

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011119\
 Data File : VX007028.D
 Acq On : 11 Jan 2019 21:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:40:37 AM

Quant Time: Jan 11 23:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	496946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	741297	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	706996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	359552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	256874	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	5.51	113	236622	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	8.71	98	877523	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	317700	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	219099	53.689	ug/l	98
3) Chloromethane	1.33	50	251355	52.909	ug/l	98
4) Vinyl Chloride	1.41	62	260258	50.928	ug/l	99
5) Bromomethane	1.64	94	264449	48.435	ug/l	96
6) Chloroethane	1.71	64	172334	48.296	ug/l	100
7) Trichlorofluoromethane	1.92	101	416456	50.436	ug/l	99
8) Diethyl Ether	2.19	74	159970	48.697	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	238312	48.207	ug/l	98
10) Methyl Iodide	2.51	142	379353	56.889	ug/l	99
11) Tert butyl alcohol	3.08	59	313875	256.200	ug/l	99
12) 1,1-Dichloroethene	2.37	96	229167	50.175	ug/l	99
13) Acrolein	2.30	56	104222	197.902	ug/l	97
14) Allyl chloride	2.73	41	388553	49.639	ug/l	100
15) Acrylonitrile	3.15	53	725819	258.076	ug/l	100
16) Acetone	2.45	43	617449	240.486	ug/l	99
17) Carbon Disulfide	2.57	76	547259	46.540	ug/l	99
18) Methyl Acetate	2.78	43	384522	51.715	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	798060	50.343	ug/l	99
20) Methylene Chloride	2.85	84	264670	54.246	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	243683	47.877	ug/l	99
22) Diisopropyl ether	3.87	45	742933	50.486	ug/l	94
23) Vinyl Acetate	3.82	43	3104742	250.181	ug/l	99
24) 1,1-Dichloroethane	3.70	63	406573	49.411	ug/l	99
25) 2-Butanone	4.70	43	938796	255.543	ug/l	99
26) 2,2-Dichloropropane	4.59	77	269596	42.608	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	272509	48.540	ug/l	100
28) Bromochloromethane	5.02	49	181636	50.382	ug/l	95
29) Tetrahydrofuran	5.15	42	603695	252.860	ug/l	98
30) Chloroform	5.21	83	434907	50.482	ug/l	97
31) Cyclohexane	5.57	56	360592	49.237	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	368869	50.514	ug/l	99
36) 1,1-Dichloropropene	5.79	75	314929	48.864	ug/l	99
37) Ethyl Acetate	4.85	43	348045	50.371	ug/l	99
38) Carbon Tetrachloride	5.78	117	318799	49.164	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	397780	48.413	ug/l	99
40) Benzene	6.14	78	978304	49.747	ug/l	100
41) Methacrylonitrile	5.06	41	191737	48.169	ug/l	98
42) 1,2-Dichloroethane	6.20	62	331333	48.757	ug/l	99
43) Isopropyl Acetate	6.46	43	555000	50.922	ug/l	99
44) Trichloroethene	7.21	130	287256	48.745	ug/l	98
45) 1,2-Dichloropropane	7.52	63	239107	48.363	ug/l	98
46) Dibromomethane	7.66	93	175133	50.403	ug/l	98
47) Bromodichloromethane	7.90	83	307698	52.025	ug/l	95
48) Methyl methacrylate	7.77	41	290240	51.856	ug/l	98
49) 1,4-Dioxane	7.75	88	136626	1069.500	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1849882	264.106	ug/l	99
52) Toluene	8.79	92	644334	50.977	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	335374	51.138	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	372674	51.456	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	266259	52.629	ug/l	97
56) Ethyl methacrylate	9.18	69	400346	54.205	ug/l	96
57) 1,3-Dichloropropane	9.37	76	425757	51.368	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1000961	263.587	ug/l	100
59) 2-Hexanone	9.49	43	1408705	263.917	ug/l	99
60) Dibromochloromethane	9.59	129	270272	55.016	ug/l	99
61) 1,2-Dibromoethane	9.67	107	288546	51.807	ug/l	100
64) Tetrachloroethene	9.34	164	281836	46.044	ug/l	94
65) Chlorobenzene	10.14	112	733375	47.560	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	261528	50.417	ug/l	99
67) Ethyl Benzene	10.25	91	1238190	48.639	ug/l	98
68) m/p-Xylenes	10.36	106	988666	98.576	ug/l	100
69) o-Xylene	10.70	106	477230	48.790	ug/l	96
70) Styrene	10.71	104	780891	50.408	ug/l	100
71) Bromoform	10.86	173	202440	44.224	ug/l	98
73) Isopropylbenzene	11.02	105	1268891	50.048	ug/l	99
74) N-amyl acetate	10.90	43	510495	50.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	391013	48.580	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	360100m	49.422	ug/l	
77) Bromobenzene	11.26	156	340833	48.789	ug/l	99
78) n-propylbenzene	11.36	91	1410968	50.695	ug/l	99
79) 2-Chlorotoluene	11.42	91	823433	49.148	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1037879	48.992	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	103418	43.377	ug/l	99
82) 4-Chlorotoluene	11.51	91	951760	49.063	ug/l	99
83) tert-Butylbenzene	11.77	119	1057759	50.044	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1065420	50.012	ug/l	100
85) sec-Butylbenzene	11.94	105	1262728	50.023	ug/l	100
86) p-Isopropyltoluene	12.07	119	1132684	50.165	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	601488	47.636	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	608245	50.839	ug/l	100
89) n-Butylbenzene	12.39	91	965803	50.177	ug/l	98
90) Hexachloroethane	12.60	117	167930	46.786	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	599446	48.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	81090	50.940	ug/l	99

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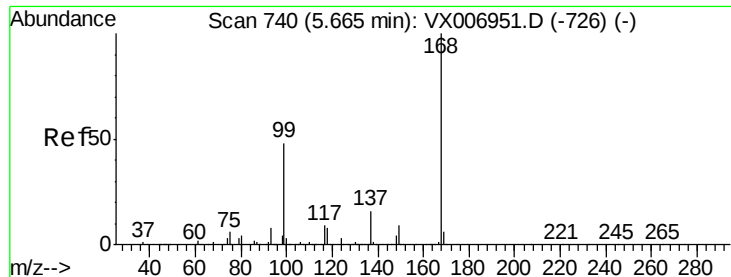
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	419340	49.051	ug/l	99
94) Hexachlorobutadiene	13.78	225	185623	48.929	ug/l	99
95) Naphthalene	13.83	128	1286067	49.645	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	414872	48.852	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 496946

Ion Ratio Lower Upper

168 100

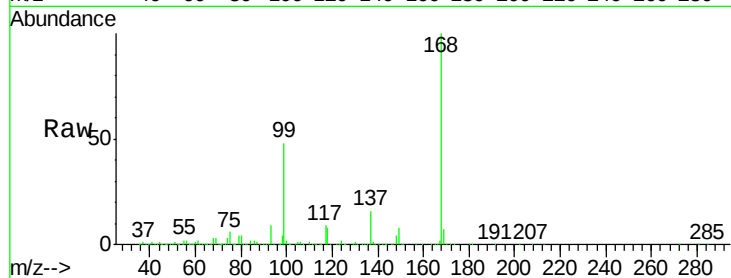
99 48.3 41.8 62.8

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

5.67

200000

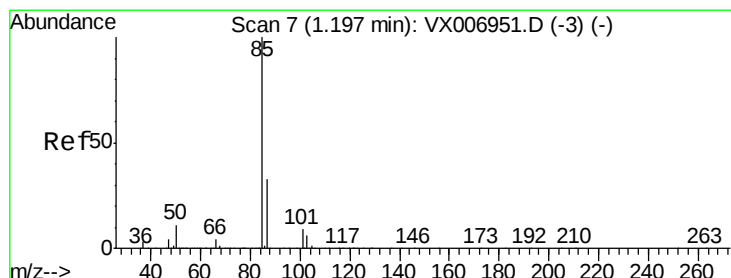
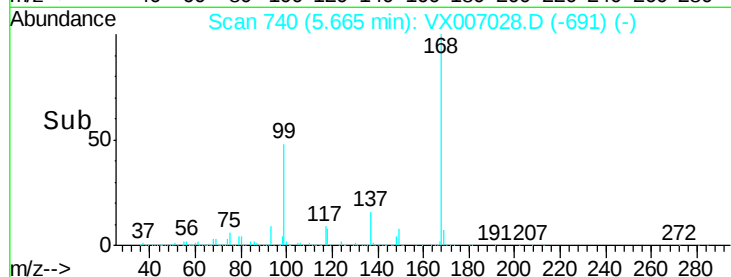
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.689 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007028.D

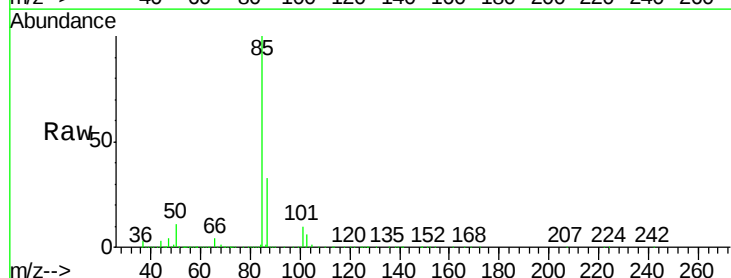
Acq: 11 Jan 2019 21:42

Tgt Ion: 85 Resp: 219099

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

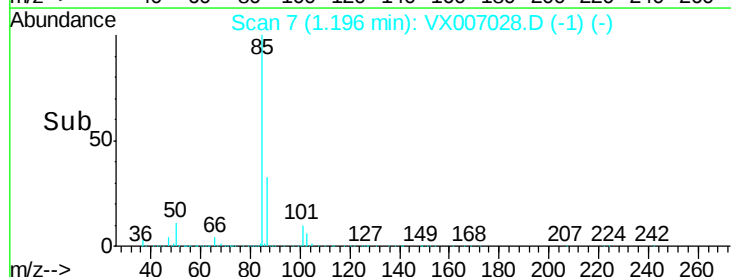
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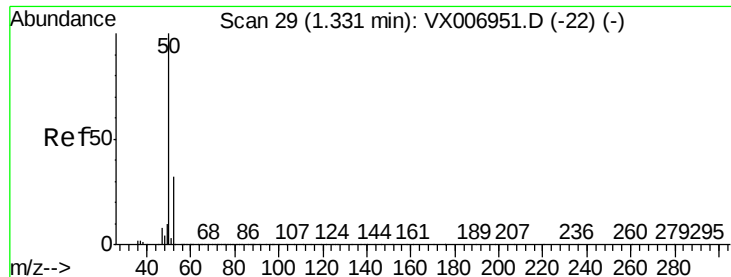
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.909 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 251355

Ion Ratio Lower Upper

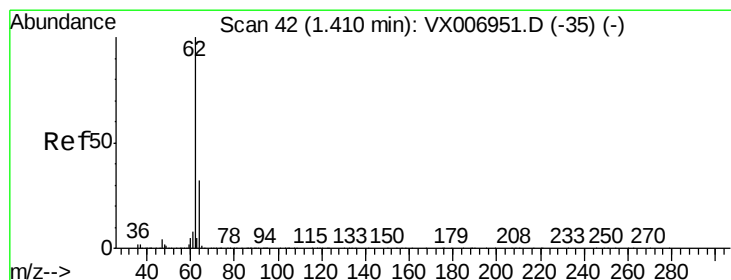
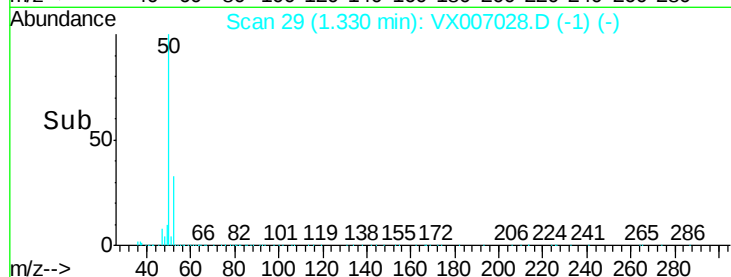
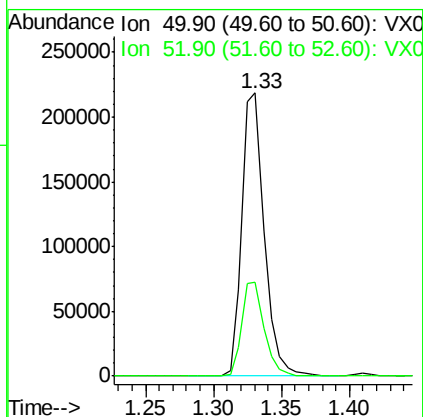
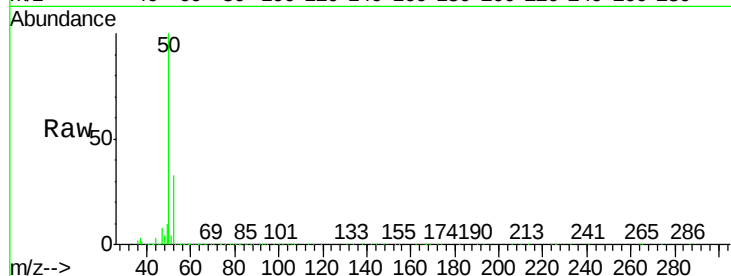
50 100

52 33.0 25.4 38.2

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#4

Vinyl Chloride

Concen: 50.928 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007028.D

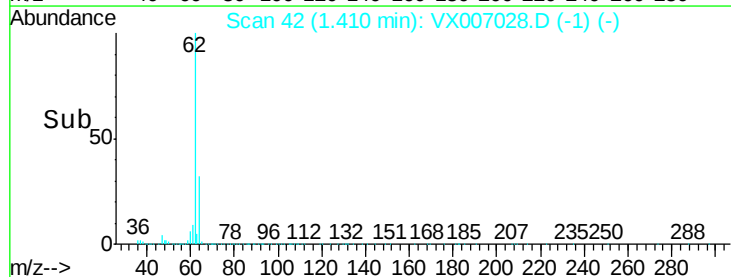
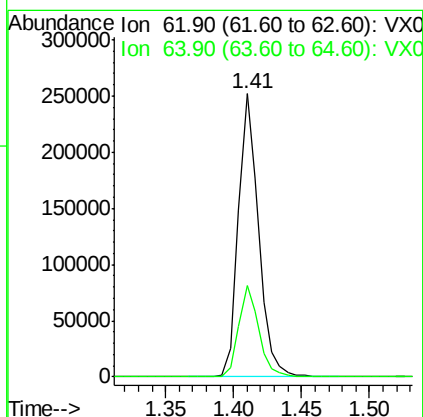
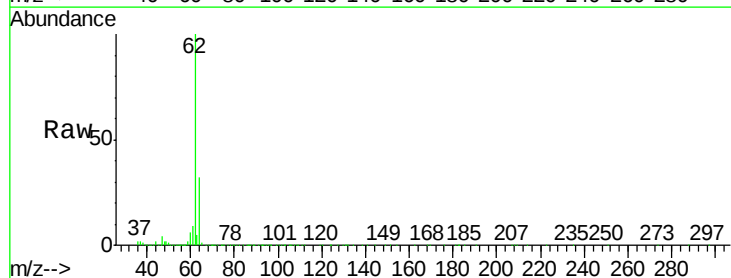
Acq: 11 Jan 2019 21:42

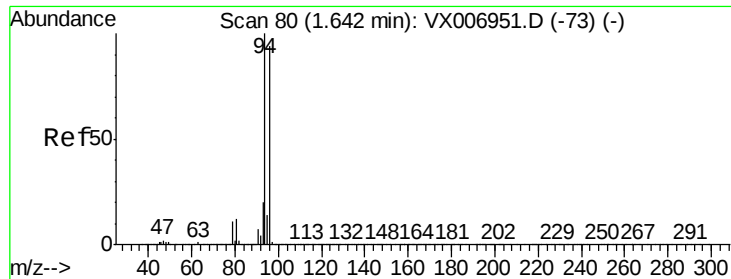
Tgt Ion: 62 Resp: 260258

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 48.435 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 264449

Ion Ratio Lower Upper

94 100

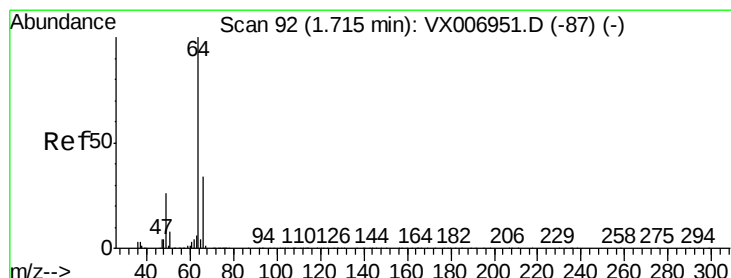
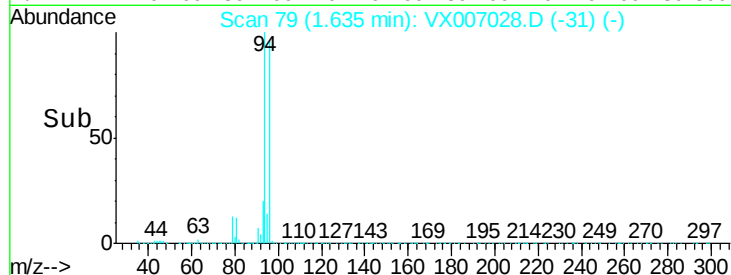
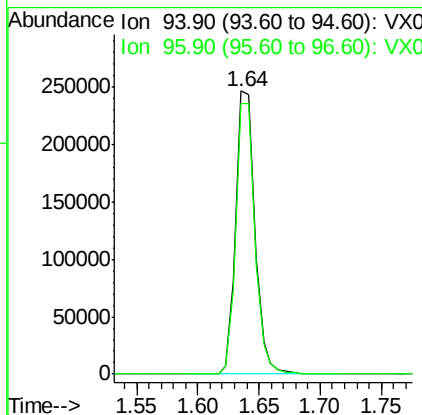
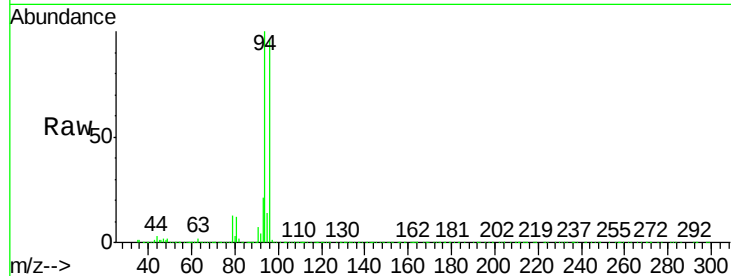
96 95.5 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 48.296 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX007028.D

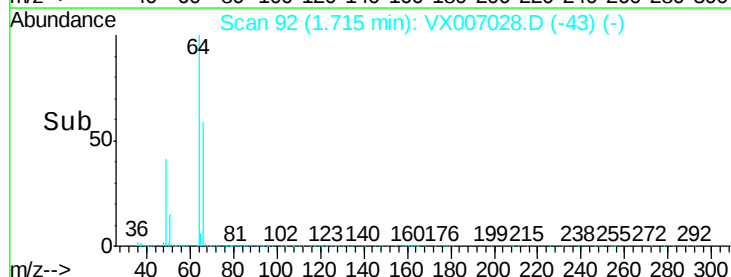
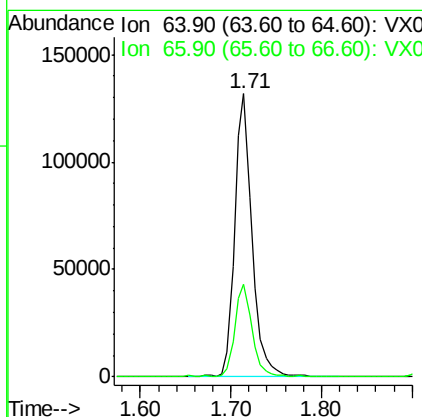
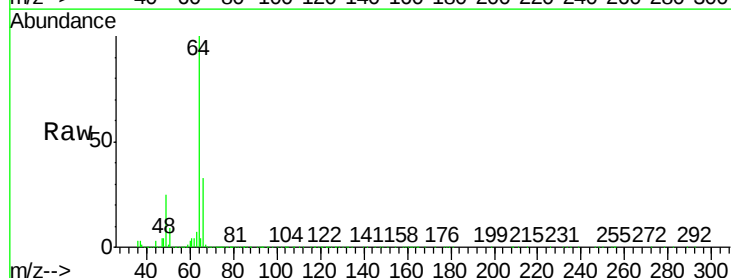
Acq: 11 Jan 2019 21:42

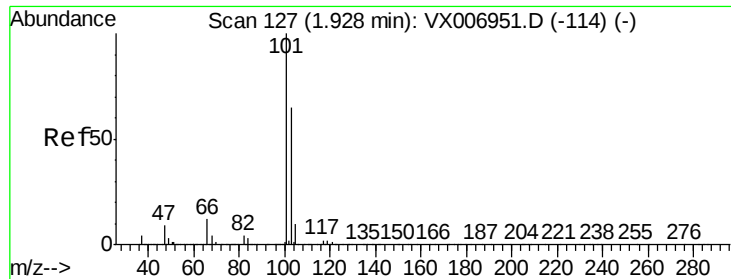
Tgt Ion: 64 Resp: 172334

Ion Ratio Lower Upper

64 100

66 32.7 26.4 39.6





#7

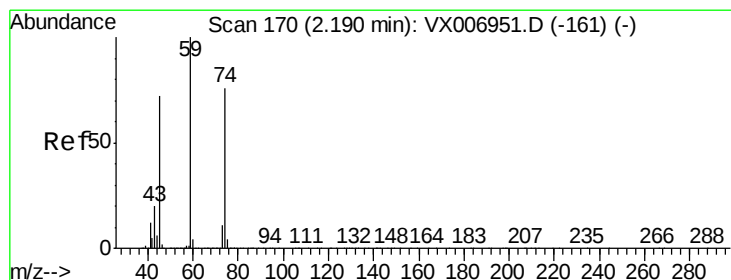
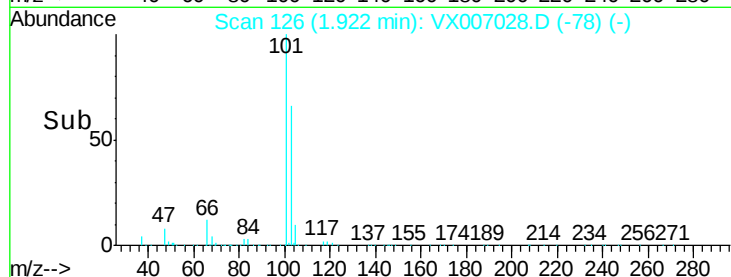
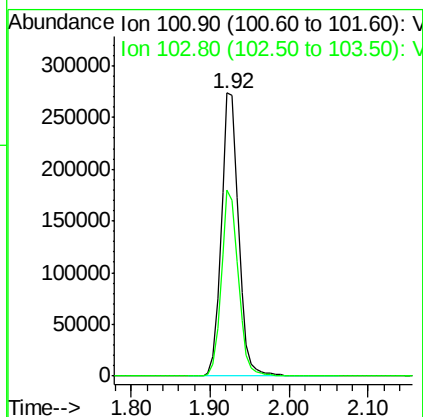
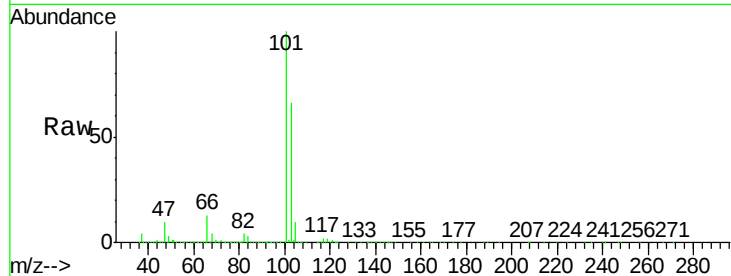
Trichlorofluoromethane
Concen: 50.436 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.2	79.8

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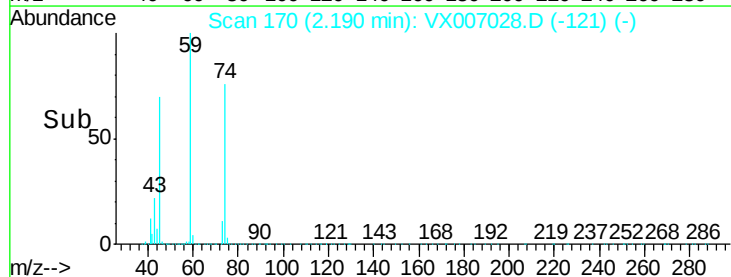
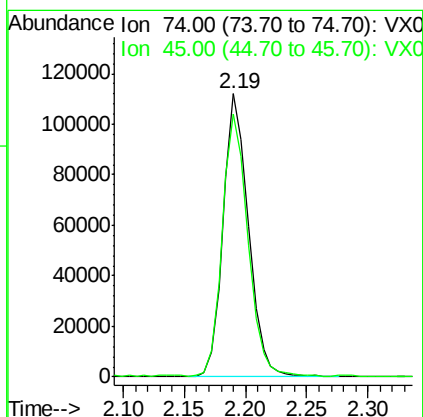
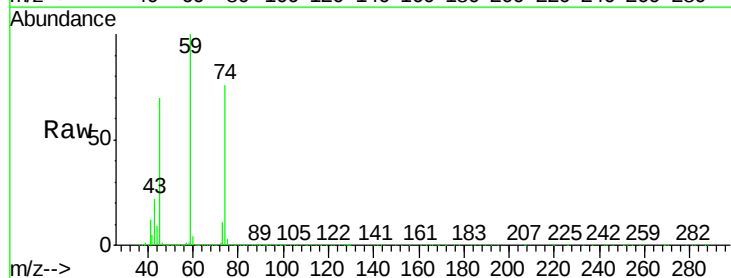
MMDadoda
1/14/2019 10:40:37 AM

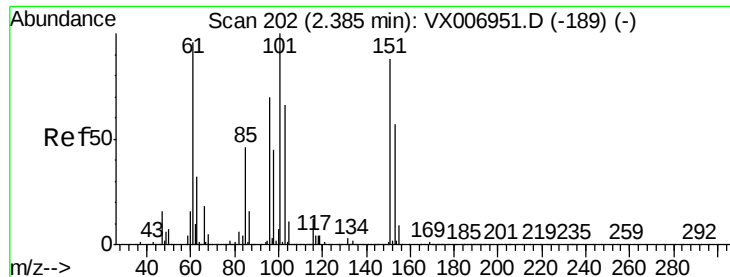


#8

Diethyl Ether
Concen: 48.697 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.207 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

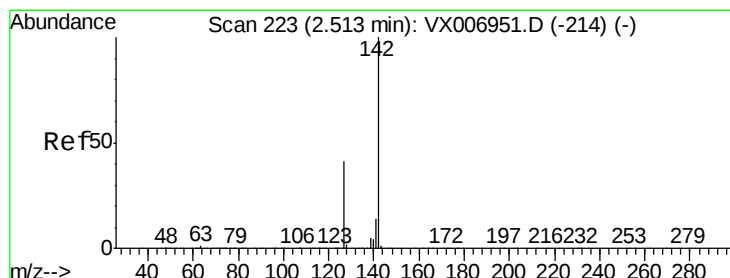
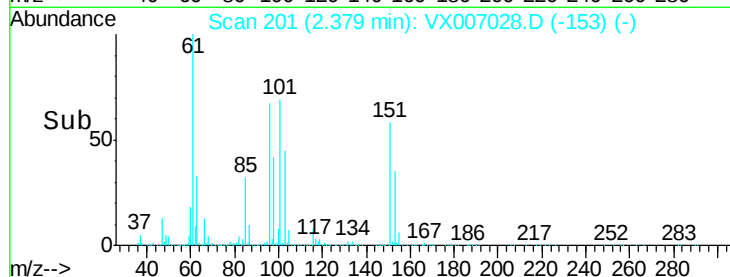
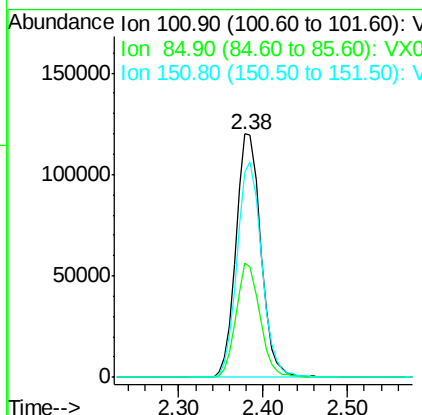
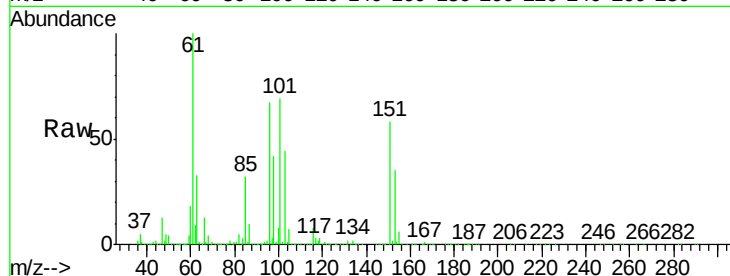
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	238312
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.1	52.7
151	87.8	68.9	103.3

Manual Integrations
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1/14/2019 10:40:37 AM



#10

Methyl Iodide

Concen: 56.889 ug/l

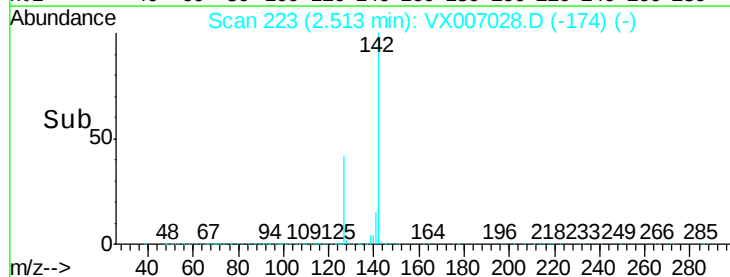
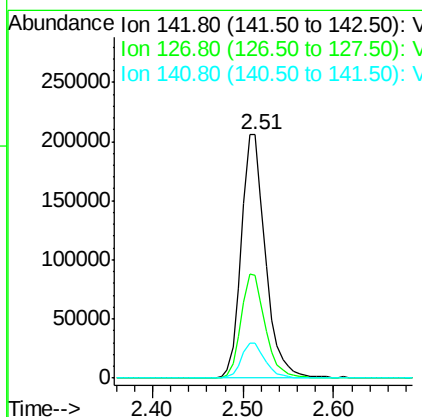
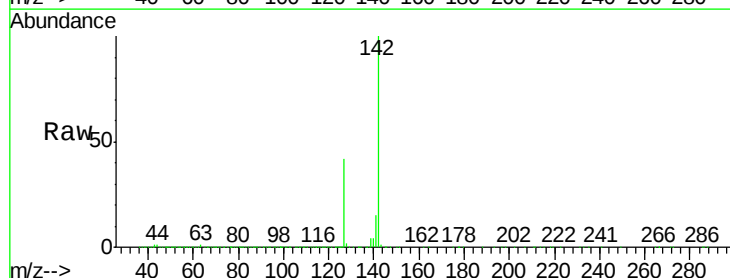
RT: 2.51 min Scan# 223

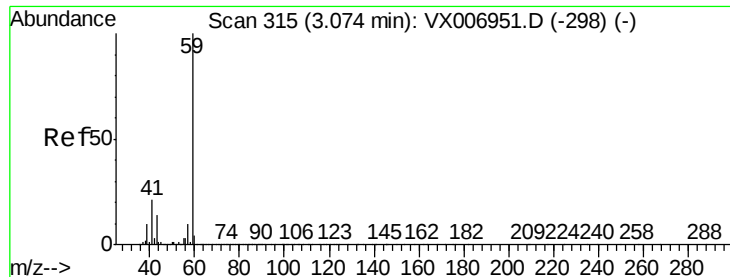
Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	142	Resp:	379353
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.9	50.9
141	14.5	11.4	17.0





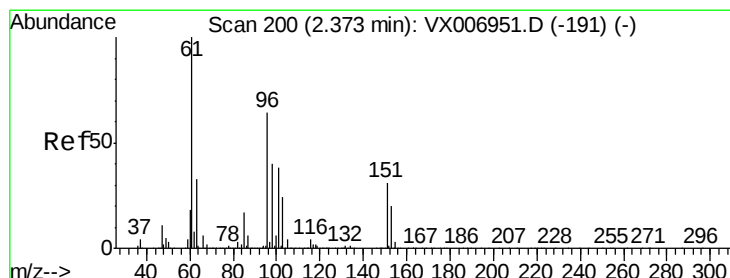
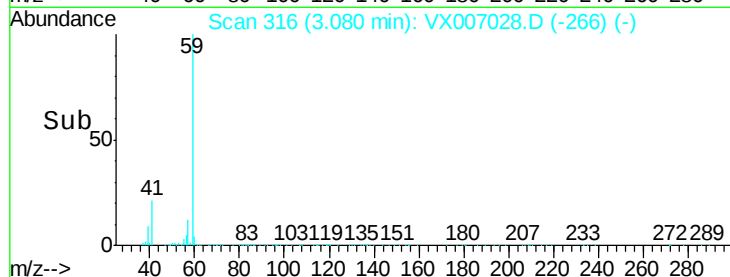
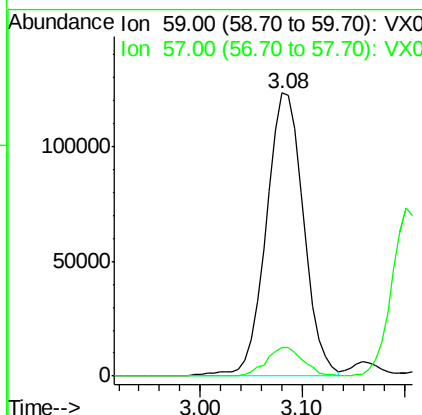
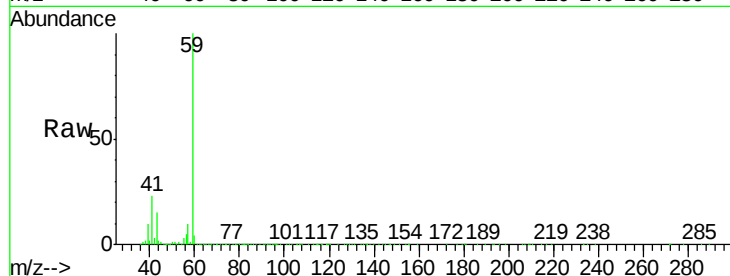
#11
Tert butyl alcohol
Concen: 256.200 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	8.5	12.7

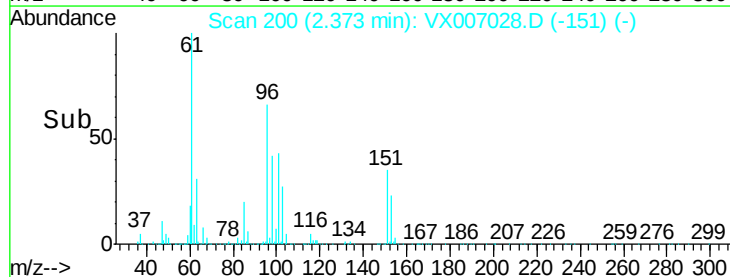
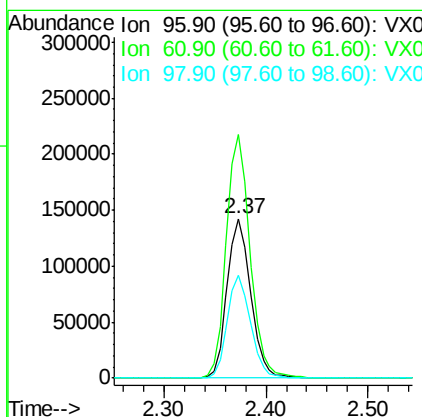
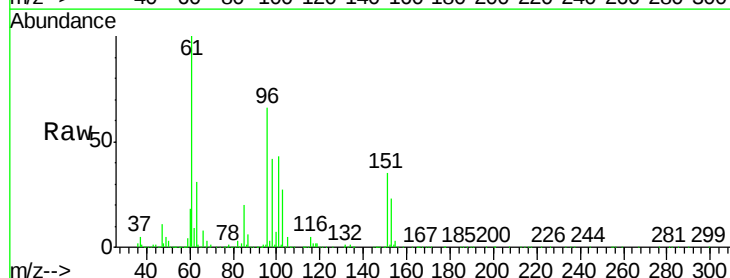
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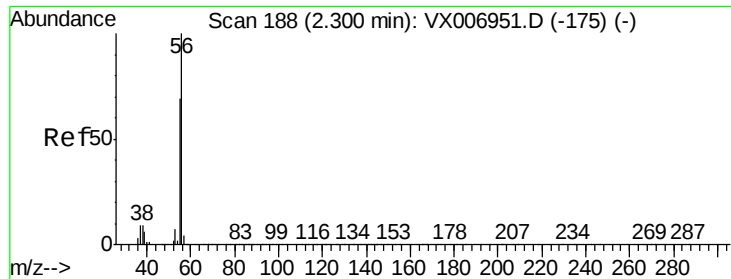
MMDadoda
1/14/2019 10:40:37 AM



#12
1,1-Dichloroethene
Concen: 50.175 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	152.5	121.4	182.2
98	98	64.3	51.9	77.9





#13

Acrolein

Concen: 197.902 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 104222

Ion Ratio Lower Upper

56 100

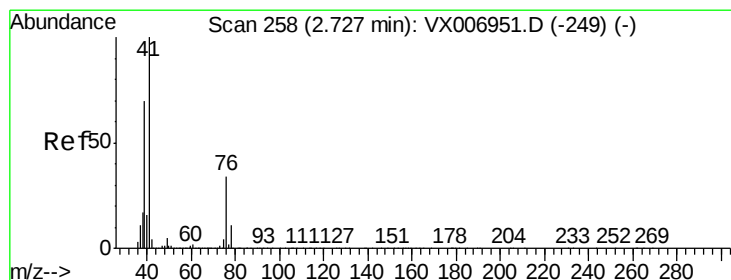
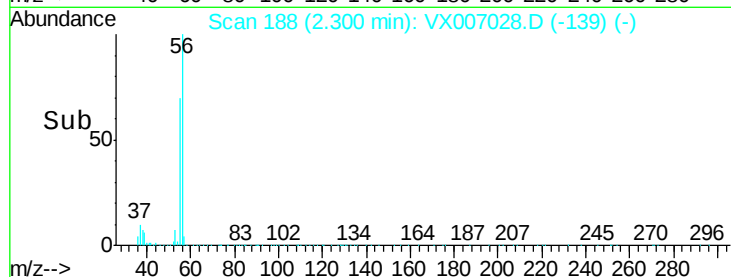
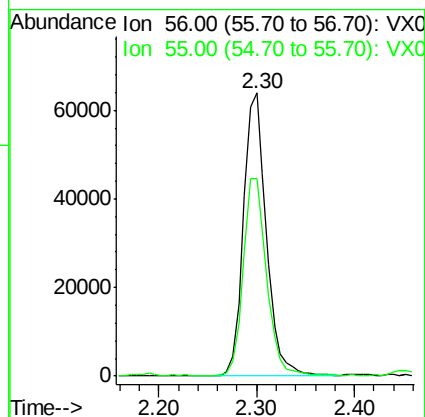
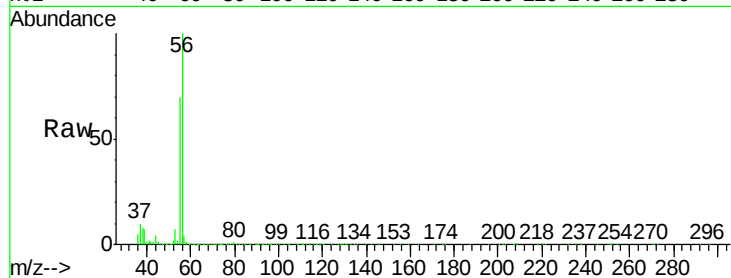
55 70.4 58.2 87.4

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#14

Allyl chloride

Concen: 49.639 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

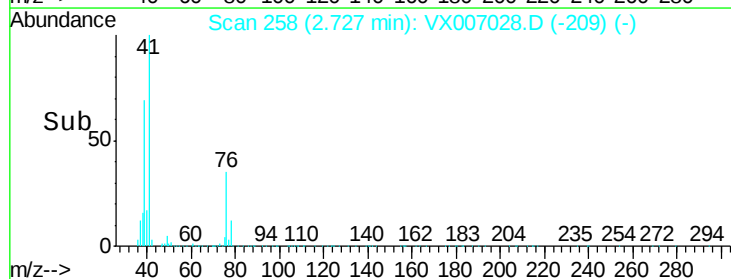
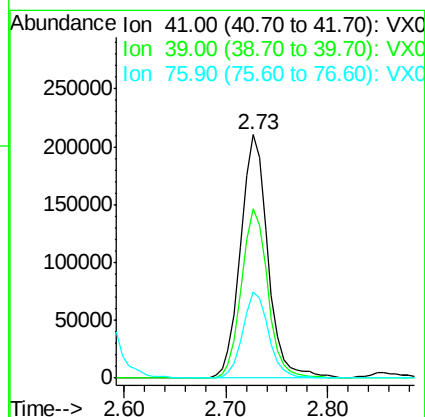
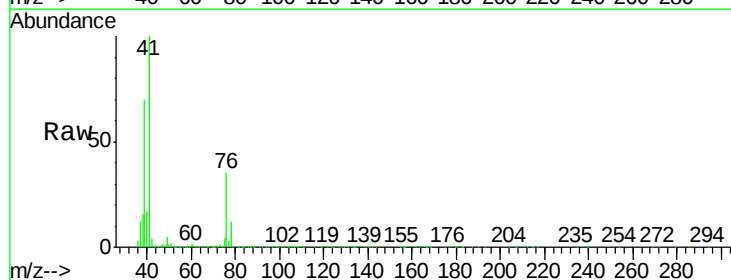
Tgt Ion: 41 Resp: 388553

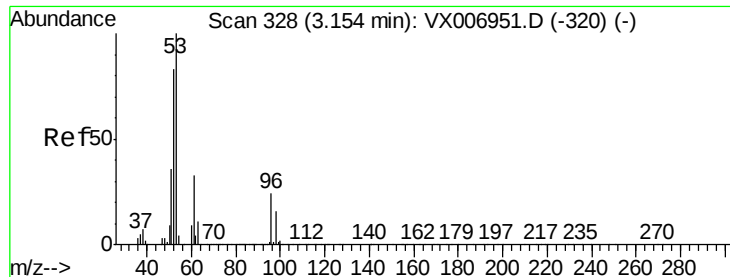
Ion Ratio Lower Upper

41 100

39 67.0 53.6 80.4

76 33.6 27.4 41.2





#15

Acrylonitrile

Concen: 258.076 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

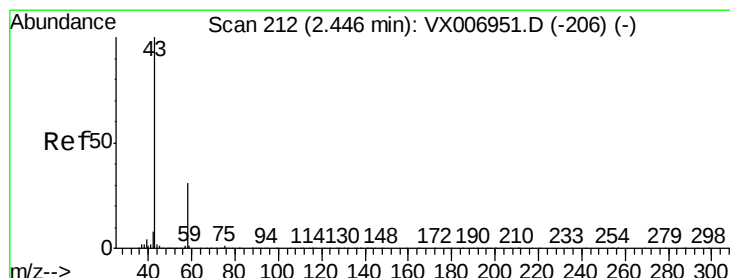
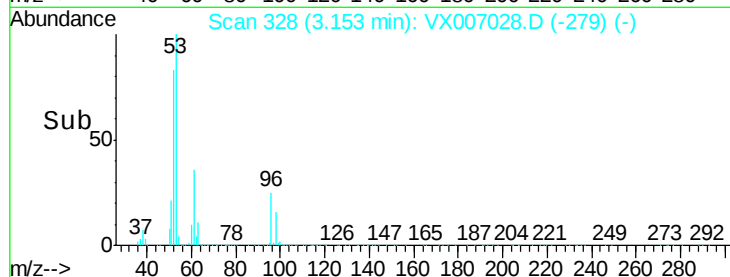
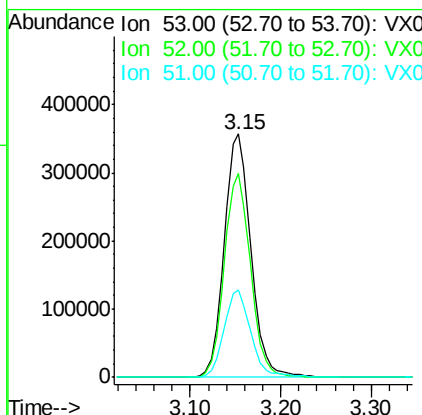
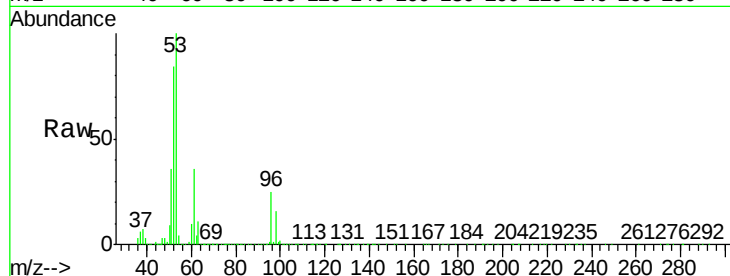
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	725819
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.0	99.0
51	35.9	28.6	42.8

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#16

Acetone

Concen: 240.486 ug/l

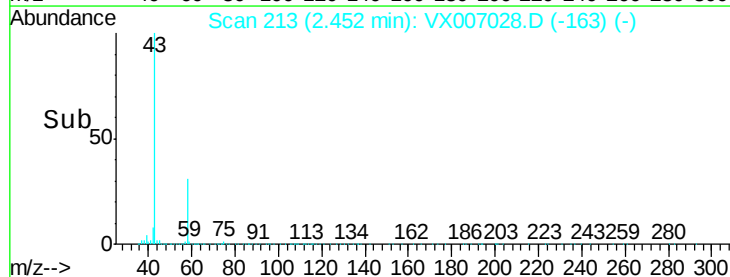
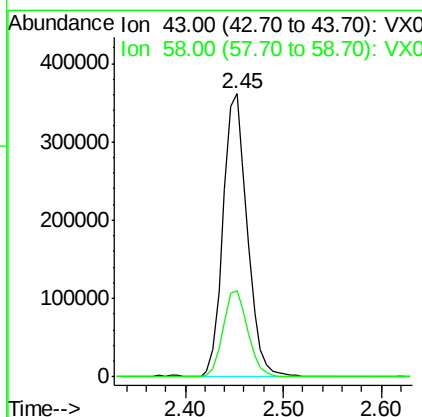
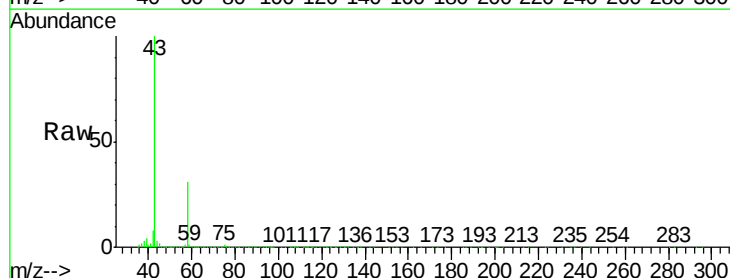
RT: 2.45 min Scan# 213

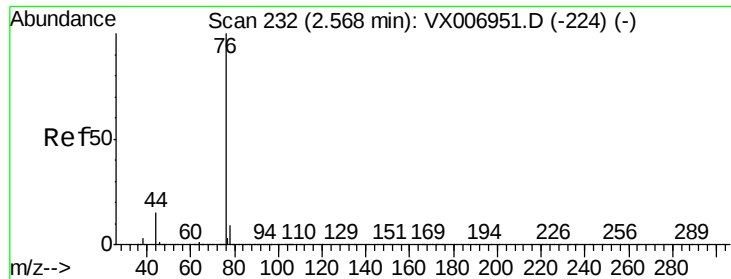
Delta R.T. 0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	43	Resp:	617449
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.0	37.6





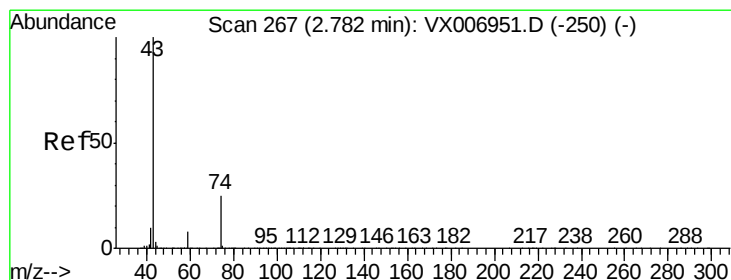
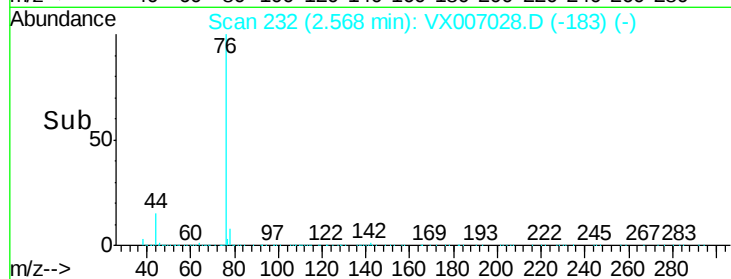
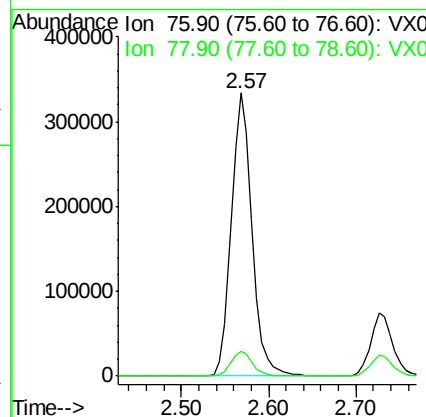
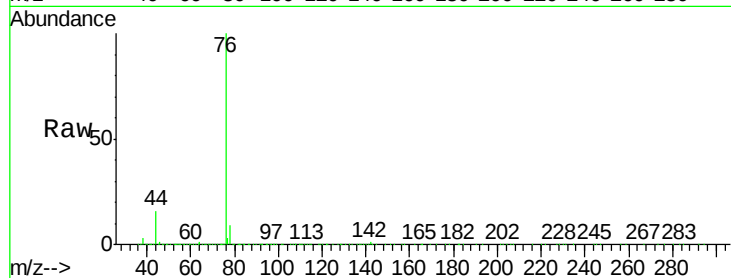
#17
Carbon Disulfide
Concen: 46.540 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

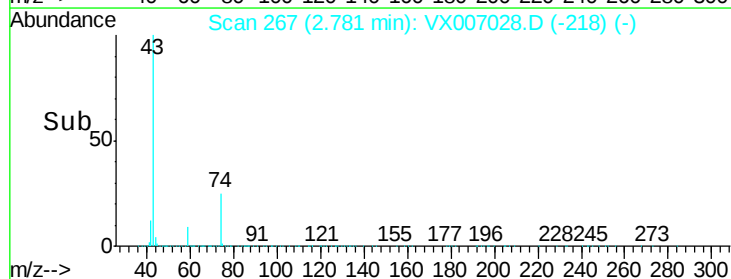
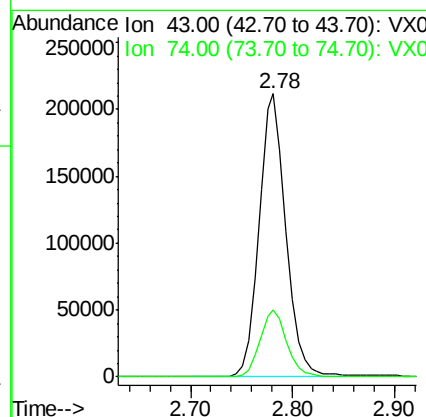
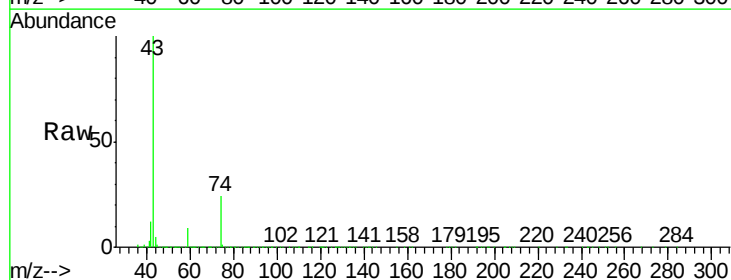
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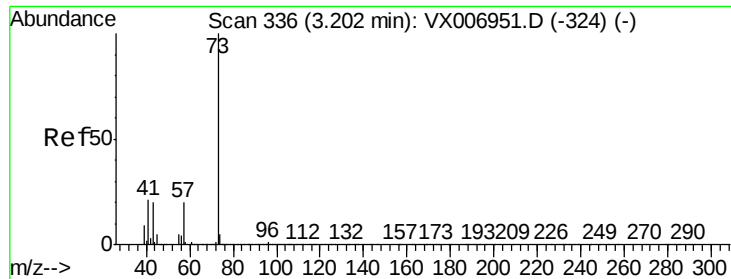
MMDadoda
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#18
Methyl Acetate
Concen: 51.715 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.6	28.0





#19

Methyl tert-butyl Ether

Concen: 50.343 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX007028.D

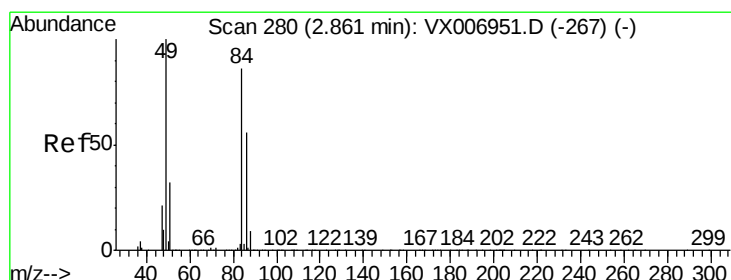
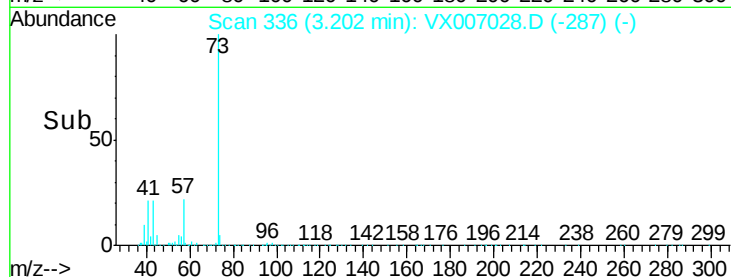
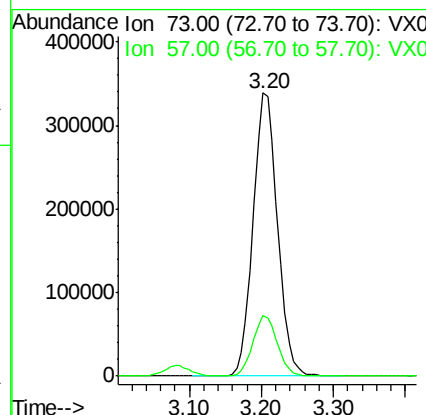
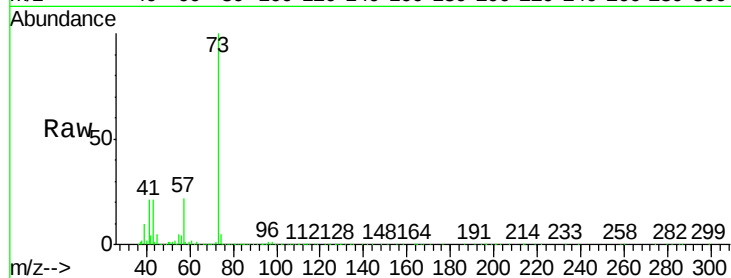
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.8	25.2

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#20

Methylene Chloride

Concen: 54.246 ug/l

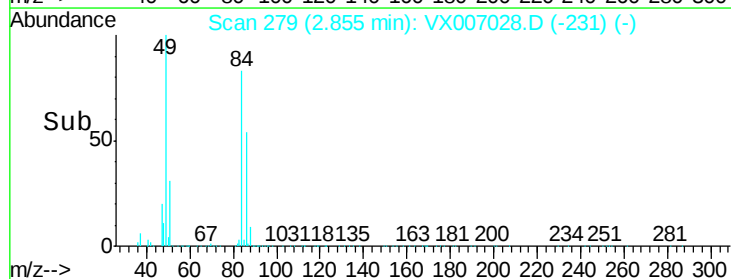
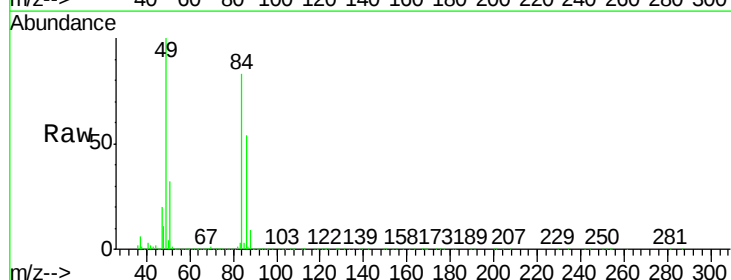
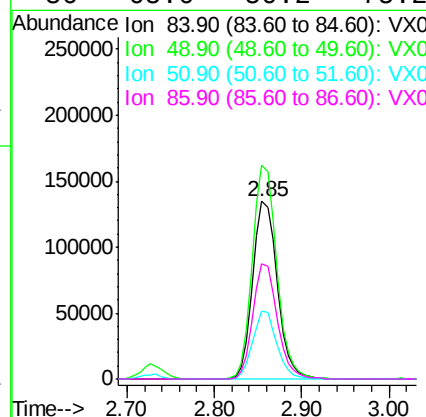
RT: 2.85 min Scan# 279

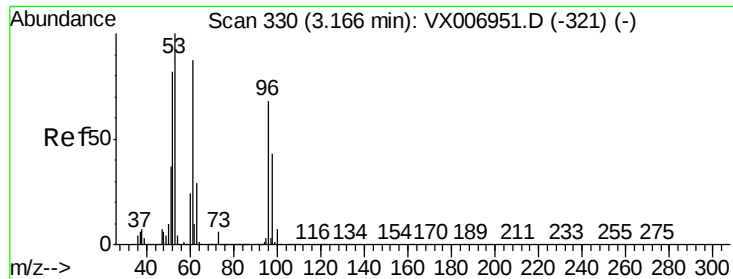
Delta R.T. -0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	91.8	137.6
51	37.9	28.5	42.7
86	65.0	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 47.877 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

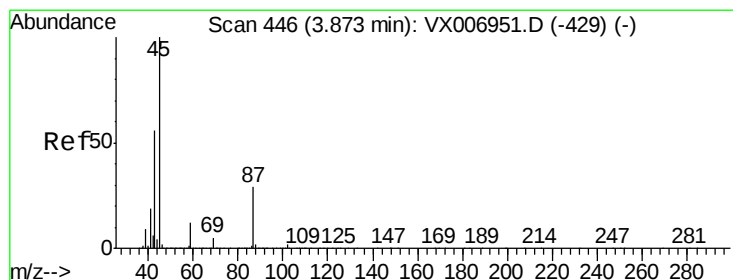
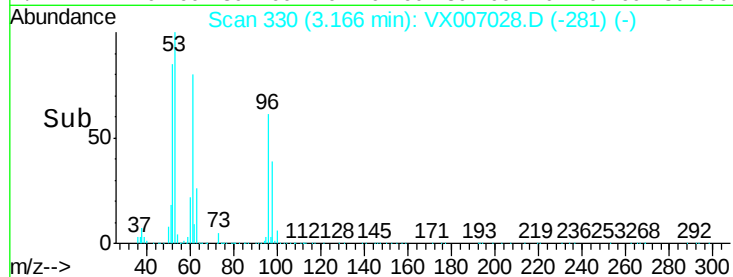
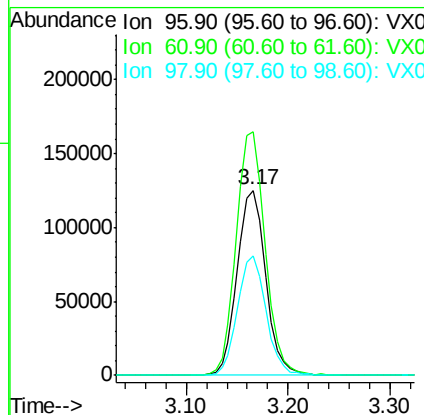
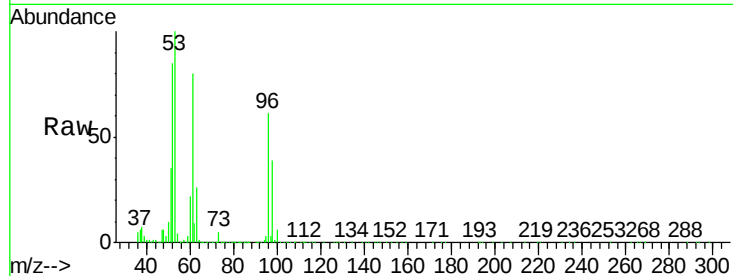
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	243683
Ion	Ratio	Lower	Upper
96	100		
61	131.2	103.7	155.5
98	64.4	51.0	76.6

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#22

Diisopropyl ether

Concen: 50.486 ug/l

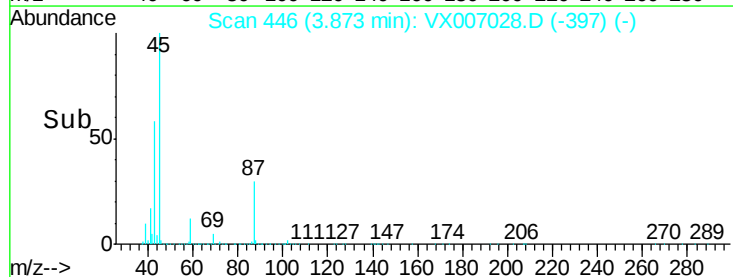
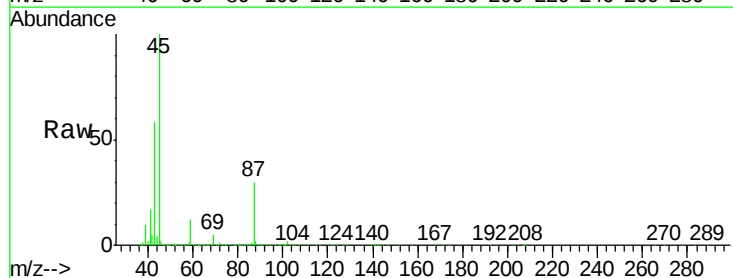
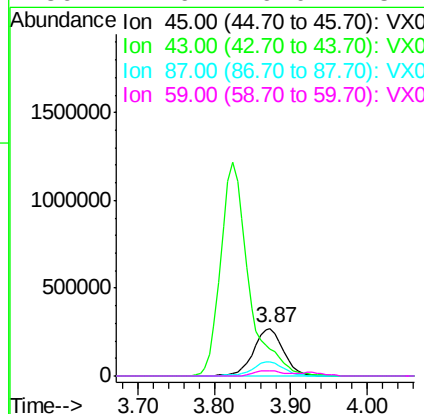
RT: 3.87 min Scan# 446

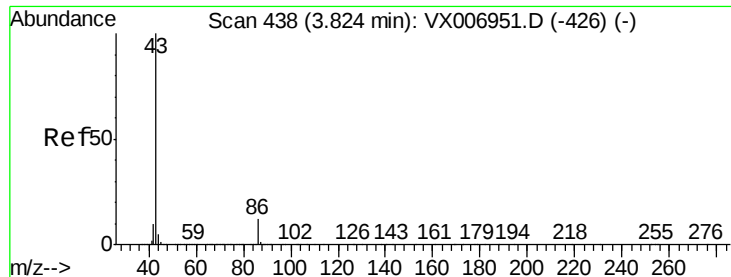
Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	45	Resp:	742933
Ion	Ratio	Lower	Upper
45	100		
43	57.6	51.2	76.8
87	29.8	25.8	38.6
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 250.181 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3104742

Ion Ratio Lower Upper

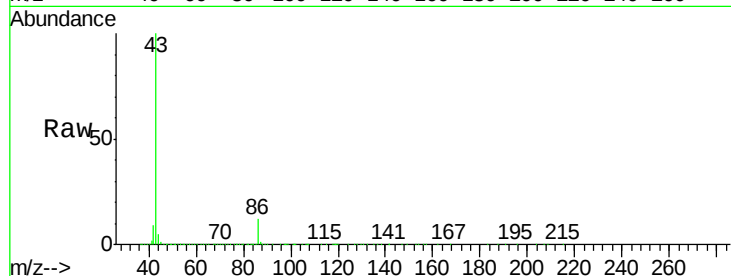
43 100

86 11.7 9.2 13.8

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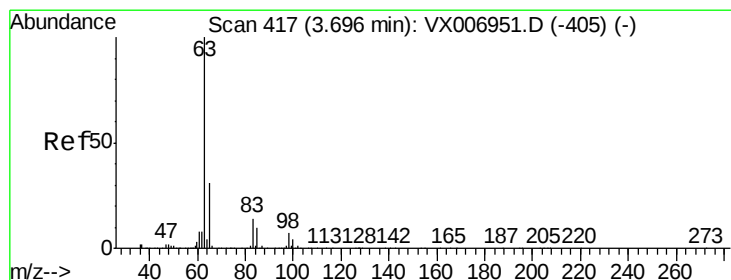
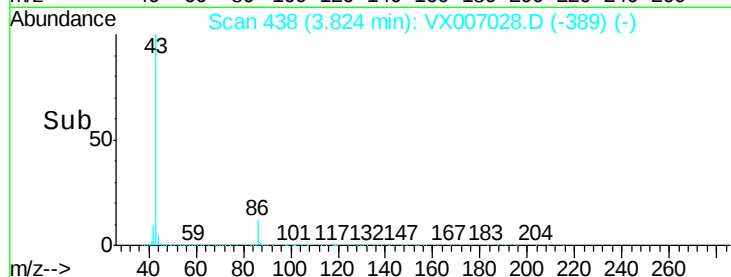
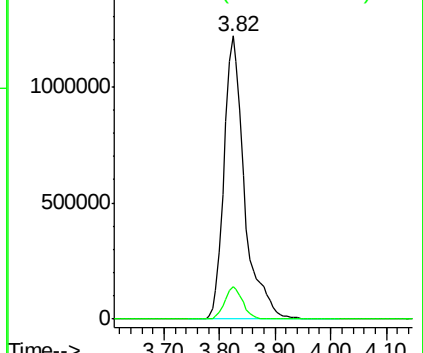
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.411 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

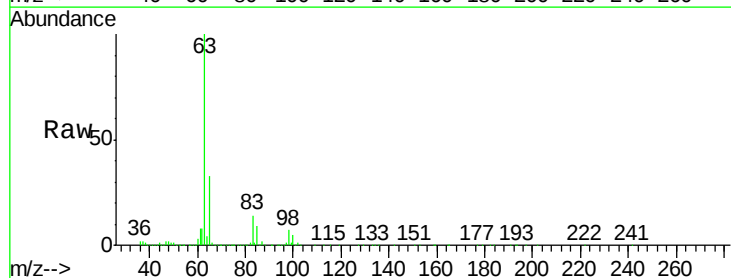
Tgt Ion: 63 Resp: 406573

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

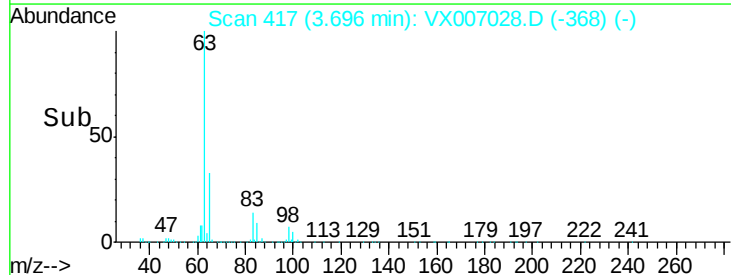
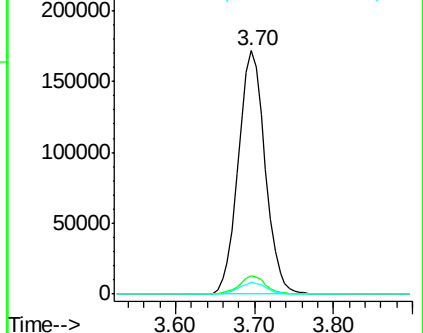
100 4.9 2.4 7.2

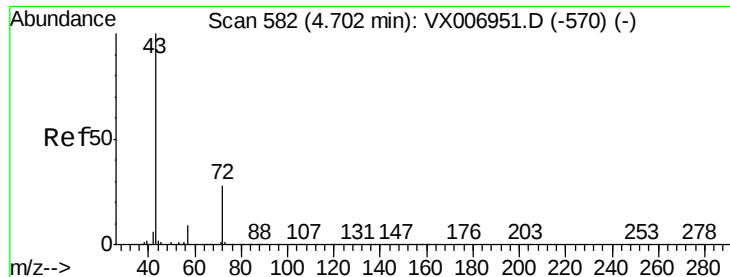


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.543 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tot Ion: 43 Resp: 938796

Ion Ratio Lower Upper

43 100

72 28.3 22.4 33.6

Instrument :

MSVOA_X

ClientSampleId :

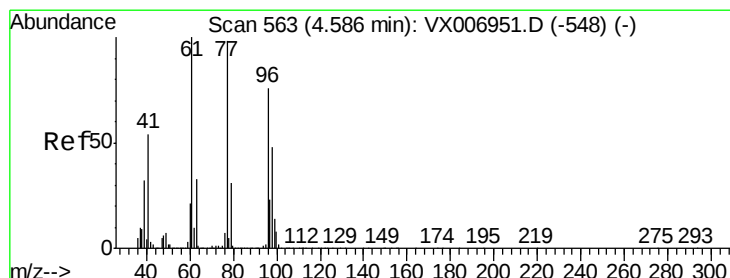
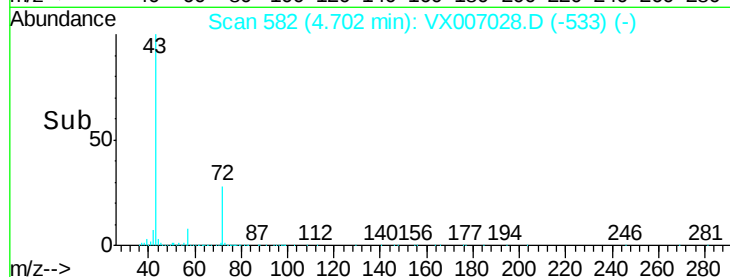
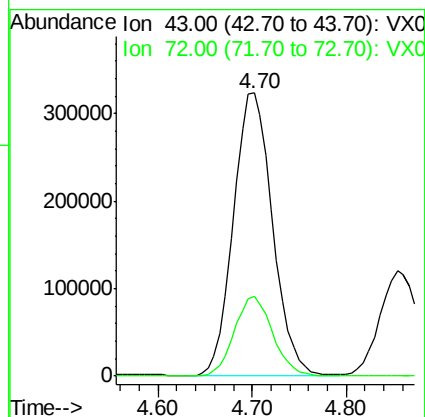
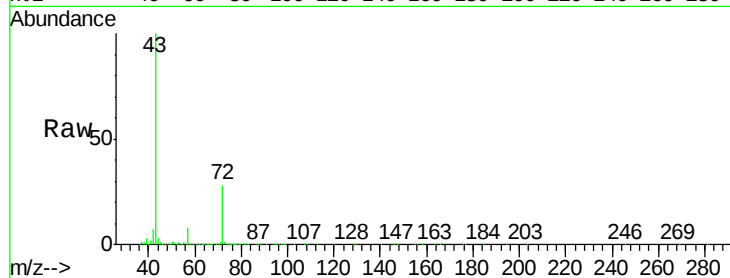
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 42.608 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007028.D

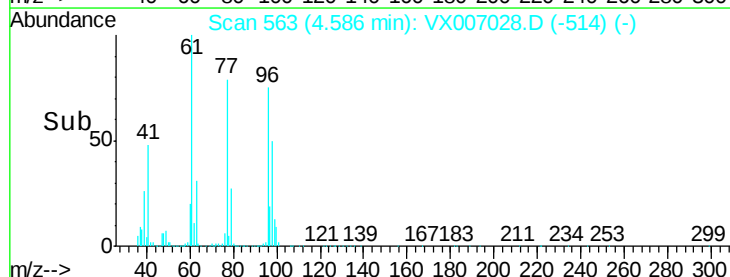
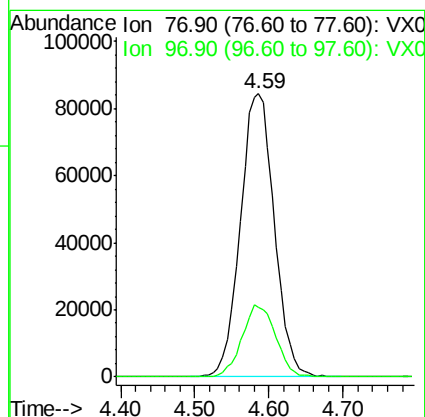
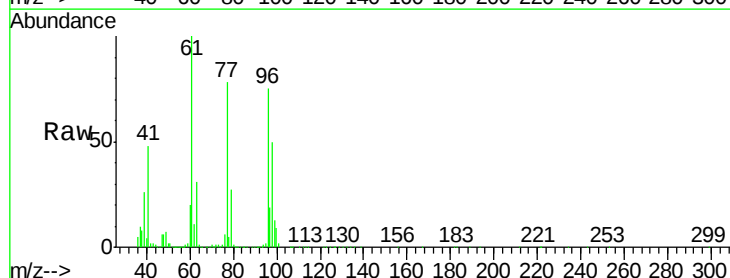
Acq: 11 Jan 2019 21:42

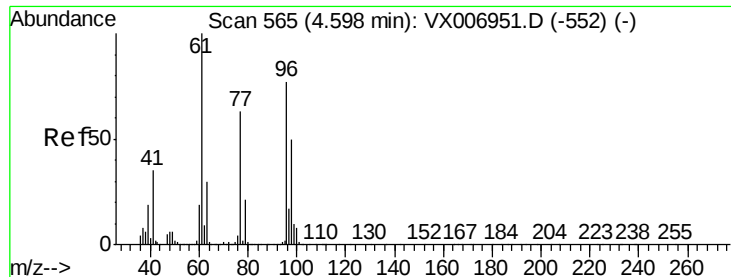
Tgt Ion: 77 Resp: 269596

Ion Ratio Lower Upper

77 100

97 25.4 12.4 37.4





#27

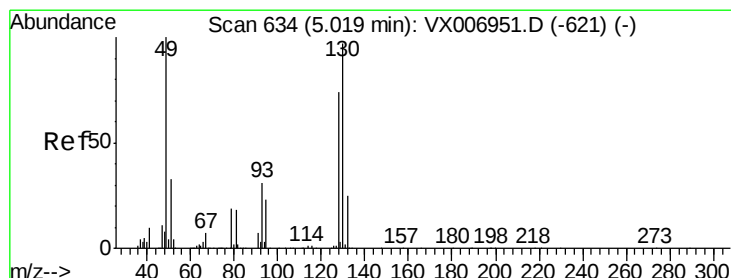
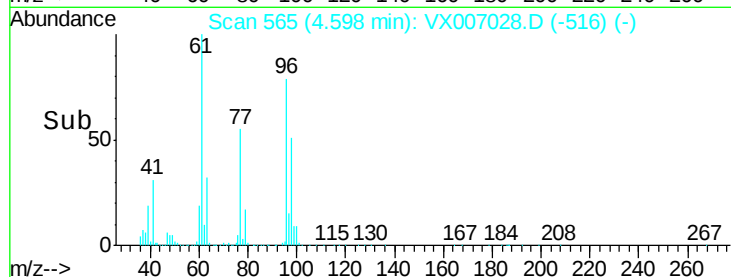
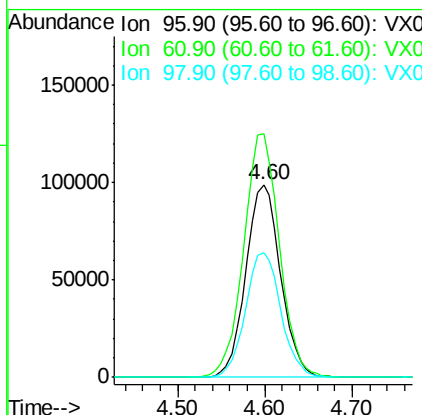
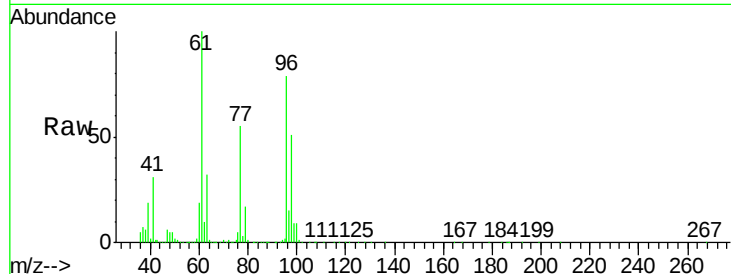
cis-1,2-Dichloroethene
Concen: 48.540 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	272509		
61	130.0		0.0	258.6
98	66.1		0.0	132.0

Manual Integrations
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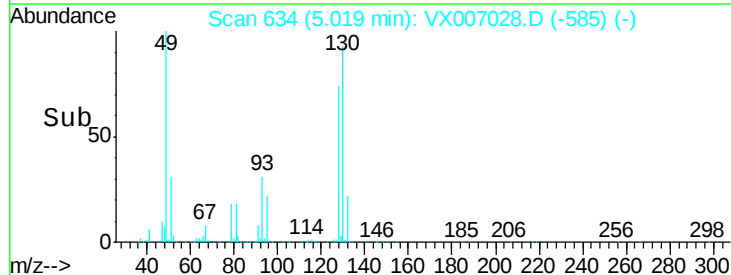
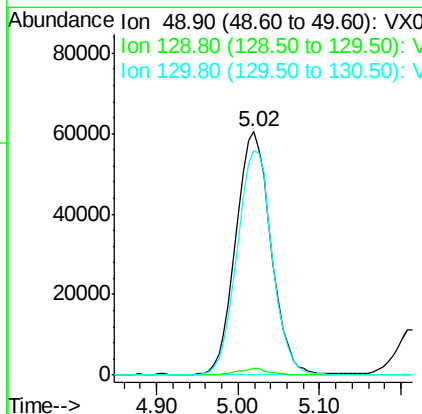
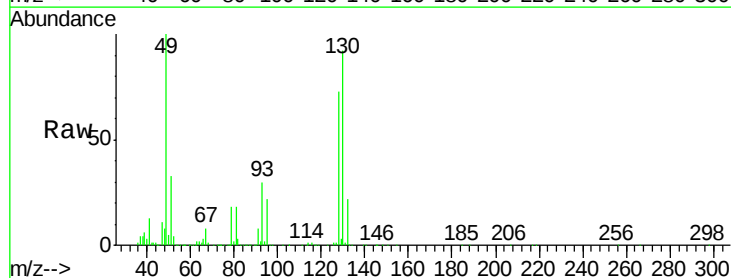
MMDadoda
1/14/2019 10:40:37 AM

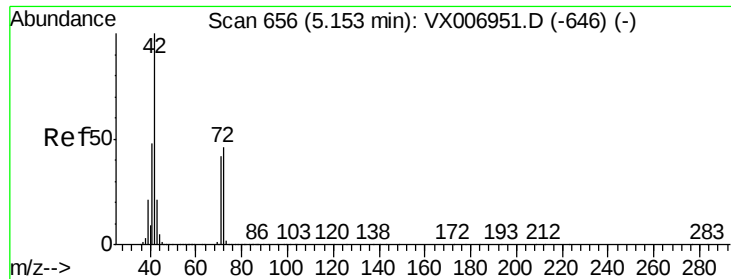


#28

Bromochloromethane
Concen: 50.382 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	181636		
129	2.7		0.0	5.4
130	92.2		77.7	116.5





#29

Tetrahydrofuran

Concen: 252.860 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

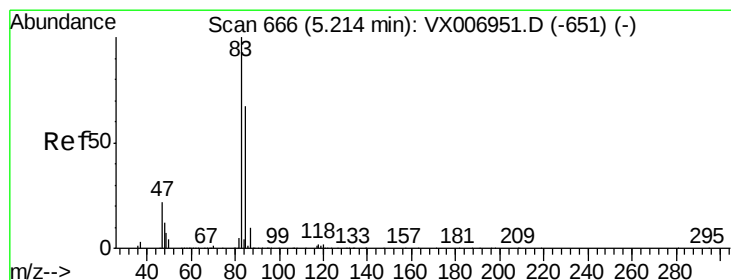
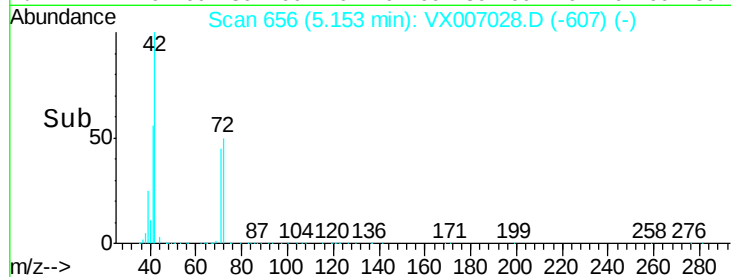
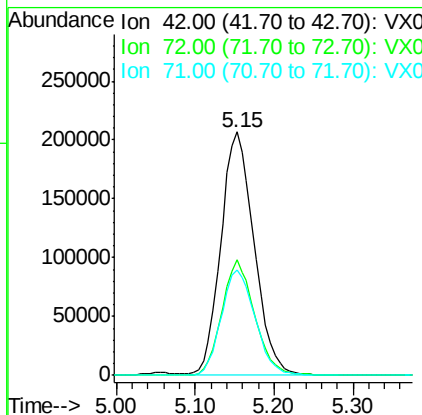
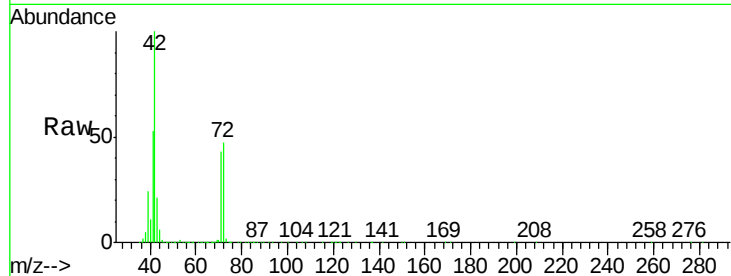
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100		603695		
72	47.0		38.9	58.3	
71	44.2		36.2	54.4	

Manual Integrations
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#30

Chloroform

Concen: 50.482 ug/l

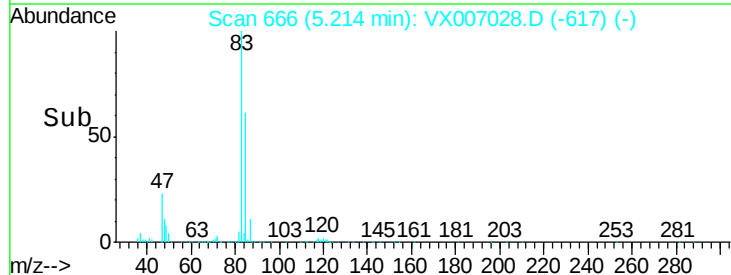
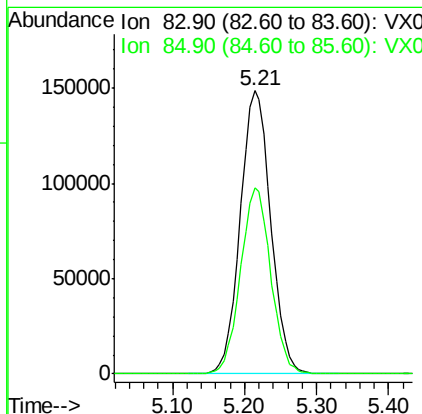
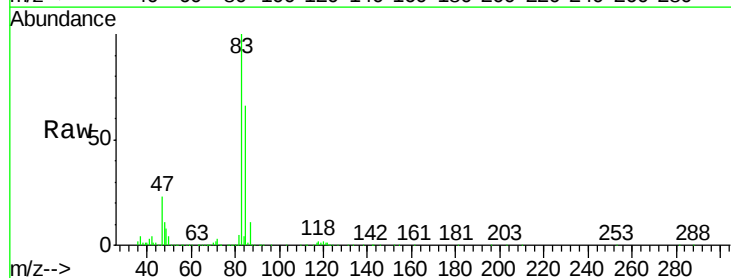
RT: 5.21 min Scan# 666

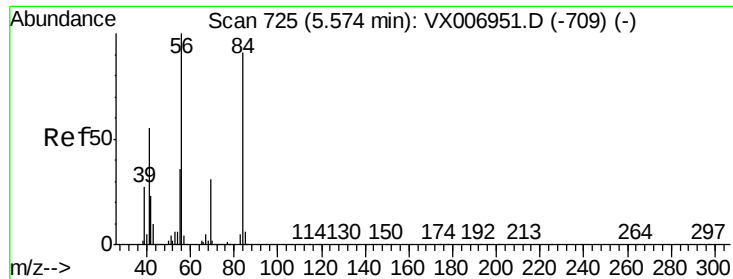
Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		434907		
85	66.0		51.2	76.8	





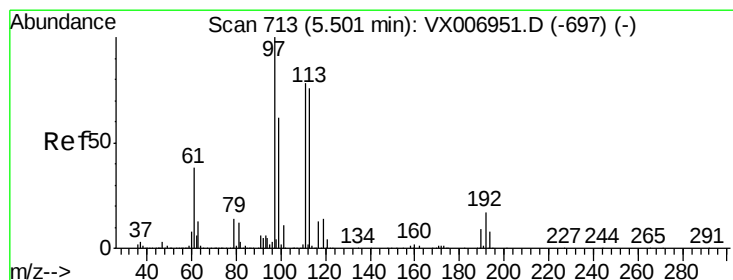
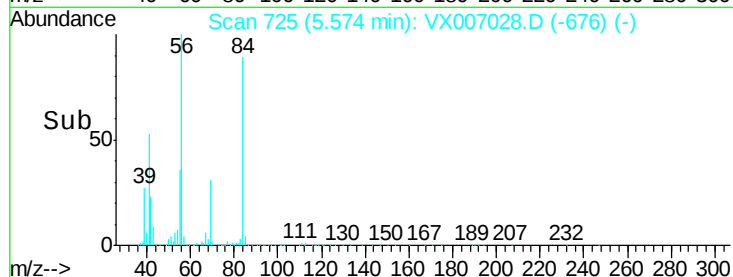
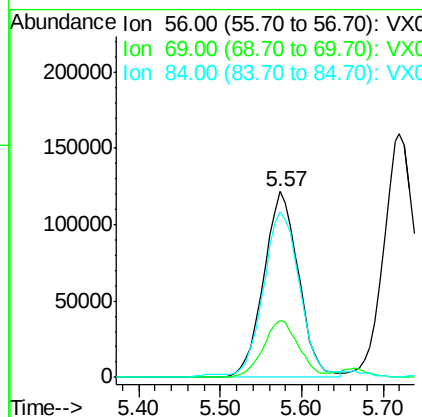
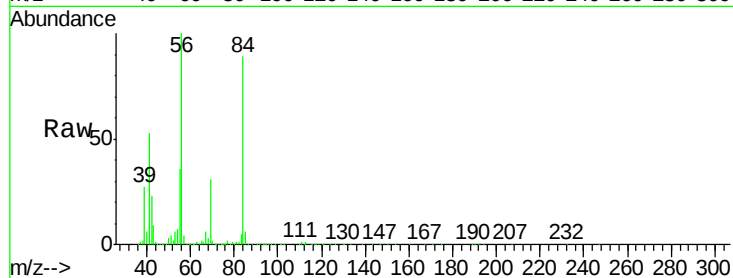
#31
Cyclohexane
Concen: 49.237 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.4	36.6
84	88.9	70.0	105.0

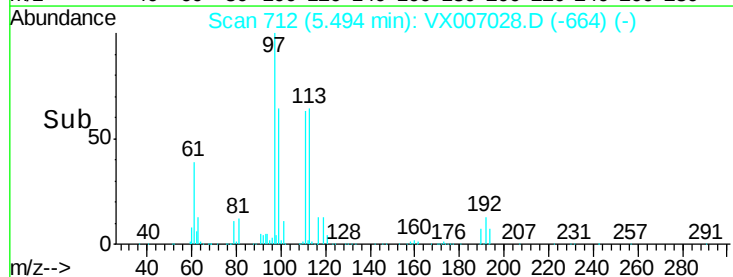
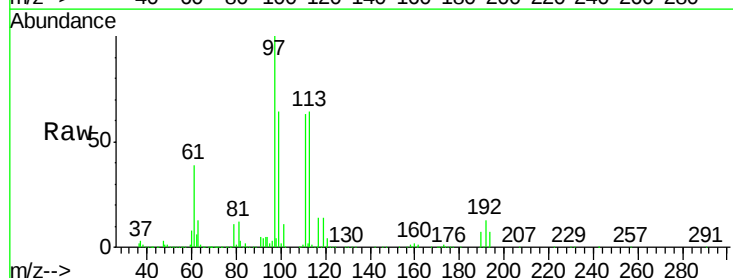
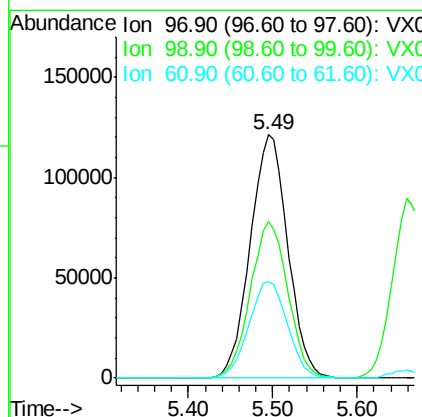
Manual Integrations
APPROVED

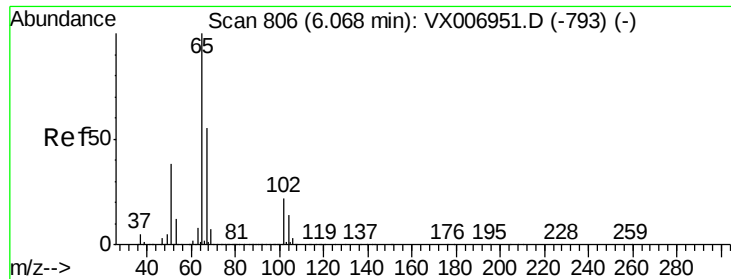
MMDadoda
1/14/2019 10:40:37 AM



#32
1,1,1-Trichloroethane
Concen: 50.514 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	40.4	31.3	46.9





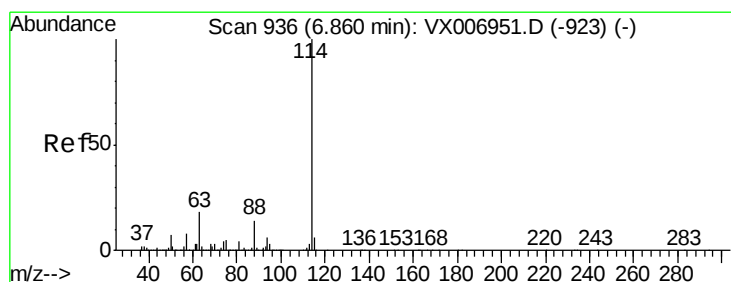
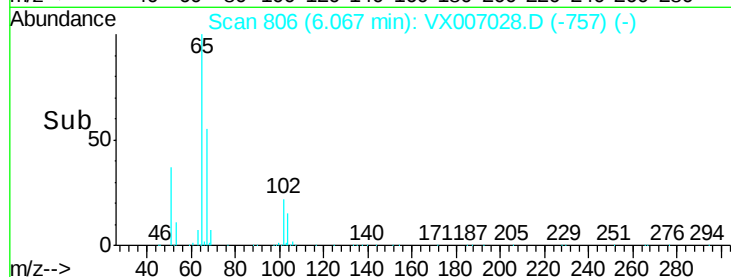
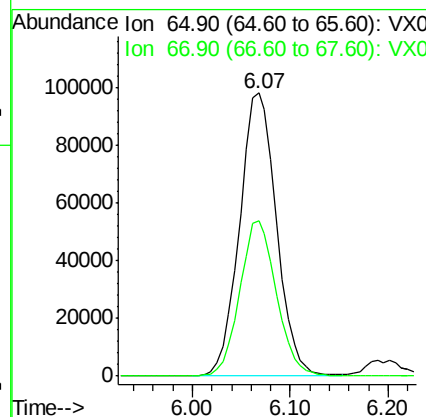
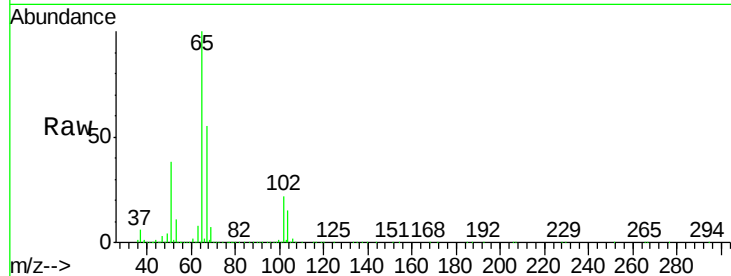
#33
 1,2-Dichloroethane-d4
 Concen: 49.461 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	256874		
67	54.4	0.0	105.0	

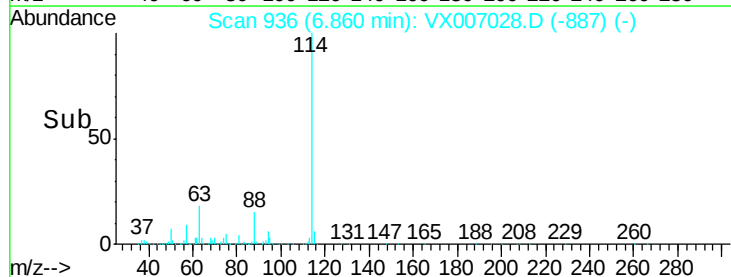
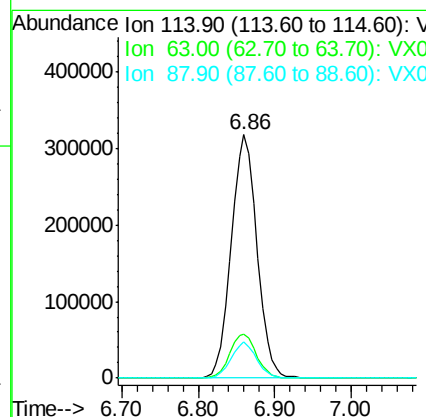
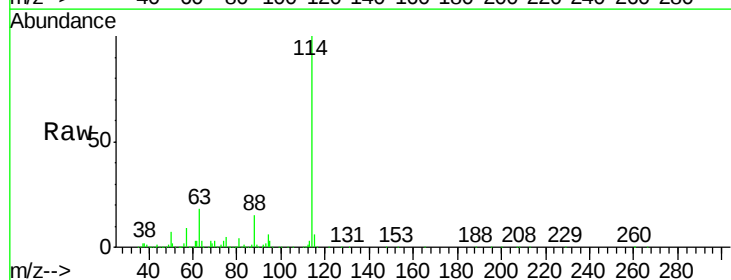
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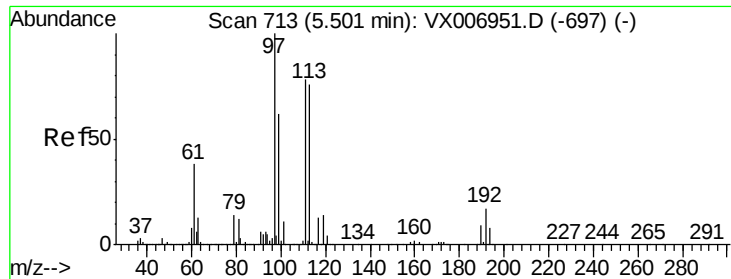
MMDadoda
 1/14/2019 10:40:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	741297		
63	18.2	0.0	34.8	
88	14.7	0.0	28.8	





#35

Dibromofluoromethane

Concen: 49.844 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

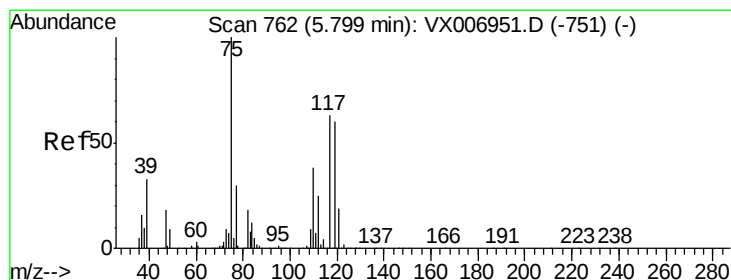
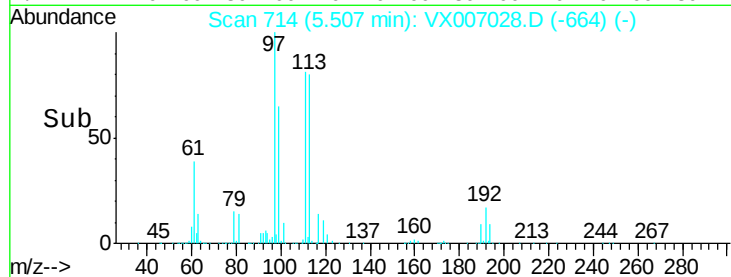
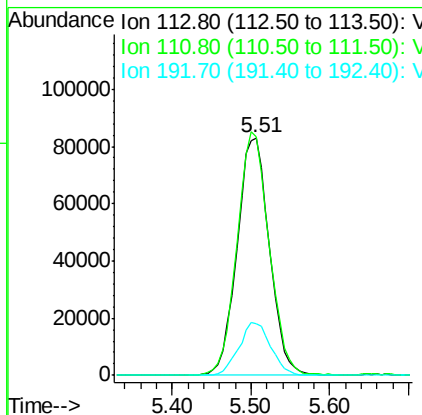
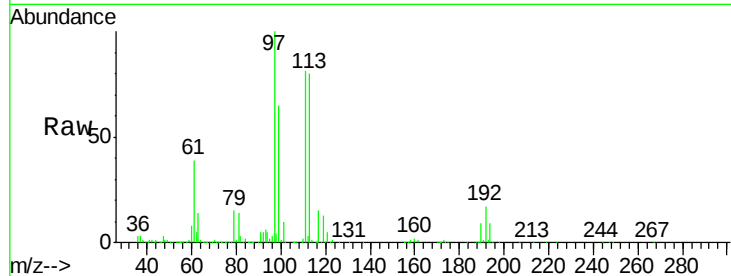
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	236622
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.6	122.4
192	22.0	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.864 ug/l

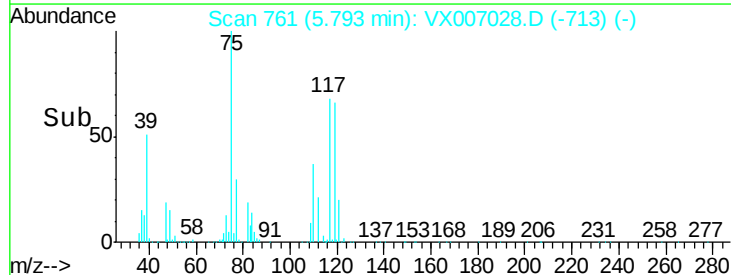
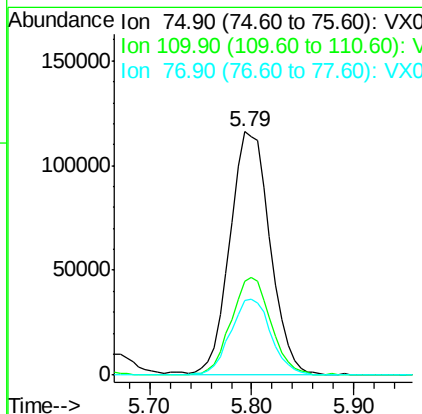
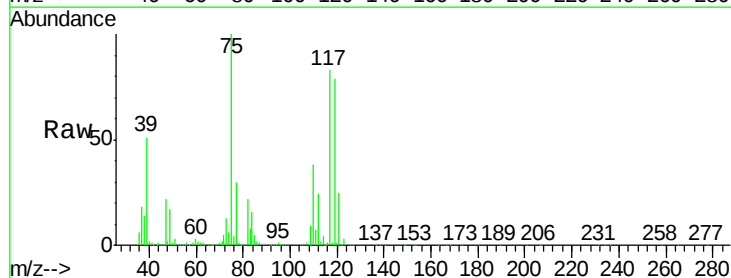
RT: 5.79 min Scan# 761

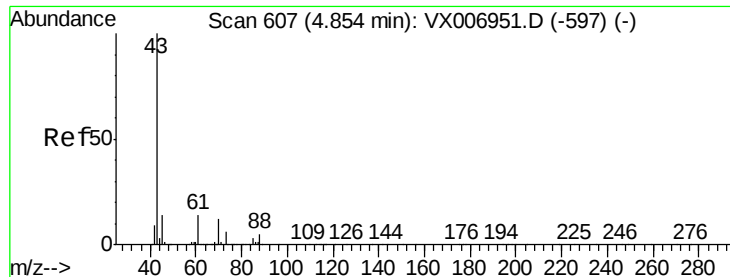
Delta R.T. -0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	75	Resp:	314929
Ion Ratio	Lower	Upper	
75	100		
110	40.1	20.2	60.5
77	31.8	24.8	37.2





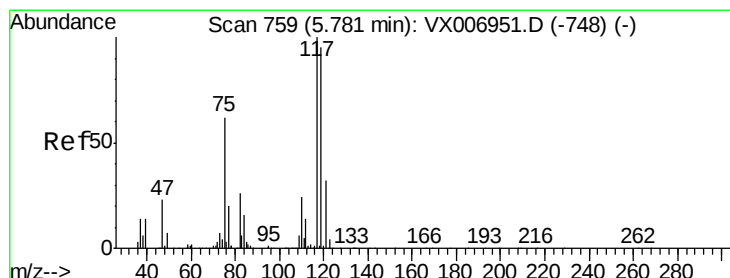
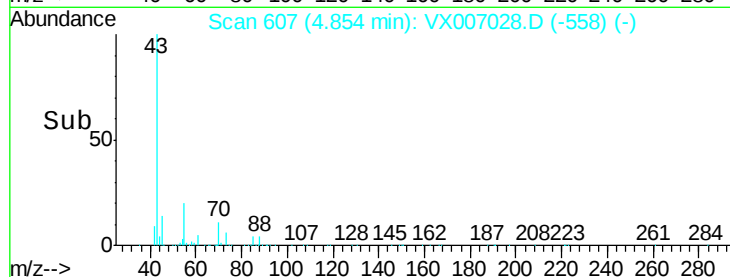
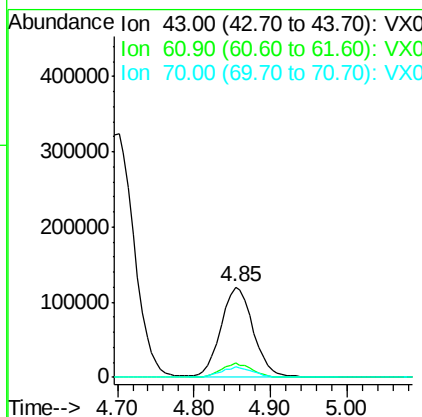
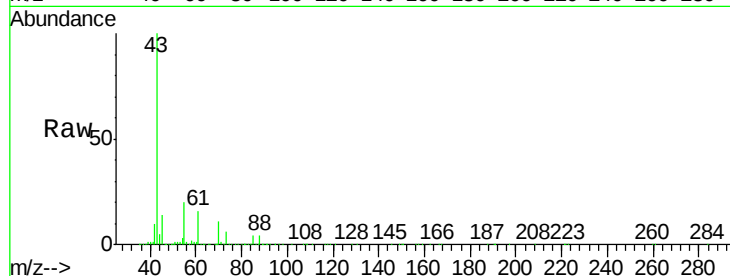
#37
Ethyl Acetate
Concen: 50.371 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	11.3	9.7	14.5

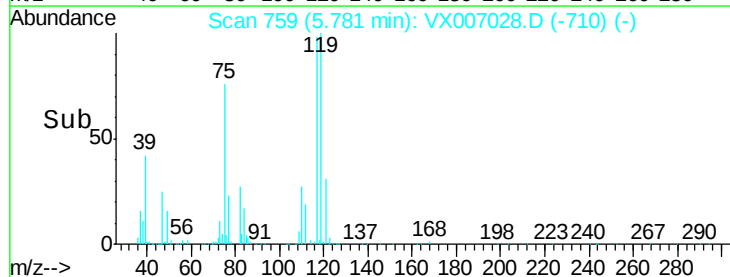
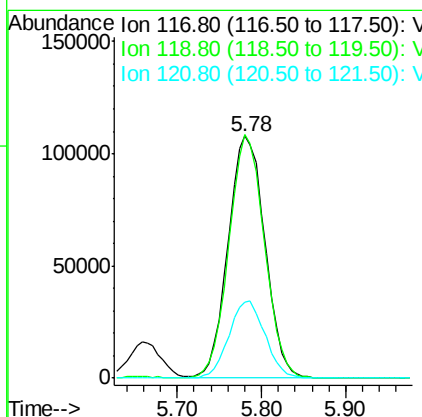
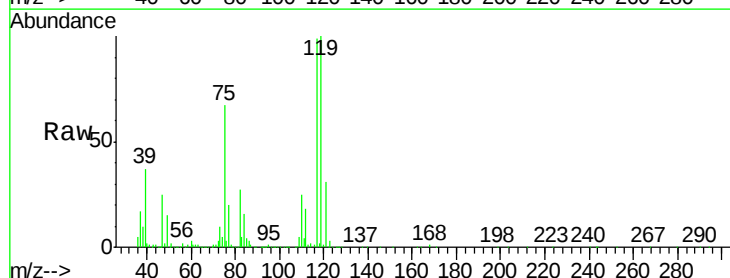
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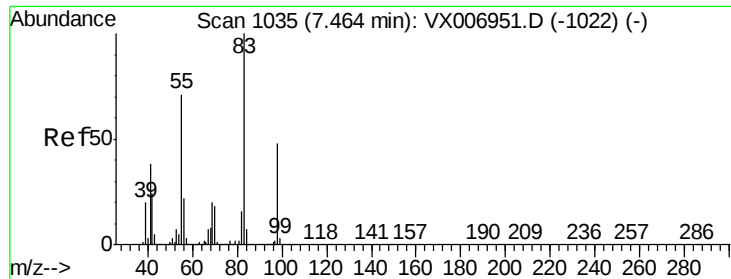
MMDadoda
1/14/2019 10:40:37 AM



#38
Carbon Tetrachloride
Concen: 49.164 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	79.4	119.2
121	31.4	24.0	36.0





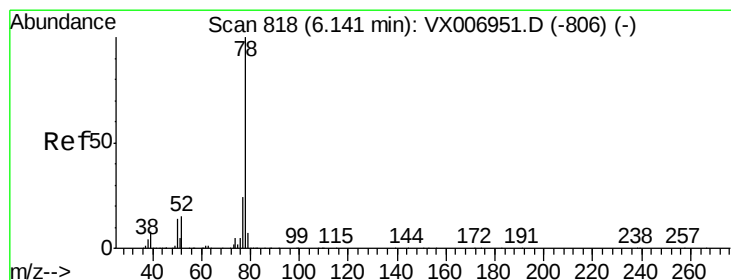
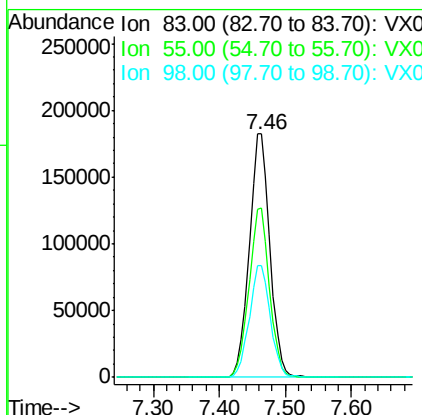
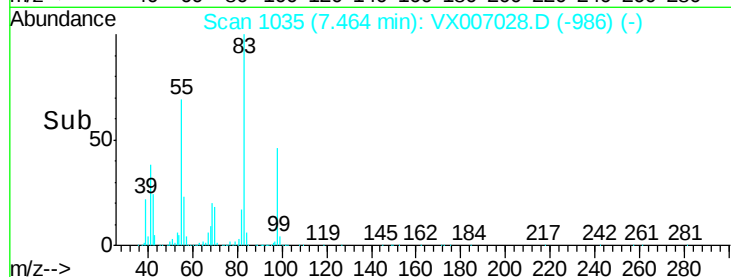
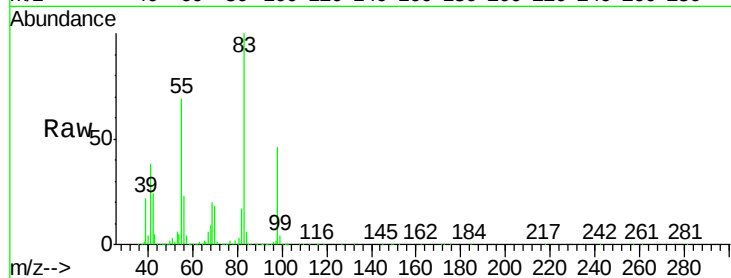
#39
Methvlcvclohexane
Concen: 48.413 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	54.9	82.3
98	45.9	37.9	56.9

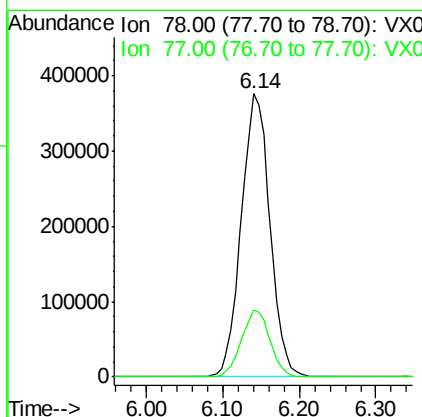
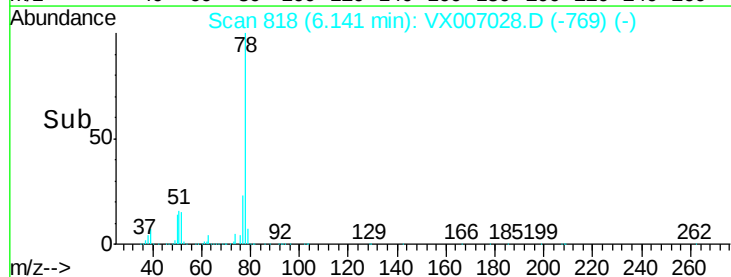
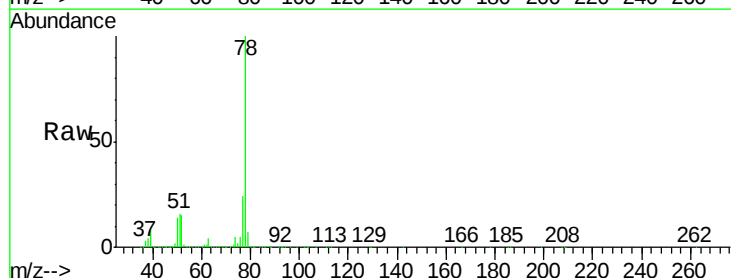
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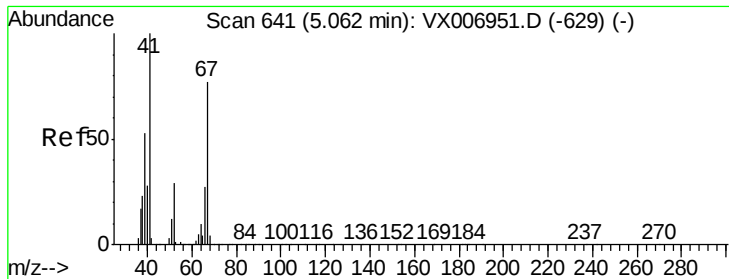
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1/14/2019 10:40:37 AM



#40
Benzene
Concen: 49.747 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





#41

Methacrylonitrile

Concen: 48.169 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007028.D

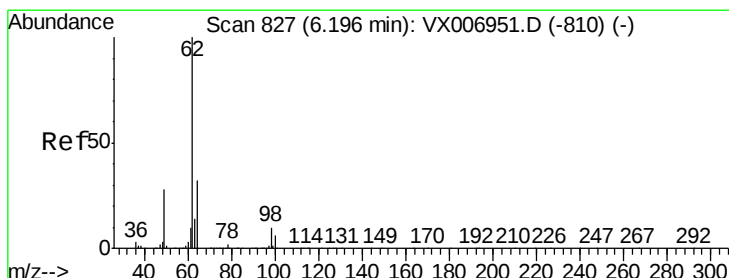
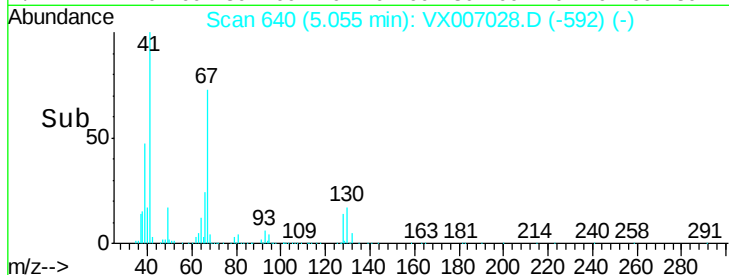
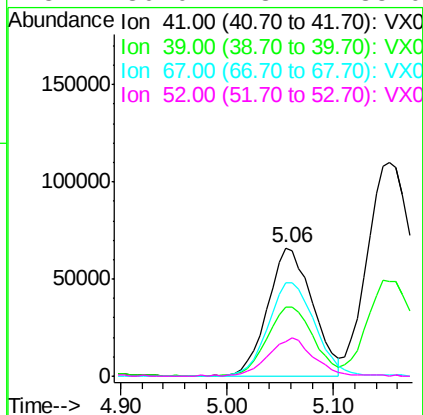
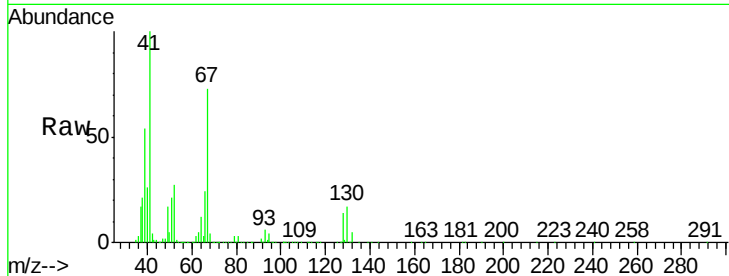
Acq: 11 Jan 2019 21:42

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	42.8	64.2
67	76.4	62.1	93.1
52	30.0	23.4	35.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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1/14/2019 10:40:37 AM



#42

1,2-Dichloroethane

Concen: 48.757 ug/l

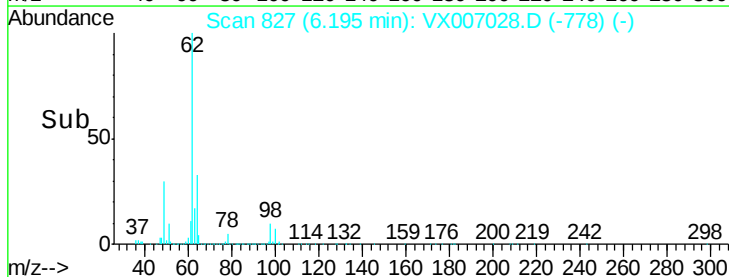
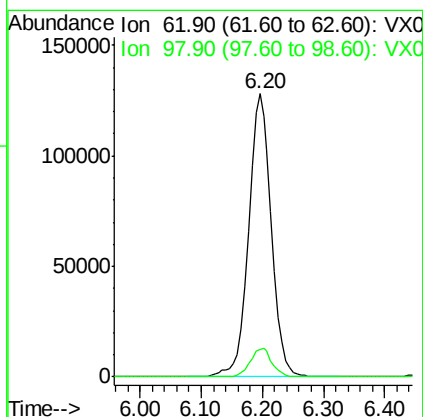
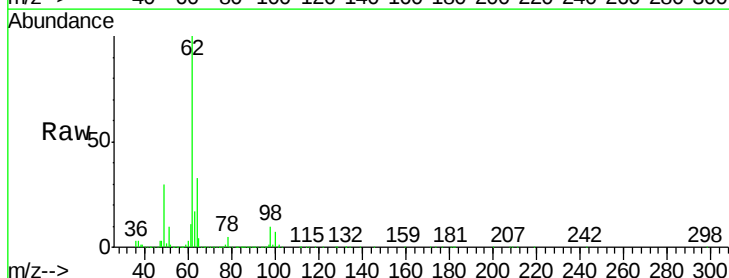
RT: 6.20 min Scan# 827

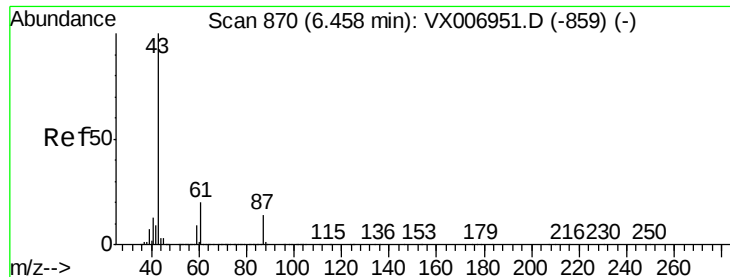
Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

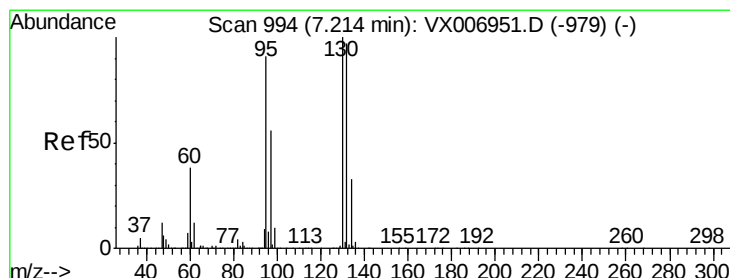
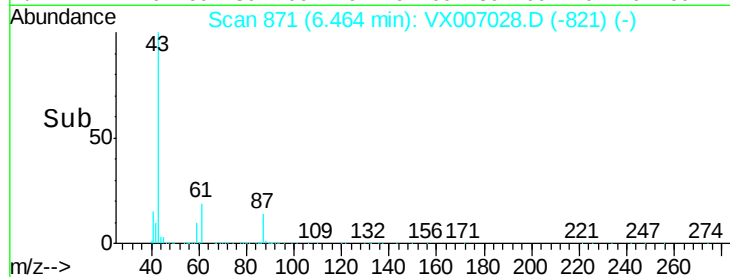
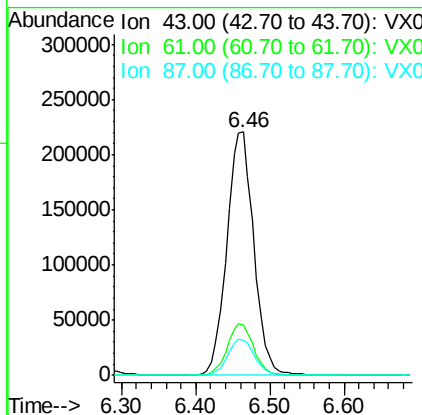
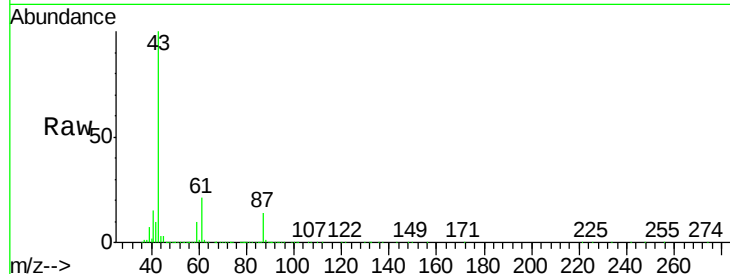
Isopropyl Acetate
 Concen: 50.922 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	14.9	12.4	18.6

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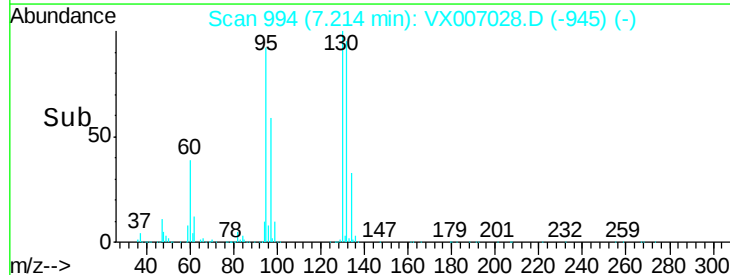
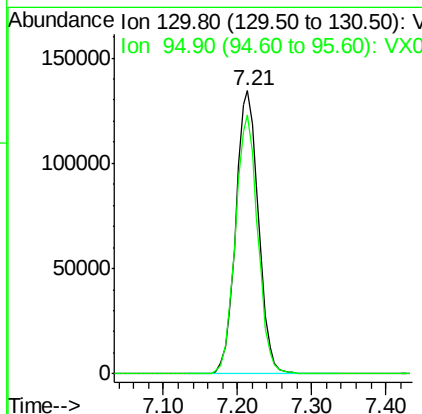
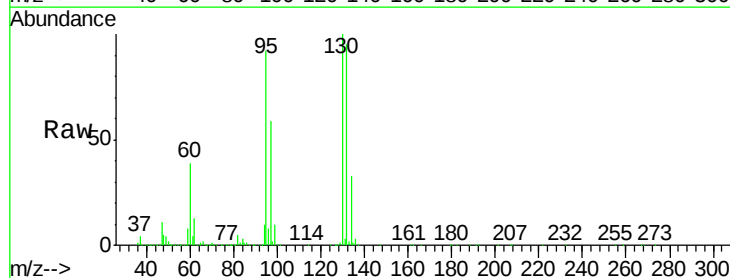
MMDadoda
 1/14/2019 10:40:37 AM

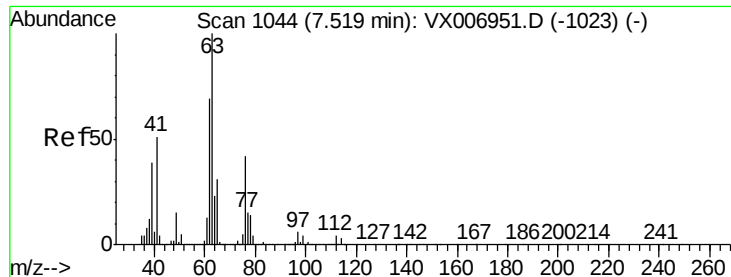


#44

Trichloroethene
 Concen: 48.745 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	187.0





#45

1,2-Dichloropropane

Concen: 48.363 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 239107

Ion Ratio Lower Upper

63 100

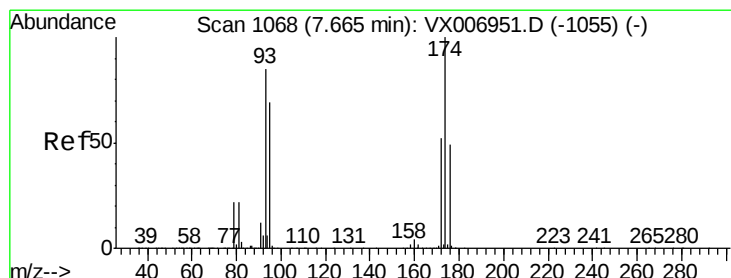
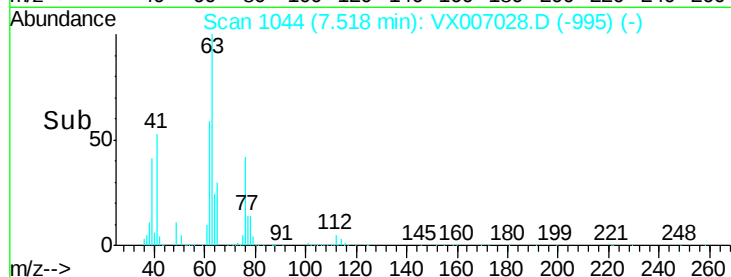
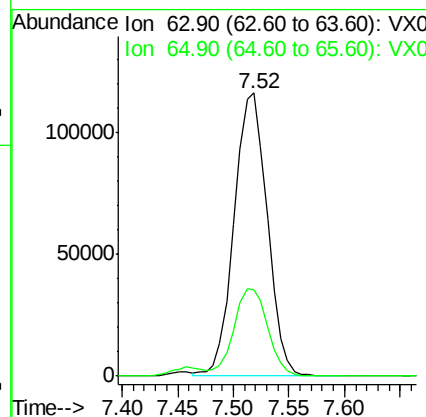
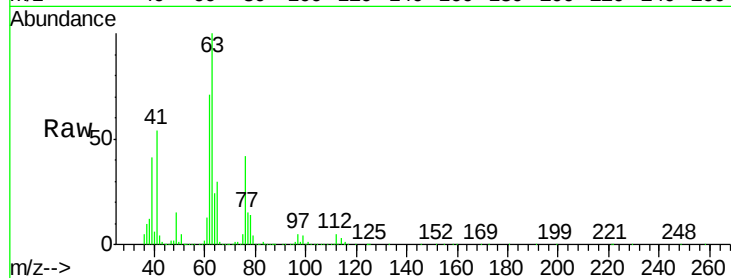
65 30.4 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 50.403 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

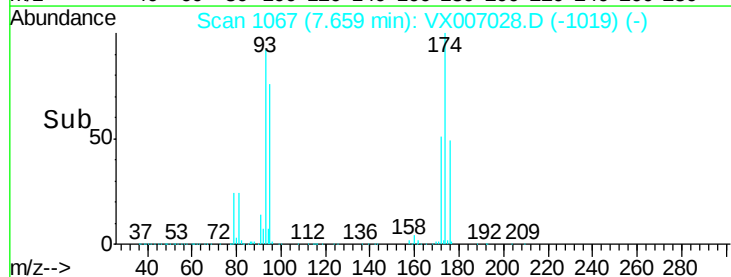
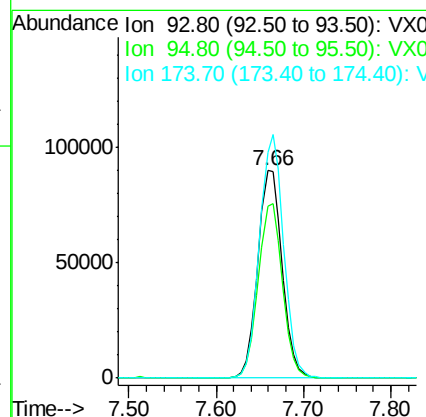
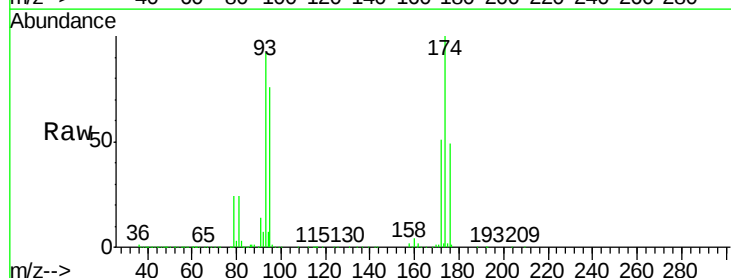
Tgt Ion: 93 Resp: 175133

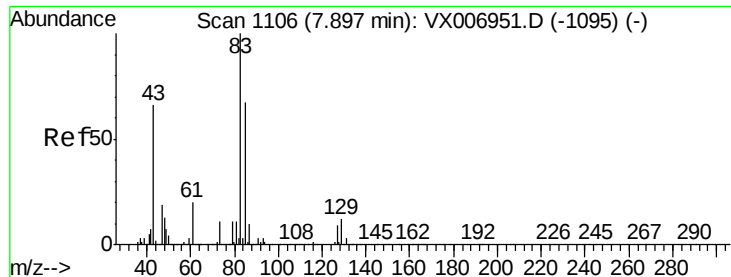
Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

174 115.8 91.0 136.4





#47

Bromodichloromethane

Concen: 52.025 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

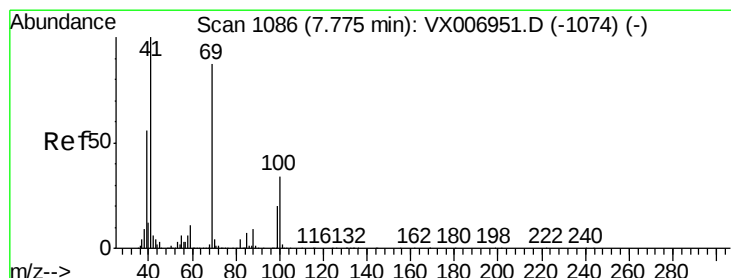
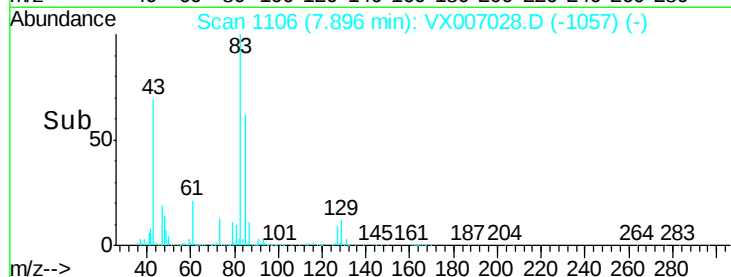
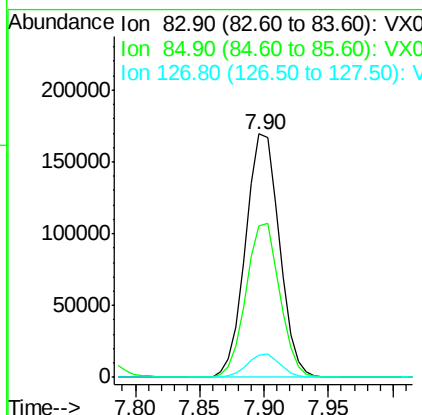
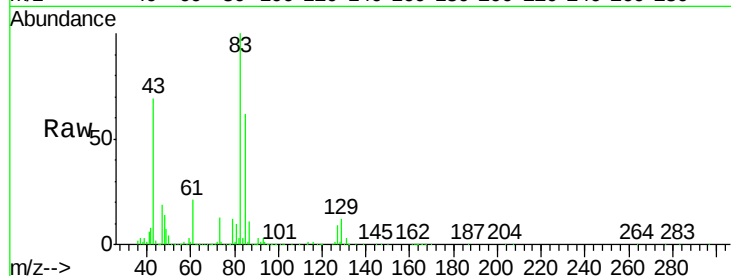
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	307698
Ion Ratio	Lower	Upper	
83	100		
85	61.9	53.2	79.8
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.856 ug/l

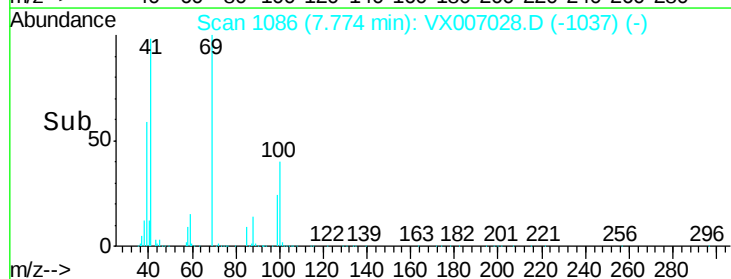
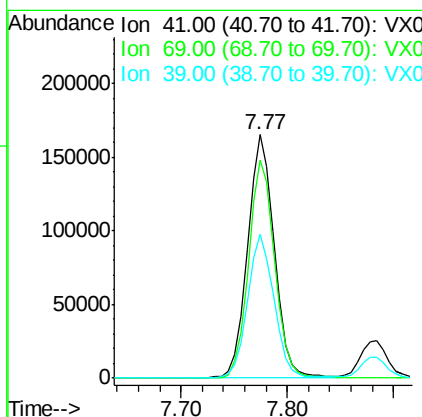
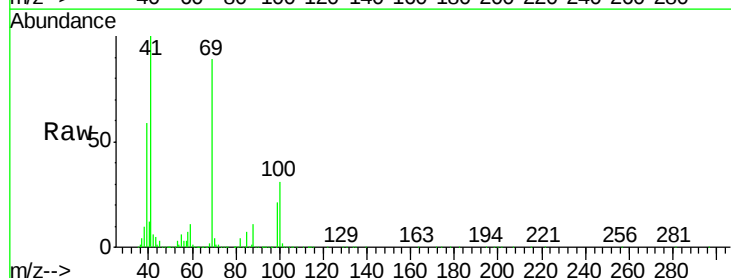
RT: 7.77 min Scan# 1086

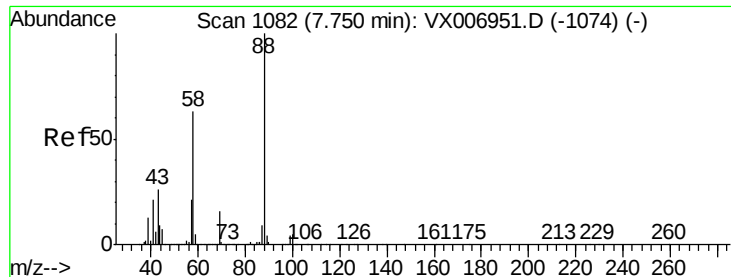
Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	41	Resp:	290240
Ion Ratio	Lower	Upper	
41	100		
69	88.1	72.4	108.6
39	58.3	45.8	68.8





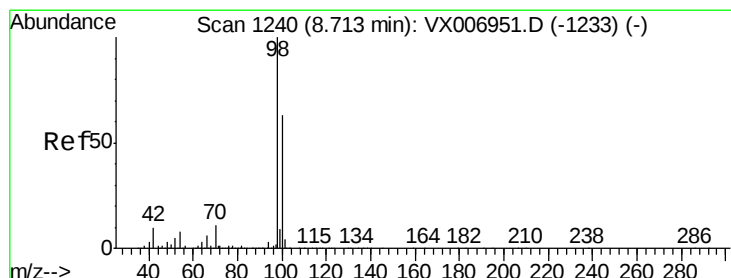
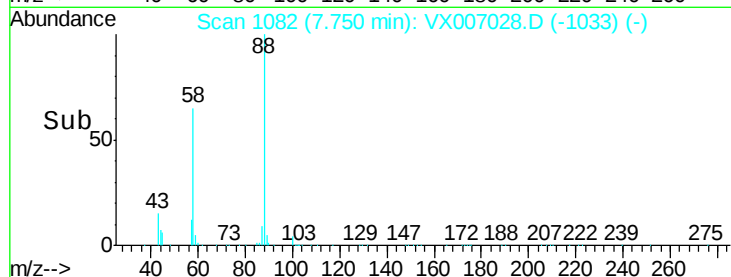
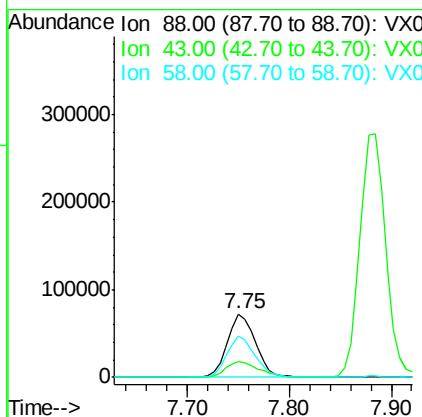
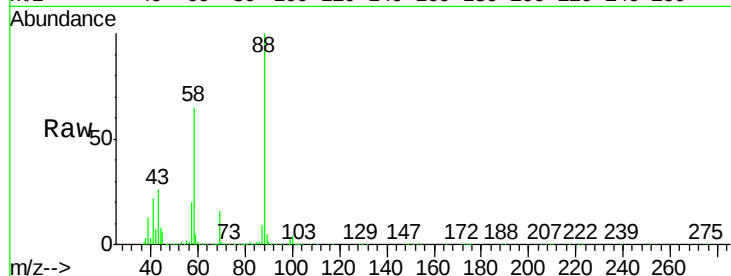
#49
1,4-Dioxane
Concen: 1069.500 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.2	33.4
58	65.4	51.0	76.4

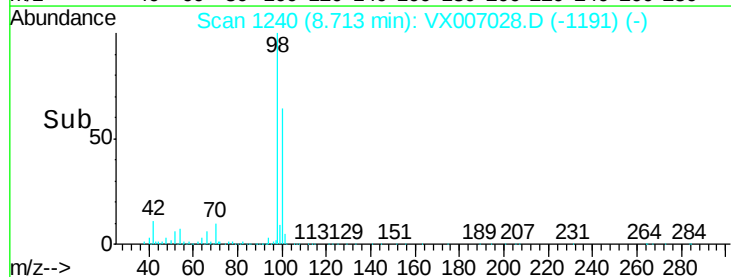
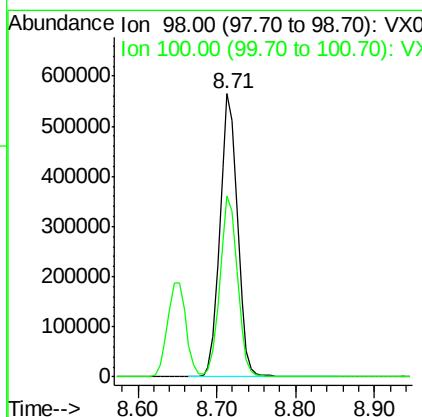
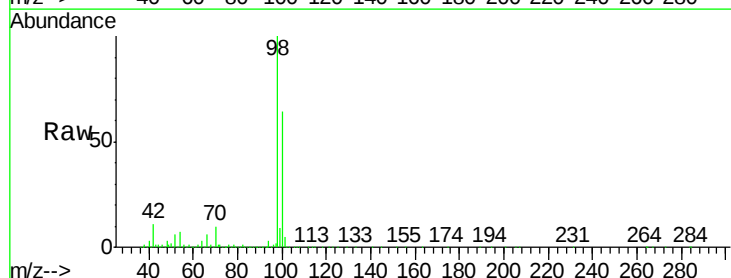
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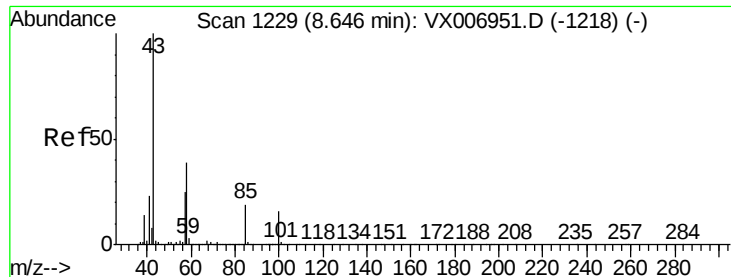
MMDadoda
1/14/2019 10:40:37 AM



#50
Toluene-d8
Concen: 50.501 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 264.106 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tot Ion: 43 Resp: 1849882

Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.6

Instrument :

MSVOA_X

ClientSampleId :

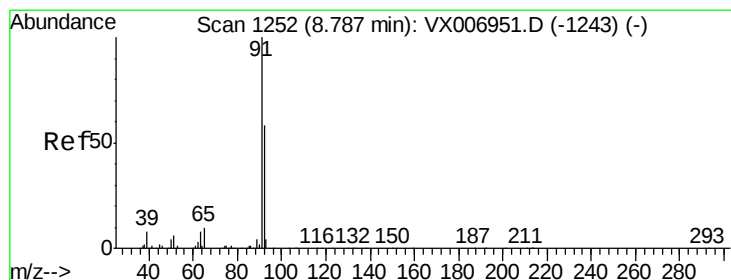
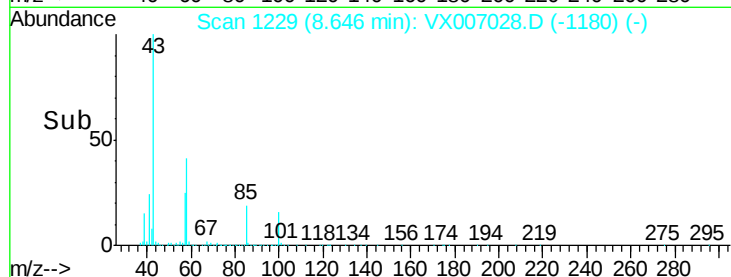
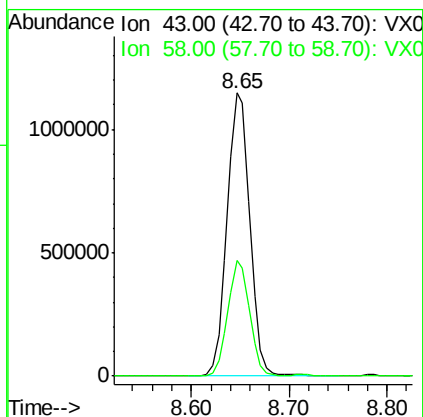
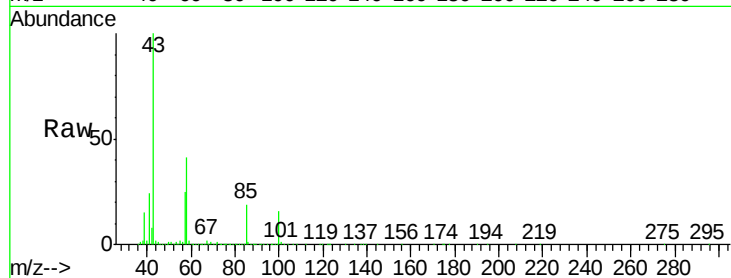
VSTDCCC050EC

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#52

Toluene

Concen: 50.977 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007028.D

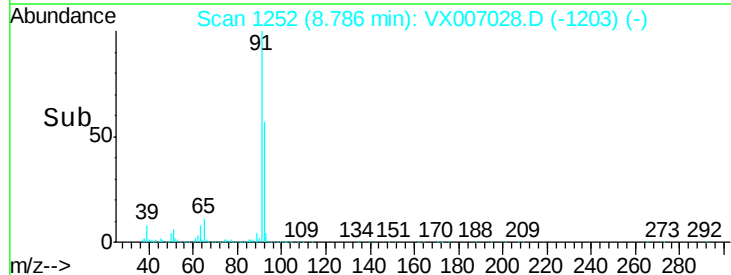
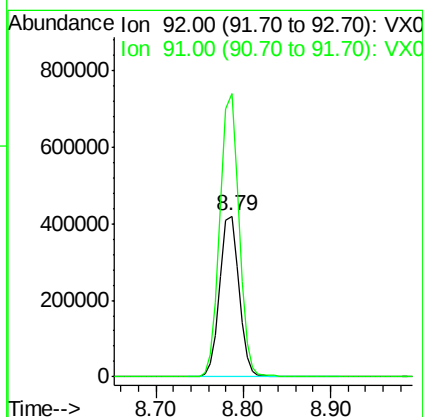
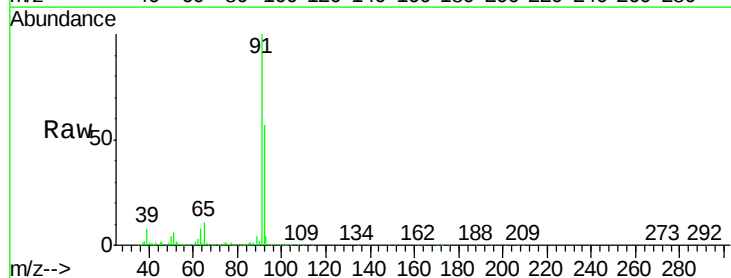
Acq: 11 Jan 2019 21:42

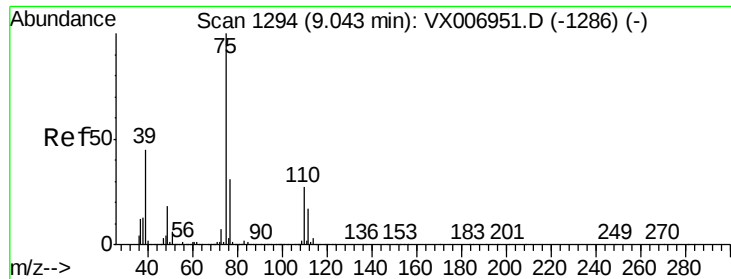
Tgt Ion: 92 Resp: 644334

Ion Ratio Lower Upper

92 100

91 173.9 137.6 206.4





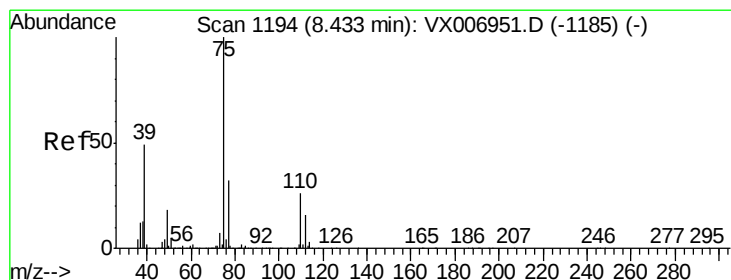
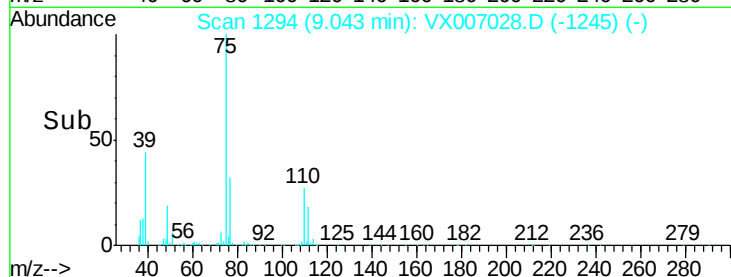
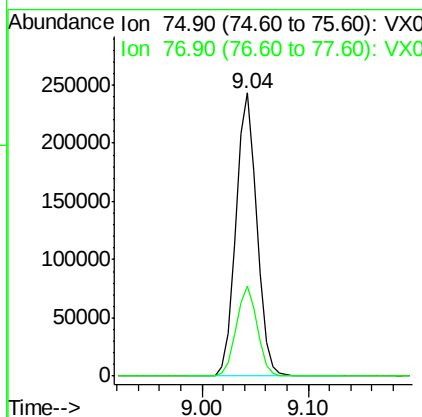
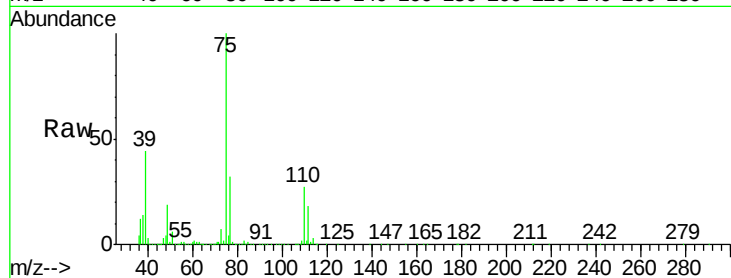
#53
t-1,3-Dichloropropene
Concen: 51.138 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

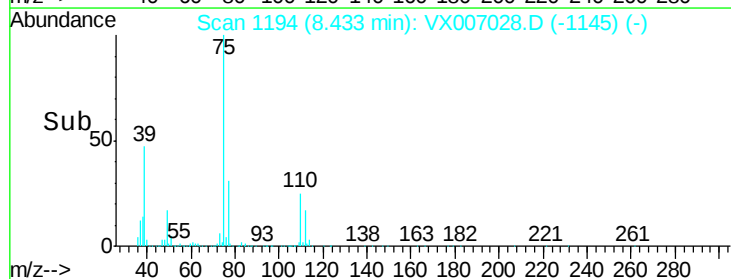
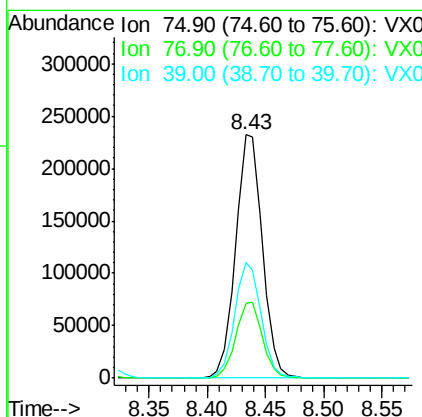
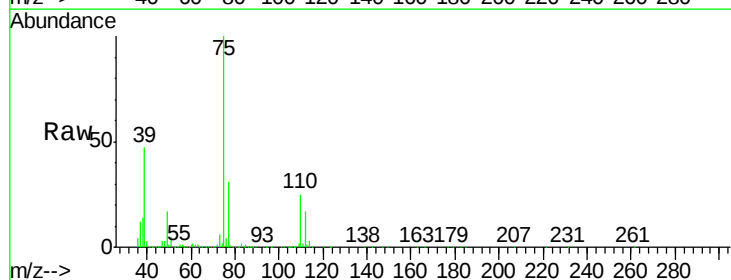
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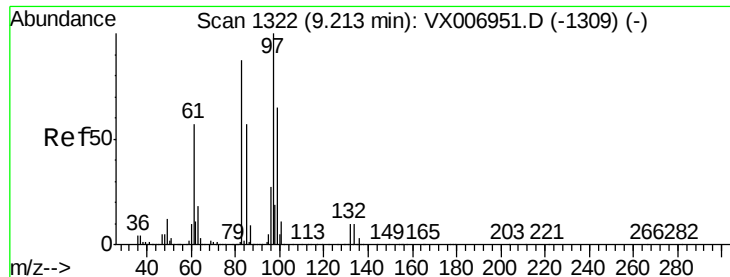
MMDadoda
1/14/2019 10:40:37 AM



#54
cis-1,3-Dichloropropene
Concen: 51.456 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.2	39.2
39	47.2	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 52.629 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

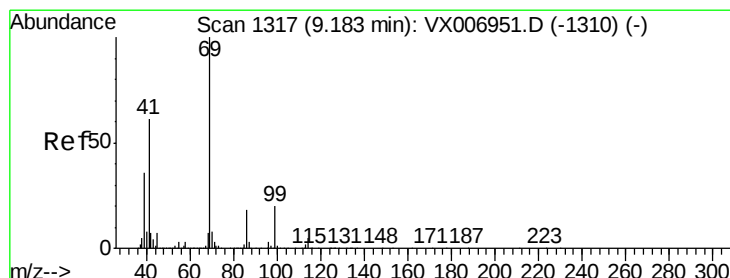
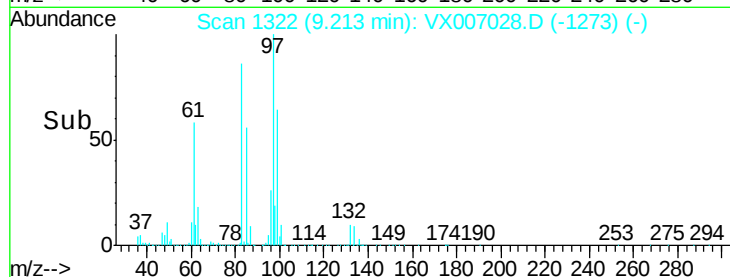
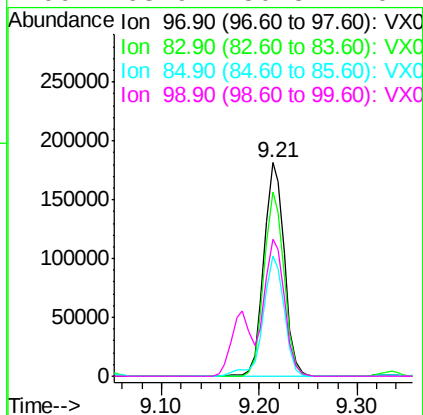
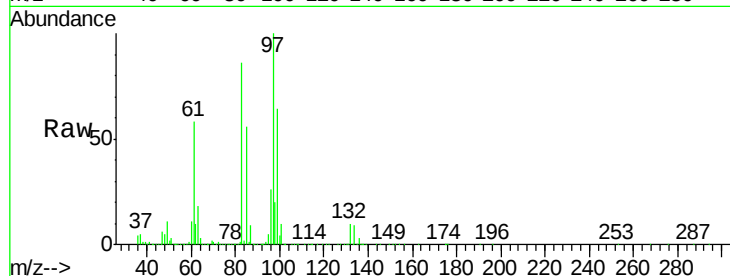
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	266259
Ion Ratio	Lower	Upper	
97	100		
83	86.4	66.6	99.8
85	56.4	42.7	64.1
99	63.9	50.8	76.2

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#56

Ethyl methacrylate

Concen: 54.205 ug/l

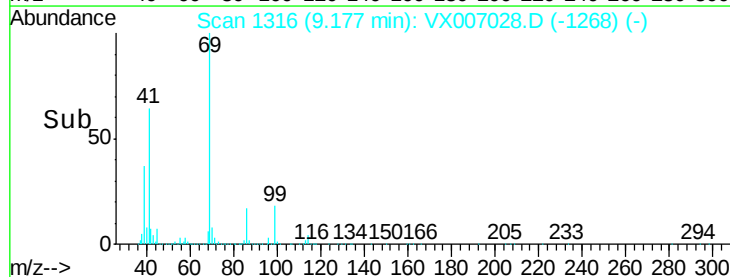
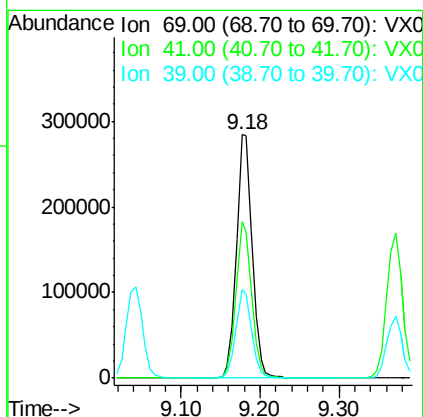
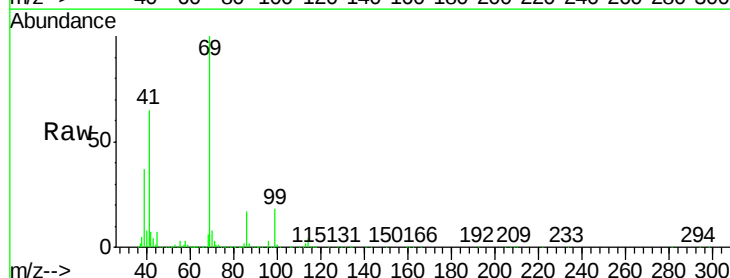
RT: 9.18 min Scan# 1316

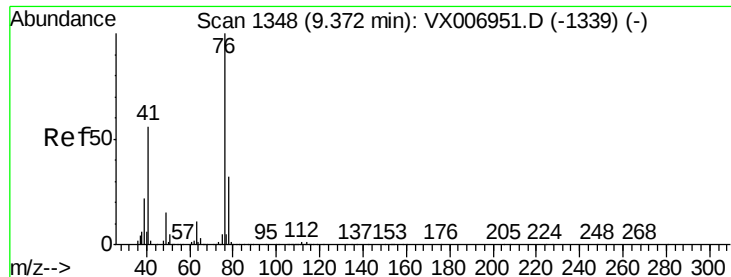
Delta R.T. -0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	69	Resp:	400346
Ion Ratio	Lower	Upper	
69	100		
41	63.7	48.7	73.1
39	36.0	27.0	40.6





#57

1,3-Dichloropropane

Concen: 51.368 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 425757

Ion Ratio Lower Upper

76 100

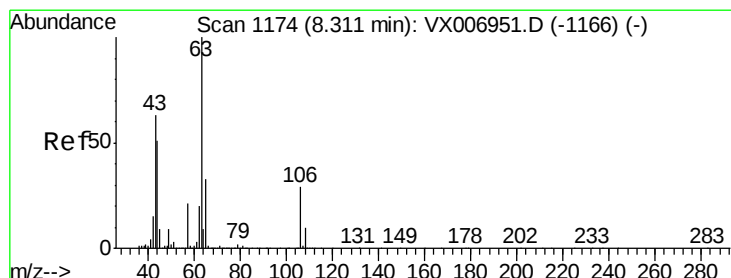
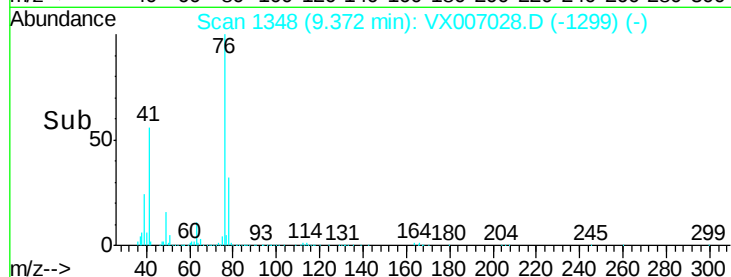
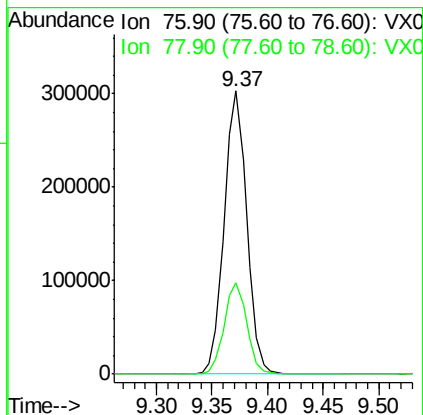
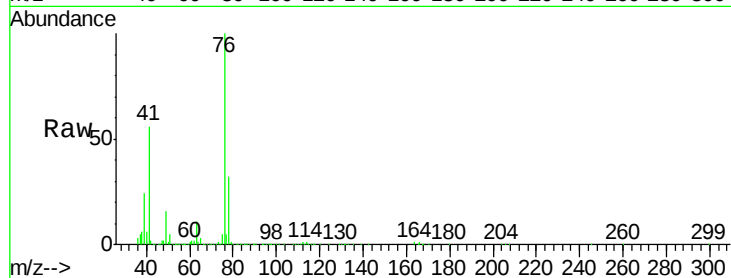
78 32.3 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 263.587 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007028.D

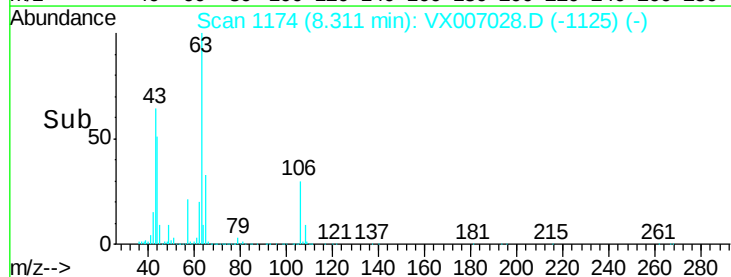
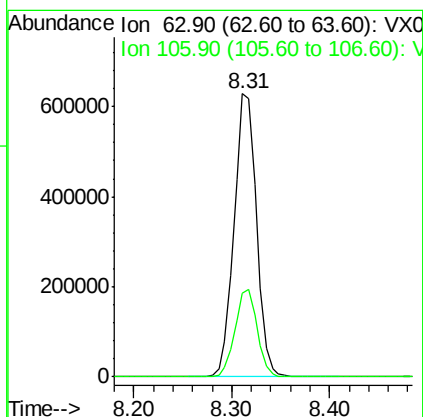
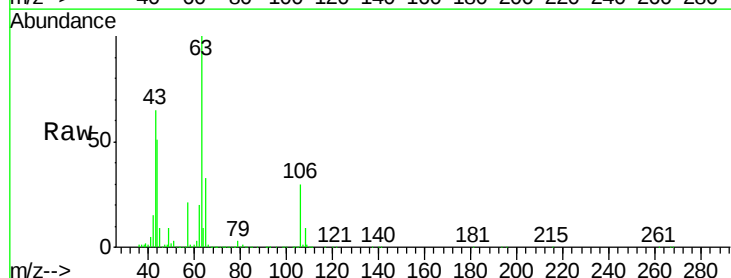
Acq: 11 Jan 2019 21:42

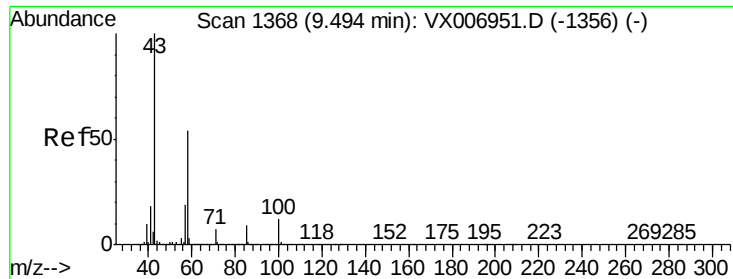
Tgt Ion: 63 Resp: 1000961

Ion Ratio Lower Upper

63 100

106 30.6 24.6 36.8





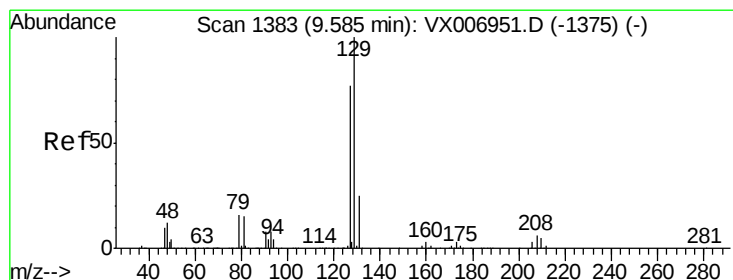
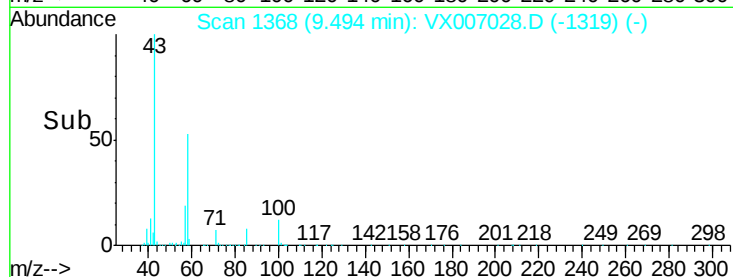
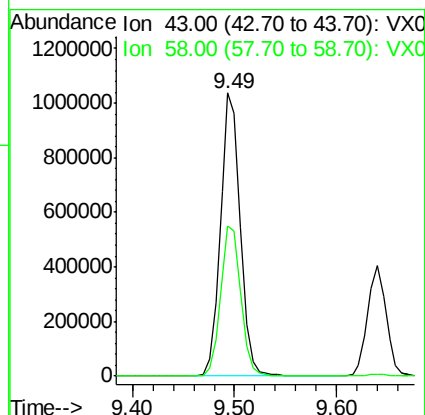
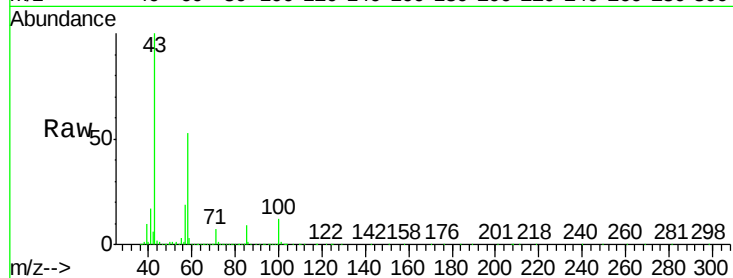
#59
2-Hexanone
Concen: 263.917 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1408705
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1

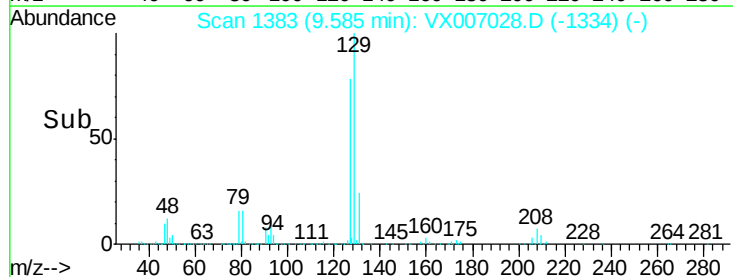
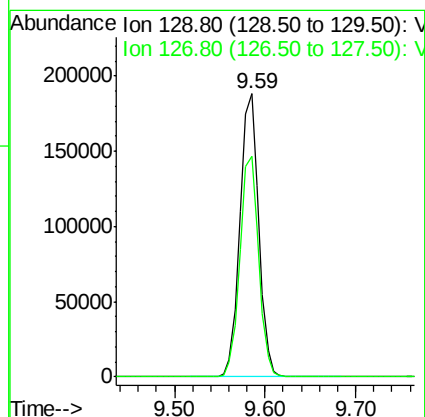
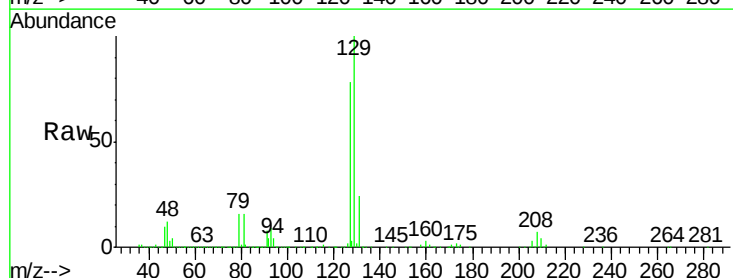
Manual Integrations
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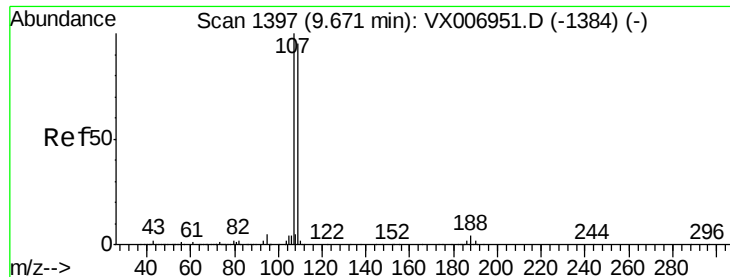
MMDadoda
1/14/2019 10:40:37 AM



#60
Dibromochloromethane
Concen: 55.016 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion: 129 Resp: 270272
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.807 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 288546

Ion Ratio Lower Upper

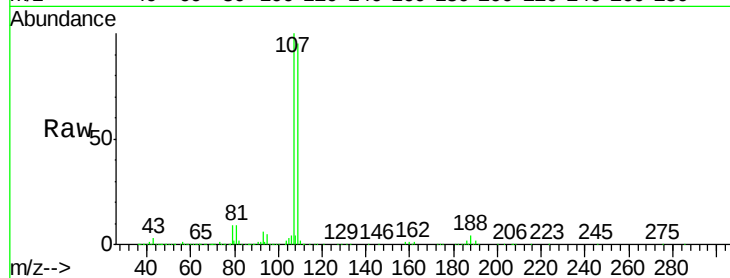
107 100

109 95.0 75.8 113.6

Manual Integrations
APPROVED

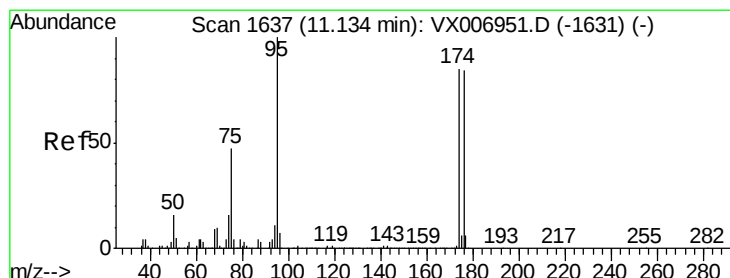
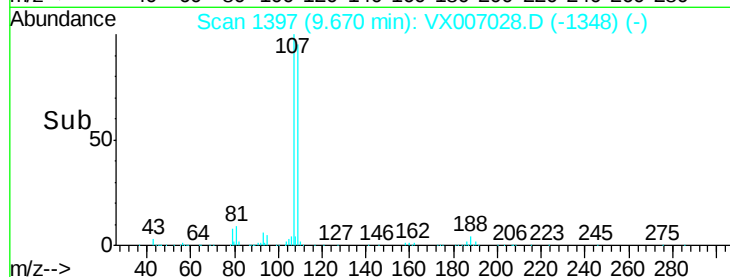
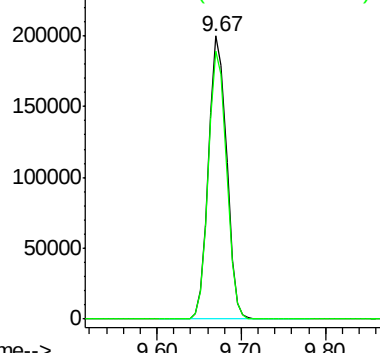
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.445 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

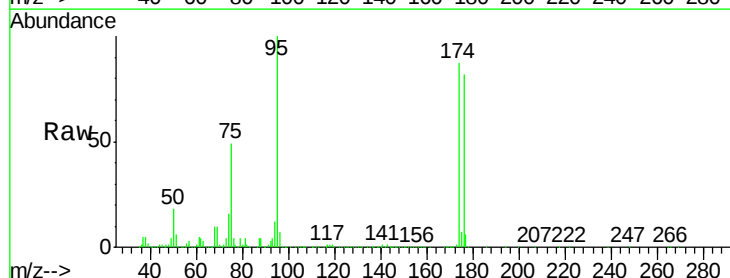
Tgt Ion: 95 Resp: 317700

Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.2

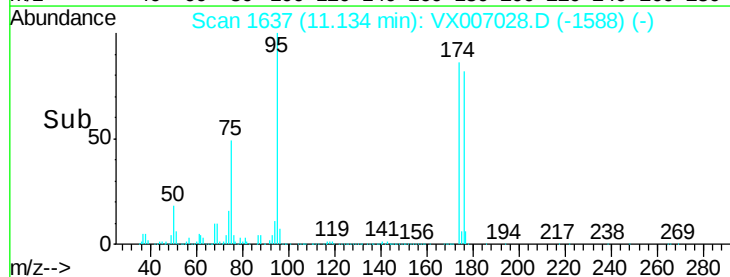
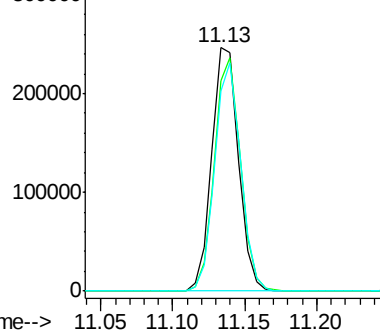
176 90.4 0.0 178.8

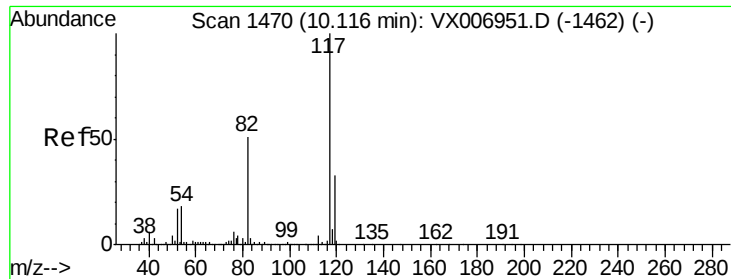


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





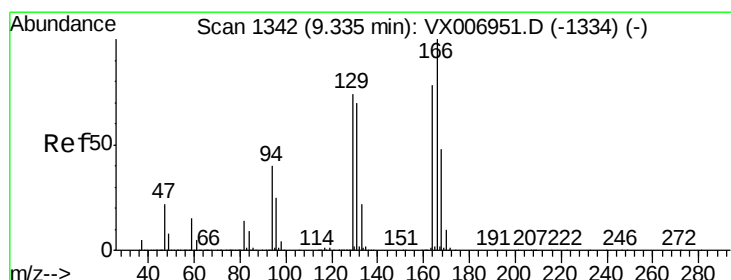
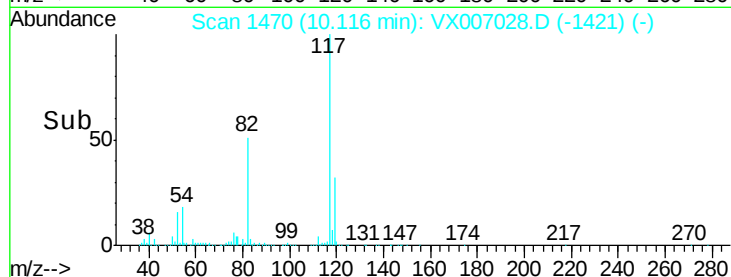
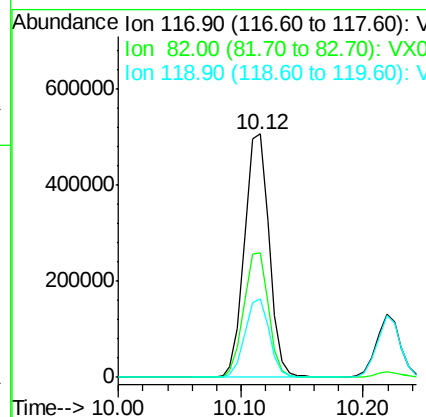
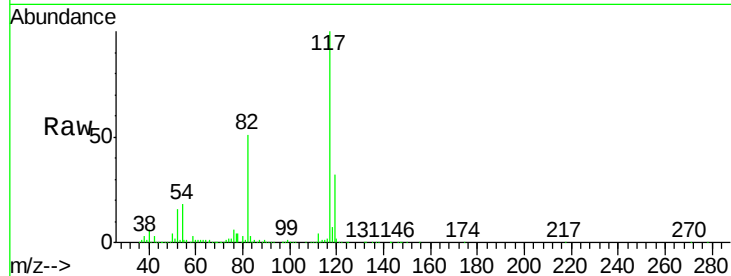
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	706996		
82	51.1		41.0	61.6
119	32.1		25.4	38.0

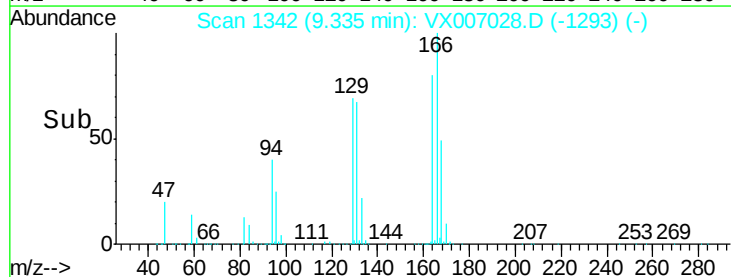
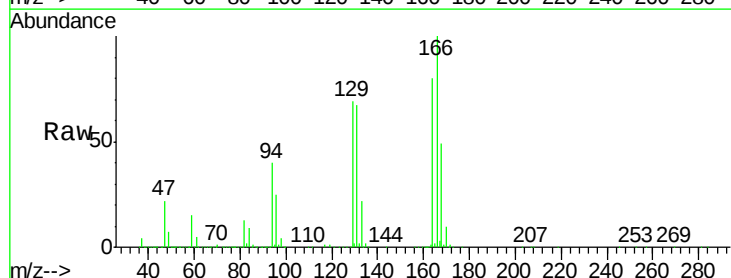
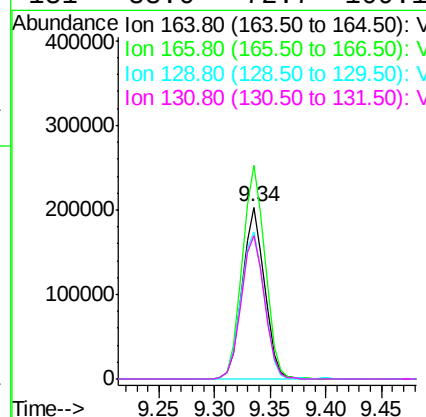
Manual Integrations
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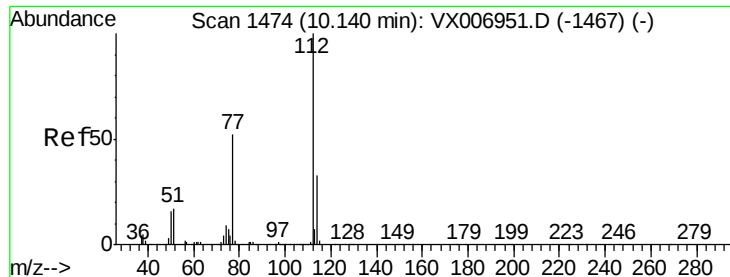
MMDadoda
1/14/2019 10:40:37 AM



#64
Tetrachloroethene
Concen: 46.044 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	281836		
166	124.4		102.5	153.7
129	86.1		75.1	112.7
131	83.6		72.7	109.1





#65

Chlorobenzene

Concen: 47.560 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 733375

Ion Ratio Lower Upper

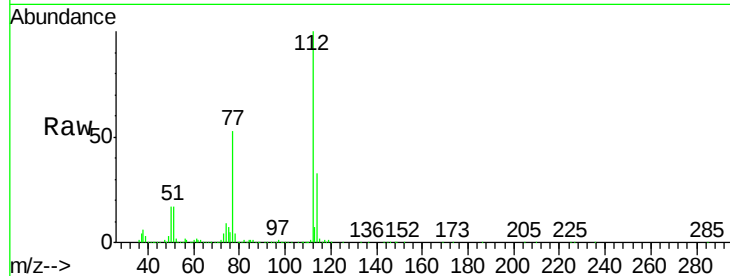
112 100

114 33.2 25.7 38.5

Manual Integrations
APPROVED

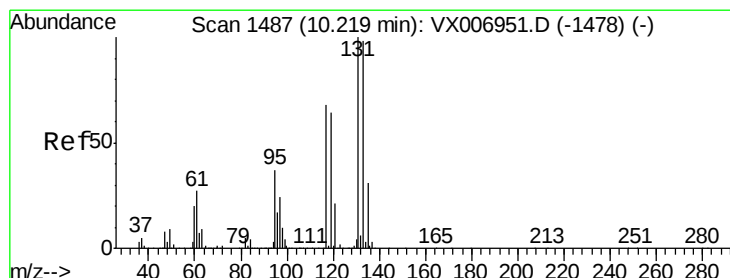
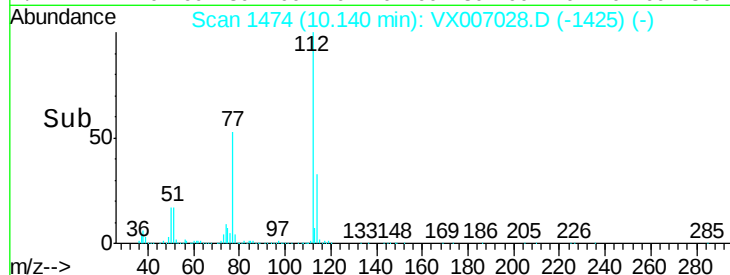
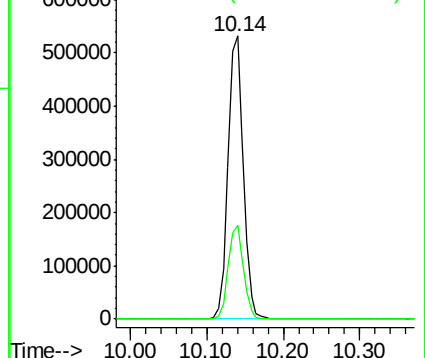
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.417 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

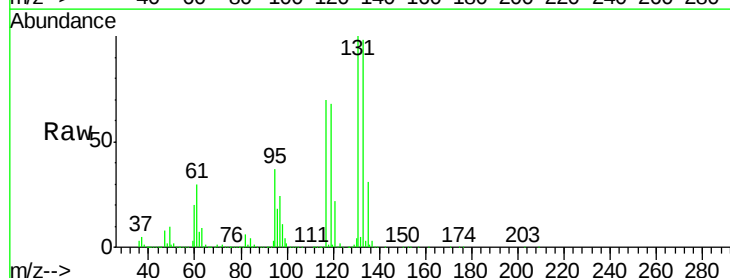
Tgt Ion:131 Resp: 261528

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

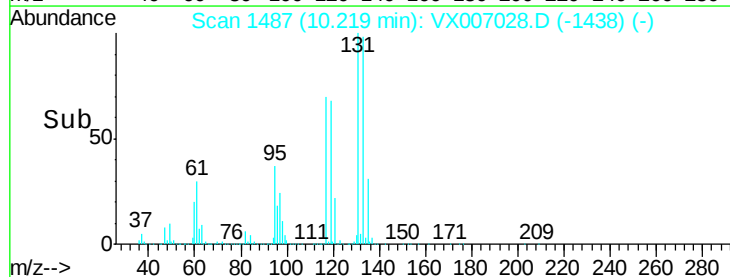
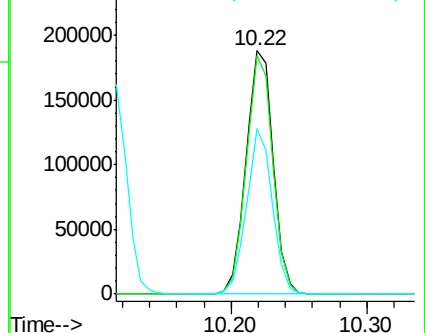
119 64.6 32.6 97.8

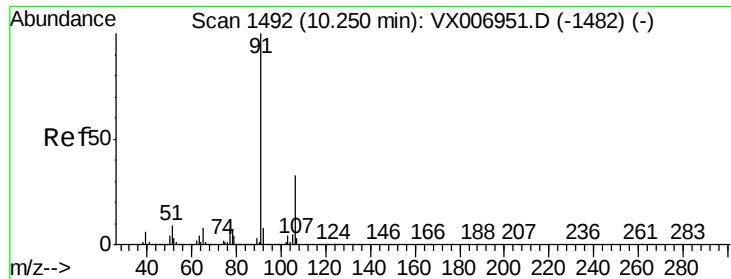


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.639 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1238190

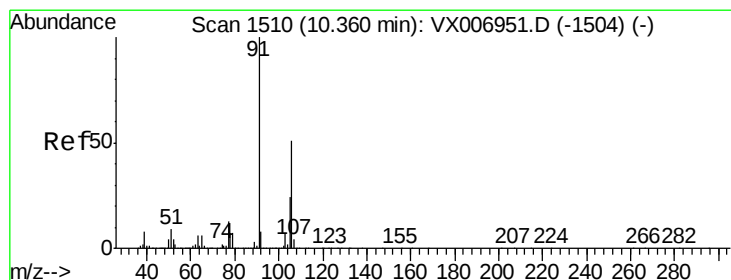
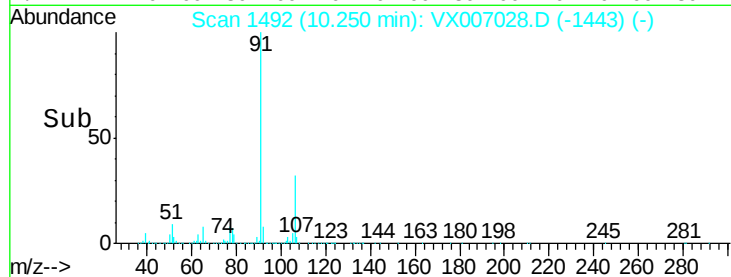
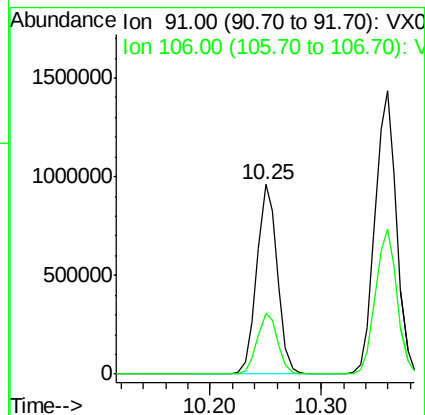
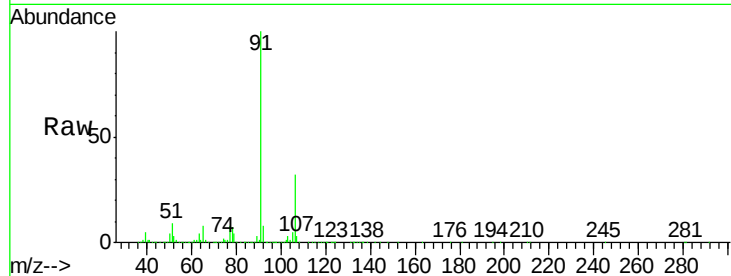
Ion Ratio Lower Upper

91 100

106 31.9 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 98.576 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007028.D

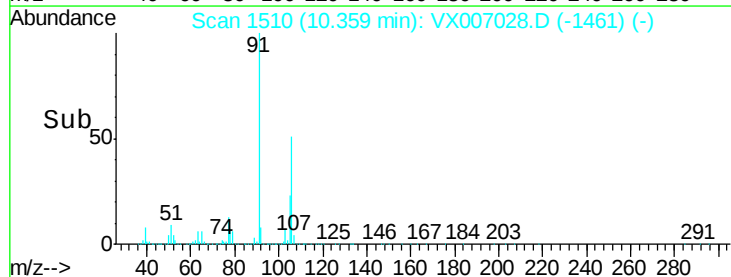
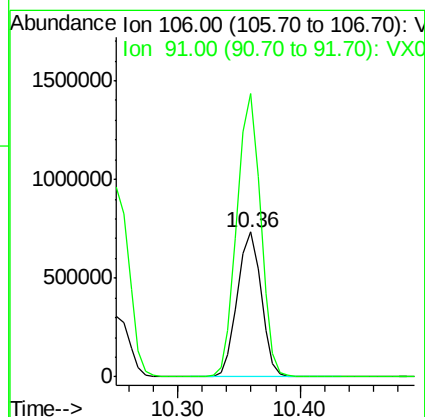
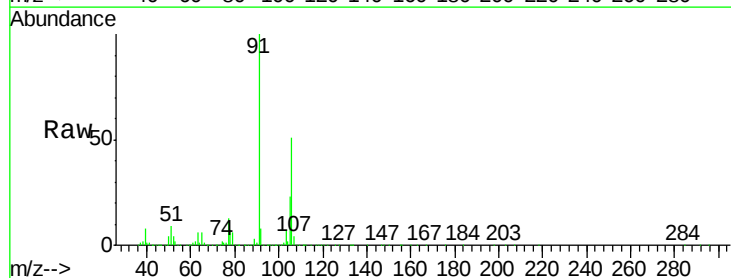
Acq: 11 Jan 2019 21:42

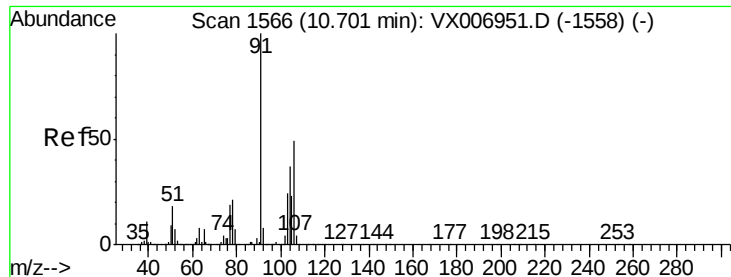
Tgt Ion: 106 Resp: 988666

Ion Ratio Lower Upper

106 100

91 195.1 155.8 233.6





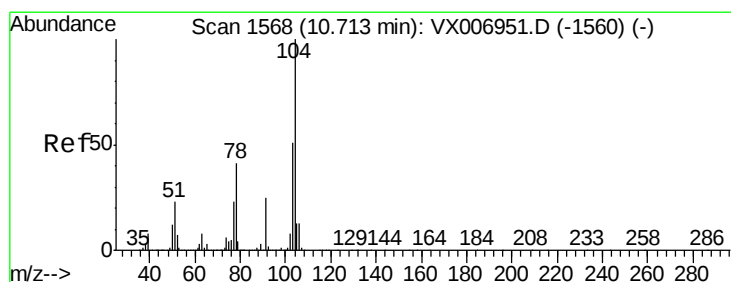
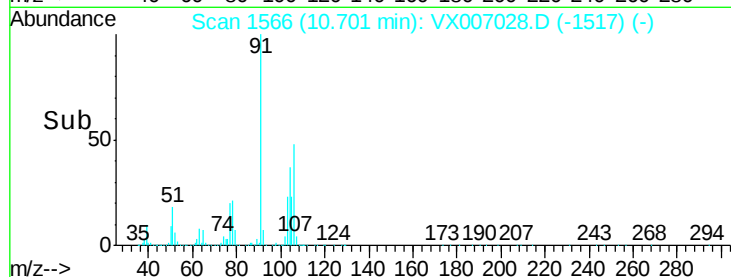
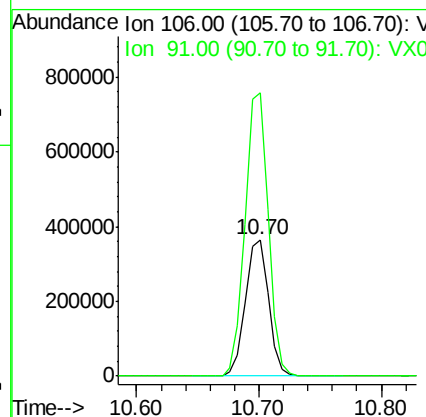
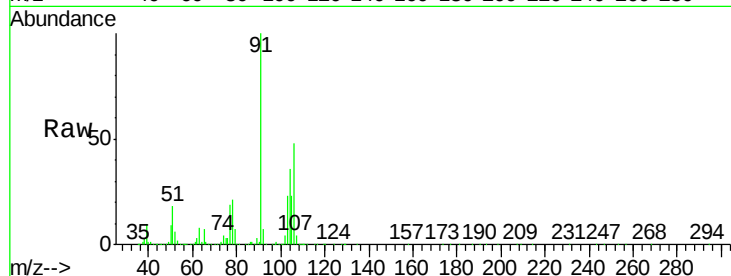
#69
o-Xylene
Concen: 48.790 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.1	101.3	303.7

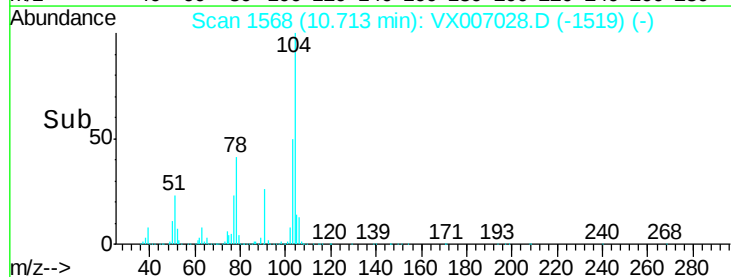
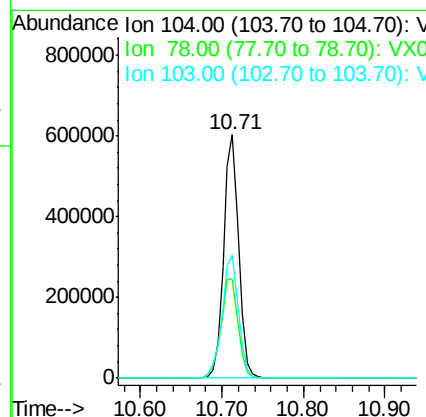
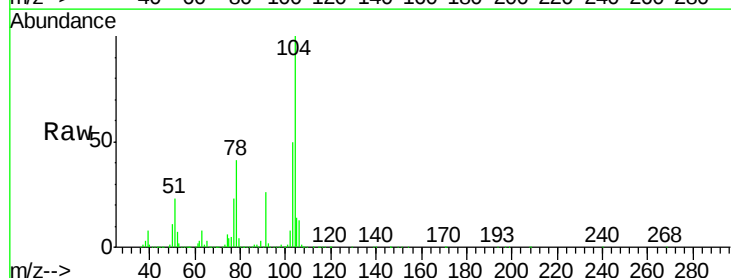
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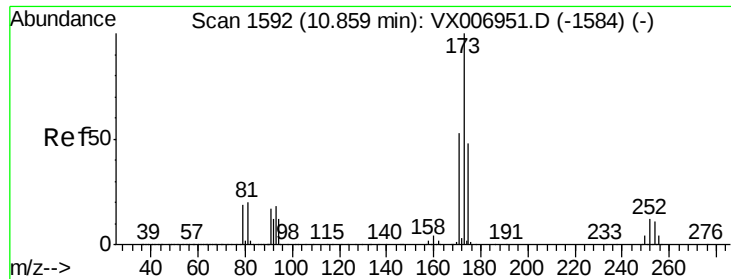
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#70
Styrene
Concen: 50.408 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.7	56.5
103	55.1	43.8	65.8





#71

Bromoform

Concen: 44.224 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 202440

Ion Ratio Lower Upper

173 100

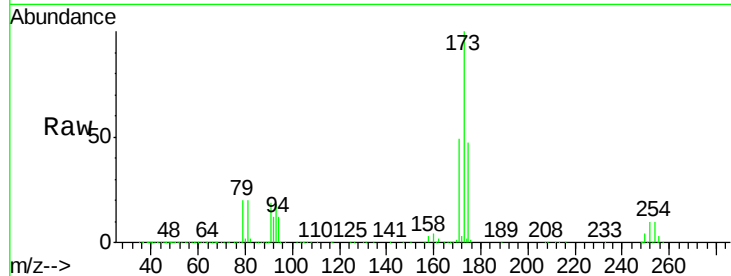
175 48.0 24.7 74.1

254 0.2 0.2 0.2

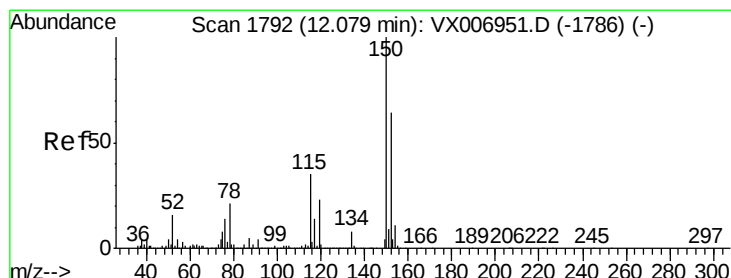
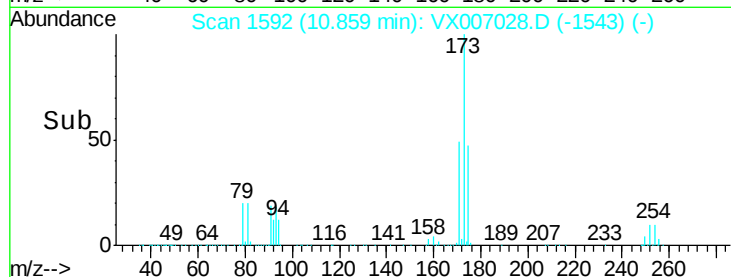
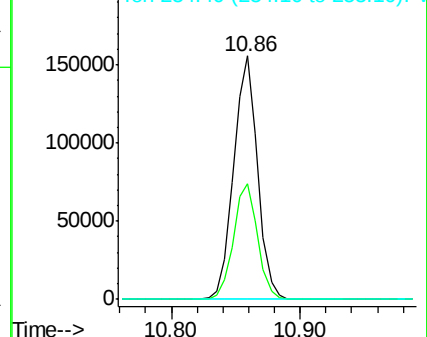
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

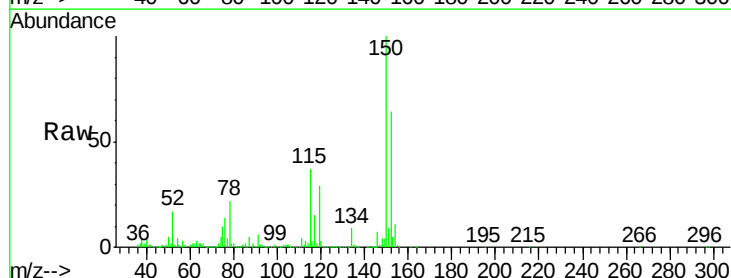
Tgt Ion:152 Resp: 359552

Ion Ratio Lower Upper

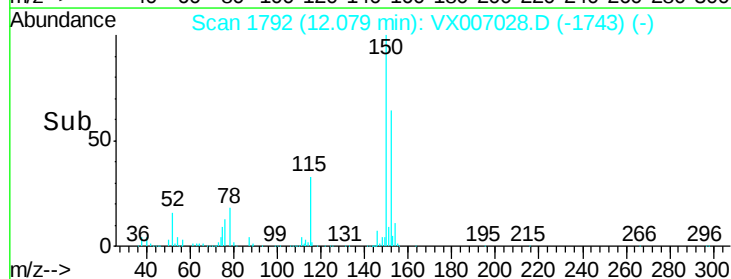
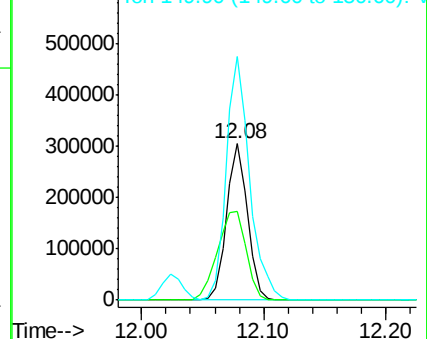
152 100

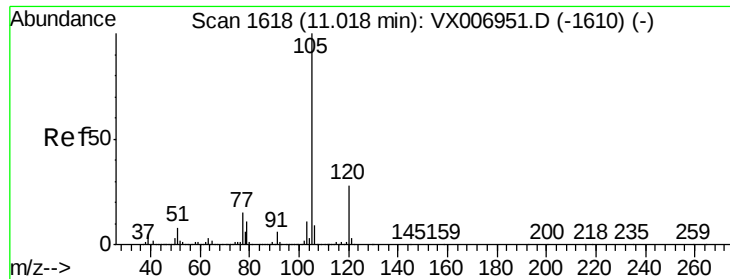
115 78.4 39.1 117.2

150 174.9 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: 50.048 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1268891

Ion Ratio Lower Upper

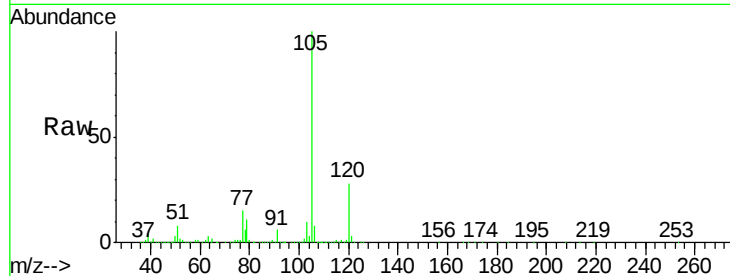
105 100

120 27.7 14.1 42.4

Manual Integrations
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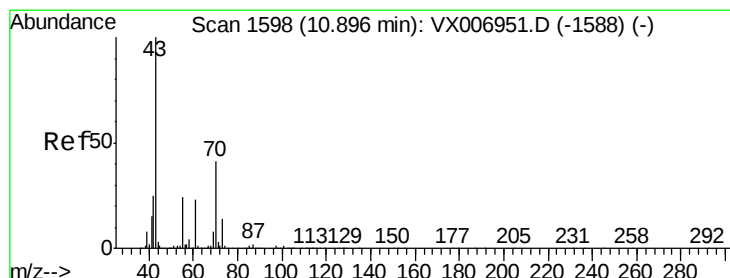
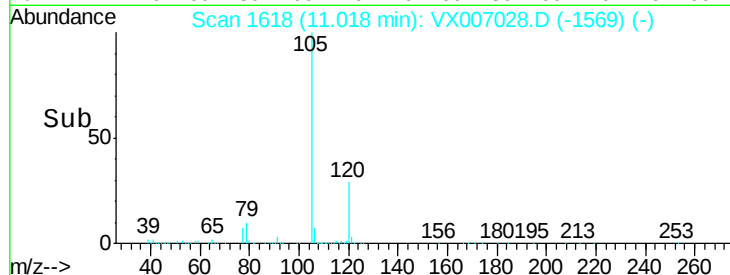
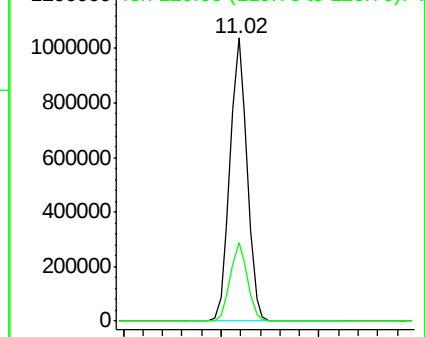
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.010 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion: 43 Resp: 510495

Ion Ratio Lower Upper

43 100

70 43.1 35.8 53.8

55 24.0 19.4 29.0

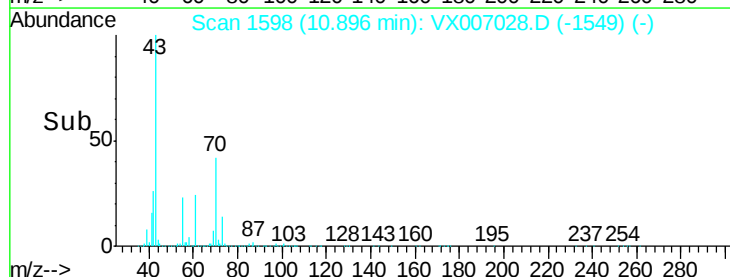
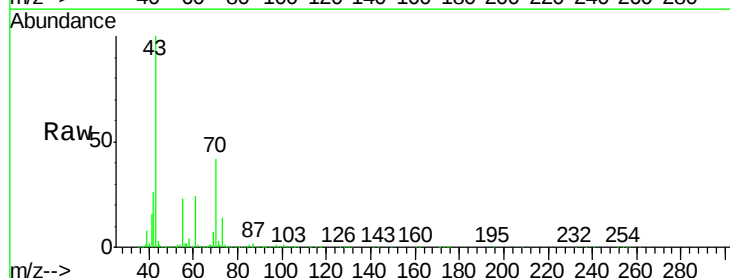
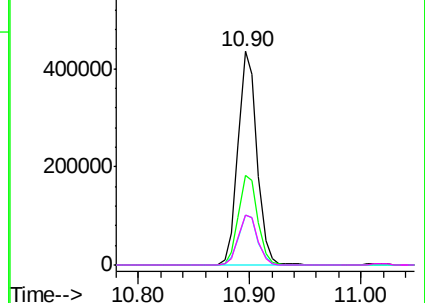
61 24.2 20.1 30.1

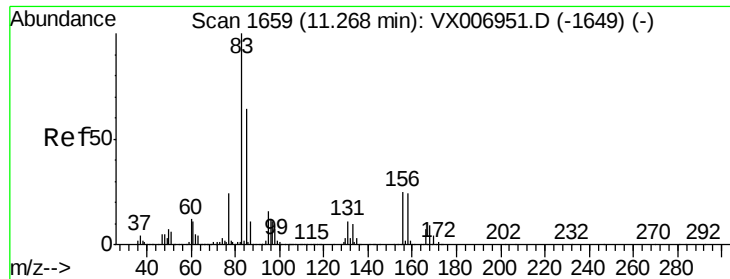
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.580 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 391013
Ion Ratio Lower Upper

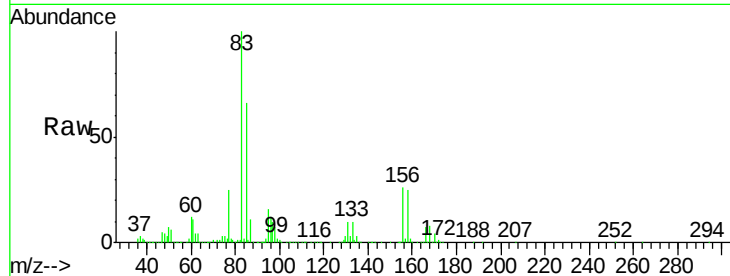
83 100

131 11.4 5.7 17.1

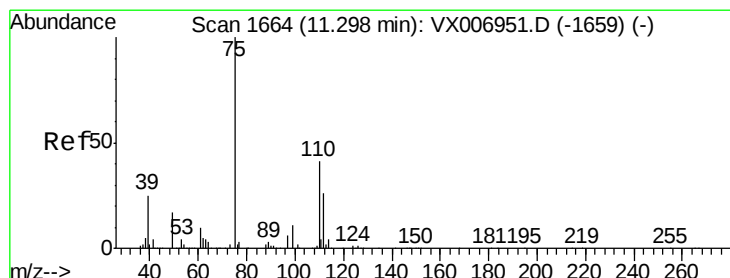
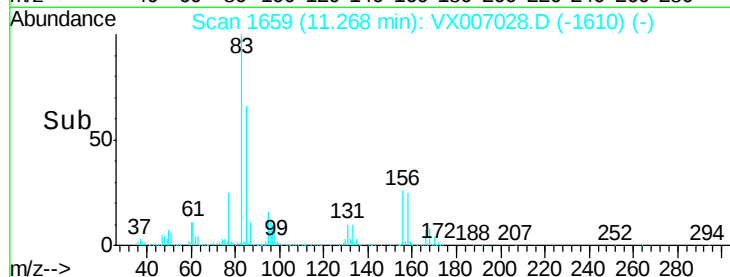
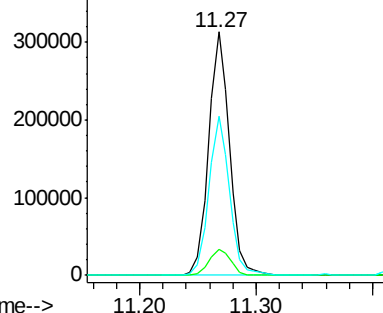
85 65.0 32.2 96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.422 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

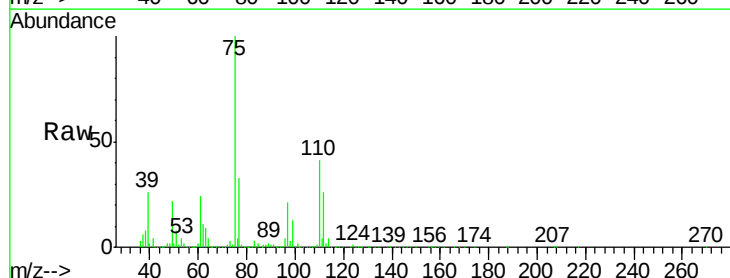
Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

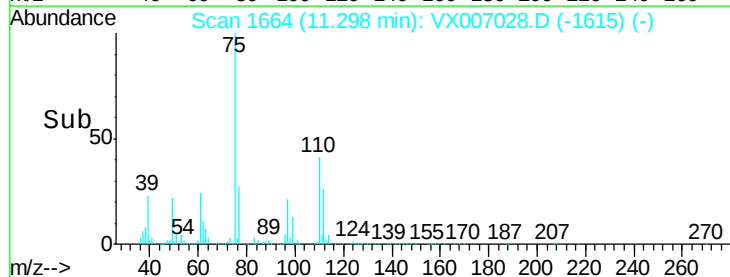
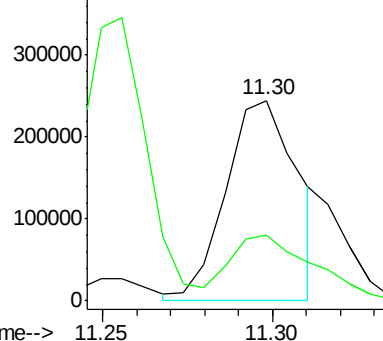
Tgt Ion: 75 Resp: 360100
Ion Ratio Lower Upper

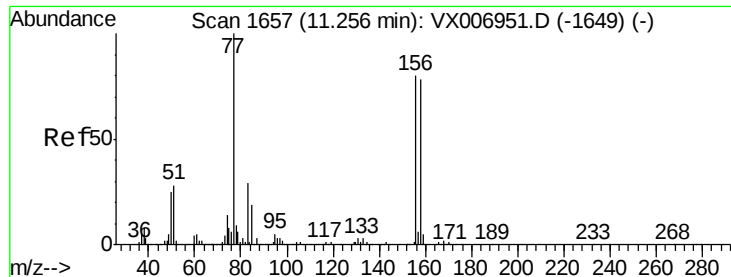
75 100

77 38.1 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.789 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

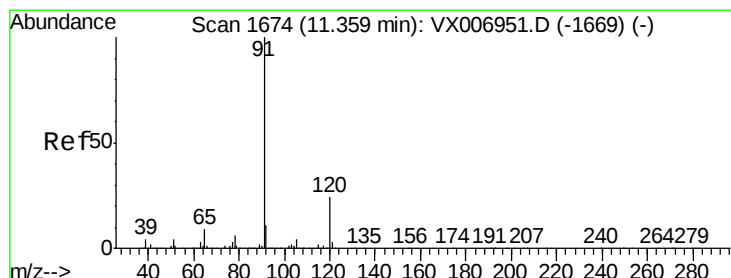
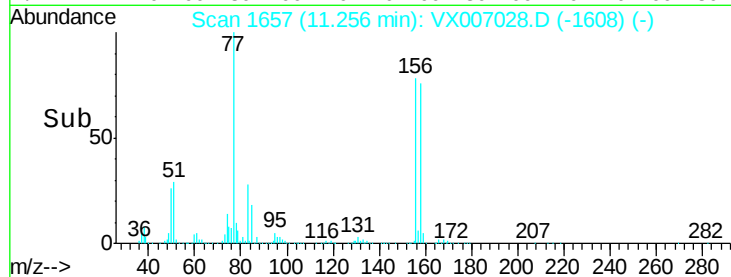
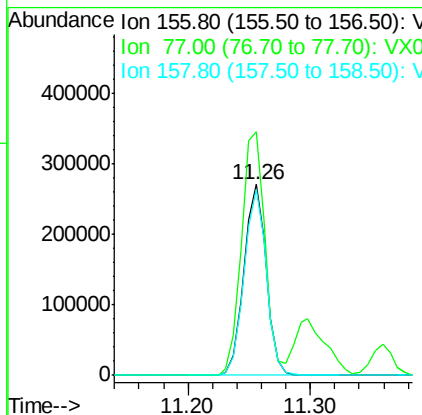
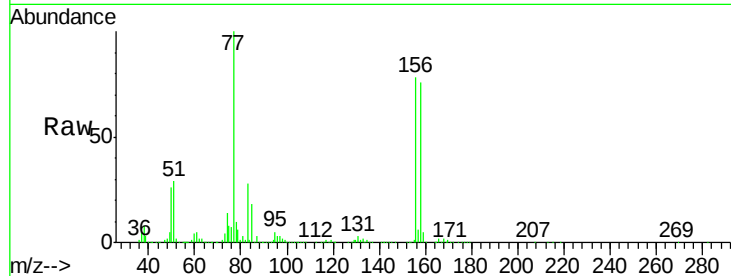
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.4	68.0	204.0
158	97.6	48.3	144.8

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#78

n-propylbenzene

Concen: 50.695 ug/l

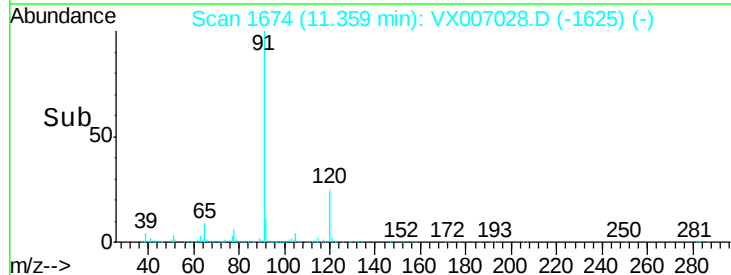
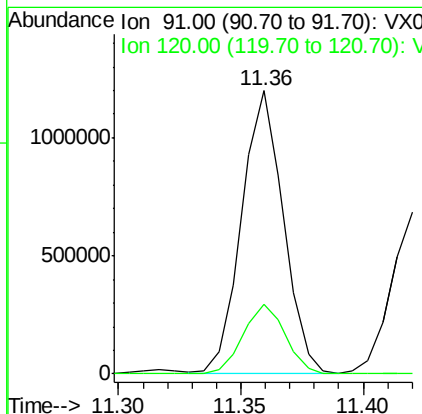
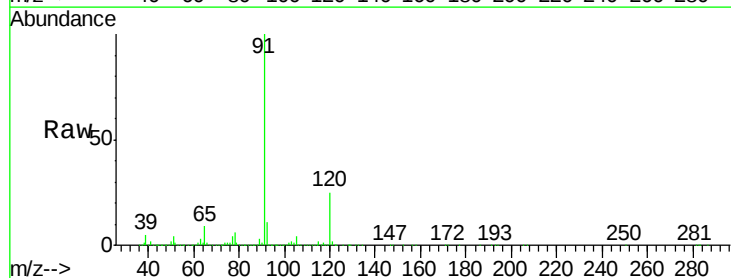
RT: 11.36 min Scan# 1674

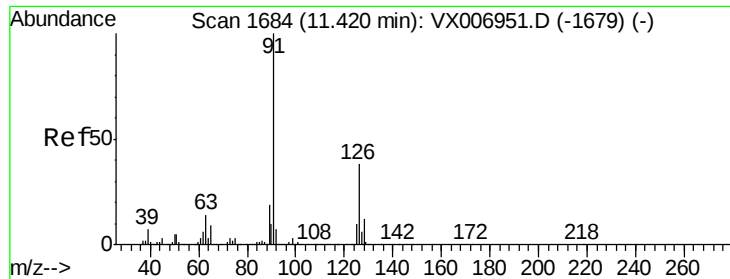
Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.7	38.0





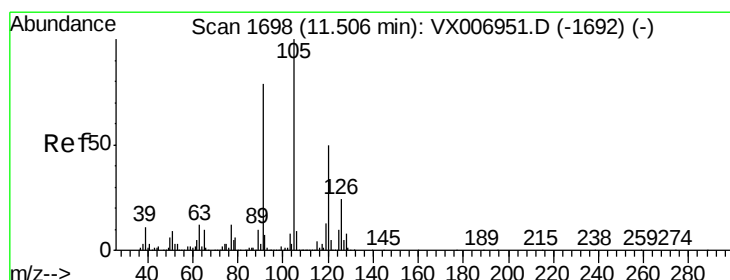
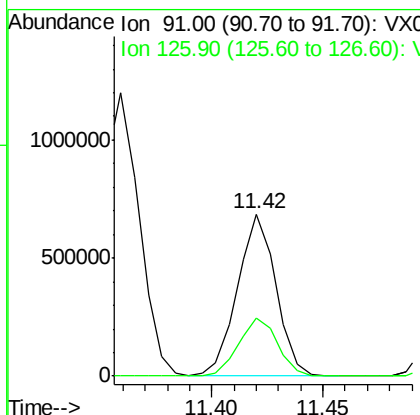
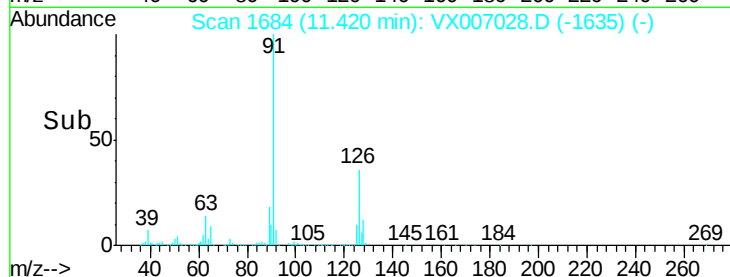
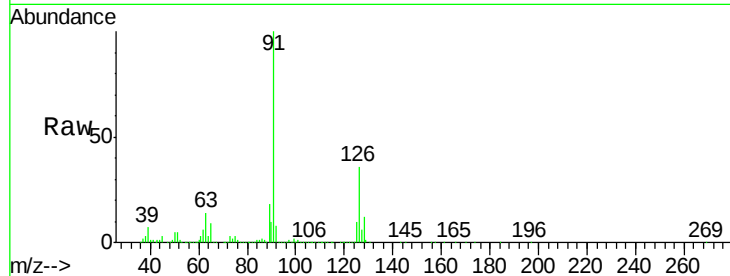
#79
 2-Chlorotoluene
 Concen: 49.148 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 823433
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.6 56.0

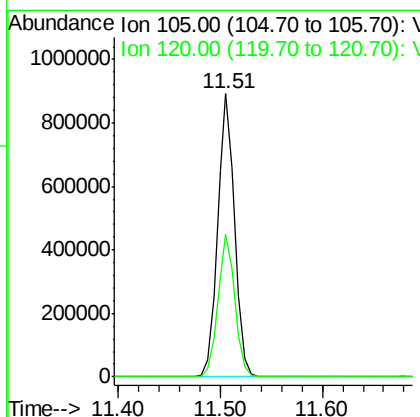
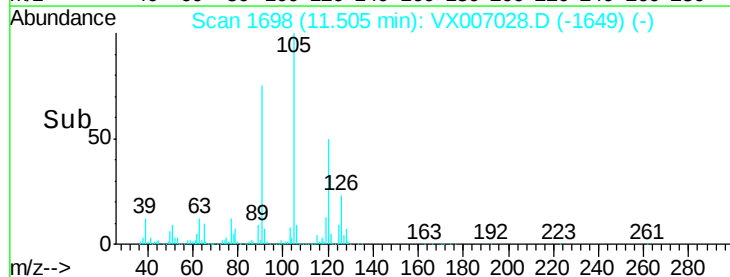
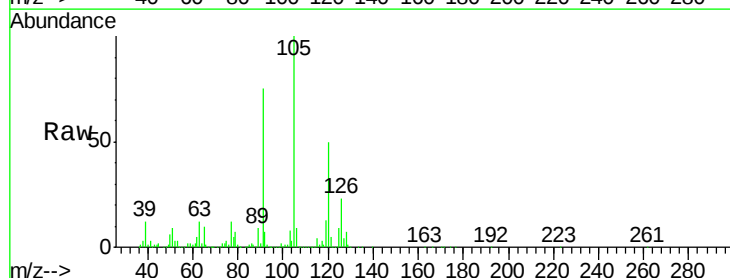
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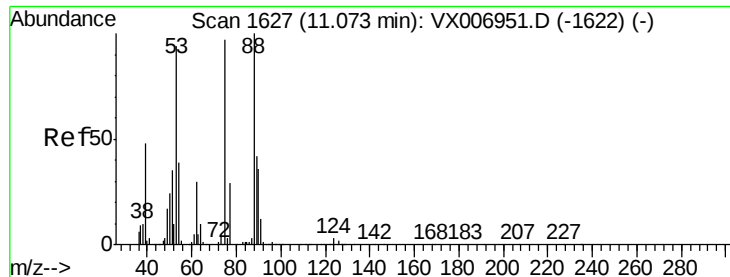
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.992 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Tgt Ion: 105 Resp: 1037879
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 43.377 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 103418

Ion Ratio Lower Upper

75 100

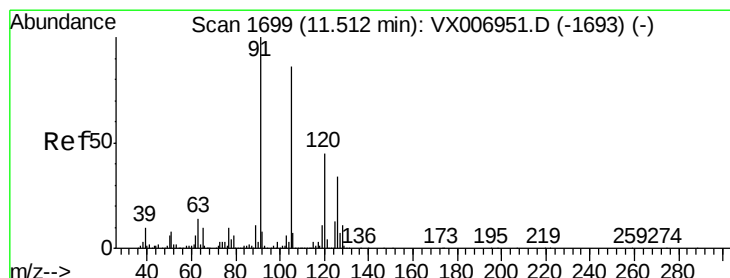
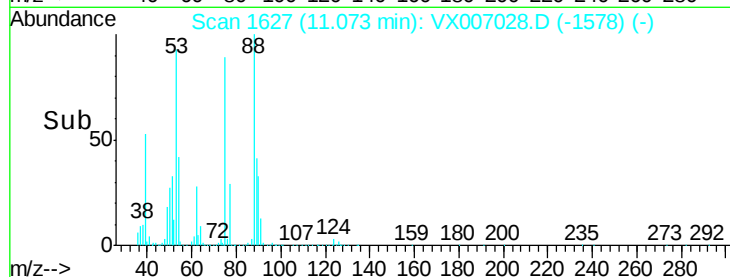
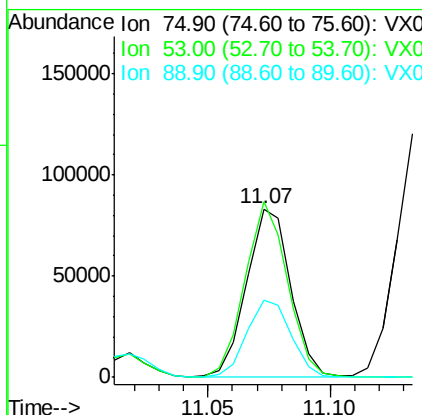
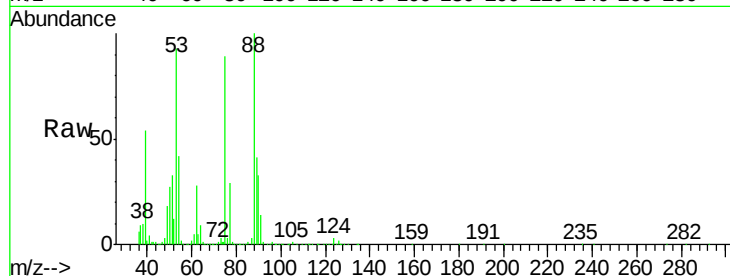
53 100.6 79.7 119.5

89 46.6 38.0 57.0

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#82

4-Chlorotoluene

Concen: 49.063 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007028.D

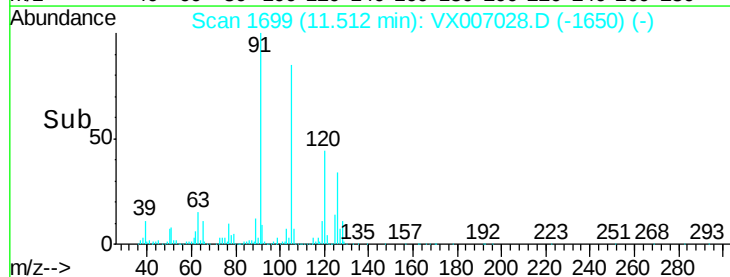
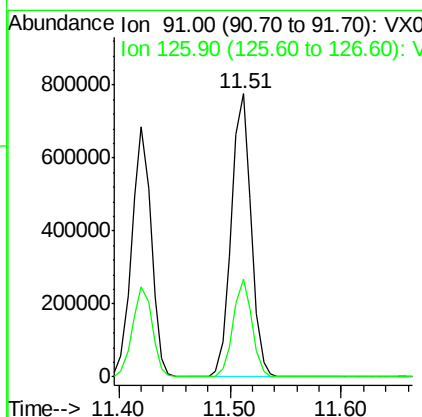
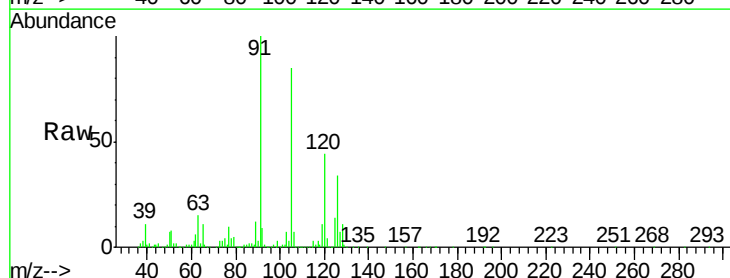
Acq: 11 Jan 2019 21:42

Tgt Ion: 91 Resp: 951760

Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.9





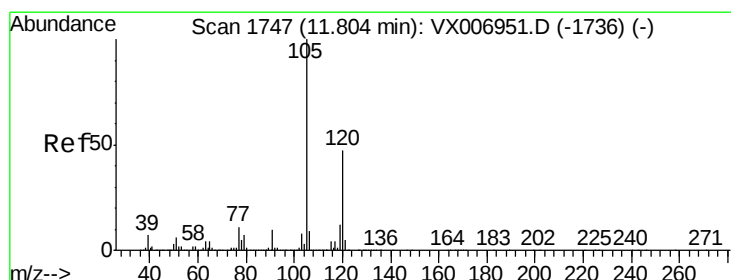
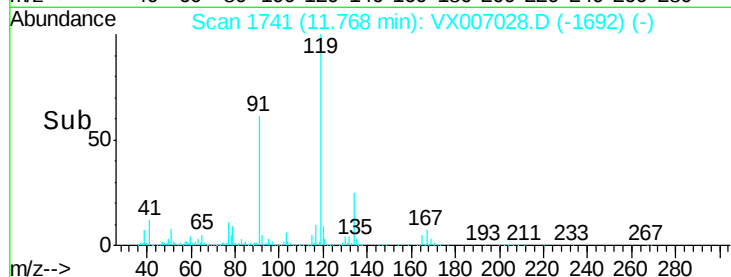
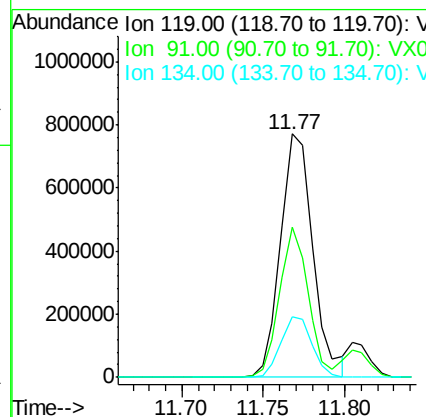
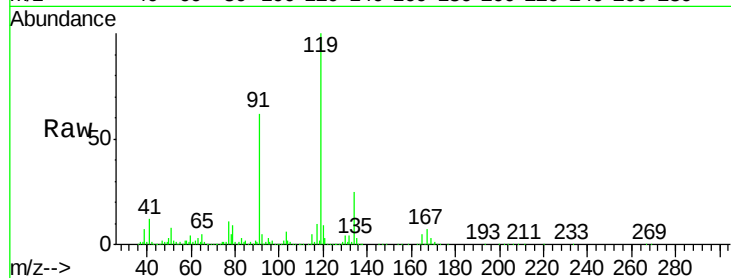
#83
tert-Butylbenzene
Concen: 50.044 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1057759
Ion Ratio Lower Upper
119 100
91 54.6 27.7 83.1
134 23.8 11.9 35.5

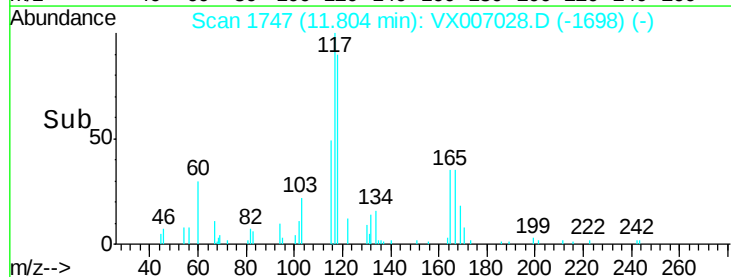
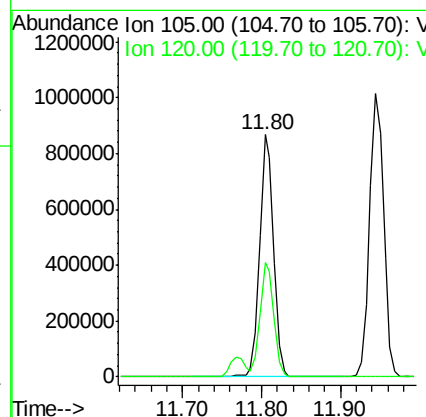
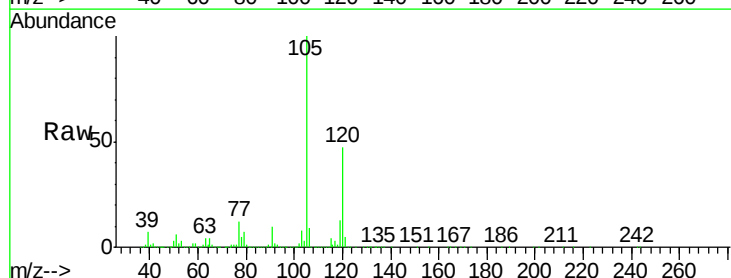
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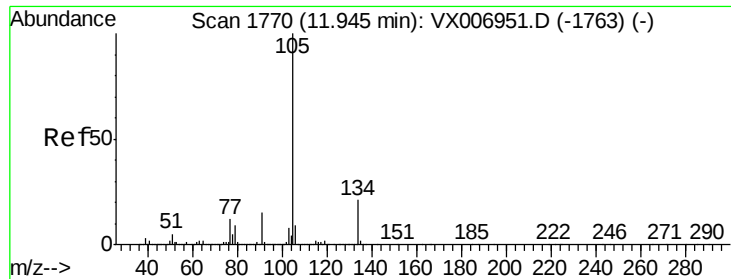
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#84
1,2,4-Trimethylbenzene
Concen: 50.012 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion:105 Resp: 1065420
Ion Ratio Lower Upper
105 100
120 46.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 50.023 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1262728

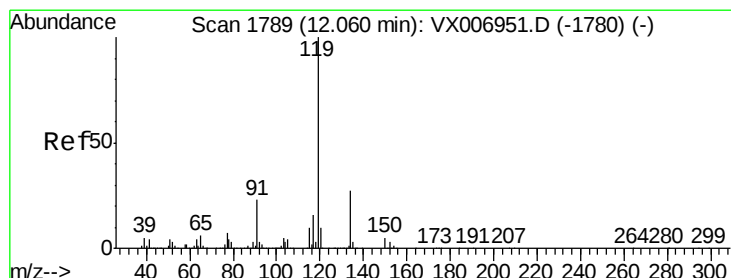
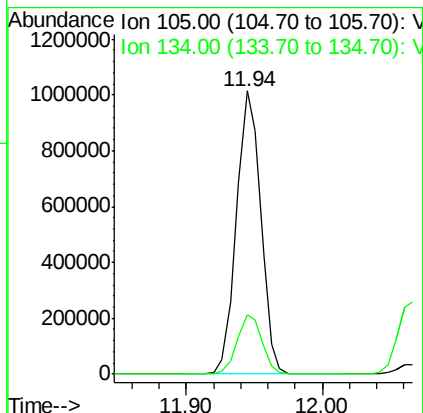
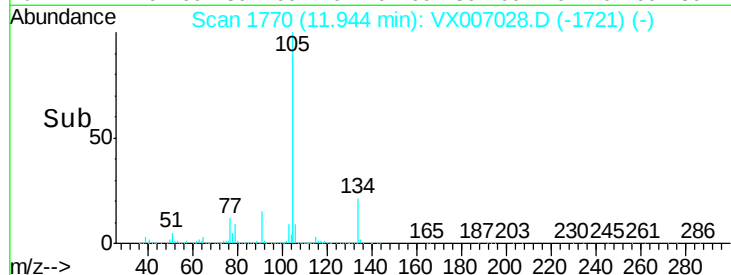
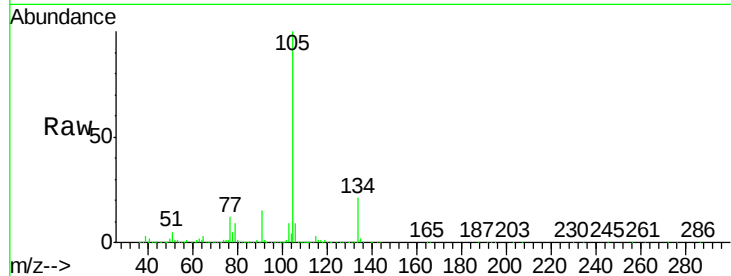
Ion Ratio Lower Upper

105 100

134 21.2 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 50.165 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

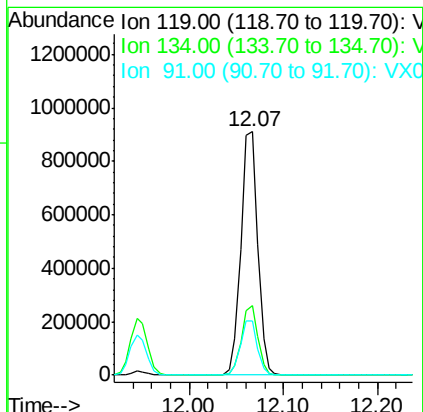
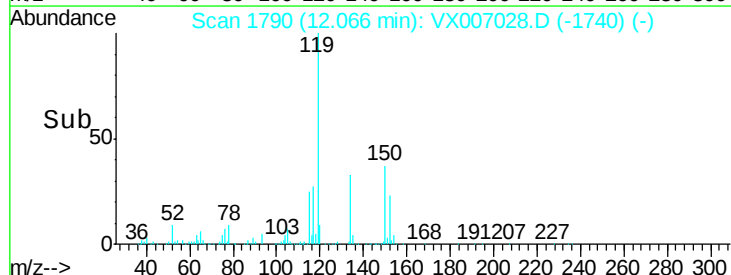
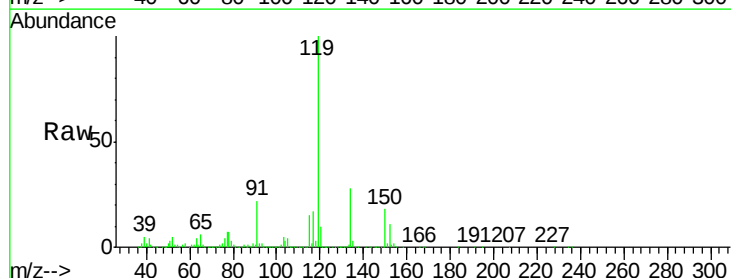
Tgt Ion:119 Resp: 1132684

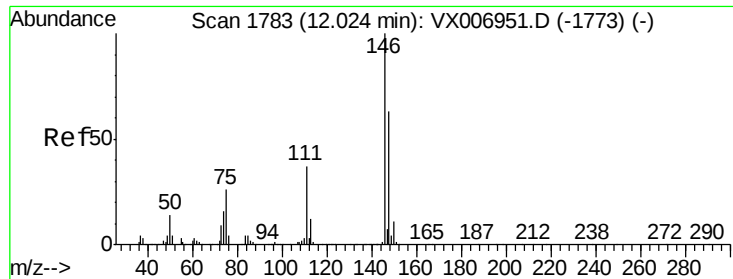
Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

91 22.4 11.3 33.9





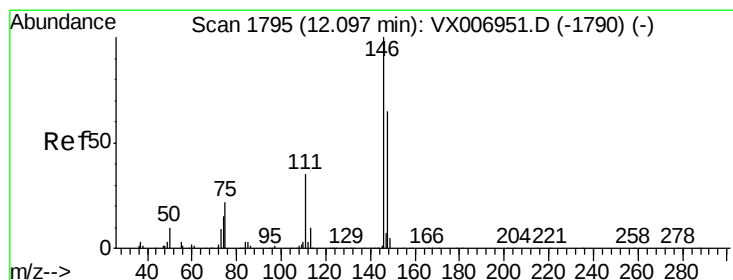
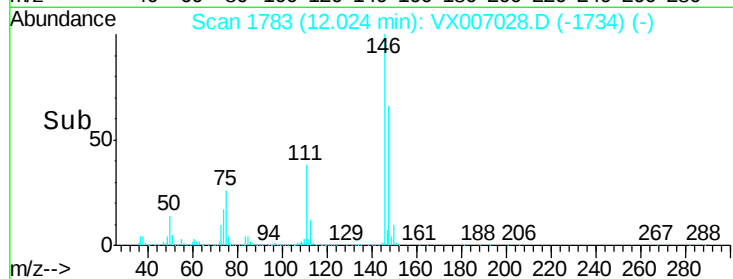
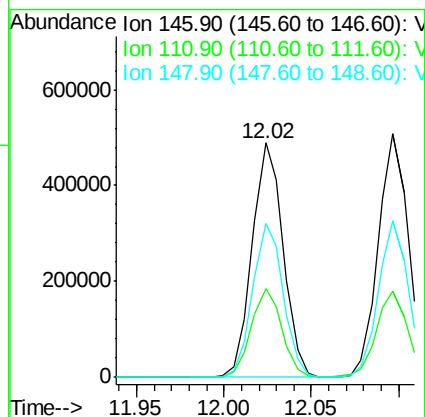
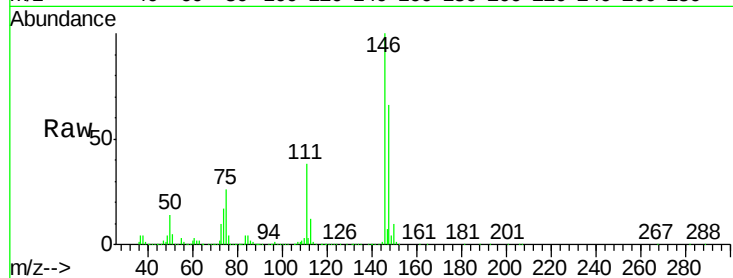
#87
 1,3-Dichlorobenzene
 Concen: 47.636 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	64.9	31.8	95.3

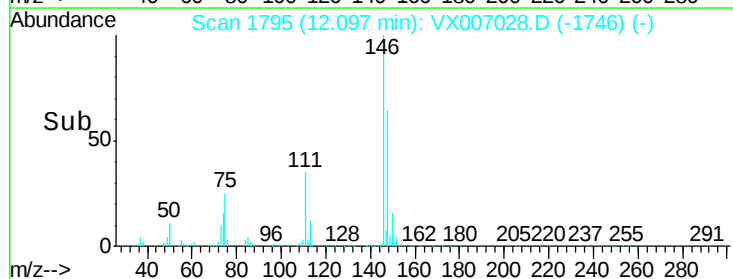
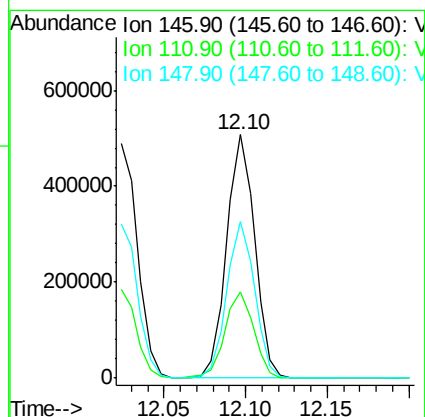
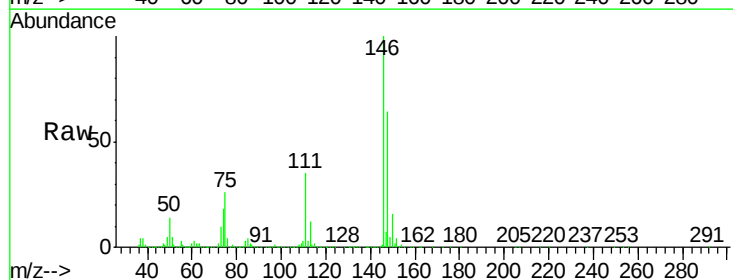
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#88
 1,4-Dichlorobenzene
 Concen: 50.839 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007028.D
 Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	63.9	31.9	95.9





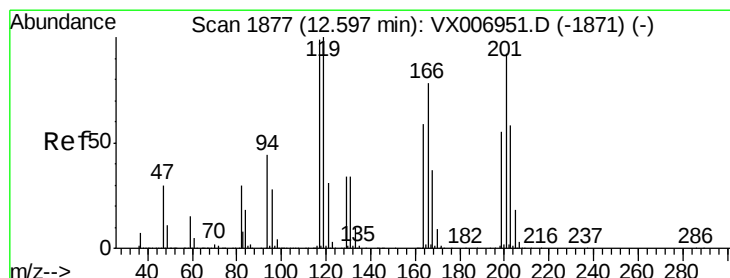
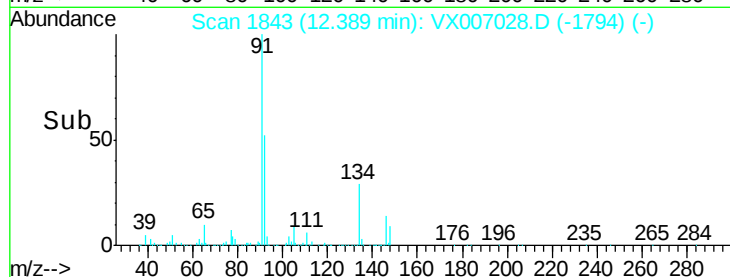
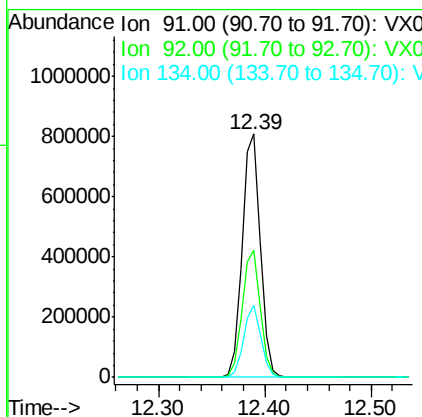
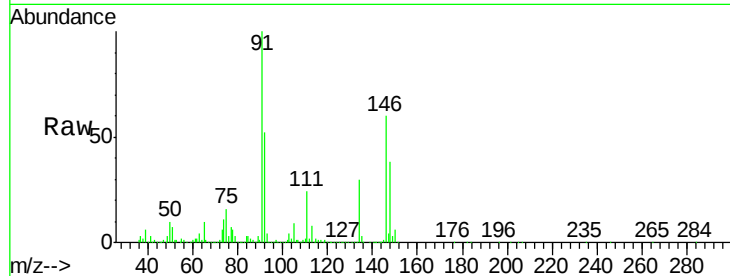
#89
n-Butylbenzene
Concen: 50.177 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.8	80.4
134	28.2	14.4	43.2

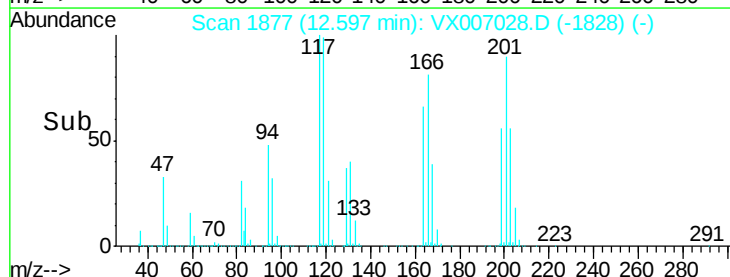
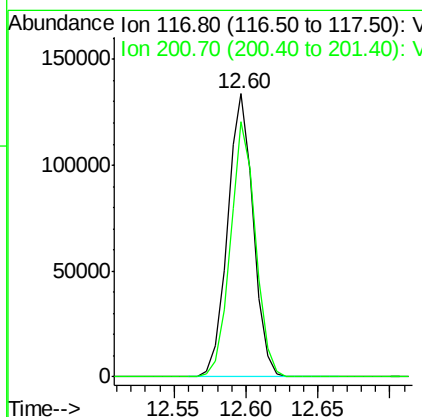
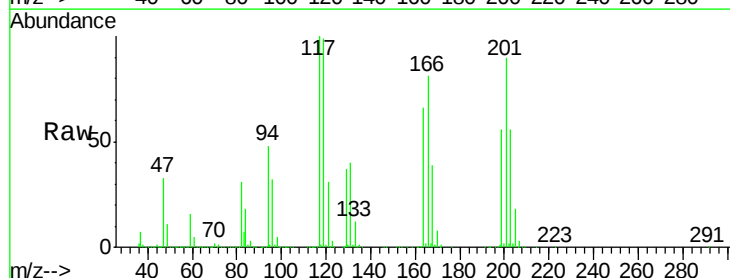
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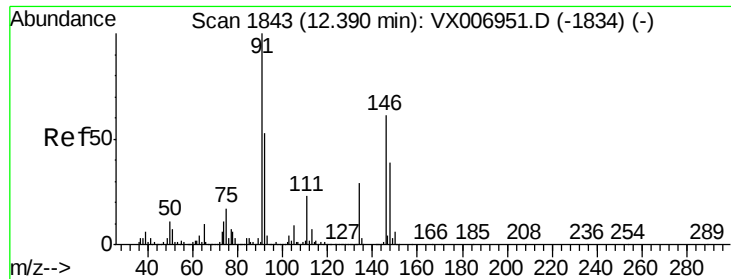
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#90
Hexachloroethane
Concen: 46.786 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 48.107 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

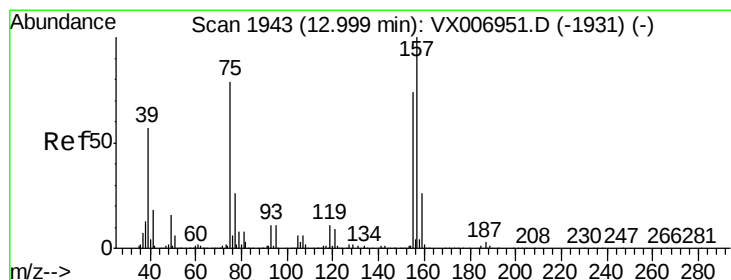
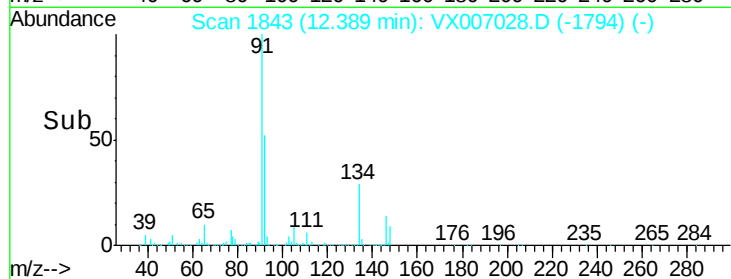
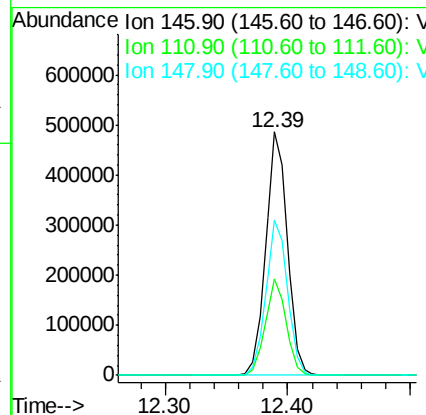
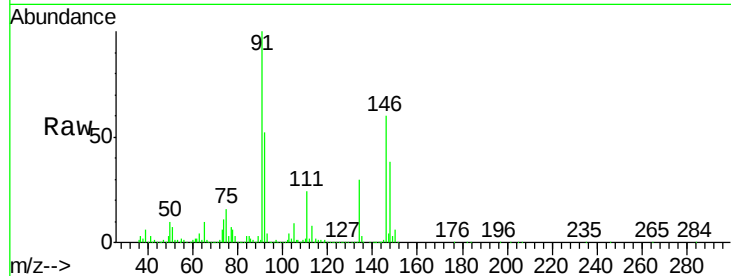
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	599446
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.2
148	64.3	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.940 ug/l

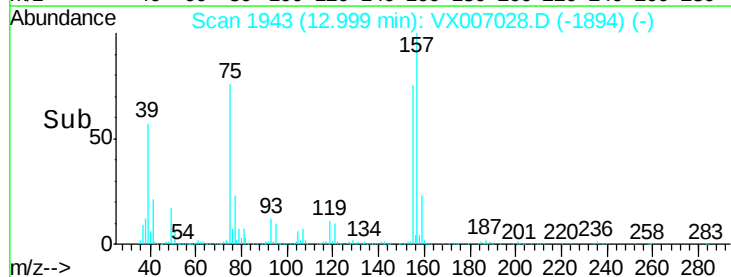
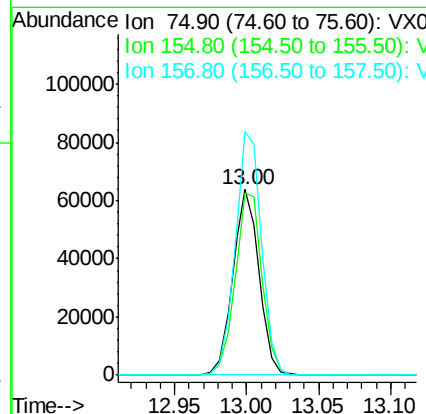
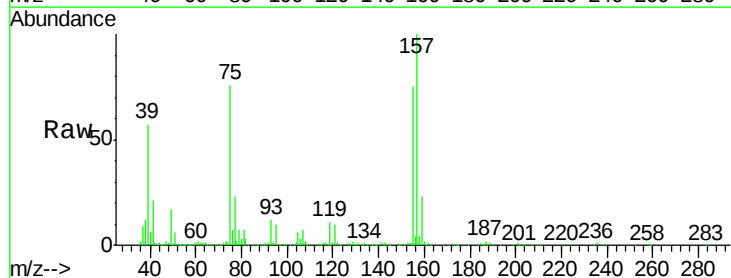
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	75	Resp:	81090
Ion Ratio	Lower	Upper	
75	100		
155	101.4	50.6	151.8
157	131.9	64.6	193.8





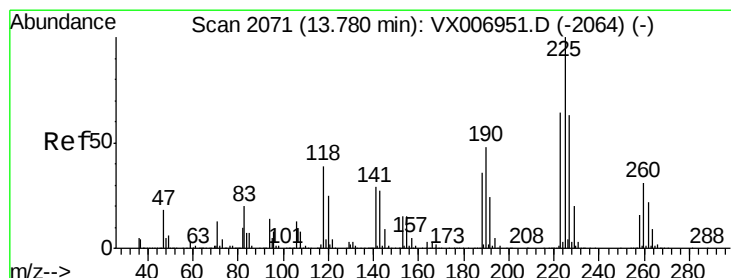
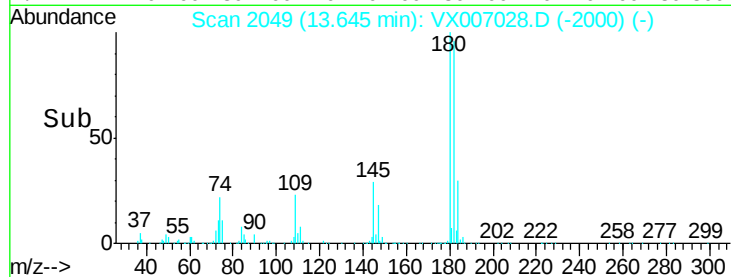
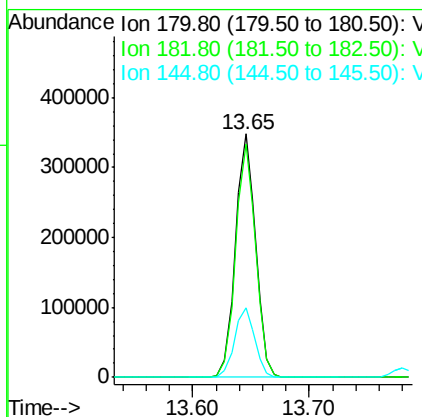
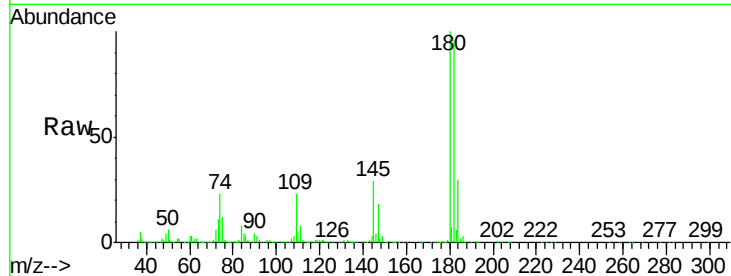
#93
1,2,4-Trichlorobenzene
Concen: 49.051 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	419340		
182	95.2	47.3	142.0	
145	28.8	14.8	44.3	

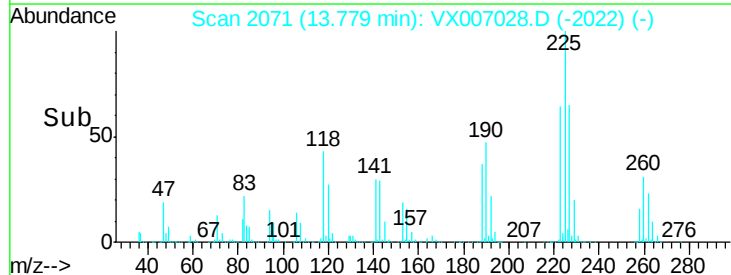
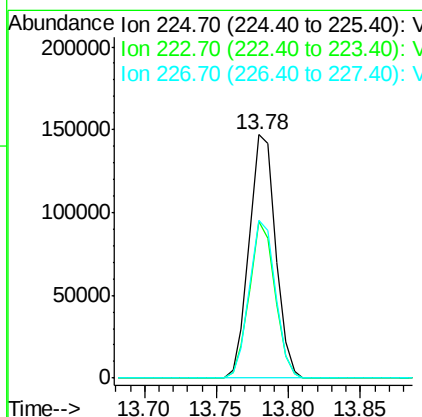
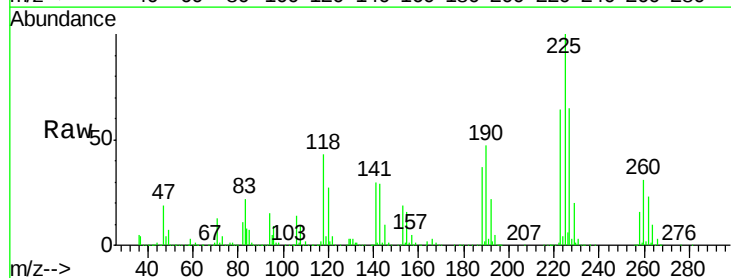
Manual Integrations
APPROVED

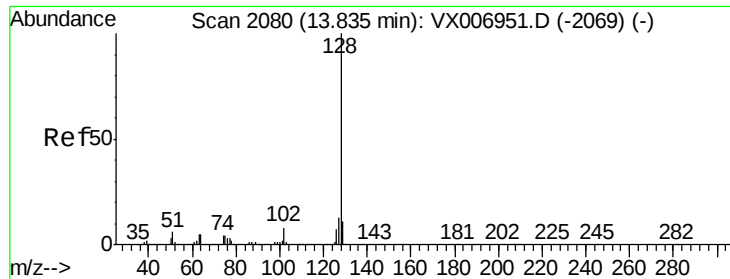
MMDadoda
1/14/2019 10:40:37 AM



#94
Hexachlorobutadiene
Concen: 48.929 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX007028.D
Acq: 11 Jan 2019 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185623		
223	62.4	32.1	96.3	
227	64.4	32.3	96.8	





#95

Naphthalene

Concen: 49.645 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Instrument :

MSVOA_X

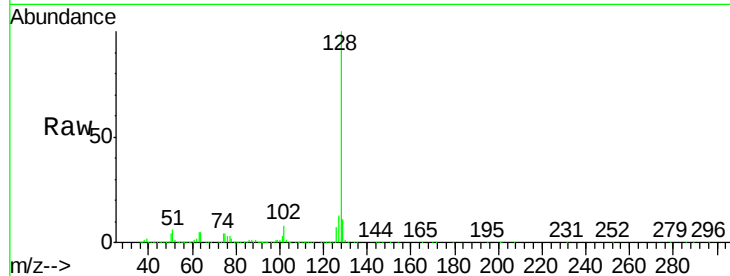
ClientSampleId :

VSTDCCC050EC

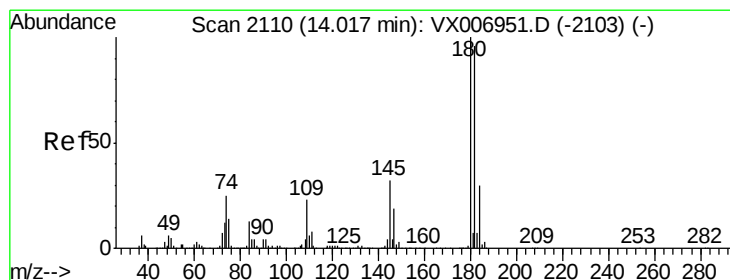
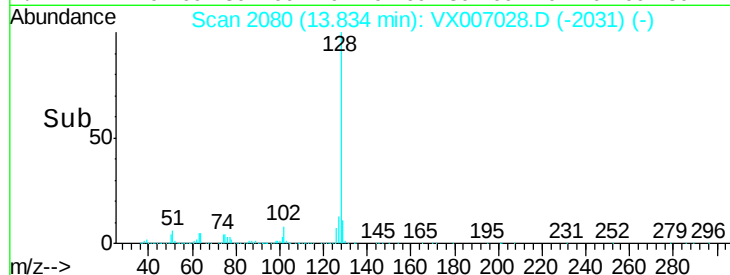
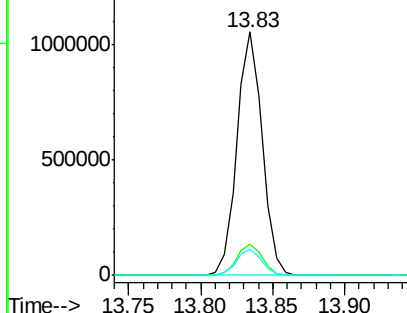
Tot Ion:	128	Resp:	1286067
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/14/2019 10:40:37 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.852 ug/l

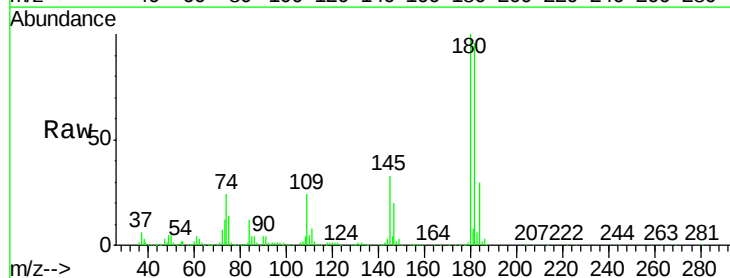
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007028.D

Acq: 11 Jan 2019 21:42

Tgt Ion:	180	Resp:	414872
Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.5	145.5
145	31.1	16.0	47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

