

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011619\
 Data File : VX007067.D
 Acq On : 16 Jan 2019 10:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:09:43 AM

Quant Time: Jan 17 00:02:56 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	5.66	168	601957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	868608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	793866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	421020	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	286142	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
35) Dibromofluoromethane	5.50	113	266109	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	8.71	98	1009559	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	362191	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	269528	54.524	ug/l	100
3) Chloromethane	1.32	50	291017	50.571	ug/l	98
4) Vinyl Chloride	1.41	62	317643	51.314	ug/l	99
5) Bromomethane	1.64	94	319213	48.266	ug/l	99
6) Chloroethane	1.71	64	201729	46.672	ug/l	95
7) Trichlorofluoromethane	1.92	101	512250	51.215	ug/l	98
8) Diethyl Ether	2.19	74	196398	49.356	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	311202	51.970	ug/l	99
10) Methyl Iodide	2.51	142	456326	56.494	ug/l	100
11) Tert butyl alcohol	3.08	59	348702	234.975	ug/l	98
12) 1,1-Dichloroethene	2.37	96	279773	50.569	ug/l	96
13) Acrolein	2.29	56	163285	255.060	ug/l	99
14) Allyl chloride	2.73	41	484055	51.052	ug/l	99
15) Acrylonitrile	3.15	53	850950	249.786	ug/l	100
16) Acetone	2.45	43	793867	255.258	ug/l	99
17) Carbon Disulfide	2.57	76	675257	47.407	ug/l	99
18) Methyl Acetate	2.78	43	456992	50.740	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	964516	50.229	ug/l	99
20) Methylene Chloride	2.85	84	310157	52.460	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	299035	48.503	ug/l	99
22) Diisopropyl ether	3.87	45	909726	51.036	ug/l	96
23) Vinyl Acetate	3.82	43	3791956	252.252	ug/l	100
24) 1,1-Dichloroethane	3.70	63	530245	53.199	ug/l	99
25) 2-Butanone	4.70	43	1121695	252.064	ug/l	98
26) 2,2-Dichloropropane	4.59	77	412366	53.803	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	331394	48.731	ug/l	97
28) Bromochloromethane	5.02	49	207638	47.548	ug/l	96
29) Tetrahydrofuran	5.15	42	706916	244.441	ug/l	98
30) Chloroform	5.21	83	532086	50.987	ug/l	99
31) Cyclohexane	5.57	56	449314	50.648	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	457931	51.771	ug/l	98
36) 1,1-Dichloropropene	5.79	75	390415	51.698	ug/l	100
37) Ethyl Acetate	4.85	43	412741	50.979	ug/l	99
38) Carbon Tetrachloride	5.78	117	410056	53.969	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	509305	52.901	ug/l	95
40) Benzene	6.14	78	1181136	51.258	ug/l	99
41) Methacrylonitrile	5.06	41	230209	49.358	ug/l	98
42) 1,2-Dichloroethane	6.20	62	400063	50.242	ug/l	100
43) Isopropyl Acetate	6.46	43	678107	53.099	ug/l	98
44) Trichloroethene	7.21	130	352649	51.071	ug/l	97
45) 1,2-Dichloropropane	7.51	63	302188	52.164	ug/l	98
46) Dibromomethane	7.66	93	214263	52.627	ug/l	98
47) Bromodichloromethane	7.90	83	384797	55.525	ug/l	96
48) Methyl methacrylate	7.77	41	342516	52.227	ug/l	97
49) 1,4-Dioxane	7.75	88	155255	1036.936	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2168841	264.259	ug/l	100
52) Toluene	8.78	92	783577	52.907	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	442856	57.629	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	481669	56.758	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	324537	54.746	ug/l	99
56) Ethyl methacrylate	9.18	69	475834	54.983	ug/l	96
57) 1,3-Dichloropropane	9.37	76	515804	53.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1148600	258.134	ug/l	99
59) 2-Hexanone	9.49	43	1681712	268.885	ug/l	99
60) Dibromochloromethane	9.59	129	345276	59.982	ug/l	98
61) 1,2-Dibromoethane	9.67	107	352671	54.039	ug/l	99
64) Tetrachloroethene	9.34	164	360238	52.413	ug/l	96
65) Chlorobenzene	10.14	112	908547	52.473	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	333772	57.303	ug/l	98
67) Ethyl Benzene	10.25	91	1528927	53.488	ug/l	99
68) m/p-Xylenes	10.36	106	1215098	107.896	ug/l	99
69) o-Xylene	10.70	106	587904	53.528	ug/l	97
70) Styrene	10.71	104	952481	54.756	ug/l	99
71) Bromoform	10.86	173	261718	50.202	ug/l	100
73) Isopropylbenzene	11.02	105	1585053	53.391	ug/l	98
74) N-amyl acetate	10.90	43	609319	50.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	470925	49.966	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	442375m	51.850	ug/l	
77) Bromobenzene	11.26	156	420031	51.348	ug/l	100
78) n-propylbenzene	11.36	91	1778762	54.579	ug/l	99
79) 2-Chlorotoluene	11.42	91	1019235	51.953	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1311465	52.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	139421	49.368	ug/l	98
82) 4-Chlorotoluene	11.51	91	1207126	53.142	ug/l	100
83) tert-Butylbenzene	11.77	119	1327936	53.654	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1334874	53.513	ug/l	99
85) sec-Butylbenzene	11.94	105	1618661	54.762	ug/l	100
86) p-Isopropyltoluene	12.07	119	1441990	54.540	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	765399	51.767	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	770231	54.967	ug/l	100
89) n-Butylbenzene	12.39	91	1278658	56.733	ug/l	99
90) Hexachloroethane	12.60	117	226522	53.455	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	758317	51.971	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	98741	52.972	ug/l	97

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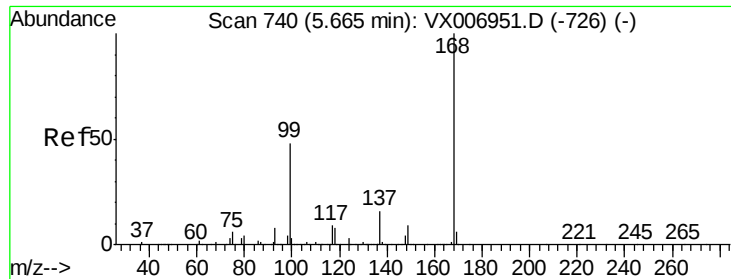
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	549494	54.892	ug/l	99
94) Hexachlorobutadiene	13.78	225	252382	56.813	ug/l	99
95) Naphthalene	13.83	128	1619683	53.395	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	541952	54.499	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 601957

Ion Ratio Lower Upper

168 100

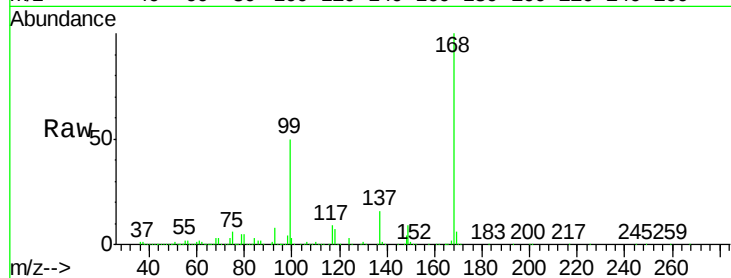
99 49.4 41.8 62.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

50000

0

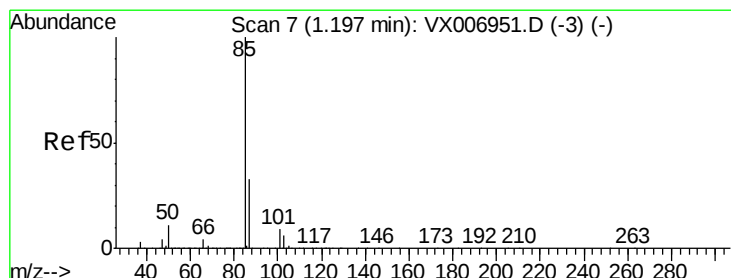
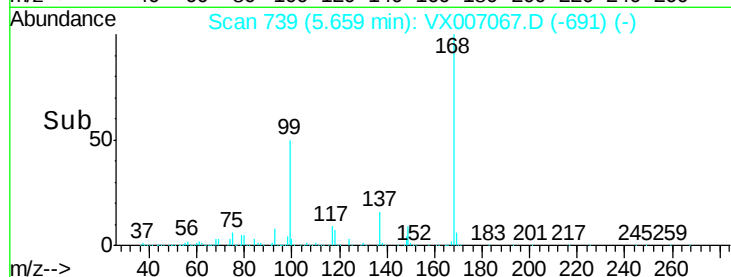
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 54.524 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007067.D

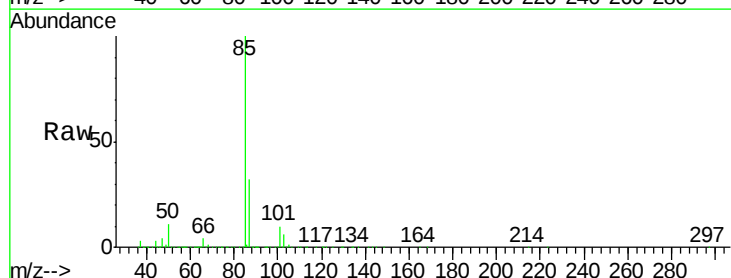
Acq: 16 Jan 2019 10:52

Tgt Ion: 85 Resp: 269528

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

100000

50000

0

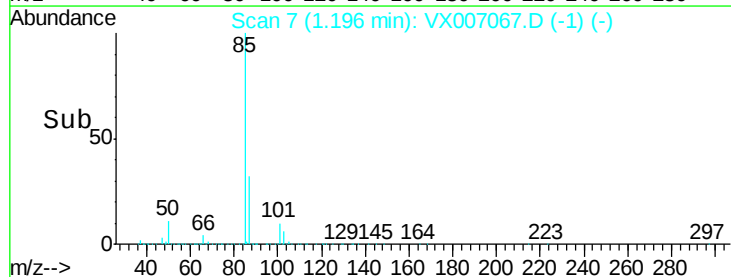
1.15

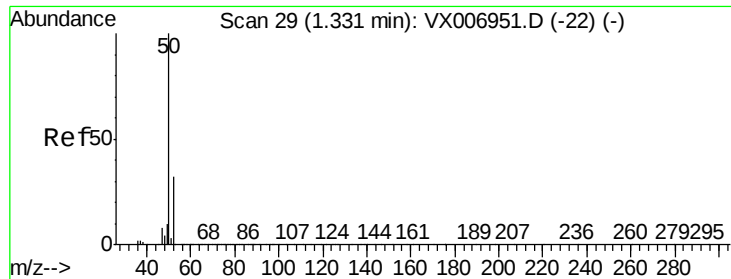
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 50.571 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 291017

Ion Ratio Lower Upper

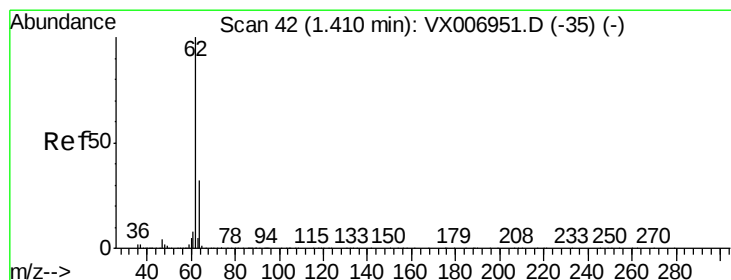
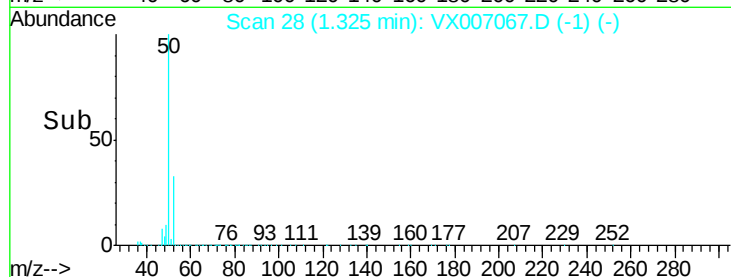
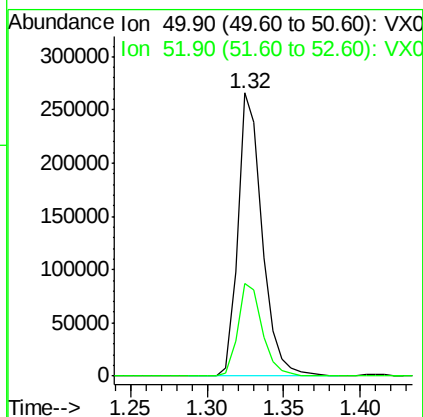
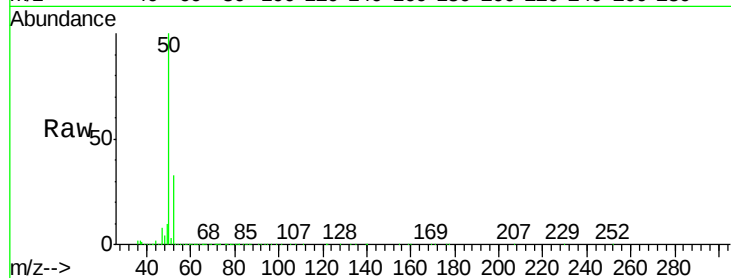
50 100

52 32.6 25.4 38.2

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1/17/2019 9:09:43 AM



#4

Vinyl Chloride

Concen: 51.314 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007067.D

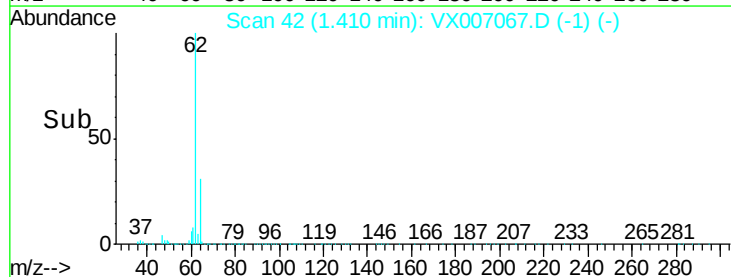
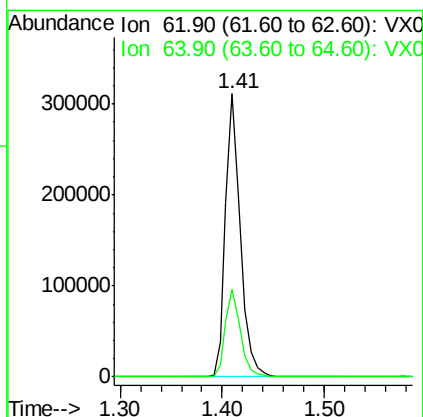
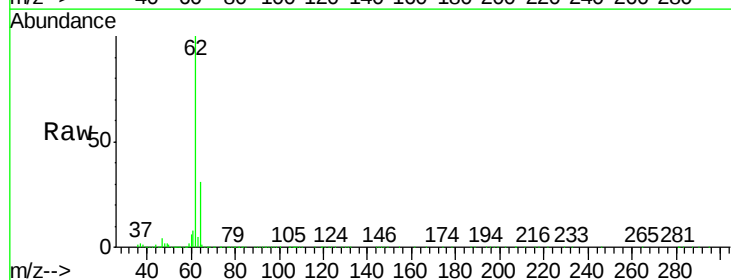
Acq: 16 Jan 2019 10:52

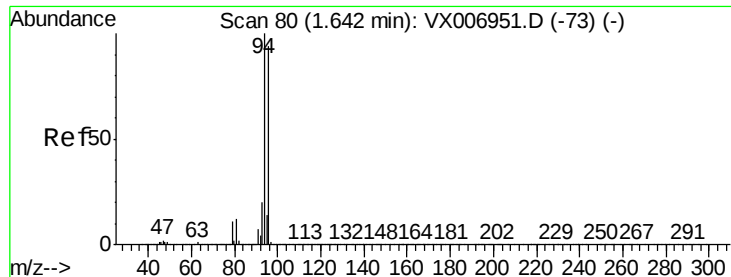
Tgt Ion: 62 Resp: 317643

Ion Ratio Lower Upper

62 100

64 31.0 25.1 37.7





#5

Bromomethane

Concen: 48.266 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 319213

Ion Ratio Lower Upper

94 100

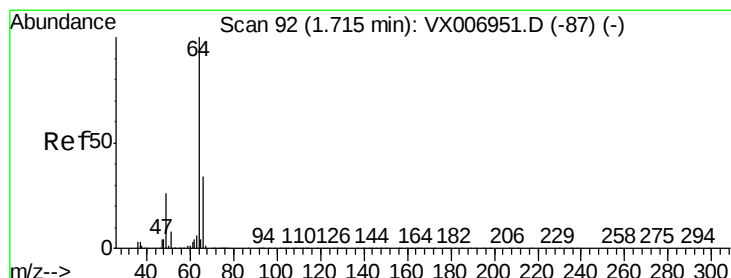
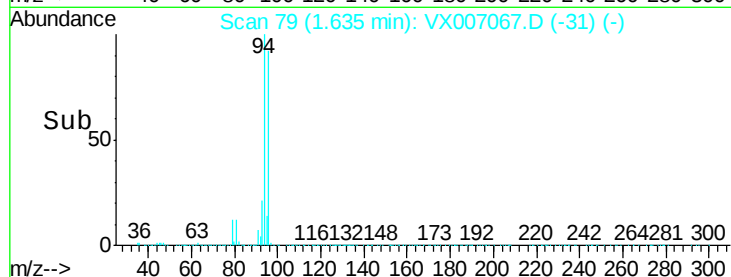
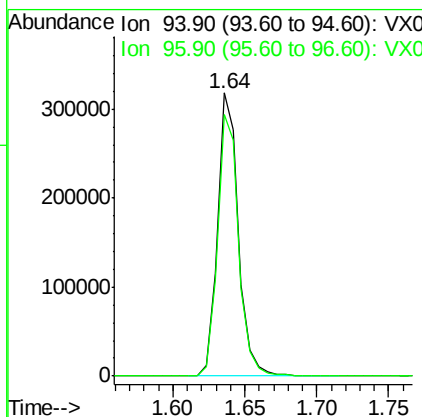
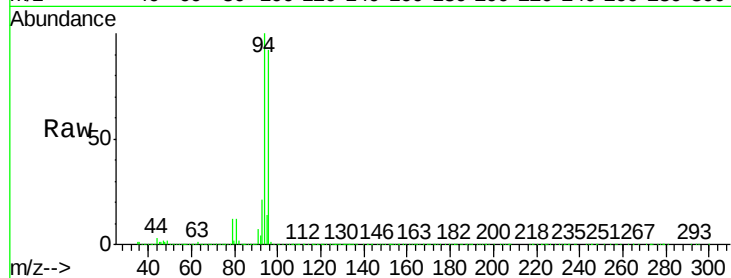
96 92.4 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 46.672 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007067.D

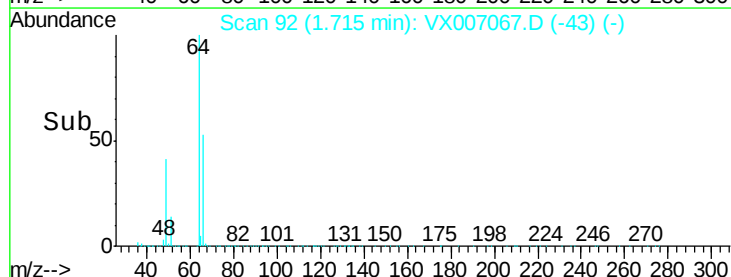
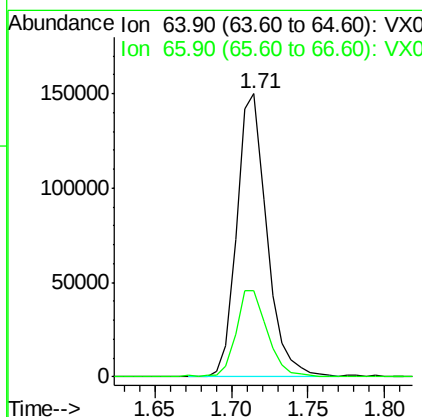
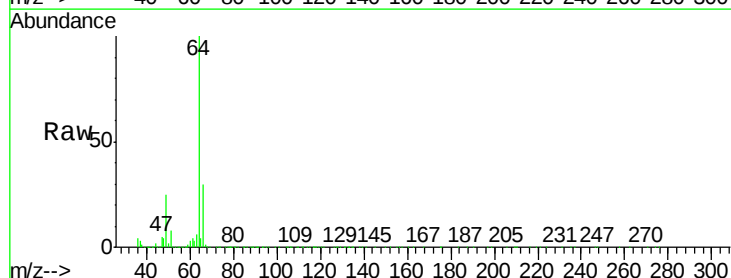
Acq: 16 Jan 2019 10:52

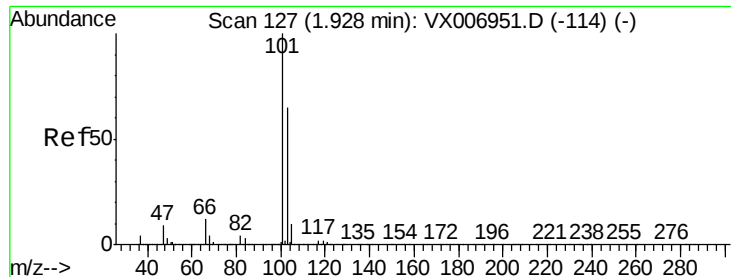
Tgt Ion: 64 Resp: 201729

Ion Ratio Lower Upper

64 100

66 30.4 26.4 39.6





#7

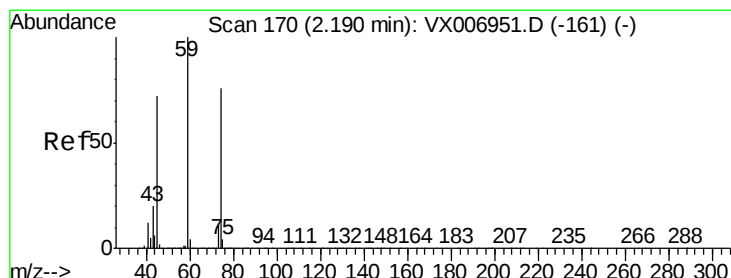
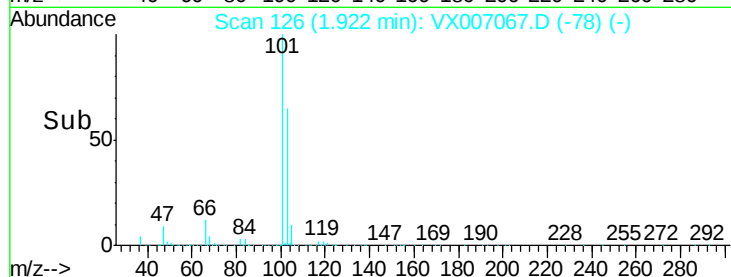
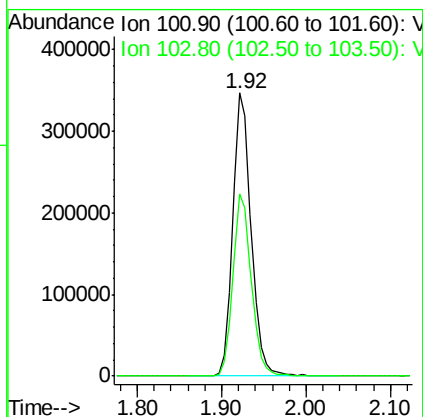
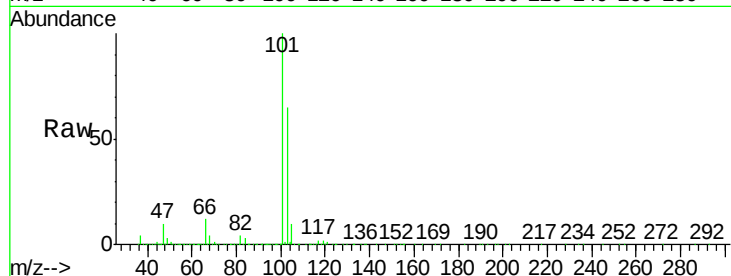
Trichlorofluoromethane
Concen: 51.215 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

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MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.2	79.8

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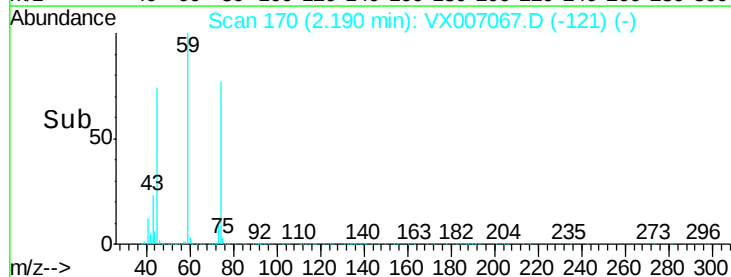
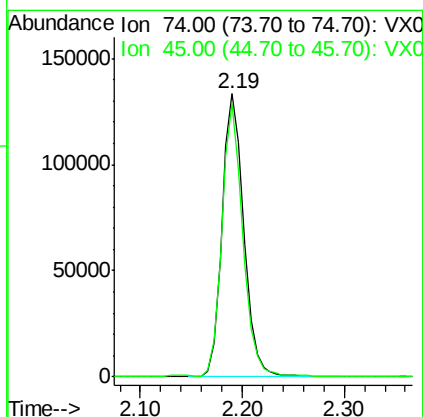
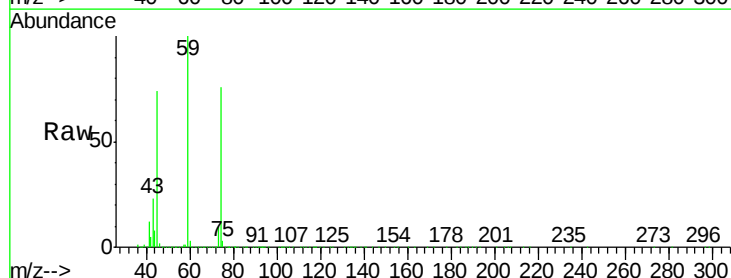
MMDadoda
1/17/2019 9:09:43 AM

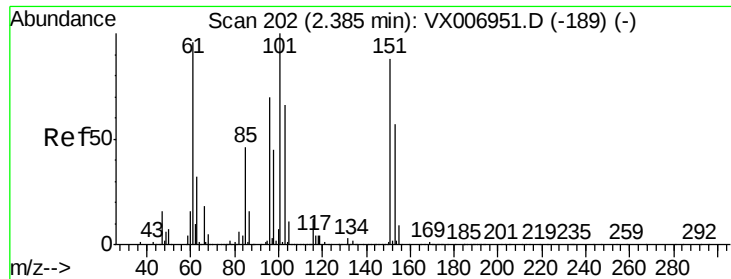


#8

Diethyl Ether
Concen: 49.356 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.970 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

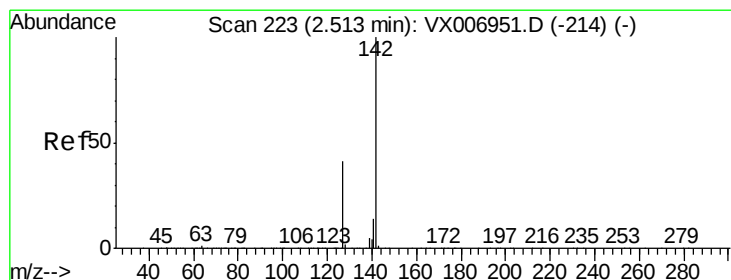
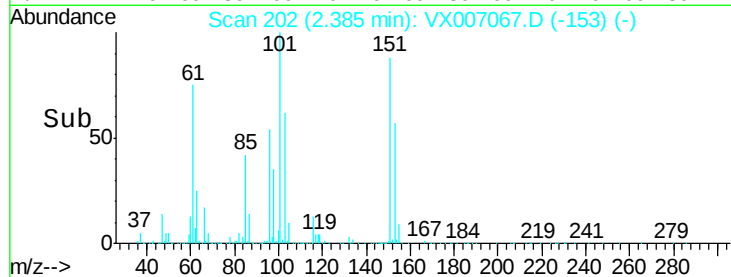
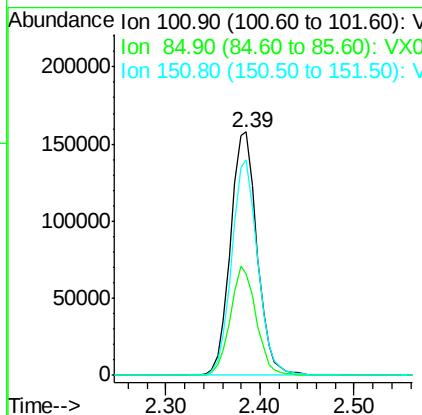
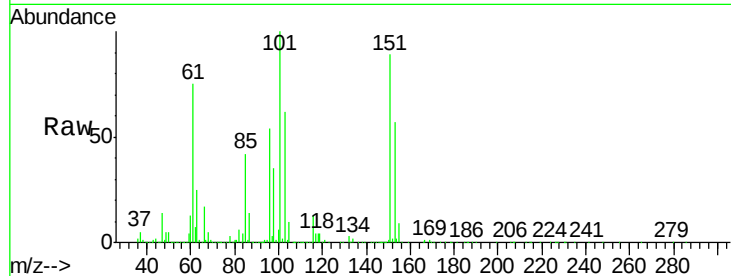
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	311202
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.1	52.7
151	86.6	68.9	103.3

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#10

Methyl Iodide

Concen: 56.494 ug/l

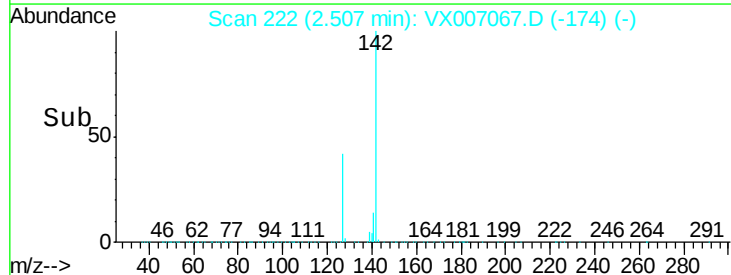
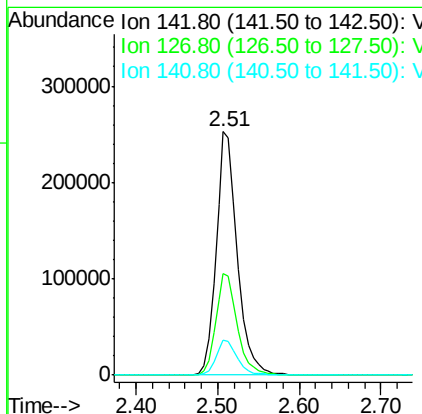
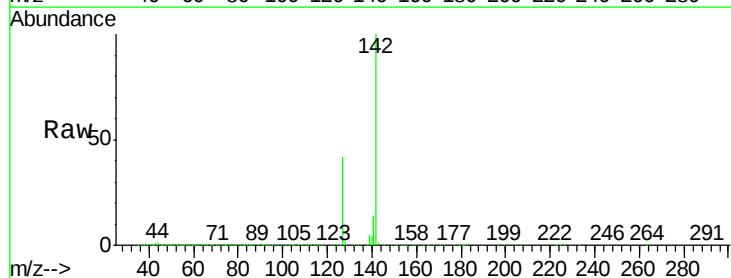
RT: 2.51 min Scan# 222

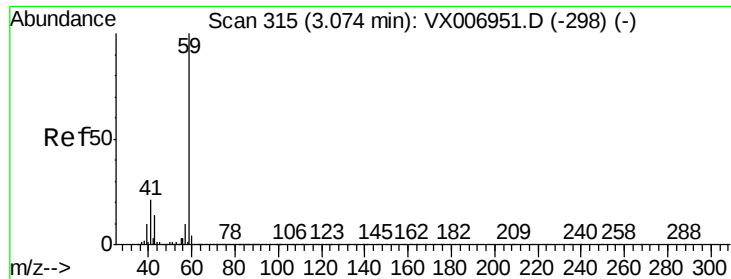
Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	142	Resp:	456326
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.9	50.9
141	14.4	11.4	17.0





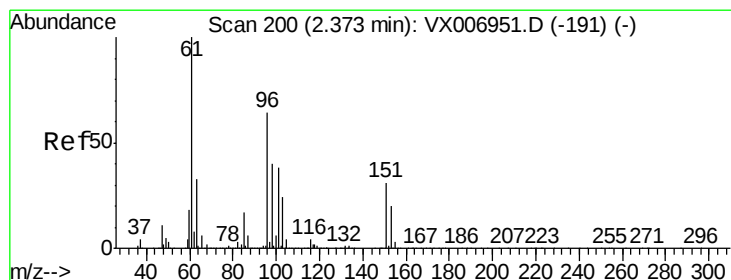
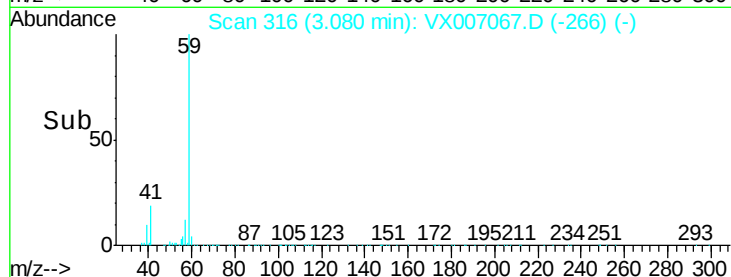
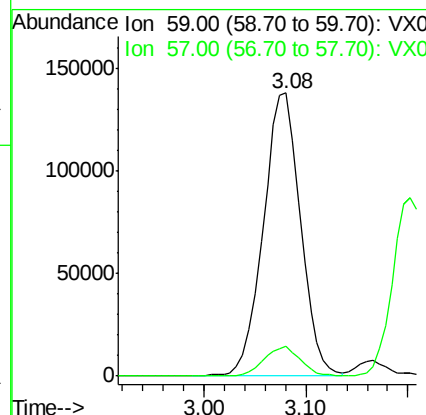
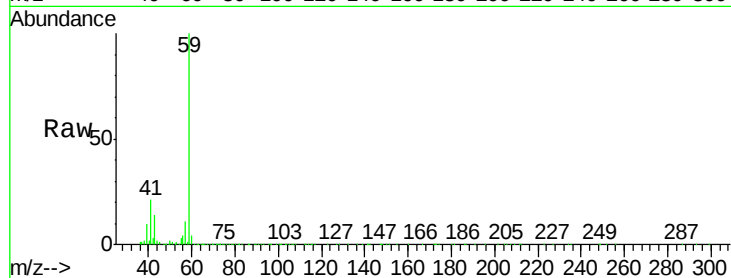
#11
Tert butyl alcohol
Concen: 234.975 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 348702
Ion Ratio Lower Upper
59 100
57 10.0 8.5 12.7

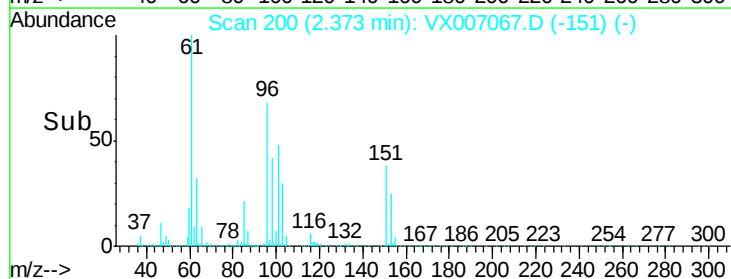
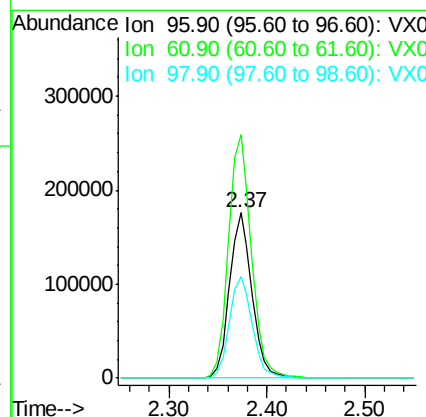
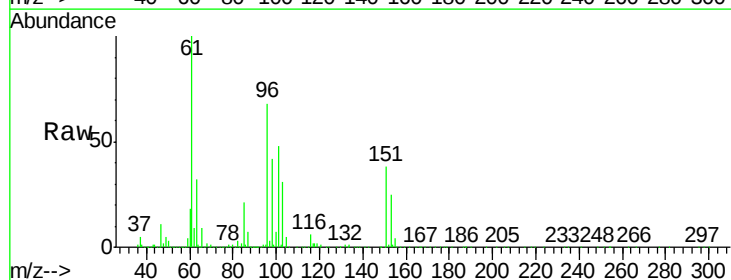
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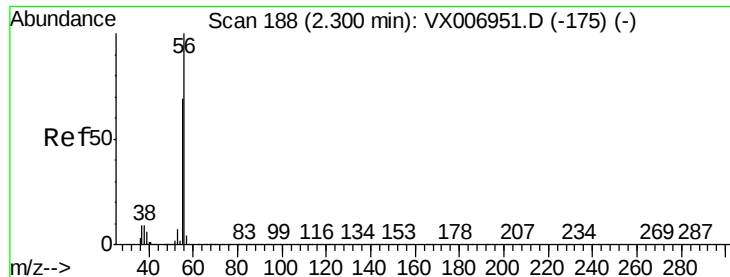
MMDadoda
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#12
1,1-Dichloroethene
Concen: 50.569 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion: 96 Resp: 279773
Ion Ratio Lower Upper
96 100
61 147.6 121.4 182.2
98 61.4 51.9 77.9





#13

Acrolein

Concen: 255.060 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 163285

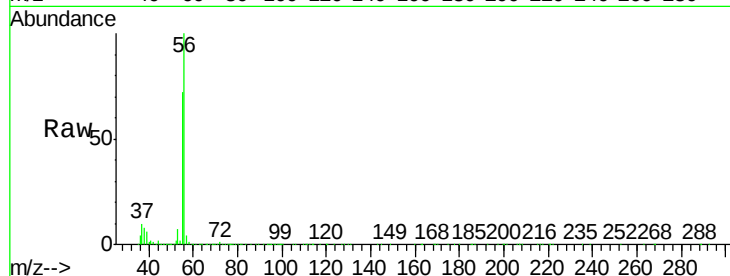
Ion Ratio Lower Upper

56 100

55 73.6 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

2.29

120000

100000

80000

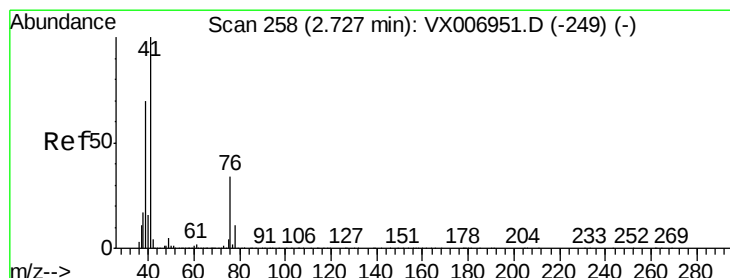
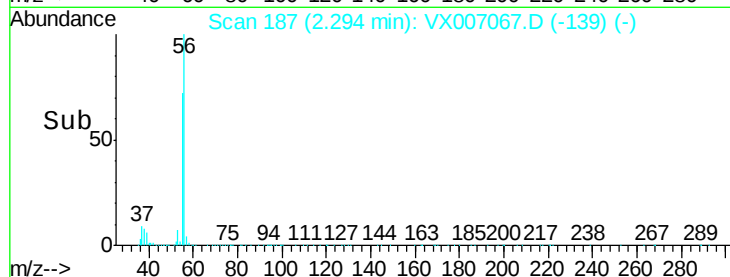
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 51.052 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

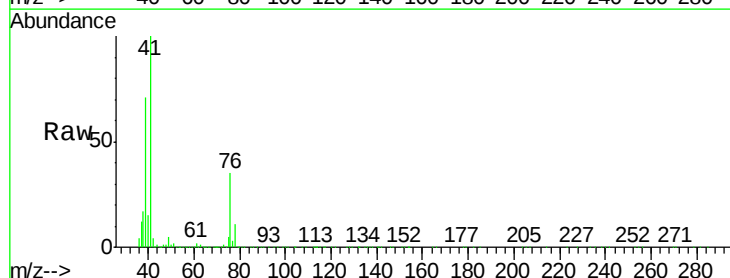
Tgt Ion: 41 Resp: 484055

Ion Ratio Lower Upper

41 100

39 67.9 53.6 80.4

76 34.0 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

400000

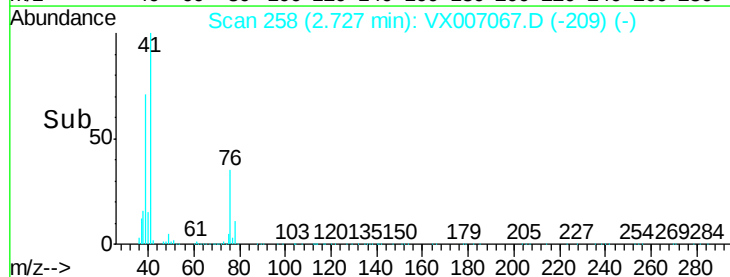
300000

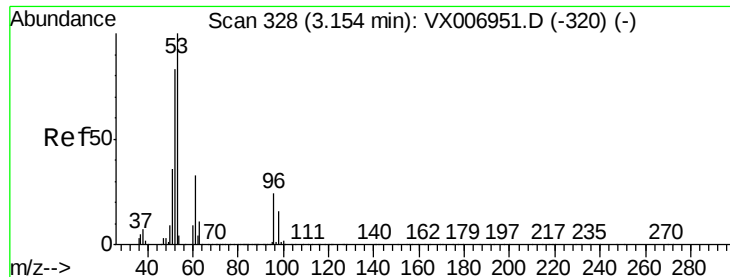
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 249.786 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

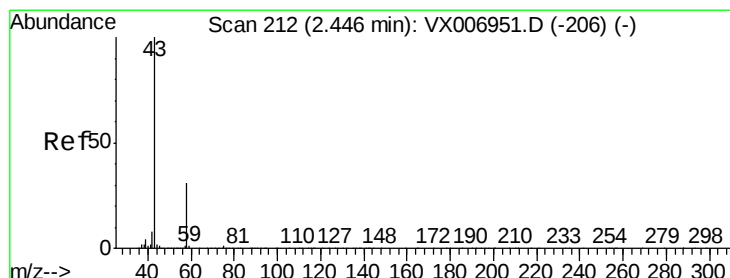
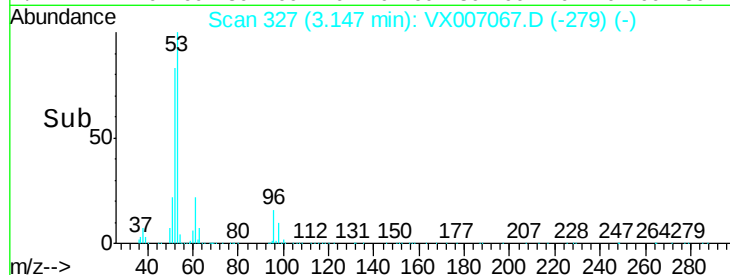
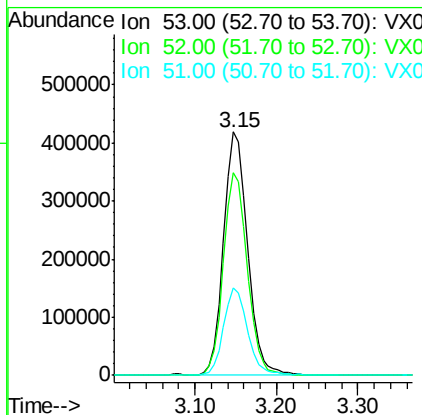
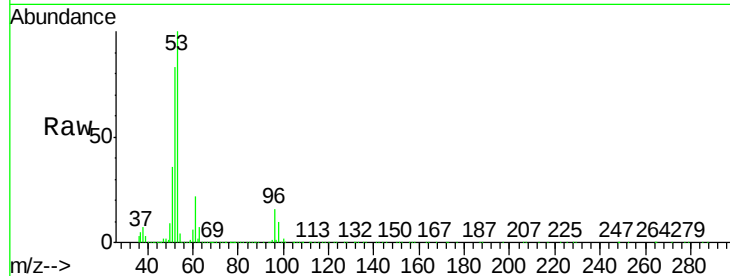
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	850950
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.0	99.0
51	35.9	28.6	42.8

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#16

Acetone

Concen: 255.258 ug/l

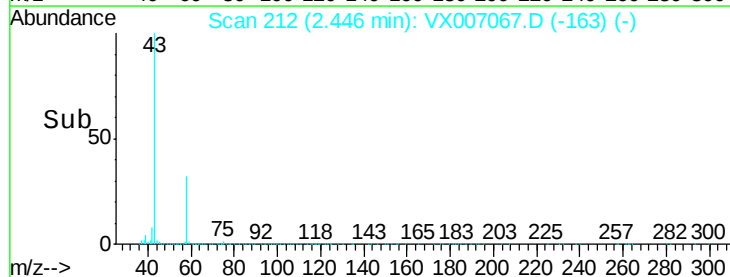
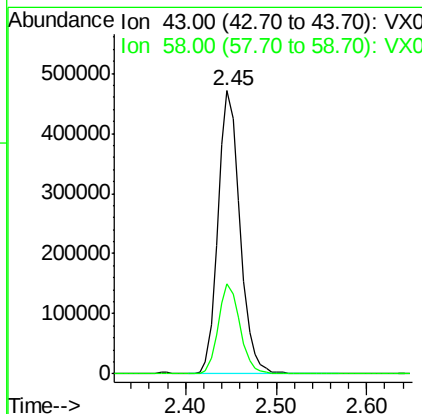
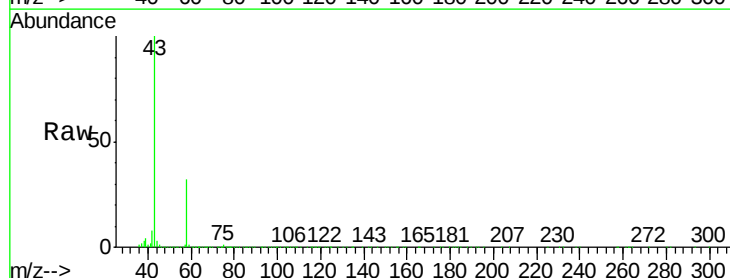
RT: 2.45 min Scan# 212

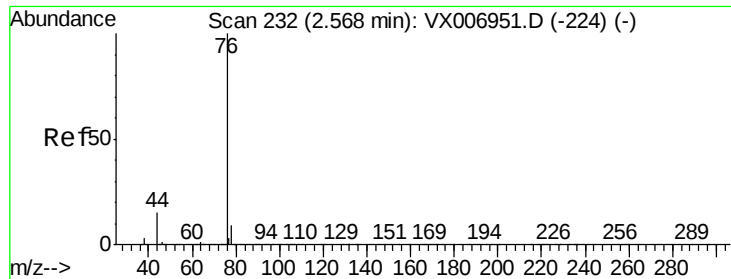
Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	43	Resp:	793867
Ion Ratio	Lower	Upper	
43	100		
58	31.9	25.0	37.6





#17

Carbon Disulfide

Concen: 47.407 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

Instrument :

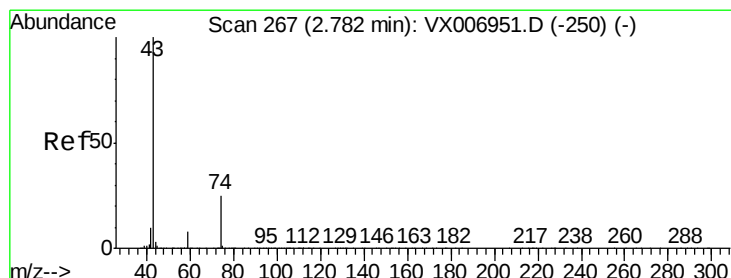
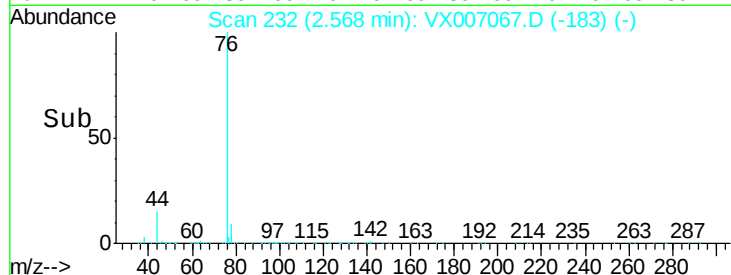
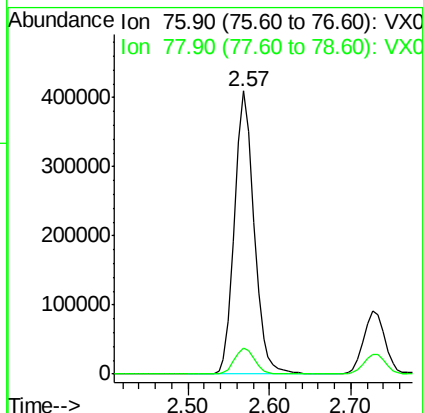
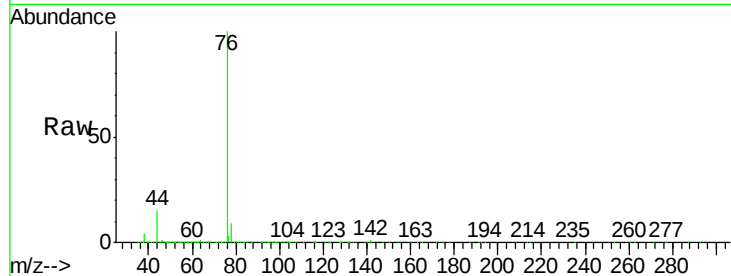
MSVOA_X

ClientSampleId :

VSTDCCC050

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#18

Methyl Acetate

Concen: 50.740 ug/l

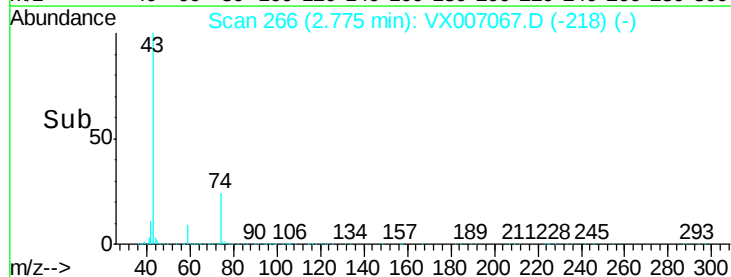
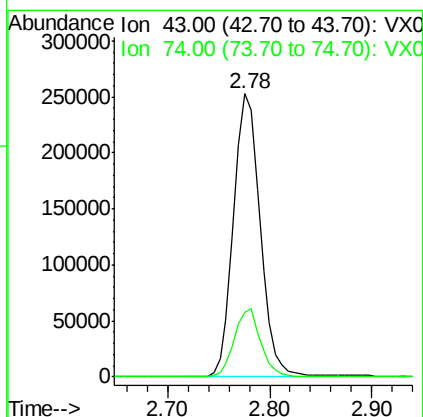
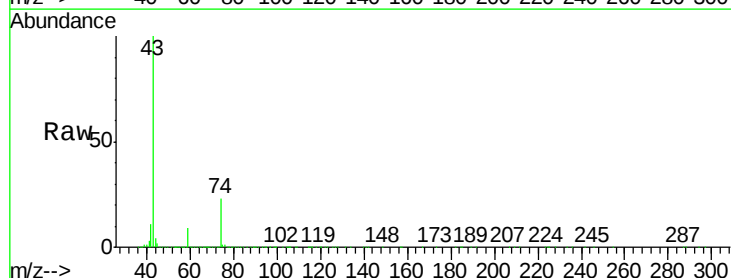
RT: 2.78 min Scan# 266

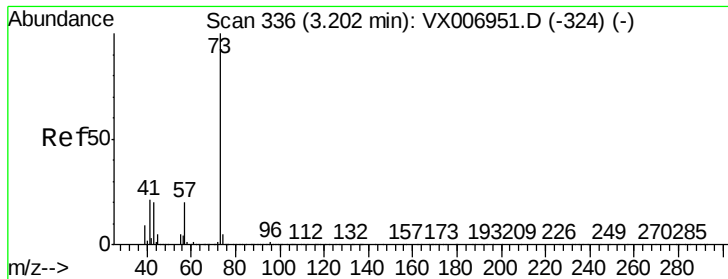
Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.6	28.0





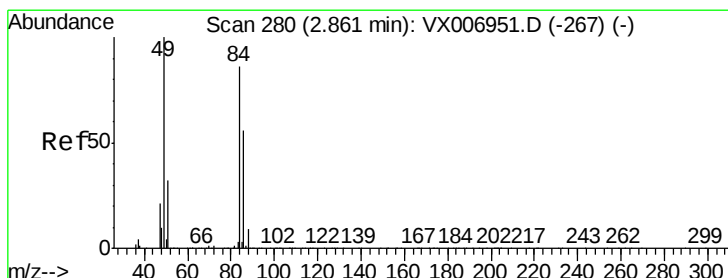
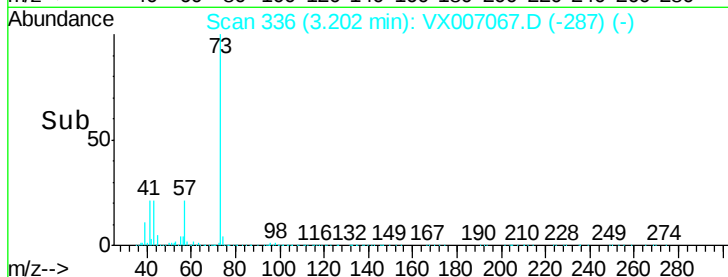
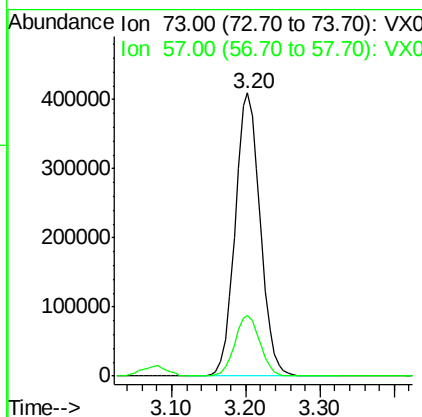
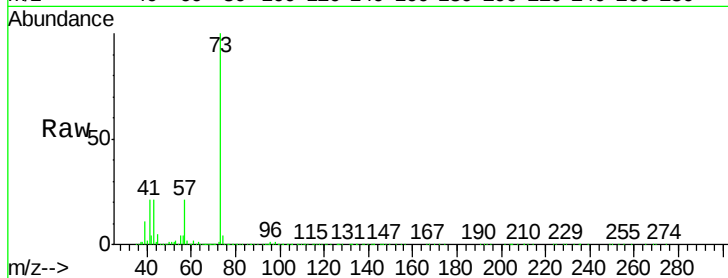
#19
Methvl tert-butvl Ether
Concen: 50.229 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.8	25.2

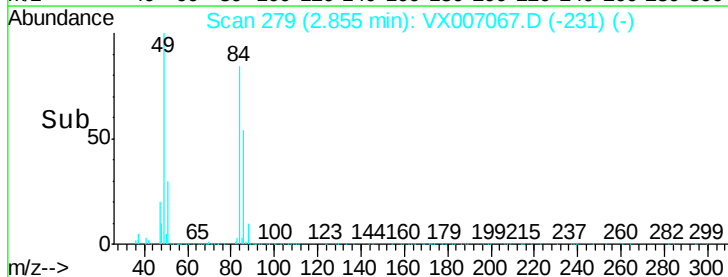
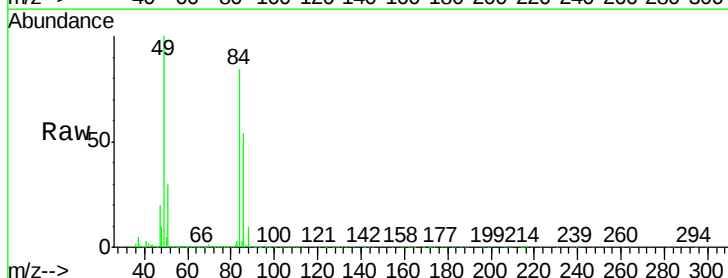
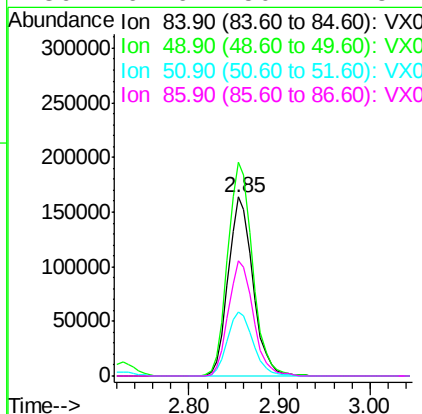
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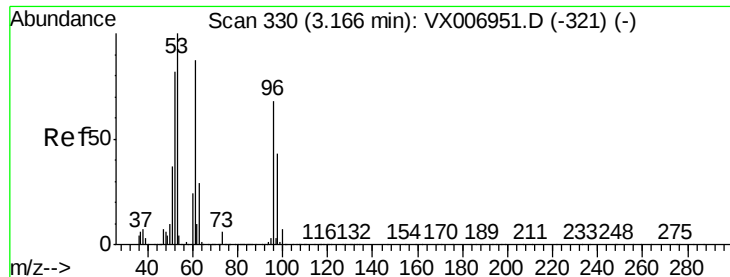
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#20
Methylene Chloride
Concen: 52.460 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.4	91.8	137.6
51	36.0	28.5	42.7
86	64.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 48.503 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

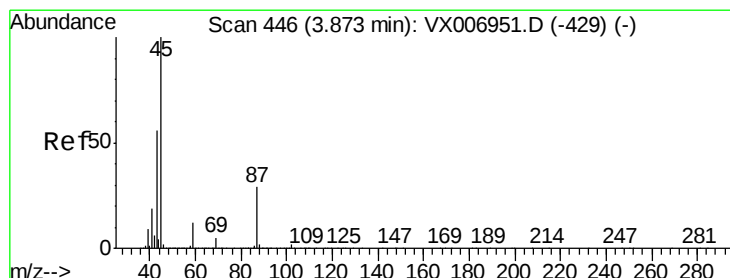
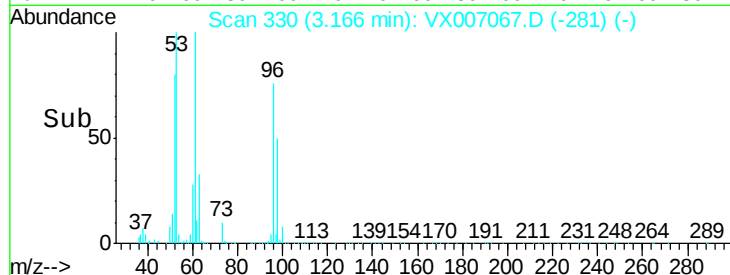
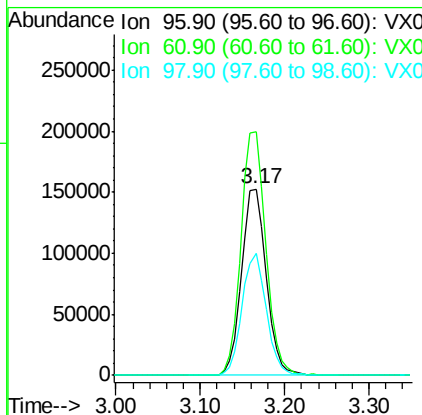
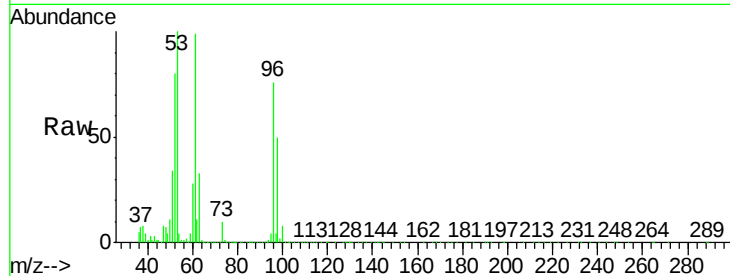
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	299035
Ion	Ratio	Lower	Upper
96	100		
61	130.5	103.7	155.5
98	65.6	51.0	76.6

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#22

Diisopropyl ether

Concen: 51.036 ug/l

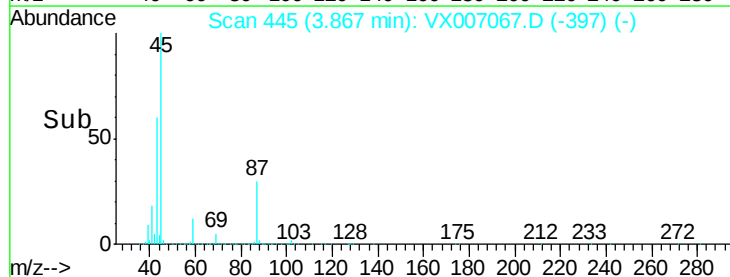
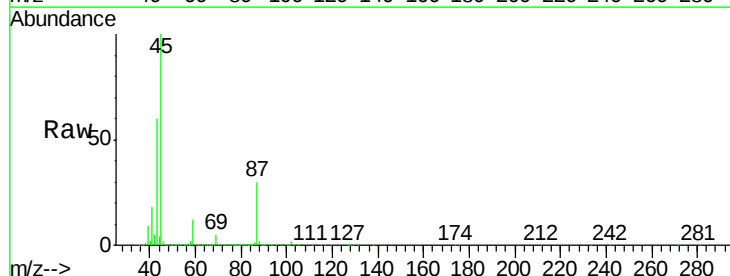
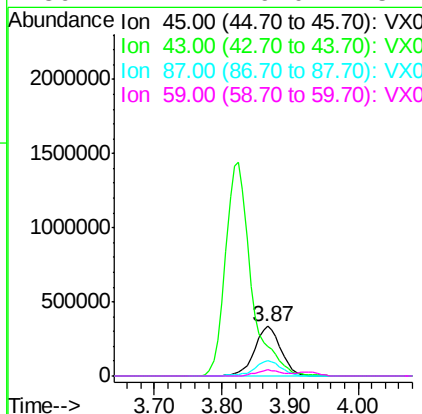
RT: 3.87 min Scan# 445

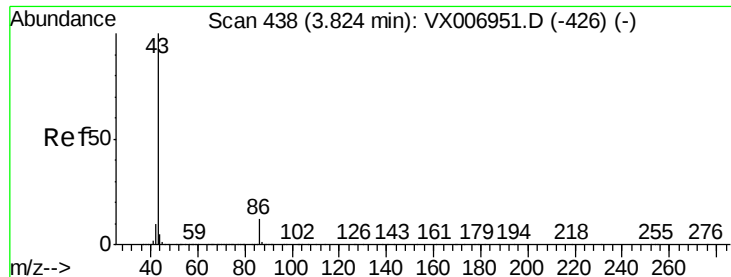
Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	45	Resp:	909726
Ion	Ratio	Lower	Upper
45	100		
43	60.1	51.2	76.8
87	30.2	25.8	38.6
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 252.252 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3791956

Ion Ratio Lower Upper

43 100

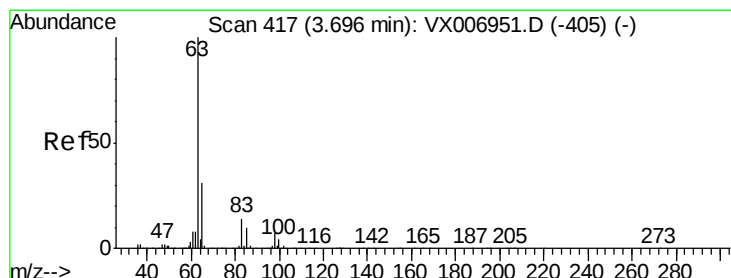
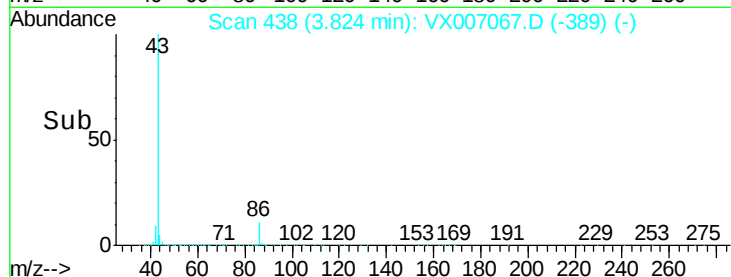
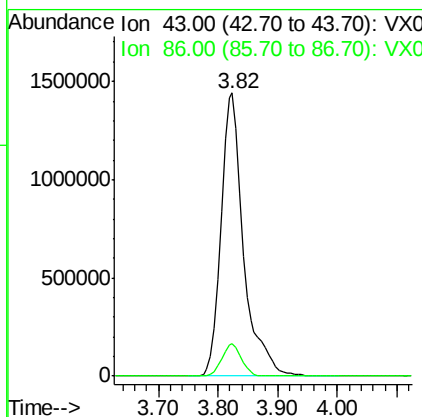
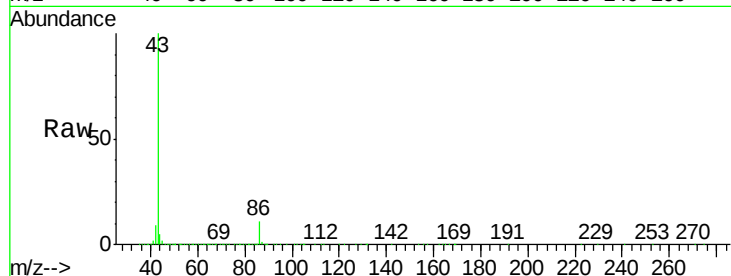
86 11.5 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 53.199 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

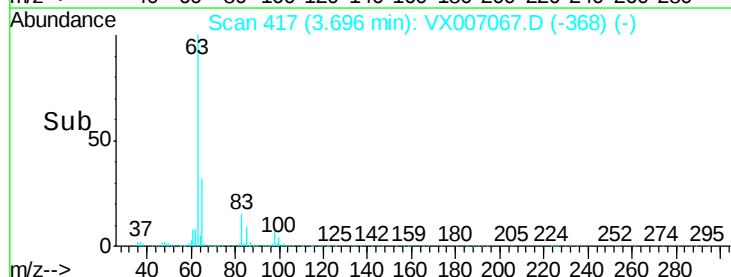
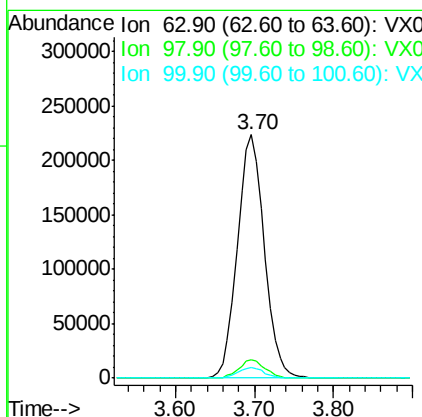
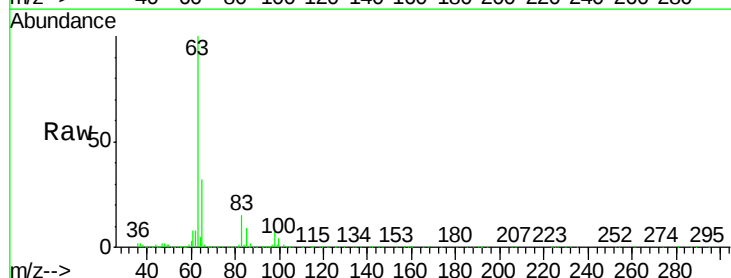
Tgt Ion: 63 Resp: 530245

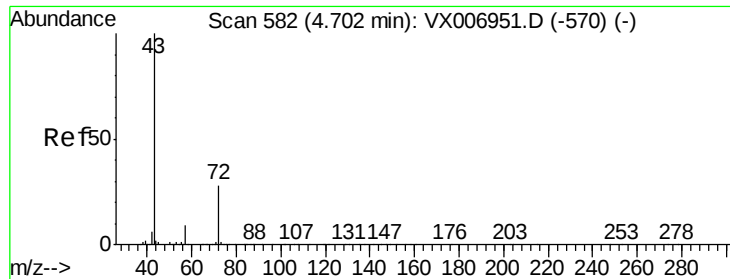
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 252.064 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tot Ion: 43 Resp: 1121695

Ion Ratio Lower Upper

43 100

72 27.1 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

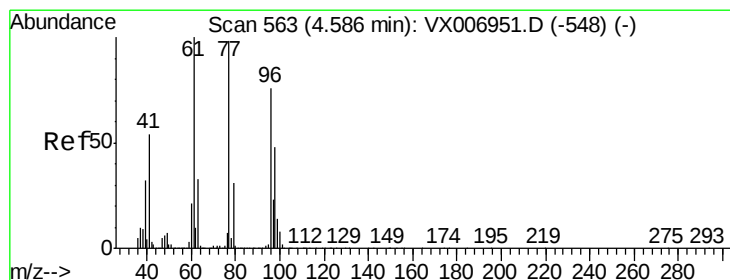
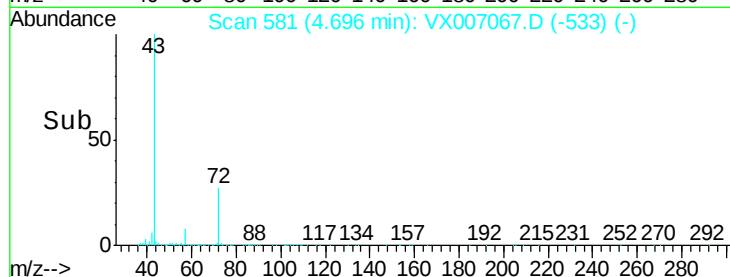
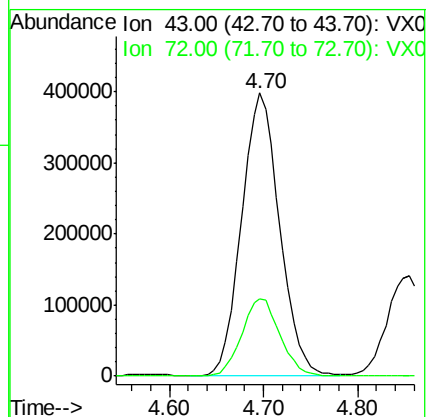
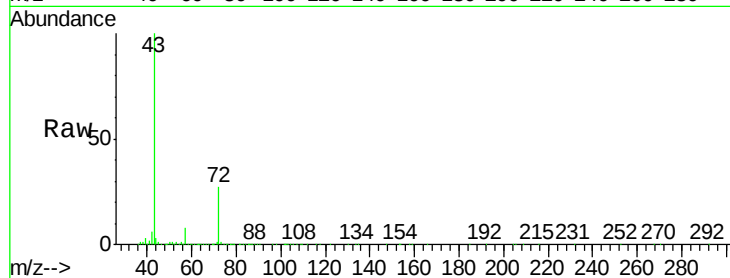
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 53.803 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007067.D

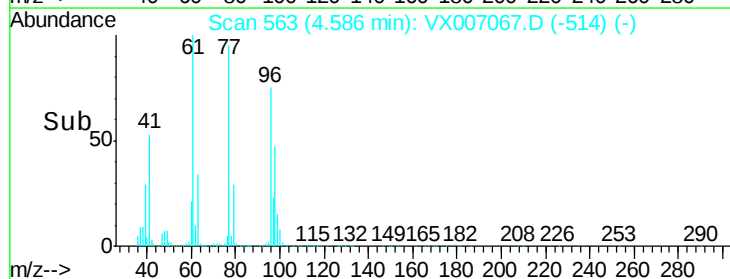
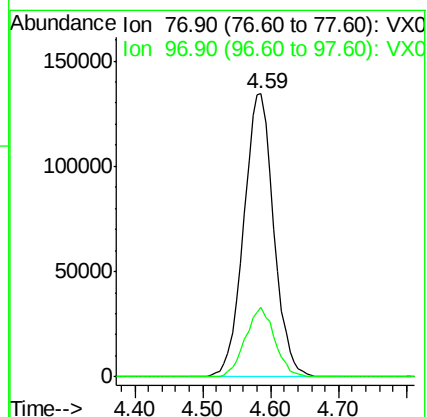
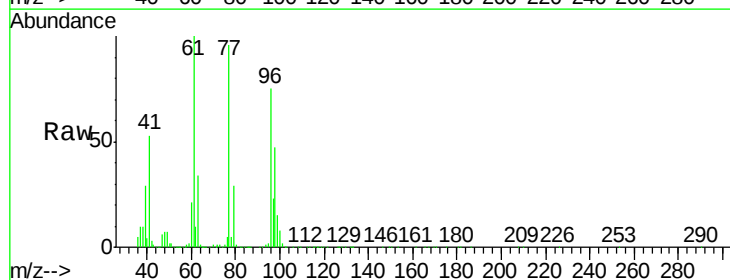
Acq: 16 Jan 2019 10:52

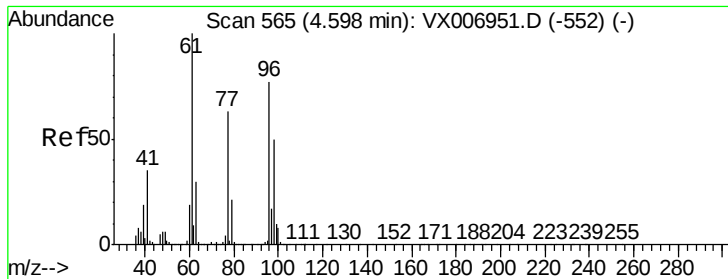
Tgt Ion: 77 Resp: 412366

Ion Ratio Lower Upper

77 100

97 24.1 12.4 37.4





#27

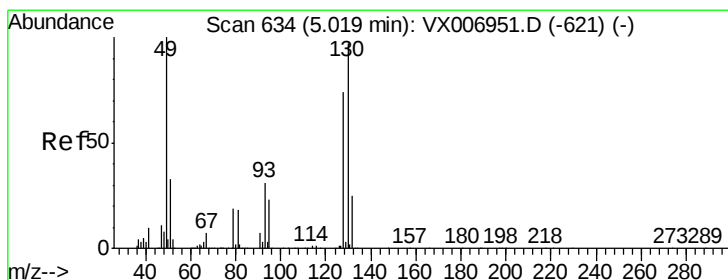
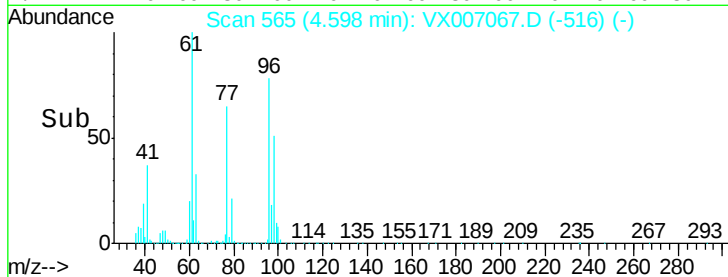
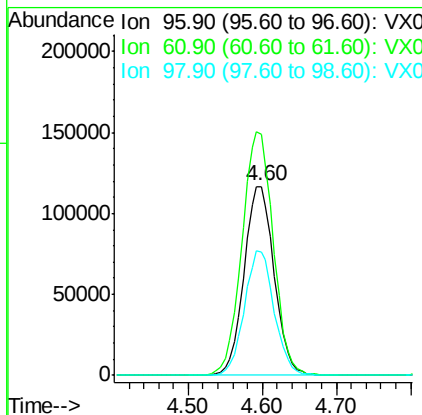
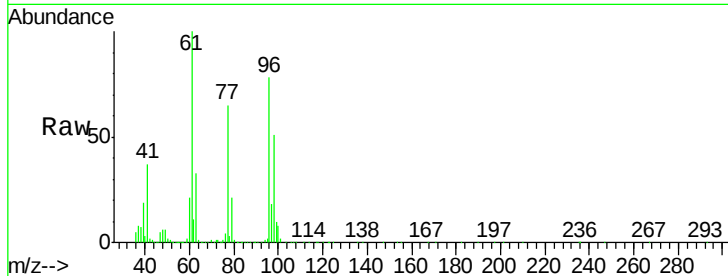
cis-1,2-Dichloroethene
Concen: 48.731 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	258.6
98	65.3	0.0	132.0

Manual Integrations
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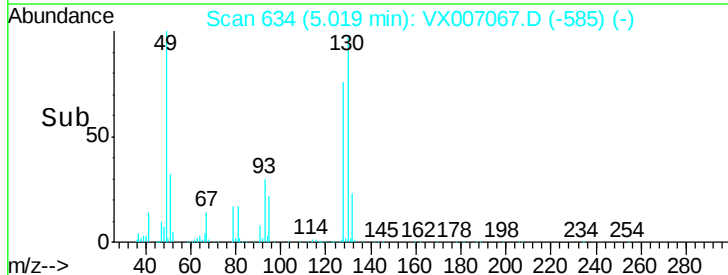
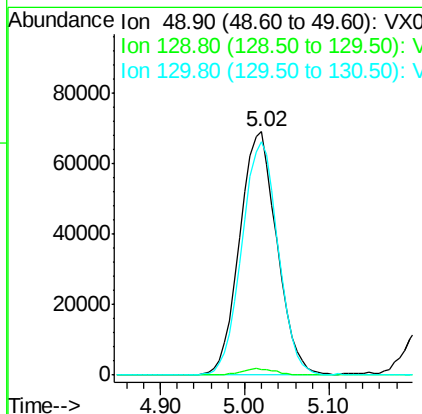
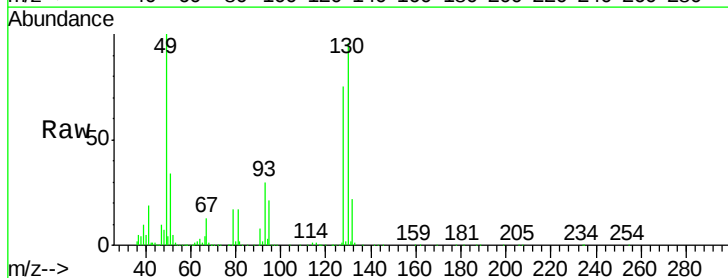
MMDadoda
1/17/2019 9:09:43 AM

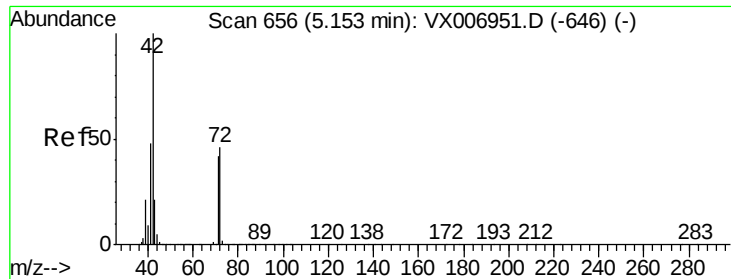


#28

Bromochloromethane
Concen: 47.548 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.5	77.7	116.5





#29

Tetrahydrofuran

Concen: 244.441 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

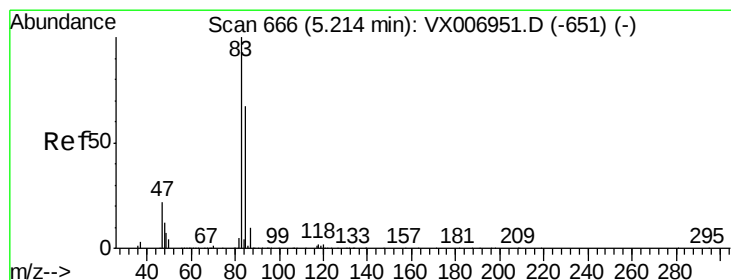
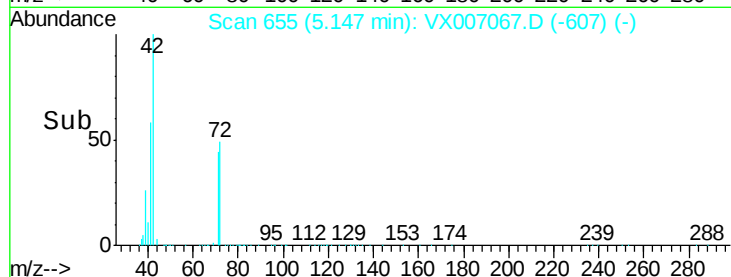
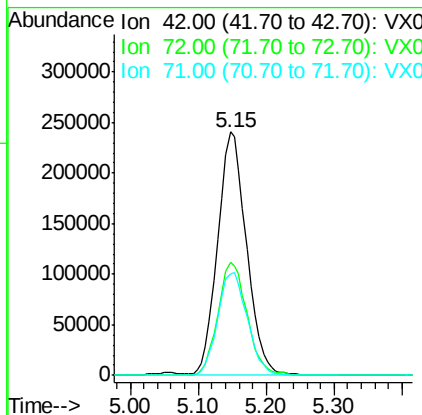
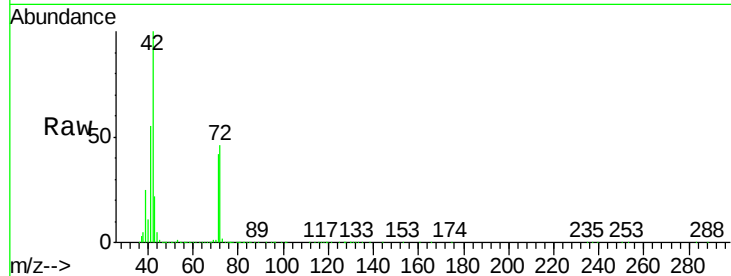
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	706916
Ion Ratio		Lower	Upper
42	100		
72	47.1	38.9	58.3
71	43.6	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 50.987 ug/l

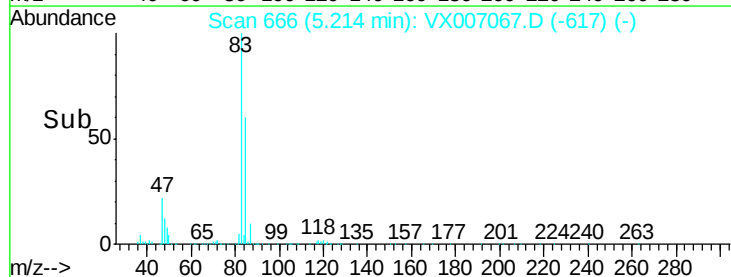
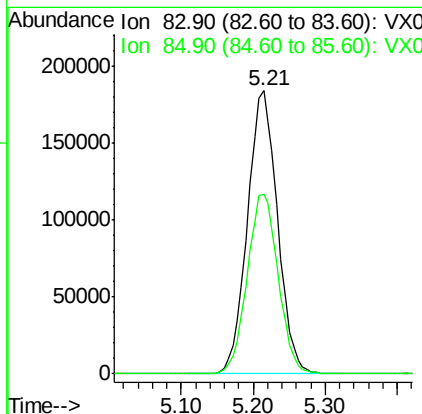
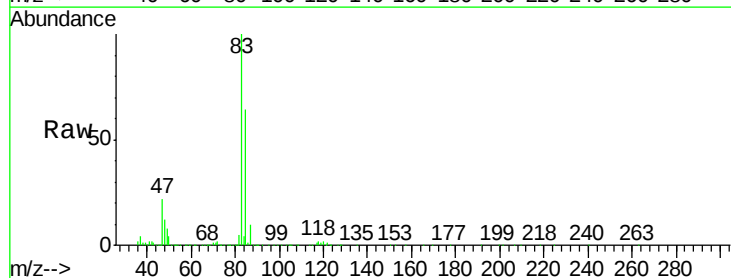
RT: 5.21 min Scan# 666

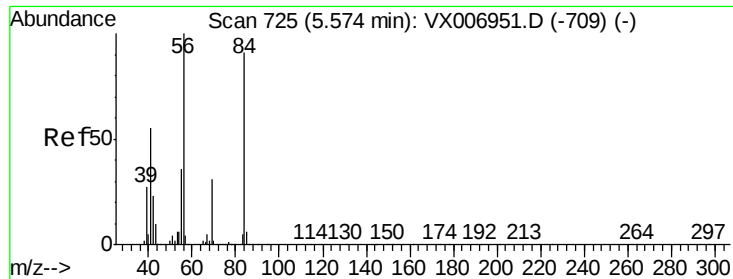
Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	83	Resp:	532086
Ion Ratio		Lower	Upper
83	100		
85	63.5	51.2	76.8





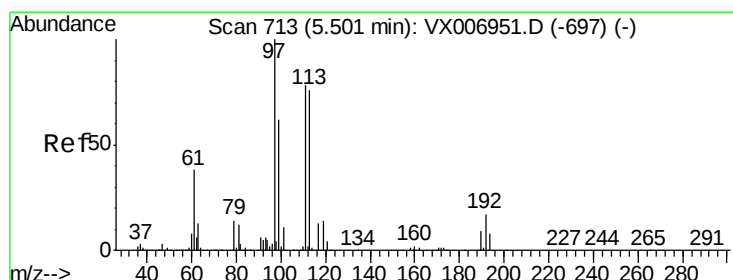
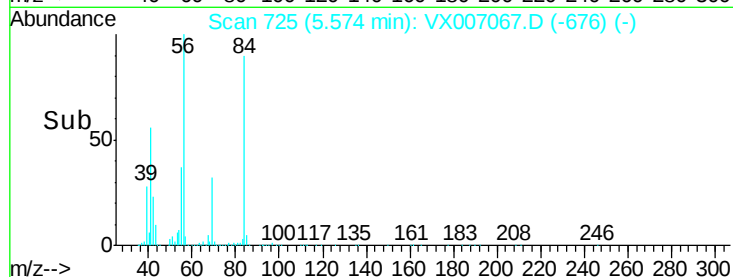
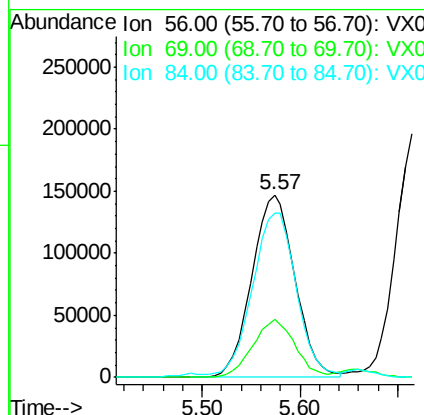
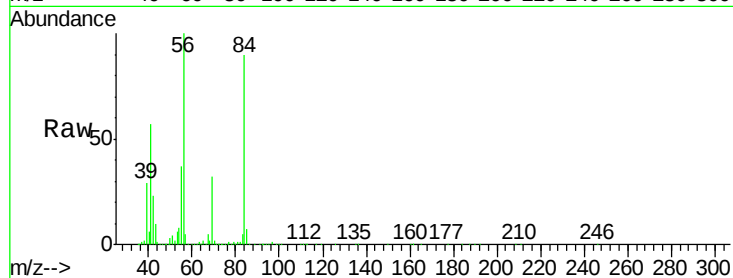
#31
Cyclohexane
Concen: 50.648 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.4	36.6
84	88.2	70.0	105.0

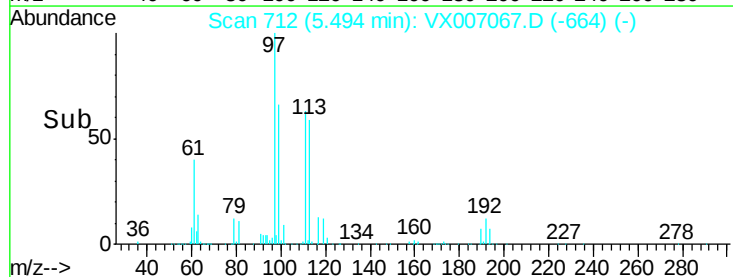
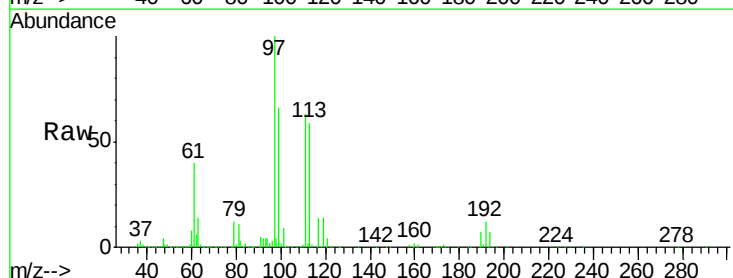
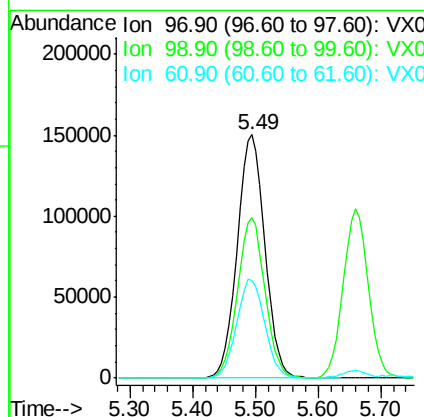
Manual Integrations
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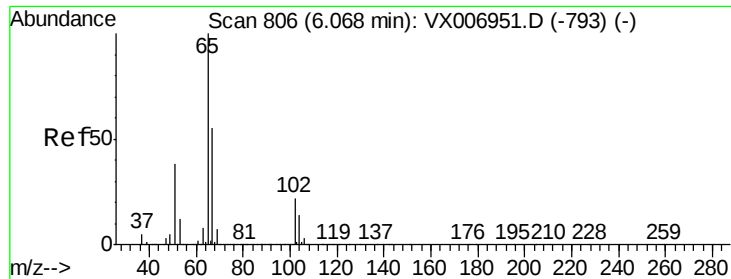
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#32
1,1,1-Trichloroethane
Concen: 51.771 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.7	77.5
61	41.2	31.3	46.9





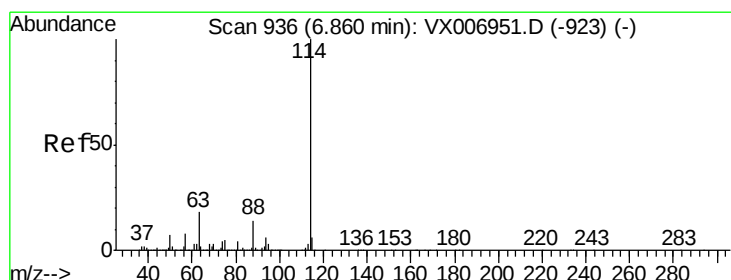
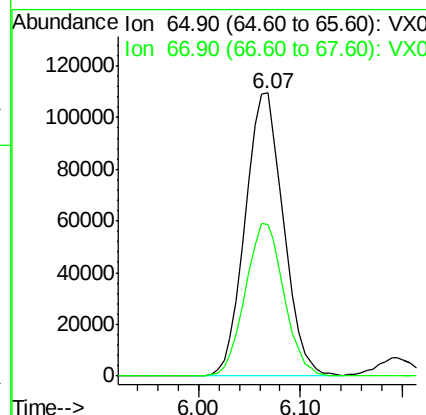
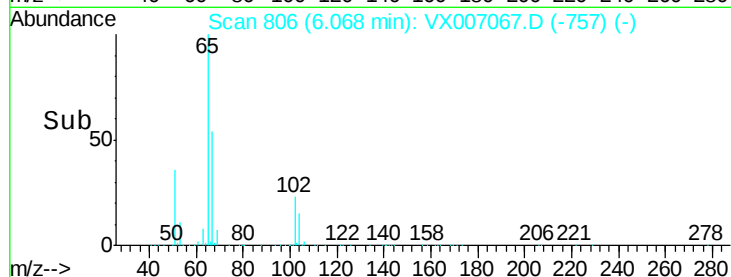
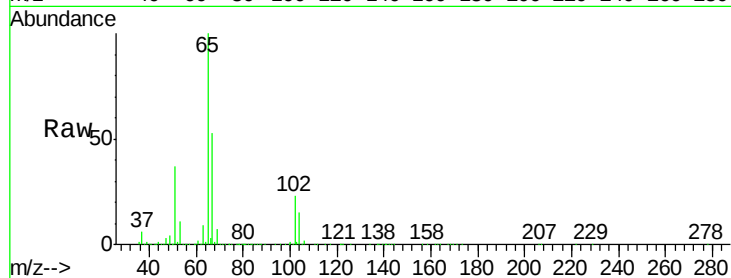
#33
 1,2-Dichloroethane-d4
 Concen: 45.485 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	105.0

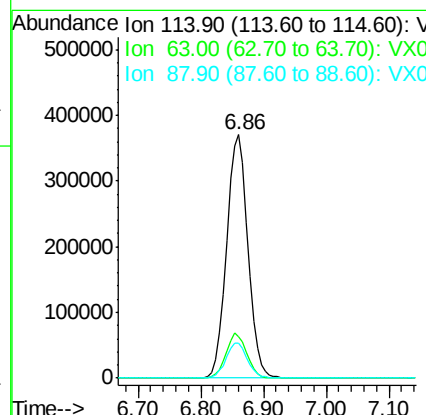
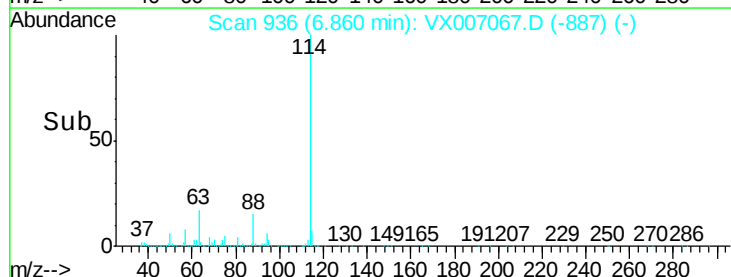
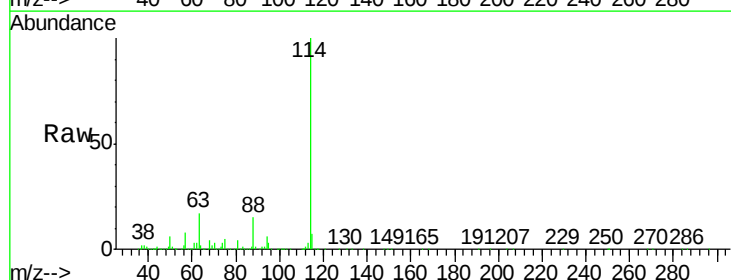
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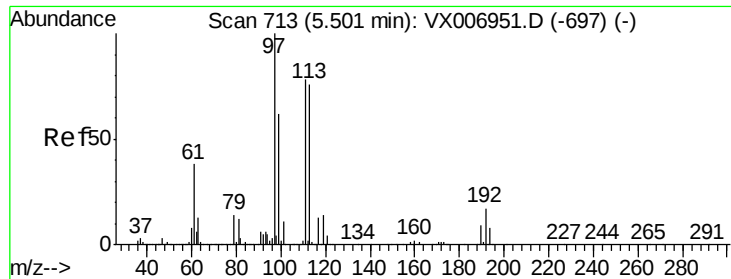
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	34.8
88	14.6	0.0	28.8





#35

Dibromofluoromethane

Concen: 47.840 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

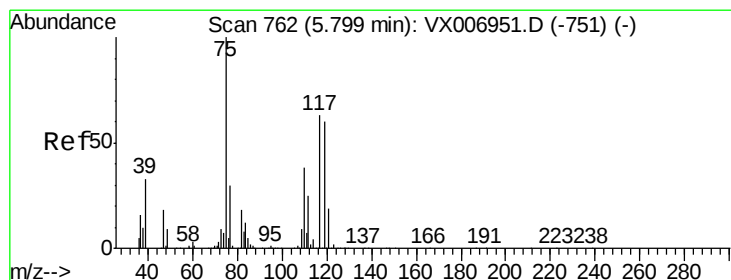
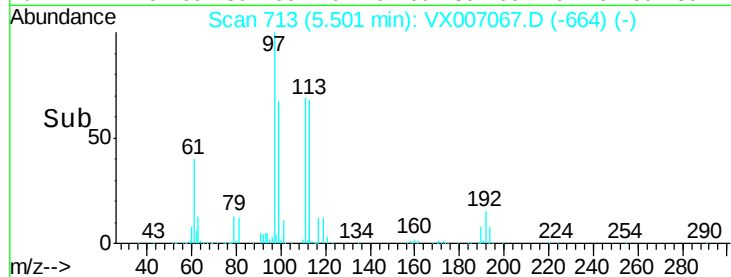
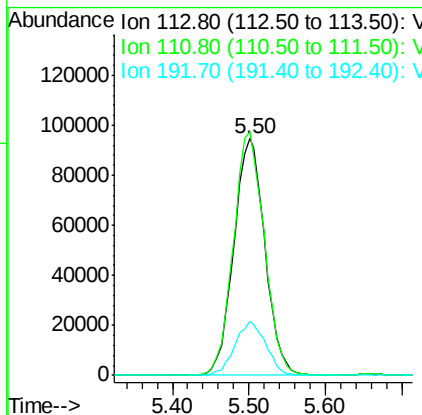
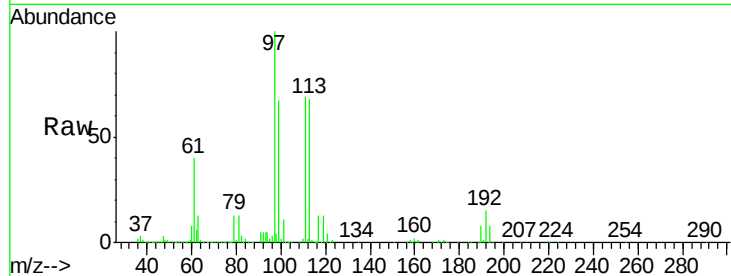
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	266109
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	22.7	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.698 ug/l

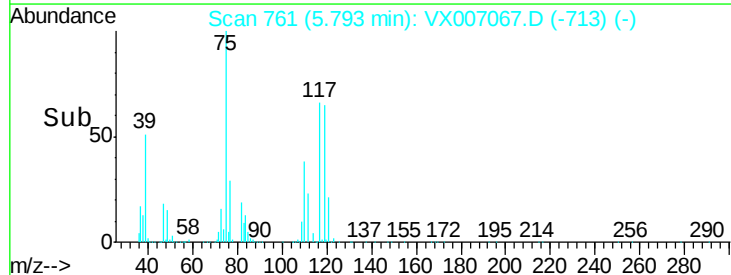
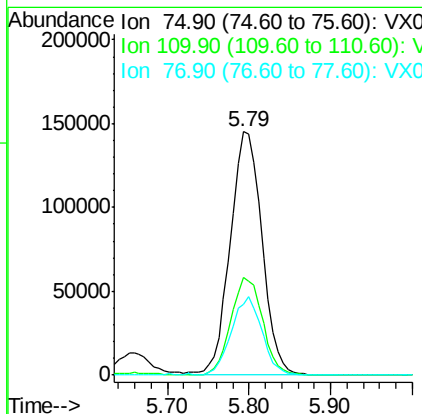
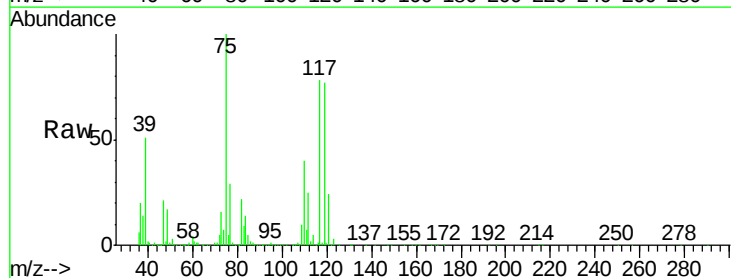
RT: 5.79 min Scan# 761

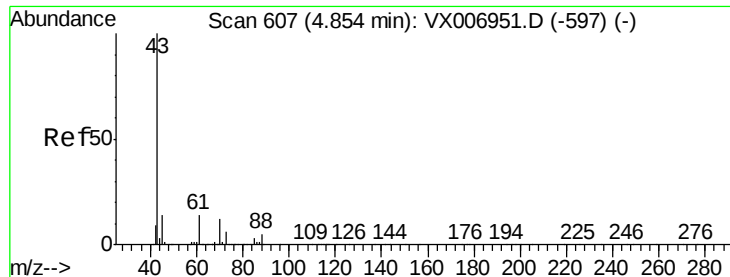
Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	75	Resp:	390415
Ion Ratio	Lower	Upper	
75	100		
110	40.1	20.2	60.5
77	30.9	24.8	37.2





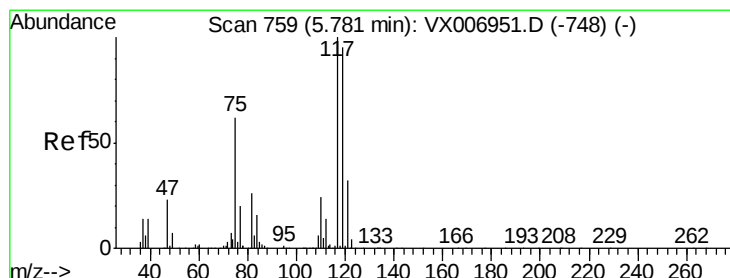
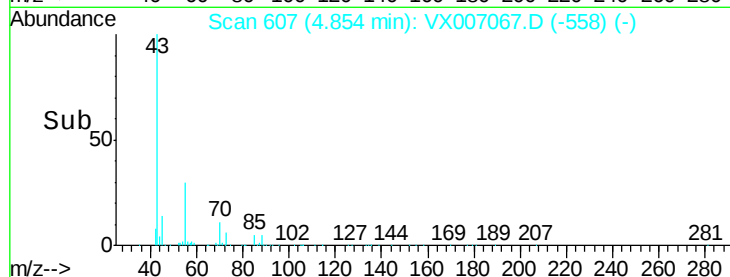
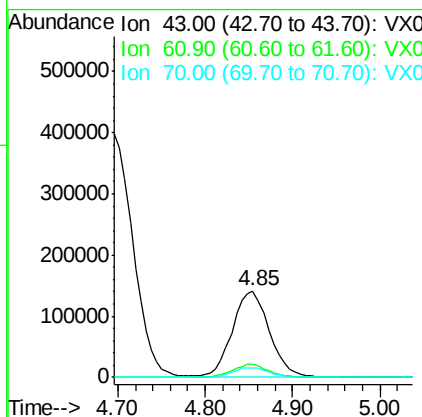
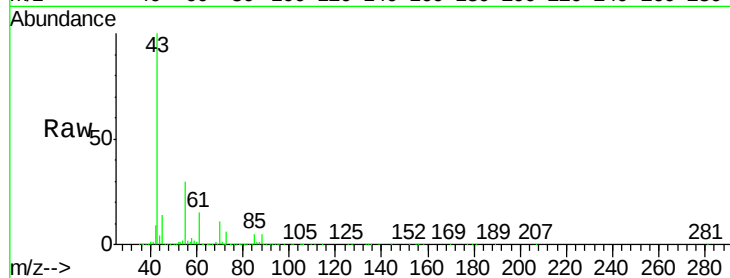
#37
Ethyl Acetate
Concen: 50.979 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	412741
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	11.4	9.7	14.5

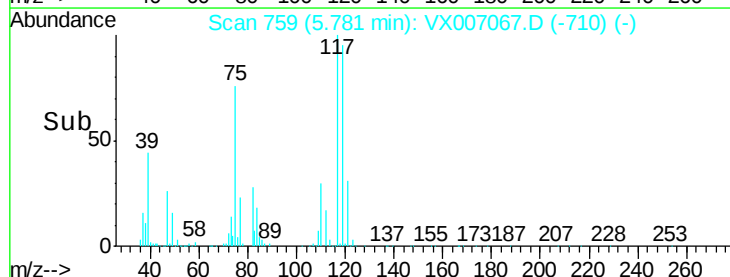
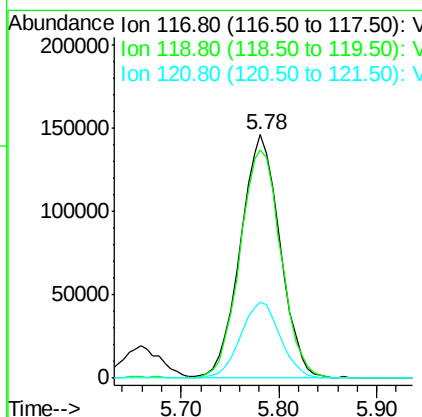
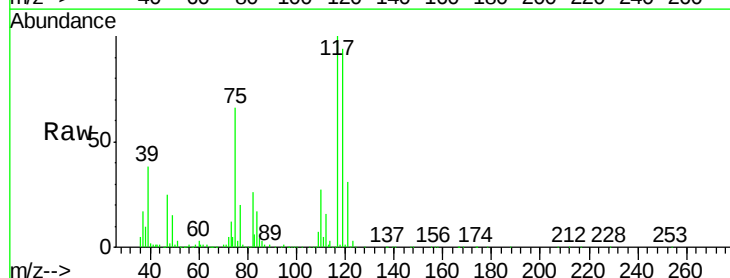
Manual Integrations
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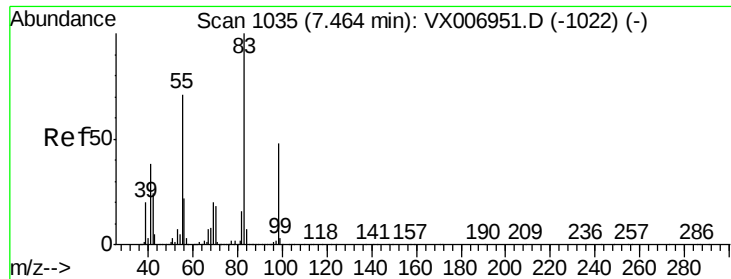
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#38
Carbon Tetrachloride
Concen: 53.969 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion:	117	Resp:	410056
Ion	Ratio	Lower	Upper
117	100		
119	94.0	79.4	119.2
121	31.1	24.0	36.0





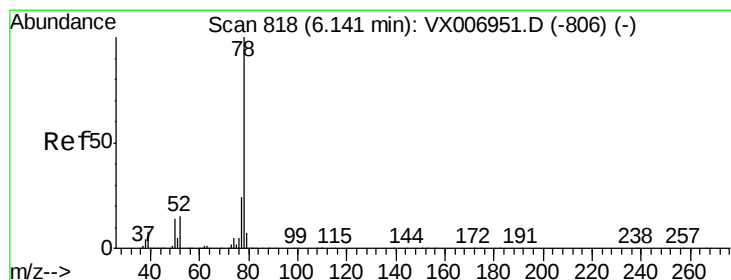
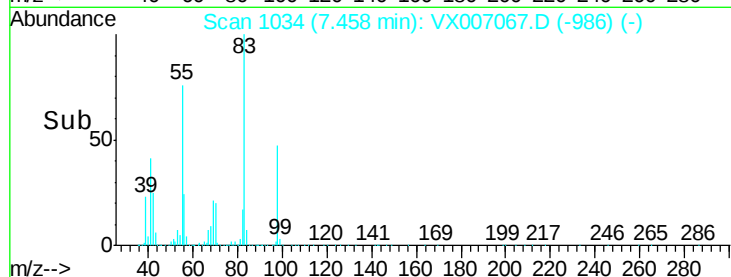
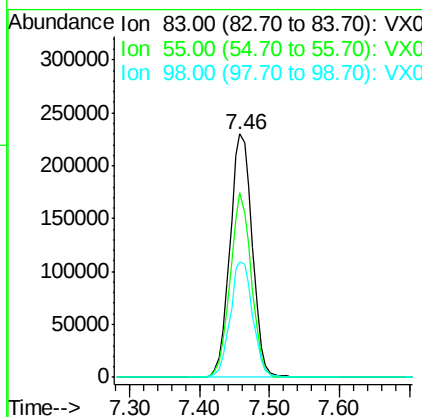
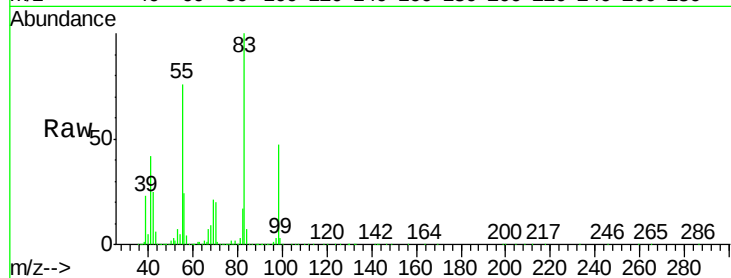
#39
Methvlcvclohexane
Concen: 52.901 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	54.9	82.3
98	47.3	37.9	56.9

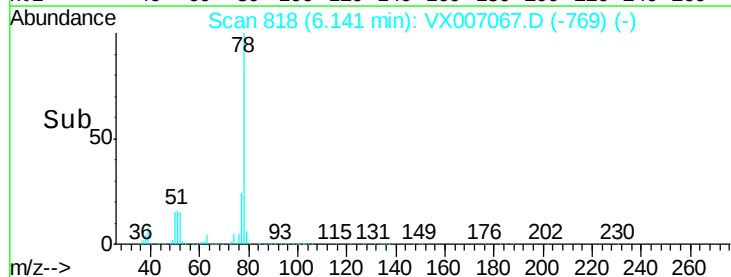
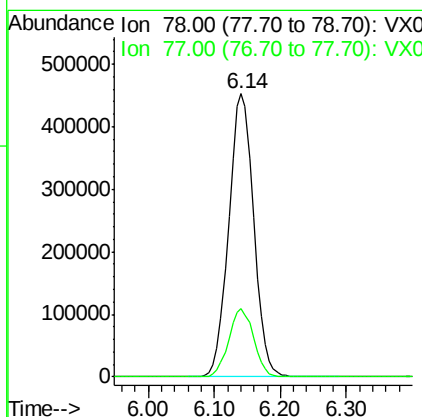
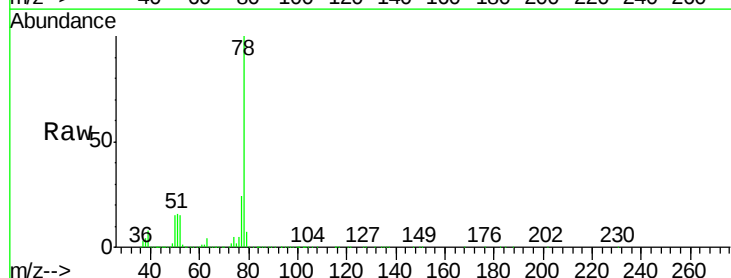
Manual Integrations
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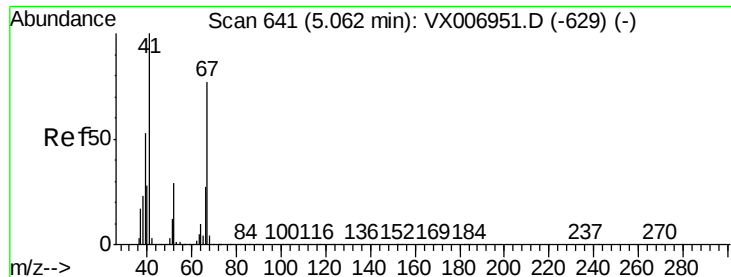
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#40
Benzene
Concen: 51.258 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





#41

Methacrylonitrile

Concen: 49.358 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

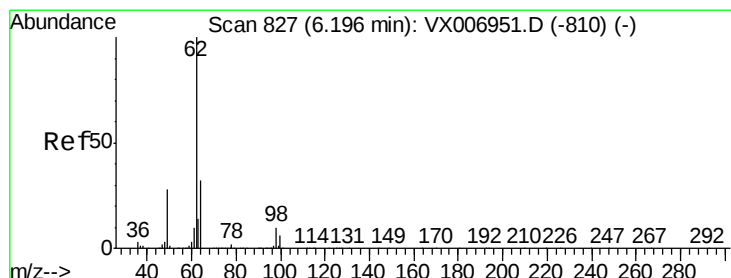
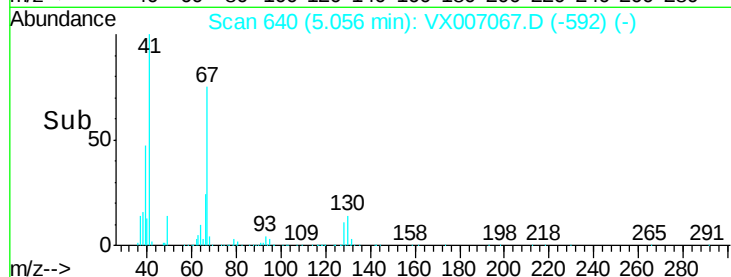
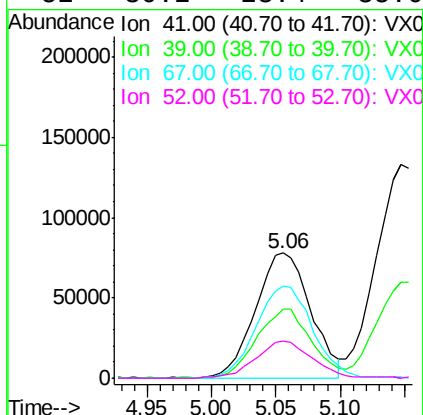
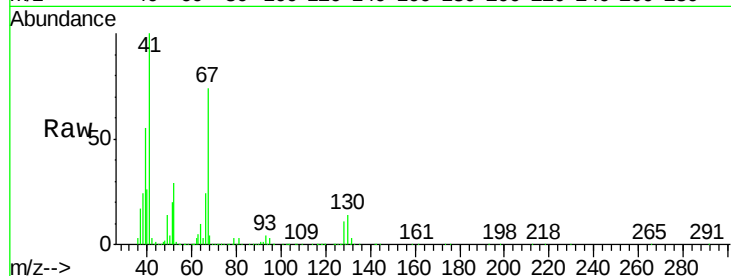
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	42.8	64.2	
67	76.4	62.1	93.1	
52	30.2	23.4	35.0	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.242 ug/l

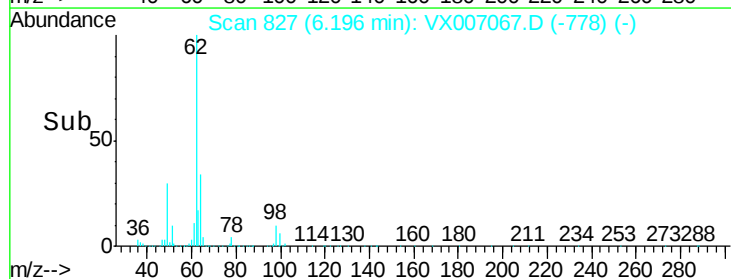
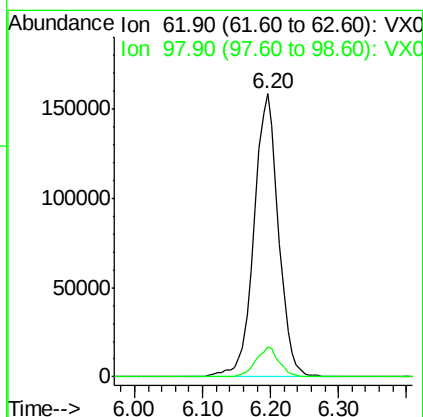
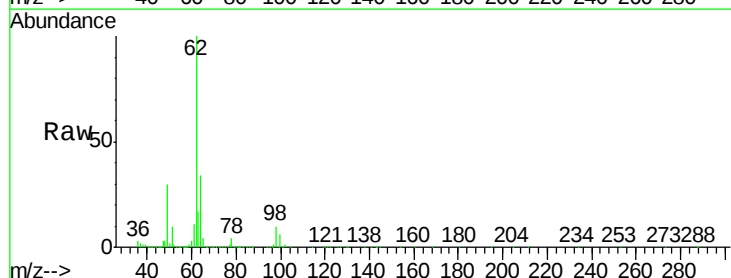
RT: 6.20 min Scan# 827

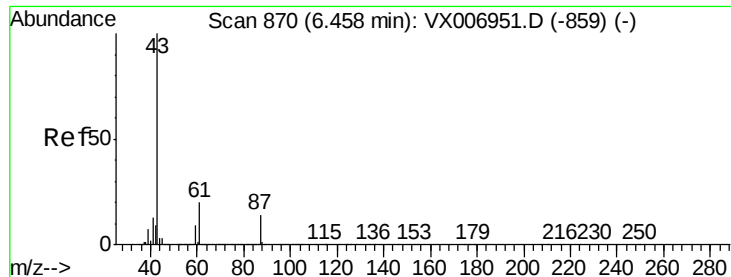
Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.2	





#43

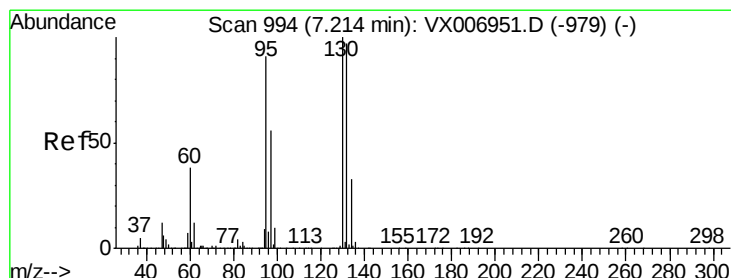
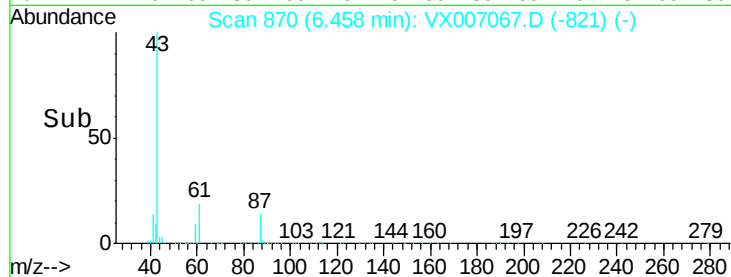
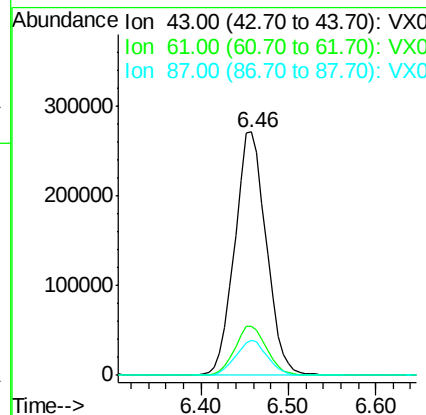
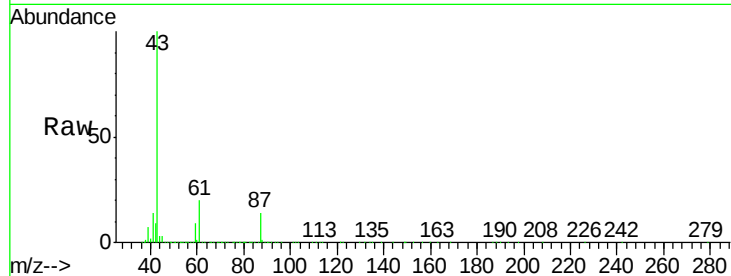
Isopropyl Acetate
 Concen: 53.099 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.4	12.4	18.6

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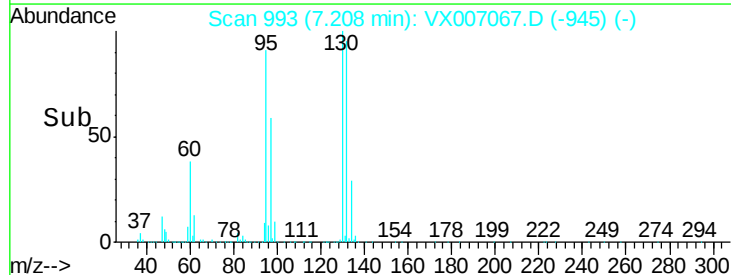
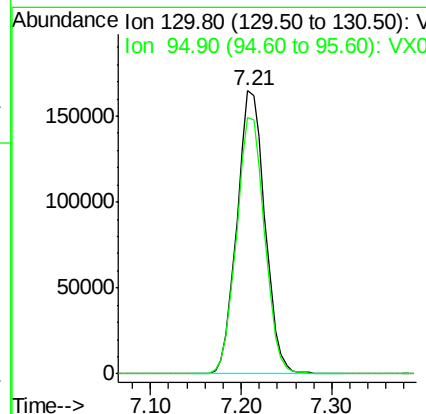
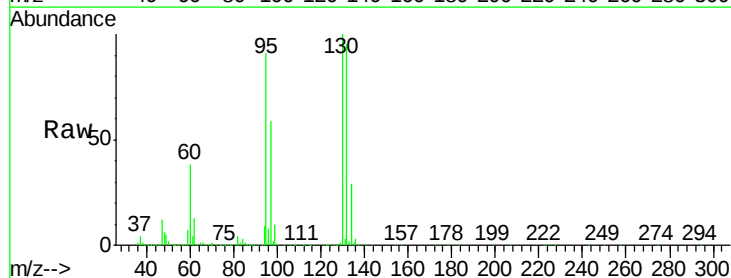
MMDadoda
 1/17/2019 9:09:43 AM

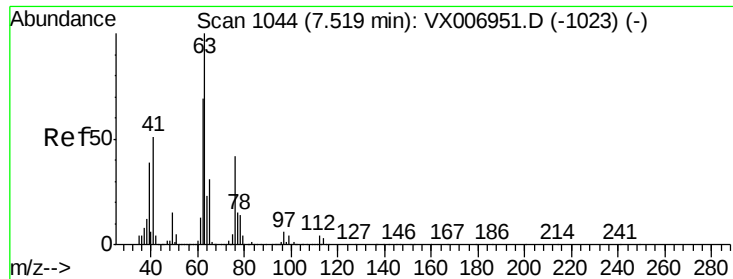


#44

Trichloroethene
 Concen: 51.071 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	187.0





#45

1,2-Dichloropropane

Concen: 52.164 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 302188

Ion Ratio Lower Upper

63 100

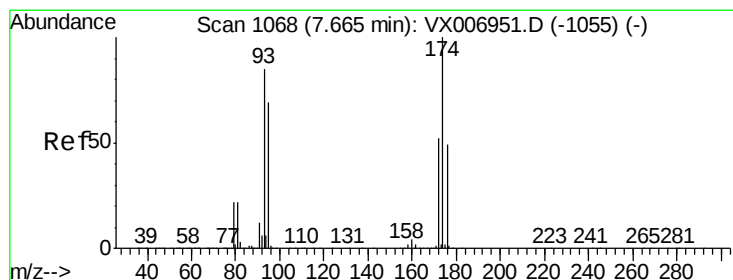
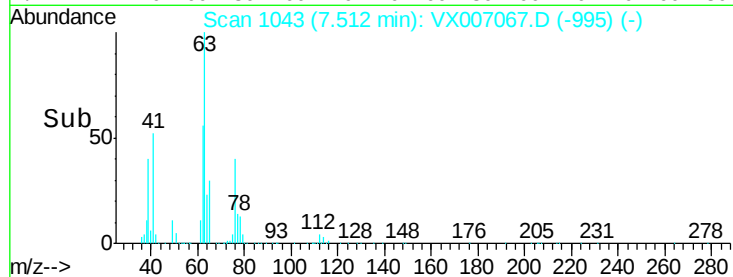
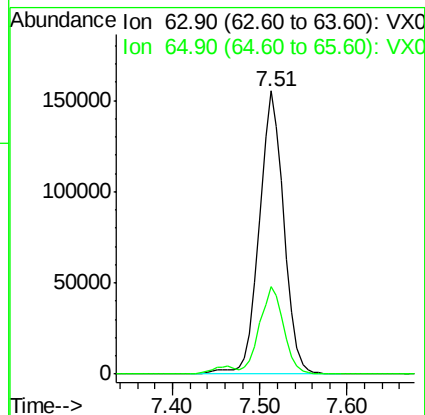
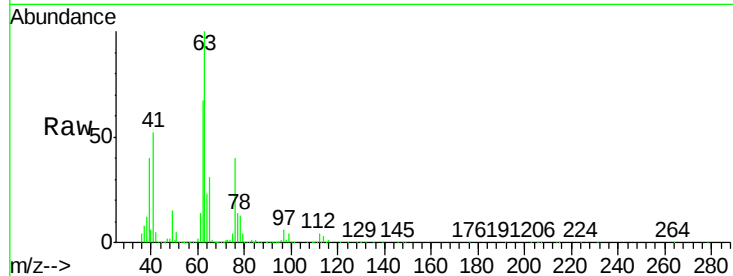
65 30.8 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 52.627 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

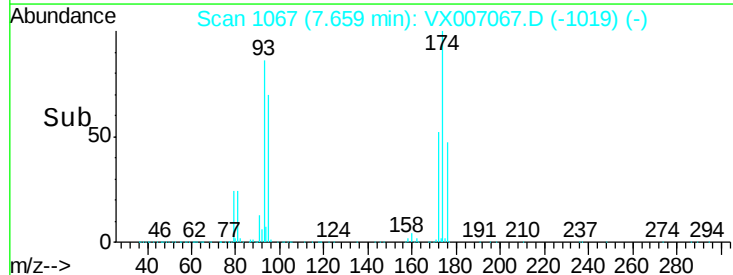
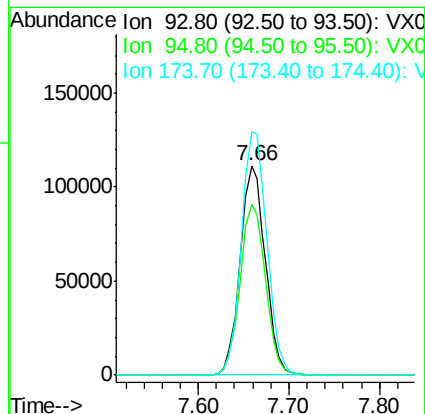
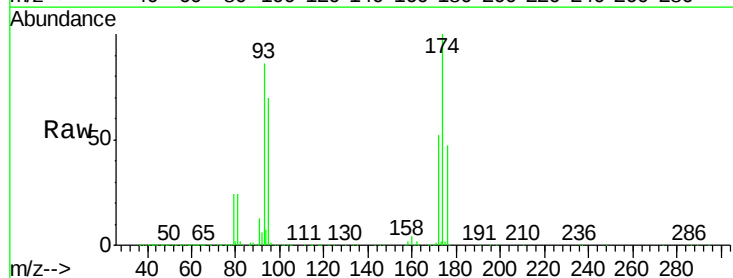
Tgt Ion: 93 Resp: 214263

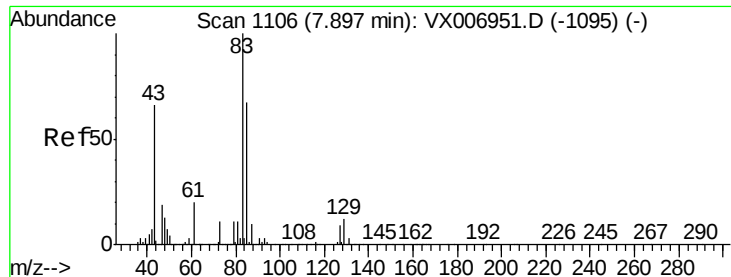
Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

174 118.0 91.0 136.4





#47

Bromodichloromethane

Concen: 55.525 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

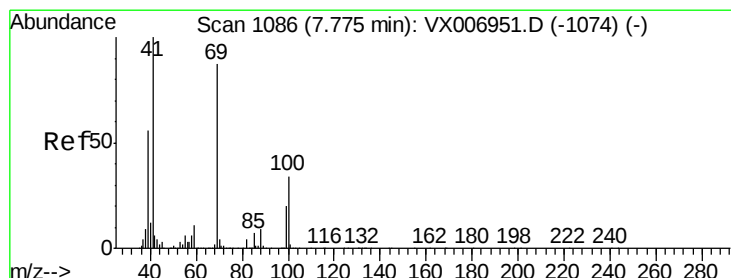
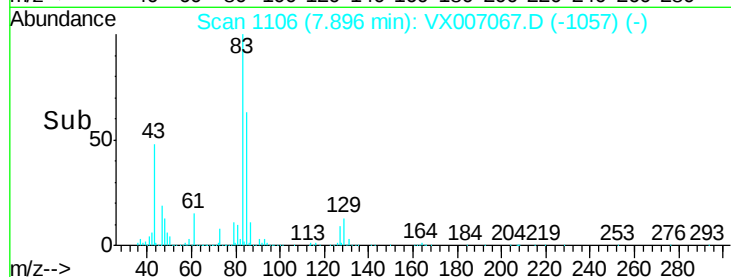
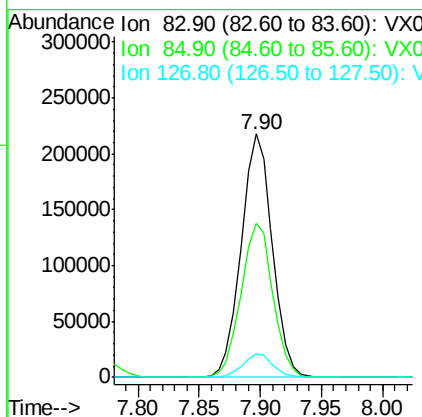
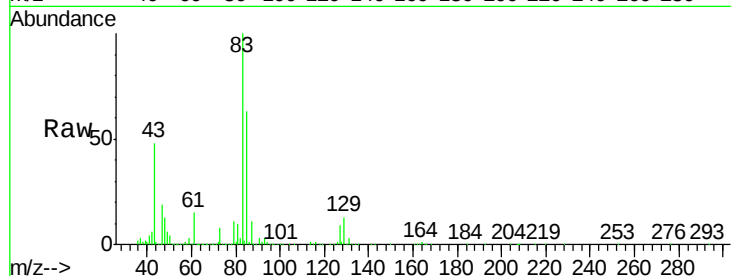
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	384797
Ion Ratio	Lower	Upper	
83	100		
85	63.3	53.2	79.8
127	9.4	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.227 ug/l

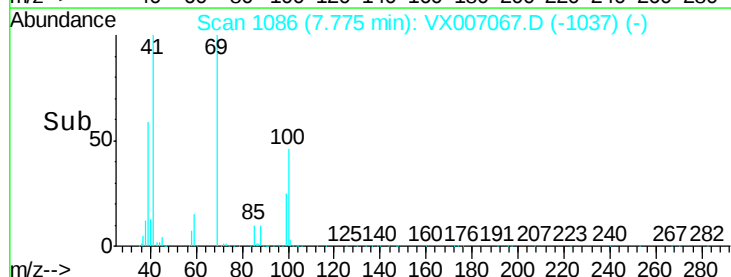
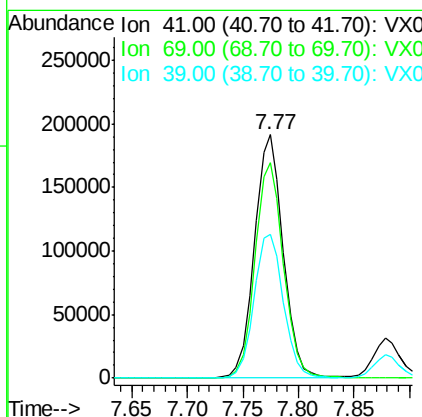
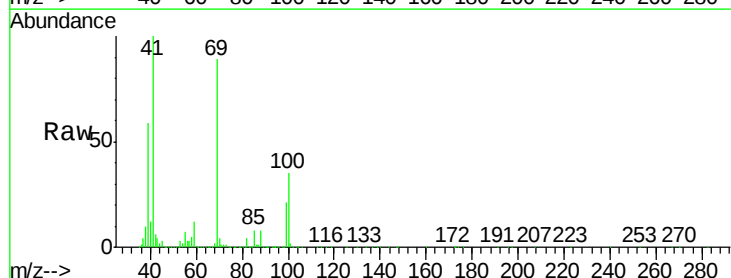
RT: 7.77 min Scan# 1086

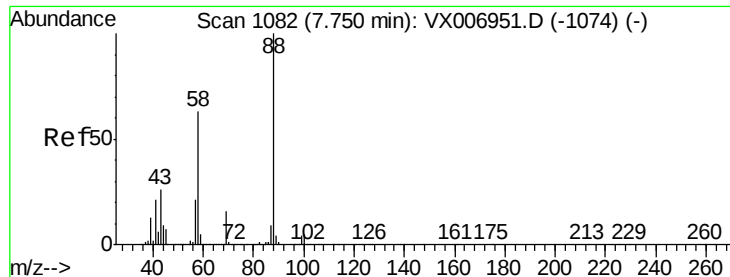
Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	41	Resp:	342516
Ion Ratio	Lower	Upper	
41	100		
69	88.6	72.4	108.6
39	60.5	45.8	68.8





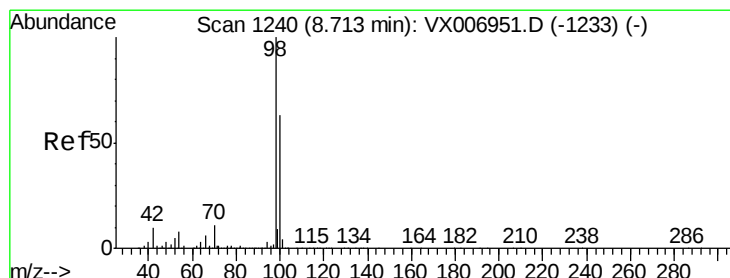
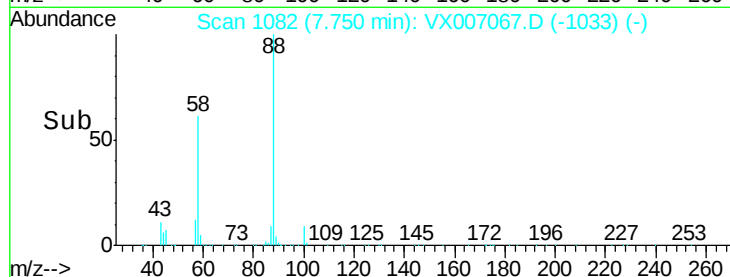
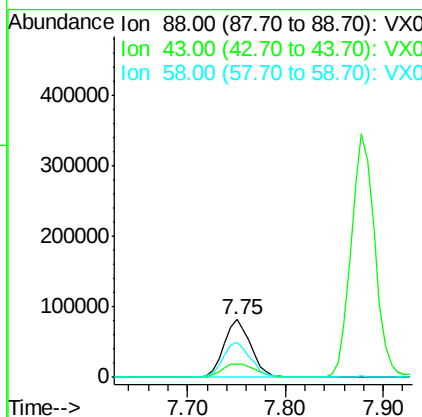
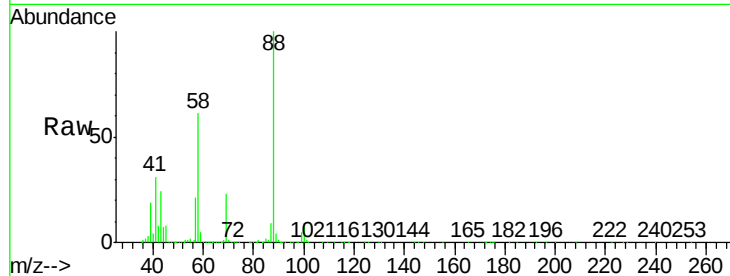
#49
1,4-Dioxane
Concen: 1036.936 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	22.2	33.4
58	63.5	51.0	76.4

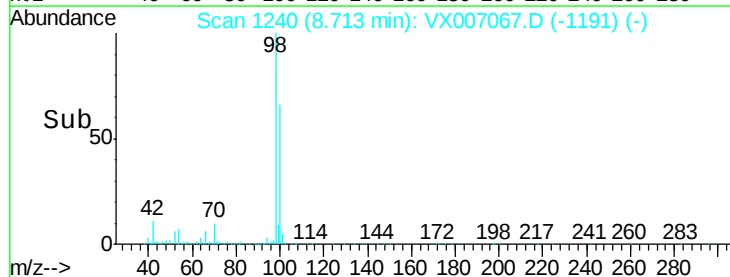
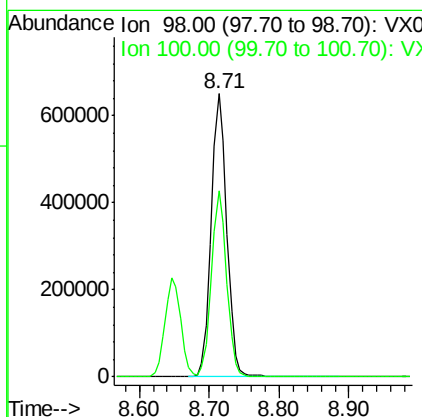
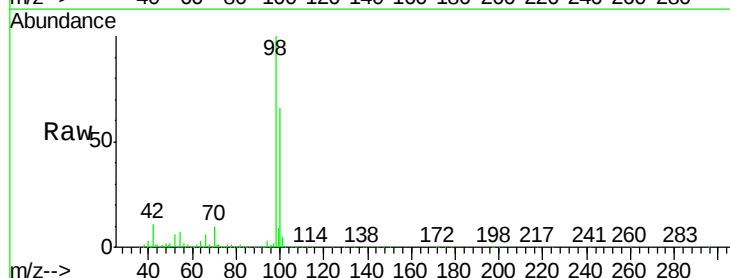
Manual Integrations
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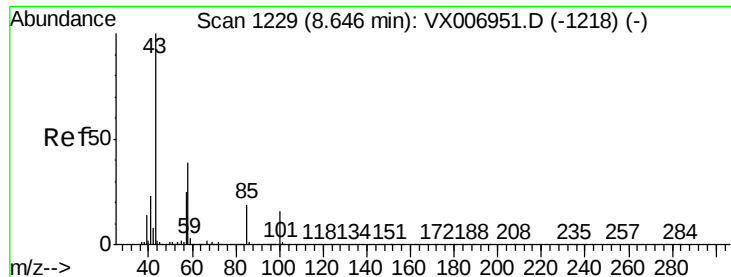
MMDadoda
1/17/2019 9:09:43 AM



#50
Toluene-d8
Concen: 49.584 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 264.259 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tot Ion: 43 Resp: 2168841

Ion Ratio Lower Upper

43 100

58 39.7 31.8 47.6

Instrument :

MSVOA_X

ClientSampleId :

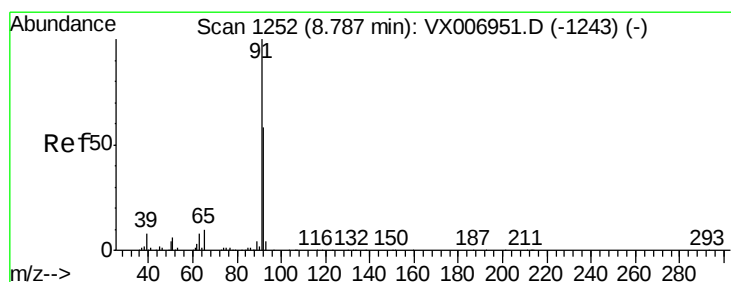
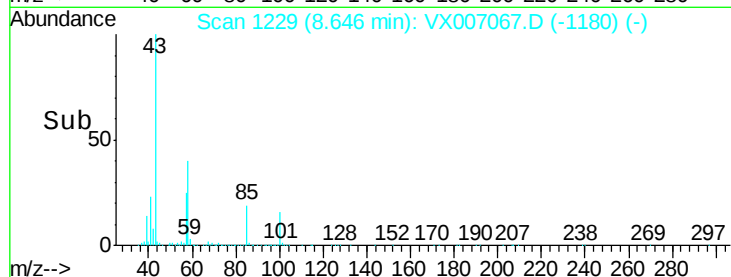
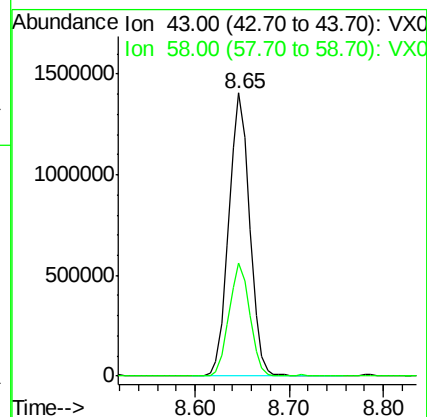
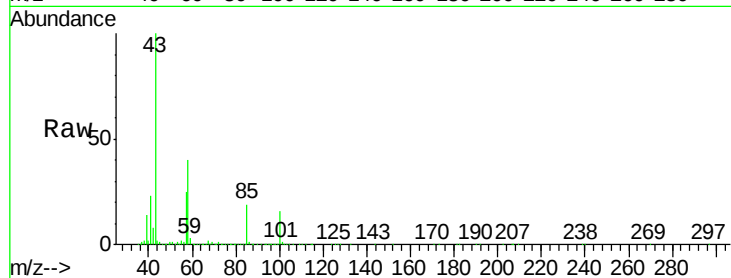
VSTDCCC050

Manual Integrations

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#52

Toluene

Concen: 52.907 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007067.D

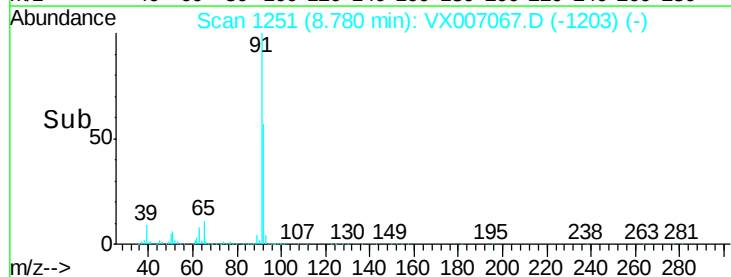
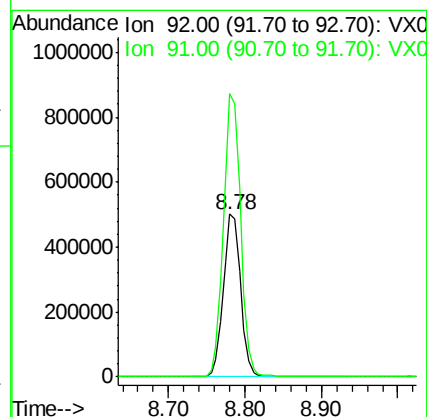
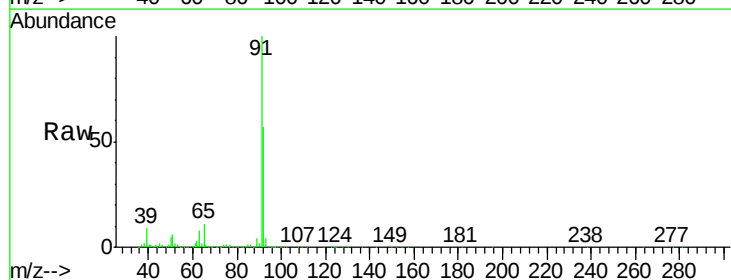
Acq: 16 Jan 2019 10:52

Tgt Ion: 92 Resp: 783577

Ion Ratio Lower Upper

92 100

91 173.7 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 57.629 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tot Ion: 75 Resp: 442856

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

Instrument :

MSVOA_X

ClientSampleId :

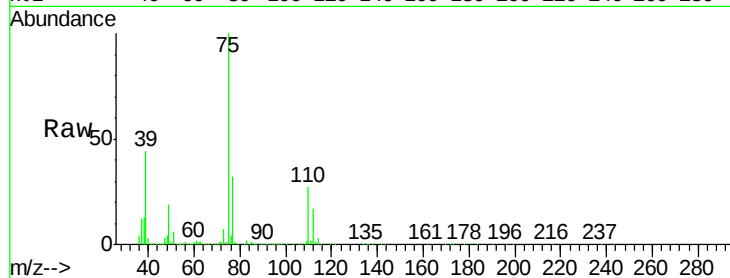
VSTDCCC050

Manual Integrations

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MMDadoda

1/17/2019 9:09:43 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

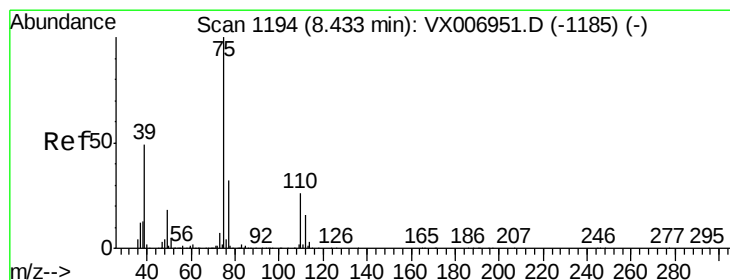
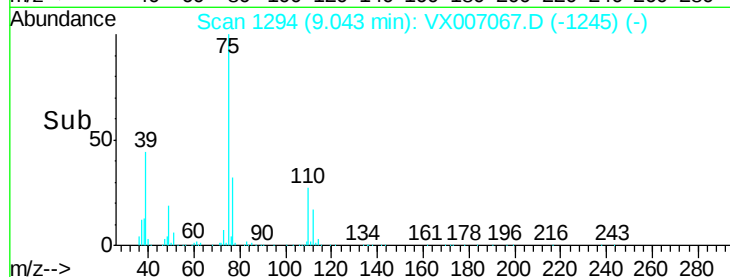
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.758 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

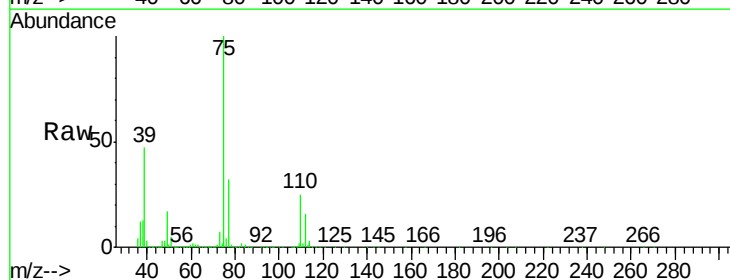
Tgt Ion: 75 Resp: 481669

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.3 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

400000

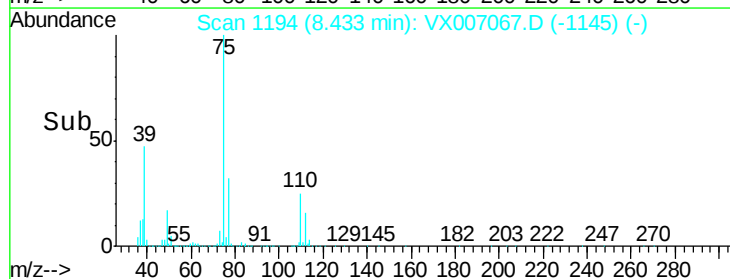
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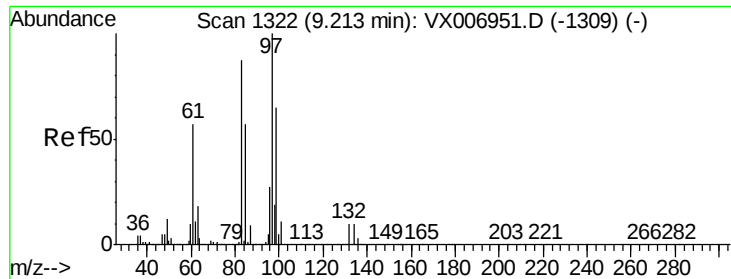
200000

100000

0

Time-->





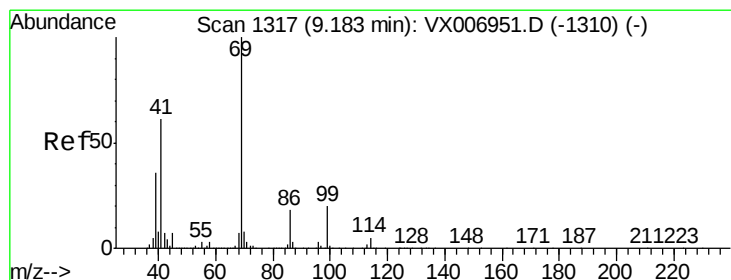
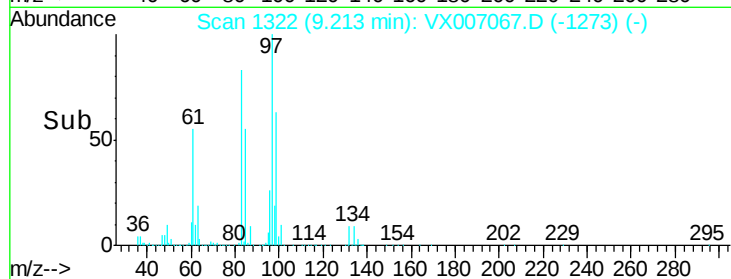
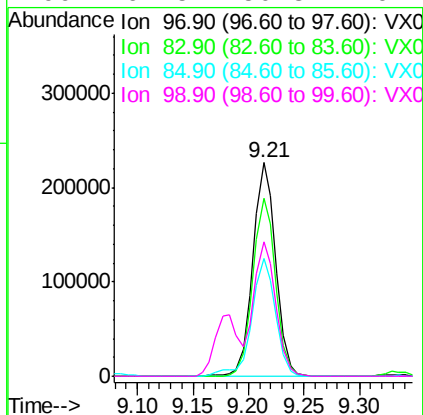
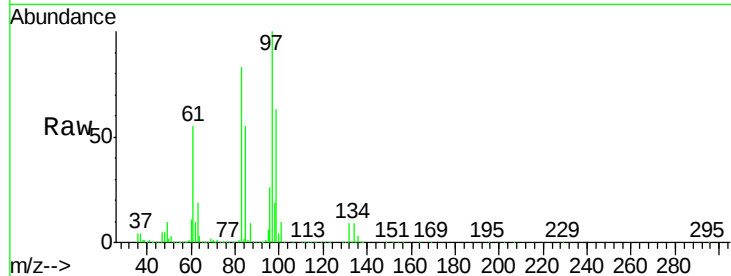
#55
 1,1,2-Trichloroethane
 Concen: 54.746 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.6	99.8
85	55.3	42.7	64.1
99	62.5	50.8	76.2

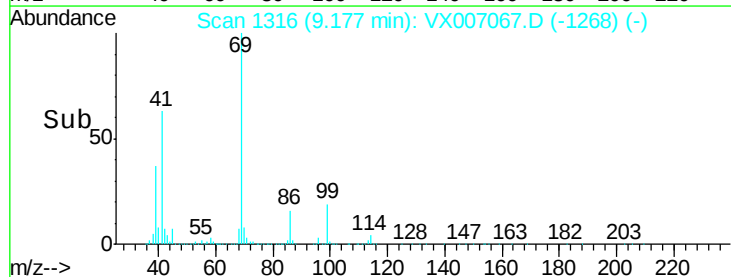
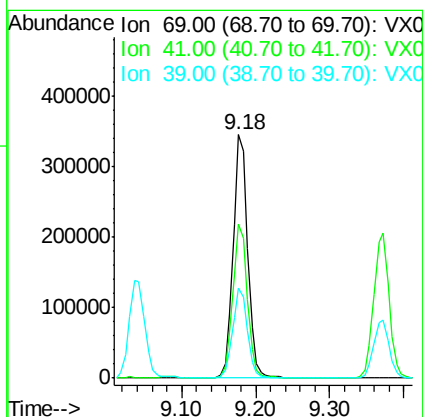
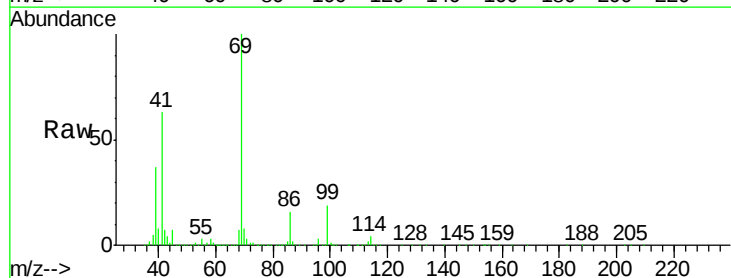
Manual Integrations
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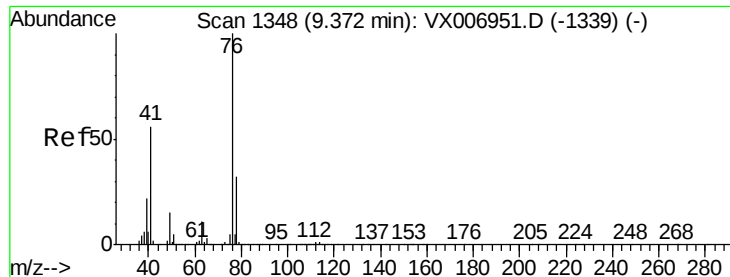
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 1/17/2019 9:09:43 AM



#56
 Ethyl methacrylate
 Concen: 54.983 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.2	48.7	73.1
39	36.9	27.0	40.6





#57

1,3-Dichloropropane

Concen: 53.111 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 515804

Ion Ratio Lower Upper

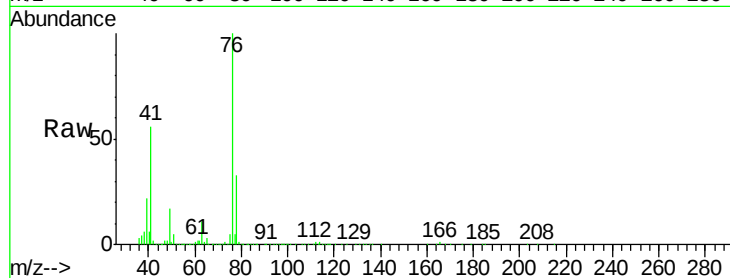
76 100

78 32.4 26.0 39.0

Manual Integrations
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1/17/2019 9:09:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

400000

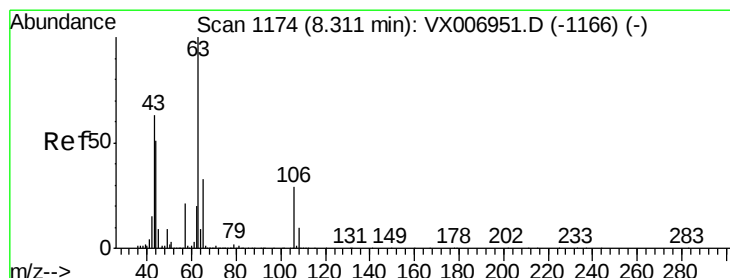
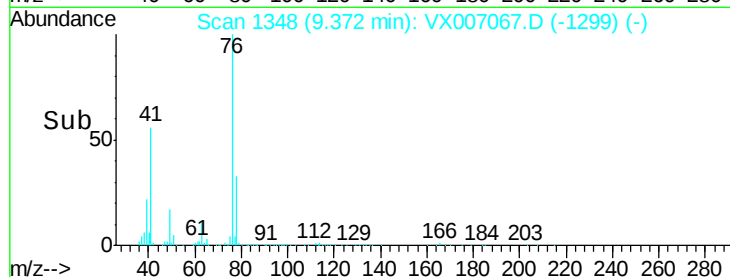
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.134 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007067.D

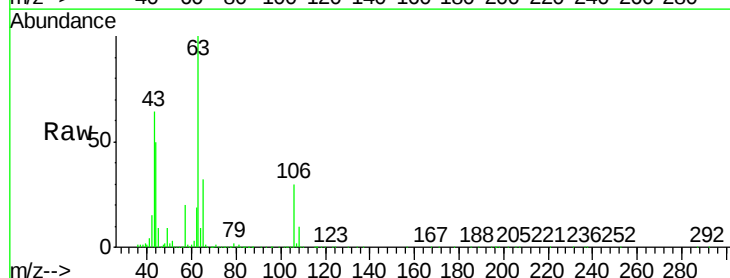
Acq: 16 Jan 2019 10:52

Tgt Ion: 63 Resp: 1148600

Ion Ratio Lower Upper

63 100

106 30.1 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

800000

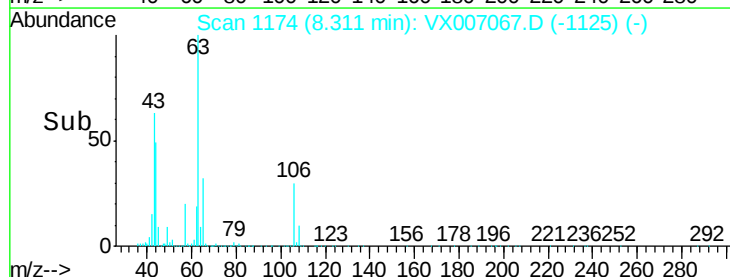
600000

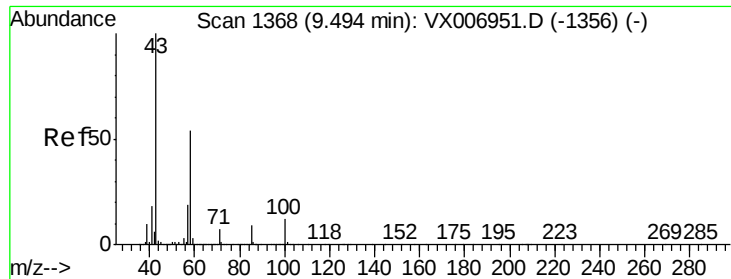
400000

200000

0

Time-->





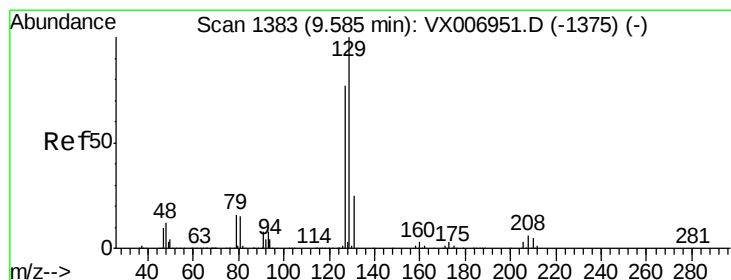
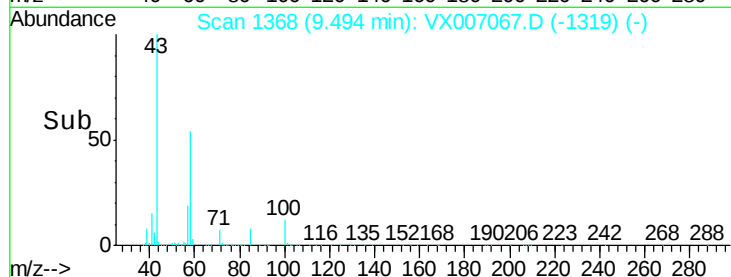
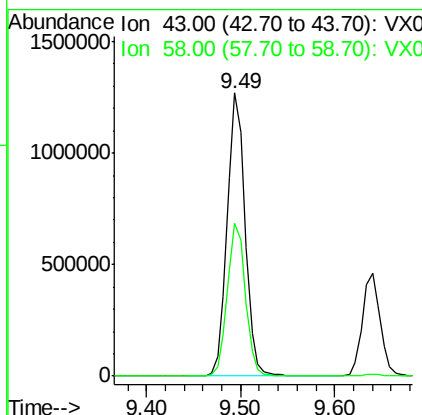
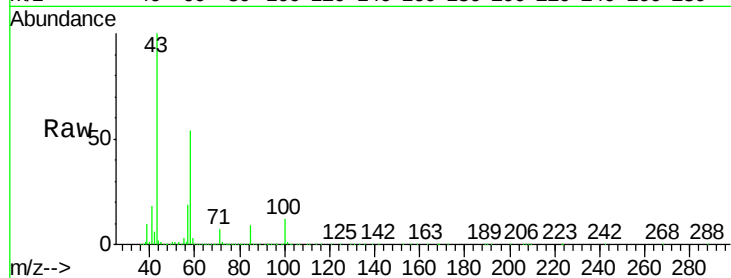
#59
2-Hexanone
Concen: 268.885 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1681712
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1

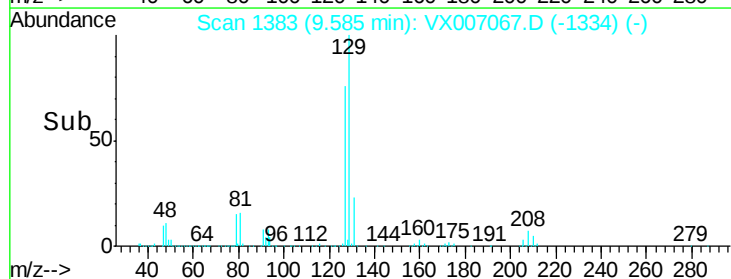
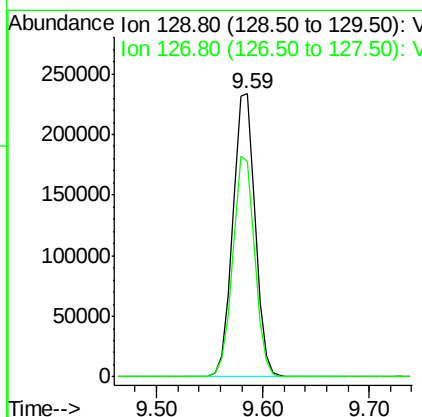
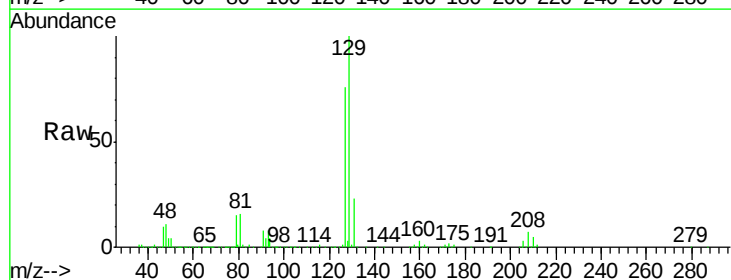
Manual Integrations
APPROVED

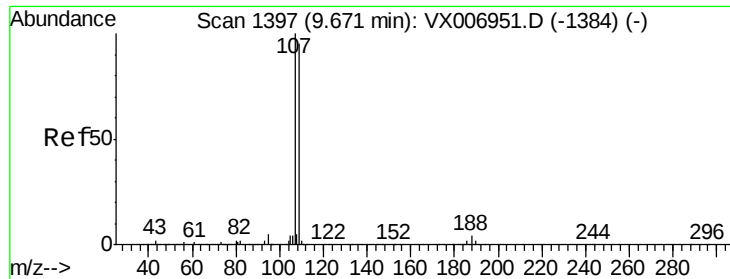
MMDadoda
1/17/2019 9:09:43 AM



#60
Dibromochloromethane
Concen: 59.982 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion: 129 Resp: 345276
Ion Ratio Lower Upper
129 100
127 76.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 54.039 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 352671

Ion Ratio Lower Upper

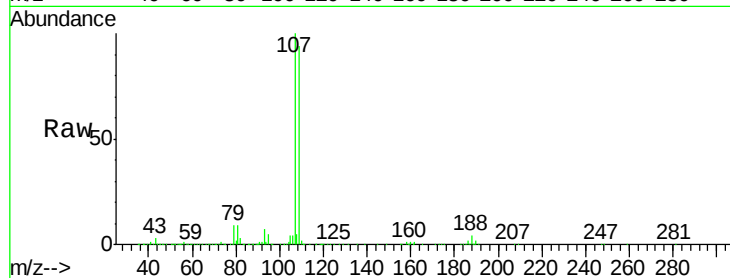
107 100

109 94.1 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

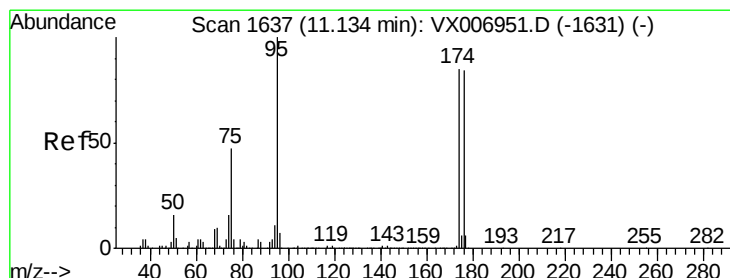
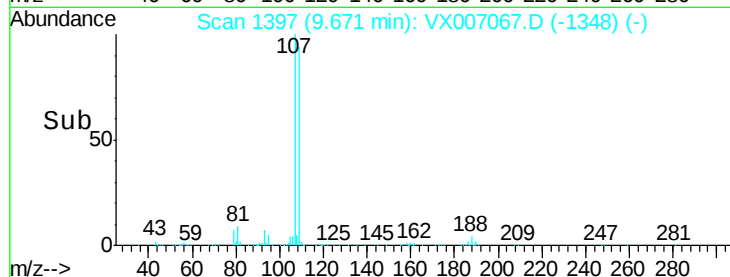
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.026 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

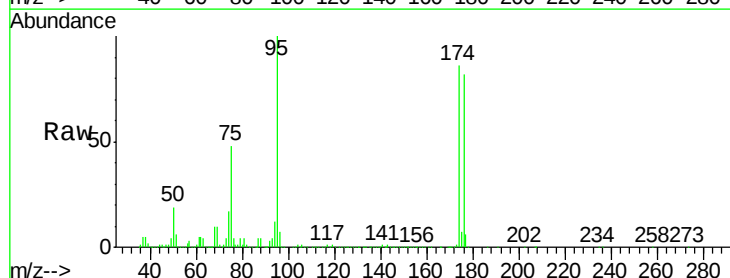
Tgt Ion: 95 Resp: 362191

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.2

176 92.7 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

11.13

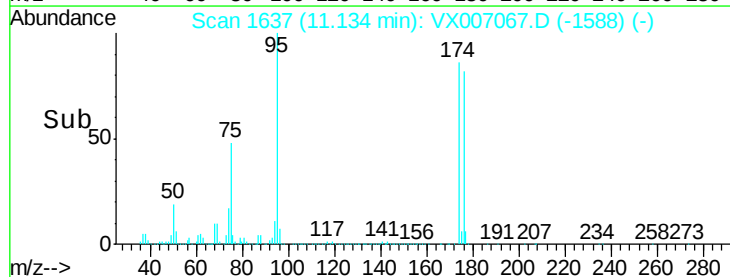
300000

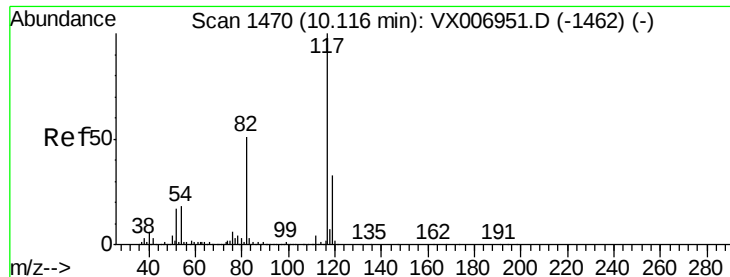
200000

100000

0

Time-->





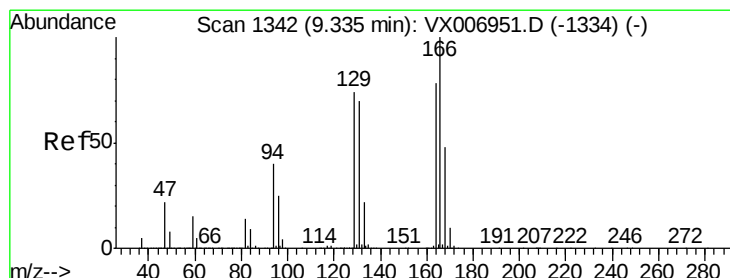
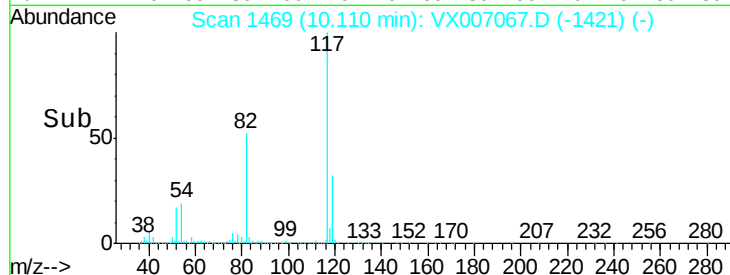
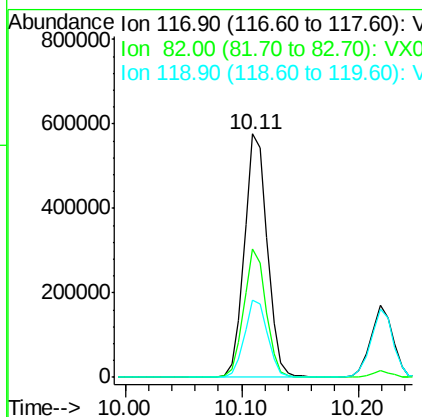
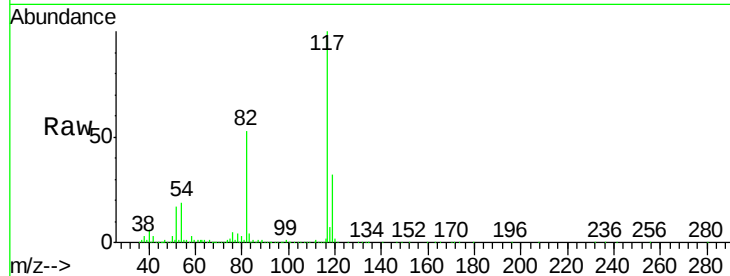
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	793866		
82	52.5	41.0	61.6	
119	31.7	25.4	38.0	

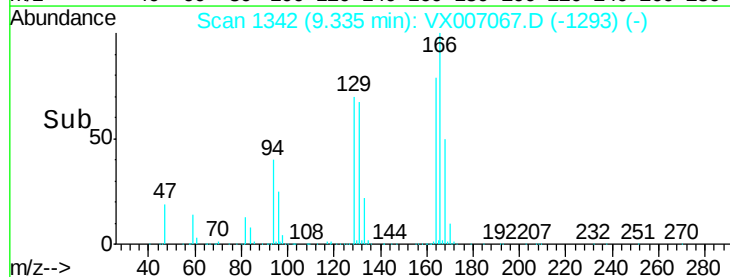
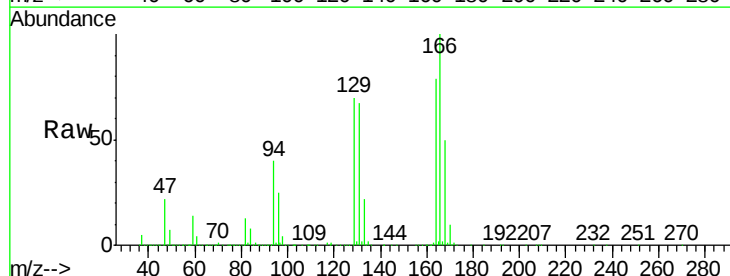
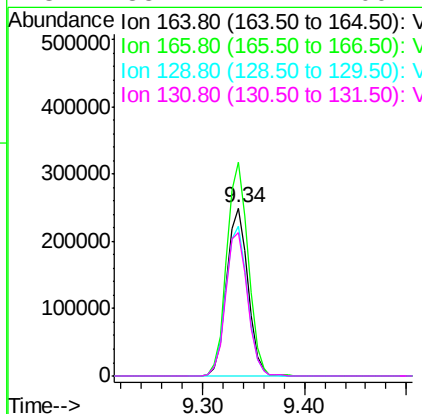
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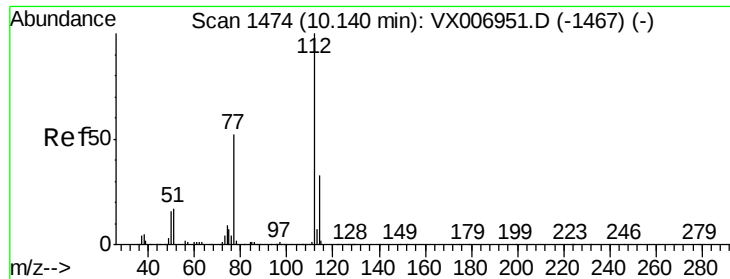
MMDadoda
1/17/2019 9:09:43 AM



#64
Tetrachloroethene
Concen: 52.413 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	360238		
166	127.1	102.5	153.7	
129	89.1	75.1	112.7	
131	85.4	72.7	109.1	





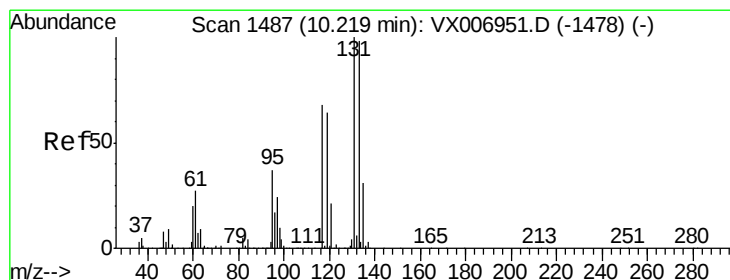
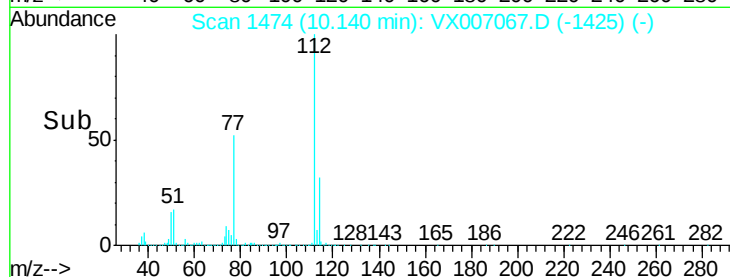
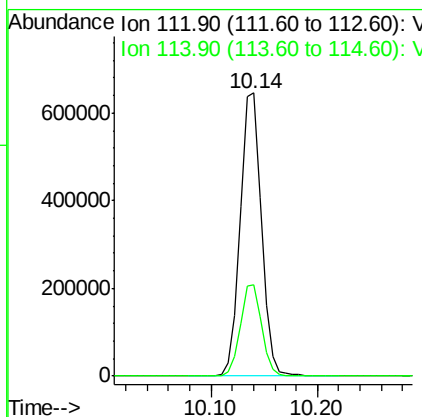
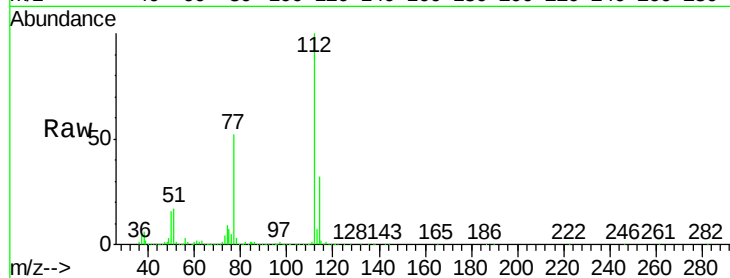
#65
Chlorobenzene
Concen: 52.473 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 908547
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

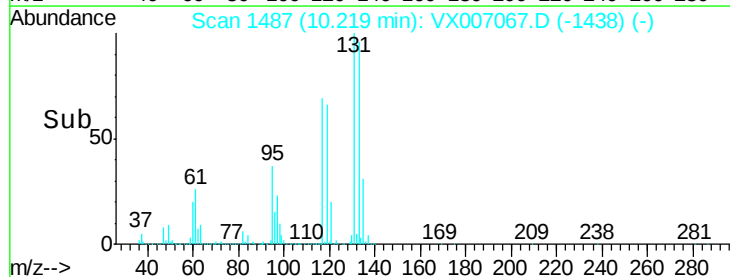
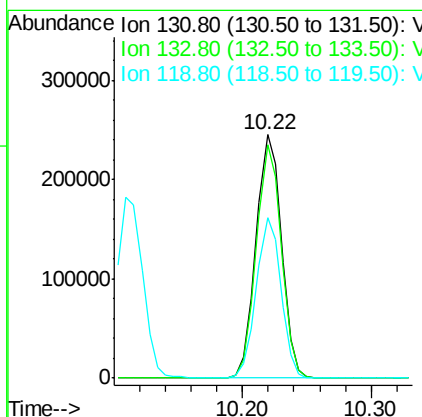
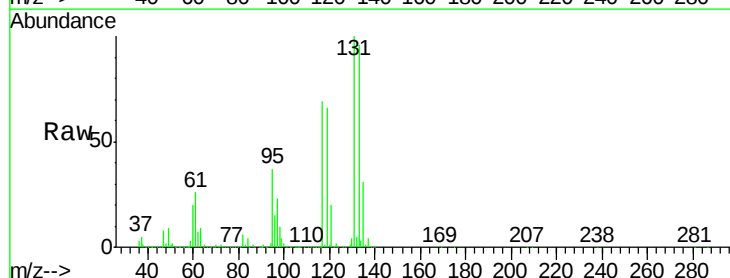
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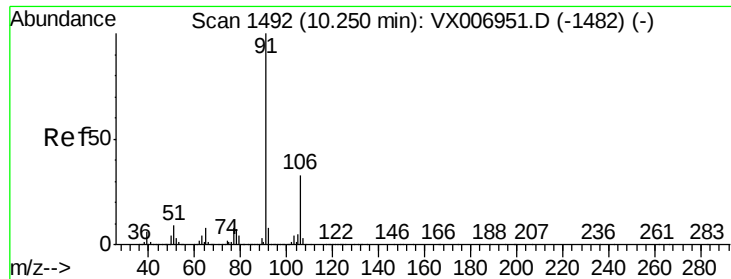
MMDadoda
1/17/2019 9:09:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.303 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion:131 Resp: 333772
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.2
119 64.3 32.6 97.8





#67

Ethyl Benzene

Concen: 53.488 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1528927

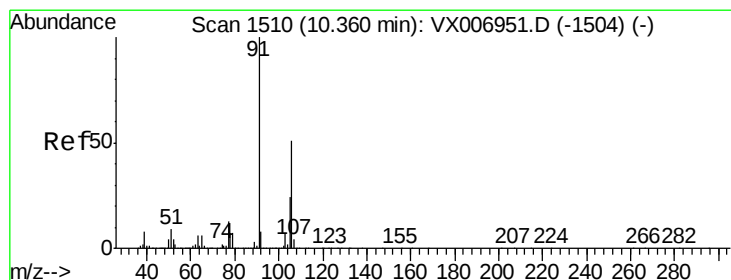
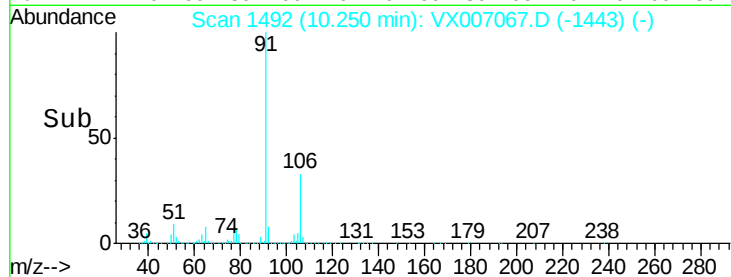
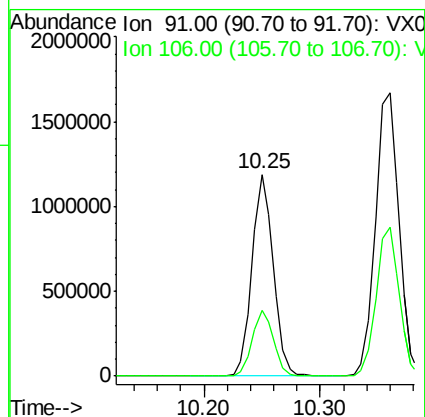
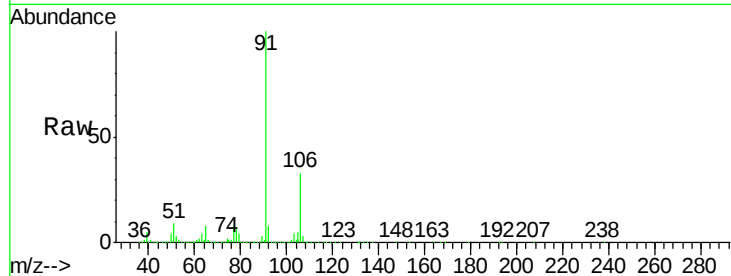
Ion Ratio Lower Upper

91 100

106 32.6 26.4 39.6

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 107.896 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007067.D

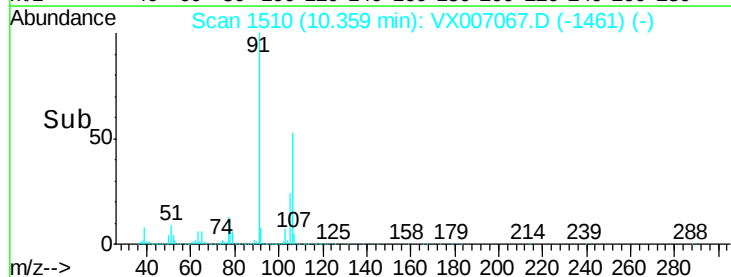
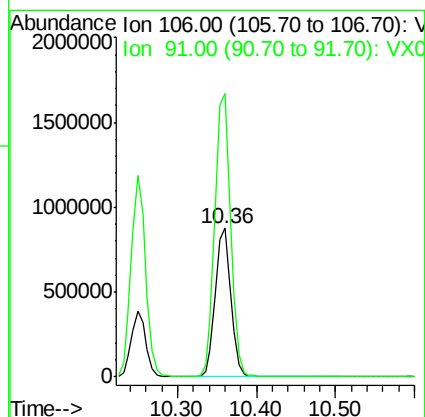
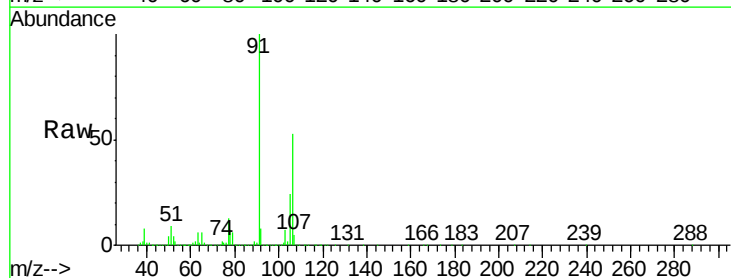
Acq: 16 Jan 2019 10:52

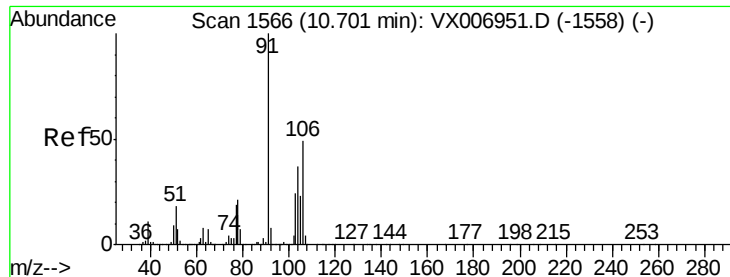
Tgt Ion: 106 Resp: 1215098

Ion Ratio Lower Upper

106 100

91 193.5 155.8 233.6





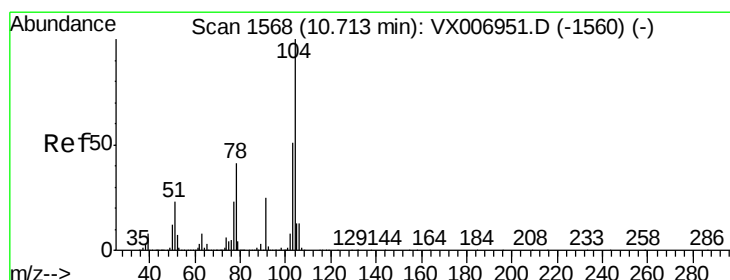
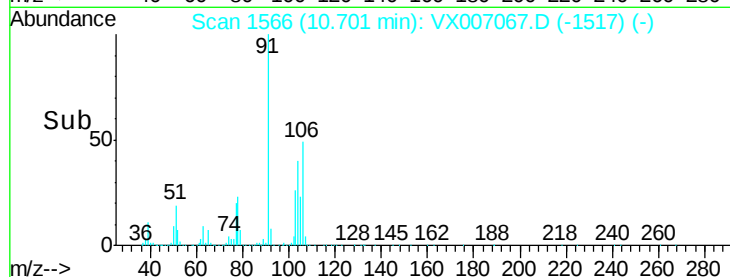
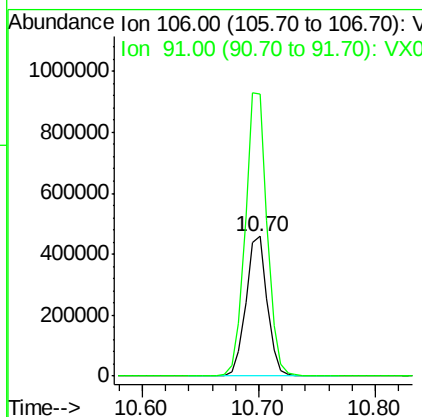
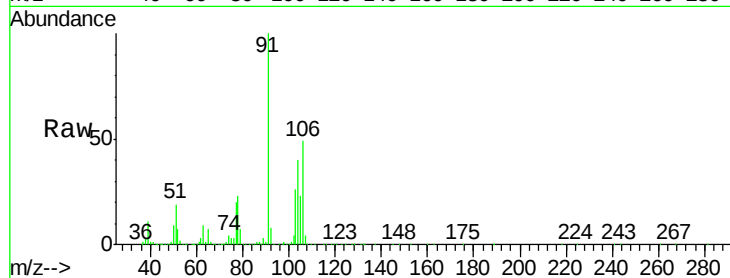
#69
o-Xylene
Concen: 53.528 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.4	101.3	303.7	

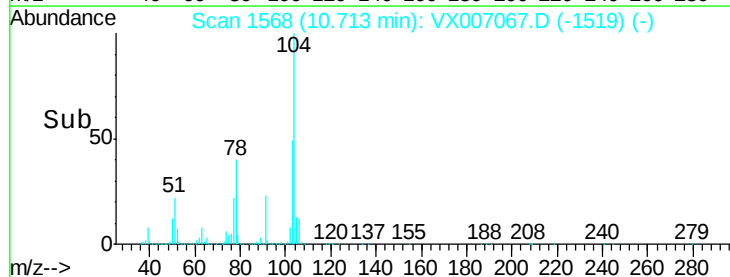
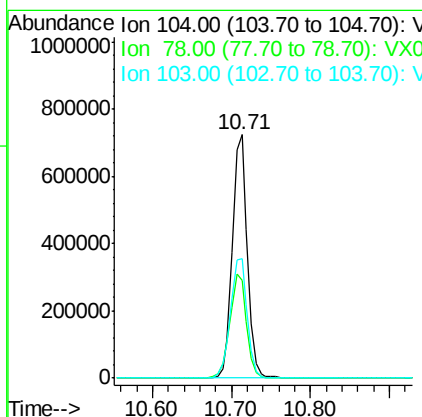
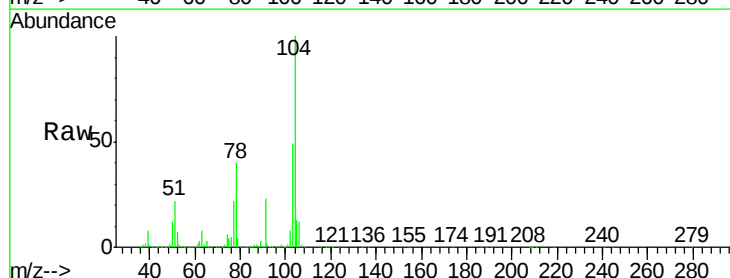
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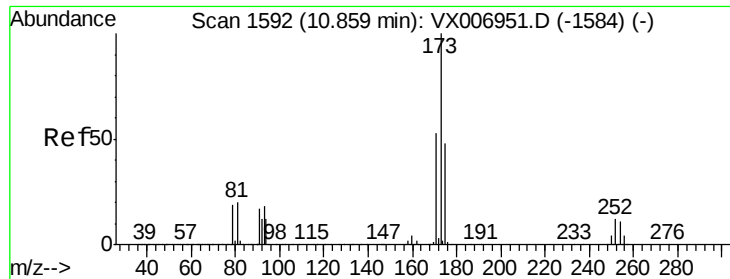
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#70
Styrene
Concen: 54.756 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.6	37.7	56.5	
103	55.5	43.8	65.8	





#71

Bromoform

Concen: 50.202 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

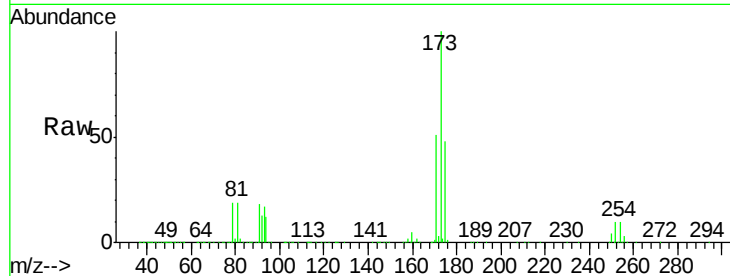
ClientSampleId :

VSTDCCC050

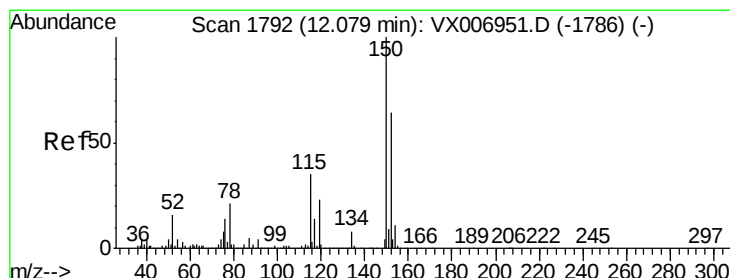
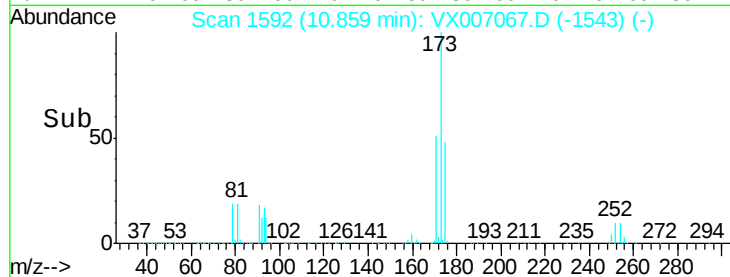
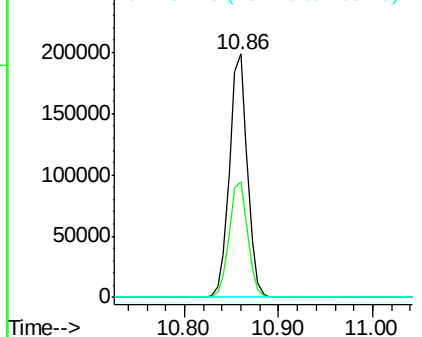
Tot Ion:	173	Resp:	261718
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2

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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

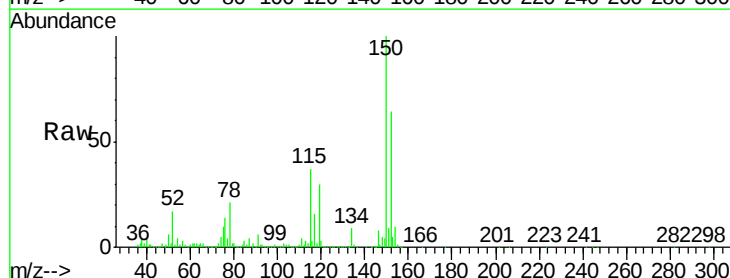
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

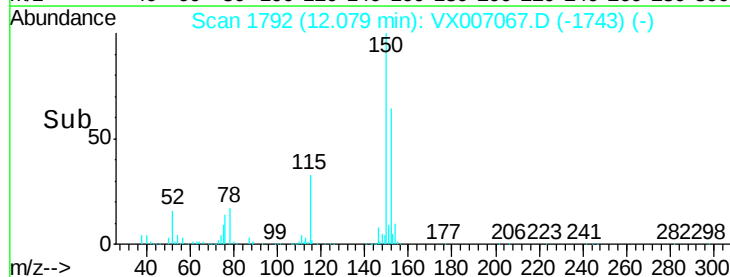
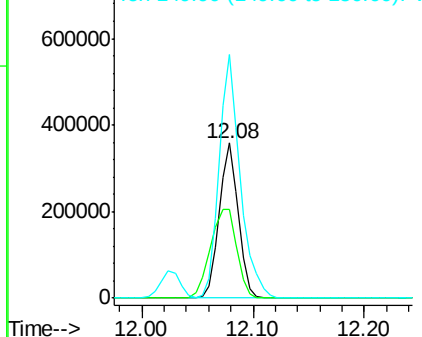
Lab File: VX007067.D

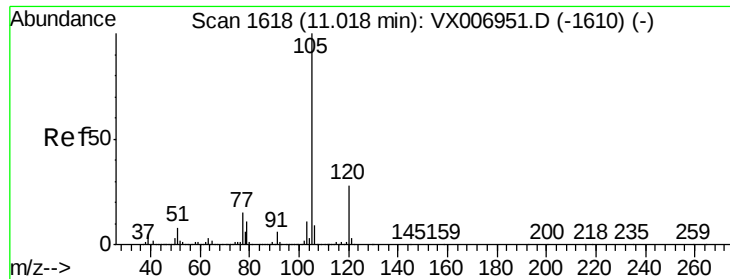
Acq: 16 Jan 2019 10:52

Tgt Ion:	152	Resp:	421020
Ion Ratio	Lower	Upper	
152	100		
115	80.3	39.1	117.2
150	175.1	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: 53.391 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1585053

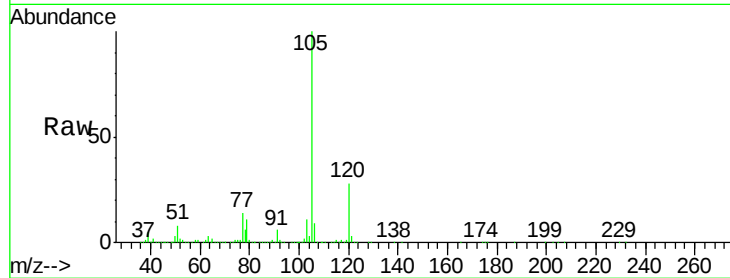
Ion Ratio Lower Upper

105 100

120 27.4 14.1 42.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

11.02

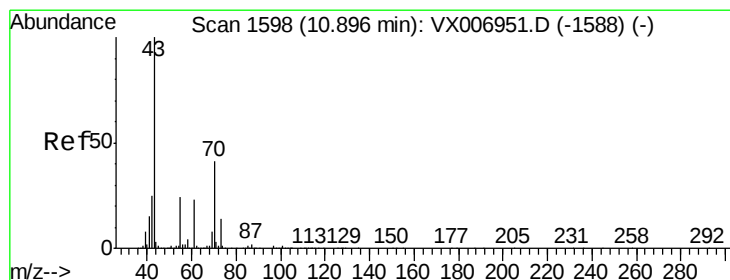
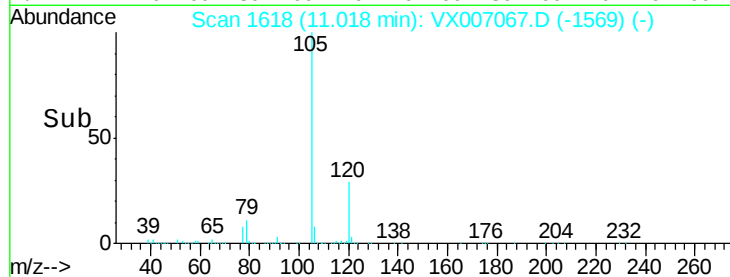
1000000

500000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 50.976 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion: 43 Resp: 609319

Ion Ratio Lower Upper

43 100

70 42.6 35.8 53.8

55 23.9 19.4 29.0

61 24.6 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

800000

600000

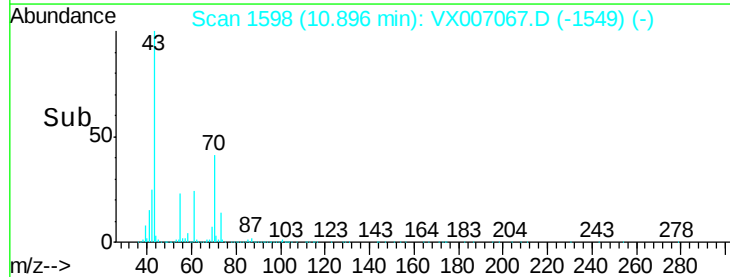
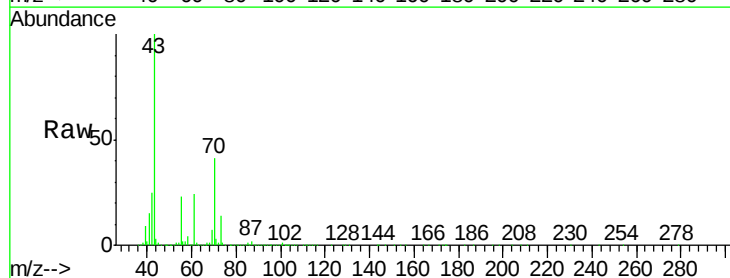
400000

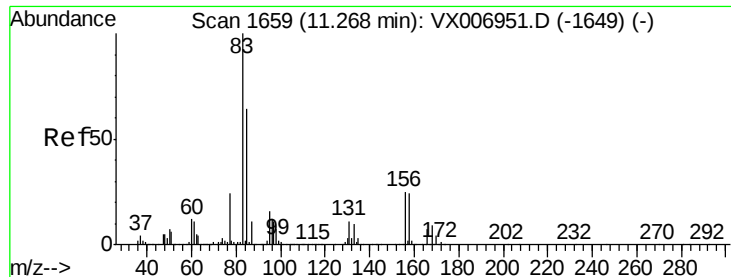
200000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.966 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 470925

Ion Ratio Lower Upper

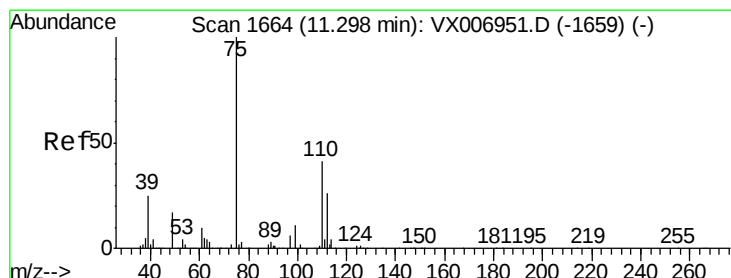
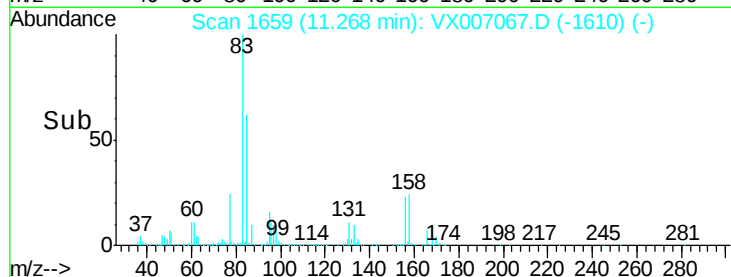
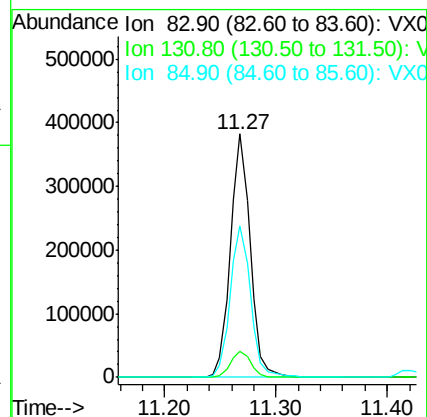
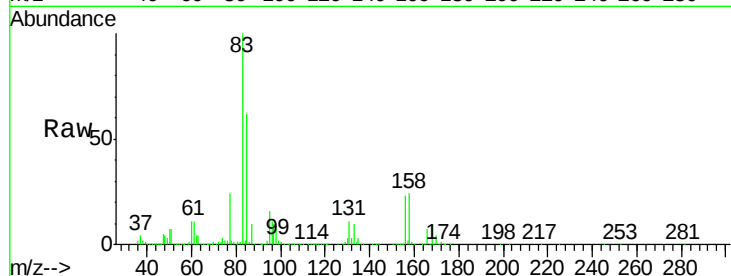
83 100

131 11.0 5.7 17.1

85 64.2 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 51.850 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007067.D

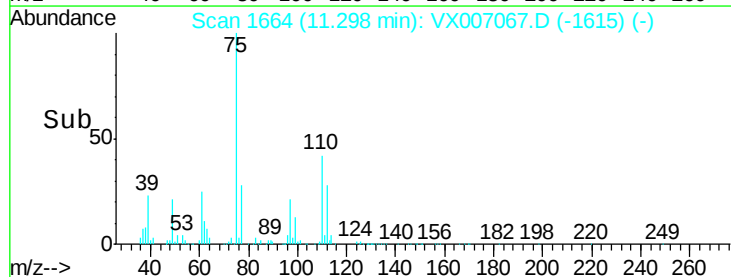
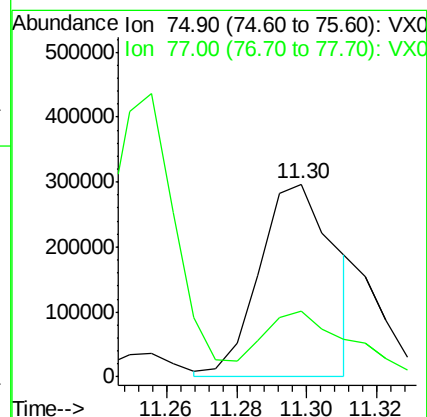
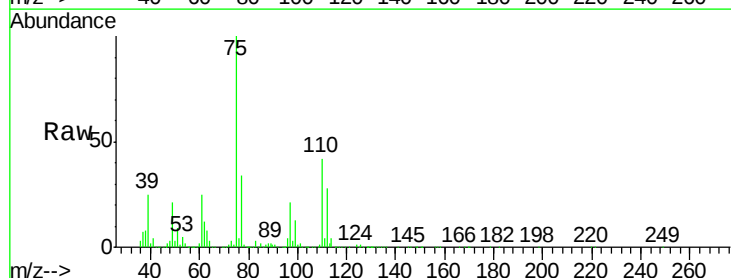
Acq: 16 Jan 2019 10:52

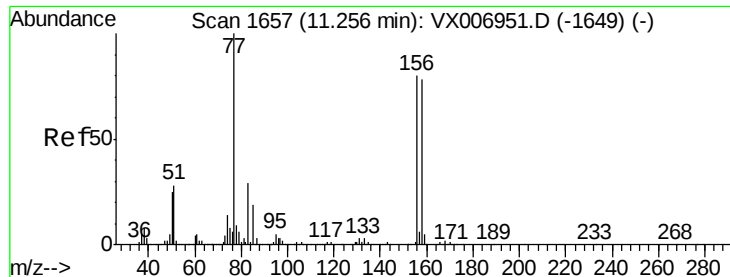
Tgt Ion: 75 Resp: 442375

Ion Ratio Lower Upper

75 100

77 39.1 18.5 55.5





#77

Bromobenzene

Concen: 51.348 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

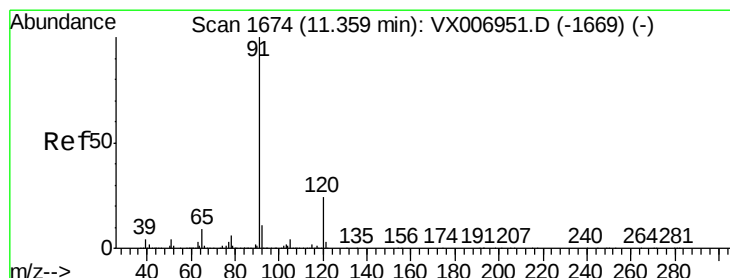
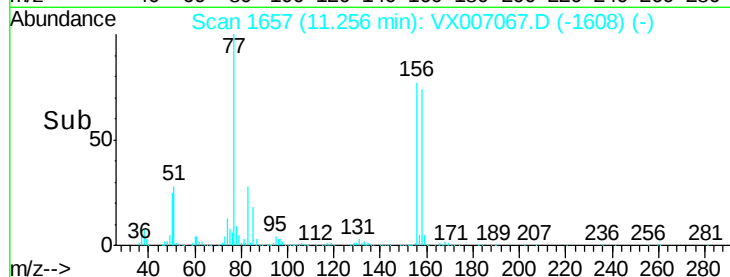
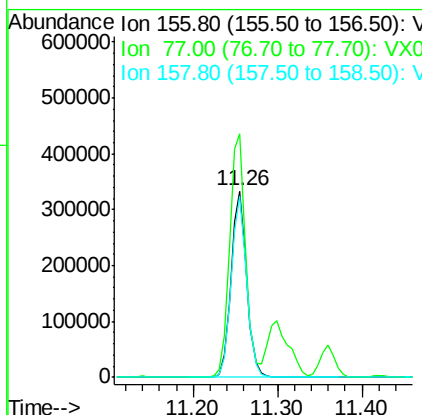
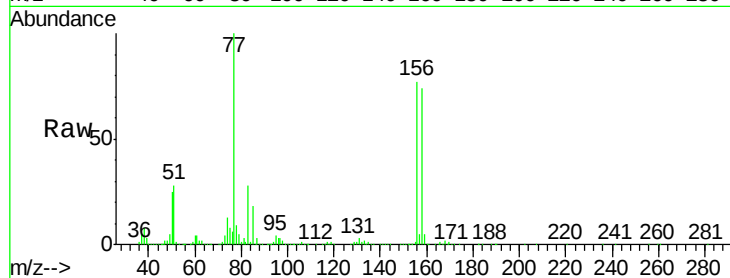
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	420031
Ion Ratio	Lower	Upper	
156	100		
77	135.9	68.0	204.0
158	96.8	48.3	144.8

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#78

n-propylbenzene

Concen: 54.579 ug/l

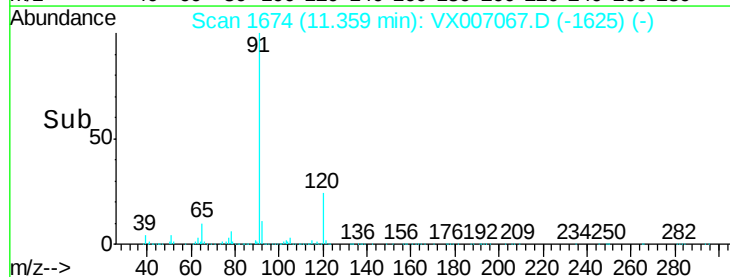
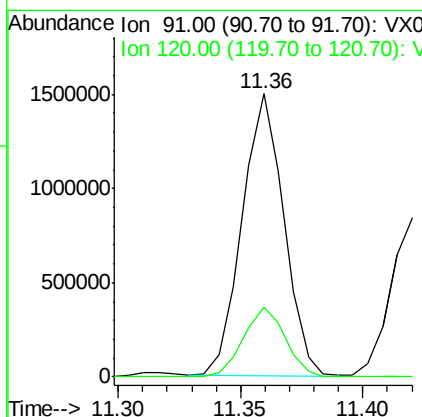
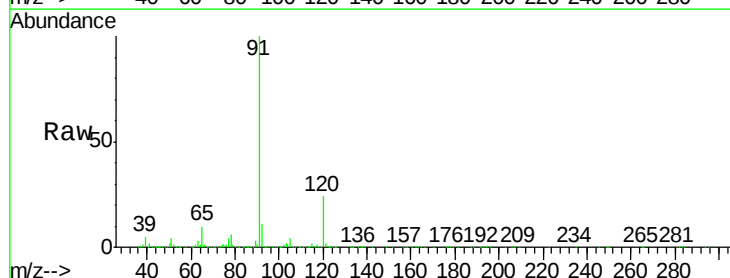
RT: 11.36 min Scan# 1674

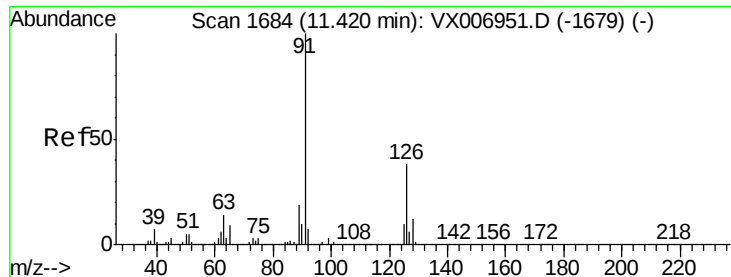
Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	91	Resp:	1778762
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.7	38.0





#79

2-Chlorotoluene

Concen: 51.953 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1019235

Ion Ratio Lower Upper

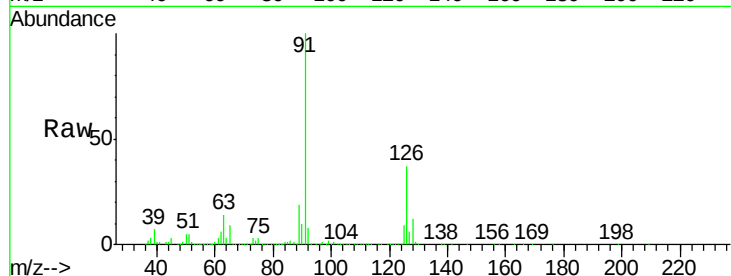
91 100

126 37.3 18.6 56.0

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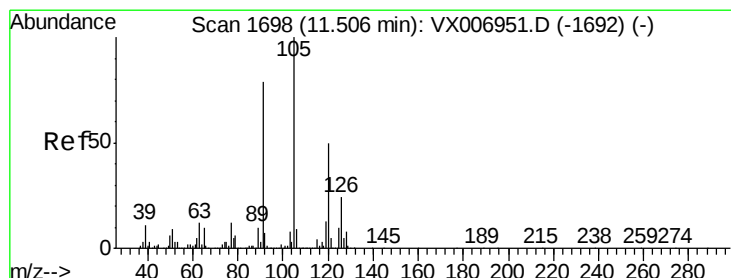
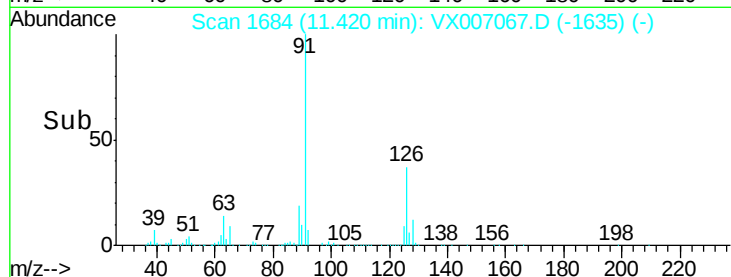
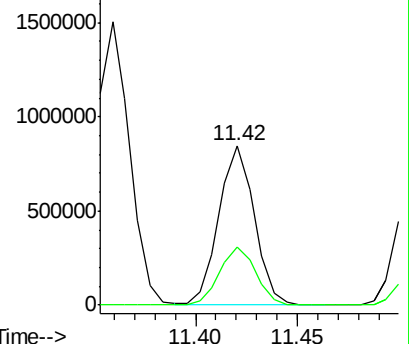
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Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006951.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.868 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007067.D

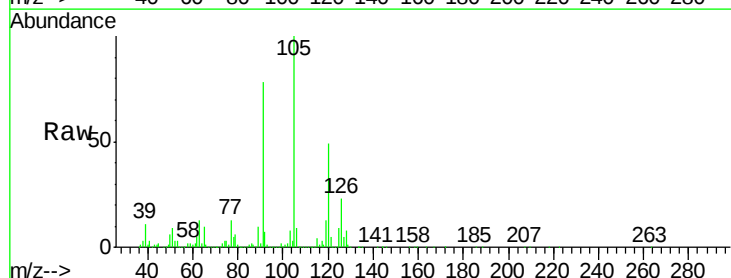
Acq: 16 Jan 2019 10:52

Tgt Ion: 105 Resp: 1311465

Ion Ratio Lower Upper

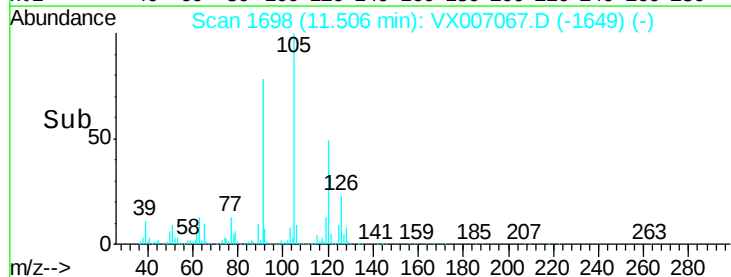
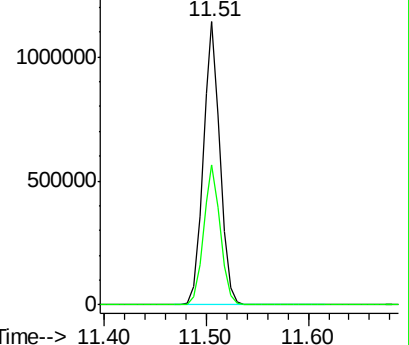
105 100

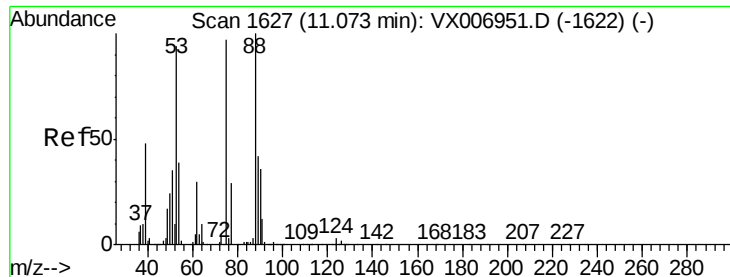
120 49.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)





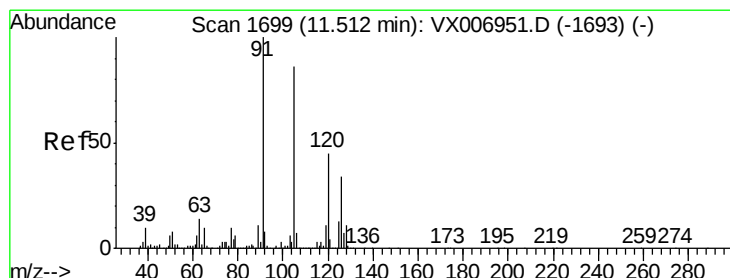
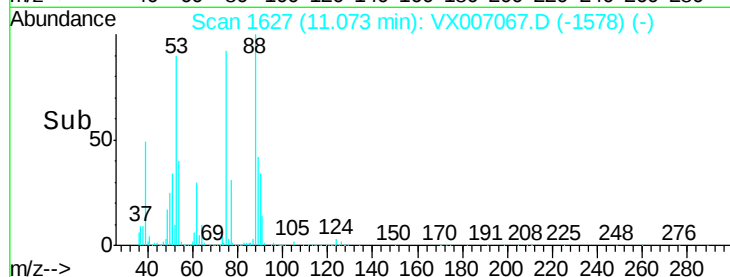
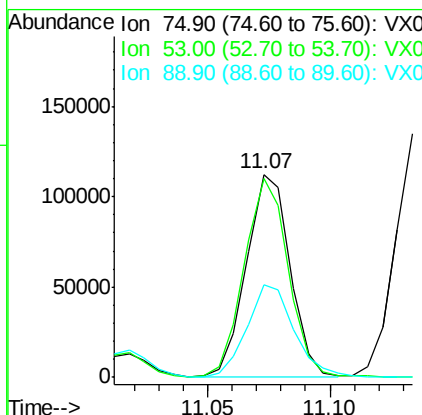
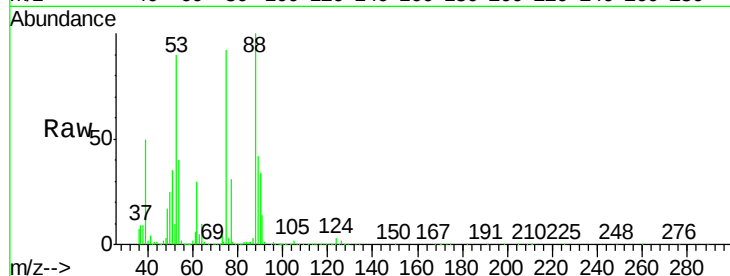
#81
trans-1,4-Dichloro-2-butene
Concen: 49.368 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	79.7	119.5
89	49.8	38.0	57.0

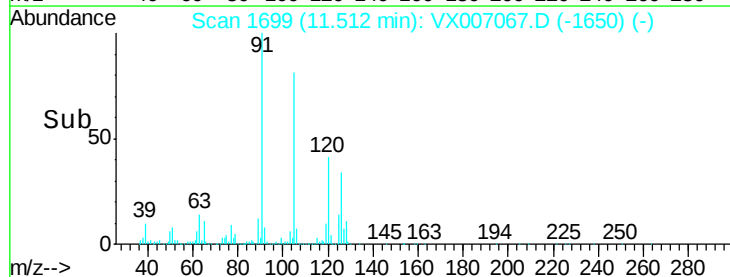
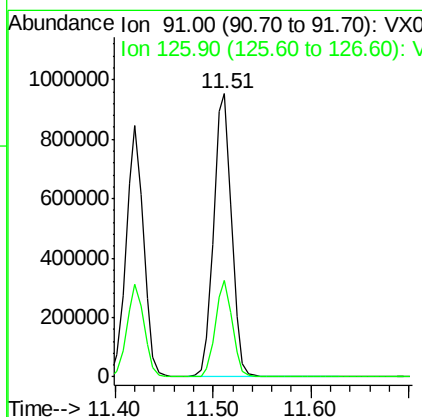
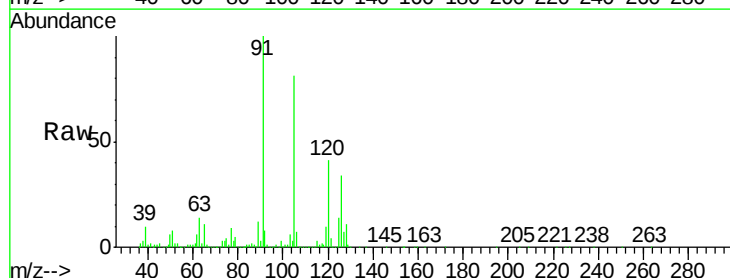
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#82
4-Chlorotoluene
Concen: 53.142 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.9





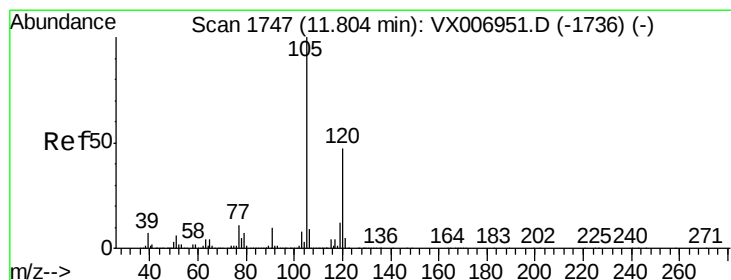
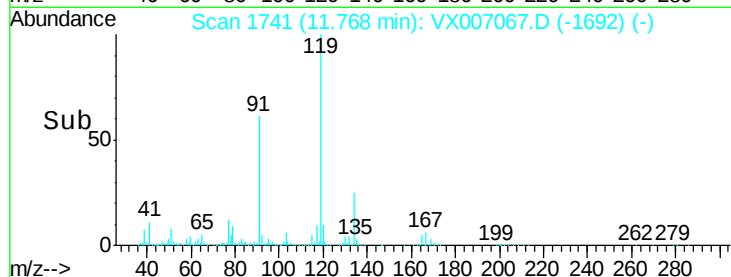
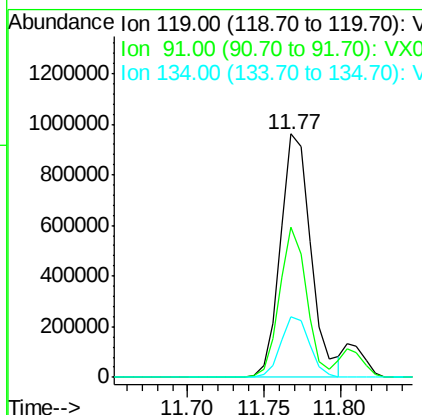
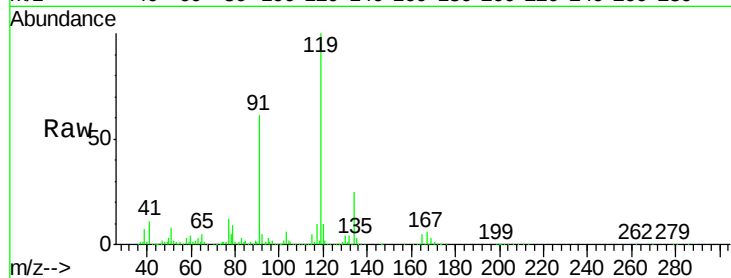
#83
 tert-Butylbenzene
 Concen: 53.654 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1327936
 Ion Ratio Lower Upper
 119 100
 91 54.8 27.7 83.1
 134 23.7 11.9 35.5

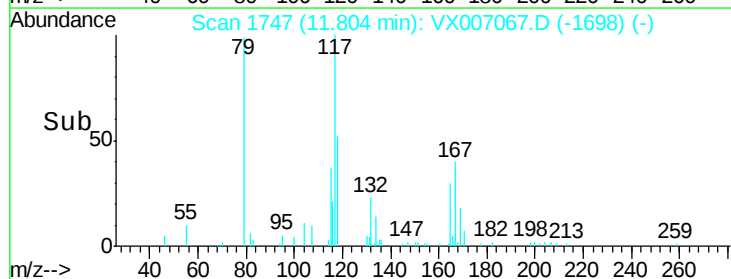
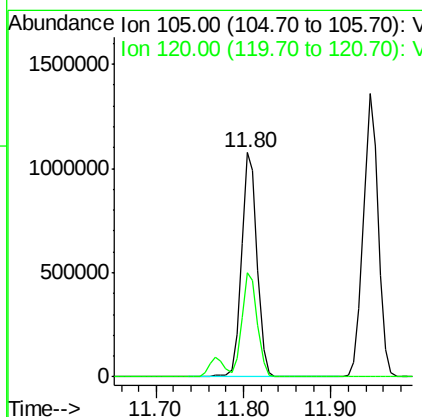
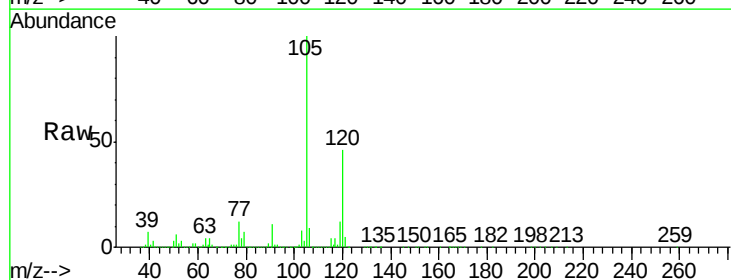
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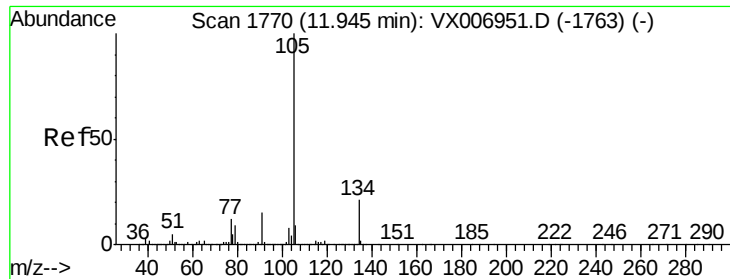
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.513 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Tgt Ion:105 Resp: 1334874
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.6





#85

sec-Butylbenzene

Concen: 54.762 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1618661

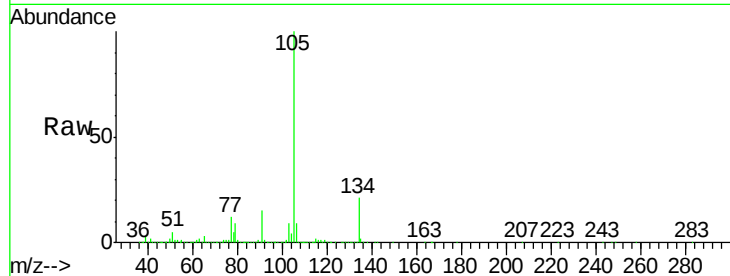
Ion Ratio Lower Upper

105 100

134 21.2 10.7 31.9

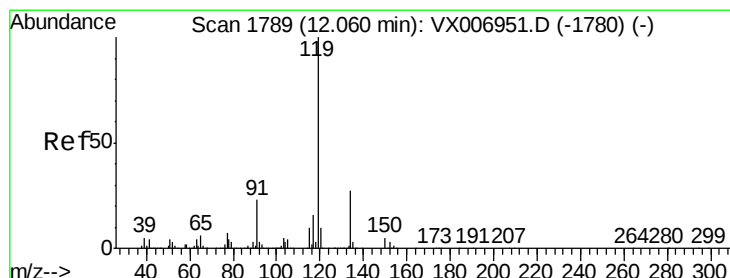
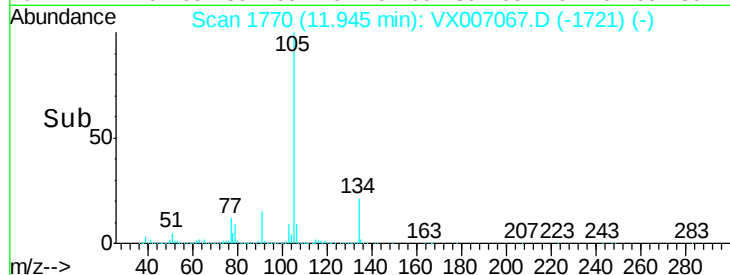
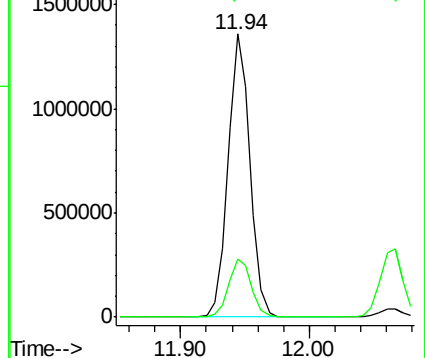
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.540 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

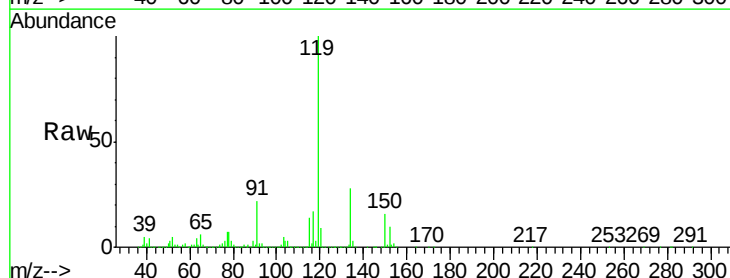
Tgt Ion:119 Resp: 1441990

Ion Ratio Lower Upper

119 100

134 27.6 14.0 41.9

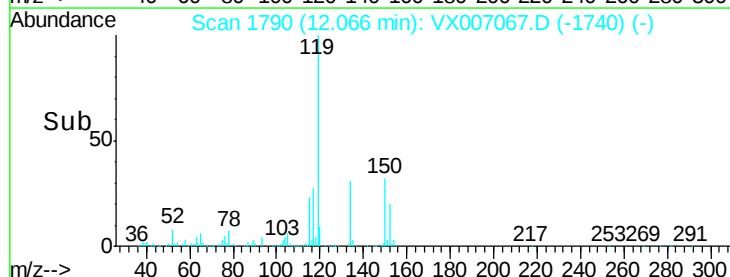
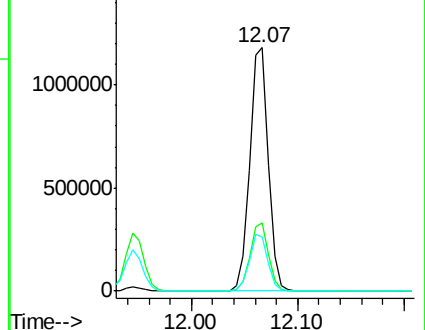
91 23.2 11.3 33.9

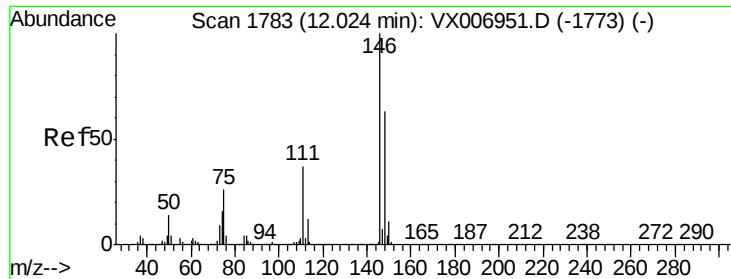


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





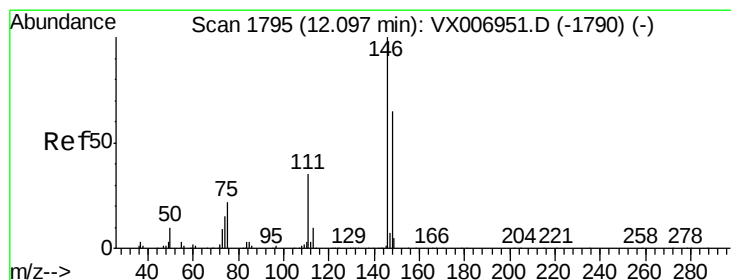
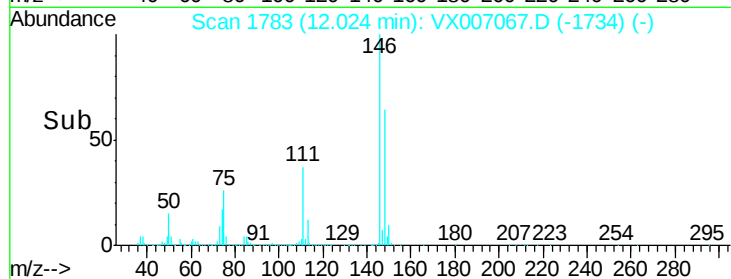
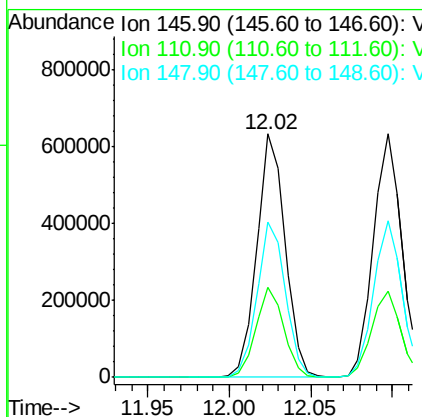
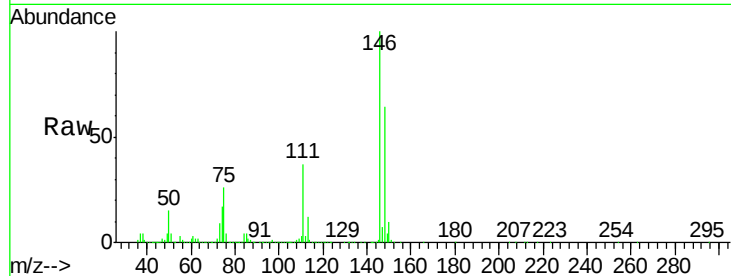
#87
 1,3-Dichlorobenzene
 Concen: 51.767 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	63.9	31.8	95.3

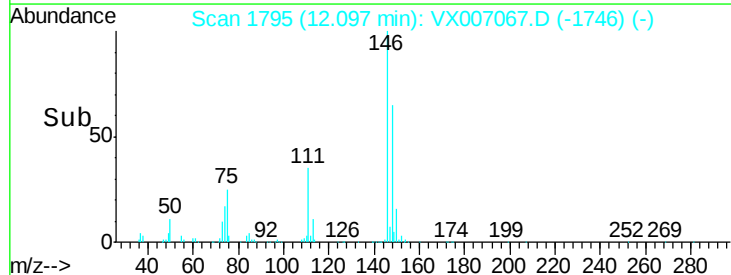
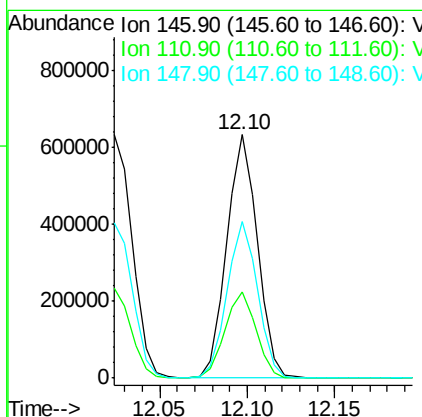
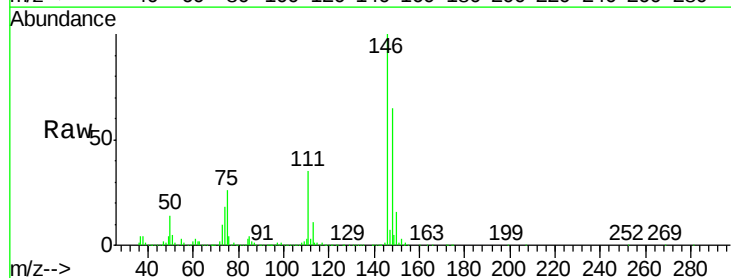
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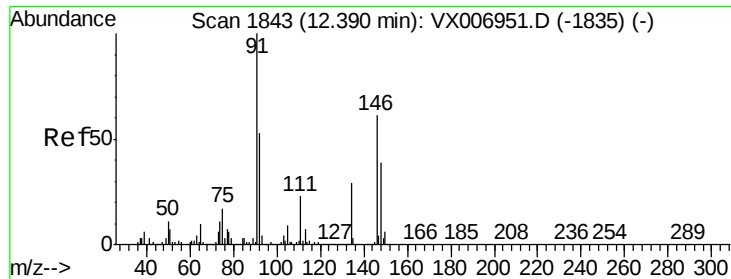
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#88
 1,4-Dichlorobenzene
 Concen: 54.967 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.2	31.9	95.9





#89

n-Butylbenzene

Concen: 56.733 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1278658

Ion Ratio Lower Upper

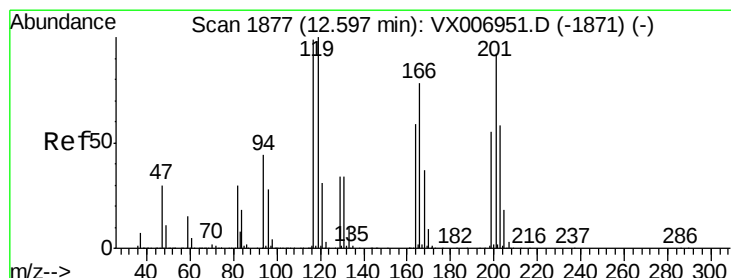
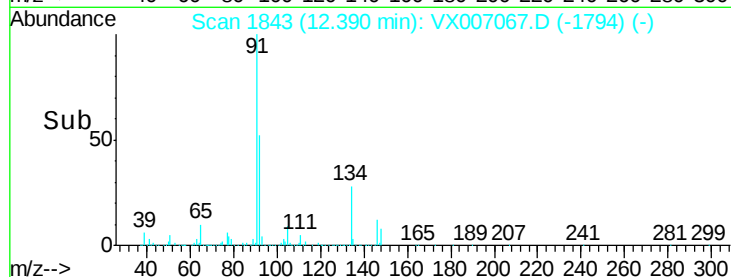
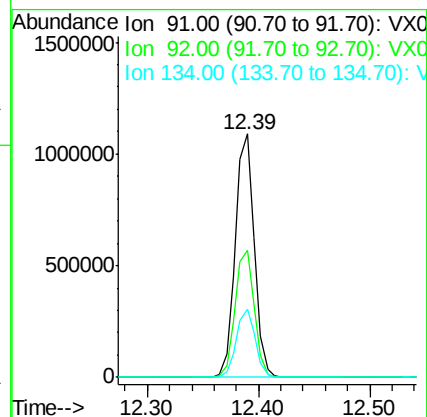
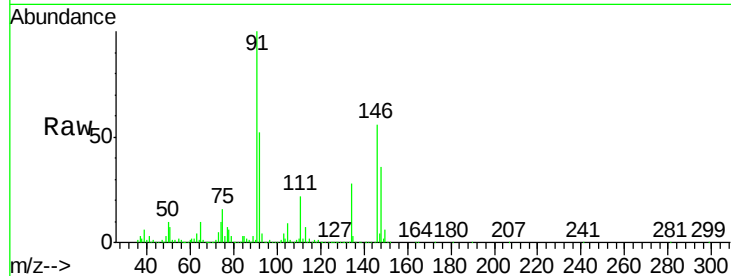
91 100

92 52.8 26.8 80.4

134 27.8 14.4 43.2

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#90

Hexachloroethane

Concen: 53.455 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007067.D

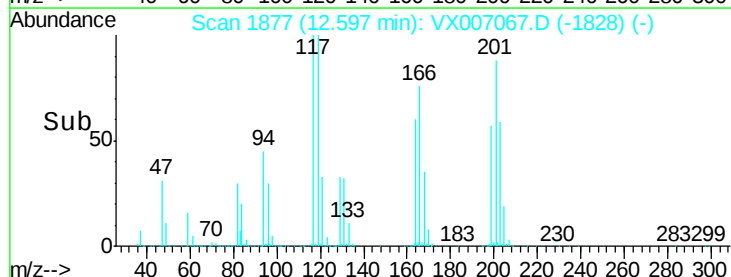
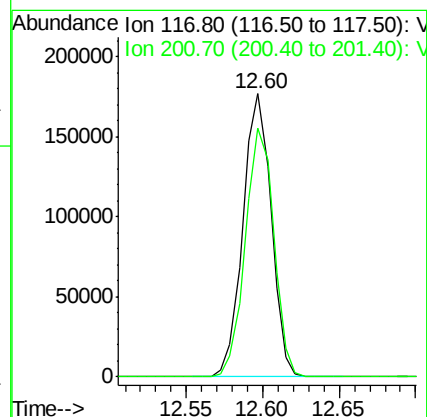
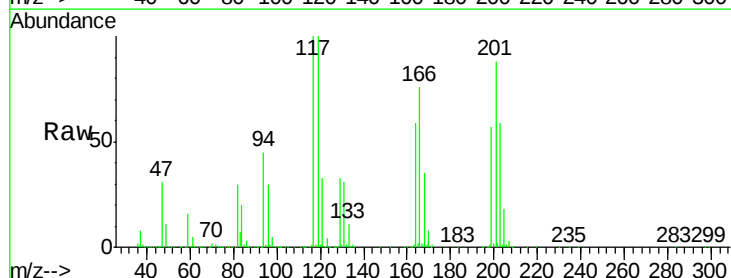
Acq: 16 Jan 2019 10:52

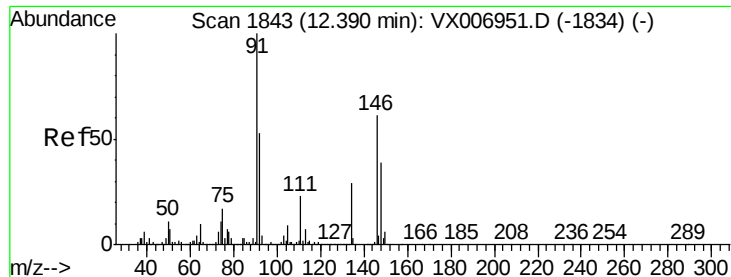
Tgt Ion: 117 Resp: 226522

Ion Ratio Lower Upper

117 100

201 88.7 42.9 128.7





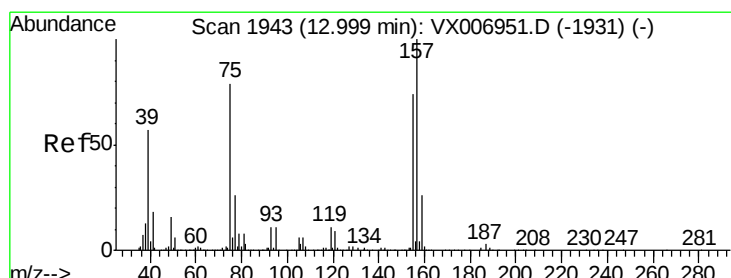
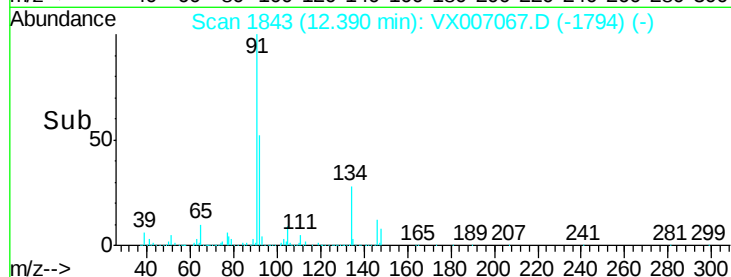
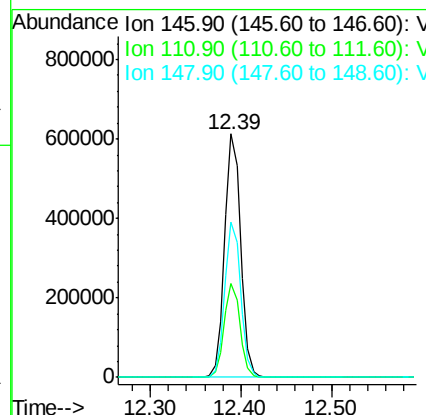
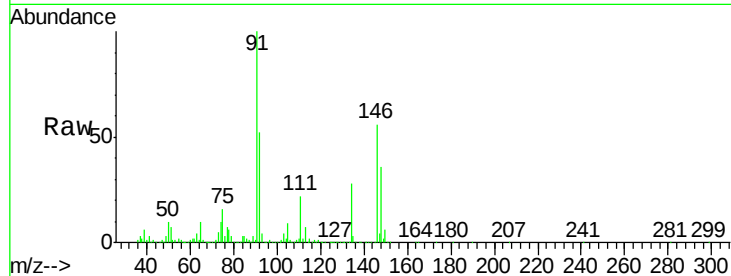
#91
 1,2-Dichlorobenzene
 Concen: 51.971 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	63.3	32.3	96.9

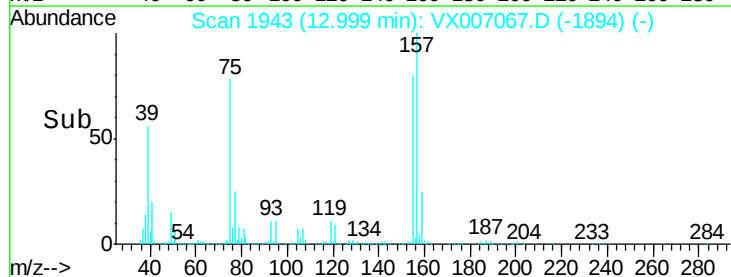
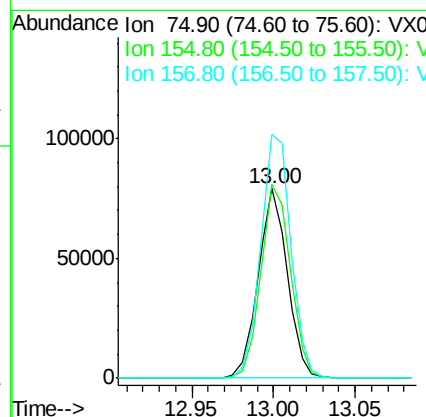
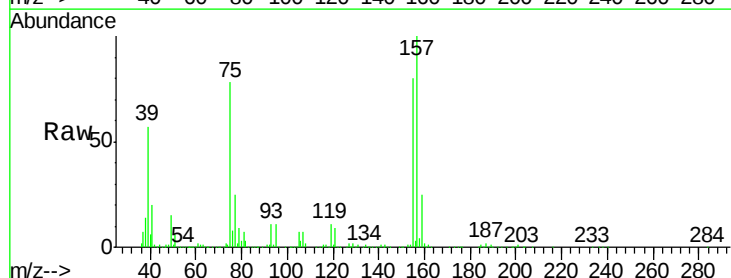
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.972 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007067.D
 Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	50.6	151.8
157	133.5	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 54.892 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Instrument :

MSVOA_X

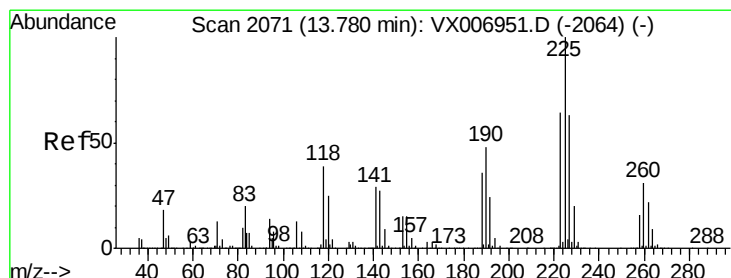
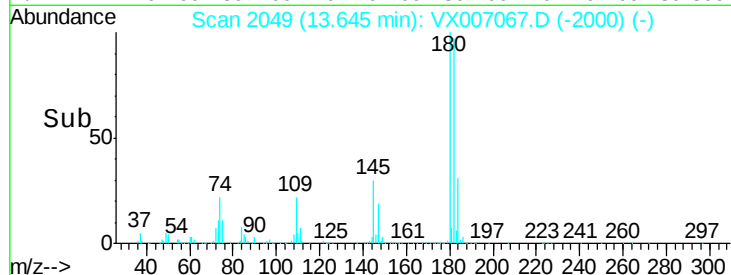
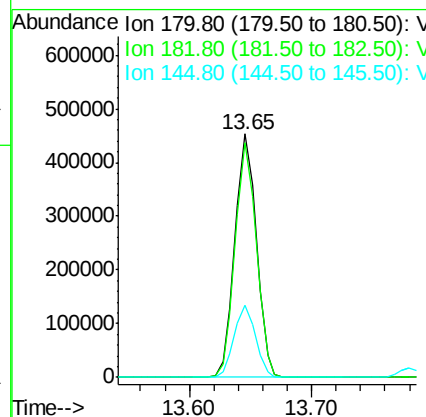
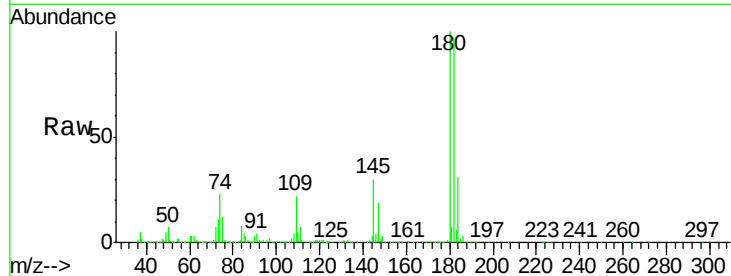
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	549494
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.3	142.0
145	29.1	14.8	44.3

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 56.813 ug/l

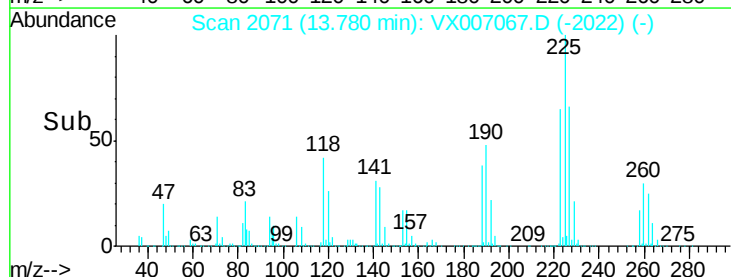
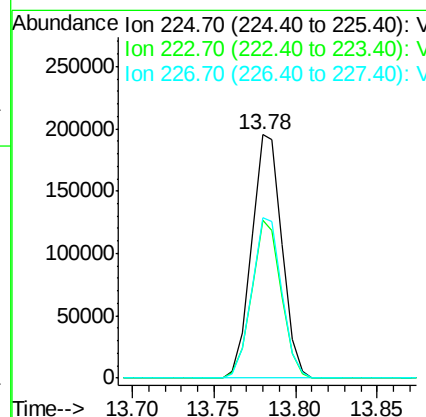
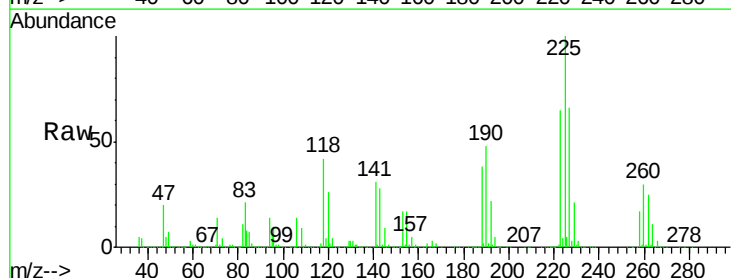
RT: 13.78 min Scan# 2071

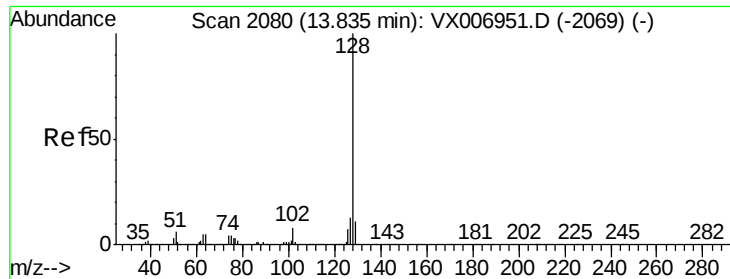
Delta R.T. -0.00 min

Lab File: VX007067.D

Acq: 16 Jan 2019 10:52

Tgt Ion:	225	Resp:	252382
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.1	96.3
227	64.9	32.3	96.8





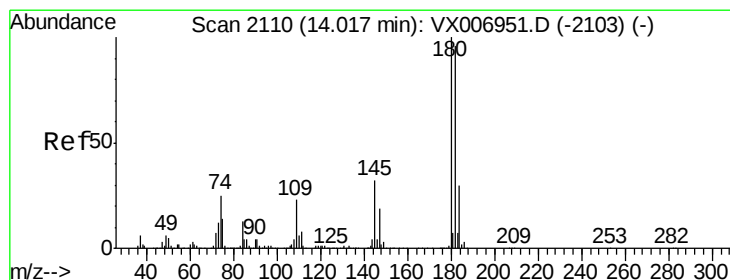
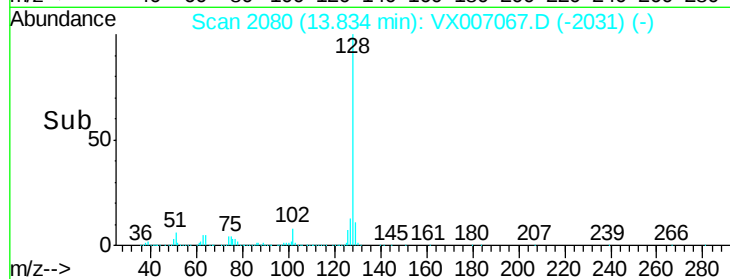
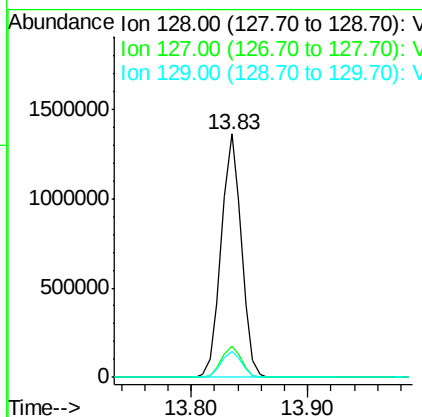
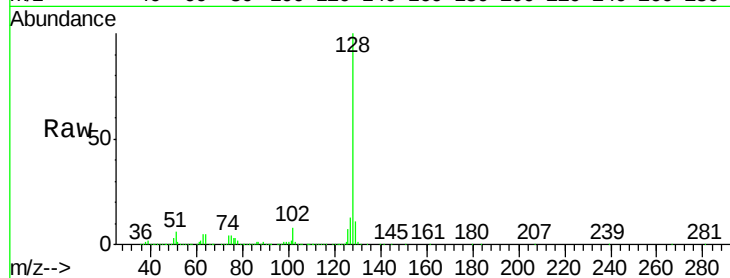
#95
Naphthalene
Concen: 53.395 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:09:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.499 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007067.D
Acq: 16 Jan 2019 10:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.5	145.5
145	30.5	16.0	47.9

