

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011819\
 Data File : VX007147.D
 Acq On : 18 Jan 2019 20:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 11:00:08 AM

Quant Time: Jan 18 23:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	453110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	680414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	622335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	319770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	238260	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	5.50	113	219390	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	8.71	98	797280	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.13	95	283448	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	177512	47.706	ug/l	99
3) Chloromethane	1.33	50	197027	45.485	ug/l	100
4) Vinyl Chloride	1.41	62	220179	47.253	ug/l	97
5) Bromomethane	1.64	94	191326	38.432	ug/l	98
6) Chloroethane	1.71	64	148307	45.583	ug/l	98
7) Trichlorofluoromethane	1.93	101	367823	48.856	ug/l	98
8) Diethyl Ether	2.19	74	144269	48.166	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	217156	48.177	ug/l	98
10) Methyl Iodide	2.51	142	255207	41.974	ug/l	100
11) Tert butyl alcohol	3.08	59	283778	254.043	ug/l	100
12) 1,1-Dichloroethene	2.37	96	196970	47.298	ug/l	99
13) Acrolein	2.30	56	144995	300.338	ug/l	98
14) Allyl chloride	2.73	41	352597	49.404	ug/l	99
15) Acrylonitrile	3.15	53	666826	260.039	ug/l	100
16) Acetone	2.45	43	576117	246.096	ug/l	99
17) Carbon Disulfide	2.57	76	443113	41.329	ug/l	99
18) Methyl Acetate	2.78	43	363466	53.613	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	729055	50.439	ug/l	100
20) Methylene Chloride	2.86	84	231072	51.917	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	216373	46.624	ug/l	99
22) Diisopropyl ether	3.87	45	676003	50.382	ug/l	95
23) Vinyl Acetate	3.82	43	2762599	244.147	ug/l	100
24) 1,1-Dichloroethane	3.70	63	373182	49.740	ug/l	99
25) 2-Butanone	4.70	43	855570	255.420	ug/l	99
26) 2,2-Dichloropropane	4.59	77	246115	42.660	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	244431	47.751	ug/l	98
28) Bromochloromethane	5.02	49	175802	53.482	ug/l	94
29) Tetrahydrofuran	5.15	42	556278	255.541	ug/l	98
30) Chloroform	5.21	83	397935	50.659	ug/l	99
31) Cyclohexane	5.57	56	306625	45.918	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	330829	49.688	ug/l	98
36) 1,1-Dichloropropene	5.80	75	277805	46.961	ug/l	99
37) Ethyl Acetate	4.86	43	319522	50.381	ug/l	98
38) Carbon Tetrachloride	5.79	117	283291	47.597	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	337451	44.745	ug/l	98
40) Benzene	6.14	78	869681	48.181	ug/l	100
41) Methacrylonitrile	5.06	41	175611	48.066	ug/l	98
42) 1,2-Dichloroethane	6.20	62	302248	48.456	ug/l	99
43) Isopropyl Acetate	6.46	43	504029	50.384	ug/l	98
44) Trichloroethene	7.21	130	253016	46.777	ug/l	98
45) 1,2-Dichloropropane	7.51	63	220973	48.695	ug/l	99
46) Dibromomethane	7.66	93	159293	49.946	ug/l	99
47) Bromodichloromethane	7.90	83	281480	51.851	ug/l	96
48) Methyl methacrylate	7.77	41	260661	50.738	ug/l	98
49) 1,4-Dioxane	7.75	88	124741	1063.793	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1706697	265.467	ug/l	99
52) Toluene	8.79	92	570506	49.175	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	302493	50.251	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	333045	50.099	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	245996	52.974	ug/l	97
56) Ethyl methacrylate	9.18	69	353434	52.135	ug/l	96
57) 1,3-Dichloropropane	9.37	76	386983	50.868	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	921420	264.353	ug/l	99
59) 2-Hexanone	9.49	43	1281039	261.474	ug/l	99
60) Dibromochloromethane	9.59	129	249129	55.249	ug/l	98
61) 1,2-Dibromoethane	9.67	107	264365	51.712	ug/l	99
64) Tetrachloroethene	9.34	164	259094	48.087	ug/l	96
65) Chlorobenzene	10.14	112	664270	48.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	241472	52.883	ug/l	99
67) Ethyl Benzene	10.25	91	1097425	48.974	ug/l	99
68) m/p-Xylenes	10.36	106	862828	97.733	ug/l	99
69) o-Xylene	10.70	106	424754	49.333	ug/l	98
70) Styrene	10.71	104	678283	49.741	ug/l	99
71) Bromoform	10.86	173	181115	44.870	ug/l	100
73) Isopropylbenzene	11.02	105	1112936	49.358	ug/l	99
74) N-amyl acetate	10.90	43	452582	49.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	355475	49.659	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	333831m	51.517	ug/l	
77) Bromobenzene	11.26	156	306159	49.278	ug/l	99
78) n-propylbenzene	11.36	91	1249215	50.467	ug/l	99
79) 2-Chlorotoluene	11.42	91	728054	48.861	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	919748	48.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	92389	43.555	ug/l	99
82) 4-Chlorotoluene	11.51	91	849370	49.232	ug/l	100
83) tert-Butylbenzene	11.77	119	939084	49.957	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	945989	49.931	ug/l	100
85) sec-Butylbenzene	11.94	105	1123321	50.037	ug/l	100
86) p-Isopropyltoluene	12.06	119	1003860	49.991	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	542563	48.315	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	541458	50.887	ug/l	99
89) n-Butylbenzene	12.39	91	856305	50.023	ug/l	99
90) Hexachloroethane	12.60	117	150886	47.238	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	535995	48.366	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	74235	52.436	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	374483	49.254	ug/l	100
94) Hexachlorobutadiene	13.78	225	175766	52.094	ug/l	98
95) Naphthalene	13.83	128	1175030	51.002	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	372019	49.256	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

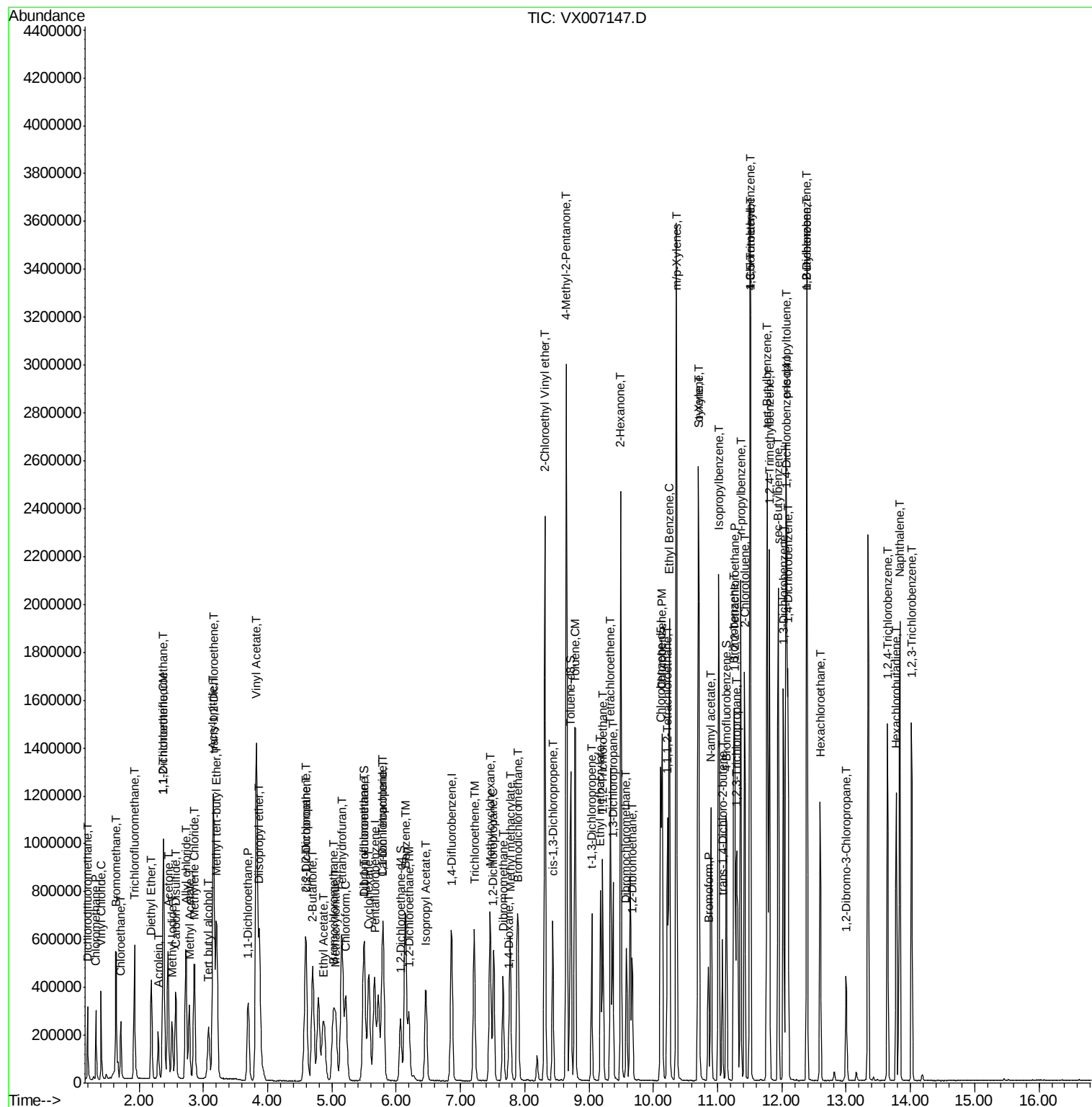
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 Data File : VX007147.D
 Acq On : 18 Jan 2019 20:41
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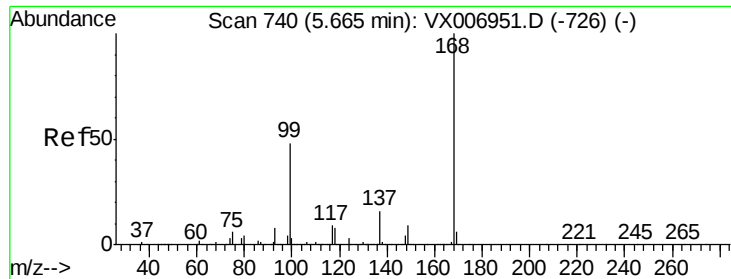
Instrument :
 MSVOA_X
 ClientSampleID :
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#1

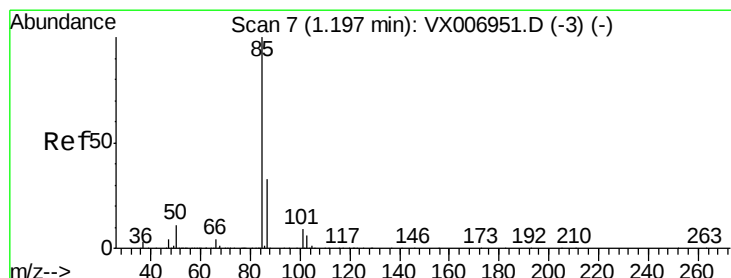
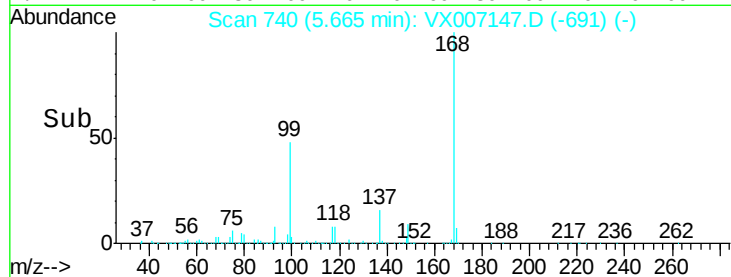
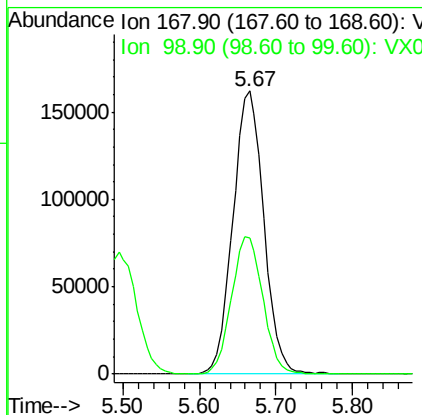
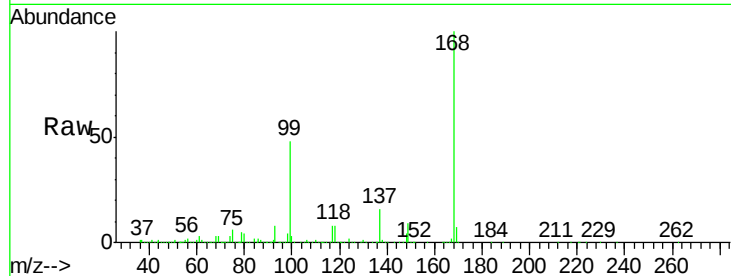
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.0	41.8	62.8

Manual Integrations
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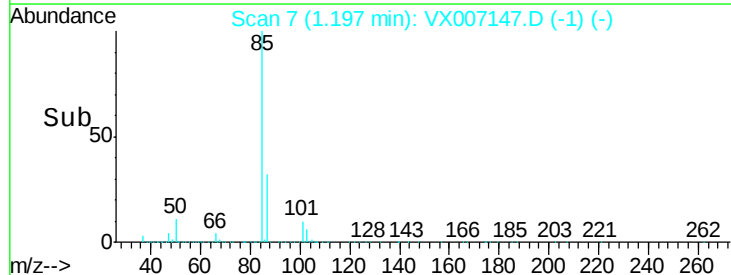
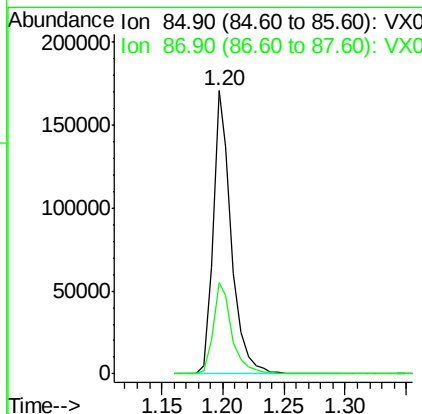
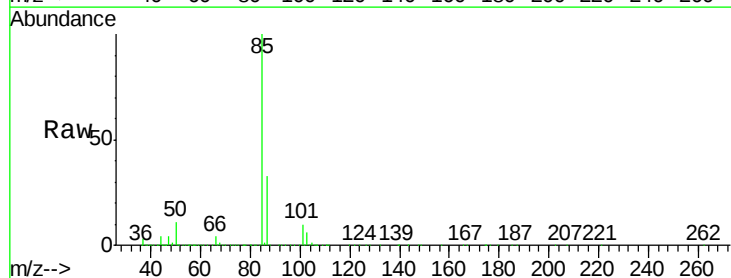
MMDadoda
 1/21/2019 11:00:08 AM

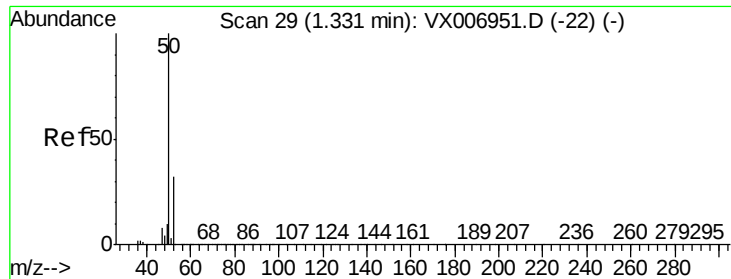


#2

Dichlorodifluoromethane
 Concen: 47.706 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.6





#3

Chloromethane

Concen: 45.485 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 197027

Ion Ratio Lower Upper

50 100

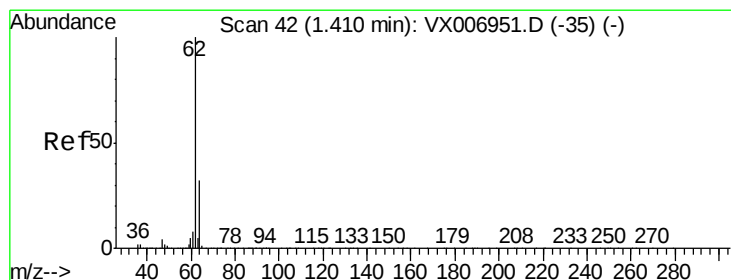
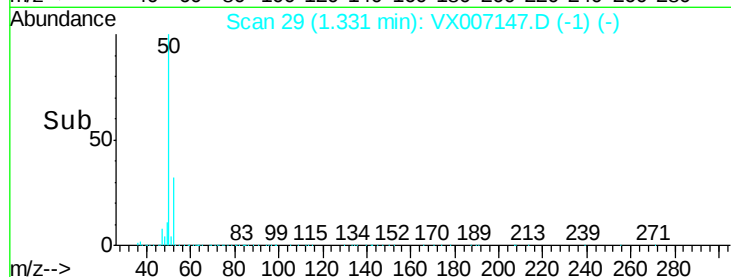
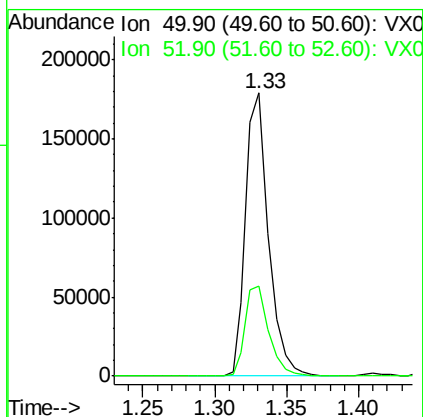
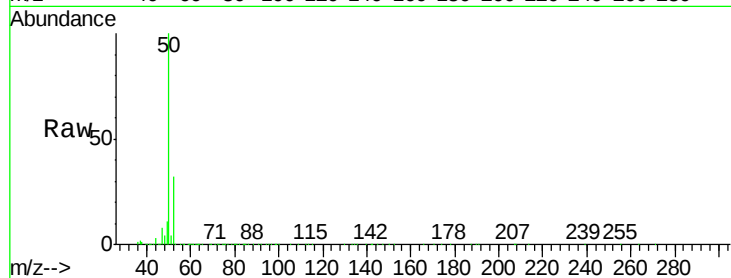
52 31.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.253 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007147.D

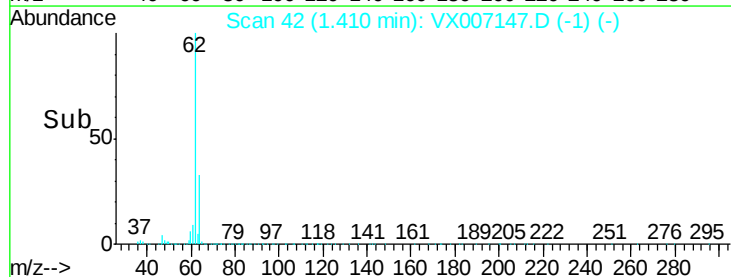
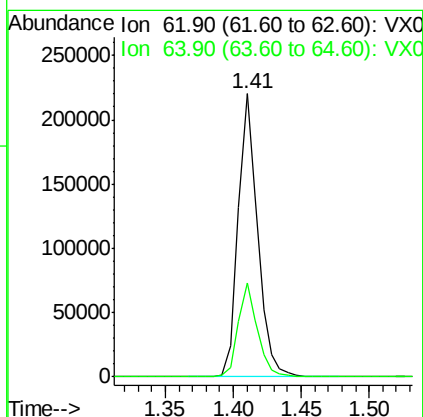
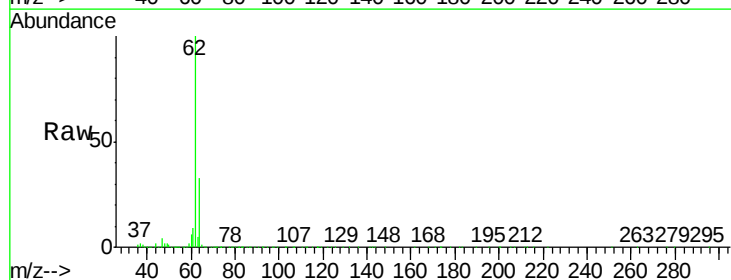
Acq: 18 Jan 2019 20:41

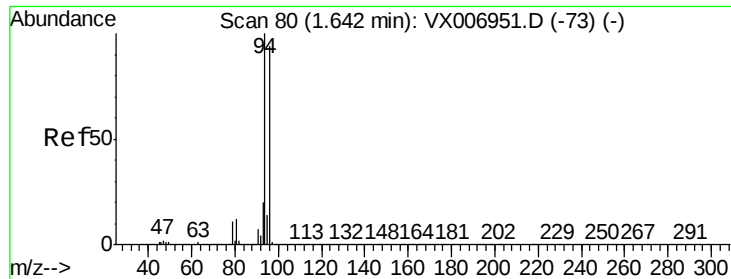
Tgt Ion: 62 Resp: 220179

Ion Ratio Lower Upper

62 100

64 33.1 25.1 37.7





#5

Bromomethane

Concen: 38.432 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 191326

Ion Ratio Lower Upper

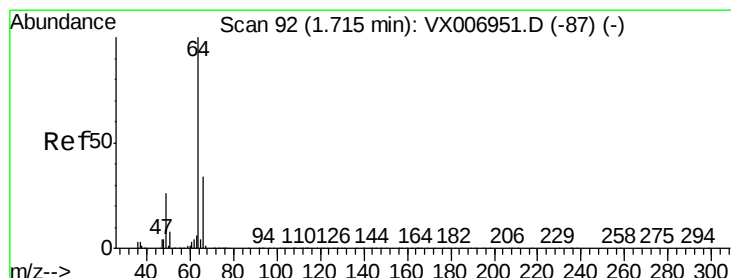
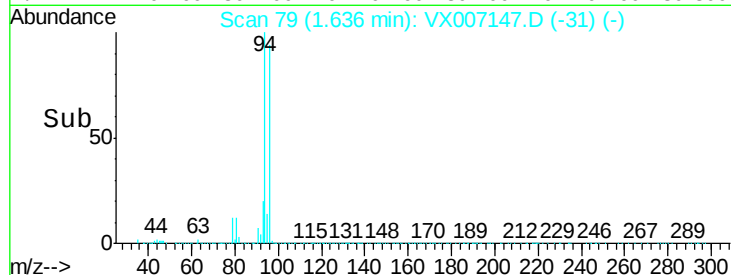
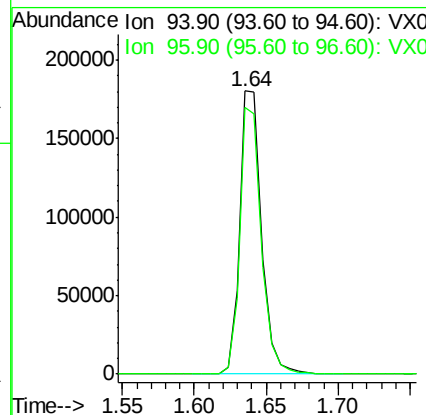
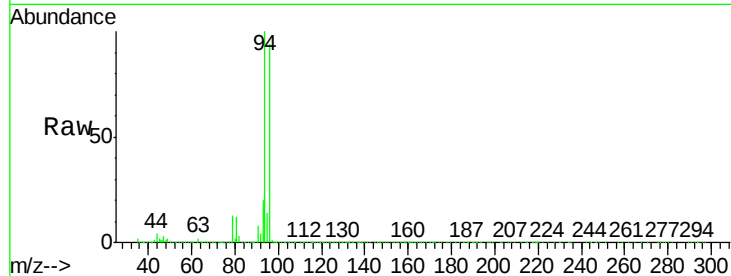
94 100

96 94.0 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 45.583 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007147.D

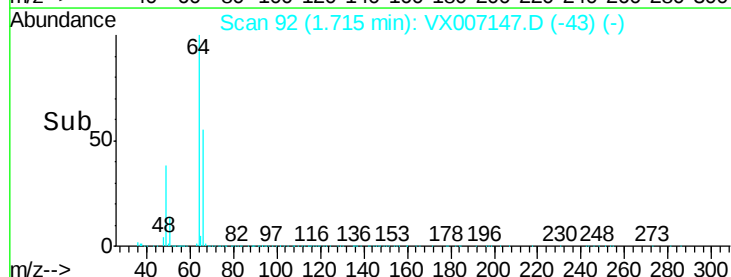
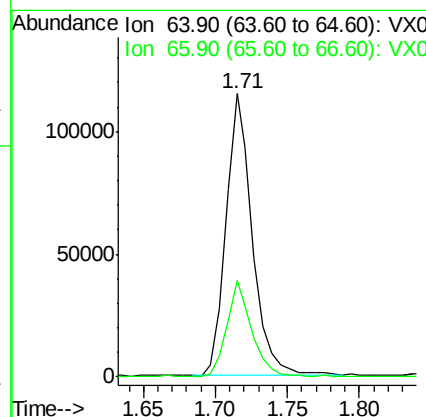
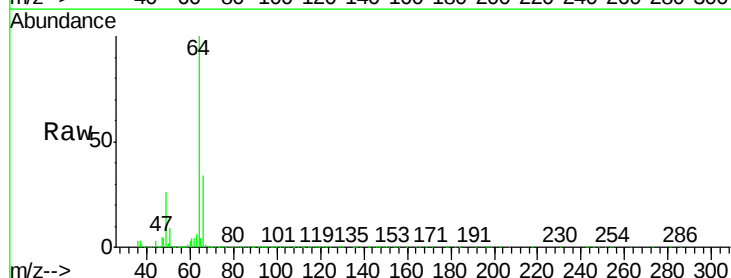
Acq: 18 Jan 2019 20:41

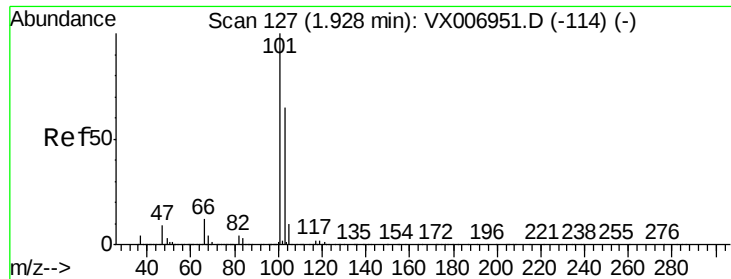
Tgt Ion: 64 Resp: 148307

Ion Ratio Lower Upper

64 100

66 34.2 26.4 39.6





#7

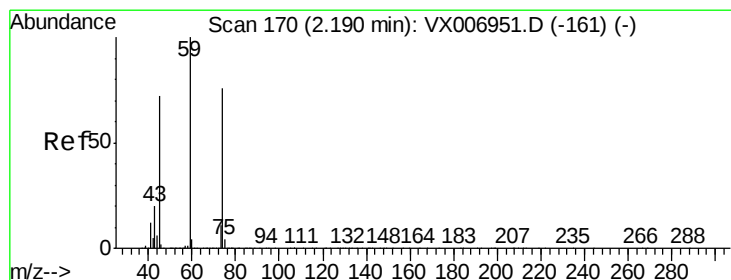
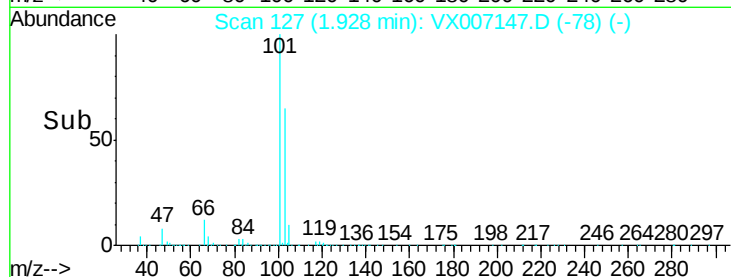
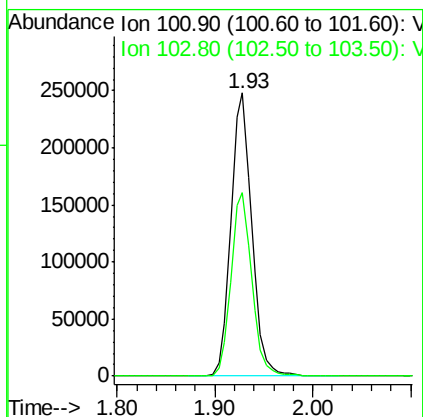
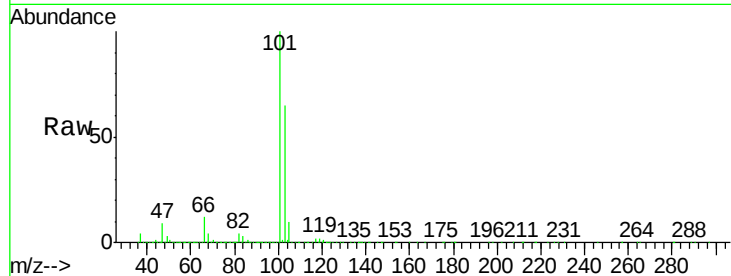
Trichlorofluoromethane
Concen: 48.856 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.2	79.8

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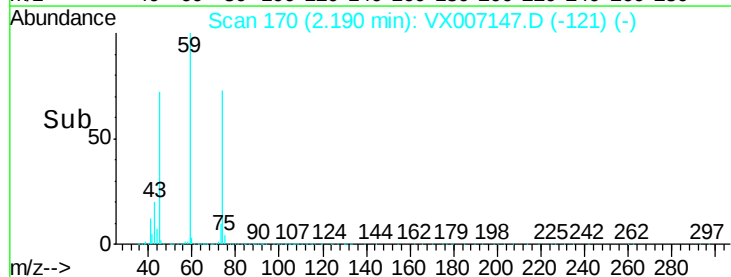
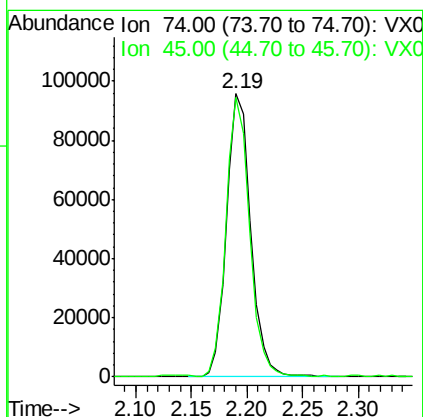
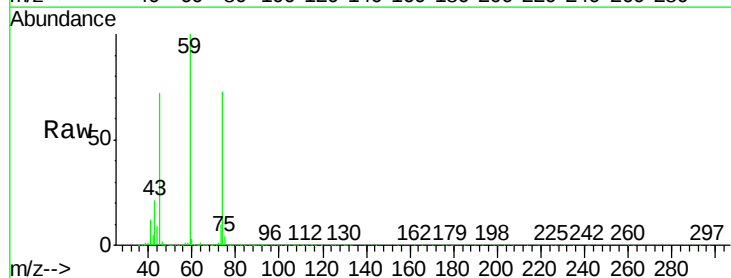
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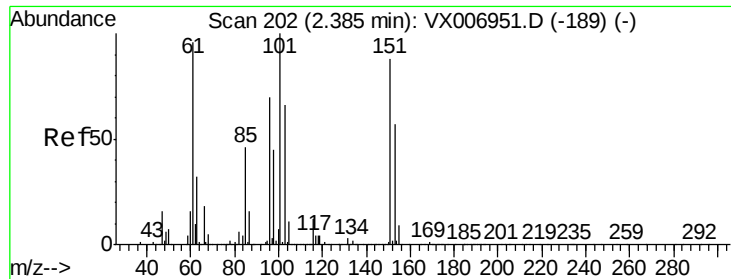


#8

Diethyl Ether
Concen: 48.166 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.177 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

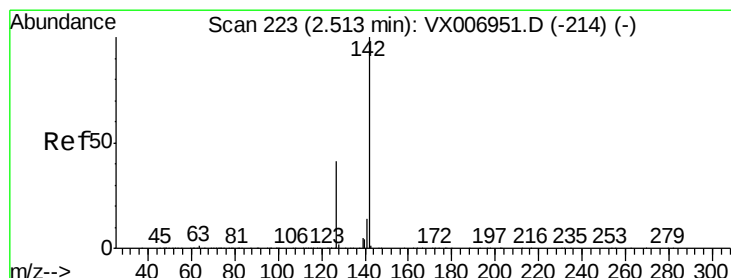
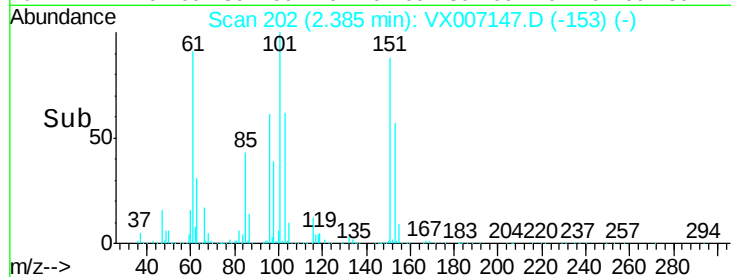
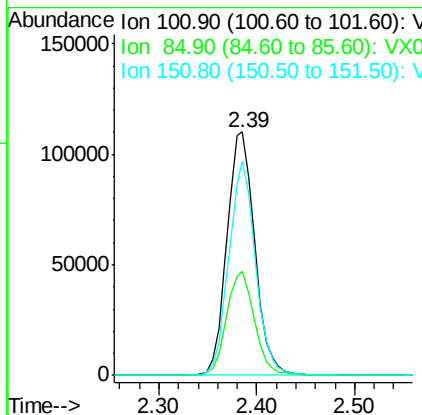
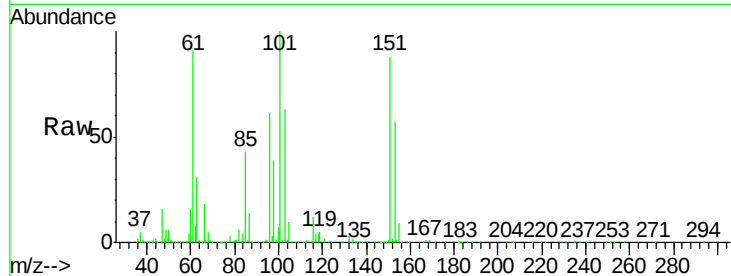
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	217156
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.1	52.7
151	84.4	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 41.974 ug/l

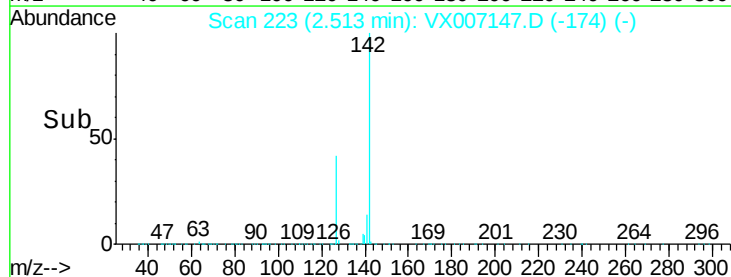
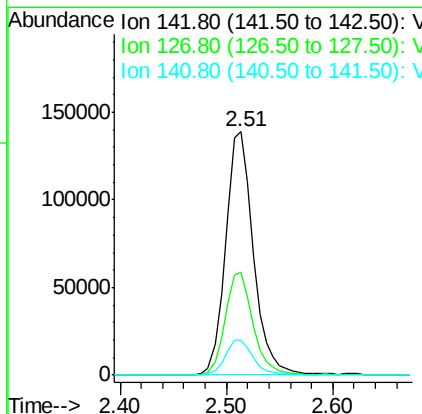
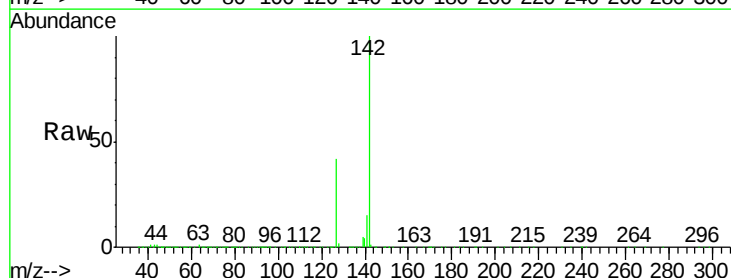
RT: 2.51 min Scan# 223

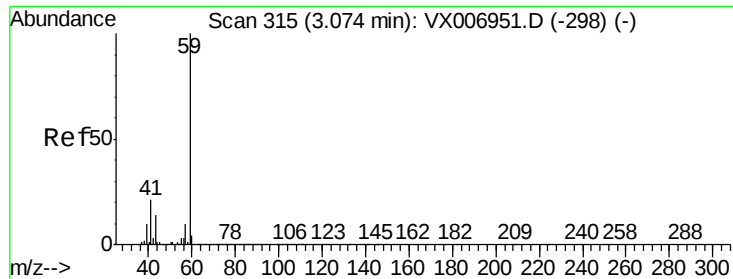
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion:	142	Resp:	255207
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.5	11.4	17.0





#11

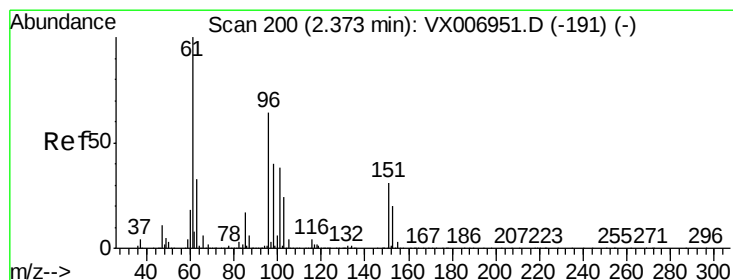
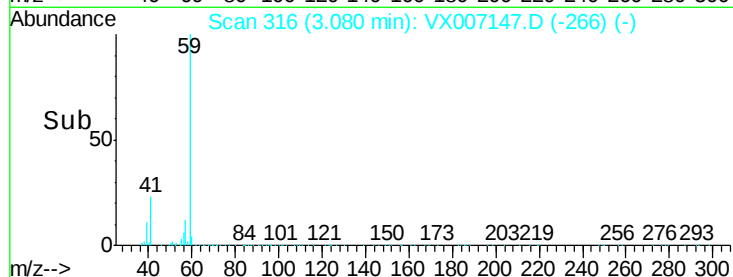
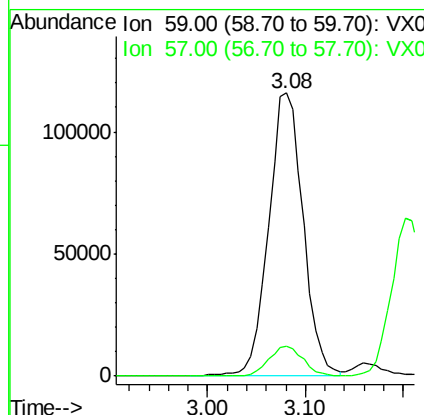
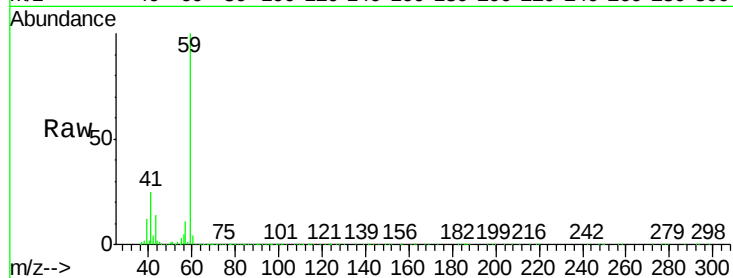
Tert butyl alcohol
Concen: 254.043 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
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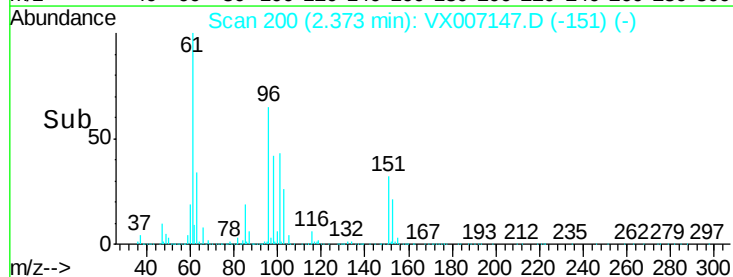
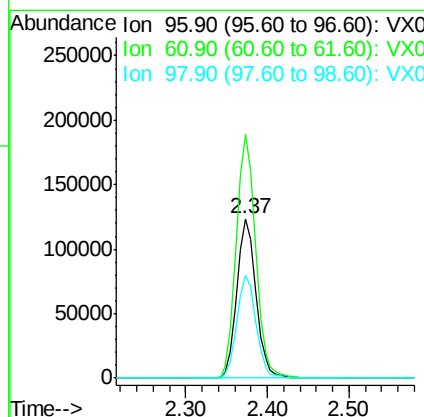
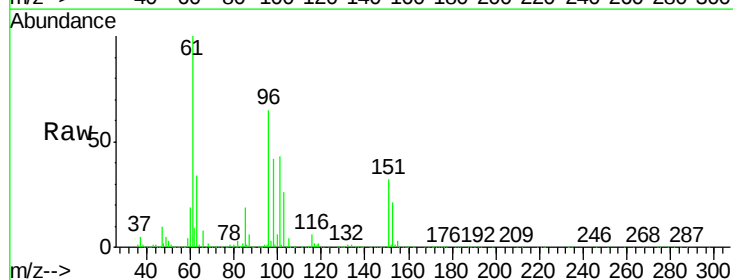
MMDadoda
1/21/2019 11:00:08 AM

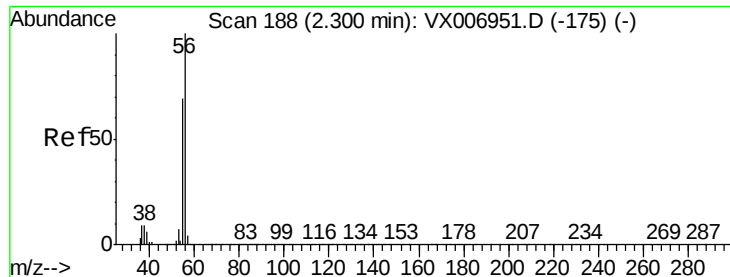


#12

1,1-Dichloroethene
Concen: 47.298 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	121.4	182.2
98	64.6	51.9	77.9





#13

Acrolein

Concen: 300.338 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 144995

Ion Ratio Lower Upper

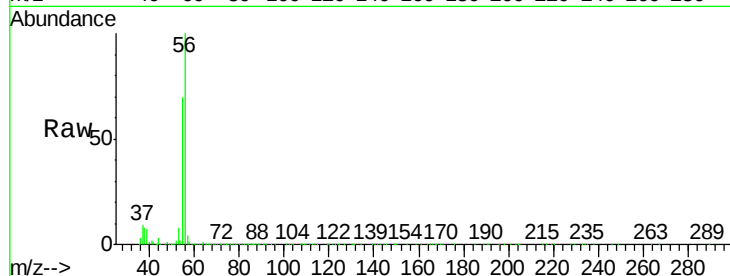
56 100

55 70.9 58.2 87.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

100000

80000

60000

40000

20000

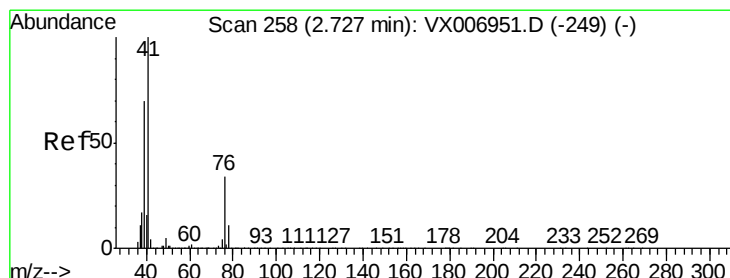
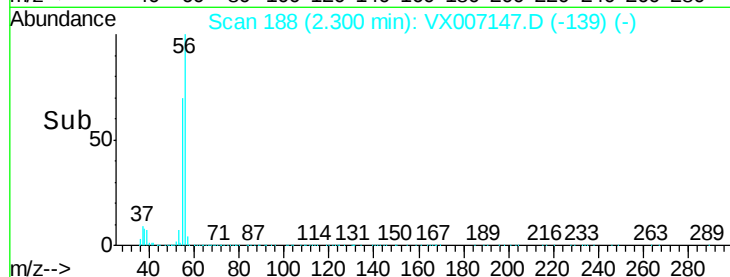
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 49.404 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

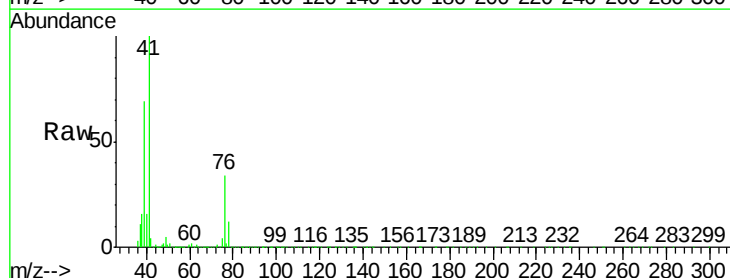
Tgt Ion: 41 Resp: 352597

Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

76 32.3 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

250000

200000

150000

100000

50000

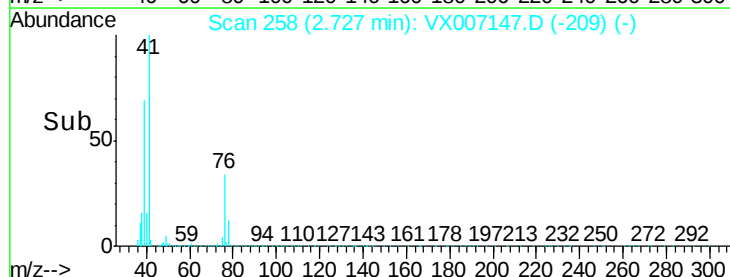
0

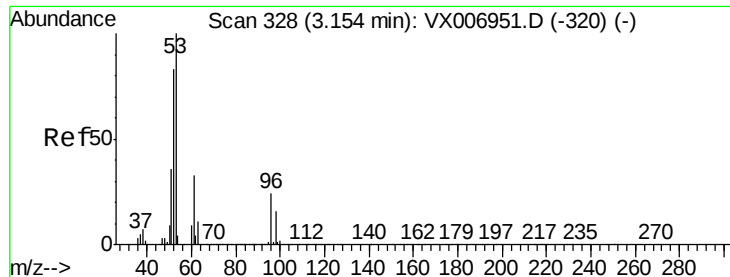
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 260.039 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

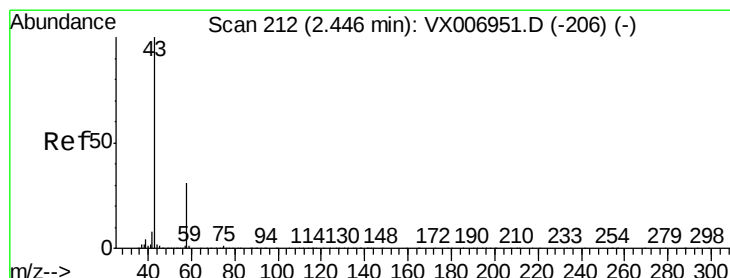
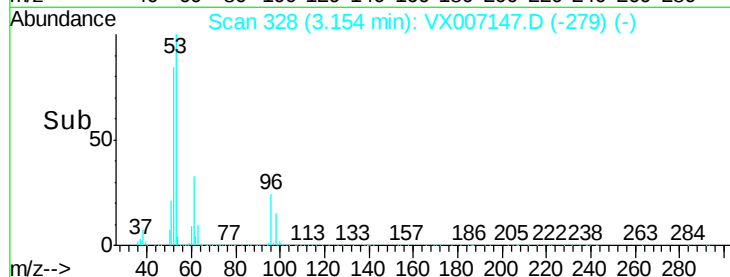
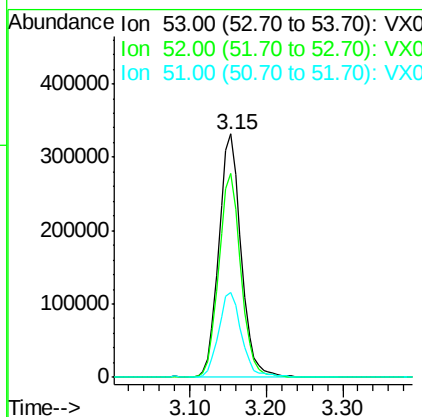
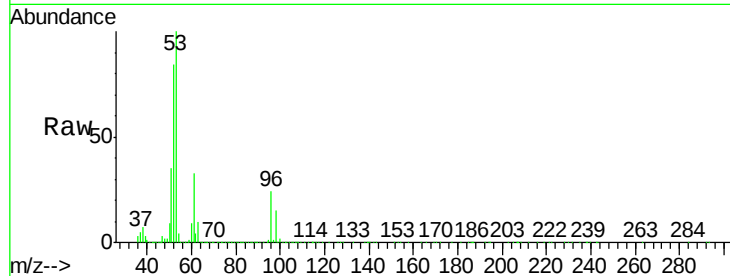
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	666826
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.0	99.0
51	36.2	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 246.096 ug/l

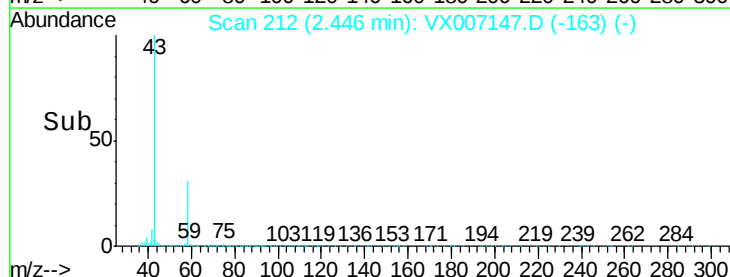
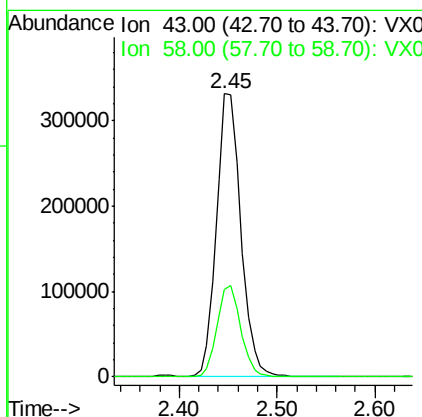
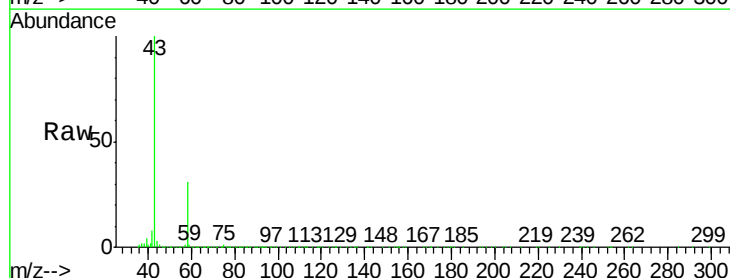
RT: 2.45 min Scan# 212

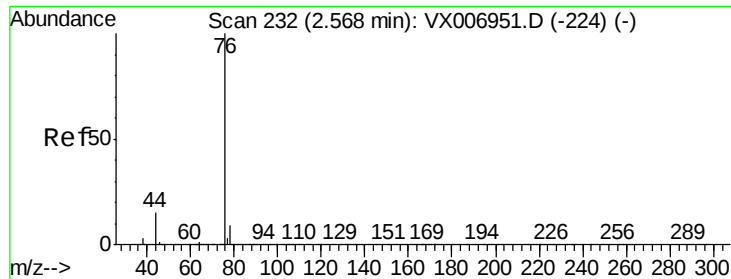
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion:	43	Resp:	576117
Ion Ratio		Lower	Upper
43	100		
58	30.8	25.0	37.6





#17

Carbon Disulfide

Concen: 41.329 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 443113

Ion Ratio Lower Upper

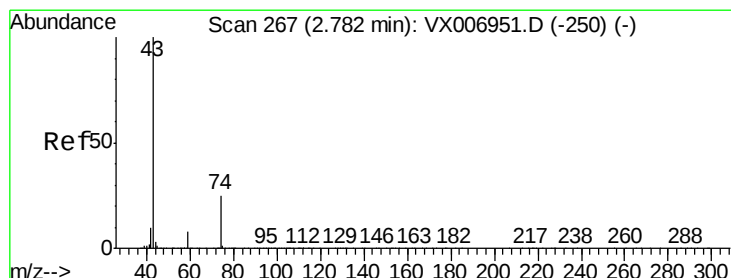
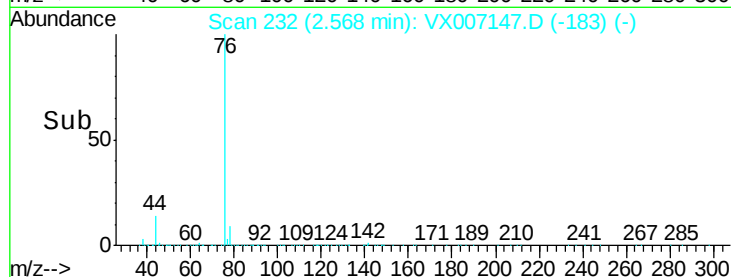
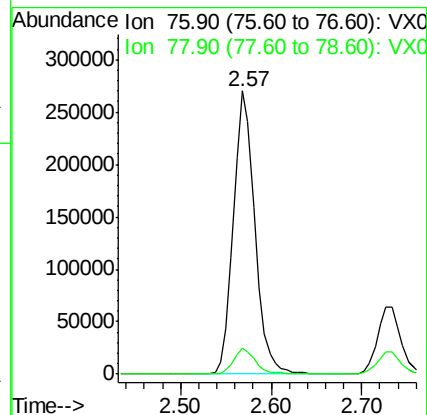
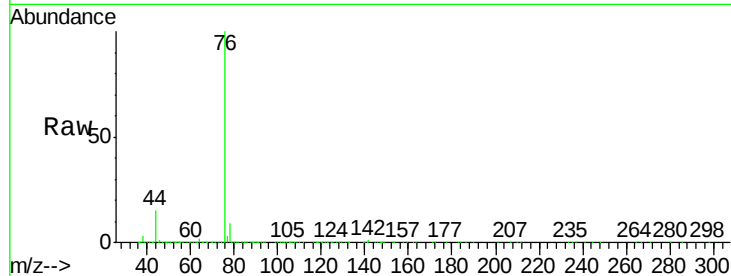
76 100

78 9.0 7.0 10.6

Manual Integrations
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#18

Methyl Acetate

Concen: 53.613 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007147.D

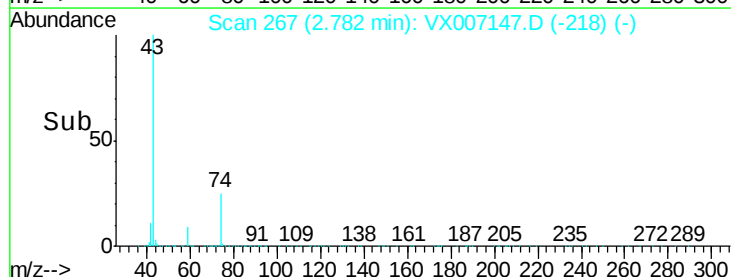
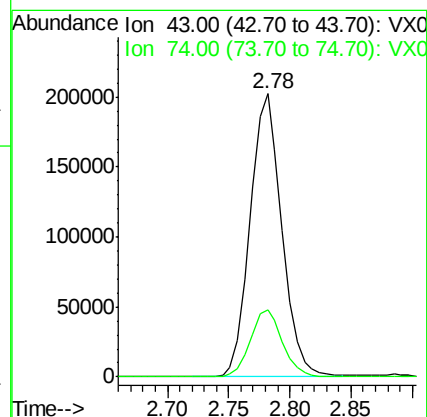
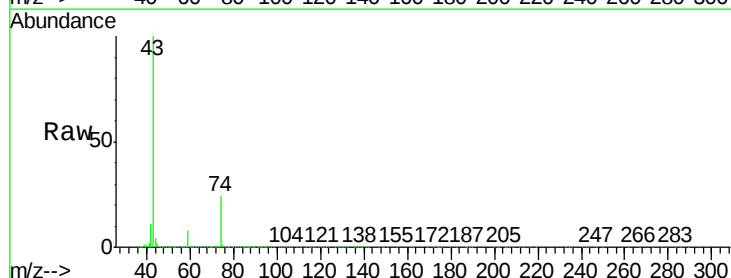
Acq: 18 Jan 2019 20:41

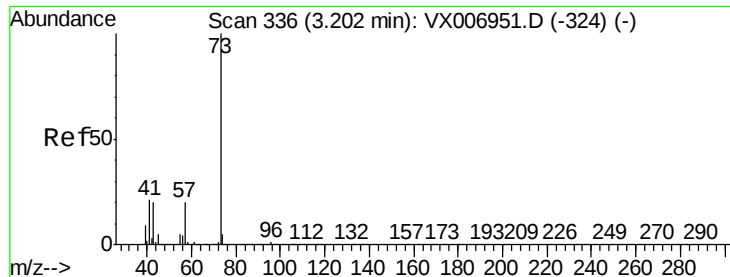
Tgt Ion: 43 Resp: 363466

Ion Ratio Lower Upper

43 100

74 24.4 18.6 28.0





#19

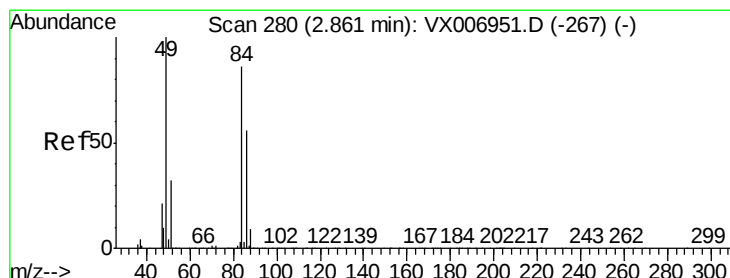
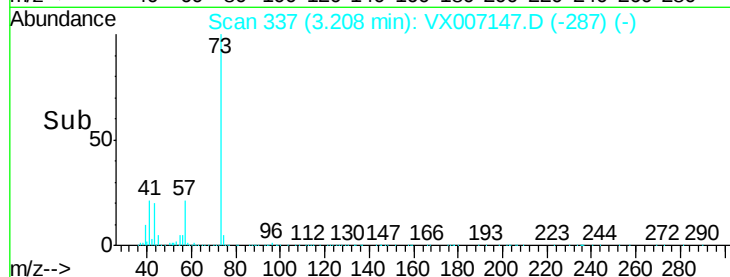
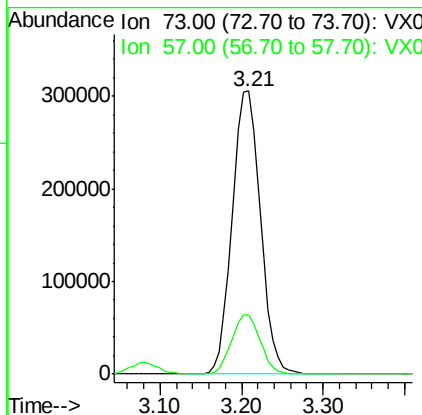
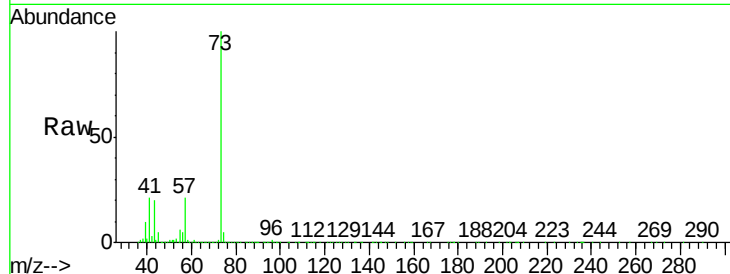
Methyl tert-butyl Ether
 Concen: 50.439 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.8	25.2

Manual Integrations
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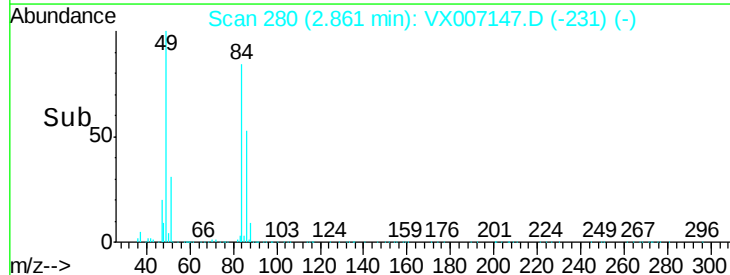
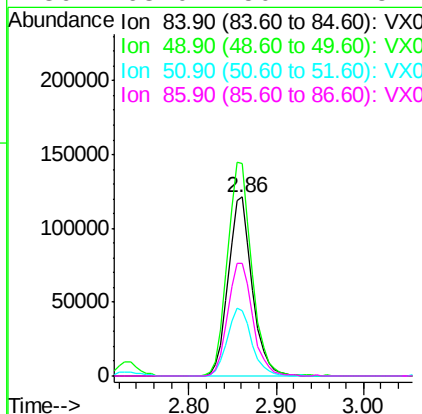
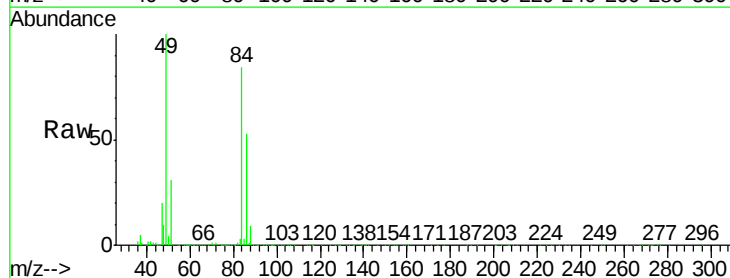
MMDadoda
 1/21/2019 11:00:08 AM

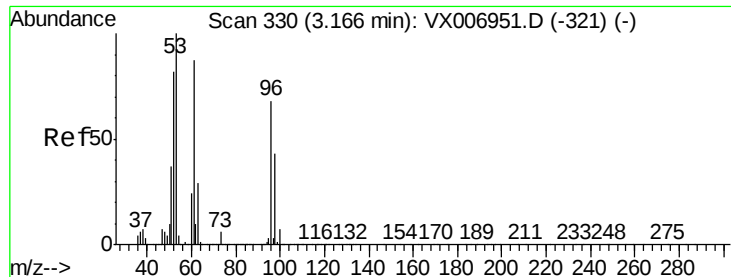


#20

Methylene Chloride
 Concen: 51.917 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.8	91.8	137.6
51	36.5	28.5	42.7
86	63.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 46.624 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

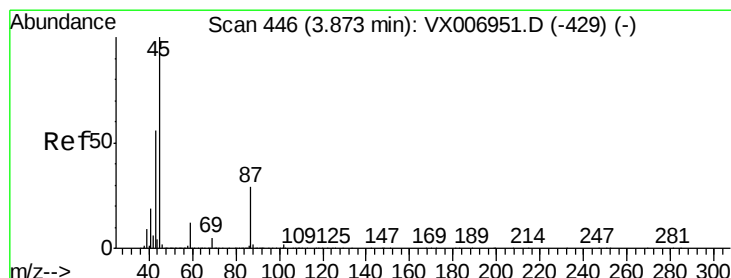
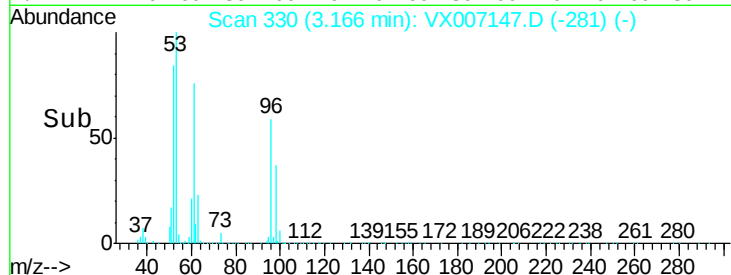
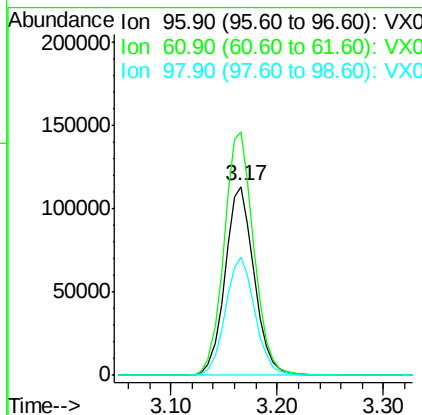
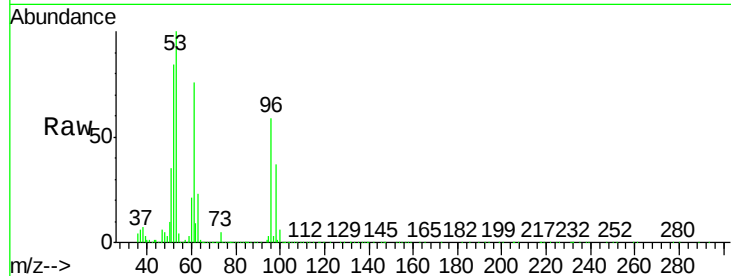
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	216373
Ion	Ratio	Lower	Upper
96	100		
61	128.8	103.7	155.5
98	62.8	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.382 ug/l

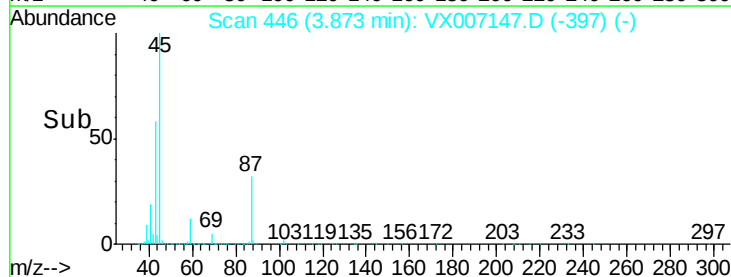
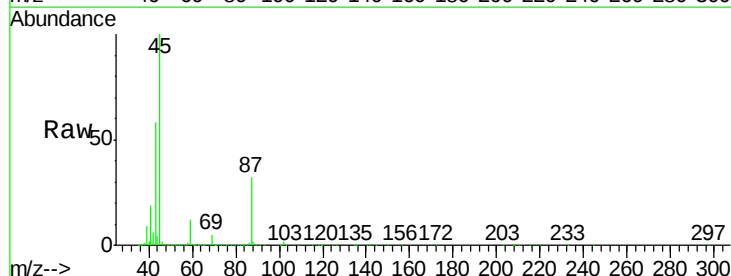
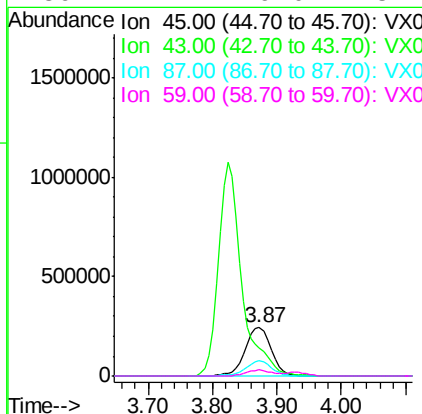
RT: 3.87 min Scan# 446

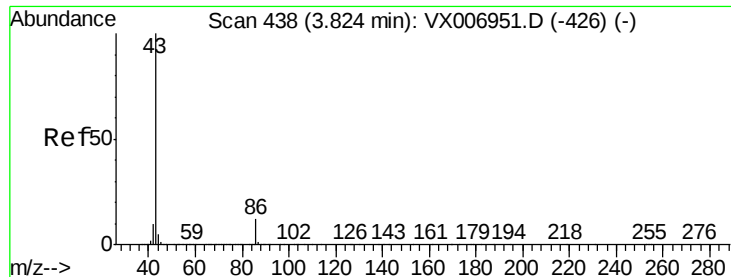
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion:	45	Resp:	676003
Ion	Ratio	Lower	Upper
45	100		
43	58.4	51.2	76.8
87	32.1	25.8	38.6
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 244.147 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2762599

Ion Ratio Lower Upper

43 100

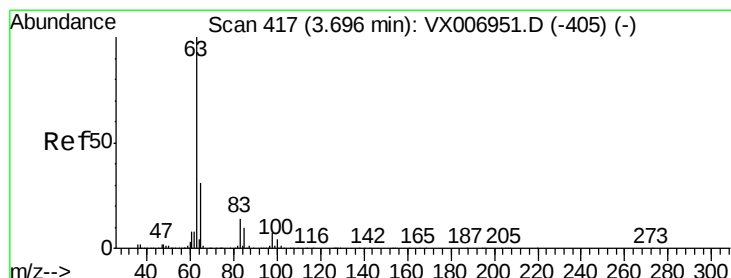
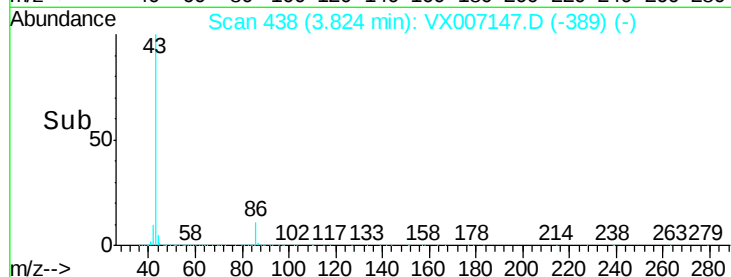
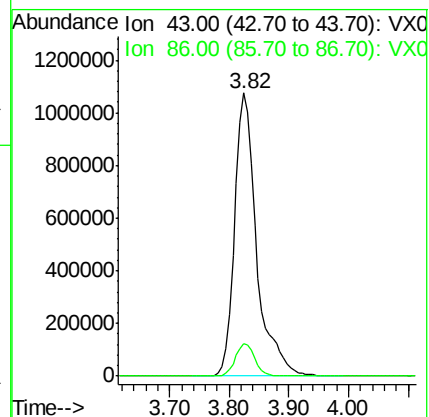
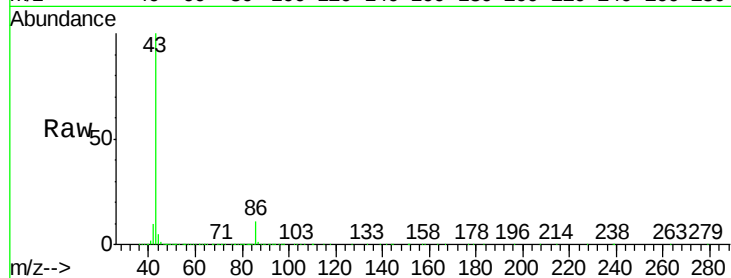
86 11.5 9.2 13.8

Manual Integrations

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1/21/2019 11:00:08 AM



#24

1,1-Dichloroethane

Concen: 49.740 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

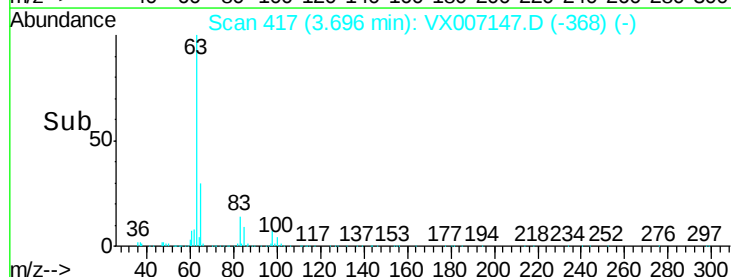
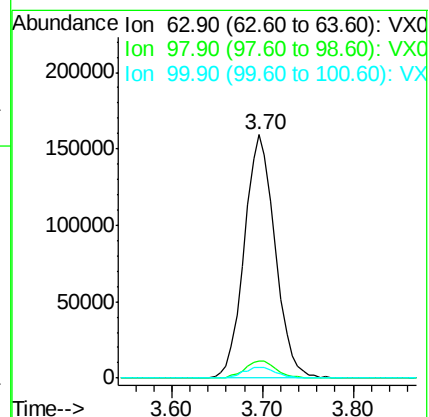
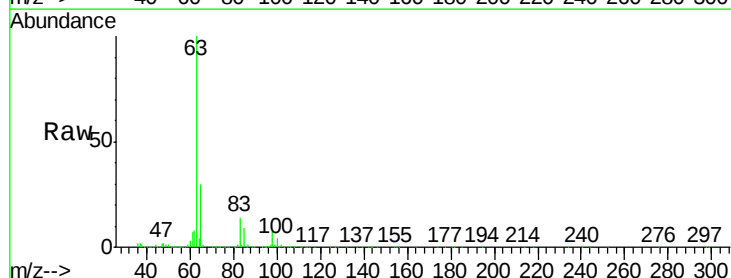
Tgt Ion: 63 Resp: 373182

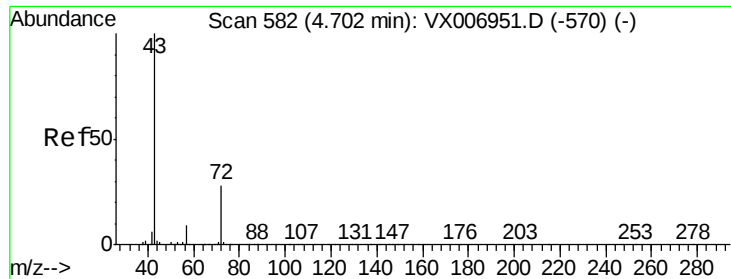
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 255.420 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tot Ion: 43 Resp: 855570

Ion Ratio Lower Upper

43 100

72 28.6 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

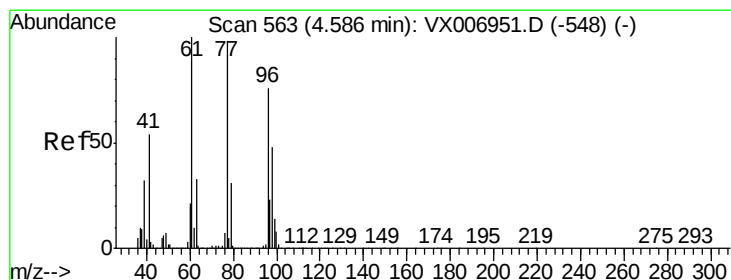
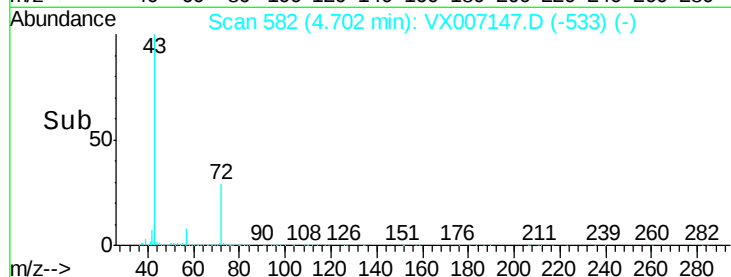
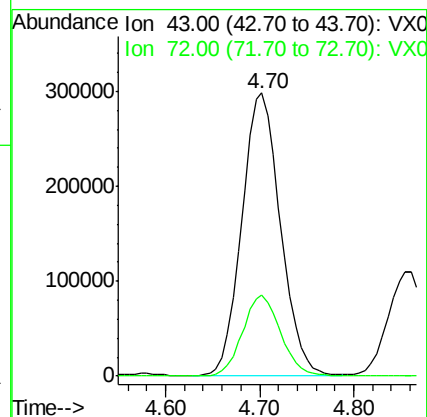
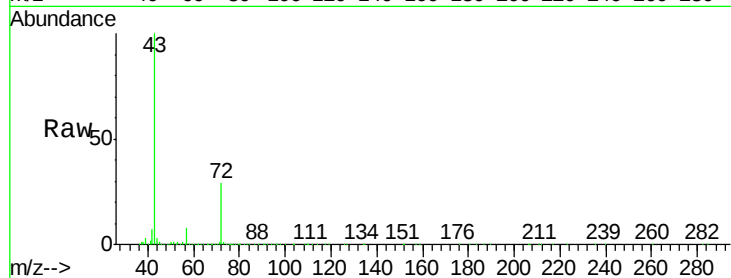
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 42.660 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007147.D

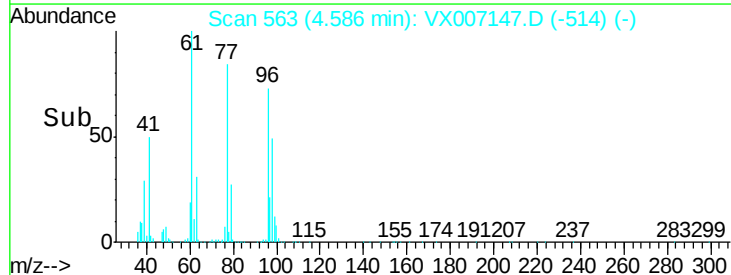
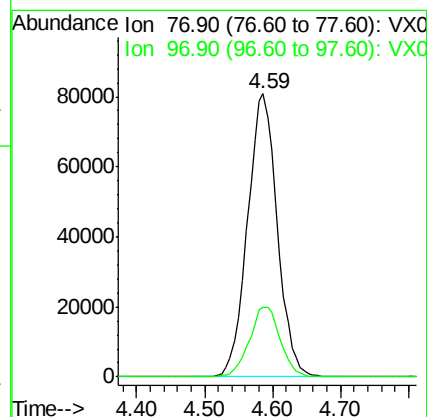
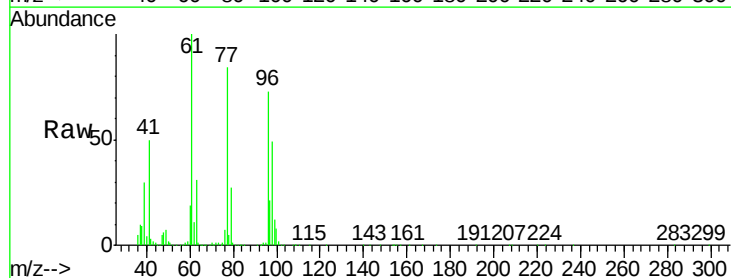
Acq: 18 Jan 2019 20:41

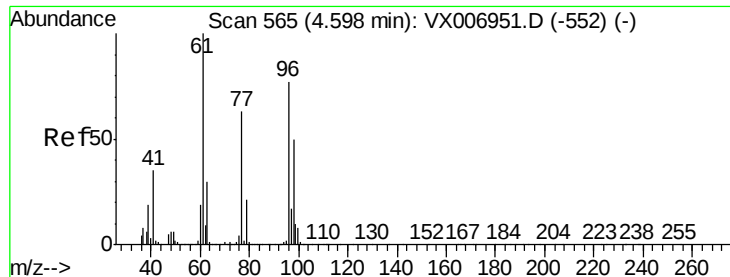
Tgt Ion: 77 Resp: 246115

Ion Ratio Lower Upper

77 100

97 25.6 12.4 37.4





#27

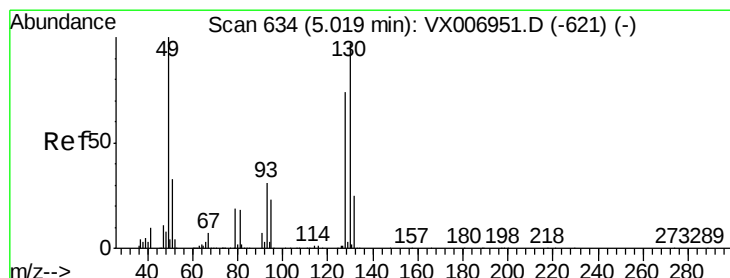
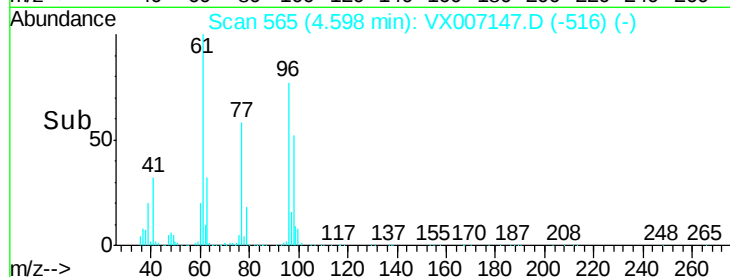
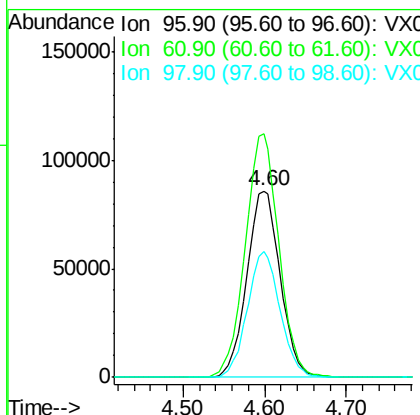
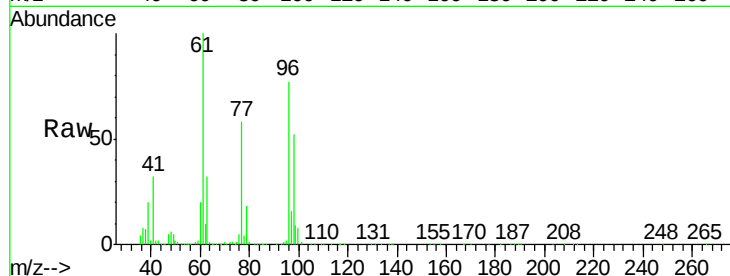
cis-1,2-Dichloroethene
 Concen: 47.751 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	258.6
98	66.3	0.0	132.0

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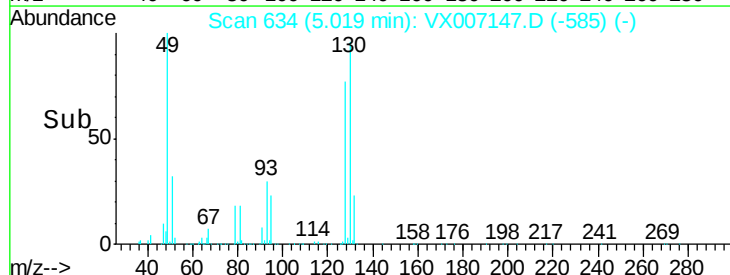
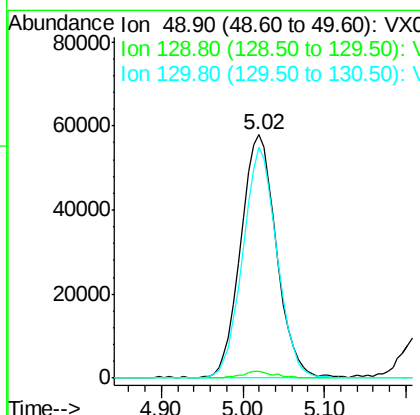
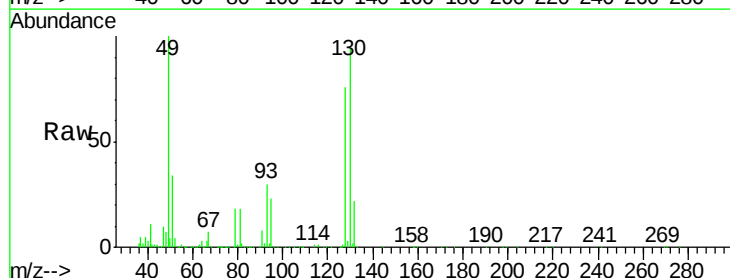
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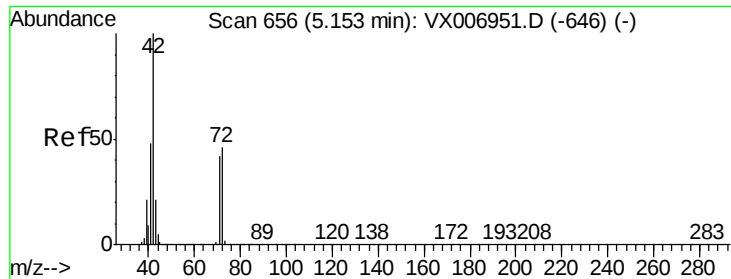


#28

Bromochloromethane
 Concen: 53.482 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	91.3	77.7	116.5





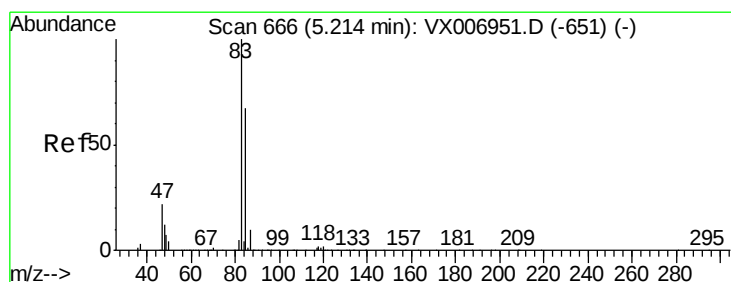
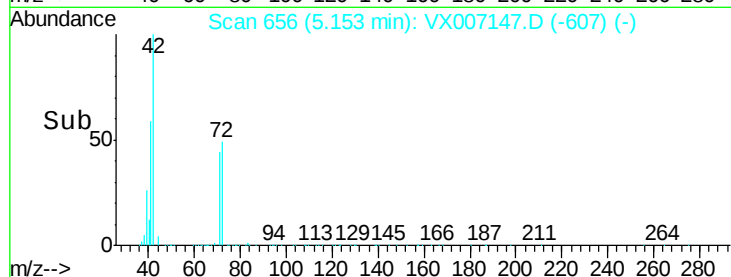
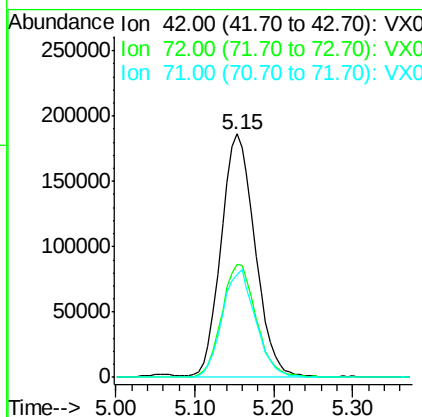
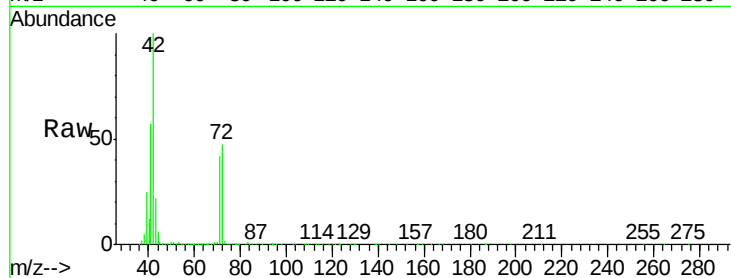
#29
Tetrahydrofuran
Concen: 255.541 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.9	58.3
71	43.8	36.2	54.4

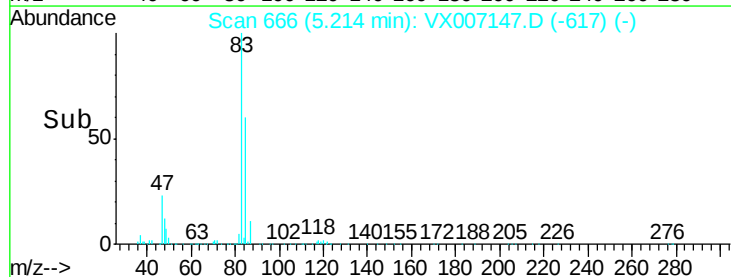
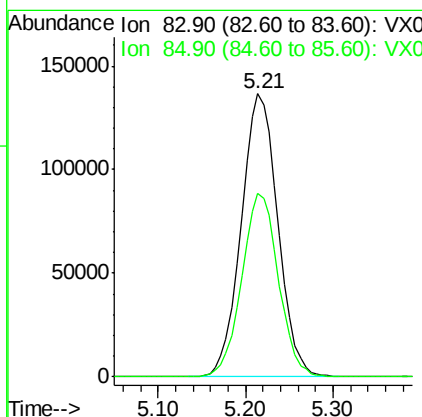
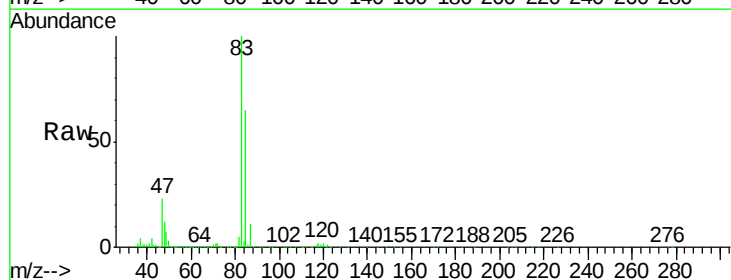
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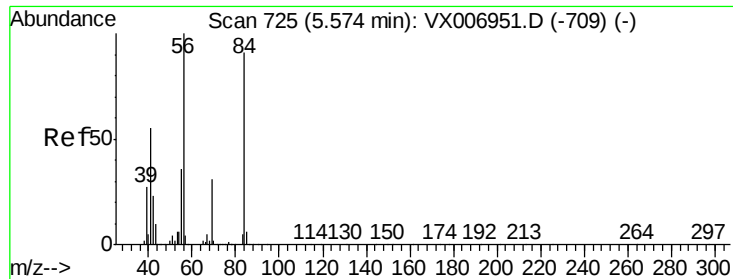
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#30
Chloroform
Concen: 50.659 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.2	76.8





#31

Cyclohexane

Concen: 45.918 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

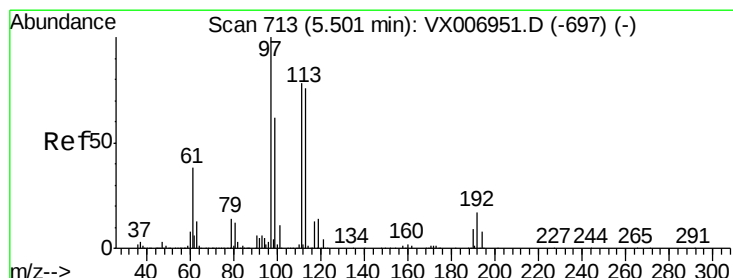
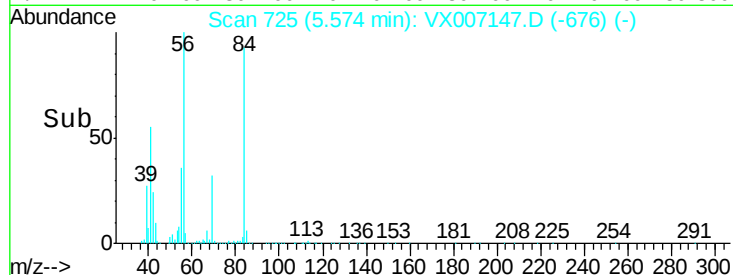
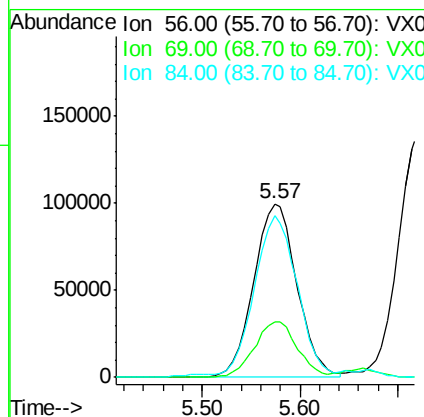
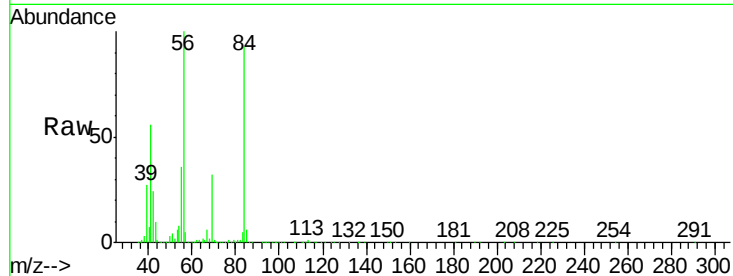
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.4	36.6
84	91.5	70.0	105.0

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#32

1,1,1-Trichloroethane

Concen: 49.688 ug/l

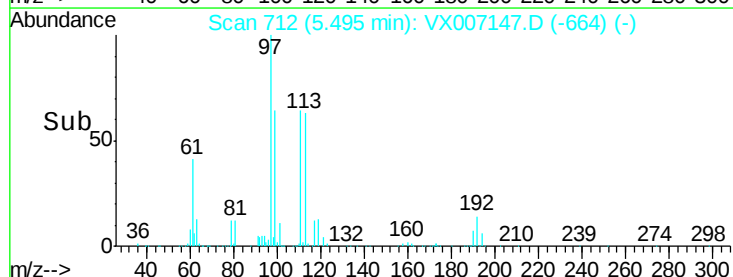
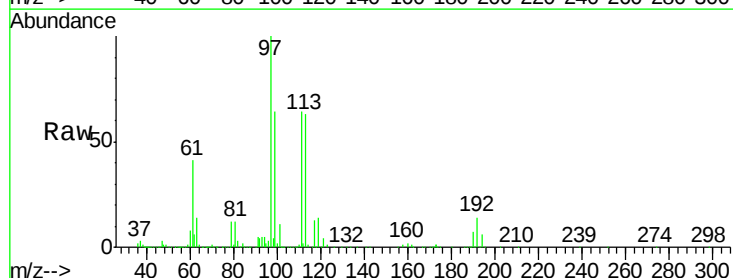
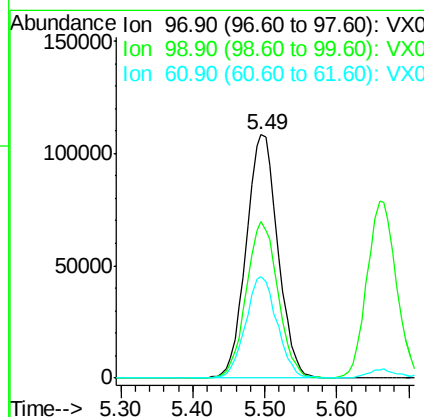
RT: 5.49 min Scan# 712

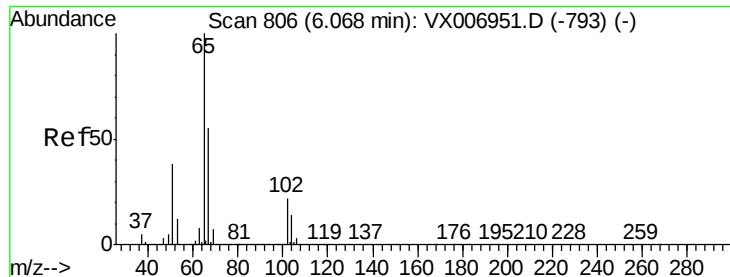
Delta R.T. -0.01 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	41.6	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.315 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tot Ion: 65 Resp: 238260

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.0

Instrument :

MSVOA_X

ClientSampled :

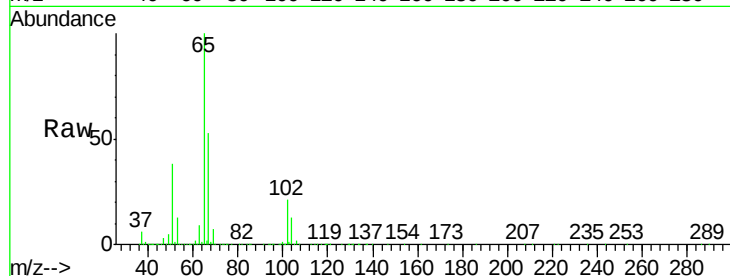
VSTDCCC050EC

Manual Integrations

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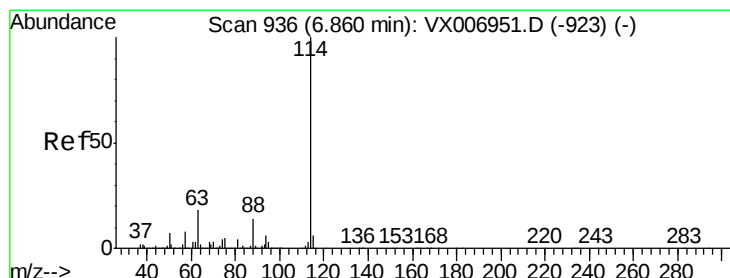
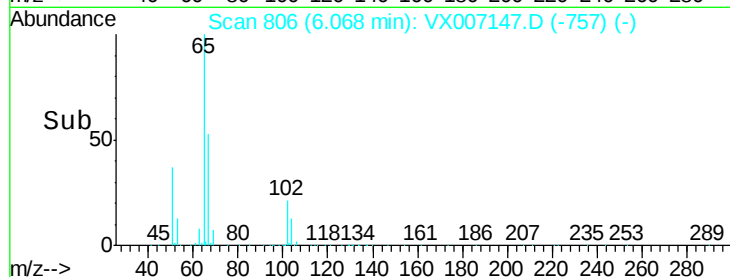
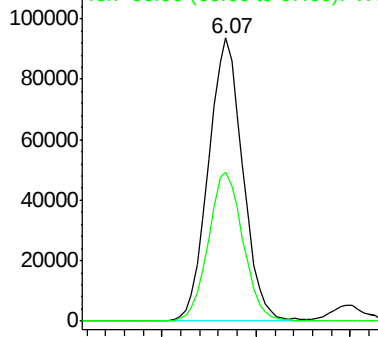
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

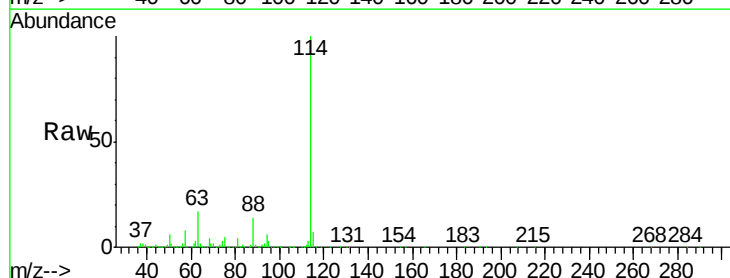
Tgt Ion: 114 Resp: 680414

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.8

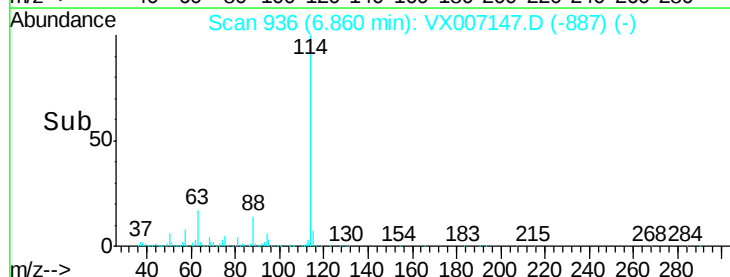
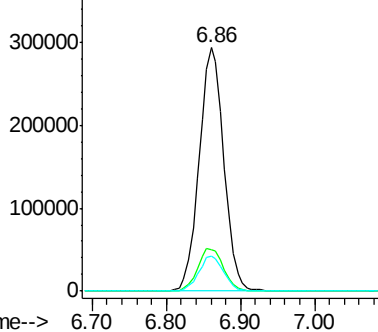
88 14.3 0.0 28.8

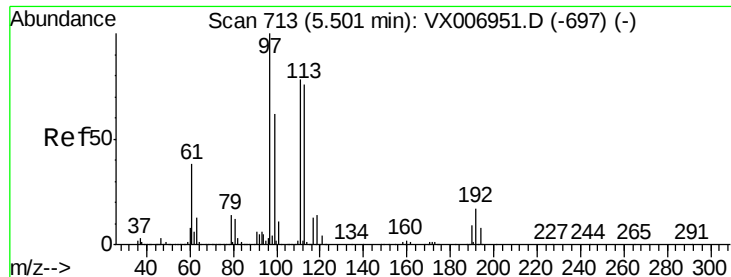


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.350 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

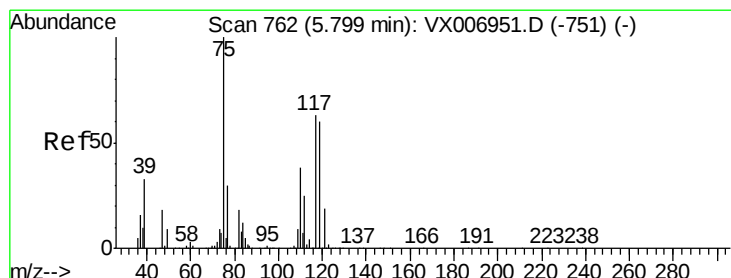
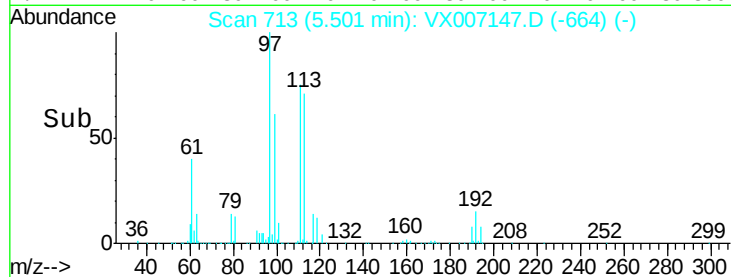
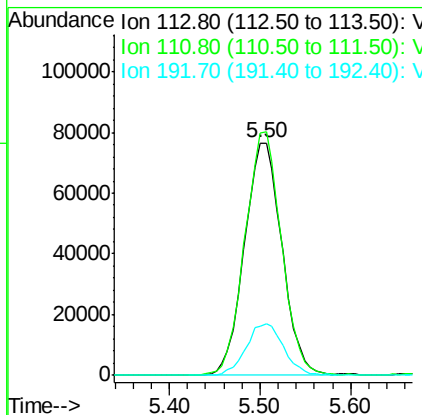
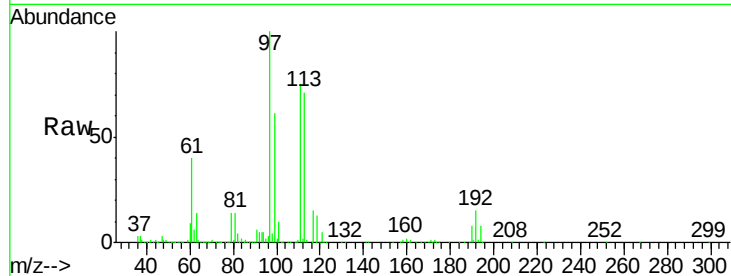
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	219390
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	22.2	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 46.961 ug/l

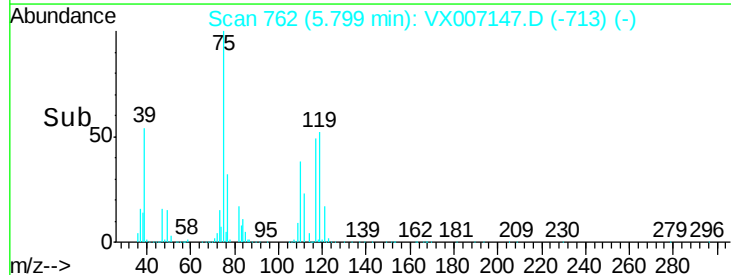
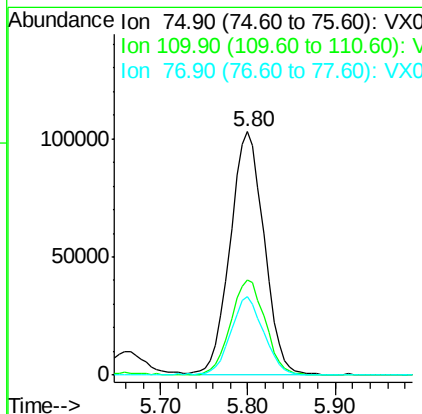
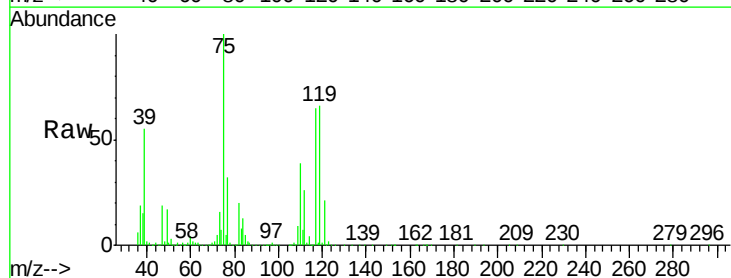
RT: 5.80 min Scan# 762

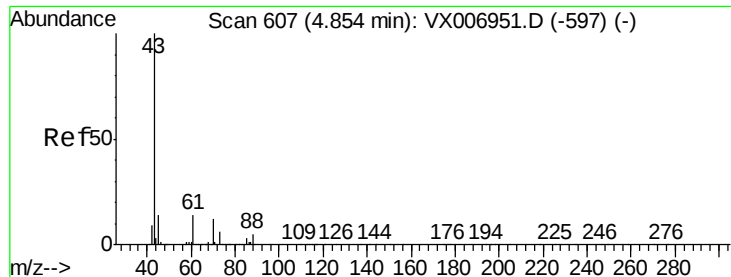
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion:	75	Resp:	277805
Ion Ratio	Lower	Upper	
75	100		
110	39.5	20.2	60.5
77	31.1	24.8	37.2





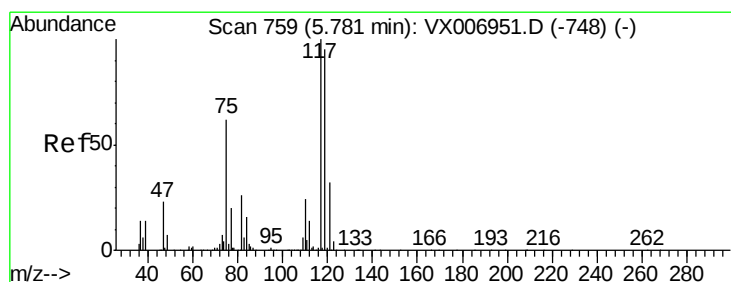
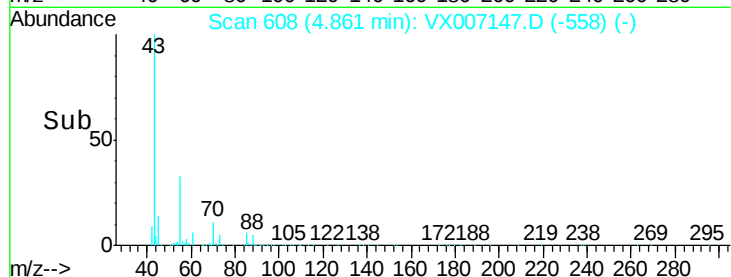
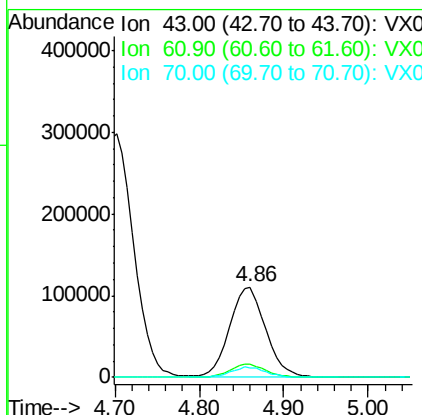
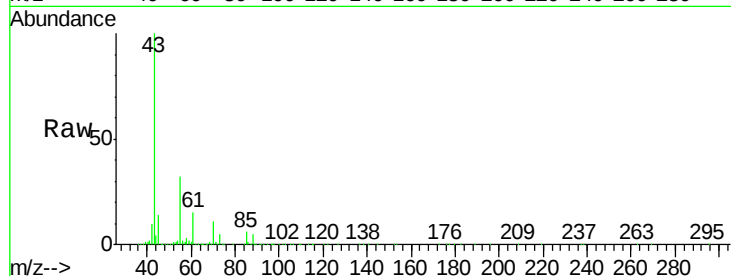
#37
Ethyl Acetate
Concen: 50.381 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	319522
Ion Ratio	Lower	Upper	
43	100		
61	14.1	11.9	17.9
70	11.3	9.7	14.5

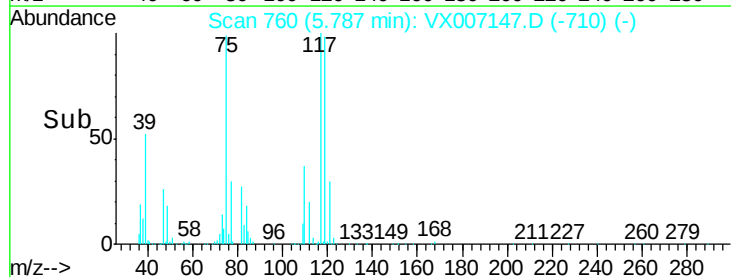
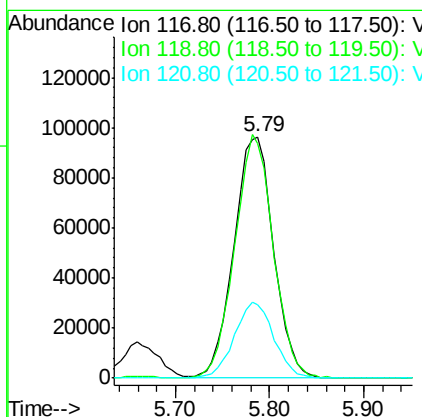
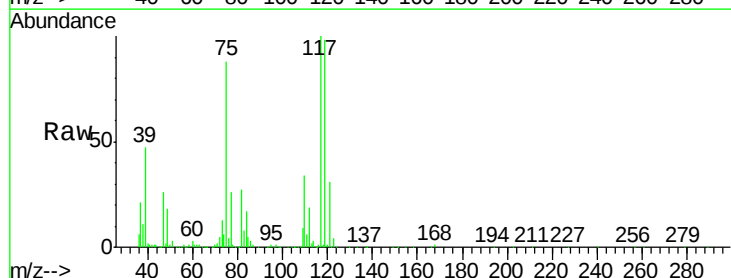
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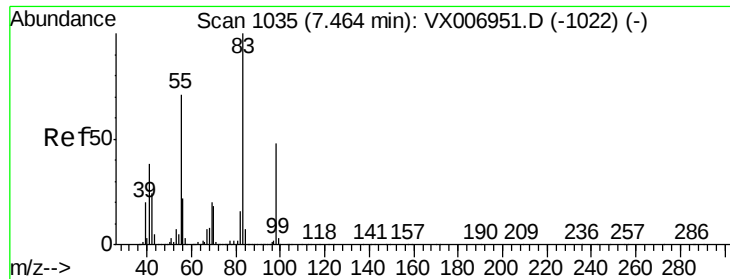
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#38
Carbon Tetrachloride
Concen: 47.597 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	117	Resp	283291
Ion Ratio	Lower	Upper	
117	100		
119	97.6	79.4	119.2
121	30.6	24.0	36.0





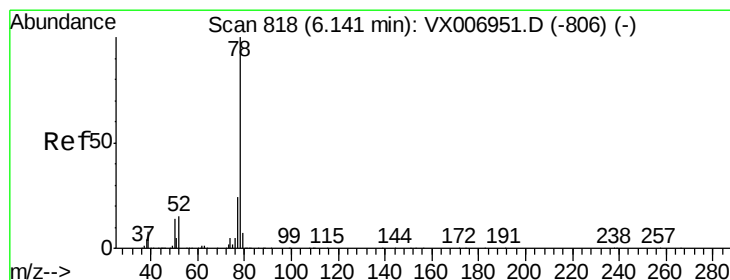
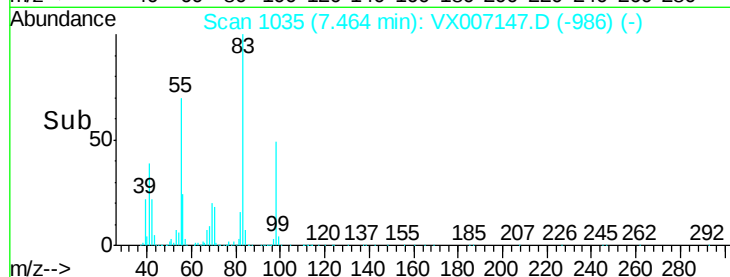
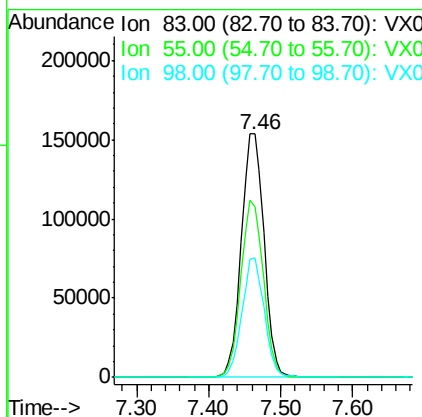
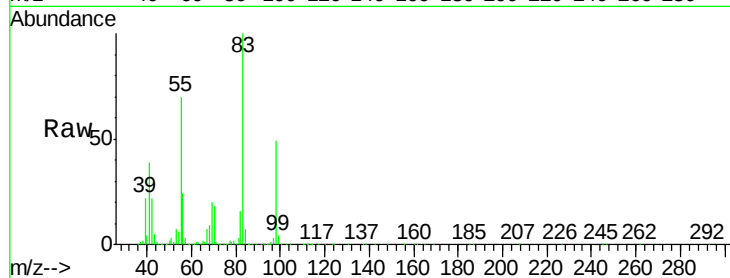
#39
Methvlcvclohexane
Concen: 44.745 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	54.9	82.3
98	49.1	37.9	56.9

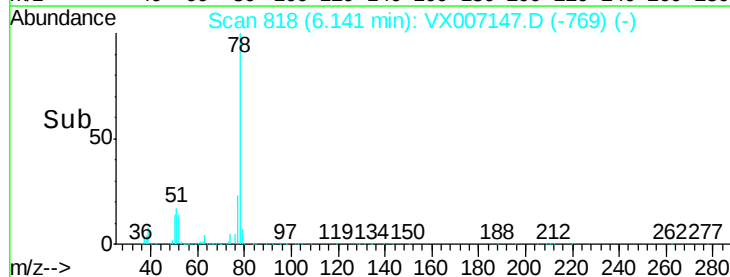
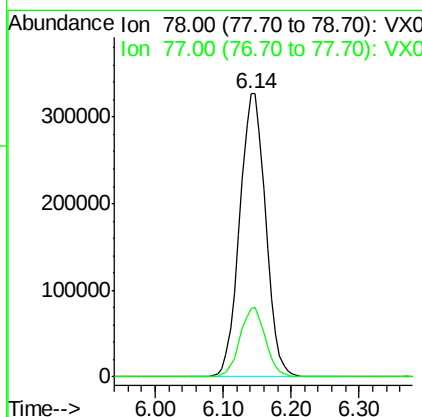
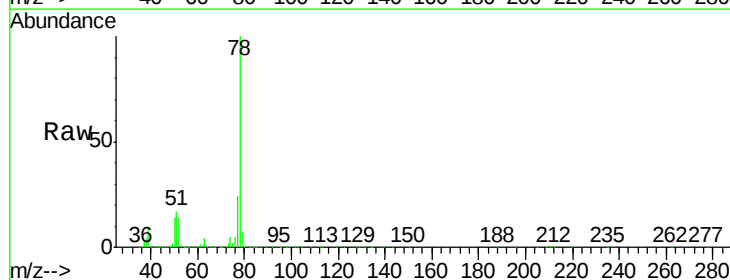
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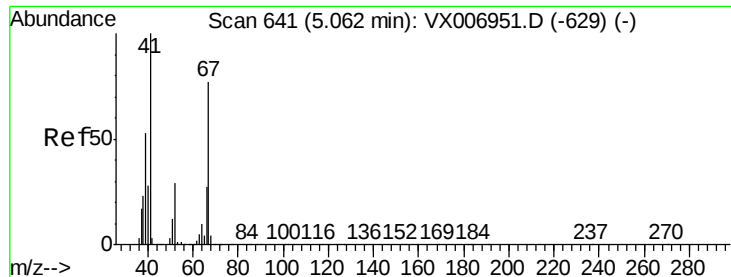
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#40
Benzene
Concen: 48.181 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 48.066 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007147.D

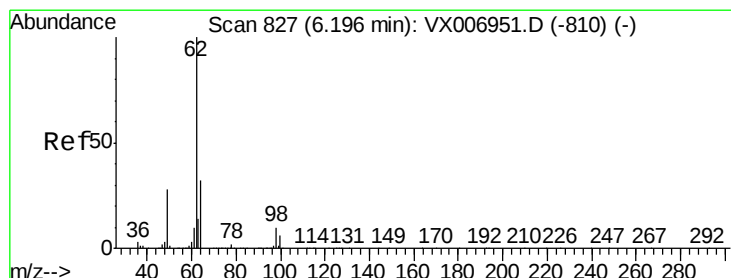
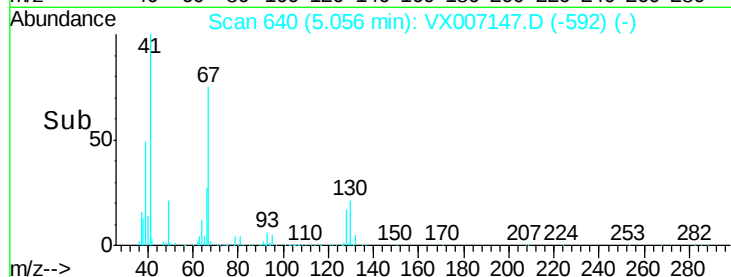
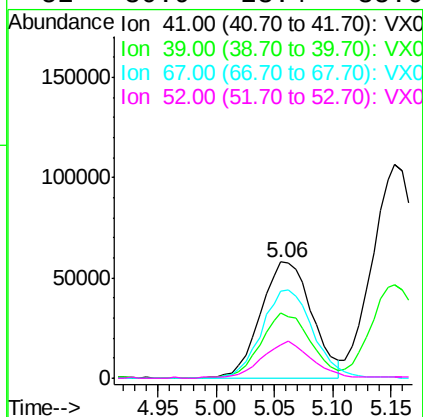
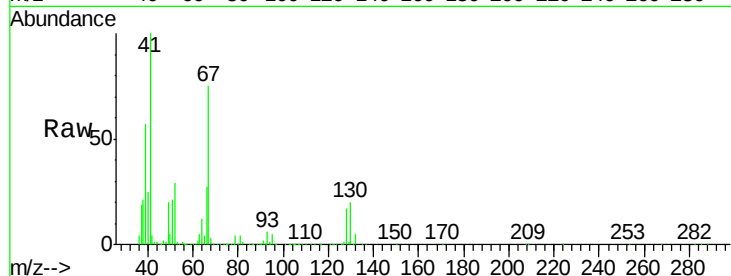
Acq: 18 Jan 2019 20:41

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	42.8	64.2	
67	76.7	62.1	93.1	
52	30.9	23.4	35.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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MMDadoda
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#42

1,2-Dichloroethane

Concen: 48.456 ug/l

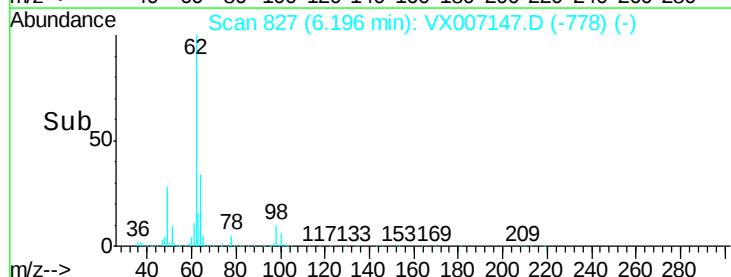
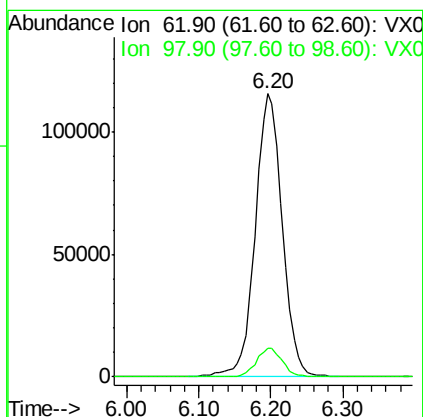
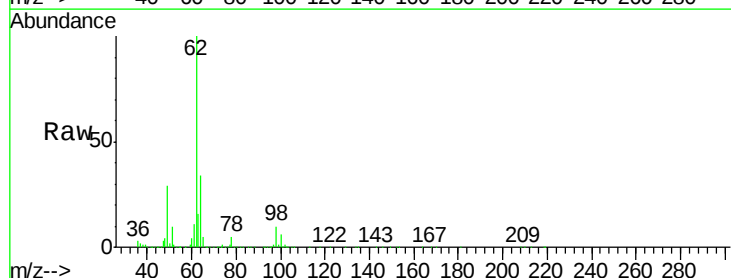
RT: 6.20 min Scan# 827

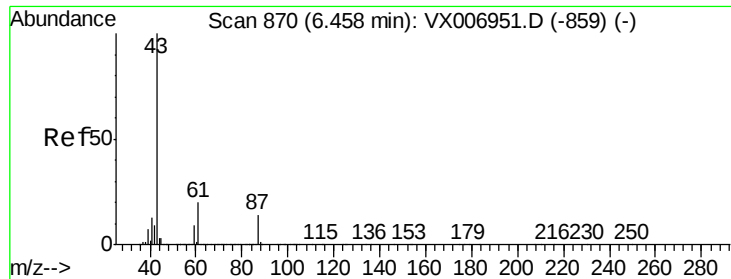
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





#43

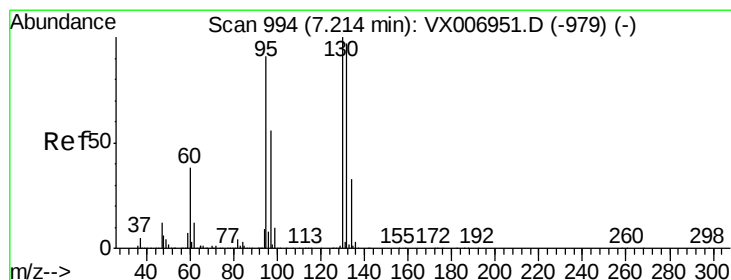
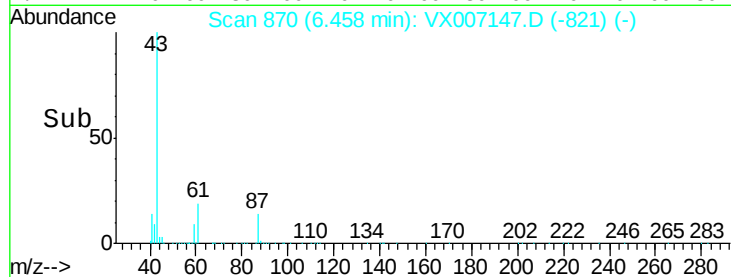
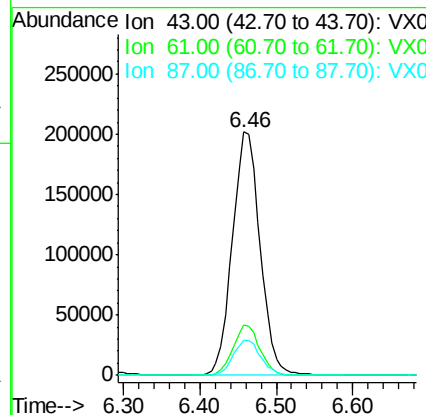
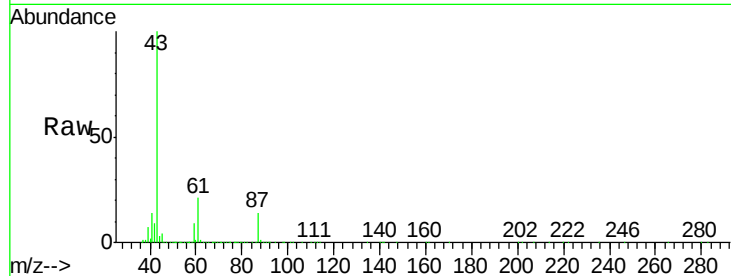
Isopropyl Acetate
 Concen: 50.384 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.8	25.2
87	14.4	12.4	18.6

Manual Integrations
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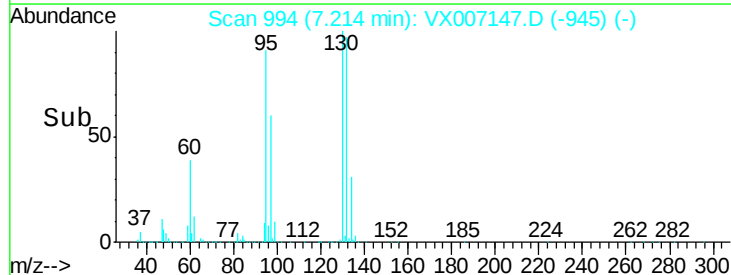
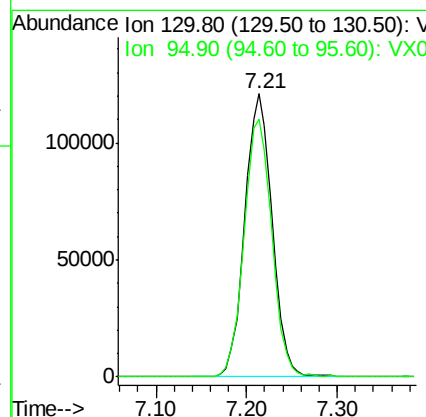
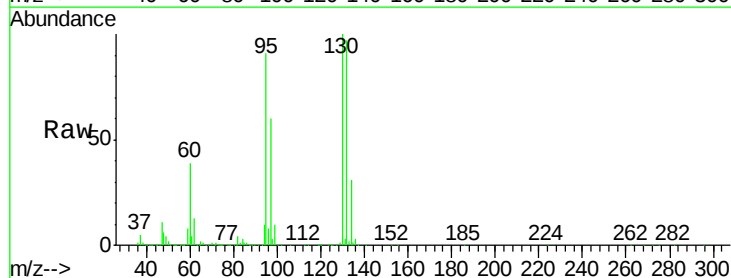
MMDadoda
 1/21/2019 11:00:08 AM

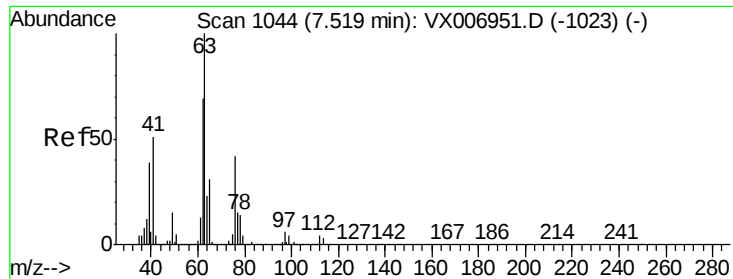


#44

Trichloroethene
 Concen: 46.777 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	187.0





#45

1,2-Dichloropropane

Concen: 48.695 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 220973

Ion Ratio Lower Upper

63 100

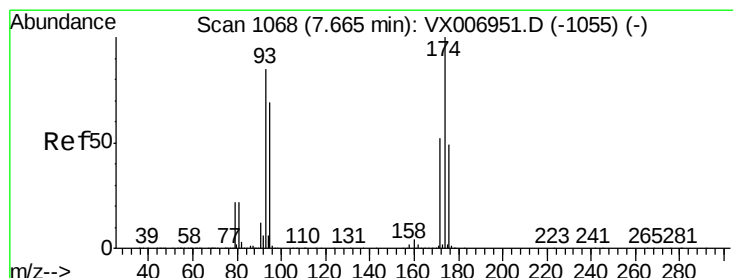
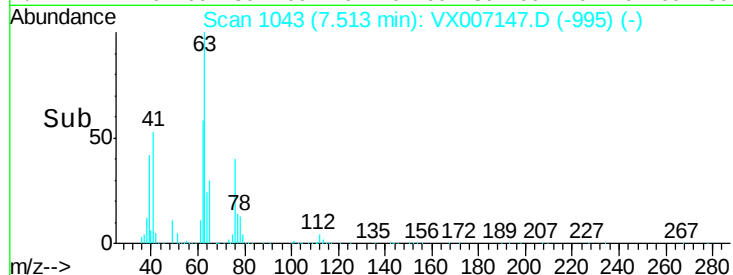
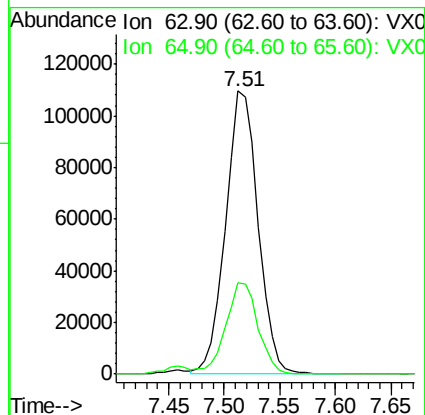
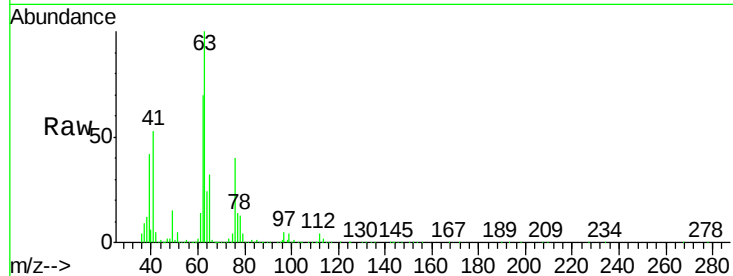
65 32.2 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.946 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

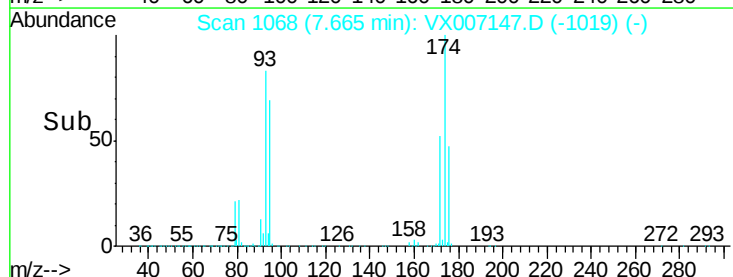
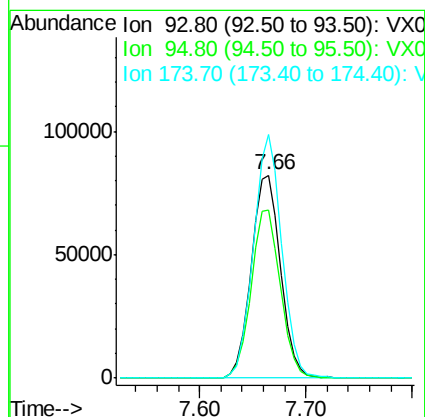
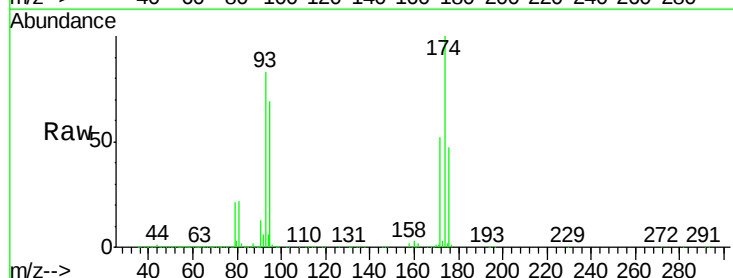
Tgt Ion: 93 Resp: 159293

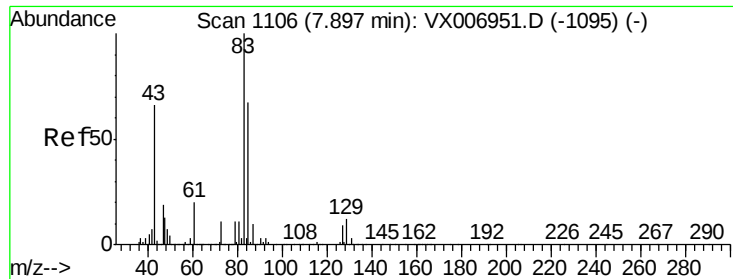
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 116.2 91.0 136.4





#47

Bromodichloromethane

Concen: 51.851 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

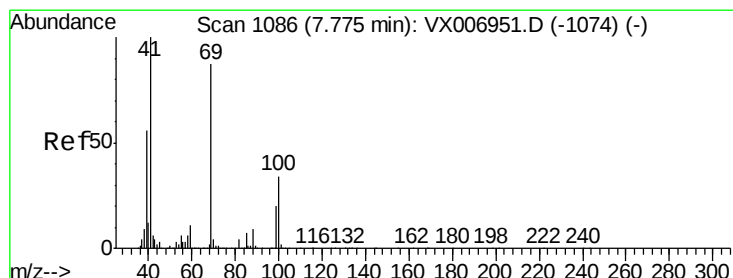
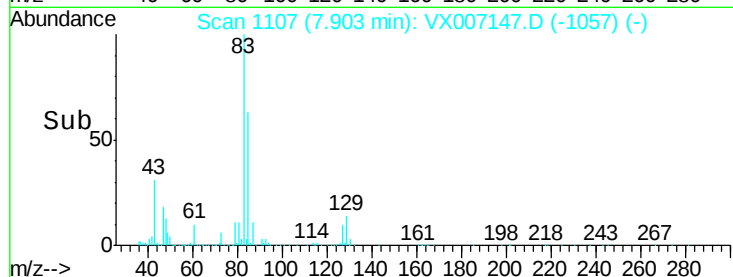
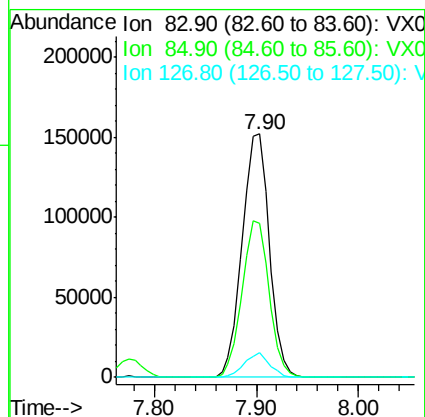
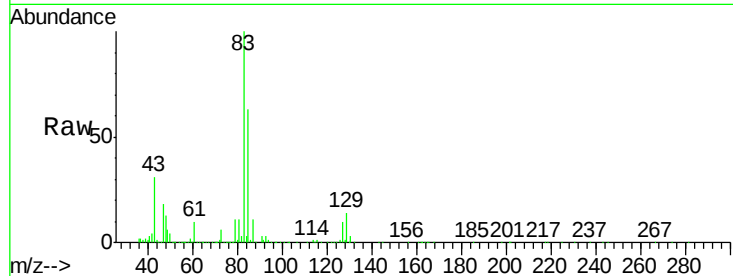
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	281480
Ion Ratio	Lower	Upper	
83	100		
85	63.3	53.2	79.8
127	10.2	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.738 ug/l

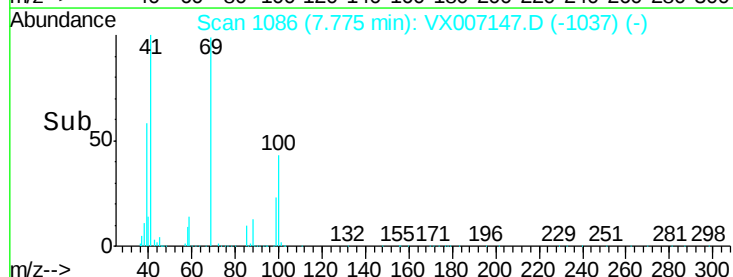
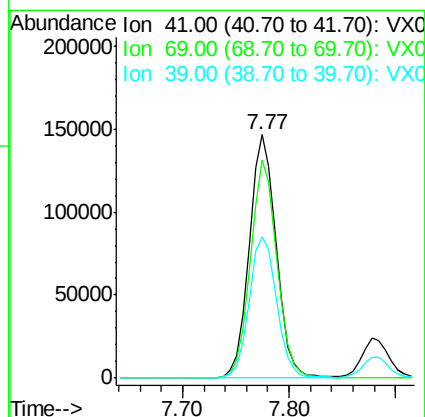
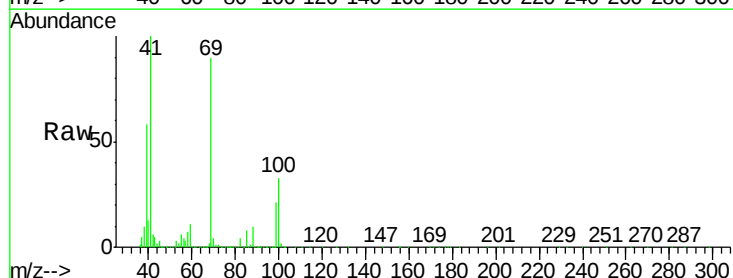
RT: 7.77 min Scan# 1086

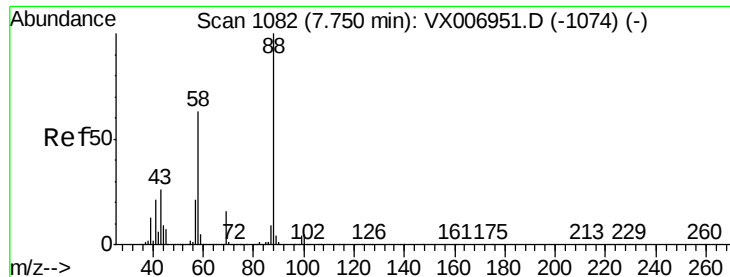
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion:	41	Resp:	260661
Ion Ratio	Lower	Upper	
41	100		
69	88.5	72.4	108.6
39	58.9	45.8	68.8





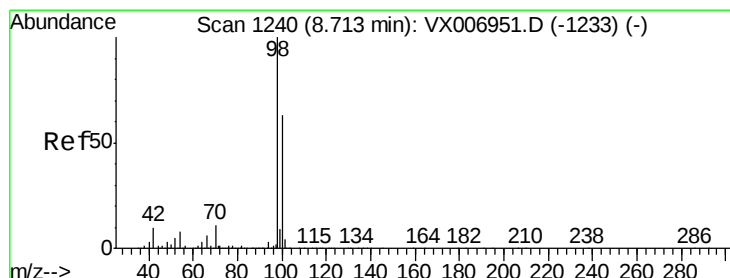
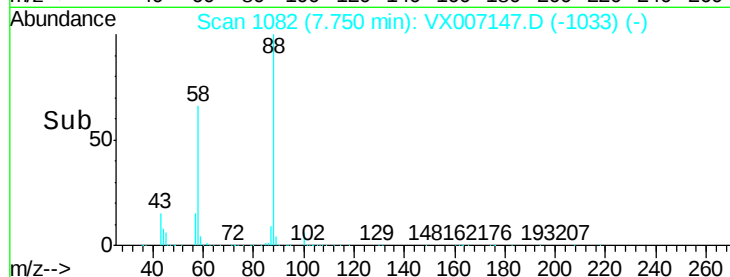
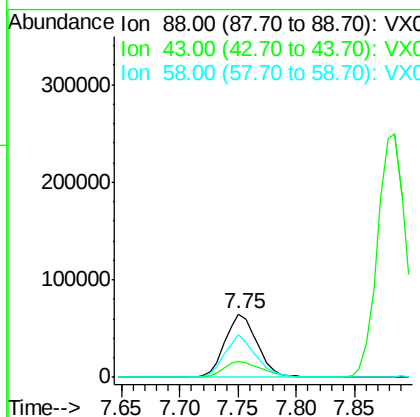
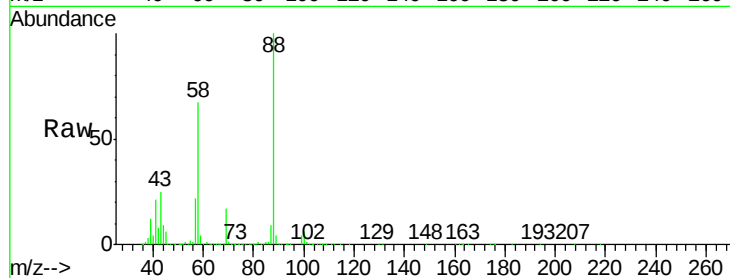
#49
1,4-Dioxane
Concen: 1063.793 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	22.2	33.4
58	65.1	51.0	76.4

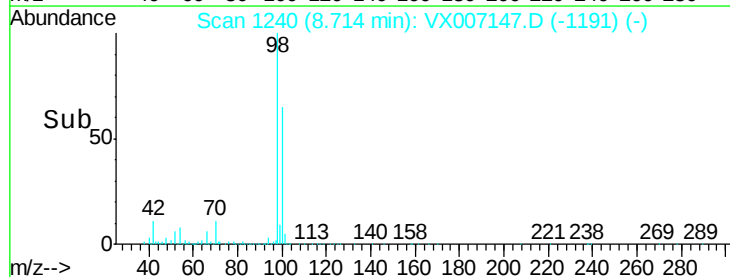
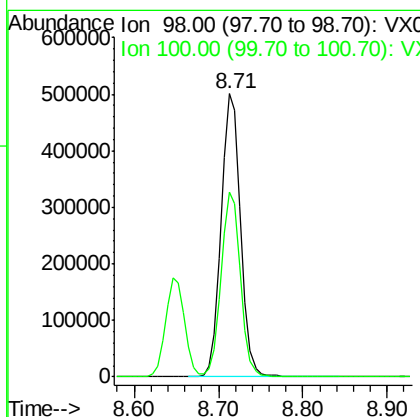
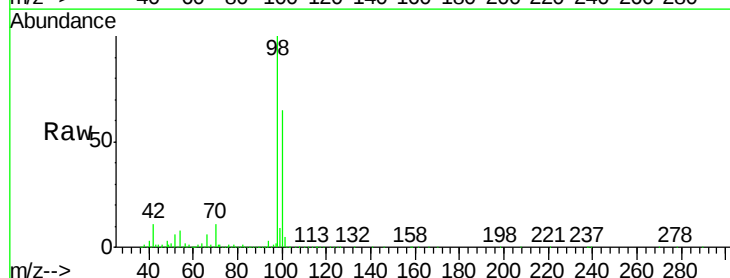
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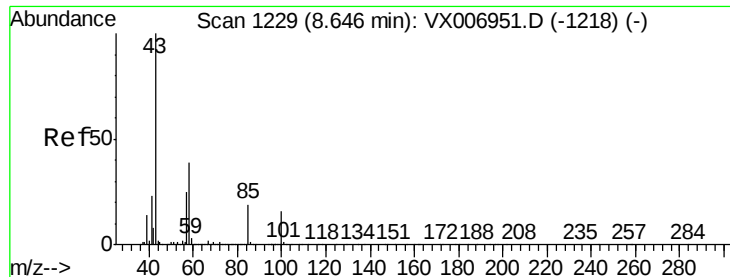
MMDadoda
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#50
Toluene-d8
Concen: 49.989 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 265.467 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tot Ion: 43 Resp: 1706697

Ion Ratio Lower Upper

43 100

58 39.2 31.8 47.6

Instrument :

MSVOA_X

ClientSampleId :

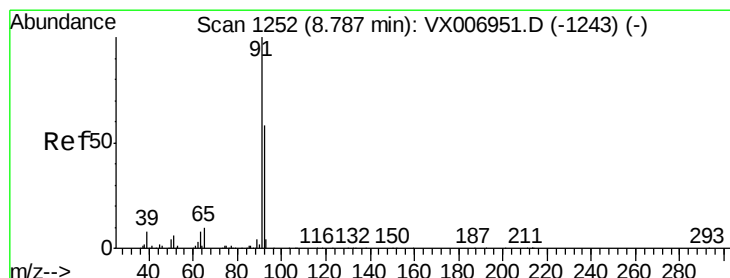
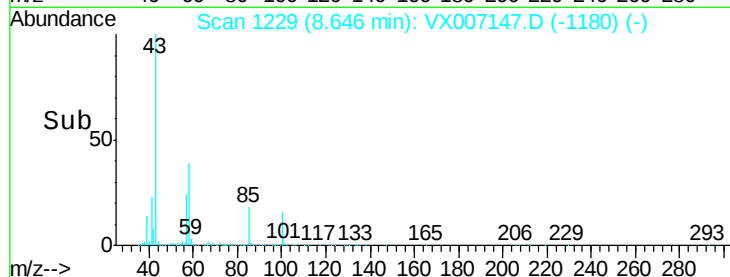
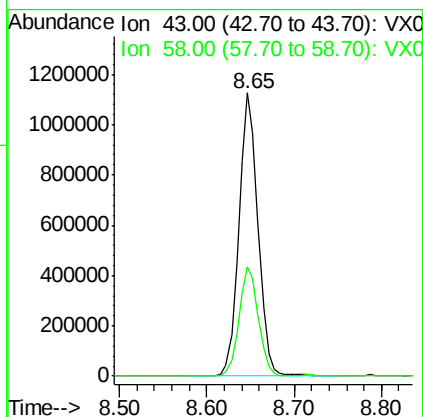
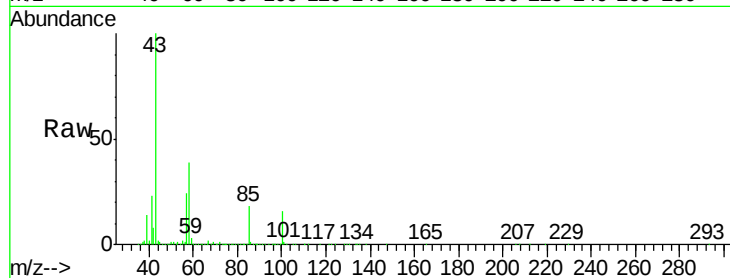
VSTDCCC050EC

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#52

Toluene

Concen: 49.175 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007147.D

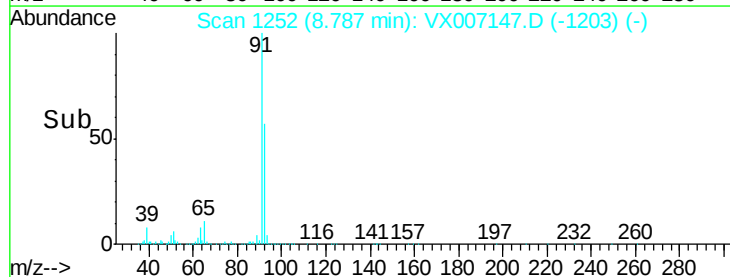
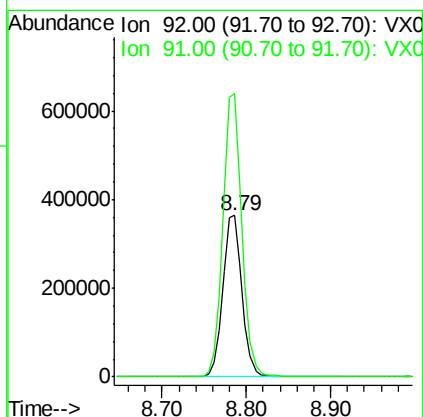
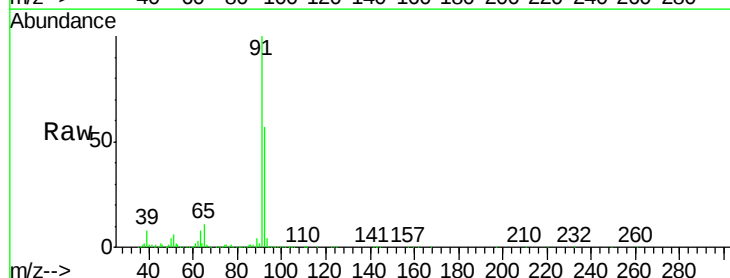
Acq: 18 Jan 2019 20:41

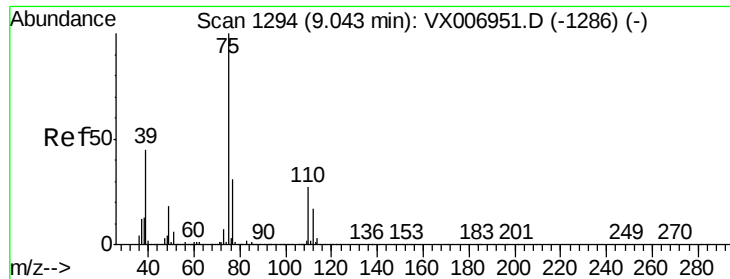
Tgt Ion: 92 Resp: 570506

Ion Ratio Lower Upper

92 100

91 174.7 137.6 206.4





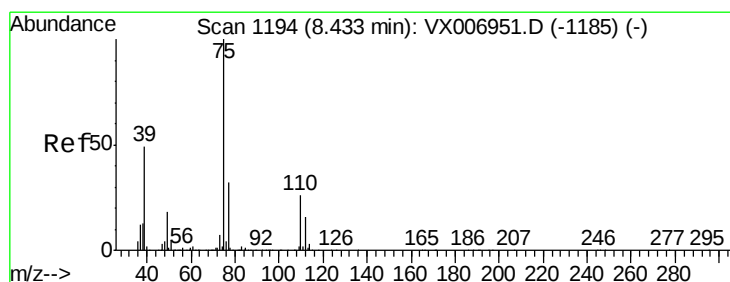
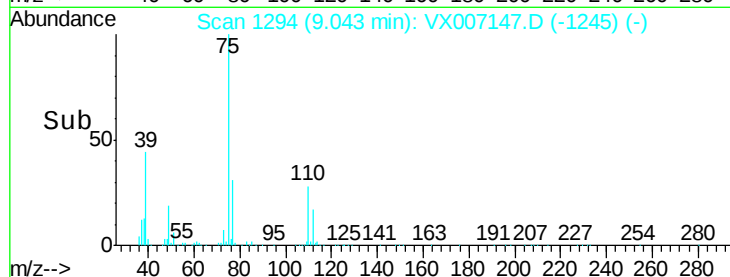
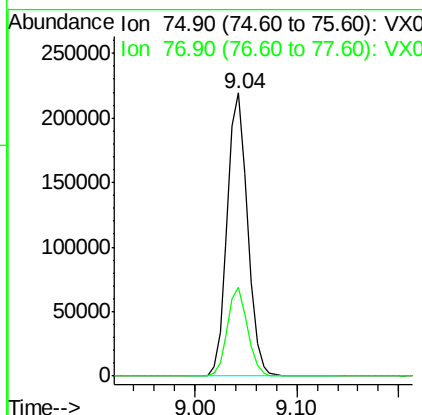
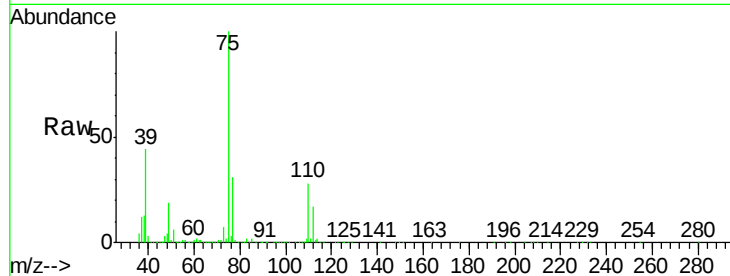
#53
t-1,3-Dichloropropene
Concen: 50.251 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0

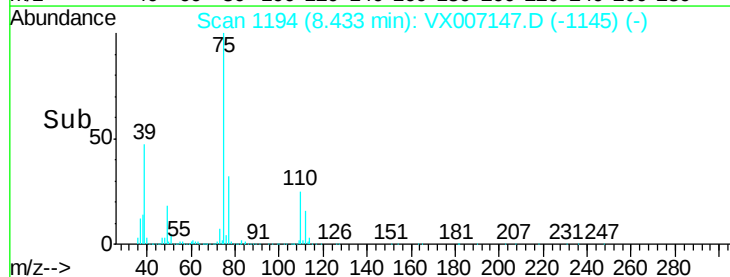
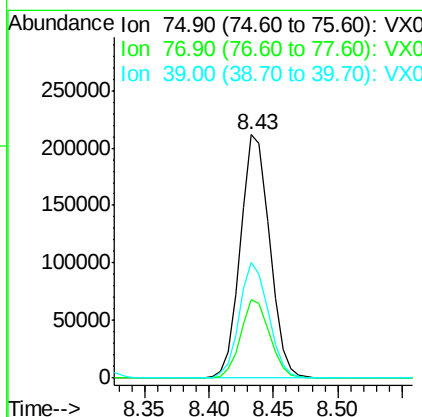
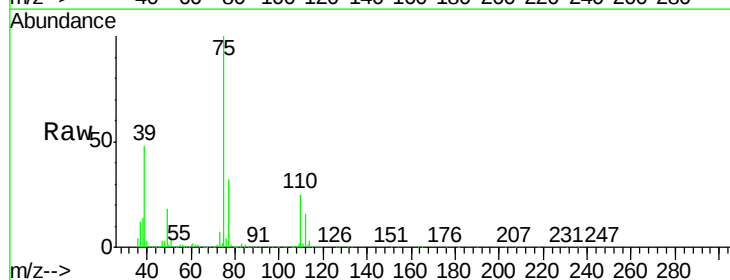
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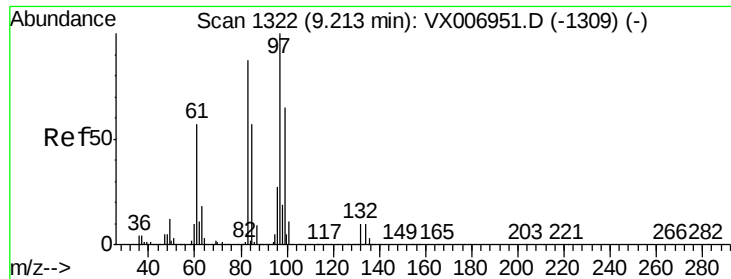
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1/21/2019 11:00:08 AM



#54
cis-1,3-Dichloropropene
Concen: 50.099 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.2
39	47.5	36.7	55.1





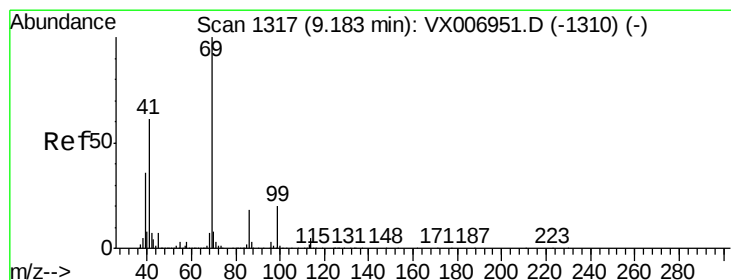
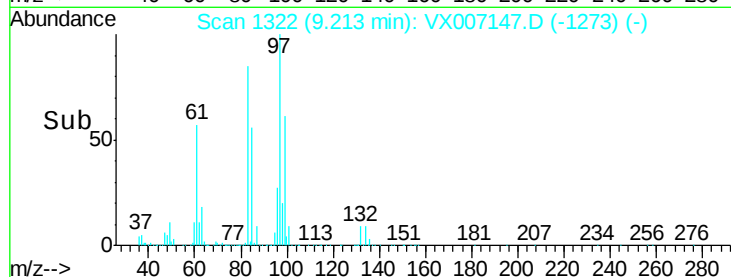
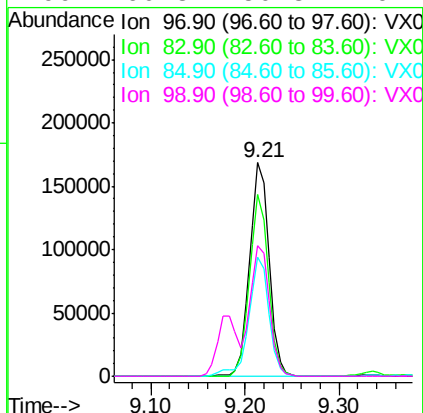
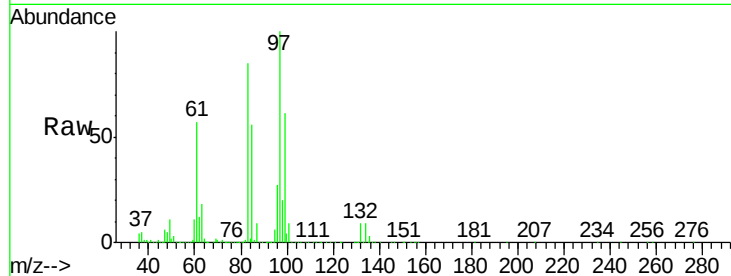
#55
1,1,2-Trichloroethane
Concen: 52.974 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		245996		
83	85.0	66.6	99.8		
85	55.9	42.7	64.1		
99	60.8	50.8	76.2		

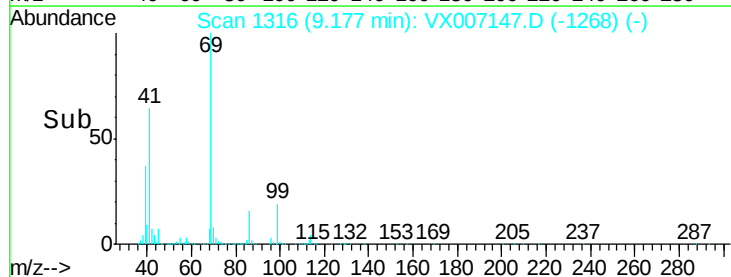
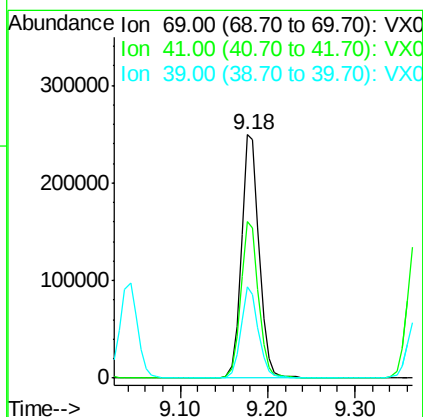
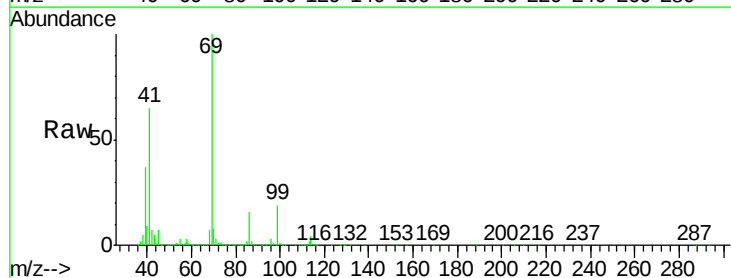
Manual Integrations
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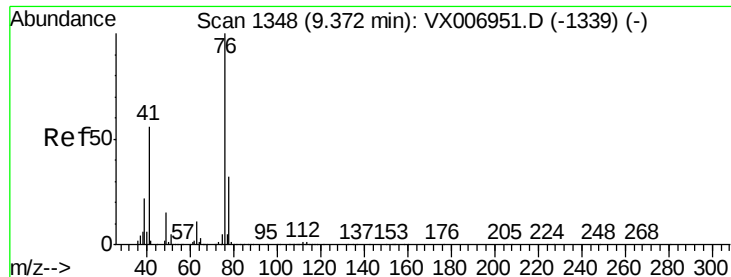
MMDadoda
1/21/2019 11:00:08 AM



#56
Ethyl methacrylate
Concen: 52.135 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		353434		
41	63.8	48.7	73.1		
39	37.0	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 50.868 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 386983

Ion Ratio Lower Upper

76 100

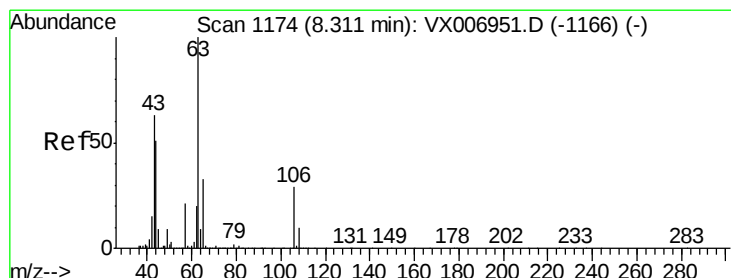
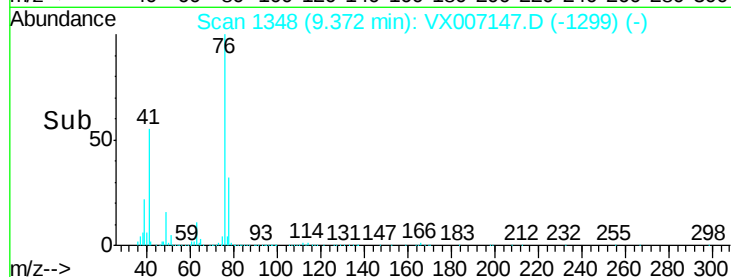
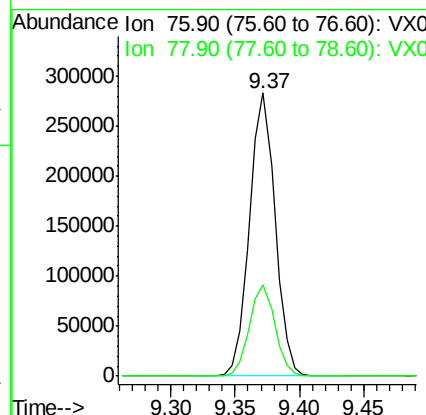
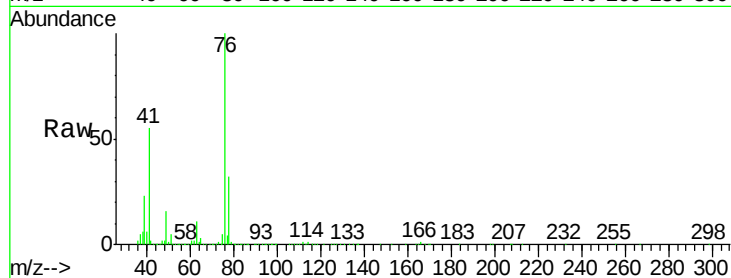
78 32.4 26.0 39.0

Manual Integrations

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1/21/2019 11:00:08 AM



#58

2-Chloroethyl Vinyl ether

Concen: 264.353 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007147.D

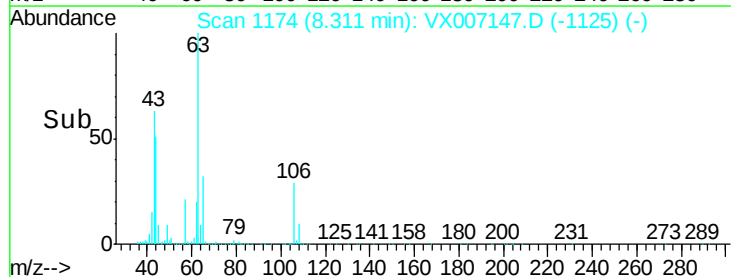
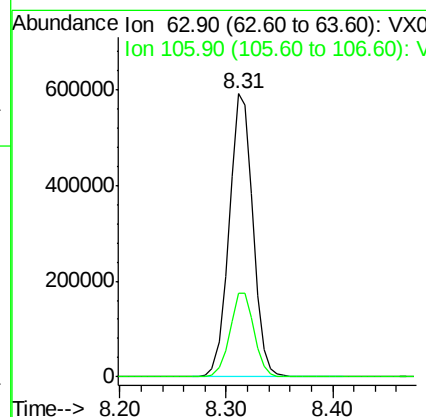
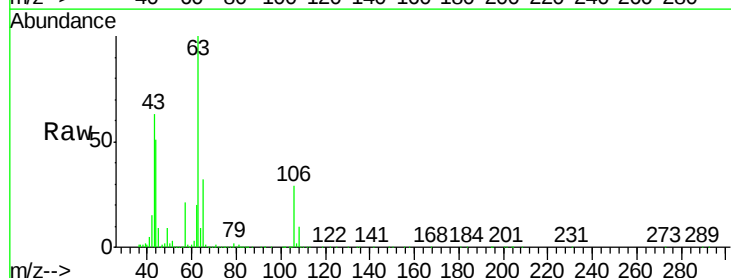
Acq: 18 Jan 2019 20:41

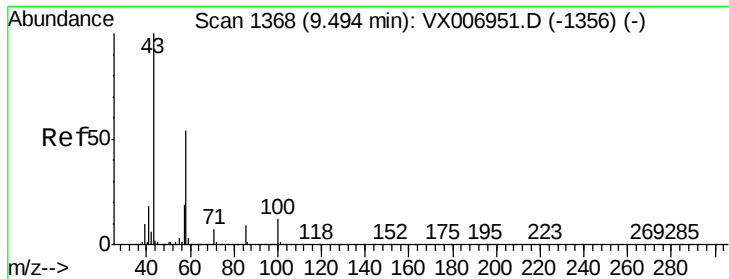
Tgt Ion: 63 Resp: 921420

Ion Ratio Lower Upper

63 100

106 30.4 24.6 36.8





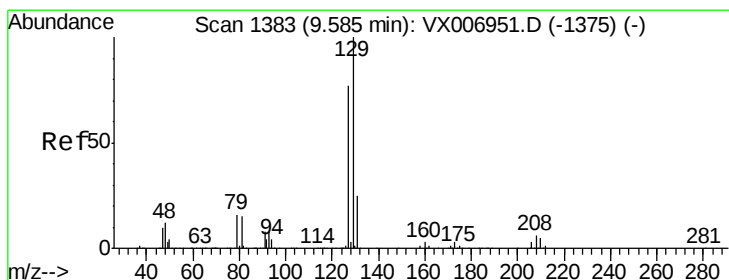
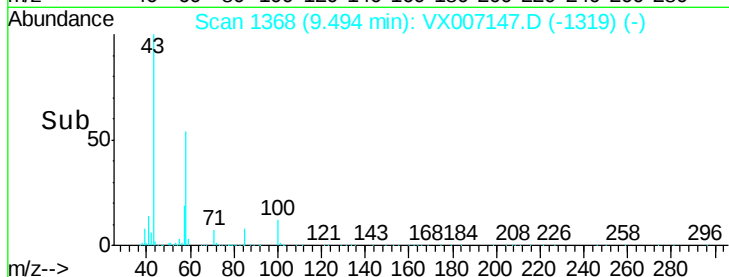
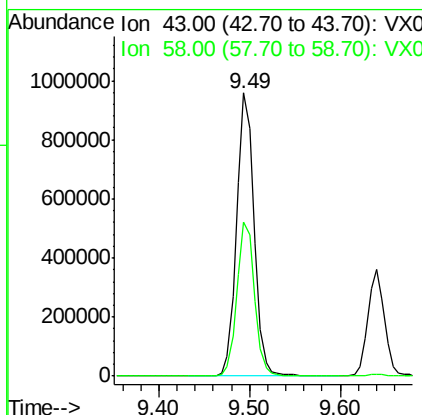
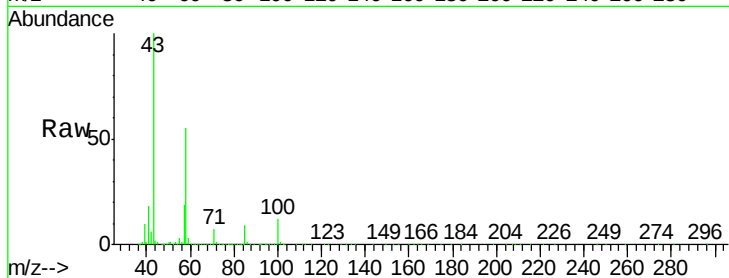
#59
2-Hexanone
Concen: 261.474 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1281039
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

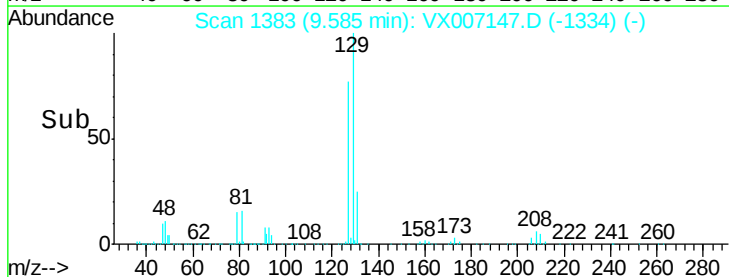
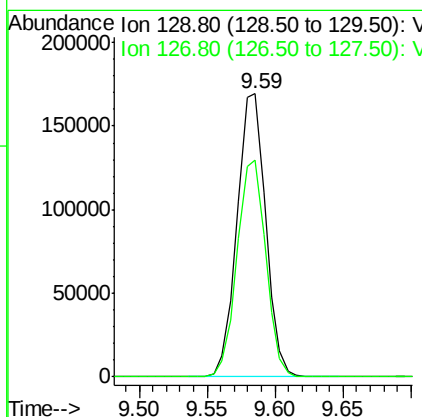
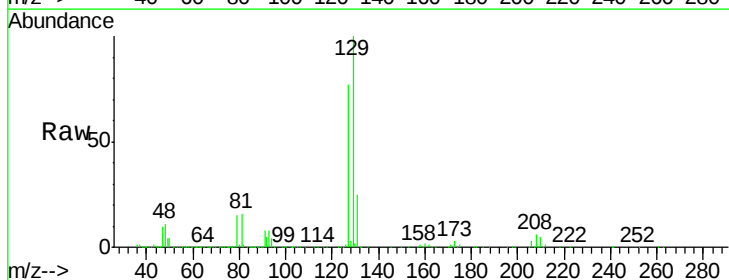
Manual Integrations
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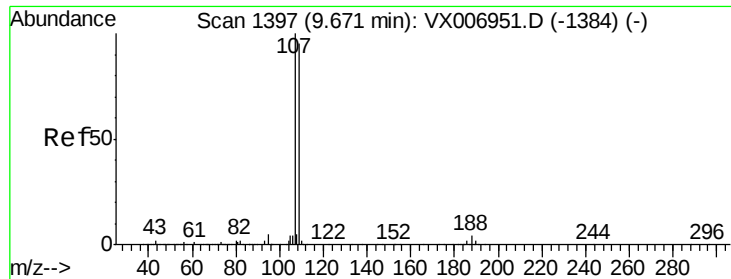
MMDadoda
1/21/2019 11:00:08 AM



#60
Dibromochloromethane
Concen: 55.249 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion: 129 Resp: 249129
Ion Ratio Lower Upper
129 100
127 76.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.712 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 264365

Ion Ratio Lower Upper

107 100

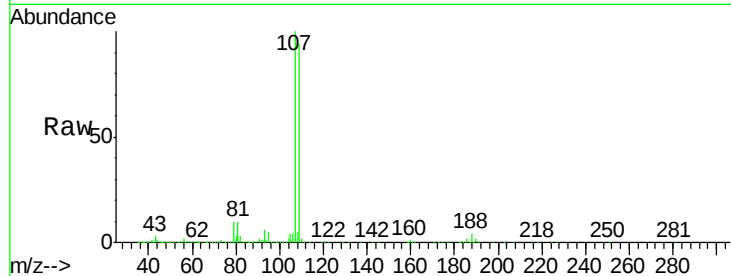
109 94.1 75.8 113.6

Manual Integrations

APPROVED

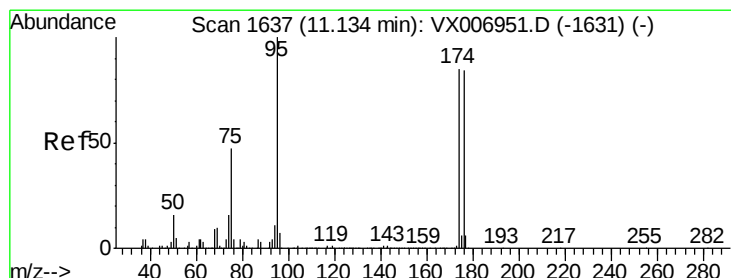
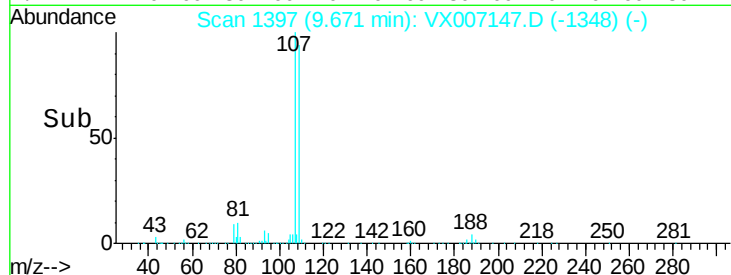
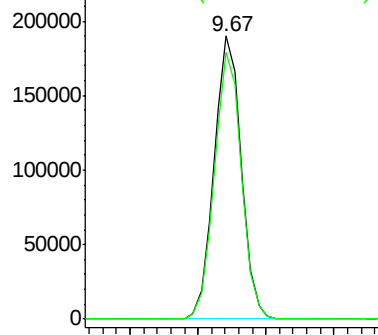
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.977 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

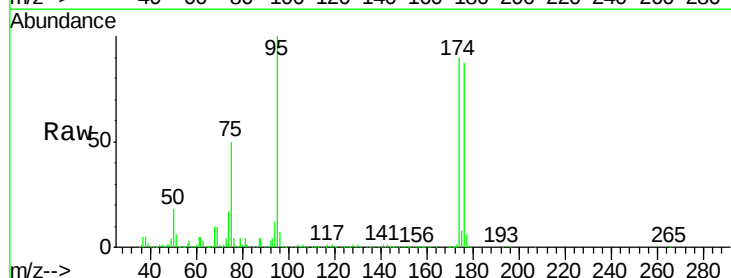
Tgt Ion: 95 Resp: 283448

Ion Ratio Lower Upper

95 100

174 96.7 0.0 182.2

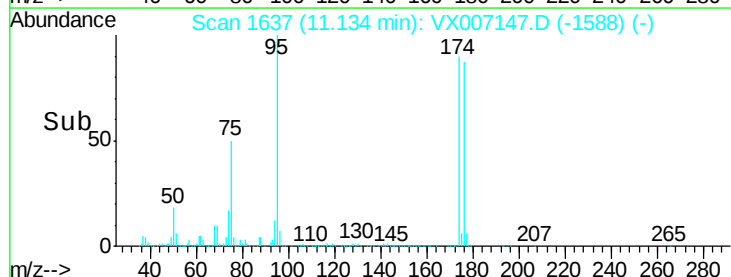
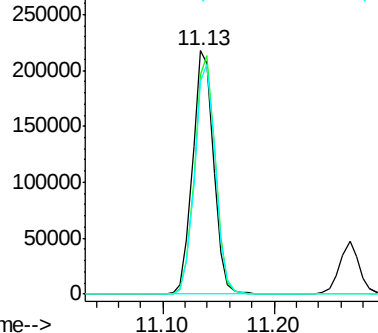
176 93.5 0.0 178.8

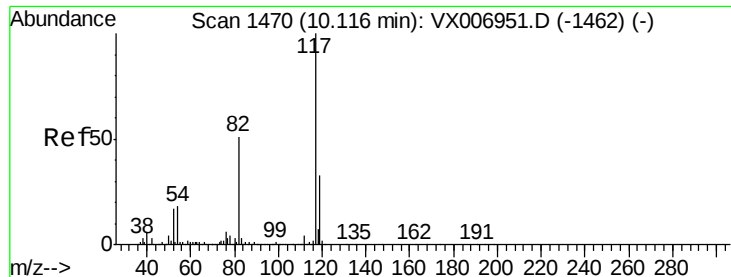


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





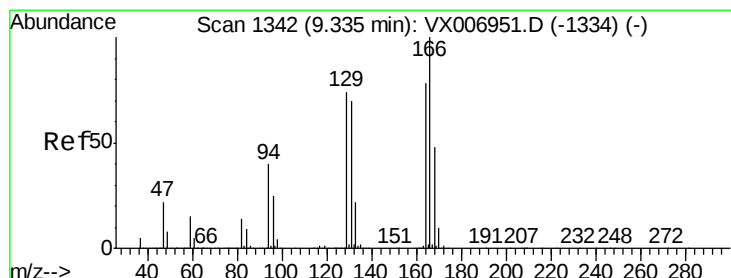
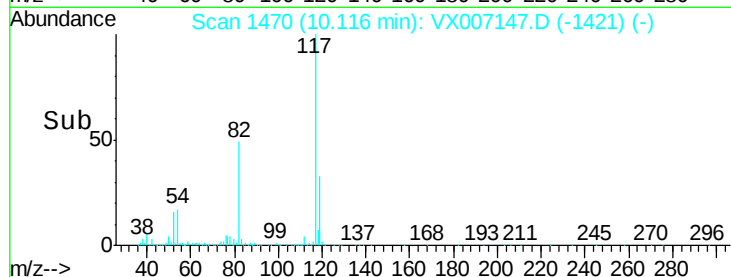
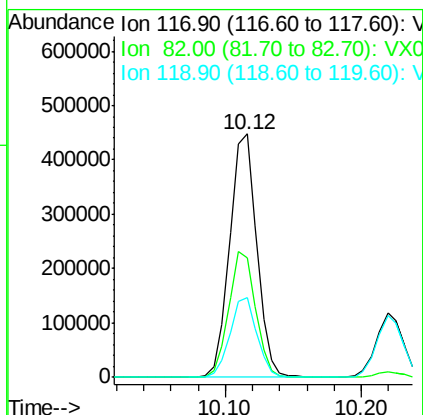
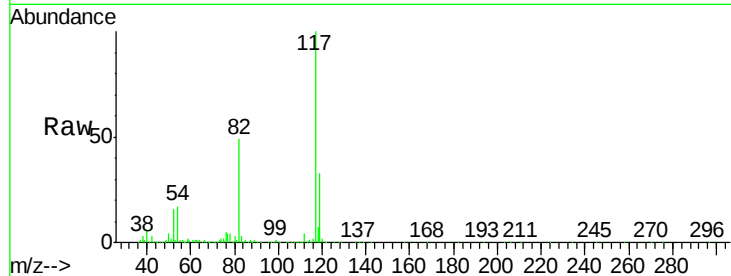
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.9	41.0	61.6
119	32.5	25.4	38.0

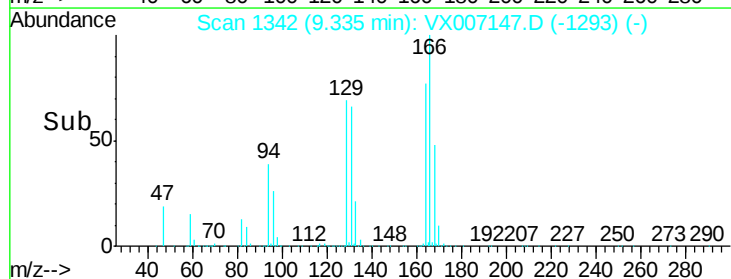
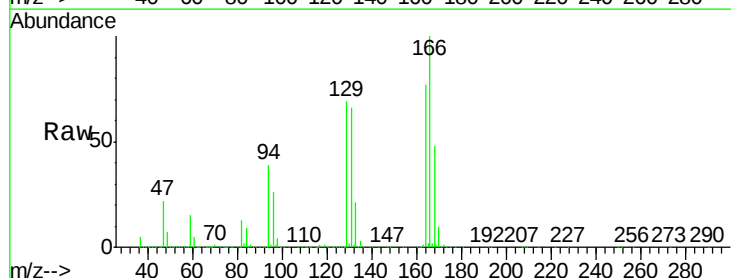
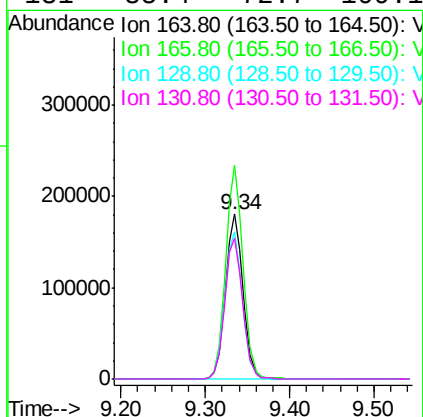
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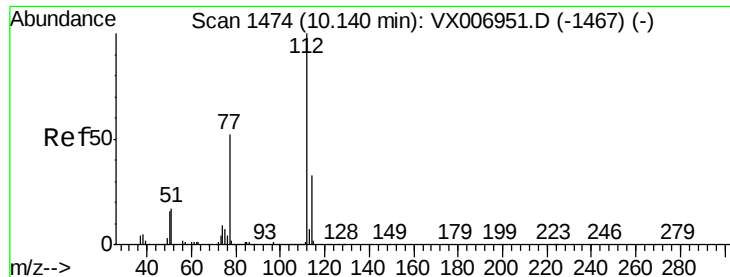
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#64
Tetrachloroethene
Concen: 48.087 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.5	153.7
129	89.3	75.1	112.7
131	85.4	72.7	109.1





#65

Chlorobenzene

Concen: 48.939 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 664270

Ion Ratio Lower Upper

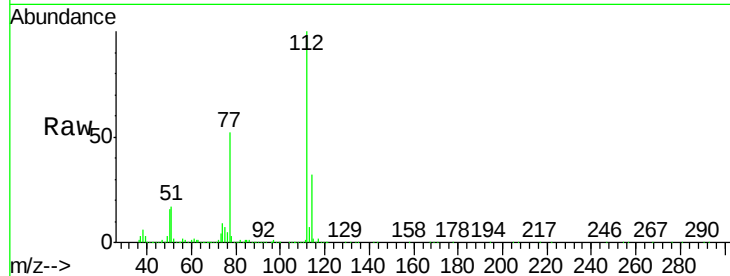
112 100

114 31.8 25.7 38.5

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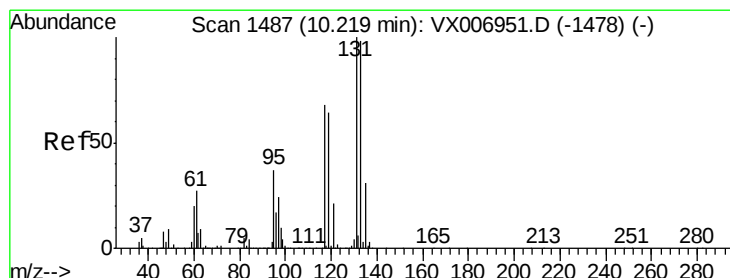
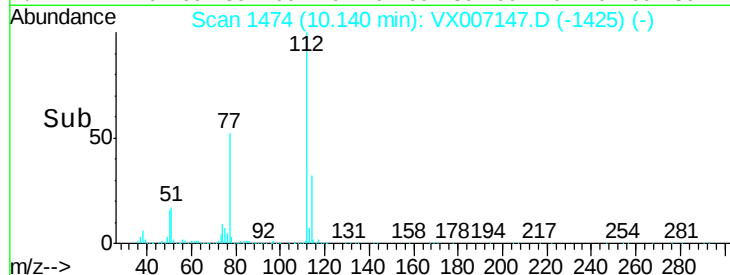
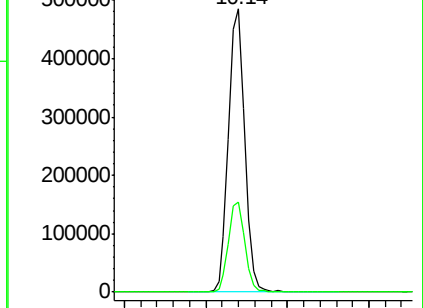
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.883 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

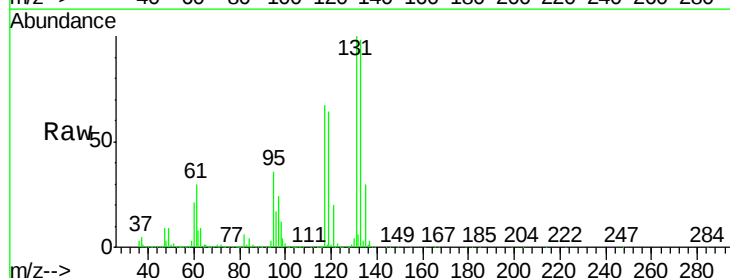
Tgt Ion:131 Resp: 241472

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.2

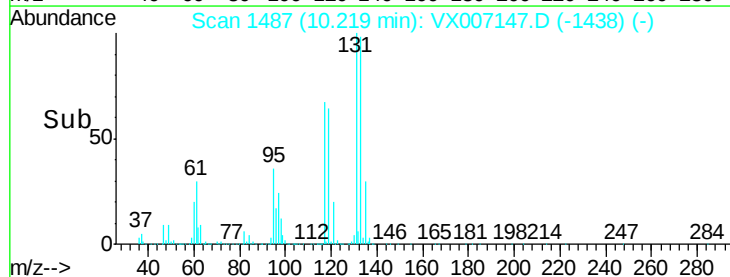
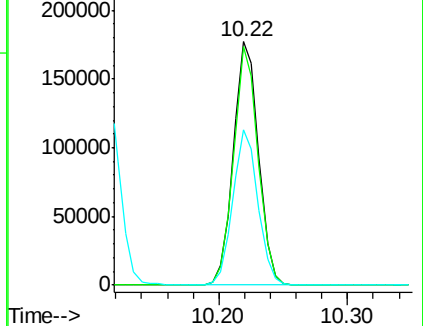
119 63.5 32.6 97.8

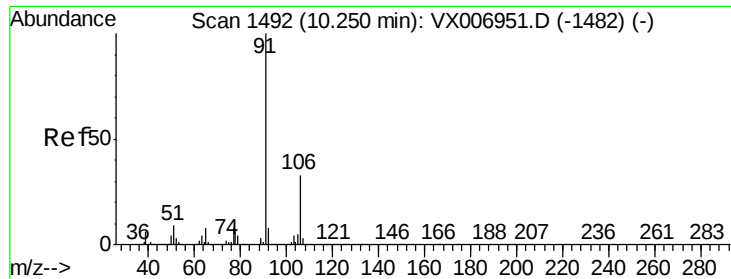


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.974 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1097425

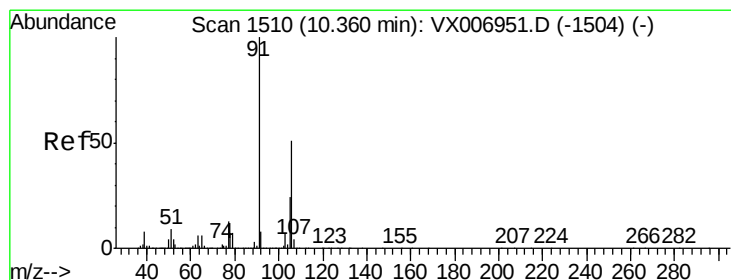
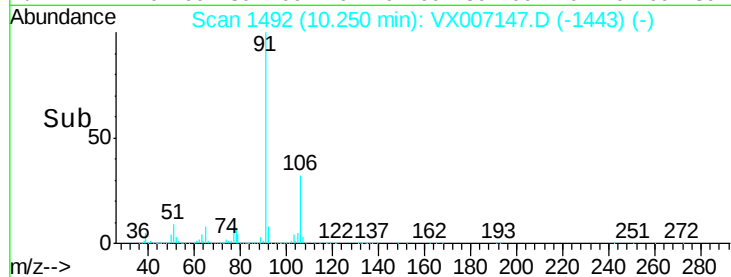
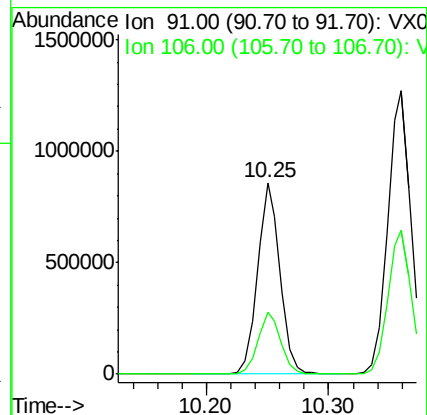
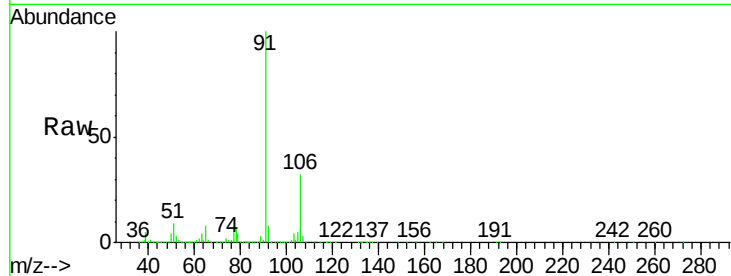
Ion Ratio Lower Upper

91 100

106 32.3 26.4 39.6

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#68

m/p-Xylenes

Concen: 97.733 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007147.D

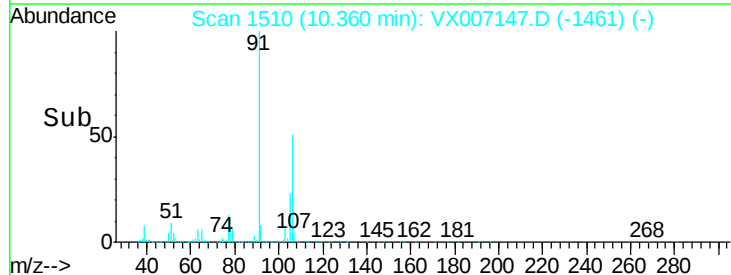
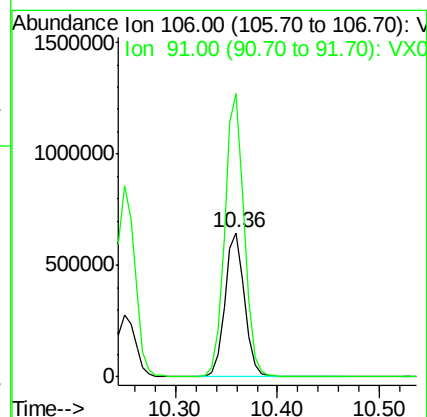
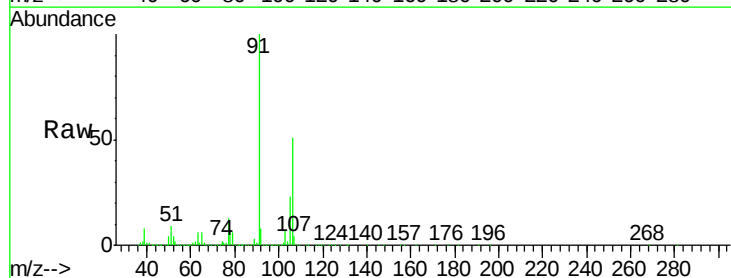
Acq: 18 Jan 2019 20:41

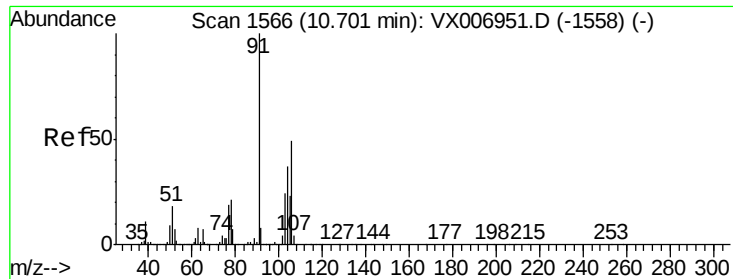
Tgt Ion: 106 Resp: 862828

Ion Ratio Lower Upper

106 100

91 196.2 155.8 233.6





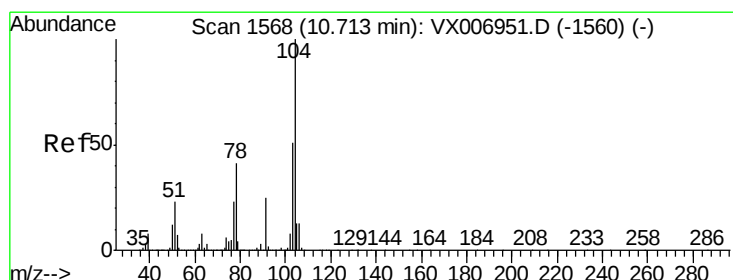
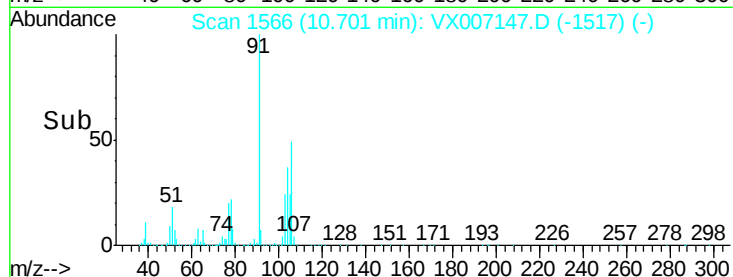
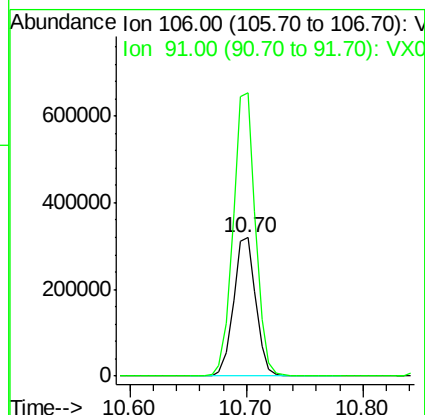
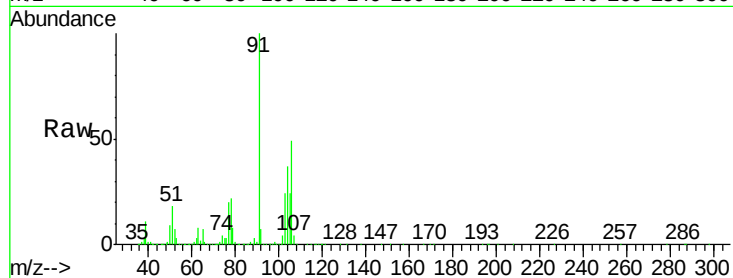
#69
o-Xylene
Concen: 49.333 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.4	101.3	303.7

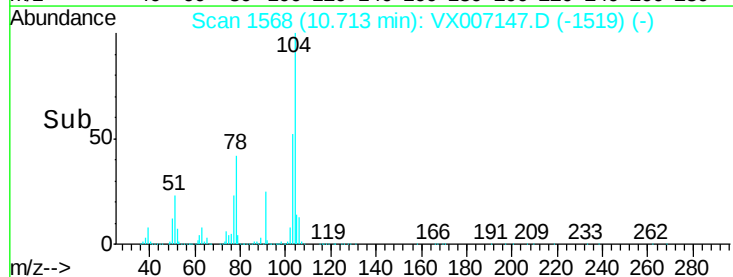
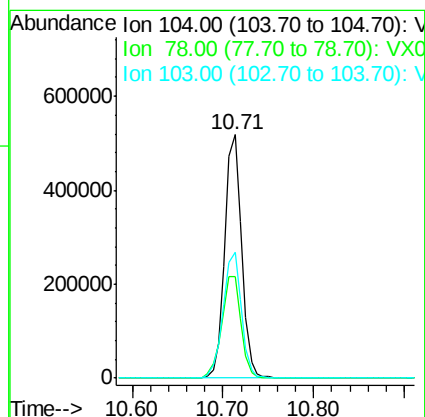
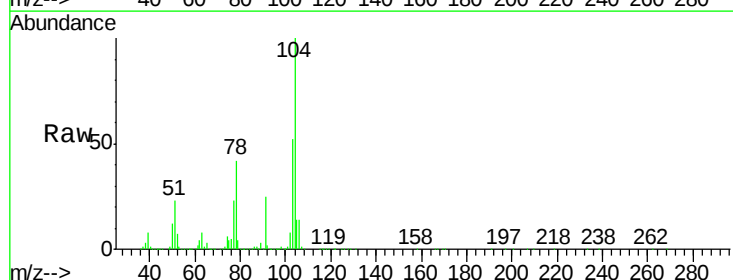
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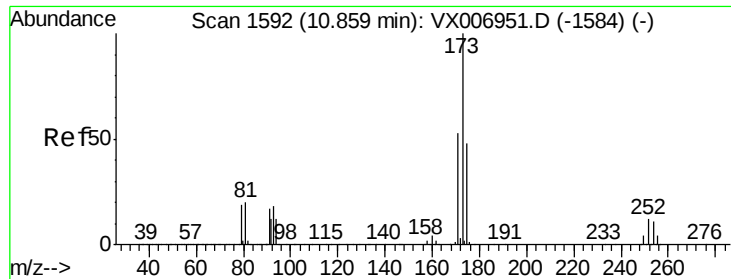
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#70
Styrene
Concen: 49.741 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.7	56.5
103	56.1	43.8	65.8





#71

Bromoform

Concen: 44.870 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

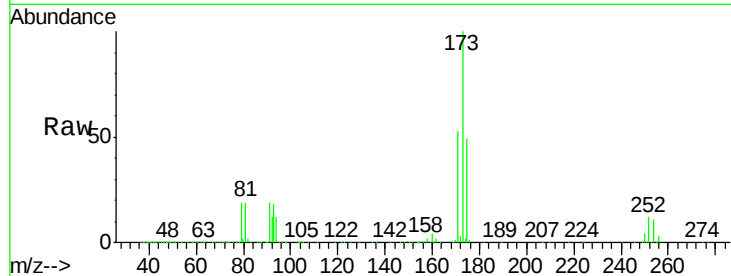
ClientSampleId :

VSTDCCC050EC

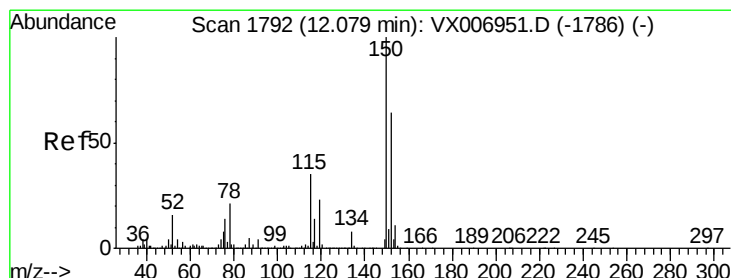
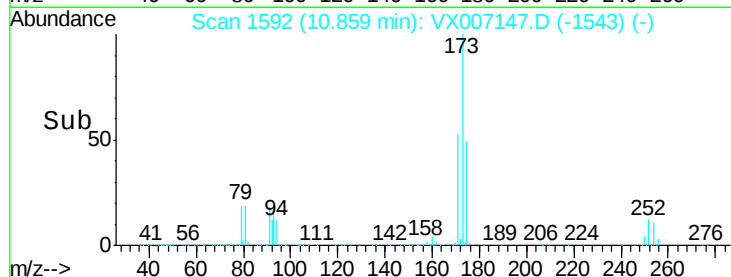
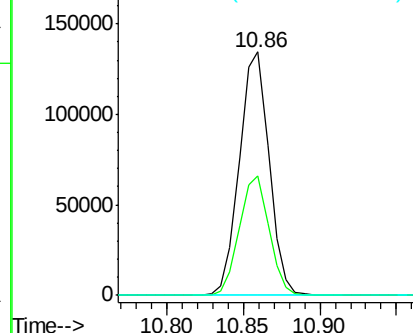
Tot Ion:	173	Resp:	181115
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

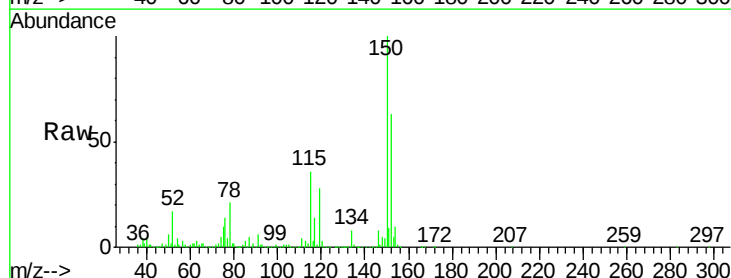
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

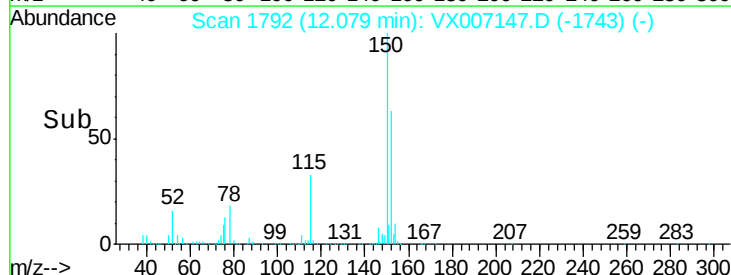
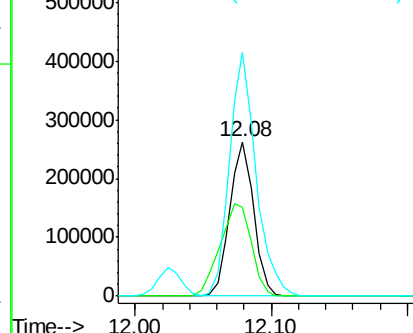
Lab File: VX007147.D

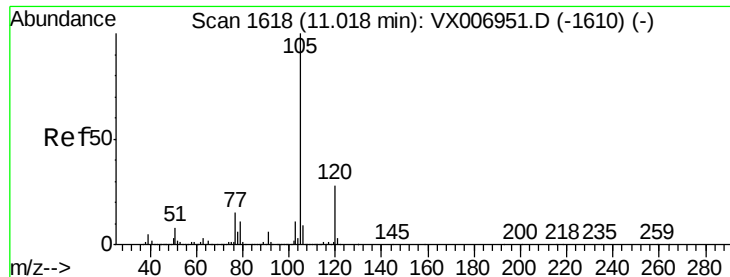
Acq: 18 Jan 2019 20:41

Tgt Ion:	152	Resp:	319770
Ion Ratio	Lower	Upper	
152	100		
115	78.1	39.1	117.2
150	175.3	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.358 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1112936

Ion Ratio Lower Upper

105 100

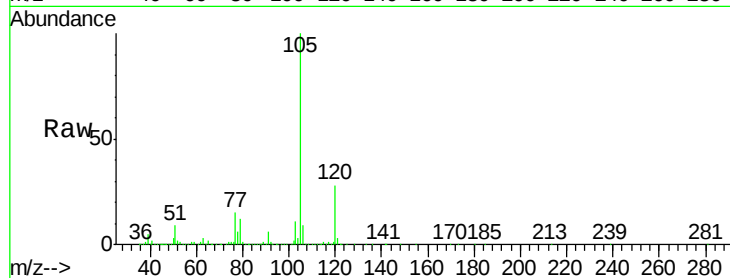
120 27.9 14.1 42.4

Manual Integrations

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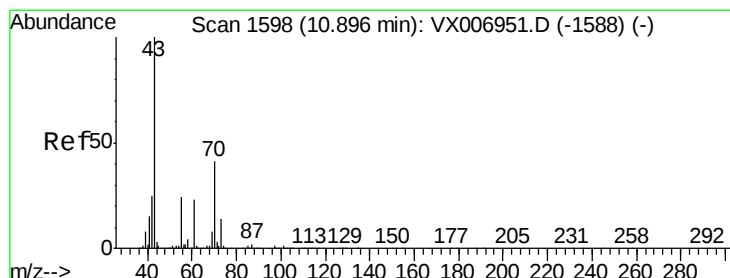
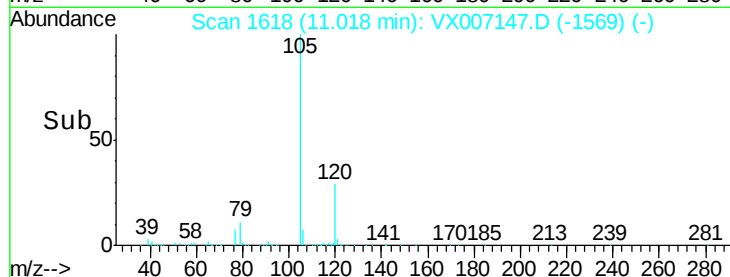
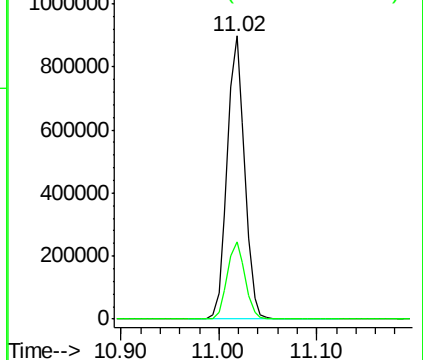
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.853 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion: 43 Resp: 452582

Ion Ratio Lower Upper

43 100

70 42.3 35.8 53.8

55 23.9 19.4 29.0

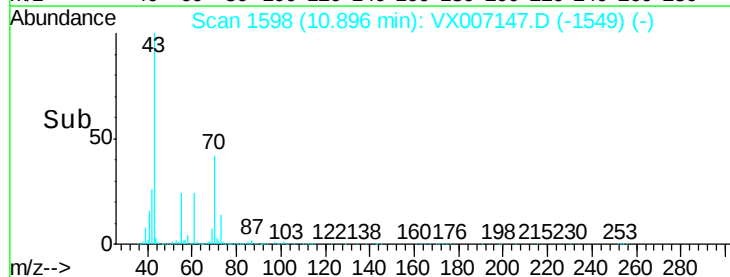
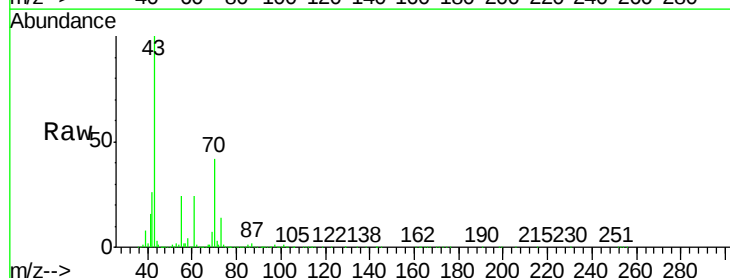
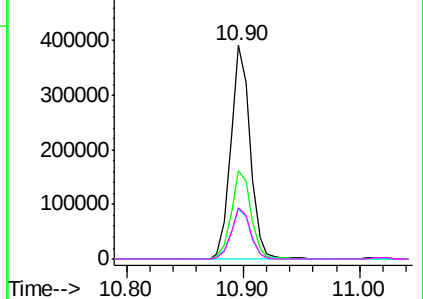
61 24.1 20.1 30.1

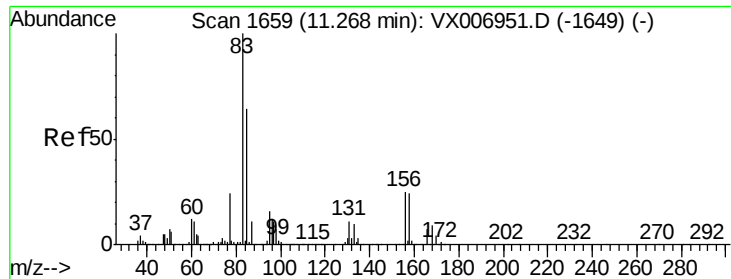
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.659 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 355475

Ion Ratio Lower Upper

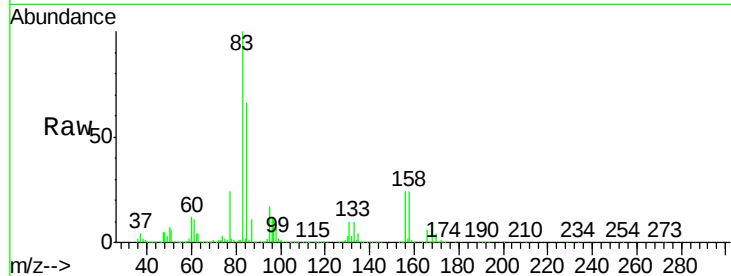
83 100

131 10.9 5.7 17.1

85 65.8 32.2 96.6

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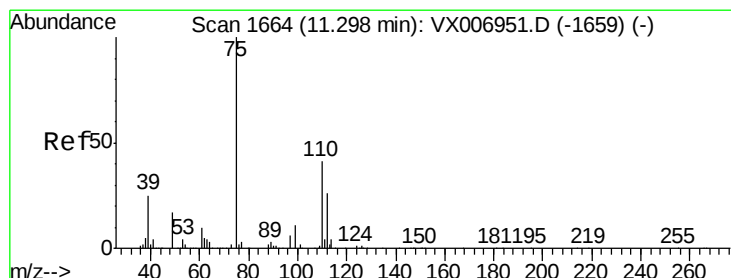
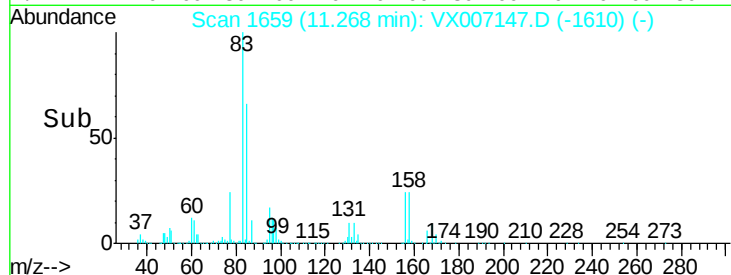
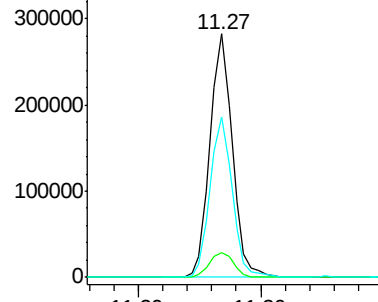
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.517 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX007147.D

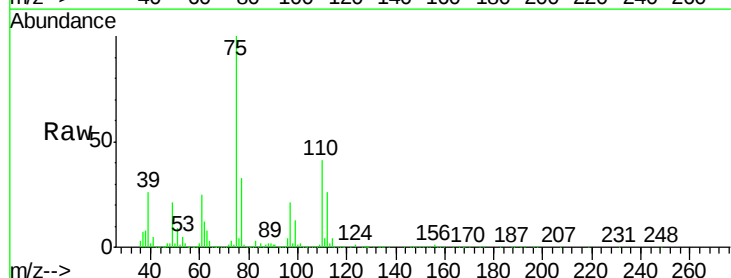
Acq: 18 Jan 2019 20:41

Tgt Ion: 75 Resp: 333831

Ion Ratio Lower Upper

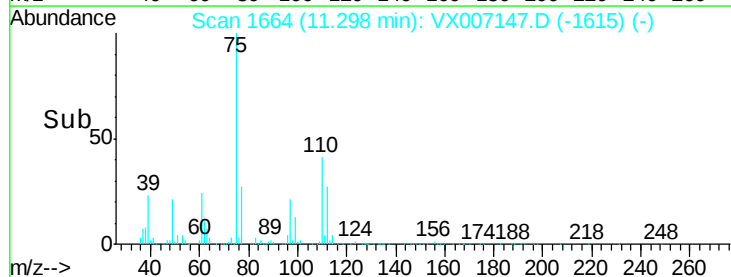
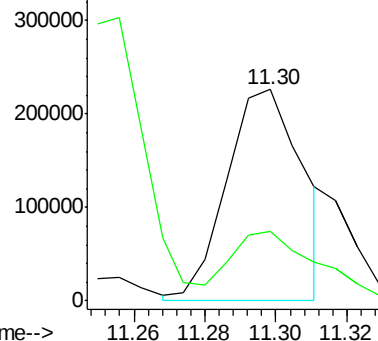
75 100

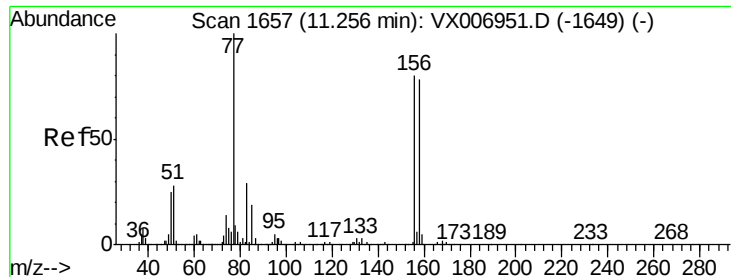
77 37.3 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





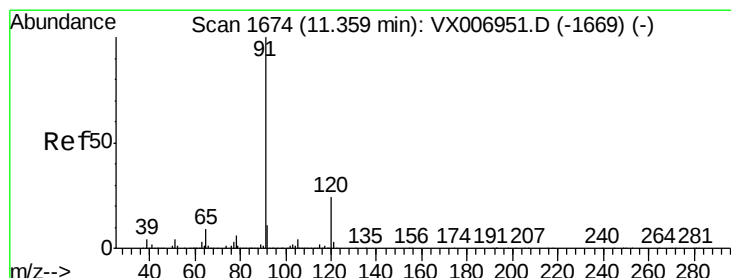
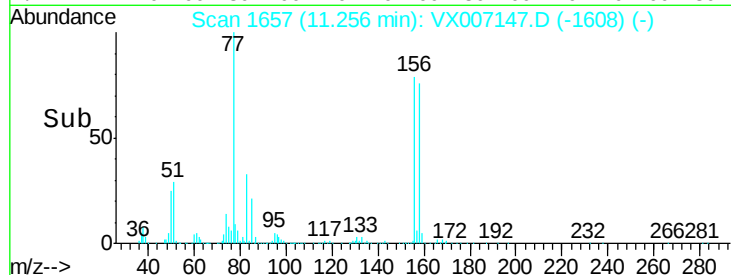
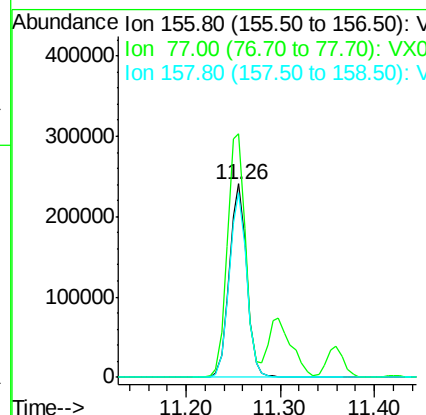
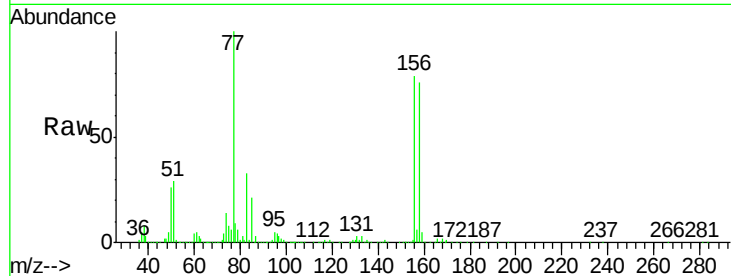
#77
Bromobenzene
Concen: 49.278 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.8	68.0	204.0
158	96.3	48.3	144.8

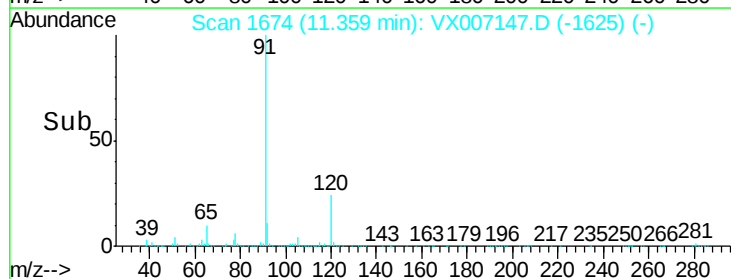
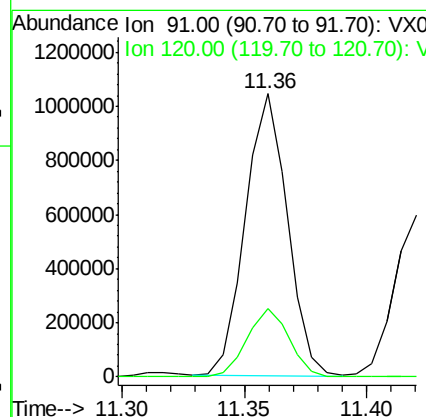
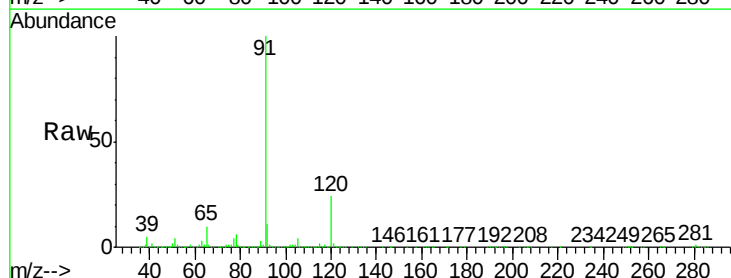
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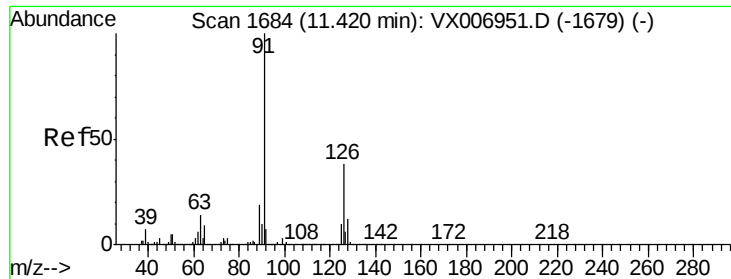
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#78
n-propylbenzene
Concen: 50.467 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.7	38.0





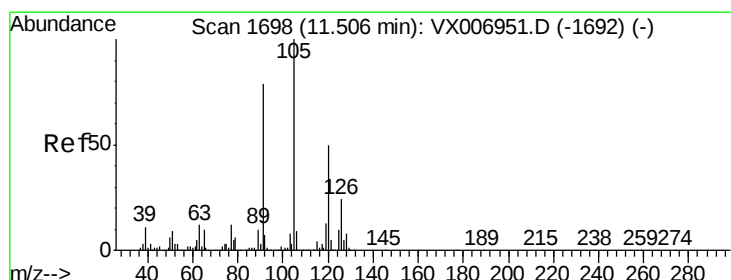
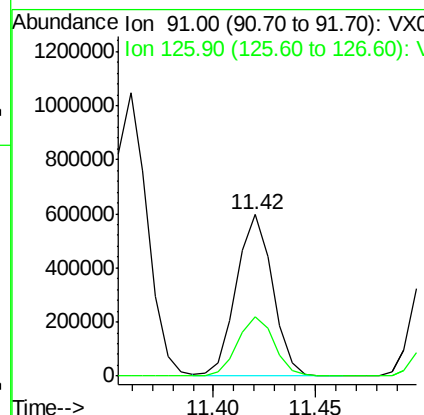
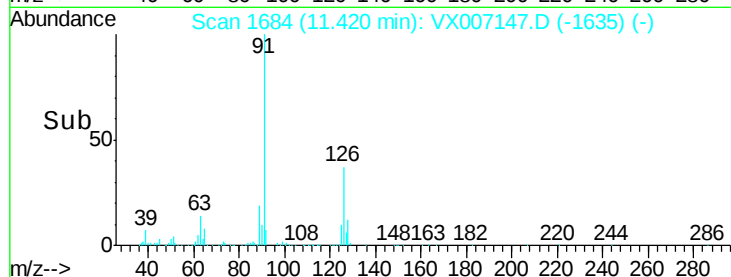
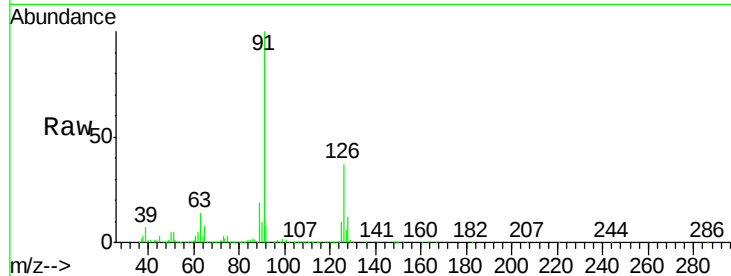
#79
2-Chlorotoluene
Concen: 48.861 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 728054
Ion Ratio Lower Upper
91 100
126 37.6 18.6 56.0

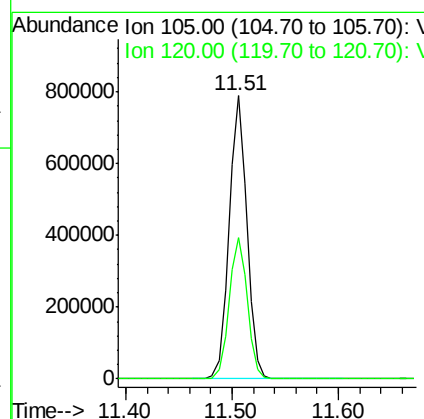
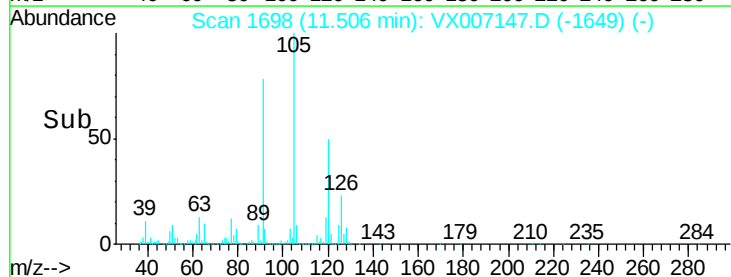
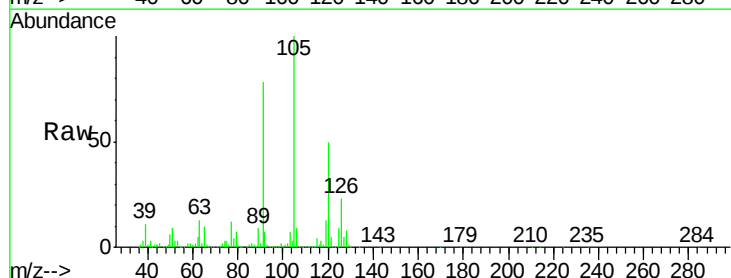
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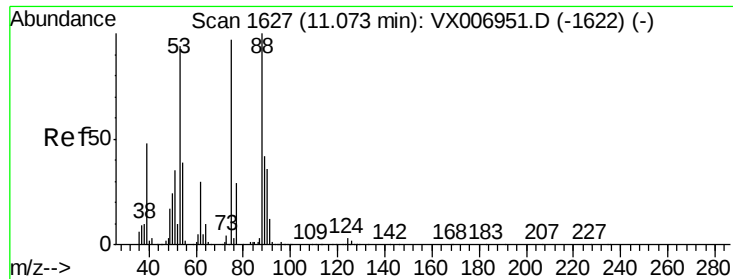
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#80
1,3,5-Trimethylbenzene
Concen: 48.817 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion: 105 Resp: 919748
Ion Ratio Lower Upper
105 100
120 50.9 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 43.555 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 92389

Ion Ratio Lower Upper

75 100

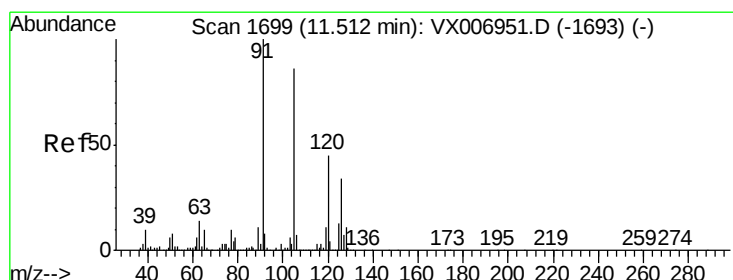
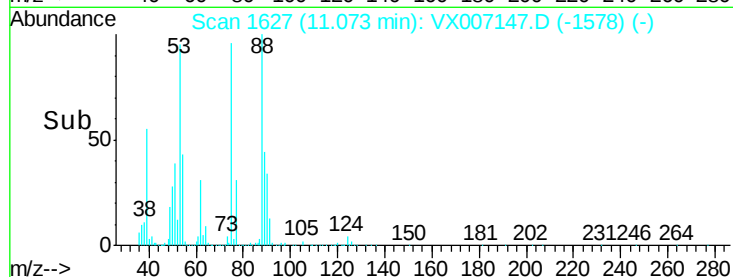
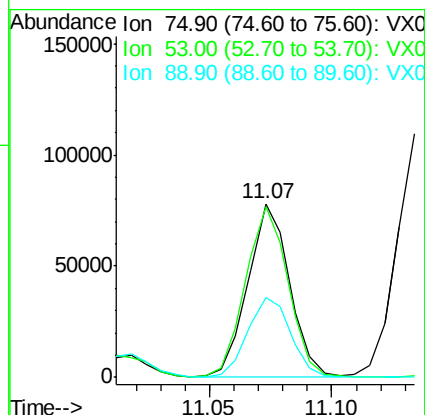
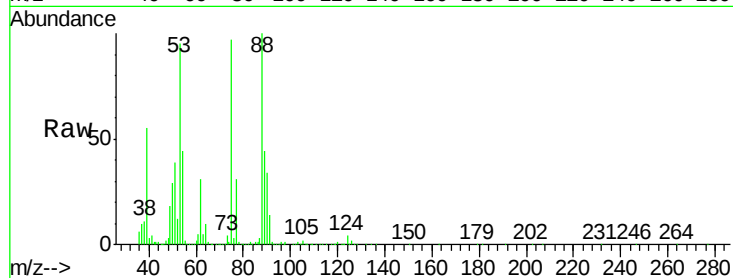
53 100.6 79.7 119.5

89 47.7 38.0 57.0

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#82

4-Chlorotoluene

Concen: 49.232 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007147.D

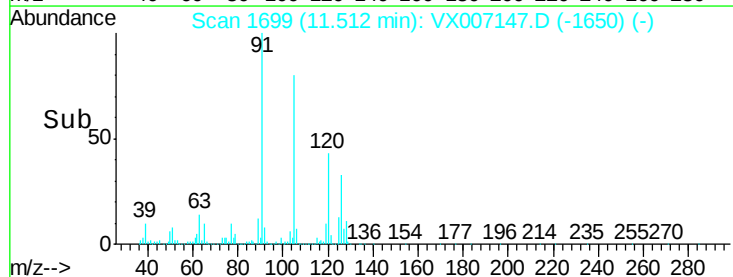
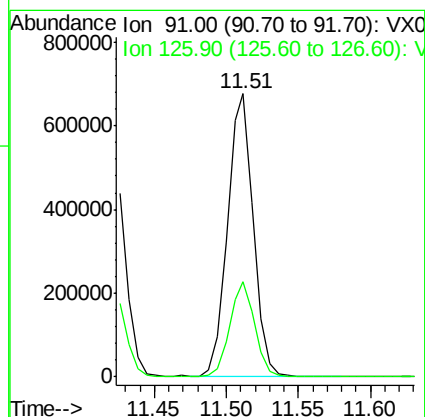
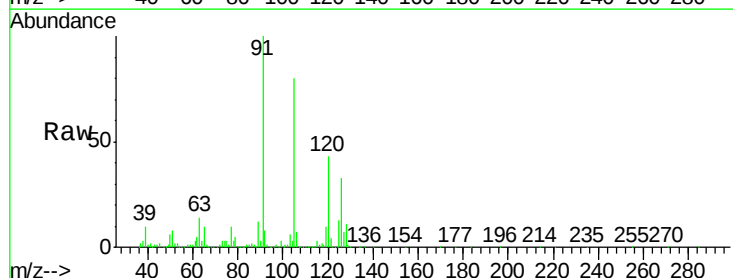
Acq: 18 Jan 2019 20:41

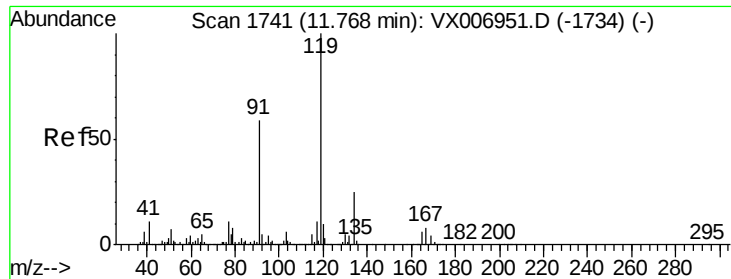
Tgt Ion: 91 Resp: 849370

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





#83

tert-Butylbenzene

Concen: 49.957 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

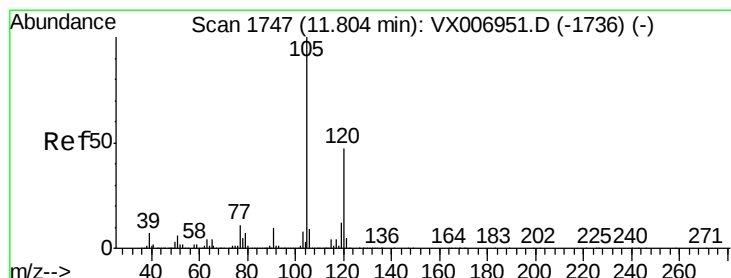
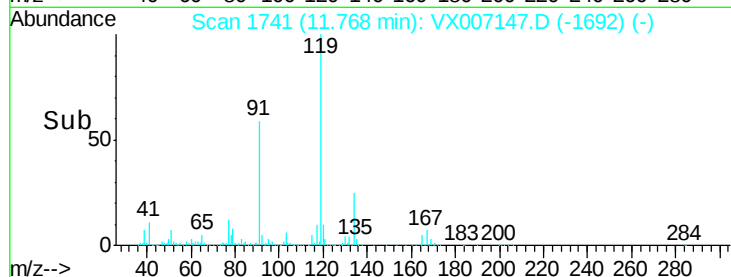
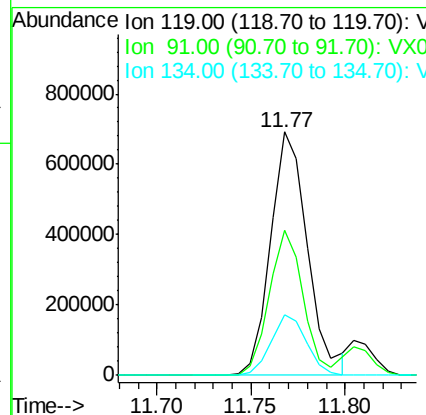
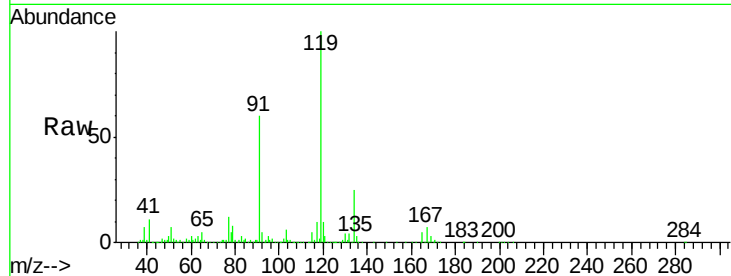
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	939084
Ion Ratio	Lower	Upper	
119	100		
91	54.9	27.7	83.1
134	23.7	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 49.931 ug/l

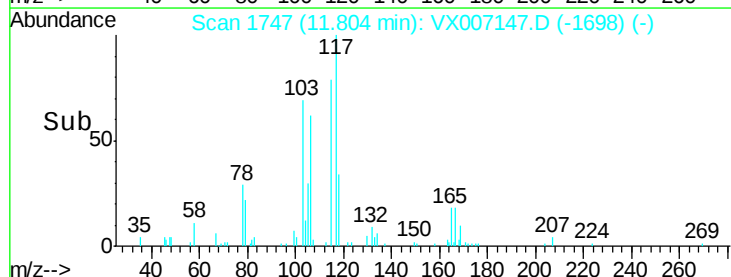
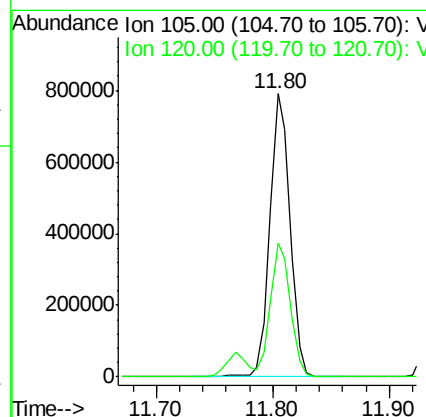
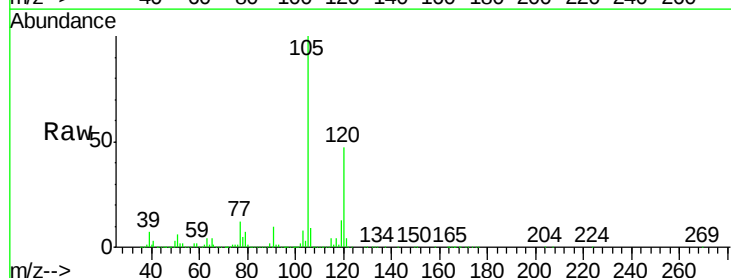
RT: 11.80 min Scan# 1747

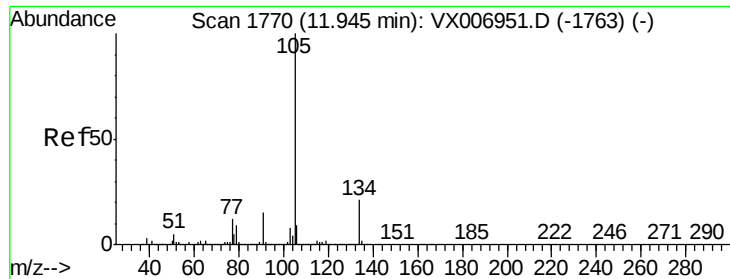
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion:	105	Resp:	945989
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 50.037 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 1123321

Ion Ratio Lower Upper

105 100

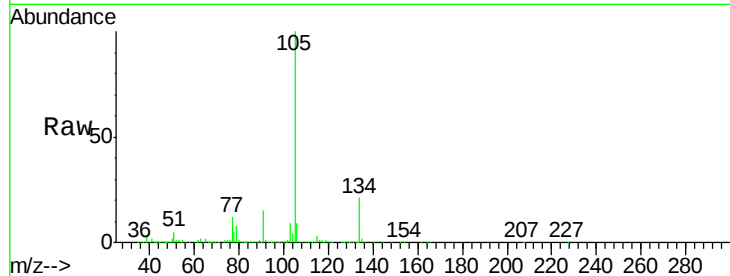
134 21.1 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

800000

600000

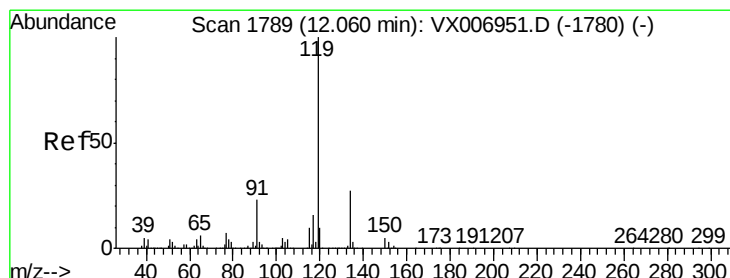
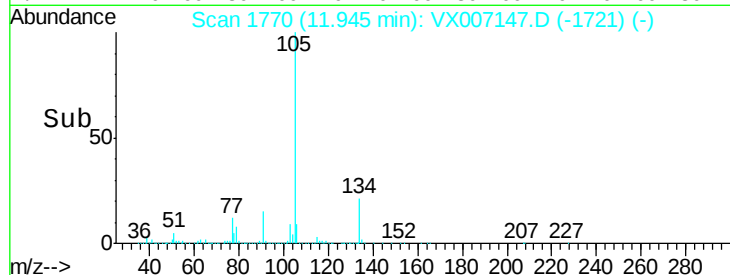
400000

200000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 49.991 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

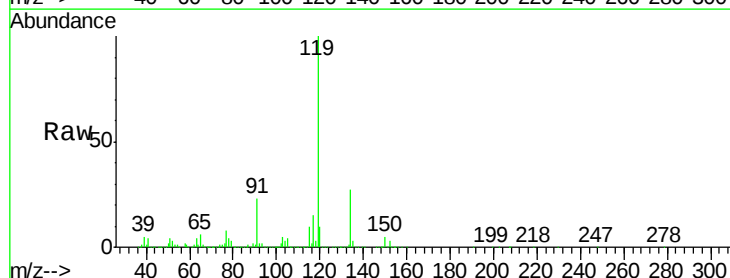
Tgt Ion:119 Resp: 1003860

Ion Ratio Lower Upper

119 100

134 27.6 14.0 41.9

91 22.5 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

800000

600000

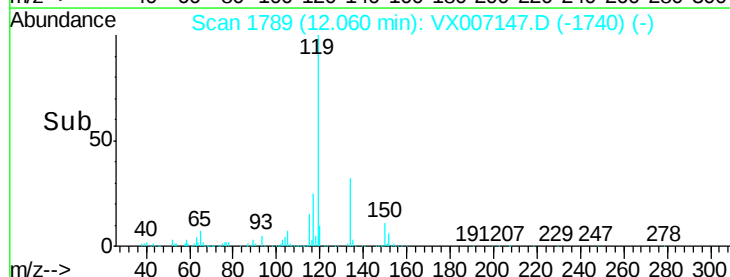
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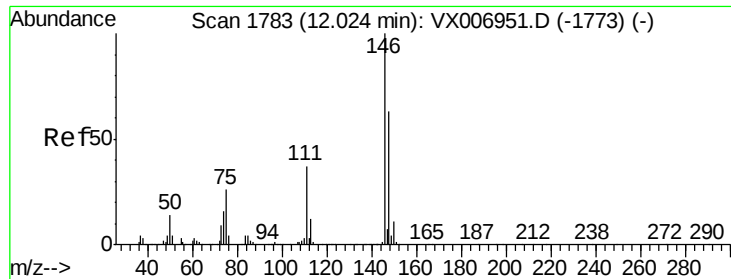
200000

0

12.00 12.10

Time-->





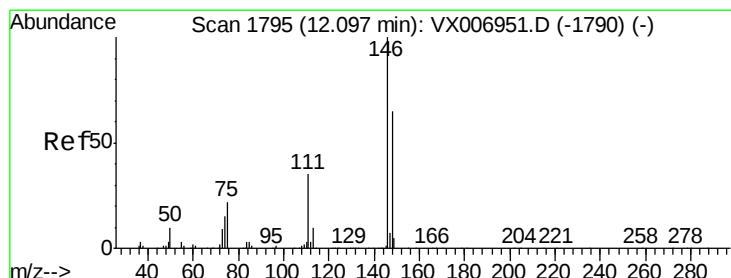
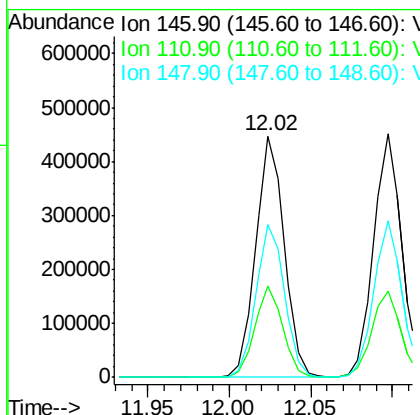
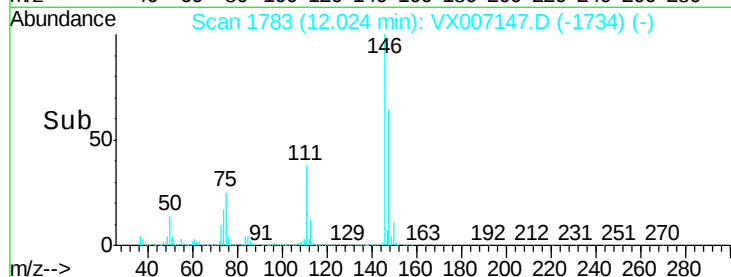
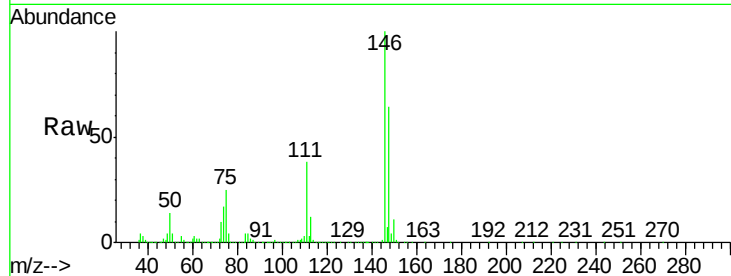
#87
 1,3-Dichlorobenzene
 Concen: 48.315 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.6	31.8	95.3

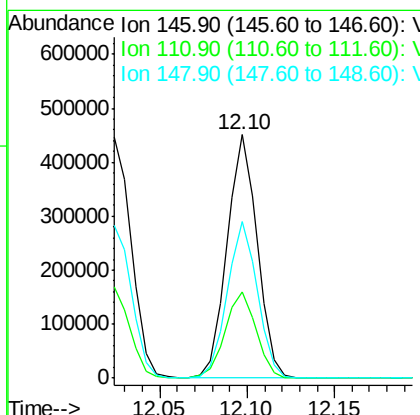
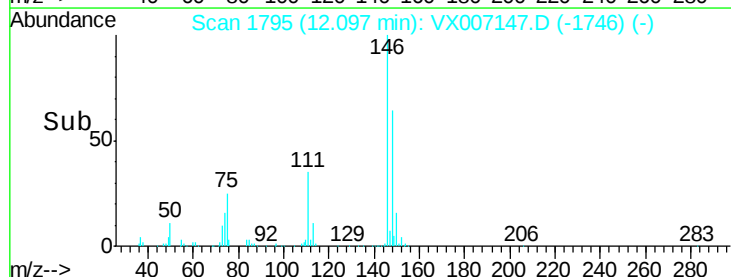
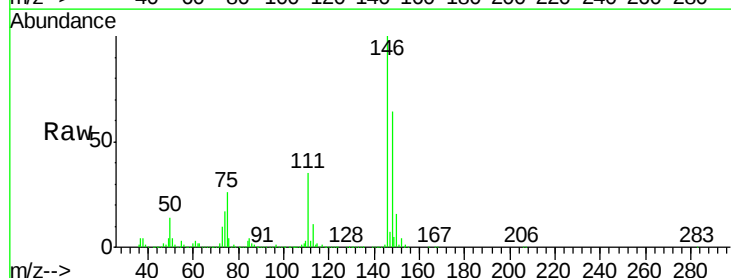
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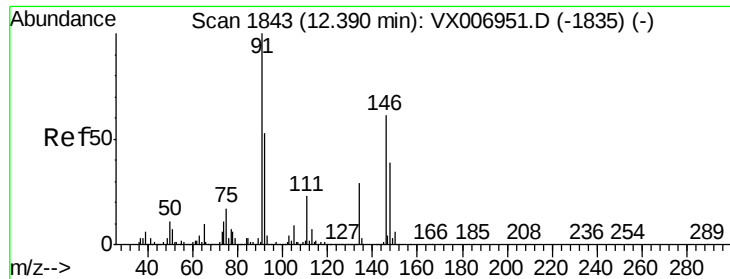
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#88
 1,4-Dichlorobenzene
 Concen: 50.887 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.4	31.9	95.9





#89

n-Butylbenzene

Concen: 50.023 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Instrument :

MSVOA_X

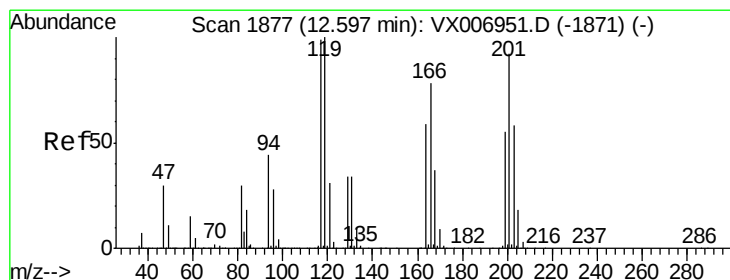
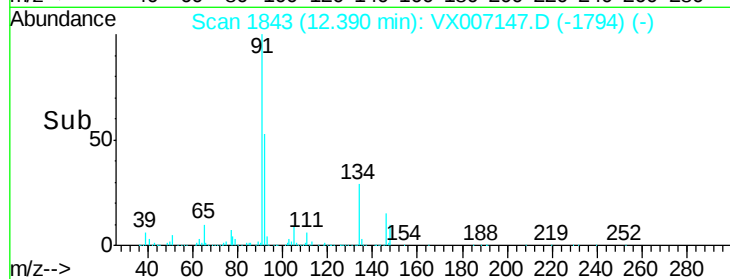
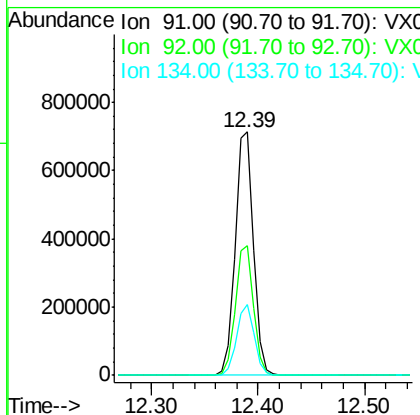
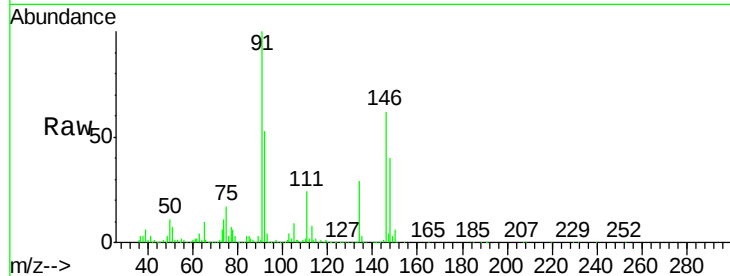
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	856305
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.8	80.4
134	28.2	14.4	43.2

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#90

Hexachloroethane

Concen: 47.238 ug/l

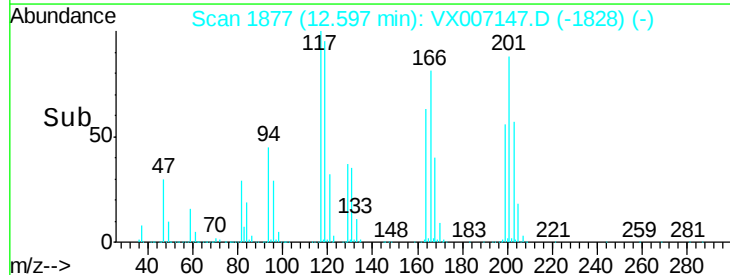
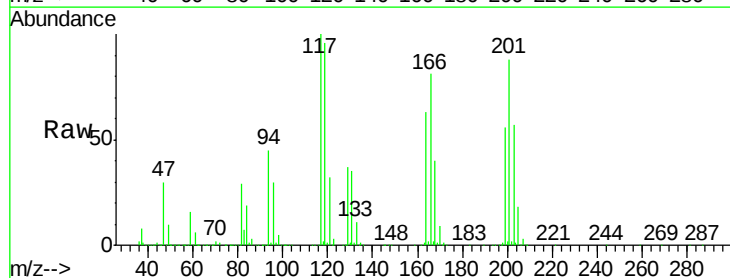
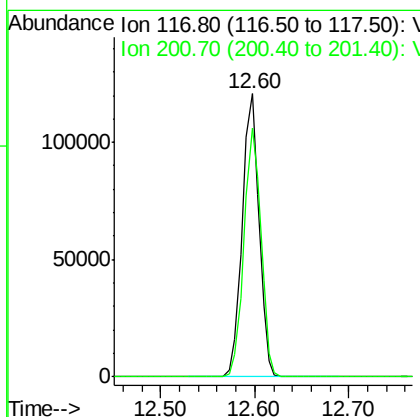
RT: 12.60 min Scan# 1877

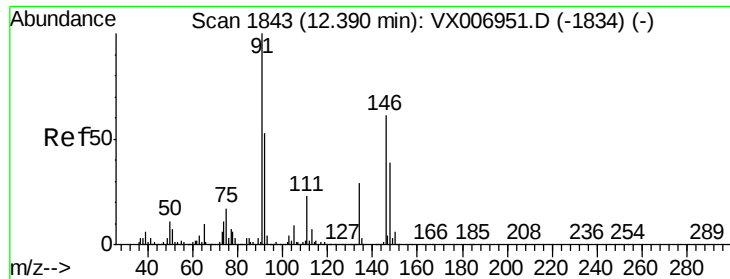
Delta R.T. 0.00 min

Lab File: VX007147.D

Acq: 18 Jan 2019 20:41

Tgt Ion:	117	Resp:	150886
Ion Ratio	Lower	Upper	
117	100		
201	88.7	42.9	128.7





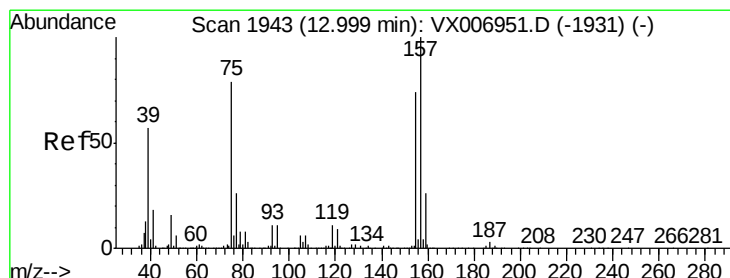
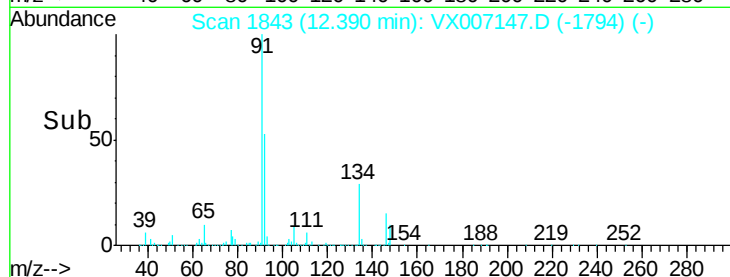
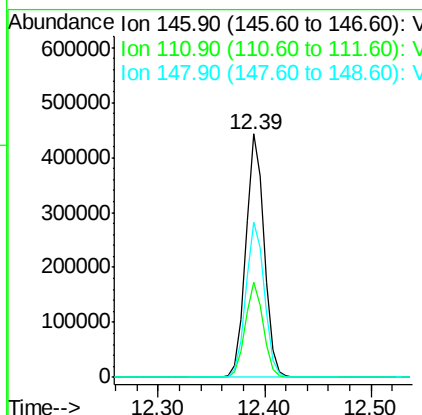
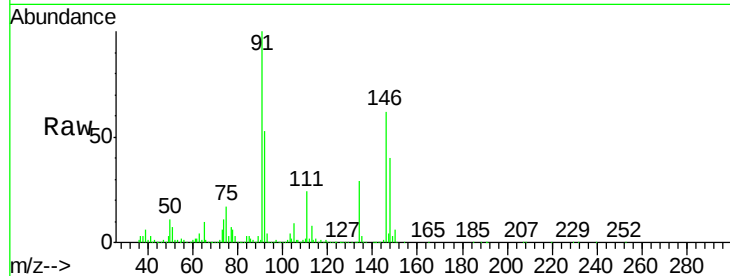
#91
 1,2-Dichlorobenzene
 Concen: 48.366 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.5	32.3	96.9

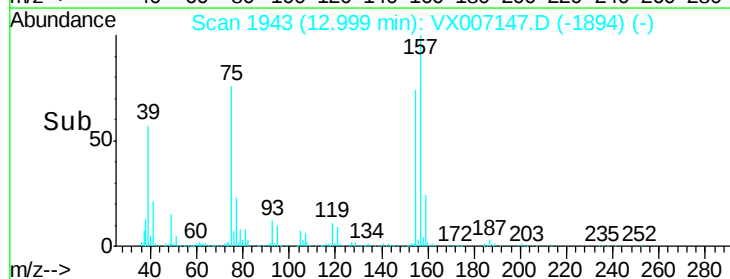
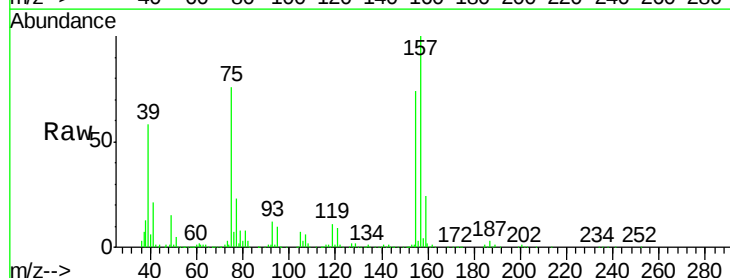
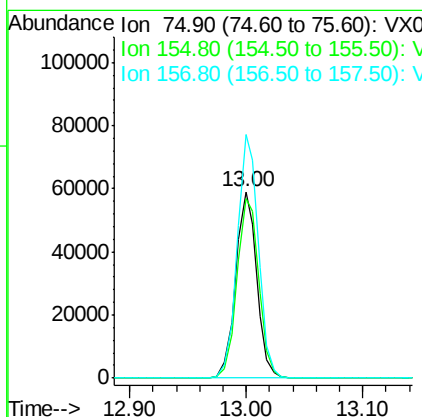
Manual Integrations
 APPROVED

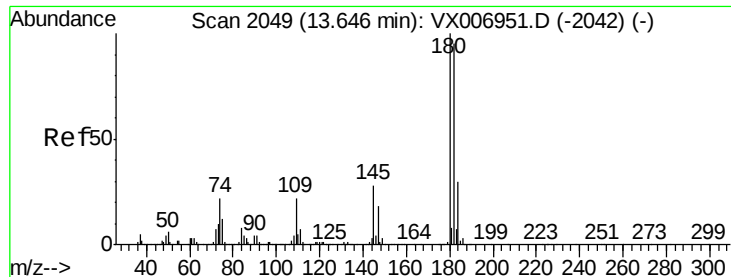
MMDadoda
 1/21/2019 11:00:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.436 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	50.6	151.8
157	130.6	64.6	193.8





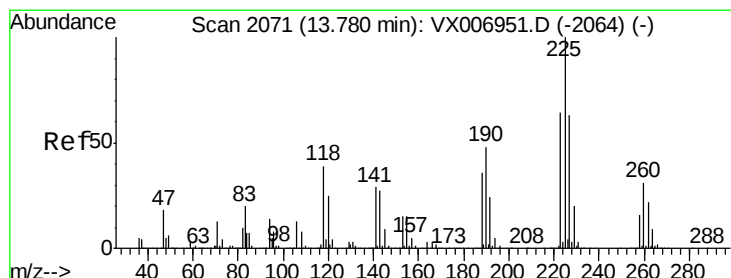
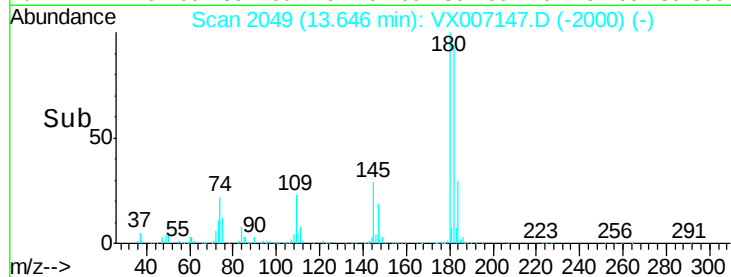
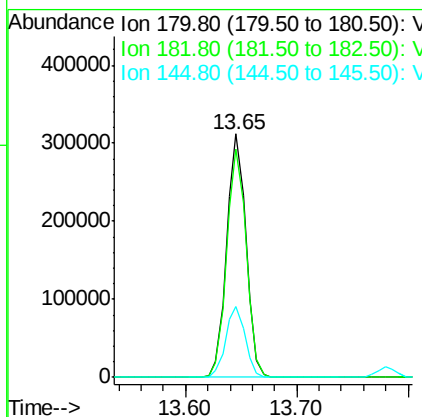
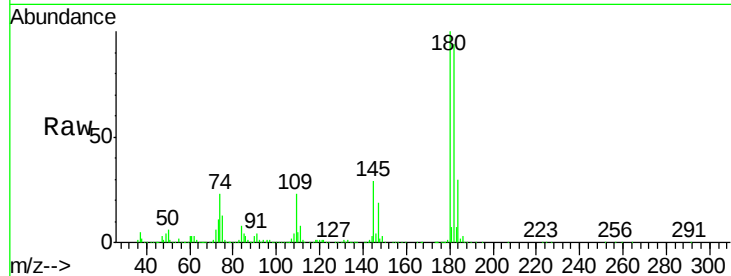
#93
 1,2,4-Trichlorobenzene
 Concen: 49.254 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	29.3	14.8	44.3

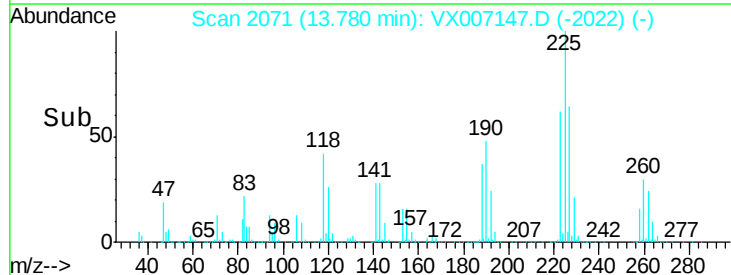
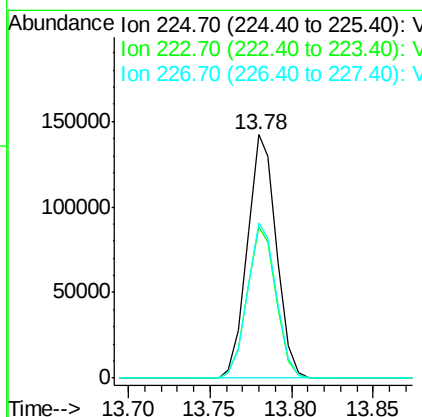
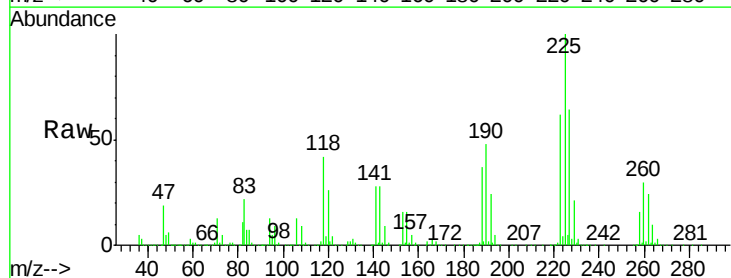
Manual Integrations
 APPROVED

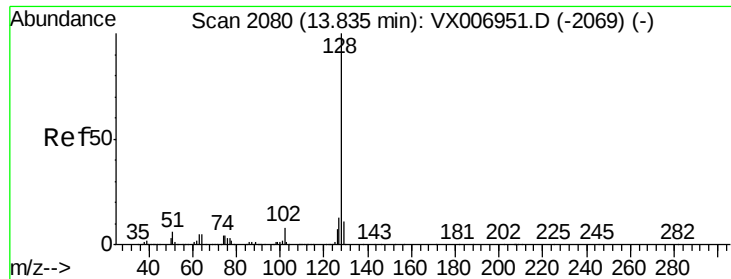
MMDadoda
 1/21/2019 11:00:08 AM



#94
 Hexachlorobutadiene
 Concen: 52.094 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007147.D
 Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.1	96.3
227	63.3	32.3	96.8





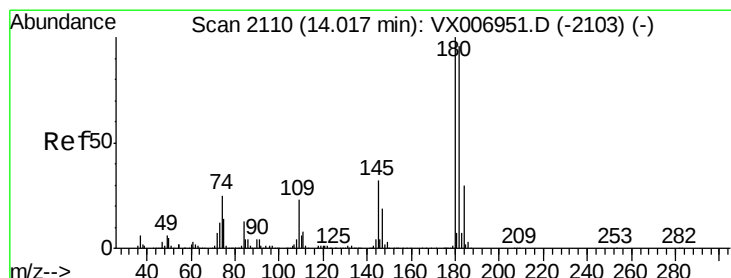
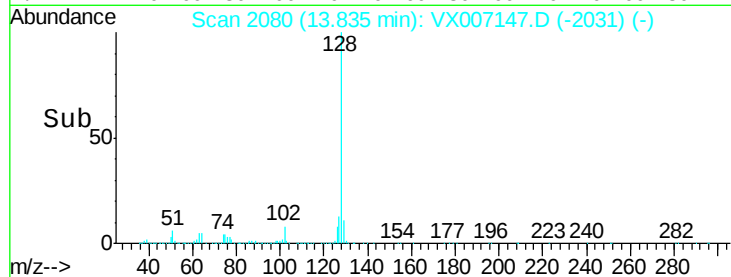
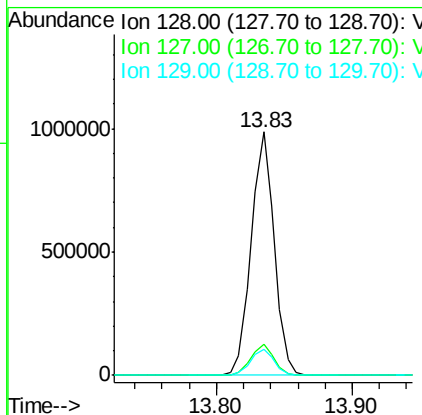
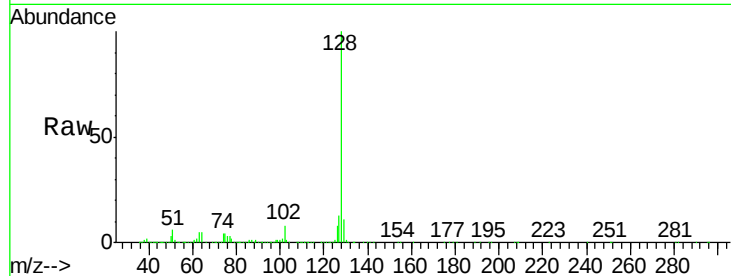
#95
Naphthalene
Concen: 51.002 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/21/2019 11:00:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.256 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007147.D
Acq: 18 Jan 2019 20:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.5	145.5
145	30.8	16.0	47.9

