

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032519\
 Data File : VD061299.D
 Acq On : 25 Mar 2019 12:42
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Mar 26 02:05:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	733380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1280641	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	989397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	455865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	455231	71.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.84%	
35) Dibromofluoromethane	6.93	113	711964	72.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.30%	
50) Toluene-d8	10.41	98	1763491	74.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.44%	
62) 4-Bromofluorobenzene	13.55	95	608431	65.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	471391	62.830	ug/l	98
3) Chloromethane	1.77	50	371969	63.565	ug/l	96
4) Vinyl Chloride	1.86	62	333848	61.025	ug/l	97
5) Bromomethane	2.16	94	66744	58.927	ug/l	98
6) Chloroethane	2.28	64	112858	65.548	ug/l	99
7) Trichlorofluoromethane	2.54	101	486660	60.085	ug/l	98
8) Diethyl Ether	2.88	74	170586	70.919	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	520925	63.268	ug/l	98
10) Methyl Iodide	3.32	142	856509	74.465	ug/l	99
11) Tert butyl alcohol	4.07	59	117795	349.638	ug/l	96
12) 1,1-Dichloroethene	3.14	96	444538	62.753	ug/l	99
13) Acrolein	3.05	56	121828	329.912	ug/l	95
14) Allyl chloride	3.64	41	661947	65.980	ug/l	99
15) Acrylonitrile	4.21	53	387081	326.687	ug/l	100
16) Acetone	3.23	43	545159	359.769	ug/l	97
17) Carbon Disulfide	3.39	76	1480115	62.858	ug/l	100
18) Methyl Acetate	3.65	43	188519	65.879	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	793385	63.557	ug/l	99
20) Methylene Chloride	3.82	84	513122	59.716	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	499880	63.044	ug/l	96
22) Diisopropyl ether	5.13	45	1343653	63.582	ug/l	99
23) Vinyl Acetate	5.07	43	3603336	319.404	ug/l	99
24) 1,1-Dichloroethane	5.00	63	814730	66.061	ug/l	99
25) 2-Butanone	6.08	43	618533	353.251	ug/l	99
26) 2,2-Dichloropropane	6.04	77	664302	63.509	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	567434	66.550	ug/l	97
28) Bromochloromethane	6.44	49	390129	75.568	ug/l	100
29) Tetrahydrofuran	6.46	42	278822	319.916	ug/l	97
30) Chloroform	6.67	83	864815	65.768	ug/l	99
31) Cyclohexane	6.96	56	697880	69.716	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	763622	65.583	ug/l	99
36) 1,1-Dichloropropene	7.15	75	655457	62.580	ug/l	99
37) Ethyl Acetate	6.19	43	277806	63.686	ug/l	97
38) Carbon Tetrachloride	7.12	117	799072	64.547	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	686835	63.263	ug/l	98
40) Benzene	7.47	78	1623346	62.344	ug/l	99
41) Methacrylonitrile	6.45	41	317302	62.379	ug/l	97
42) 1,2-Dichloroethane	7.58	62	499985	61.621	ug/l	99
43) Isopropyl Acetate	9.24	43	417647	66.186	ug/l #	97
44) Trichloroethene	8.54	130	583822	62.036	ug/l	97
45) 1,2-Dichloropropane	8.94	63	420507	65.474	ug/l	97
46) Dibromomethane	9.06	93	281223	63.864	ug/l	96
47) Bromodichloromethane	9.38	83	633960	61.434	ug/l	99
48) Methyl methacrylate	9.12	41	223551	66.376	ug/l	97
49) 1,4-Dioxane	9.09	88	52610	1423.688	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	1141638	303.918	ug/l	99
52) Toluene	10.51	92	1012331	63.580	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	600010	66.910	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	699047	63.840	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	337453	63.837	ug/l	98
56) Ethyl methacrylate	11.05	69	359069	63.656	ug/l	95
57) 1,3-Dichloropropane	11.41	76	519611	65.086	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1029771	350.914	ug/l	100
59) 2-Hexanone	11.53	43	858170	314.550	ug/l	100
60) Dibromochloromethane	11.69	129	532605	64.327	ug/l	98
61) 1,2-Dibromoethane	11.81	107	403426	65.318	ug/l	99
64) Tetrachloroethene	11.26	164	443899	65.129	ug/l	99
65) Chlorobenzene	12.40	112	1179474	64.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	454225	64.288	ug/l	97
67) Ethyl Benzene	12.53	91	1609928	57.725	ug/l	99
68) m/p-Xylenes	12.67	106	1404529	129.012	ug/l	97
69) o-Xylene	13.05	106	661061	65.471	ug/l	97
70) Styrene	13.08	104	1119655	65.337	ug/l	97
71) Bromoform	13.24	173	289047	66.853	ug/l	99
73) Isopropylbenzene	13.40	105	1720061	58.011	ug/l	98
74) N-amyl acetate	13.26	43	460661	59.384	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	346847	60.322	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	364278	64.255	ug/l	98
77) Bromobenzene	13.67	156	520099	62.797	ug/l	94
78) n-propylbenzene	13.78	91	1948396	58.245	ug/l	96
79) 2-Chlorotoluene	13.85	91	1059841	54.525	ug/l	94
80) 1,3,5-Trimethylbenzene	14.24	105	1511060	64.601	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	118663	66.324	ug/l	99
82) 4-Chlorotoluene	13.94	91	1236147	58.055	ug/l	96
83) tert-Butylbenzene	14.19	119	1728389	64.717	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1511060	64.601	ug/l	99
85) sec-Butylbenzene	14.37	105	1690270	56.830	ug/l	98
86) p-Isopropyltoluene	14.50	119	1646355	62.044	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	937572	63.865	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	888297	62.465	ug/l	98
89) n-Butylbenzene	14.80	91	1288423	54.690	ug/l	96
90) Hexachloroethane	15.01	117	461595	64.881	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	658205	56.189	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	51620	71.845	ug/l	80

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QLast Update : Tue Mar 26 01:57:31 2019
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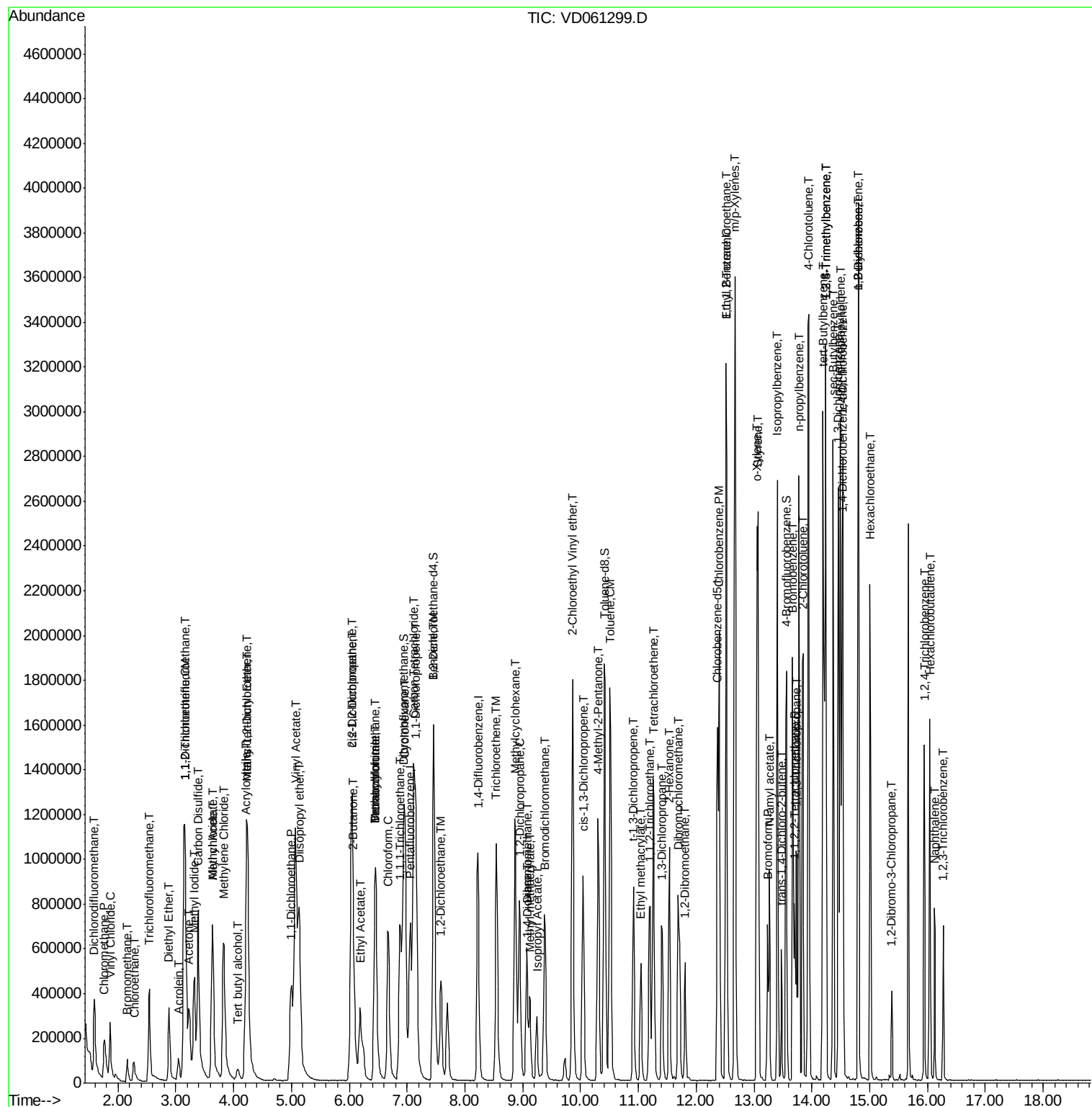
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	373439	69.028	ug/l	97
94) Hexachlorobutadiene	16.04	225	290975	66.745	ug/l	99
95) Naphthalene	16.12	128	540315	68.459	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	188904	74.760	ug/l	97

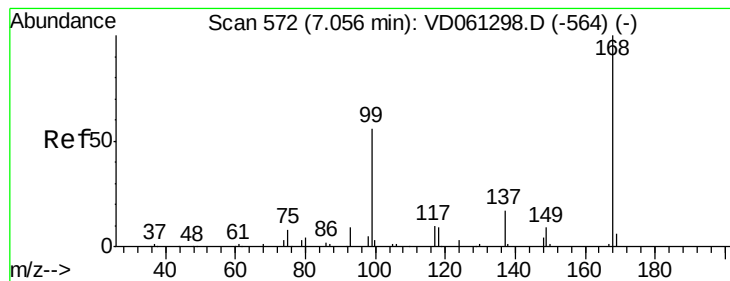
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD032519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

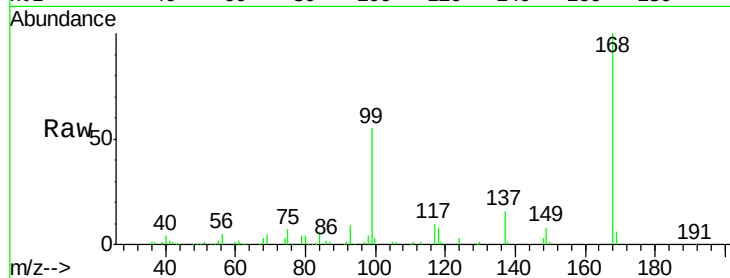
VSTDIC075

Tgt Ion:168 Resp: 733380

Ion Ratio Lower Upper

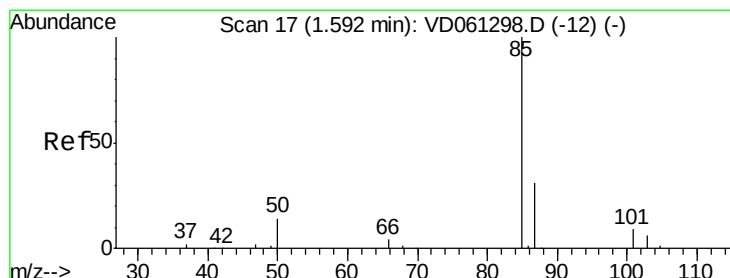
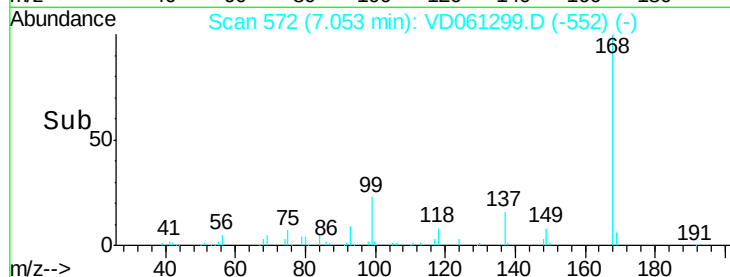
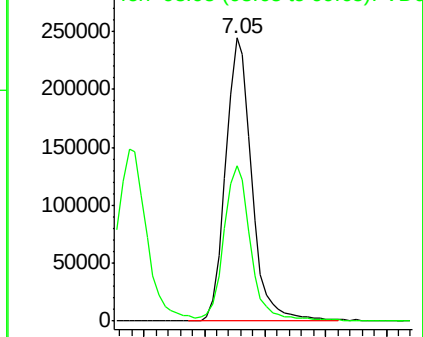
168 100

99 54.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 62.830 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061299.D

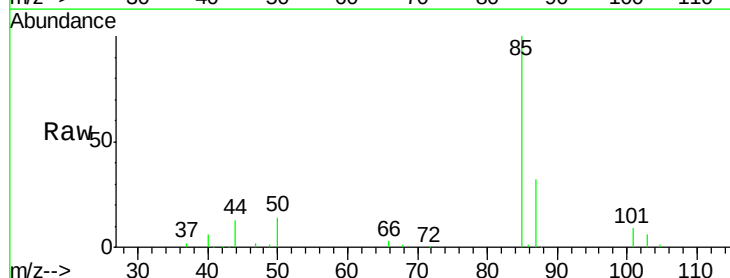
Acq: 25 Mar 2019 12:42

Tgt Ion: 85 Resp: 471391

Ion Ratio Lower Upper

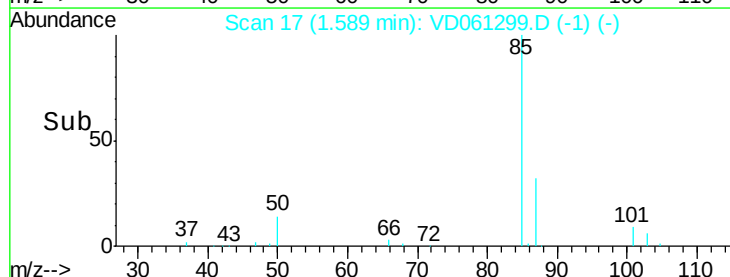
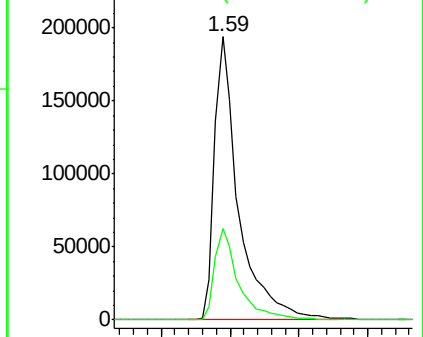
85 100

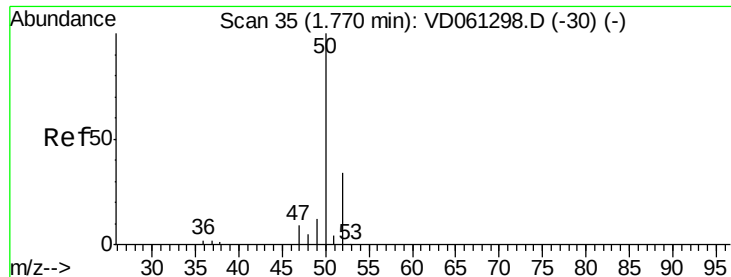
87 32.1 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 63.565 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

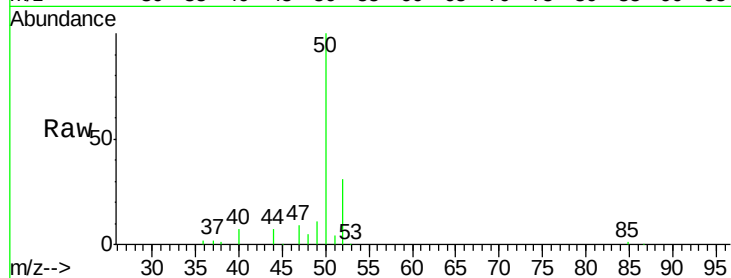
VSTDIC075

Tgt Ion: 50 Resp: 371969

Ion Ratio Lower Upper

50 100

52 31.5 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

120000

100000

80000

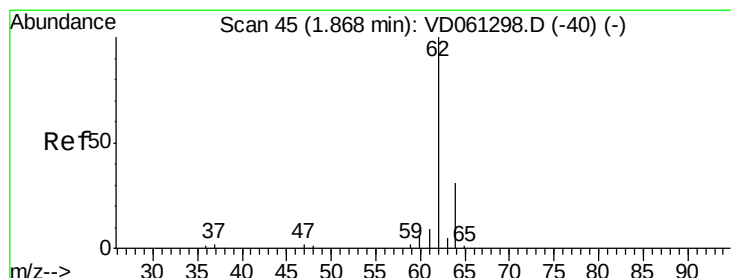
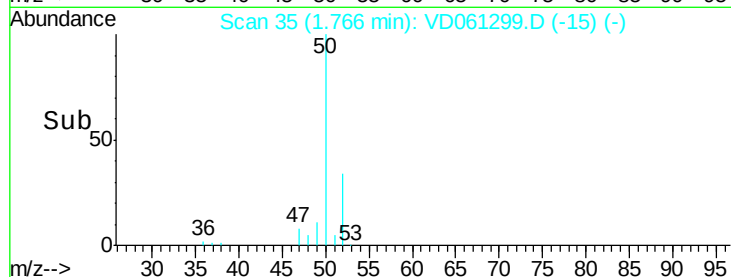
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 61.025 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061299.D

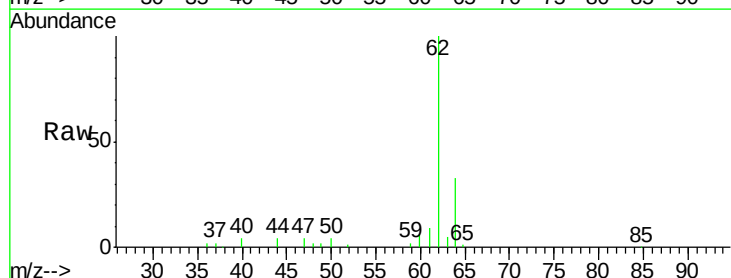
Acq: 25 Mar 2019 12:42

Tgt Ion: 62 Resp: 333848

Ion Ratio Lower Upper

62 100

64 33.0 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

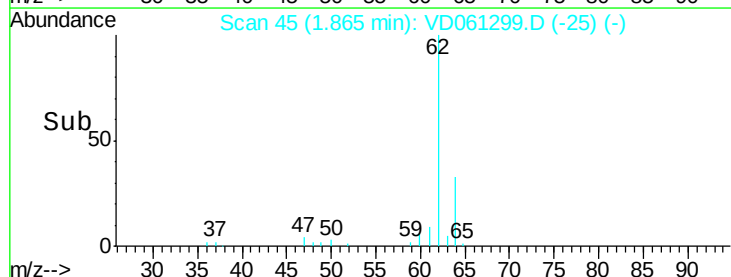
150000

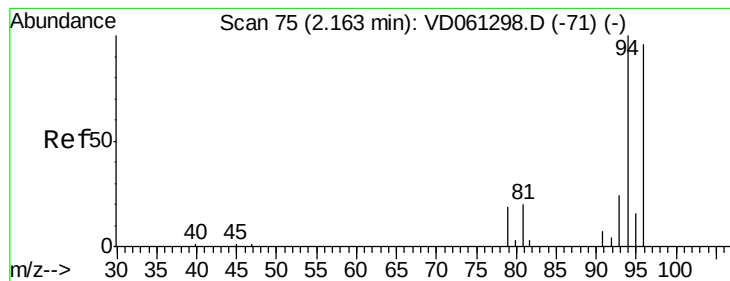
100000

50000

0

Time-->





#5

Bromomethane

Concen: 58.927 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

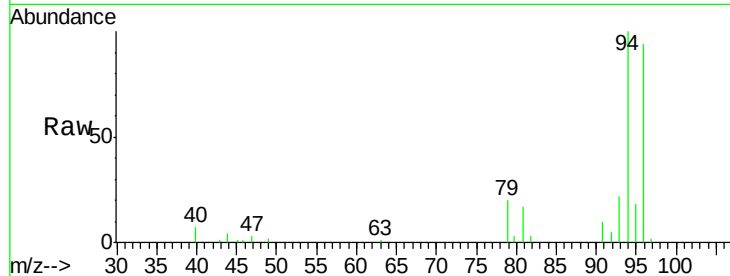
Tgt Ion: 94 Resp: 66744

Ion Ratio Lower Upper

94 100

96 94.4 76.9 115.3

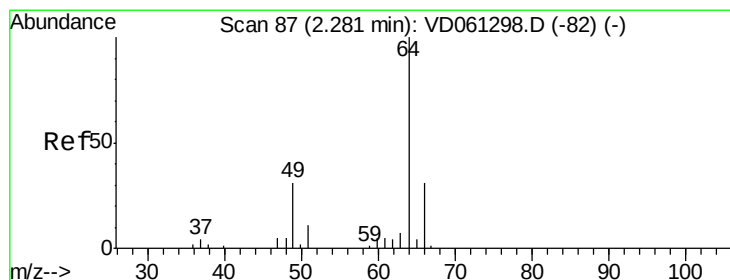
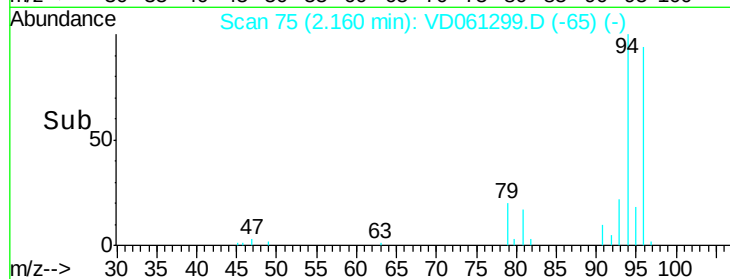
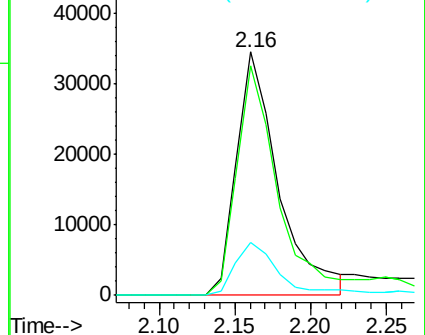
93 21.8 18.8 28.2



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 65.548 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061299.D

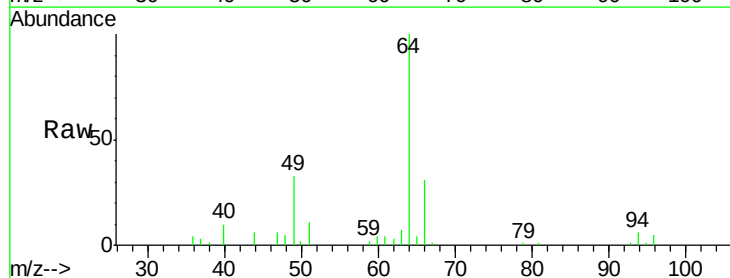
Acq: 25 Mar 2019 12:42

Tgt Ion: 64 Resp: 112858

Ion Ratio Lower Upper

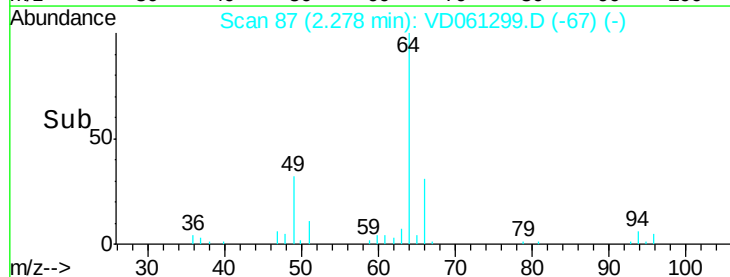
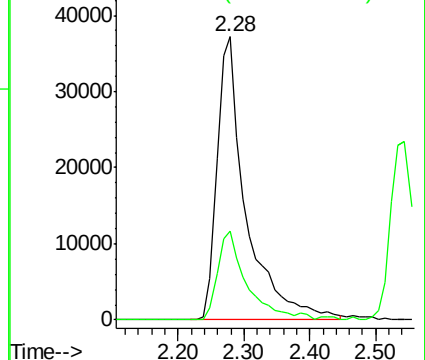
64 100

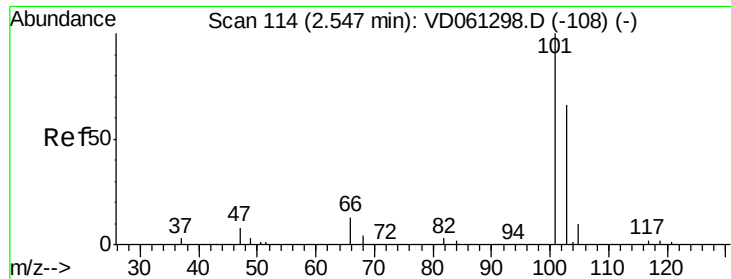
66 31.2 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



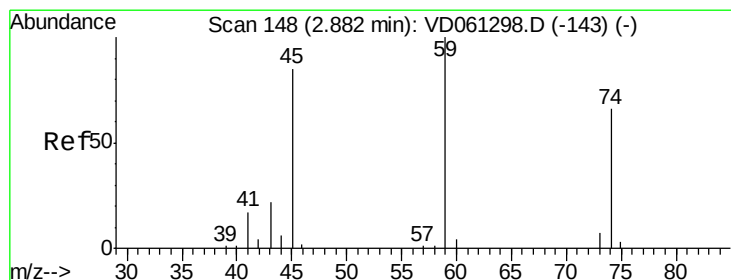
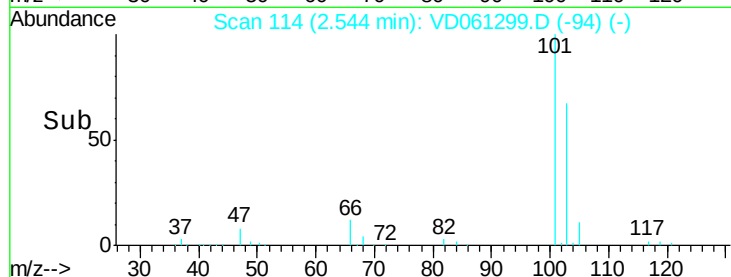
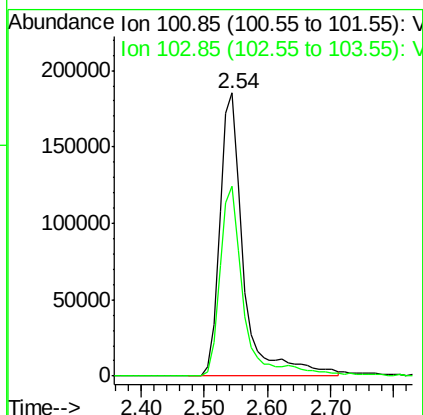
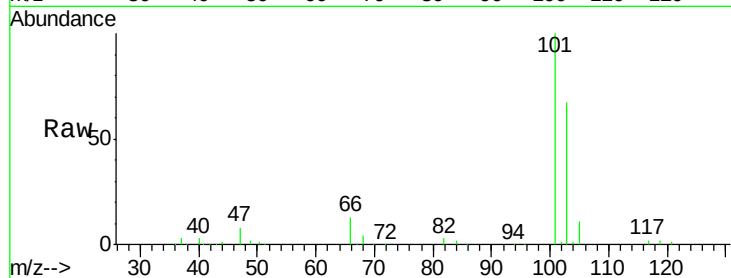


#7

Trichlorofluoromethane
Concen: 60.085 ug/l
RT: 2.54 min Scan# 114
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

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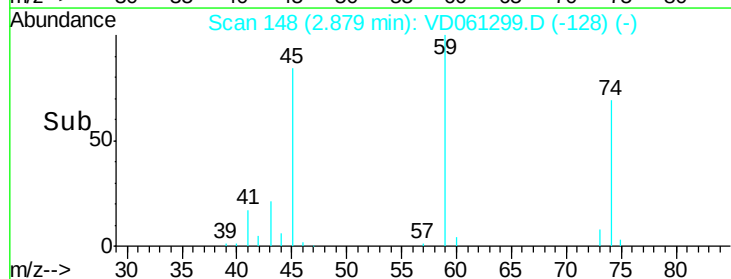
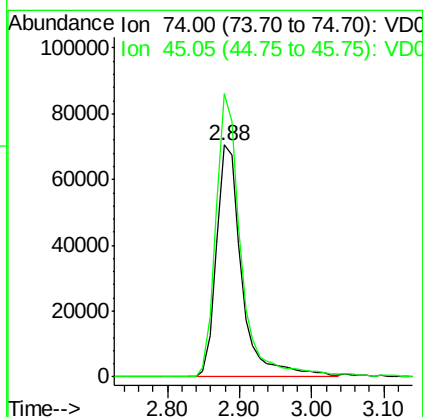
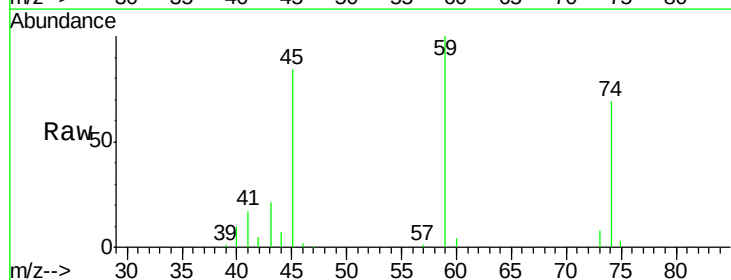
Tgt Ion: 101 Resp: 486660
Ion Ratio Lower Upper
101 100
103 67.1 52.6 79.0

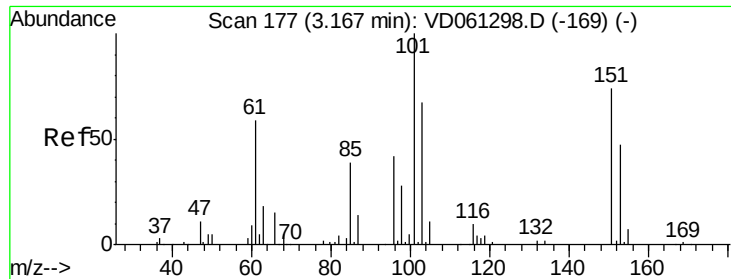


#8

Diethyl Ether
Concen: 70.919 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 74 Resp: 170586
Ion Ratio Lower Upper
74 100
45 121.9 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.268 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

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VSTDIC075

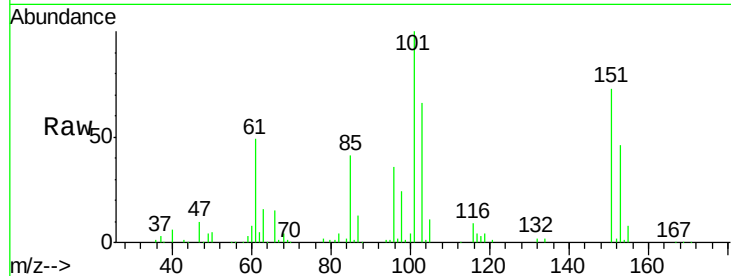
Tgt Ion:101 Resp: 520925

Ion Ratio Lower Upper

101 100

85 41.2 31.6 47.4

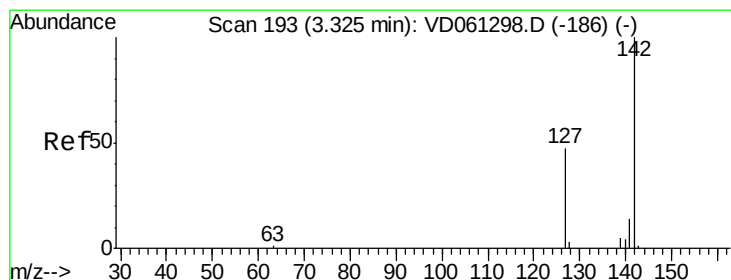
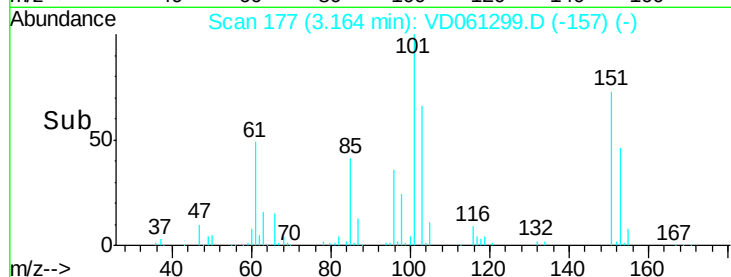
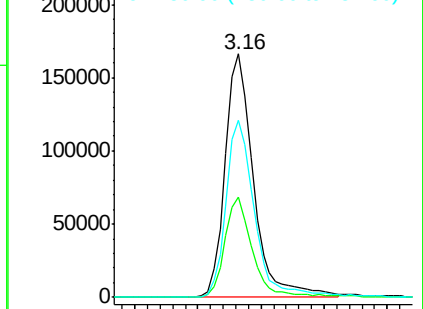
151 72.7 59.3 88.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 74.465 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

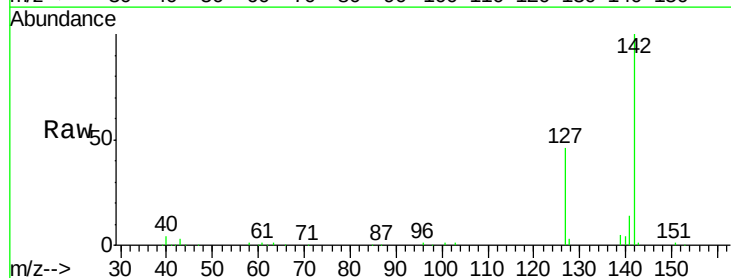
Tgt Ion:142 Resp: 856509

Ion Ratio Lower Upper

142 100

127 46.5 37.8 56.6

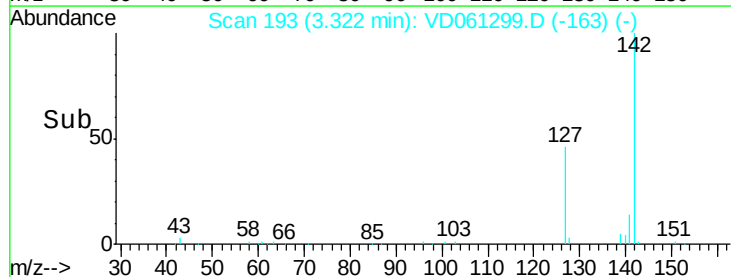
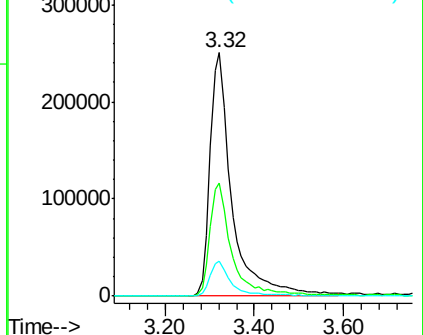
141 14.4 11.6 17.4

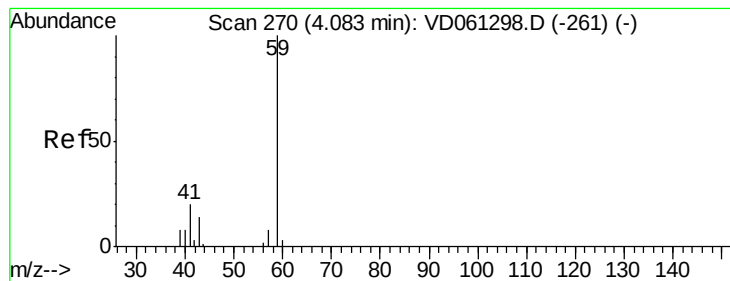


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 349.638 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

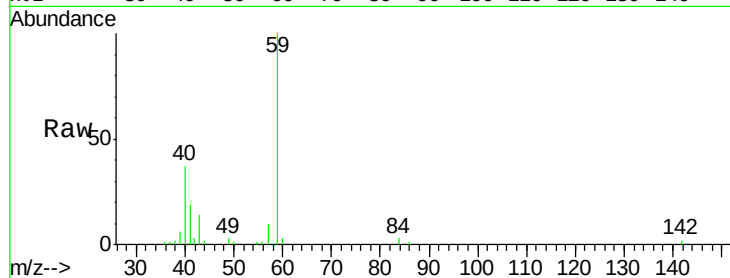
VSTDIC075

Tgt Ion: 59 Resp: 117795

Ion Ratio Lower Upper

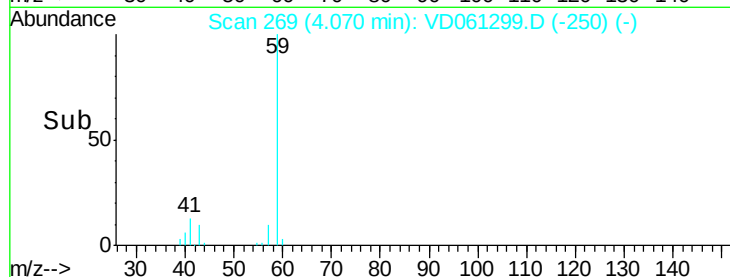
59 100

57 9.5 6.6 9.8

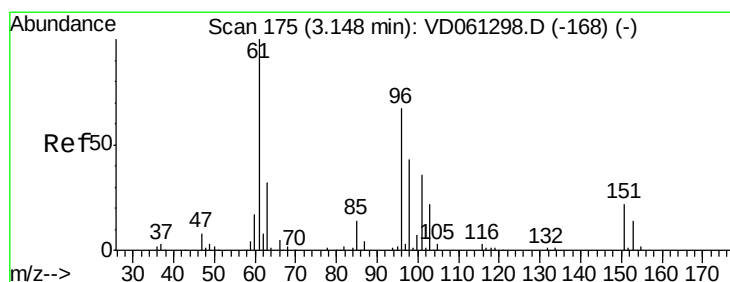


Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



Time--> 3.90 4.00 4.10 4.20



#12

1,1-Dichloroethene

Concen: 62.753 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

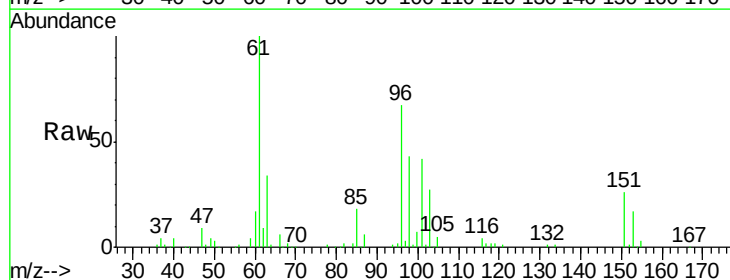
Tgt Ion: 96 Resp: 444538

Ion Ratio Lower Upper

96 100

61 148.8 120.2 180.2

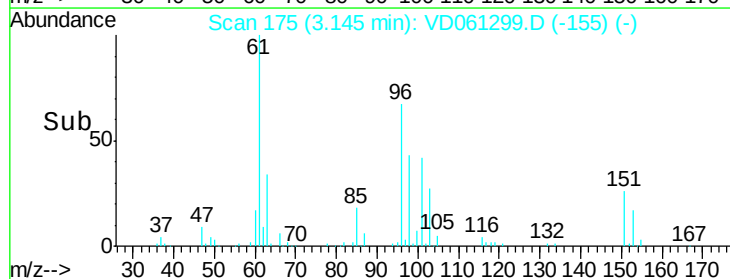
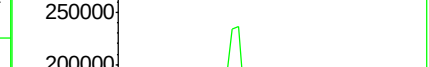
98 64.6 52.2 78.4



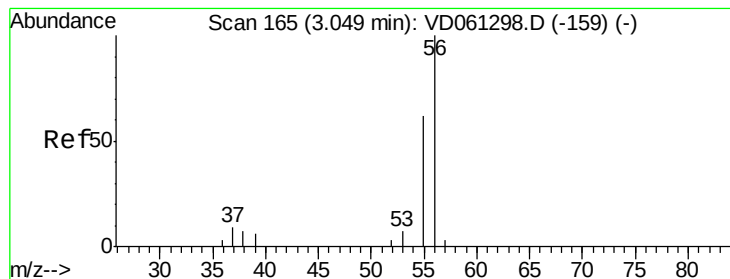
Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



Time--> 3.00 3.10 3.20 3.30



#13

Acrolein

Concen: 329.912 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

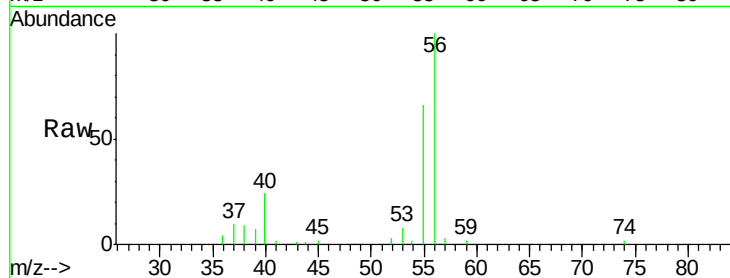
VSTDIC075

Tgt Ion: 56 Resp: 121828

Ion Ratio Lower Upper

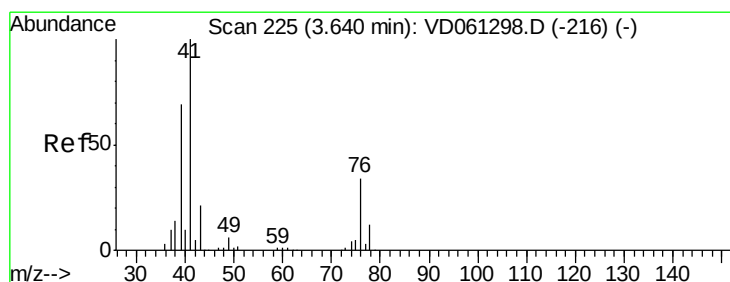
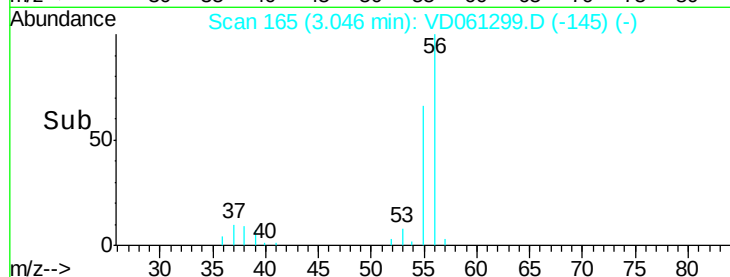
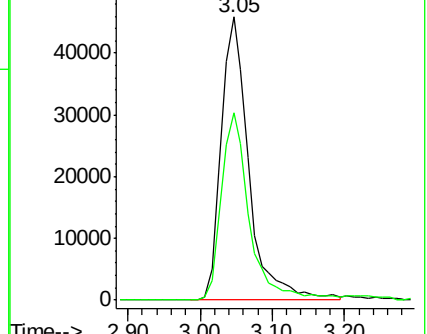
56 100

55 66.4 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 65.980 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

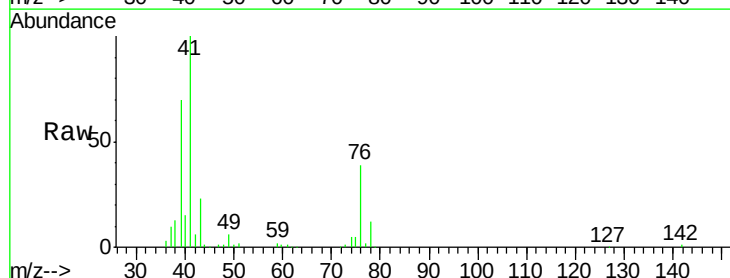
Tgt Ion: 41 Resp: 661947

Ion Ratio Lower Upper

41 100

39 69.8 55.1 82.7

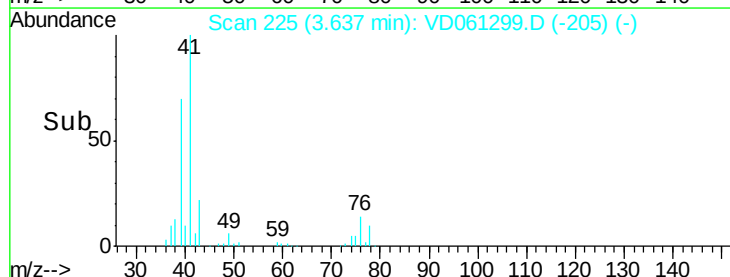
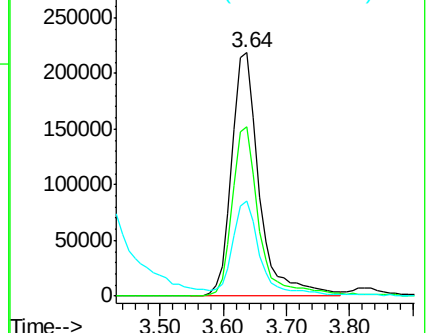
76 39.0 30.2 45.2

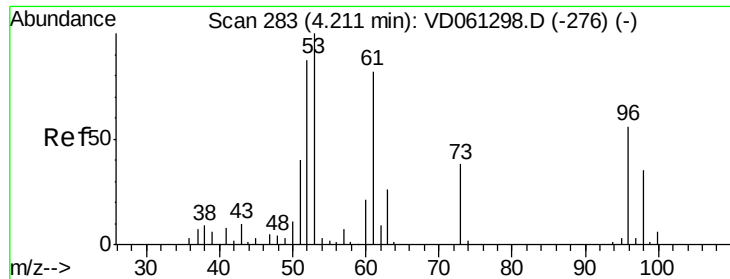


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 326.687 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

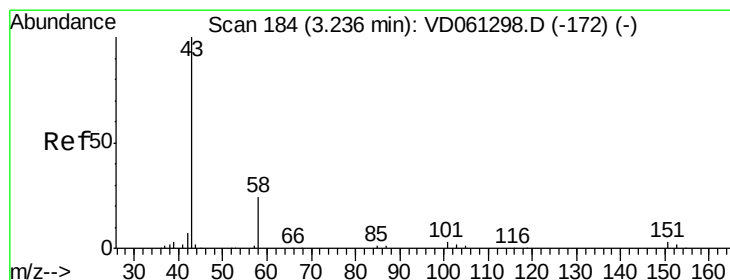
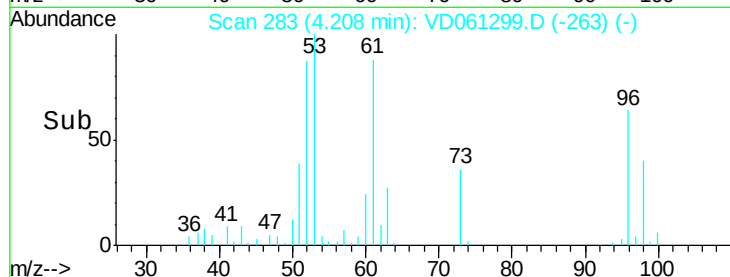
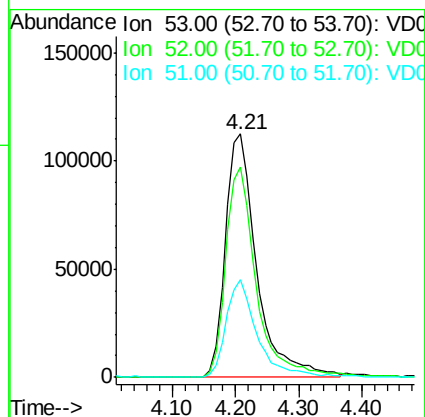
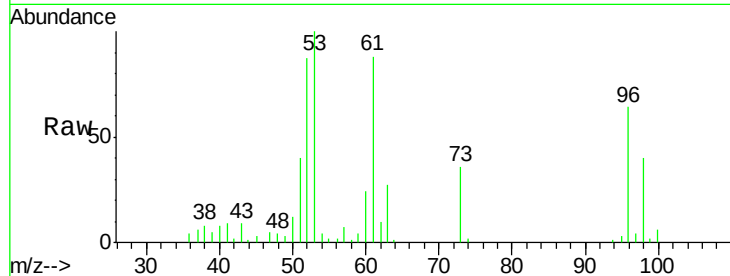
Tgt Ion: 53 Resp: 387081

Ion Ratio Lower Upper

53 100

52 86.6 69.4 104.2

51 39.9 31.7 47.5



#16

Acetone

Concen: 359.769 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD061299.D

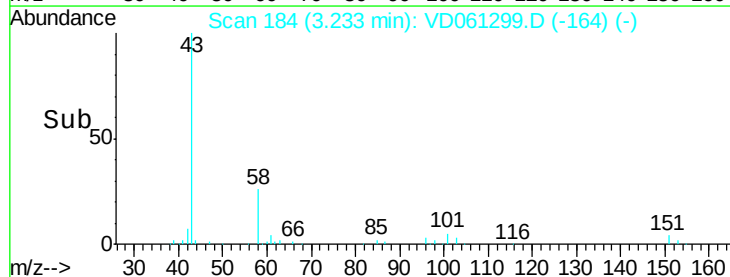
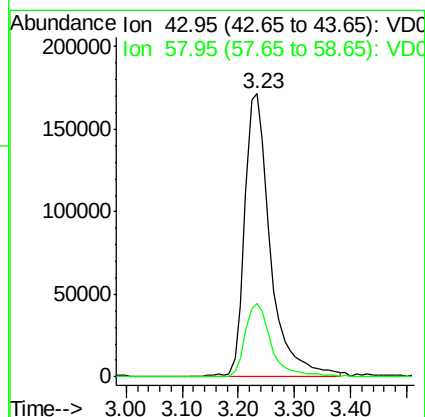
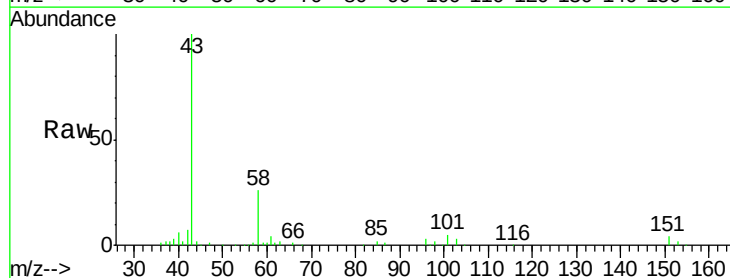
Acq: 25 Mar 2019 12:42

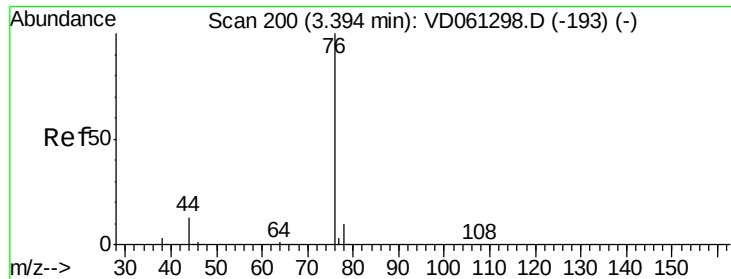
Tgt Ion: 43 Resp: 545159

Ion Ratio Lower Upper

43 100

58 25.9 19.4 29.0





#17

Carbon Disulfide

Concen: 62.858 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

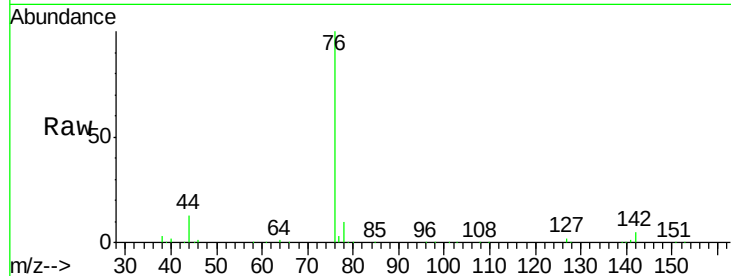
VSTDIC075

Tgt Ion: 76 Resp: 1480115

Ion Ratio Lower Upper

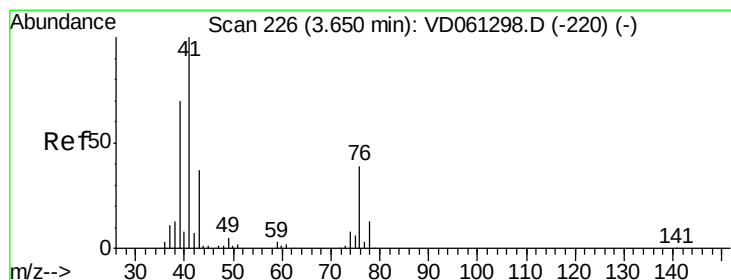
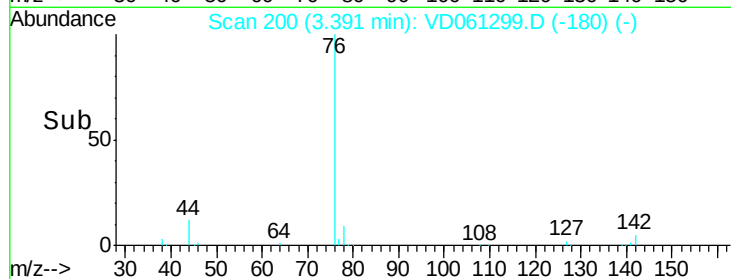
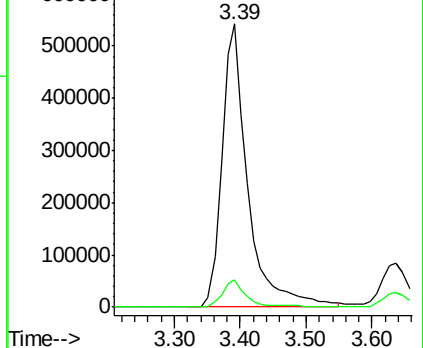
76 100

78 9.5 7.8 11.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 65.879 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD061299.D

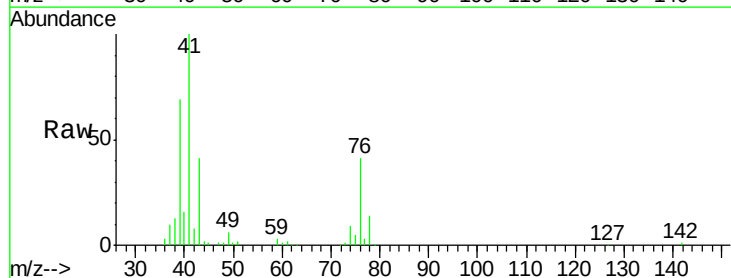
Acq: 25 Mar 2019 12:42

Tgt Ion: 43 Resp: 188519

Ion Ratio Lower Upper

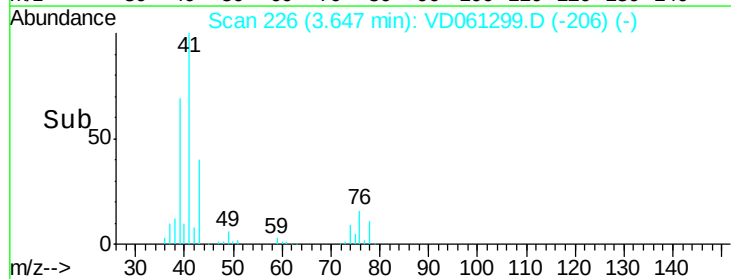
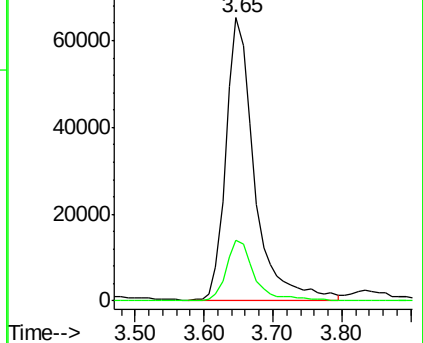
43 100

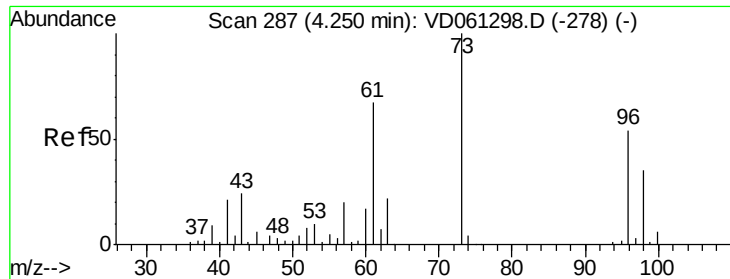
74 21.3 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 63.557 ug/l

RT: 4.25 min Scan# 287

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

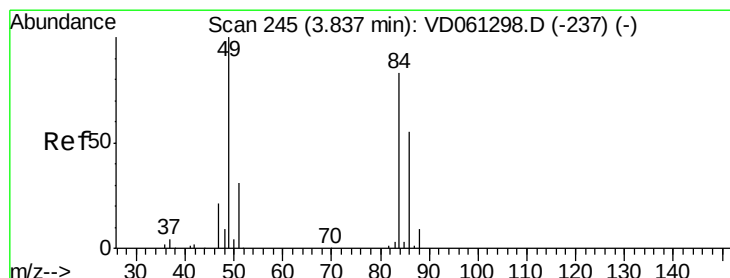
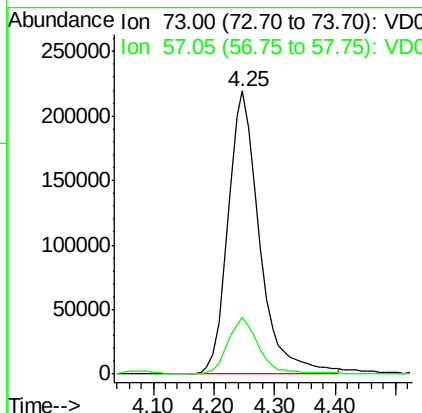
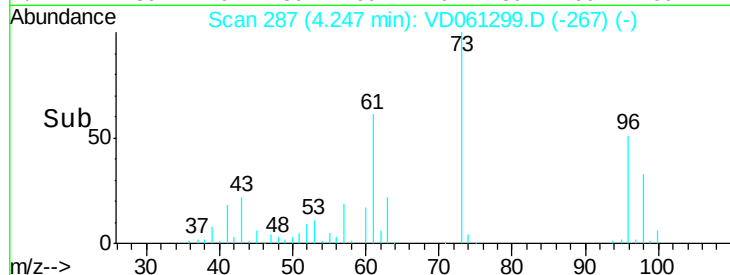
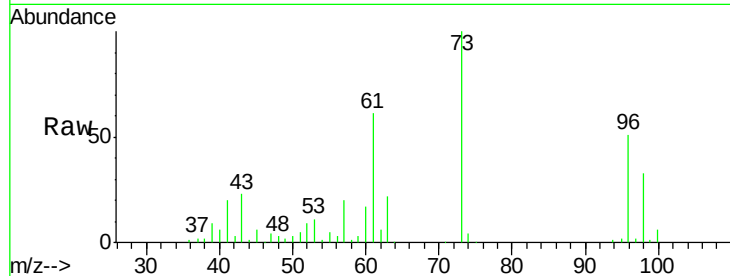
VSTDIC075

Tgt Ion: 73 Resp: 793385

Ion Ratio Lower Upper

73 100

57 19.9 16.3 24.5



#20

Methylene Chloride

Concen: 59.716 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion: 84 Resp: 513122

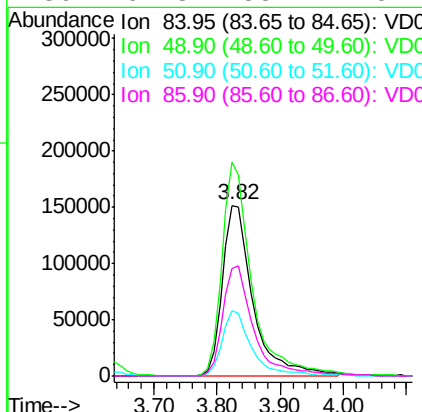
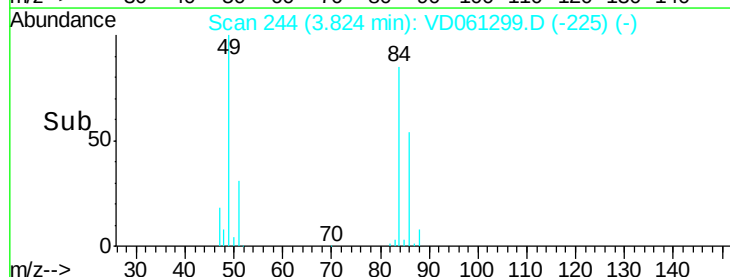
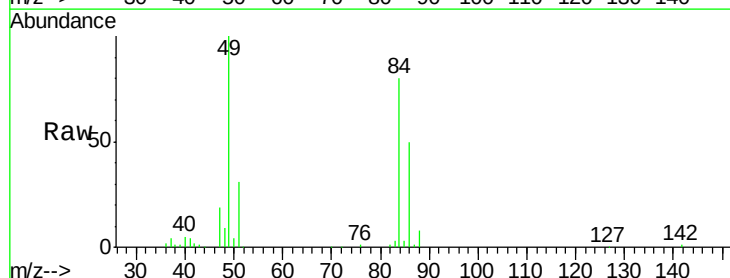
Ion Ratio Lower Upper

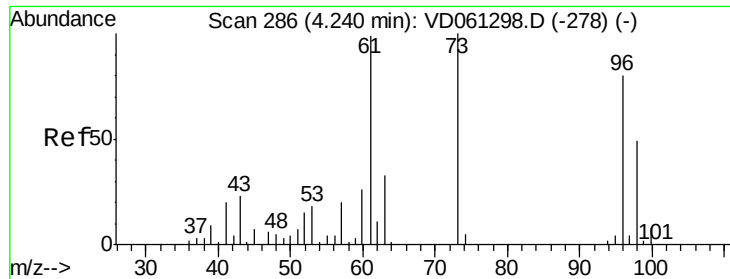
84 100

49 125.2 96.8 145.2

51 38.3 29.9 44.9

86 62.8 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 63.044 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

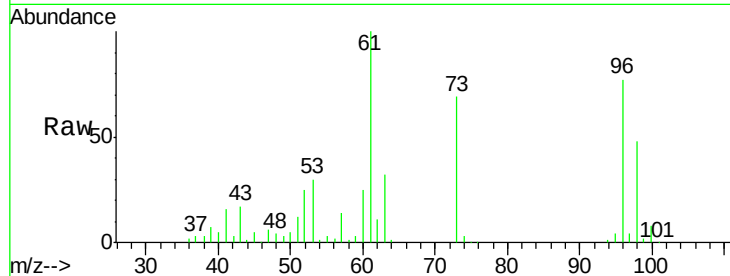
Tgt Ion: 96 Resp: 499880

Ion Ratio Lower Upper

96 100

61 130.0 99.2 148.8

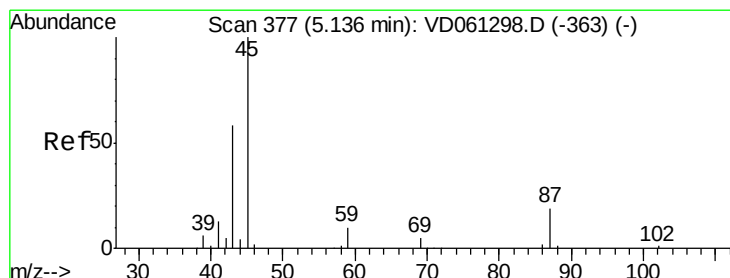
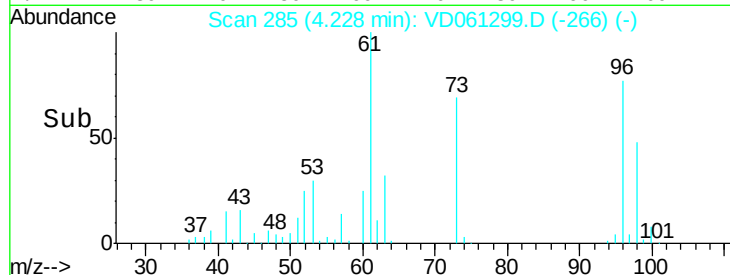
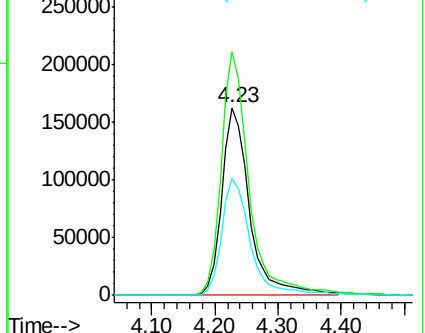
98 62.6 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 63.582 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion: 45 Resp: 1343653

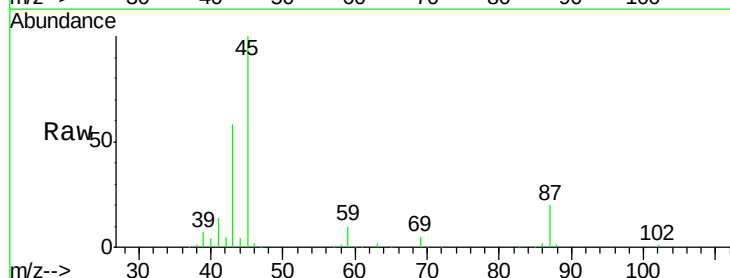
Ion Ratio Lower Upper

45 100

43 58.0 46.7 70.1

87 20.2 15.5 23.3

59 10.2 8.4 12.6

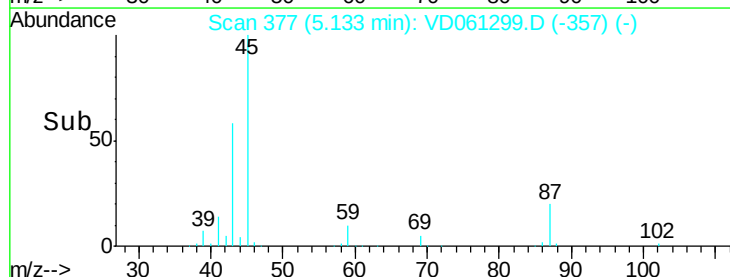
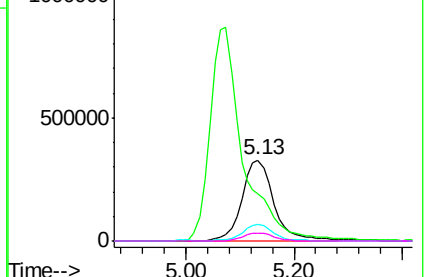


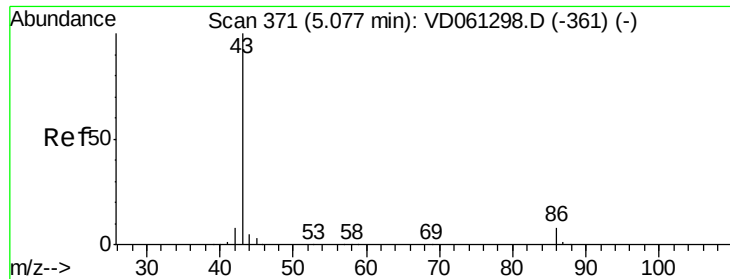
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 319.404 ug/l

RT: 5.07 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

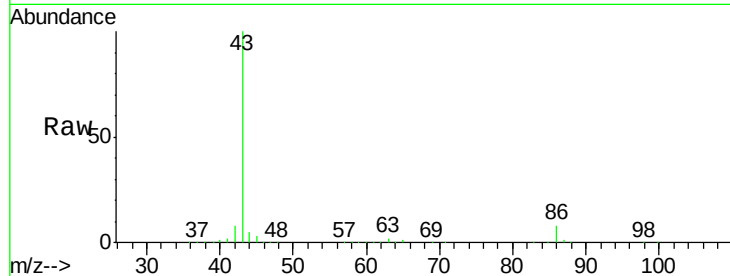
VSTDIC075

Tgt Ion: 43 Resp: 3603336

Ion Ratio Lower Upper

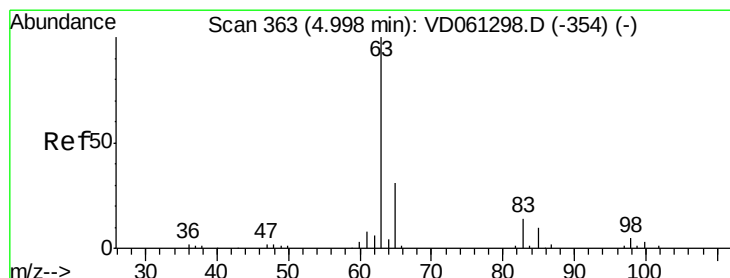
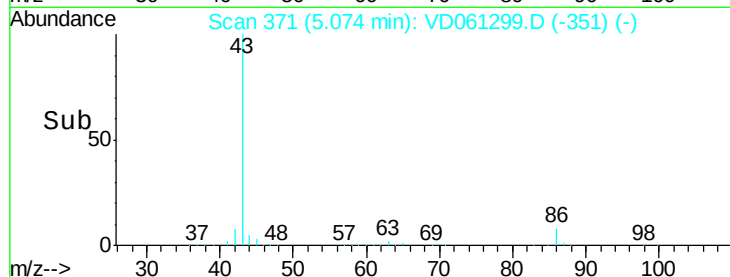
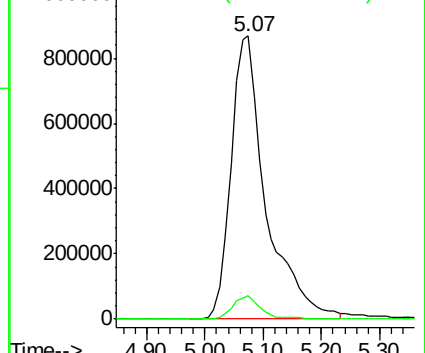
43 100

86 8.1 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 66.061 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

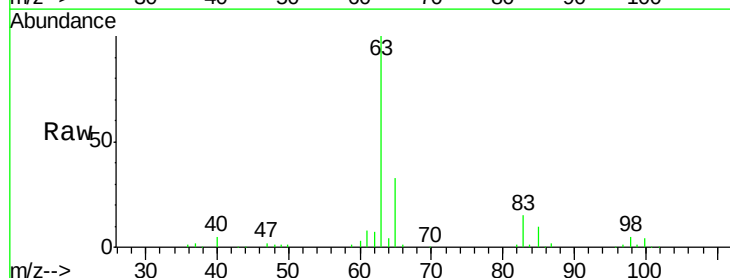
Tgt Ion: 63 Resp: 814730

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

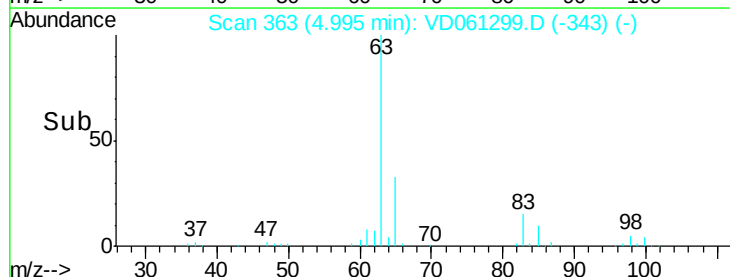
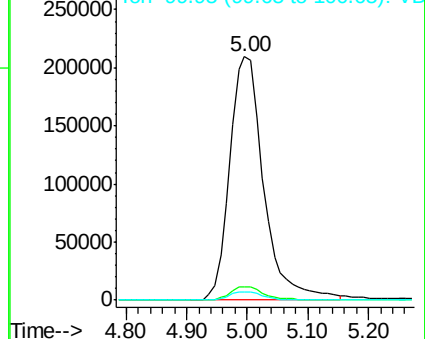
100 3.5 1.6 4.8

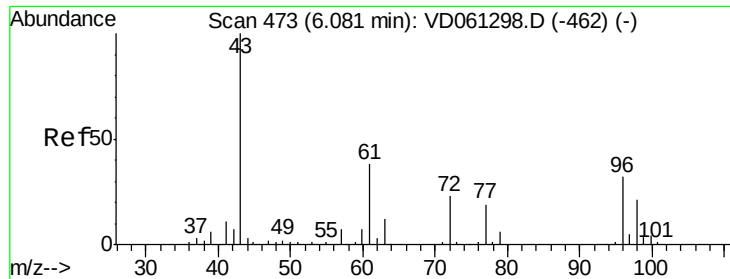


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 353.251 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

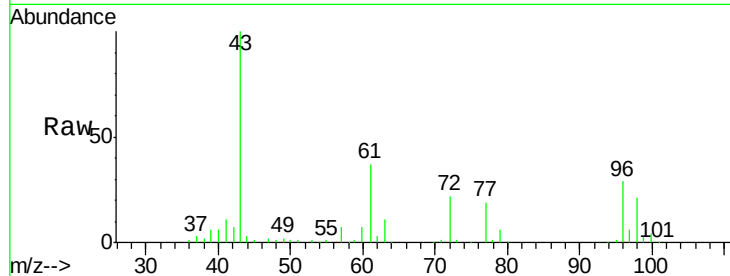
VSTDIC075

Tgt Ion: 43 Resp: 618533

Ion Ratio Lower Upper

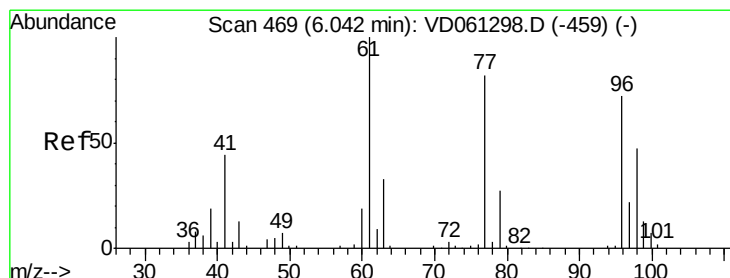
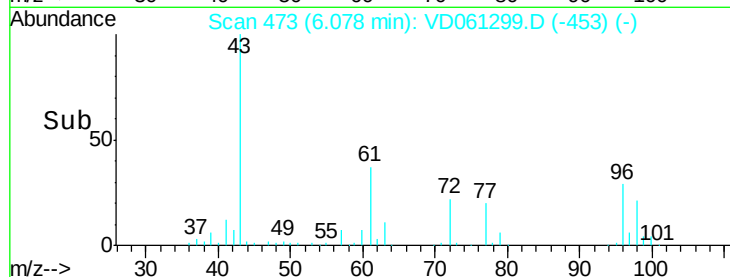
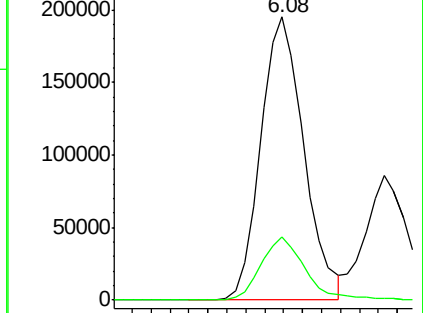
43 100

72 22.4 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 63.509 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061299.D

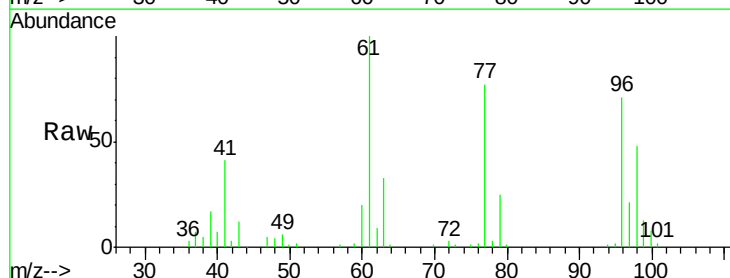
Acq: 25 Mar 2019 12:42

Tgt Ion: 77 Resp: 664302

Ion Ratio Lower Upper

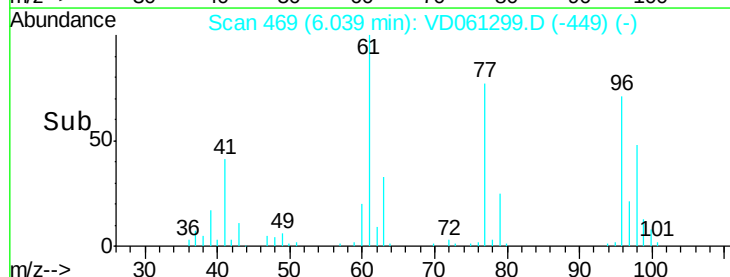
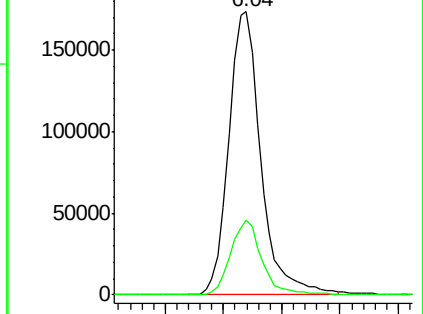
77 100

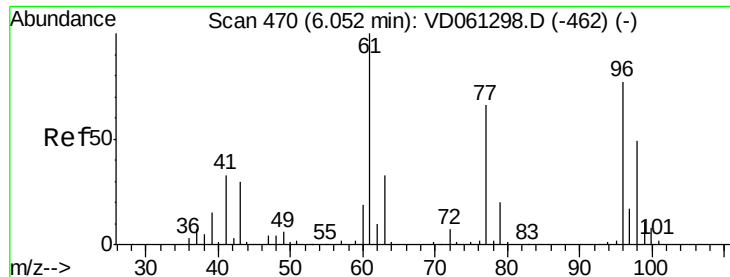
97 26.5 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



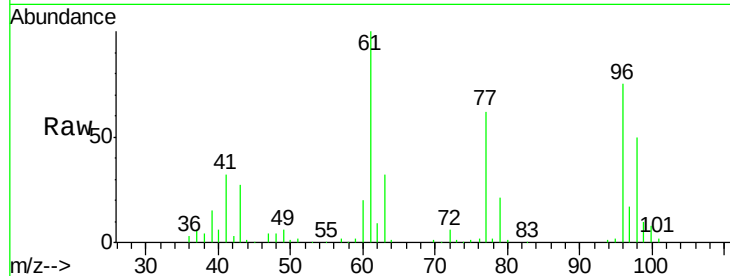


#27

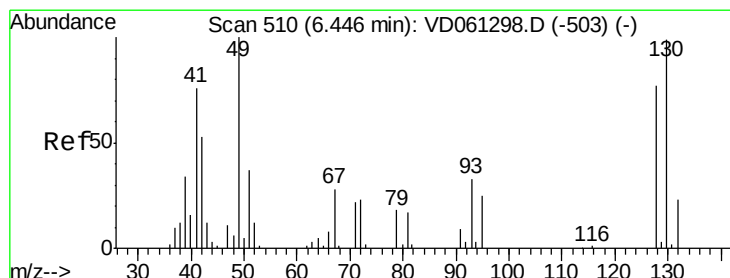
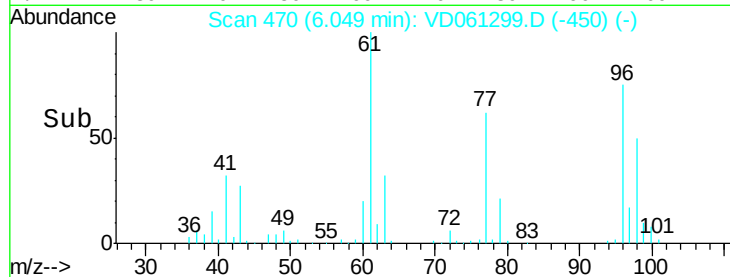
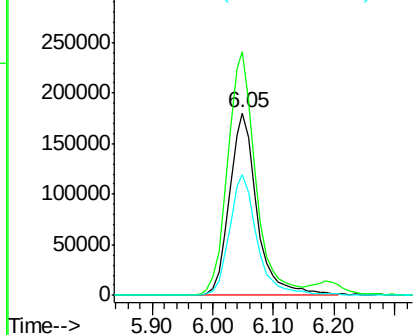
cis-1,2-Dichloroethene
Concen: 66.550 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 96 Resp: 567434
Ion Ratio Lower Upper
96 100
61 133.3 0.0 261.0
98 66.3 0.0 127.6



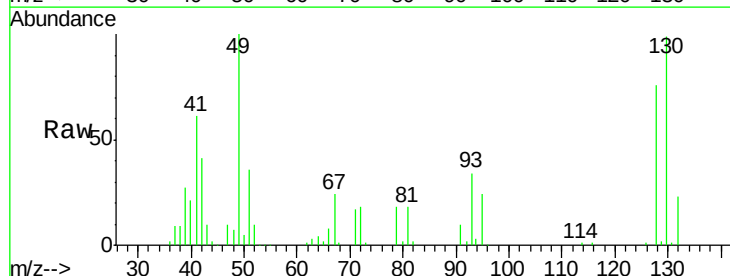
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



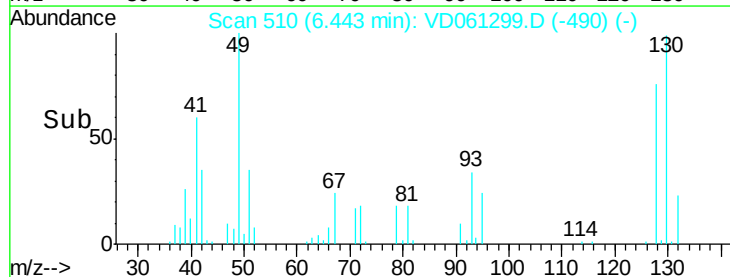
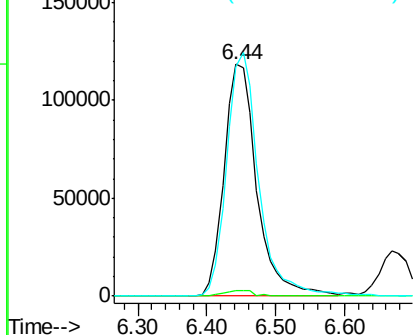
#28

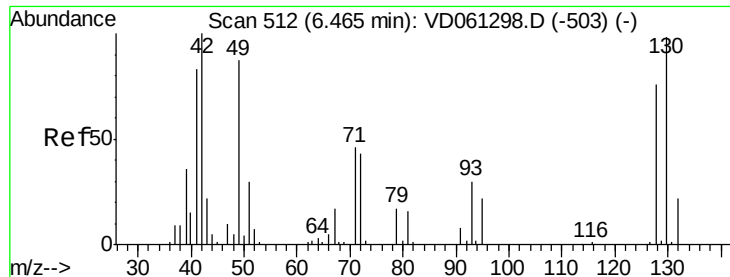
Bromochloromethane
Concen: 75.568 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 49 Resp: 390129
Ion Ratio Lower Upper
49 100
129 2.3 0.0 5.2
130 99.1 79.0 118.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 319.916 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

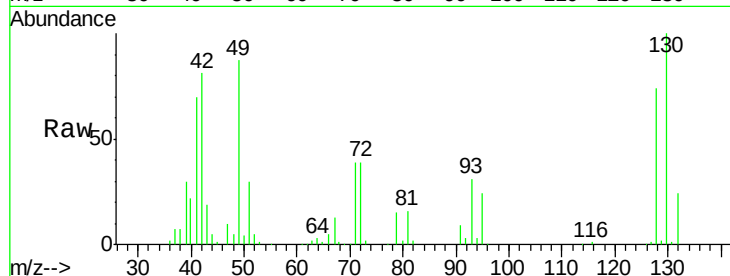
Tgt Ion: 42 Resp: 278822

Ion Ratio Lower Upper

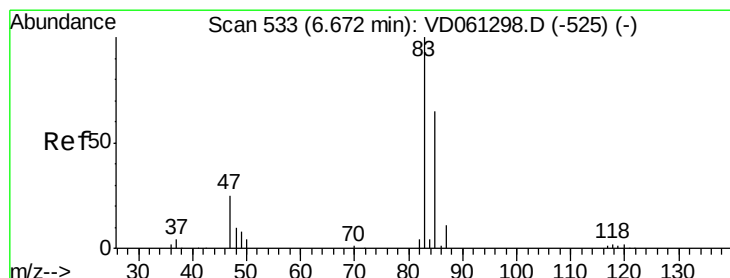
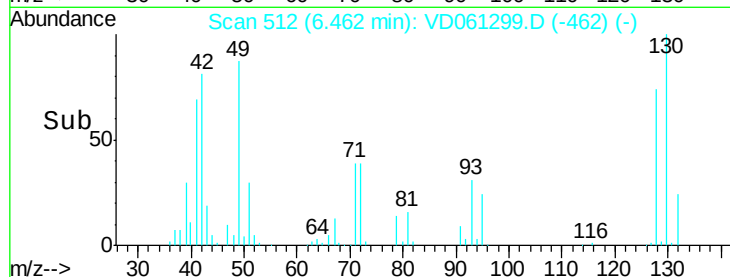
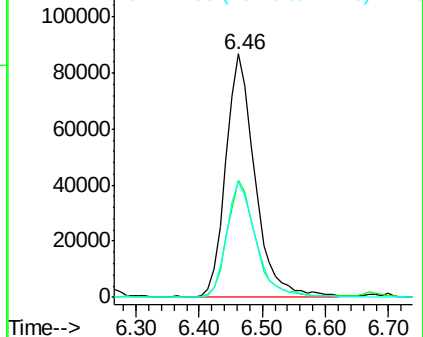
42 100

72 47.1 36.6 54.8

71 47.8 36.3 54.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 65.768 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD061299.D

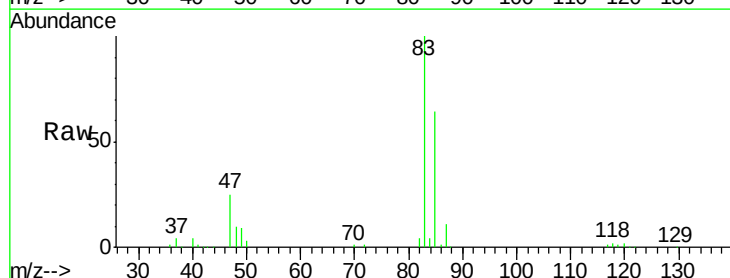
Acq: 25 Mar 2019 12:42

Tgt Ion: 83 Resp: 864815

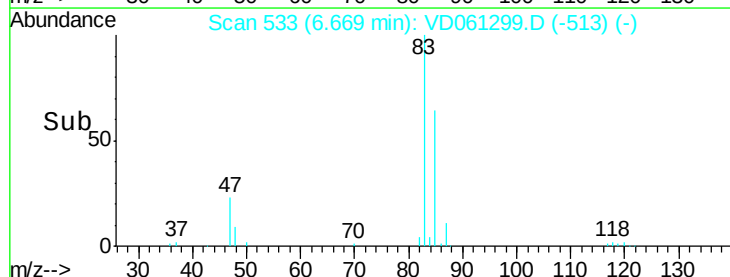
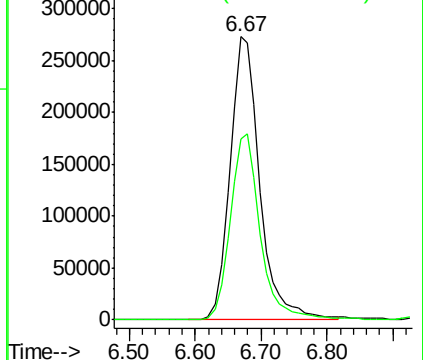
Ion Ratio Lower Upper

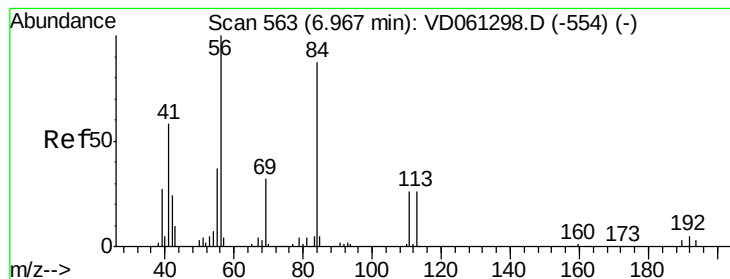
83 100

85 64.0 52.2 78.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 69.716 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

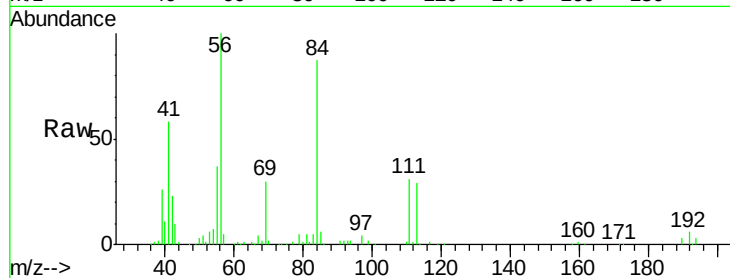
Tgt Ion: 56 Resp: 697880

Ion Ratio Lower Upper

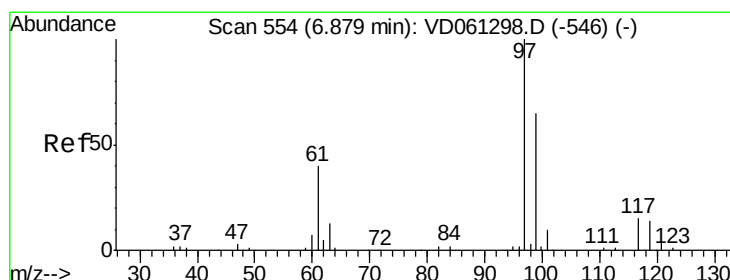
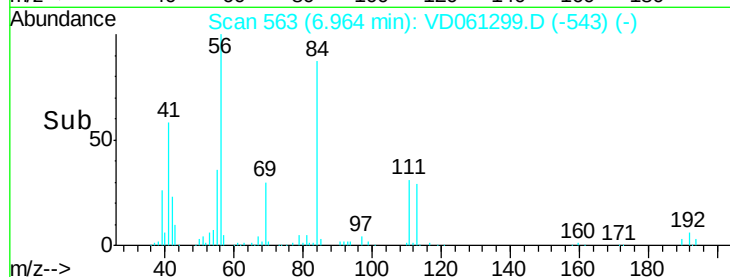
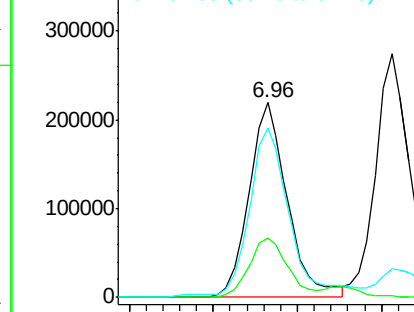
56 100

69 30.3 25.5 38.3

84 87.0 71.4 107.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 65.583 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

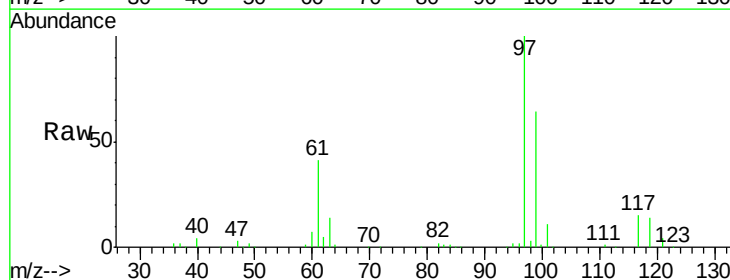
Tgt Ion: 97 Resp: 763622

Ion Ratio Lower Upper

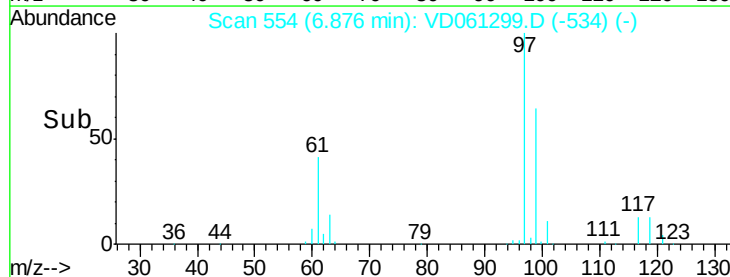
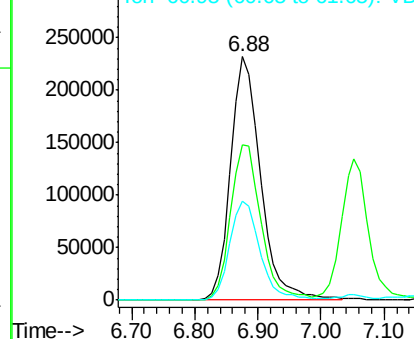
97 100

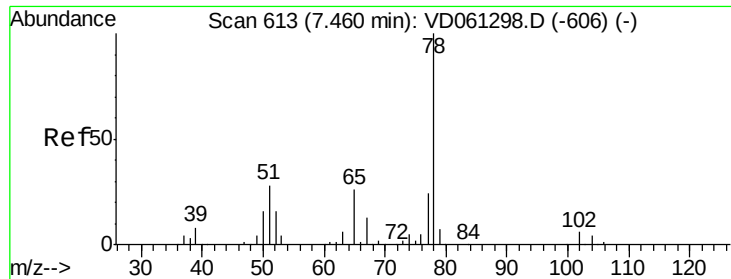
99 63.8 51.8 77.6

61 40.7 31.9 47.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 65.583 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

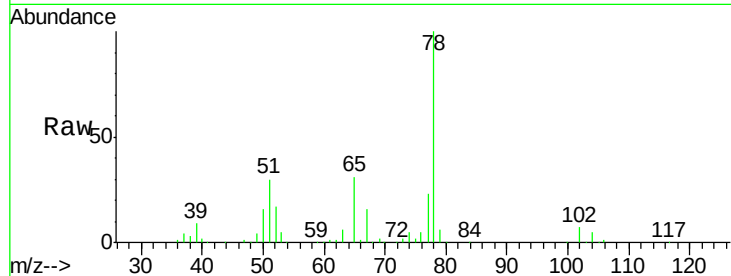
VSTDIC075

Tgt Ion: 65 Resp: 455231

Ion Ratio Lower Upper

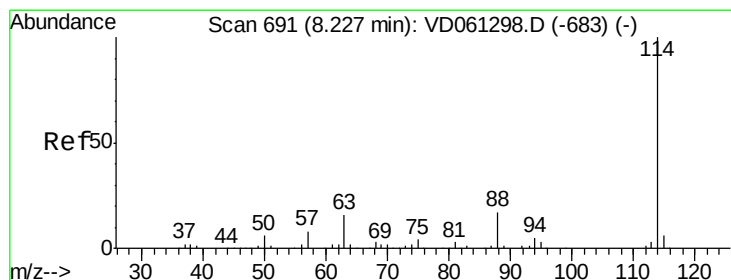
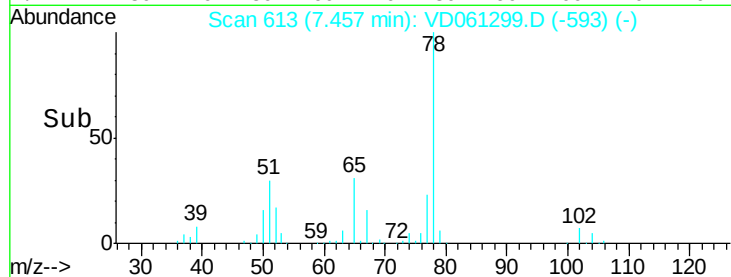
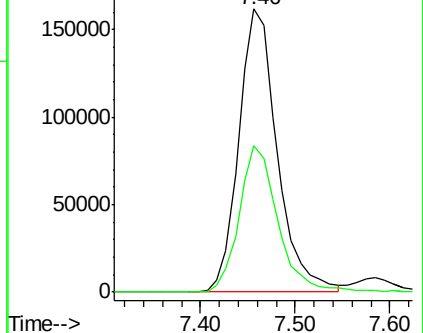
65 100

67 51.7 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

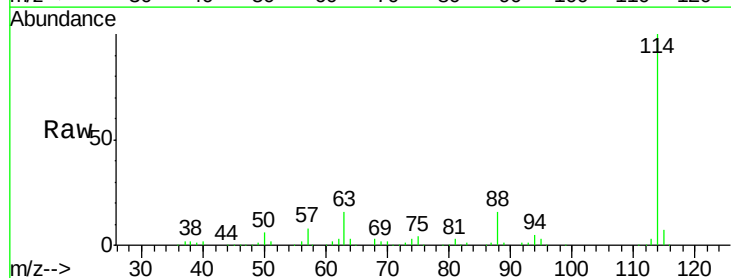
Tgt Ion: 114 Resp: 1280641

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

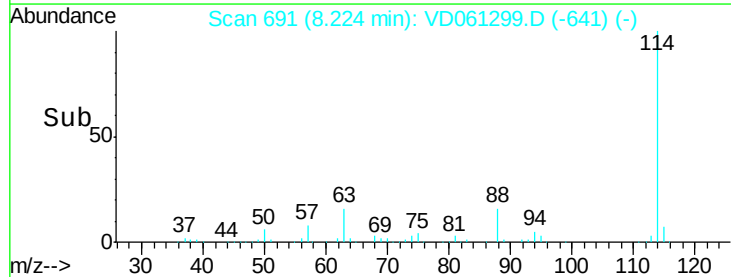
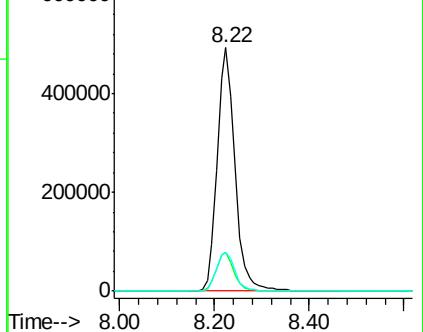
88 16.0 0.0 33.2

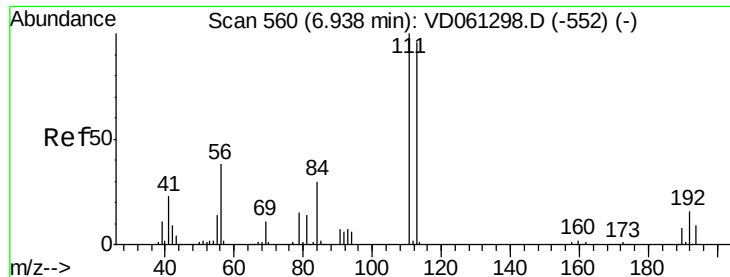


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

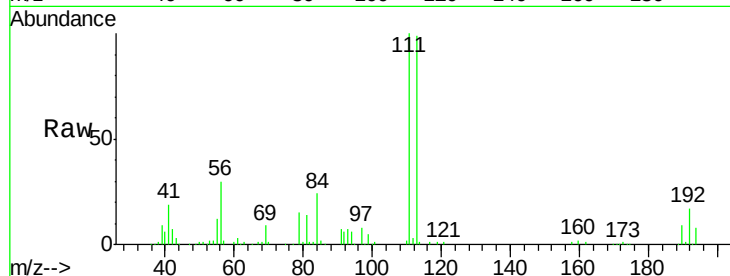
Tgt Ion:113 Resp: 711964

Ion Ratio Lower Upper

113 100

111 101.2 83.7 125.5

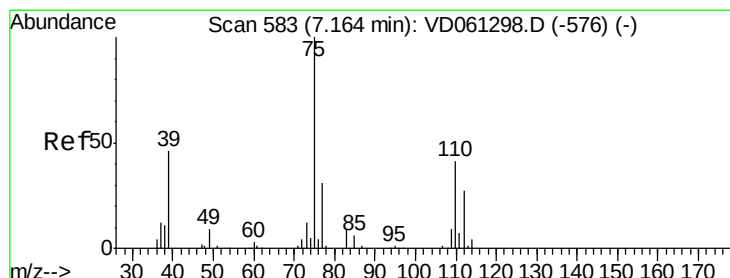
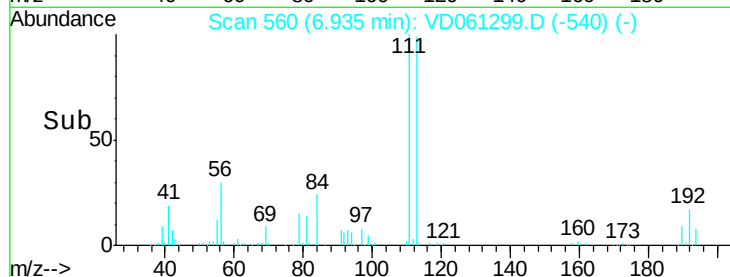
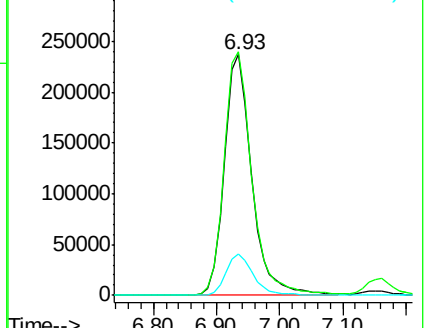
192 17.2 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 62.580 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

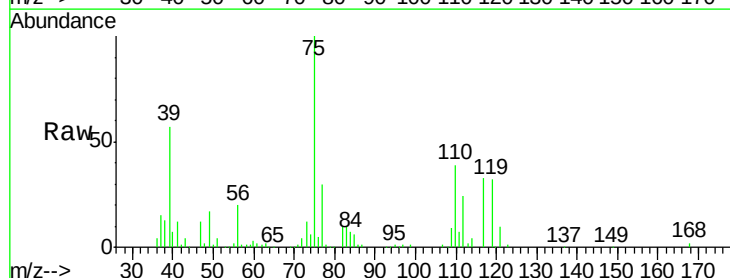
Tgt Ion: 75 Resp: 655457

Ion Ratio Lower Upper

75 100

110 38.8 20.1 60.2

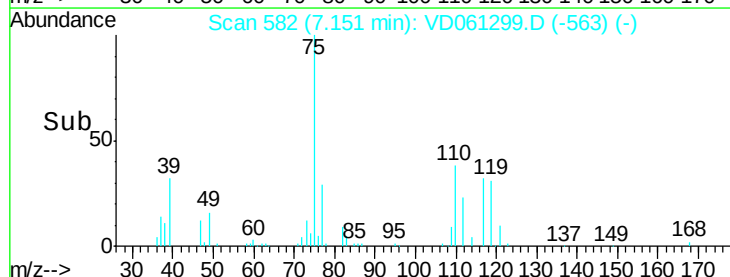
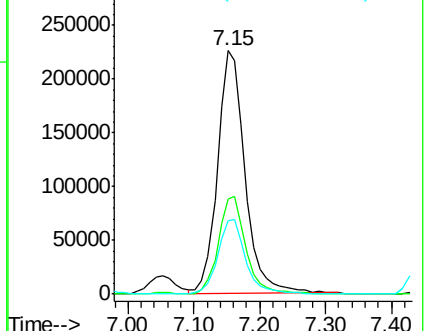
77 30.2 24.3 36.5

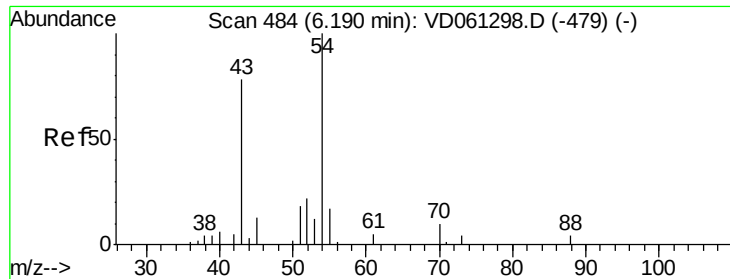


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

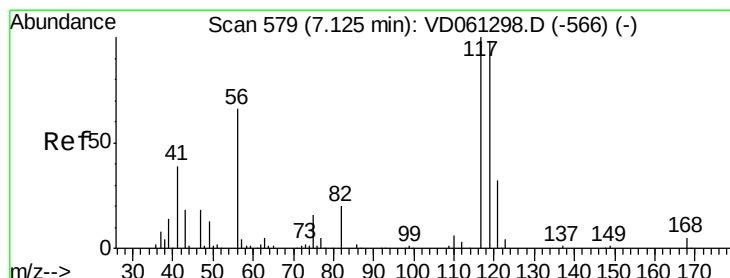
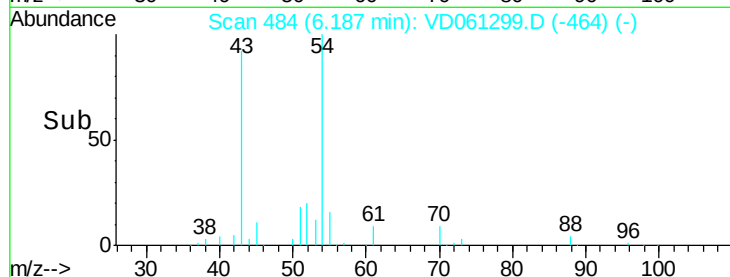
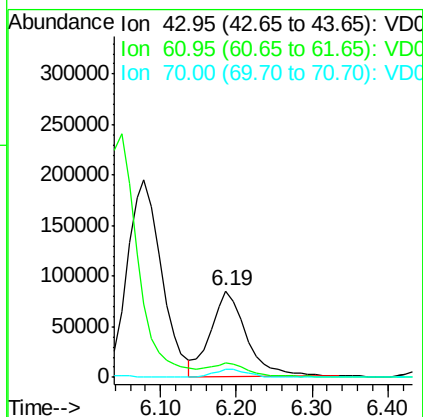
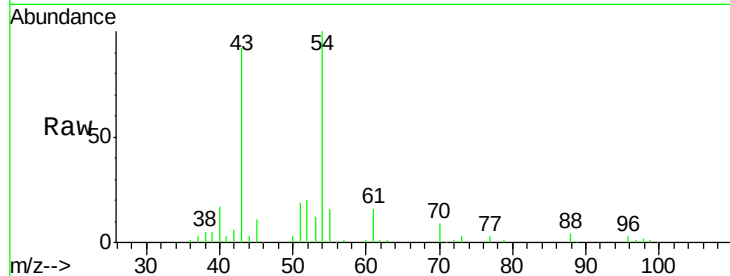




#37
Ethyl Acetate
 Concen: 63.686 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

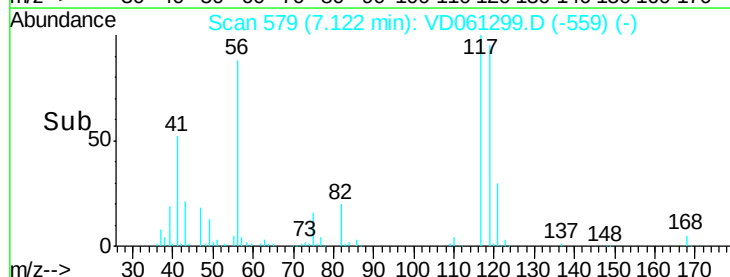
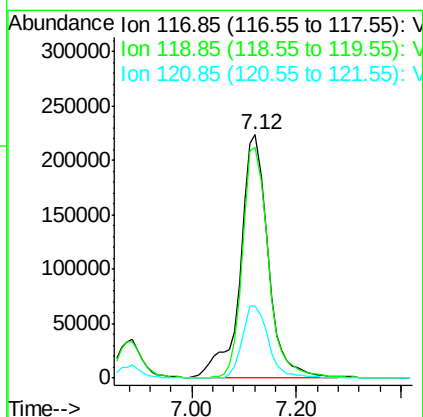
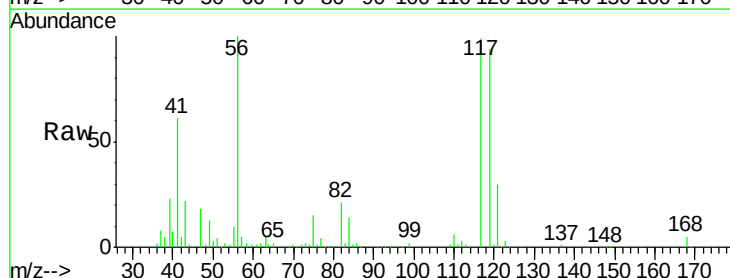
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

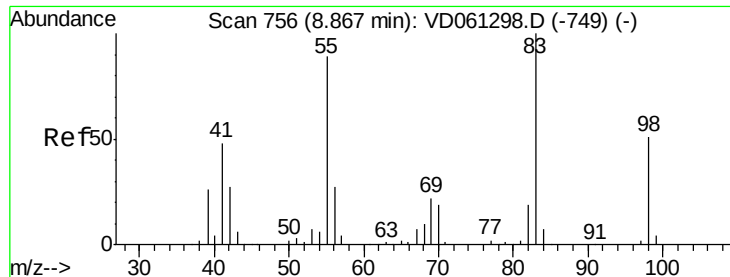
Tgt Ion: 43 Resp: 277806
 Ion Ratio Lower Upper
 43 100
 61 17.2 12.6 19.0
 70 9.2 8.2 12.4



#38
Carbon Tetrachloride
 Concen: 64.547 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion: 117 Resp: 799072
 Ion Ratio Lower Upper
 117 100
 119 95.0 78.4 117.6
 121 29.8 25.1 37.7

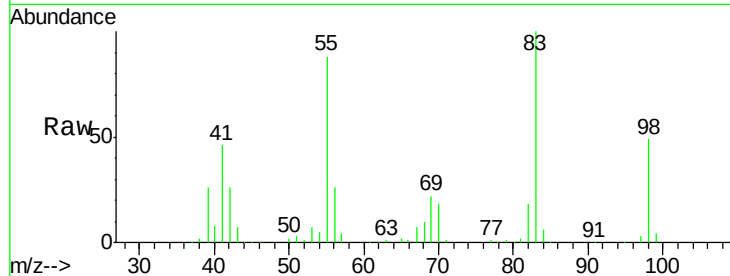




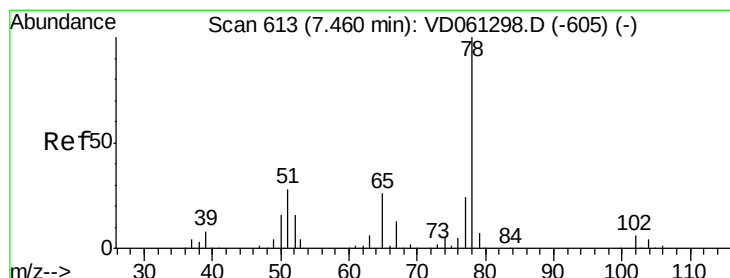
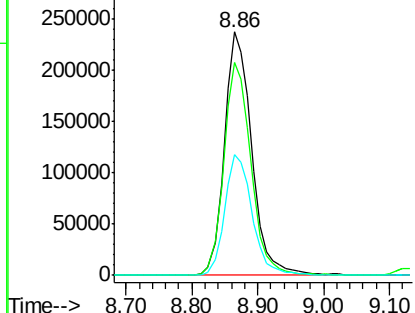
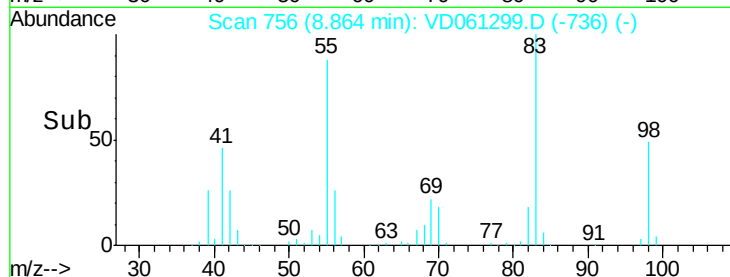
#39
Methylcyclohexane
Concen: 63.263 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 83 Resp: 686835
Ion Ratio Lower Upper
83 100
55 87.7 71.3 106.9
98 49.4 40.4 60.6

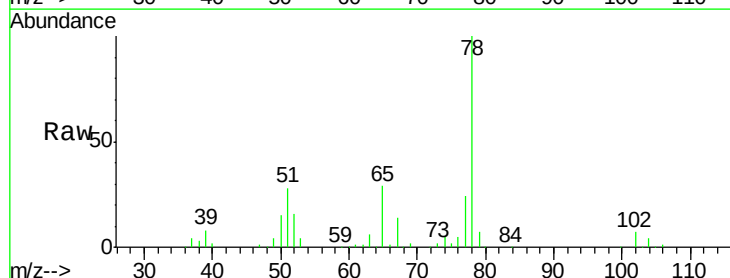


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

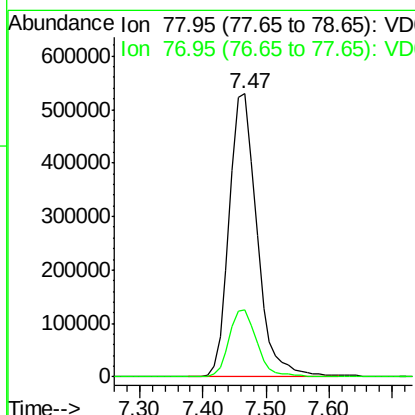
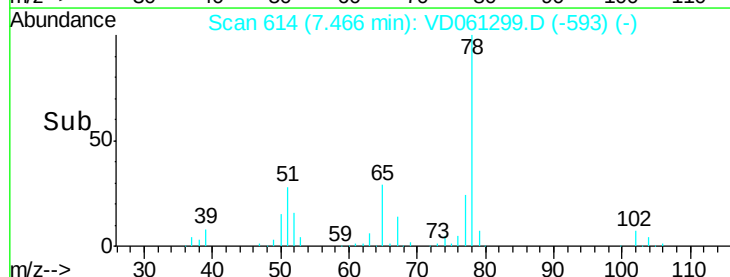


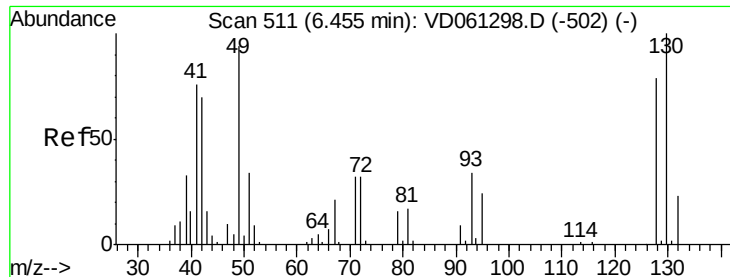
#40
Benzene
Concen: 62.344 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 78 Resp: 1623346
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 62.379 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 317302

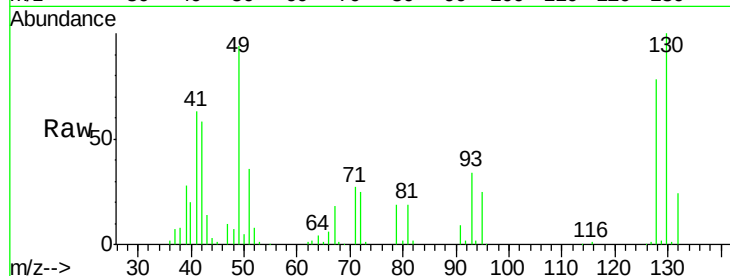
Ion Ratio Lower Upper

41 100

39 44.0 34.2 51.2

67 29.1 21.8 32.6

52 13.3 9.0 13.4

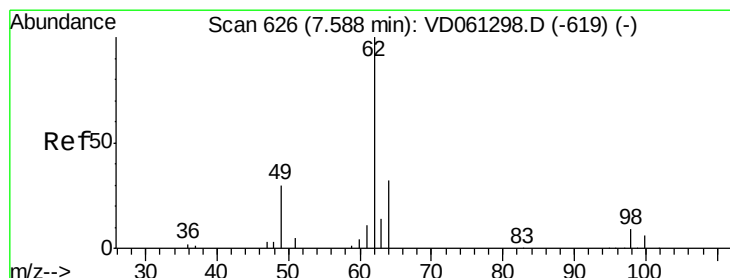
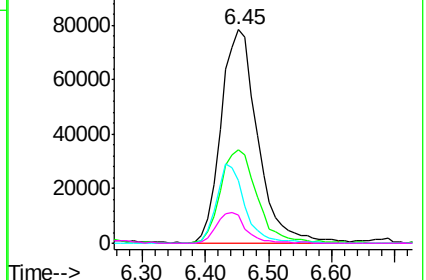
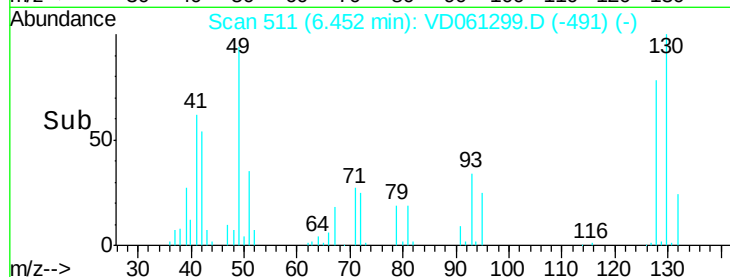


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 61.621 ug/l

RT: 7.58 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD061299.D

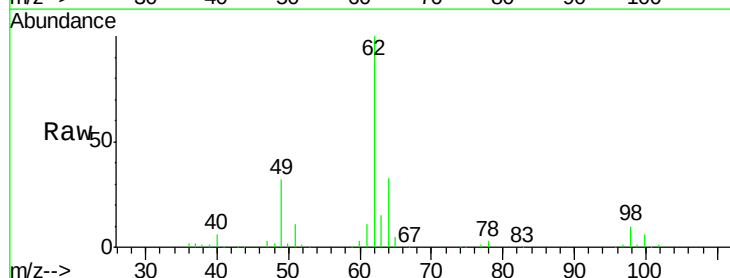
Acq: 25 Mar 2019 12:42

Tgt Ion: 62 Resp: 499985

Ion Ratio Lower Upper

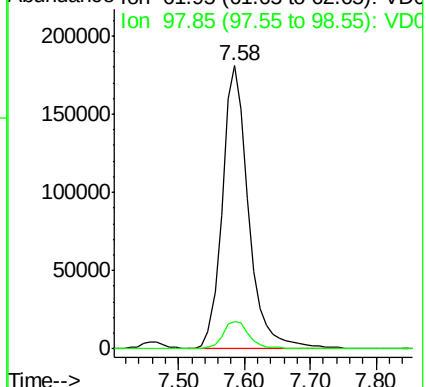
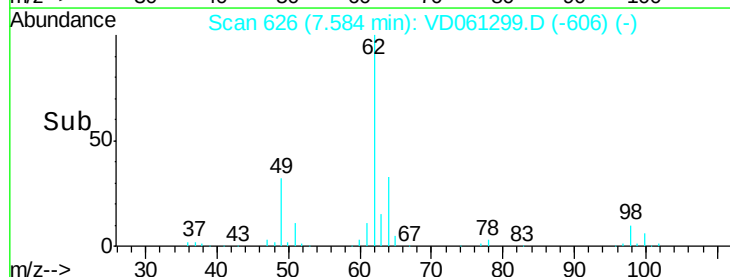
62 100

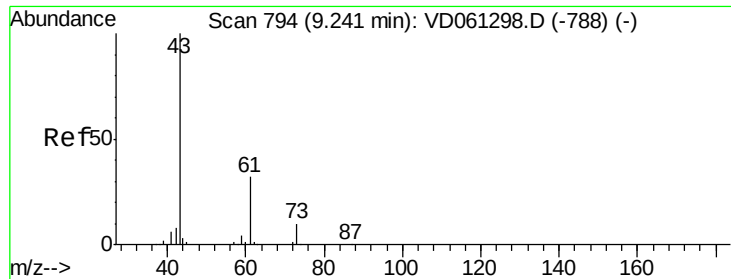
98 9.5 0.0 18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

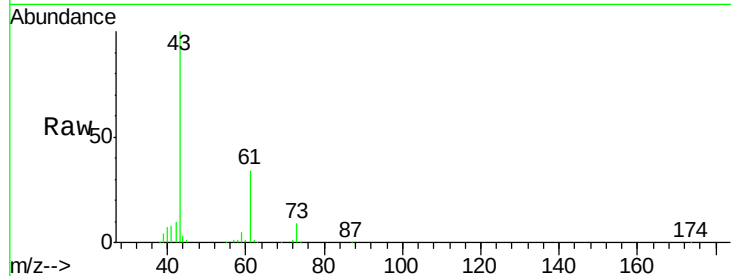




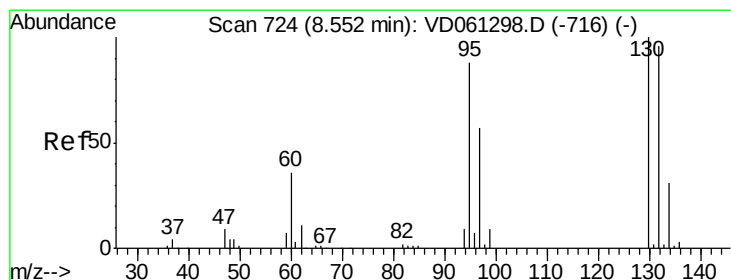
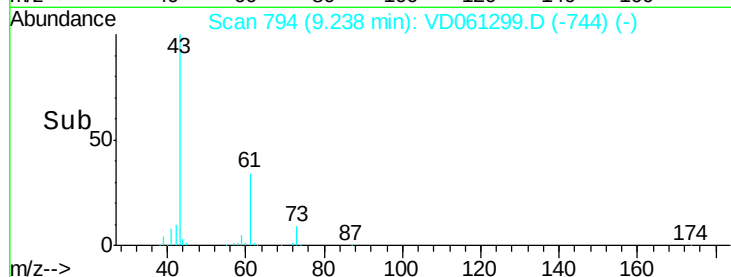
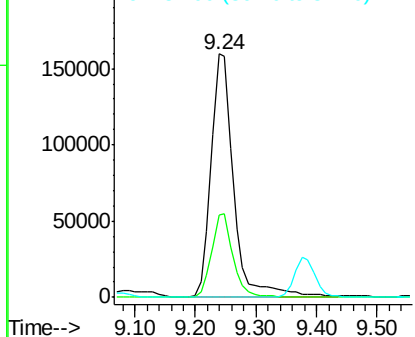
#43
Isopropyl Acetate
Concen: 66.186 ug/l
RT: 9.24 min Scan# 794
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 417647
Ion Ratio Lower Upper
43 100
61 34.0 25.8 38.8
87 0.2 0.3 0.5#

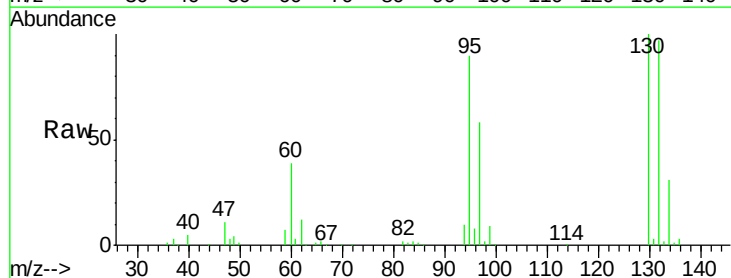


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

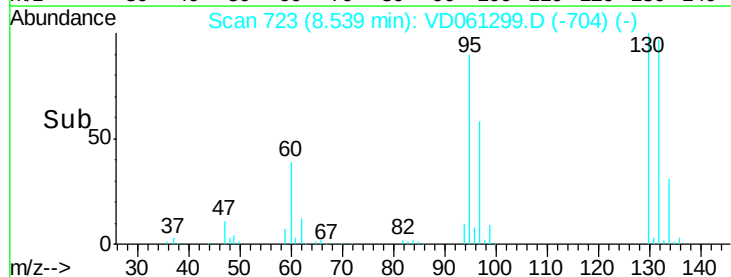
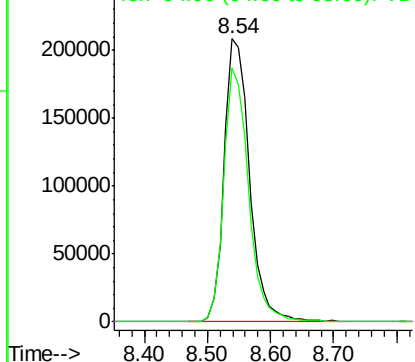


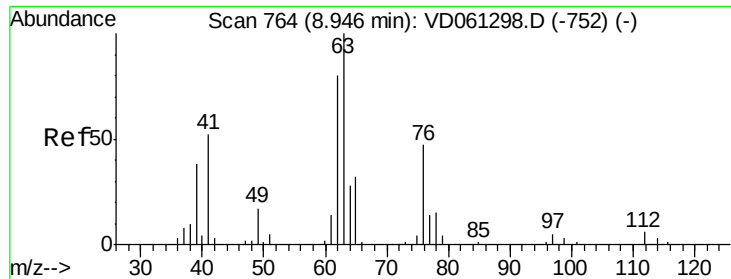
#44
Trichloroethene
Concen: 62.036 ug/l
RT: 8.54 min Scan# 723
Delta R.T. -0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 130 Resp: 583822
Ion Ratio Lower Upper
130 100
95 89.8 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

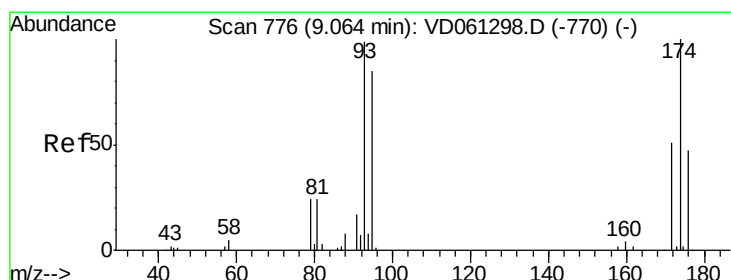
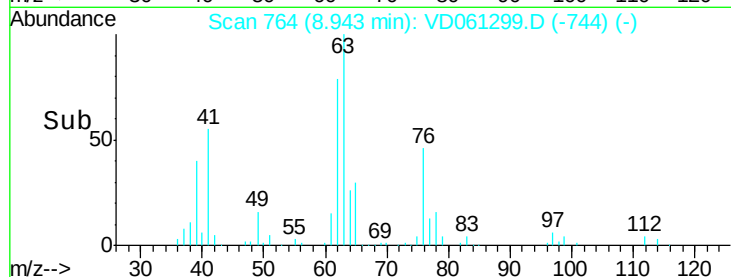
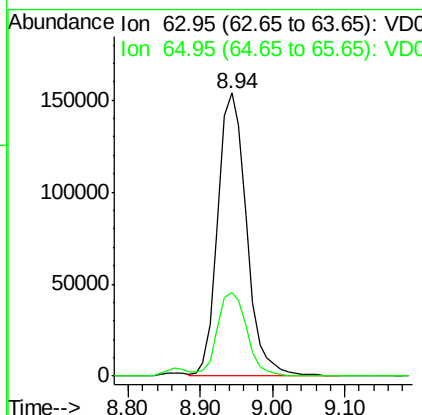
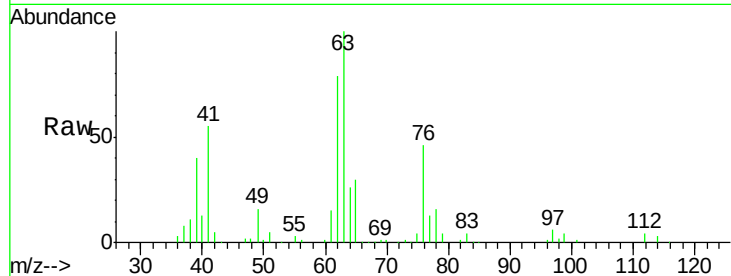




#45
 1,2-Dichloropropane
 Concen: 65.474 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

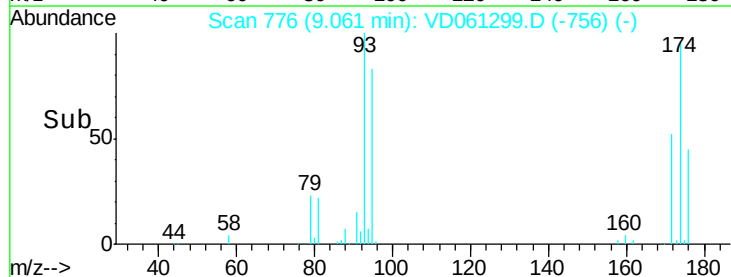
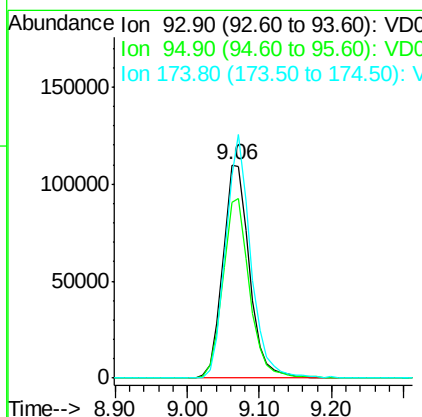
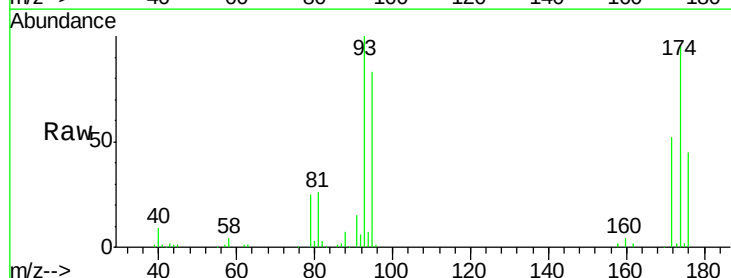
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

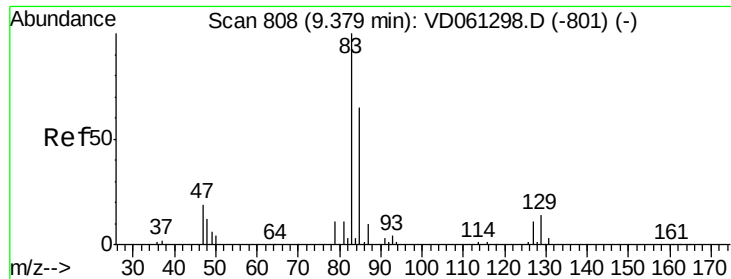
Tgt Ion: 63 Resp: 420507
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.2 37.8



#46
 Dibromomethane
 Concen: 63.864 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion: 93 Resp: 281223
 Ion Ratio Lower Upper
 93 100
 95 82.8 68.1 102.1
 174 95.0 80.4 120.6





#47

Bromodichloromethane

Concen: 61.434 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

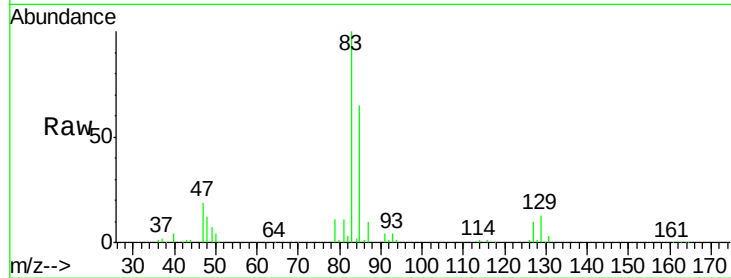
Tgt Ion: 83 Resp: 633960

Ion Ratio Lower Upper

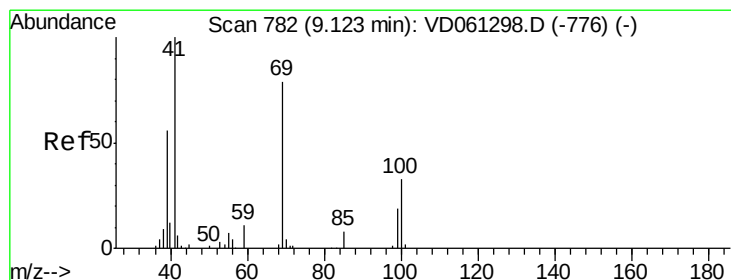
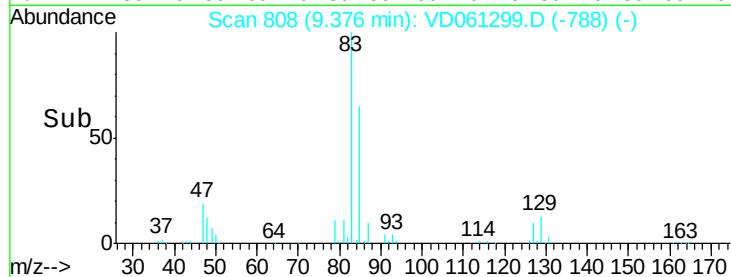
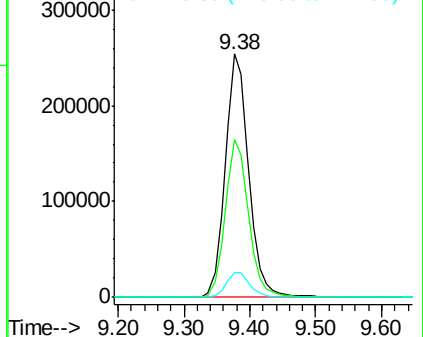
83 100

85 65.1 51.7 77.5

127 10.3 8.8 13.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 66.376 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

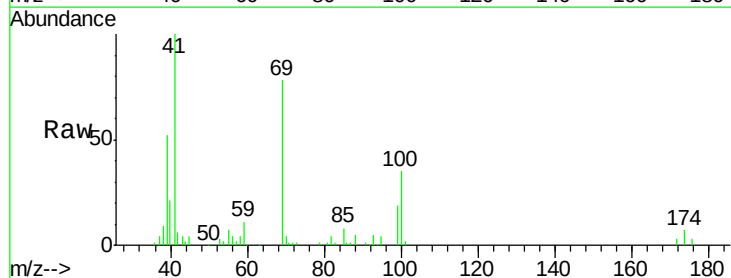
Tgt Ion: 41 Resp: 223551

Ion Ratio Lower Upper

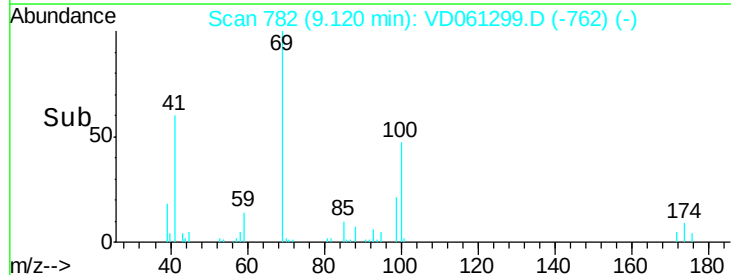
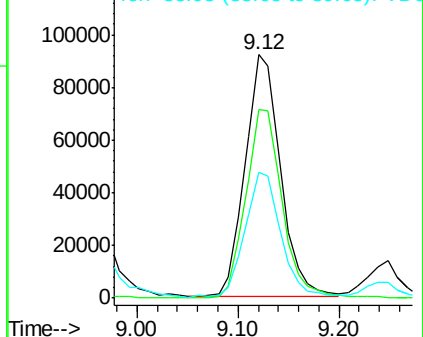
41 100

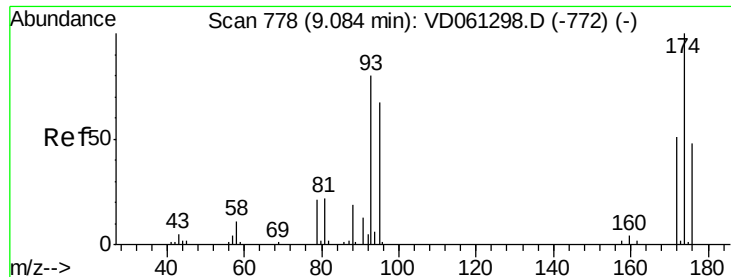
69 77.7 62.4 93.6

39 51.6 44.9 67.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1423.688 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

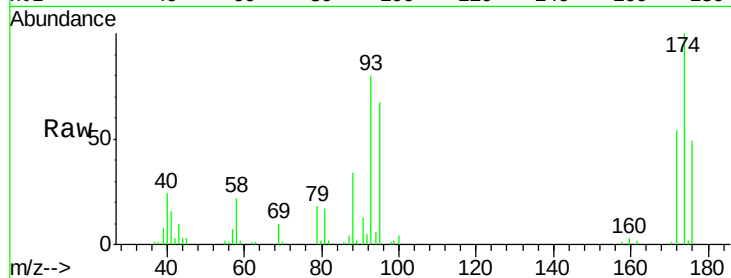
Tgt Ion: 88 Resp: 52610

Ion Ratio Lower Upper

88 100

43 28.6 20.7 31.1

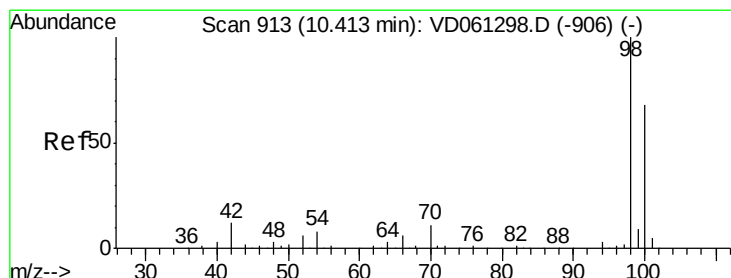
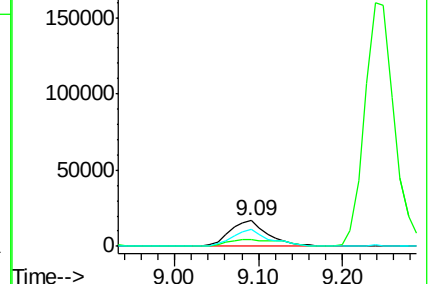
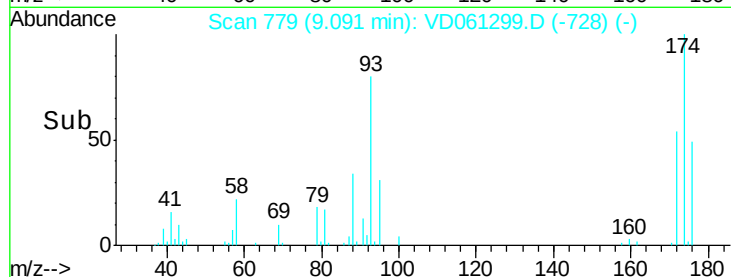
58 64.0 44.9 67.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1423.688 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD061299.D

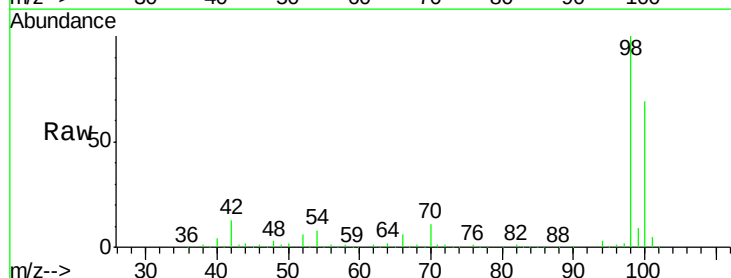
Acq: 25 Mar 2019 12:42

Tgt Ion: 98 Resp: 1763491

Ion Ratio Lower Upper

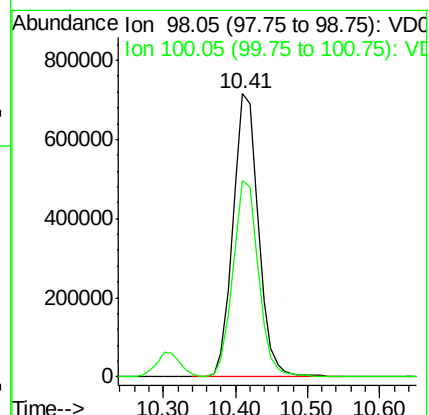
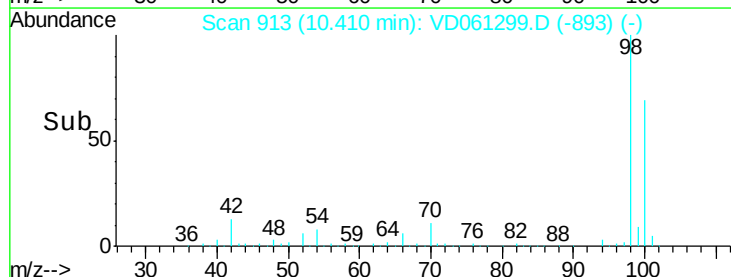
98 100

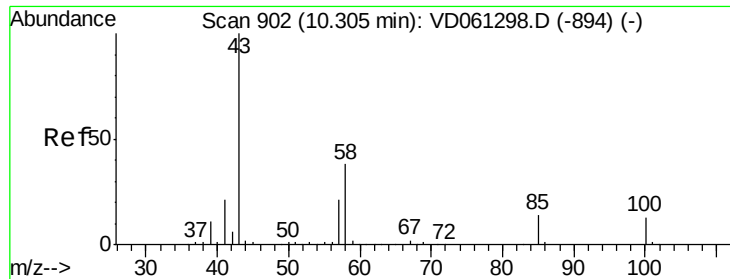
100 69.4 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 303.918 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

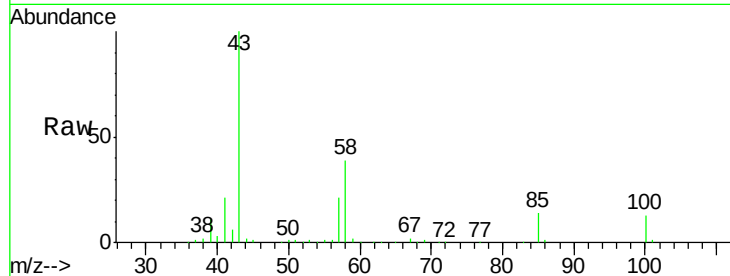
VSTDIC075

Tgt Ion: 43 Resp: 1141638

Ion Ratio Lower Upper

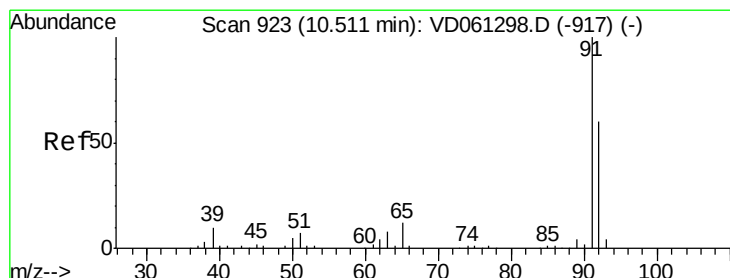
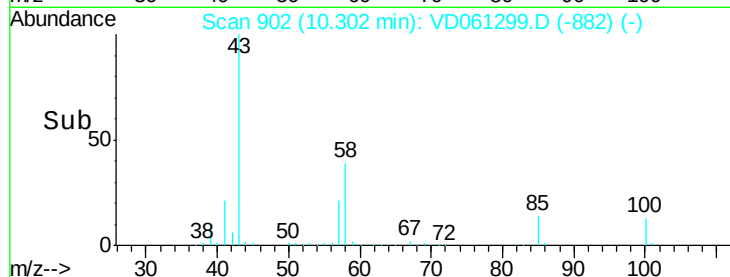
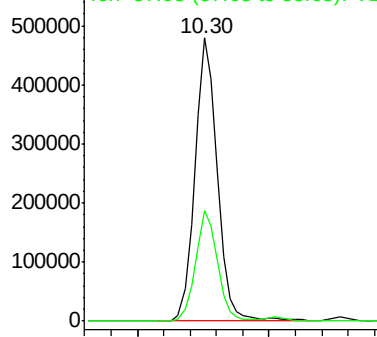
43 100

58 38.8 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 63.580 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061299.D

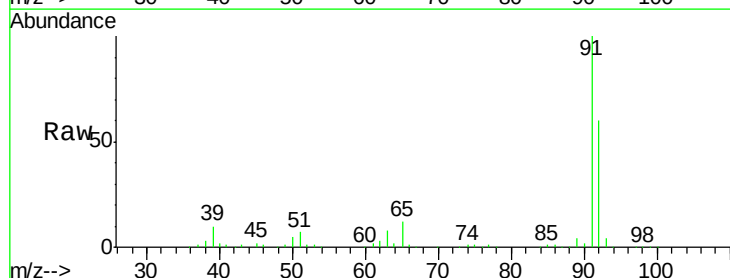
Acq: 25 Mar 2019 12:42

Tgt Ion: 92 Resp: 1012331

Ion Ratio Lower Upper

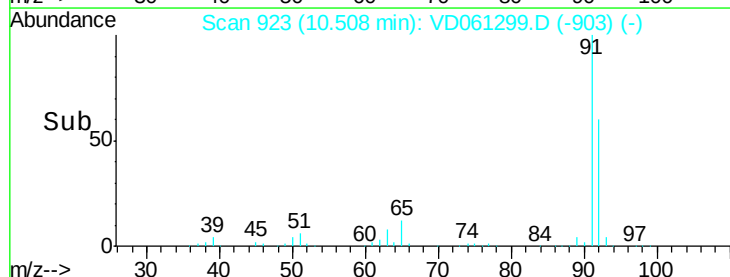
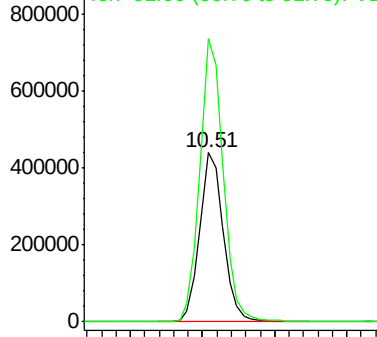
92 100

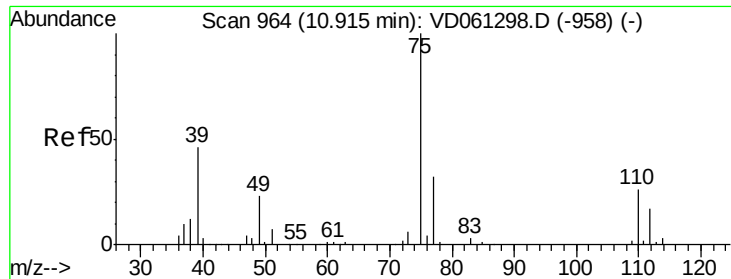
91 167.6 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

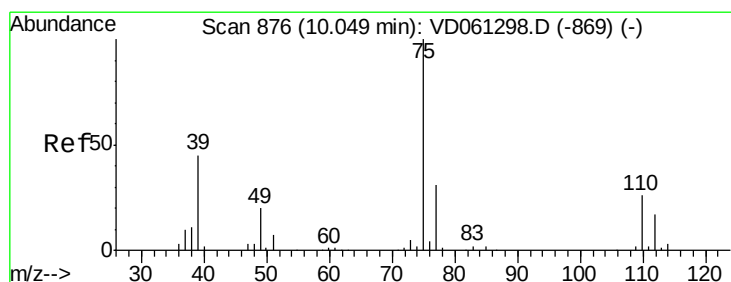
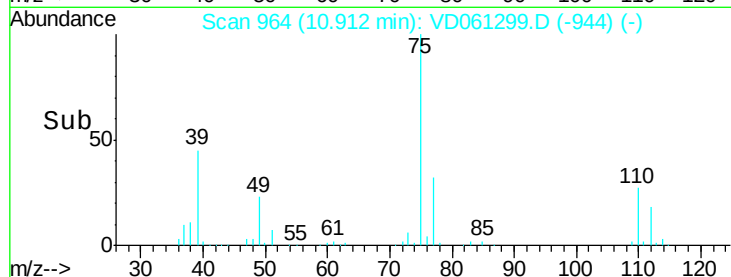
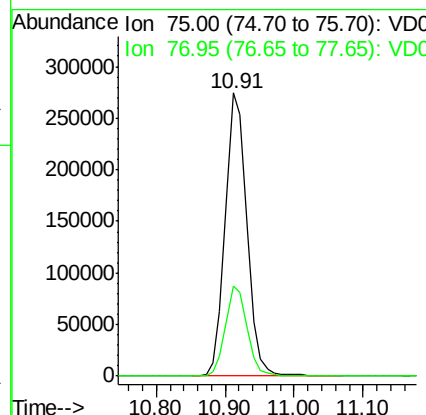
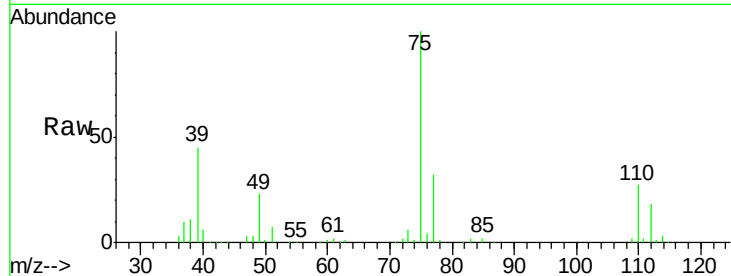




#53
 t-1,3-Dichloropropene
 Concen: 66.910 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

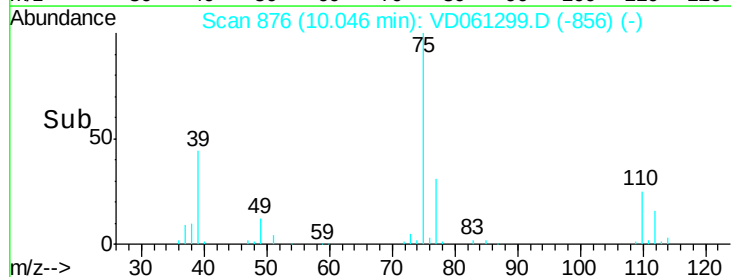
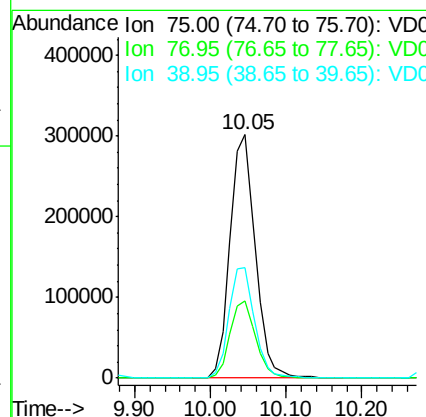
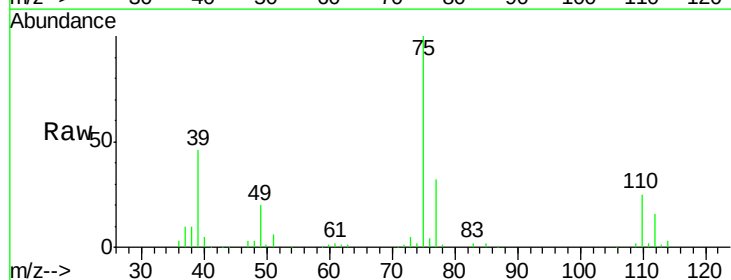
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

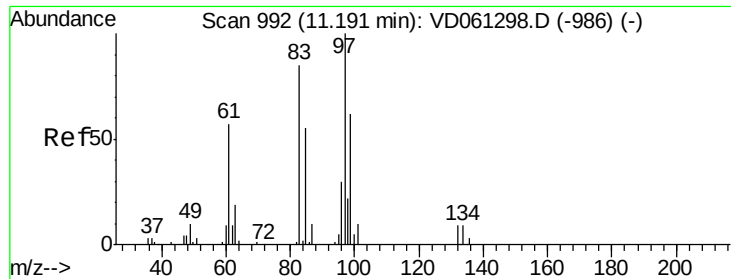
Tgt Ion: 75 Resp: 600010
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 63.840 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion: 75 Resp: 699047
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.9 37.3
 39 45.6 36.0 54.0

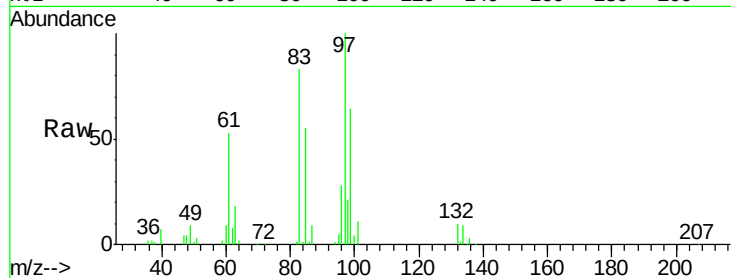




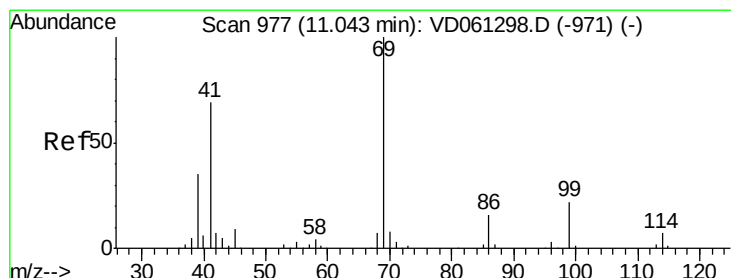
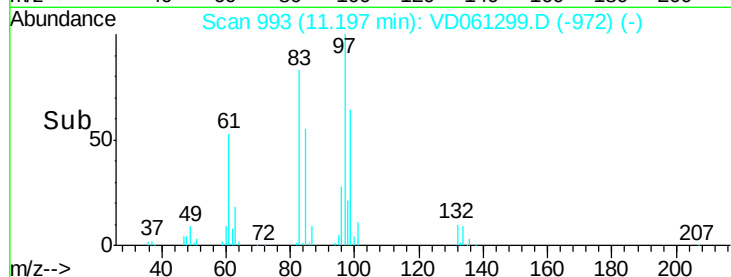
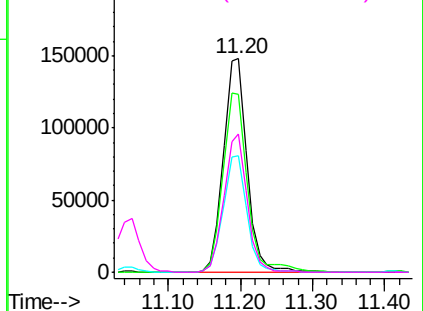
#55
 1,1,2-Trichloroethane
 Concen: 63.837 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 97 Resp: 337453
 Ion Ratio Lower Upper
 97 100
 83 83.1 67.7 101.5
 85 54.8 43.8 65.8
 99 64.5 49.8 74.6

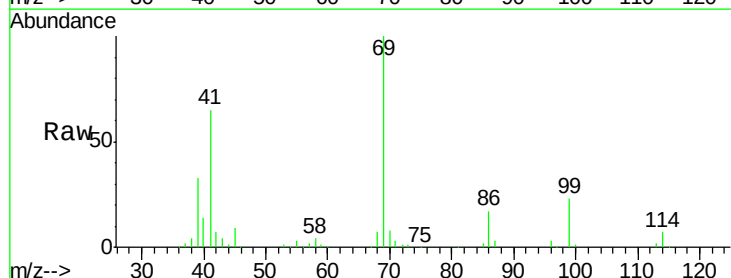


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

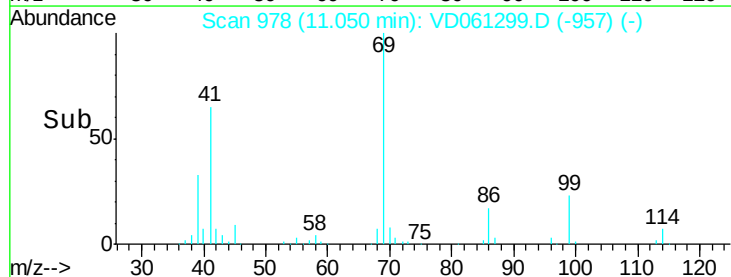
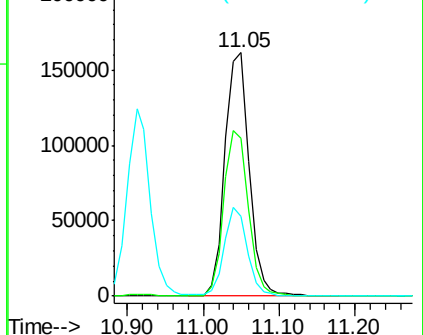


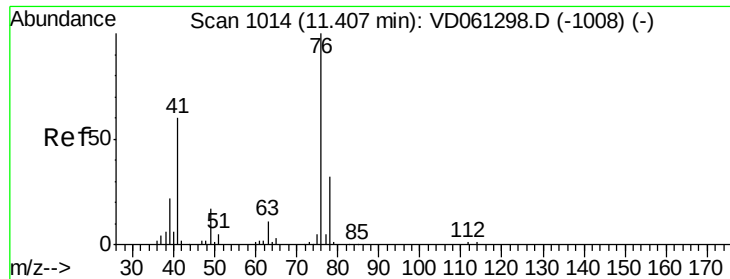
#56
 Ethyl methacrylate
 Concen: 63.656 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion: 69 Resp: 359069
 Ion Ratio Lower Upper
 69 100
 41 64.7 54.9 82.3
 39 32.6 28.5 42.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 65.086 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

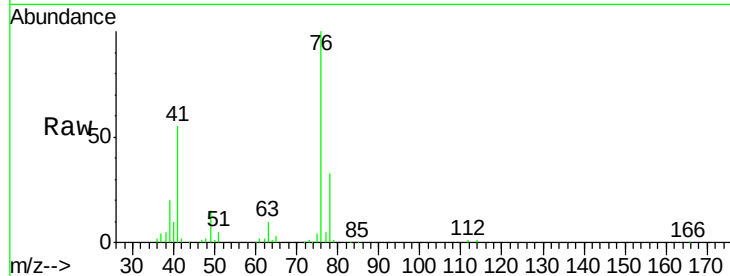
VSTDIC075

Tgt Ion: 76 Resp: 519611

Ion Ratio Lower Upper

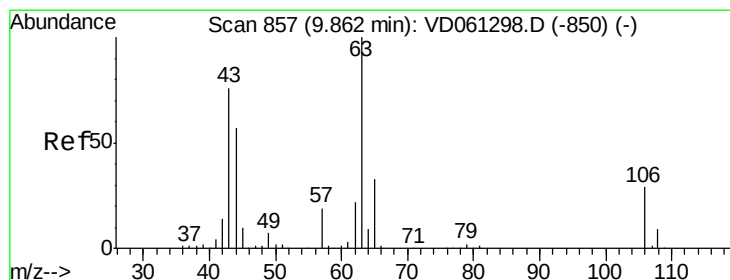
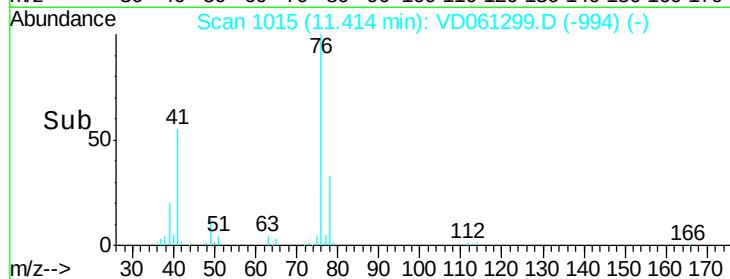
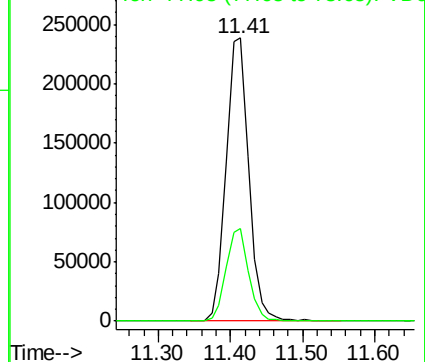
76 100

78 32.5 25.7 38.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 350.914 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061299.D

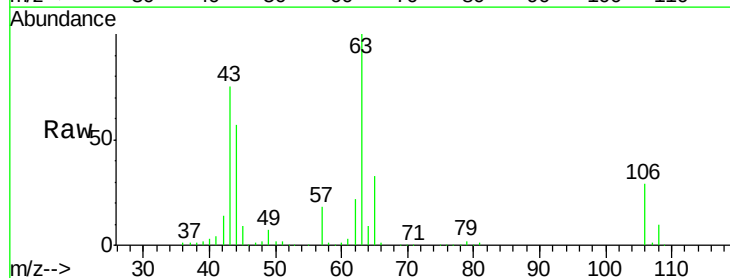
Acq: 25 Mar 2019 12:42

Tgt Ion: 63 Resp: 1029771

Ion Ratio Lower Upper

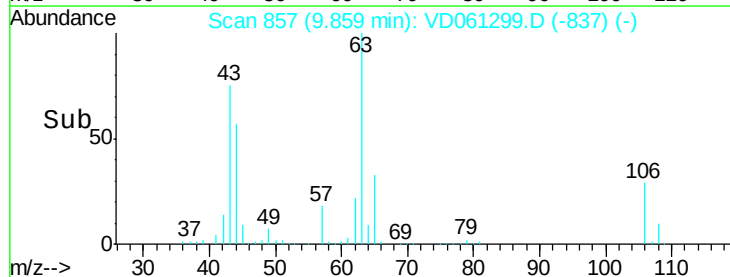
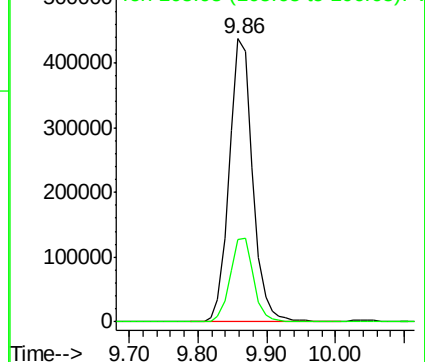
63 100

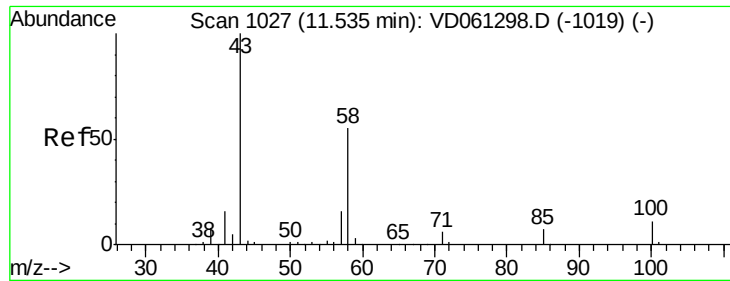
106 29.3 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

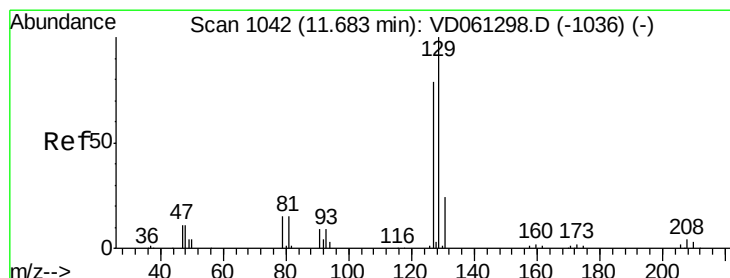
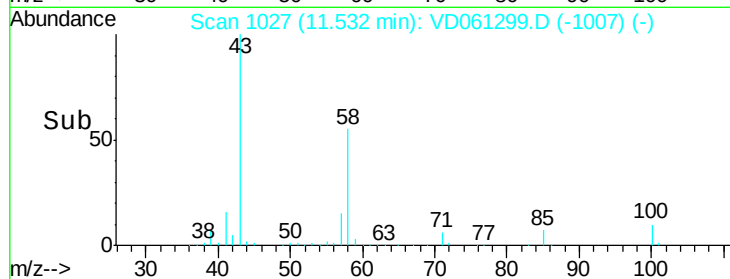
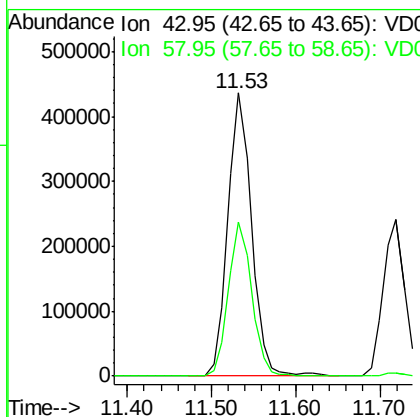
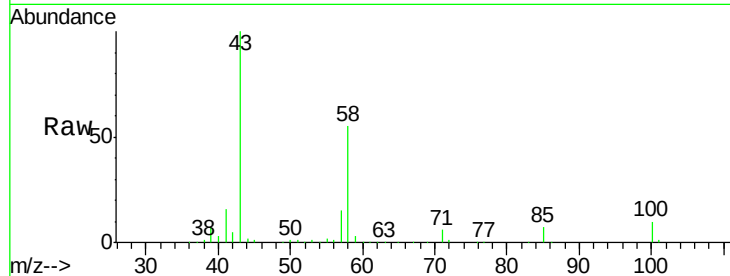




#59
2-Hexanone
Concen: 314.550 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

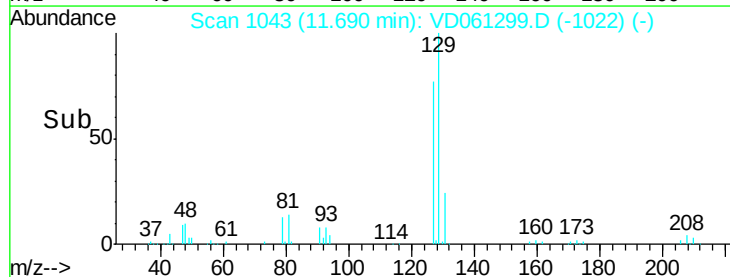
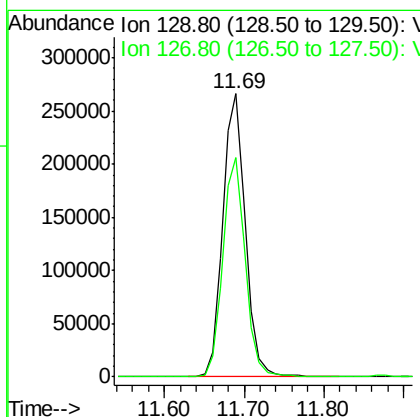
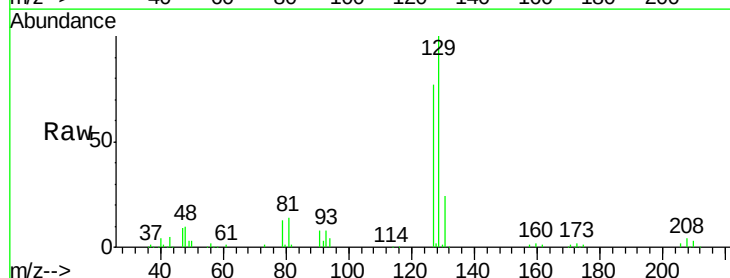
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

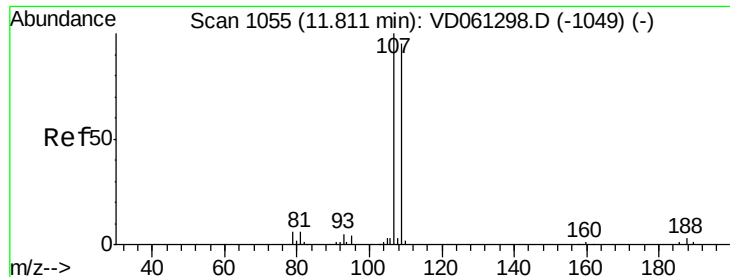
Tgt Ion: 43 Resp: 858170
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.0



#60
Dibromochloromethane
Concen: 64.327 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 129 Resp: 532605
Ion Ratio Lower Upper
129 100
127 77.5 39.6 119.0

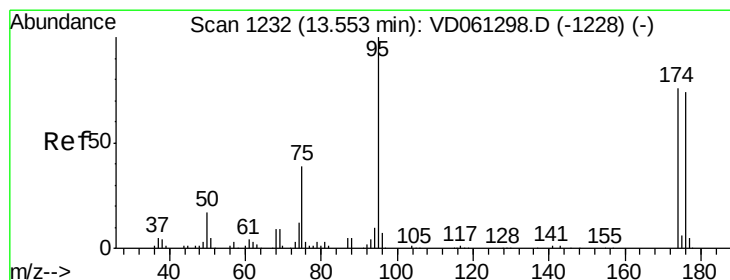
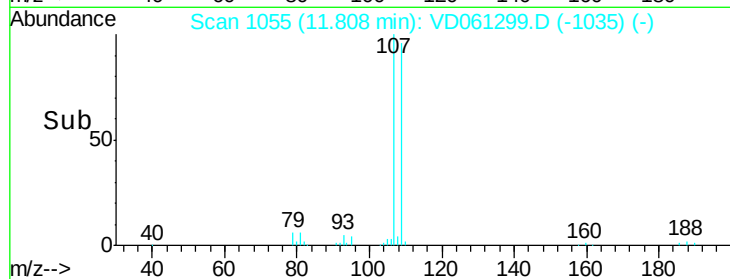
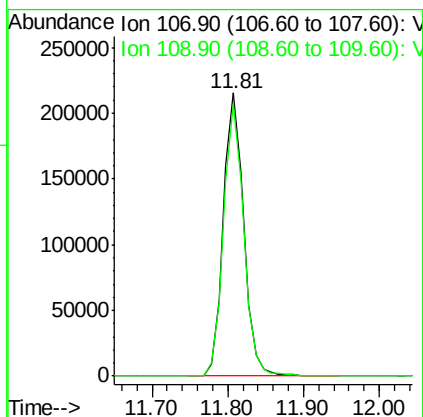
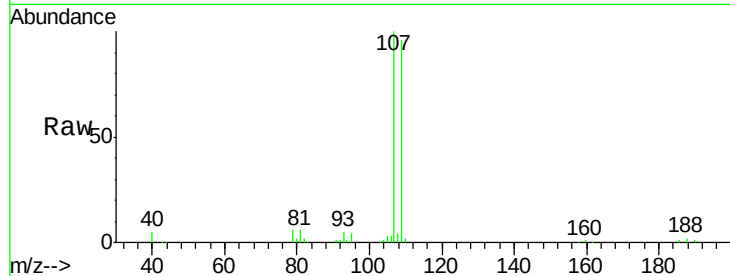




#61
1,2-Dibromoethane
Concen: 65.318 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

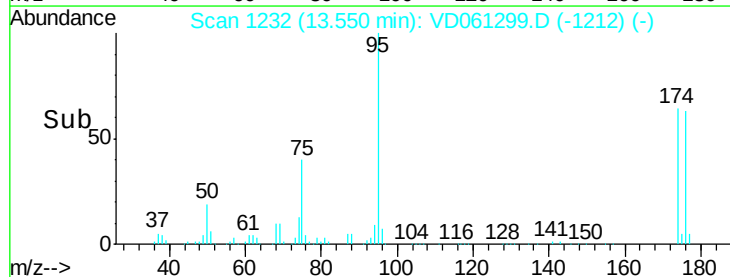
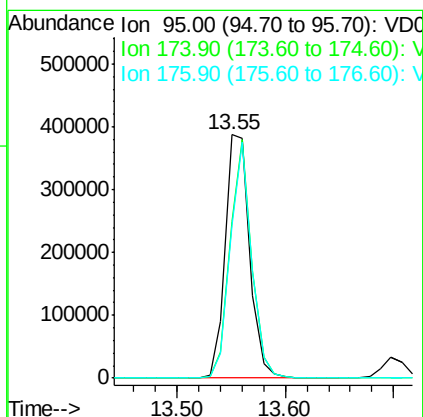
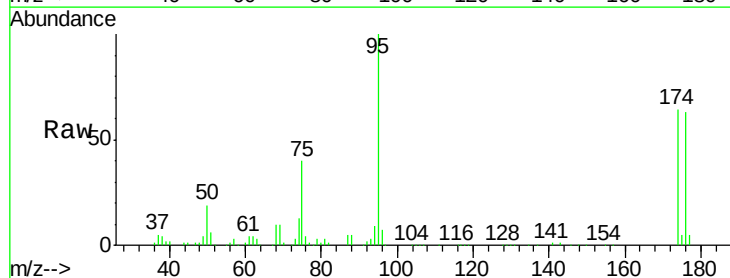
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

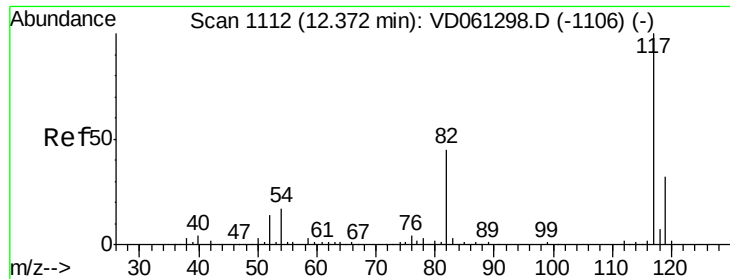
Tgt Ion: 107 Resp: 403426
Ion Ratio Lower Upper
107 100
109 96.0 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 65.318 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 95 Resp: 608431
Ion Ratio Lower Upper
95 100
174 64.2 0.0 151.8
176 62.7 0.0 148.0

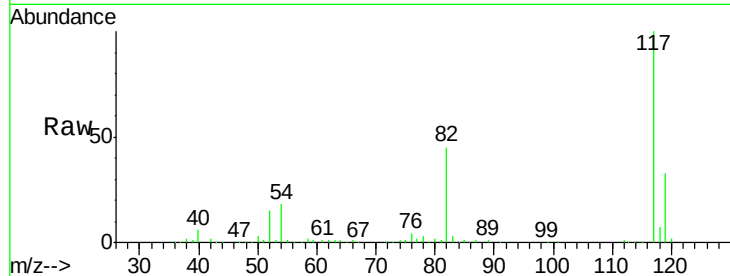




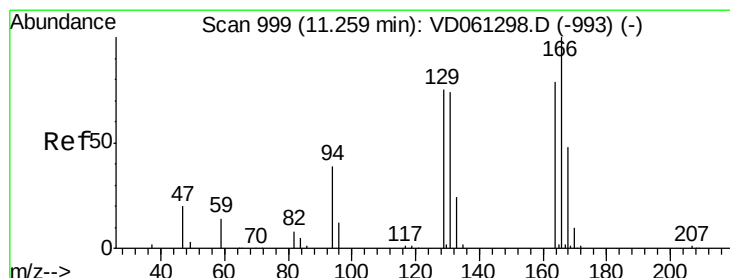
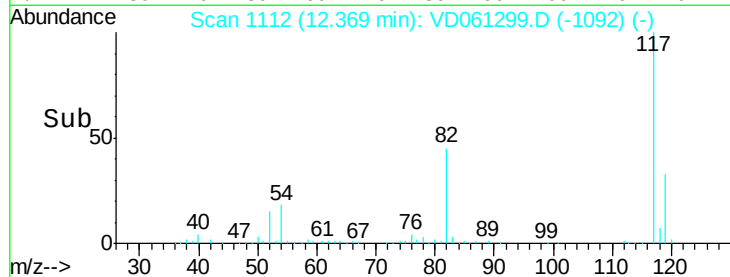
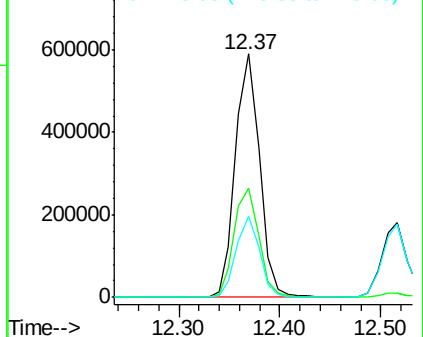
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 989397
Ion Ratio Lower Upper
117 100
82 44.9 35.7 53.5
119 33.2 25.9 38.9

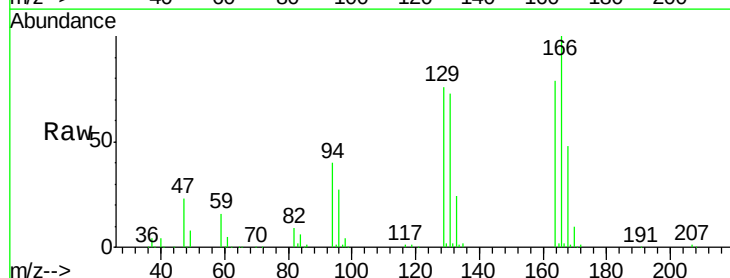


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

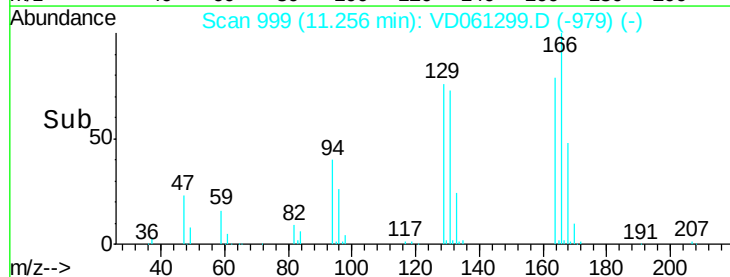
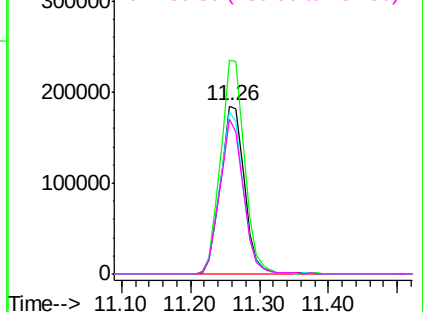


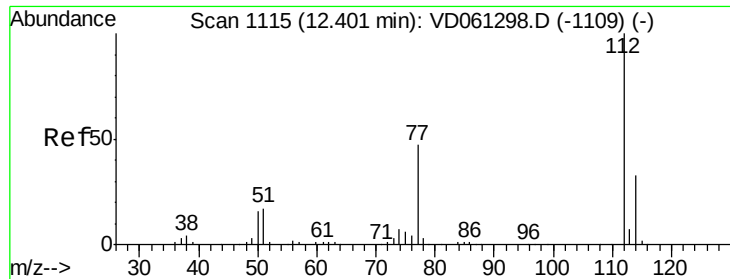
#64
Tetrachloroethene
Concen: 65.129 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion:164 Resp: 443899
Ion Ratio Lower Upper
164 100
166 127.3 101.6 152.4
129 96.6 75.9 113.9
131 92.6 75.3 112.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 64.724 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

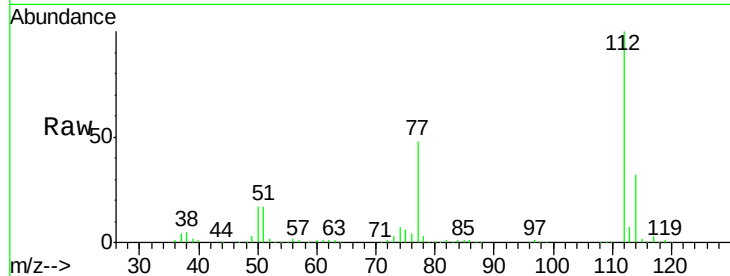
VSTDIC075

Tgt Ion:112 Resp: 1179474

Ion Ratio Lower Upper

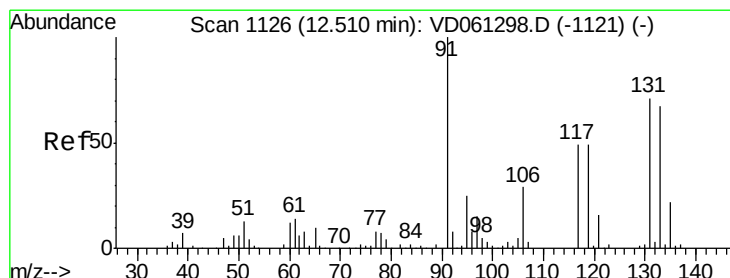
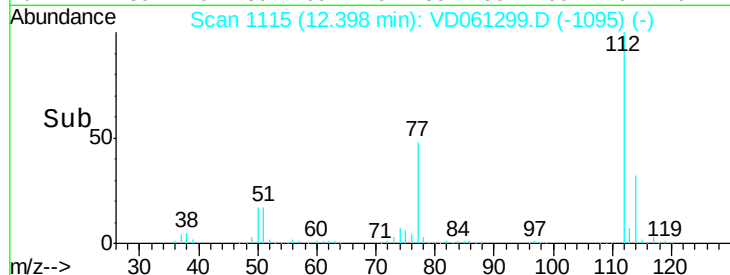
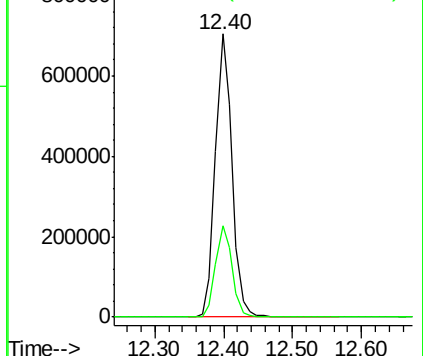
112 100

114 32.5 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 64.288 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

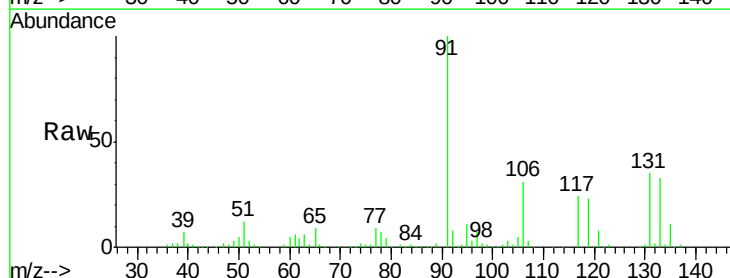
Tgt Ion:131 Resp: 454225

Ion Ratio Lower Upper

131 100

133 95.9 47.0 141.2

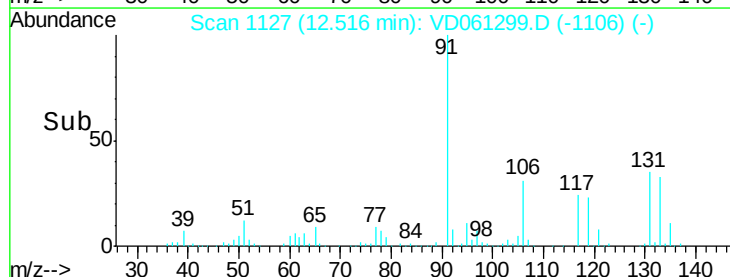
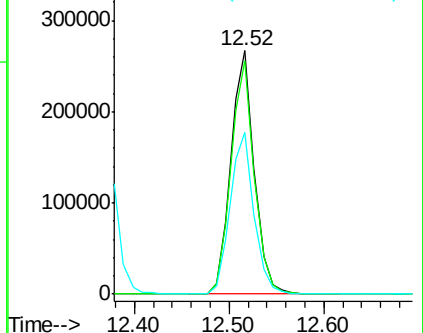
119 66.5 34.8 104.5

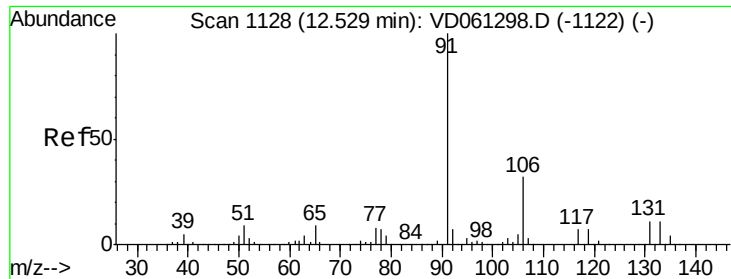


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

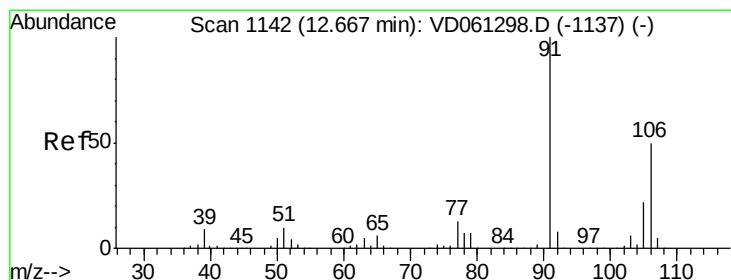
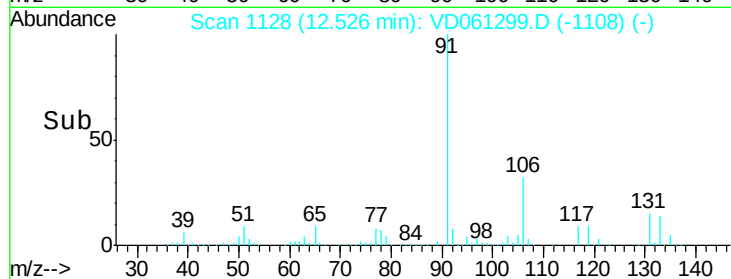
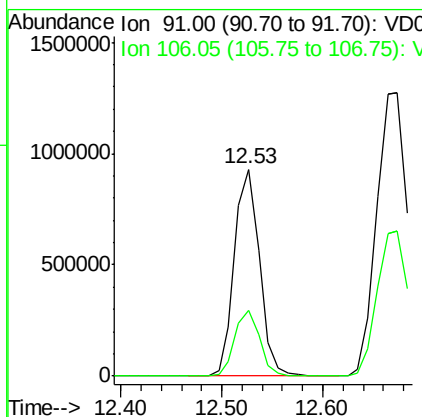
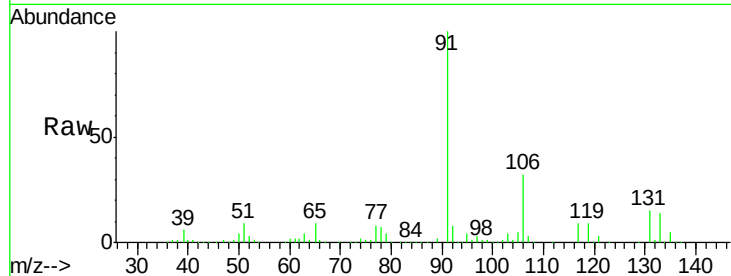




#67
Ethyl Benzene
Concen: 57.725 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

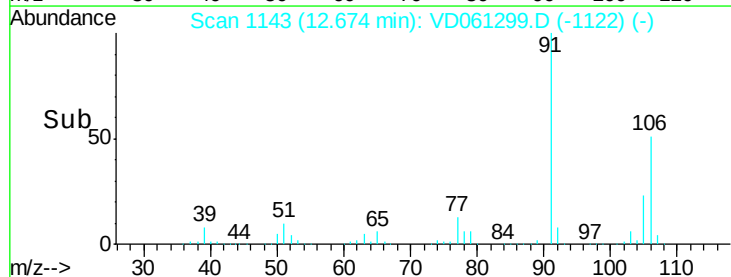
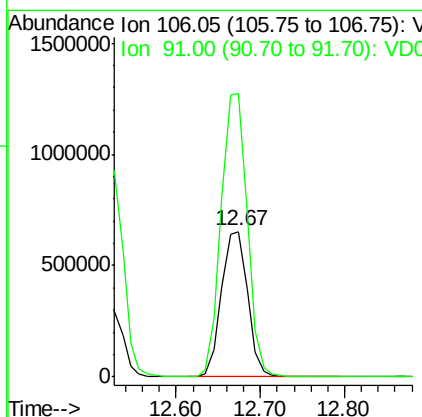
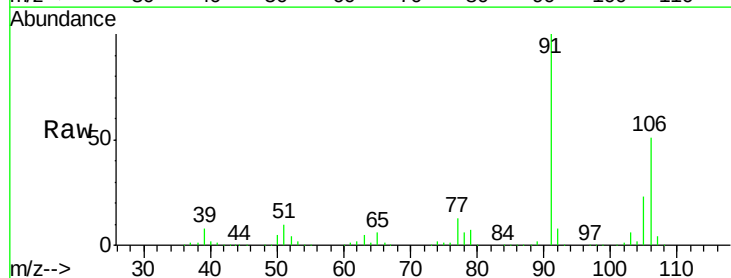
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

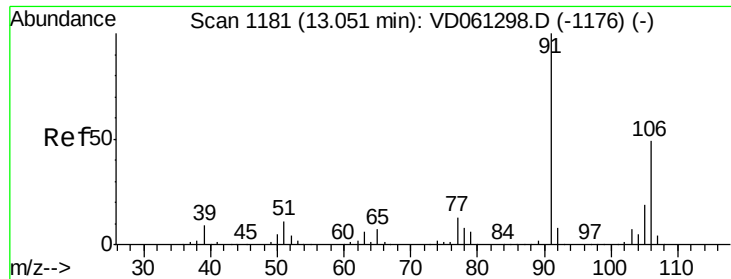
Tgt Ion: 91 Resp: 1609928
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8



#68
m/p-Xylenes
Concen: 129.012 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 106 Resp: 1404529
Ion Ratio Lower Upper
106 100
91 194.6 159.2 238.8

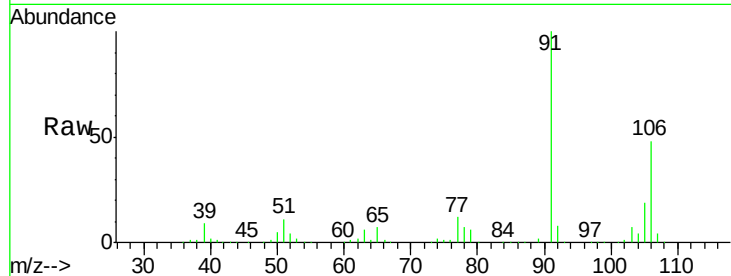




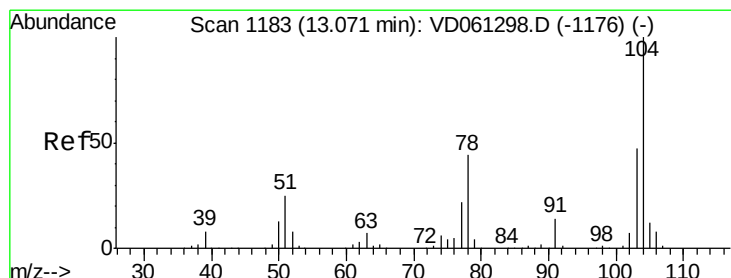
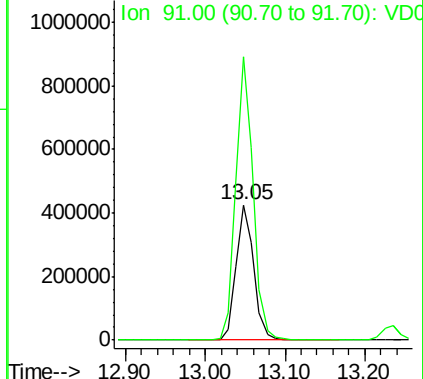
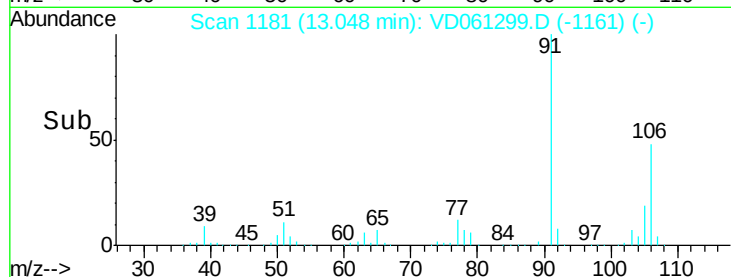
#69
o-Xylene
Concen: 65.471 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 661061
Ion Ratio Lower Upper
106 100
91 209.1 102.5 307.5

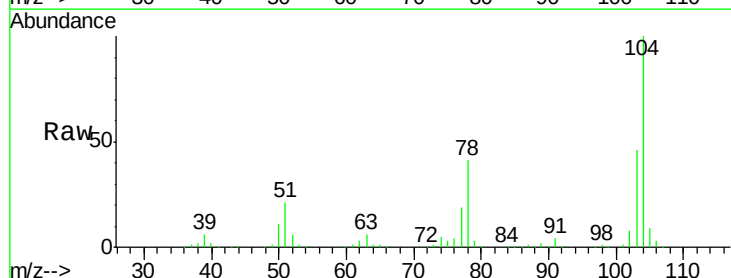


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

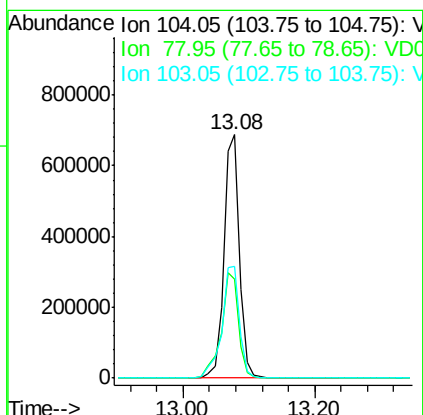
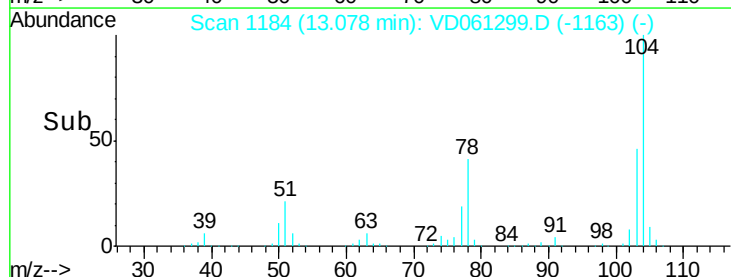


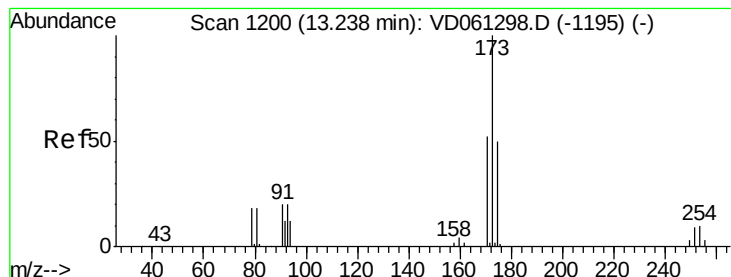
#70
Styrene
Concen: 65.337 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion:104 Resp: 1119655
Ion Ratio Lower Upper
104 100
78 40.6 35.1 52.7
103 45.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 66.853 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

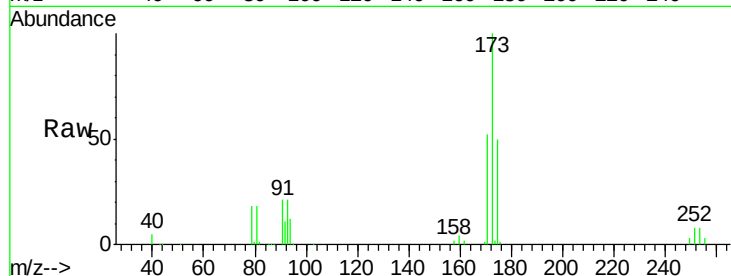
Tgt Ion:173 Resp: 289047

Ion Ratio Lower Upper

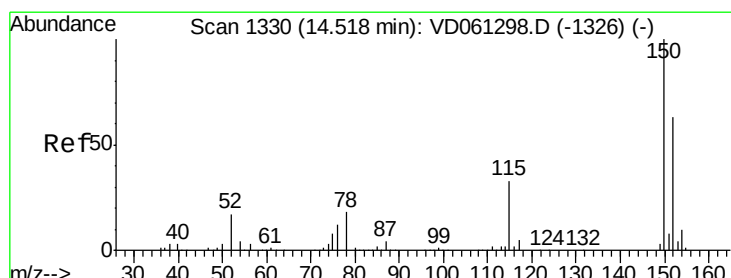
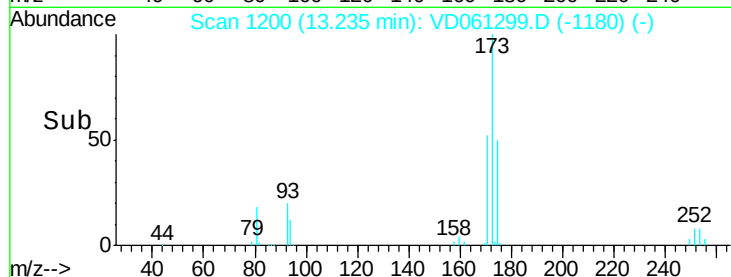
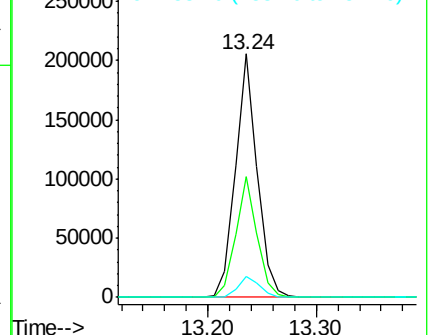
173 100

175 49.7 24.9 74.7

254 8.3 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

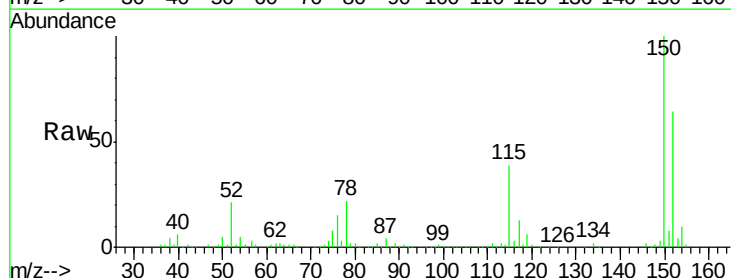
Tgt Ion:152 Resp: 455865

Ion Ratio Lower Upper

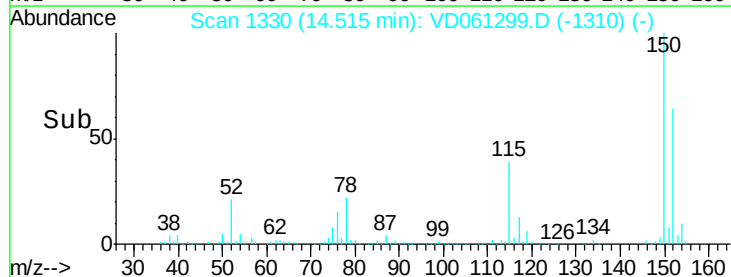
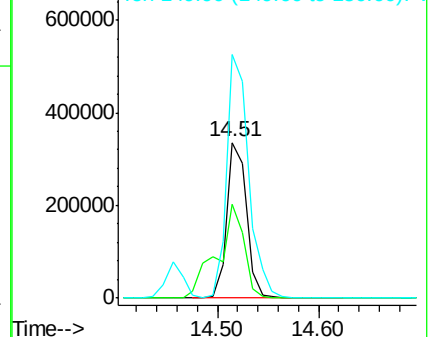
152 100

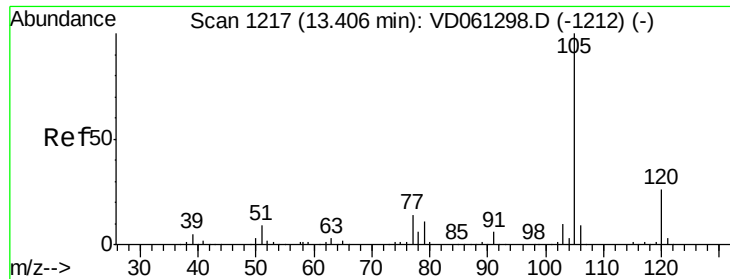
115 60.4 29.2 87.6

150 156.8 0.0 319.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.011 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

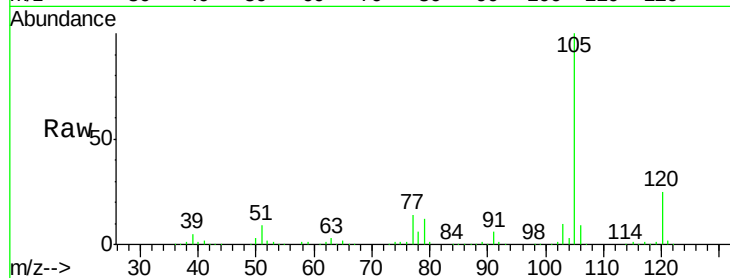
VSTDIC075

Tgt Ion:105 Resp: 1720061

Ion Ratio Lower Upper

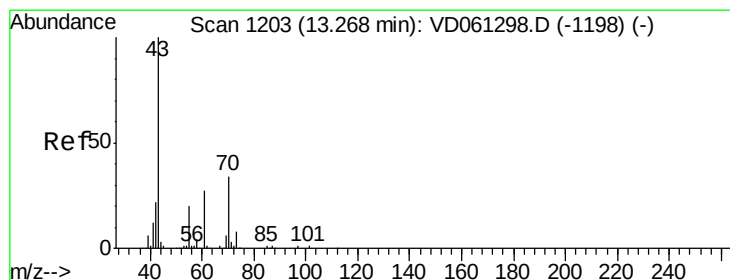
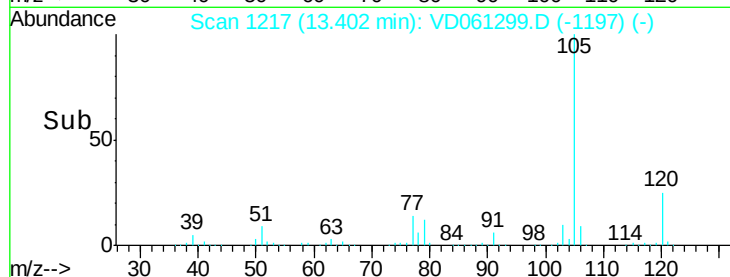
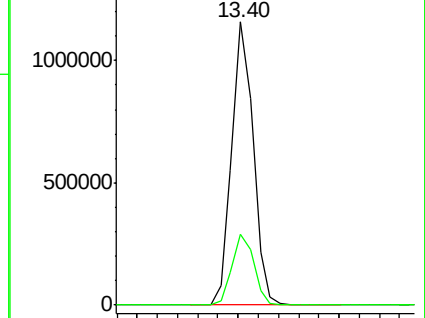
105 100

120 25.2 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 59.384 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Tgt Ion: 43 Resp: 460661

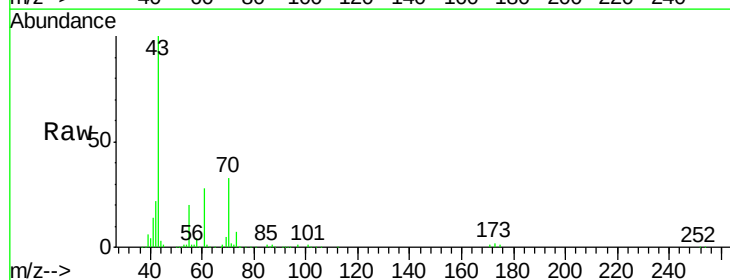
Ion Ratio Lower Upper

43 100

70 33.0 27.5 41.3

55 19.5 15.7 23.5

61 28.3 21.8 32.6

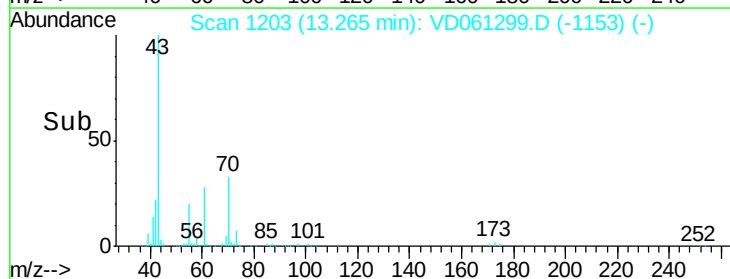
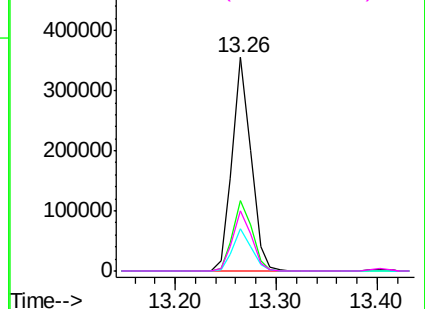


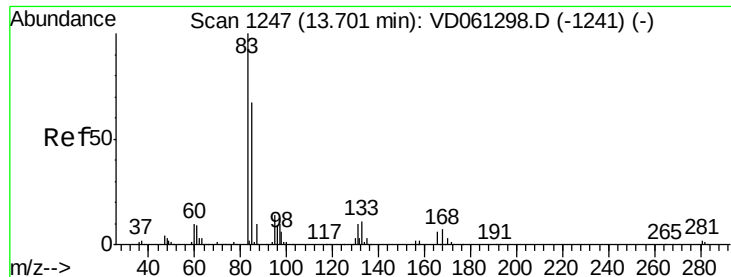
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 60.322 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

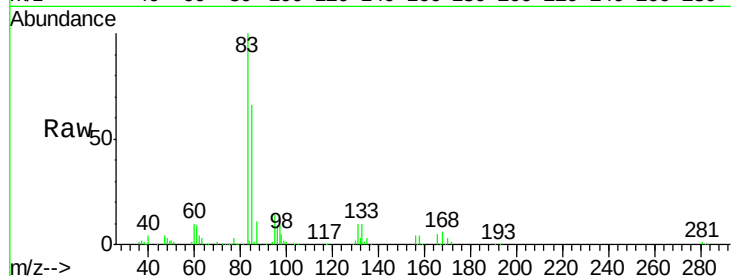
Tgt Ion: 83 Resp: 346847

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

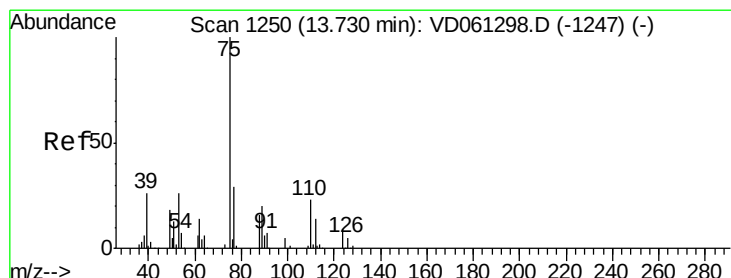
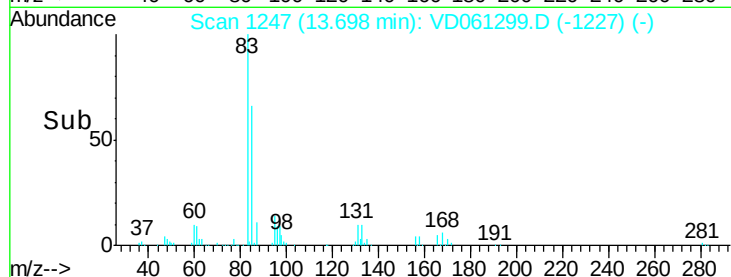
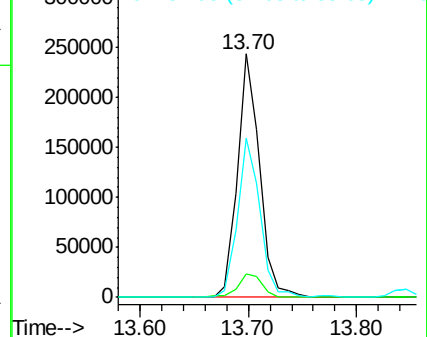
85 65.6 33.4 100.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 64.255 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061299.D

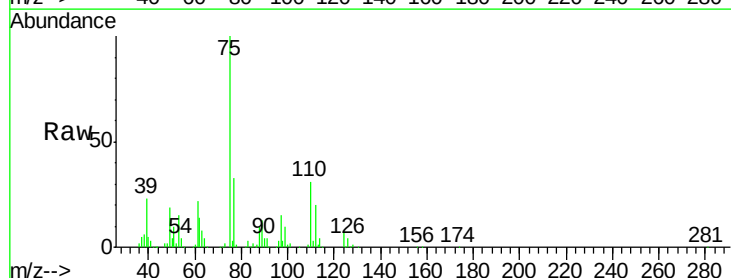
Acq: 25 Mar 2019 12:42

Tgt Ion: 75 Resp: 364278

Ion Ratio Lower Upper

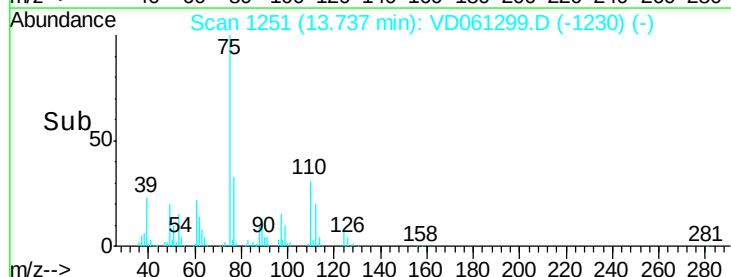
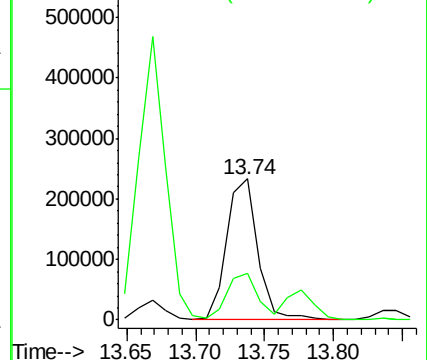
75 100

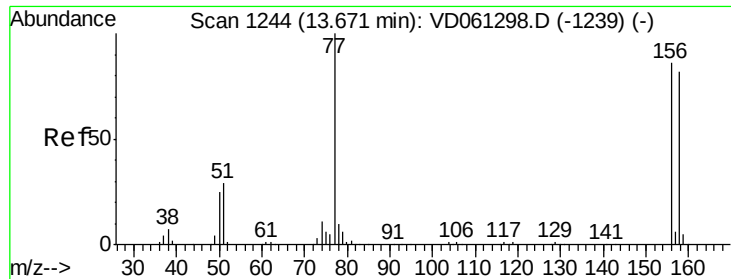
77 33.0 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 62.797 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061299.D

Acq: 25 Mar 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

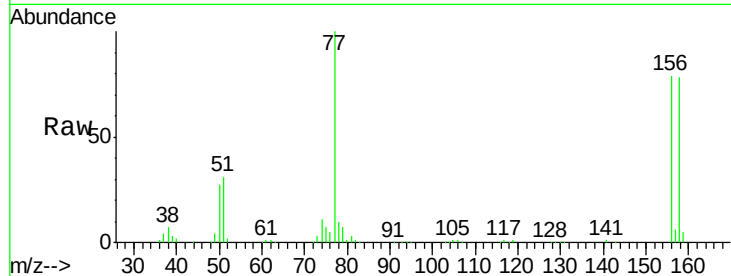
Tgt Ion:156 Resp: 520099

Ion Ratio Lower Upper

156 100

77 126.2 58.4 175.1

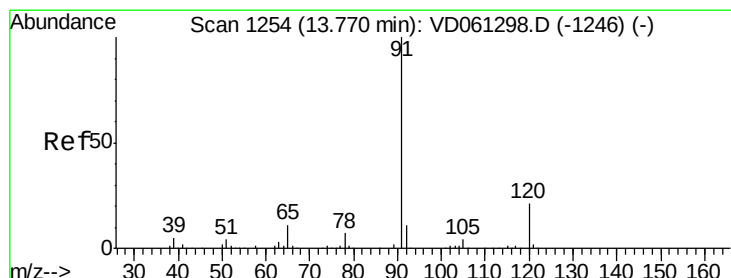
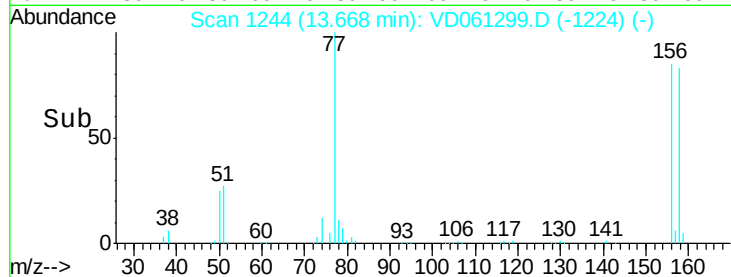
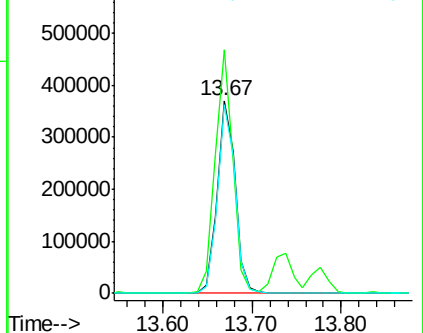
158 98.0 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 58.245 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061299.D

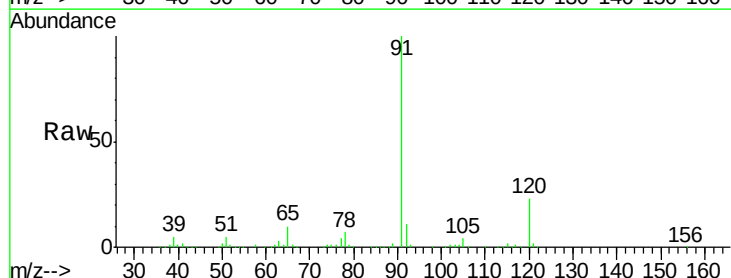
Acq: 25 Mar 2019 12:42

Tgt Ion: 91 Resp: 1948396

Ion Ratio Lower Upper

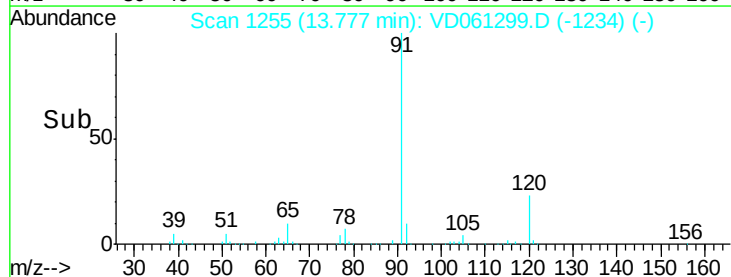
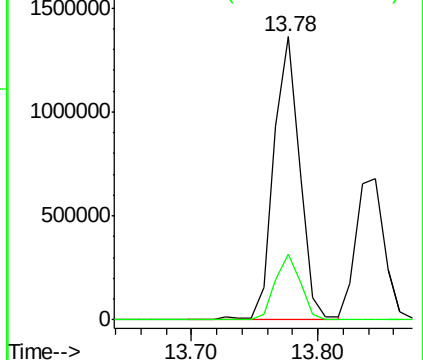
91 100

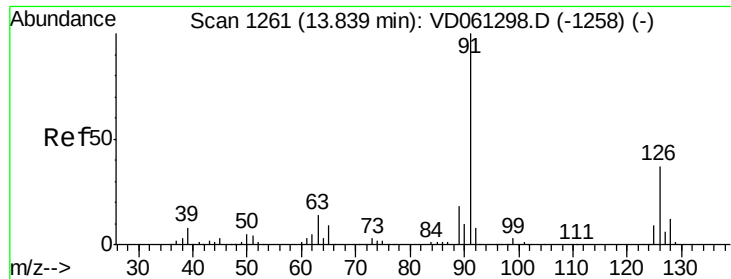
120 23.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

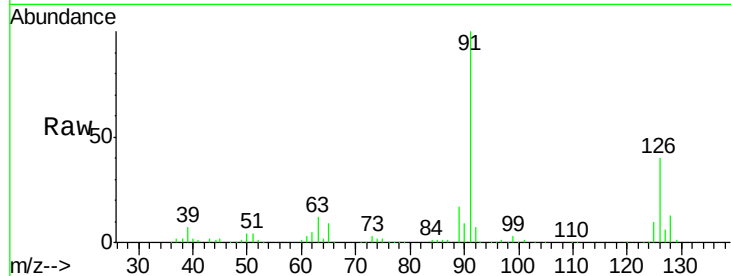




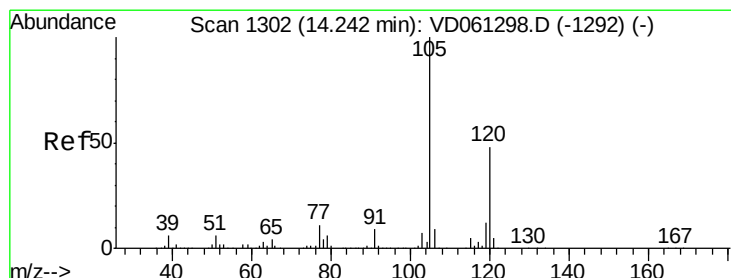
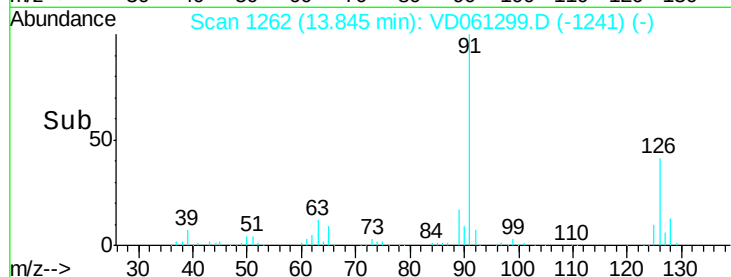
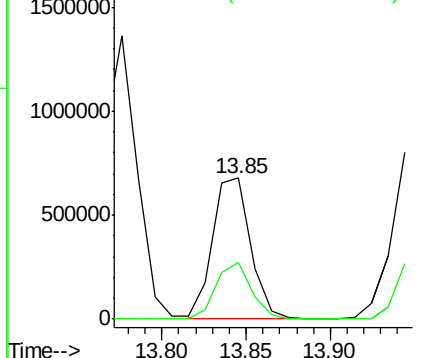
#79
 2-Chlorotoluene
 Concen: 54.525 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 91 Resp: 1059841
 Ion Ratio Lower Upper
 91 100
 126 40.5 18.4 55.4

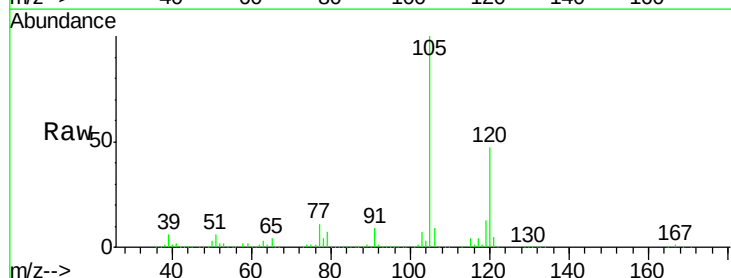


Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061299.D (-1241) (-)

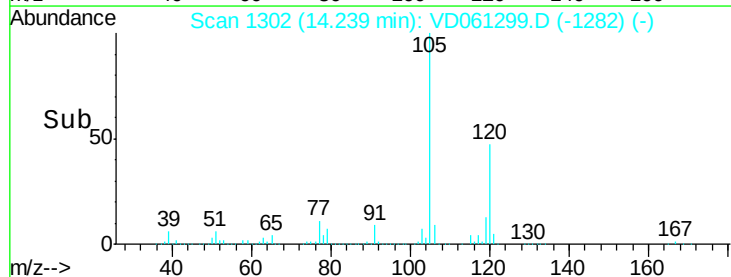
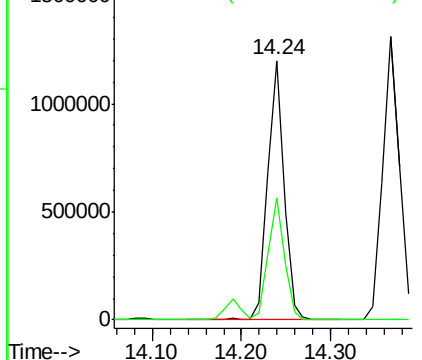


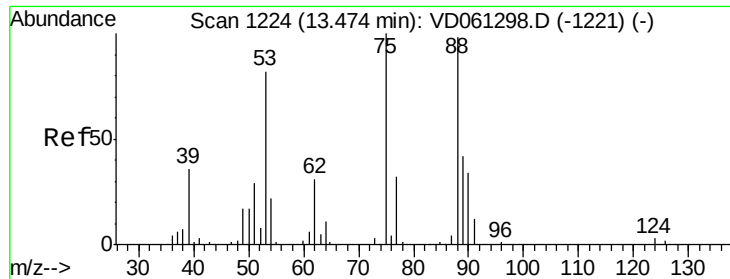
#80
 1,3,5-Trimethylbenzene
 Concen: 64.601 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion: 105 Resp: 1511060
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)
 Ion 120.05 (119.75 to 120.75): VD061299.D (-1282) (-)

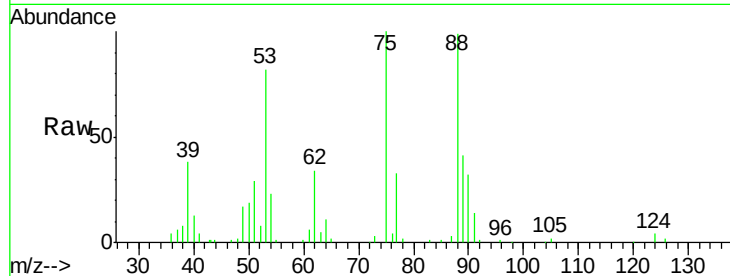




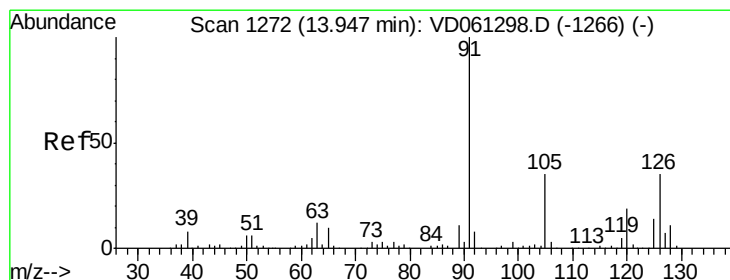
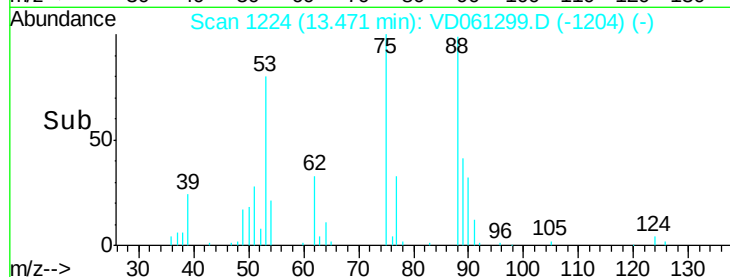
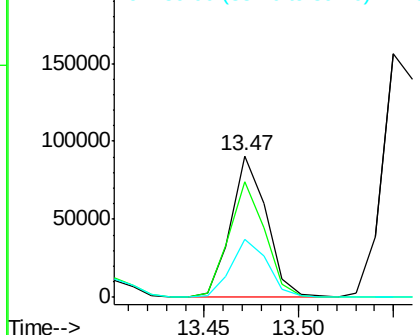
#81
trans-1,4-Dichloro-2-butene
Concen: 66.324 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 75 Resp: 118663
Ion Ratio Lower Upper
75 100
53 81.6 65.3 97.9
89 41.2 33.8 50.6

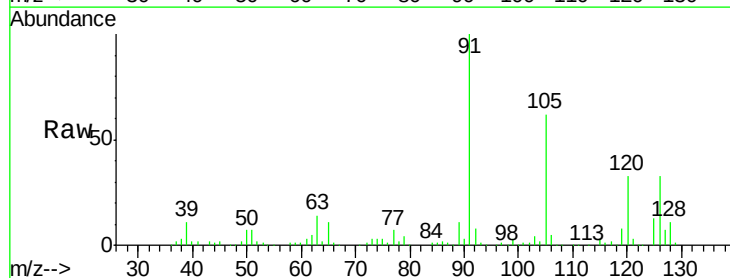


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

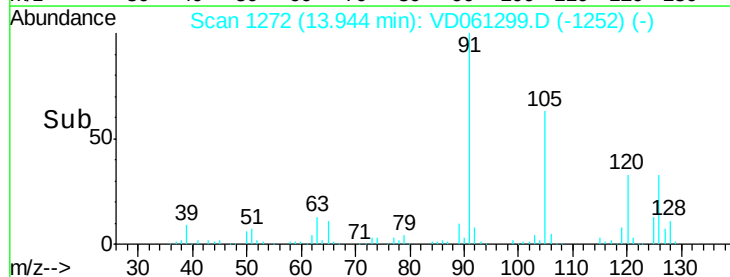
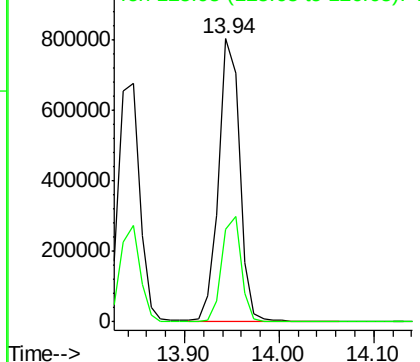


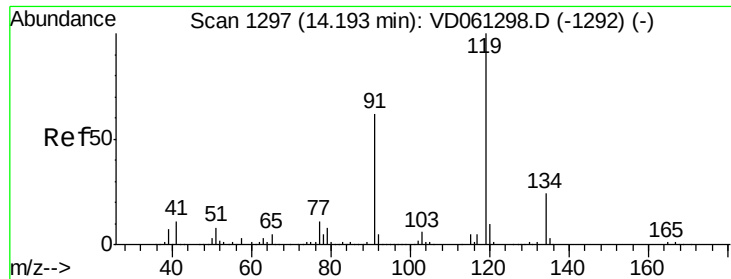
#82
4-Chlorotoluene
Concen: 58.055 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 91 Resp: 1236147
Ion Ratio Lower Upper
91 100
126 32.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

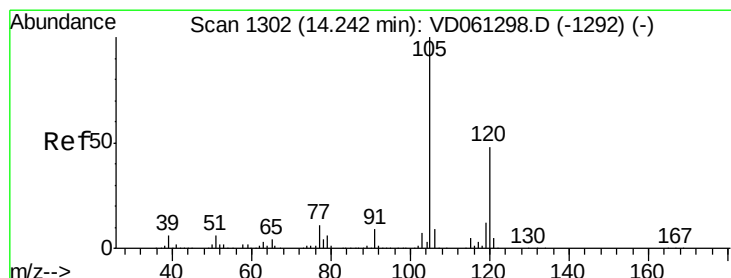
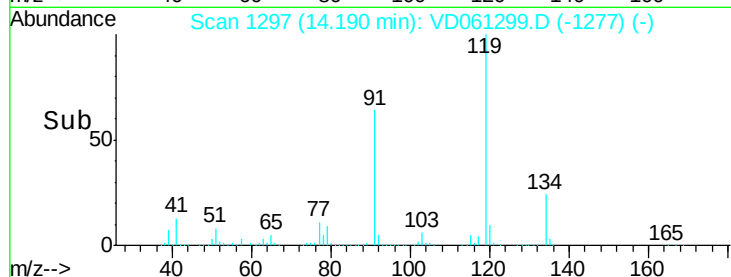
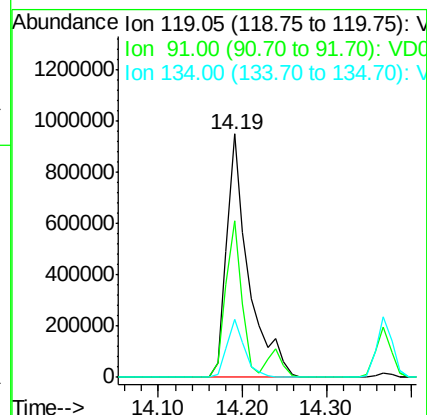
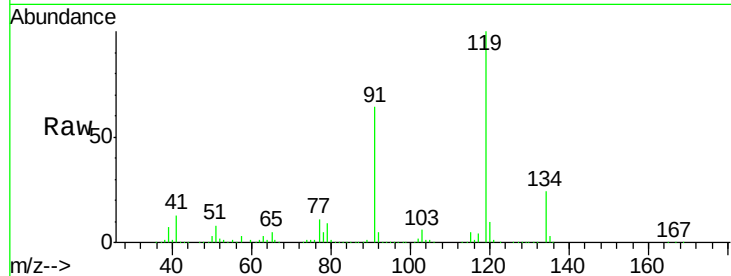




#83
 tert-Butylbenzene
 Concen: 64.717 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

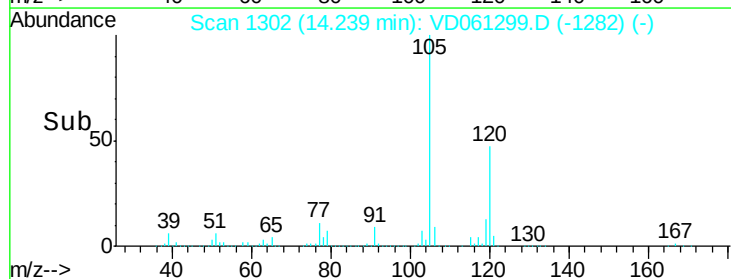
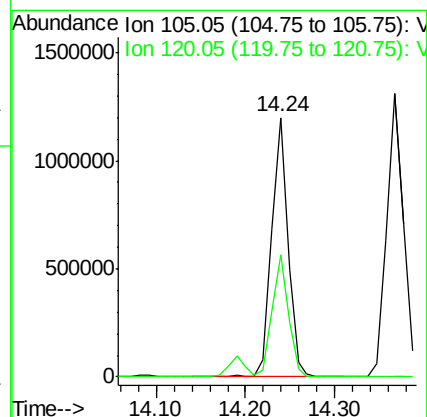
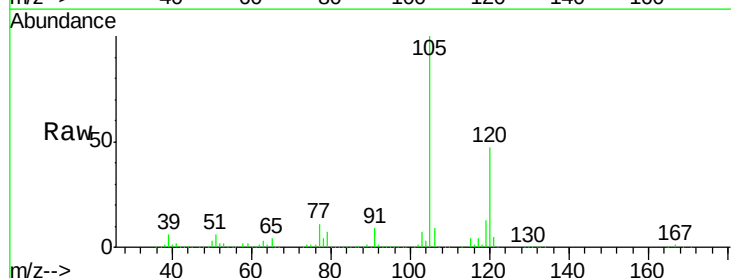
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

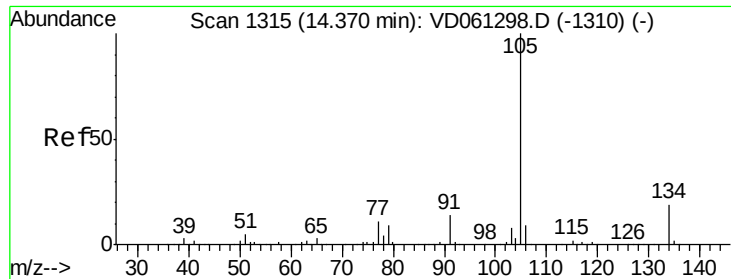
Tgt Ion:119 Resp: 1728389
 Ion Ratio Lower Upper
 119 100
 91 64.2 31.1 93.5
 134 23.9 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 64.601 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion:105 Resp: 1511060
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.8 71.4

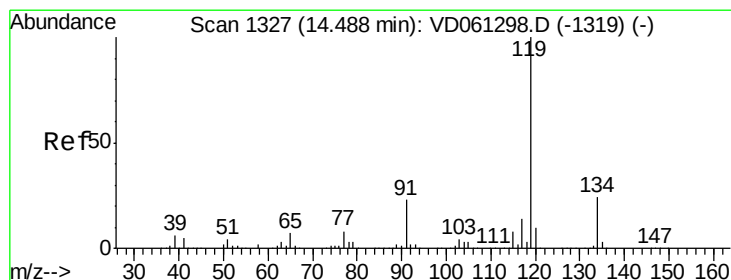
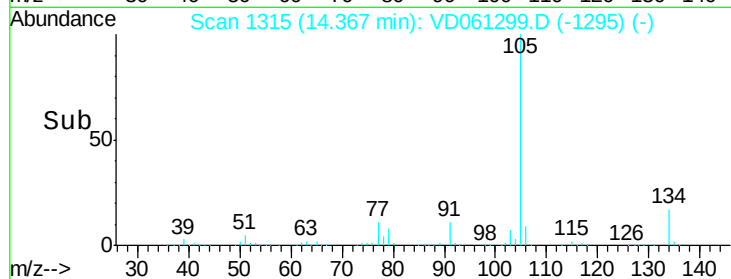
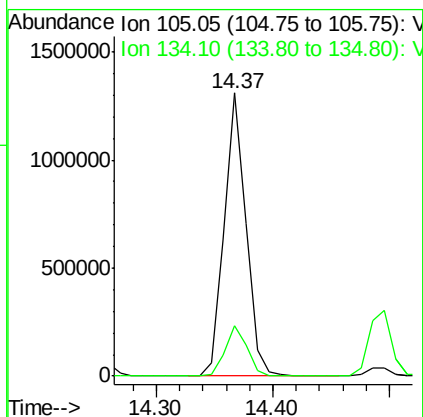
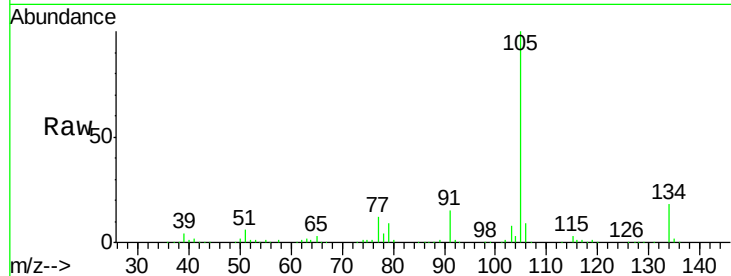




#85
 sec-Butylbenzene
 Concen: 56.830 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

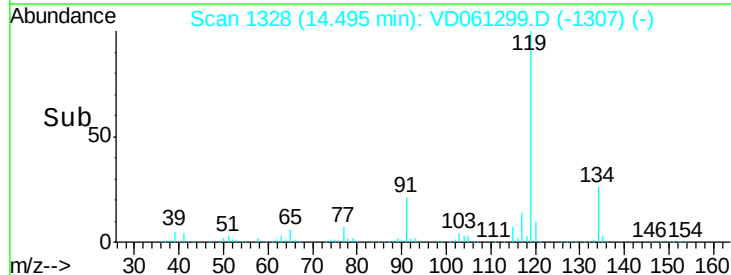
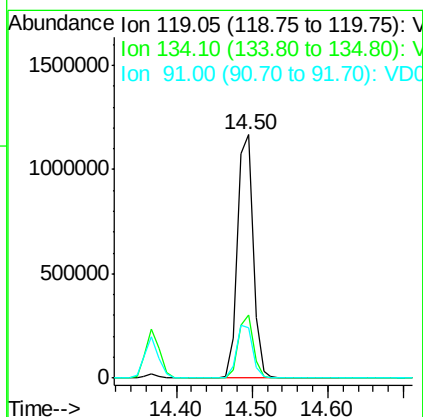
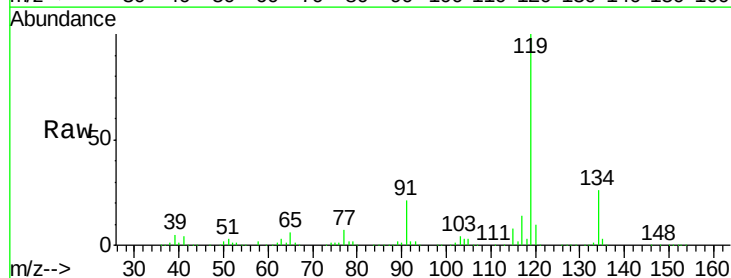
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

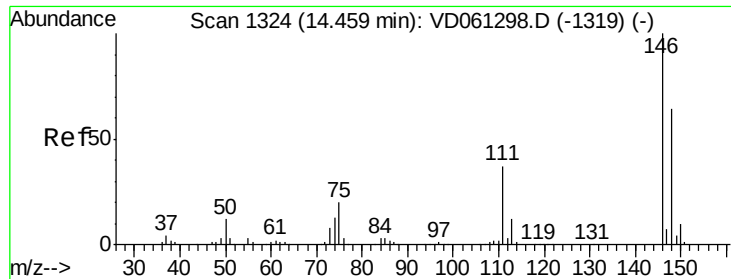
Tgt Ion:105 Resp: 1690270
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 62.044 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion:119 Resp: 1646355
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.1 36.3
 91 20.8 11.4 34.2

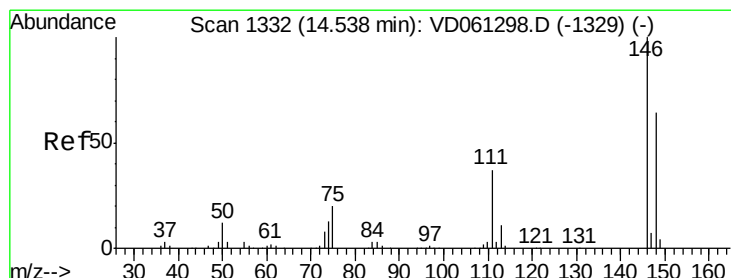
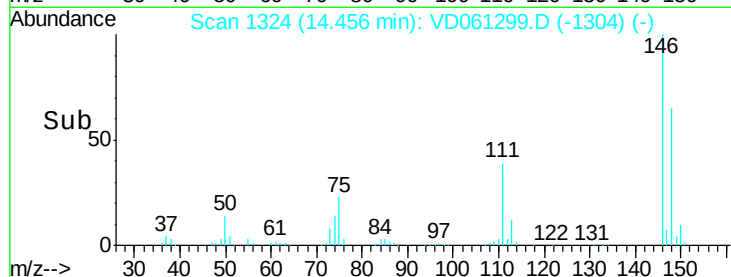
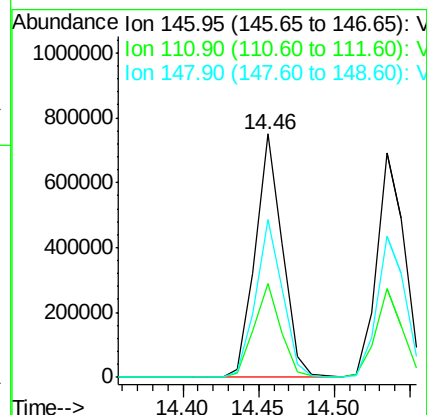
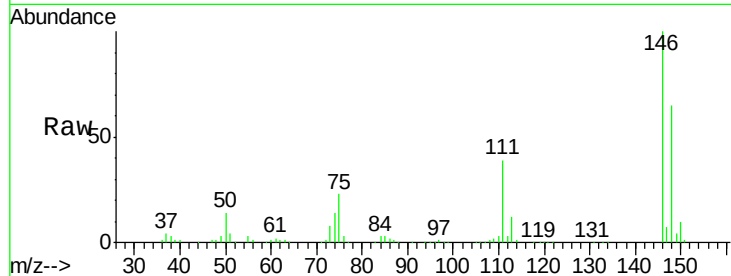




#87
 1,3-Dichlorobenzene
 Concen: 63.865 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

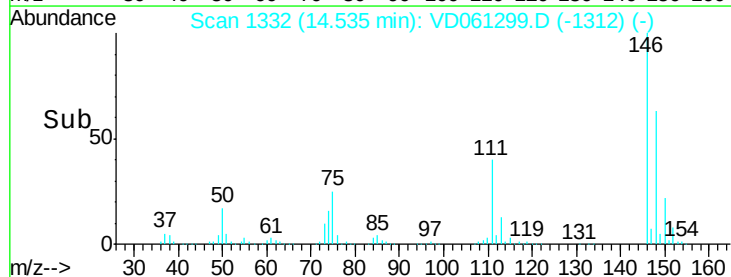
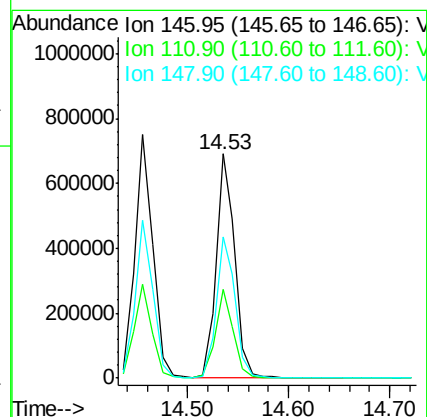
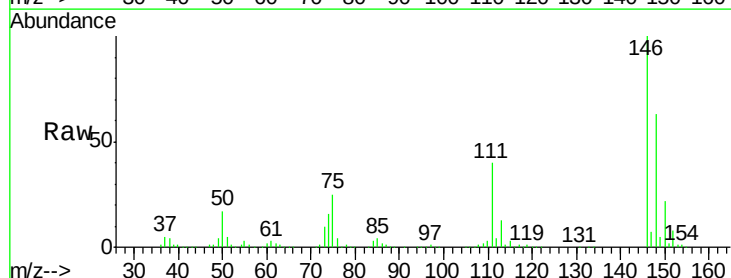
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

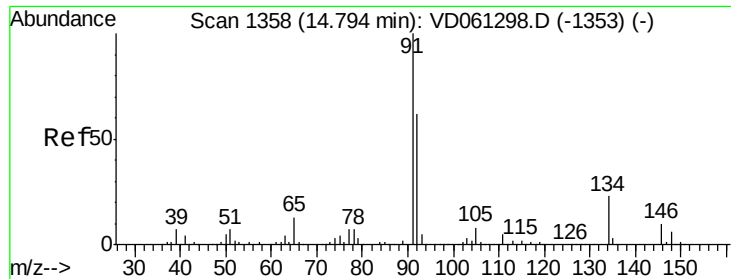
Tgt Ion:146 Resp: 937572
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.4 55.0
 148 64.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 62.465 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion:146 Resp: 888297
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.6 55.6
 148 62.9 31.9 95.5

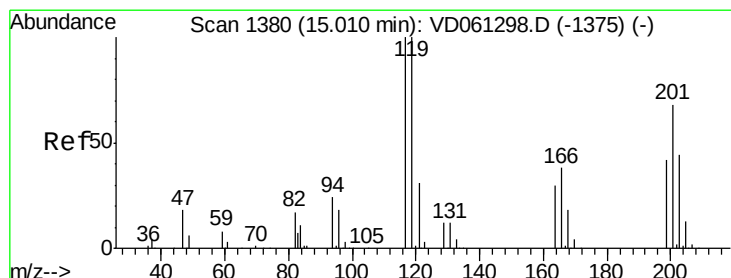
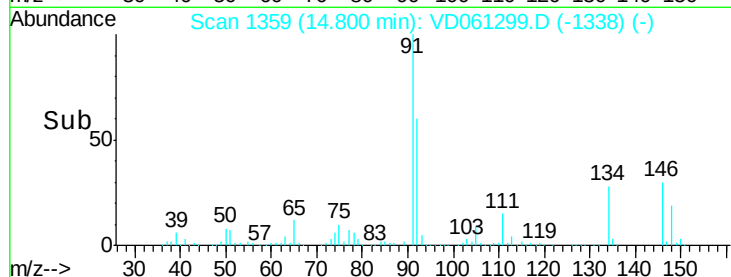
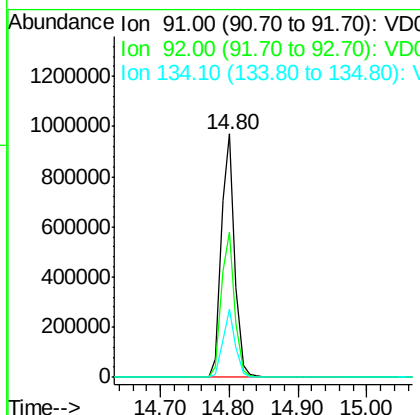
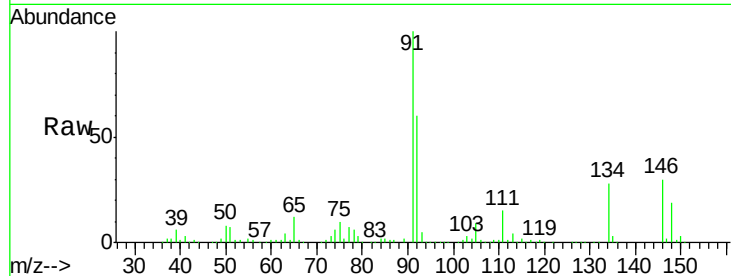




#89
n-Butylbenzene
Concen: 54.690 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

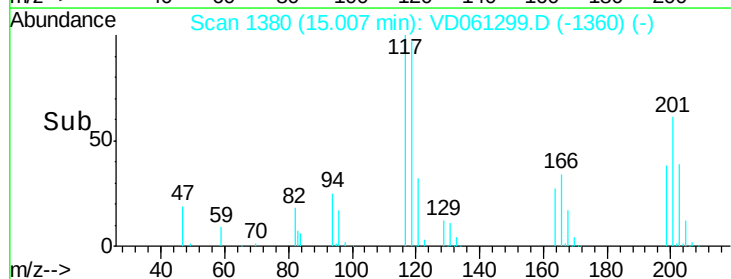
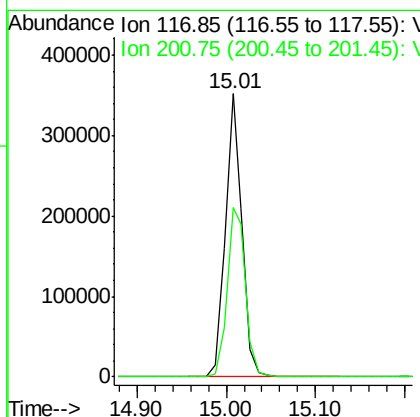
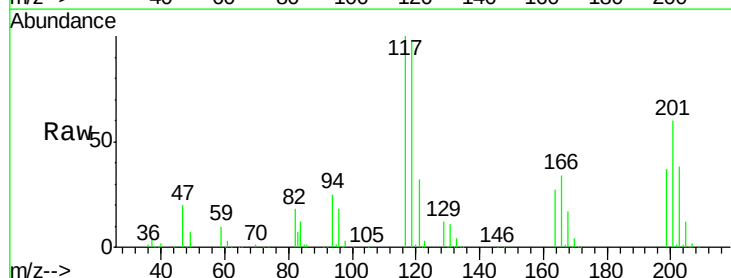
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

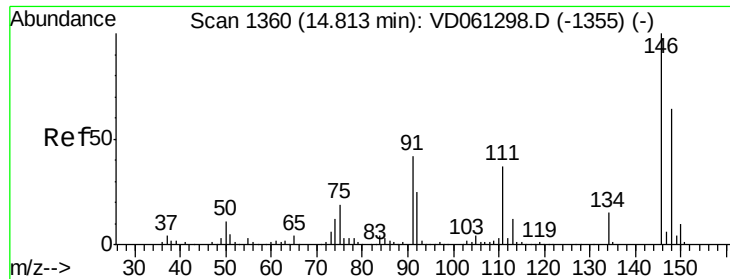
Tgt Ion: 91 Resp: 1288423
Ion Ratio Lower Upper
91 100
92 59.8 30.9 92.7
134 27.8 11.7 35.0



#90
Hexachloroethane
Concen: 64.881 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion: 117 Resp: 461595
Ion Ratio Lower Upper
117 100
201 59.9 34.0 101.8

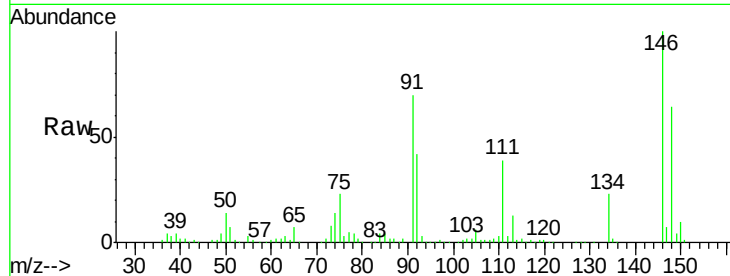




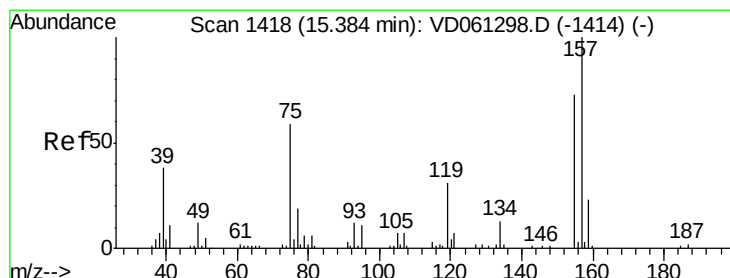
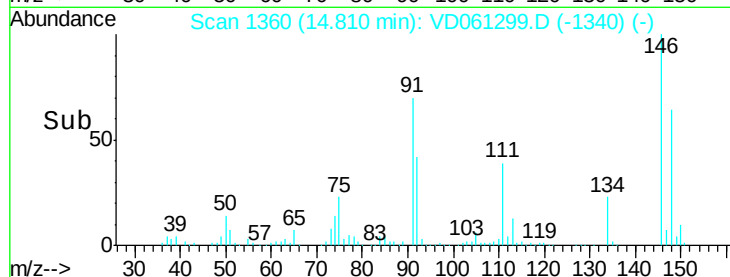
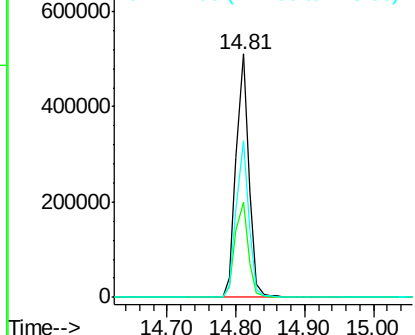
#91
 1,2-Dichlorobenzene
 Concen: 56.189 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:146 Resp: 658205
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.3 54.8
 148 64.3 31.9 95.7

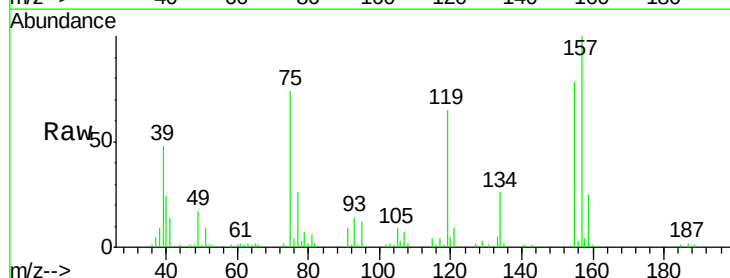


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

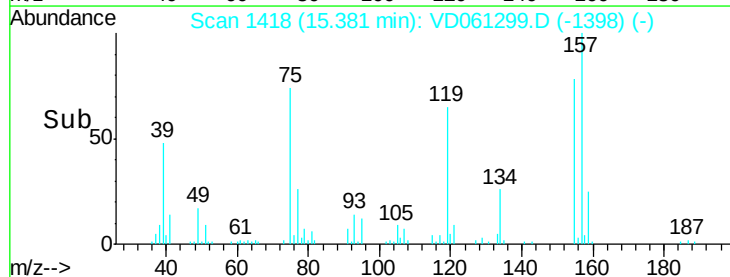
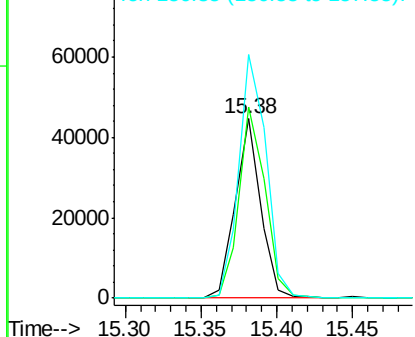


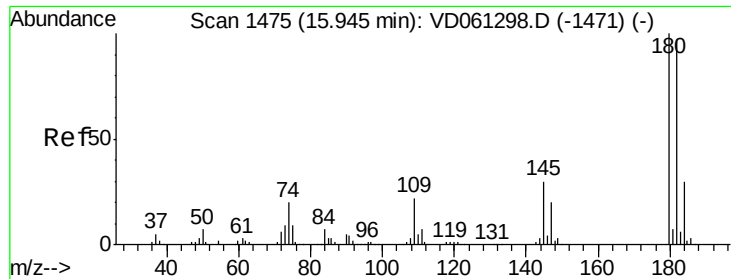
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.845 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion: 75 Resp: 51620
 Ion Ratio Lower Upper
 75 100
 155 106.7 61.9 185.7
 157 135.9 84.4 253.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

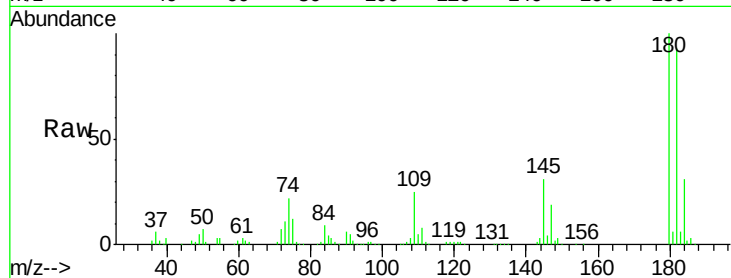




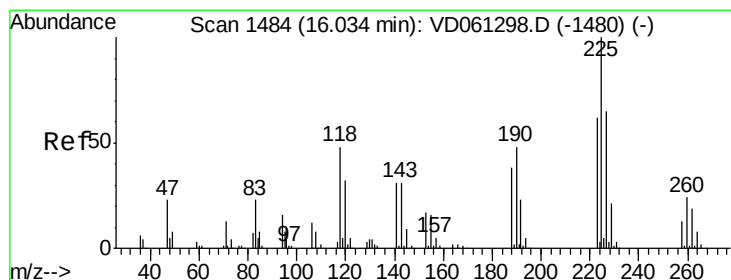
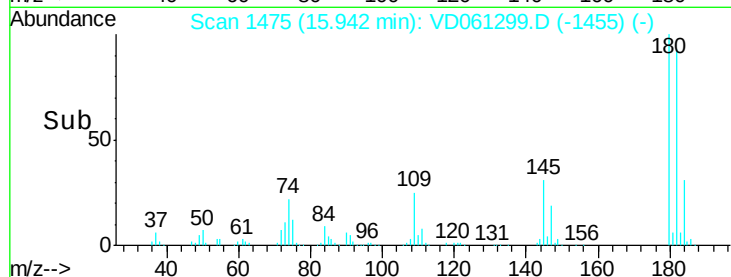
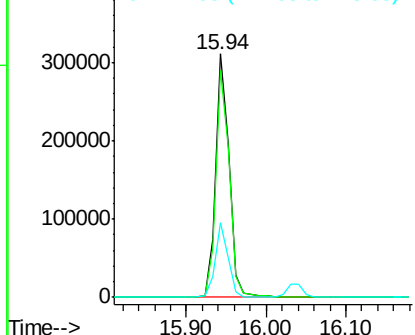
#93
 1,2,4-Trichlorobenzene
 Concen: 69.028 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 373439
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.3 144.9
 145 30.9 14.8 44.4

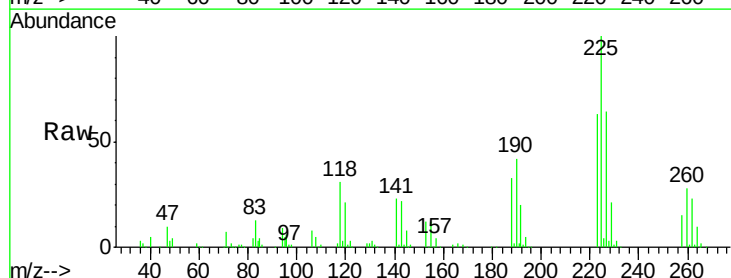


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

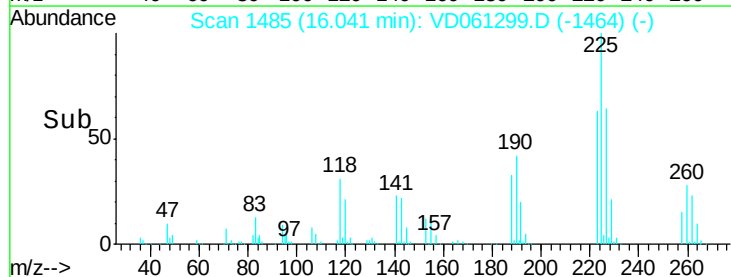
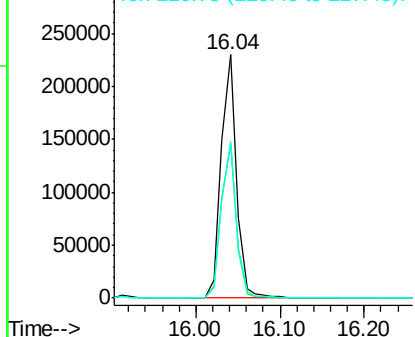


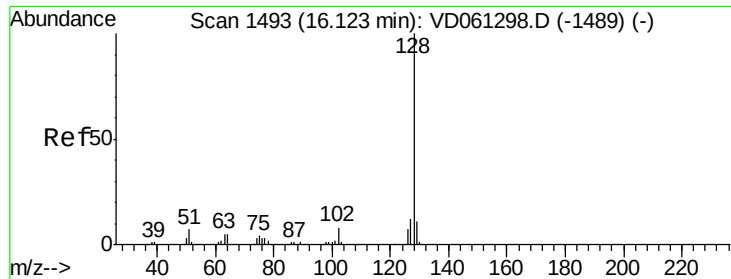
#94
 Hexachlorobutadiene
 Concen: 66.745 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061299.D
 Acq: 25 Mar 2019 12:42

Tgt Ion:225 Resp: 290975
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.8
 227 64.5 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

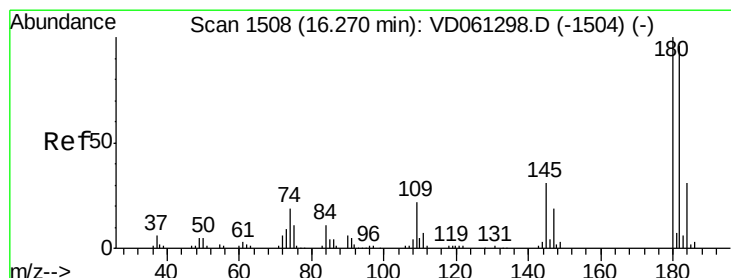
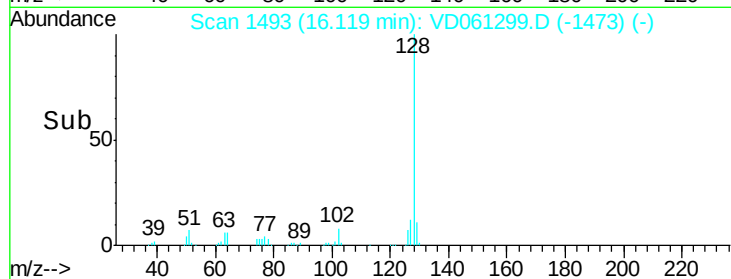
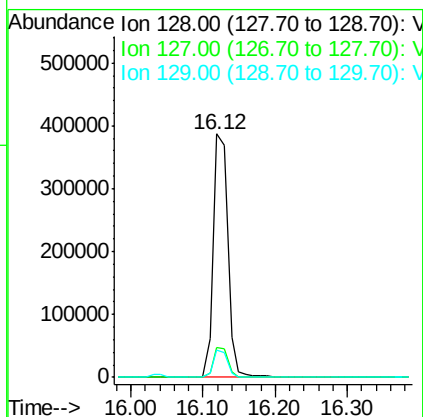
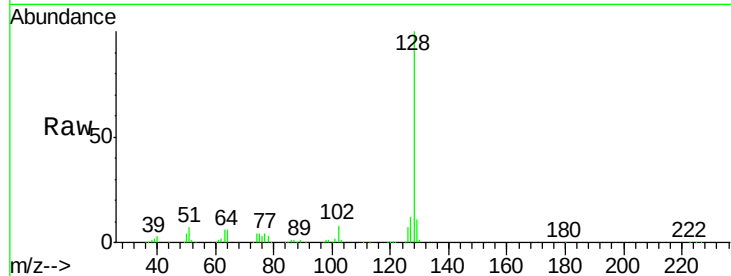




#95
Naphthalene
Concen: 68.459 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 540315
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.6
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 74.760 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061299.D
Acq: 25 Mar 2019 12:42

Tgt Ion:180 Resp: 188904
Ion Ratio Lower Upper
180 100
182 93.6 48.0 144.2
145 33.9 15.4 46.4

