

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062415.D
 Acq On : 16 May 2019 14:08
 Operator : FY/SY
 Sample : VD0516SBS01
 Misc : 5.09g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Quant Time: May 17 02:28:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	633628	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	891337	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	731602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	395823	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	302244	51.33	ug/l	0.03
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	6.92	113	370637	50.12	ug/l	0.03
Spiked Amount			Recovery	=	100.24%	
50) Toluene-d8	10.42	98	827546	46.41	ug/l	0.02
Spiked Amount			Recovery	=	92.82%	
62) 4-Bromofluorobenzene	13.56	95	346902	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	104045	17.169	ug/l	99
3) Chloromethane	1.75	50	71577	16.346	ug/l	97
4) Vinyl Chloride	1.84	62	77781	18.074	ug/l	97
5) Bromomethane	2.14	94	25074	24.866	ug/l #	91
6) Chloroethane	2.25	64	36915	20.442	ug/l #	88
7) Trichlorofluoromethane	2.52	101	185394	22.159	ug/l	99
8) Diethyl Ether	2.87	74	28437	17.624	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	127928	20.213	ug/l	94
10) Methyl Iodide	3.30	142	132356	13.837	ug/l #	77
11) Tert butyl alcohol	4.08	59	30065	100.027	ug/l	97
12) 1,1-Dichloroethene	3.12	96	84951	17.583	ug/l	88
13) Acrolein	3.04	56	20215	65.025	ug/l #	78
14) Allyl chloride	3.62	41	130390	18.562	ug/l #	84
15) Acrylonitrile	4.20	53	74944	94.862	ug/l #	91
16) Acetone	3.22	43	145483	117.814	ug/l #	85
17) Carbon Disulfide	3.37	76	196471	14.136	ug/l	98
18) Methyl Acetate	3.64	43	40910	18.331	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	212013	20.473	ug/l	92
20) Methylene Chloride	3.81	84	94770	18.381	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	97410	18.119	ug/l	87
22) Diisopropyl ether	5.12	45	288661	19.310	ug/l	95
23) Vinyl Acetate	5.05	43	860538	109.109	ug/l	98
24) 1,1-Dichloroethane	4.98	63	170273	18.882	ug/l	100
25) 2-Butanone	6.08	43	137657	102.200	ug/l	97
26) 2,2-Dichloropropane	6.03	77	192792	21.462	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	106541	17.705	ug/l	92
28) Bromochloromethane	6.44	49	83244	23.463	ug/l	84
29) Tetrahydrofuran	6.45	42	61705	99.426	ug/l	95
30) Chloroform	6.67	83	230316	21.192	ug/l	99
31) Cyclohexane	6.95	56	112393	18.192	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	224628	21.867	ug/l	98
36) 1,1-Dichloropropene	7.15	75	157301	21.524	ug/l	97
37) Ethyl Acetate	6.18	43	69200	22.328	ug/l #	87
38) Carbon Tetrachloride	7.11	117	224946	22.239	ug/l	97

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 Misc : 5.09g/5mL/MSVOA D/SOIL
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Quant Time: May 17 02:28:25 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	130963	18.703	ug/l	97
40) Benzene	7.45	78	313280	18.984	ug/l	99
41) Methacrylonitrile	6.46	41	81005	21.388	ug/l #	77
42) 1,2-Dichloroethane	7.57	62	158853	22.720	ug/l	91
43) Isopropyl Acetate	9.24	43	89900	20.453	ug/l	96
44) Trichloroethene	8.55	130	123488	19.637	ug/l	94
45) 1,2-Dichloropropane	8.94	63	81042	19.854	ug/l	94
46) Dibromomethane	9.07	93	70032	21.098	ug/l	91
47) Bromodichloromethane	9.37	83	177234	21.829	ug/l	97
48) Methyl methacrylate	9.13	41	58899	21.755	ug/l	85
49) 1,4-Dioxane	9.08	88	11172	382.448	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	303205	107.312	ug/l	94
52) Toluene	10.51	92	217234	20.232	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	151243	21.553	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	152933	19.977	ug/l #	90
55) 1,1,2-Trichloroethane	11.19	97	78111	20.560	ug/l	95
56) Ethyl methacrylate	11.05	69	80897	20.492	ug/l #	91
57) 1,3-Dichloropropane	11.41	76	116630	20.321	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	229574	106.460	ug/l	99
59) 2-Hexanone	11.54	43	233157	111.962	ug/l	90
60) Dibromochloromethane	11.69	129	136252	20.752	ug/l	99
61) 1,2-Dibromoethane	11.80	107	93220	20.183	ug/l	94
64) Tetrachloroethene	11.26	164	111031	19.408	ug/l	96
65) Chlorobenzene	12.40	112	278537	20.441	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	128716	21.705	ug/l	94
67) Ethyl Benzene	12.52	91	504898	22.133	ug/l	94
68) m/p-Xylenes	12.67	106	327940	39.512	ug/l	86
69) o-Xylene	13.05	106	160405	20.788	ug/l	90
70) Styrene	13.07	104	277024	21.193	ug/l	95
71) Bromoform	13.24	173	87458	21.197	ug/l #	98
73) Isopropylbenzene	13.41	105	474806	20.011	ug/l	96
74) N-amyl acetate	13.27	43	121551	19.540	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	89574	19.942	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	96889	20.597	ug/l	98
77) Bromobenzene	13.67	156	140388	21.136	ug/l	97
78) n-propylbenzene	13.77	91	578485	20.439	ug/l	92
79) 2-Chlorotoluene	13.84	91	344755	21.268	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	420522	21.047	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	22109	16.649	ug/l #	66
82) 4-Chlorotoluene	13.95	91	410463	21.518	ug/l	86
83) tert-Butylbenzene	14.19	119	439706	19.580	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	409714	20.435	ug/l	91
85) sec-Butylbenzene	14.37	105	509292	20.684	ug/l	98
86) p-Isopropyltoluene	14.49	119	431360	19.609	ug/l	88
87) 1,3-Dichlorobenzene	14.46	146	246069	20.280	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	247077	20.725	ug/l	94
89) n-Butylbenzene	14.80	91	417392	21.139	ug/l	93
90) Hexachloroethane	15.01	117	125134	20.917	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	203974	20.413	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15937	21.614	ug/l	82

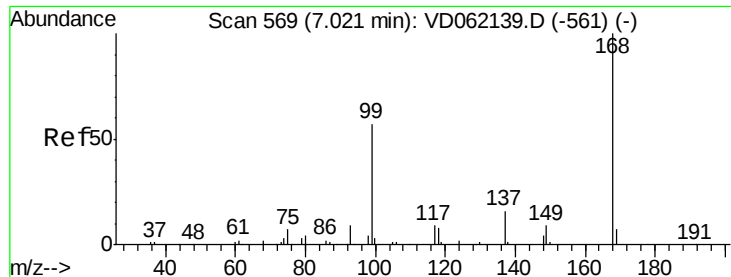
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
Data File : VD062415.D
Acq On : 16 May 2019 14:08
Operator : FY/SY
Sample : VD0516SBSD01
Misc : 5.09g/5mL/MSVOA D/SOIL
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	172624	23.734	ug/l	99
94) Hexachlorobutadiene	16.04	225	122996	22.737	ug/l	98
95) Naphthalene	16.12	128	239638	23.600	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	127233	27.823	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

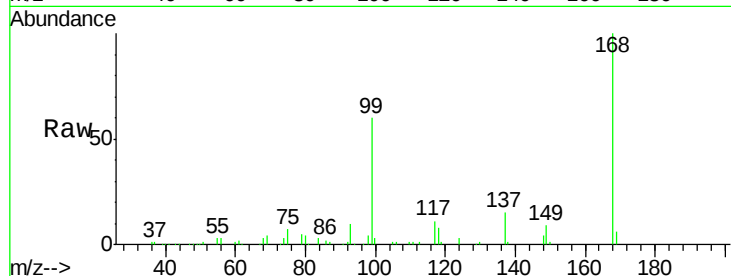
VD0516SBSD01

Tot Ion:168 Resp: 633628

Ion Ratio Lower Upper

168 100

99 59.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

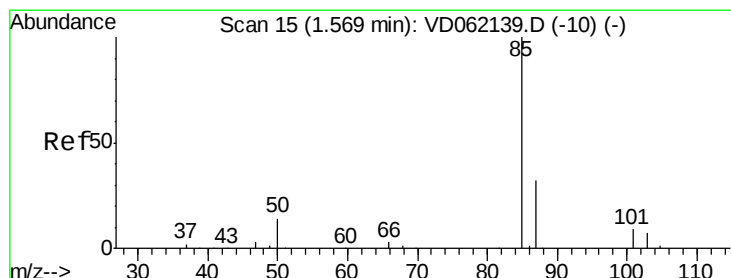
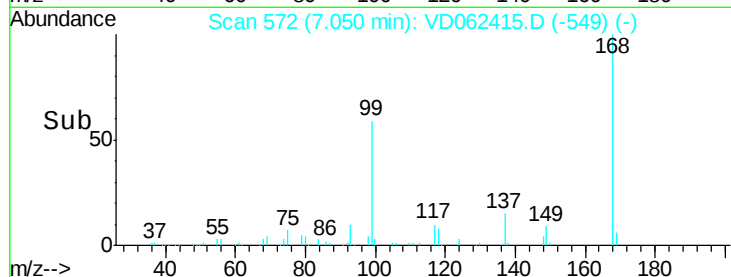
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 17.169 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062415.D

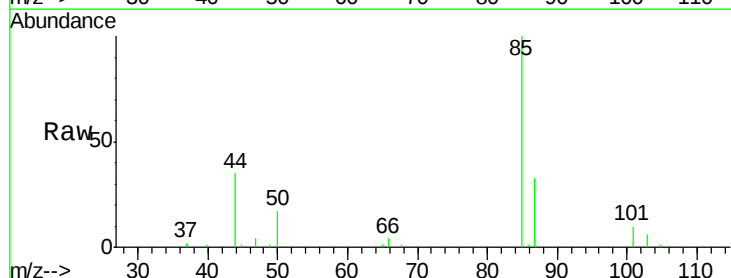
Acq: 16 May 2019 14:08

Tgt Ion: 85 Resp: 104045

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

50000

40000

30000

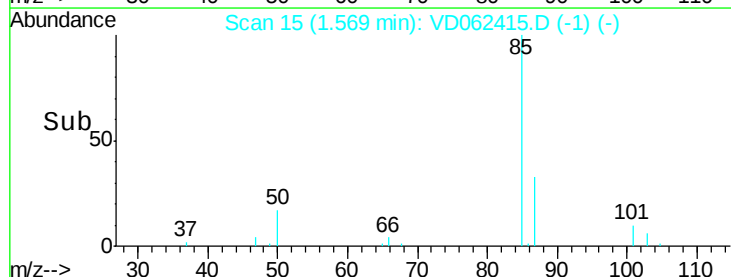
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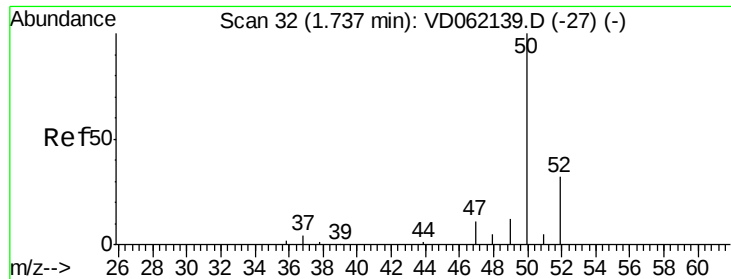
10000

0

1.50 1.60 1.70

Time-->

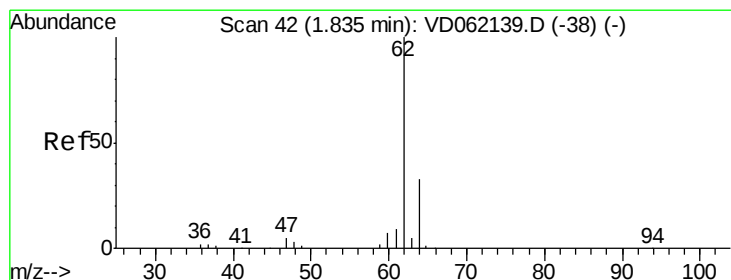
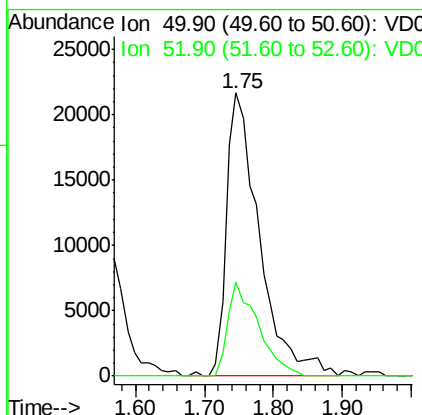
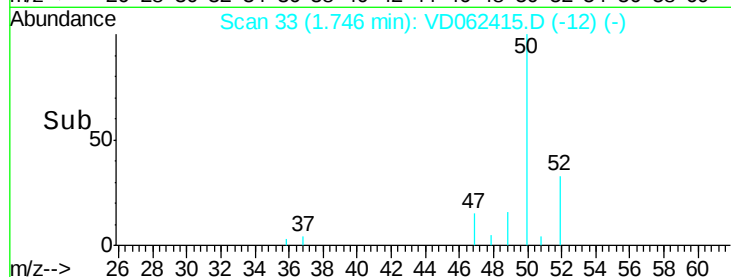
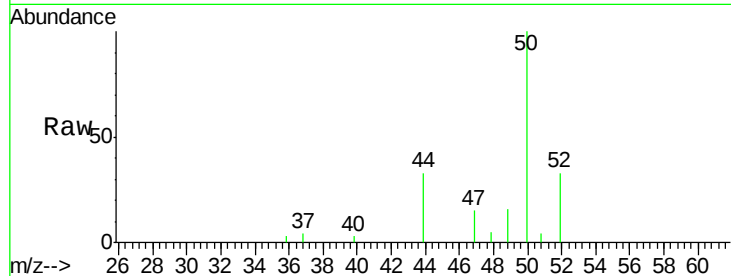




#3
Chloromethane
Concen: 16.346 ug/l
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

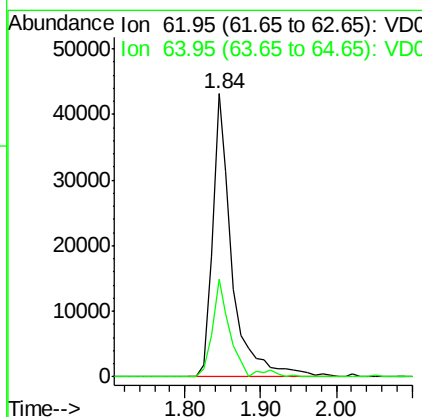
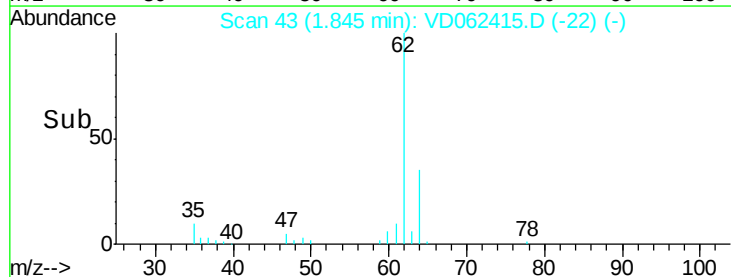
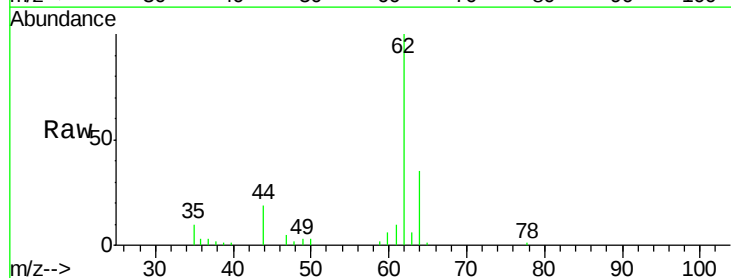
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

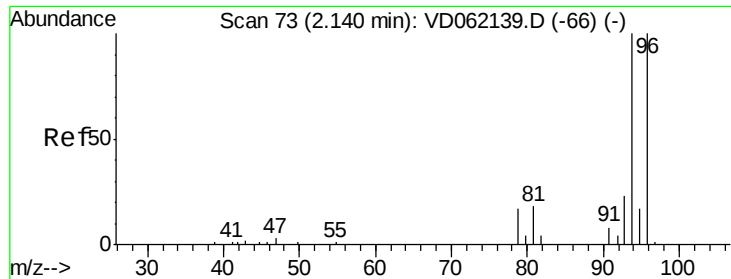
Tot Ion: 50 Resp: 71577
Ion Ratio Lower Upper
50 100
52 33.1 25.2 37.8



#4
Vinyl Chloride
Concen: 18.074 ug/l
RT: 1.84 min Scan# 43
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 62 Resp: 77781
Ion Ratio Lower Upper
62 100
64 34.6 26.5 39.7





#5

Bromomethane

Concen: 24.866 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBSD01

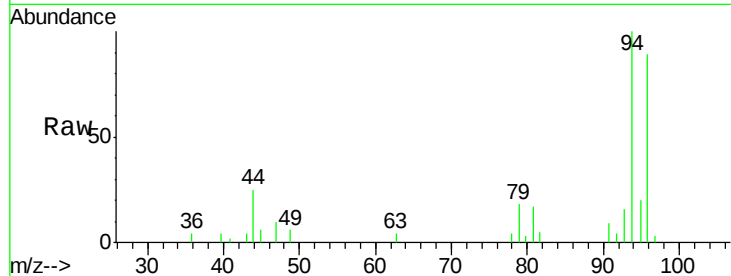
Tot Ion: 94 Resp: 25074

Ion Ratio Lower Upper

94 100

96 88.7 76.6 115.0

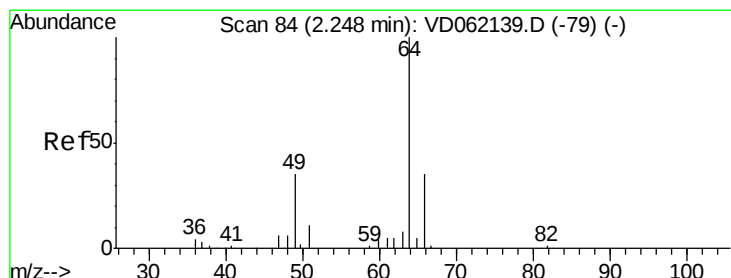
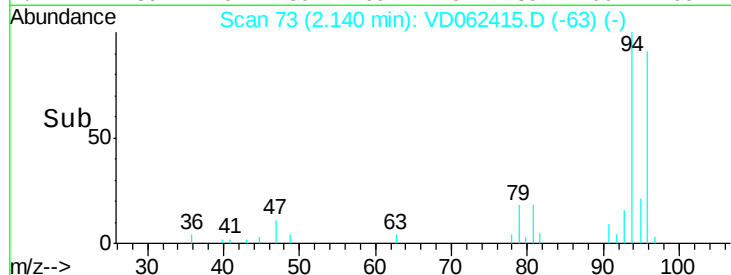
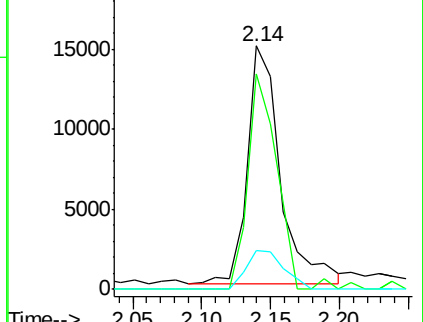
93 15.8 18.5 27.7#



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: 20.442 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062415.D

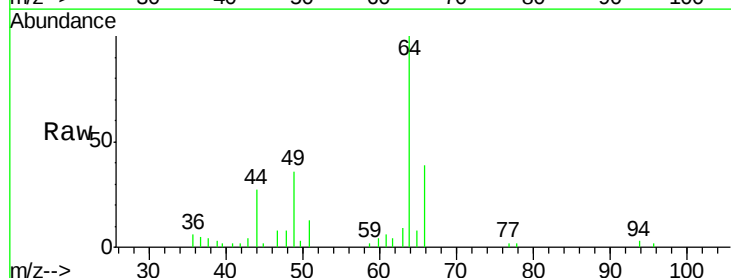
Acq: 16 May 2019 14:08

Tgt Ion: 64 Resp: 36915

Ion Ratio Lower Upper

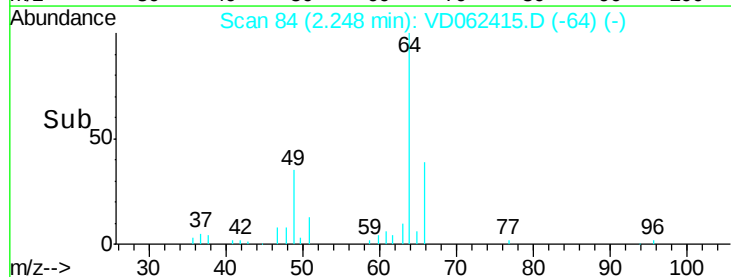
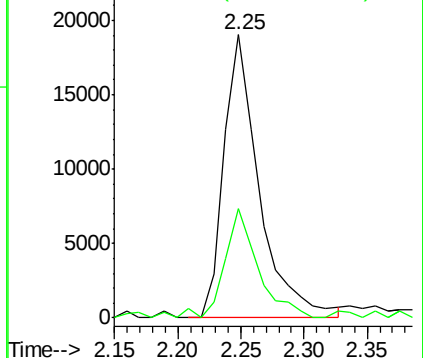
64 100

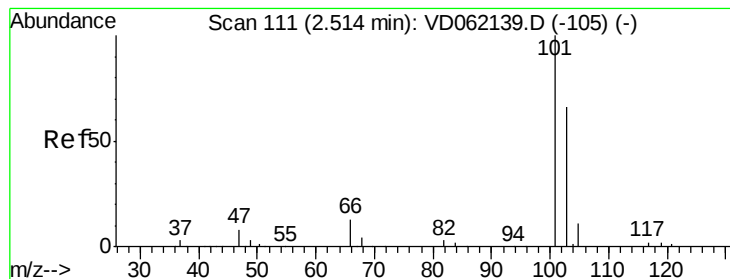
66 38.8 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



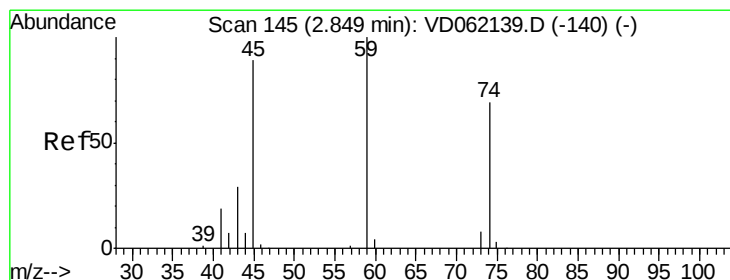
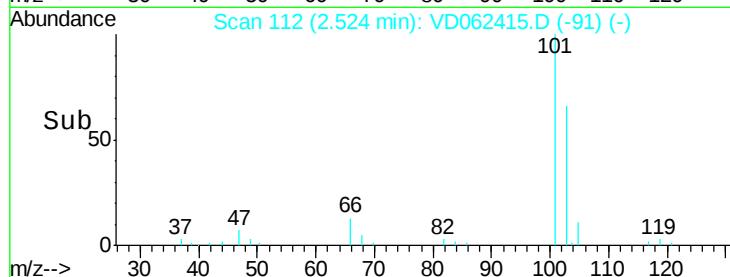
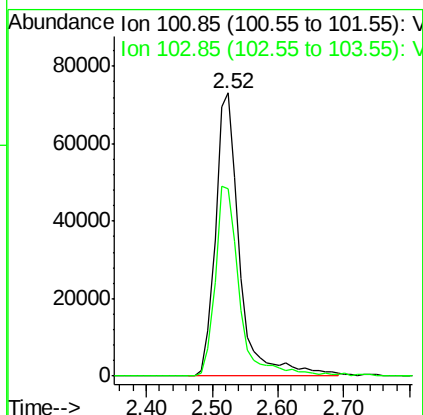
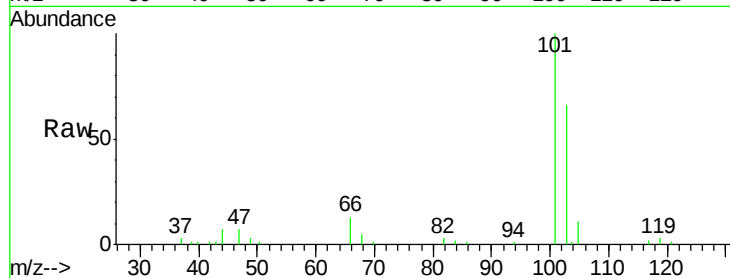


#7

Trichlorofluoromethane
 Concen: 22.159 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

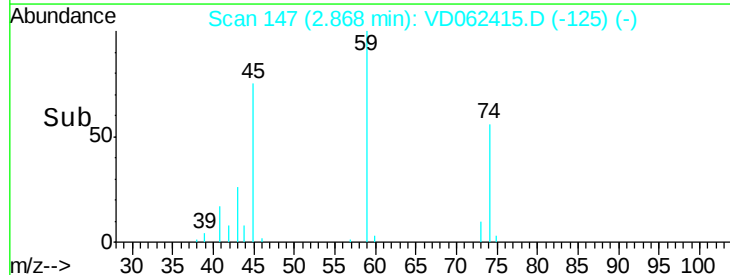
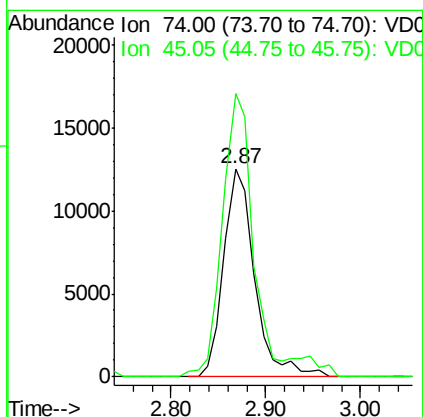
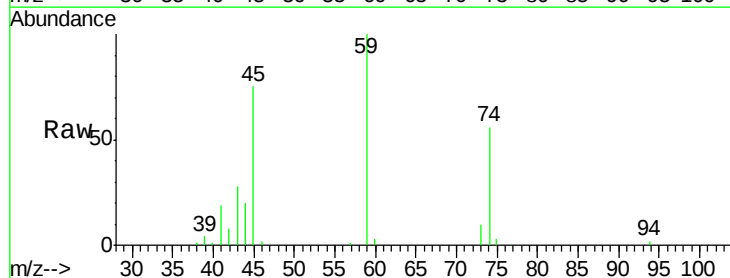
Tot Ion:101 Resp: 185394
 Ion Ratio Lower Upper
 101 100
 103 66.1 53.6 80.4

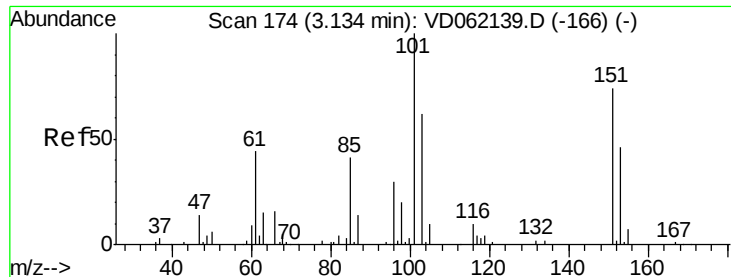


#8

Diethyl Ether
 Concen: 17.624 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion: 74 Resp: 28437
 Ion Ratio Lower Upper
 74 100
 45 135.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.213 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

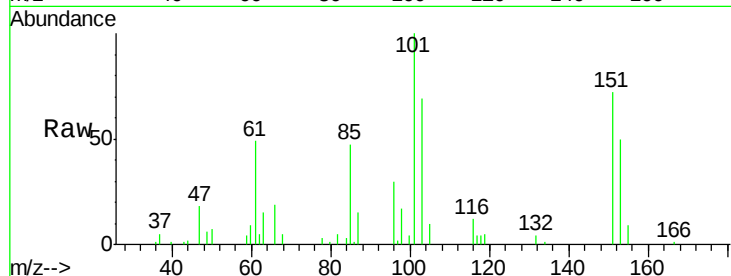
Tot Ion:101 Resp: 127928

Ion Ratio Lower Upper

101 100

85 47.0 32.4 48.6

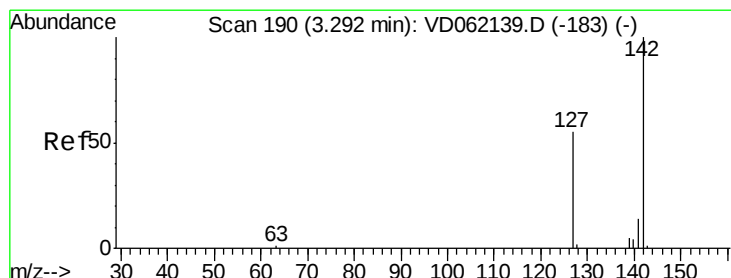
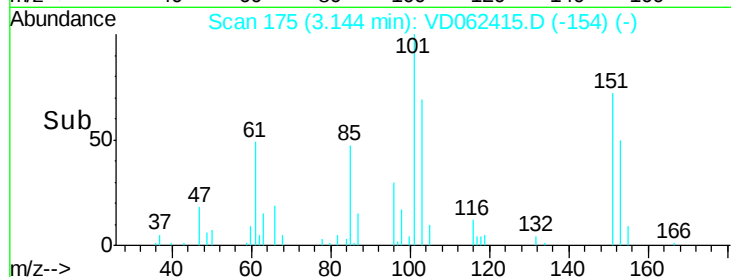
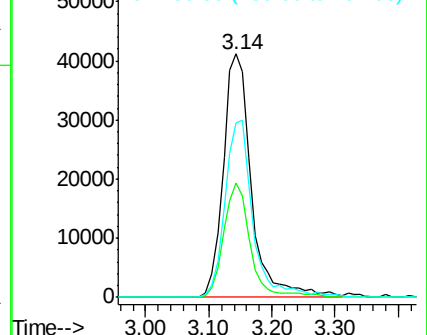
151 71.8 59.4 89.0



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: 13.837 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

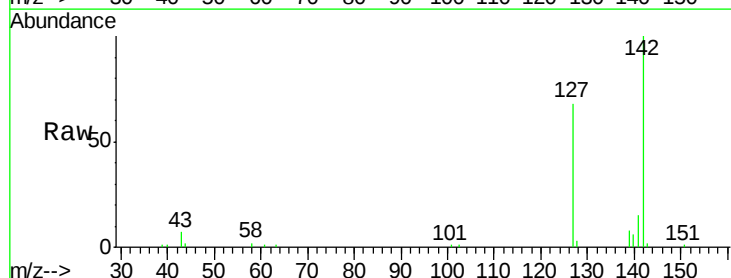
Tgt Ion:142 Resp: 132356

Ion Ratio Lower Upper

142 100

127 68.4 38.8 58.2#

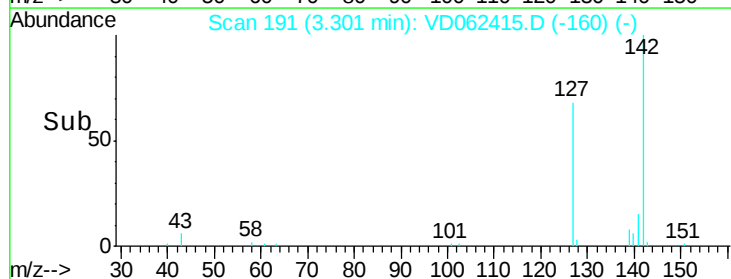
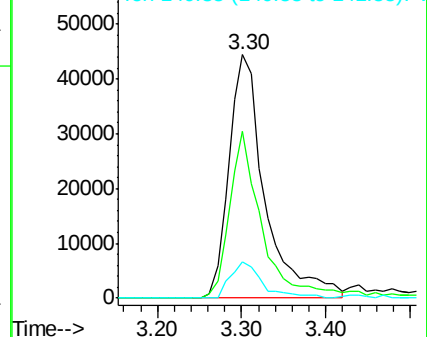
141 14.9 11.4 17.0

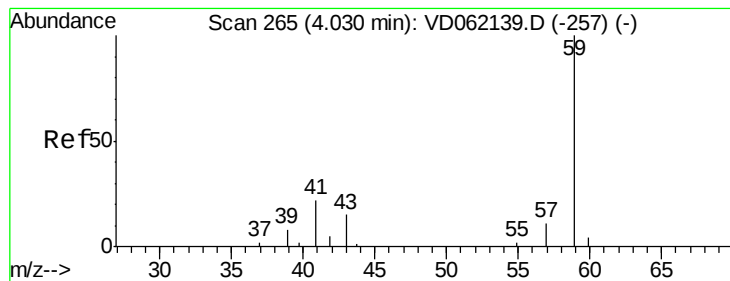


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



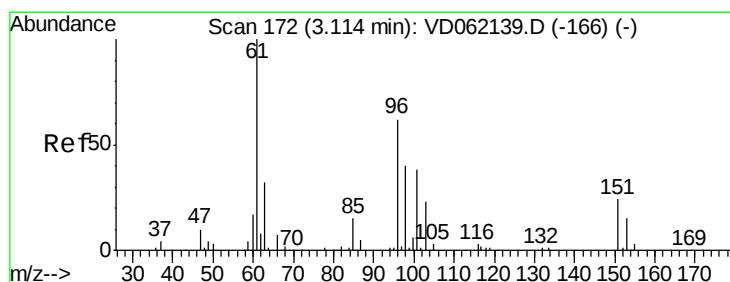
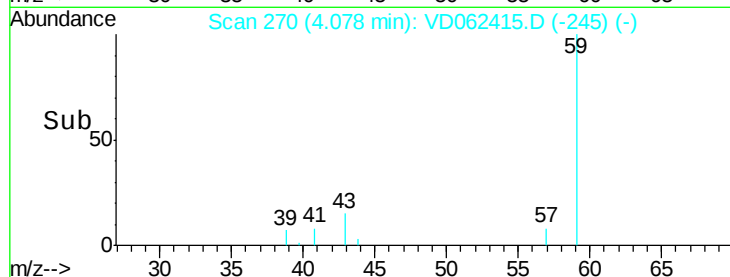
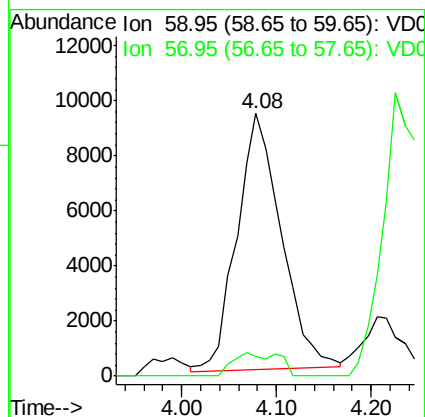
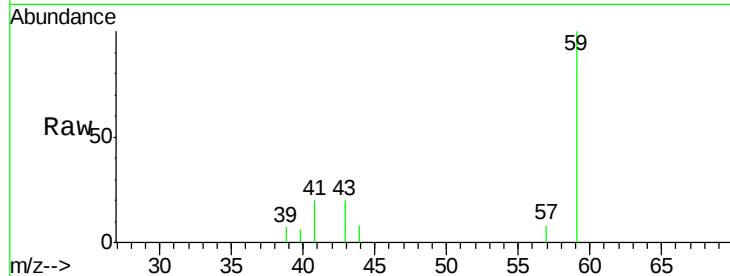


#11

Tert butyl alcohol
Concen: 100.027 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

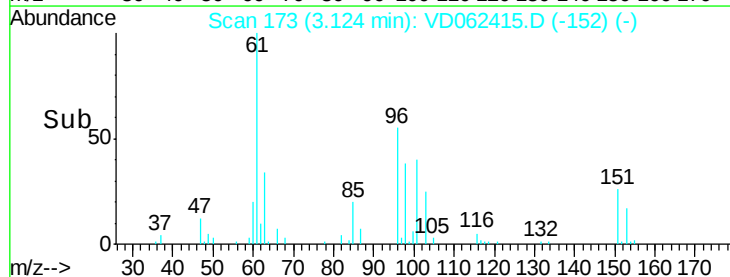
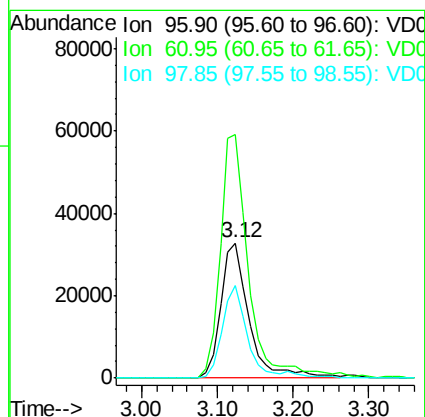
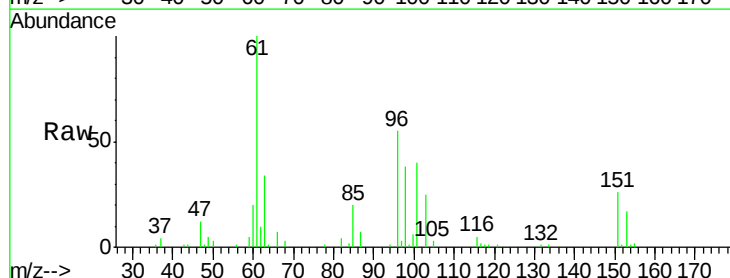
Tot Ion: 59 Resp: 30065
Ion Ratio Lower Upper
59 100
57 7.6 6.9 10.3

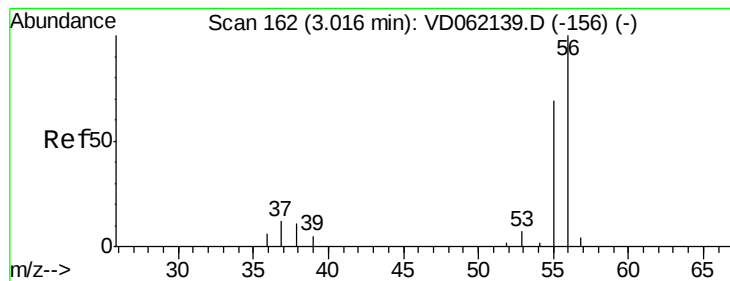


#12

1,1-Dichloroethene
Concen: 17.583 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 96 Resp: 84951
Ion Ratio Lower Upper
96 100
61 180.6 129.8 194.8
98 68.7 51.2 76.8





#13

Acrolein

Concen: 65.025 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

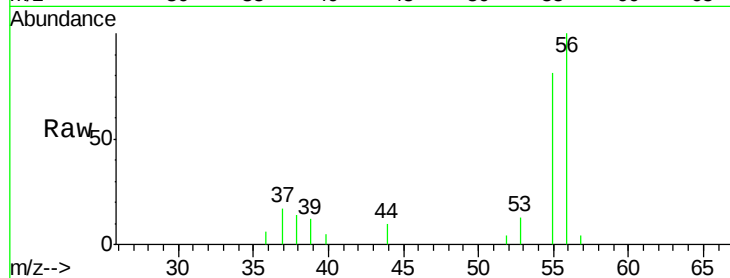
VD0516SBS01

Tot Ion: 56 Resp: 20215

Ion Ratio Lower Upper

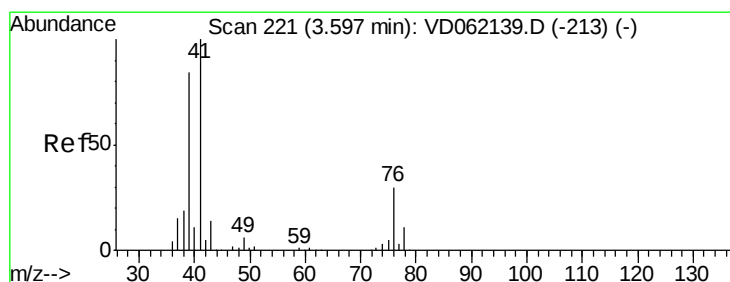
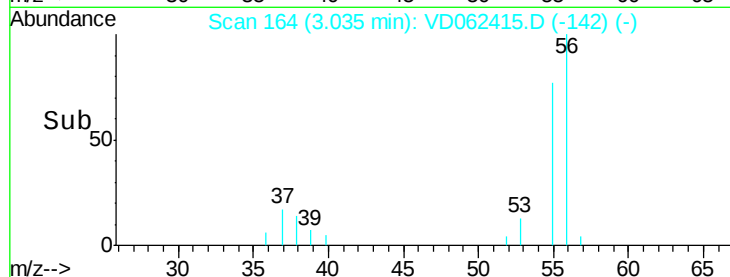
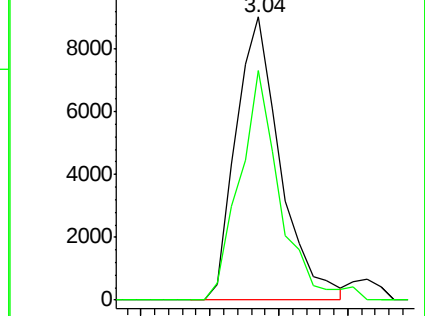
56 100

55 81.2 51.4 77.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.562 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

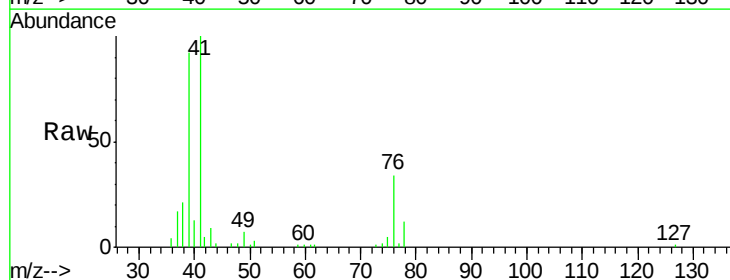
Tgt Ion: 41 Resp: 130390

Ion Ratio Lower Upper

41 100

39 91.7 60.5 90.7#

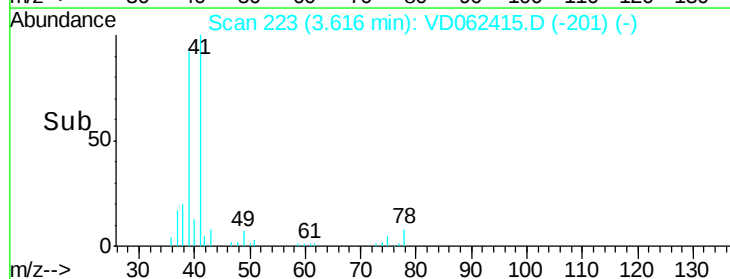
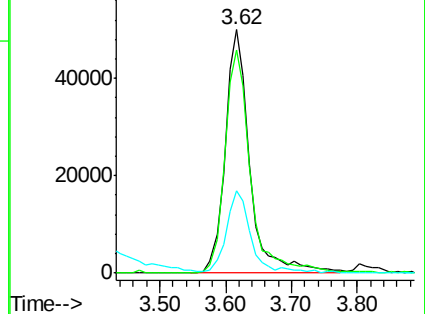
76 33.9 31.8 47.8

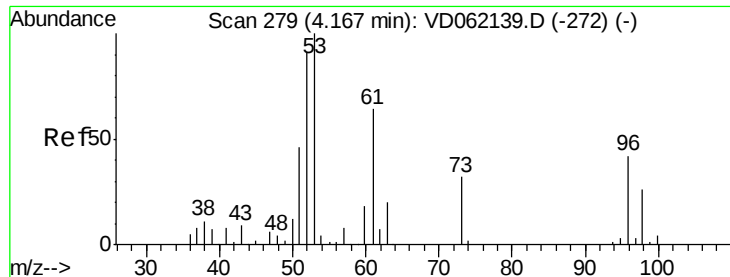


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 94.862 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBSD01

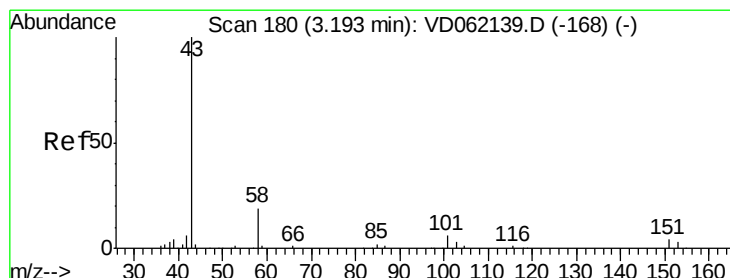
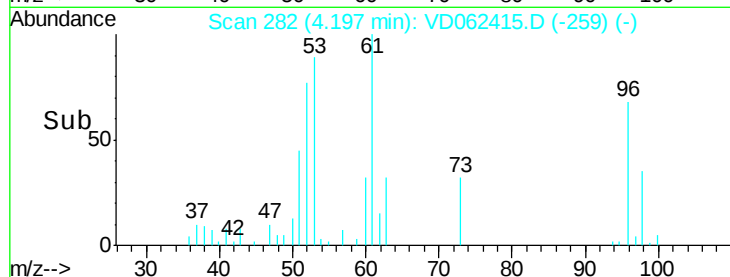
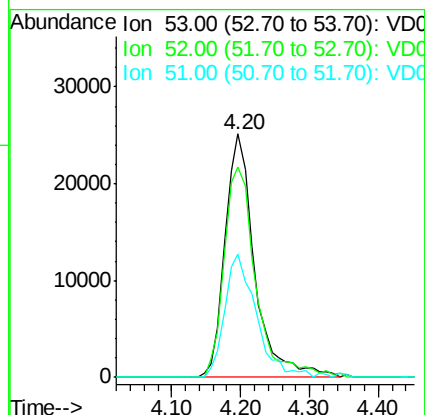
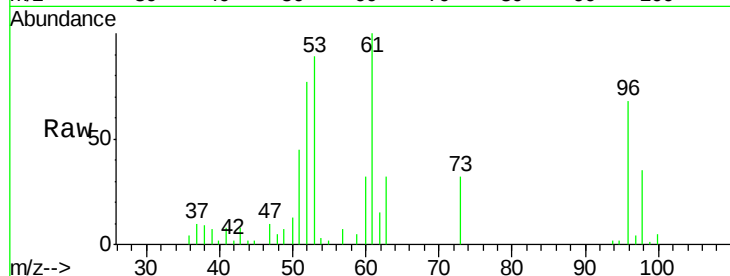
Tot Ion: 53 Resp: 74944

Ion Ratio Lower Upper

53 100

52 86.3 65.0 97.4

51 50.7 32.6 48.8#



#16

Acetone

Concen: 117.814 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062415.D

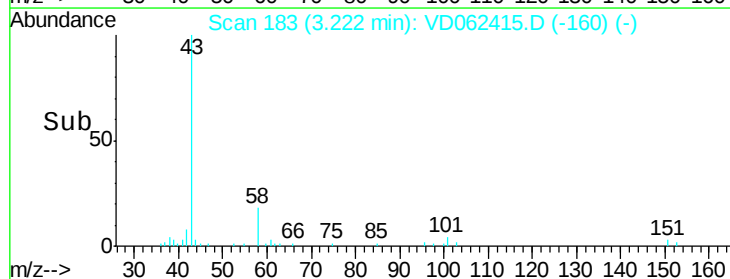
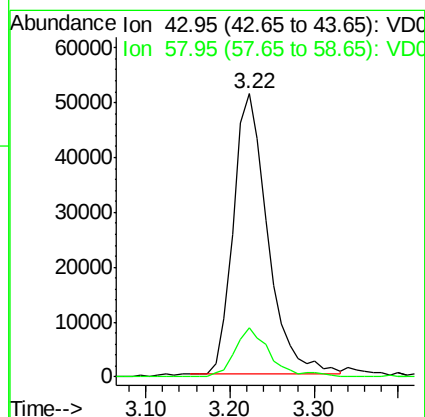
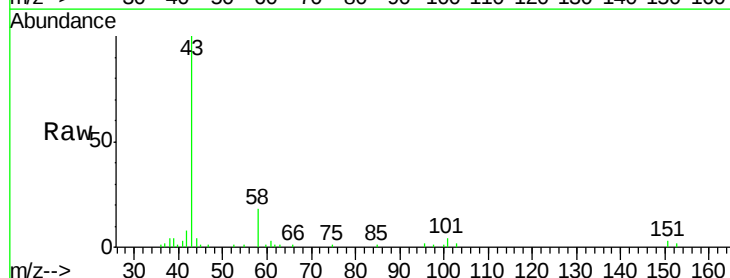
Acq: 16 May 2019 14:08

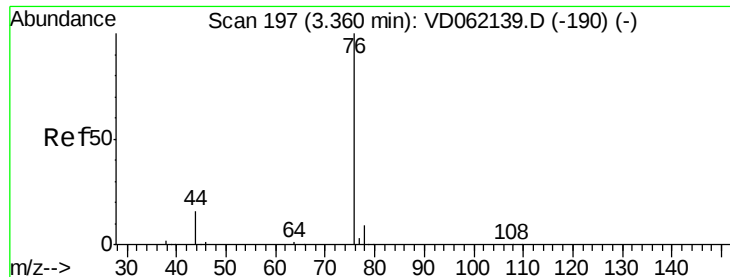
Tgt Ion: 43 Resp: 145483

Ion Ratio Lower Upper

43 100

58 17.5 19.9 29.9#





#17

Carbon Disulfide

Concen: 14.136 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

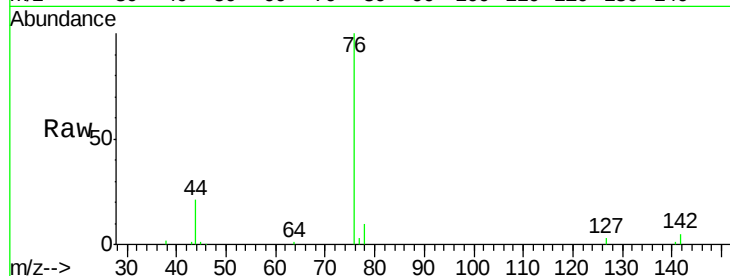
VD0516SBSD01

Tot Ion: 76 Resp: 196471

Ion Ratio Lower Upper

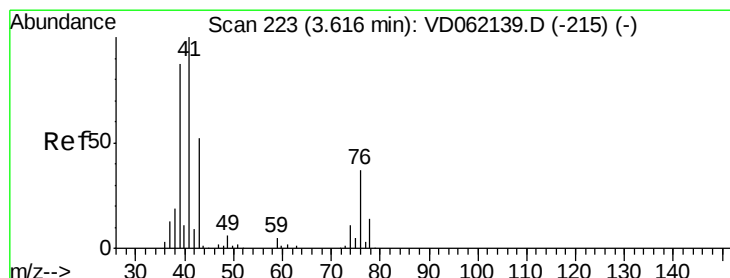
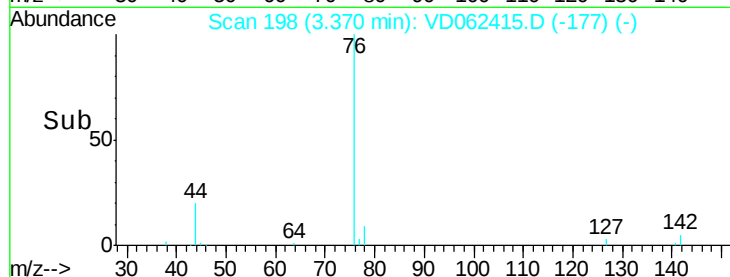
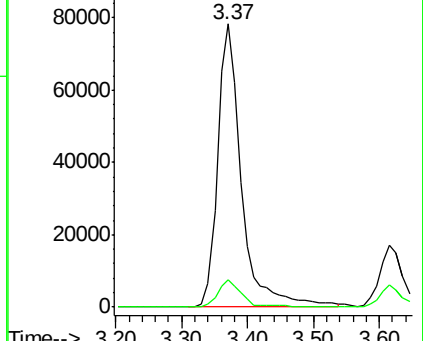
76 100

78 9.7 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.331 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD062415.D

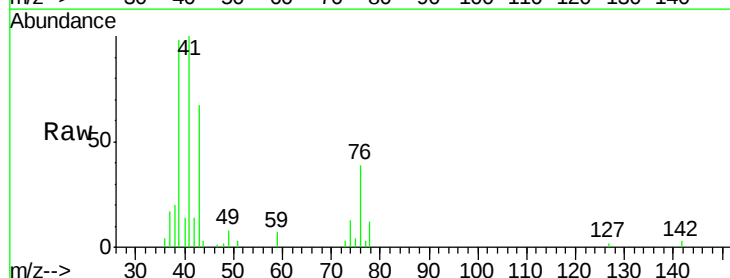
Acq: 16 May 2019 14:08

Tgt Ion: 43 Resp: 40910

Ion Ratio Lower Upper

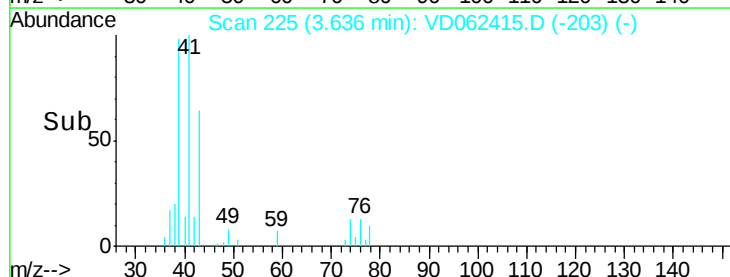
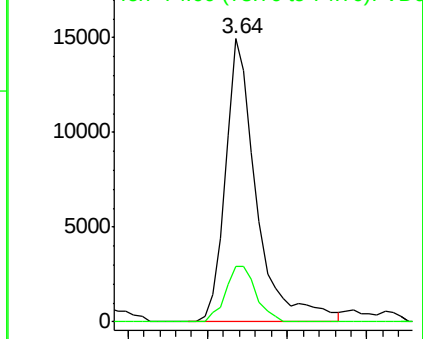
43 100

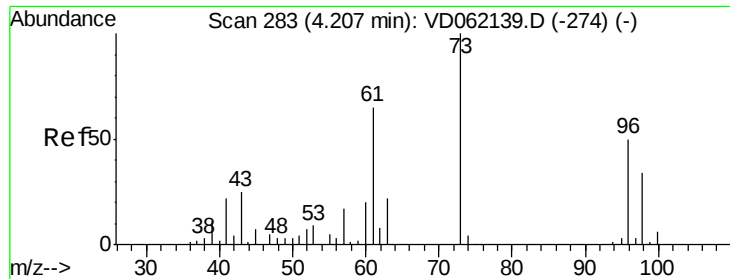
74 19.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

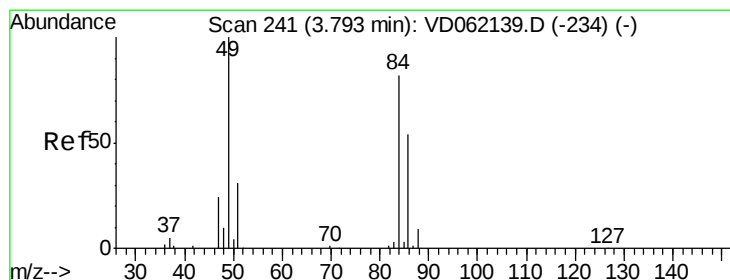
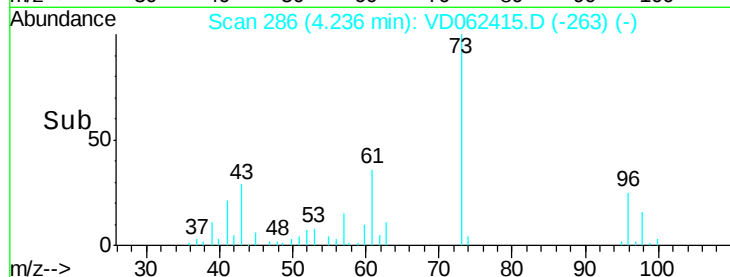
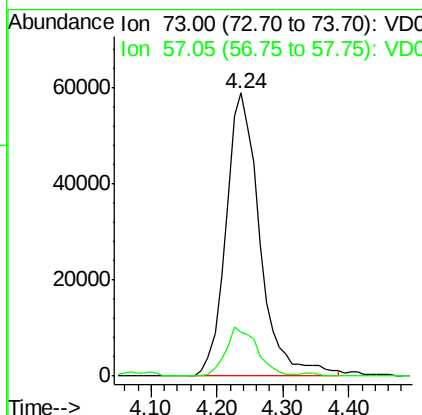
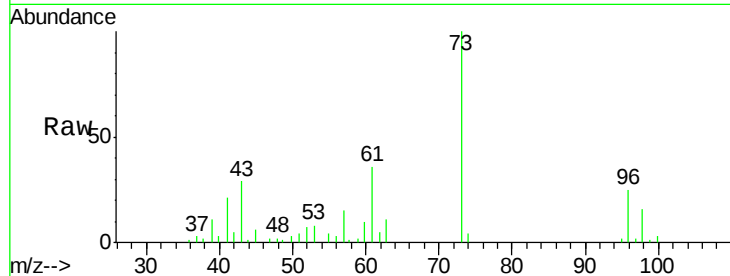




#19
Methyl tert-butyl Ether
Concen: 20.473 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

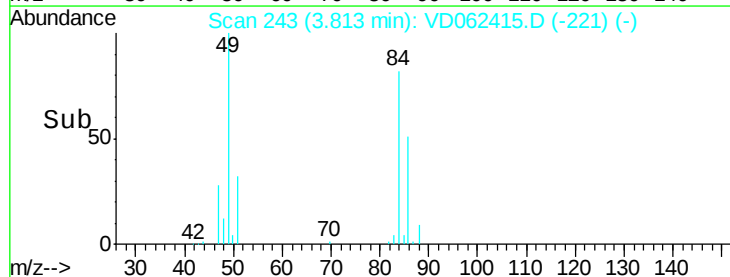
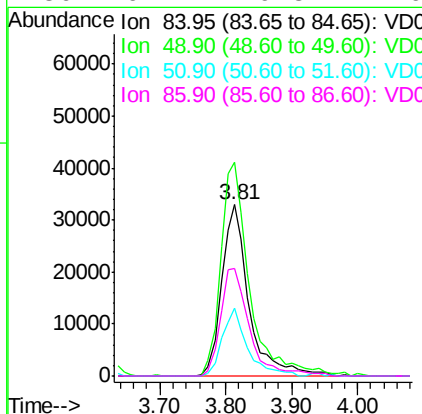
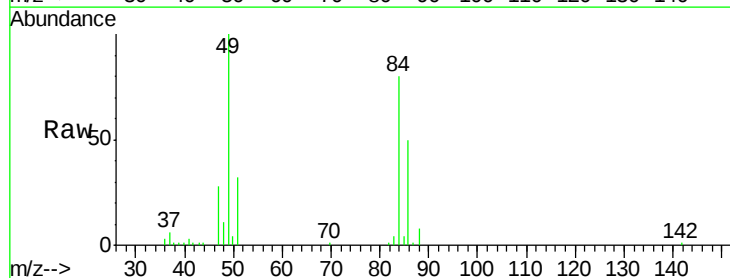
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

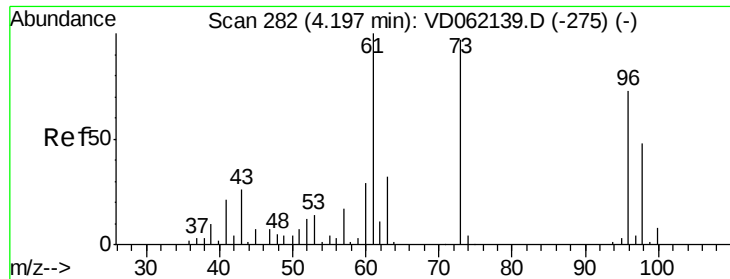
Tot Ion: 73 Resp: 212013
Ion Ratio Lower Upper
73 100
57 16.7 16.3 24.5



#20
Methylene Chloride
Concen: 18.381 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 84 Resp: 94770
Ion Ratio Lower Upper
84 100
49 124.8 94.0 141.0
51 39.6 29.0 43.4
86 62.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.119 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBSD01

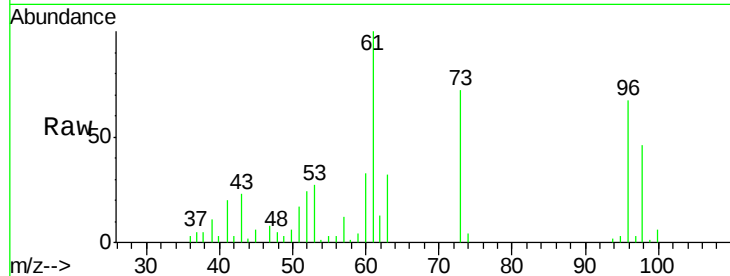
Tot Ion: 96 Resp: 97410

Ion Ratio Lower Upper

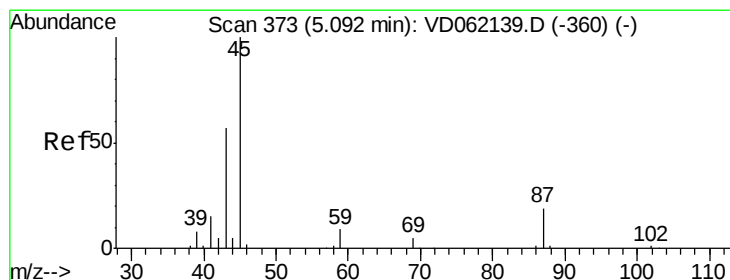
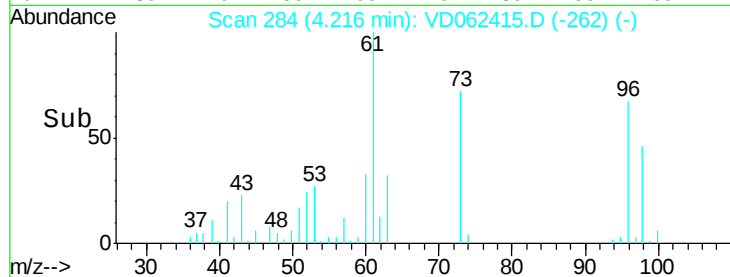
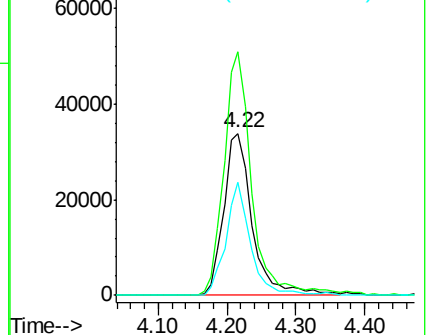
96 100

61 150.0 104.4 156.6

98 69.7 51.8 77.8



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: 19.310 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Tgt Ion: 45 Resp: 288661

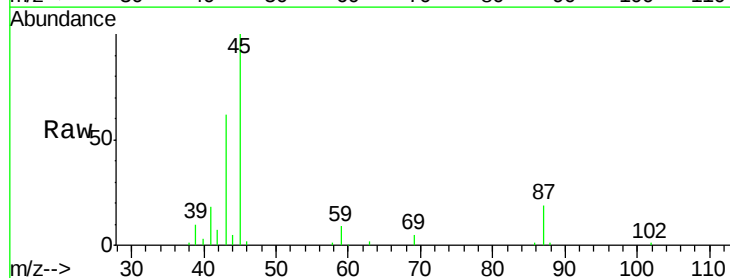
Ion Ratio Lower Upper

45 100

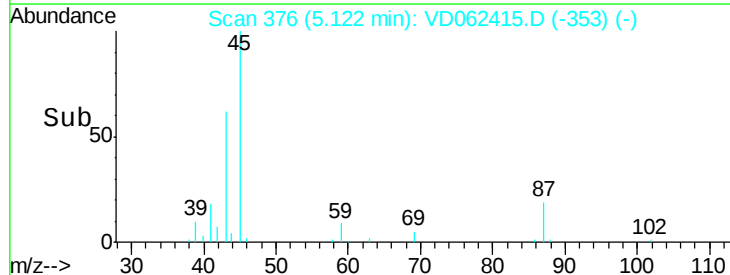
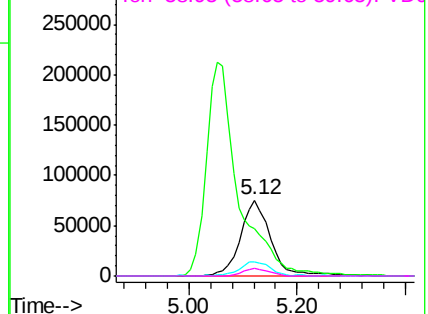
43 62.4 46.2 69.2

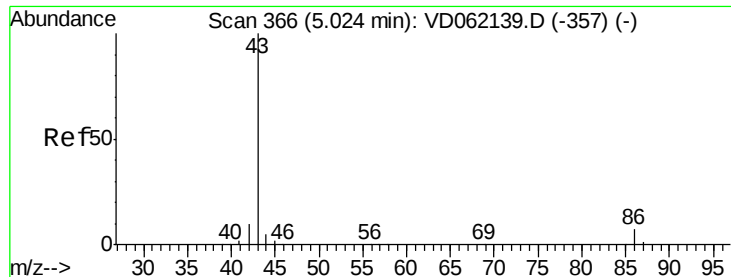
87 19.5 15.9 23.9

59 9.4 7.9 11.9



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: 109.109 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

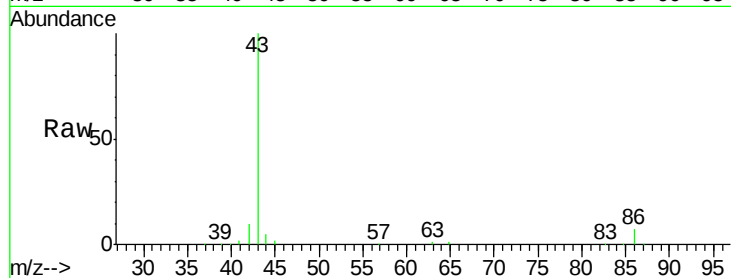
VD0516SBSD01

Tot Ion: 43 Resp: 860538

Ion Ratio Lower Upper

43 100

86 7.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

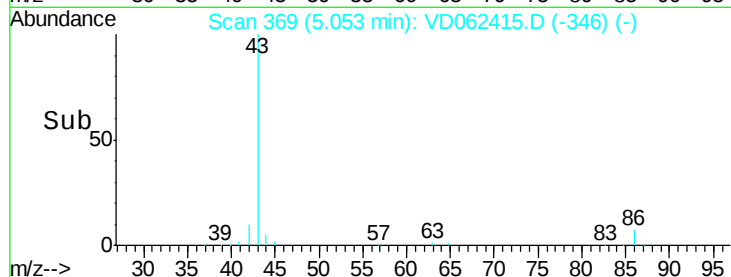
150000

100000

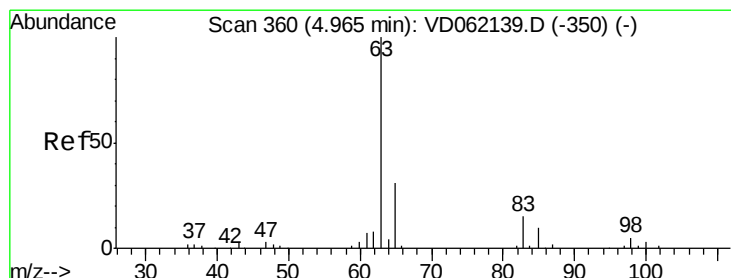
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 18.882 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

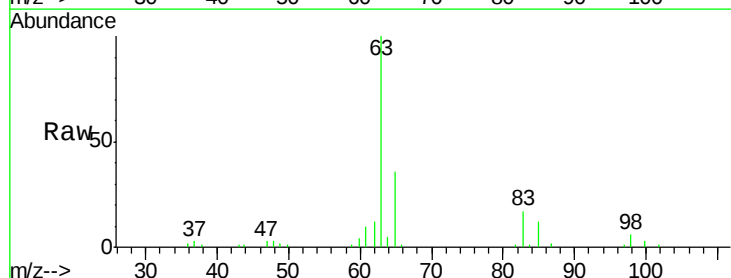
Tgt Ion: 63 Resp: 170273

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.4 1.8 5.5



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

60000

50000

40000

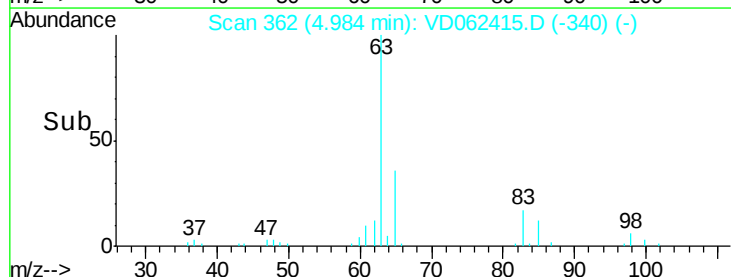
30000

20000

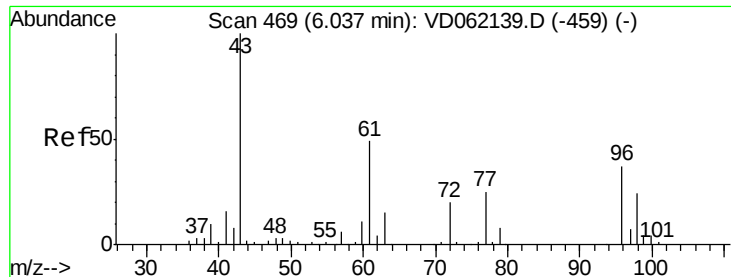
10000

0

Time-->



Time-->



#25

2-Butanone

Concen: 102.200 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

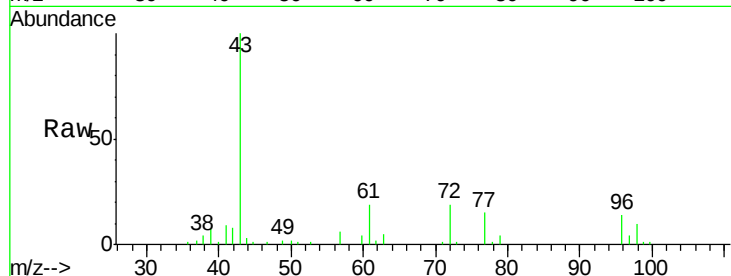
VD0516SBSD01

Tot Ion: 43 Resp: 137657

Ion Ratio Lower Upper

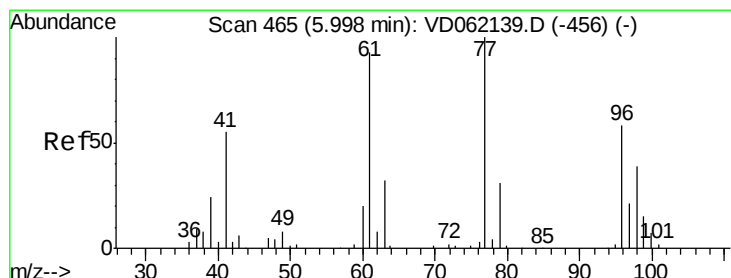
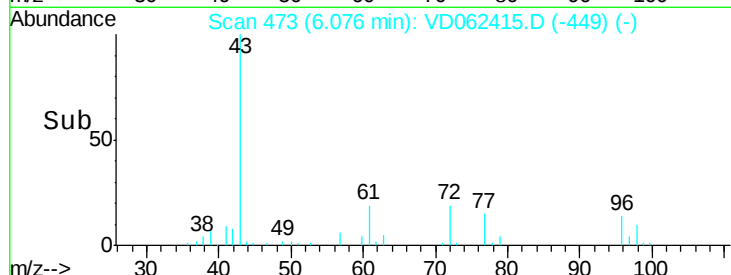
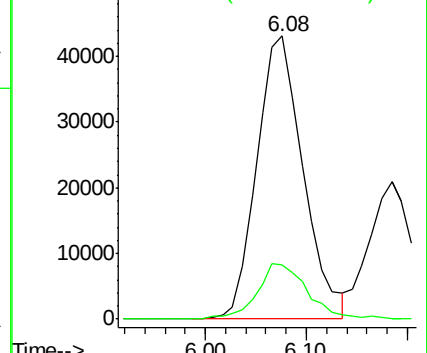
43 100

72 19.1 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.462 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062415.D

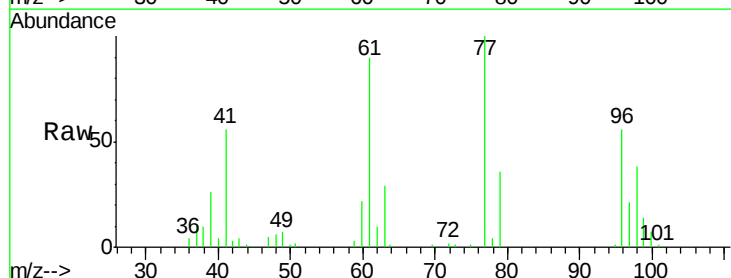
Acq: 16 May 2019 14:08

Tgt Ion: 77 Resp: 192792

Ion Ratio Lower Upper

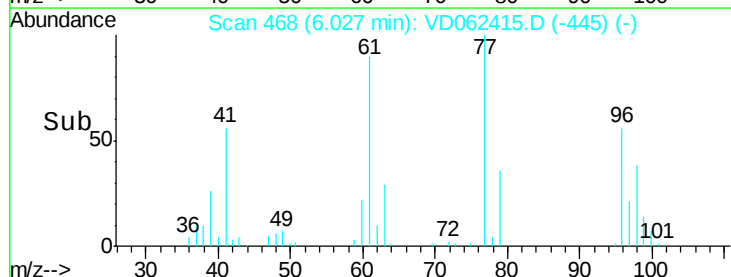
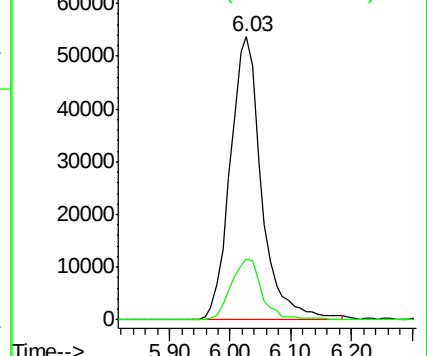
77 100

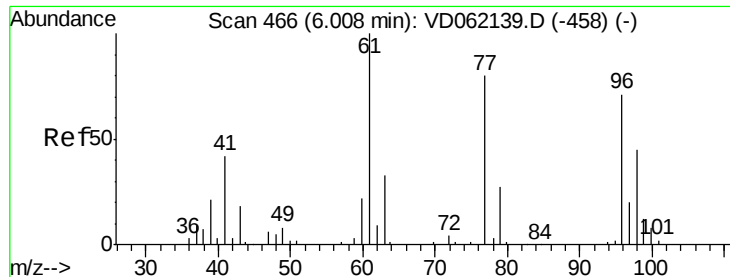
97 21.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



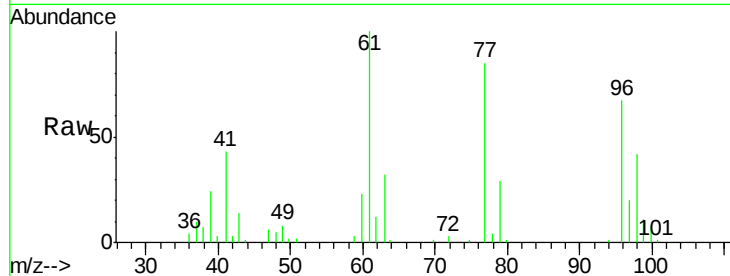


#27

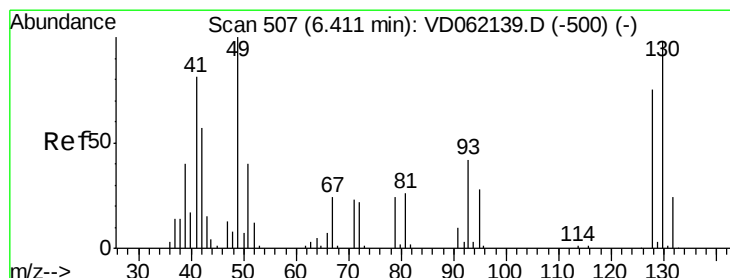
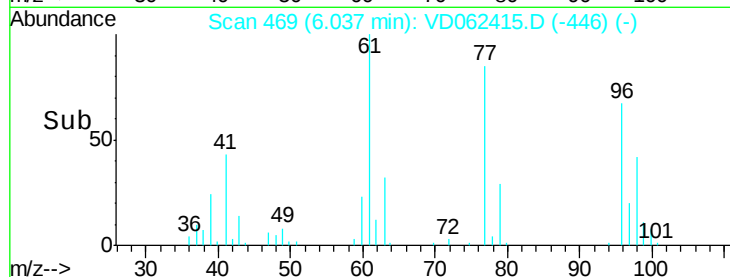
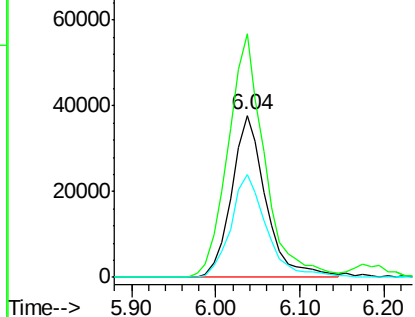
cis-1,2-Dichloroethene
 Concen: 17.705 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.03 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBS01

Tot Ion: 96 Resp: 106541
 Ion Ratio Lower Upper
 96 100
 61 150.3 0.0 279.8
 98 63.2 0.0 136.0



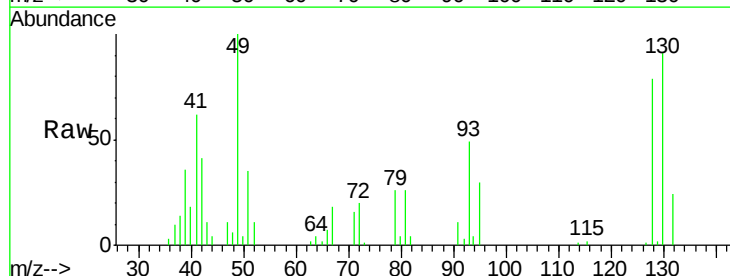
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



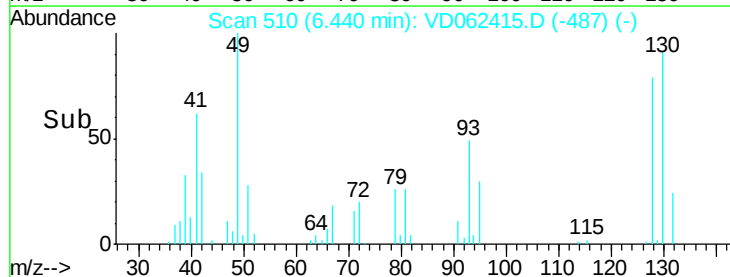
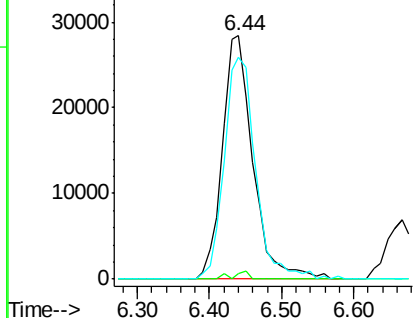
#28

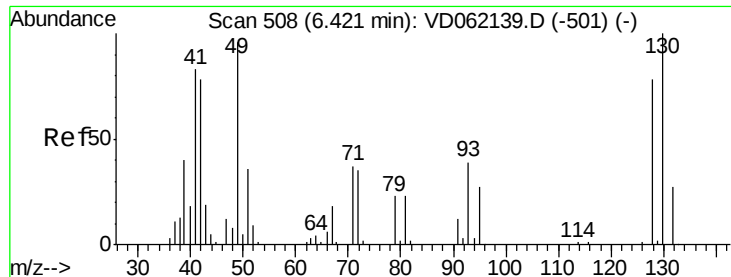
Bromochloromethane
 Concen: 23.463 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.03 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion: 49 Resp: 83244
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 6.6
 130 91.4 86.7 130.1



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

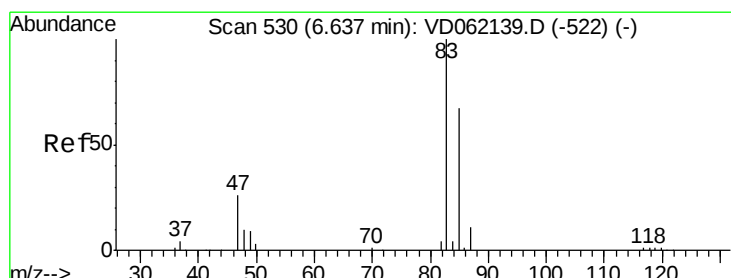
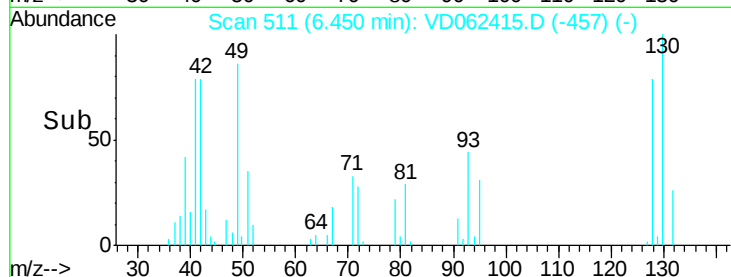
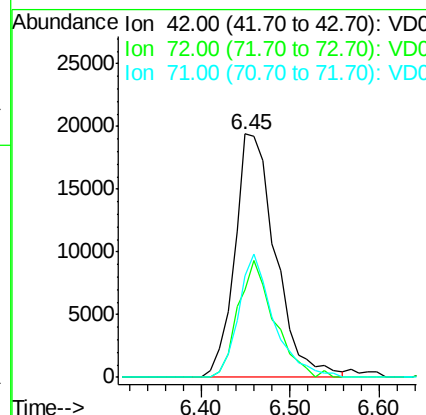
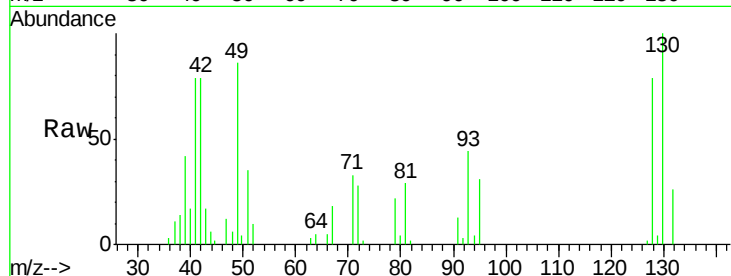




#29
Tetrahydrofuran
Concen: 99.426 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

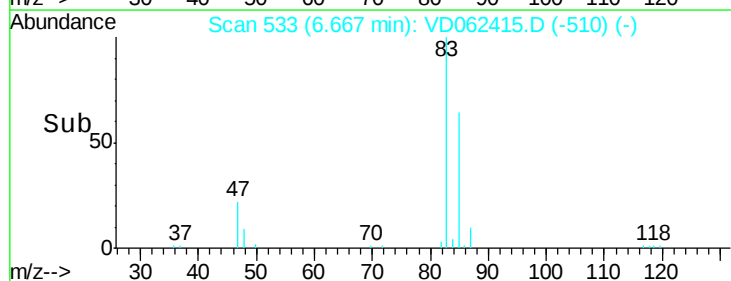
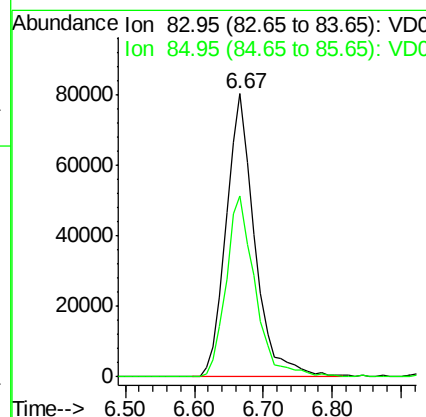
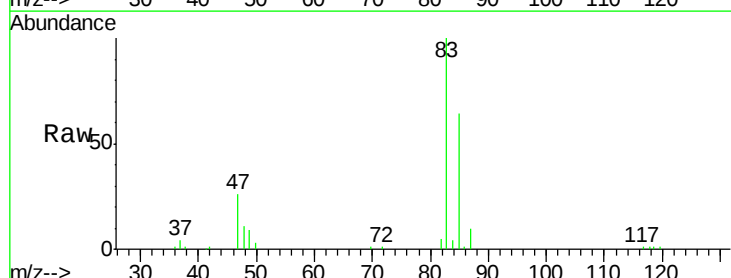
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

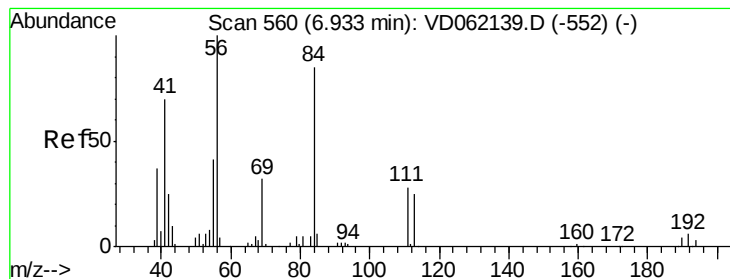
Tot Ion: 42 Resp: 61705
Ion Ratio Lower Upper
42 100
72 42.5 37.8 56.6
71 43.8 36.7 55.1



#30
Chloroform
Concen: 21.192 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 83 Resp: 230316
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5





#31

Cyclohexane

Concen: 18.192 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

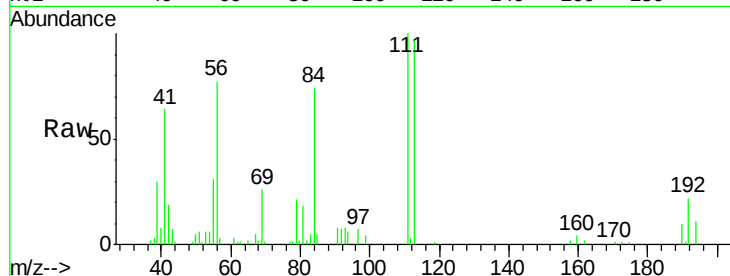
Tot Ion: 56 Resp: 112393

Ion Ratio Lower Upper

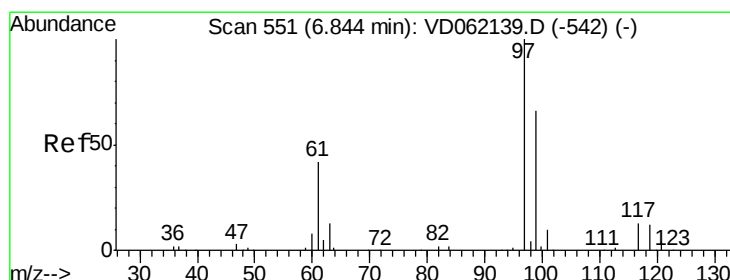
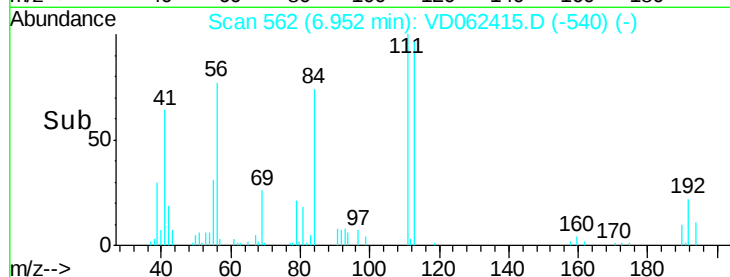
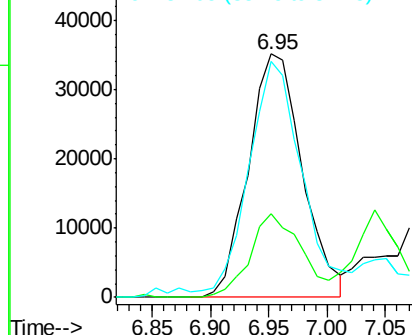
56 100

69 34.1 25.8 38.6

84 96.9 72.2 108.4



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: 21.867 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

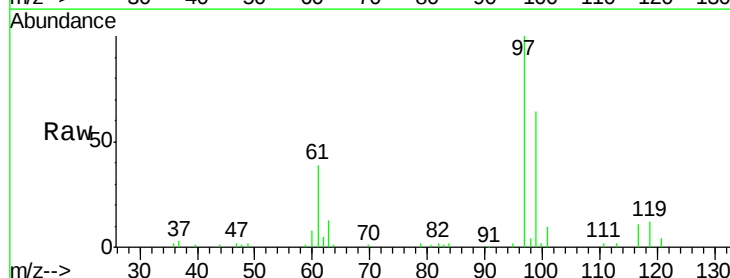
Tgt Ion: 97 Resp: 224628

Ion Ratio Lower Upper

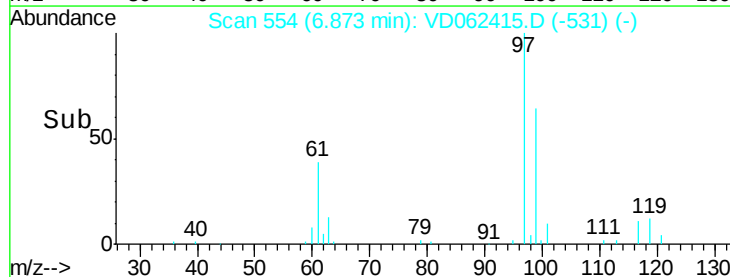
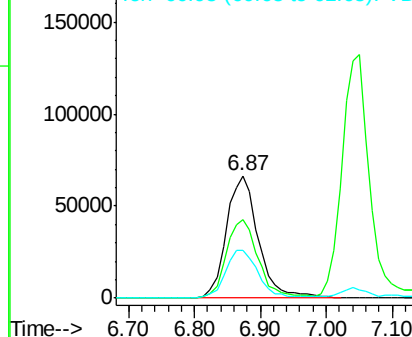
97 100

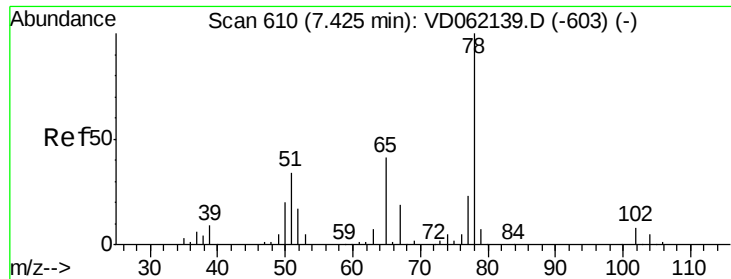
99 64.2 52.2 78.2

61 39.0 32.4 48.6



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: 51.329 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

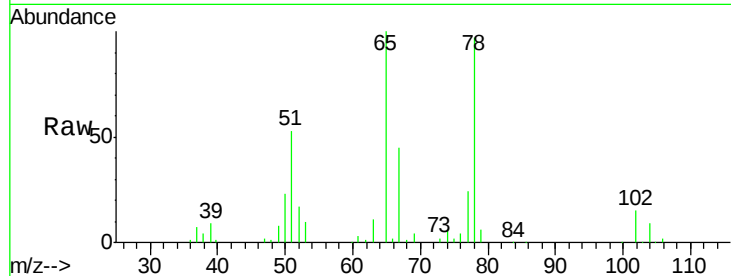
VD0516SBSD01

Tot Ion: 65 Resp: 302244

Ion Ratio Lower Upper

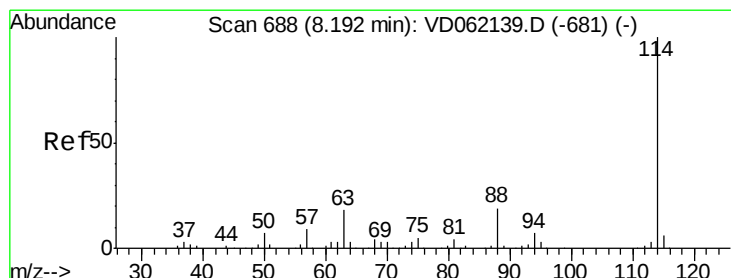
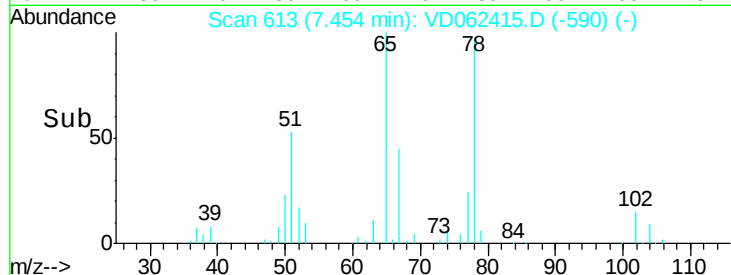
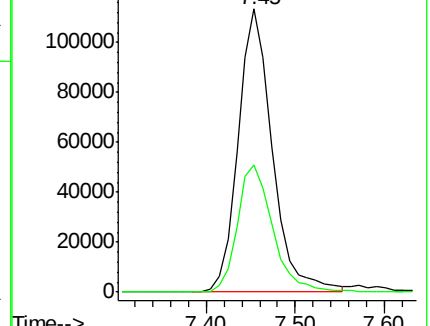
65 100

67 45.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

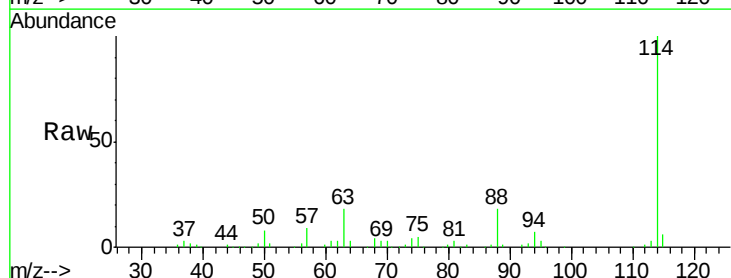
Tgt Ion: 114 Resp: 891337

Ion Ratio Lower Upper

114 100

63 17.9 0.0 32.4

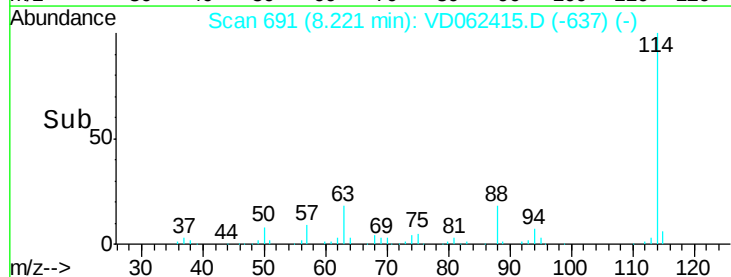
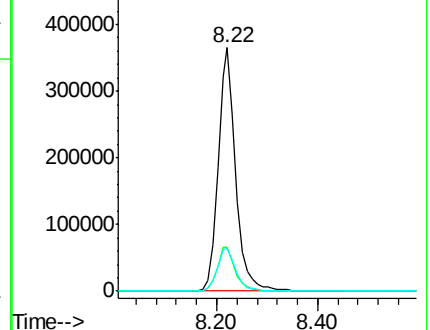
88 17.7 0.0 33.6

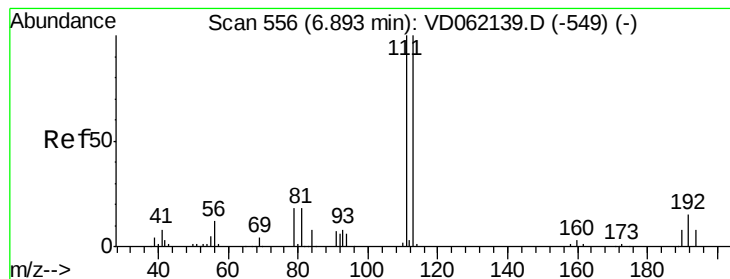


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.116 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBSD01

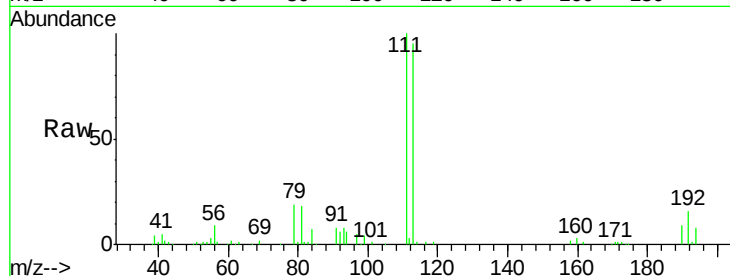
Tot Ion:113 Resp: 370637

Ion Ratio Lower Upper

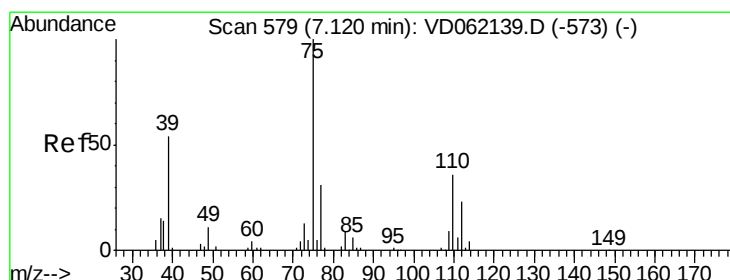
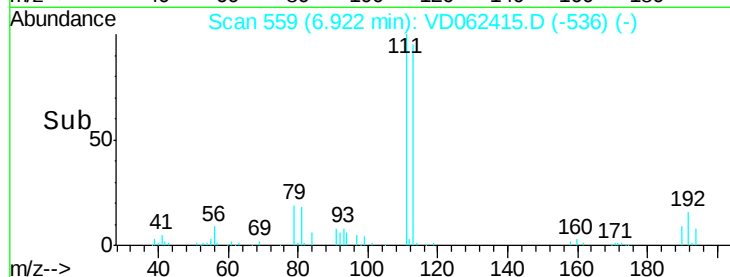
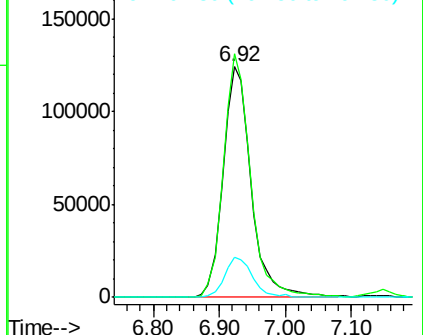
113 100

111 105.8 78.5 117.7

192 17.4 13.0 19.4



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: 21.524 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

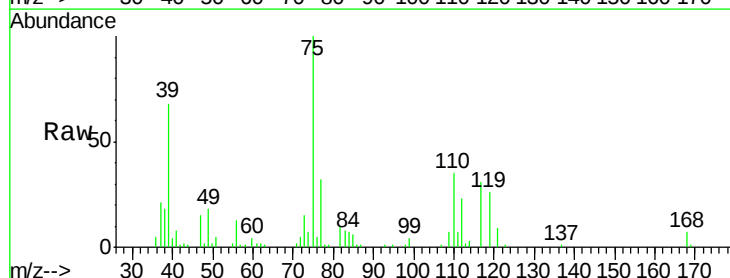
Tgt Ion: 75 Resp: 157301

Ion Ratio Lower Upper

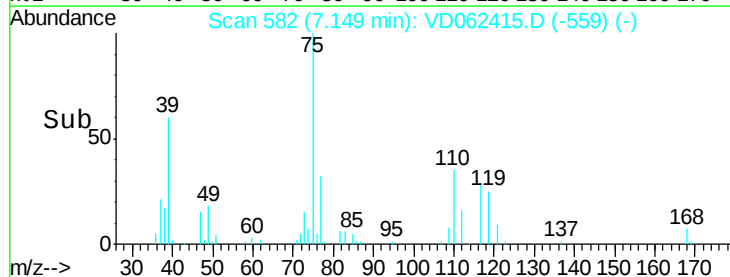
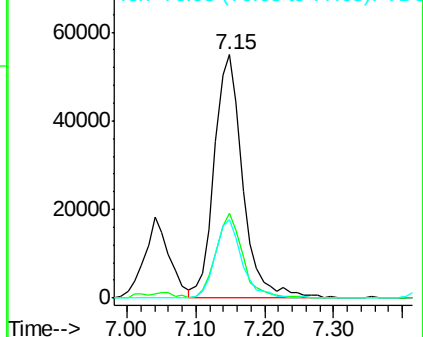
75 100

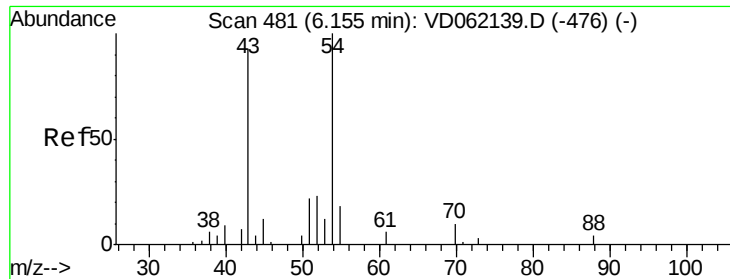
110 35.1 19.1 57.1

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

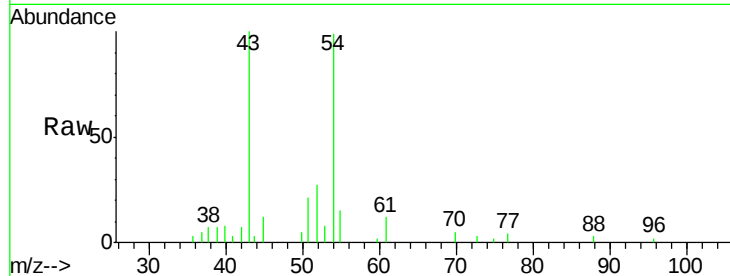




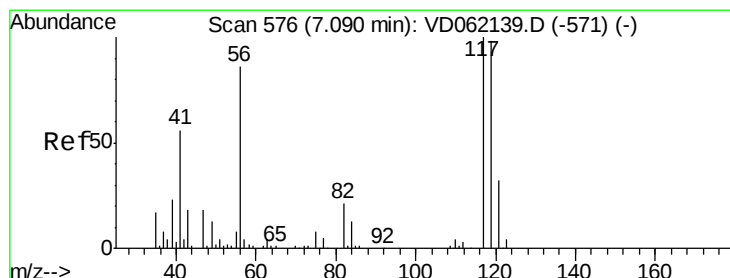
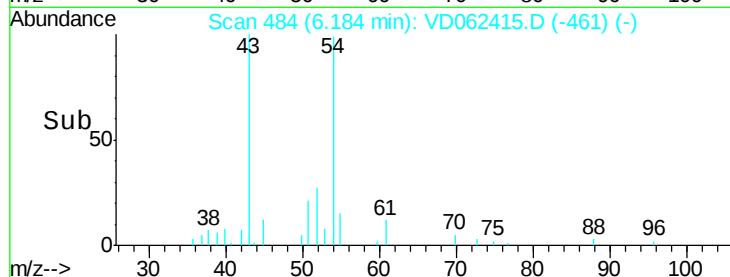
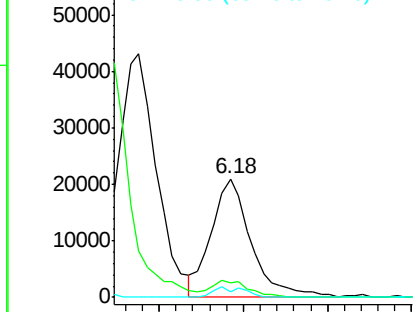
#37
Ethyl Acetate
Concen: 22.328 ug/l
RT: 6.18 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

Tot Ion: 43 Resp: 69200
Ion Ratio Lower Upper
43 100
61 12.3 14.7 22.1#
70 5.1 7.8 11.6#

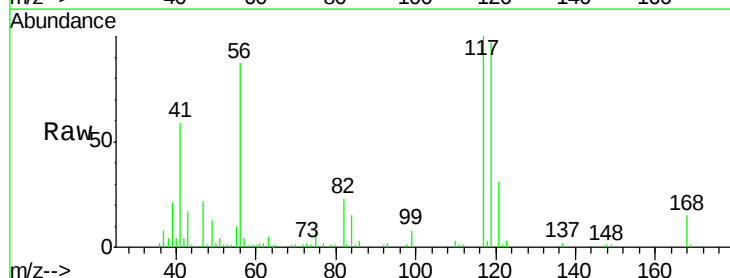


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

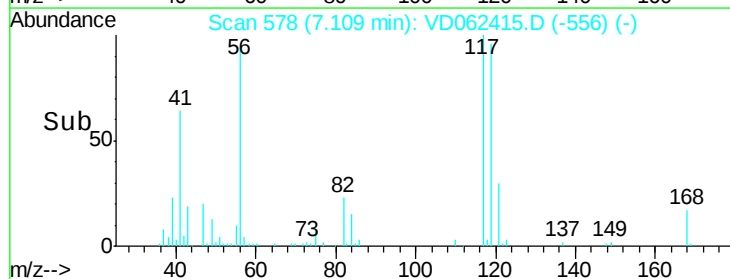
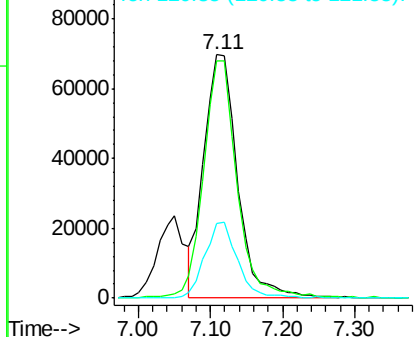


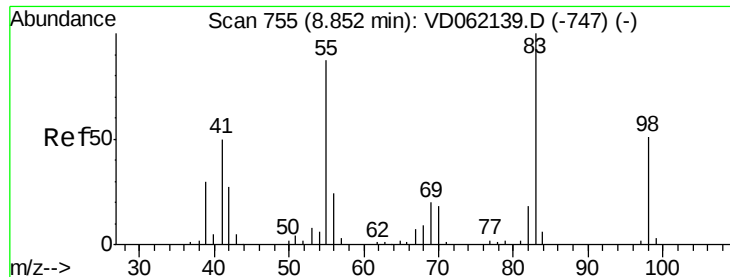
#38
Carbon Tetrachloride
Concen: 22.239 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 117 Resp: 224946
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.8
121 30.9 25.9 38.9



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

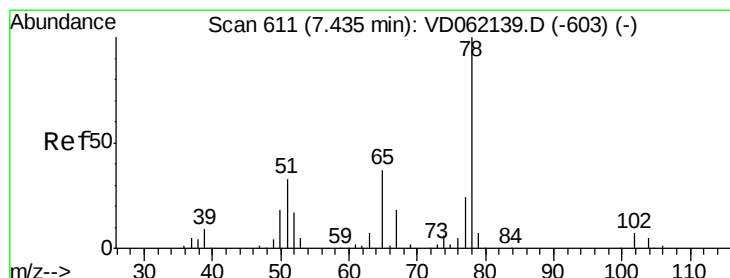
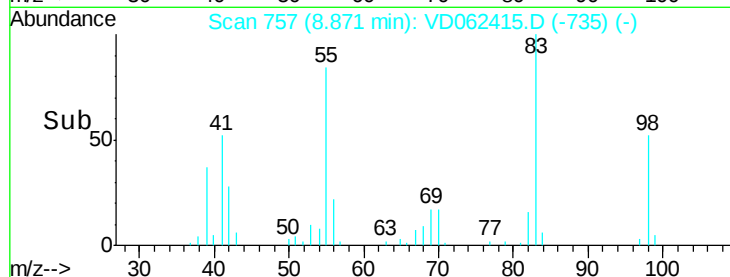
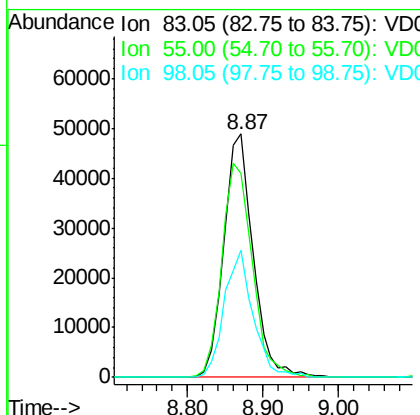
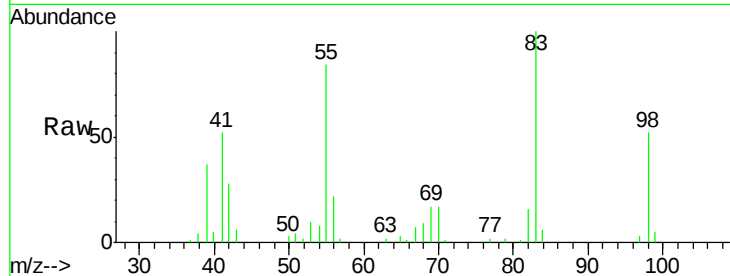




#39
Methvlcvclohexane
Concen: 18.703 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

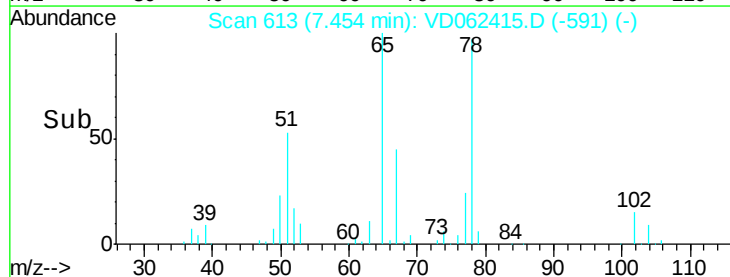
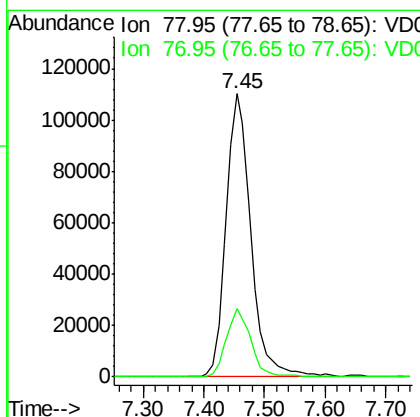
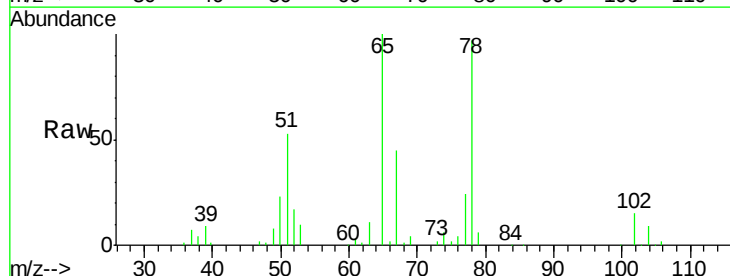
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

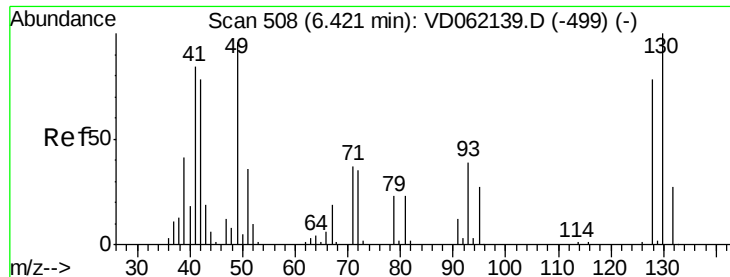
Tot Ion: 83 Resp: 130963
Ion Ratio Lower Upper
83 100
55 83.8 68.2 102.4
98 52.1 38.2 57.4



#40
Benzene
Concen: 18.984 ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 78 Resp: 313280
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5

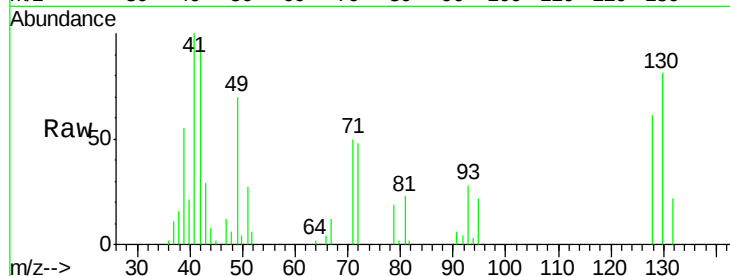




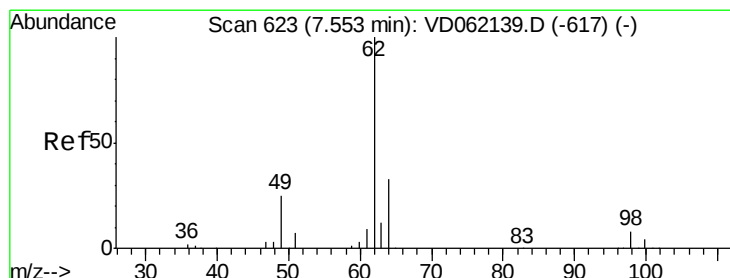
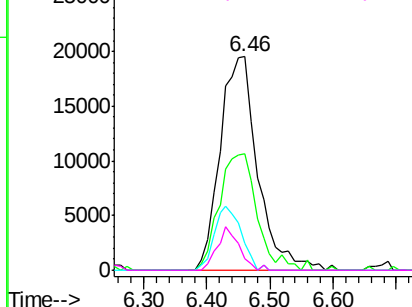
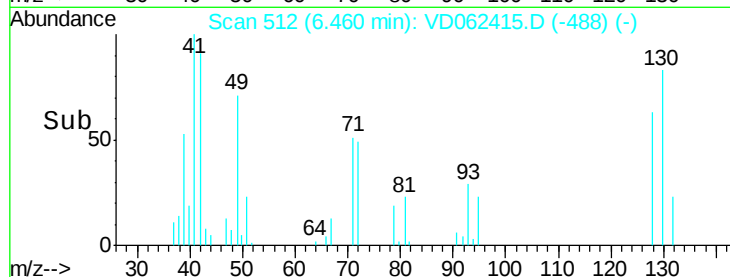
#41
Methacrylonitrile
Concen: 21.388 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

Tot Ion: 41 Resp: 81005
Ion Ratio Lower Upper
41 100
39 54.7 34.1 51.1#
67 12.4 23.8 35.6#
52 5.5 8.8 13.2#

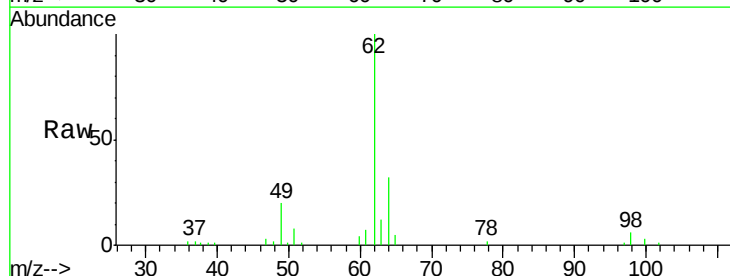


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

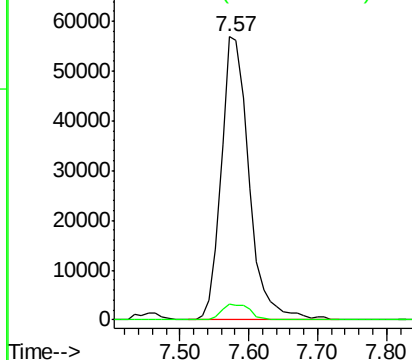
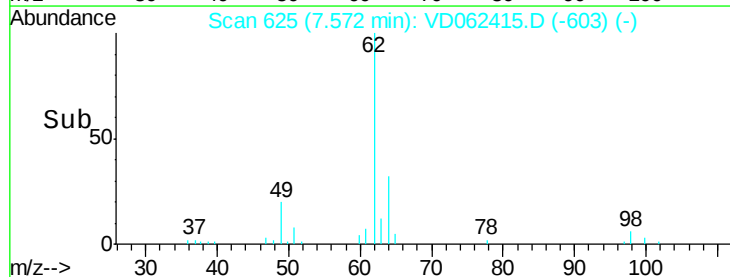


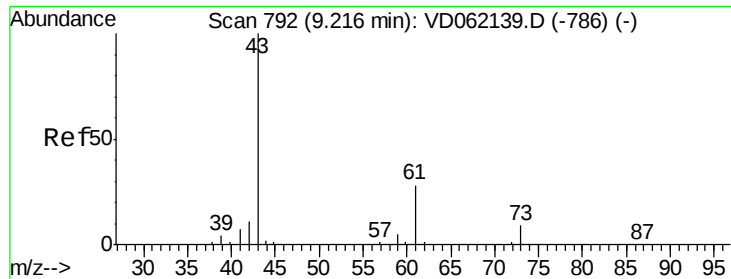
#42
1,2-Dichloroethane
Concen: 22.720 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 62 Resp: 158853
Ion Ratio Lower Upper
62 100
98 5.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



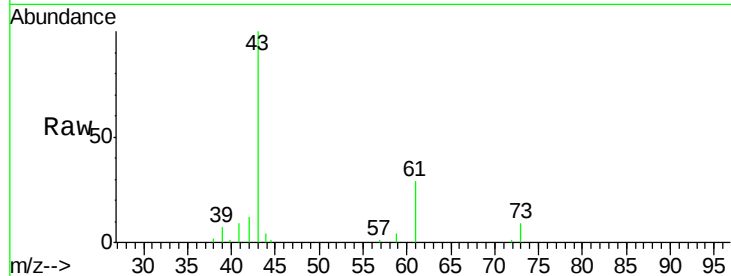


#43

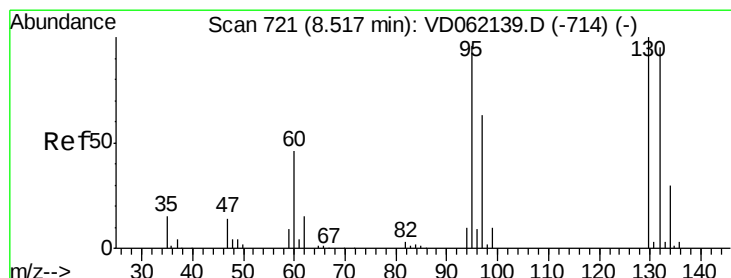
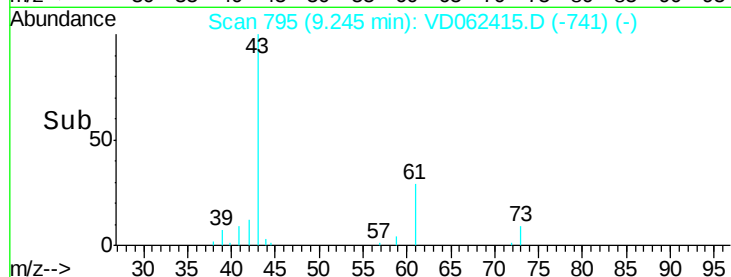
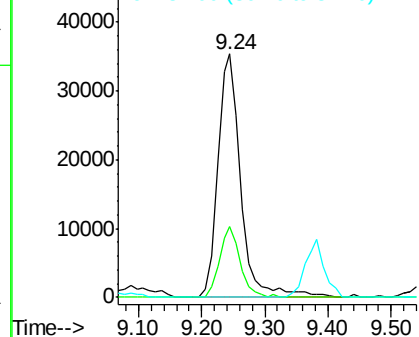
Isopropyl Acetate
 Concen: 20.453 ug/l
 RT: 9.24 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

Tot Ion: 43 Resp: 89900
 Ion Ratio Lower Upper
 43 100
 61 29.2 25.1 37.7
 87 0.0 0.0 0.0



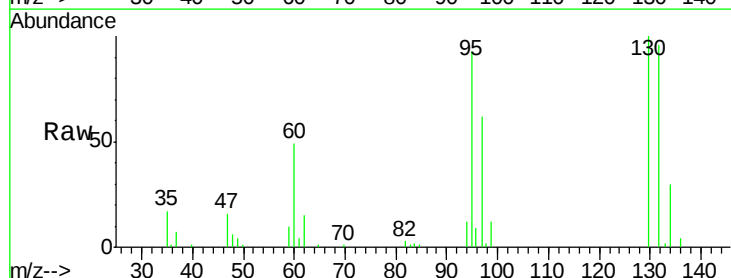
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



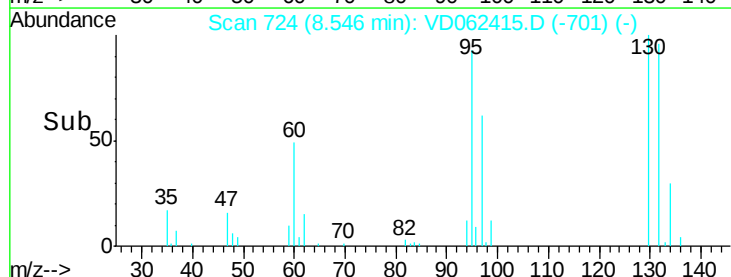
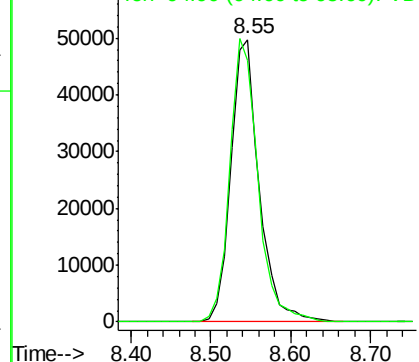
#44

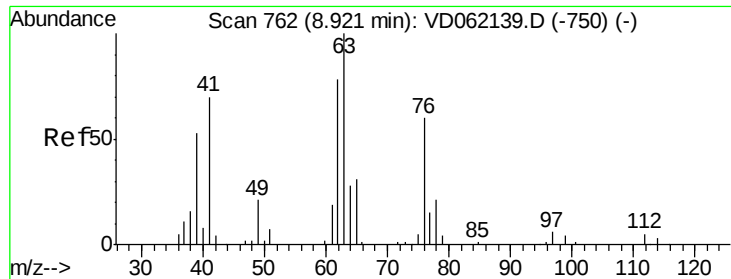
Trichloroethene
 Concen: 19.637 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion: 130 Resp: 123488
 Ion Ratio Lower Upper
 130 100
 95 92.6 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 19.854 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

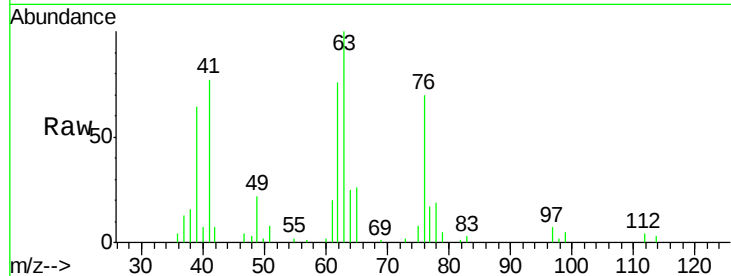
VD0516SBSD01

Tot Ion: 63 Resp: 81042

Ion Ratio Lower Upper

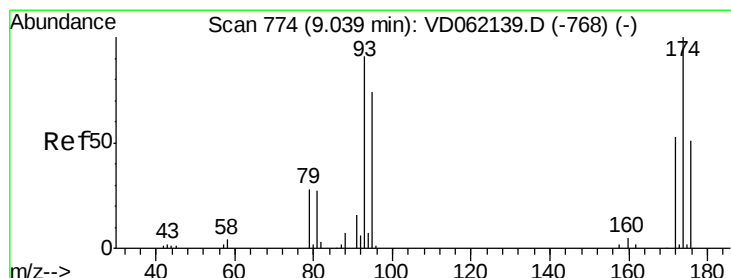
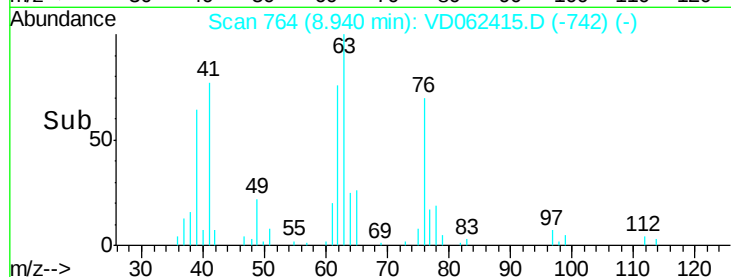
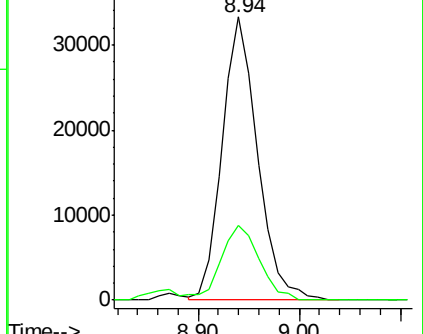
63 100

65 26.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.098 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

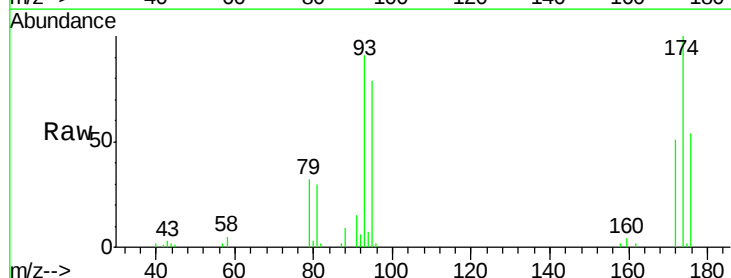
Tgt Ion: 93 Resp: 70032

Ion Ratio Lower Upper

93 100

95 86.6 64.8 97.2

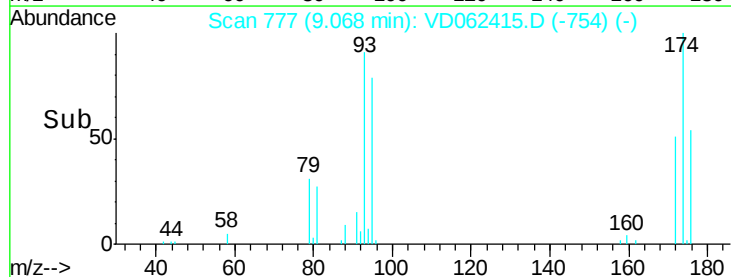
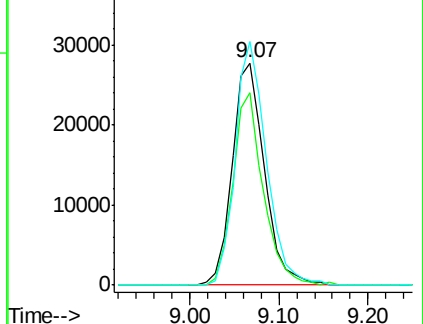
174 109.8 79.3 118.9

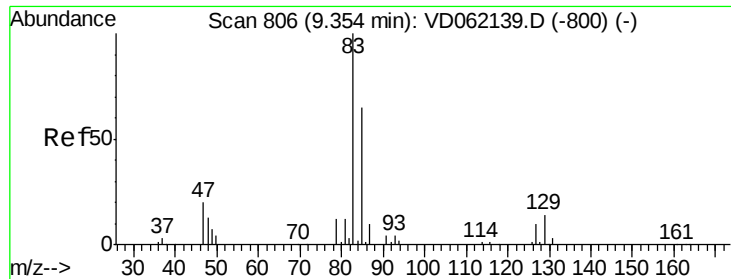


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.829 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBSD01

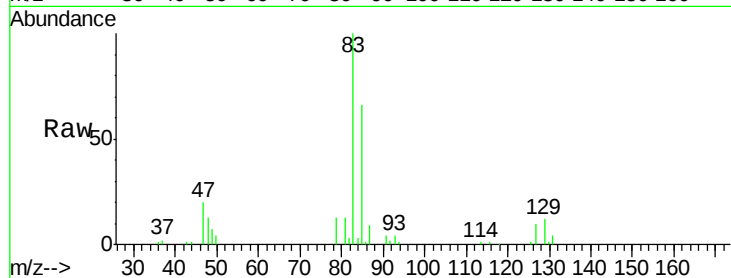
Tot Ion: 83 Resp: 177234

Ion Ratio Lower Upper

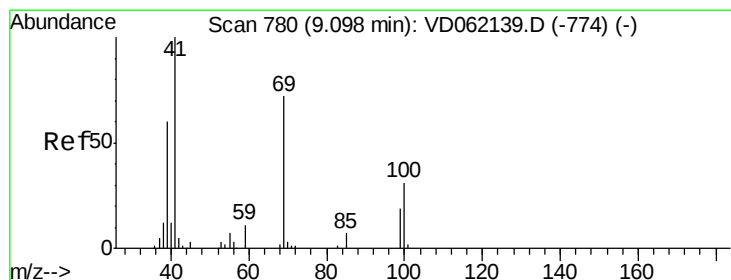
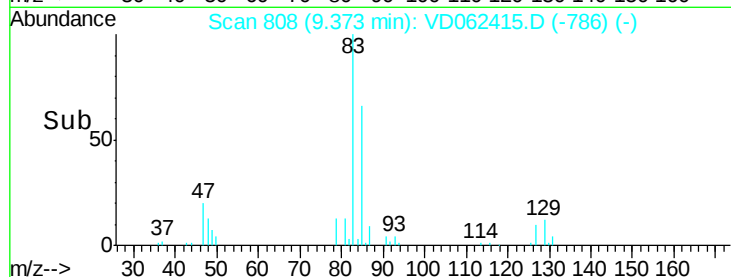
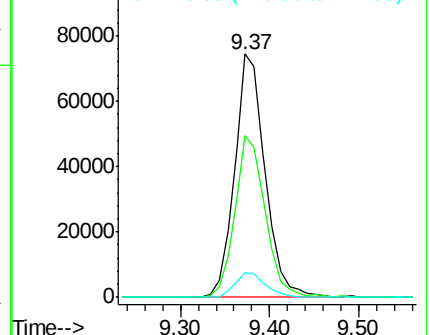
83 100

85 66.3 50.9 76.3

127 10.2 8.1 12.1



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: 21.755 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

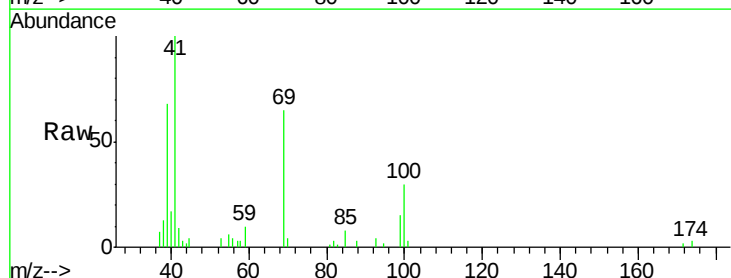
Tgt Ion: 41 Resp: 58899

Ion Ratio Lower Upper

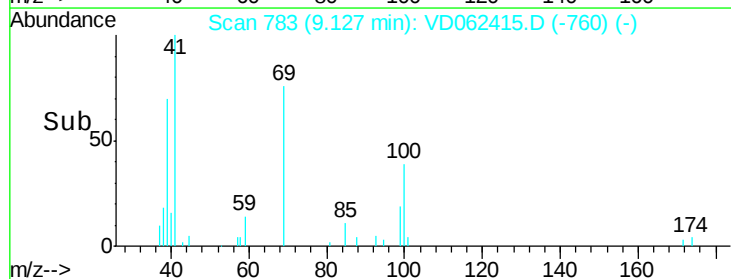
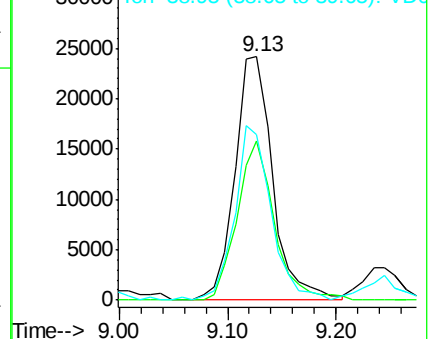
41 100

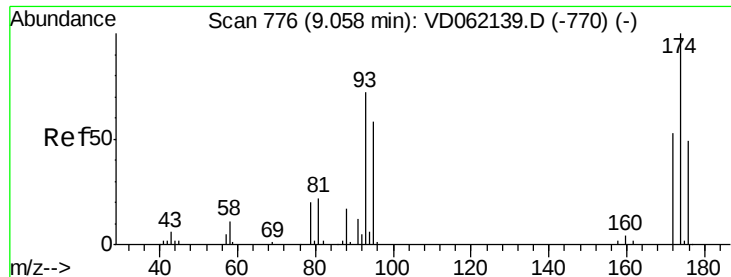
69 65.4 64.2 96.2

39 67.8 46.8 70.2



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

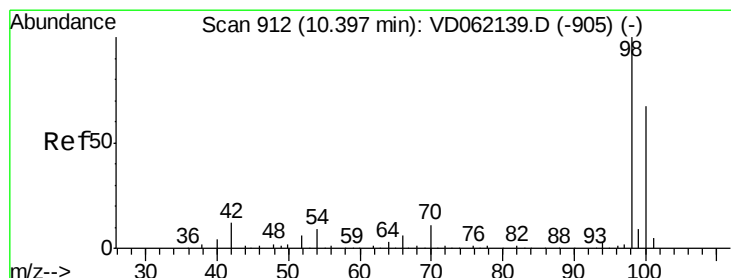
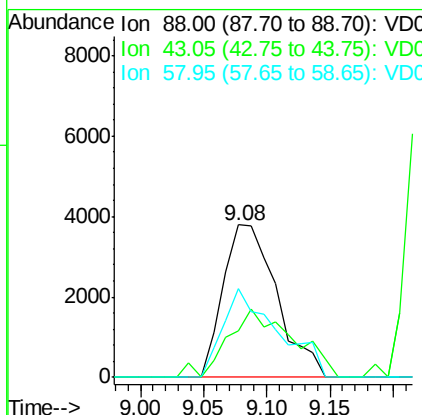
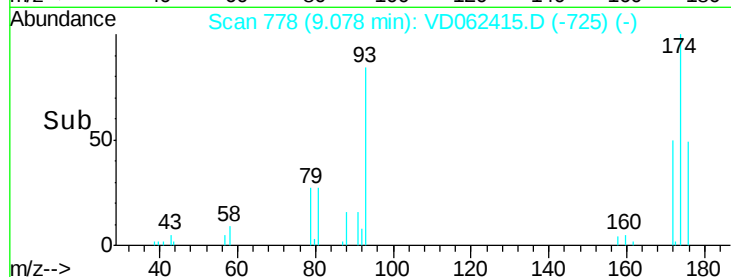
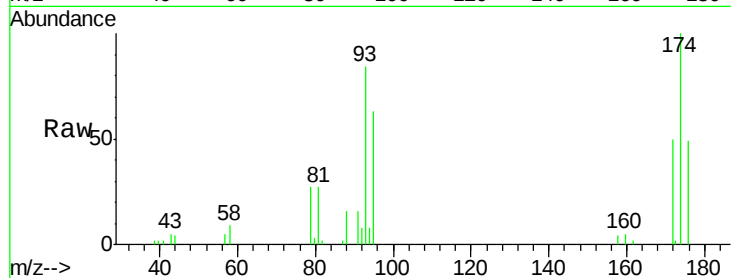




#49
1,4-Dioxane
Concen: 382.448 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

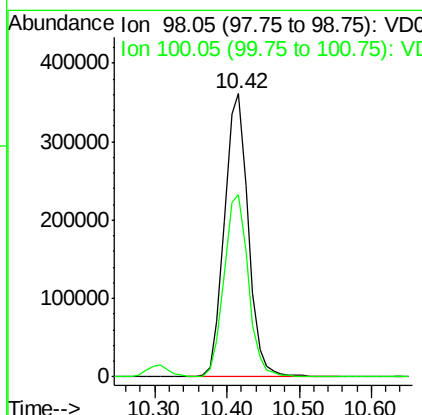
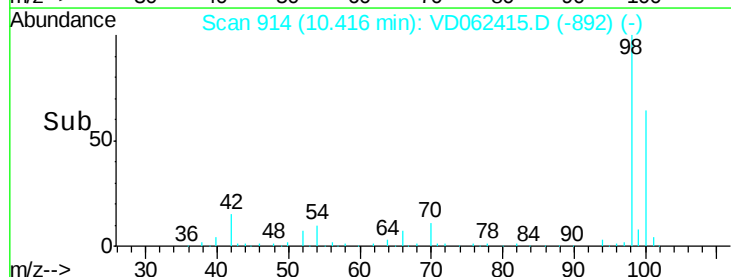
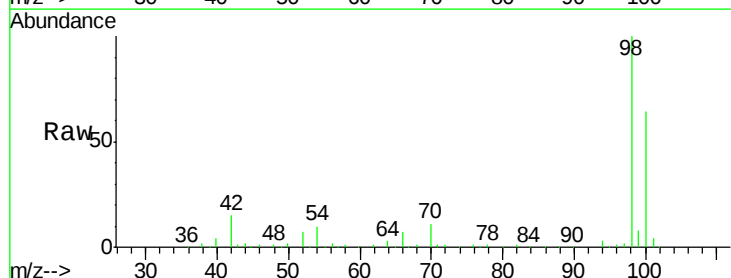
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

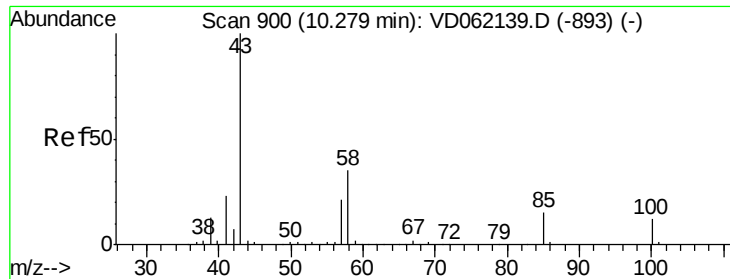
Tot Ion: 88 Resp: 11172
Ion Ratio Lower Upper
88 100
43 30.1 23.4 35.0
58 58.0 44.0 66.0



#50
Toluene-d8
Concen: 46.410 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 98 Resp: 827546
Ion Ratio Lower Upper
98 100
100 64.3 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 107.312 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

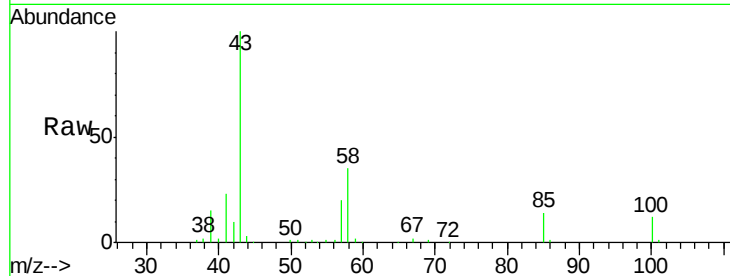
VD0516SBS01

Tot Ion: 43 Resp: 303205

Ion Ratio Lower Upper

43 100

58 34.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

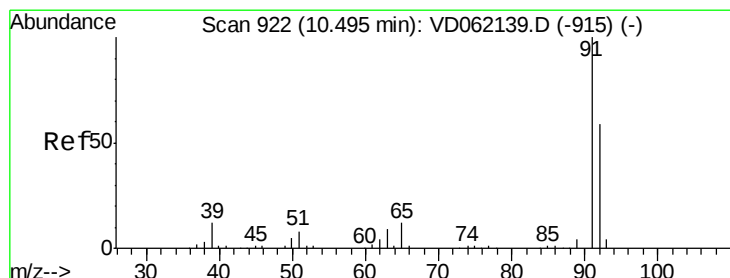
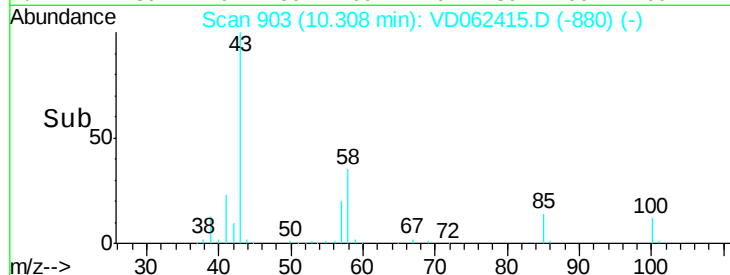
10.31

100000

50000

0

Time-->



#52

Toluene

Concen: 20.232 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062415.D

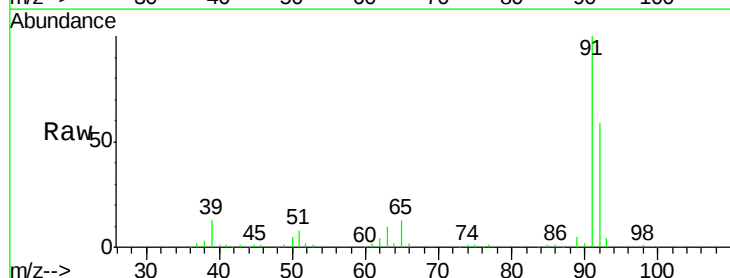
Acq: 16 May 2019 14:08

Tgt Ion: 92 Resp: 217234

Ion Ratio Lower Upper

92 100

91 170.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

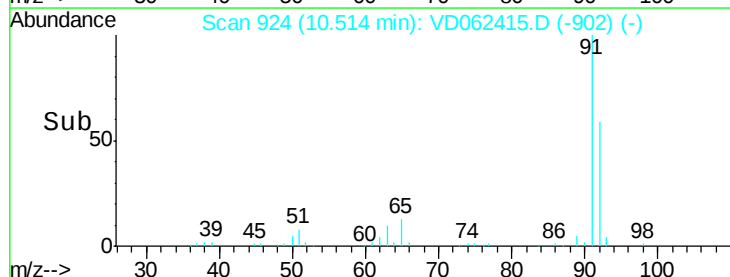
150000

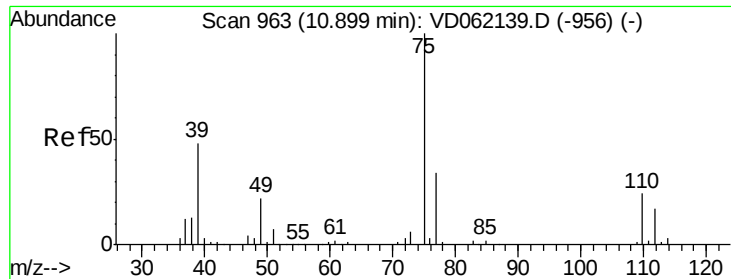
100000

50000

0

Time-->

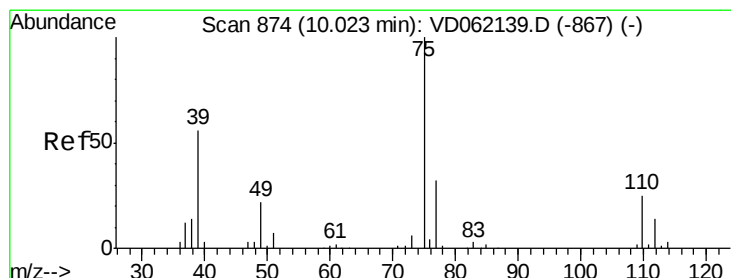
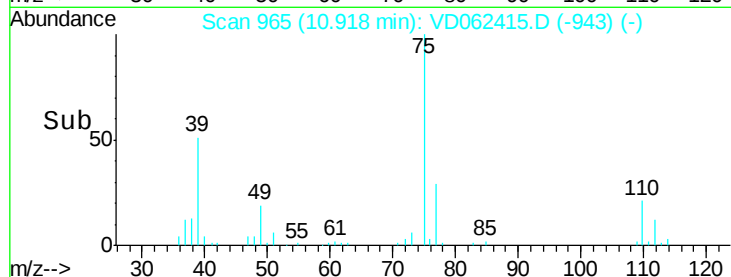
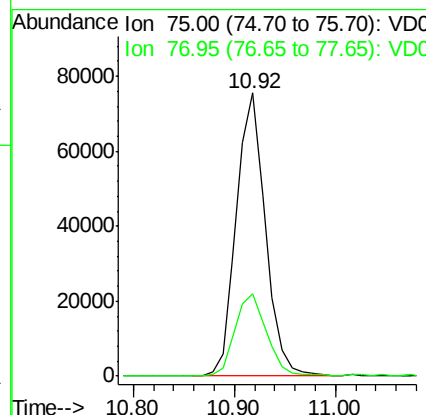
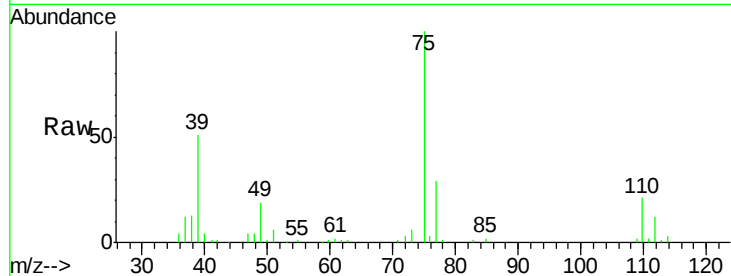




#53
 t-1,3-Dichloropropene
 Concen: 21.553 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

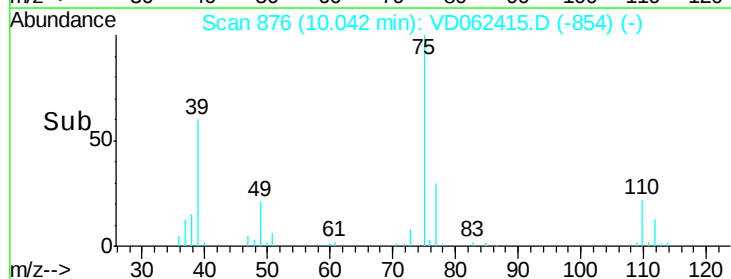
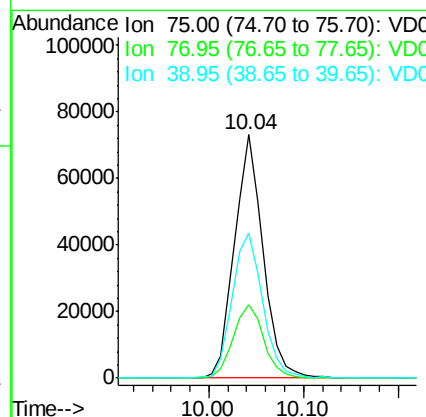
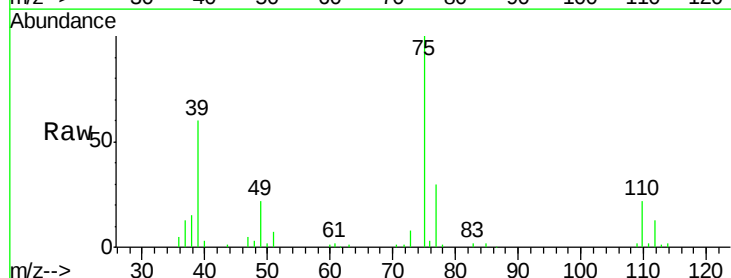
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

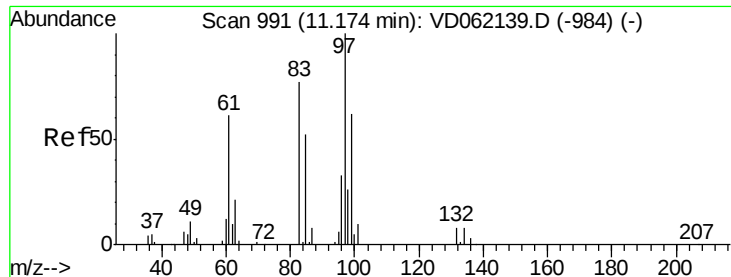
Tot Ion: 75 Resp: 151243
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.977 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion: 75 Resp: 152933
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.5 38.3
 39 59.6 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 20.560 ug/l

RT: 11.19 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBSD01

Tot Ion: 97 Resp: 78111

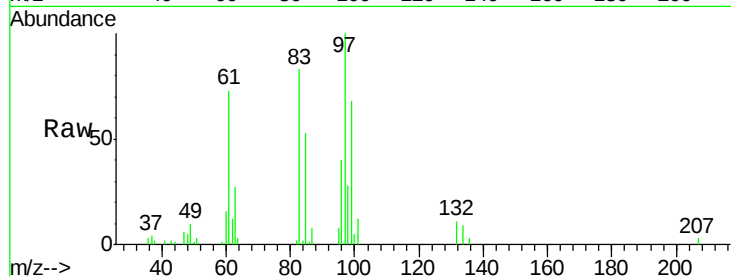
Ion Ratio Lower Upper

97 100

83 82.8 65.7 98.5

85 53.0 45.6 68.4

99 68.4 48.4 72.6

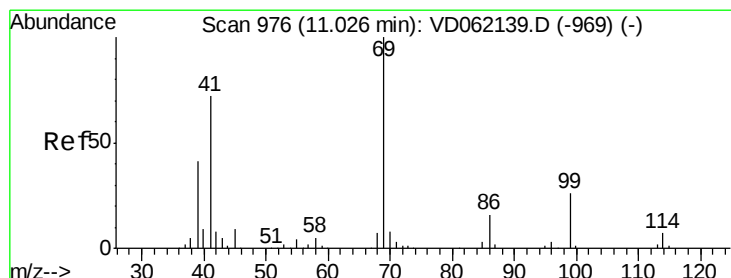
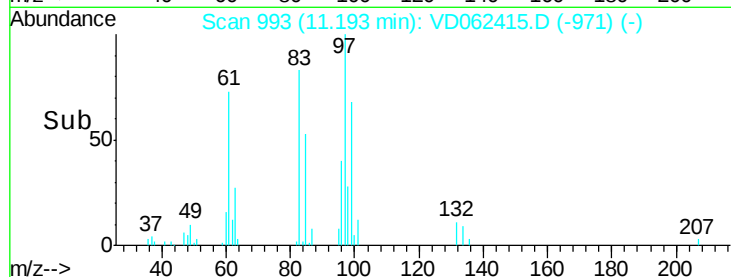
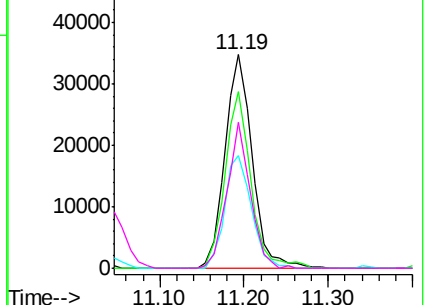


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.492 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

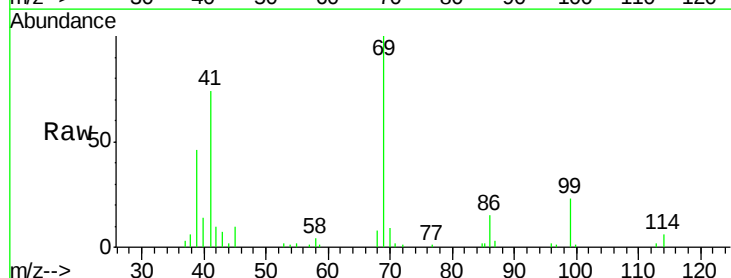
Tgt Ion: 69 Resp: 80897

Ion Ratio Lower Upper

69 100

41 74.4 56.3 84.5

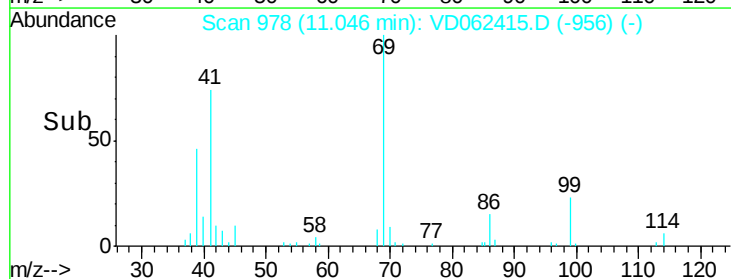
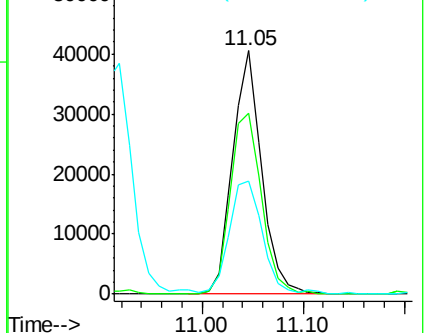
39 46.3 29.4 44.2#

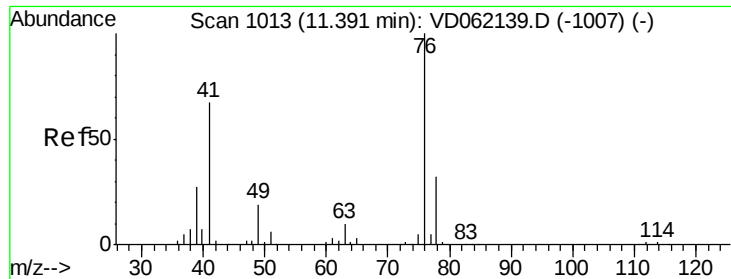


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

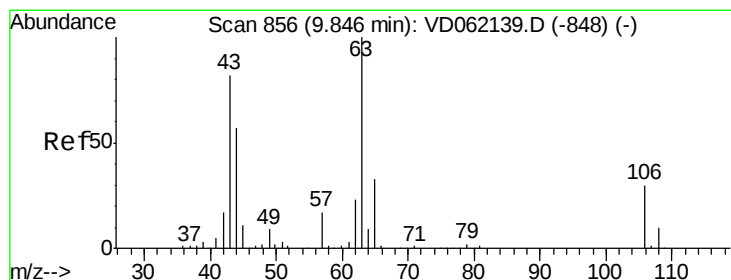
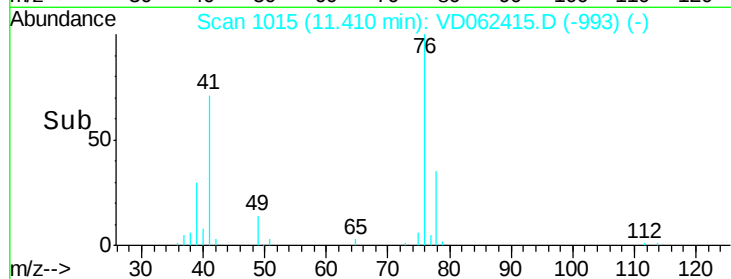
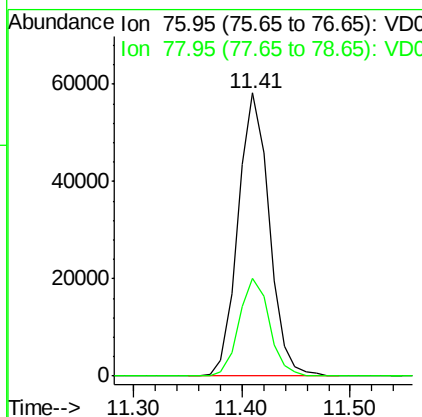
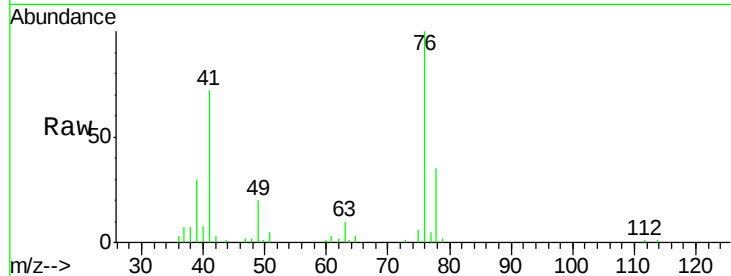




#57
 1,3-Dichloropropane
 Concen: 20.321 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

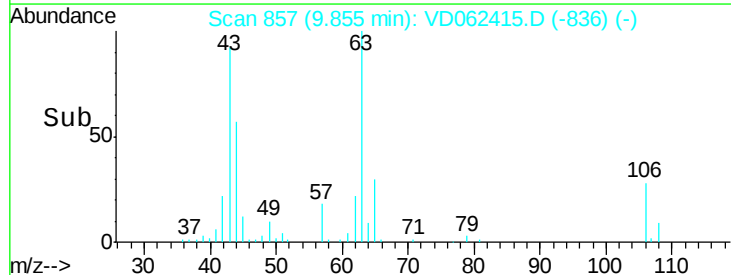
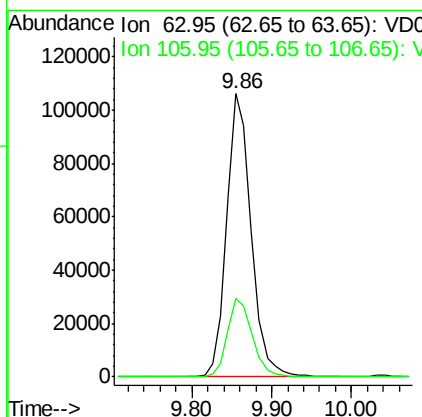
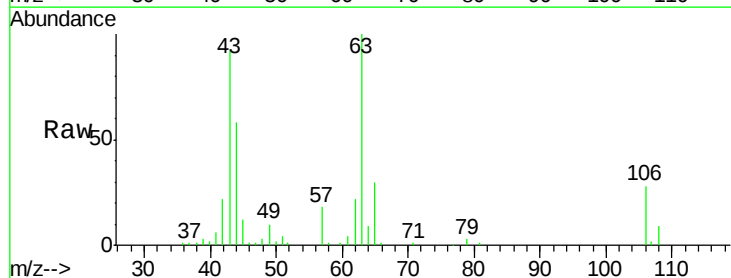
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

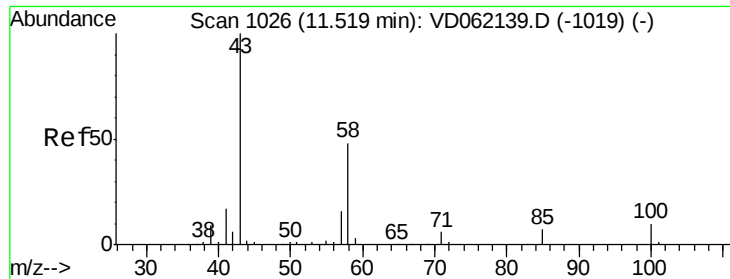
Tot Ion: 76 Resp: 116630
 Ion Ratio Lower Upper
 76 100
 78 34.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.460 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion: 63 Resp: 229574
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.6 34.0

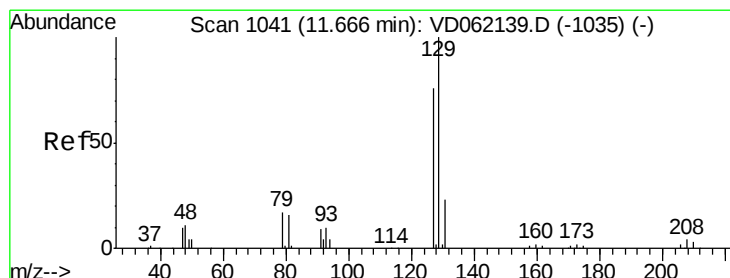
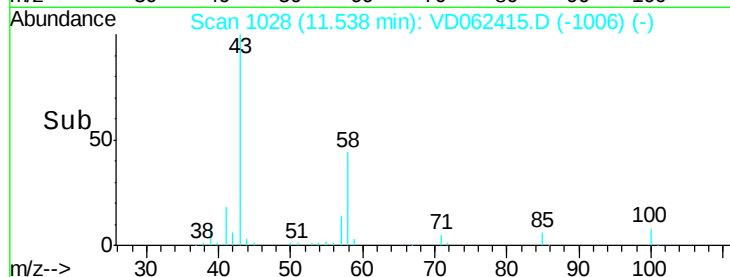
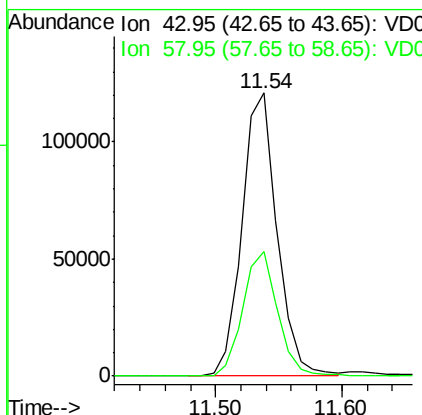
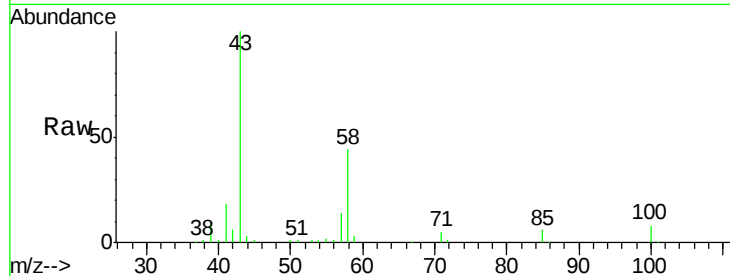




#59
2-Hexanone
Concen: 111.962 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

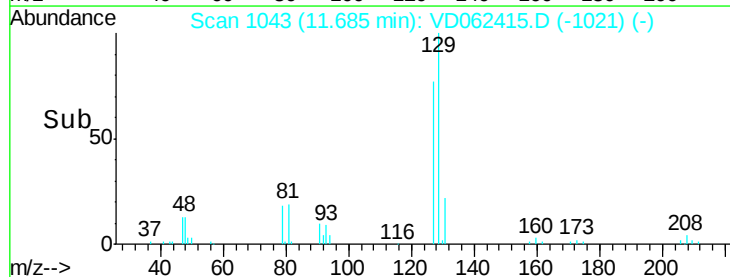
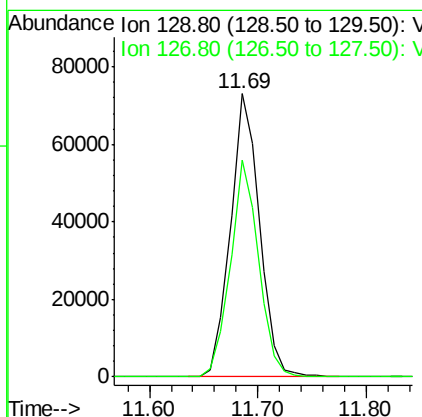
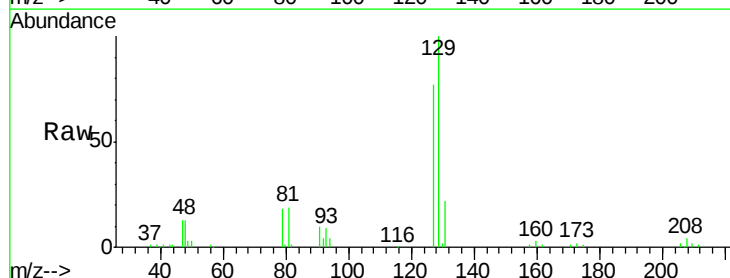
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

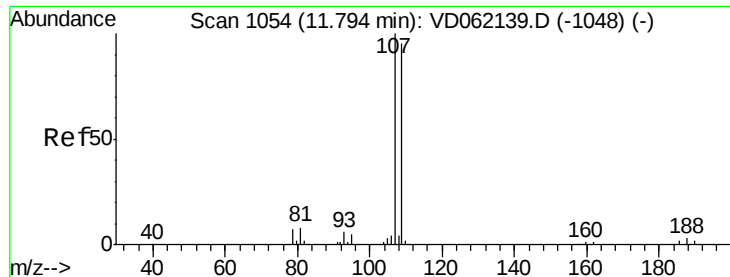
Tot Ion: 43 Resp: 233157
Ion Ratio Lower Upper
43 100
58 44.2 25.4 76.4



#60
Dibromochloromethane
Concen: 20.752 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 129 Resp: 136252
Ion Ratio Lower Upper
129 100
127 76.6 38.0 113.9

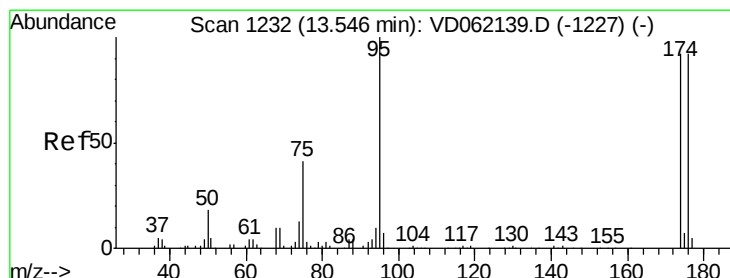
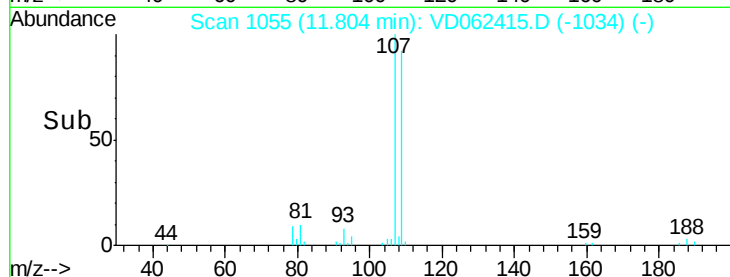
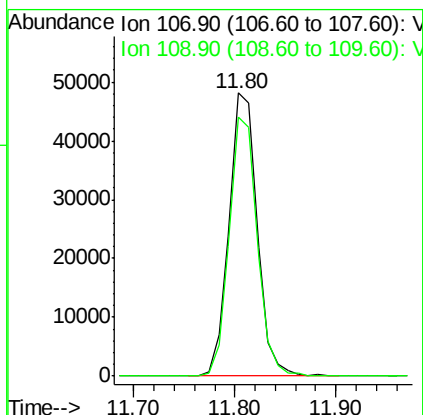
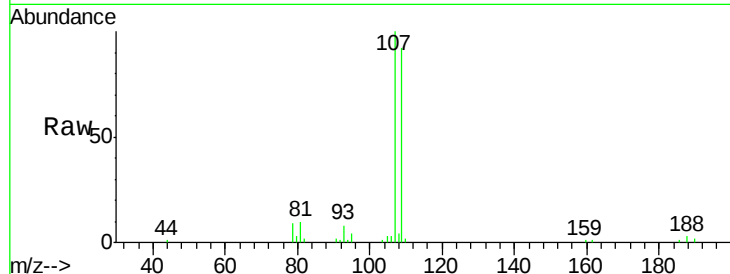




#61
 1,2-Dibromoethane
 Concen: 20.183 ug/l
 RT: 11.80 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

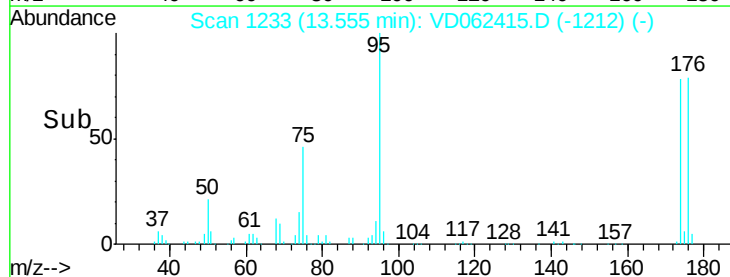
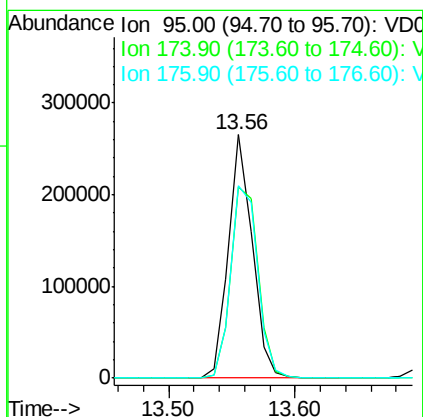
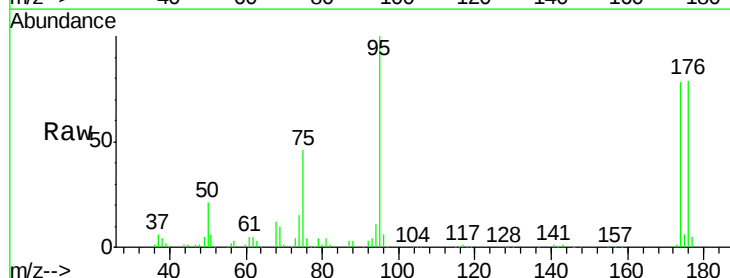
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

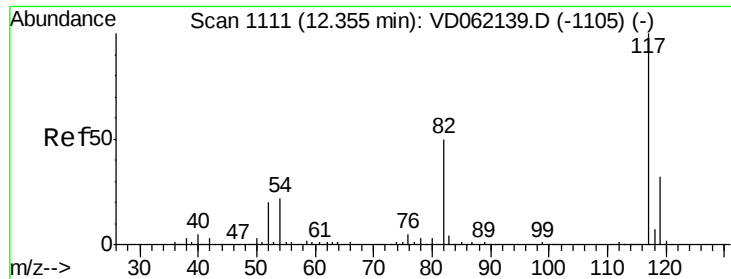
Tot Ion:107 Resp: 93220
 Ion Ratio Lower Upper
 107 100
 109 91.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 48.448 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion: 95 Resp: 346902
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 181.8
 176 79.1 0.0 174.4

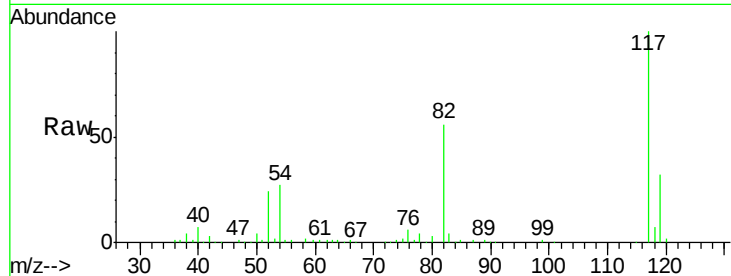




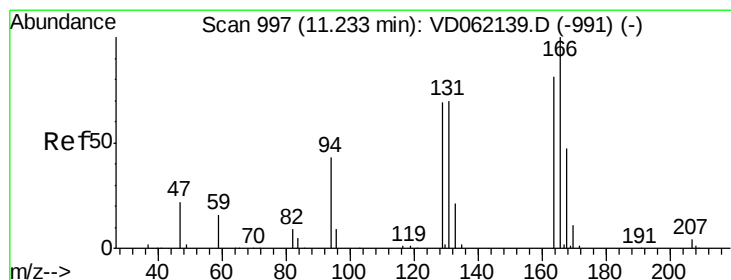
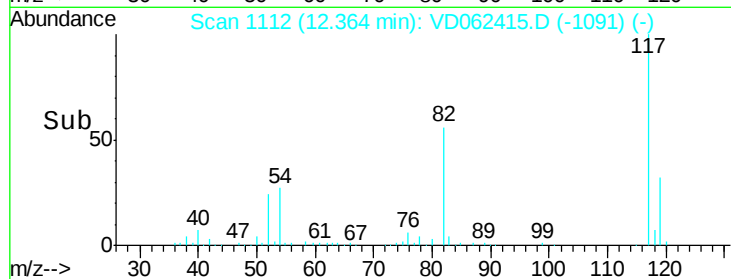
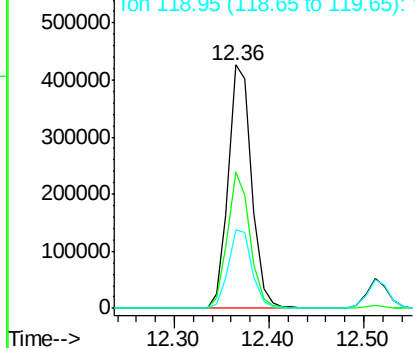
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

Tot Ion:117 Resp: 731602
Ion Ratio Lower Upper
117 100
82 55.7 36.2 54.2#
119 32.1 26.2 39.4

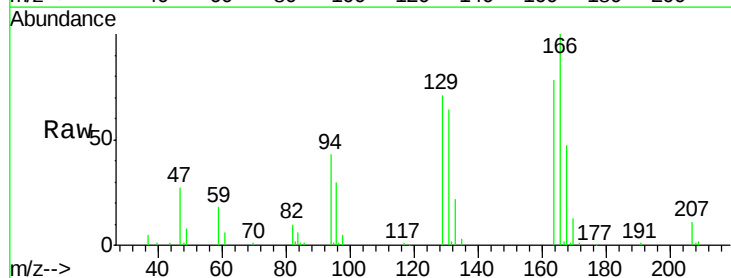


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

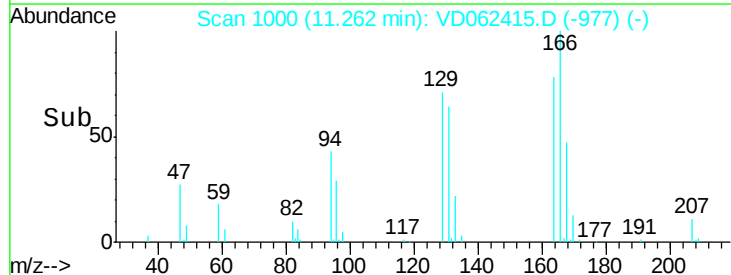
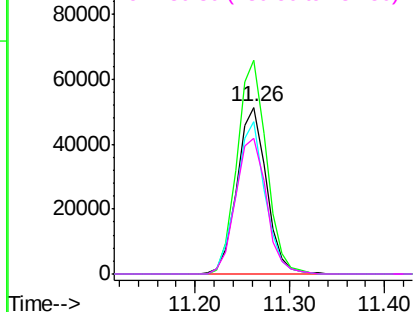


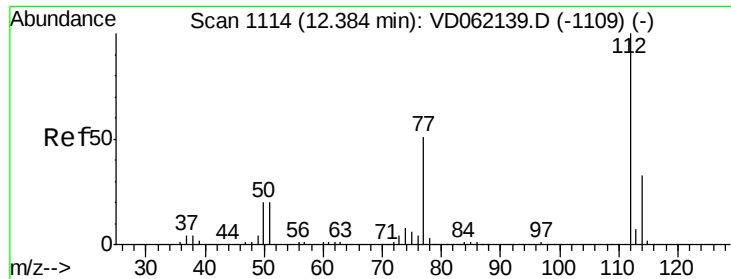
#64
Tetrachloroethene
Concen: 19.408 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion:164 Resp: 111031
Ion Ratio Lower Upper
164 100
166 128.3 101.5 152.3
129 91.2 74.6 112.0
131 81.7 72.6 108.8



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

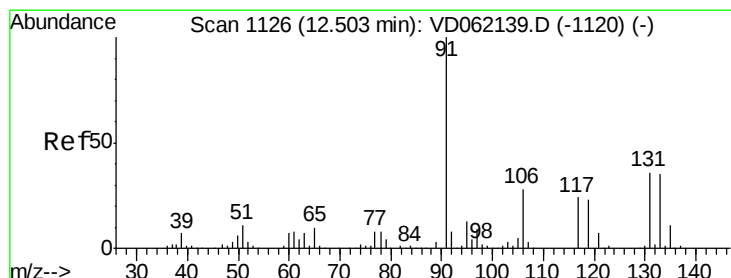
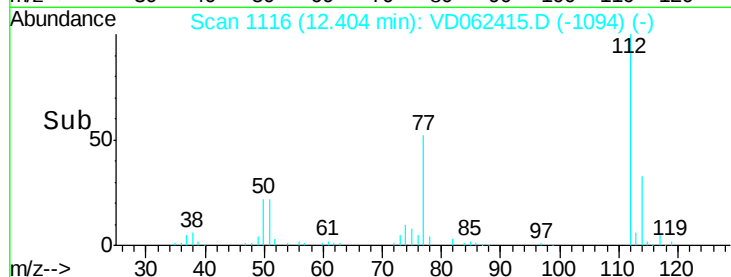
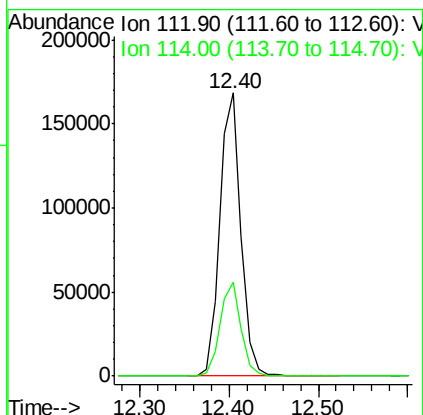
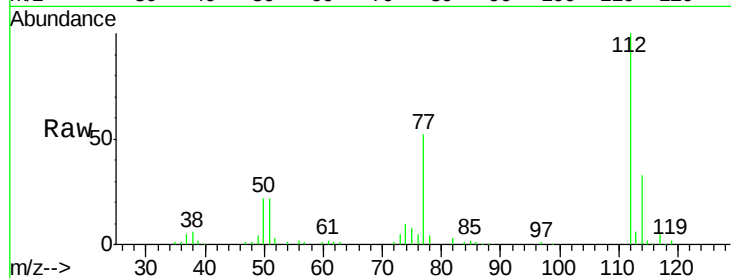




#65
Chlorobenzene
Concen: 20.441 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

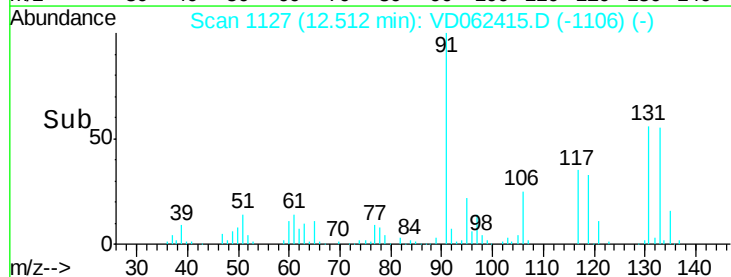
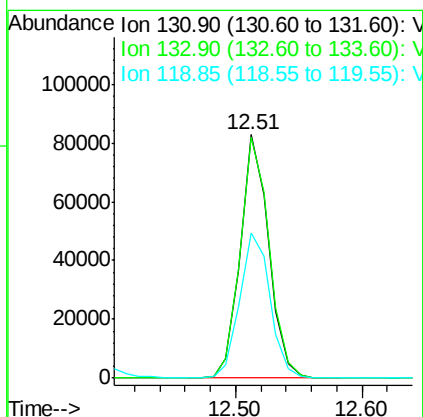
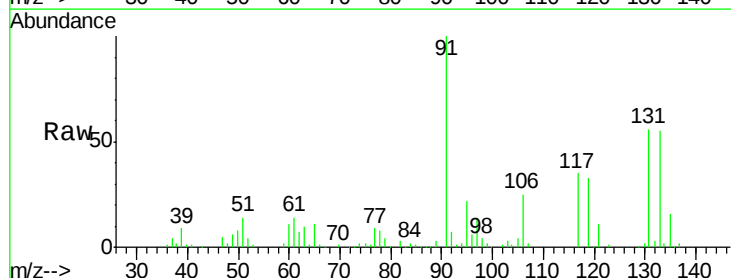
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

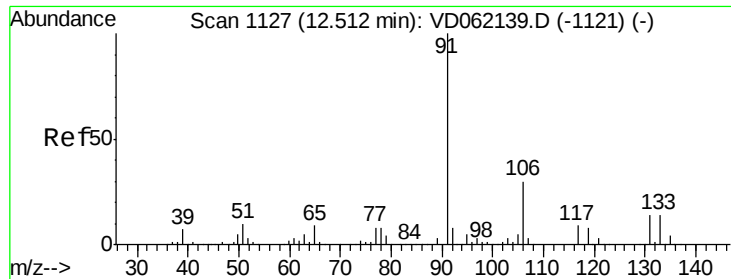
Tot Ion:112 Resp: 278537
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.705 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion:131 Resp: 128716
Ion Ratio Lower Upper
131 100
133 99.0 48.6 145.8
119 59.7 34.7 104.1

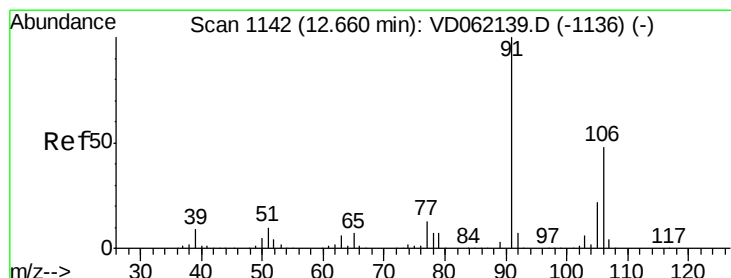
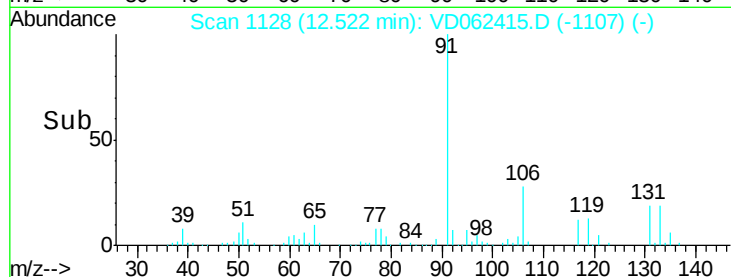
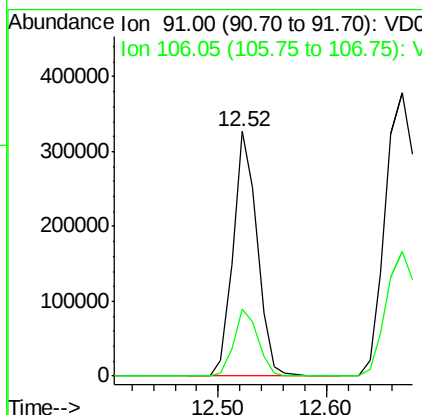
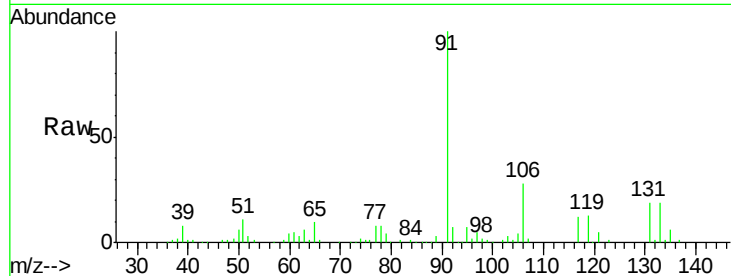




#67
Ethyl Benzene
Concen: 22.133 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

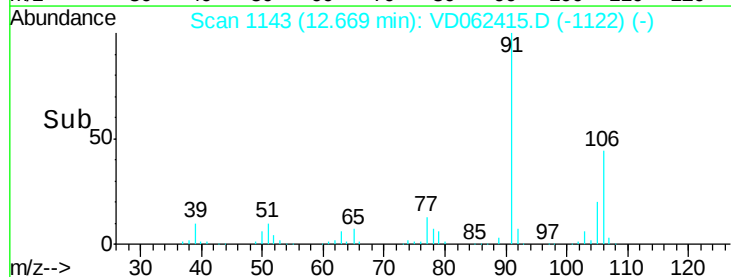
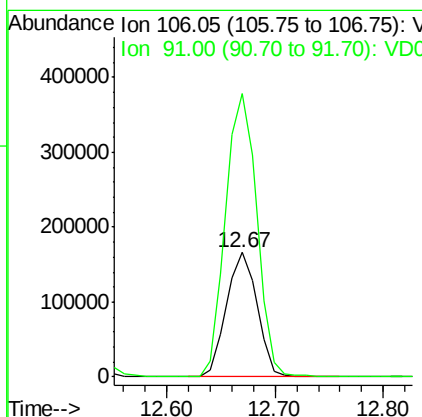
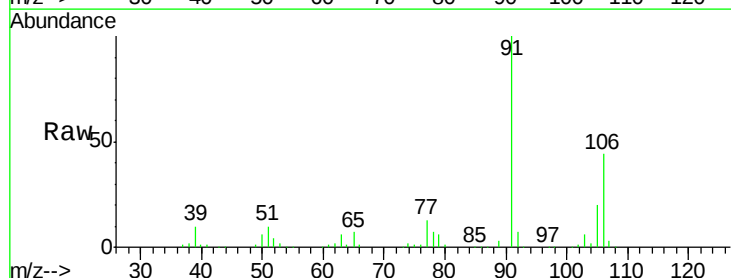
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

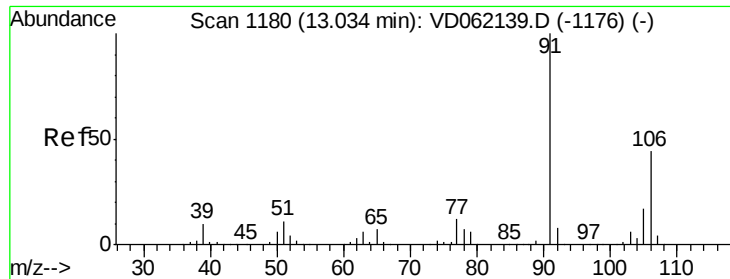
Tot Ion: 91 Resp: 504898
Ion Ratio Lower Upper
91 100
106 27.5 24.7 37.1



#68
m/p-Xylenes
Concen: 39.512 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 106 Resp: 327940
Ion Ratio Lower Upper
106 100
91 227.2 164.0 246.0

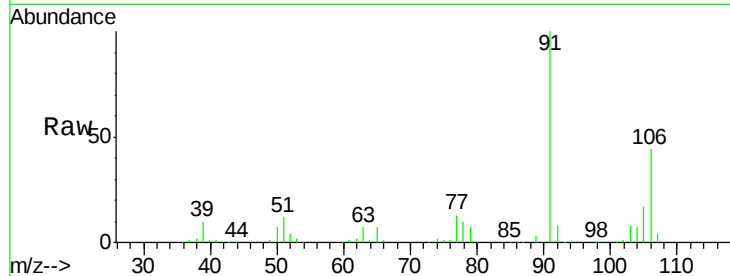




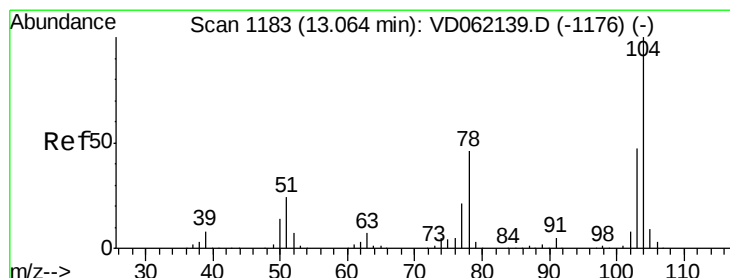
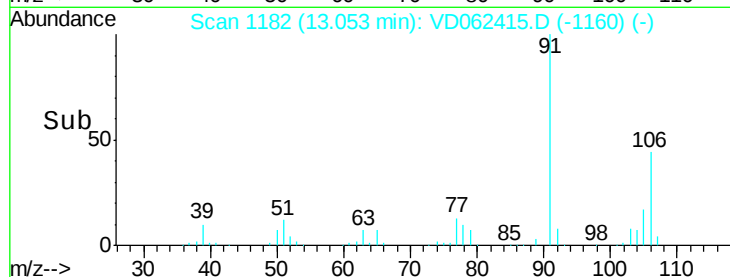
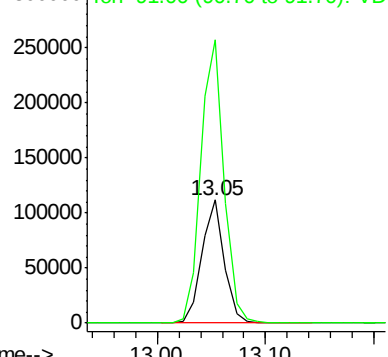
#69
o-Xylene
Concen: 20.788 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

Tot Ion:106 Resp: 160405
Ion Ratio Lower Upper
106 100
91 229.6 106.7 319.9

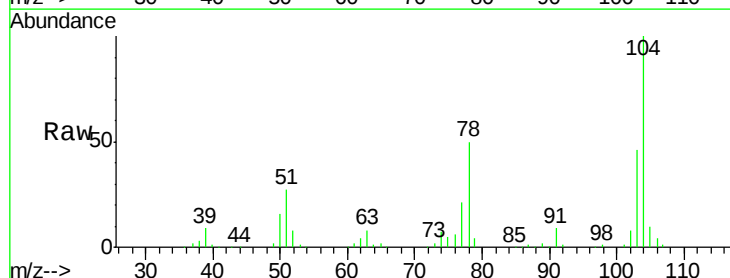


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

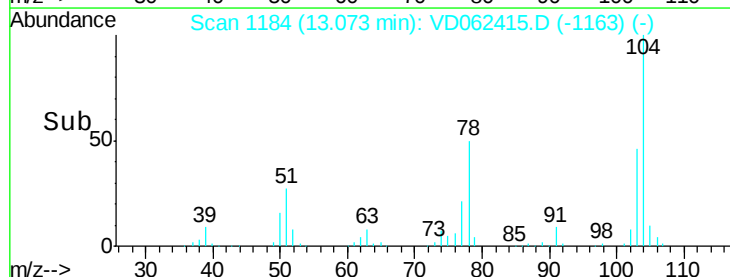
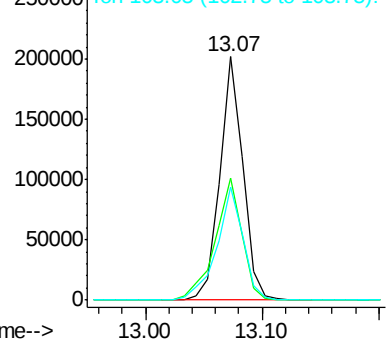


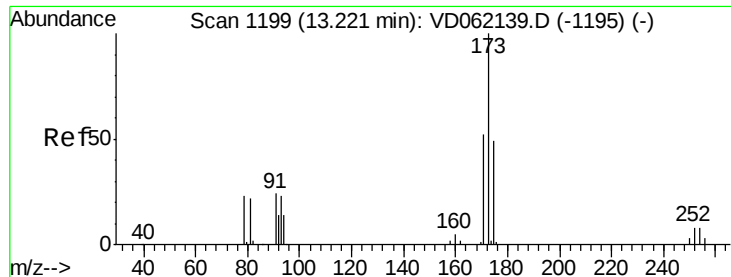
#70
Styrene
Concen: 21.193 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion:104 Resp: 277024
Ion Ratio Lower Upper
104 100
78 50.3 35.4 53.2
103 46.4 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

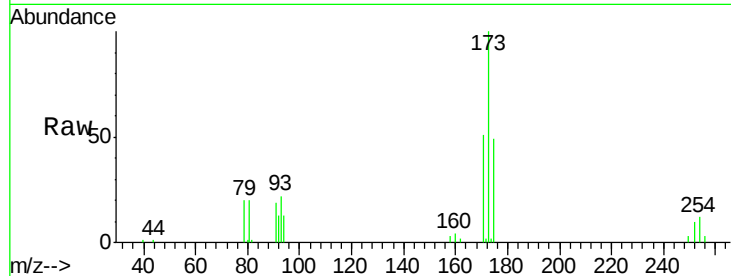




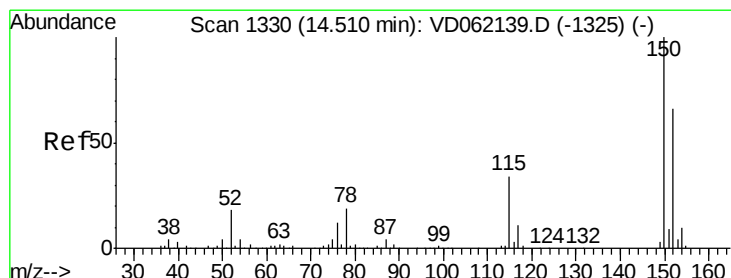
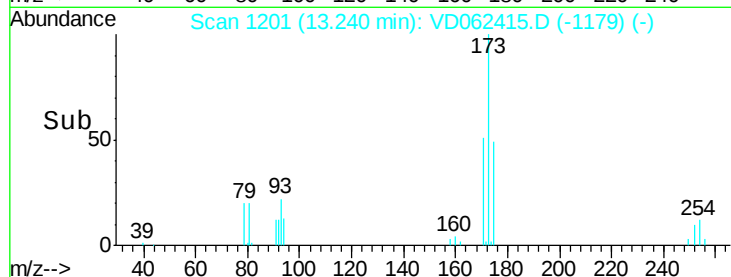
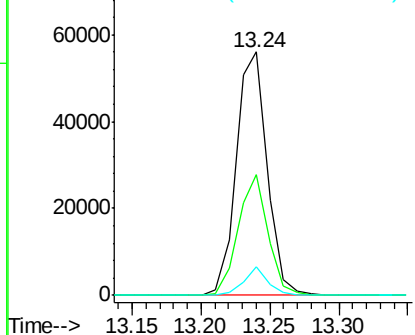
#71
Bromoform
Concen: 21.197 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

Tot Ion:173 Resp: 87458
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.4
254 11.6 5.4 8.2#

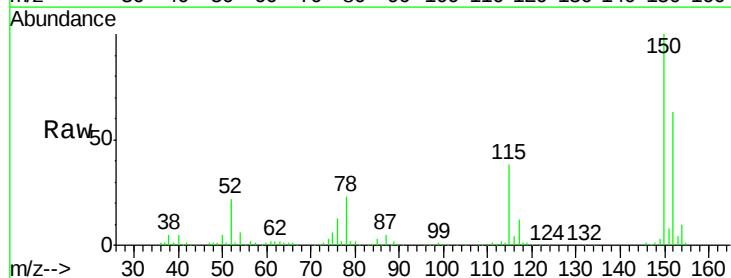


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

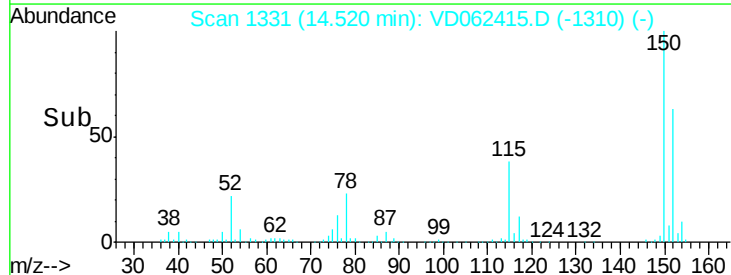
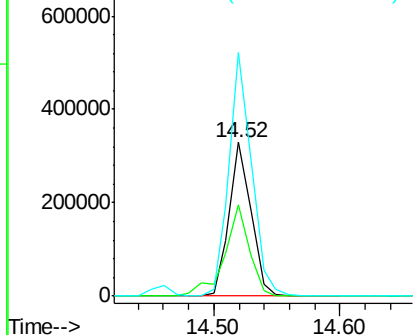


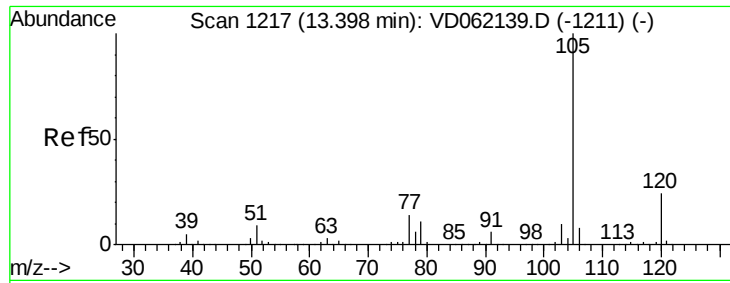
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion:152 Resp: 395823
Ion Ratio Lower Upper
152 100
115 59.7 30.9 92.7
150 158.3 0.0 314.8



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: 20.011 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

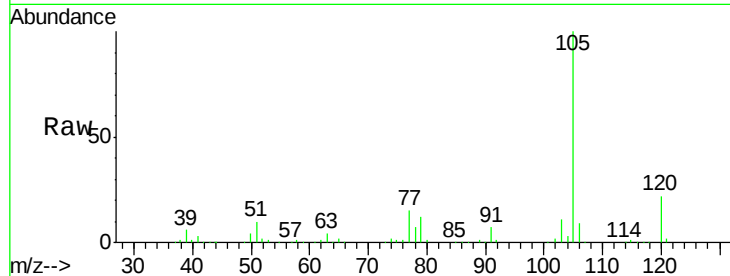
VD0516SBS01

Tot Ion:105 Resp: 474806

Ion Ratio Lower Upper

105 100

120 21.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

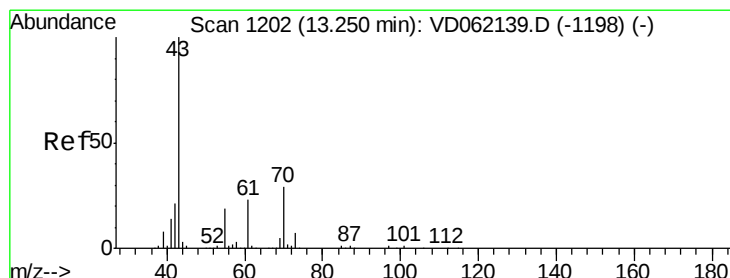
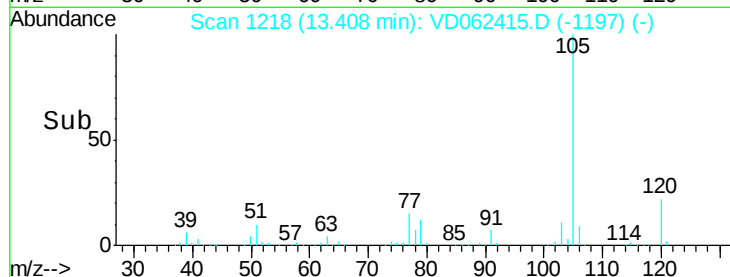
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.540 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Tgt Ion: 43 Resp: 121551

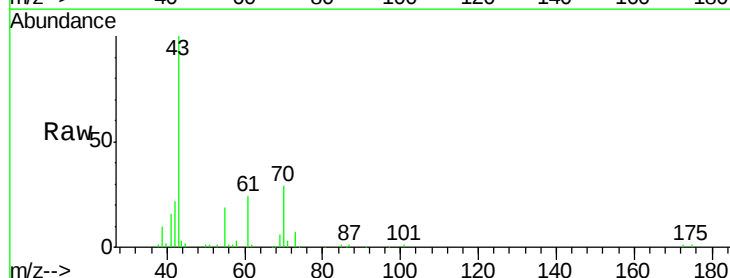
Ion Ratio Lower Upper

43 100

70 28.8 24.2 36.4

55 18.8 16.0 24.0

61 23.6 21.6 32.4



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

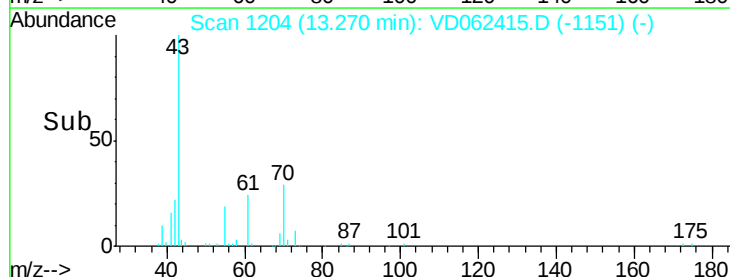
150000

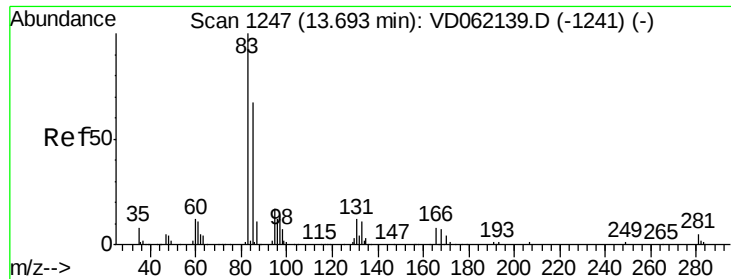
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.942 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

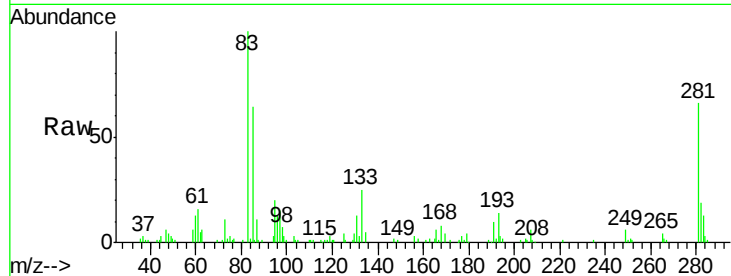
Tot Ion: 83 Resp: 89574

Ion Ratio Lower Upper

83 100

131 12.7 5.0 14.9

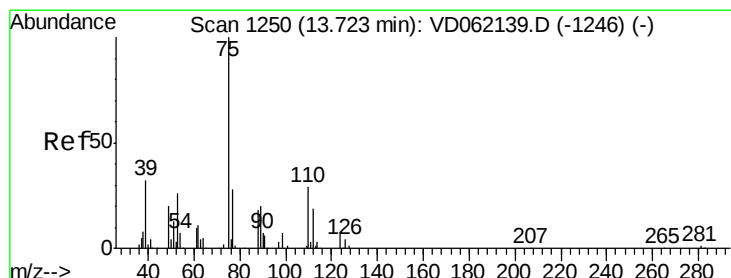
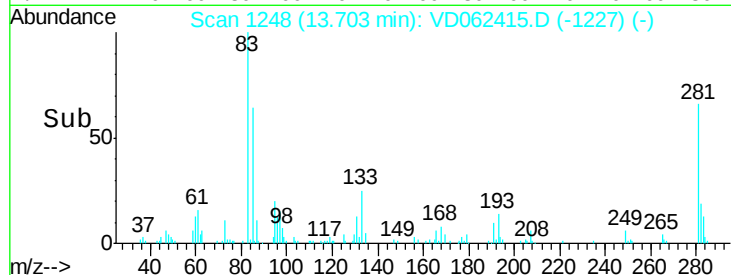
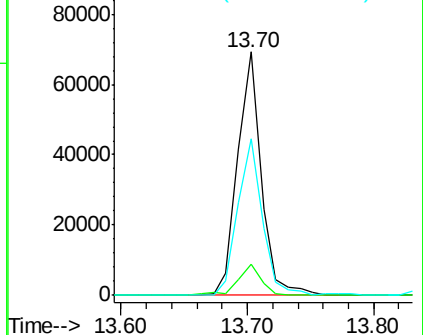
85 64.3 32.6 97.7



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: 20.597 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062415.D

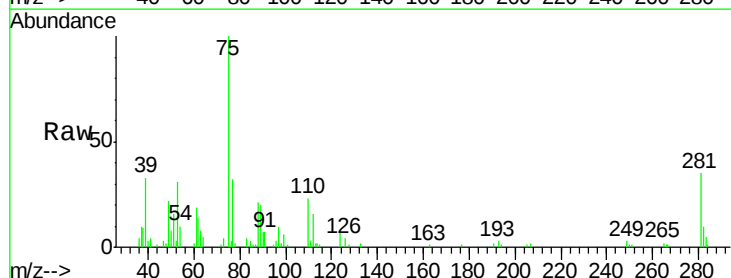
Acq: 16 May 2019 14:08

Tgt Ion: 75 Resp: 96889

Ion Ratio Lower Upper

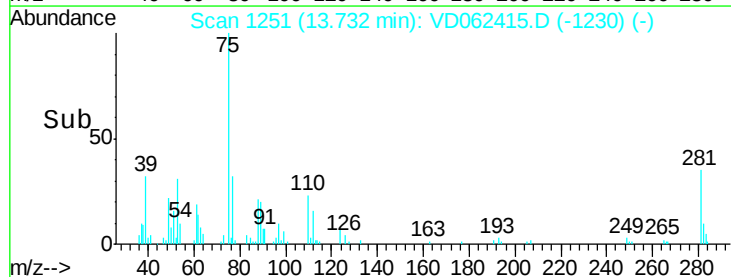
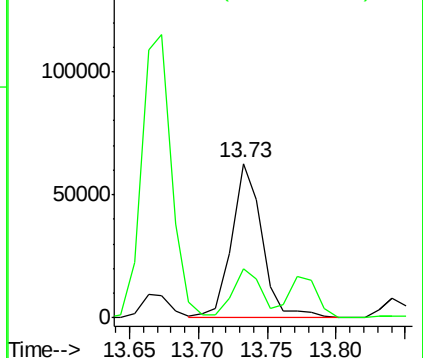
75 100

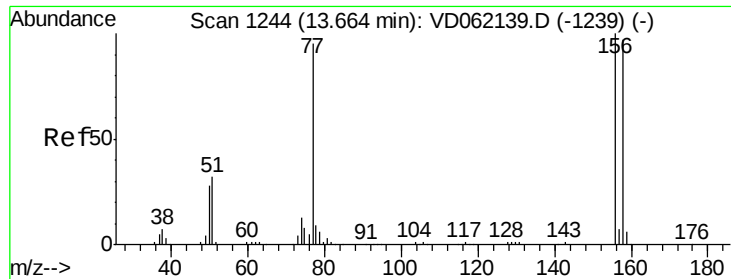
77 31.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.136 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBSD01

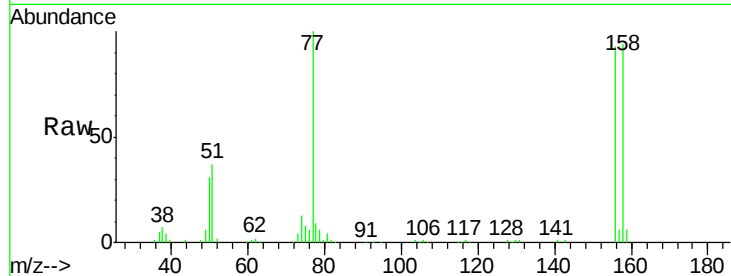
Tot Ion:156 Resp: 140388

Ion Ratio Lower Upper

156 100

77 108.1 53.1 159.4

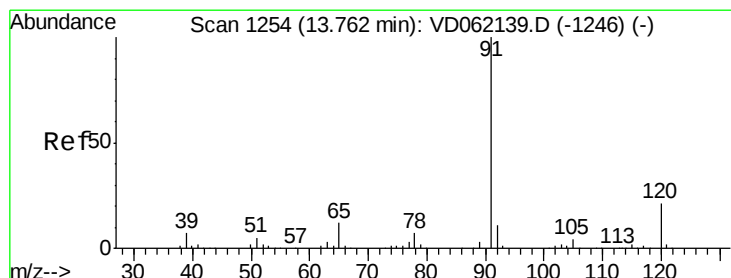
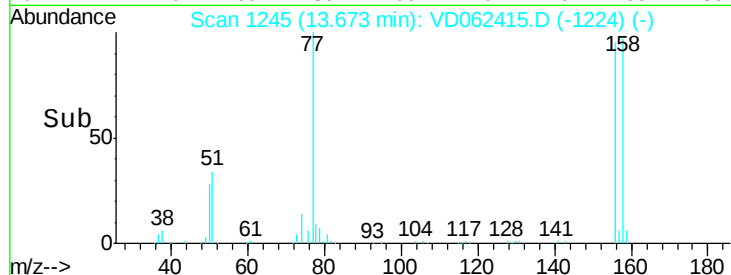
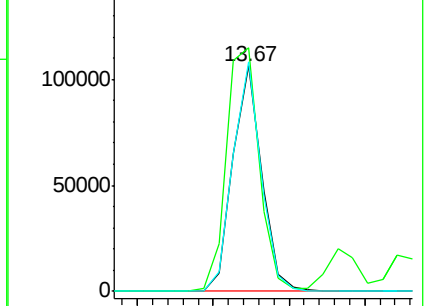
158 102.1 49.4 148.0



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: 20.439 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062415.D

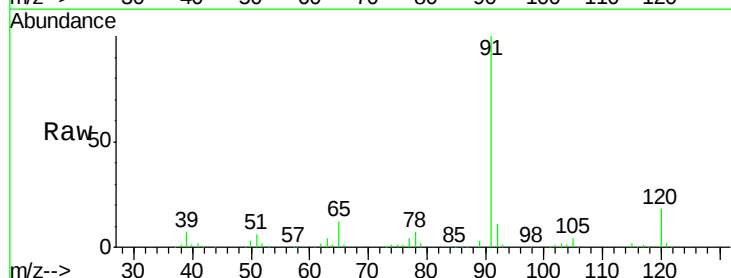
Acq: 16 May 2019 14:08

Tgt Ion: 91 Resp: 578485

Ion Ratio Lower Upper

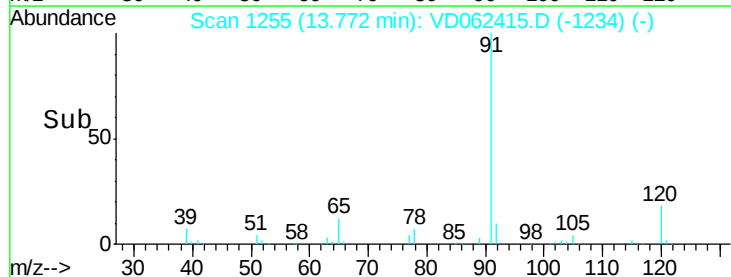
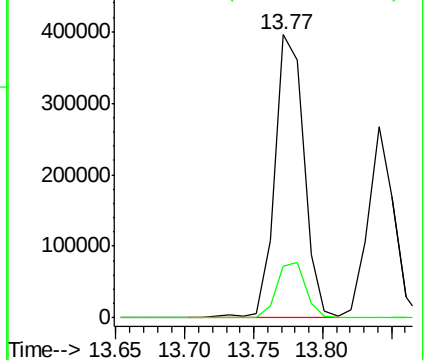
91 100

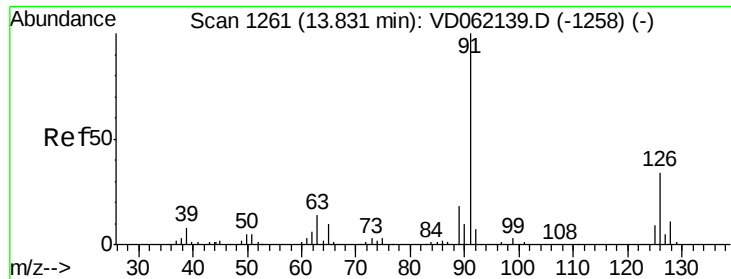
120 18.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.268 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

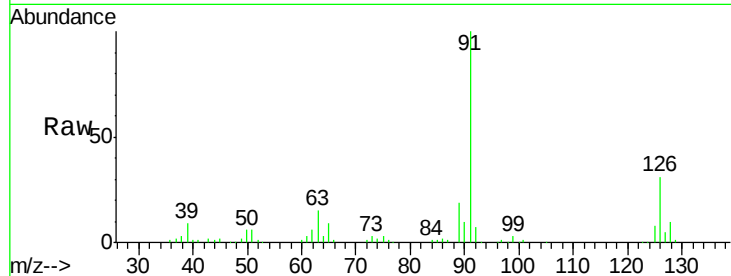
VD0516SBSD01

Tot Ion: 91 Resp: 344755

Ion Ratio Lower Upper

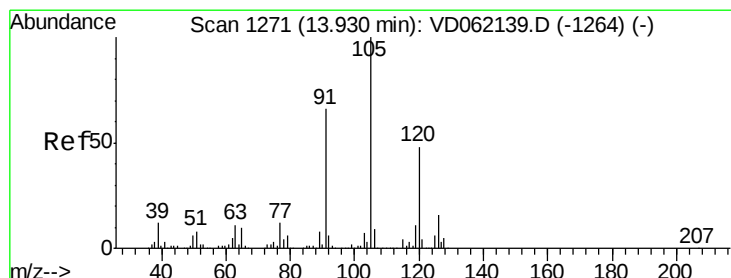
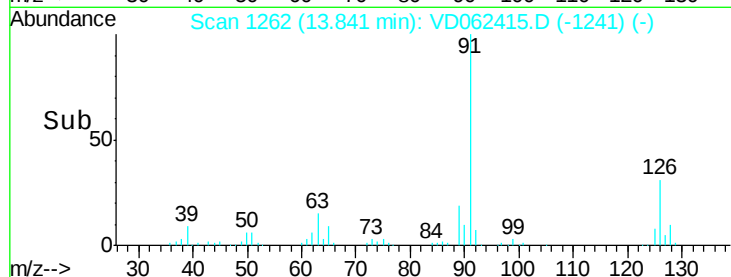
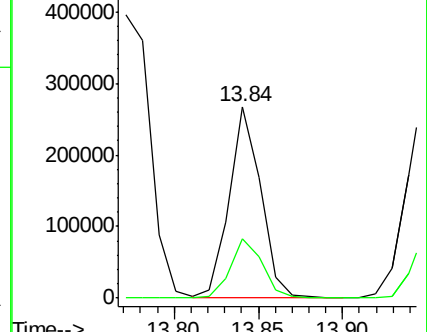
91 100

126 30.8 18.6 55.8



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: 21.047 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062415.D

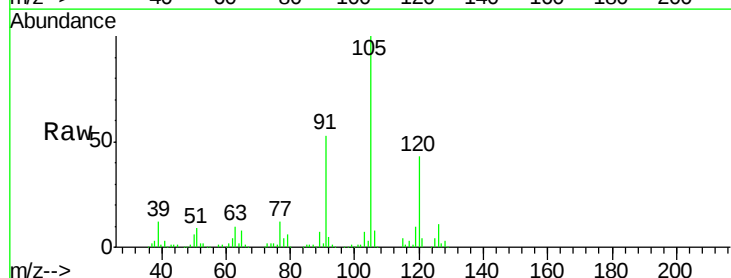
Acq: 16 May 2019 14:08

Tgt Ion:105 Resp: 420522

Ion Ratio Lower Upper

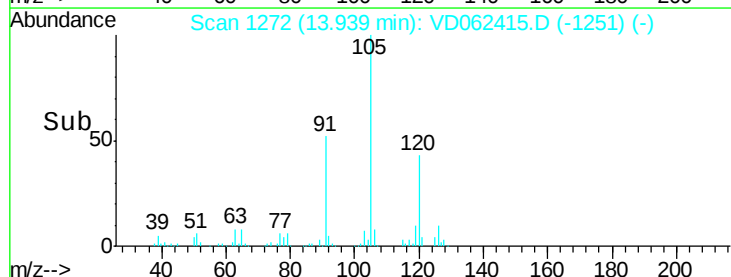
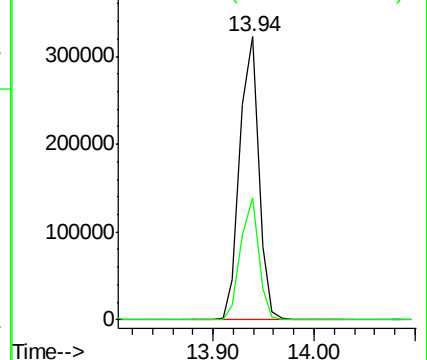
105 100

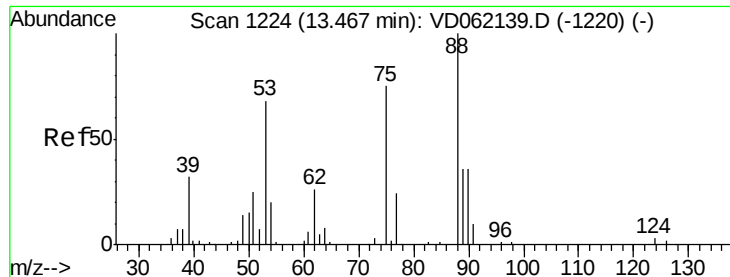
120 43.1 24.0 72.0



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: 16.649 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBS01

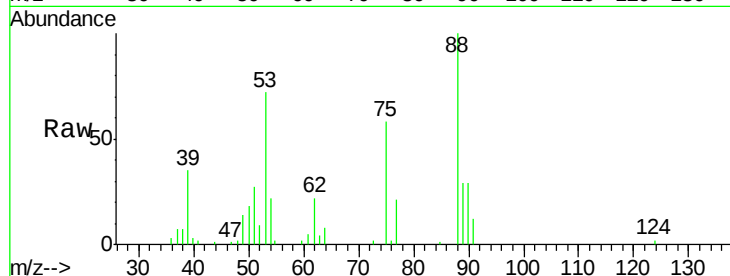
Tot Ion: 75 Resp: 22109

Ion Ratio Lower Upper

75 100

53 124.8 65.8 98.8#

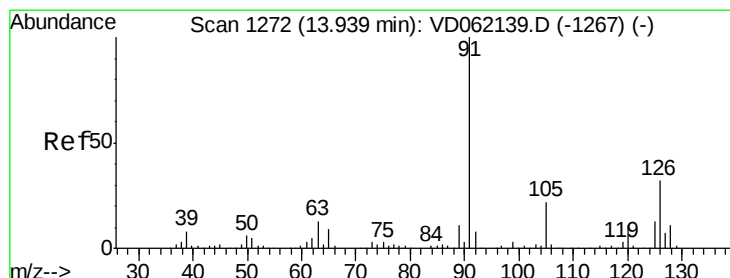
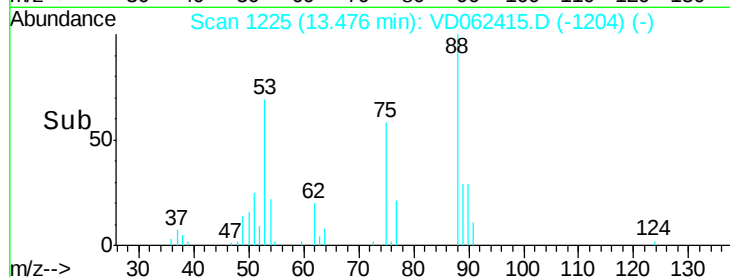
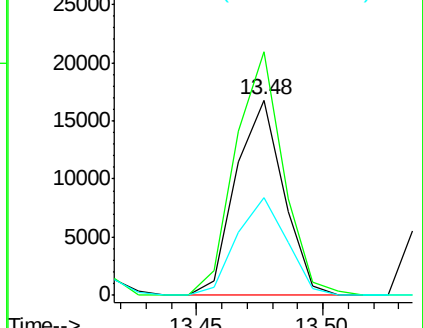
89 50.1 35.0 52.6



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: 21.518 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062415.D

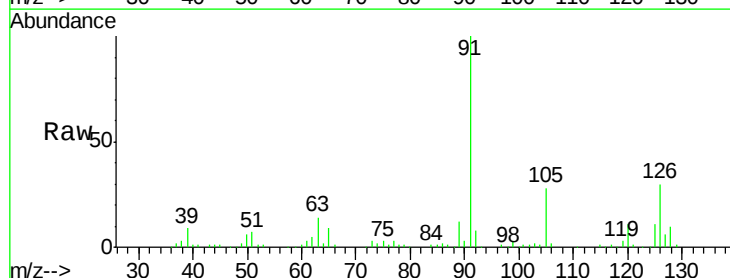
Acq: 16 May 2019 14:08

Tgt Ion: 91 Resp: 410463

Ion Ratio Lower Upper

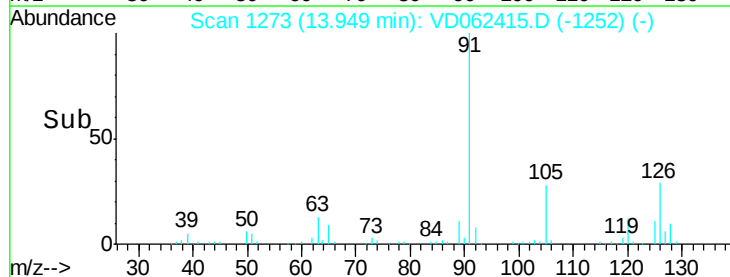
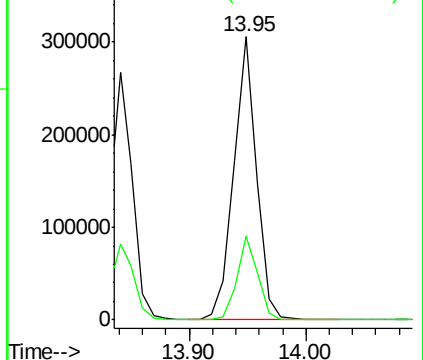
91 100

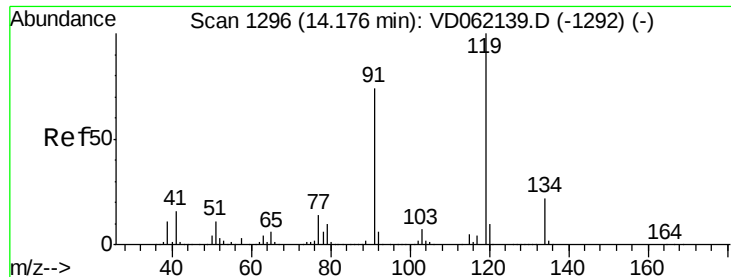
126 29.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

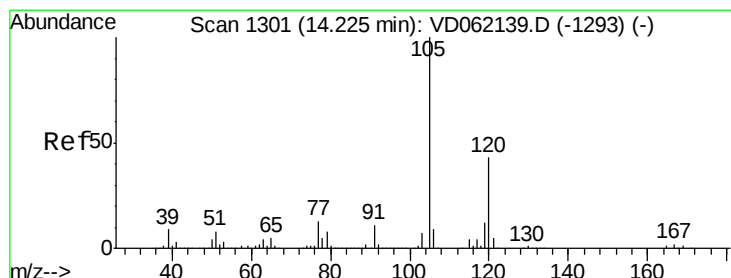
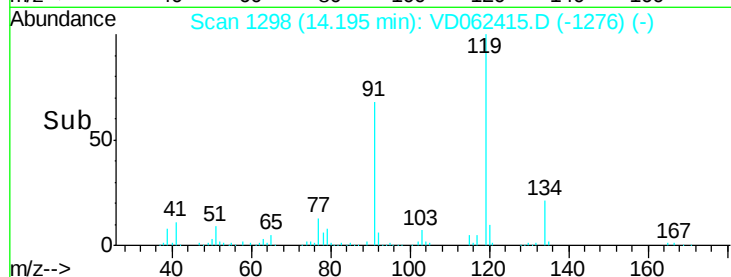
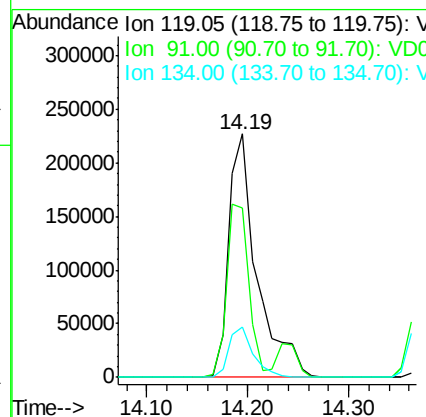
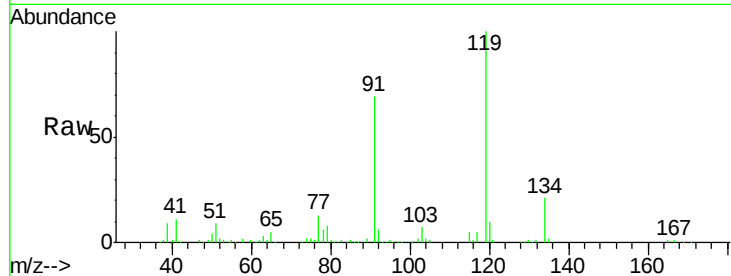




#83
tert-Butylbenzene
Concen: 19.580 ug/l
RT: 14.19 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

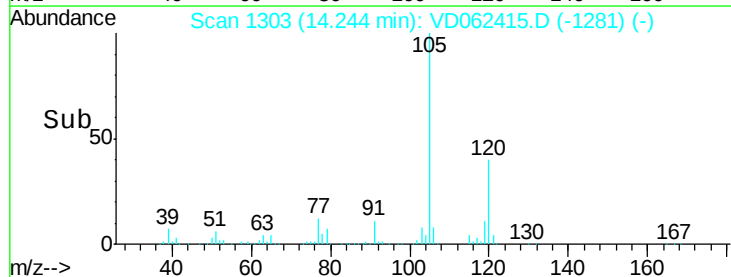
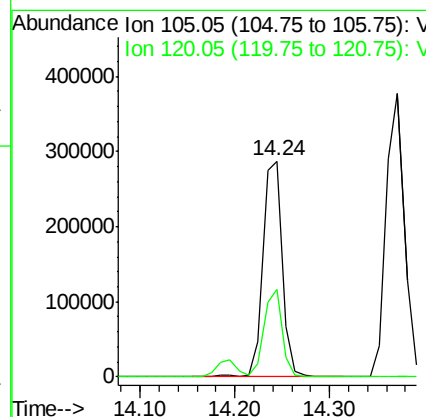
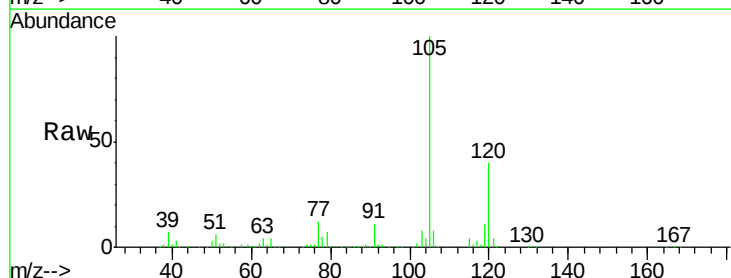
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

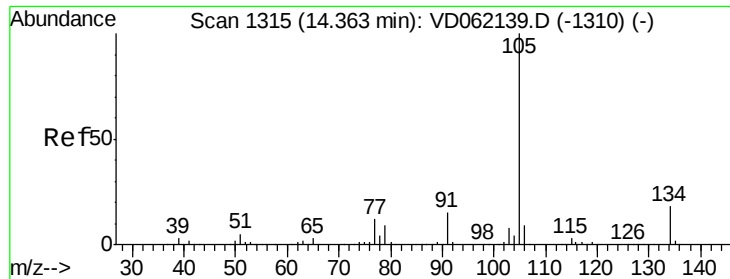
Tot Ion:119 Resp: 439706
Ion Ratio Lower Upper
119 100
91 69.5 34.2 102.6
134 20.8 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 20.435 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion:105 Resp: 409714
Ion Ratio Lower Upper
105 100
120 40.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.684 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

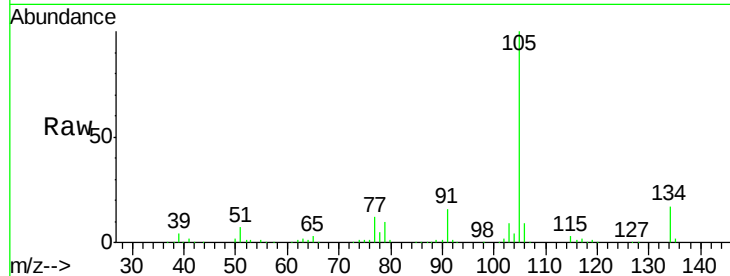
VD0516SBSD01

Tot Ion:105 Resp: 509292

Ion Ratio Lower Upper

105 100

134 17.1 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

400000

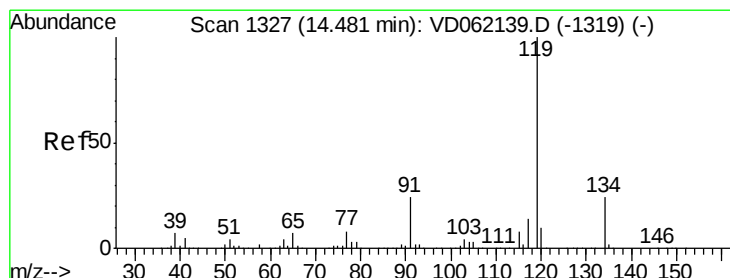
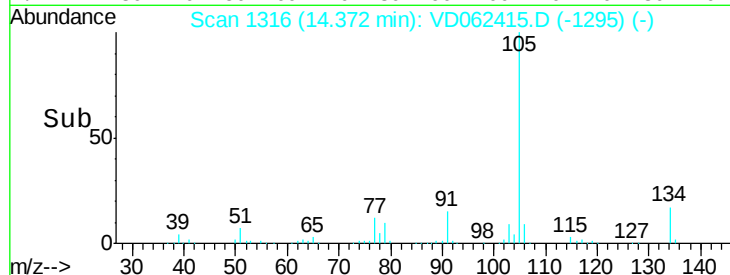
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.609 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062415.D

Acq: 16 May 2019 14:08

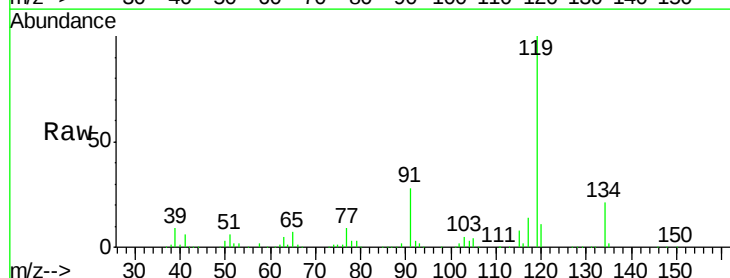
Tgt Ion:119 Resp: 431360

Ion Ratio Lower Upper

119 100

134 20.6 12.8 38.3

91 28.2 10.7 32.1



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

14.49

400000

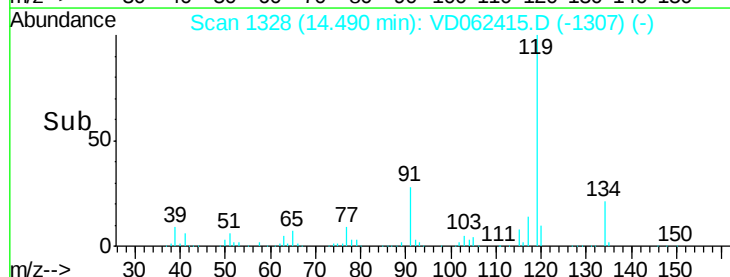
300000

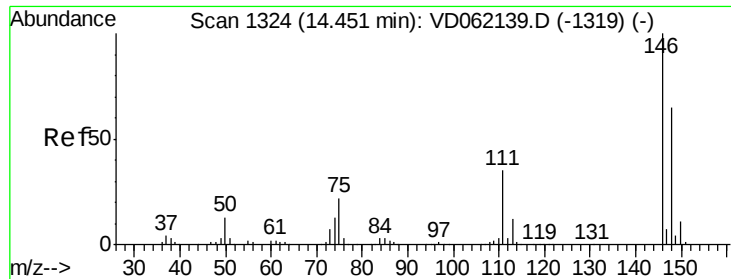
200000

100000

0

Time-->

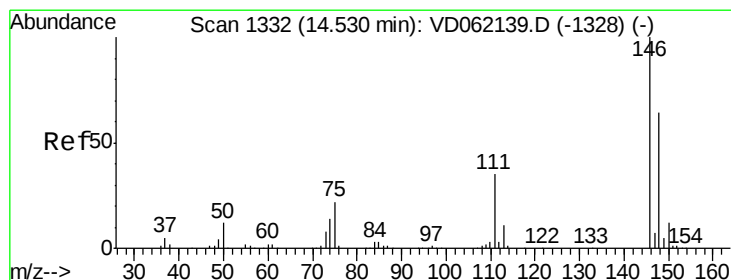
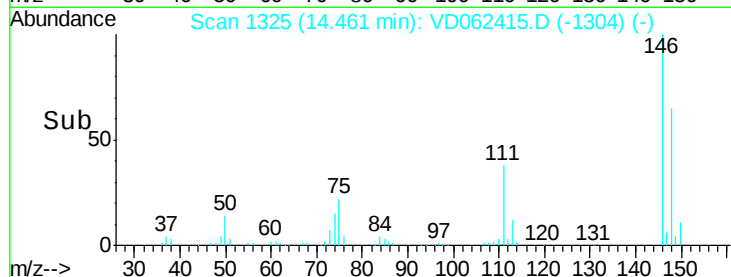
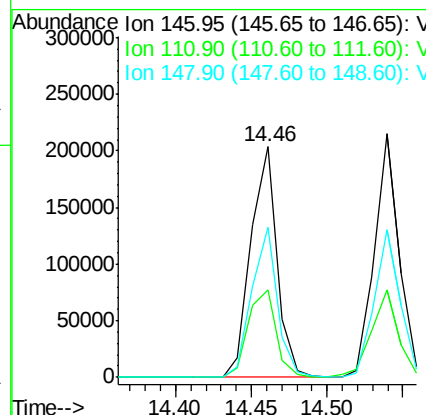
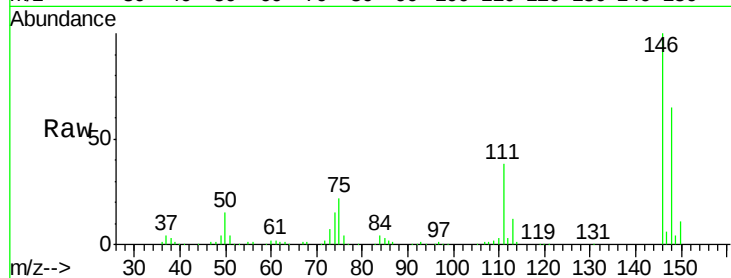




#87
 1,3-Dichlorobenzene
 Concen: 20.280 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

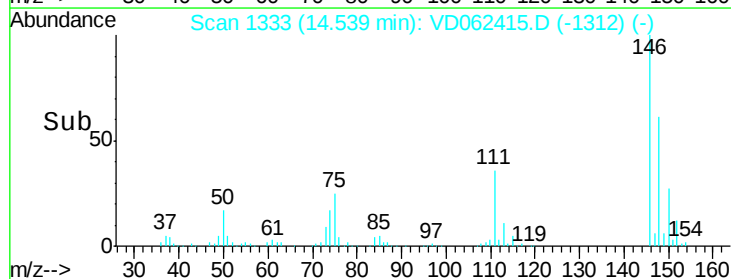
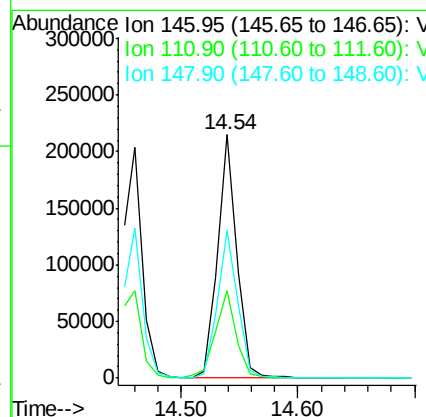
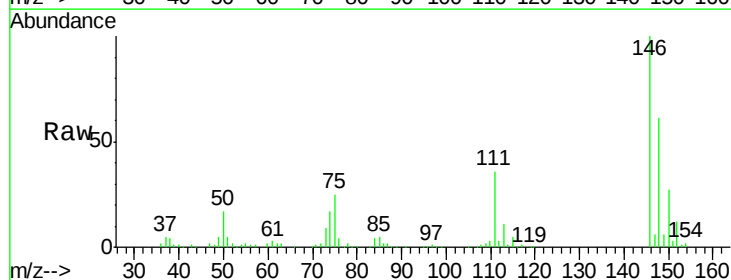
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

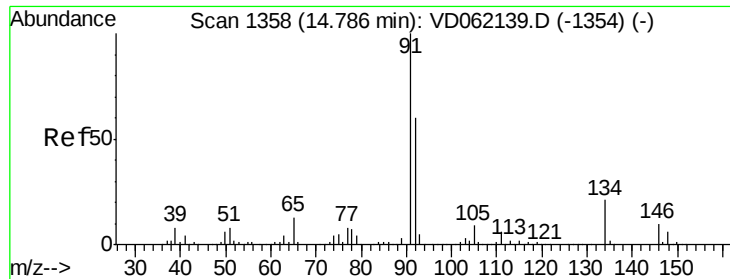
Tot Ion:146 Resp: 246069
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.0 60.0
 148 65.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.725 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion:146 Resp: 247077
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.2 60.5
 148 60.5 32.0 96.2

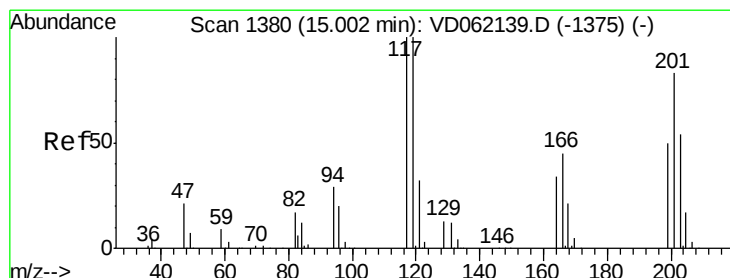
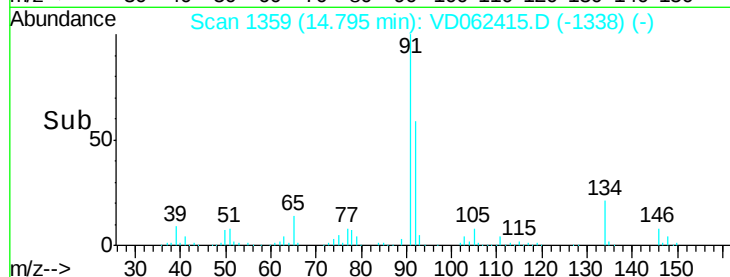
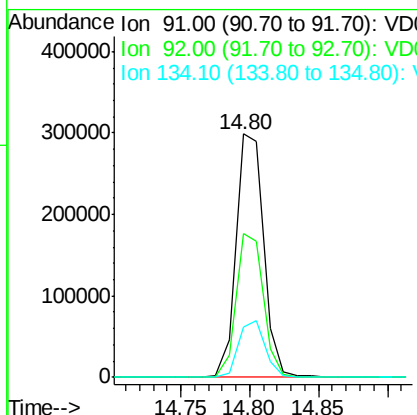
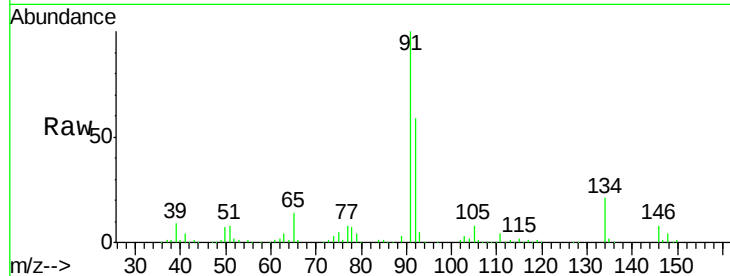




#89
n-Butylbenzene
Concen: 21.139 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

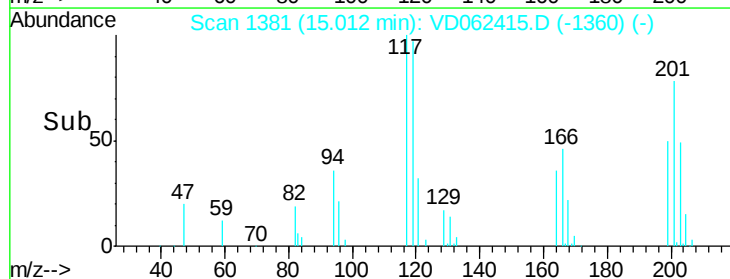
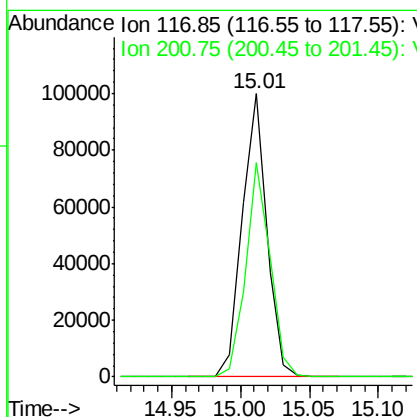
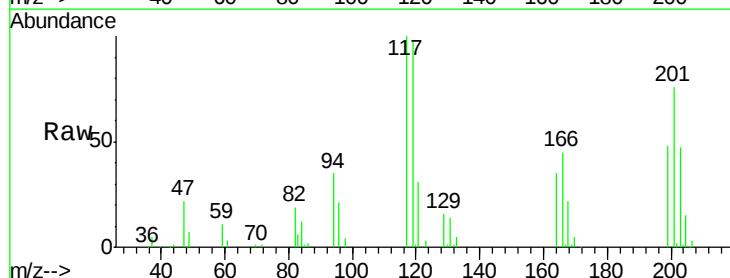
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBS01

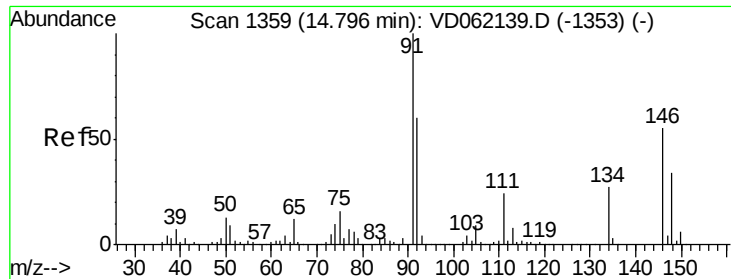
Tot Ion: 91 Resp: 417392
Ion Ratio Lower Upper
91 100
92 58.8 30.3 91.0
134 20.8 14.5 43.6



#90
Hexachloroethane
Concen: 20.917 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion: 117 Resp: 125134
Ion Ratio Lower Upper
117 100
201 75.7 30.2 90.6

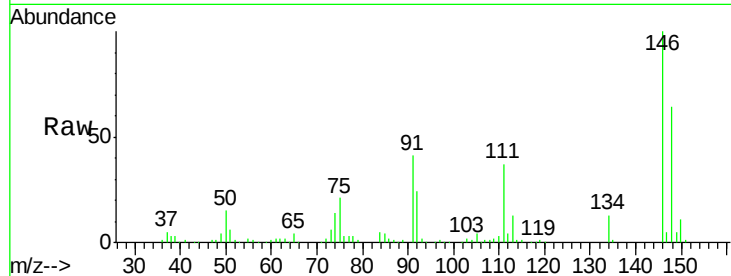




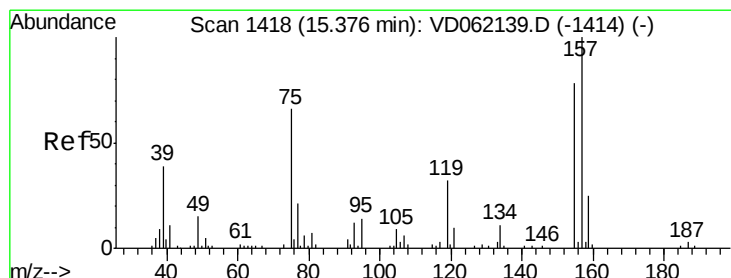
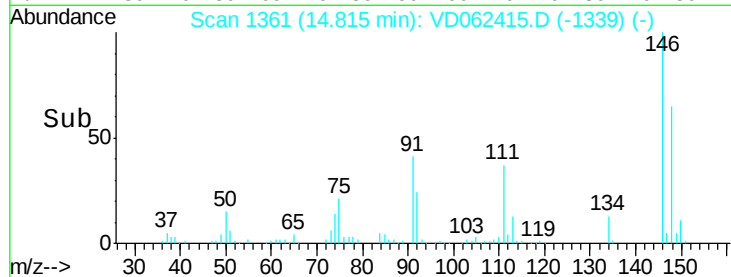
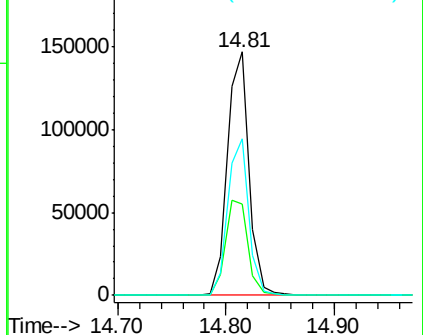
#91
 1,2-Dichlorobenzene
 Concen: 20.413 ug/l
 RT: 14.81 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

Tot Ion:146 Resp: 203974
 Ion Ratio Lower Upper
 146 100
 111 37.5 20.0 59.9
 148 64.4 32.3 96.8

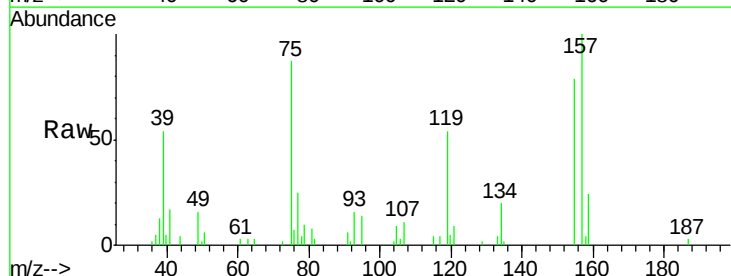


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

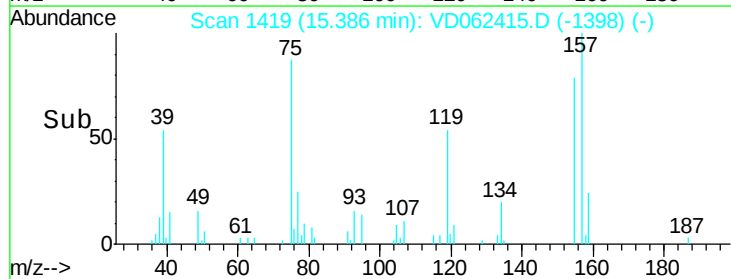
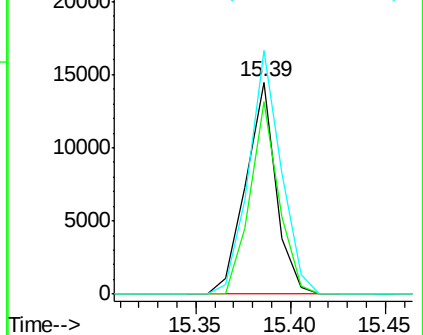


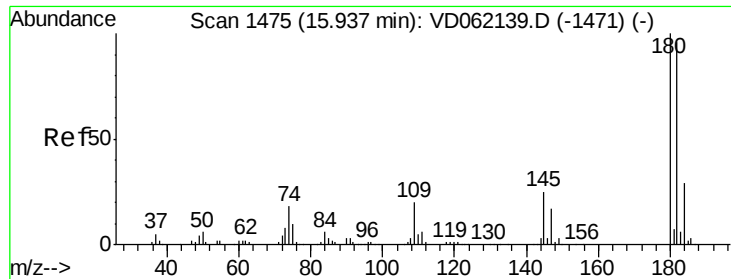
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.614 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion: 75 Resp: 15937
 Ion Ratio Lower Upper
 75 100
 155 90.8 55.3 165.8
 157 115.1 67.8 203.2



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

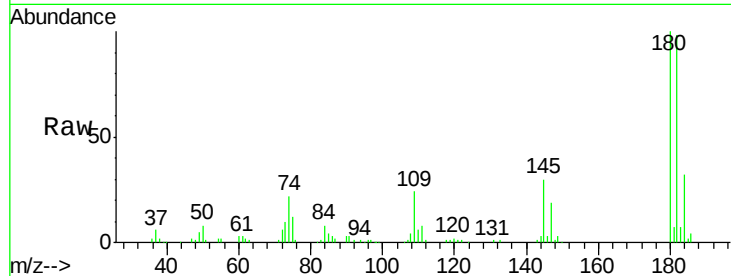




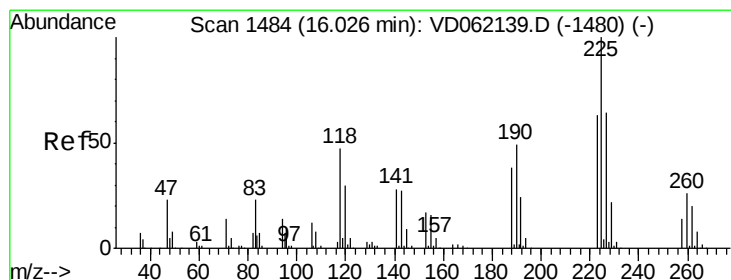
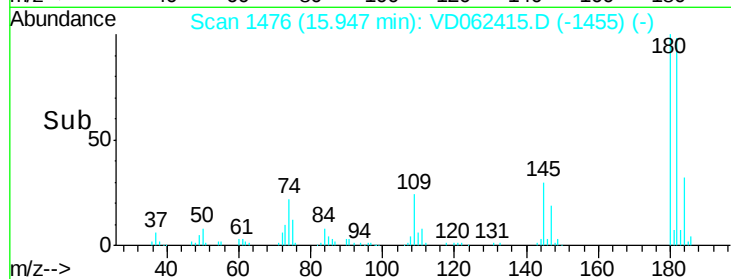
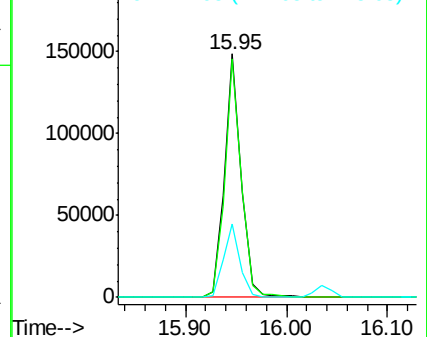
#93
 1,2,4-Trichlorobenzene
 Concen: 23.734 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	49.3	147.8
145	30.2	16.2	48.6

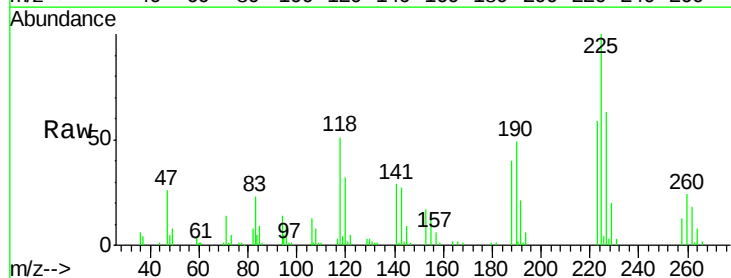


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

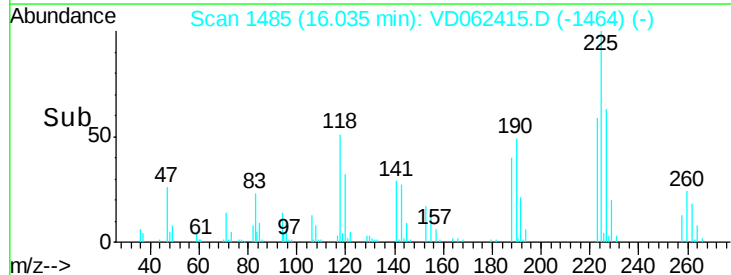
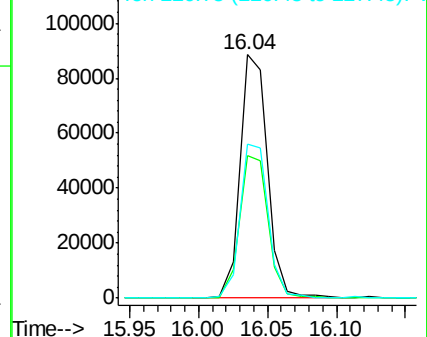


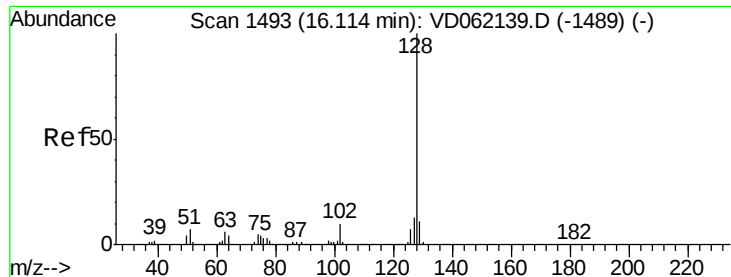
#94
 Hexachlorobutadiene
 Concen: 22.737 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062415.D
 Acq: 16 May 2019 14:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	30.6	92.0
227	63.4	32.0	96.2



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

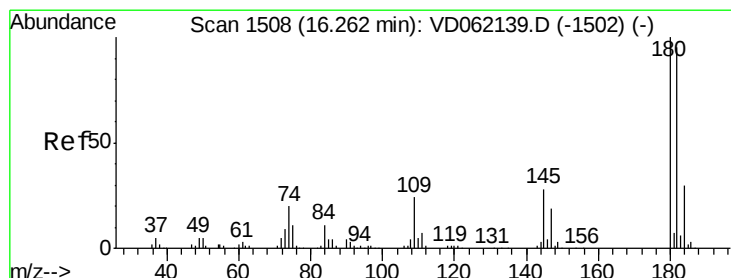
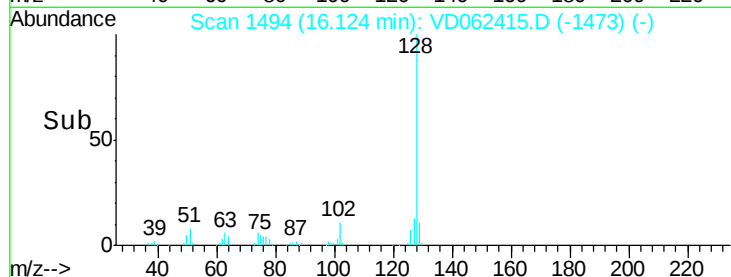
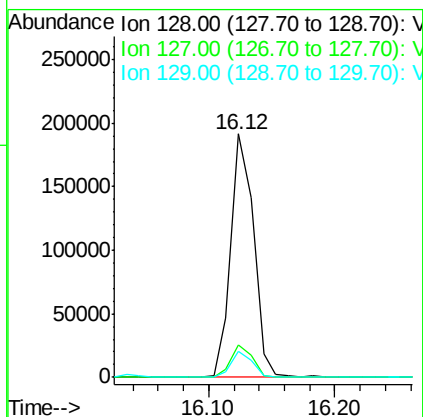
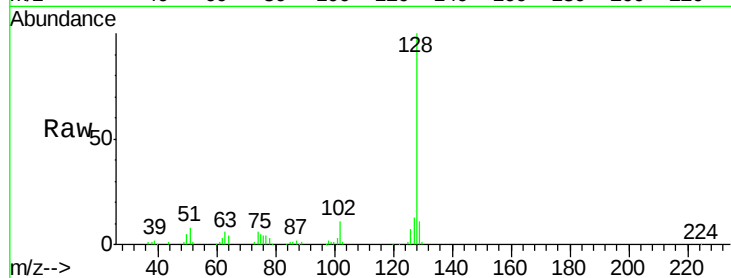




#95
Naphthalene
Concen: 23.600 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
VD0516SBSD01

Tot Ion:128 Resp: 239638
Ion Ratio Lower Upper
128 100
127 13.1 9.8 14.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 27.823 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062415.D
Acq: 16 May 2019 14:08

Tgt Ion:180 Resp: 127233
Ion Ratio Lower Upper
180 100
182 94.5 47.0 141.0
145 31.4 17.0 51.0

