

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061315.D
 Acq On : 25 Mar 2019 23:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 26 04:30:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	734210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1239548	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	988956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	429191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	313538	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	6.94	113	494547	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.41	98	1187088	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	13.55	95	467803	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	372209	49.584	ug/l	100
3) Chloromethane	1.77	50	286270	48.886	ug/l	99
4) Vinyl Chloride	1.87	62	273782	50.003	ug/l	99
5) Bromomethane	2.16	94	57111	51.391	ug/l	91
6) Chloroethane	2.28	64	101465	58.905	ug/l	100
7) Trichlorofluoromethane	2.55	101	379636	46.908	ug/l	99
8) Diethyl Ether	2.88	74	146885	61.039	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	420577	51.055	ug/l	97
10) Methyl Iodide	3.33	142	684576	59.484	ug/l	97
11) Tert butyl alcohol	4.07	59	95939	284.511	ug/l #	94
12) 1,1-Dichloroethene	3.15	96	368894	52.043	ug/l	99
13) Acrolein	3.05	56	63273	171.423	ug/l	92
14) Allyl chloride	3.64	41	543831	54.084	ug/l	98
15) Acrylonitrile	4.21	53	324854	273.932	ug/l	98
16) Acetone	3.23	43	367119	242.293	ug/l	98
17) Carbon Disulfide	3.39	76	1242778	52.792	ug/l	99
18) Methyl Acetate	3.65	43	155467	54.283	ug/l	100
19) Methyl tert-butyl Ether	4.26	73	697554	55.879	ug/l	100
20) Methylene Chloride	3.83	84	458787	53.349	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	405181	51.096	ug/l	96
22) Diisopropyl ether	5.13	45	1173618	55.406	ug/l	90
23) Vinyl Acetate	5.07	43	3310256	292.598	ug/l	99
24) 1,1-Dichloroethane	5.01	63	674529	54.645	ug/l	100
25) 2-Butanone	6.08	43	501803	286.331	ug/l	98
26) 2,2-Dichloropropane	6.03	77	528751	50.447	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	489004	57.304	ug/l	100
28) Bromochloromethane	6.45	49	281706	54.524	ug/l	98
29) Tetrahydrofuran	6.47	42	266602	305.624	ug/l	99
30) Chloroform	6.68	83	724391	55.070	ug/l	98
31) Cyclohexane	6.97	56	517104	51.614	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	590122	50.655	ug/l	97
36) 1,1-Dichloropropene	7.16	75	496951	49.002	ug/l	98
37) Ethyl Acetate	6.19	43	241603	57.037	ug/l	95
38) Carbon Tetrachloride	7.13	117	619612	53.456	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	558947	53.216	ug/l	96
40) Benzene	7.47	78	1309994	52.011	ug/l	100
41) Methacrylonitrile	6.45	41	289717	58.858	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	429275	54.687	ug/l	96
43) Isopropyl Acetate	9.24	43	363204	59.467	ug/l #	98
44) Trichloroethene	8.55	130	509722	55.958	ug/l	97
45) 1,2-Dichloropropane	8.95	63	346204	55.692	ug/l	100
46) Dibromomethane	9.06	93	233443	54.785	ug/l	99
47) Bromodichloromethane	9.38	83	543867	54.455	ug/l	99
48) Methyl methacrylate	9.12	41	195484	59.966	ug/l	96
49) 1,4-Dioxane	9.08	88	42486	1187.836	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1023695	281.554	ug/l	97
52) Toluene	10.51	92	846340	54.917	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	494970	57.027	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	587419	55.424	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	286095	55.916	ug/l	98
56) Ethyl methacrylate	11.04	69	311306	57.018	ug/l	97
57) 1,3-Dichloropropane	11.41	76	435311	56.335	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	697174	245.452	ug/l	99
59) 2-Hexanone	11.54	43	787343	298.157	ug/l	98
60) Dibromochloromethane	11.68	129	450721	56.244	ug/l	96
61) 1,2-Dibromoethane	11.81	107	345667	57.821	ug/l	99
64) Tetrachloroethene	11.26	164	375173	55.070	ug/l	95
65) Chlorobenzene	12.40	112	962676	52.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	395020	55.934	ug/l	99
67) Ethyl Benzene	12.52	91	1525661	54.728	ug/l	98
68) m/p-Xylenes	12.67	106	1132360	104.059	ug/l	97
69) o-Xylene	13.05	106	574608	56.934	ug/l	99
70) Styrene	13.07	104	988808	57.729	ug/l	98
71) Bromoform	13.24	173	259993	60.160	ug/l	97
73) Isopropylbenzene	13.41	105	1438482	51.530	ug/l	100
74) N-amyl acetate	13.27	43	396105	54.235	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	312196	57.671	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	307271	57.568	ug/l	98
77) Bromobenzene	13.67	156	416158	53.370	ug/l	97
78) n-propylbenzene	13.77	91	1672308	53.098	ug/l	100
79) 2-Chlorotoluene	13.84	91	911491	49.707	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	1236493	56.148	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	97778	58.047	ug/l	97
82) 4-Chlorotoluene	13.95	91	1118798	55.809	ug/l	99
83) tert-Butylbenzene	14.19	119	1405000	55.878	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1236493	56.148	ug/l	96
85) sec-Butylbenzene	14.37	105	1481693	52.913	ug/l	100
86) p-Isopropyltoluene	14.49	119	1301695	52.104	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	723252	52.328	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	734919	54.891	ug/l	99
89) n-Butylbenzene	14.79	91	1096979	49.458	ug/l	99
90) Hexachloroethane	15.01	117	349357	52.157	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	571588	51.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39142	57.864	ug/l	96

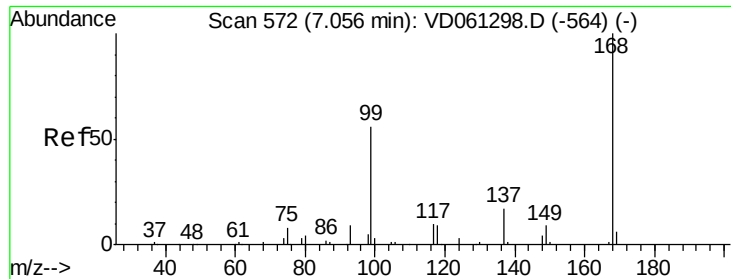
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	285541	56.061	ug/l	99
94) Hexachlorobutadiene	16.03	225	230034	56.050	ug/l	98
95) Naphthalene	16.12	128	473621	63.728	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	135078	56.781	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

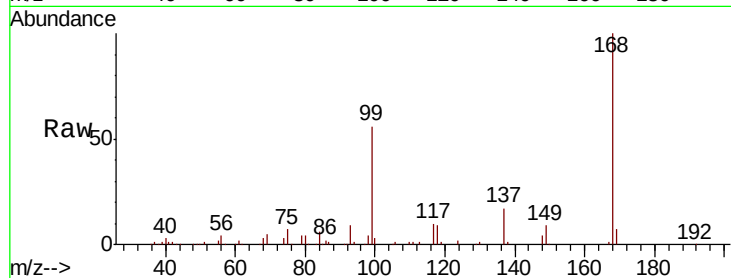
VSTDCCC050

Tot Ion:168 Resp: 734210

Ion Ratio Lower Upper

168 100

99 56.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

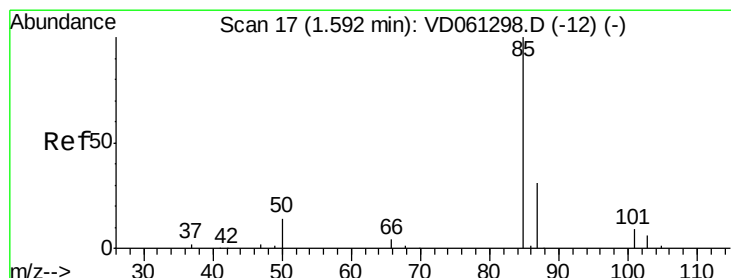
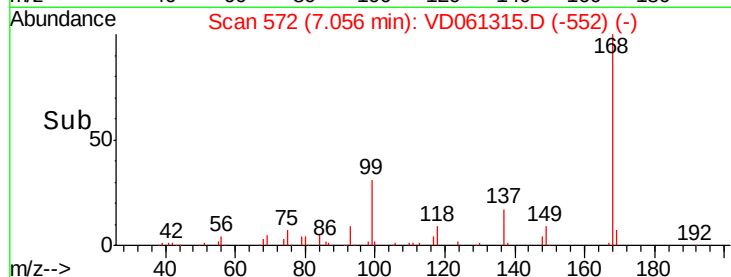
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.584 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.00 min

Lab File: VD061315.D

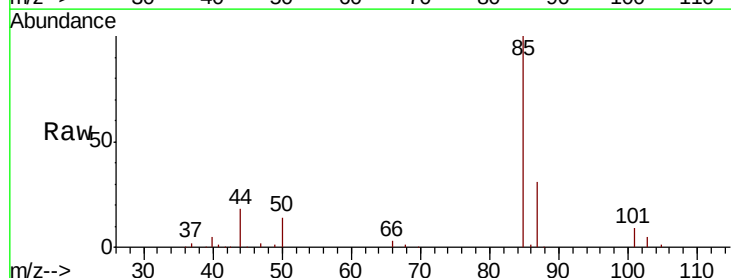
Acq: 25 Mar 2019 23:12

Tgt Ion: 85 Resp: 372209

Ion Ratio Lower Upper

85 100

87 30.9 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

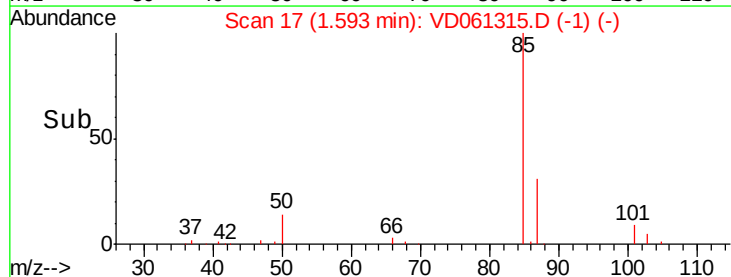
100000

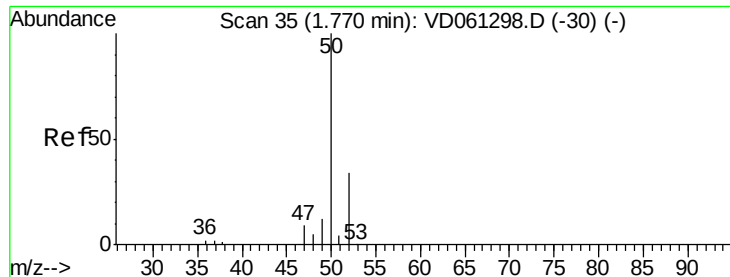
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 48.886 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

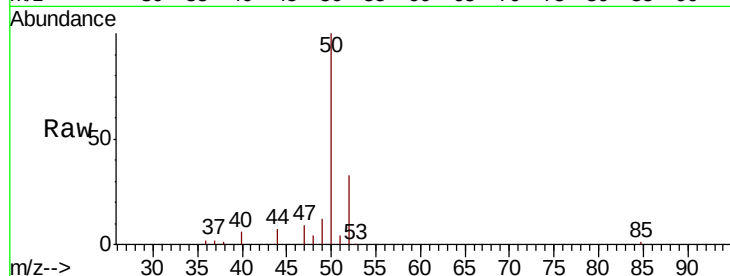
VSTDCCC050

Tot Ion: 50 Resp: 286270

Ion Ratio Lower Upper

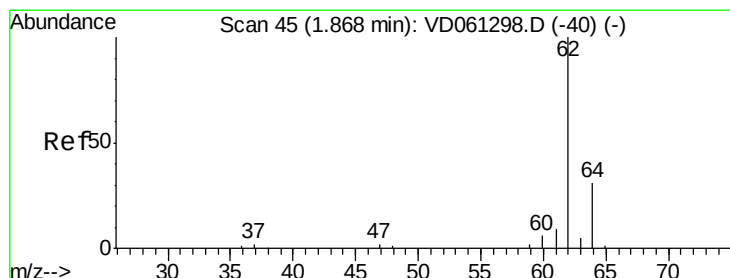
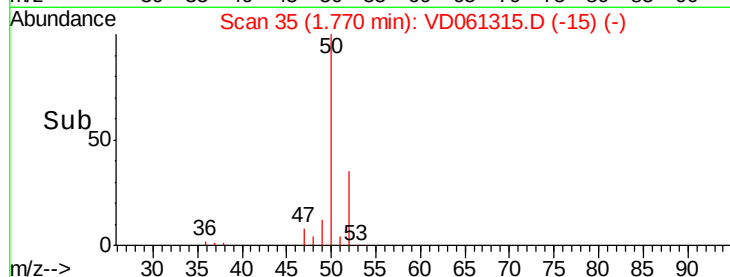
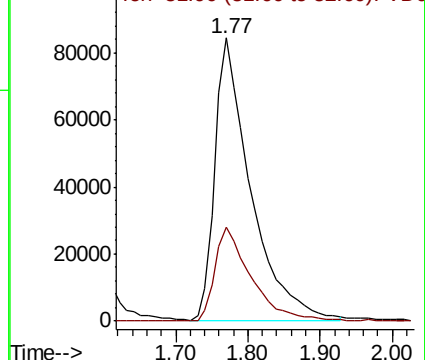
50 100

52 33.4 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.003 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD061315.D

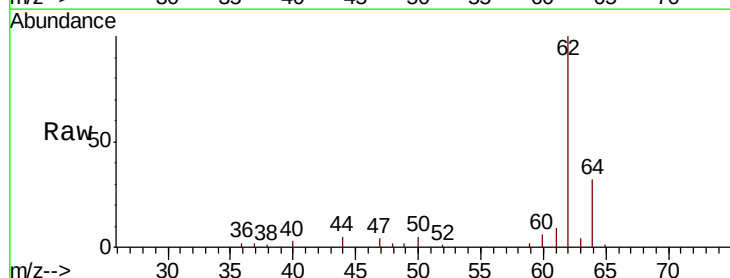
Acq: 25 Mar 2019 23:12

Tgt Ion: 62 Resp: 273782

Ion Ratio Lower Upper

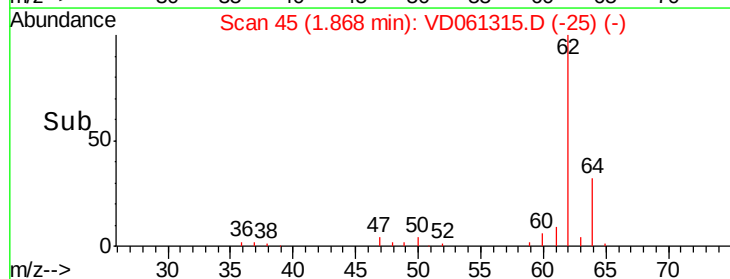
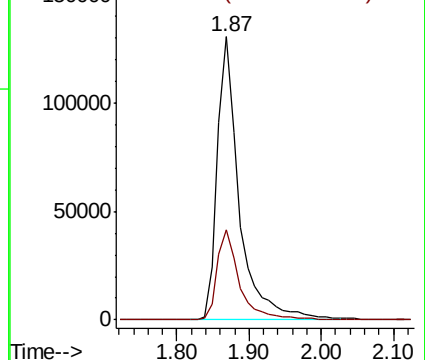
62 100

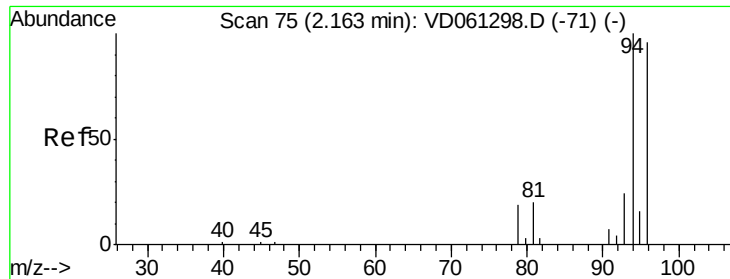
64 31.7 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.391 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

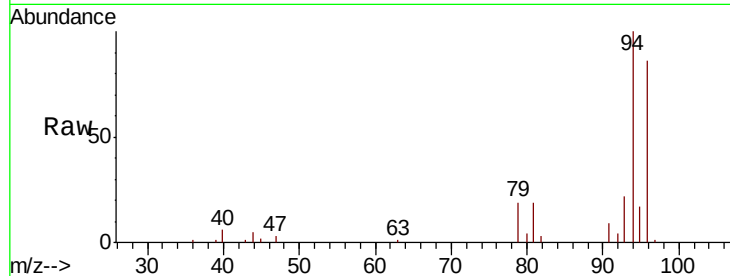
Tot Ion: 94 Resp: 57111

Ion Ratio Lower Upper

94 100

96 85.8 76.9 115.3

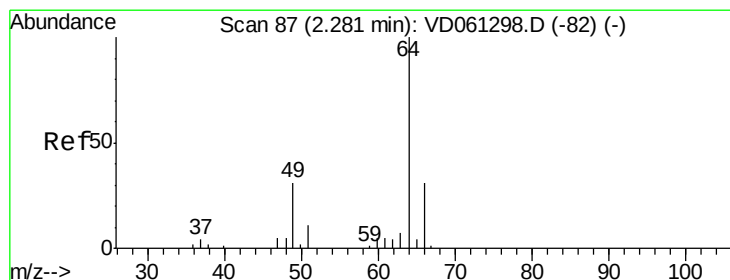
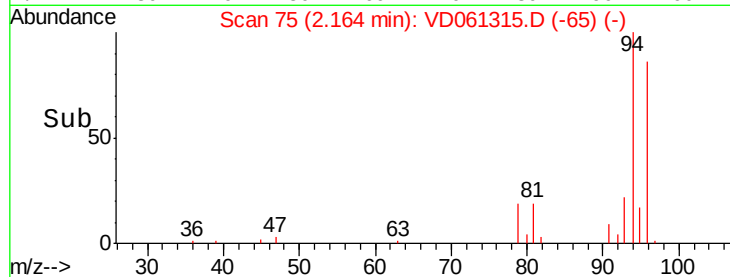
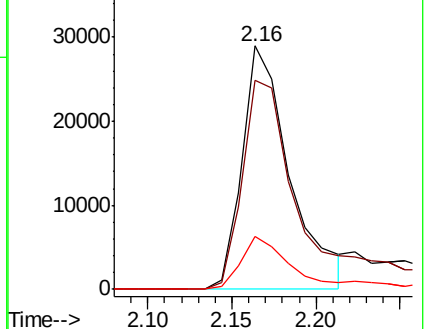
93 21.7 18.8 28.2



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: 58.905 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD061315.D

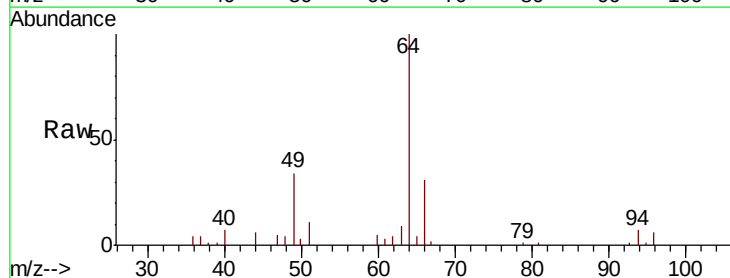
Acq: 25 Mar 2019 23:12

Tgt Ion: 64 Resp: 101465

Ion Ratio Lower Upper

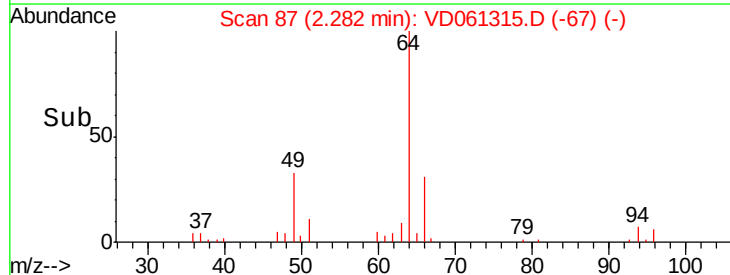
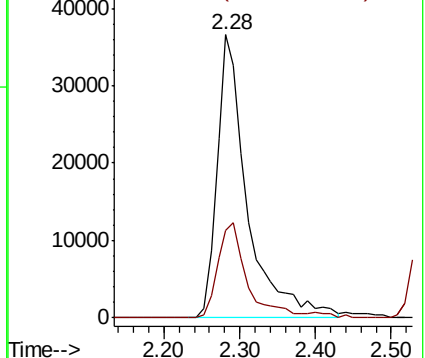
64 100

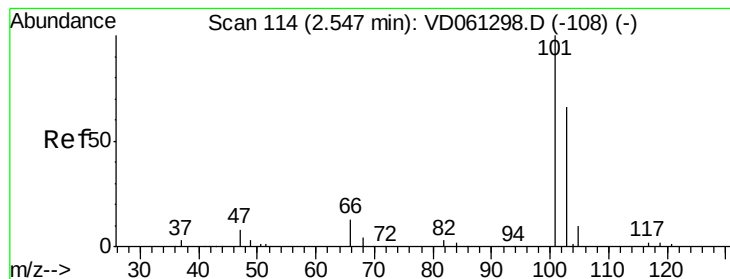
66 30.8 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



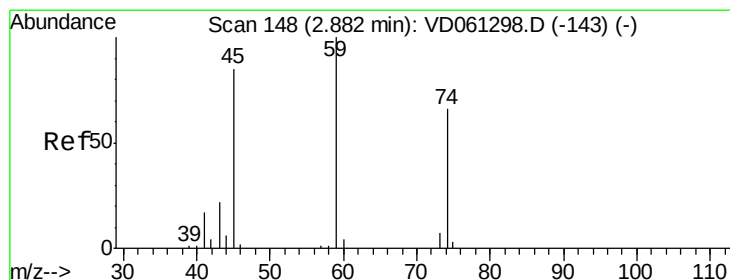
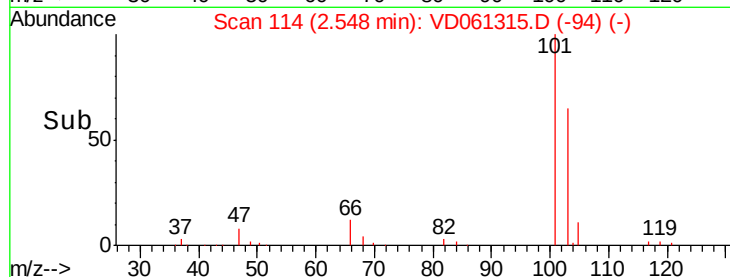
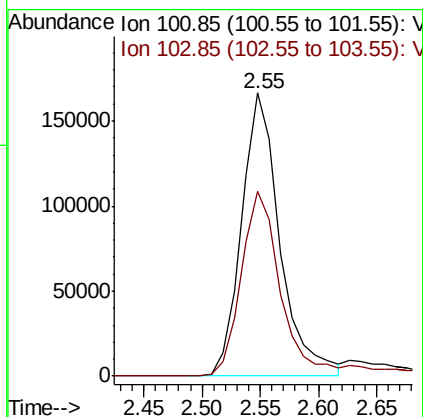
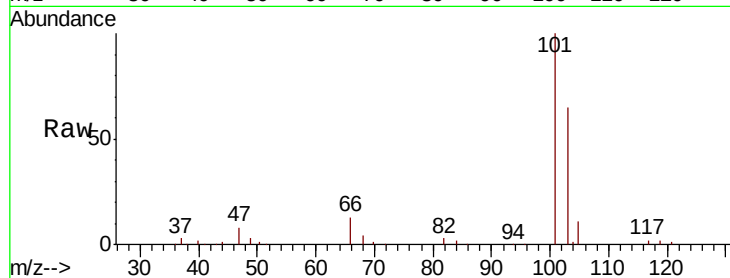


#7

Trichlorofluoromethane
 Concen: 46.908 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

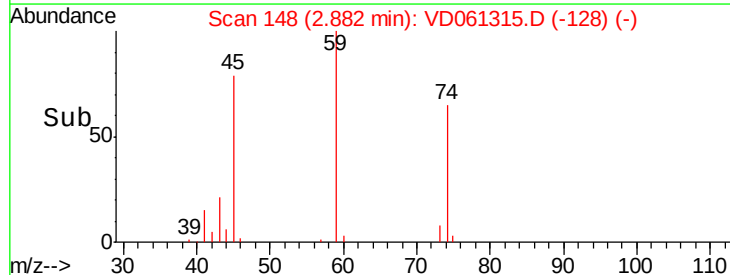
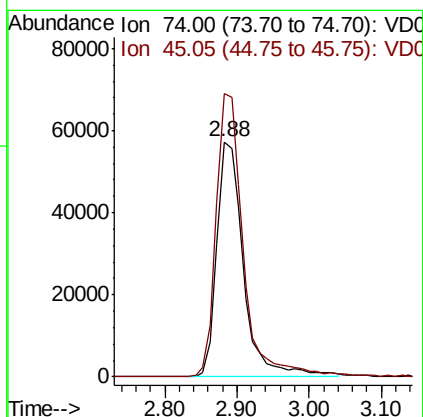
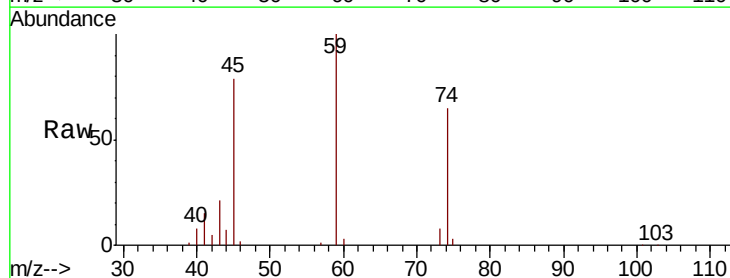
Tot Ion: 101 Resp: 379636
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 79.0

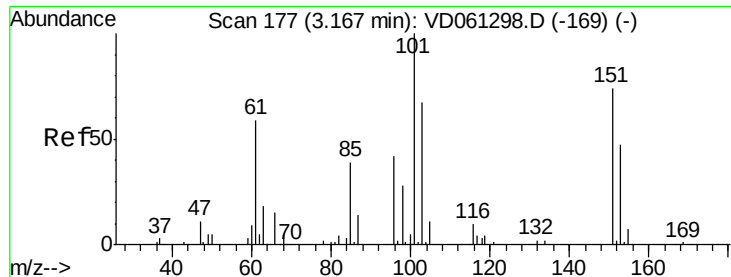


#8

Diethyl Ether
 Concen: 61.039 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 74 Resp: 146885
 Ion Ratio Lower Upper
 74 100
 45 120.6 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.055 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

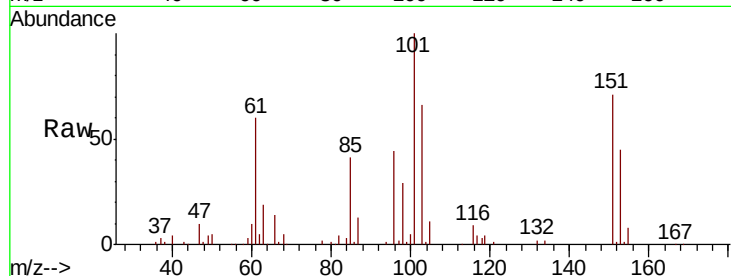
Tot Ion:101 Resp: 420577

Ion Ratio Lower Upper

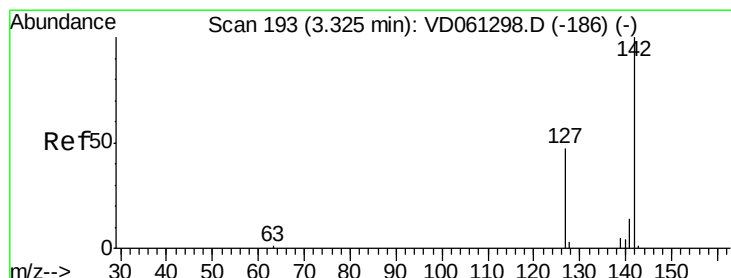
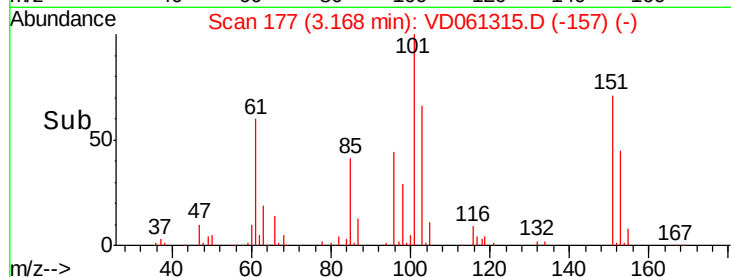
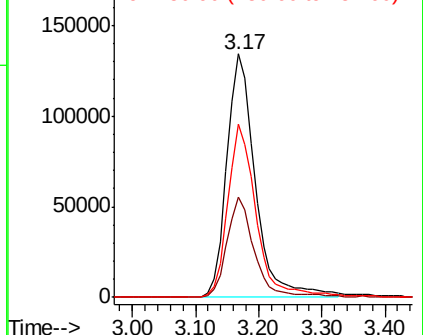
101 100

85 41.0 31.6 47.4

151 71.0 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: 59.484 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

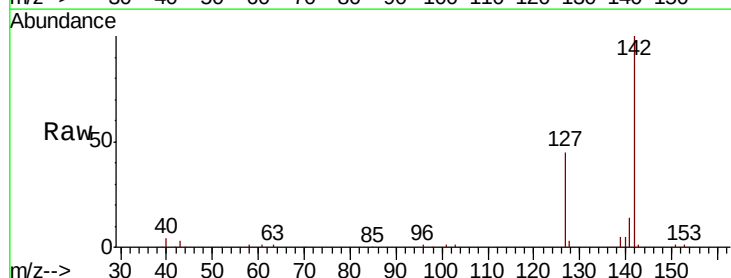
Tgt Ion:142 Resp: 684576

Ion Ratio Lower Upper

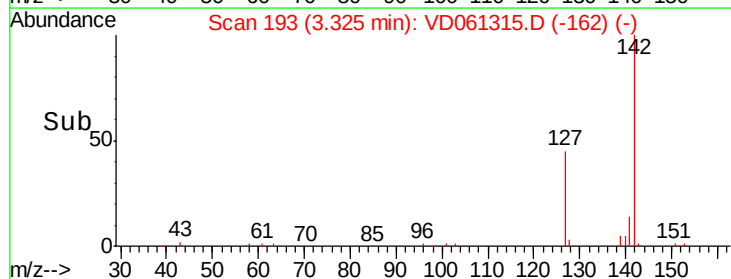
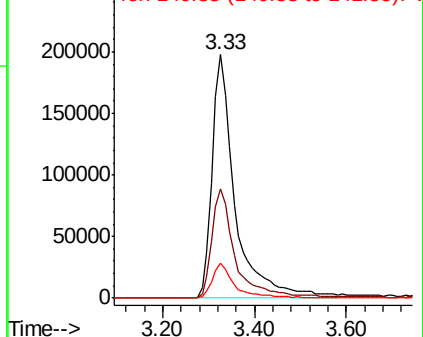
142 100

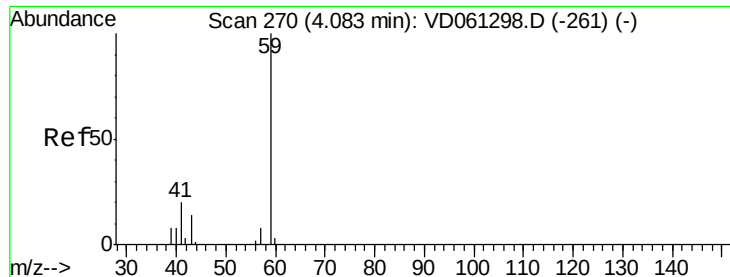
127 45.0 37.8 56.6

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

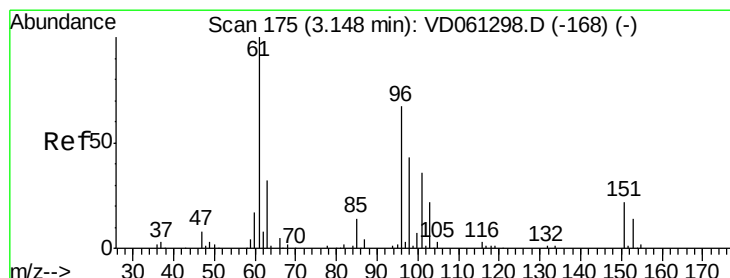
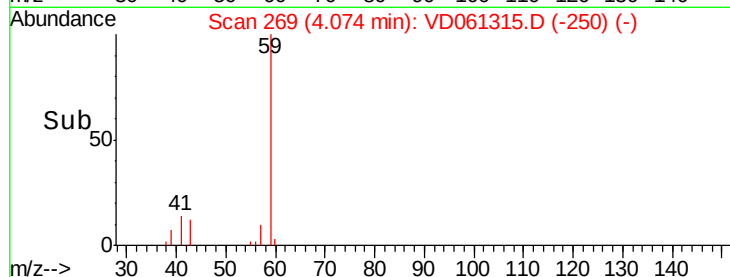
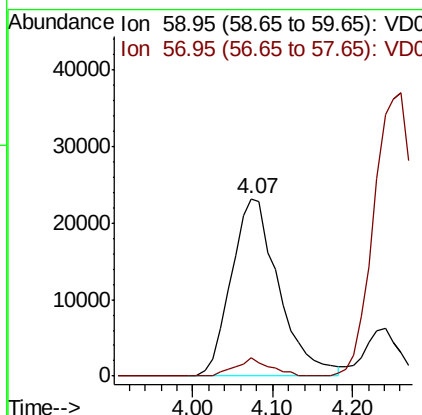
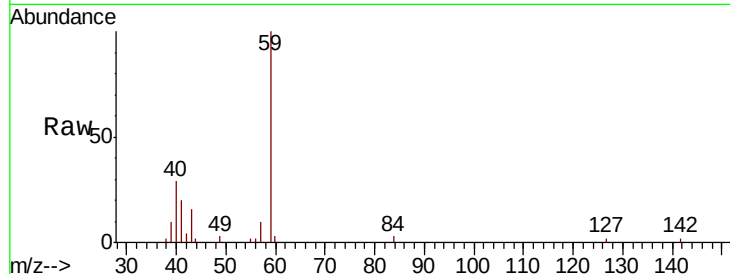




#11
Tert butyl alcohol
Concen: 284.511 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

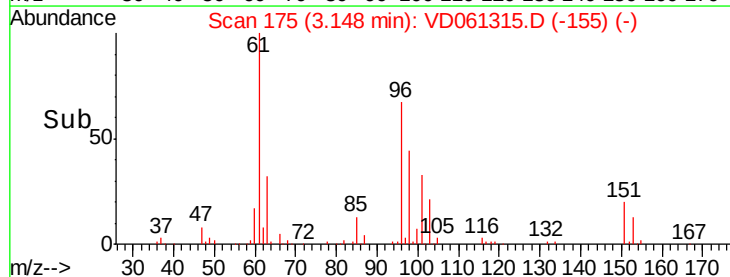
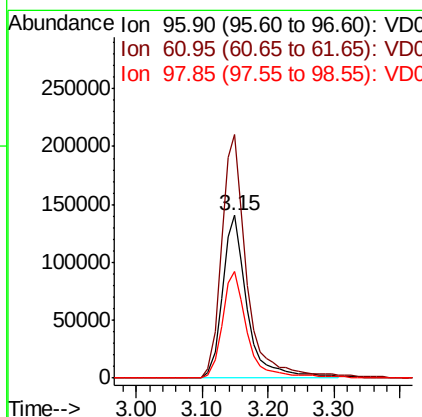
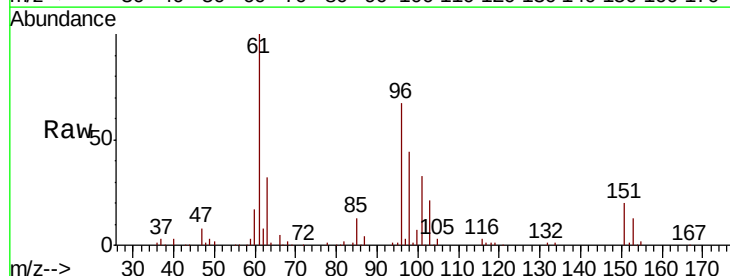
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

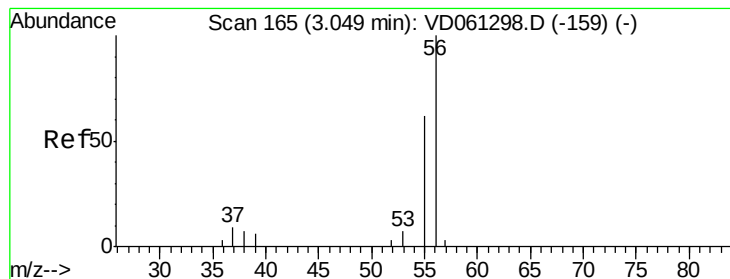
Tot Ion: 59 Resp: 95939
Ion Ratio Lower Upper
59 100
57 10.4 6.6 9.8#



#12
1,1-Dichloroethene
Concen: 52.043 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 96 Resp: 368894
Ion Ratio Lower Upper
96 100
61 149.5 120.2 180.2
98 65.8 52.2 78.4





#13

Acrolein

Concen: 171.423 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

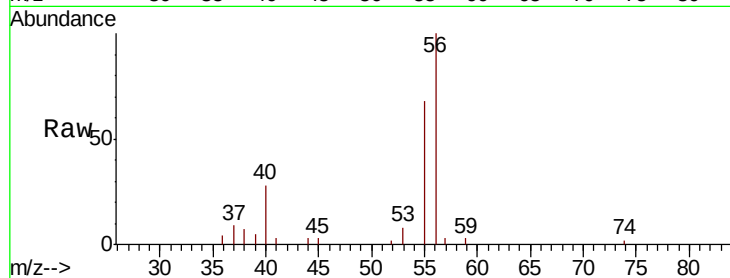
VSTDCCC050

Tot Ion: 56 Resp: 63273

Ion Ratio Lower Upper

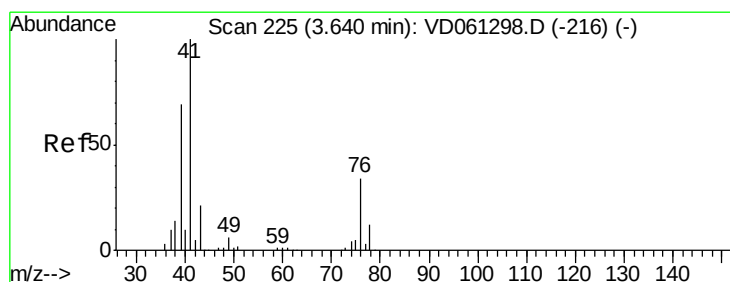
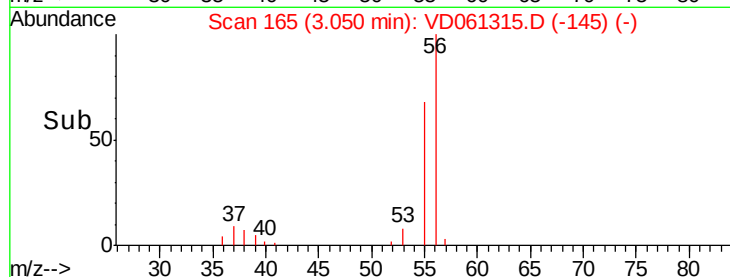
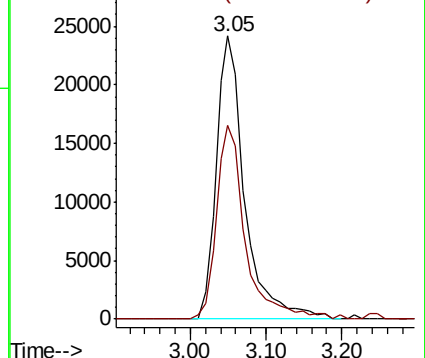
56 100

55 68.3 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: 54.084 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

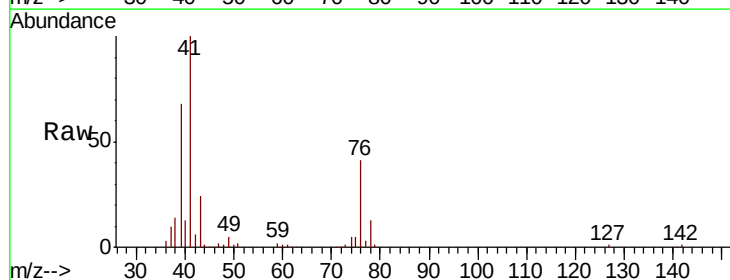
Tgt Ion: 41 Resp: 543831

Ion Ratio Lower Upper

41 100

39 68.0 55.1 82.7

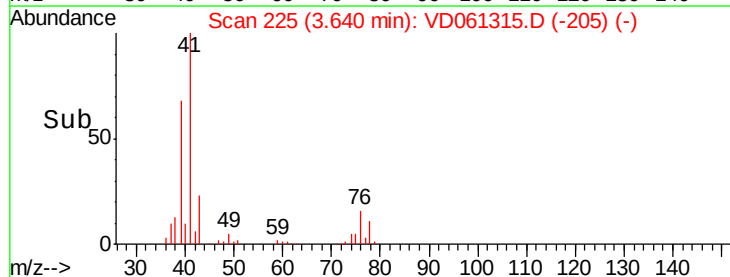
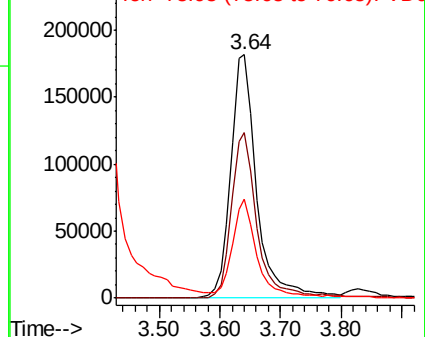
76 40.6 30.2 45.2

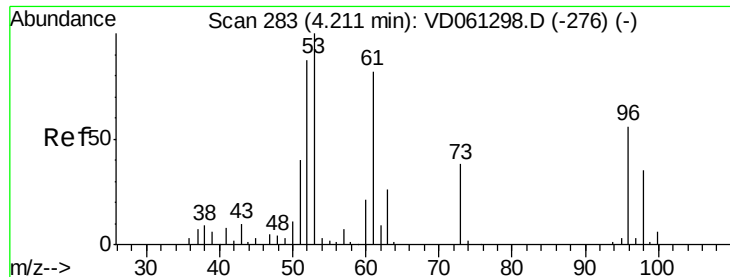


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

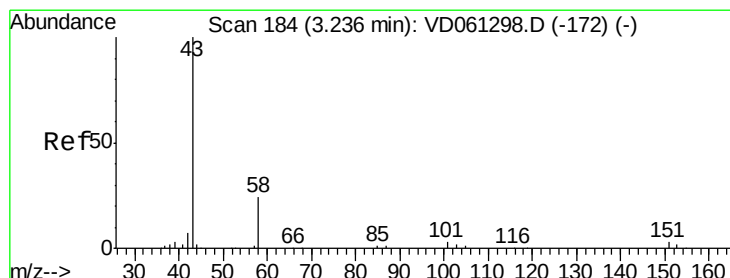
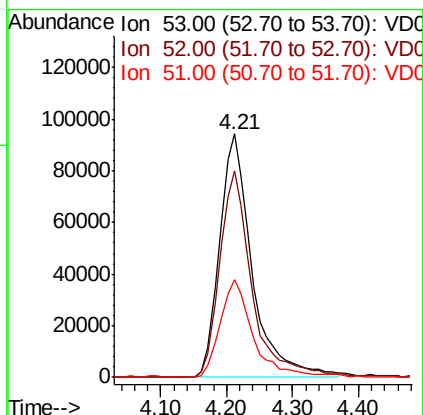
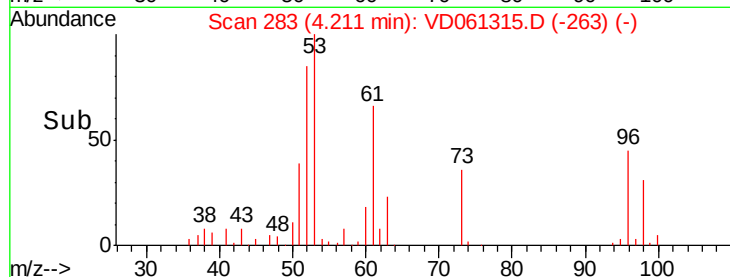
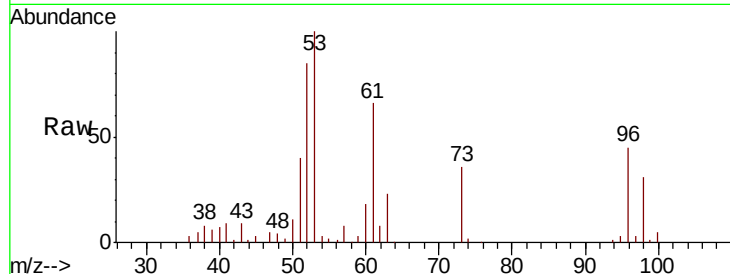




#15
Acrylonitrile
Concen: 273.932 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

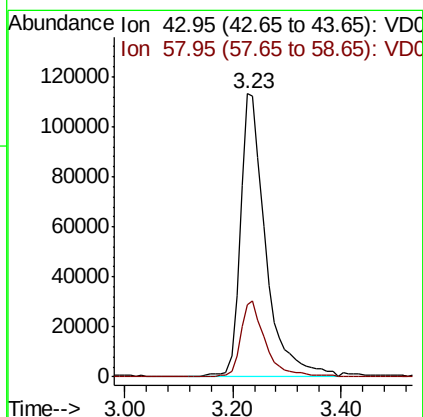
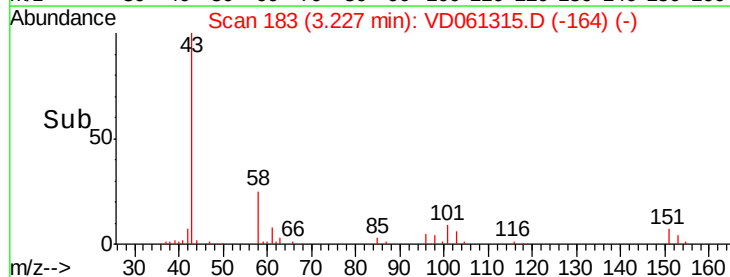
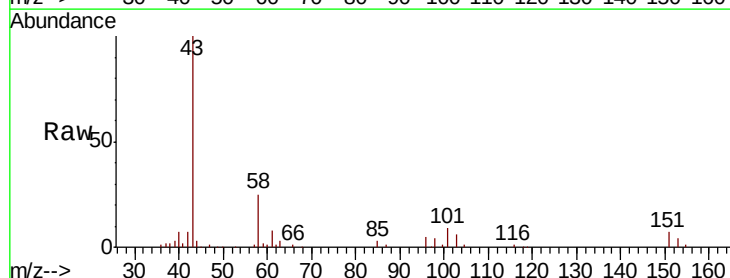
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

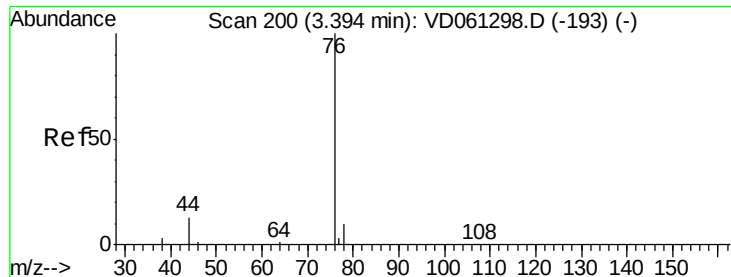
Tot Ion: 53 Resp: 324854
Ion Ratio Lower Upper
53 100
52 85.1 69.4 104.2
51 40.0 31.7 47.5



#16
Acetone
Concen: 242.293 ug/l
RT: 3.23 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 43 Resp: 367119
Ion Ratio Lower Upper
43 100
58 25.4 19.4 29.0

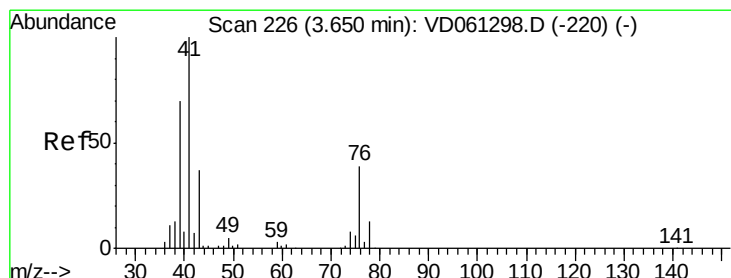
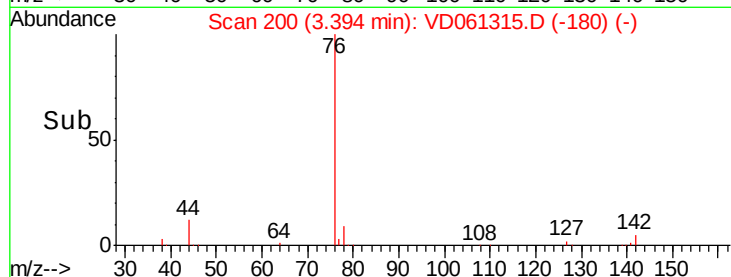
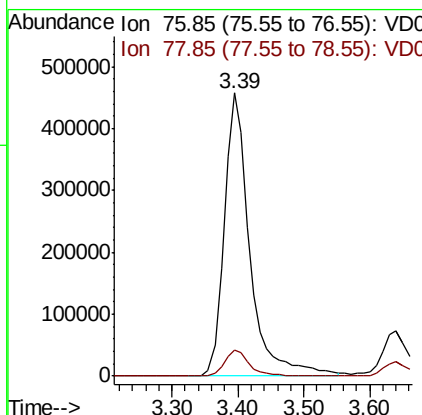
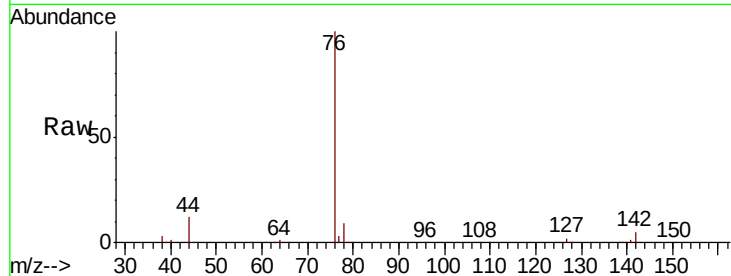




#17
Carbon Disulfide
Concen: 52.792 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

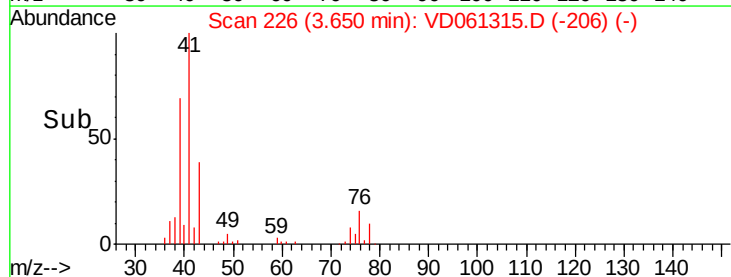
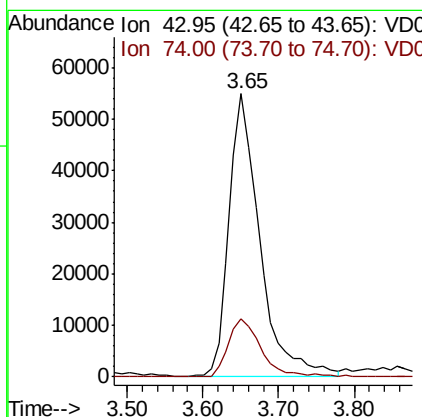
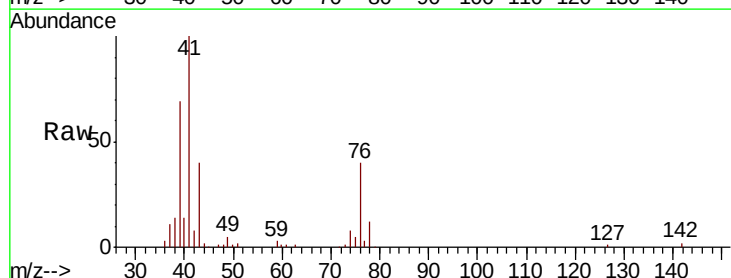
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

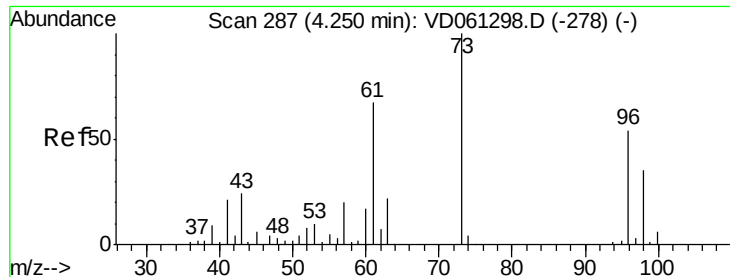
Tot Ion: 76 Resp: 1242778
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.6



#18
Methyl Acetate
Concen: 54.283 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 43 Resp: 155467
Ion Ratio Lower Upper
43 100
74 20.7 16.6 25.0

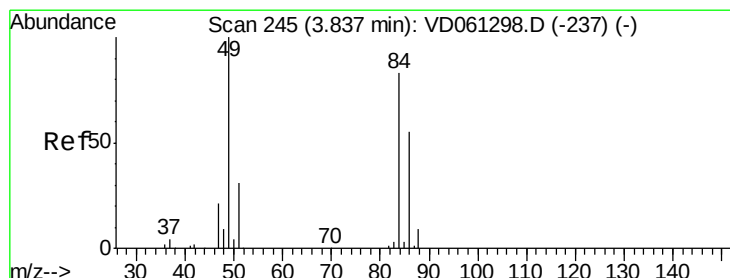
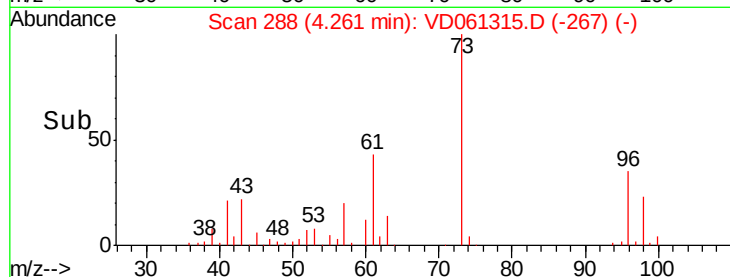
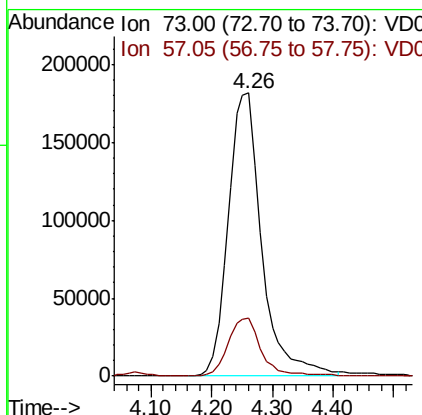
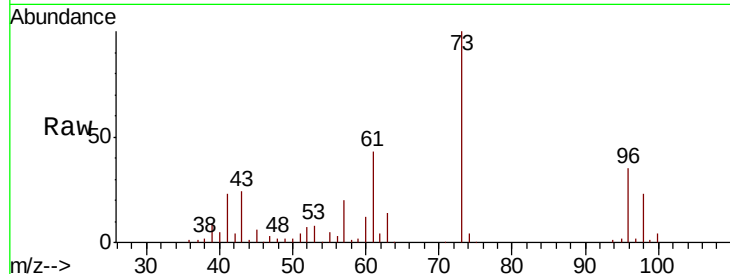




#19
Methyl tert-butyl Ether
Concen: 55.879 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

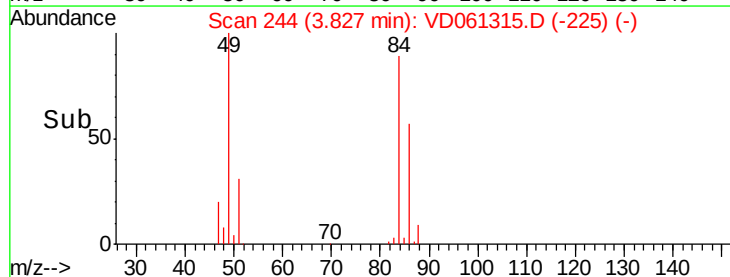
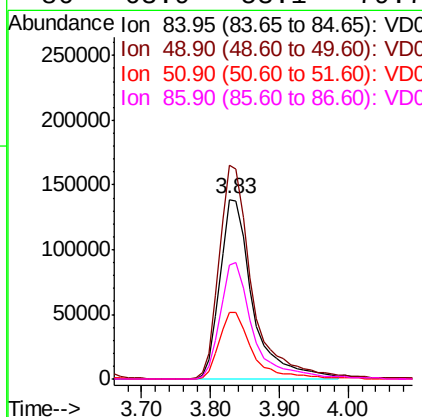
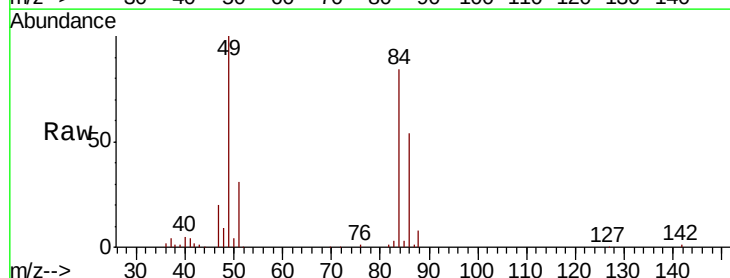
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

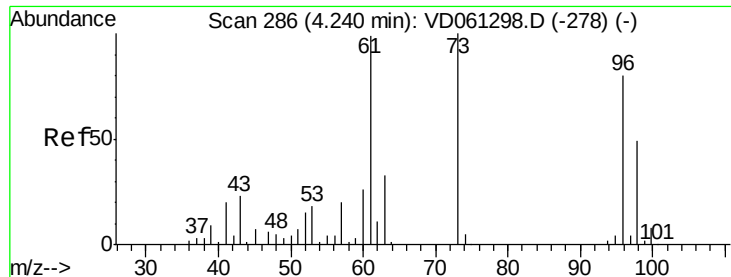
Tot Ion: 73 Resp: 697554
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5



#20
Methylene Chloride
Concen: 53.349 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 84 Resp: 458787
Ion Ratio Lower Upper
84 100
49 119.2 96.8 145.2
51 36.8 29.9 44.9
86 63.9 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 51.096 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

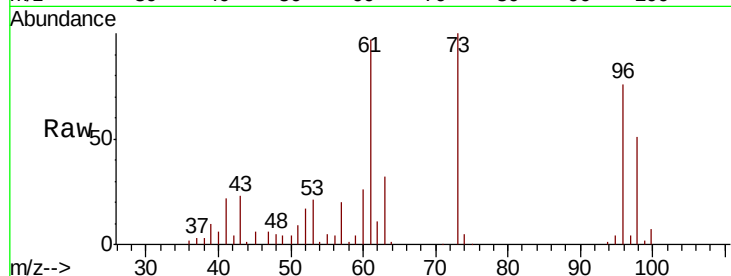
Tot Ion: 96 Resp: 405181

Ion Ratio Lower Upper

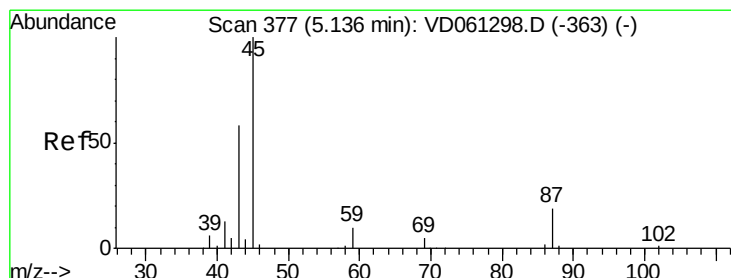
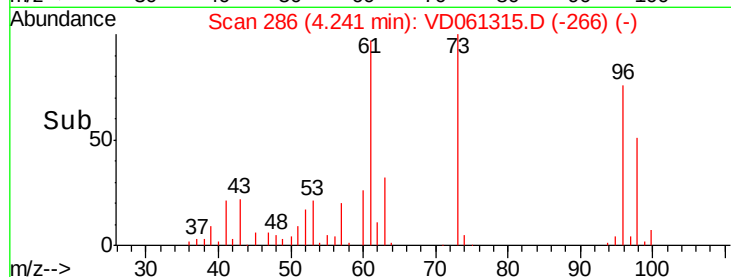
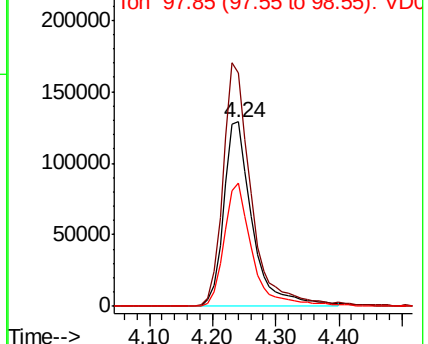
96 100

61 126.5 99.2 148.8

98 66.9 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: 55.406 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion: 45 Resp: 1173618

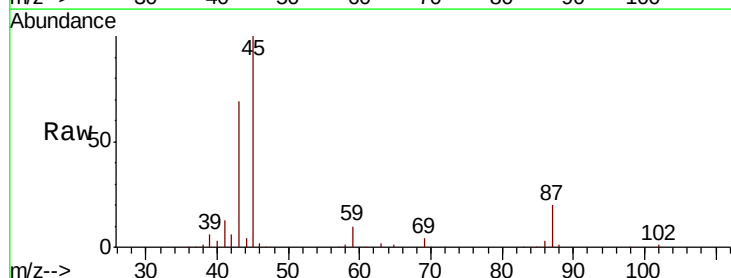
Ion Ratio Lower Upper

45 100

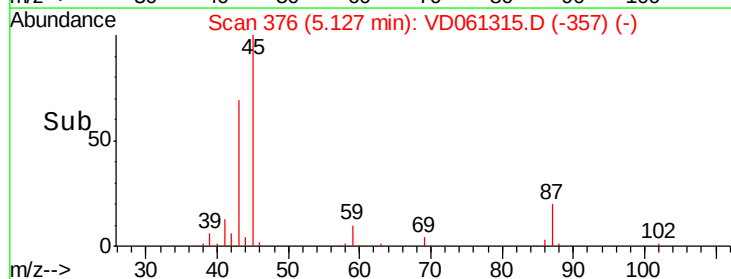
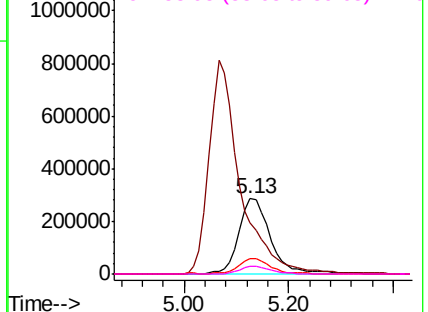
43 68.7 46.7 70.1

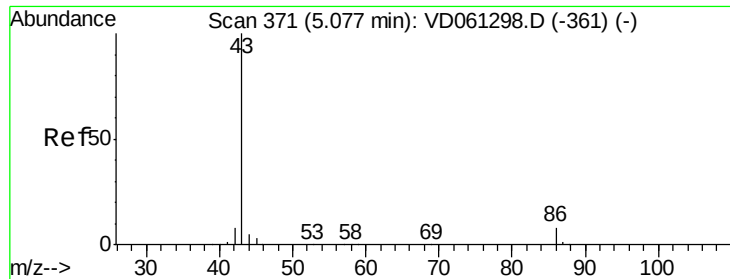
87 20.4 15.5 23.3

59 9.8 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: 292.598 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

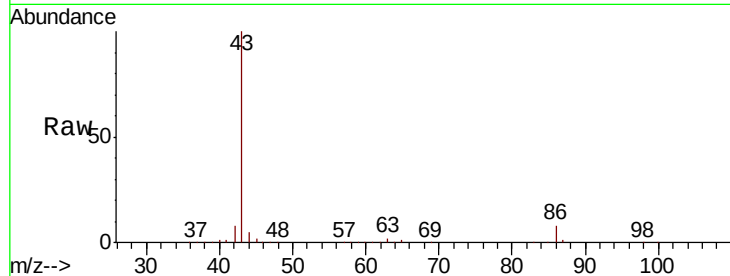
VSTDCCC050

Tot Ion: 43 Resp: 3310256

Ion Ratio Lower Upper

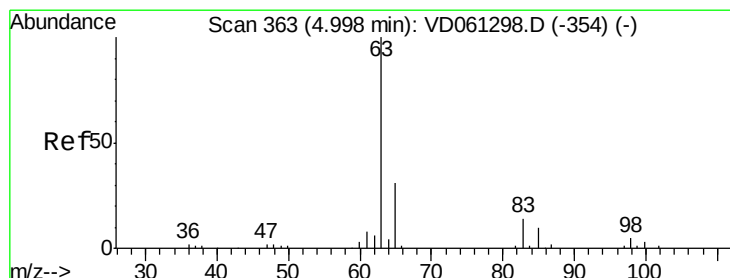
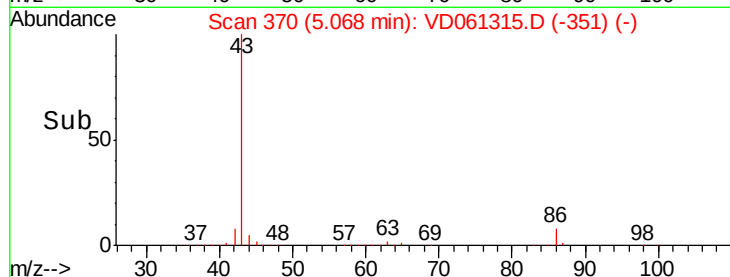
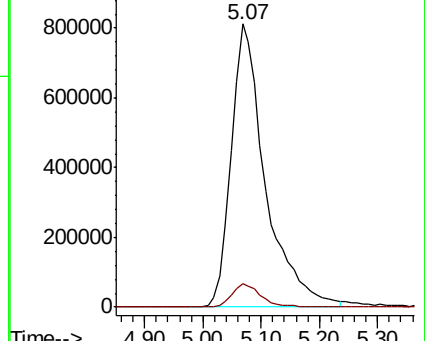
43 100

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: 54.645 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

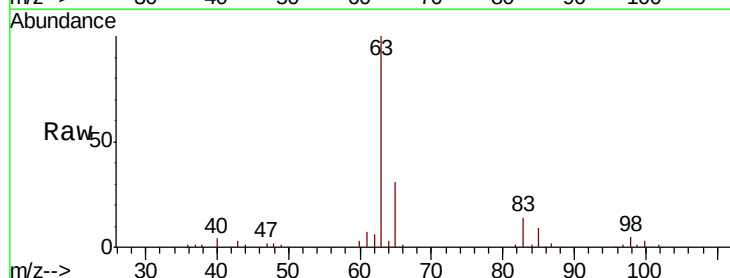
Tgt Ion: 63 Resp: 674529

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

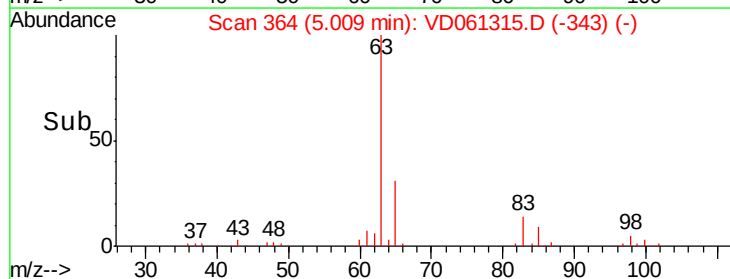
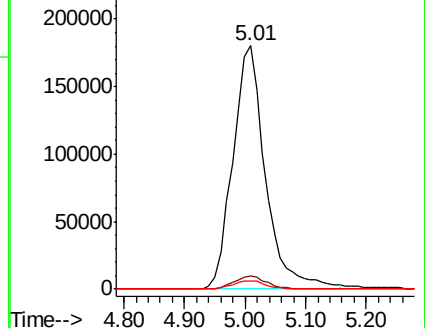
100 3.3 1.6 4.8

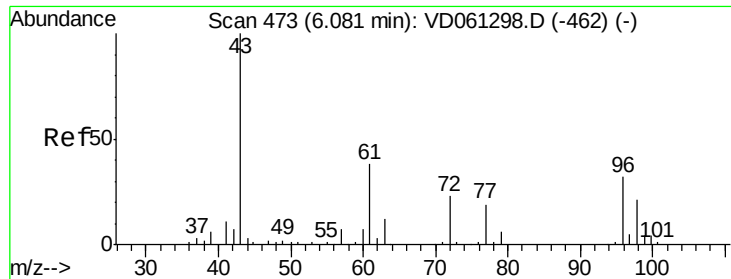


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

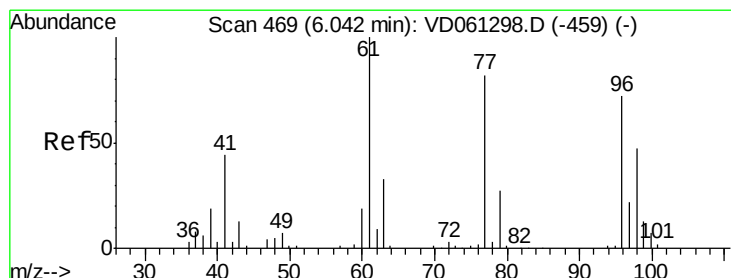
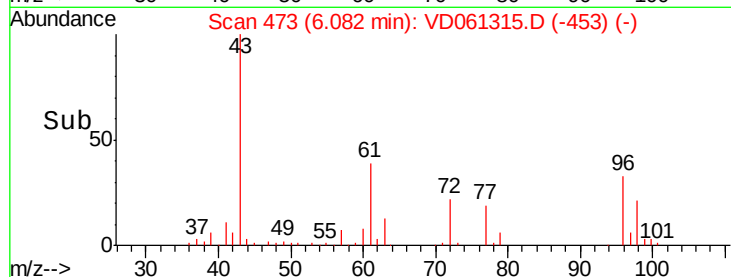
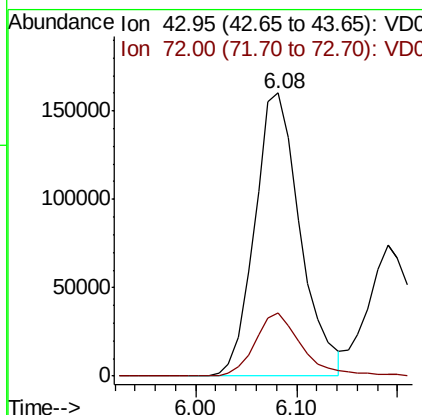
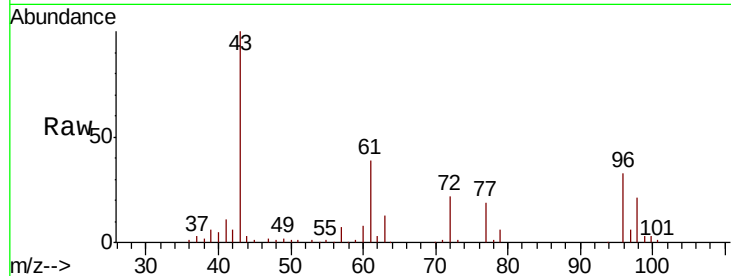




#25
2-Butanone
Concen: 286.331 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

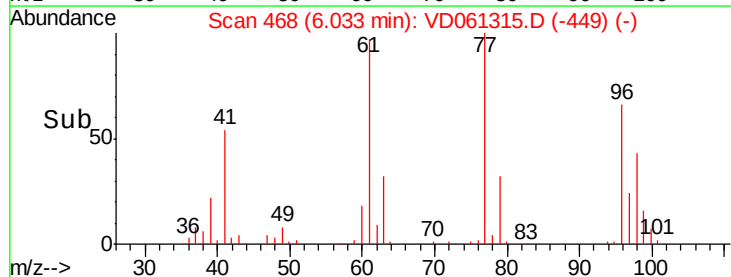
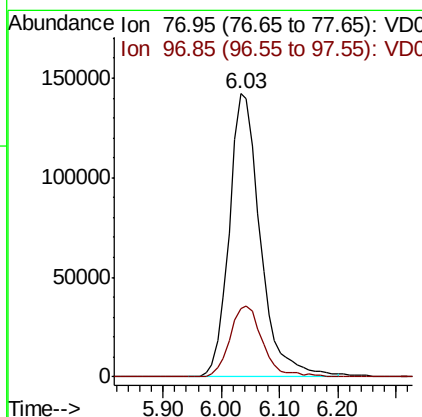
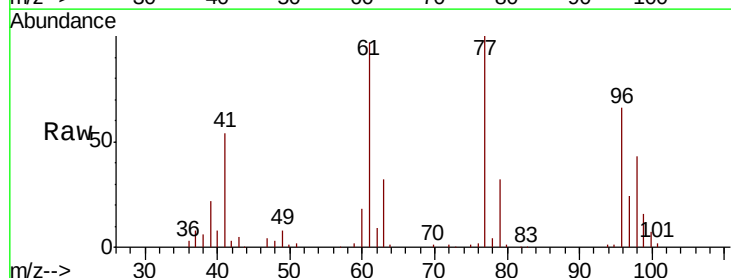
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

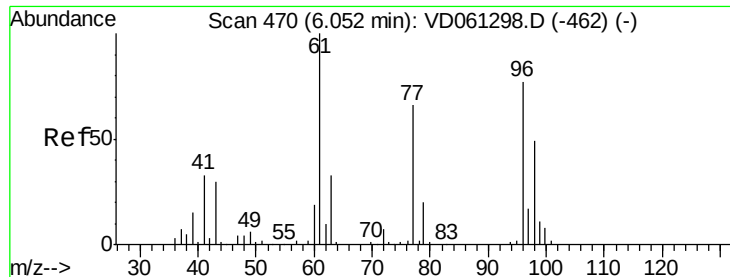
Tot Ion: 43 Resp: 501803
Ion Ratio Lower Upper
43 100
72 22.3 18.5 27.7



#26
2,2-Dichloropropane
Concen: 50.447 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 77 Resp: 528751
Ion Ratio Lower Upper
77 100
97 24.3 13.5 40.5



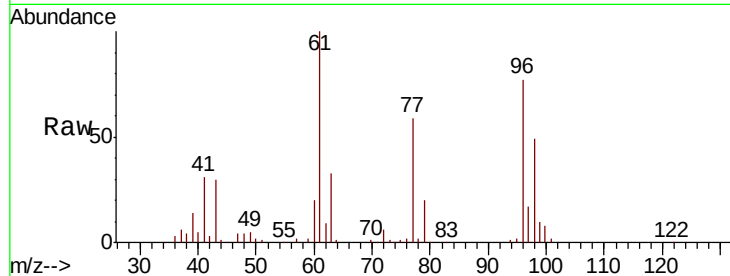


#27

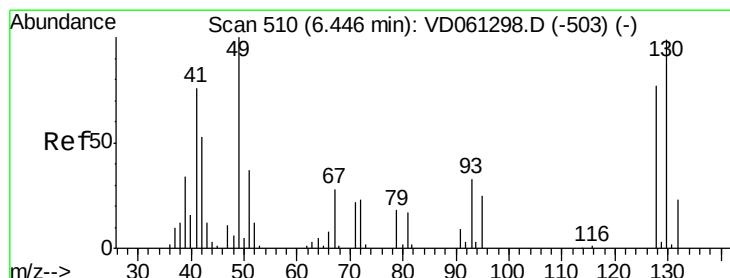
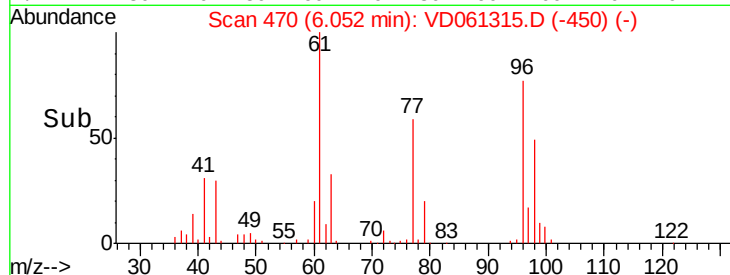
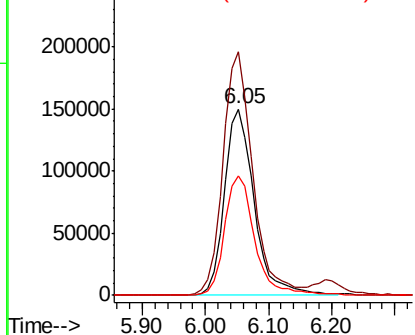
cis-1,2-Dichloroethene
 Concen: 57.304 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 489004
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 261.0
 98 64.1 0.0 127.6



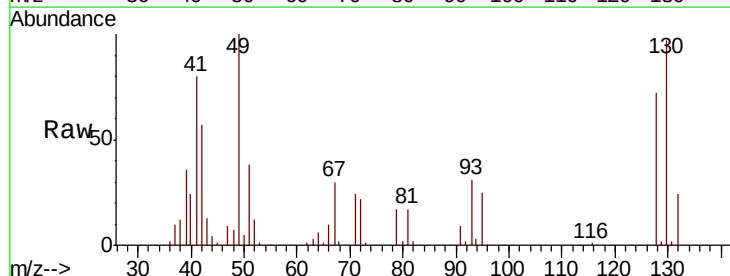
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



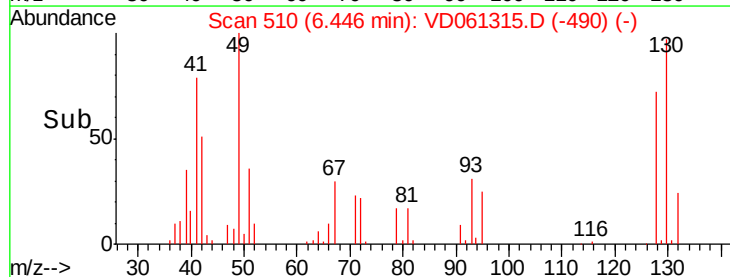
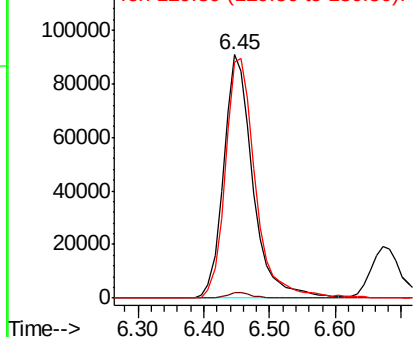
#28

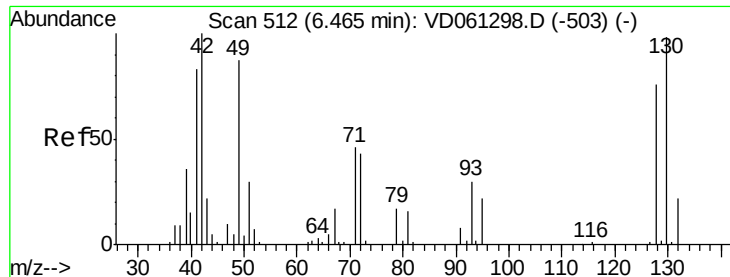
Bromochloromethane
 Concen: 54.524 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 49 Resp: 281706
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.2
 130 96.8 79.0 118.6



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





#29

Tetrahydrofuran

Concen: 305.624 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

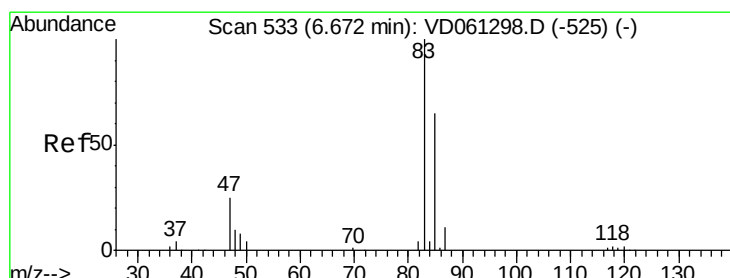
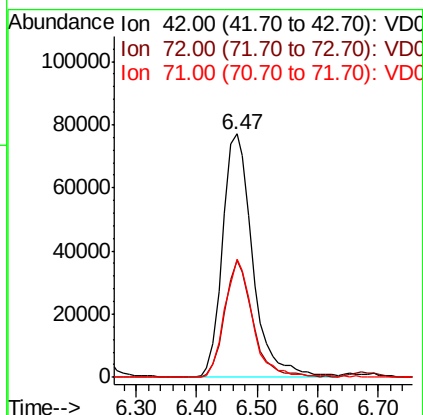
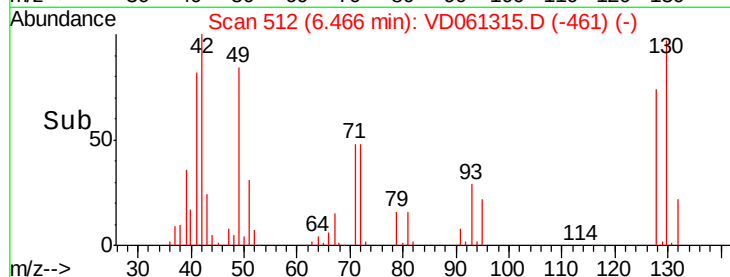
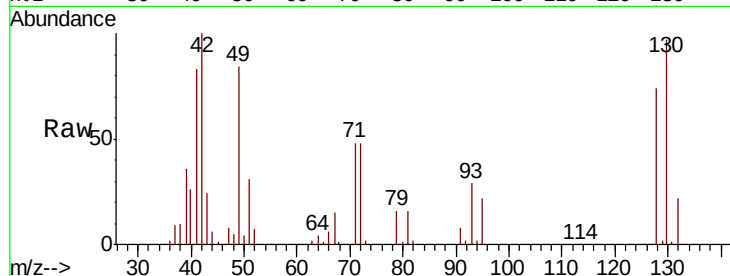
Tot Ion: 42 Resp: 266602

Ion Ratio Lower Upper

42 100

72 44.9 36.6 54.8

71 45.0 36.3 54.5



#30

Chloroform

Concen: 55.070 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD061315.D

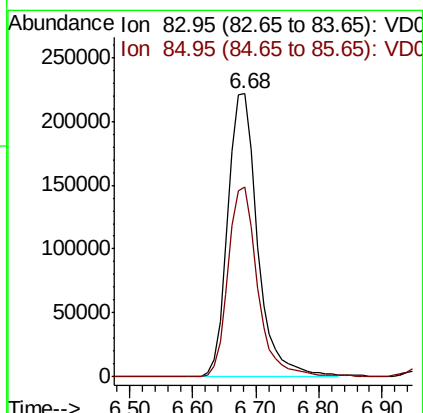
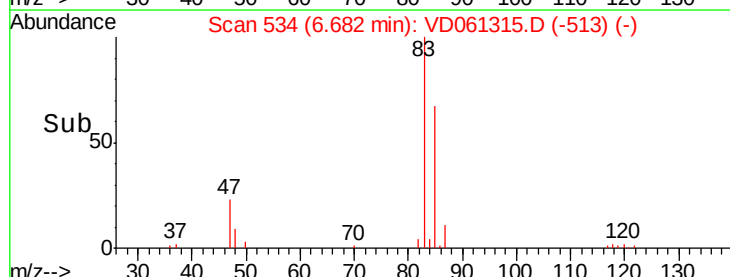
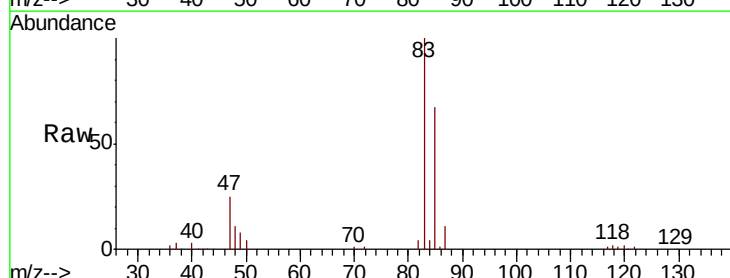
Acq: 25 Mar 2019 23:12

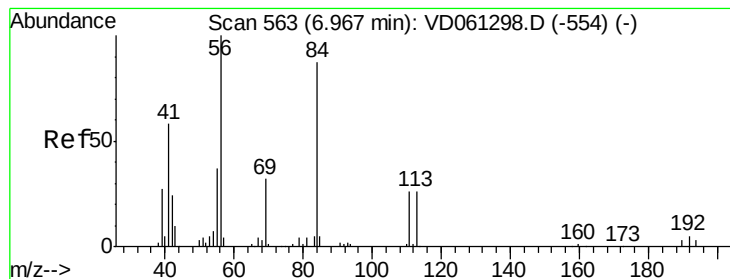
Tgt Ion: 83 Resp: 724391

Ion Ratio Lower Upper

83 100

85 67.0 52.2 78.2





#31

Cyclohexane

Concen: 51.614 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

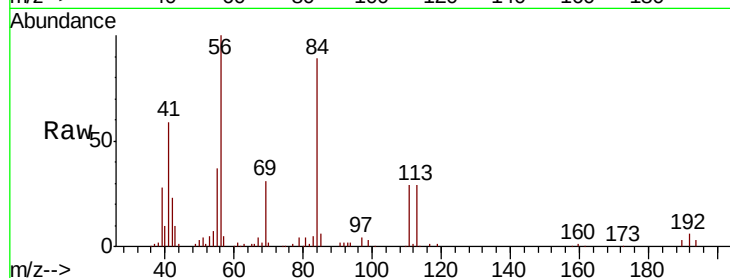
Tot Ion: 56 Resp: 517104

Ion Ratio Lower Upper

56 100

69 31.5 25.5 38.3

84 89.2 71.4 107.2

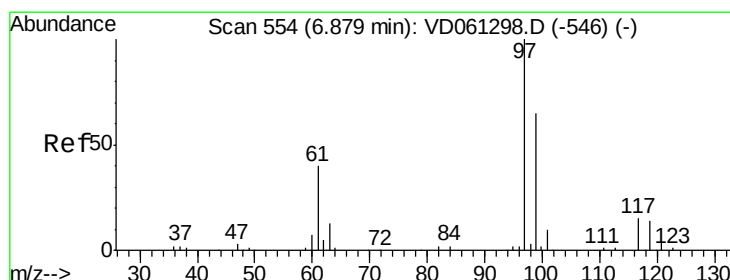
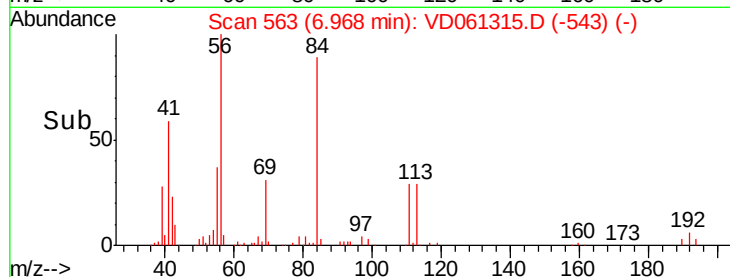
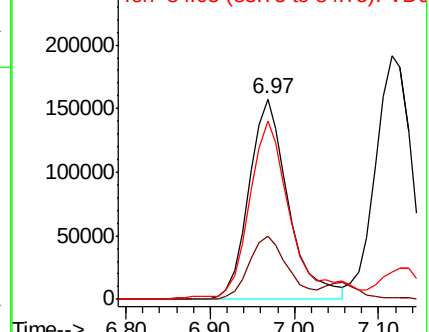


Abundance

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: 50.655 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

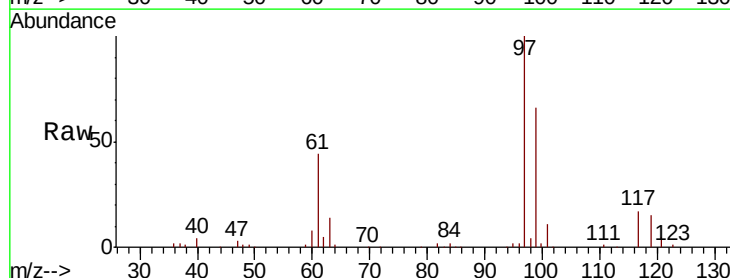
Tgt Ion: 97 Resp: 590122

Ion Ratio Lower Upper

97 100

99 65.6 51.8 77.6

61 44.0 31.9 47.9

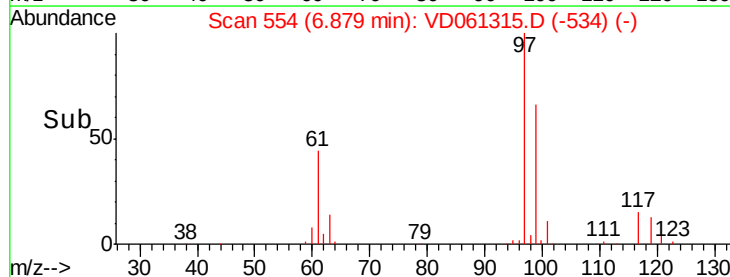
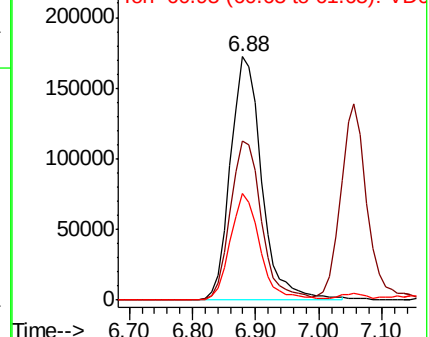


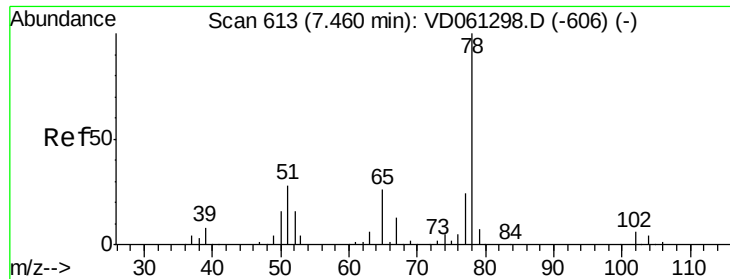
Abundance

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

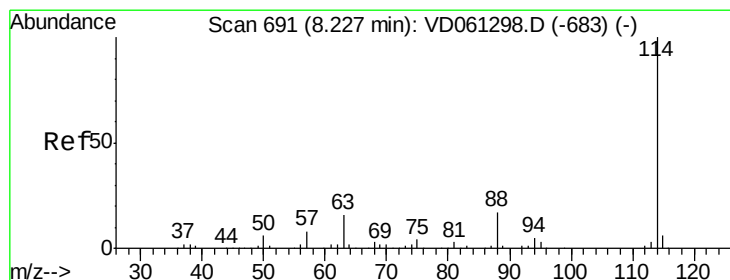
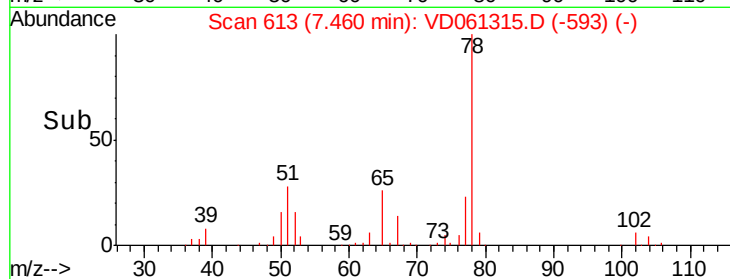
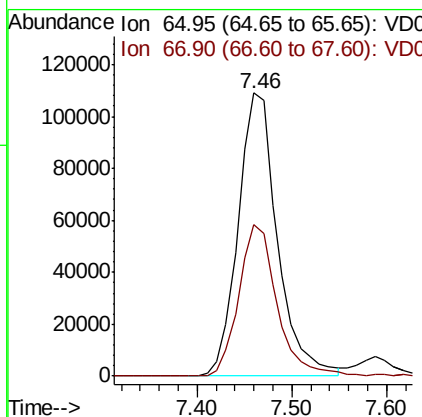
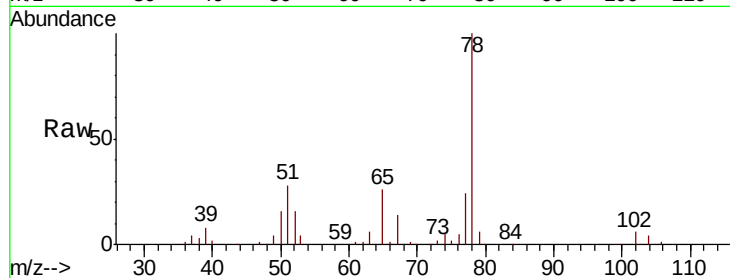




#33
 1,2-Dichloroethane-d4
 Concen: 50.655 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

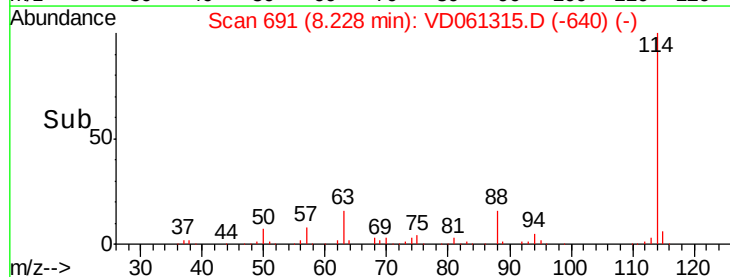
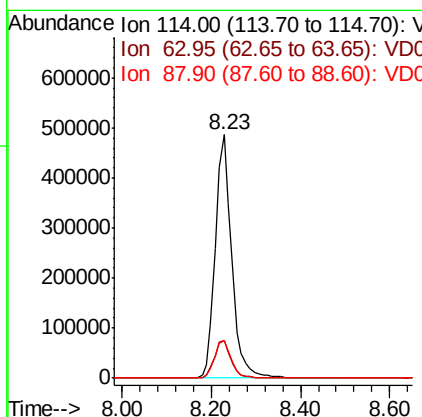
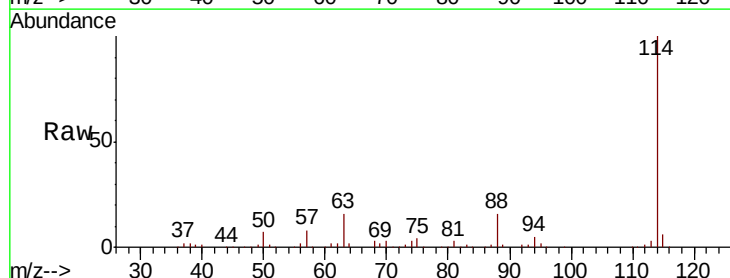
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

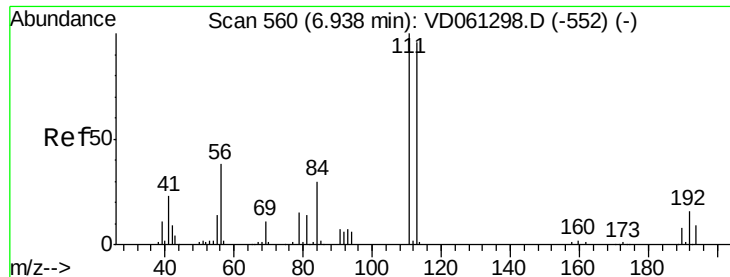
Tot Ion: 65 Resp: 313538
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 114 Resp: 1239548
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.4
 88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

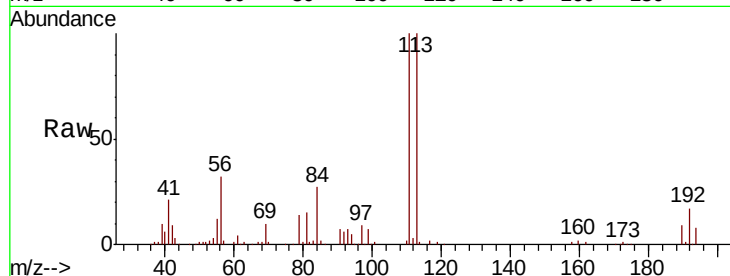
Tot Ion:113 Resp: 494547

Ion Ratio Lower Upper

113 100

111 99.9 83.7 125.5

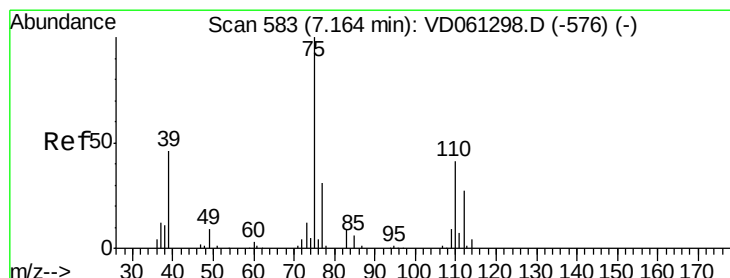
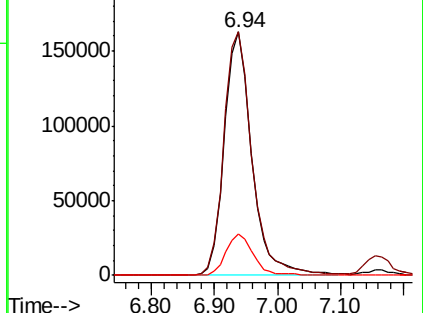
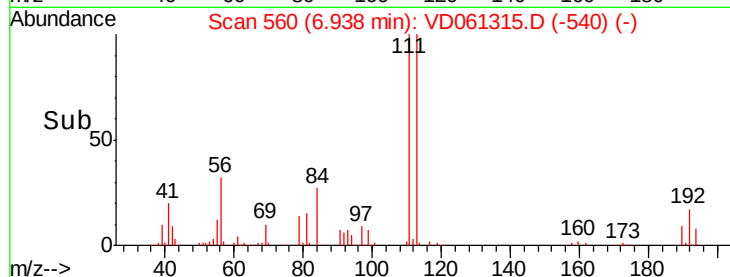
192 17.0 13.4 20.0



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: 49.002 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

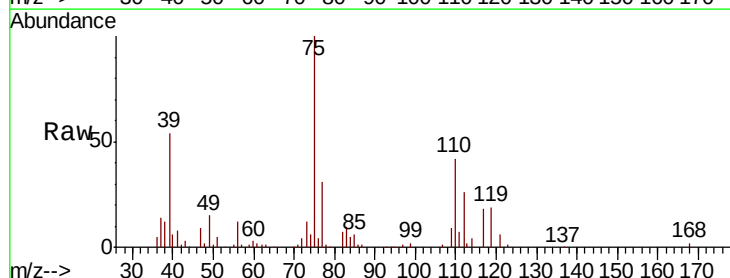
Tgt Ion: 75 Resp: 496951

Ion Ratio Lower Upper

75 100

110 42.3 20.1 60.2

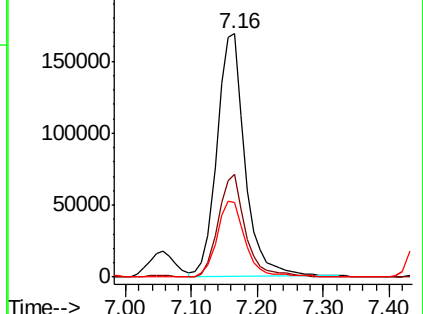
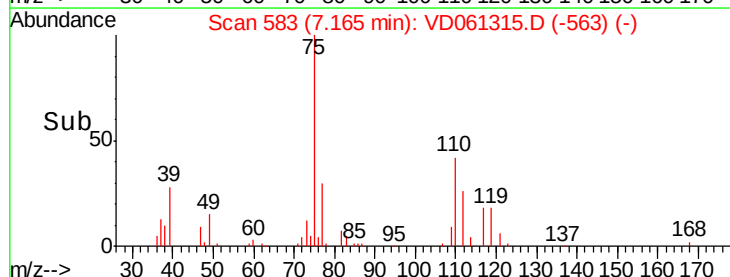
77 30.8 24.3 36.5

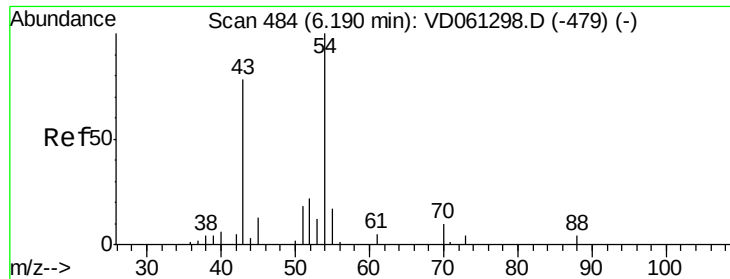


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

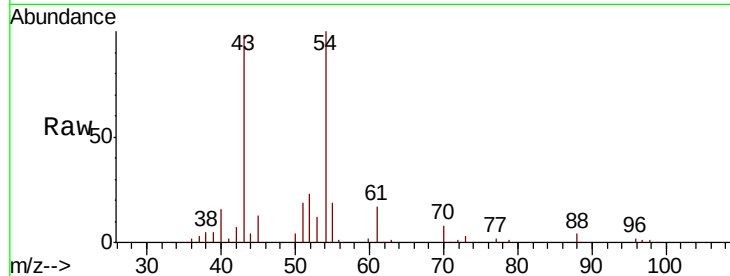




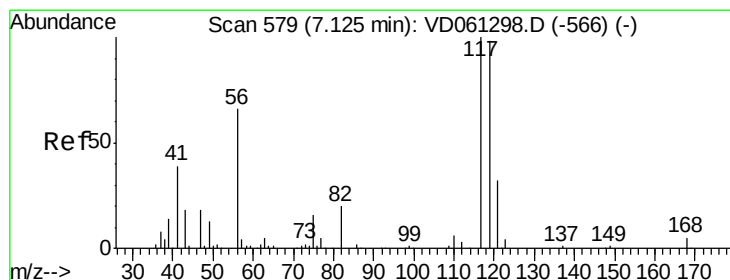
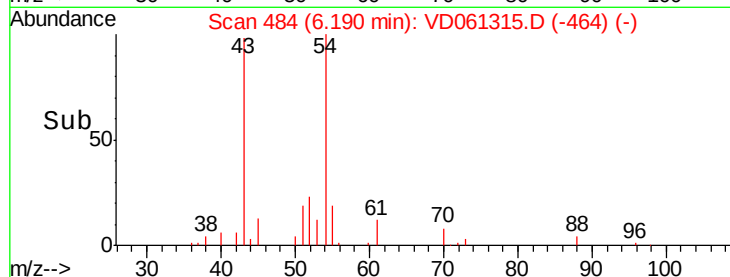
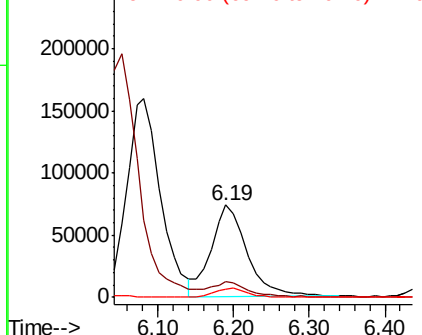
#37
Ethyl Acetate
Concen: 57.037 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 241603
Ion Ratio Lower Upper
43 100
61 17.6 12.6 19.0
70 8.3 8.2 12.4

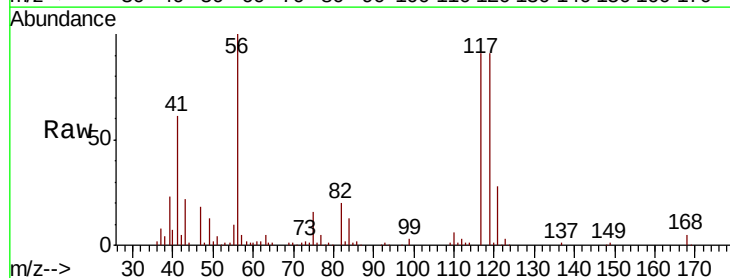


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

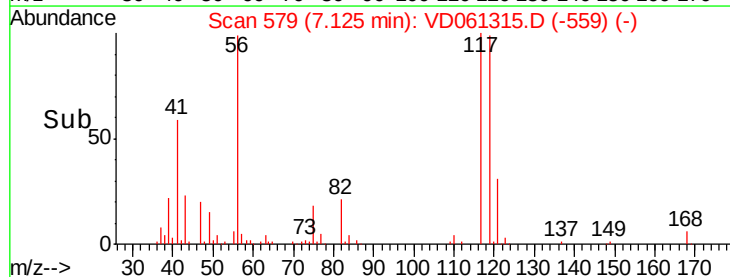
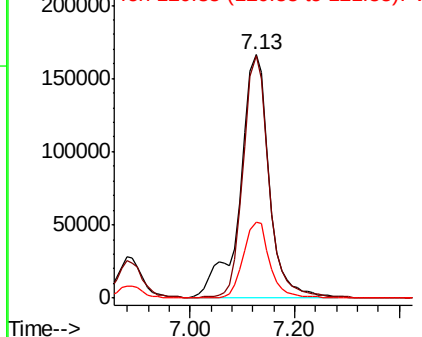


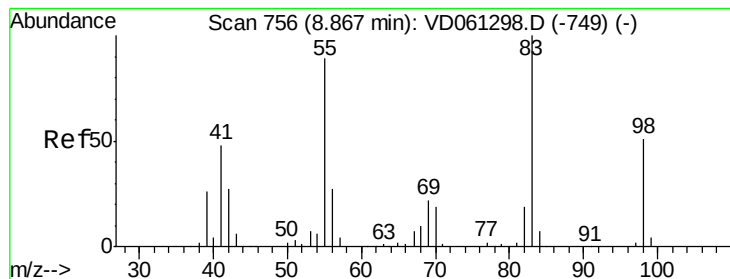
#38
Carbon Tetrachloride
Concen: 53.456 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 117 Resp: 619612
Ion Ratio Lower Upper
117 100
119 99.8 78.4 117.6
121 31.1 25.1 37.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 53.216 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

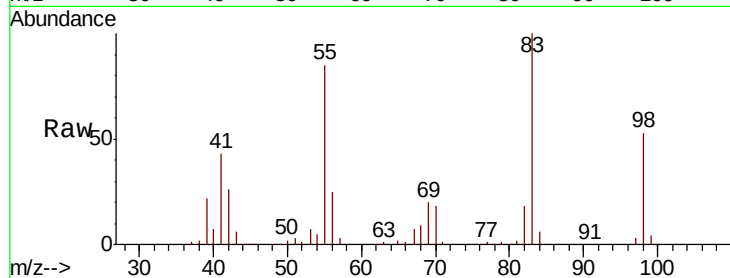
Tot Ion: 83 Resp: 558947

Ion Ratio Lower Upper

83 100

55 84.6 71.3 106.9

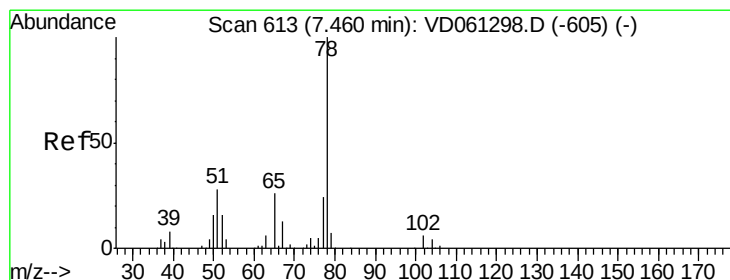
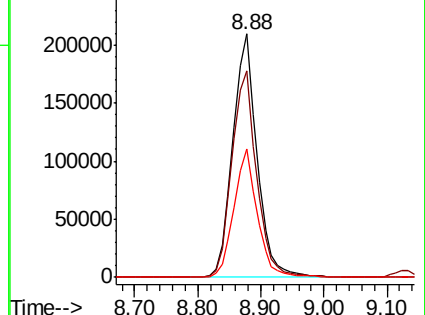
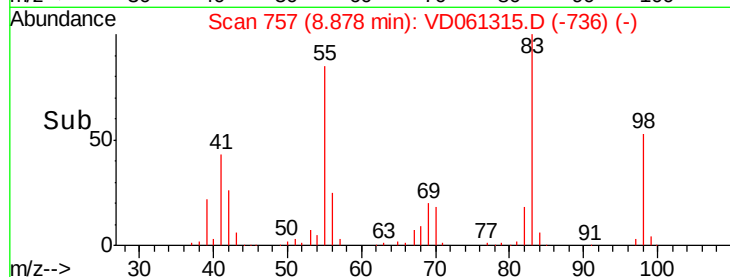
98 52.6 40.4 60.6



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: 52.011 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061315.D

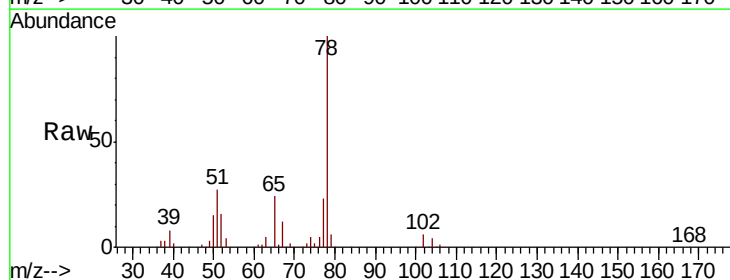
Acq: 25 Mar 2019 23:12

Tgt Ion: 78 Resp: 1309994

Ion Ratio Lower Upper

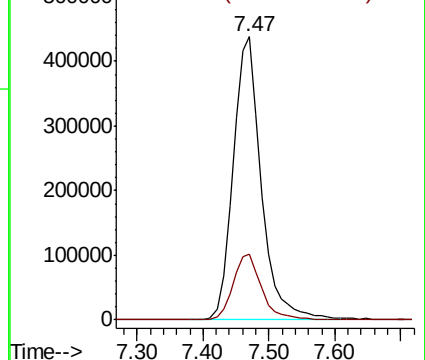
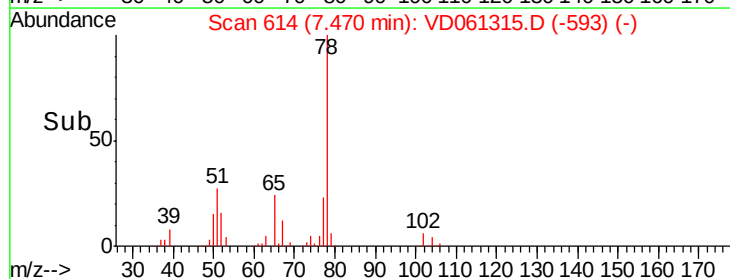
78 100

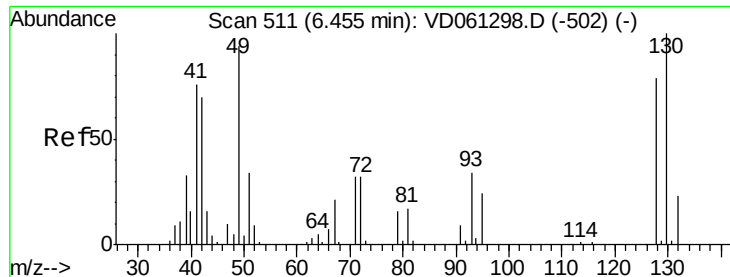
77 23.4 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

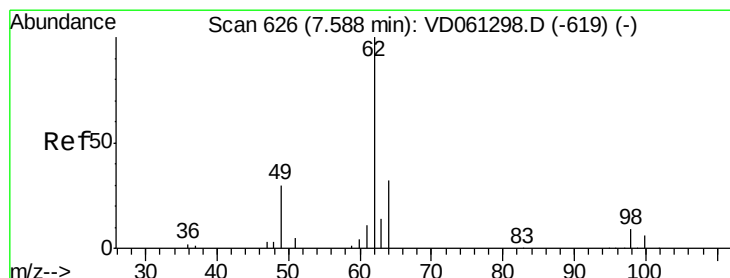
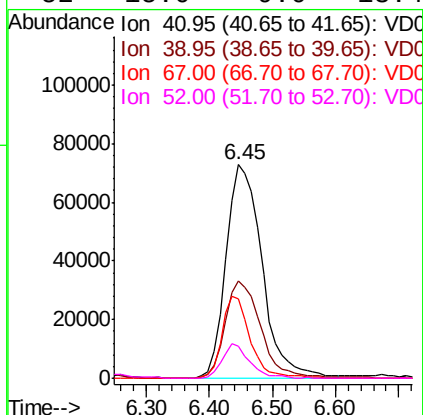
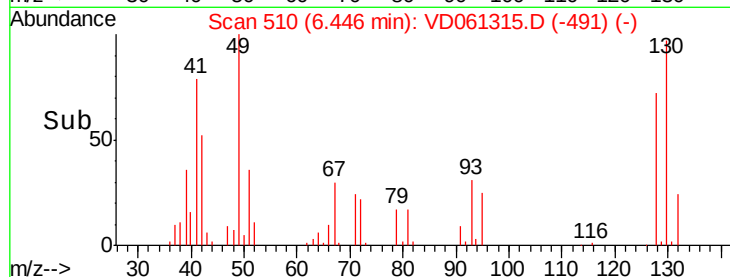
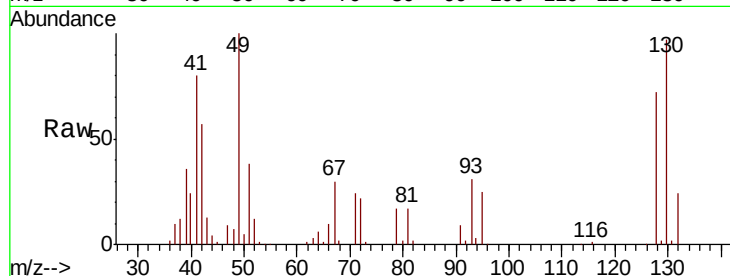




#41
Methacrylonitrile
Concen: 58.858 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

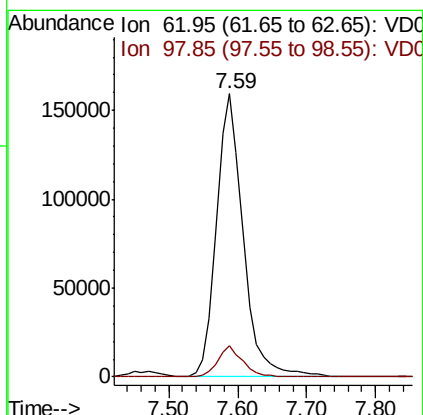
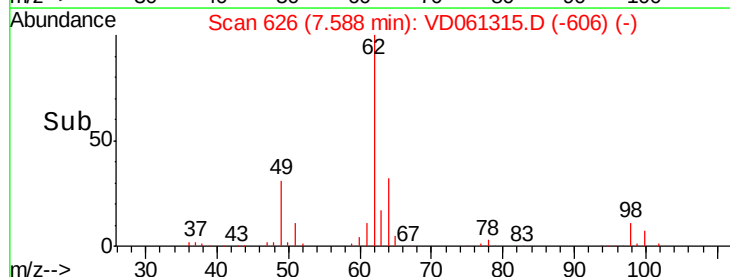
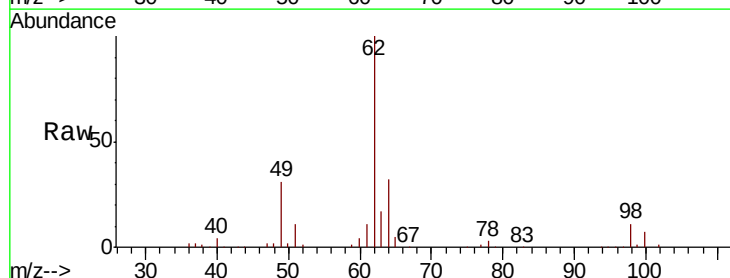
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

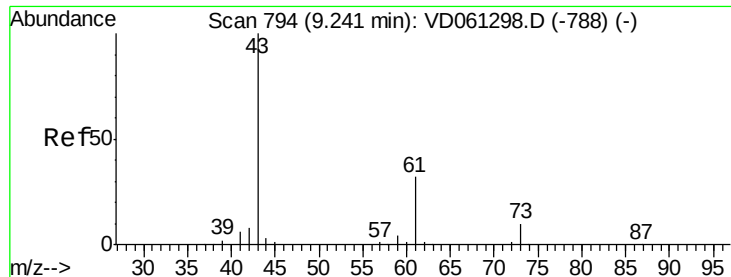
Tot Ion: 41 Resp: 289717
Ion Ratio Lower Upper
41 100
39 45.3 34.2 51.2
67 37.1 21.8 32.6#
52 15.0 9.0 13.4#



#42
1,2-Dichloroethane
Concen: 54.687 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 62 Resp: 429275
Ion Ratio Lower Upper
62 100
98 10.8 0.0 18.6





#43

Isopropyl Acetate

Concen: 59.467 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

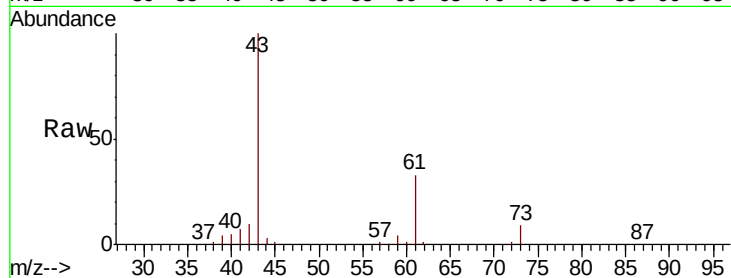
Tot Ion: 43 Resp: 363204

Ion Ratio Lower Upper

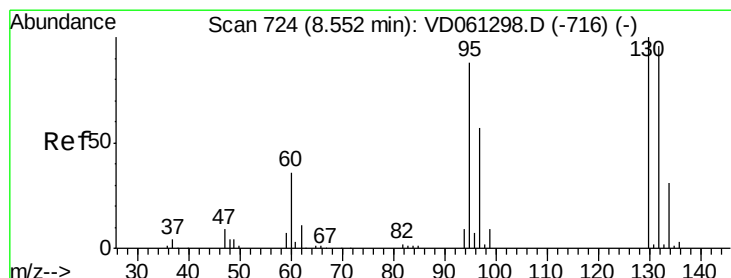
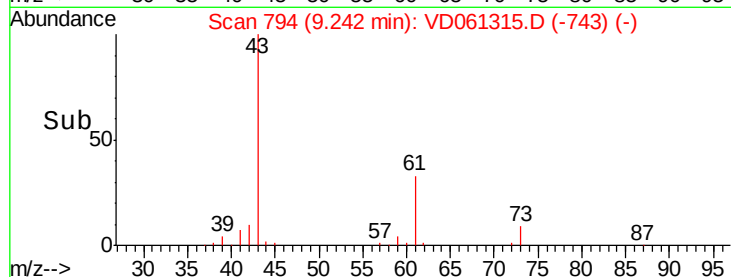
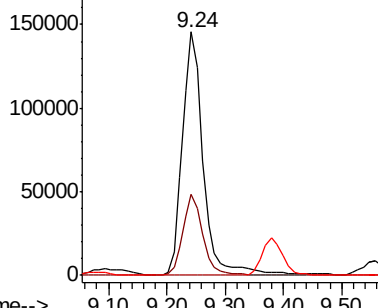
43 100

61 33.4 25.8 38.8

87 0.3 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: 55.958 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD061315.D

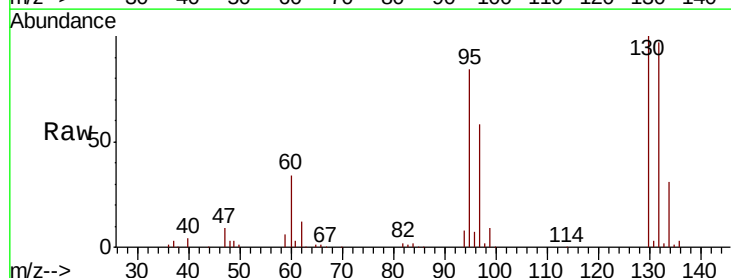
Acq: 25 Mar 2019 23:12

Tgt Ion:130 Resp: 509722

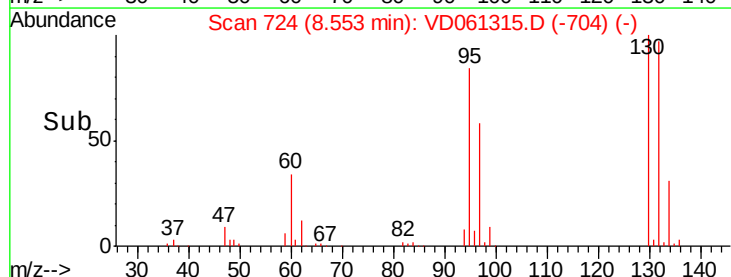
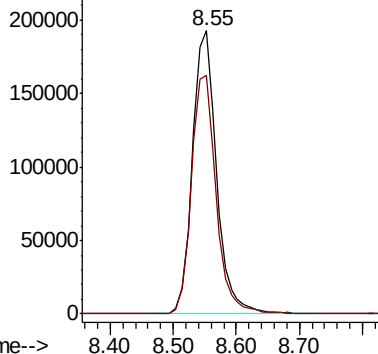
Ion Ratio Lower Upper

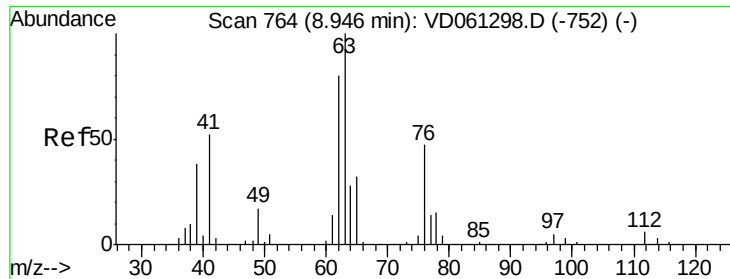
130 100

95 84.5 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: 55.692 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

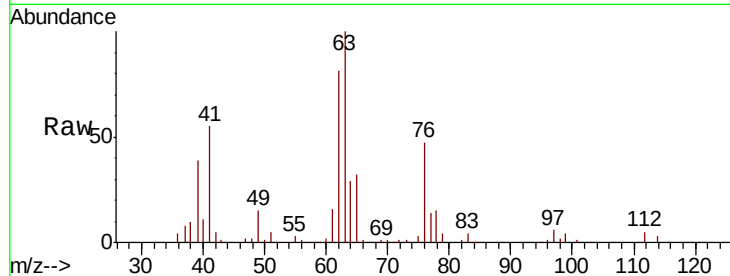
VSTDCCC050

Tot Ion: 63 Resp: 346204

Ion Ratio Lower Upper

63 100

65 31.6 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

150000

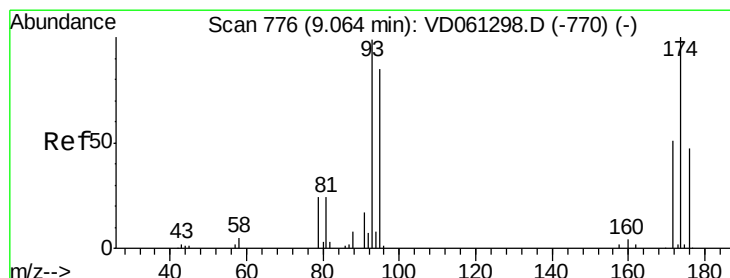
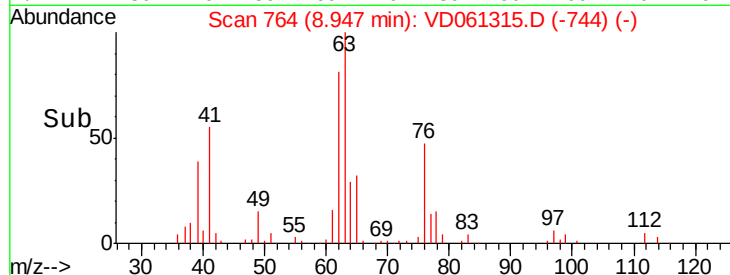
100000

50000

0

8.70 8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 54.785 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

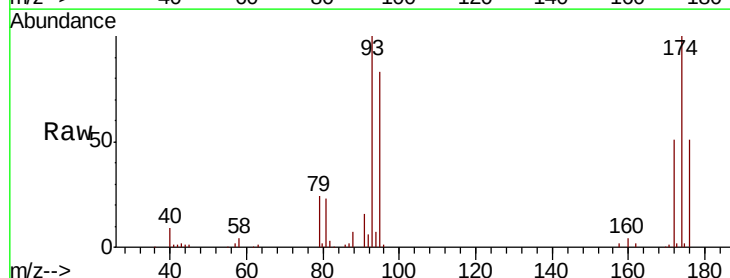
Tgt Ion: 93 Resp: 233443

Ion Ratio Lower Upper

93 100

95 82.8 68.1 102.1

174 100.1 80.4 120.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

60000

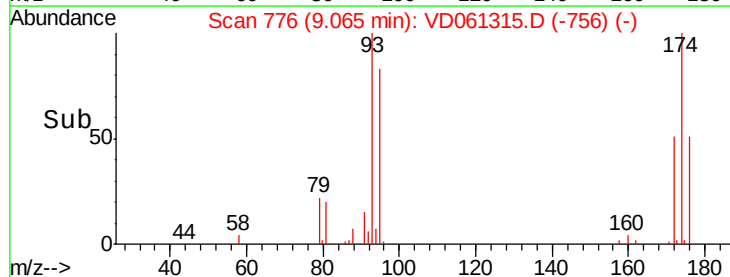
40000

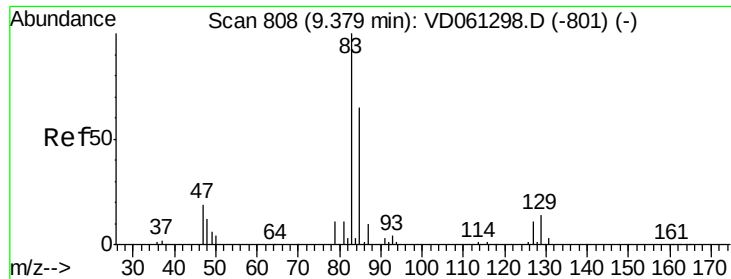
20000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 54.455 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

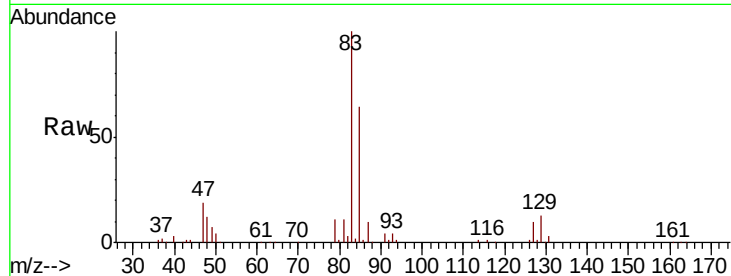
Tot Ion: 83 Resp: 543867

Ion Ratio Lower Upper

83 100

85 64.1 51.7 77.5

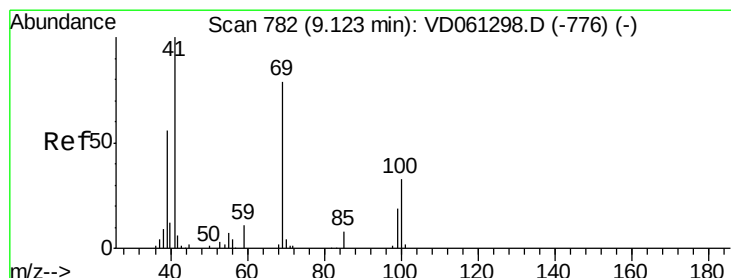
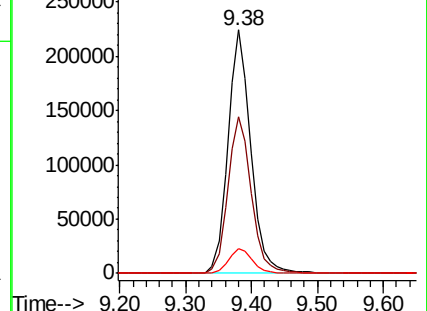
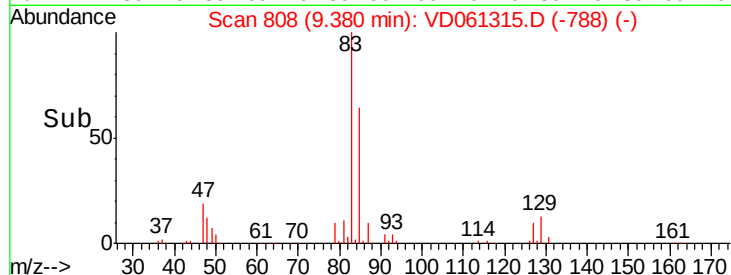
127 10.3 8.8 13.2



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): VDC



#48

Methyl methacrylate

Concen: 59.966 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

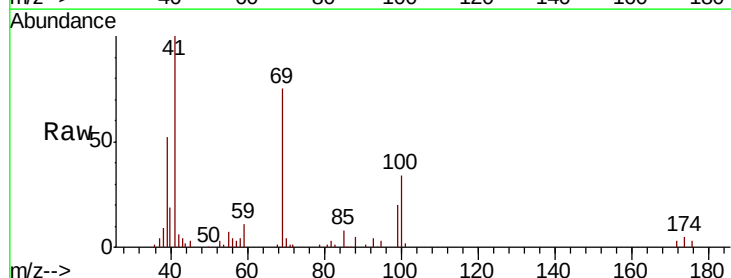
Tgt Ion: 41 Resp: 195484

Ion Ratio Lower Upper

41 100

69 75.0 62.4 93.6

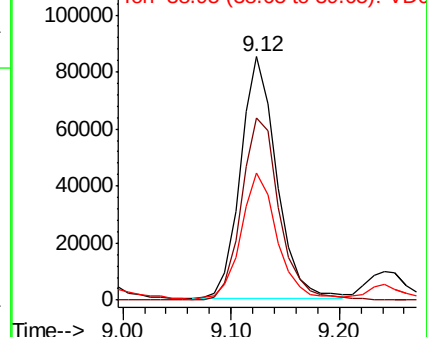
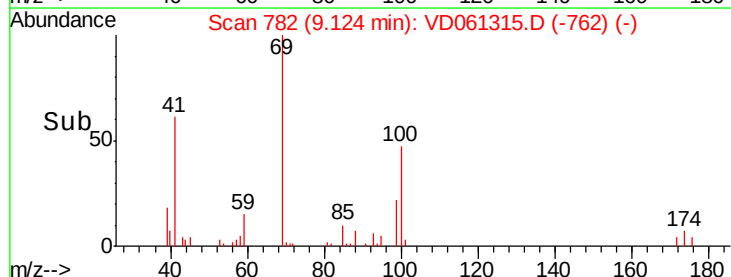
39 52.0 44.9 67.3

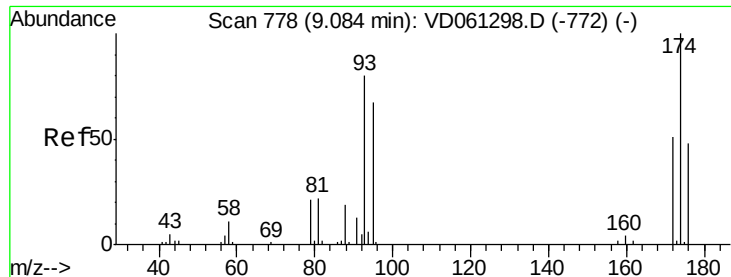


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

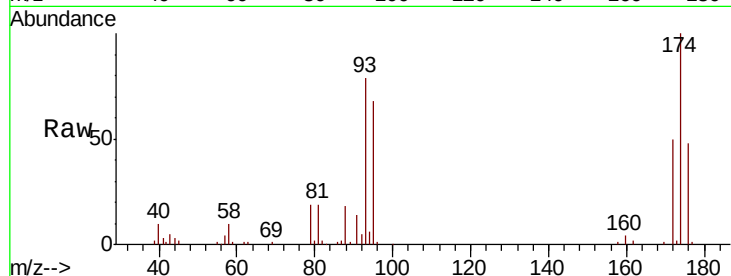




#49
1,4-Dioxane
Concen: 1187.836 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	42486
Ion	Ratio	Lower	Upper
88	100		
43	28.2	20.7	31.1
58	57.2	44.9	67.3

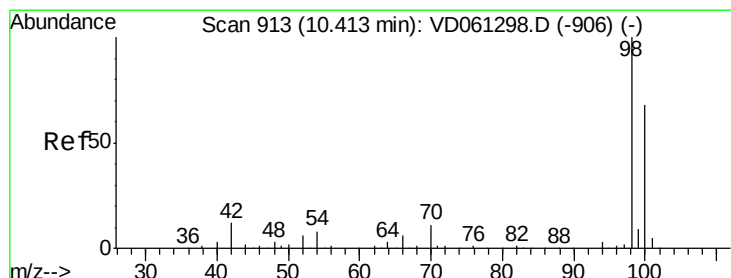
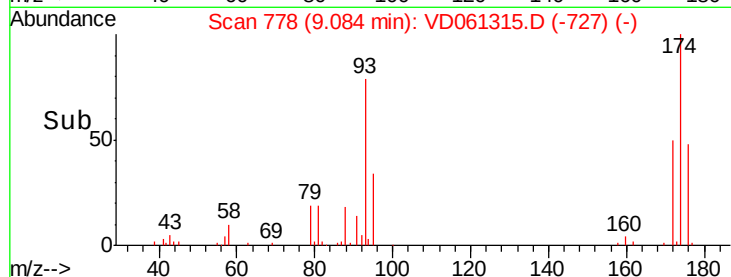
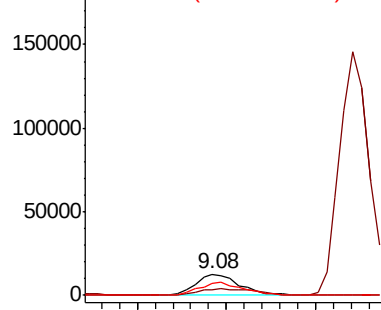


Abundance

Ion 88.00 (87.70 to 88.70): VDC

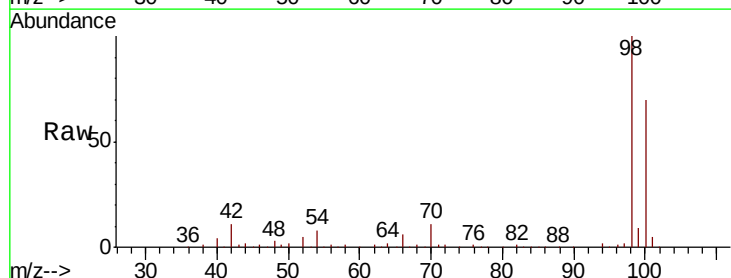
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 1187.836 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

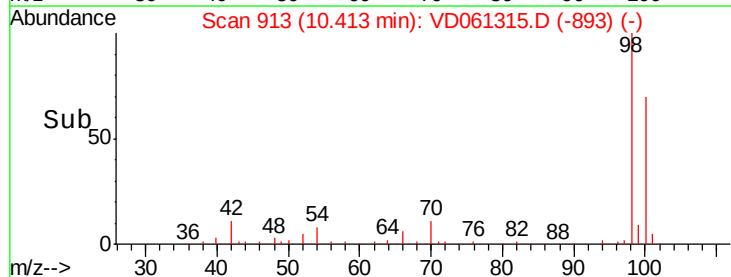
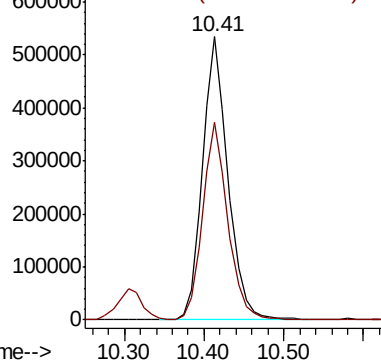
Tgt Ion	98	Resp	1187088
Ion	Ratio	Lower	Upper
98	100		
100	69.9	55.4	83.0

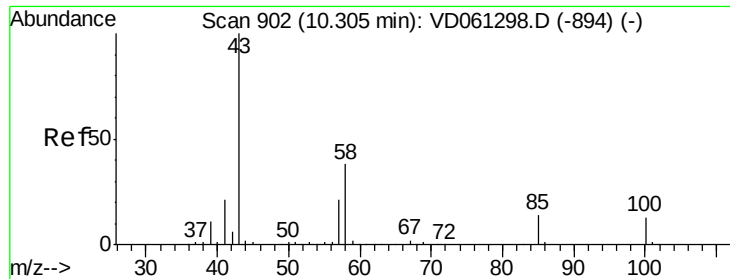


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 281.554 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

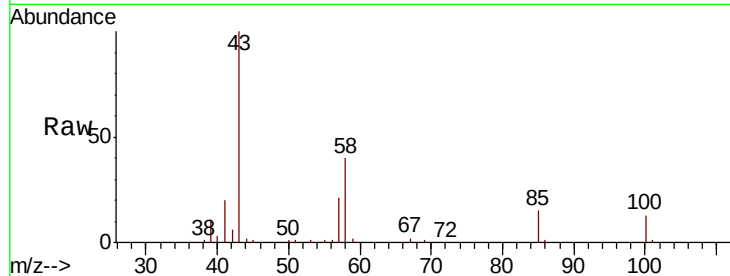
VSTDCCC050

Tot Ion: 43 Resp: 1023695

Ion Ratio Lower Upper

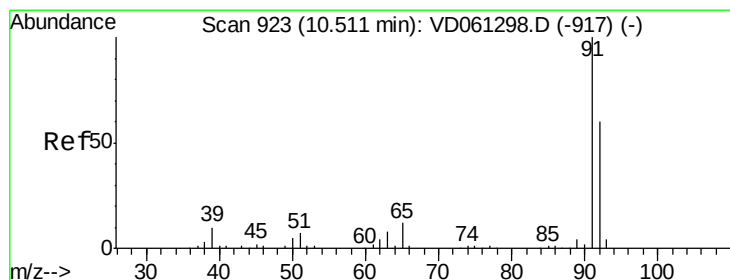
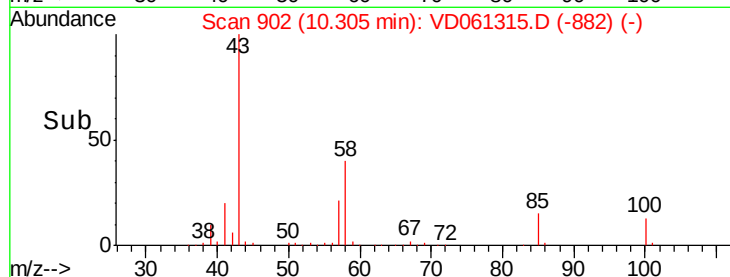
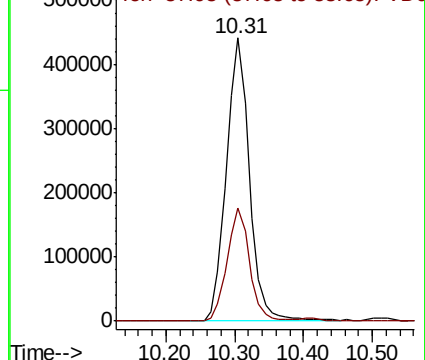
43 100

58 39.8 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: 54.917 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061315.D

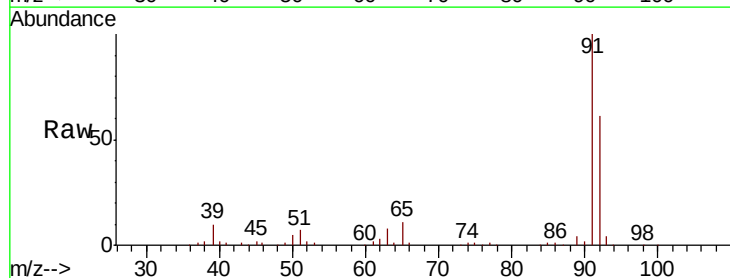
Acq: 25 Mar 2019 23:12

Tgt Ion: 92 Resp: 846340

Ion Ratio Lower Upper

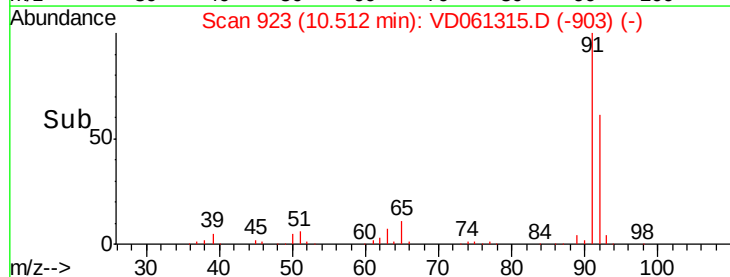
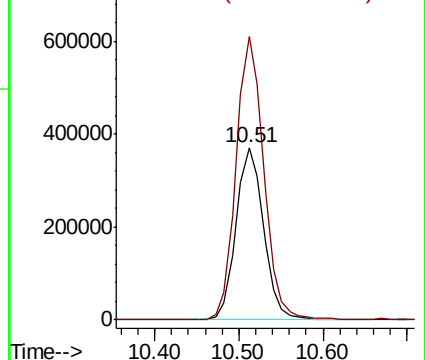
92 100

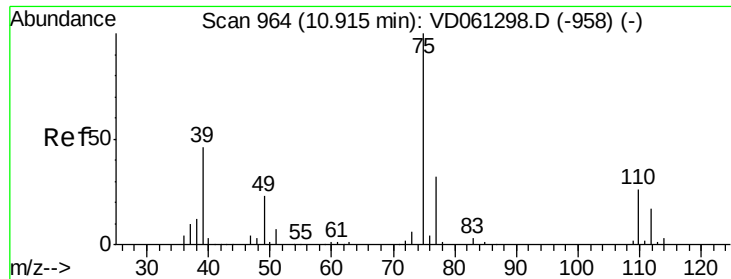
91 164.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

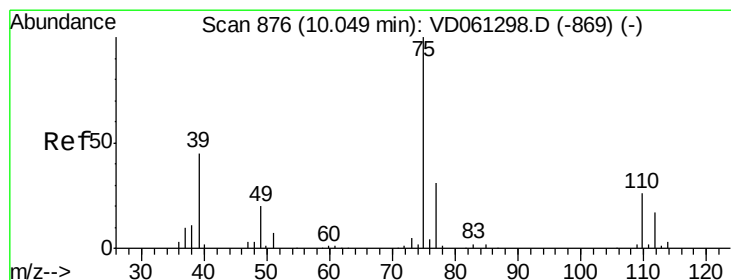
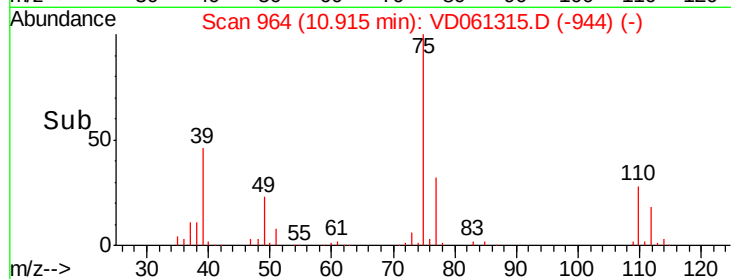
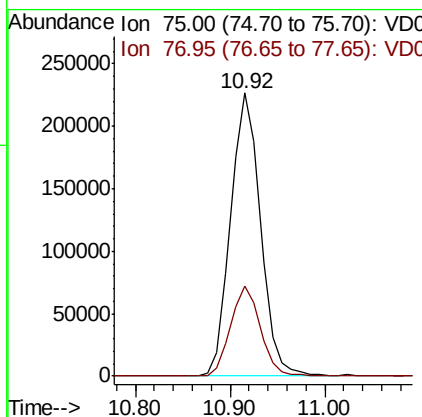
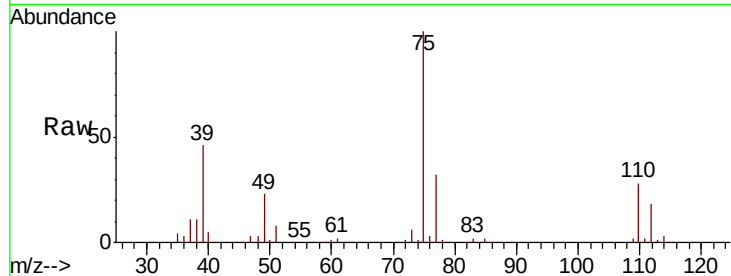




#53
 t-1,3-Dichloropropene
 Concen: 57.027 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

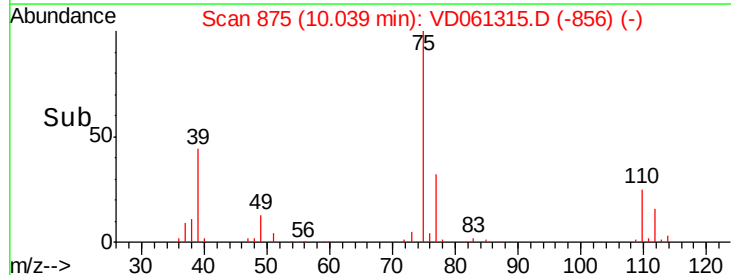
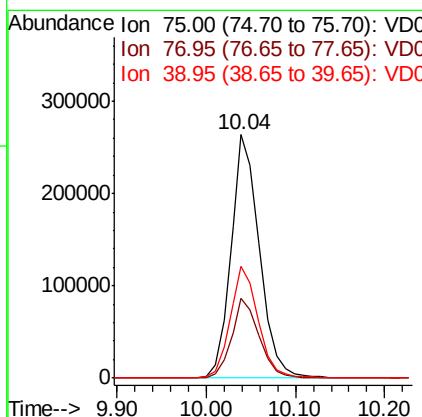
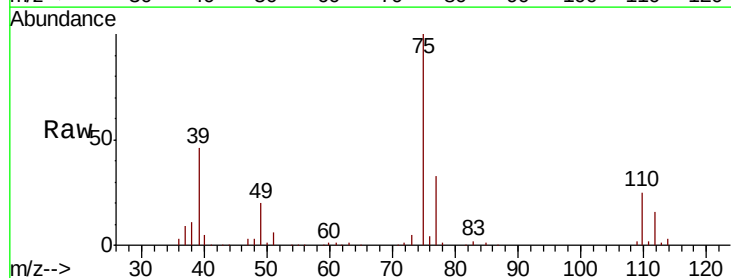
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

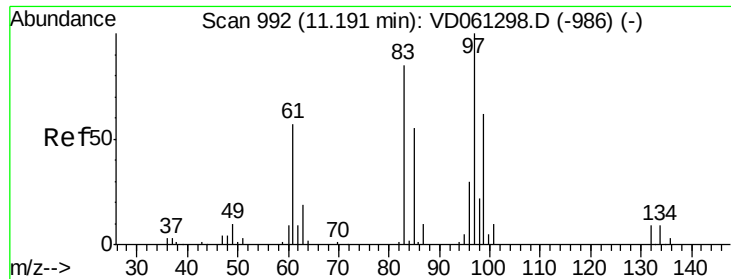
Tot Ion: 75 Resp: 494970
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 55.424 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 75 Resp: 587419
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.9 37.3
 39 46.0 36.0 54.0

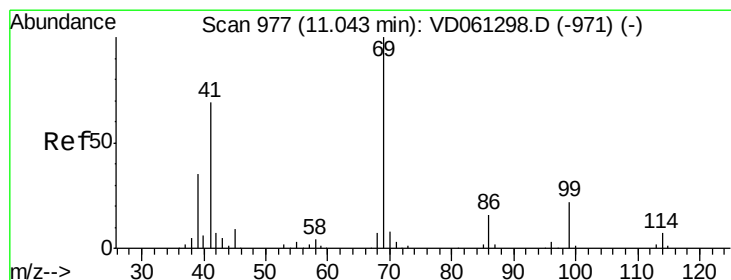
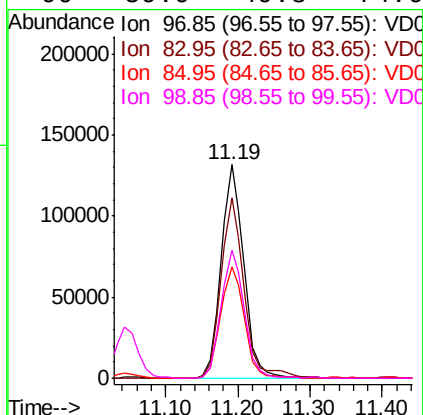
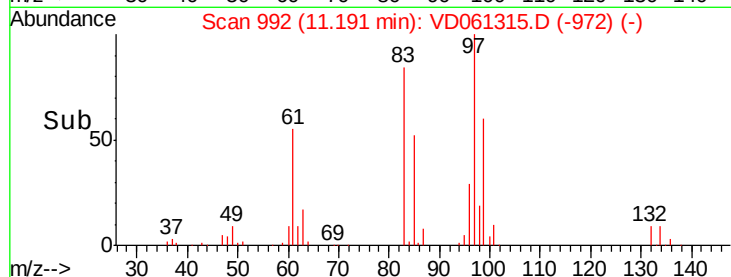
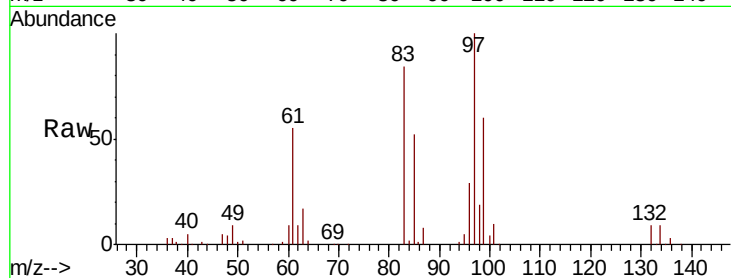




#55
1,1,2-Trichloroethane
Concen: 55.916 ug/l
RT: 11.19 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

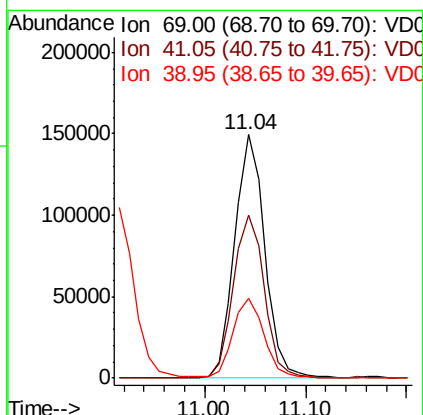
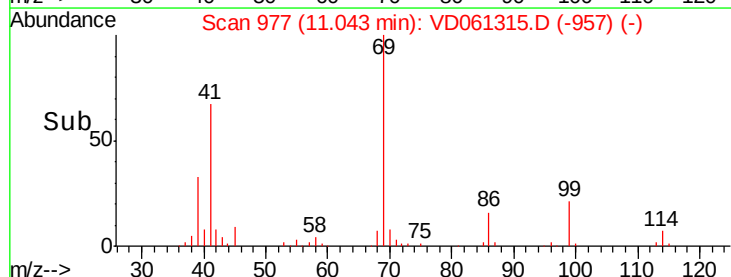
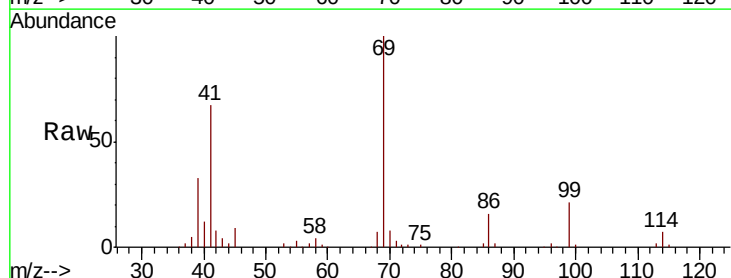
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

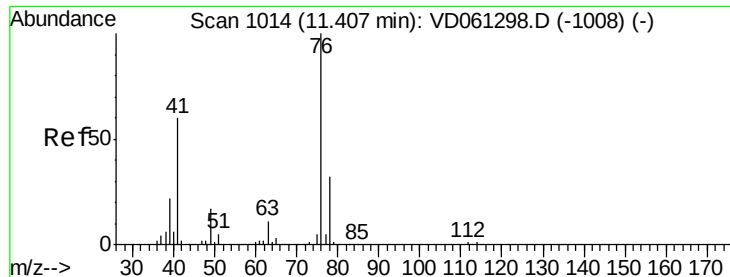
Tot Ion: 97 Resp: 286095
Ion Ratio Lower Upper
97 100
83 84.3 67.7 101.5
85 52.0 43.8 65.8
99 59.9 49.8 74.6



#56
Ethyl methacrylate
Concen: 57.018 ug/l
RT: 11.04 min Scan# 977
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 69 Resp: 311306
Ion Ratio Lower Upper
69 100
41 66.8 54.9 82.3
39 32.8 28.5 42.7

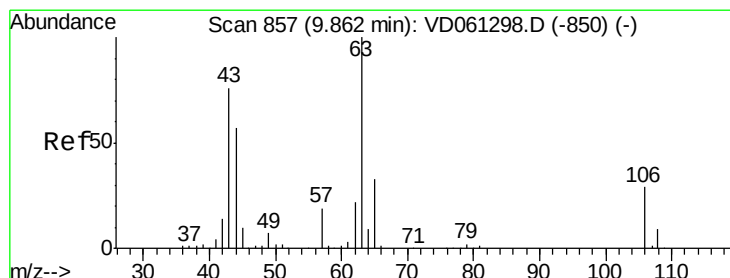
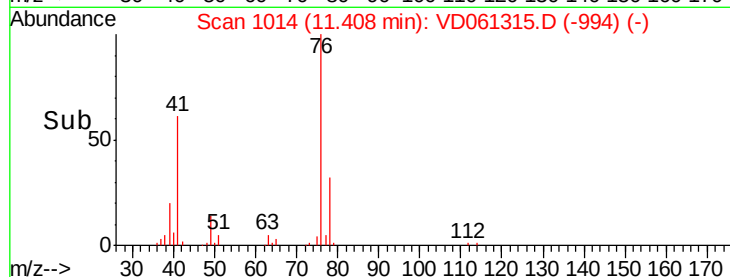
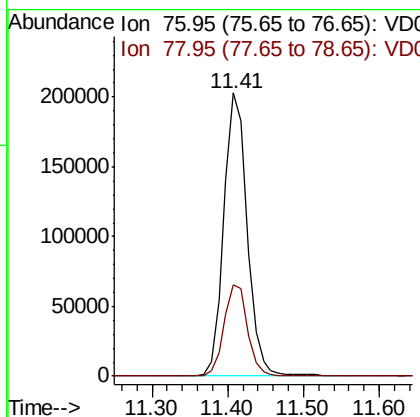
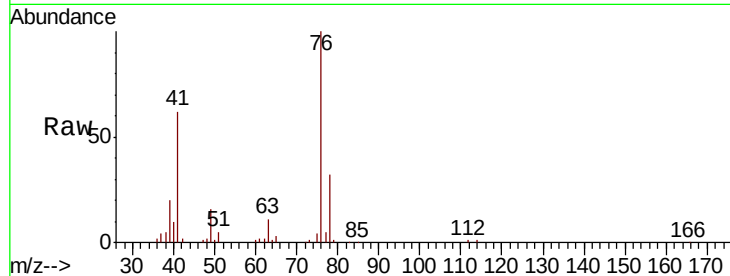




#57
 1,3-Dichloropropane
 Concen: 56.335 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

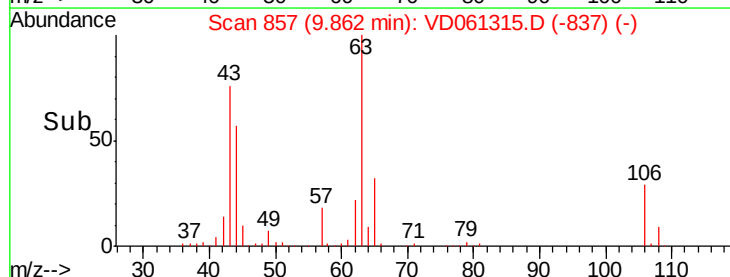
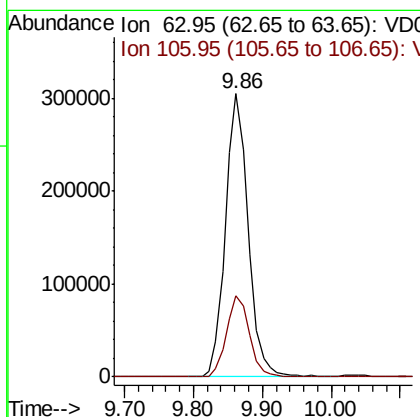
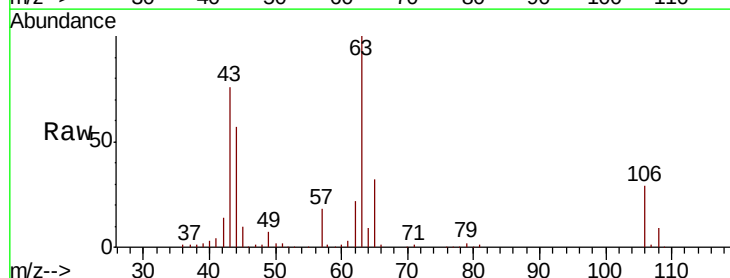
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

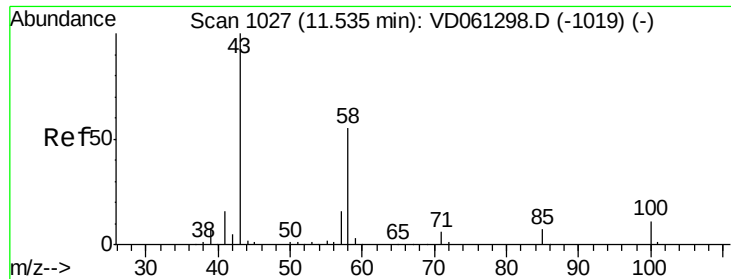
Tot Ion: 76 Resp: 435311
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.452 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 63 Resp: 697174
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.4 35.0

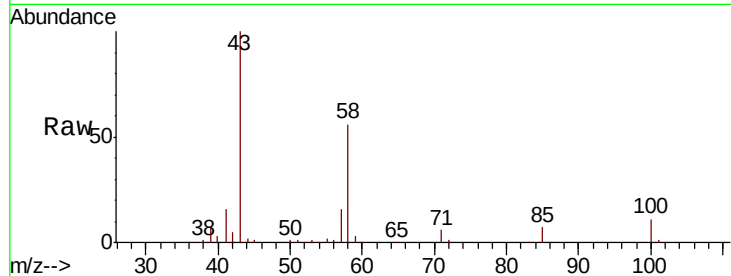




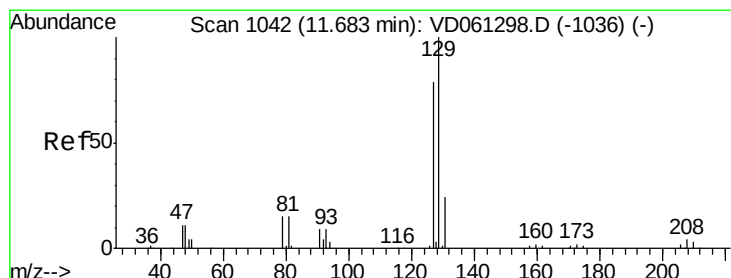
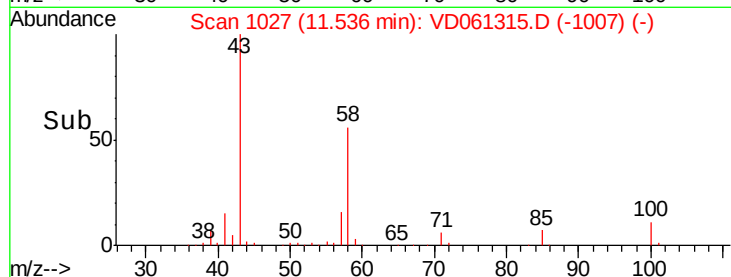
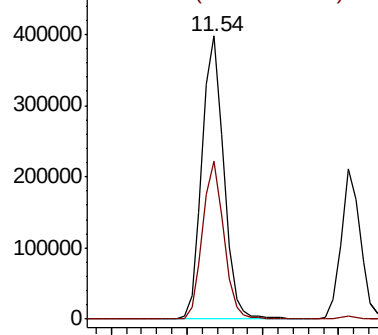
#59
2-Hexanone
Concen: 298.157 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 787343
Ion Ratio Lower Upper
43 100
58 55.8 27.4 82.0

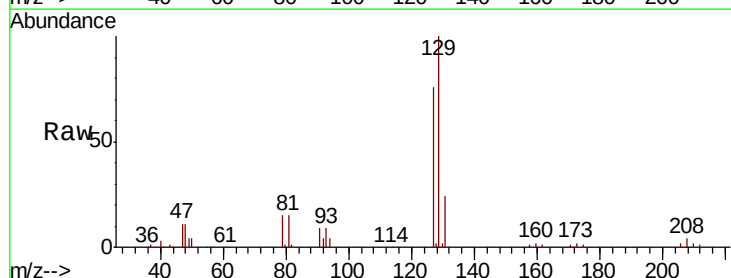


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

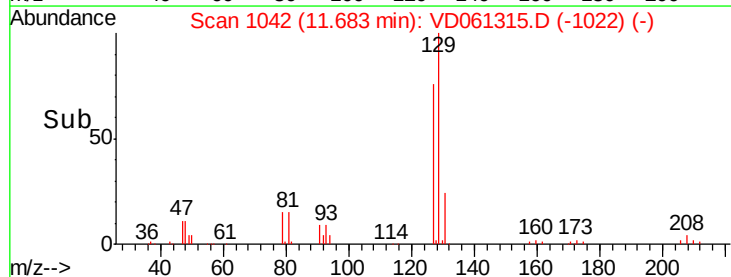
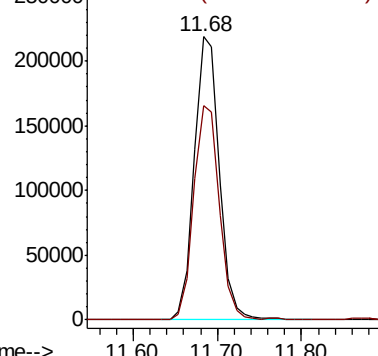


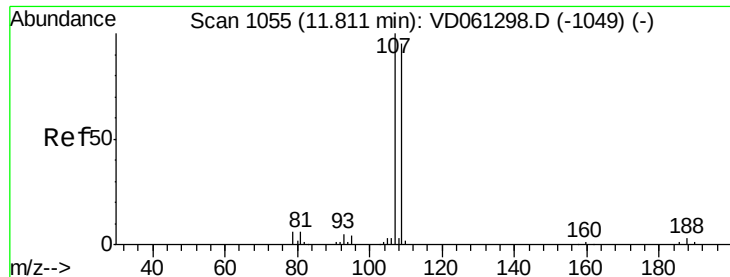
#60
Dibromochloromethane
Concen: 56.244 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 129 Resp: 450721
Ion Ratio Lower Upper
129 100
127 75.5 39.6 119.0



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

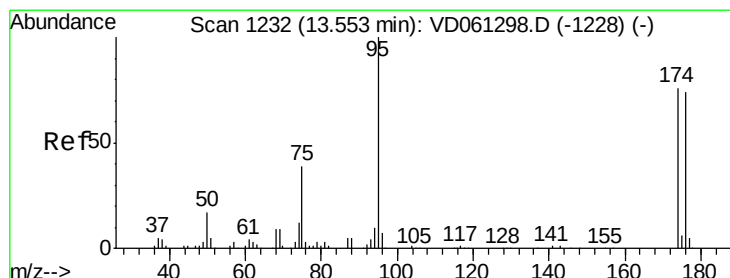
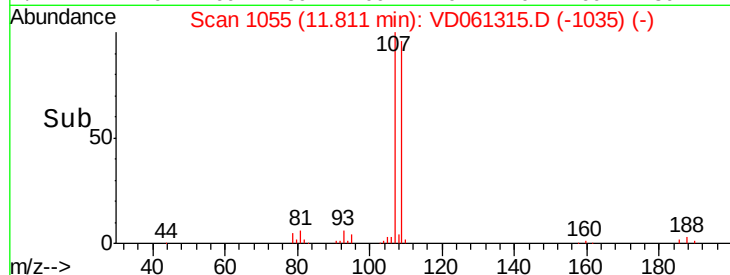
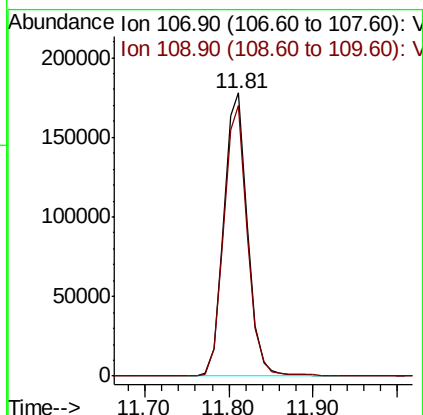
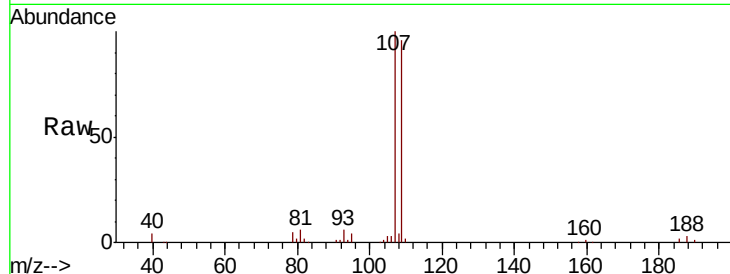




#61
 1,2-Dibromoethane
 Concen: 57.821 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

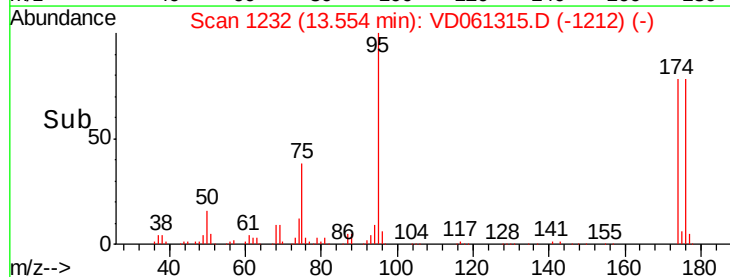
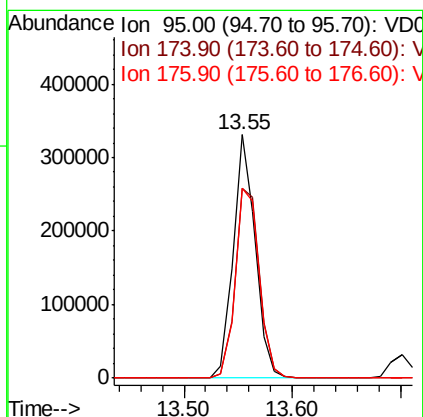
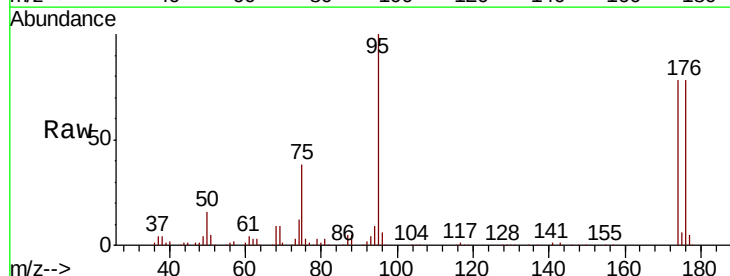
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

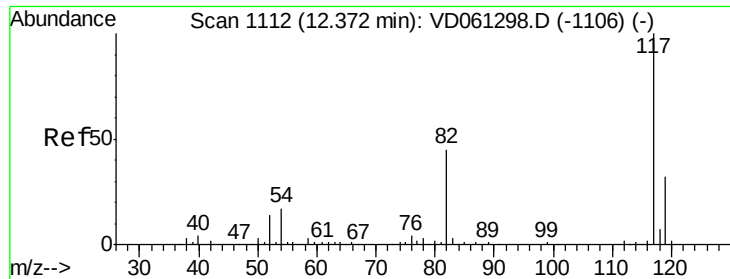
Tot Ion:107 Resp: 345667
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 57.821 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 95 Resp: 467803
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 151.8
 176 77.9 0.0 148.0

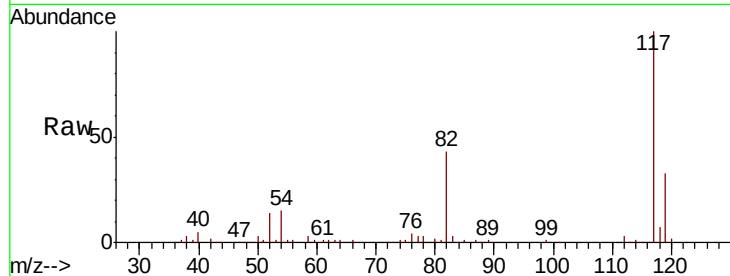




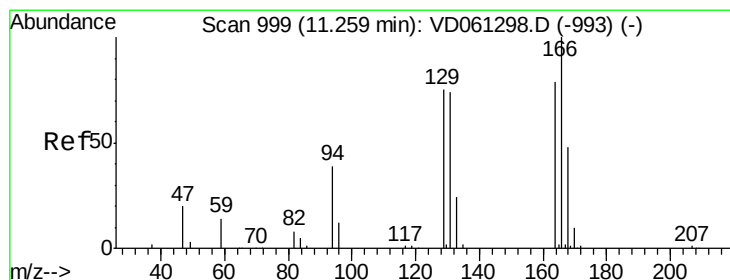
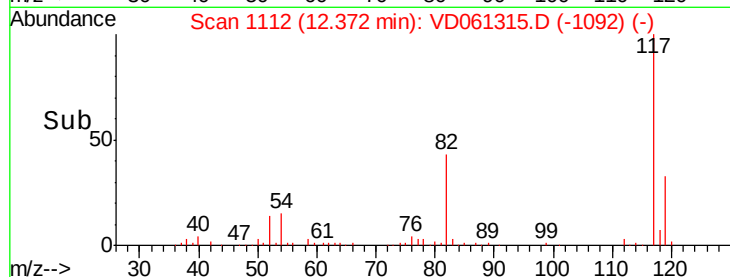
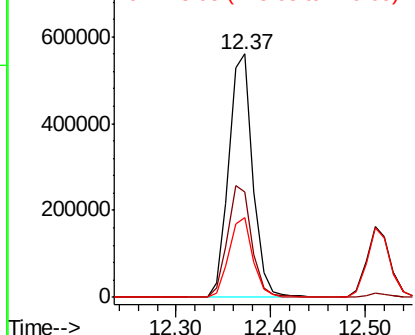
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 988956
Ion Ratio Lower Upper
117 100
82 43.1 35.7 53.5
119 32.8 25.9 38.9

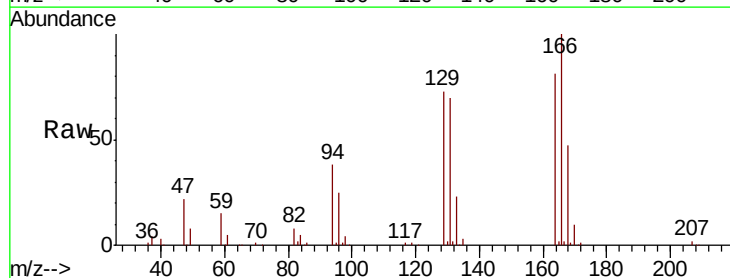


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

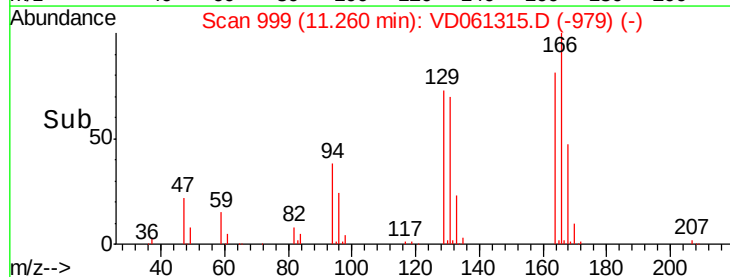
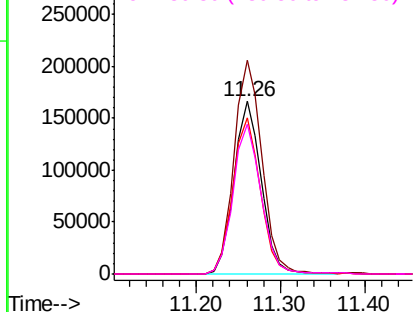


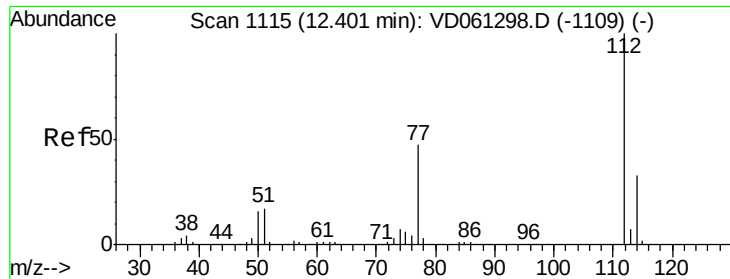
#64
Tetrachloroethene
Concen: 55.070 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion:164 Resp: 375173
Ion Ratio Lower Upper
164 100
166 123.8 101.6 152.4
129 90.5 75.9 113.9
131 86.8 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

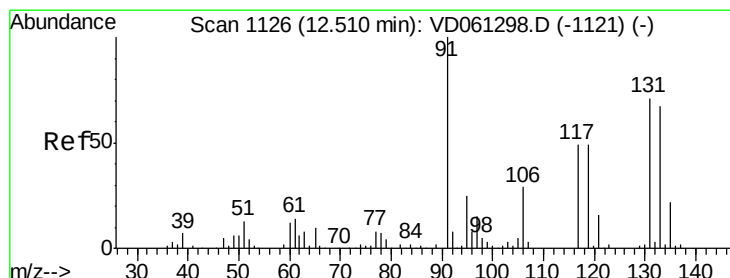
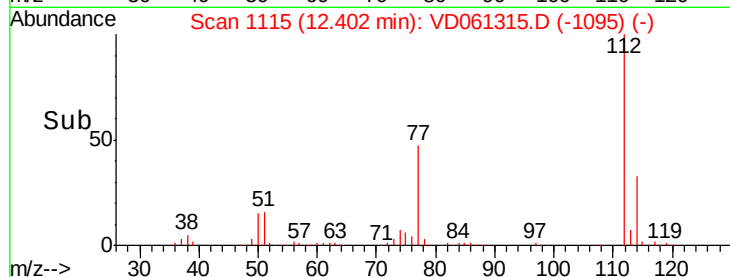
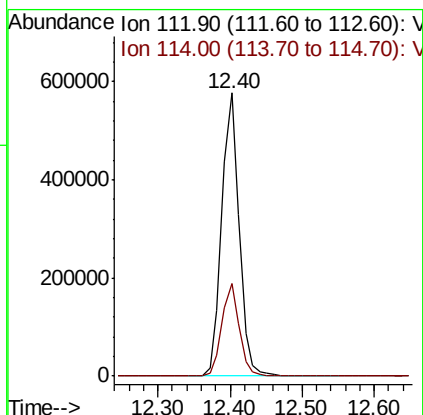
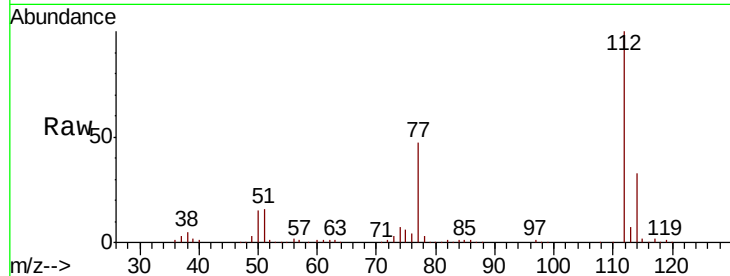




#65
Chlorobenzene
Concen: 52.849 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

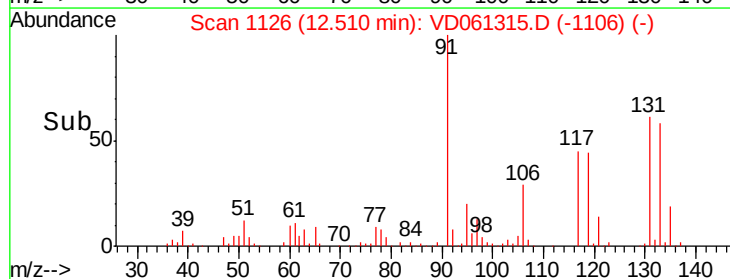
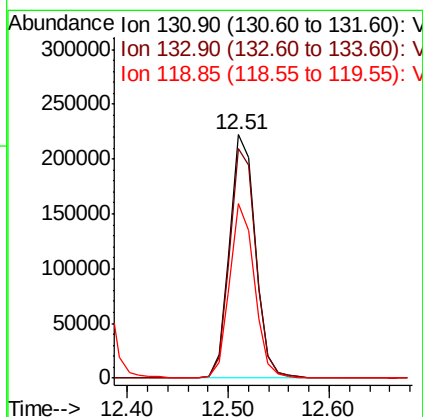
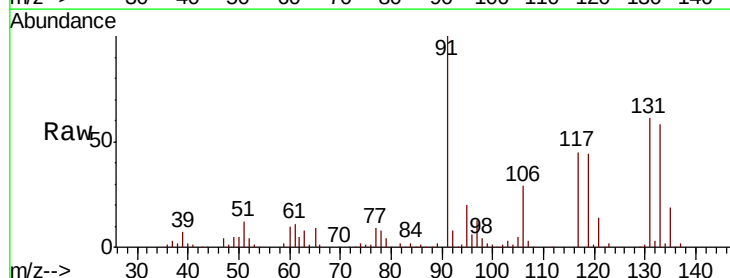
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

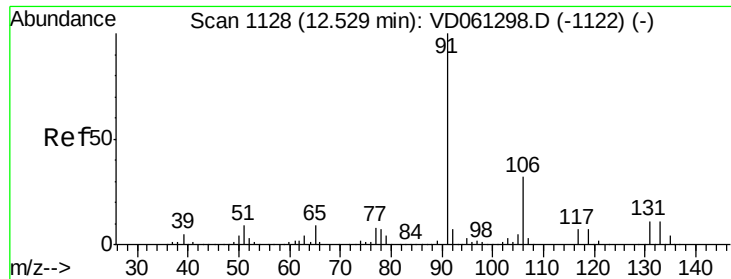
Tot Ion:112 Resp: 962676
Ion Ratio Lower Upper
112 100
114 32.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.934 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion:131 Resp: 395020
Ion Ratio Lower Upper
131 100
133 94.4 47.0 141.2
119 71.7 34.8 104.5

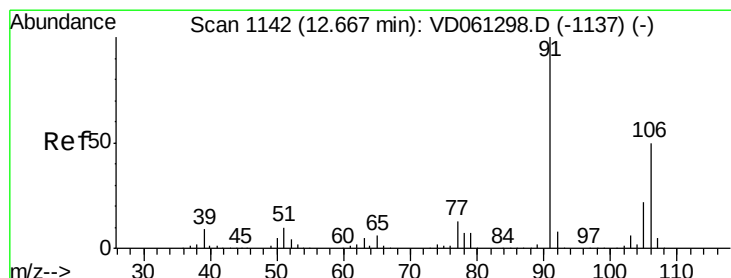
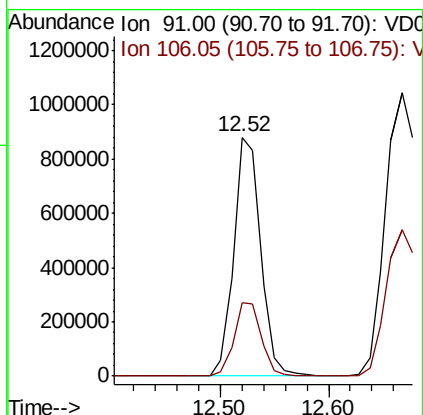
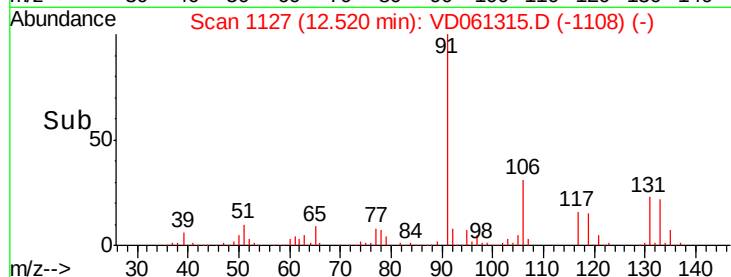
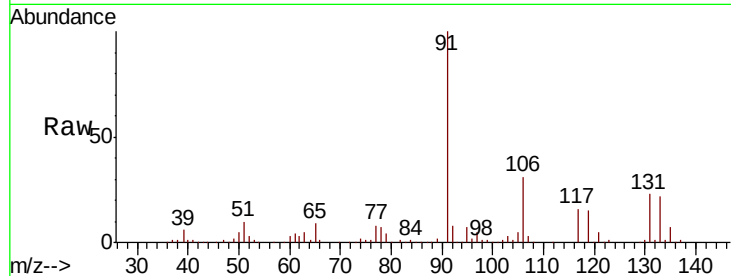




#67
Ethyl Benzene
Concen: 54.728 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

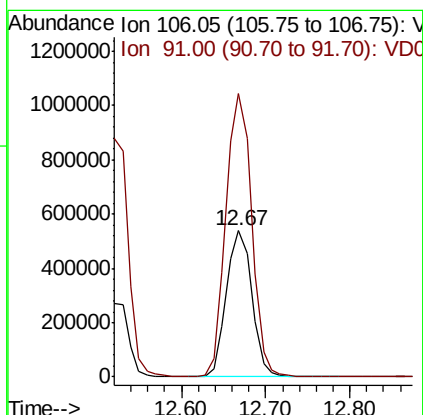
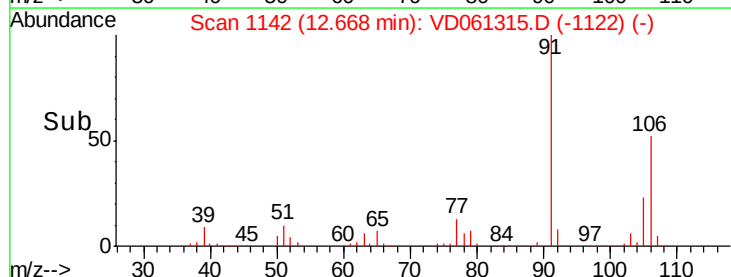
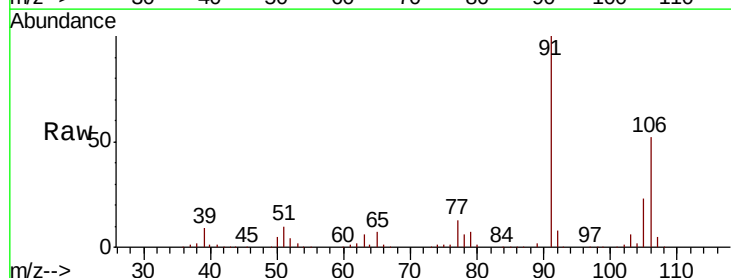
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

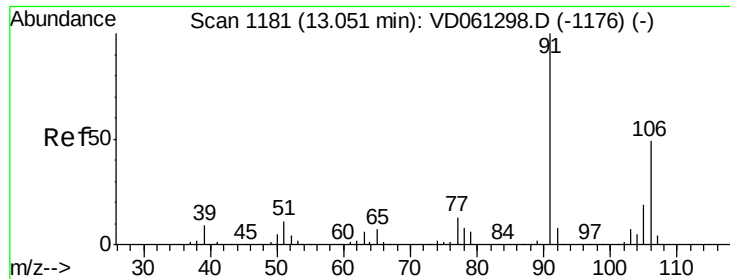
Tot Ion: 91 Resp: 1525661
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.8



#68
m/p-Xylenes
Concen: 104.059 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion:106 Resp: 1132360
Ion Ratio Lower Upper
106 100
91 193.7 159.2 238.8

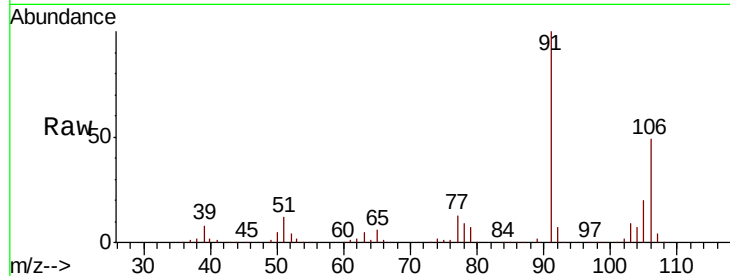




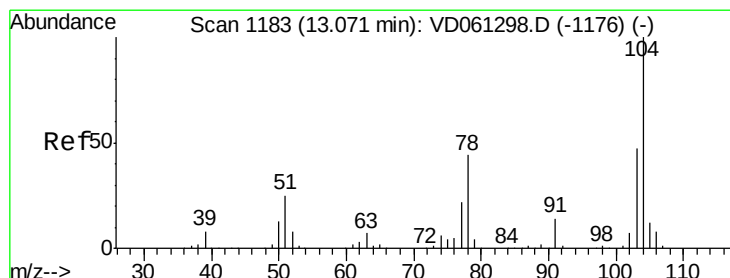
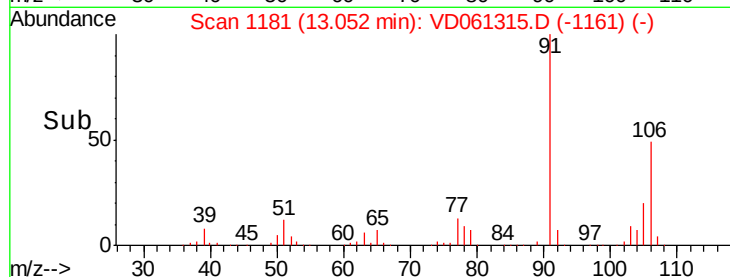
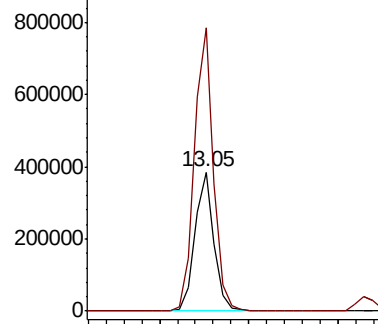
#69
o-Xylene
Concen: 56.934 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 574608
Ion Ratio Lower Upper
106 100
91 204.0 102.5 307.5

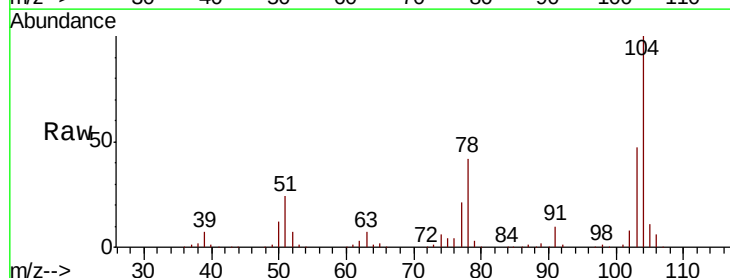


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

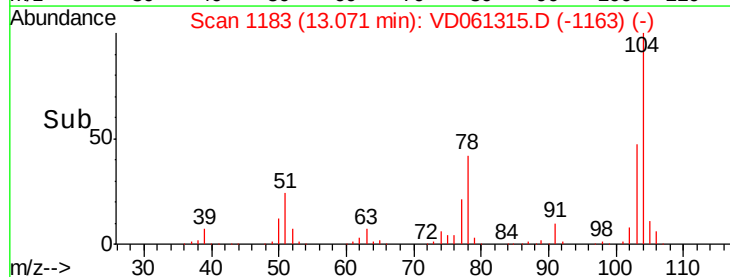
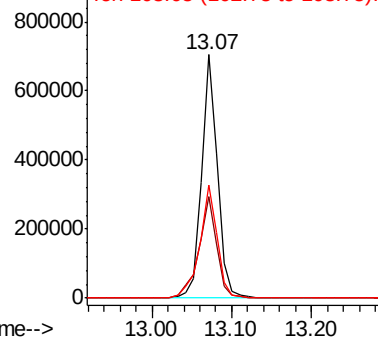


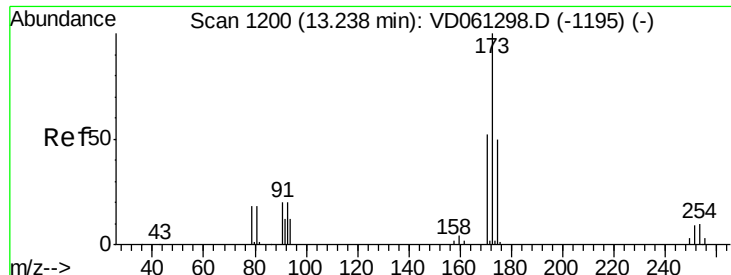
#70
Styrene
Concen: 57.729 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion:104 Resp: 988808
Ion Ratio Lower Upper
104 100
78 41.6 35.1 52.7
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 60.160 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

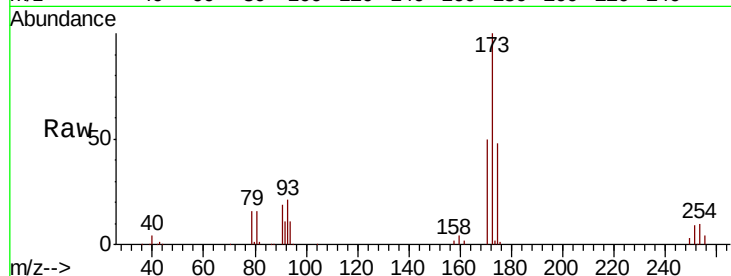
Tot Ion:173 Resp: 259993

Ion Ratio Lower Upper

173 100

175 47.7 24.9 74.7

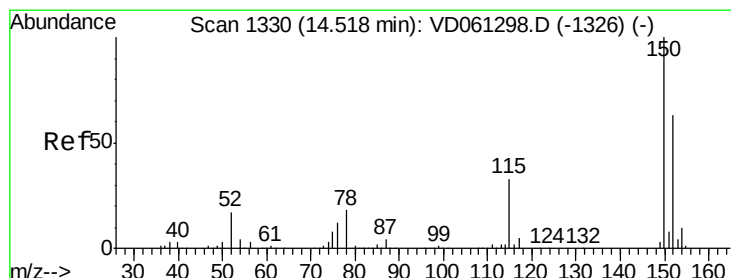
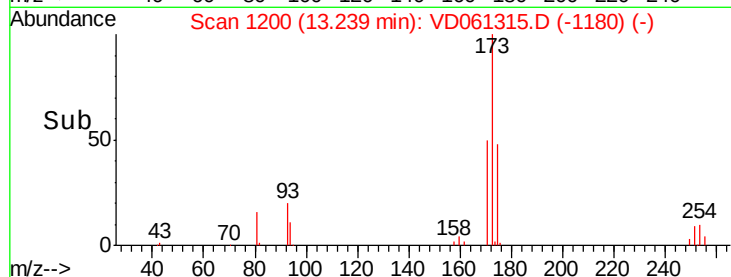
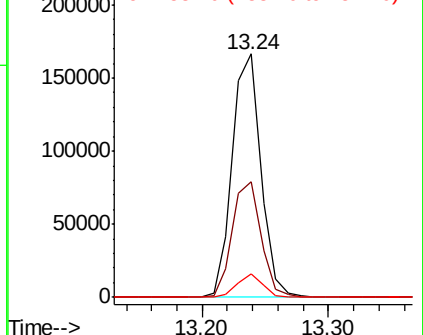
254 9.7 7.8 11.6



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

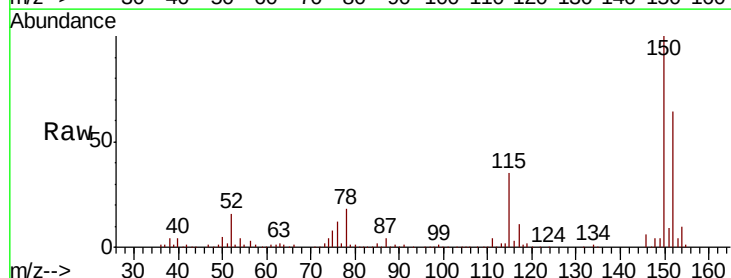
Tgt Ion:152 Resp: 429191

Ion Ratio Lower Upper

152 100

115 54.2 29.2 87.6

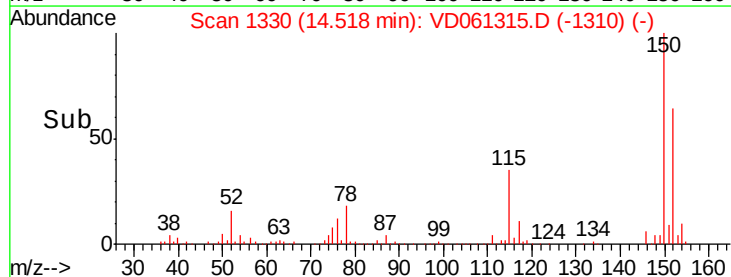
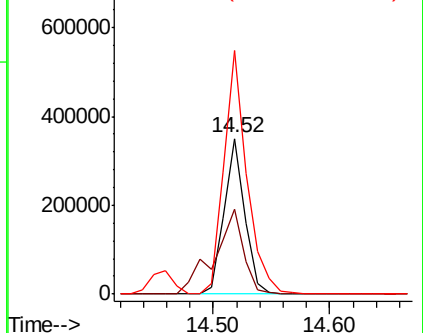
150 156.4 0.0 319.6

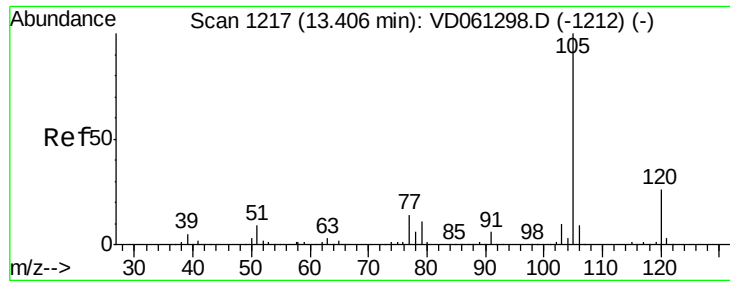


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.530 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

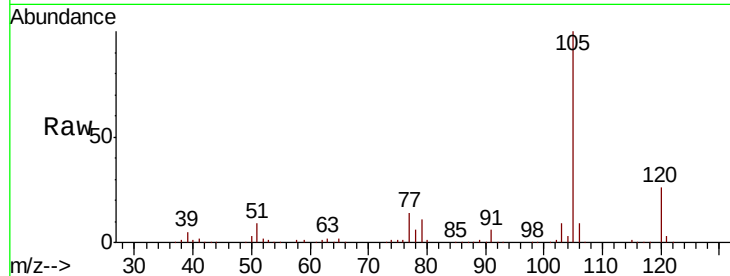
VSTDCCC050

Tot Ion:105 Resp: 1438482

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

1000000

800000

600000

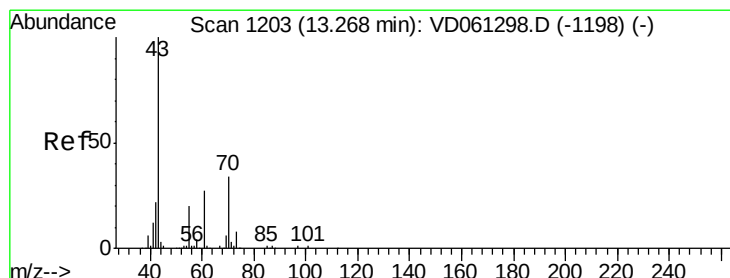
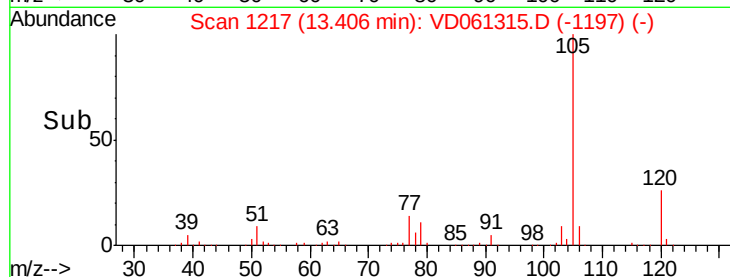
400000

200000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 54.235 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion: 43 Resp: 396105

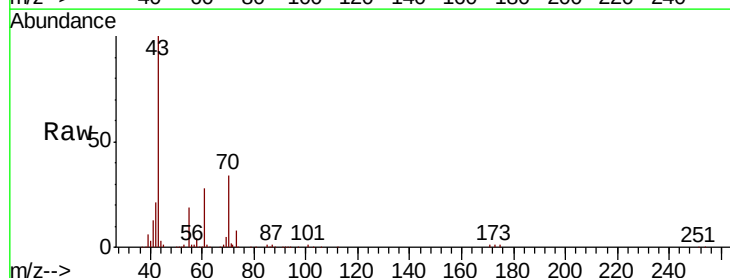
Ion Ratio Lower Upper

43 100

70 33.5 27.5 41.3

55 18.9 15.7 23.5

61 28.0 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

400000

300000

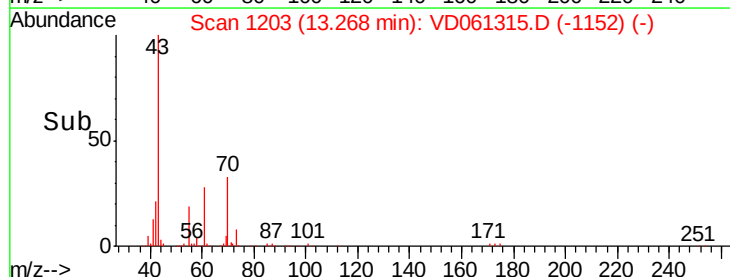
200000

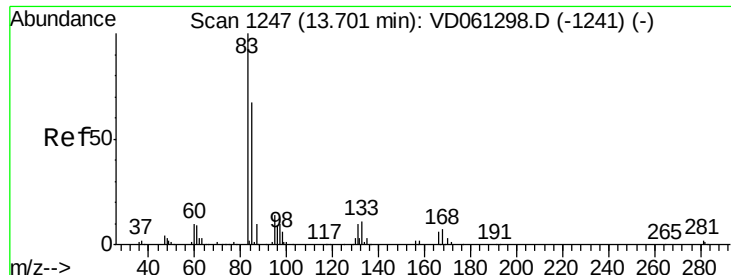
100000

0

Time-->

13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 57.671 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

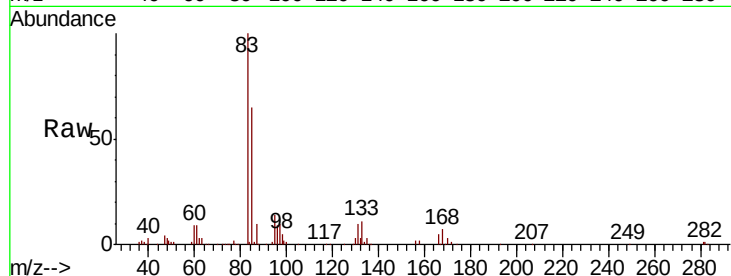
Tot Ion: 83 Resp: 312196

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

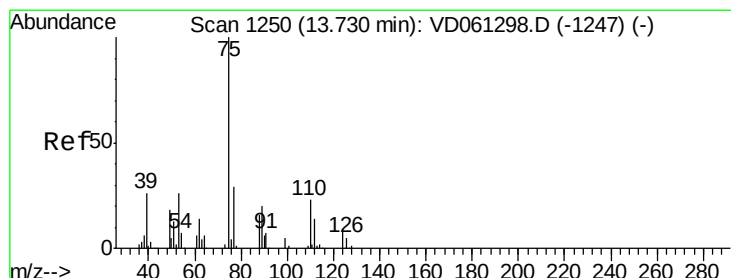
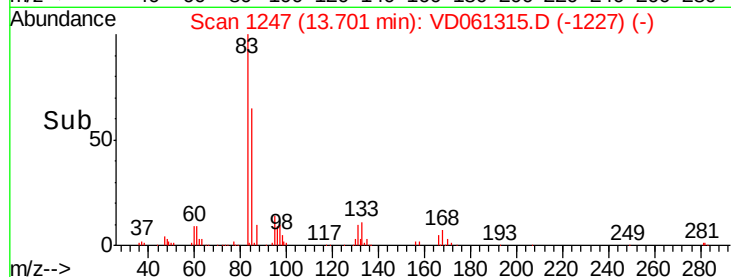
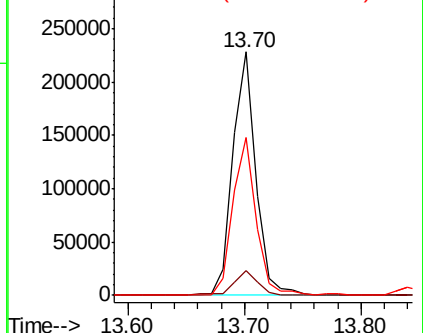
85 64.6 33.4 100.2



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: 57.568 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061315.D

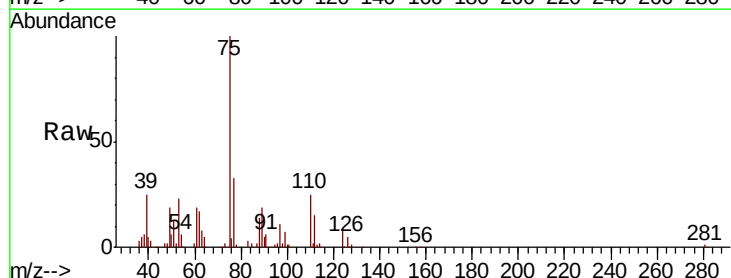
Acq: 25 Mar 2019 23:12

Tgt Ion: 75 Resp: 307271

Ion Ratio Lower Upper

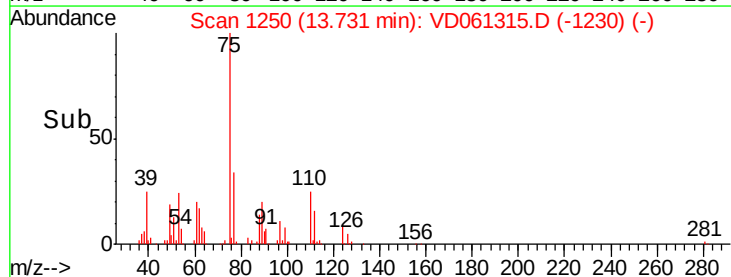
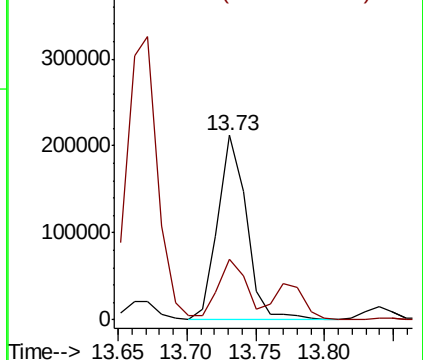
75 100

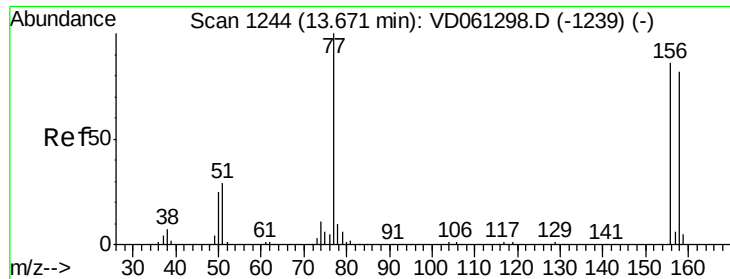
77 32.6 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.370 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

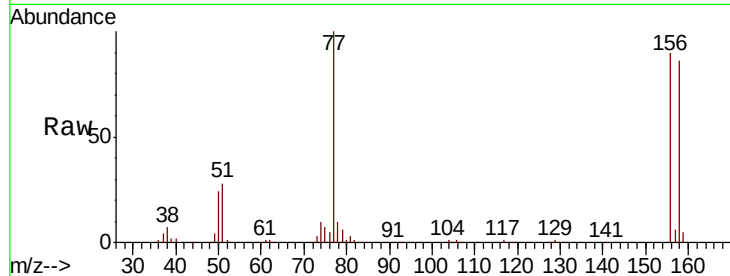
Tot Ion:156 Resp: 416158

Ion Ratio Lower Upper

156 100

77 111.6 58.4 175.1

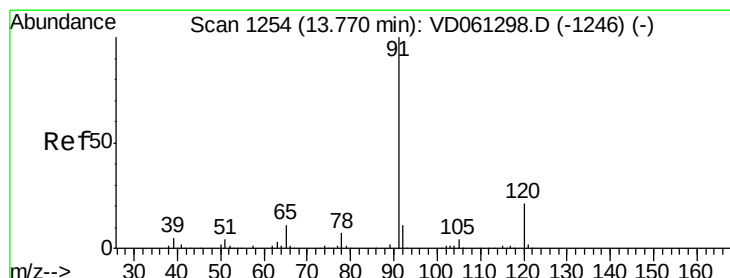
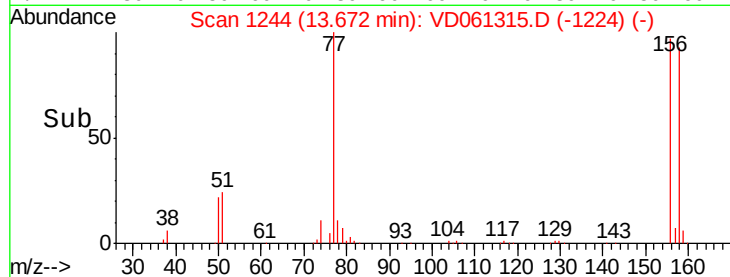
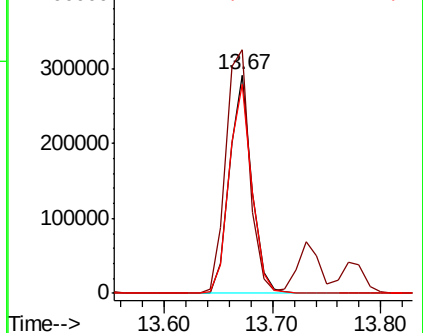
158 96.0 48.1 144.3



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: 53.098 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061315.D

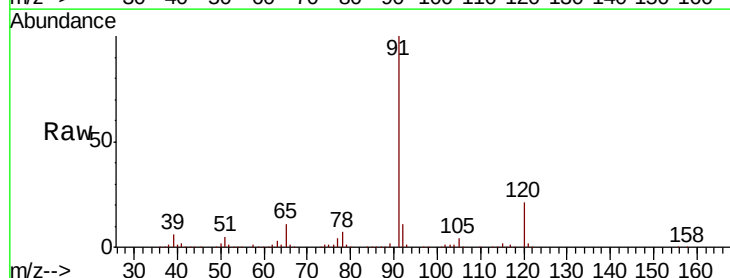
Acq: 25 Mar 2019 23:12

Tgt Ion: 91 Resp: 1672308

Ion Ratio Lower Upper

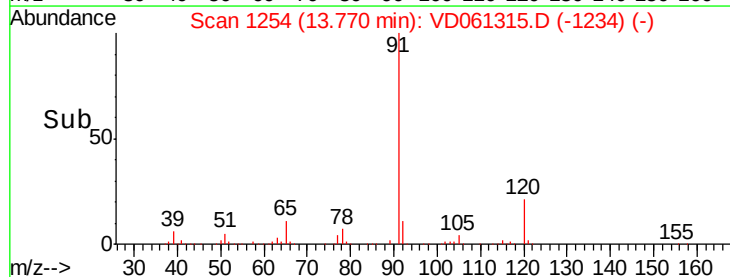
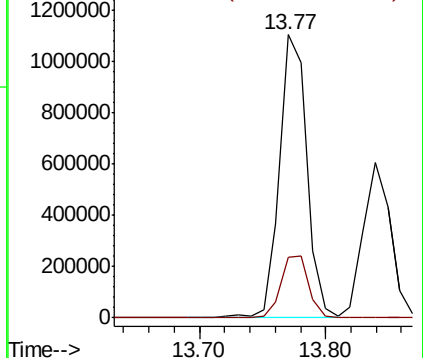
91 100

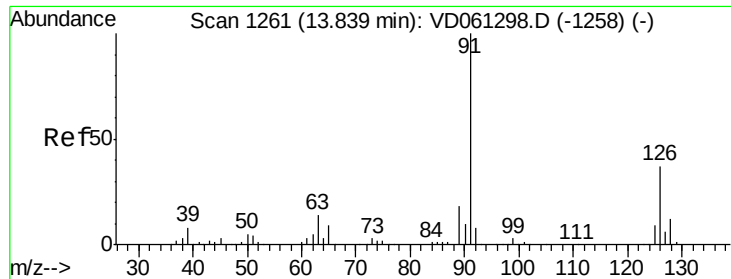
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

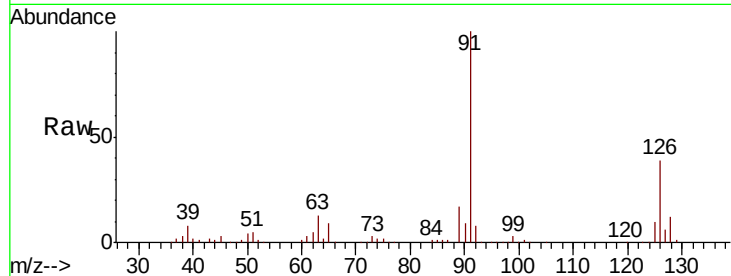




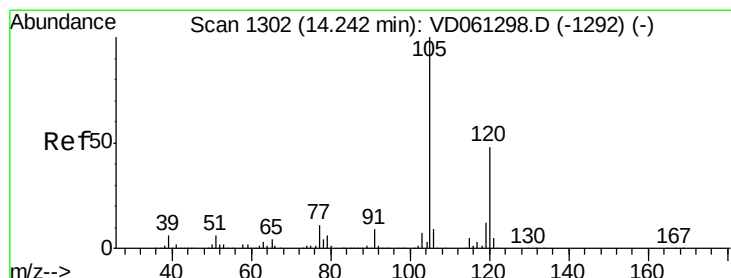
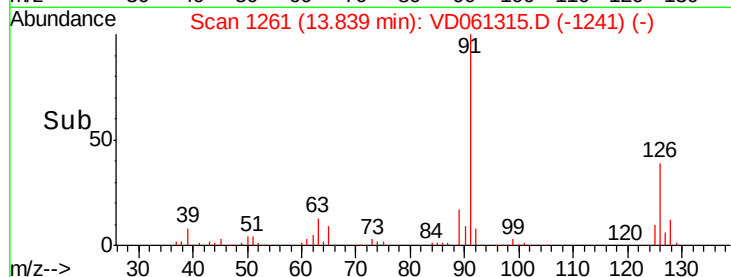
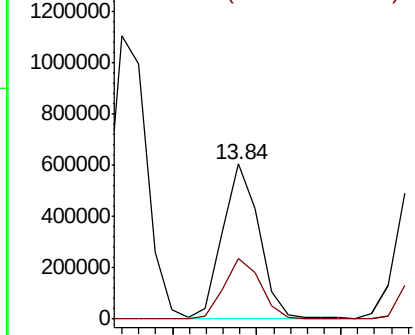
#79
2-Chlorotoluene
Concen: 49.707 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 911491
Ion Ratio Lower Upper
91 100
126 39.2 18.4 55.4

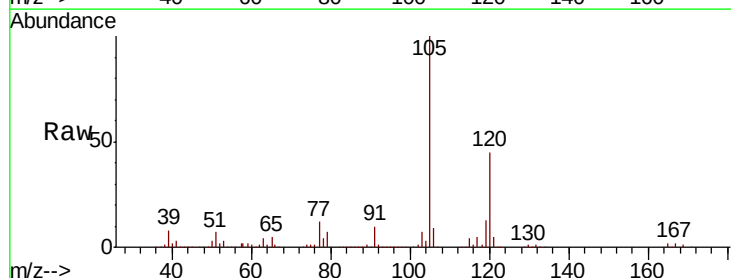


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

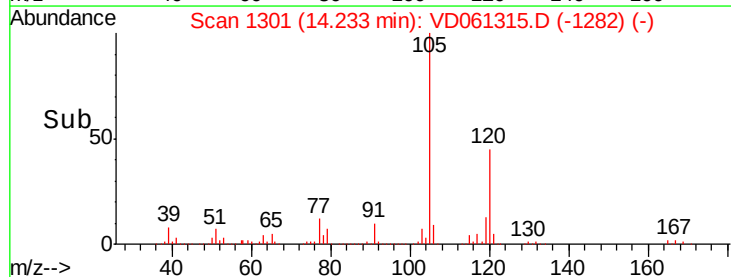
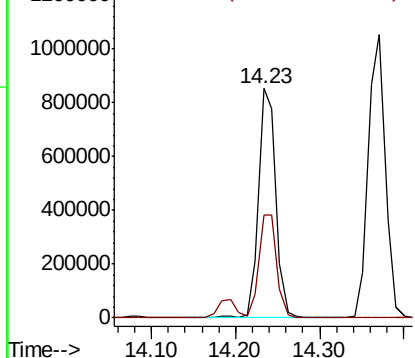


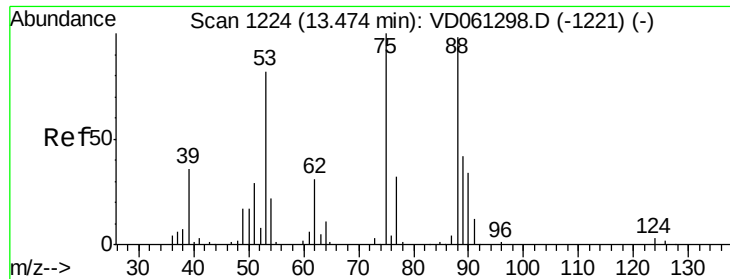
#80
1,3,5-Trimethylbenzene
Concen: 56.148 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 105 Resp: 1236493
Ion Ratio Lower Upper
105 100
120 45.0 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.047 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

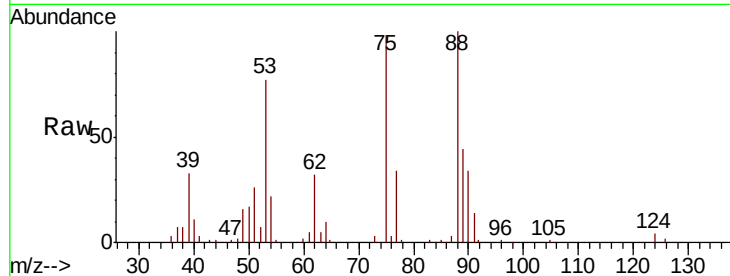
Tot Ion: 75 Resp: 97778

Ion Ratio Lower Upper

75 100

53 78.7 65.3 97.9

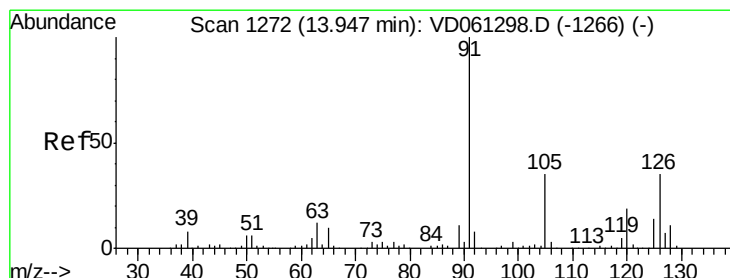
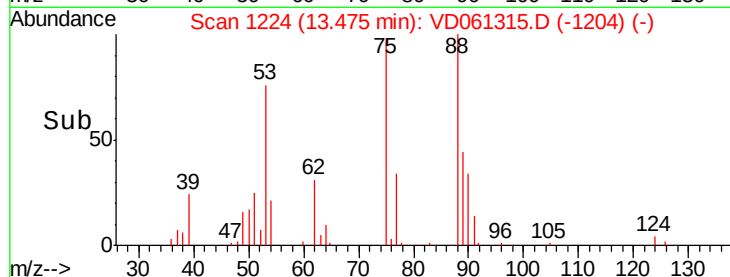
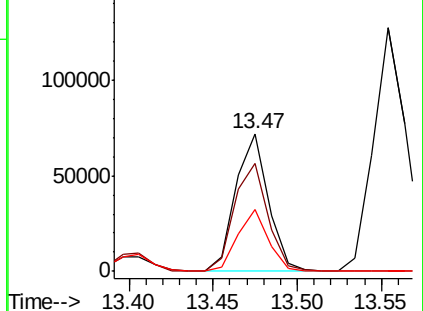
89 44.7 33.8 50.6



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: 55.809 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061315.D

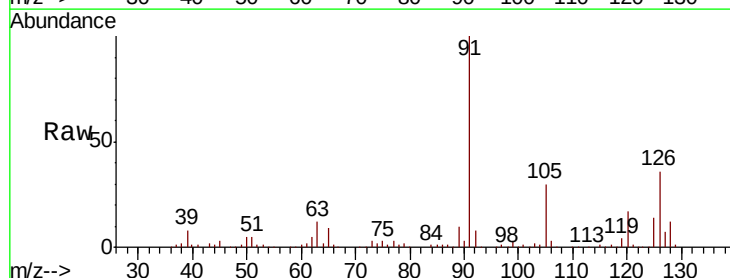
Acq: 25 Mar 2019 23:12

Tgt Ion: 91 Resp: 1118798

Ion Ratio Lower Upper

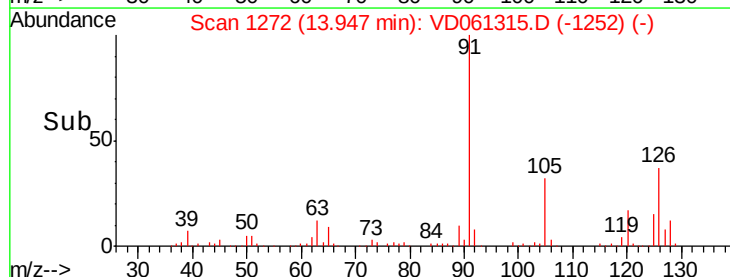
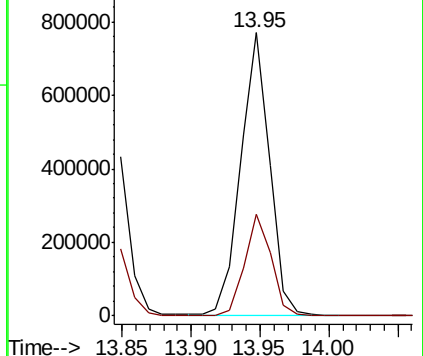
91 100

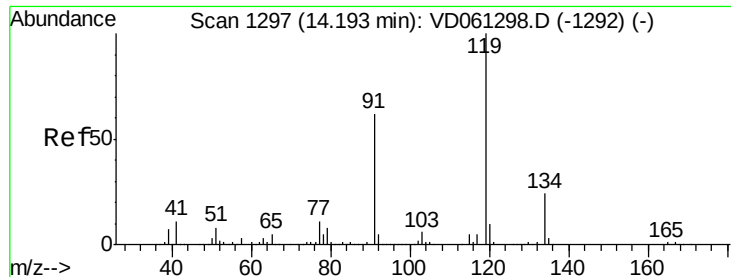
126 36.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

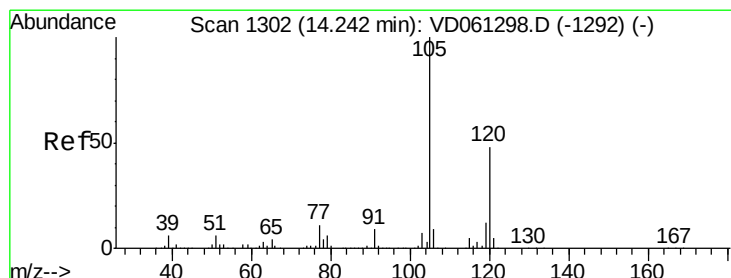
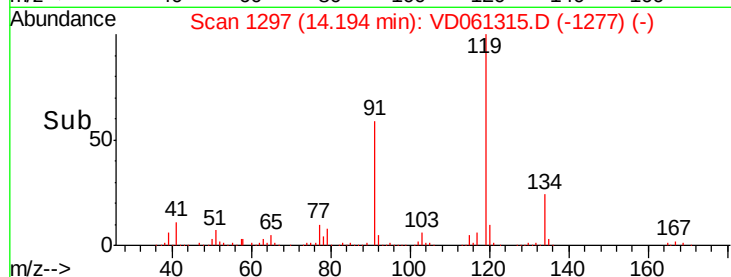
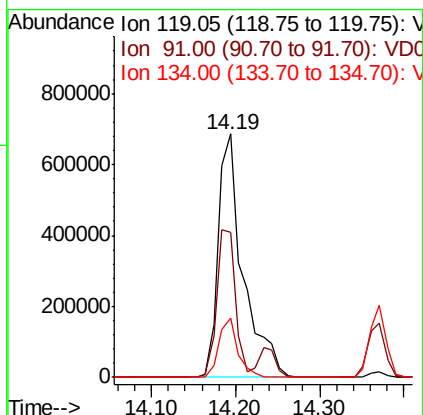
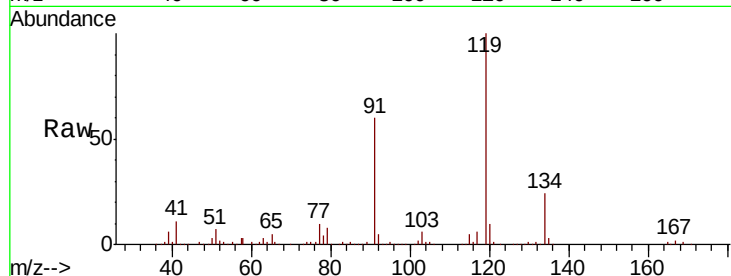




#83
 tert-Butylbenzene
 Concen: 55.878 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

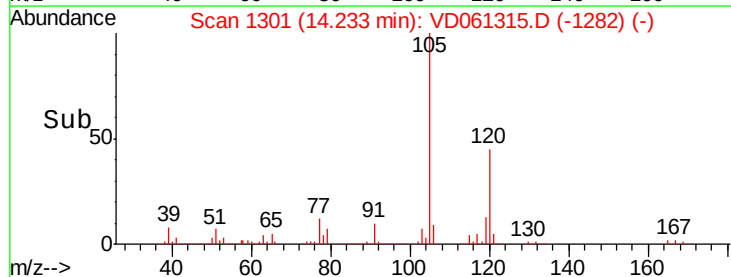
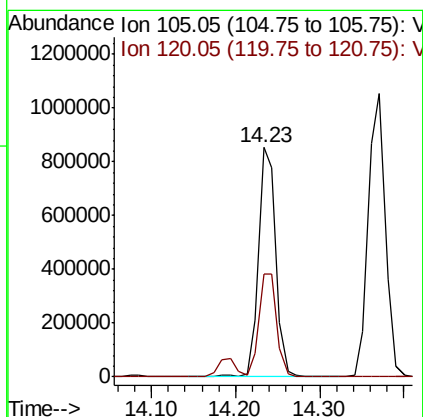
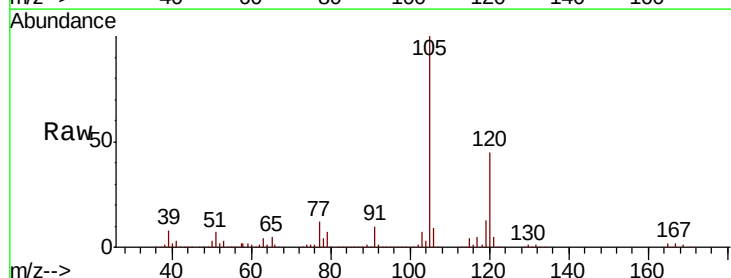
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

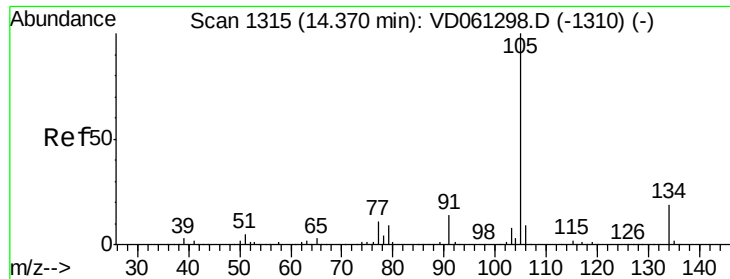
Tot Ion:119 Resp: 1405000
 Ion Ratio Lower Upper
 119 100
 91 59.5 31.1 93.5
 134 24.2 11.9 35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 56.148 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion:105 Resp: 1236493
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.8 71.4





#85

sec-Butylbenzene

Concen: 52.913 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

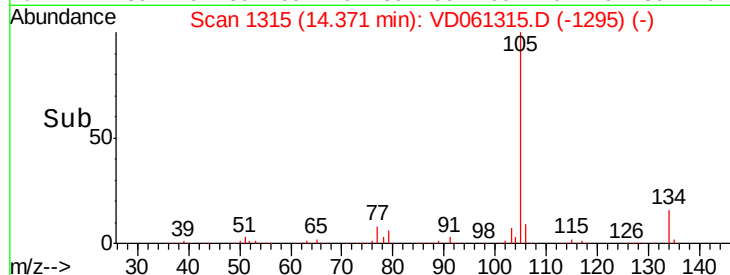
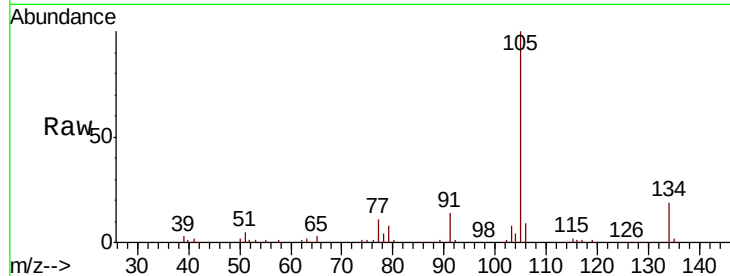
VSTDCCC050

Tot Ion:105 Resp: 1481693

Ion Ratio Lower Upper

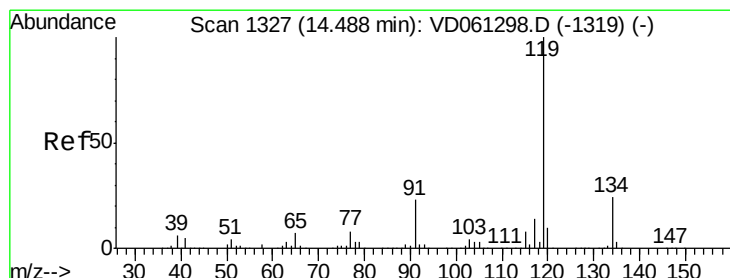
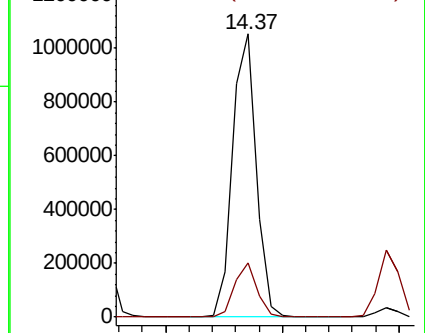
105 100

134 19.2 9.5 28.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.104 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

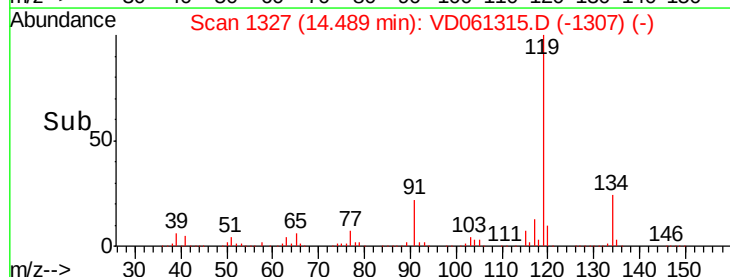
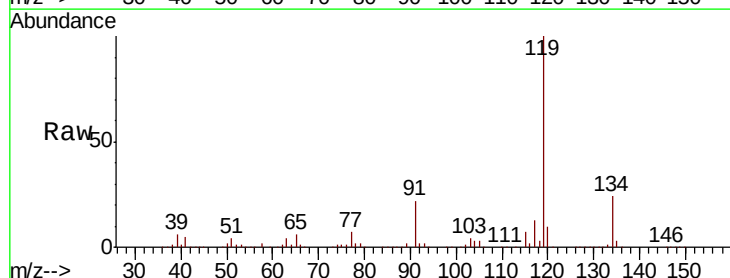
Tgt Ion:119 Resp: 1301695

Ion Ratio Lower Upper

119 100

134 24.1 12.1 36.3

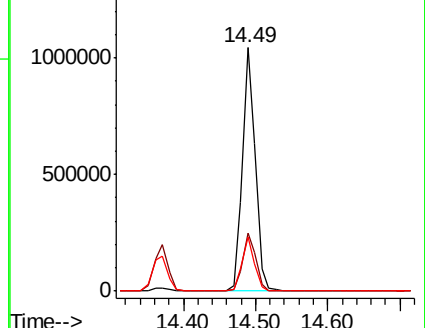
91 22.2 11.4 34.2

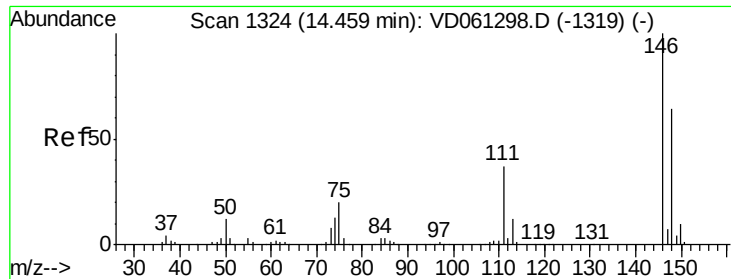


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

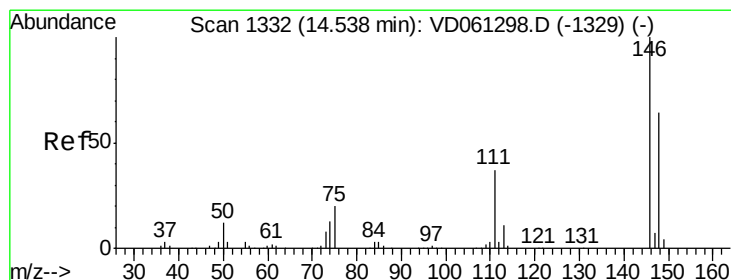
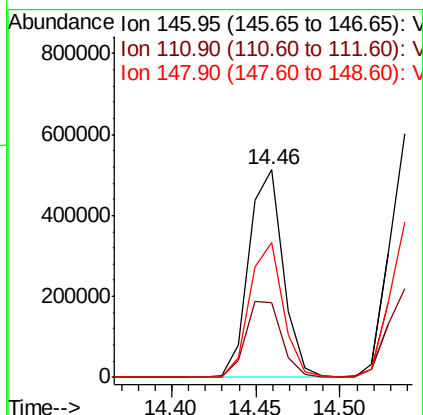
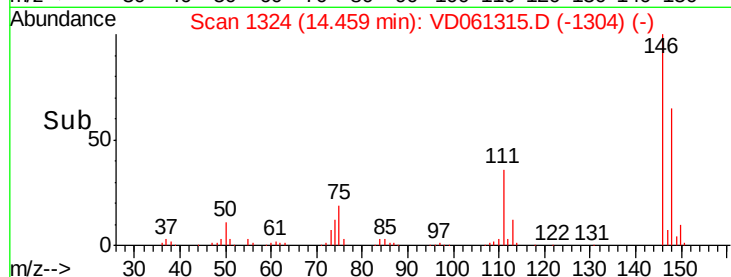
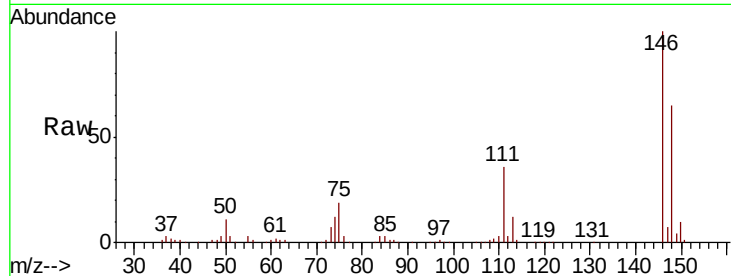




#87
 1,3-Dichlorobenzene
 Concen: 52.328 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

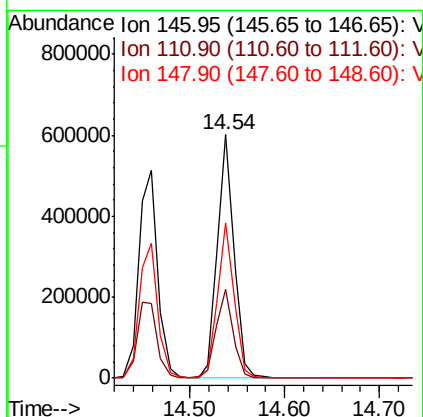
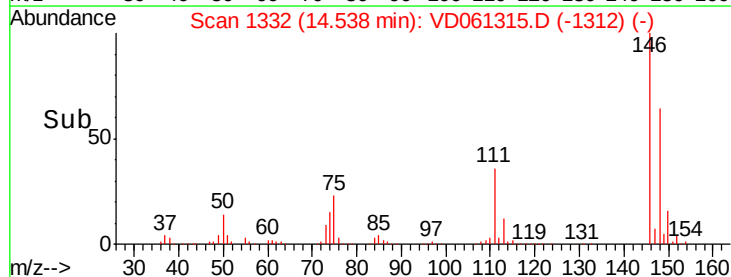
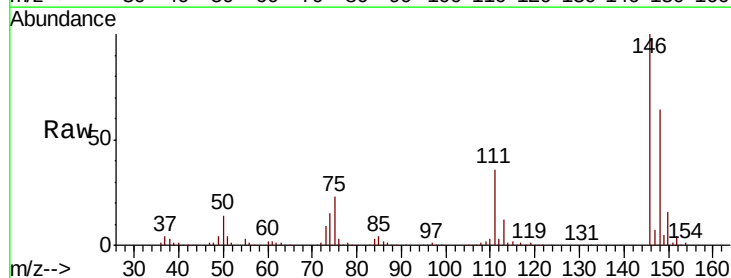
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

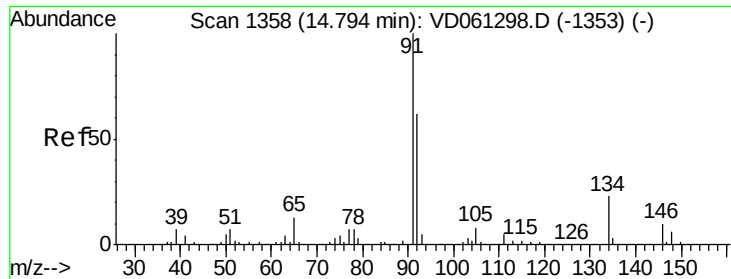
Tot Ion:146 Resp: 723252
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.4 55.0
 148 65.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 54.891 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion:146 Resp: 734919
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.6 55.6
 148 64.0 31.9 95.5





#89

n-Butylbenzene

Concen: 49.458 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

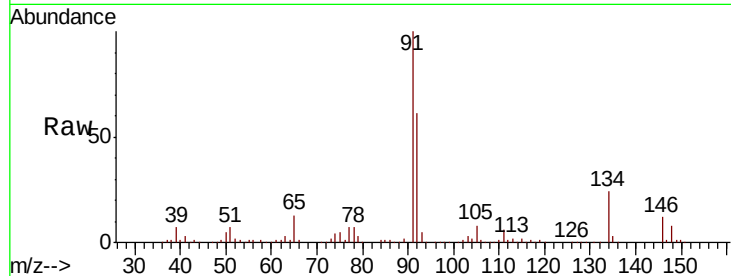
Tot Ion: 91 Resp: 1096979

Ion Ratio Lower Upper

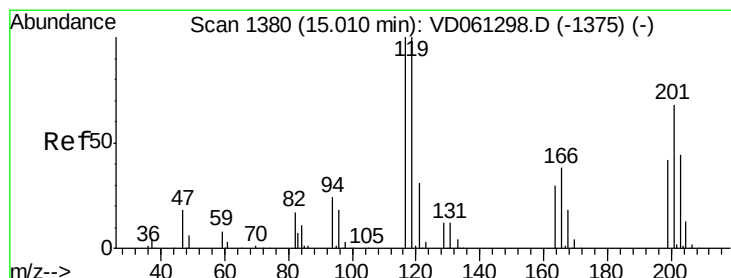
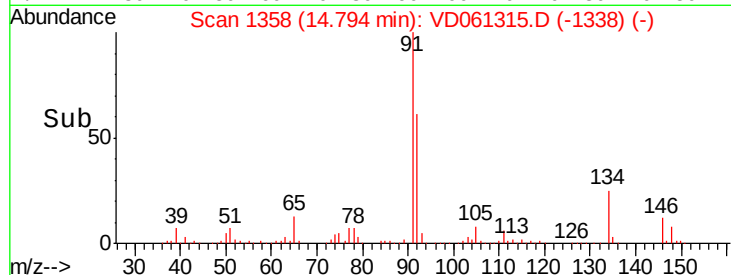
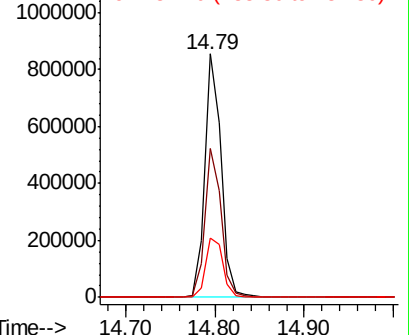
91 100

92 61.4 30.9 92.7

134 24.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 52.157 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061315.D

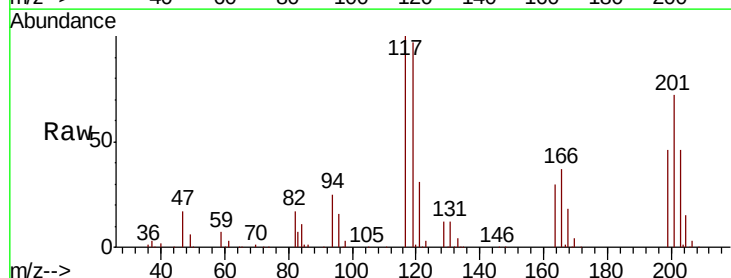
Acq: 25 Mar 2019 23:12

Tgt Ion: 117 Resp: 349357

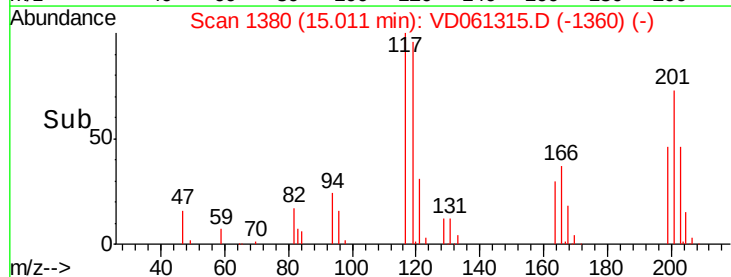
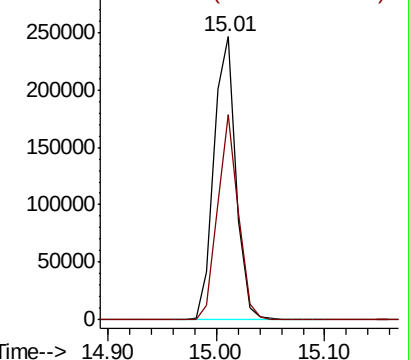
Ion Ratio Lower Upper

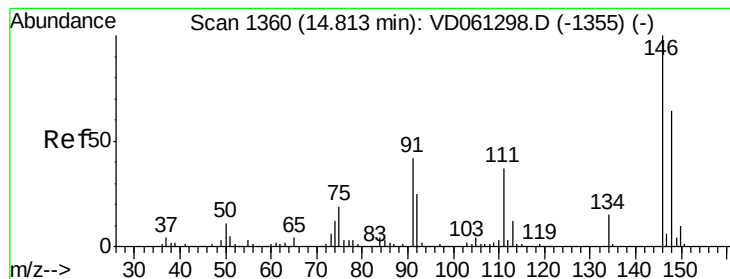
117 100

201 72.5 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 51.828 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

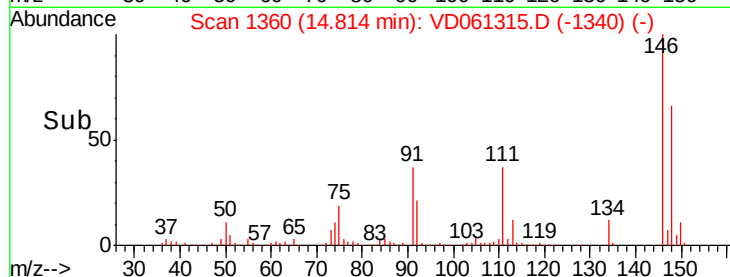
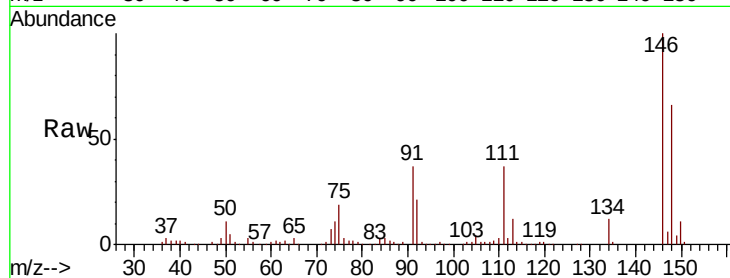
Tot Ion:146 Resp: 571588

Ion Ratio Lower Upper

146 100

111 37.1 18.3 54.8

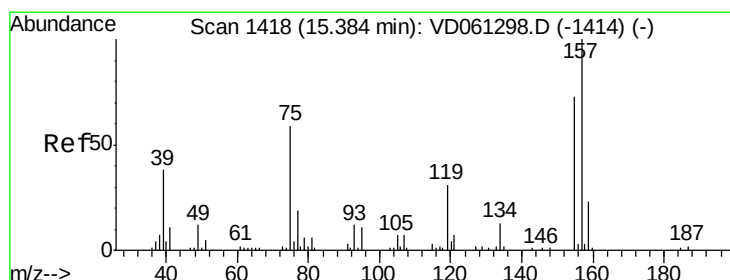
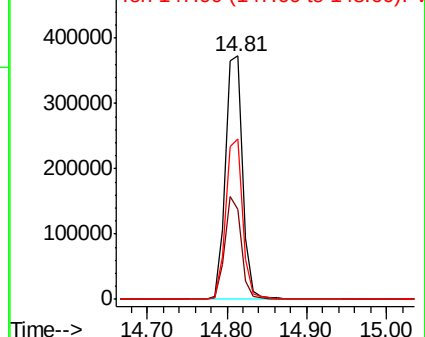
148 65.9 31.9 95.7



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: 57.864 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

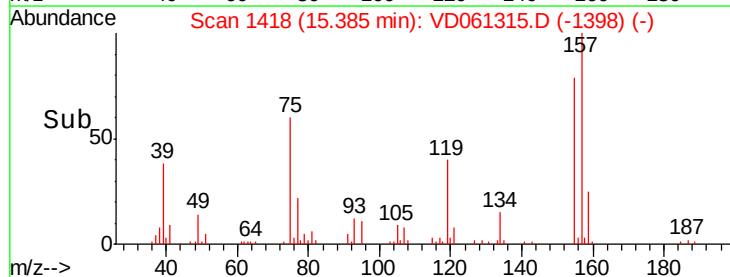
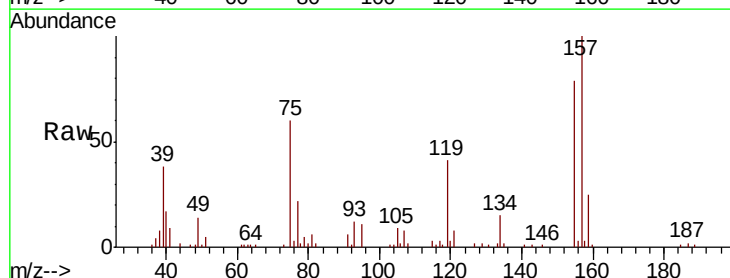
Tgt Ion: 75 Resp: 39142

Ion Ratio Lower Upper

75 100

155 131.6 61.9 185.7

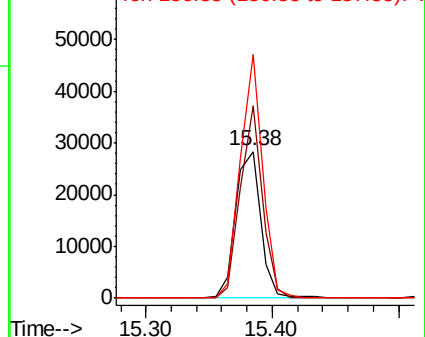
157 166.1 84.4 253.2

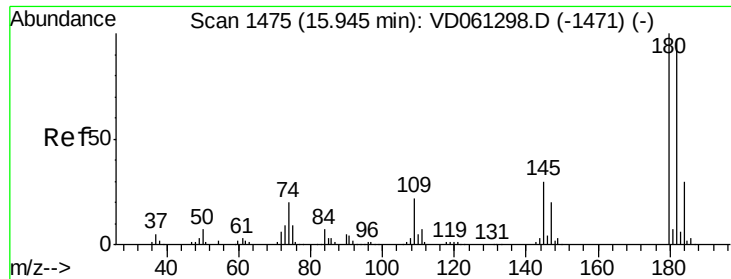


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

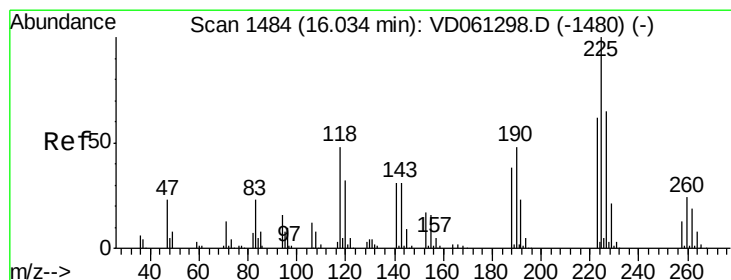
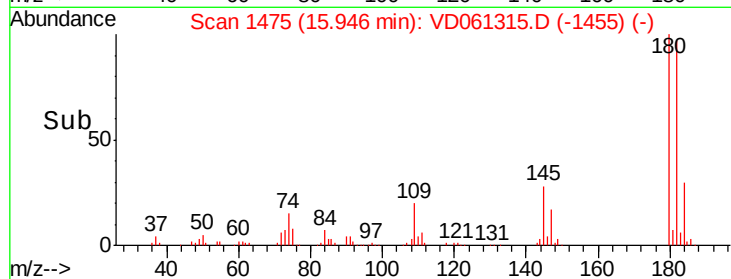
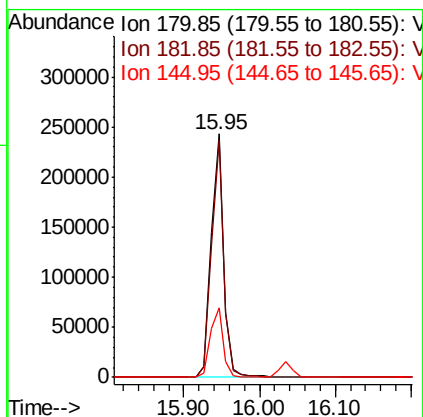
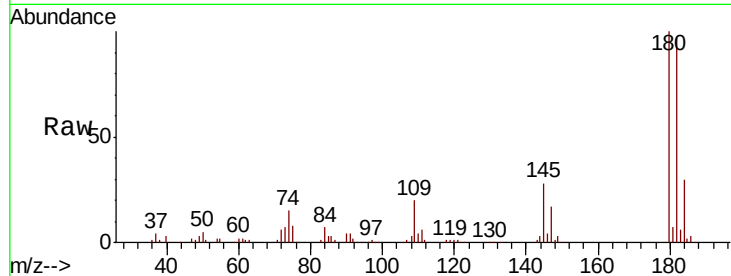




#93
 1,2,4-Trichlorobenzene
 Concen: 56.061 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

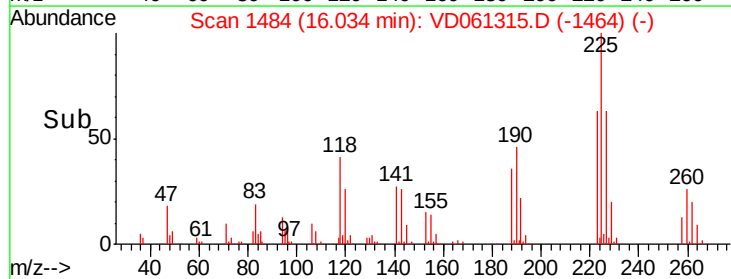
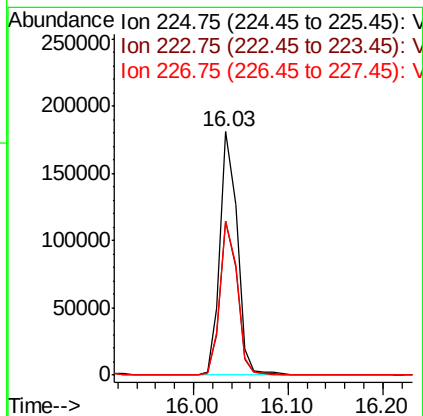
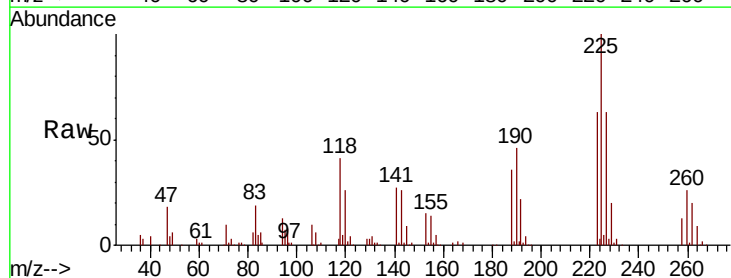
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

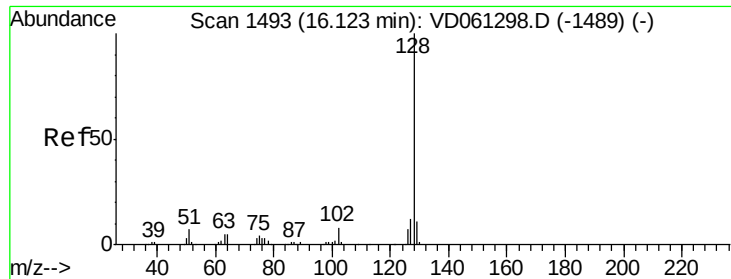
Tot Ion:180 Resp: 285541
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.3 144.9
 145 28.4 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 56.050 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion:225 Resp: 230034
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.8
 227 63.1 32.6 97.7

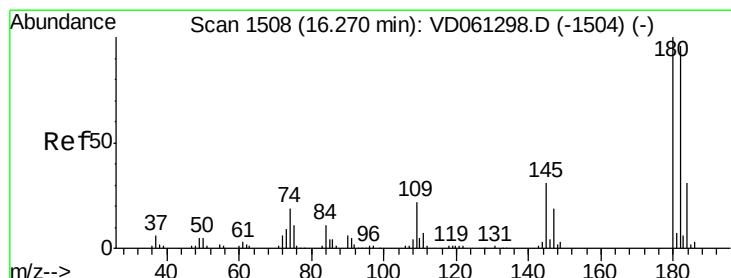
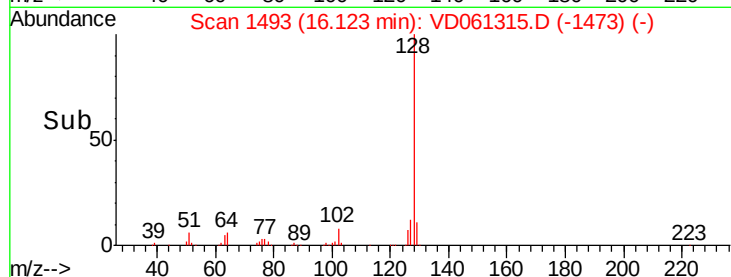
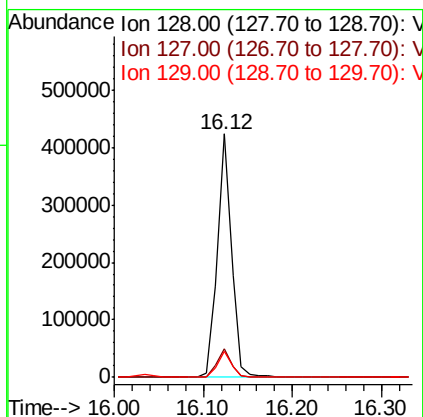
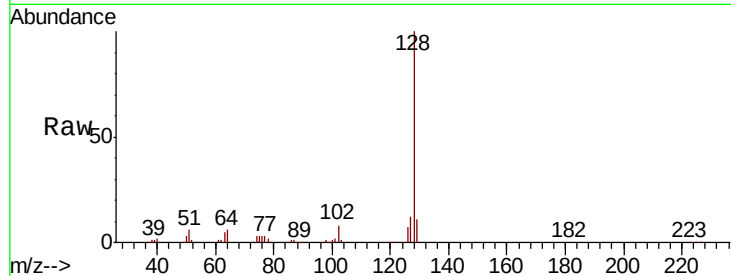




#95
Naphthalene
Concen: 63.728 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 473621
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.6
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 56.781 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion:180 Resp: 135078
Ion Ratio Lower Upper
180 100
182 95.6 48.0 144.2
145 29.2 15.4 46.4

