

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051719\
 Data File : VD062435.D
 Acq On : 17 May 2019 13:16
 Operator : FY/SY
 Sample : VD0517SBSD01
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

Quant Time: May 17 13:50:27 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	604042	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	848225	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	709653	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	373737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	243962	43.46	ug/l	0.04
Spiked Amount	50.000		Recovery	=	86.92%	
35) Dibromofluoromethane	6.93	113	292127	41.51	ug/l	0.04
Spiked Amount	50.000		Recovery	=	83.02%	
50) Toluene-d8	10.42	98	607414	35.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	71.60%	
62) 4-Bromofluorobenzene	13.56	95	275588	40.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	84282	14.589	ug/l	99
3) Chloromethane	1.76	50	58204	13.943	ug/l	92
4) Vinyl Chloride	1.84	62	61577	15.009	ug/l	94
5) Bromomethane	2.15	94	23082	24.011	ug/l	97
6) Chloroethane	2.26	64	28892	16.783	ug/l	97
7) Trichlorofluoromethane	2.52	101	153366	19.229	ug/l	94
8) Diethyl Ether	2.88	74	23491	15.271	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	104229	17.275	ug/l	95
10) Methyl Iodide	3.31	142	115421	12.657	ug/l	92
11) Tert butyl alcohol	4.09	59	24195	84.440	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	68081	14.782	ug/l	88
13) Acrolein	3.04	56	17538	59.177	ug/l	90
14) Allyl chloride	3.62	41	111896	16.709	ug/l #	83
15) Acrylonitrile	4.20	53	62424	82.884	ug/l #	89
16) Acetone	3.22	43	119817	101.782	ug/l #	83
17) Carbon Disulfide	3.37	76	169173	12.769	ug/l	99
18) Methyl Acetate	3.65	43	38307	18.000	ug/l	92
19) Methyl tert-butyl Ether	4.24	73	186683	18.910	ug/l	92
20) Methylene Chloride	3.81	84	89077	18.123	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	81714	15.944	ug/l	92
22) Diisopropyl ether	5.13	45	251343	17.637	ug/l	98
23) Vinyl Acetate	5.06	43	728634	96.910	ug/l	99
24) 1,1-Dichloroethane	4.98	63	158519	18.439	ug/l	99
25) 2-Butanone	6.08	43	128330	99.942	ug/l	99
26) 2,2-Dichloropropane	6.03	77	176161	20.571	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	98851	17.231	ug/l	98
28) Bromochloromethane	6.44	49	78706	23.270	ug/l	85
29) Tetrahydrofuran	6.46	42	53464	90.367	ug/l	96
30) Chloroform	6.68	83	193460	18.673	ug/l	95
31) Cyclohexane	6.96	56	90879	15.430	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	190338	19.437	ug/l	97
36) 1,1-Dichloropropene	7.15	75	125348	18.024	ug/l	95
37) Ethyl Acetate	6.19	43	53909	18.278	ug/l #	90
38) Carbon Tetrachloride	7.12	117	182877	18.999	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	106573	15.994	ug/l	94
40) Benzene	7.46	78	259091	16.498	ug/l	99
41) Methacrylonitrile	6.46	41	68572	19.025	ug/l #	85
42) 1,2-Dichloroethane	7.58	62	132776	19.955	ug/l	91
43) Isopropyl Acetate	9.25	43	72967	17.444	ug/l	92
44) Trichloroethene	8.55	130	100727	16.832	ug/l	89
45) 1,2-Dichloropropane	8.94	63	66654	17.159	ug/l	99
46) Dibromomethane	9.07	93	56127	17.768	ug/l	96
47) Bromodichloromethane	9.38	83	150870	19.526	ug/l	98
48) Methyl methacrylate	9.13	41	50562	19.625	ug/l #	86
49) 1,4-Dioxane	9.09	88	9575	344.438	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	261144	97.124	ug/l	91
52) Toluene	10.51	92	173140	16.945	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	119148	17.842	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	131309	18.024	ug/l #	84
55) 1,1,2-Trichloroethane	11.19	97	68191	18.862	ug/l	92
56) Ethyl methacrylate	11.05	69	71398	19.005	ug/l #	81
57) 1,3-Dichloropropane	11.41	76	103323	18.917	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	226166	110.210	ug/l	91
59) 2-Hexanone	11.54	43	199809	100.825	ug/l	90
60) Dibromochloromethane	11.70	129	120243	19.245	ug/l	98
61) 1,2-Dibromoethane	11.81	107	75522	17.182	ug/l	96
64) Tetrachloroethene	11.26	164	91807	16.544	ug/l	96
65) Chlorobenzene	12.40	112	249201	18.854	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	105800	18.392	ug/l	95
67) Ethyl Benzene	12.53	91	403494	18.234	ug/l	96
68) m/p-Xylenes	12.67	106	276657	34.364	ug/l	87
69) o-Xylene	13.05	106	128816	17.211	ug/l	75
70) Styrene	13.07	104	227030	17.906	ug/l	94
71) Bromoform	13.24	173	66698	16.665	ug/l #	99
73) Isopropylbenzene	13.41	105	445276	19.876	ug/l	96
74) N-amyl acetate	13.27	43	105366	17.939	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	72673	17.135	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	78284	17.625	ug/l	99
77) Bromobenzene	13.67	156	114135	18.199	ug/l	93
78) n-propylbenzene	13.78	91	490645	18.360	ug/l	97
79) 2-Chlorotoluene	13.84	91	252331	16.486	ug/l	86
80) 1,3,5-Trimethylbenzene	13.94	105	343996	18.234	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	20692	16.502	ug/l #	76
82) 4-Chlorotoluene	13.95	91	350099	19.438	ug/l	84
83) tert-Butylbenzene	14.20	119	417568	19.693	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	367061	19.389	ug/l	93
85) sec-Butylbenzene	14.37	105	401614	17.275	ug/l	96
86) p-Isopropyltoluene	14.49	119	349554	16.829	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	206800	18.051	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	200771	17.836	ug/l	100
89) n-Butylbenzene	14.81	91	351004	18.827	ug/l	96
90) Hexachloroethane	15.01	117	102016	18.060	ug/l	87
91) 1,2-Dichlorobenzene	14.82	146	173613	18.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12466	17.906	ug/l	88

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

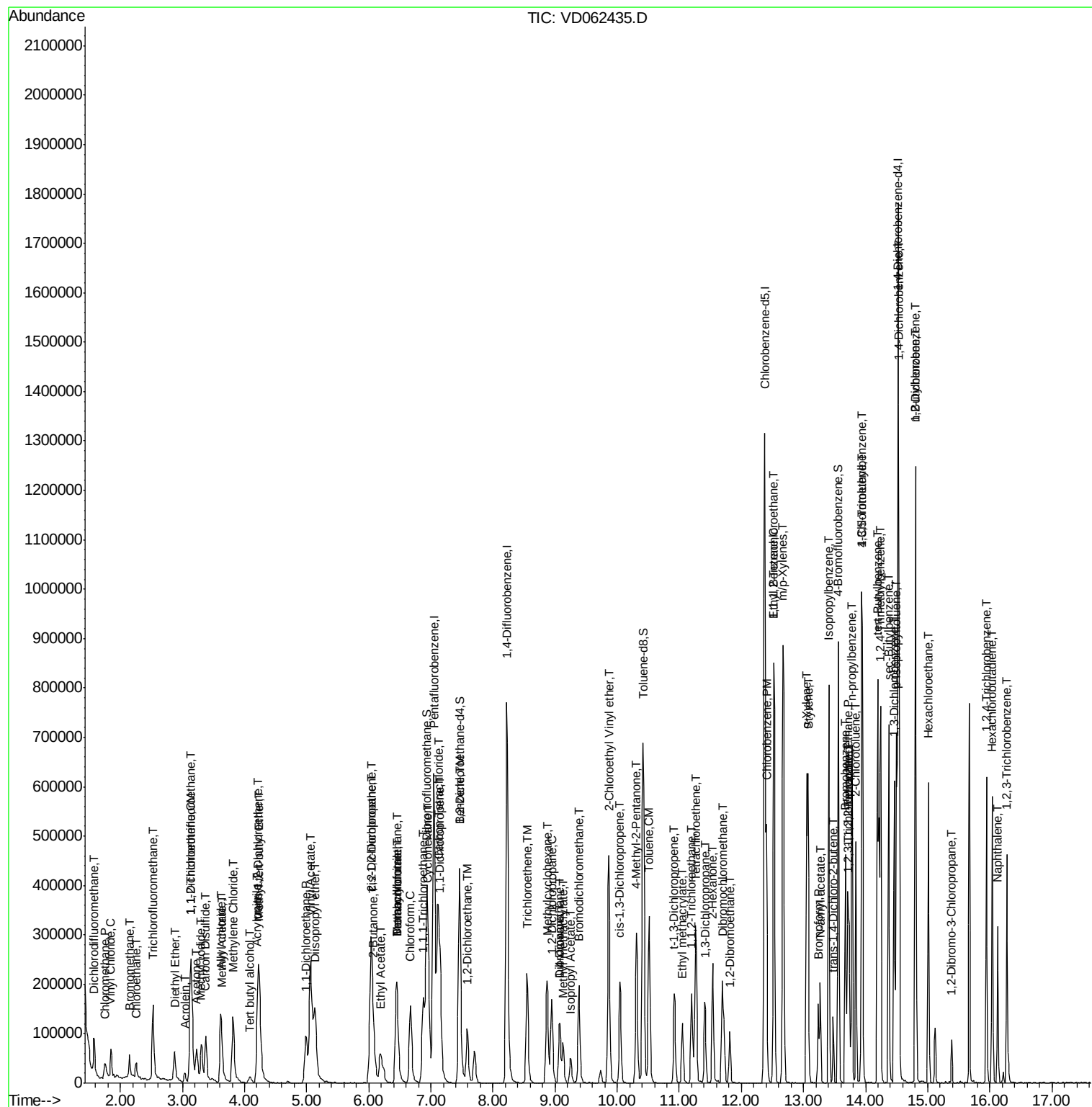
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	143903	20.954	ug/l	97
94) Hexachlorobutadiene	16.05	225	102527	20.073	ug/l	99
95) Naphthalene	16.12	128	195114	20.351	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	116641	27.014	ug/l	97

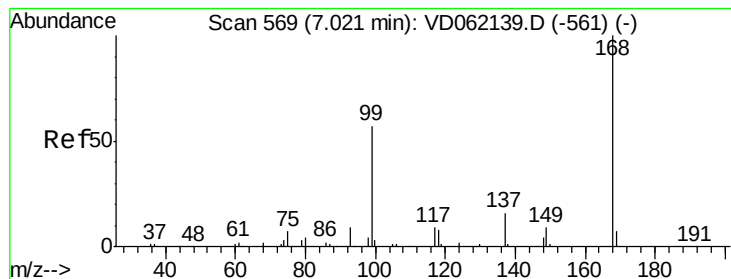
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 17 May 2019 13:16
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Client Sample Id :
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Quant Time: May 17 13:50:27 2019
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

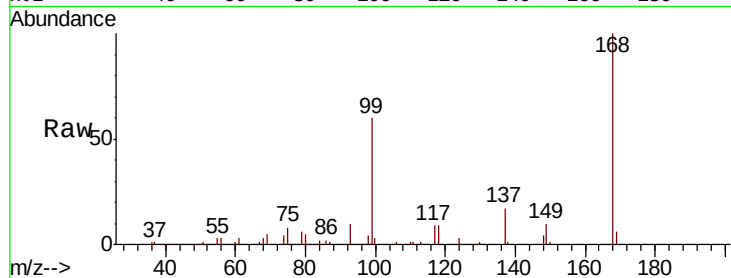
VD0517SBS01

Tgt Ion: 168 Resp: 604042

Ion Ratio Lower Upper

168 100

99 60.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

250000

200000

150000

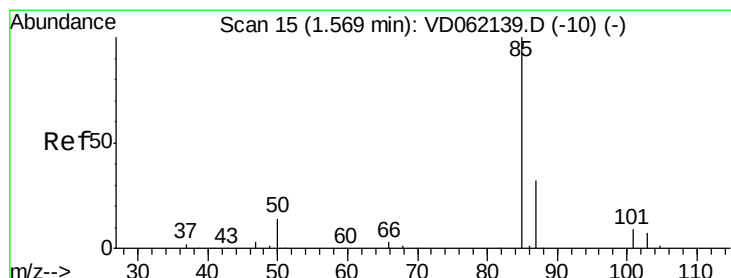
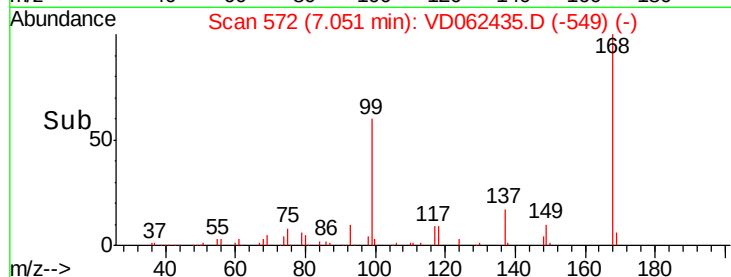
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 14.589 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062435.D

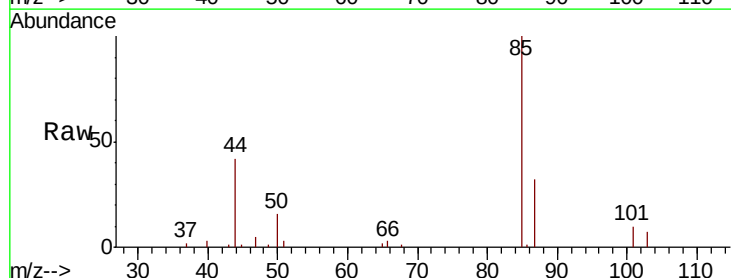
Acq: 17 May 2019 13:16

Tgt Ion: 85 Resp: 84282

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.57

40000

30000

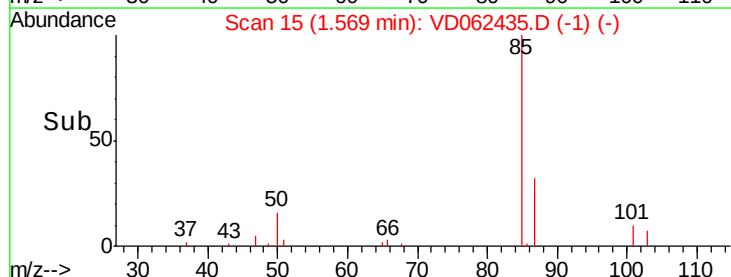
20000

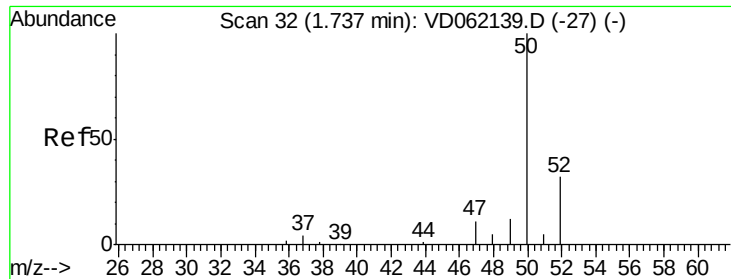
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 13.943 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

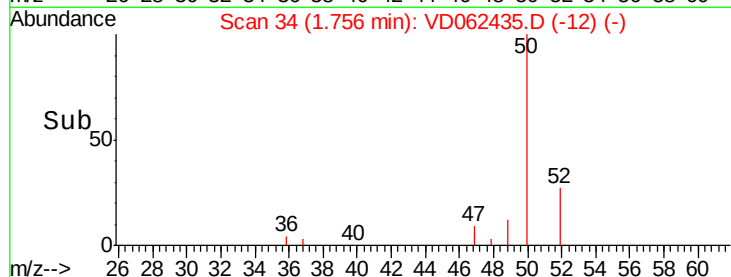
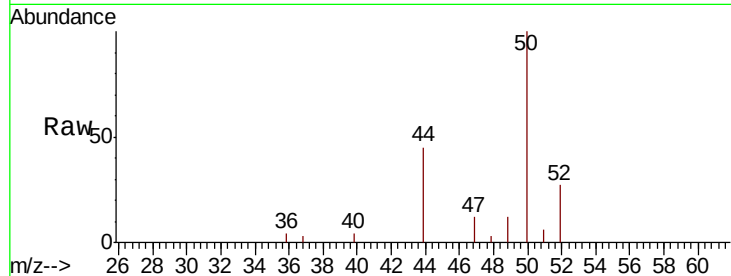
VD0517SBS01

Tgt Ion: 50 Resp: 58204

Ion Ratio Lower Upper

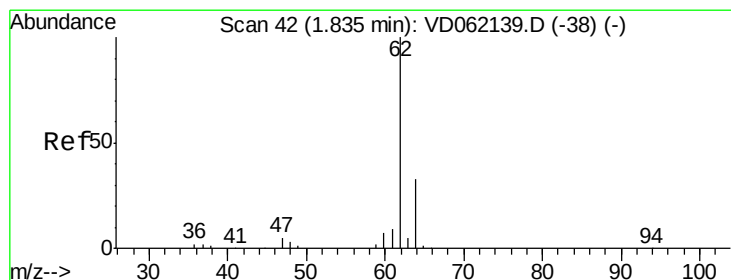
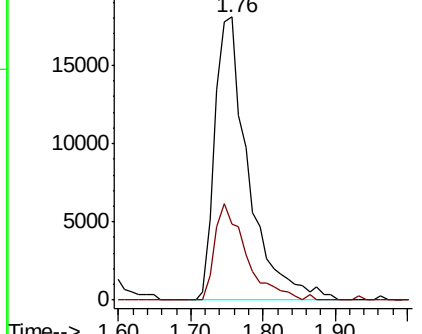
50 100

52 27.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 15.009 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062435.D

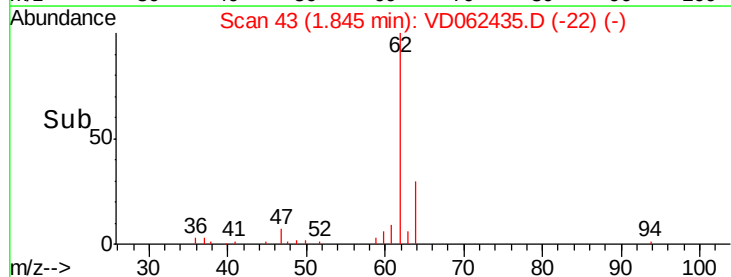
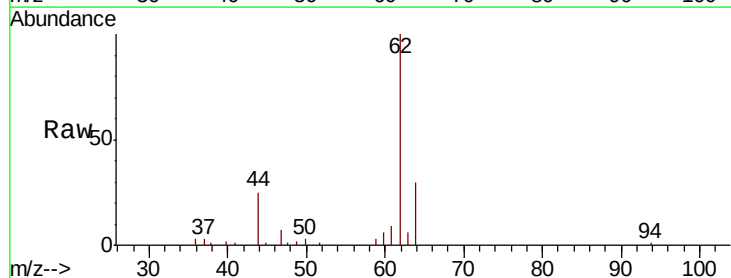
Acq: 17 May 2019 13:16

Tgt Ion: 62 Resp: 61577

Ion Ratio Lower Upper

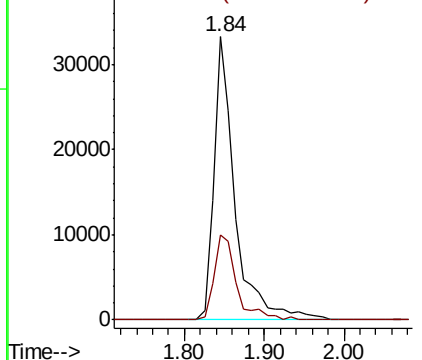
62 100

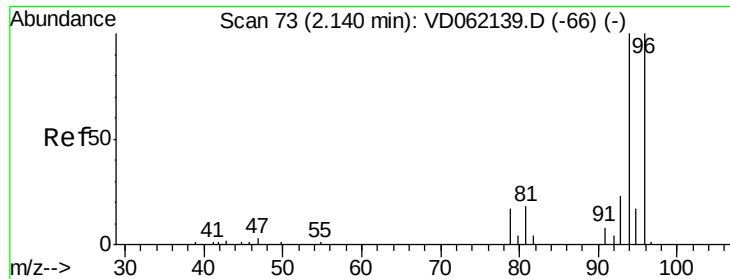
64 29.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 24.011 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

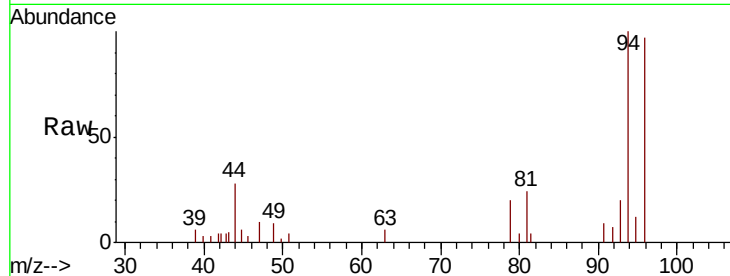
Tgt Ion: 94 Resp: 23082

Ion Ratio Lower Upper

94 100

96 97.5 76.6 115.0

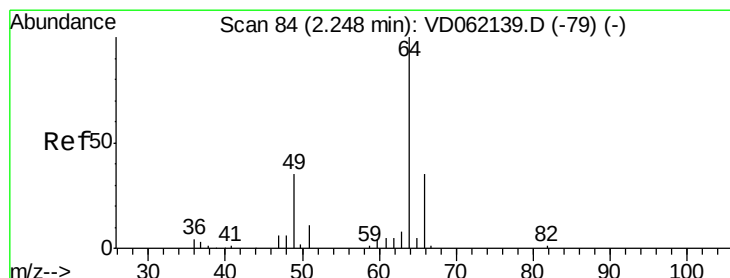
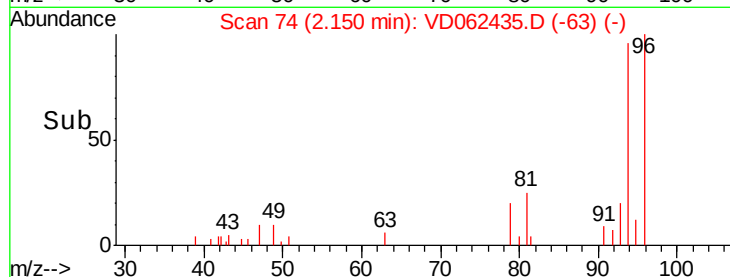
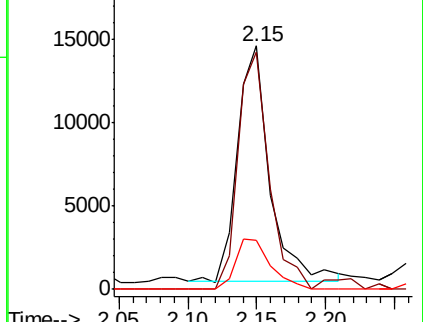
93 19.9 18.5 27.7



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: 16.783 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062435.D

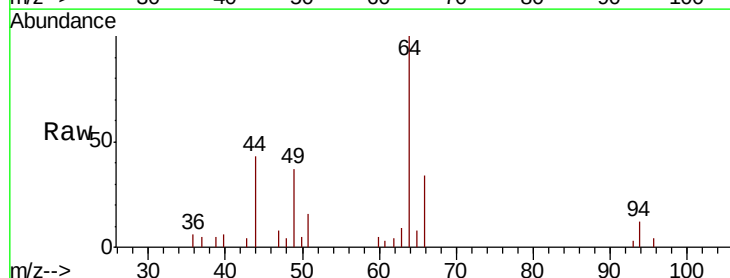
Acq: 17 May 2019 13:16

Tgt Ion: 64 Resp: 28892

Ion Ratio Lower Upper

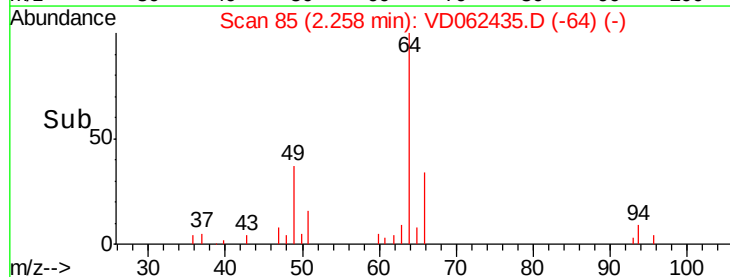
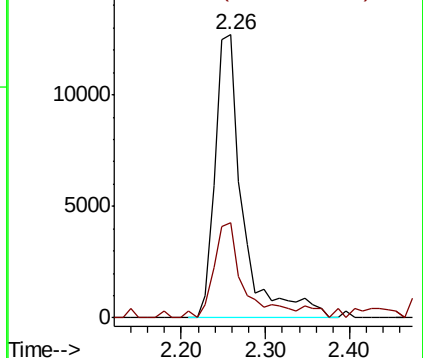
64 100

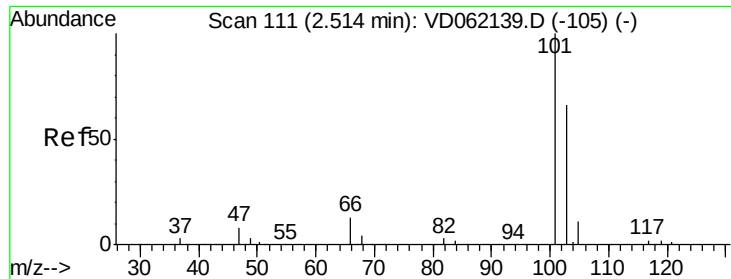
66 33.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



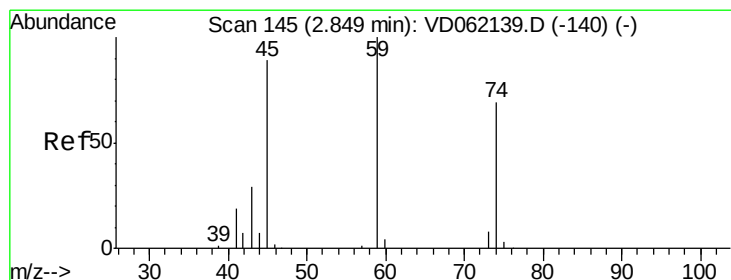
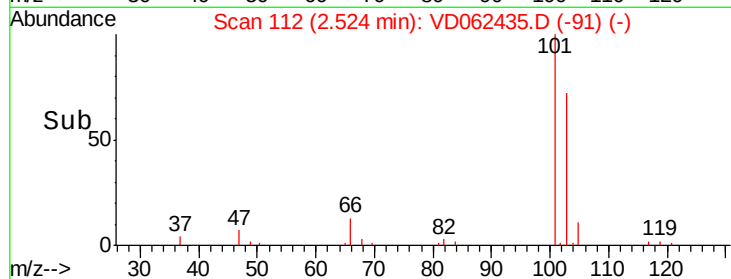
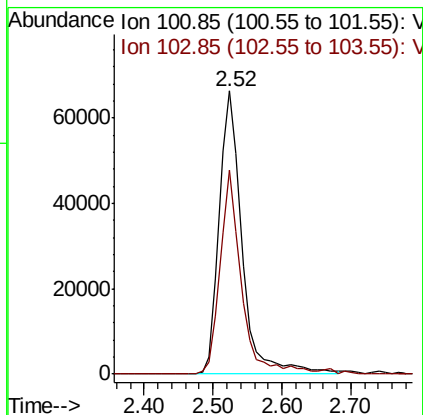
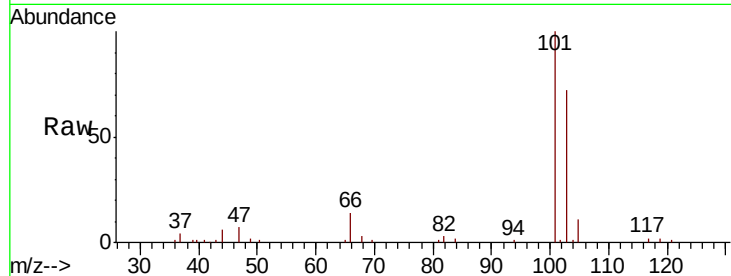


#7

Trichlorofluoromethane
 Concen: 19.229 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
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 VD0517SBSD01

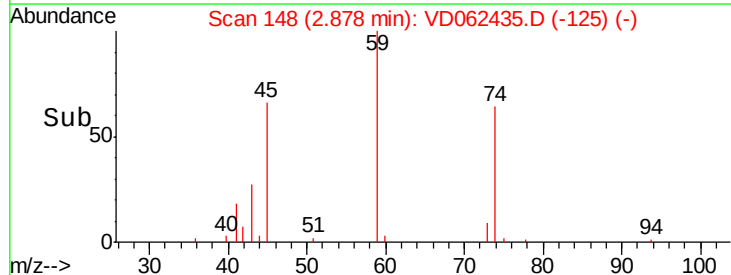
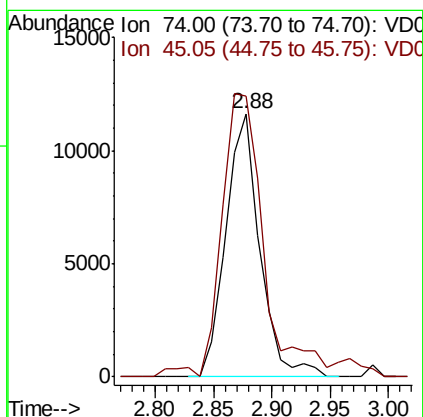
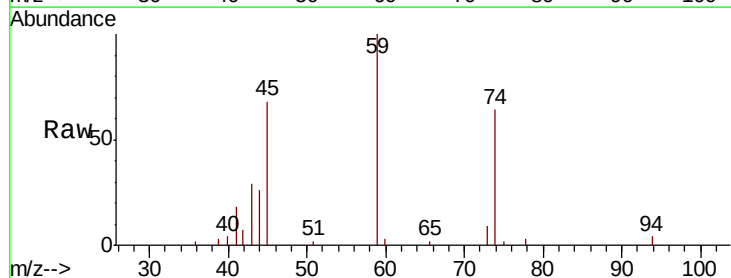
Tgt Ion:101 Resp: 153366
 Ion Ratio Lower Upper
 101 100
 103 72.0 53.6 80.4

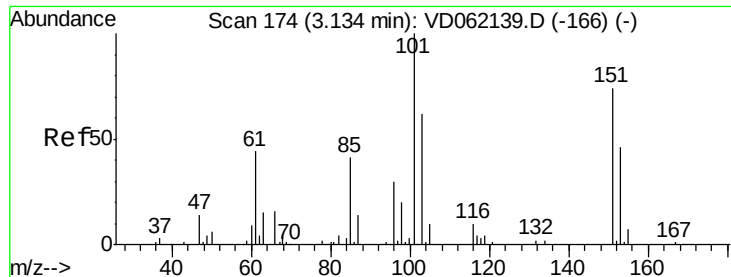


#8

Diethyl Ether
 Concen: 15.271 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 74 Resp: 23491
 Ion Ratio Lower Upper
 74 100
 45 106.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.275 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

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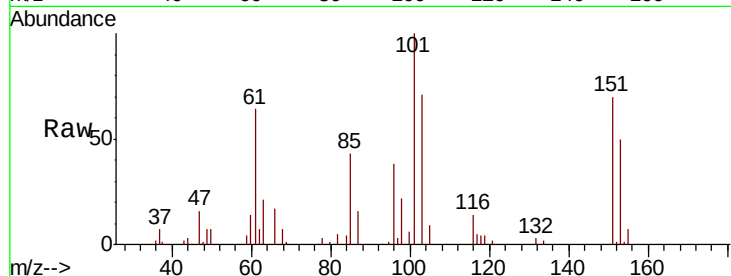
Tgt Ion:101 Resp: 104229

Ion Ratio Lower Upper

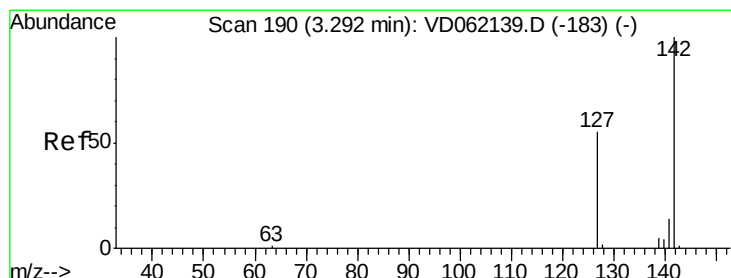
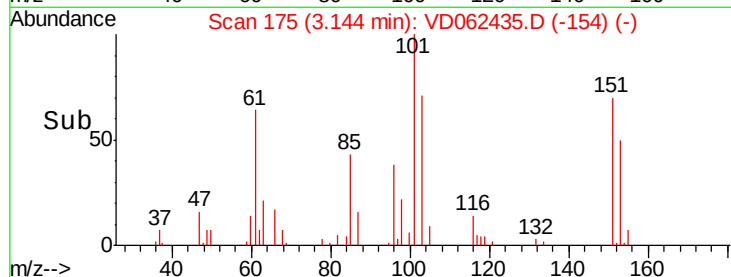
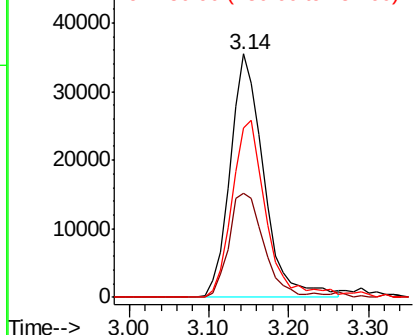
101 100

85 42.7 32.4 48.6

151 69.7 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: 12.657 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

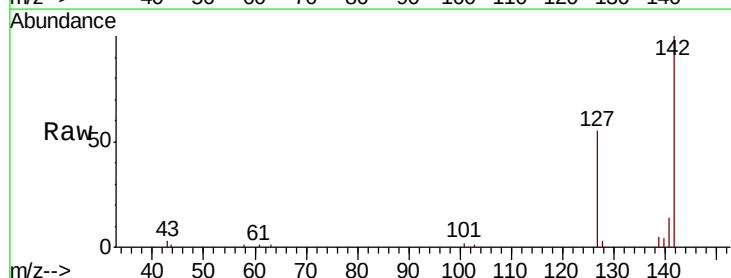
Tgt Ion:142 Resp: 115421

Ion Ratio Lower Upper

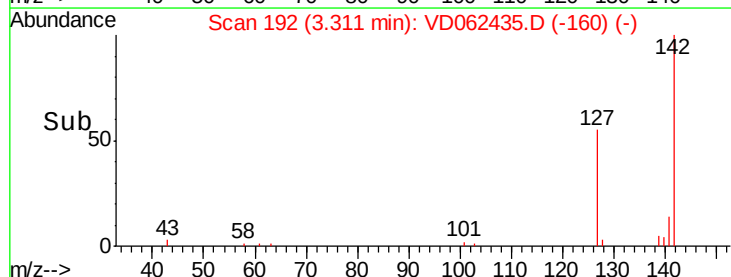
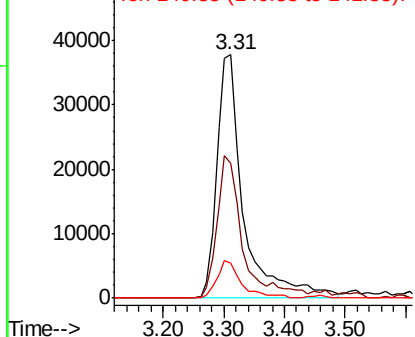
142 100

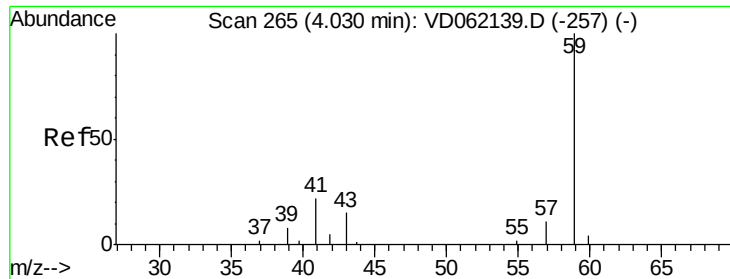
127 55.2 38.8 58.2

141 14.4 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

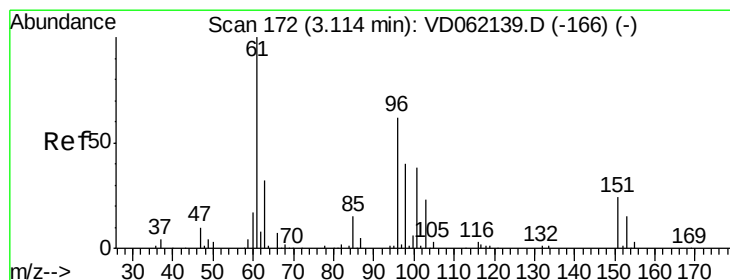
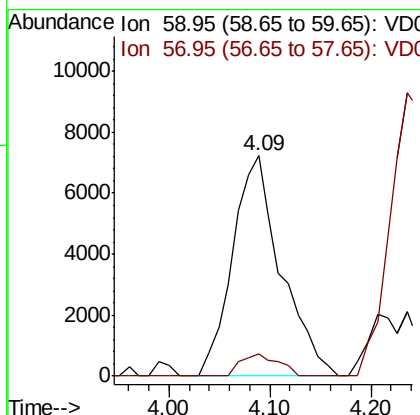
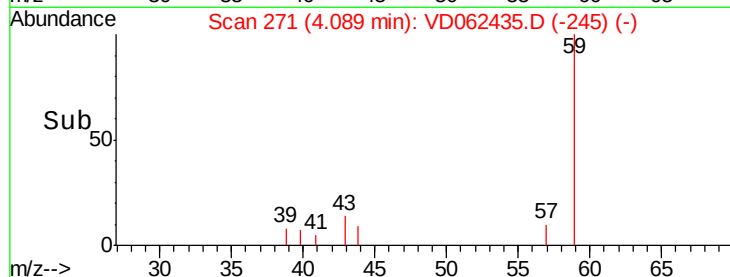
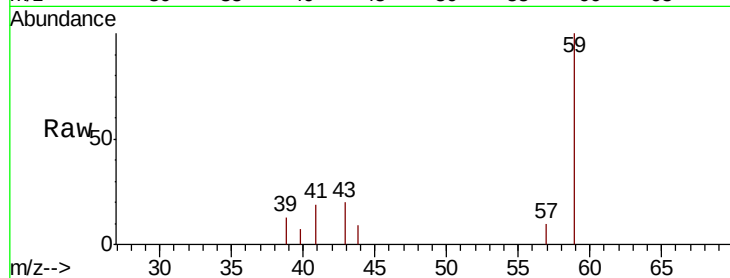




#11
Tert butyl alcohol
Concen: 84.440 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.06 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

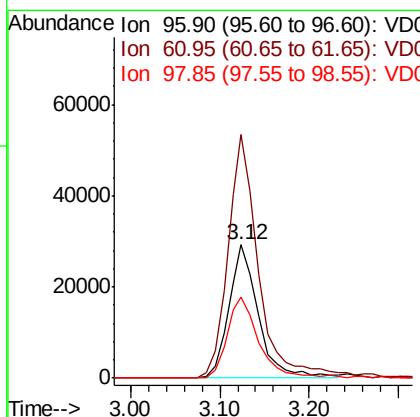
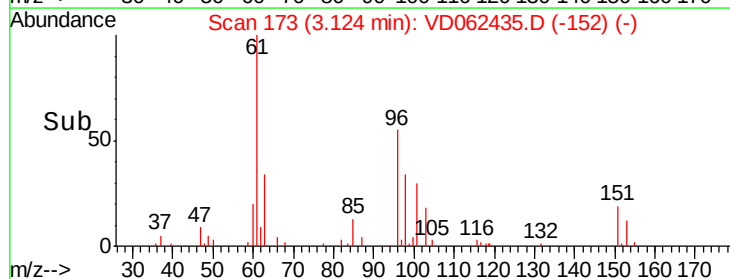
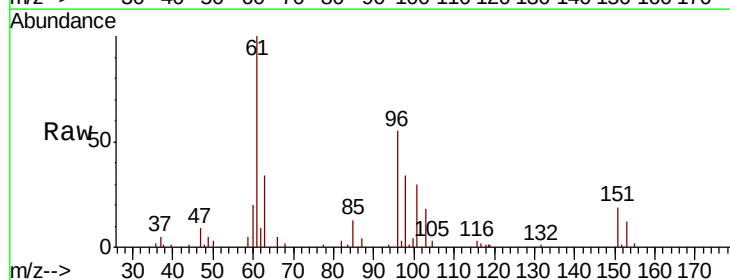
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

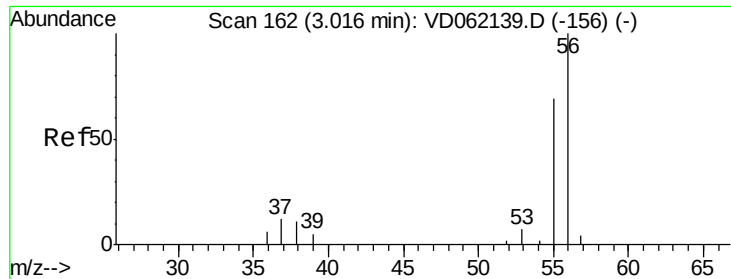
Tgt Ion: 59 Resp: 24195
Ion Ratio Lower Upper
59 100
57 10.3 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 14.782 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 96 Resp: 68081
Ion Ratio Lower Upper
96 100
61 182.4 129.8 194.8
98 61.1 51.2 76.8





#13

Acrolein

Concen: 59.177 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

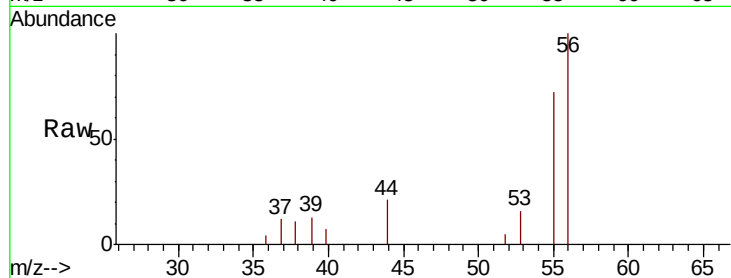
VD0517SBSD01

Tgt Ion: 56 Resp: 17538

Ion Ratio Lower Upper

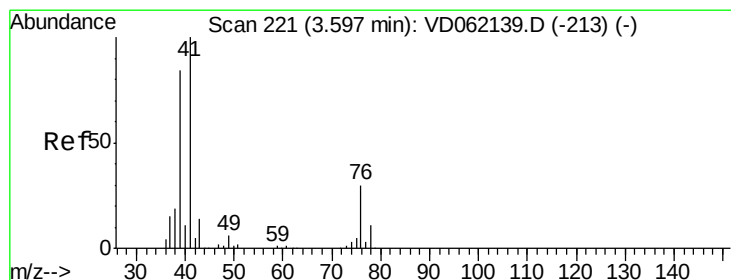
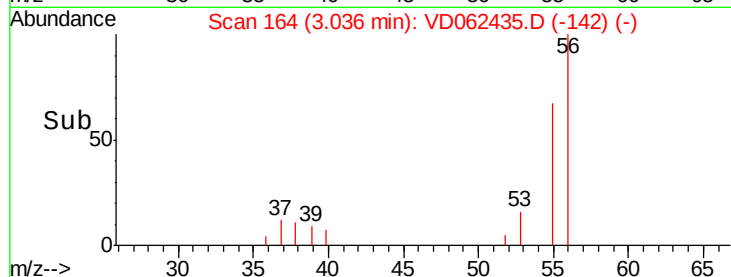
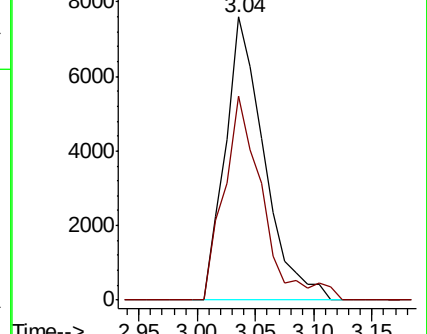
56 100

55 72.2 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: 16.709 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

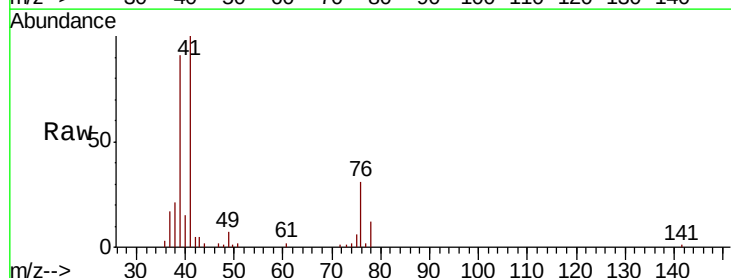
Tgt Ion: 41 Resp: 111896

Ion Ratio Lower Upper

41 100

39 91.2 60.5 90.7#

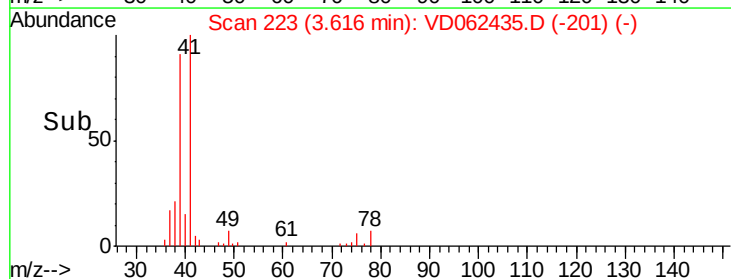
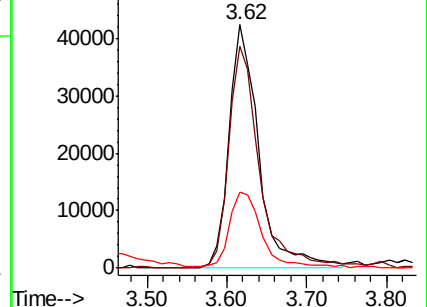
76 31.0 31.8 47.8#

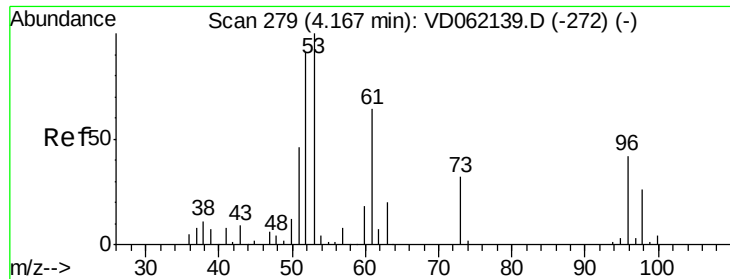


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 82.884 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

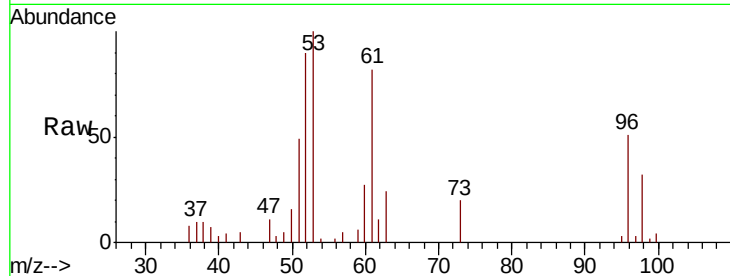
Tgt Ion: 53 Resp: 62424

Ion Ratio Lower Upper

53 100

52 89.6 65.0 97.4

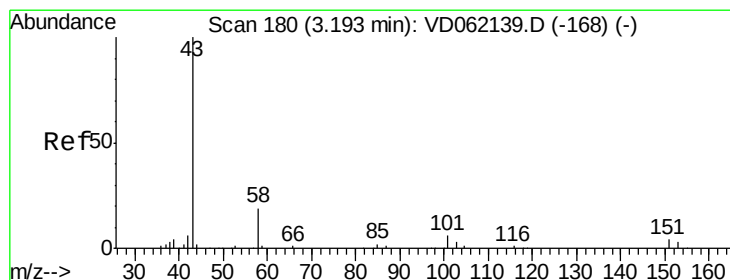
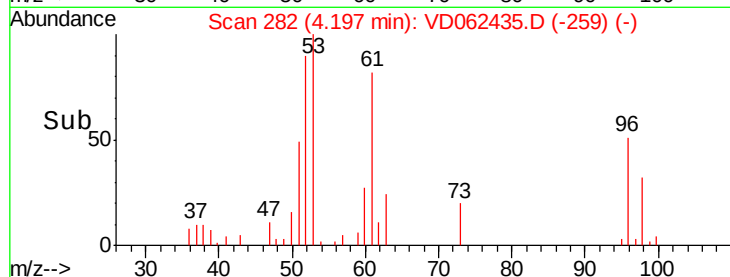
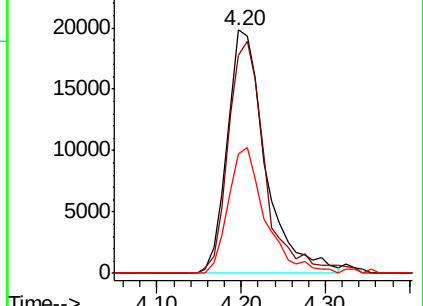
51 49.0 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 101.782 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062435.D

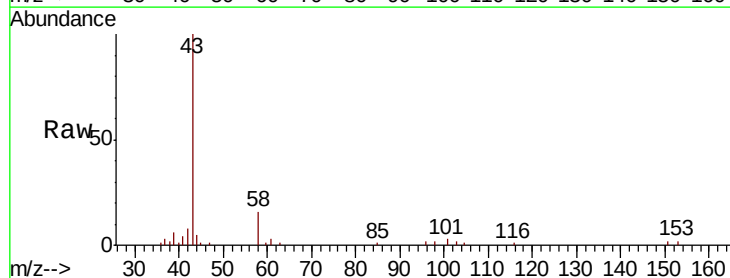
Acq: 17 May 2019 13:16

Tgt Ion: 43 Resp: 119817

Ion Ratio Lower Upper

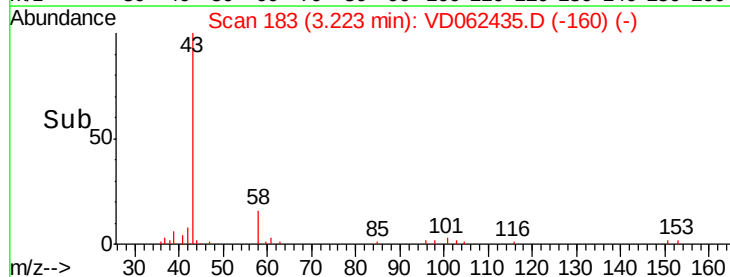
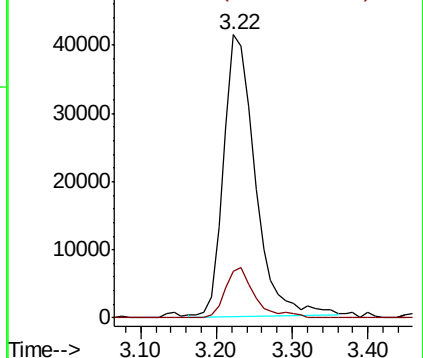
43 100

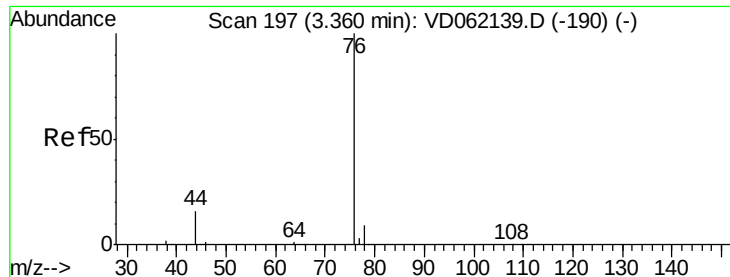
58 16.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 12.769 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

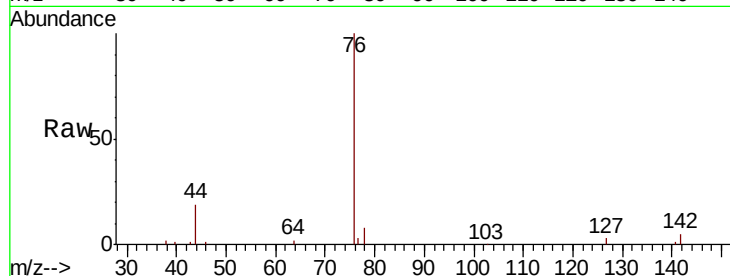
VD0517SBS01

Tgt Ion: 76 Resp: 169173

Ion Ratio Lower Upper

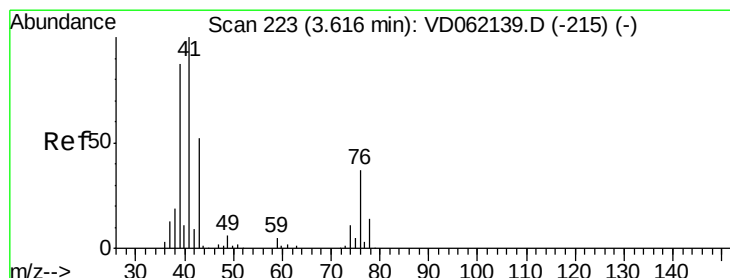
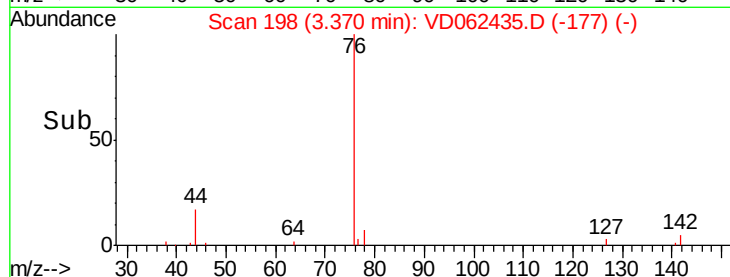
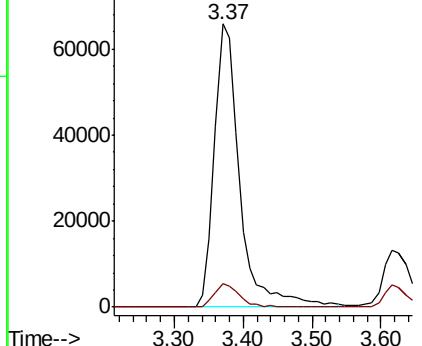
76 100

78 8.5 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: 18.000 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062435.D

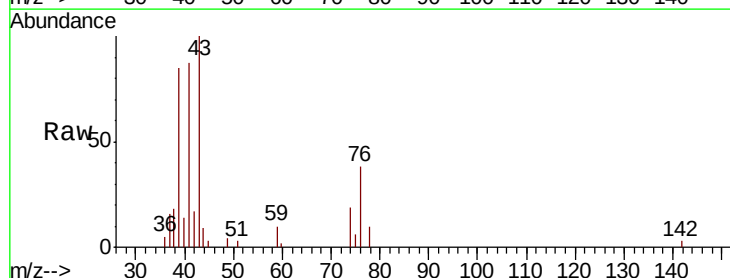
Acq: 17 May 2019 13:16

Tgt Ion: 43 Resp: 38307

Ion Ratio Lower Upper

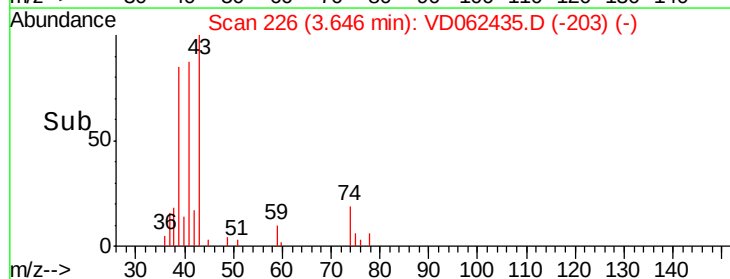
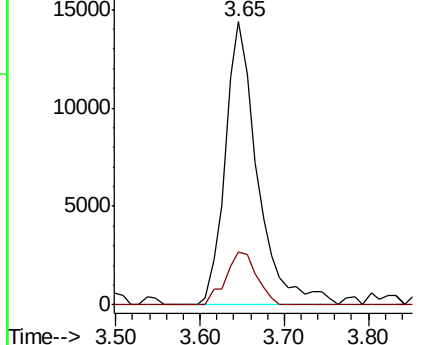
43 100

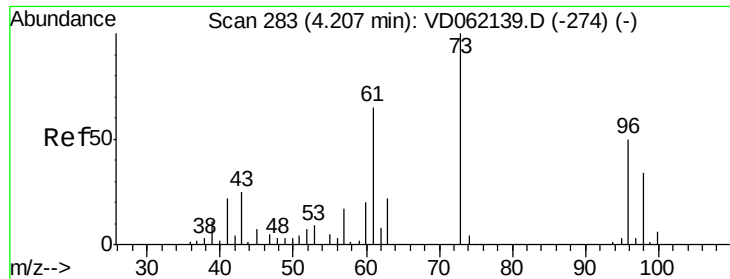
74 18.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

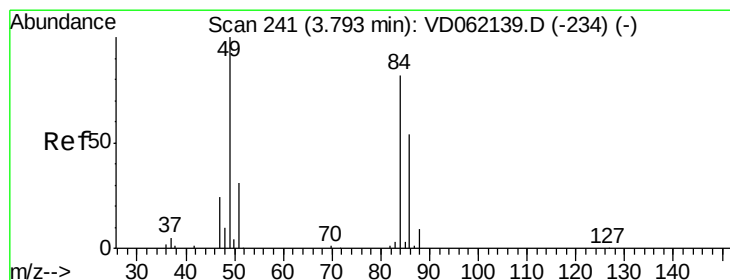
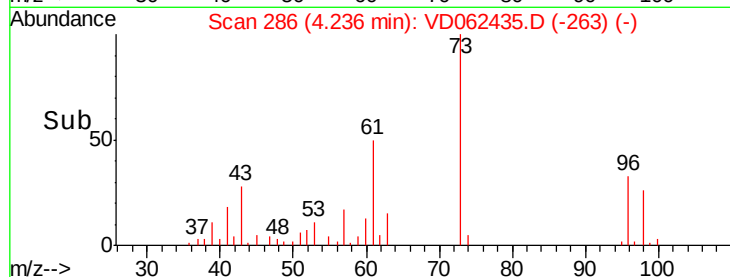
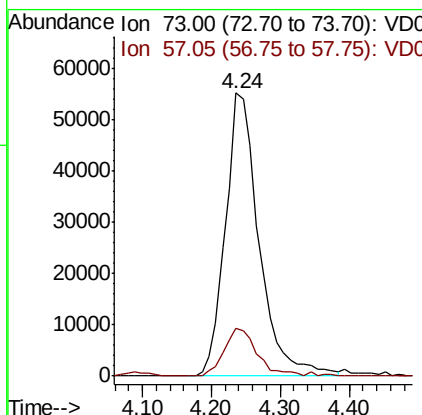
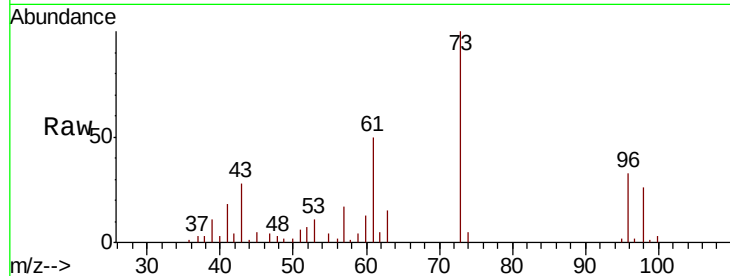




#19
Methyl tert-butyl Ether
Concen: 18.910 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

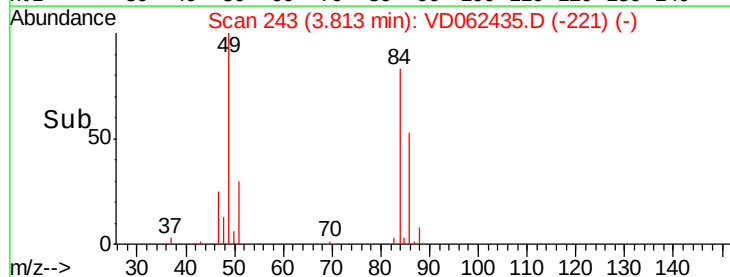
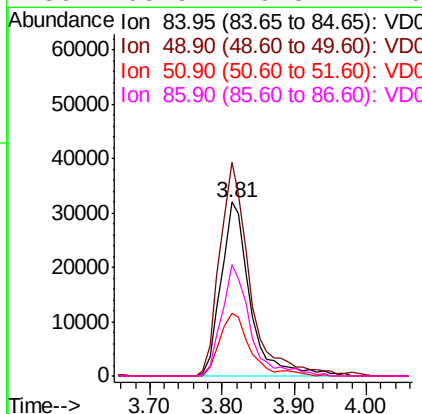
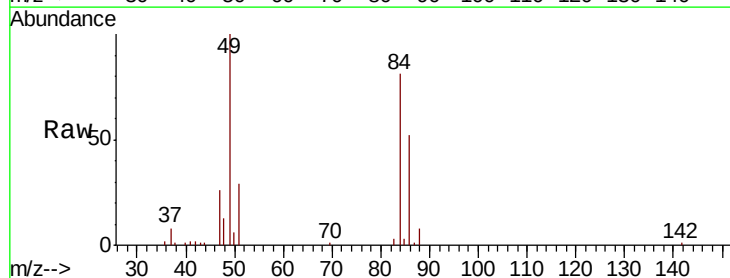
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

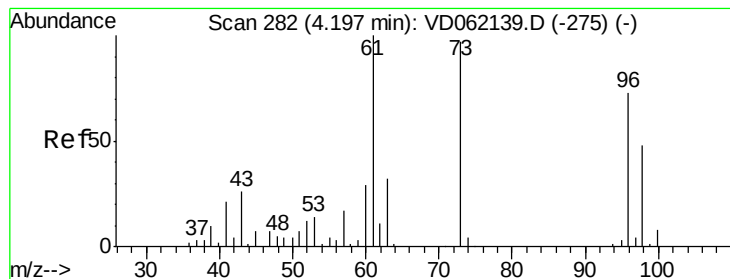
Tgt Ion: 73 Resp: 186683
Ion Ratio Lower Upper
73 100
57 16.8 16.3 24.5



#20
Methylene Chloride
Concen: 18.123 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 84 Resp: 89077
Ion Ratio Lower Upper
84 100
49 123.0 94.0 141.0
51 36.0 29.0 43.4
86 63.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 15.944 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

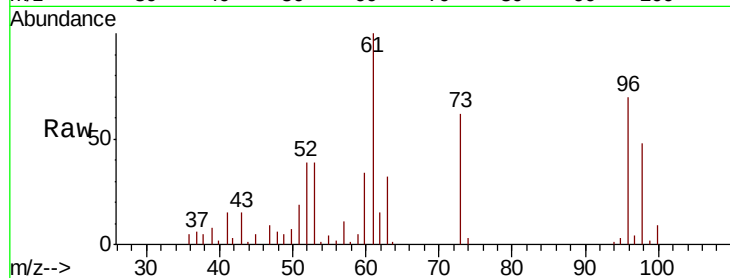
Tgt Ion: 96 Resp: 81714

Ion Ratio Lower Upper

96 100

61 141.9 104.4 156.6

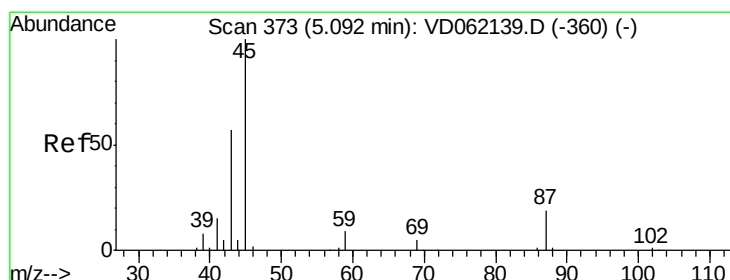
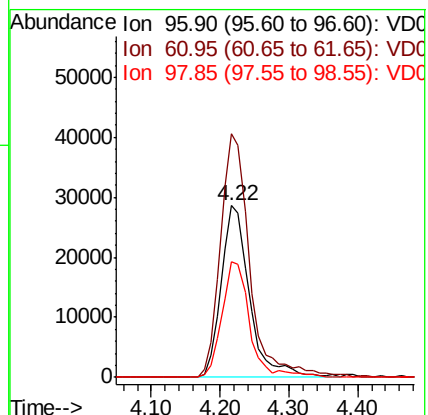
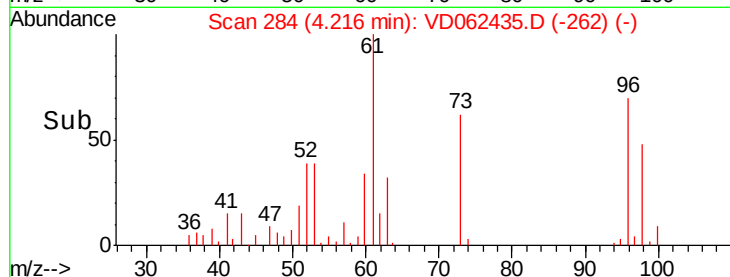
98 67.7 51.8 77.8



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: 17.637 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Tgt Ion: 45 Resp: 251343

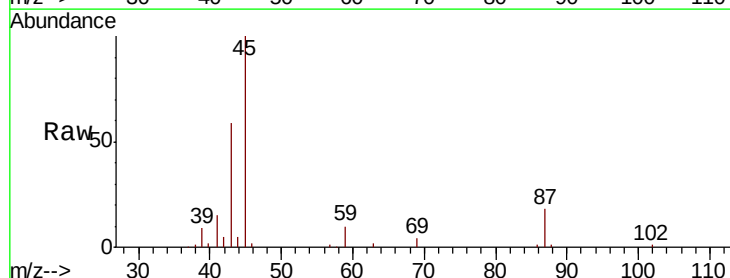
Ion Ratio Lower Upper

45 100

43 59.3 46.2 69.2

87 18.3 15.9 23.9

59 9.5 7.9 11.9

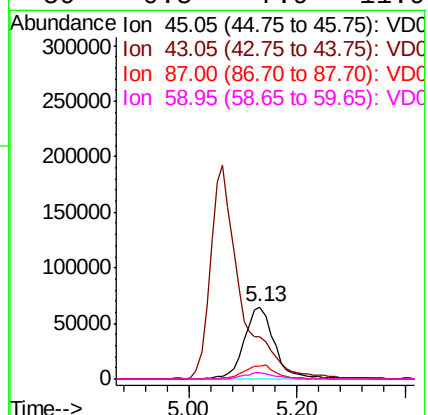
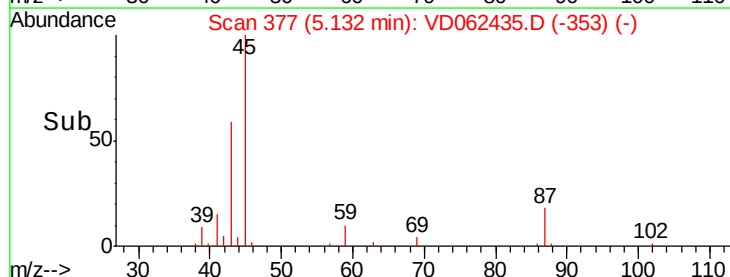


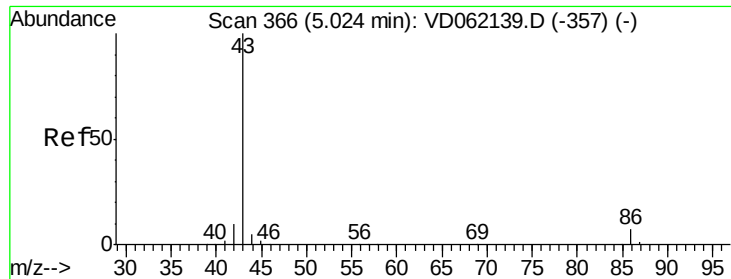
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

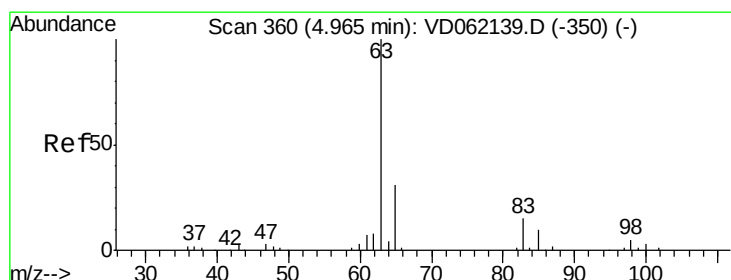
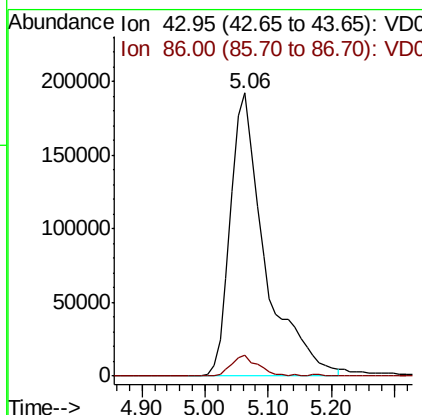
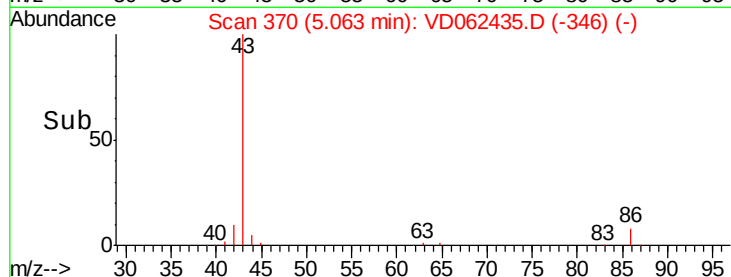
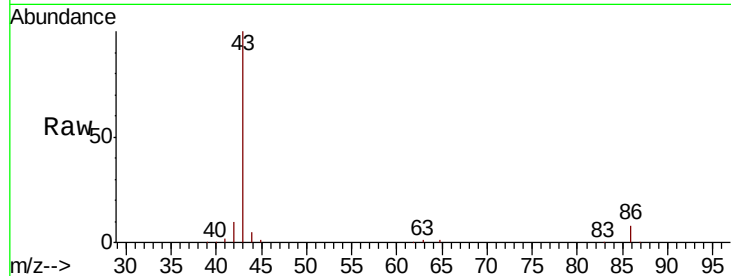




#23
 Vinyl Acetate
 Concen: 96.910 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. 0.04 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

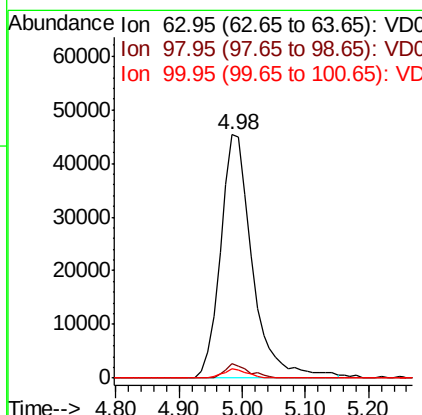
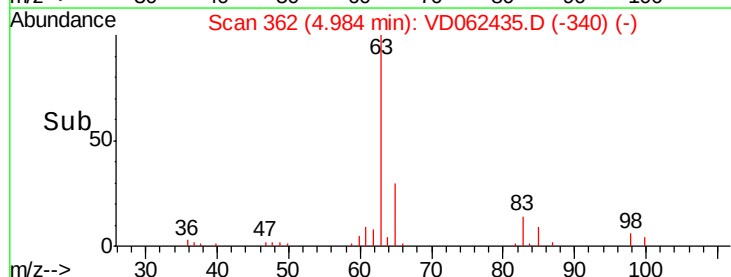
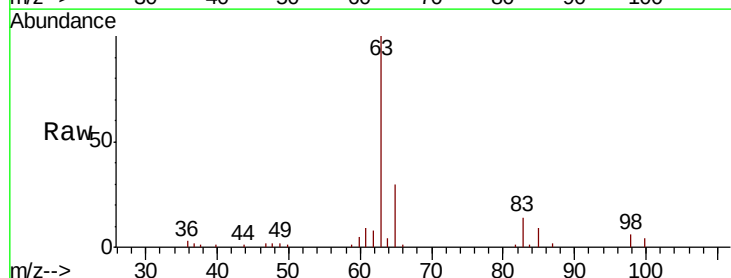
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

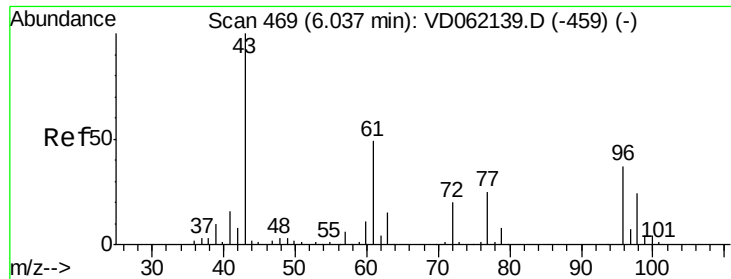
Tgt Ion: 43 Resp: 728634
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 18.439 ug/l
 RT: 4.98 min Scan# 362
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 63 Resp: 158519
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.8 1.8 5.5

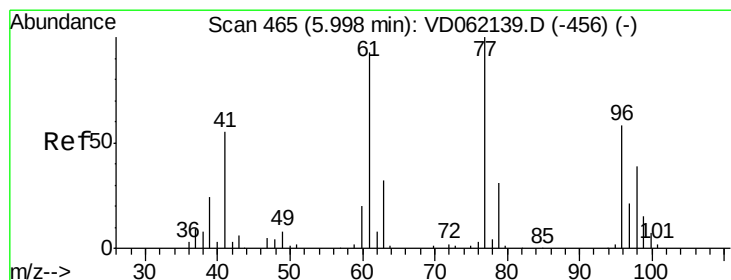
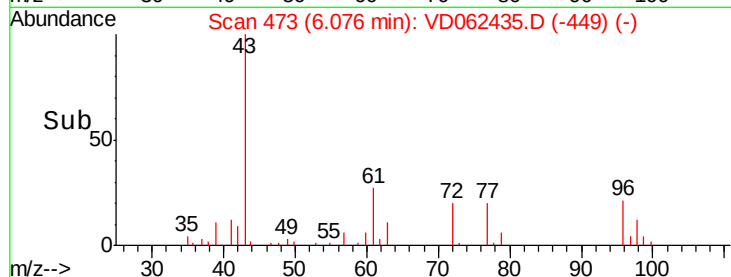
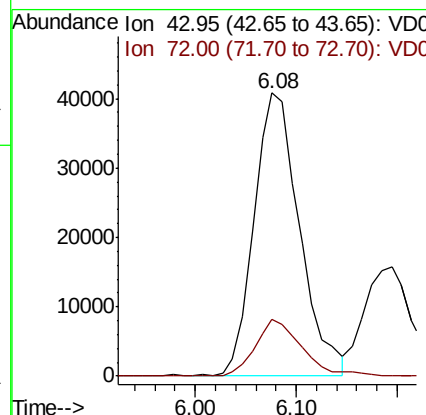
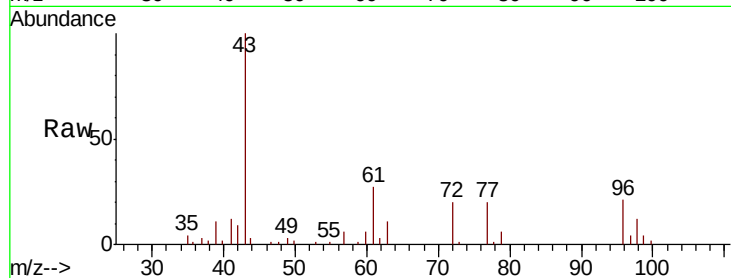




#25
2-Butanone
Concen: 99.942 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

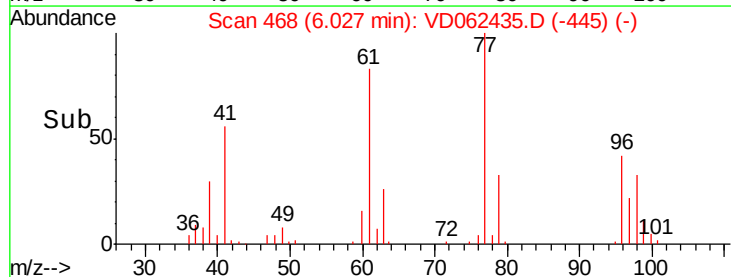
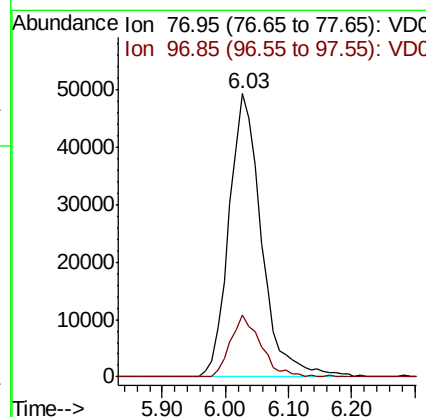
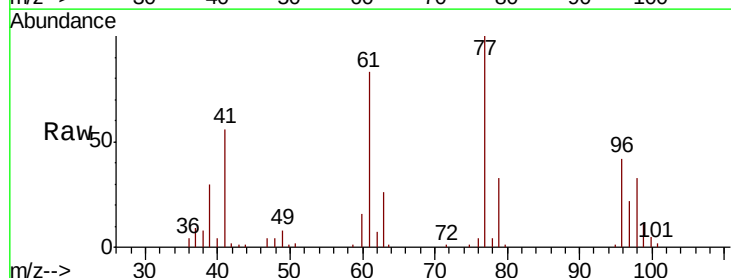
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

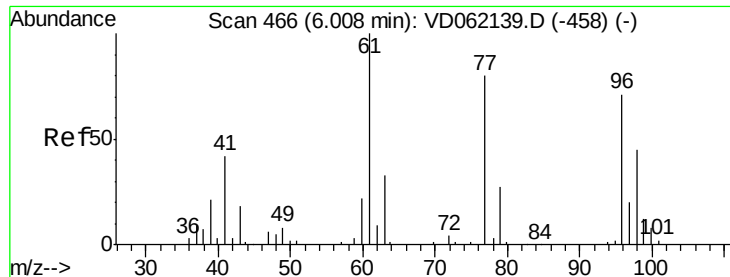
Tgt Ion: 43 Resp: 128330
Ion Ratio Lower Upper
43 100
72 20.1 16.2 24.4



#26
2,2-Dichloropropane
Concen: 20.571 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 77 Resp: 176161
Ion Ratio Lower Upper
77 100
97 22.1 11.9 35.9



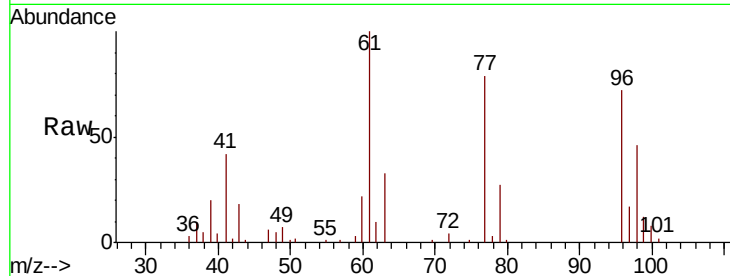


#27

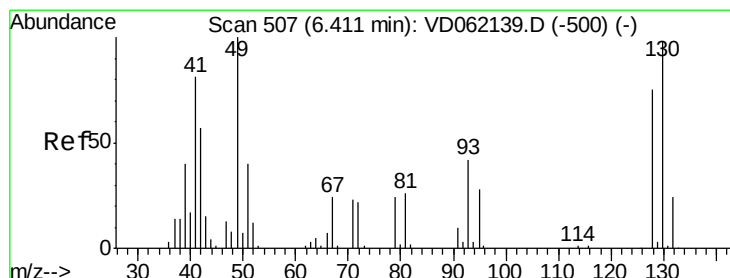
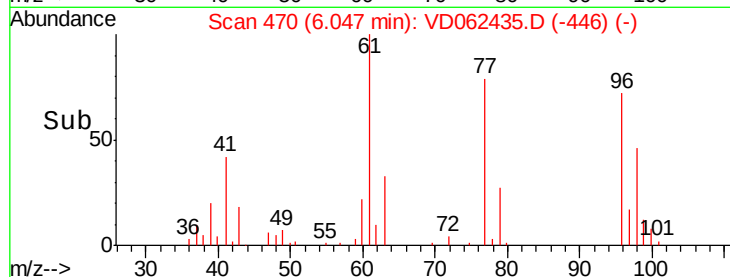
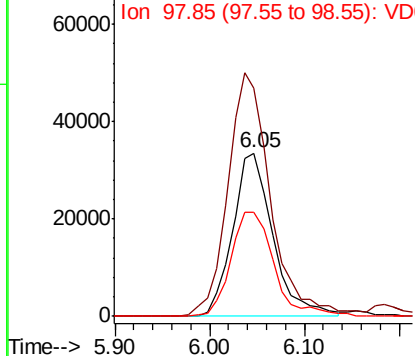
cis-1,2-Dichloroethene
Concen: 17.231 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tgt Ion: 96 Resp: 98851
Ion Ratio Lower Upper
96 100
61 139.5 0.0 279.8
98 63.7 0.0 136.0



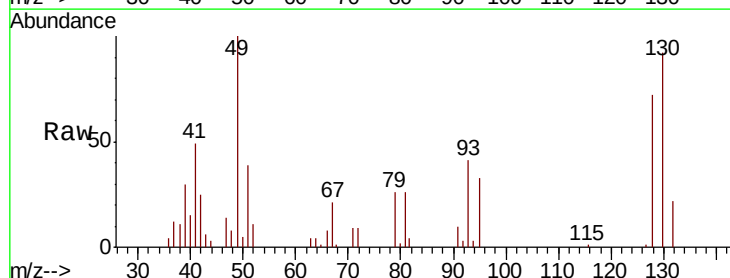
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



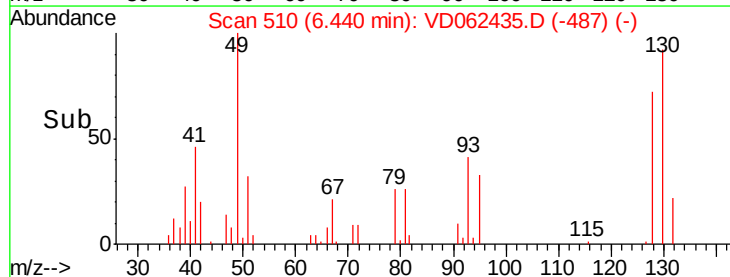
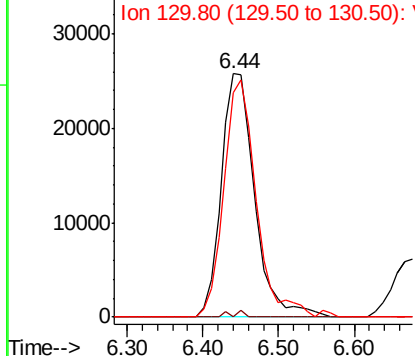
#28

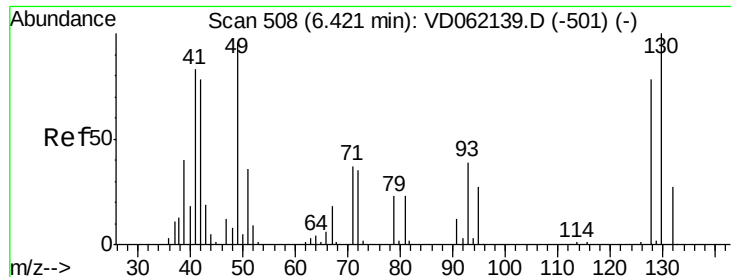
Bromochloromethane
Concen: 23.270 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 49 Resp: 78706
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 92.4 86.7 130.1



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

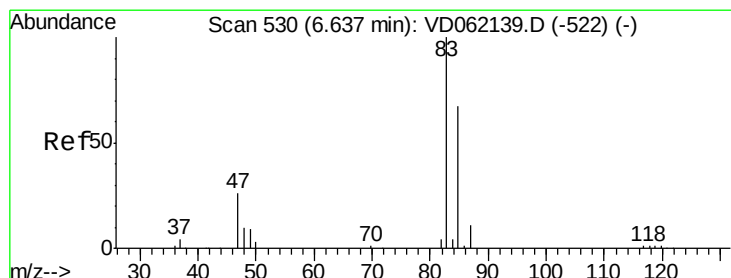
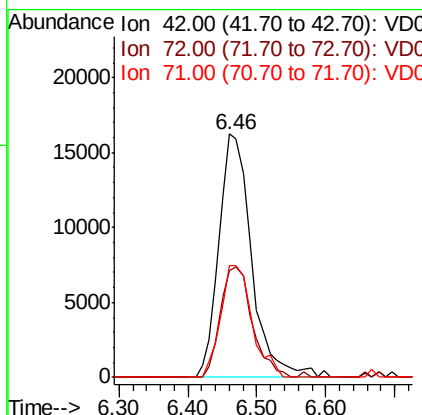
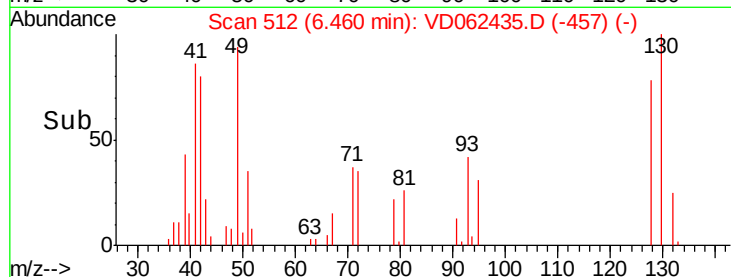
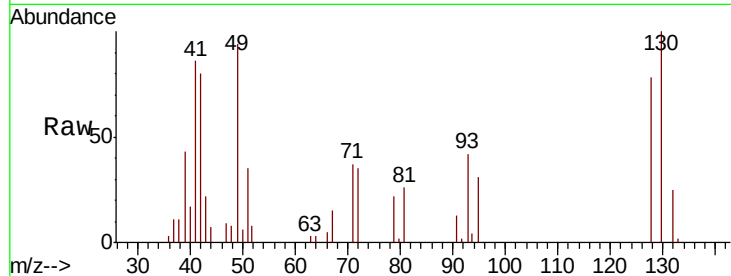




#29
Tetrahydrofuran
Concen: 90.367 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

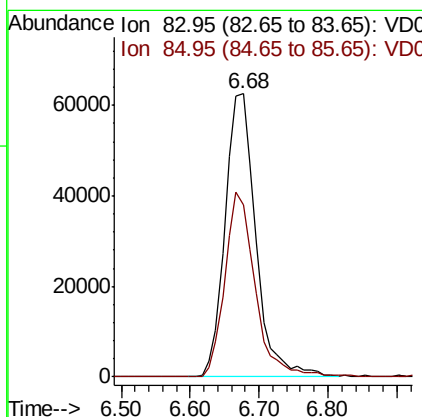
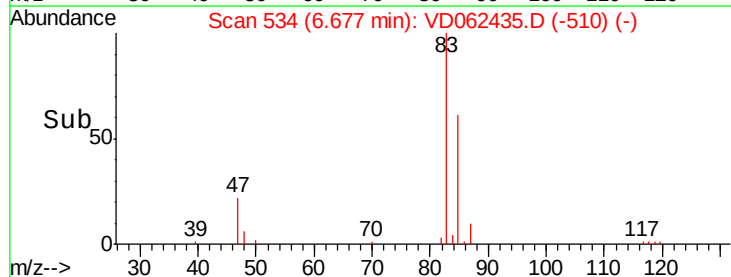
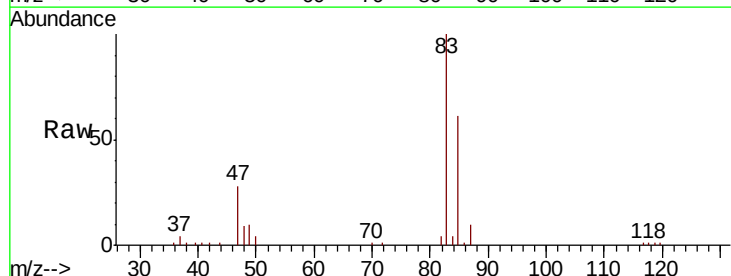
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

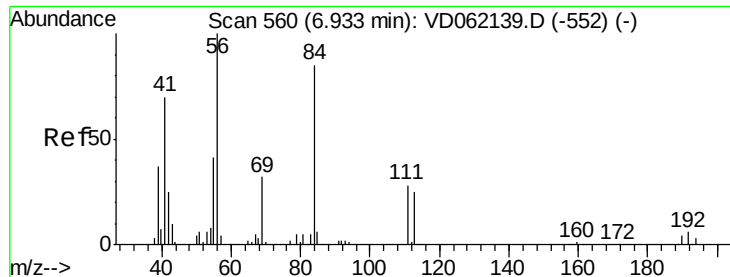
Tgt Ion: 42 Resp: 53464
Ion Ratio Lower Upper
42 100
72 43.8 37.8 56.6
71 44.1 36.7 55.1



#30
Chloroform
Concen: 18.673 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 83 Resp: 193460
Ion Ratio Lower Upper
83 100
85 60.7 51.7 77.5

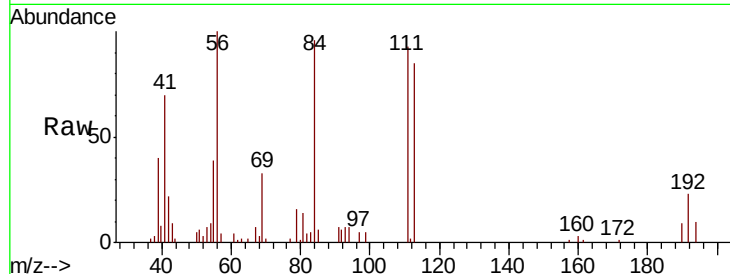




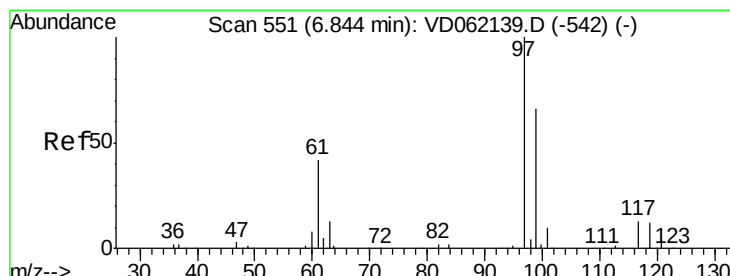
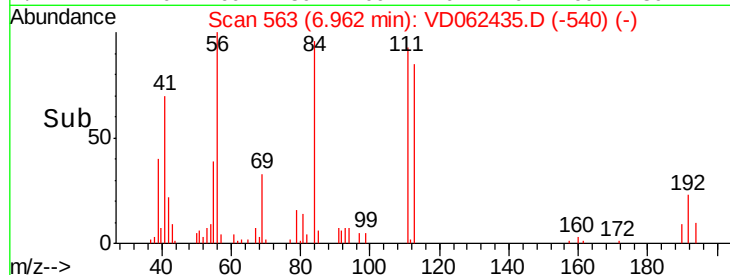
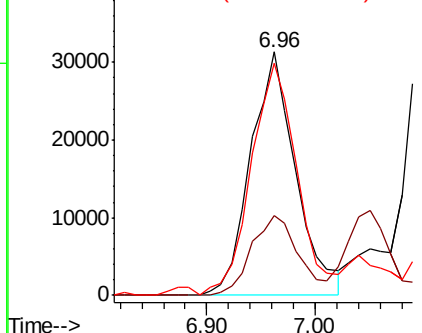
#31
Cyclohexane
Concen: 15.430 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

Tgt Ion: 56 Resp: 90879
Ion Ratio Lower Upper
56 100
69 32.7 25.8 38.6
84 95.5 72.2 108.4

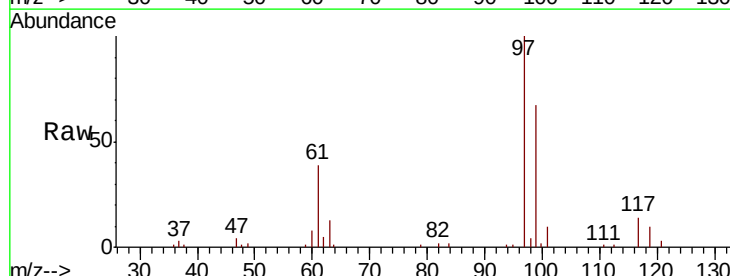


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

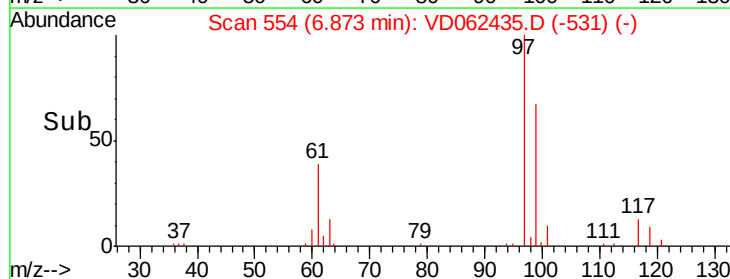
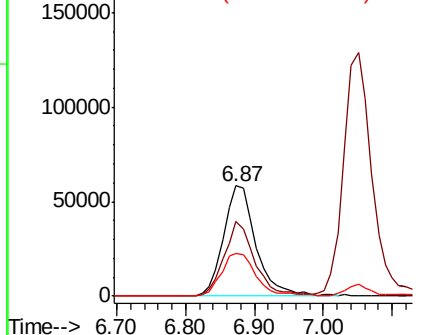


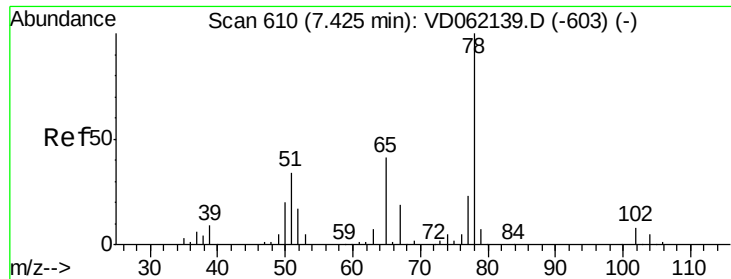
#32
1,1,1-Trichloroethane
Concen: 19.437 ug/l
RT: 6.87 min Scan# 554
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 97 Resp: 190338
Ion Ratio Lower Upper
97 100
99 67.2 52.2 78.2
61 38.7 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

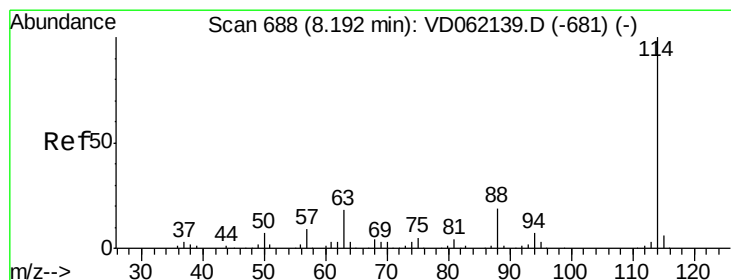
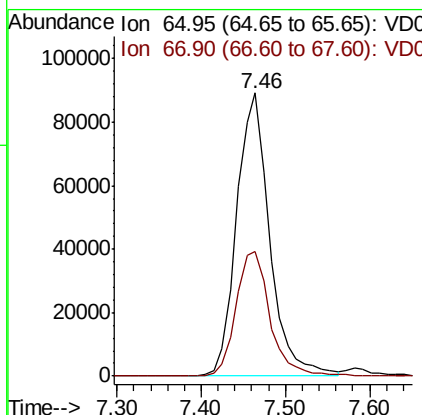
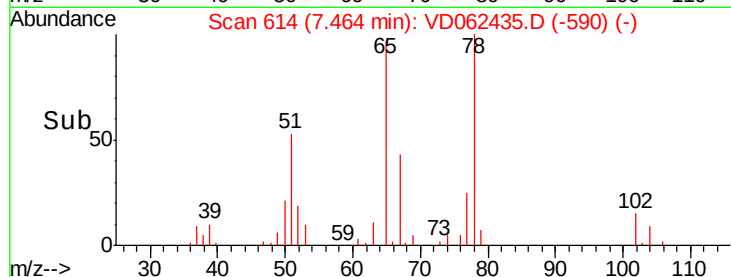
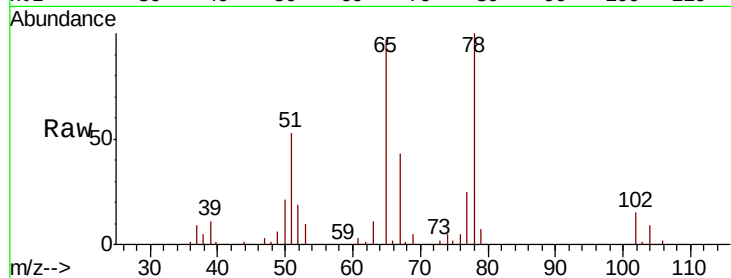




#33
 1,2-Dichloroethane-d4
 Concen: 43.460 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

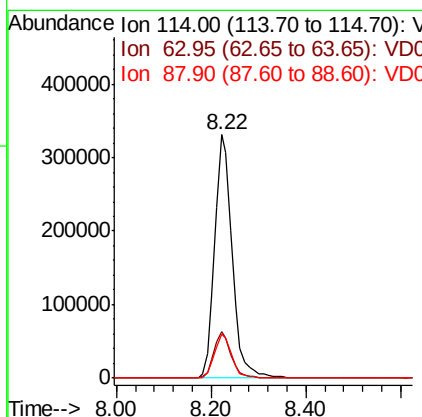
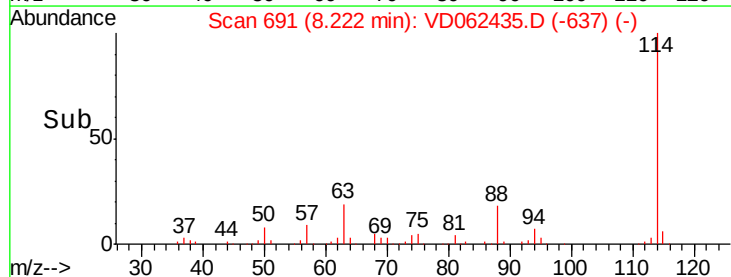
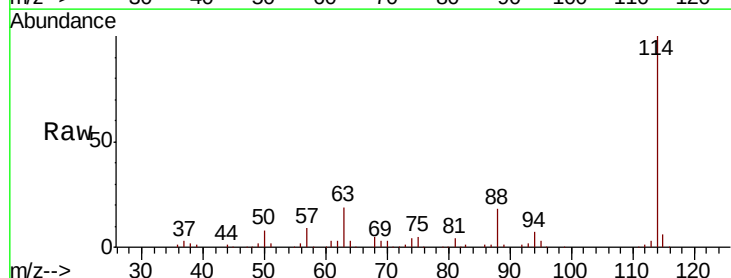
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

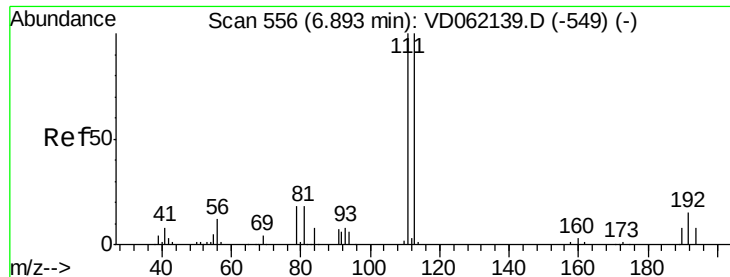
Tgt Ion: 65 Resp: 243962
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 114 Resp: 848225
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 32.4
 88 18.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 41.508 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

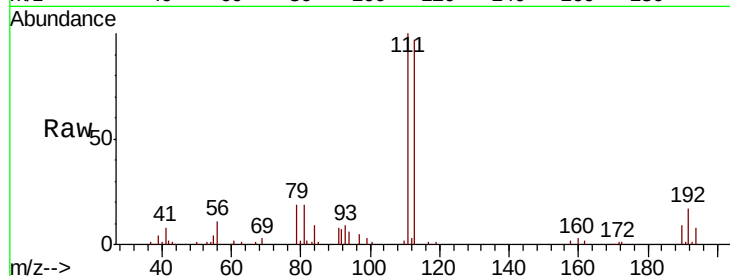
Tgt Ion:113 Resp: 292127

Ion Ratio Lower Upper

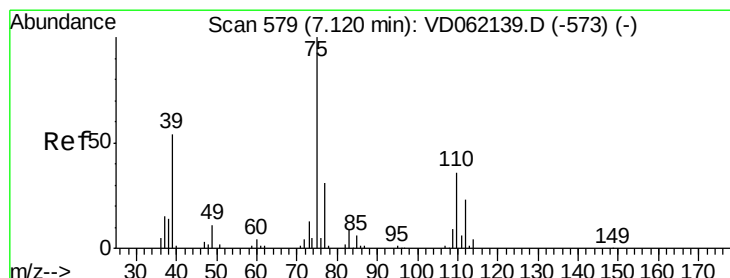
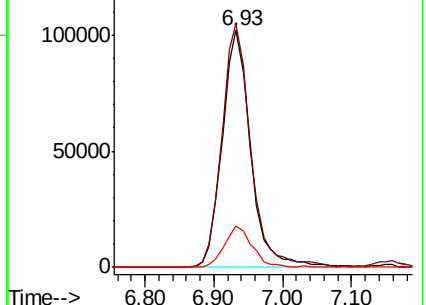
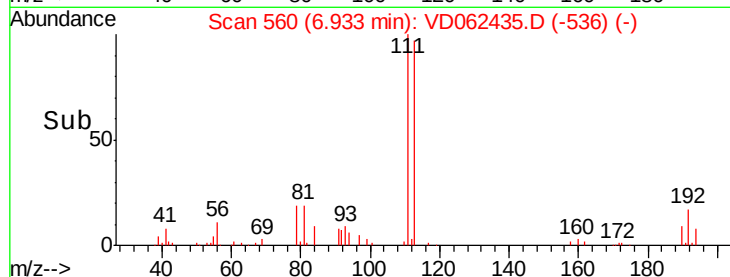
113 100

111 102.9 78.5 117.7

192 17.5 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: 18.024 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

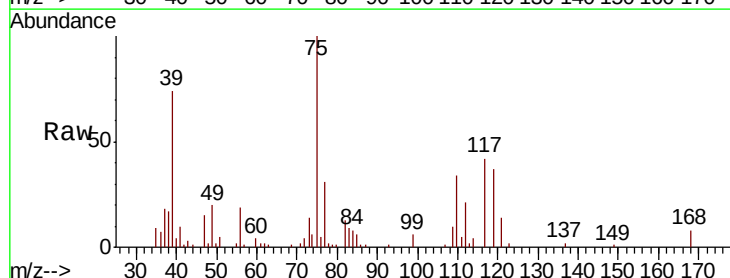
Tgt Ion: 75 Resp: 125348

Ion Ratio Lower Upper

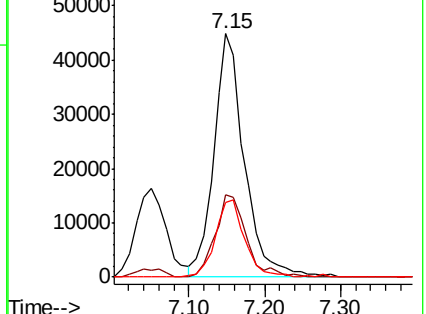
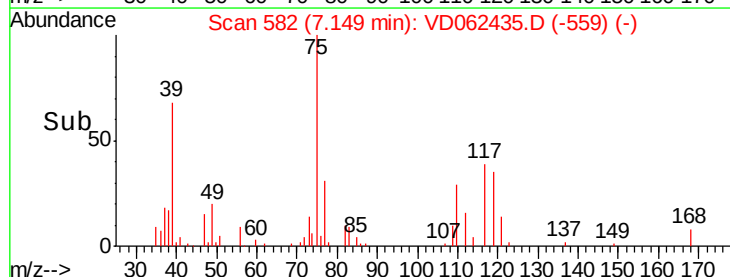
75 100

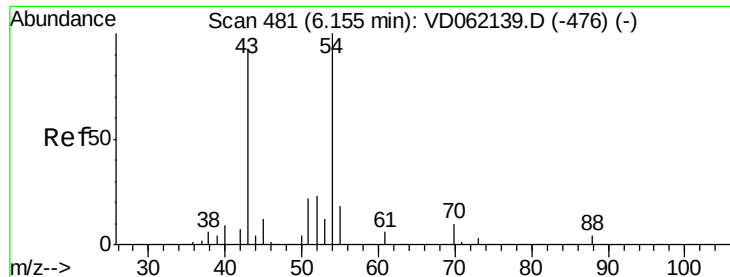
110 34.0 19.1 57.1

77 30.6 25.6 38.4



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

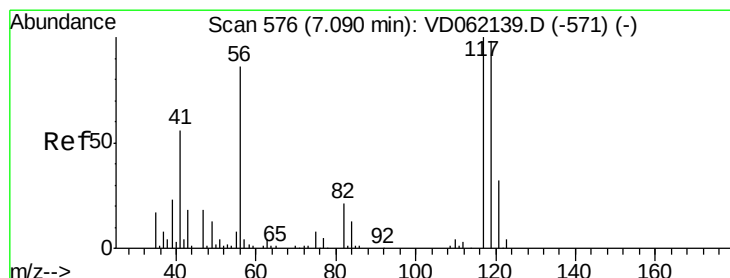
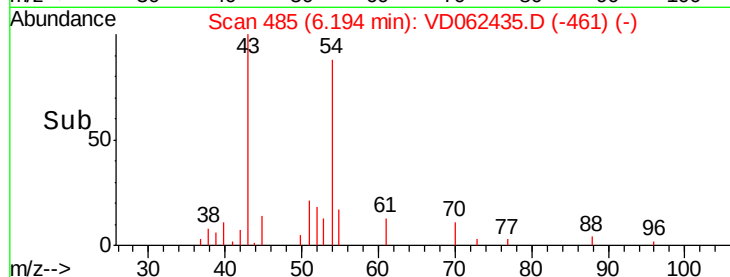
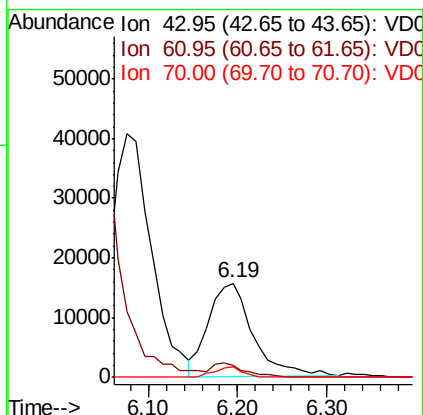
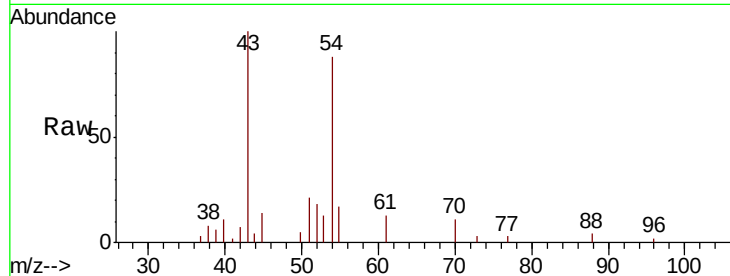




#37
Ethyl Acetate
Concen: 18.278 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

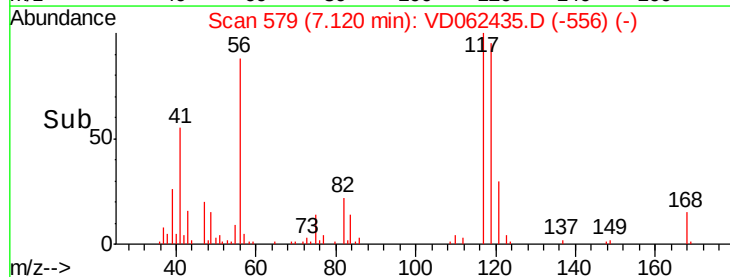
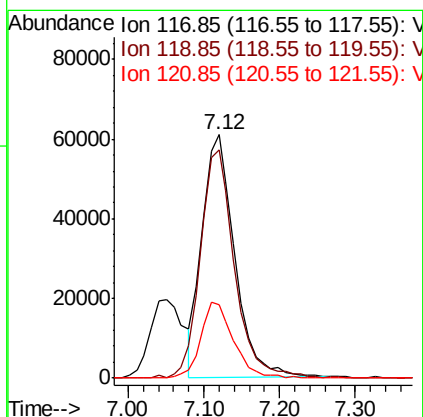
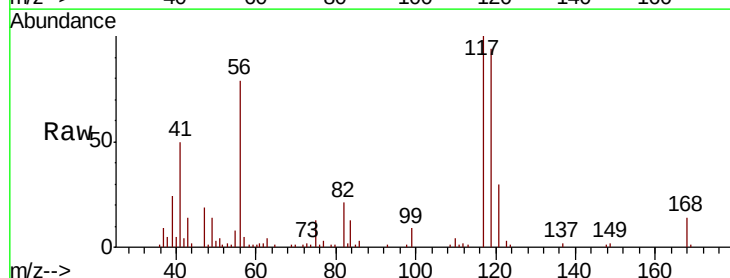
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

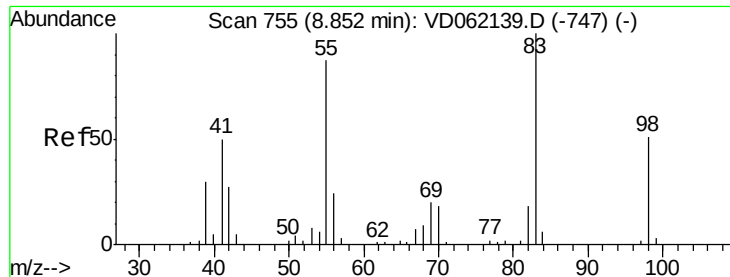
Tgt Ion: 43 Resp: 53909
Ion Ratio Lower Upper
43 100
61 12.6 14.7 22.1#
70 10.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 18.999 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 117 Resp: 182877
Ion Ratio Lower Upper
117 100
119 93.7 75.8 113.8
121 30.1 25.9 38.9

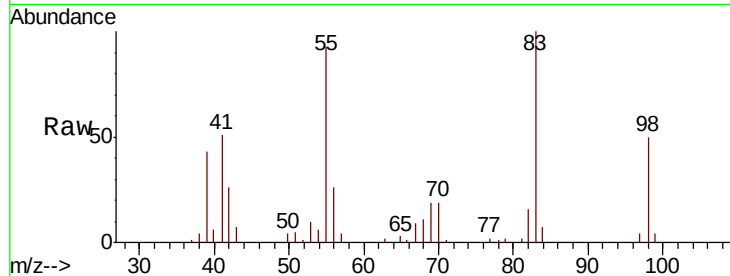




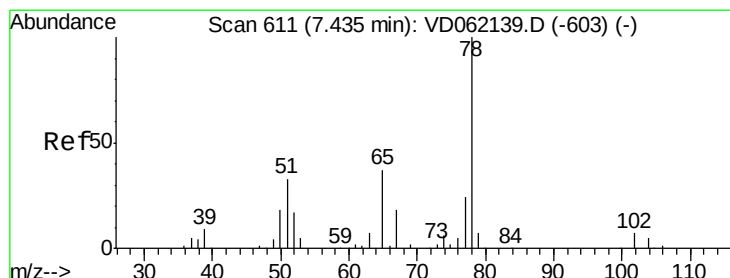
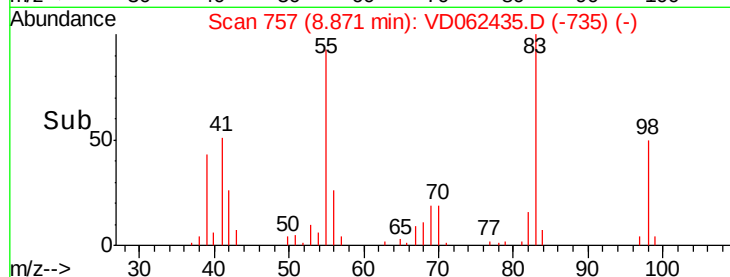
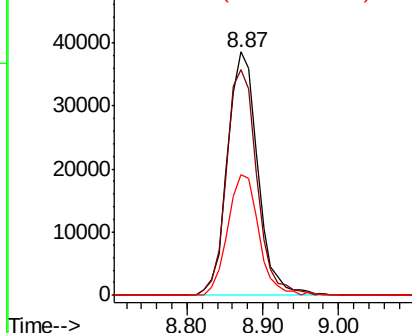
#39
Methylcyclohexane
Concen: 15.994 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tgt Ion: 83 Resp: 106573
Ion Ratio Lower Upper
83 100
55 92.7 68.2 102.4
98 49.8 38.2 57.4

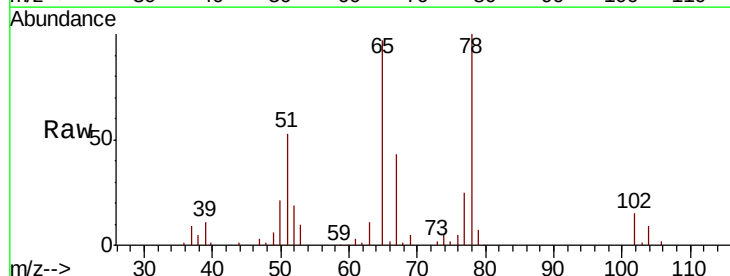


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

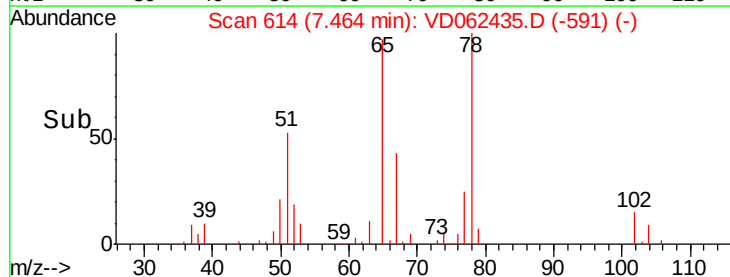
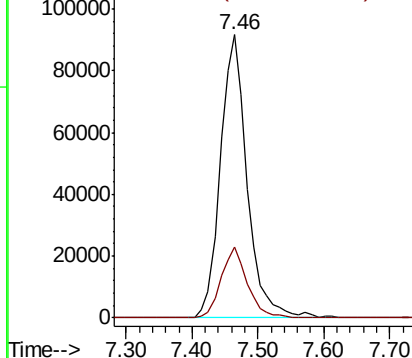


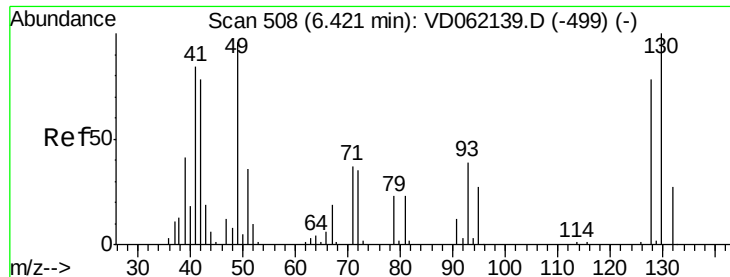
#40
Benzene
Concen: 16.498 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 78 Resp: 259091
Ion Ratio Lower Upper
78 100
77 25.0 19.7 29.5



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

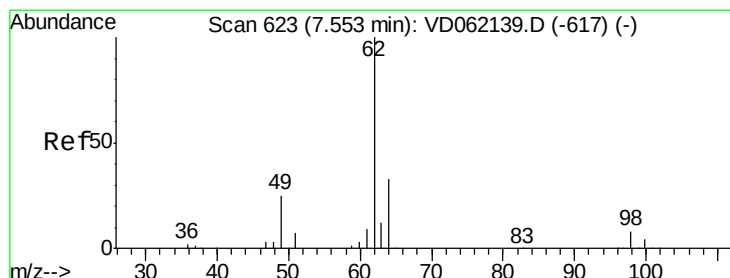
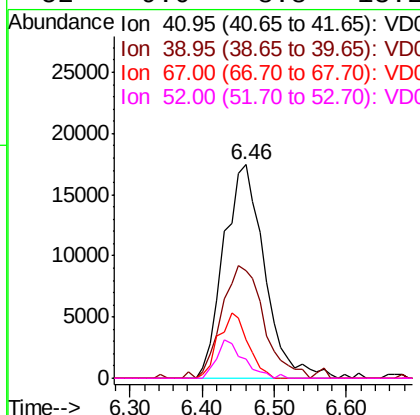
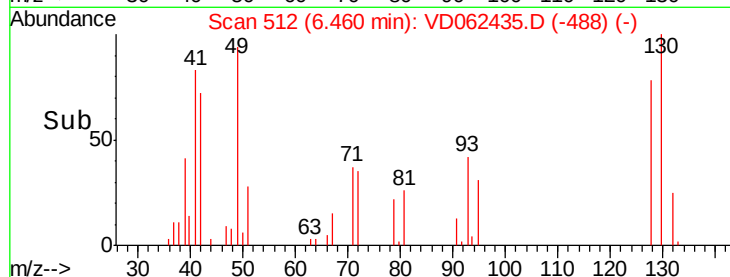
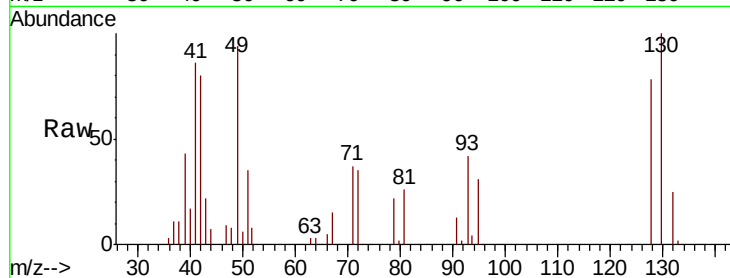




#41
Methacrylonitrile
Concen: 19.025 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

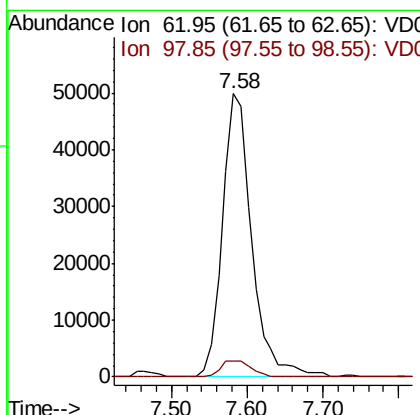
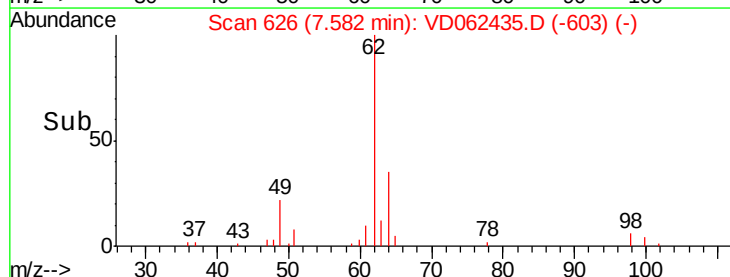
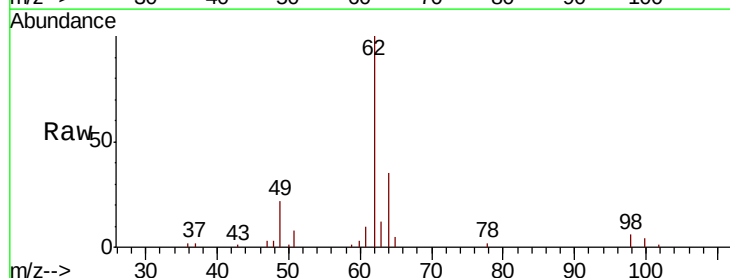
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

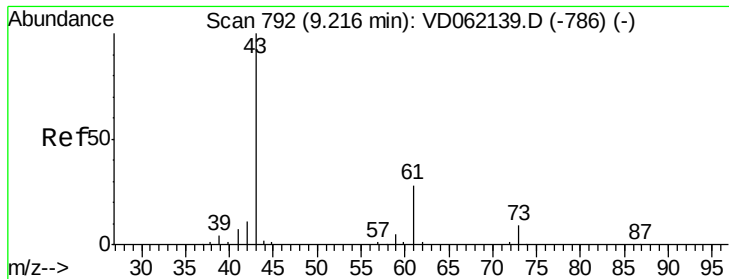
Tgt Ion: 41 Resp: 68572
Ion Ratio Lower Upper
41 100
39 50.3 34.1 51.1
67 17.7 23.8 35.6#
52 9.0 8.8 13.2



#42
1,2-Dichloroethane
Concen: 19.955 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 62 Resp: 132776
Ion Ratio Lower Upper
62 100
98 5.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 17.444 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

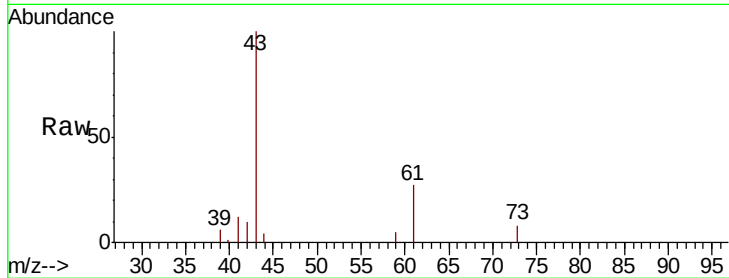
Tgt Ion: 43 Resp: 72967

Ion Ratio Lower Upper

43 100

61 27.2 25.1 37.7

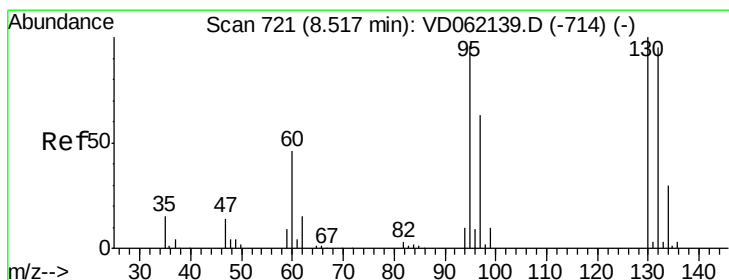
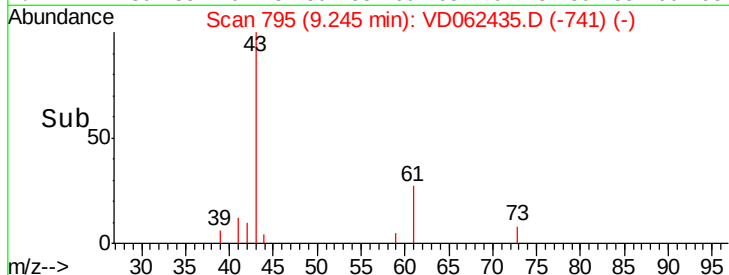
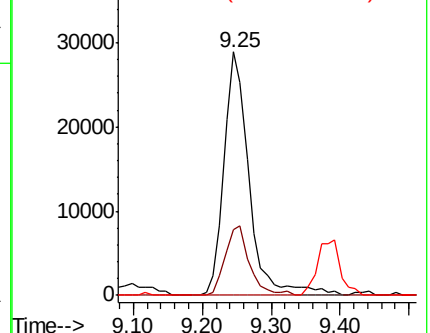
87 0.0 0.0 0.0



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: 16.832 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062435.D

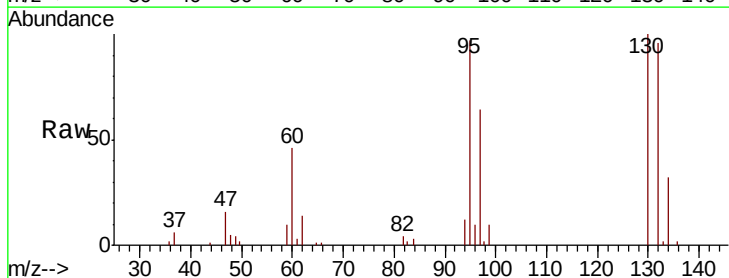
Acq: 17 May 2019 13:16

Tgt Ion: 130 Resp: 100727

Ion Ratio Lower Upper

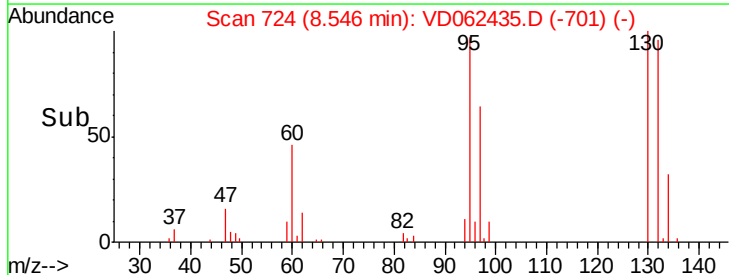
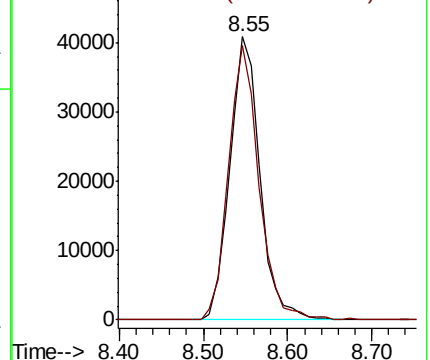
130 100

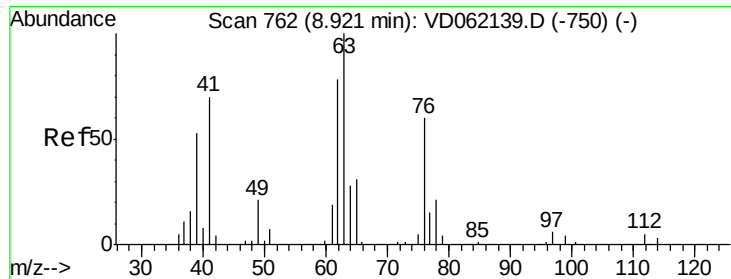
95 97.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

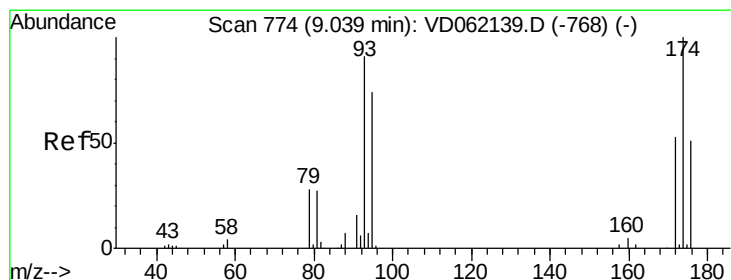
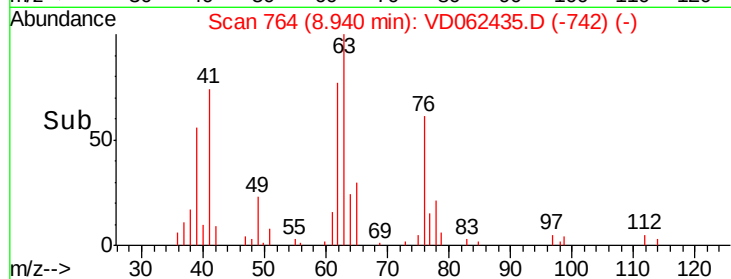
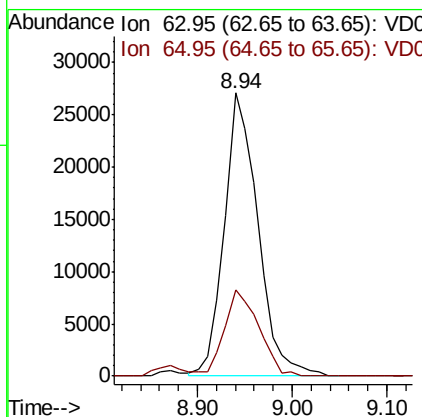
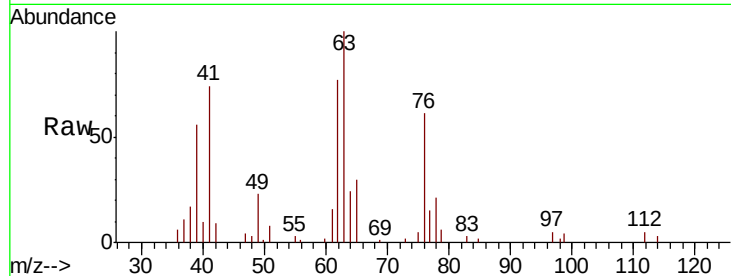




#45
 1,2-Dichloropropane
 Concen: 17.159 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

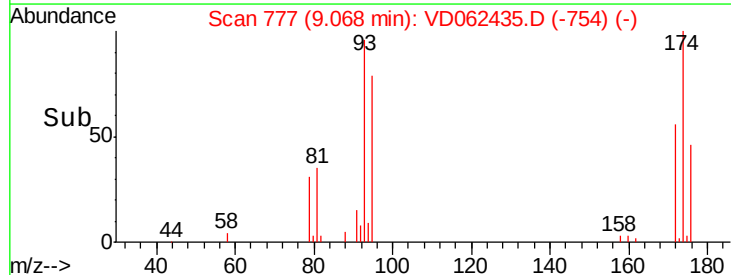
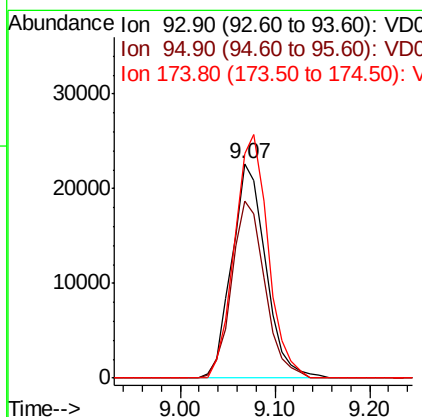
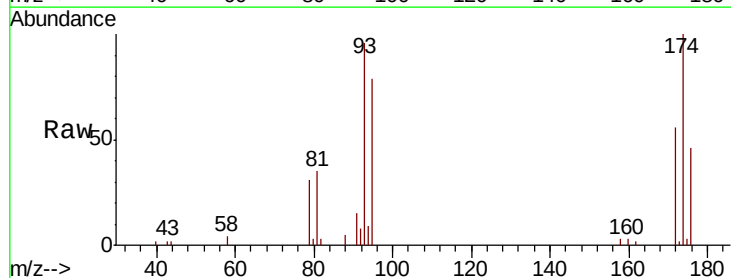
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

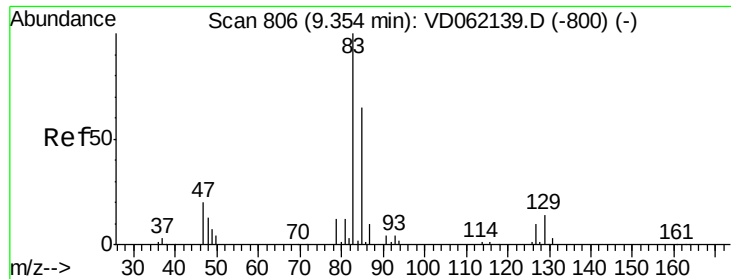
Tgt Ion: 63 Resp: 66654
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.8 35.6



#46
 Dibromomethane
 Concen: 17.768 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 93 Resp: 56127
 Ion Ratio Lower Upper
 93 100
 95 82.4 64.8 97.2
 174 104.4 79.3 118.9





#47

Bromodichloromethane

Concen: 19.526 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

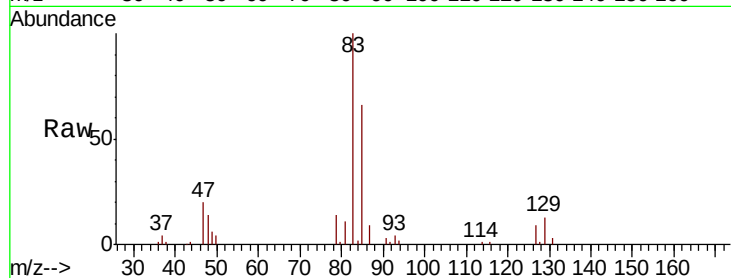
Tgt Ion: 83 Resp: 150870

Ion Ratio Lower Upper

83 100

85 65.5 50.9 76.3

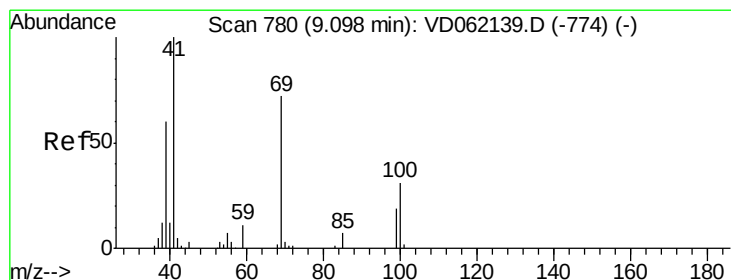
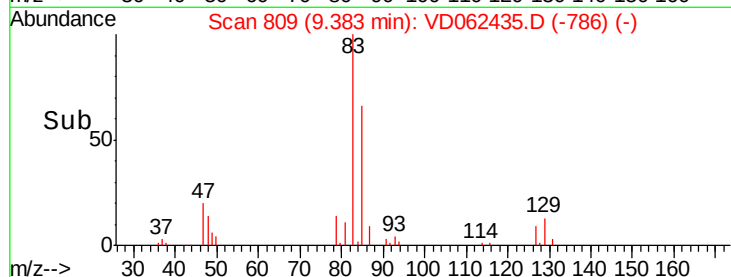
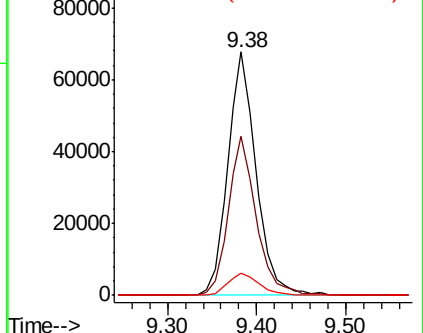
127 9.3 8.1 12.1



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: 19.625 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

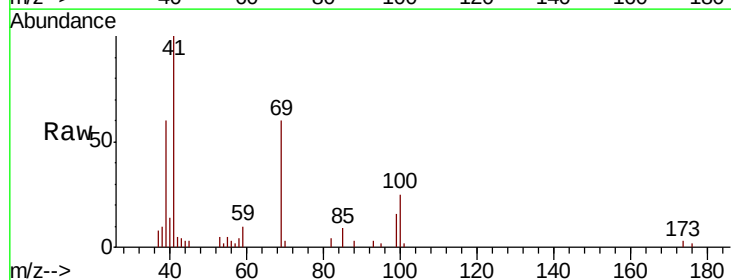
Tgt Ion: 41 Resp: 50562

Ion Ratio Lower Upper

41 100

69 59.8 64.2 96.2#

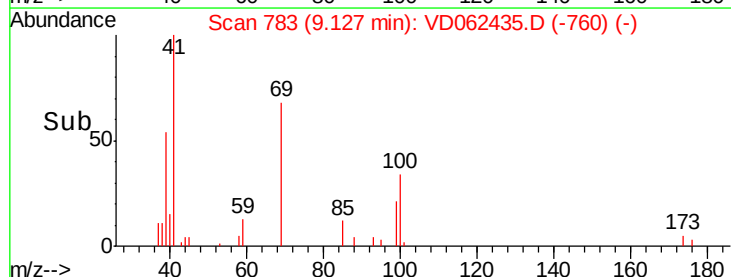
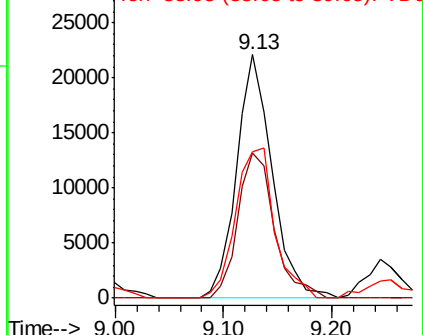
39 60.1 46.8 70.2

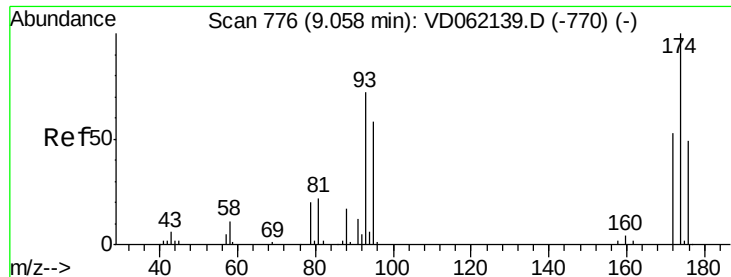


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

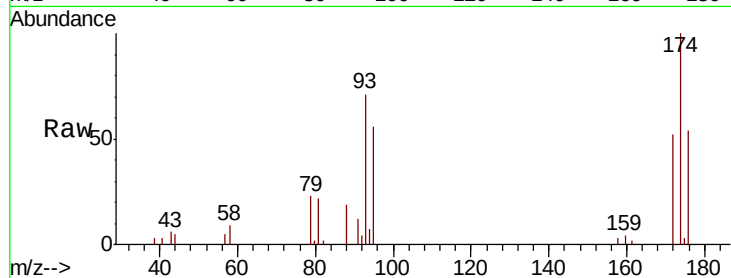




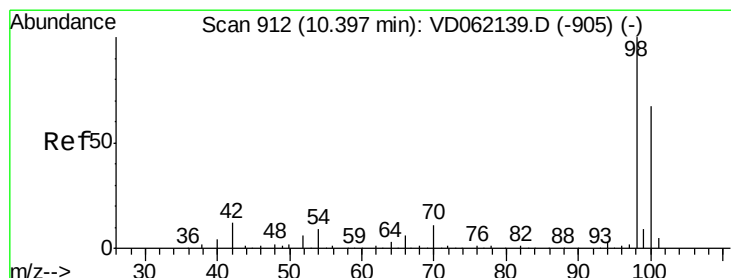
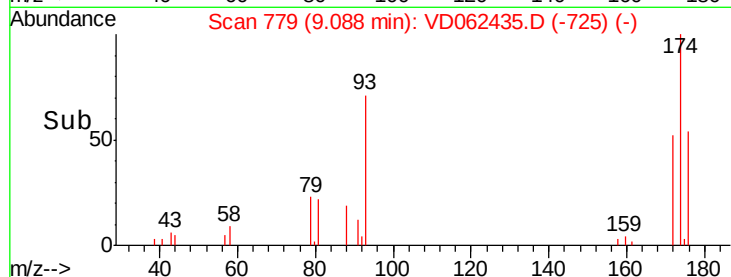
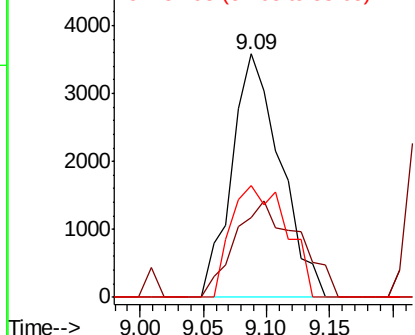
#49
 1,4-Dioxane
 Concen: 344.438 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Tgt Ion: 88 Resp: 9575
 Ion Ratio Lower Upper
 88 100
 43 33.0 23.4 35.0
 58 45.9 44.0 66.0

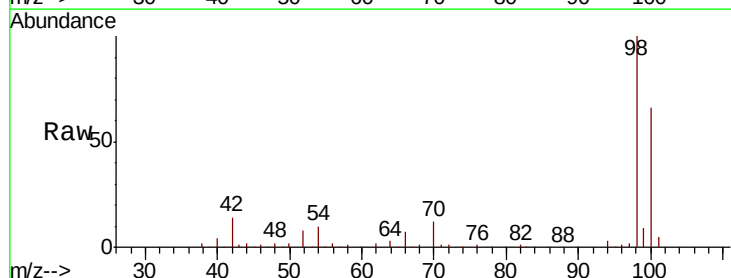


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

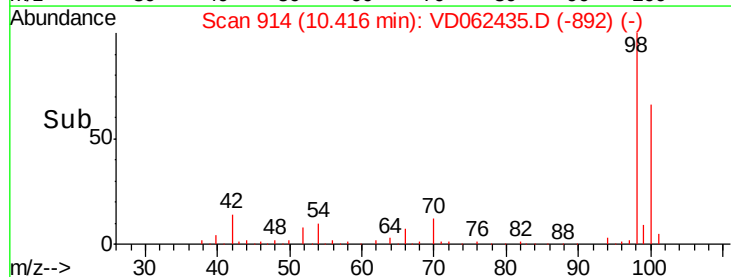
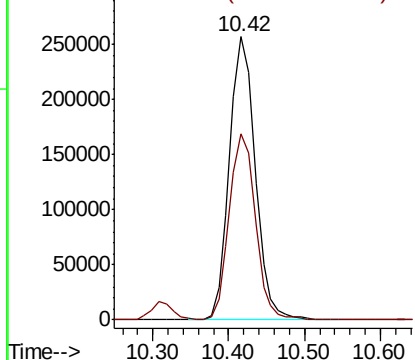


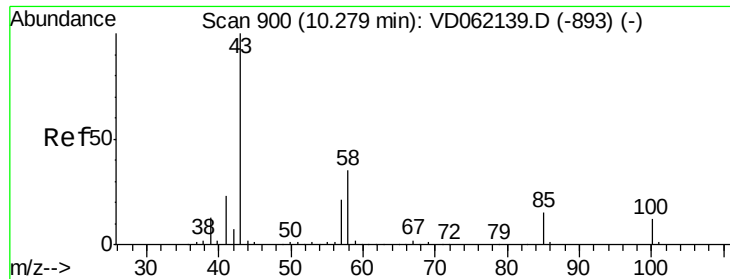
#50
 Toluene-d8
 Concen: 35.796 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 98 Resp: 607414
 Ion Ratio Lower Upper
 98 100
 100 65.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC

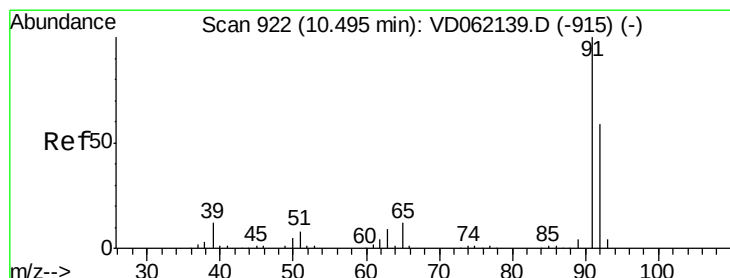
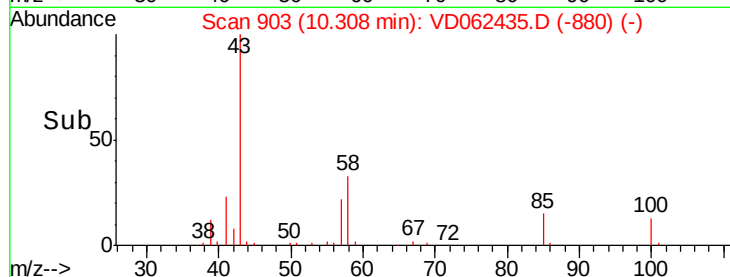
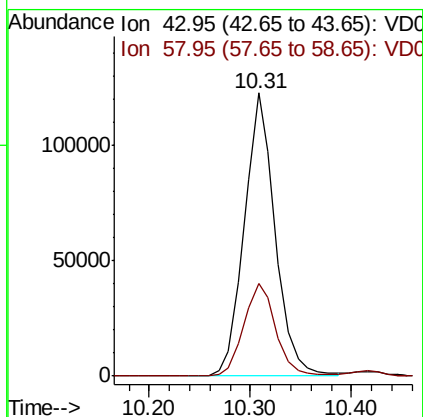
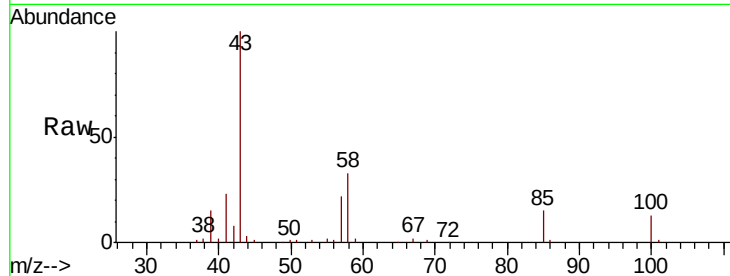




#51
 4-Methyl-2-Pentanone
 Concen: 97.124 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.03 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

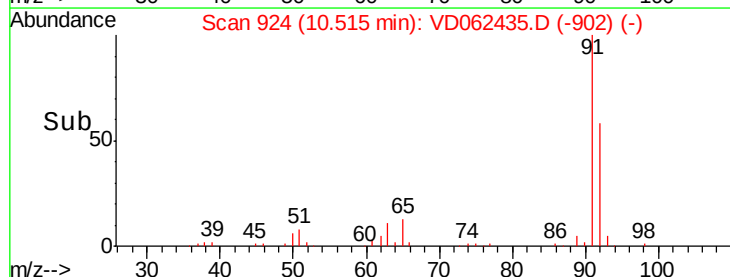
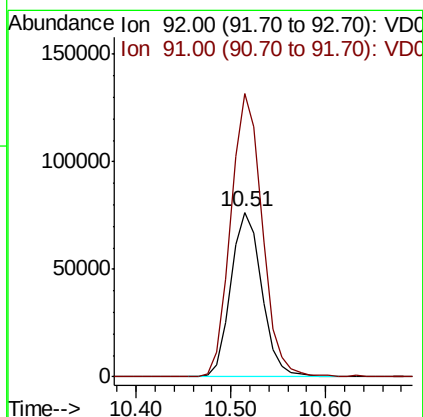
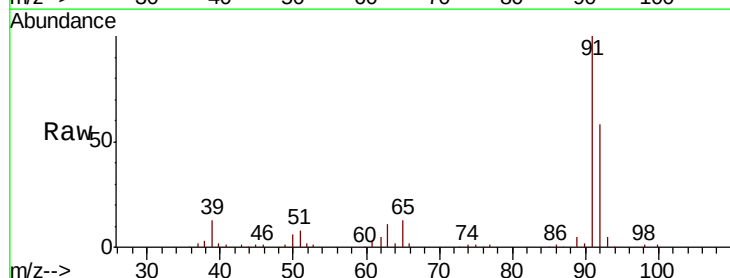
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

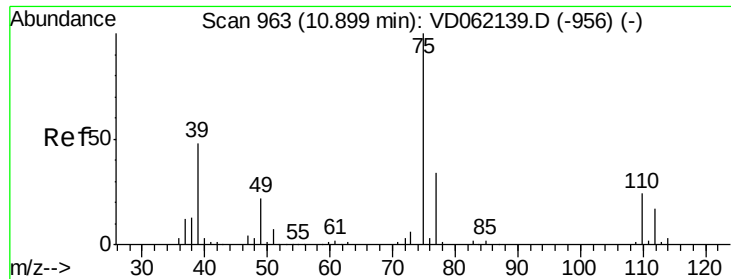
Tgt Ion: 43 Resp: 261144
 Ion Ratio Lower Upper
 43 100
 58 32.8 30.4 45.6



#52
 Toluene
 Concen: 16.945 ug/l
 RT: 10.51 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 92 Resp: 173140
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.6 204.8

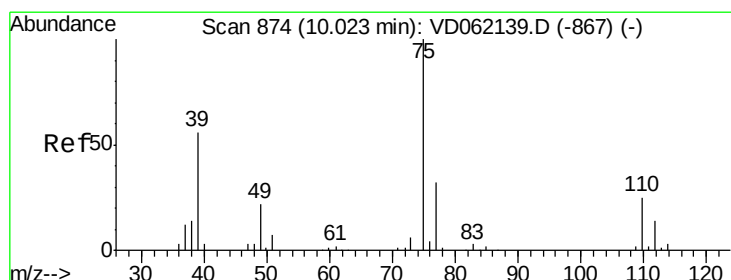
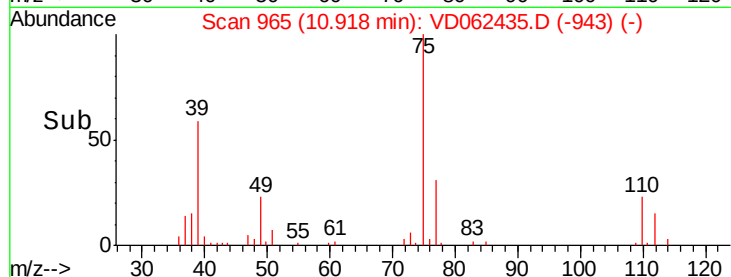
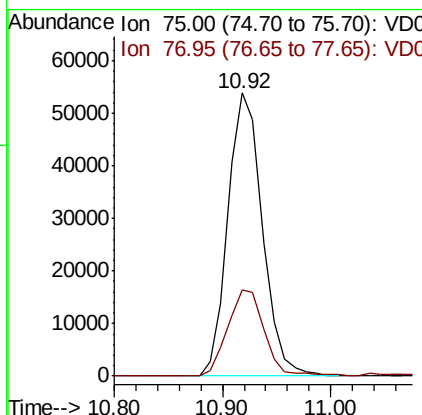
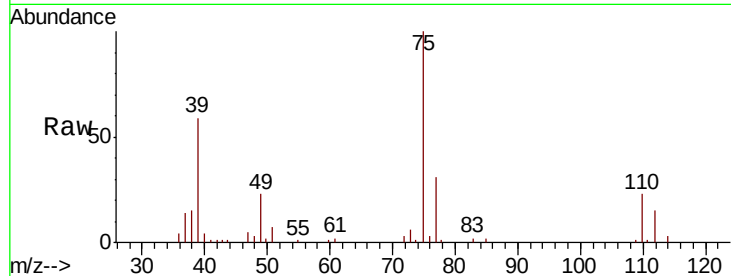




#53
 t-1,3-Dichloropropene
 Concen: 17.842 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

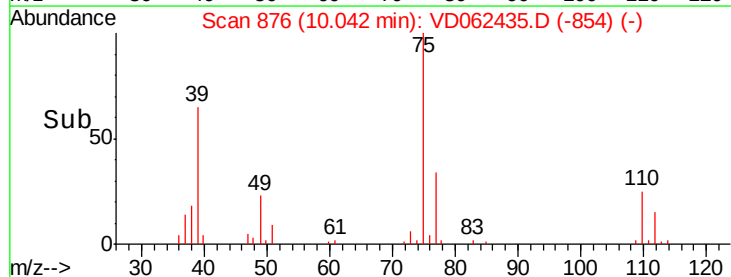
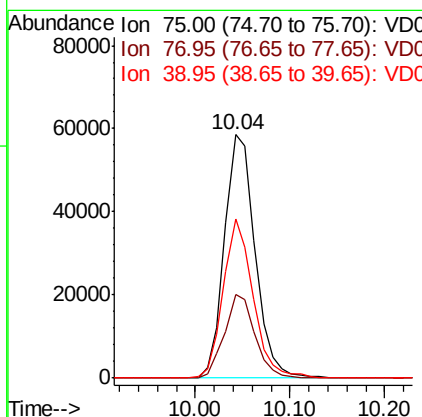
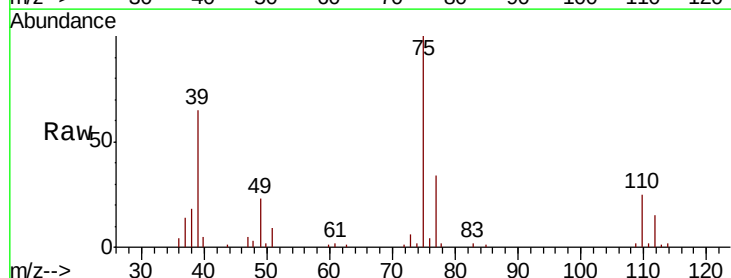
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

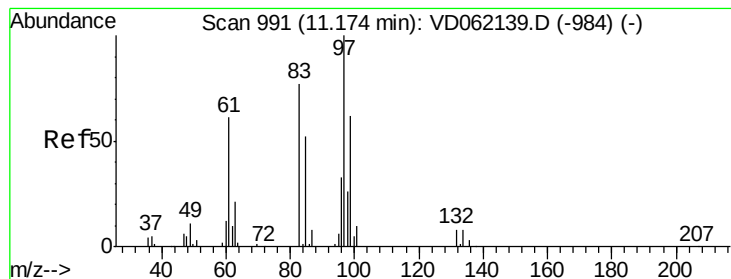
Tgt Ion: 75 Resp: 119148
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.024 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 75 Resp: 131309
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.5 38.3
 39 65.2 39.4 59.2#





#55

1,1,2-Trichloroethane

Concen: 18.862 ug/l

RT: 11.19 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBSD01

Tgt Ion: 97 Resp: 68191

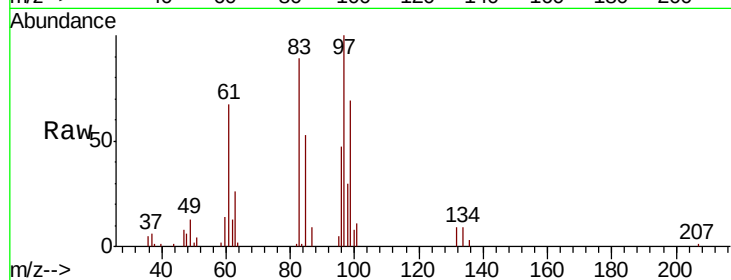
Ion Ratio Lower Upper

97 100

83 90.1 65.7 98.5

85 53.0 45.6 68.4

99 68.5 48.4 72.6

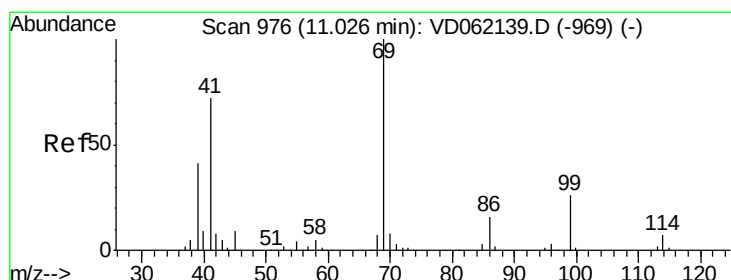
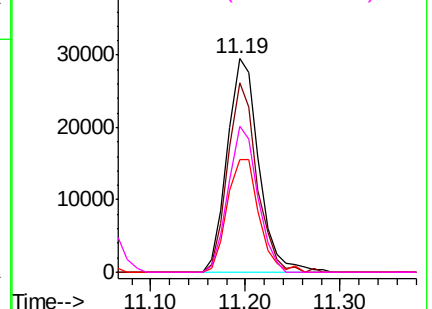
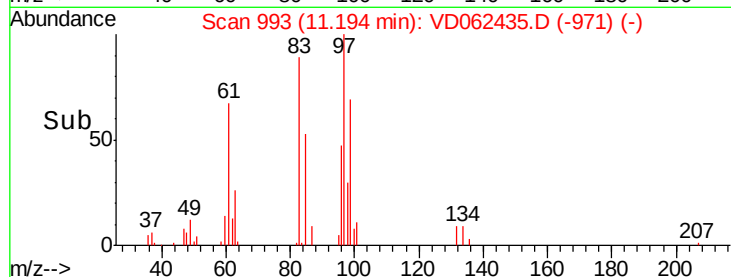


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.005 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

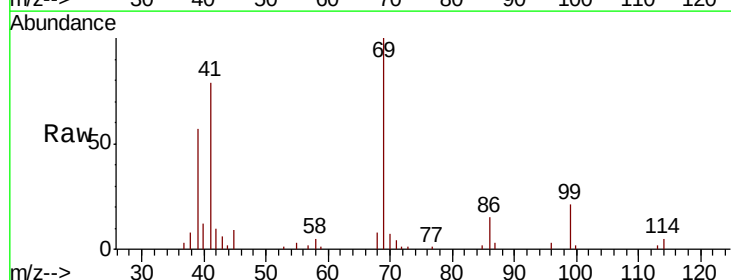
Tgt Ion: 69 Resp: 71398

Ion Ratio Lower Upper

69 100

41 79.5 56.3 84.5

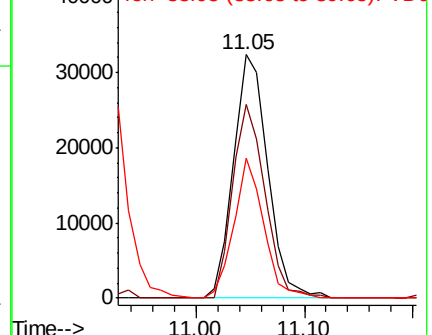
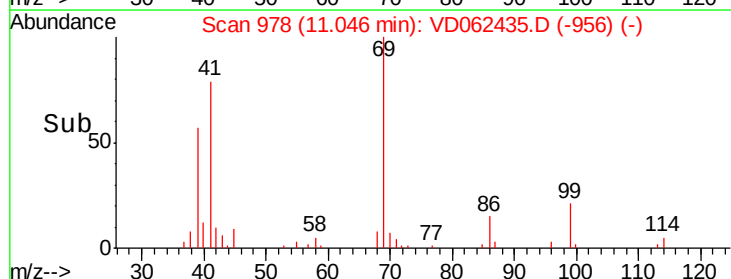
39 57.4 29.4 44.2#

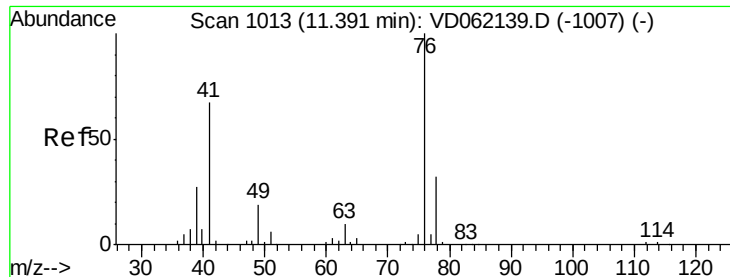


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.917 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

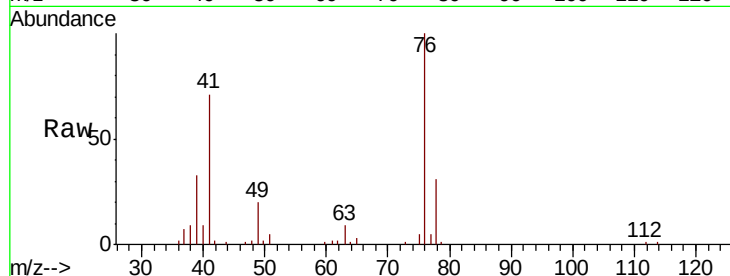
VD0517SBSD01

Tgt Ion: 76 Resp: 103323

Ion Ratio Lower Upper

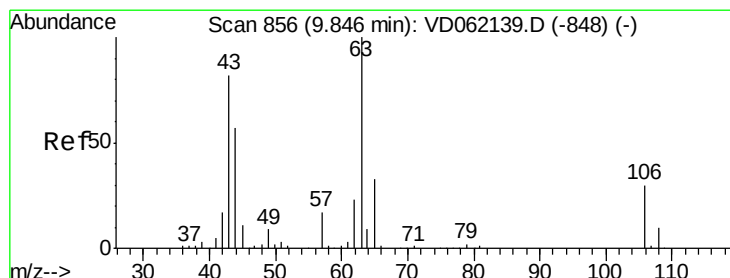
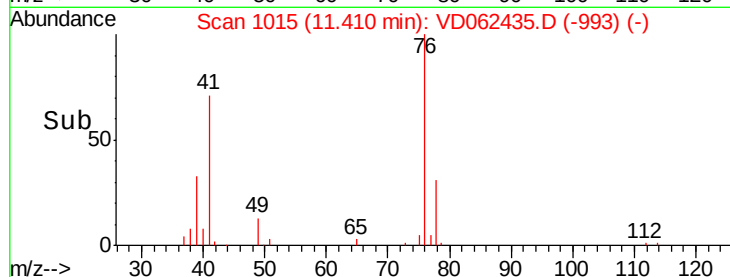
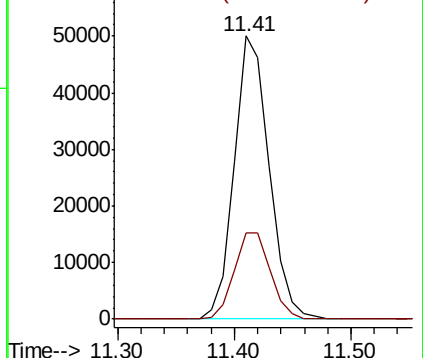
76 100

78 30.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.210 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062435.D

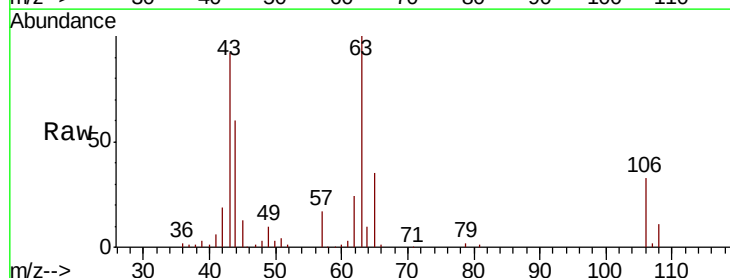
Acq: 17 May 2019 13:16

Tgt Ion: 63 Resp: 226166

Ion Ratio Lower Upper

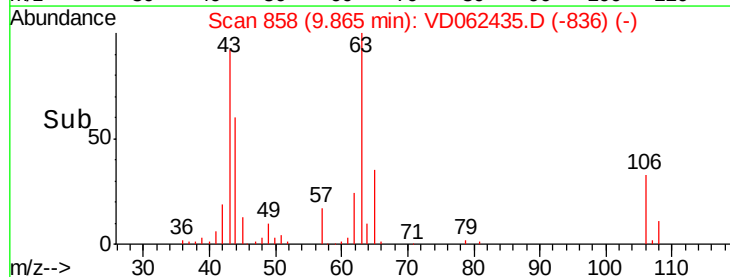
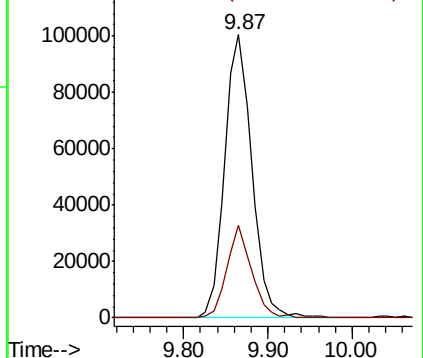
63 100

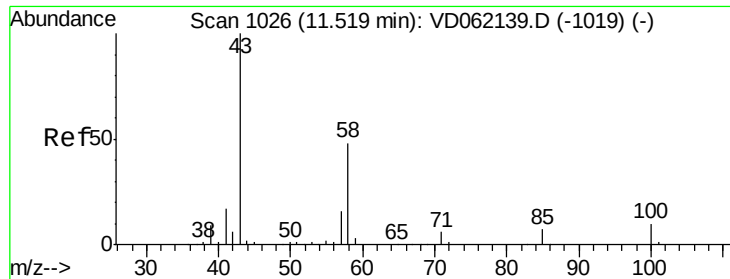
106 32.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

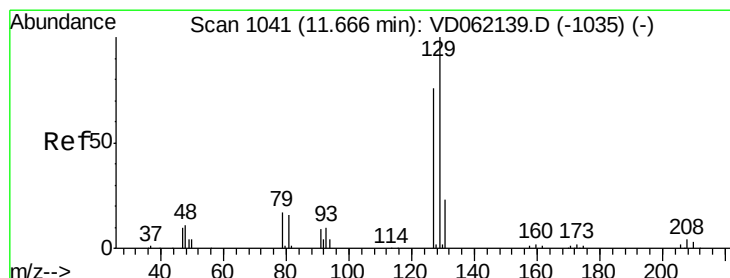
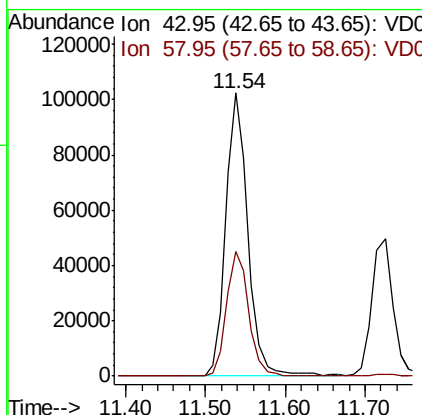
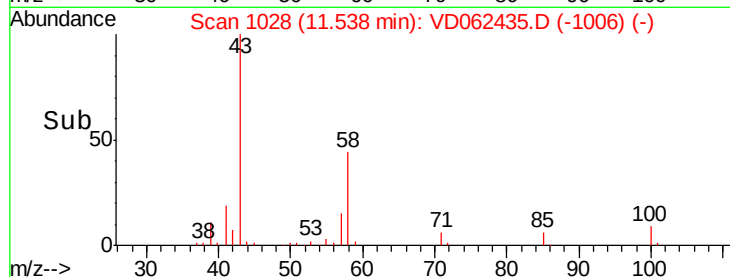
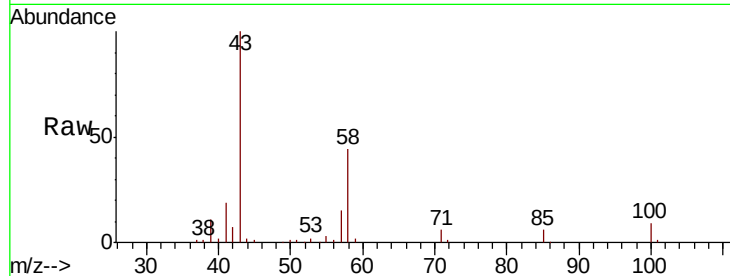




#59
2-Hexanone
Concen: 100.825 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

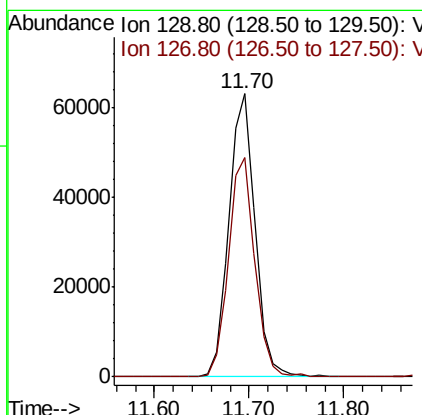
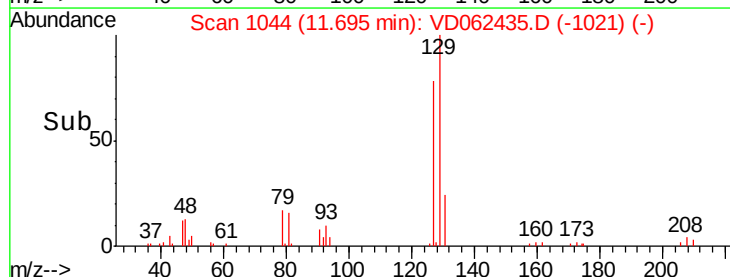
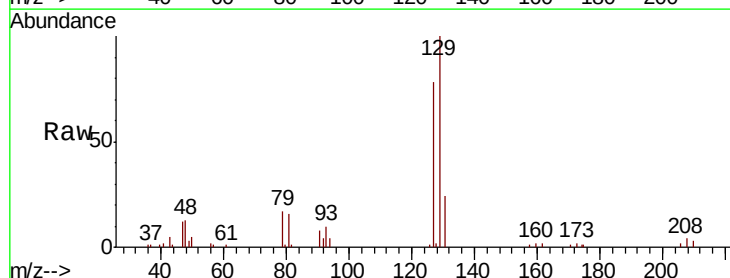
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

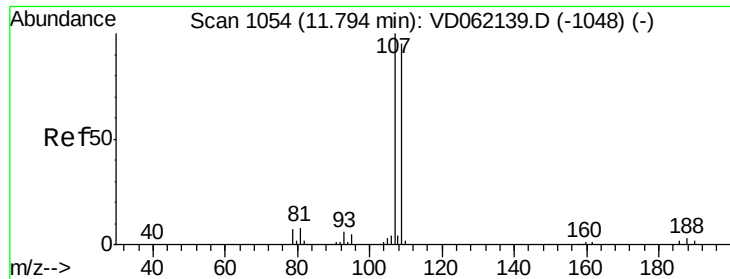
Tgt Ion: 43 Resp: 199809
Ion Ratio Lower Upper
43 100
58 44.2 25.4 76.4



#60
Dibromochloromethane
Concen: 19.245 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 129 Resp: 120243
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9

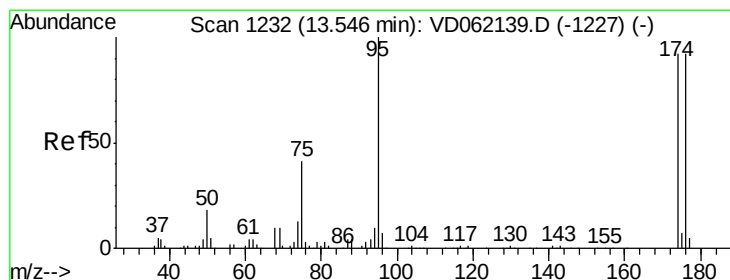
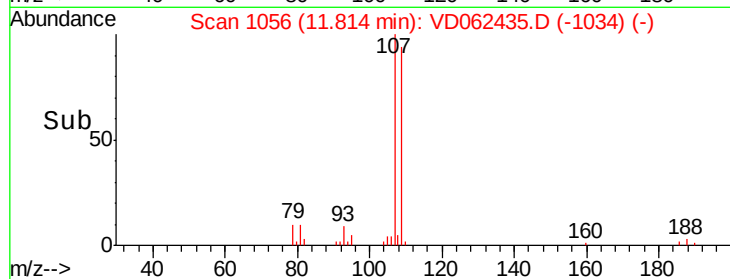
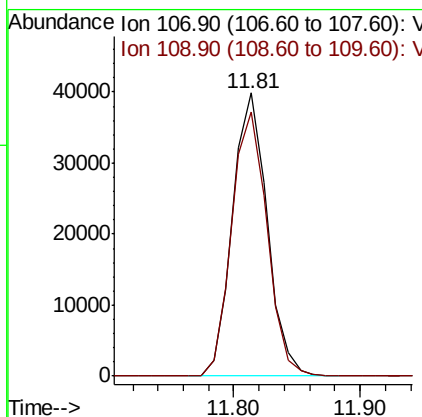
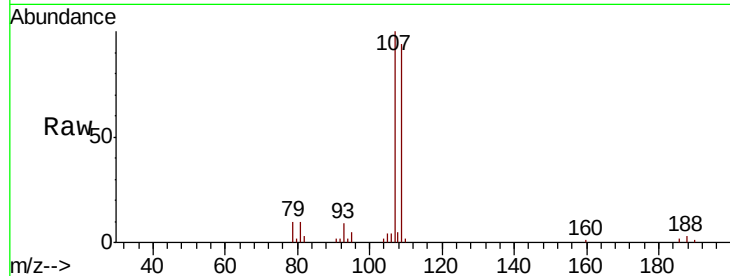




#61
 1,2-Dibromoethane
 Concen: 17.182 ug/l
 RT: 11.81 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

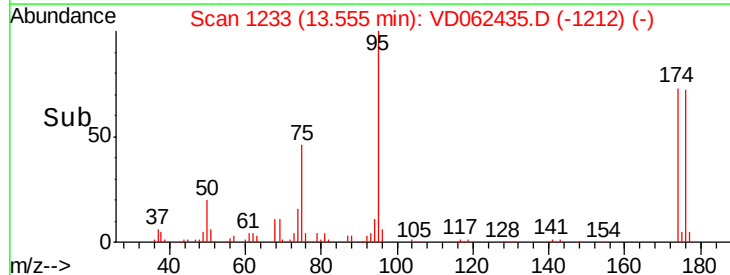
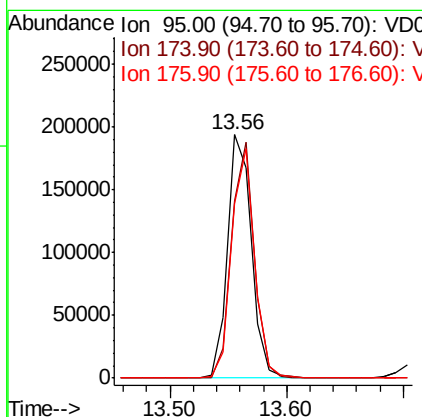
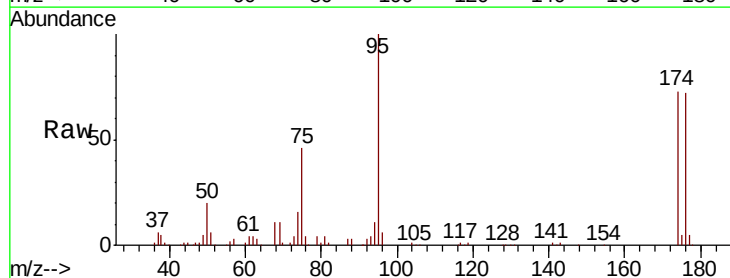
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

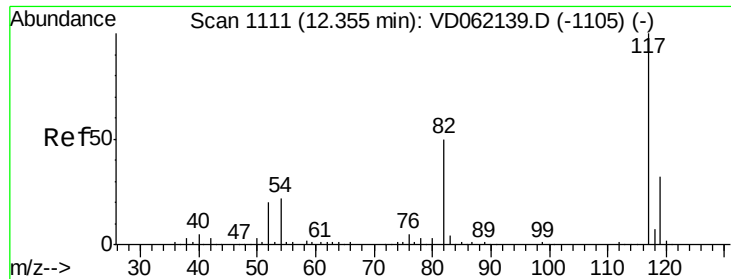
Tgt Ion: 107 Resp: 75522
 Ion Ratio Lower Upper
 107 100
 109 93.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 40.444 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 95 Resp: 275588
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 181.8
 176 71.6 0.0 174.4

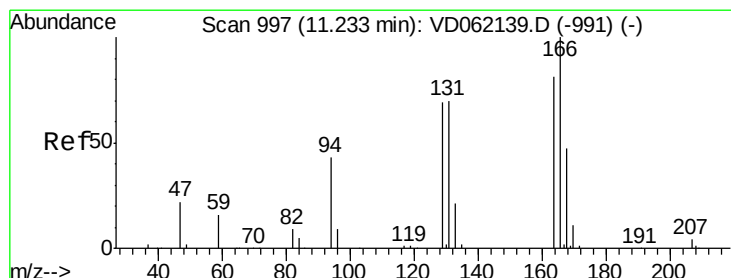
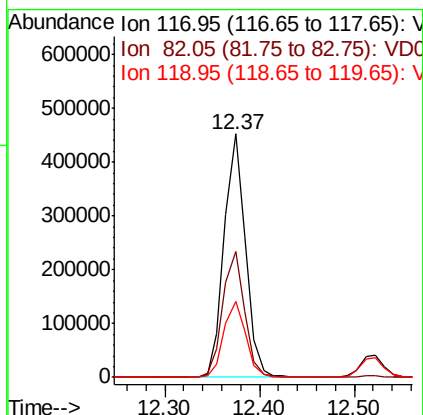
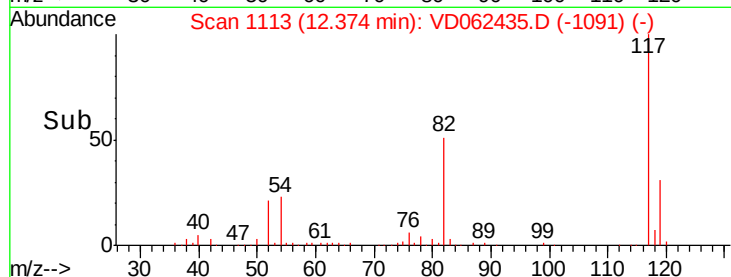
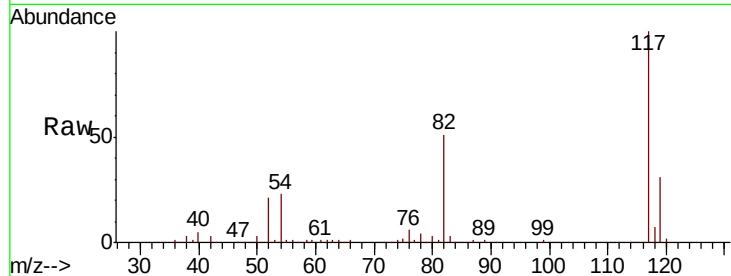




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

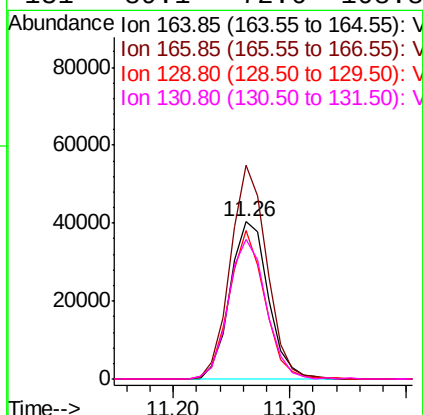
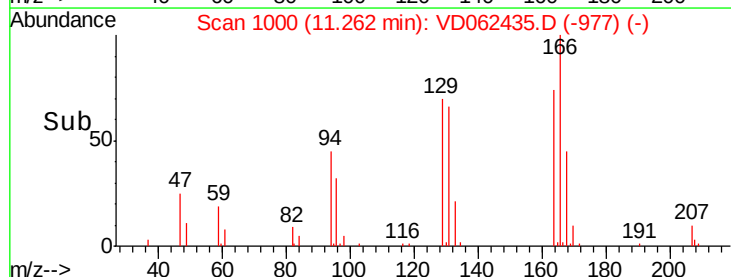
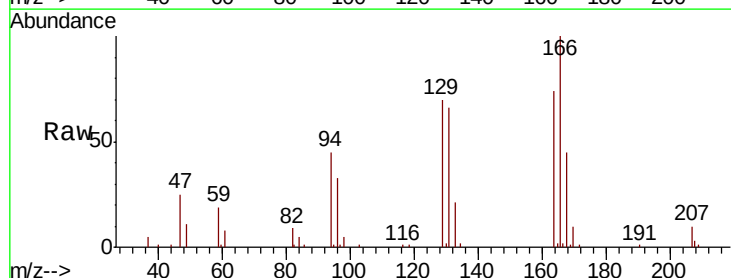
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

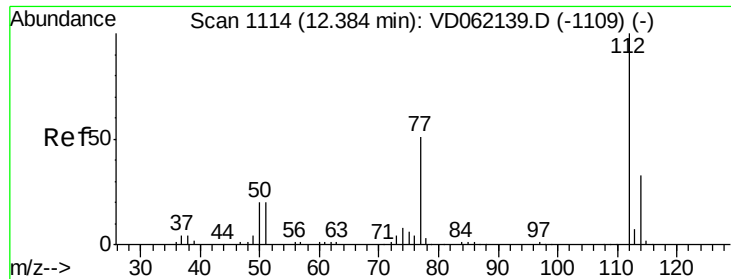
Tgt Ion:117 Resp: 709653
Ion Ratio Lower Upper
117 100
82 51.4 36.2 54.2
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 16.544 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion:164 Resp: 91807
Ion Ratio Lower Upper
164 100
166 136.0 101.5 152.3
129 94.7 74.6 112.0
131 89.1 72.6 108.8

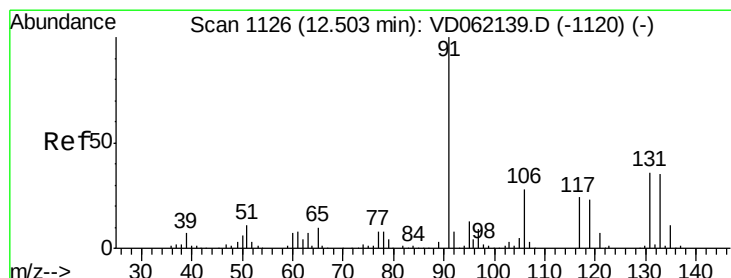
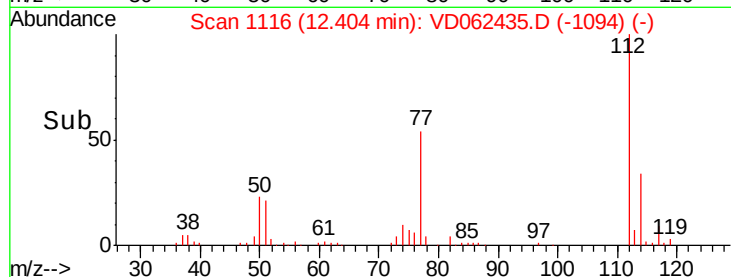
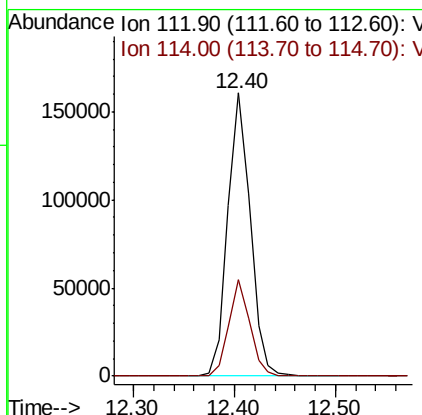
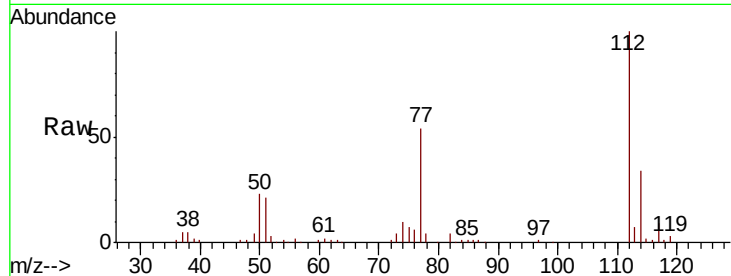




#65
Chlorobenzene
Concen: 18.854 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

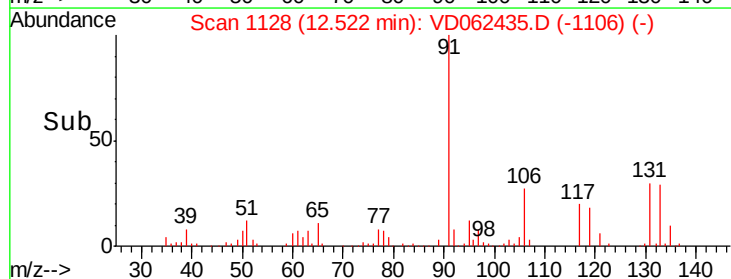
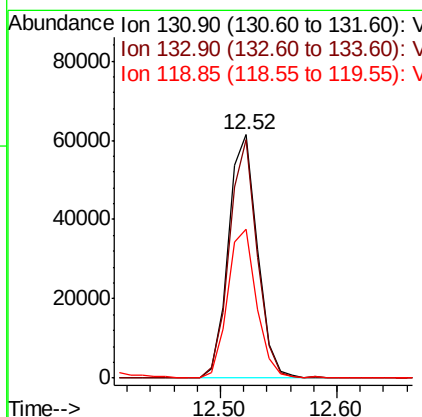
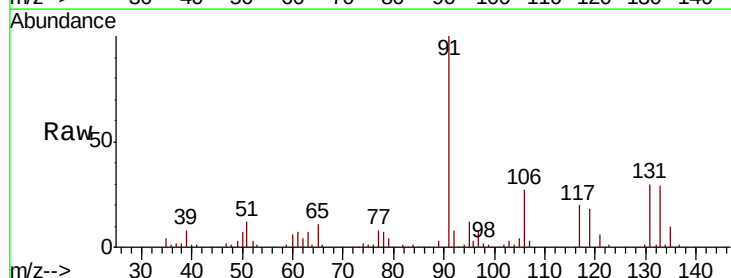
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

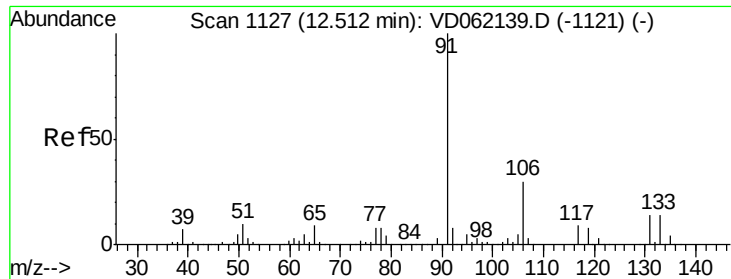
Tgt Ion:112 Resp: 249201
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.392 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion:131 Resp: 105800
Ion Ratio Lower Upper
131 100
133 97.7 48.6 145.8
119 61.0 34.7 104.1

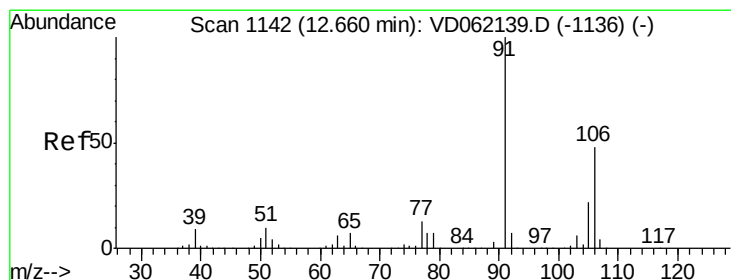
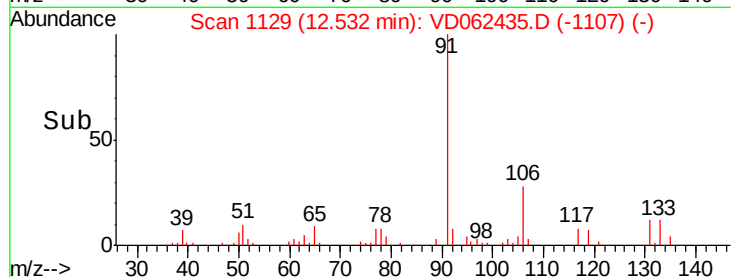
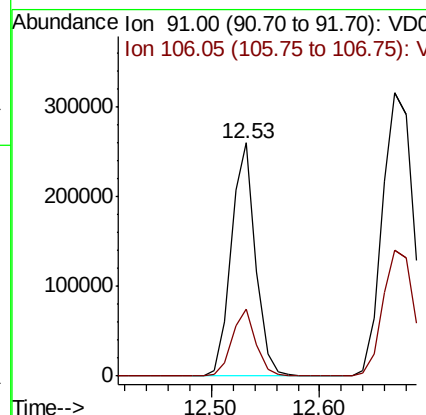
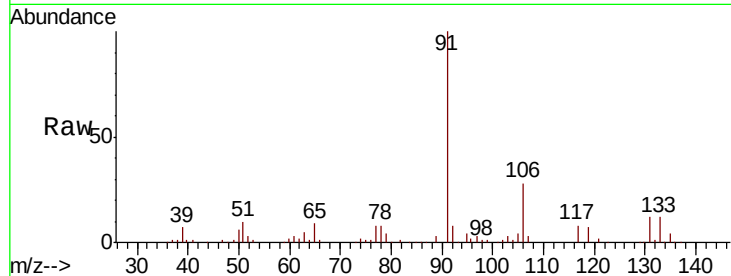




#67
Ethyl Benzene
Concen: 18.234 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

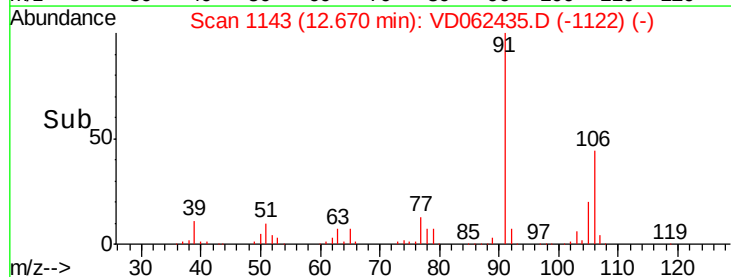
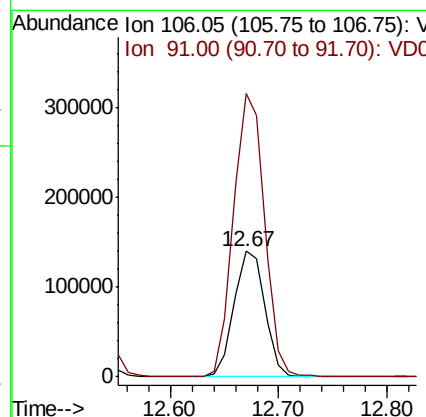
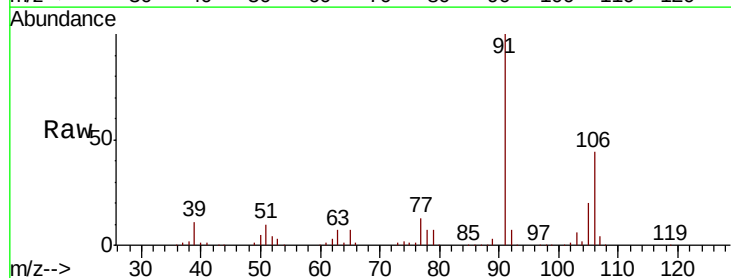
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

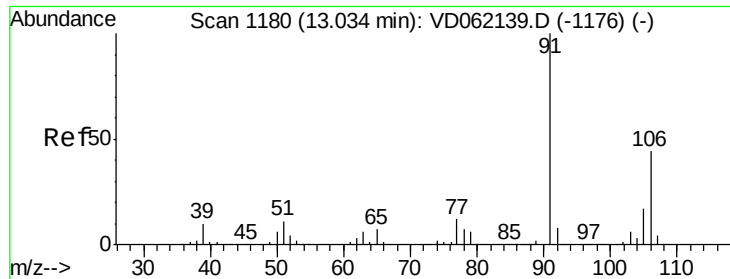
Tgt Ion: 91 Resp: 403494
Ion Ratio Lower Upper
91 100
106 28.5 24.7 37.1



#68
m/p-Xylenes
Concen: 34.364 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion: 106 Resp: 276657
Ion Ratio Lower Upper
106 100
91 225.0 164.0 246.0

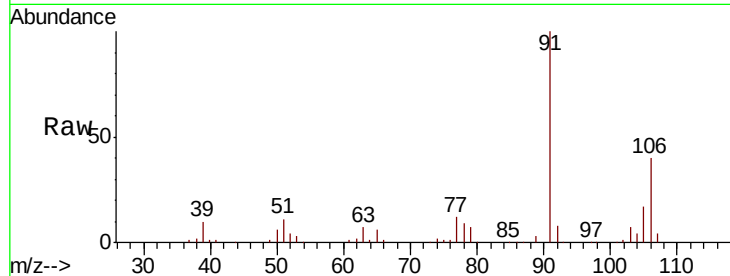




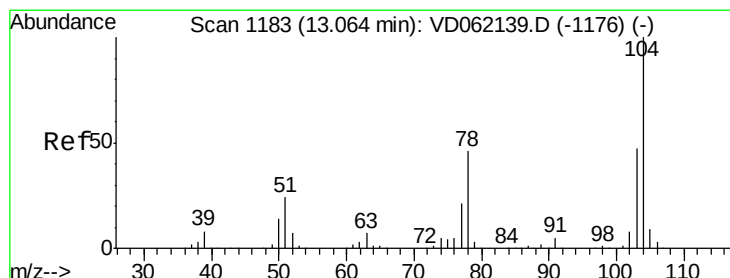
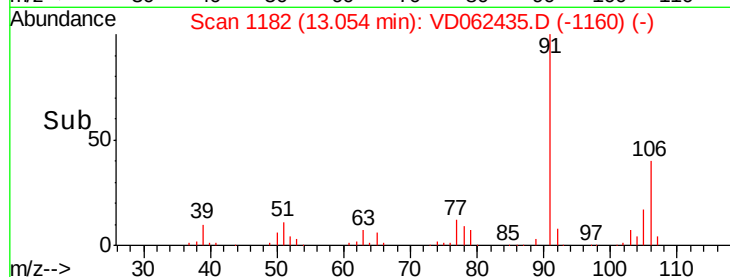
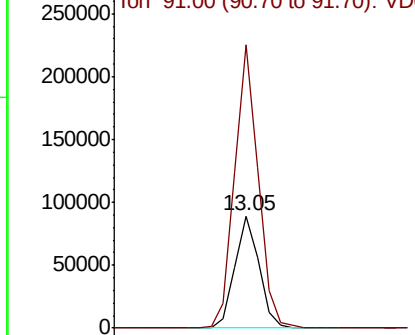
#69
o-Xylene
Concen: 17.211 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

Tgt Ion:106 Resp: 128816
Ion Ratio Lower Upper
106 100
91 252.8 106.7 319.9

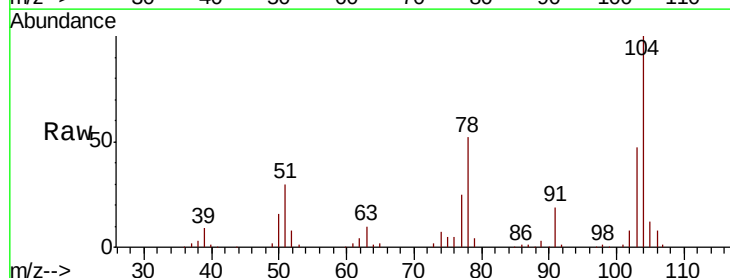


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

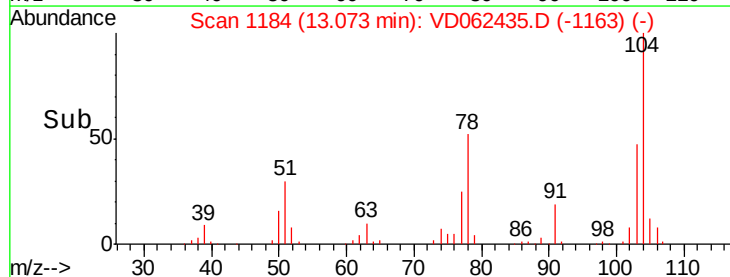
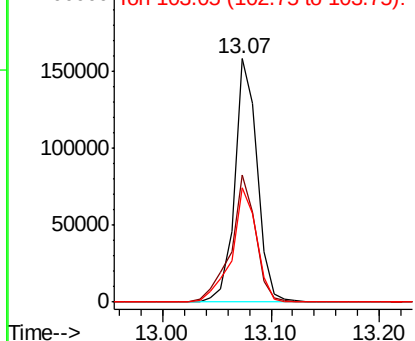


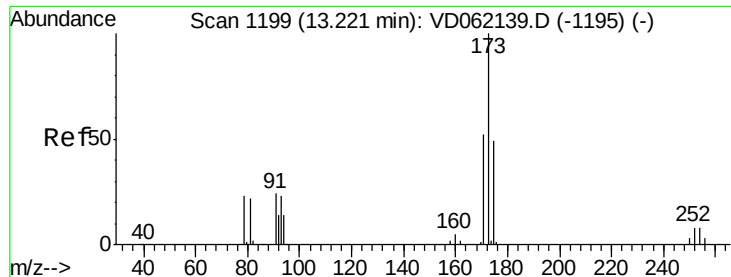
#70
Styrene
Concen: 17.906 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion:104 Resp: 227030
Ion Ratio Lower Upper
104 100
78 52.4 35.4 53.2
103 46.7 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: 16.665 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

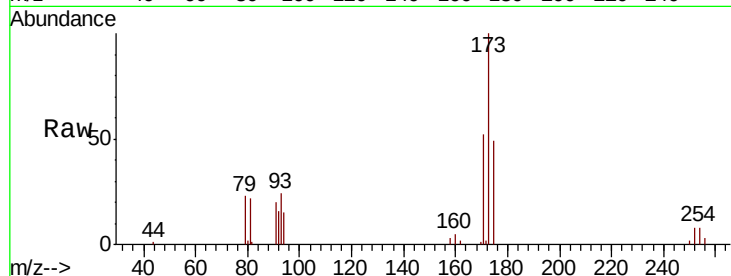
Tgt Ion:173 Resp: 66698

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.4

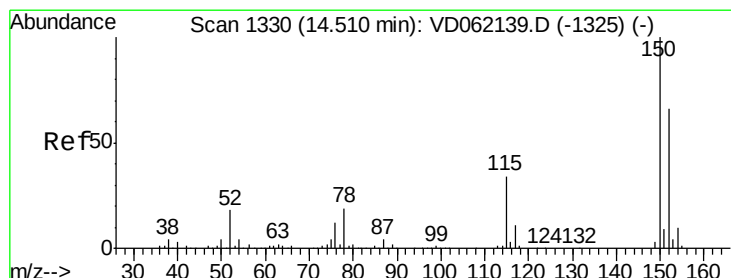
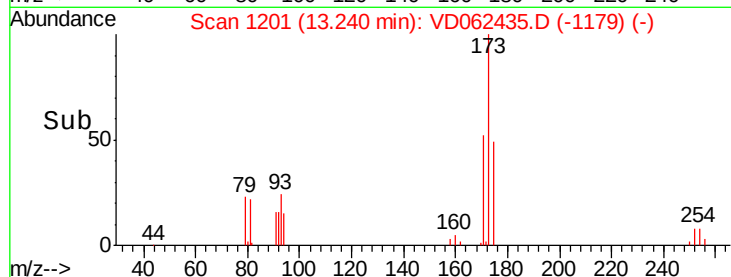
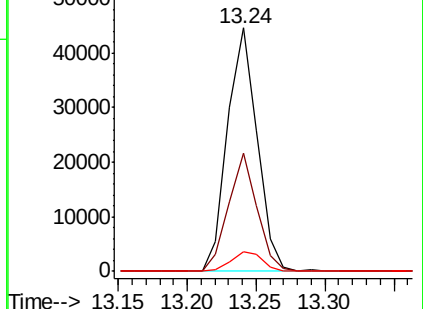
254 8.3 5.4 8.2#



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: VD062435.D

Acq: 17 May 2019 13:16

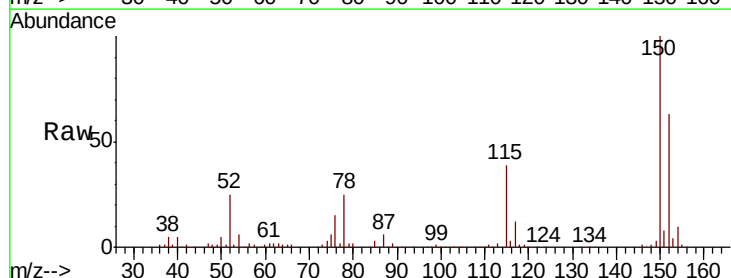
Tgt Ion:152 Resp: 373737

Ion Ratio Lower Upper

152 100

115 61.7 30.9 92.7

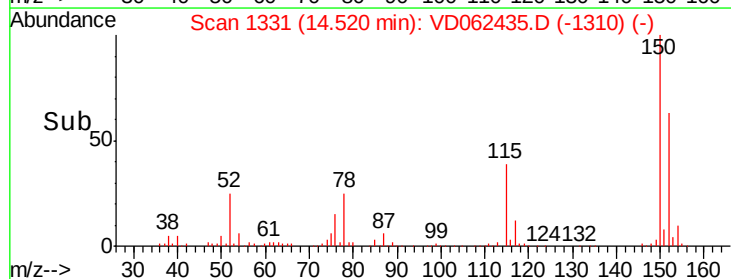
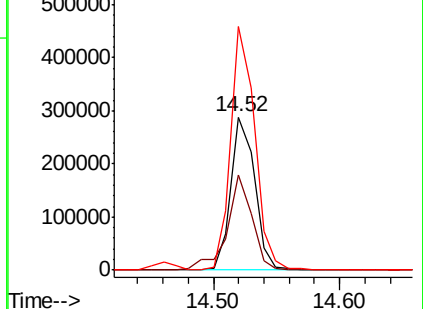
150 158.8 0.0 314.8

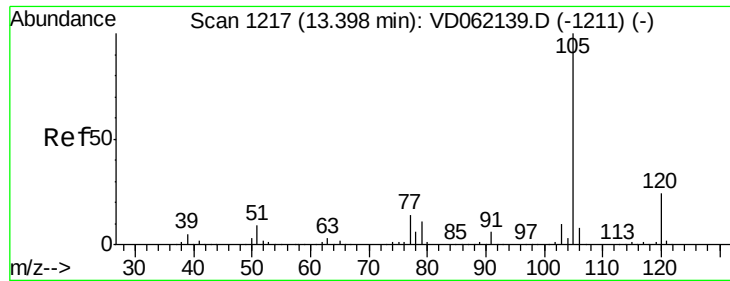


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.876 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

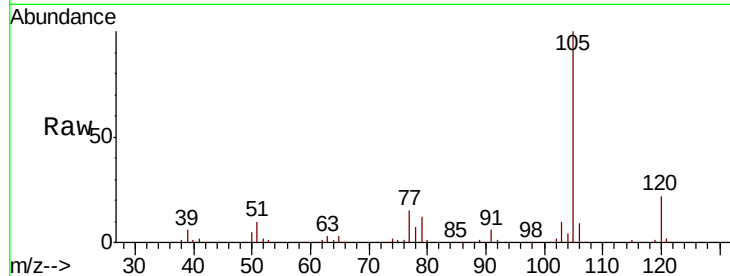
VD0517SBS01

Tgt Ion: 105 Resp: 445276

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

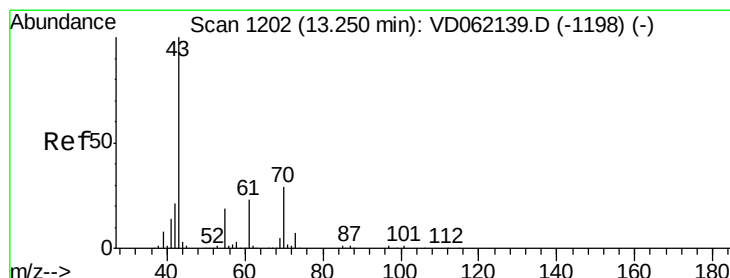
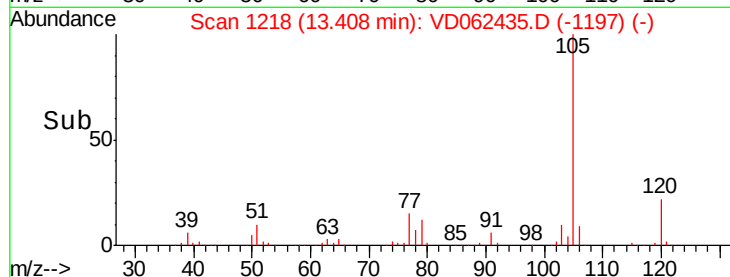
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.939 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Tgt Ion: 43 Resp: 105366

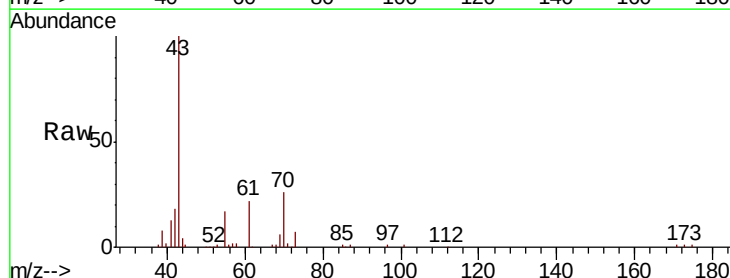
Ion Ratio Lower Upper

43 100

70 26.3 24.2 36.4

55 16.5 16.0 24.0

61 21.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

120000

100000

80000

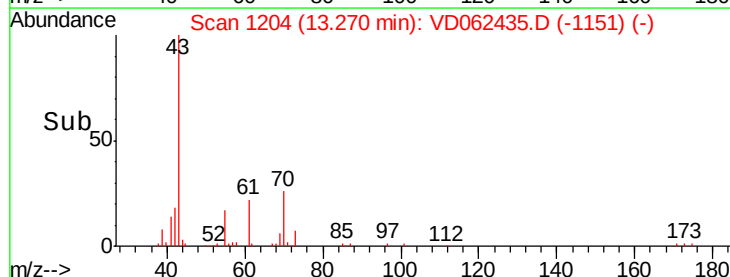
60000

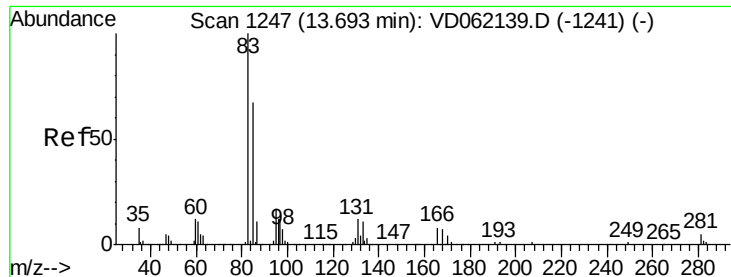
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.135 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

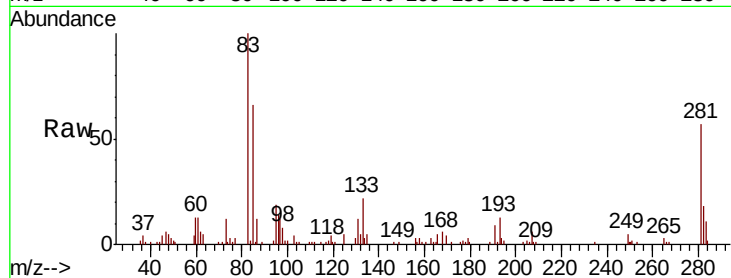
Tgt Ion: 83 Resp: 72673

Ion Ratio Lower Upper

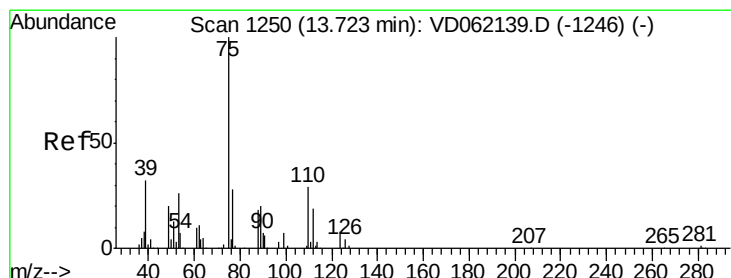
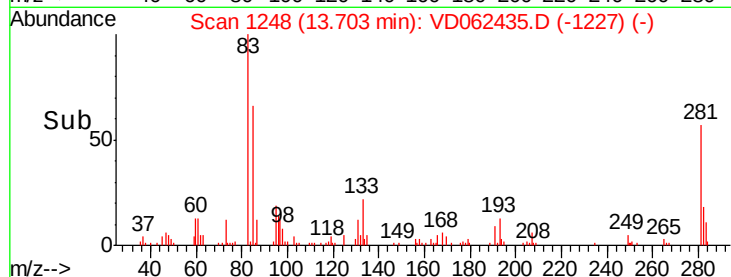
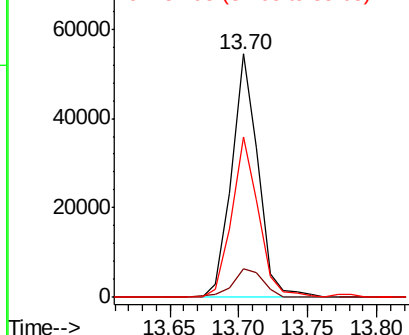
83 100

131 12.0 5.0 14.9

85 65.8 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: 17.625 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062435.D

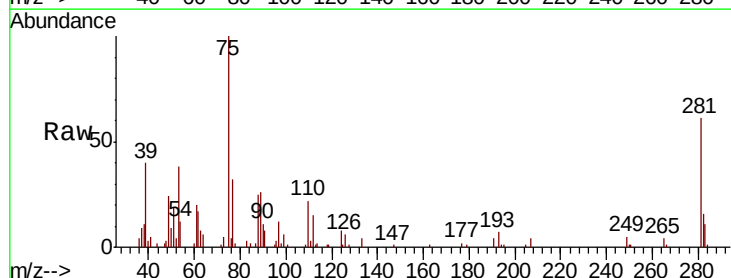
Acq: 17 May 2019 13:16

Tgt Ion: 75 Resp: 78284

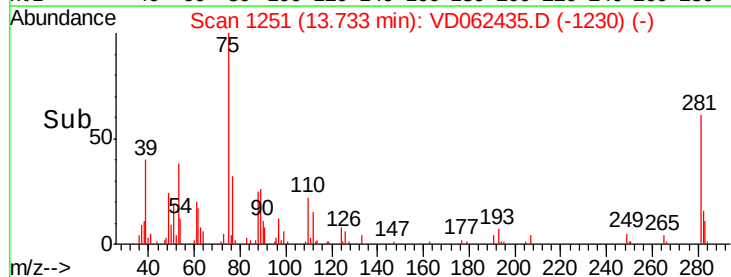
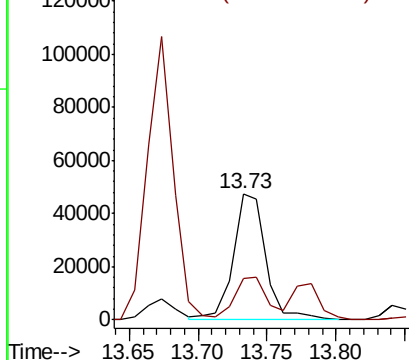
Ion Ratio Lower Upper

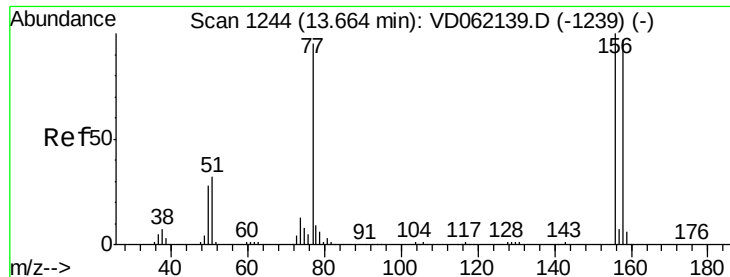
75 100

77 32.4 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: 18.199 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

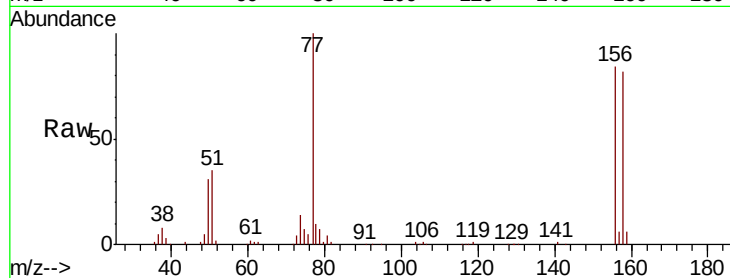
Tgt Ion:156 Resp: 114135

Ion Ratio Lower Upper

156 100

77 119.7 53.1 159.4

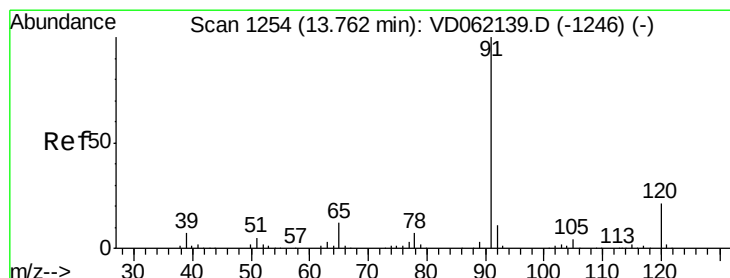
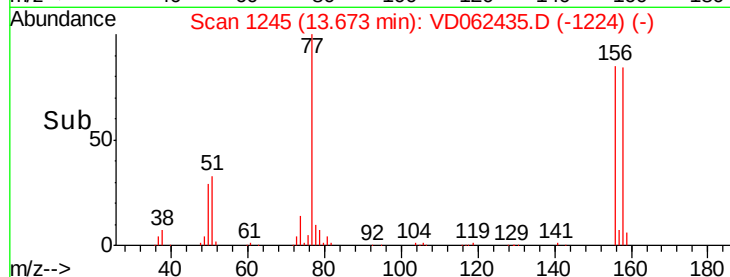
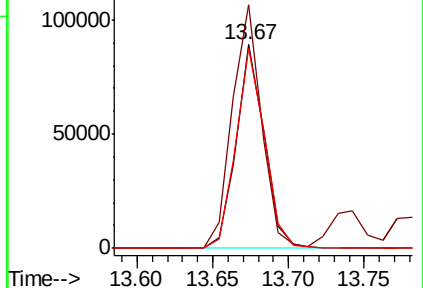
158 98.6 49.4 148.0



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: 18.360 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062435.D

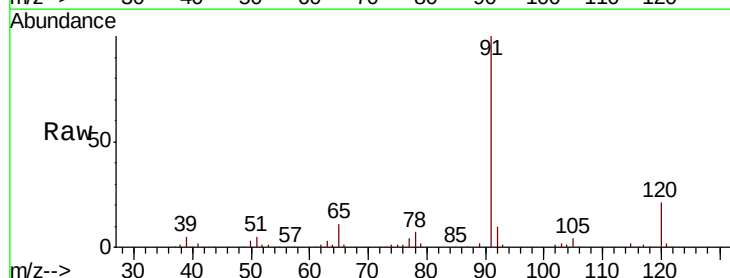
Acq: 17 May 2019 13:16

Tgt Ion: 91 Resp: 490645

Ion Ratio Lower Upper

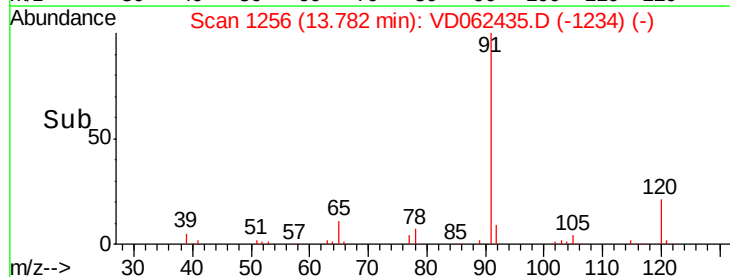
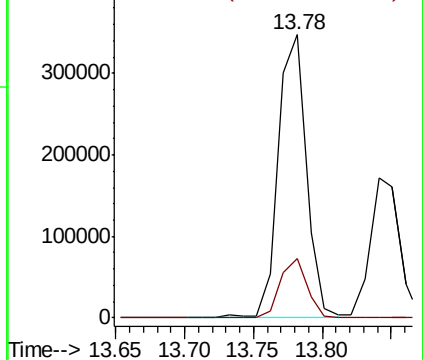
91 100

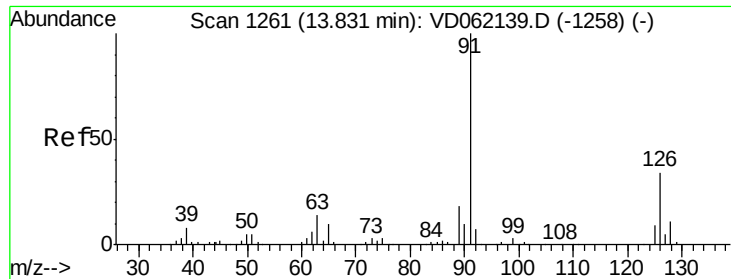
120 20.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 16.486 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

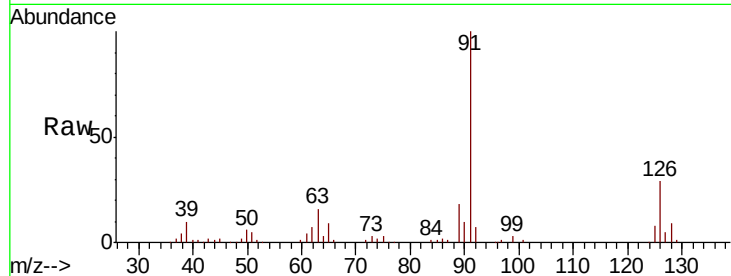
VD0517SBS01

Tgt Ion: 91 Resp: 252331

Ion Ratio Lower Upper

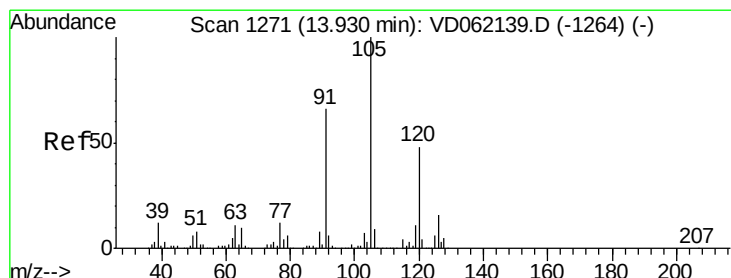
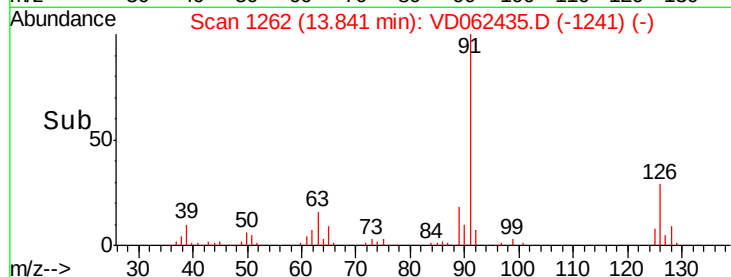
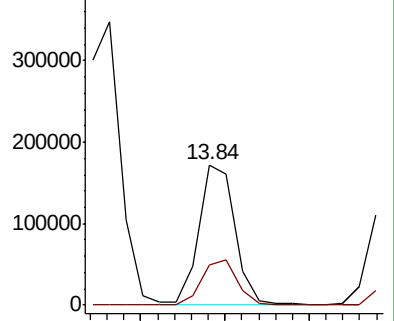
91 100

126 28.6 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: 18.234 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062435.D

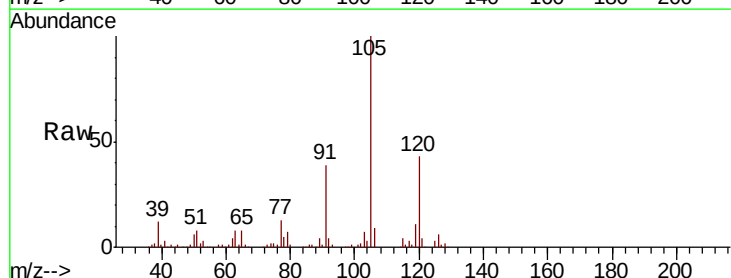
Acq: 17 May 2019 13:16

Tgt Ion: 105 Resp: 343996

Ion Ratio Lower Upper

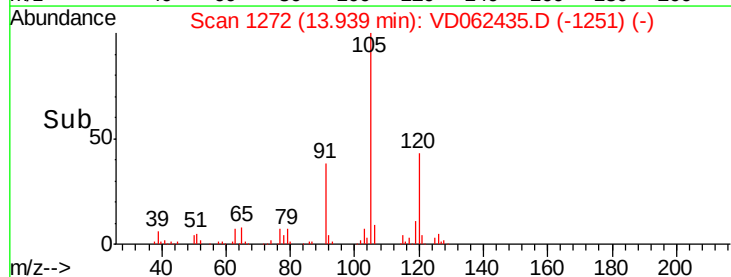
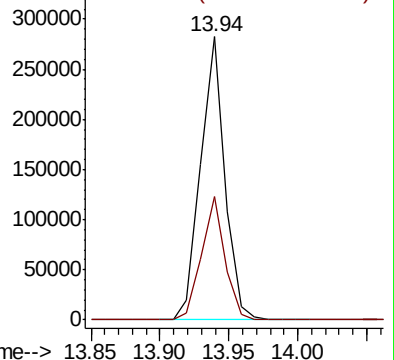
105 100

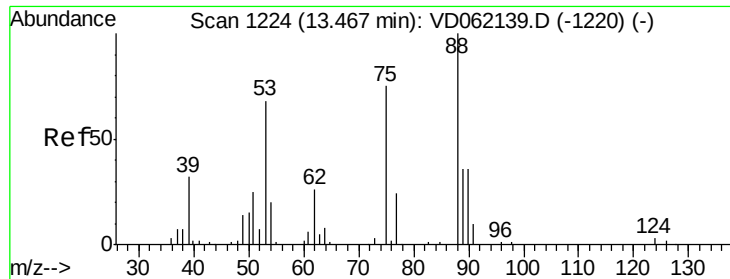
120 43.4 24.0 72.0



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: 16.502 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

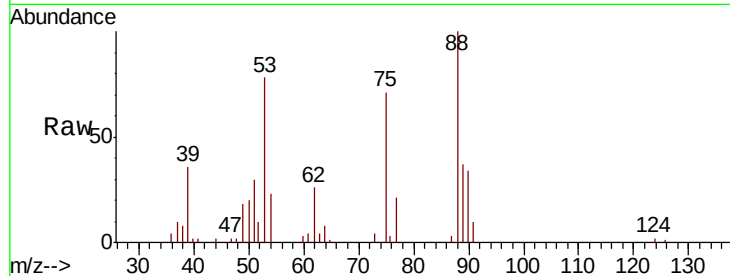
Tgt Ion: 75 Resp: 20692

Ion Ratio Lower Upper

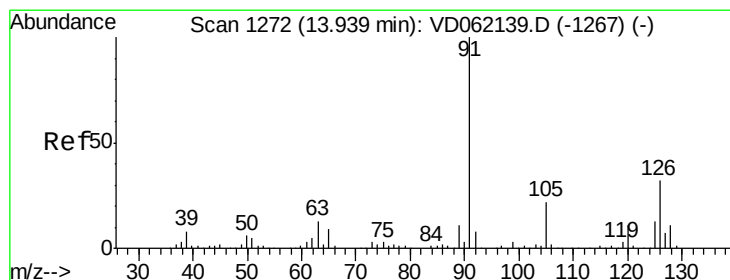
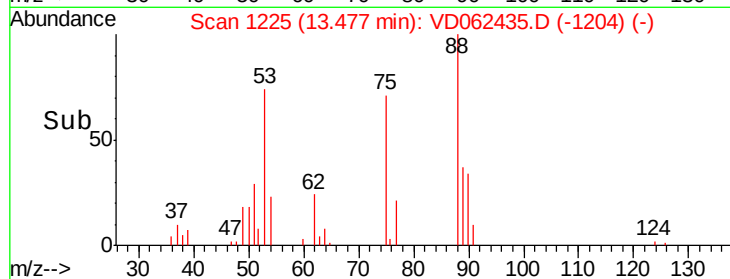
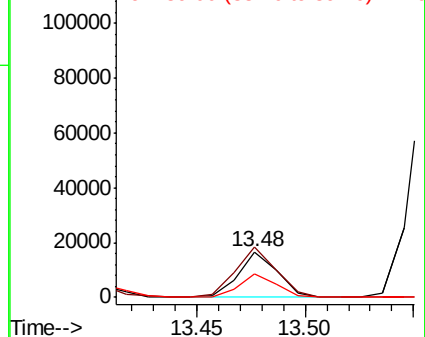
75 100

53 109.4 65.8 98.8#

89 51.4 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: 19.438 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062435.D

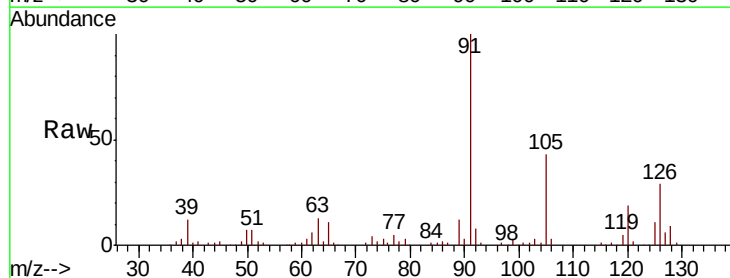
Acq: 17 May 2019 13:16

Tgt Ion: 91 Resp: 350099

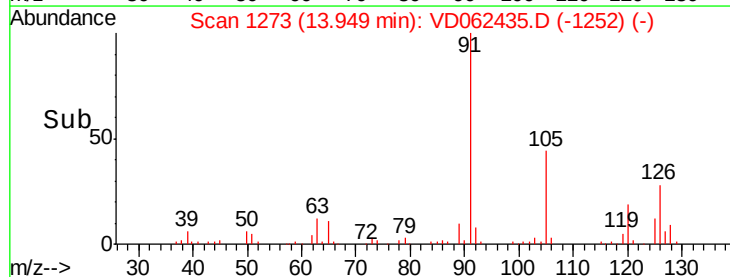
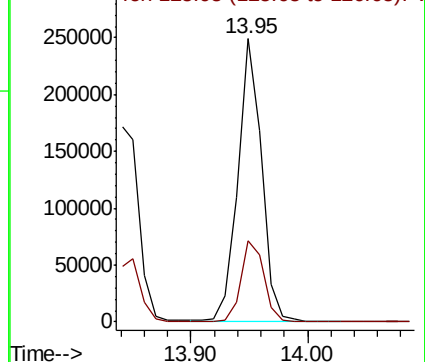
Ion Ratio Lower Upper

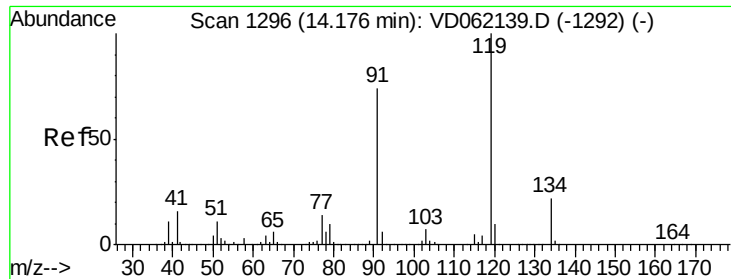
91 100

126 28.8 19.1 57.5



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

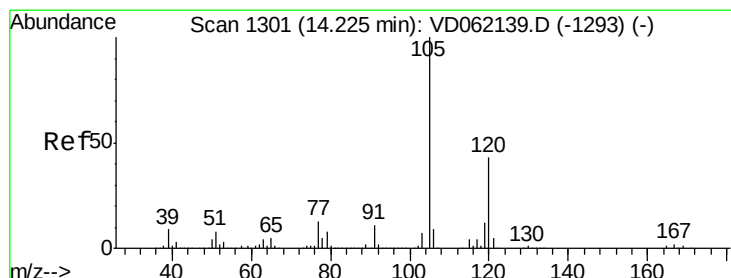
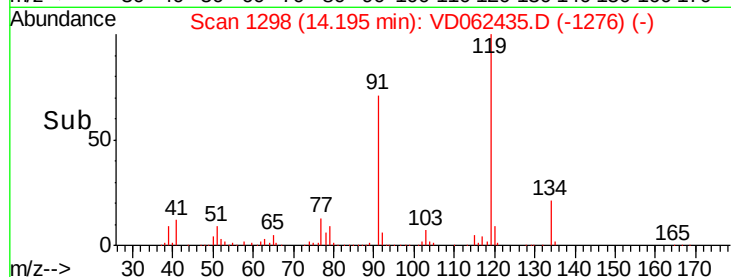
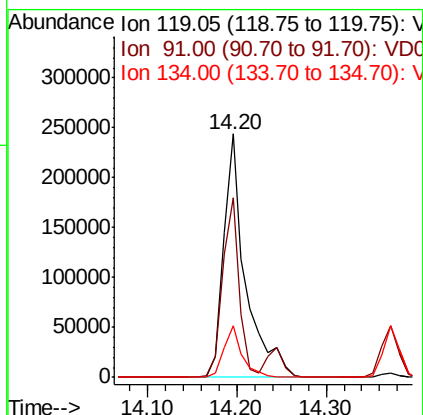
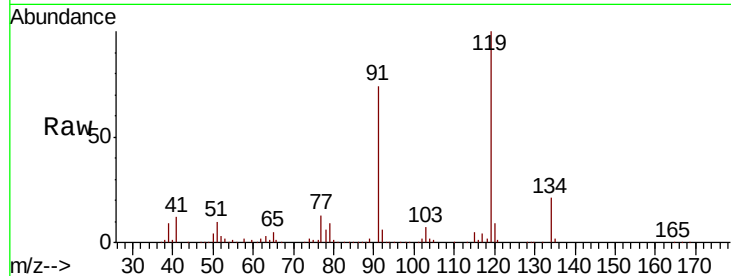




#83
 tert-Butylbenzene
 Concen: 19.693 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

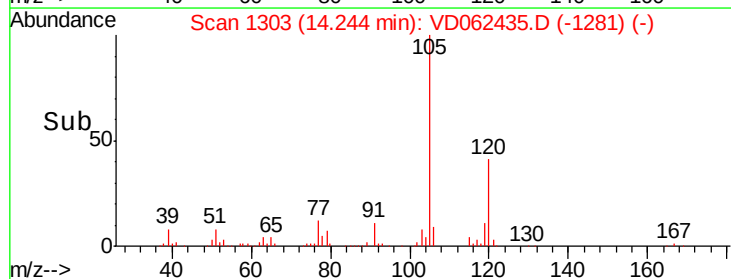
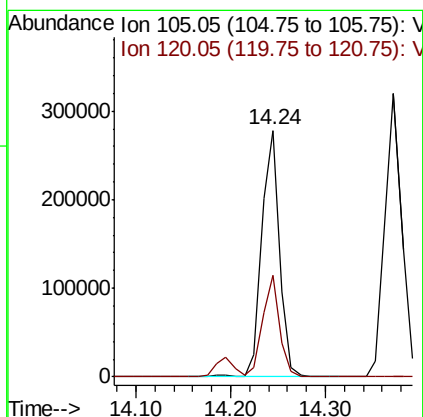
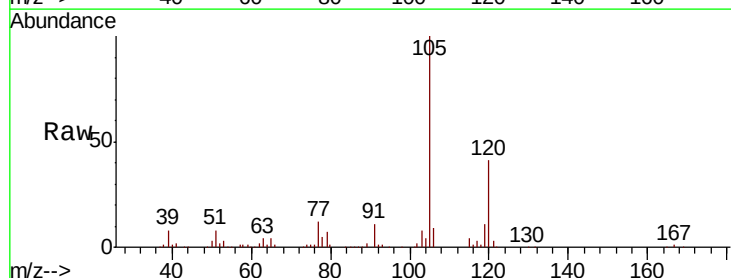
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

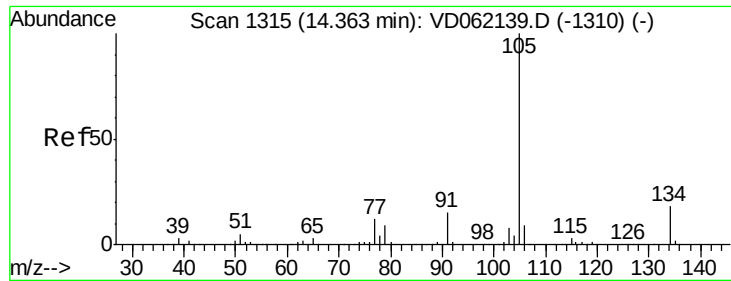
Tgt Ion:119 Resp: 417568
 Ion Ratio Lower Upper
 119 100
 91 73.7 34.2 102.6
 134 21.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.389 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion:105 Resp: 367061
 Ion Ratio Lower Upper
 105 100
 120 41.3 23.1 69.2

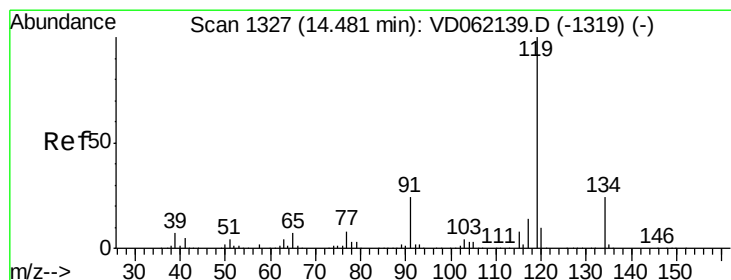
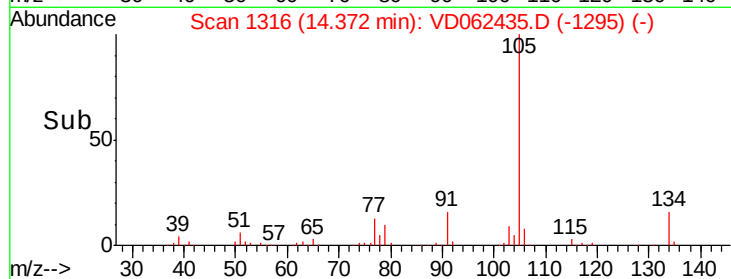
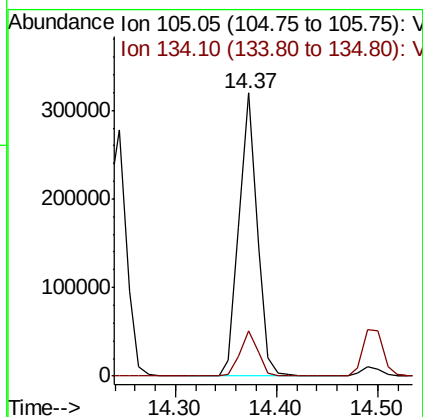
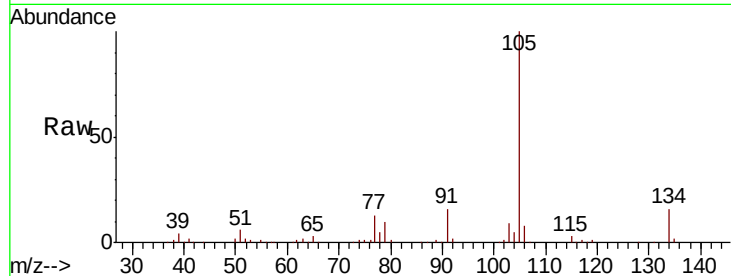




#85
 sec-Butylbenzene
 Concen: 17.275 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

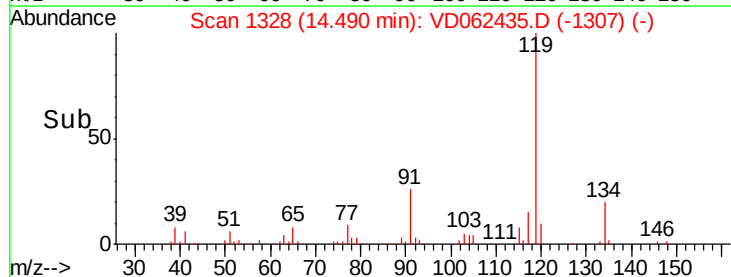
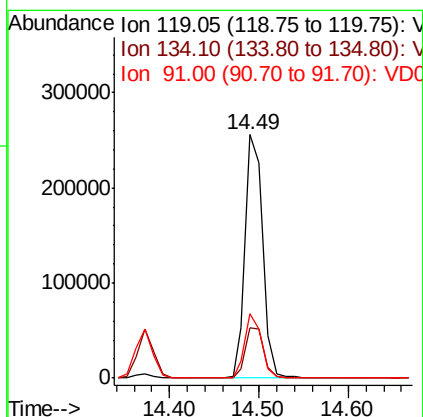
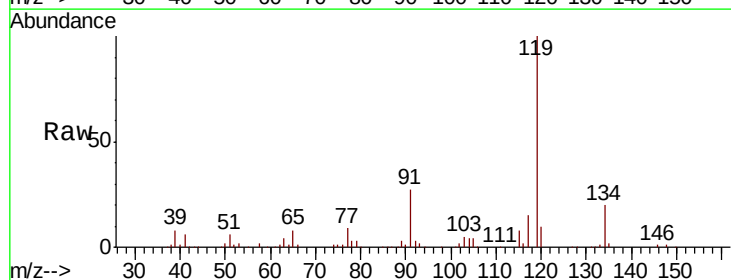
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

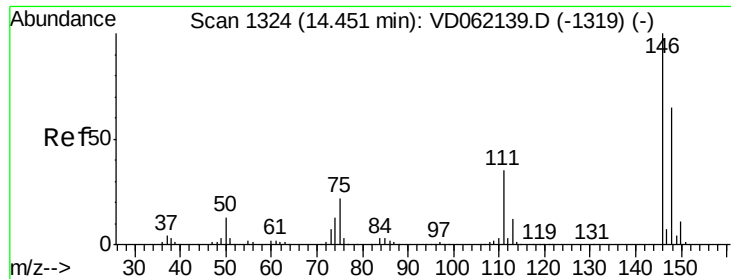
Tgt Ion:105 Resp: 401614
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 16.829 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion:119 Resp: 349554
 Ion Ratio Lower Upper
 119 100
 134 20.4 12.8 38.3
 91 26.6 10.7 32.1

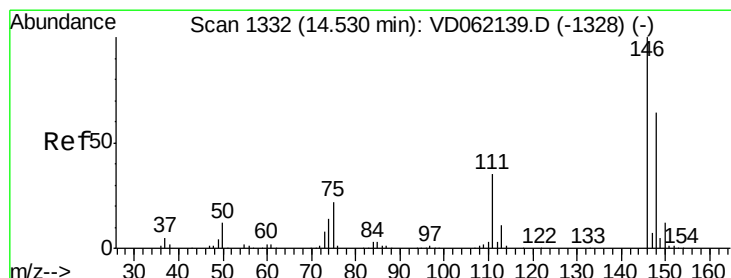
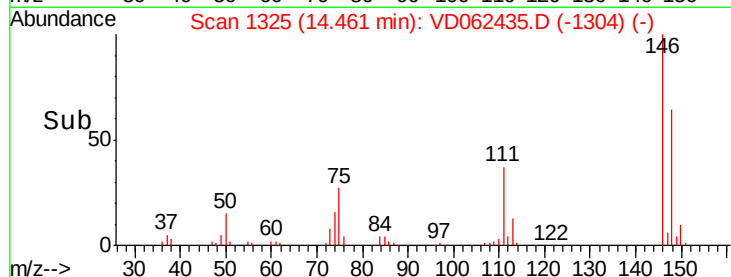
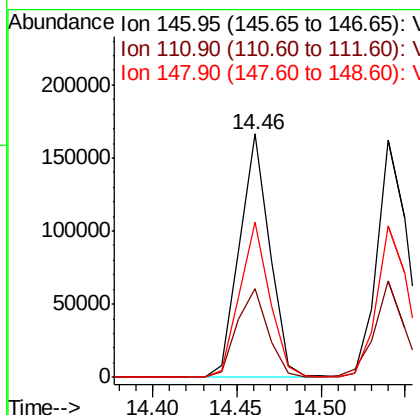
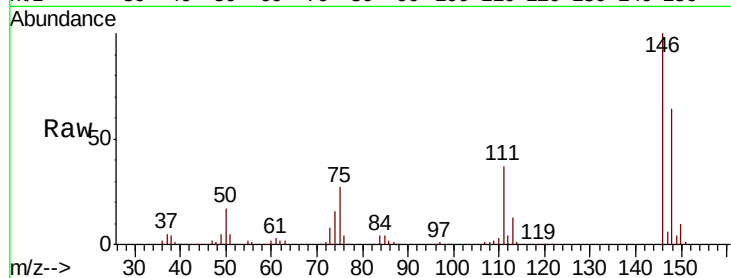




#87
 1,3-Dichlorobenzene
 Concen: 18.051 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

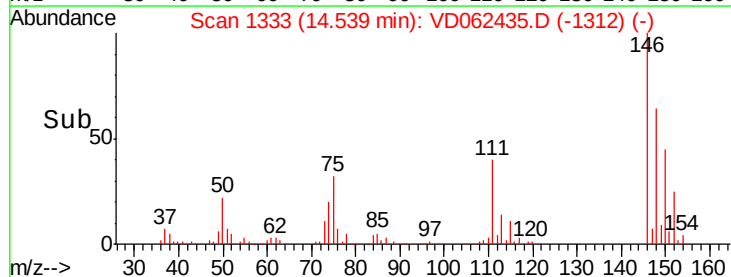
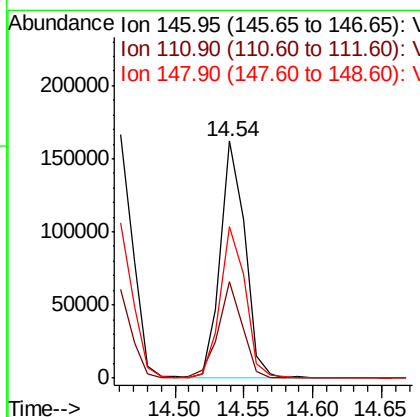
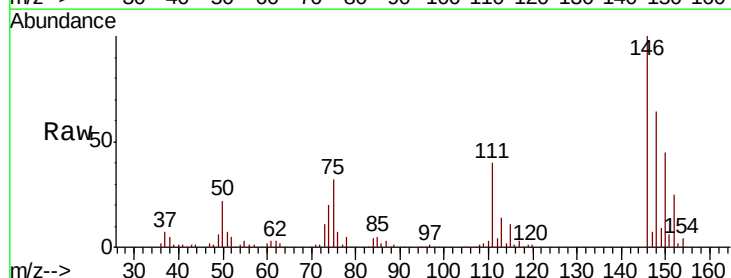
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

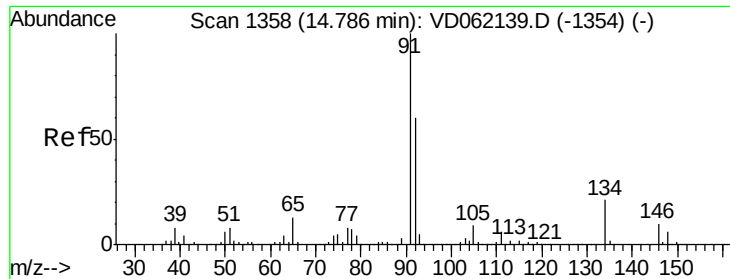
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.0	60.0
148	63.9	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 17.836 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.0	32.0	96.2





#89

n-Butylbenzene

Concen: 18.827 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD062435.D

Acq: 17 May 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

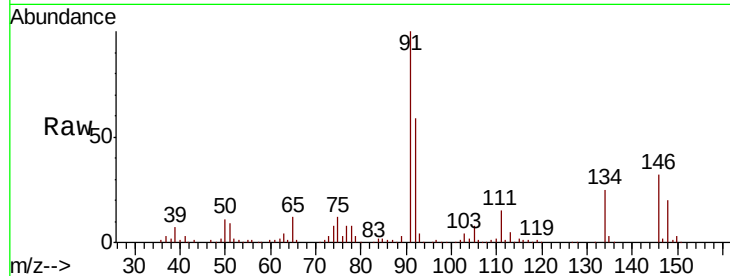
Tgt Ion: 91 Resp: 351004

Ion Ratio Lower Upper

91 100

92 59.2 30.3 91.0

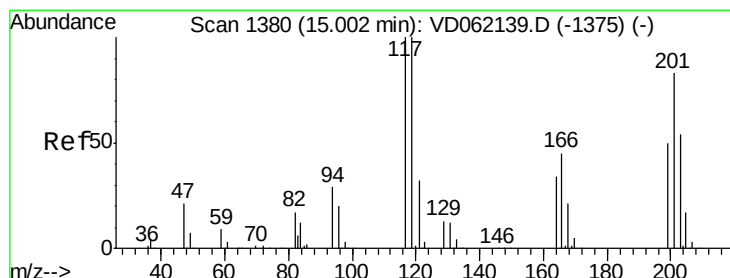
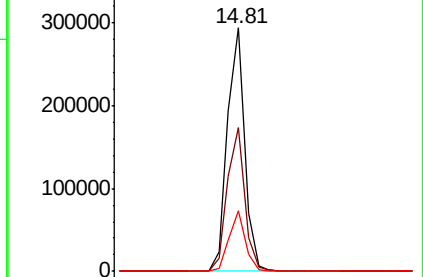
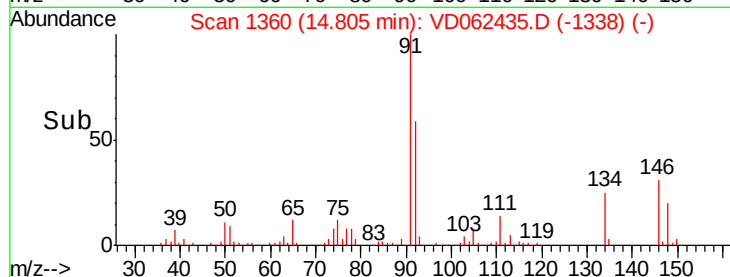
134 24.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.060 ug/l

RT: 15.01 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062435.D

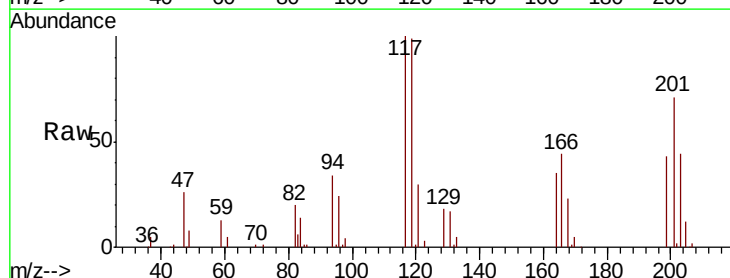
Acq: 17 May 2019 13:16

Tgt Ion: 117 Resp: 102016

Ion Ratio Lower Upper

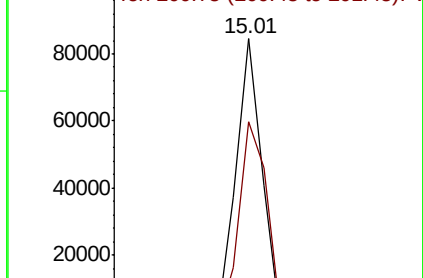
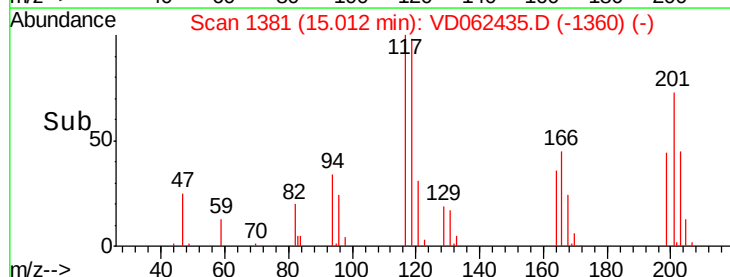
117 100

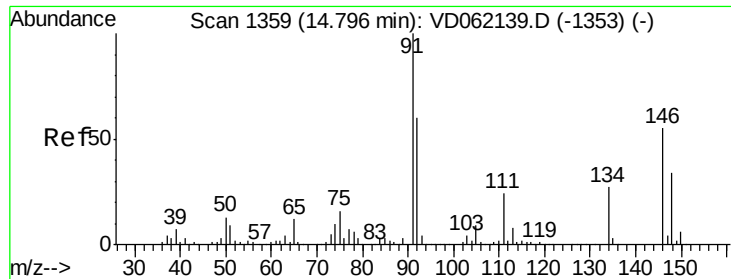
201 70.6 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

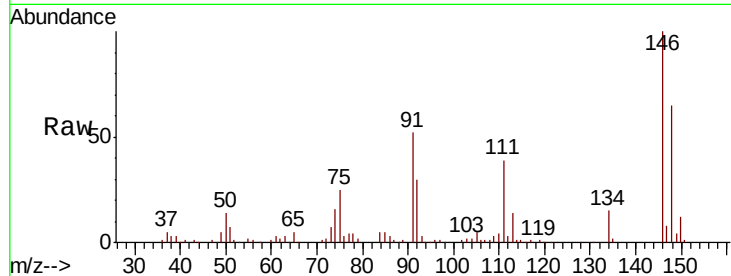




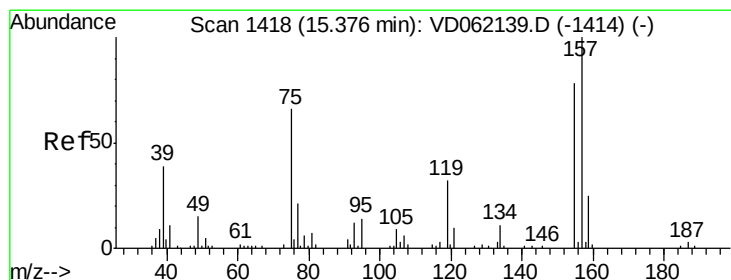
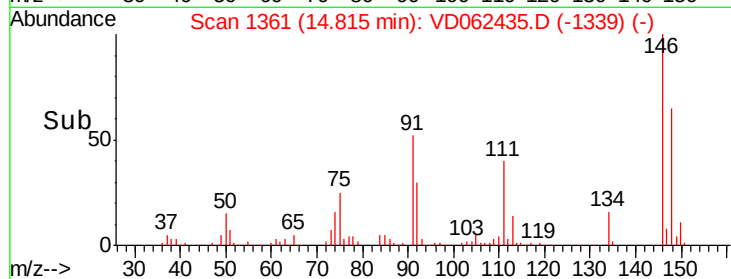
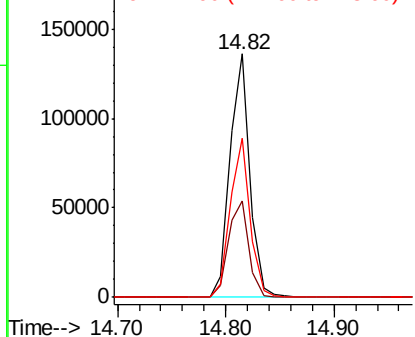
#91
 1,2-Dichlorobenzene
 Concen: 18.401 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

Tgt Ion:146 Resp: 173613
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 59.9
 148 65.1 32.3 96.8

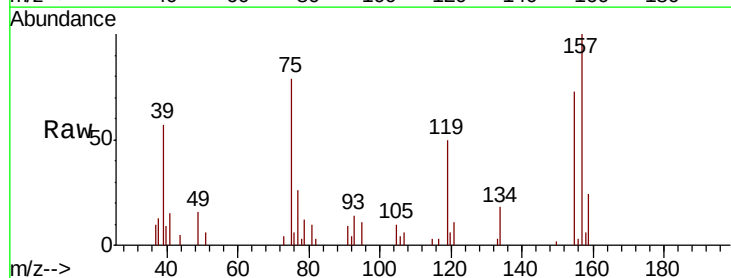


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

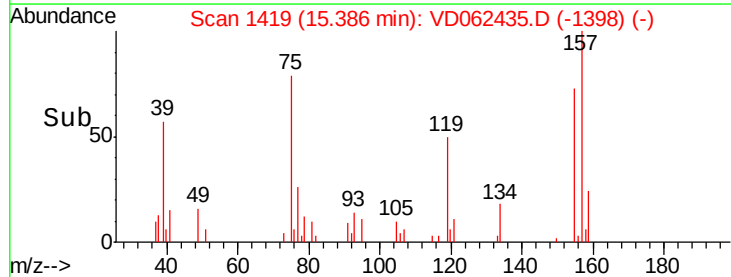
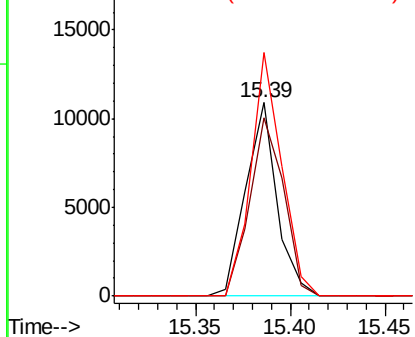


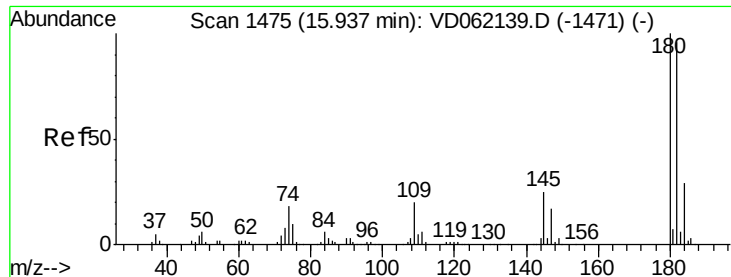
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.906 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion: 75 Resp: 12466
 Ion Ratio Lower Upper
 75 100
 155 92.4 55.3 165.8
 157 126.0 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

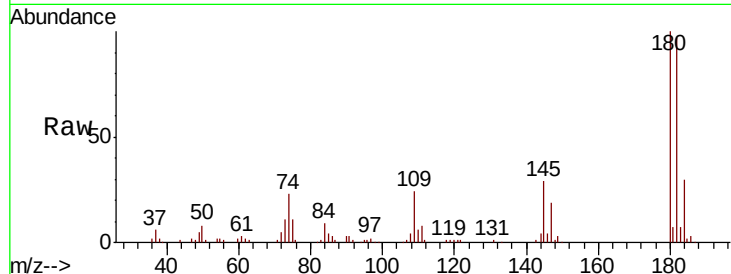




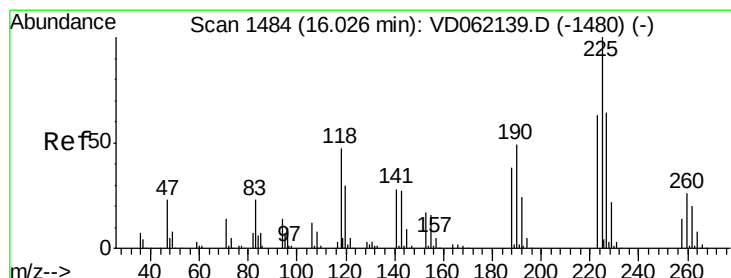
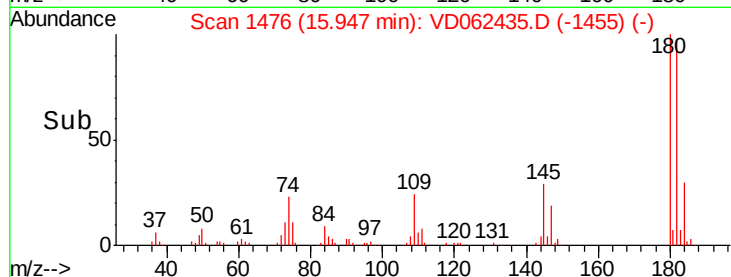
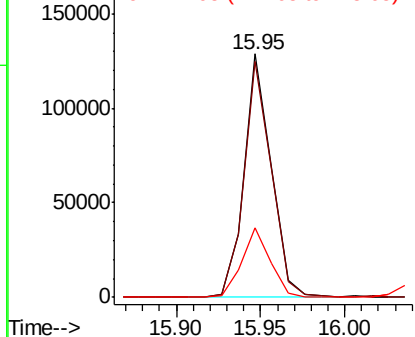
#93
 1,2,4-Trichlorobenzene
 Concen: 20.954 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBSD01

Tgt Ion:180 Resp: 143903
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.3 147.8
 145 28.6 16.2 48.6

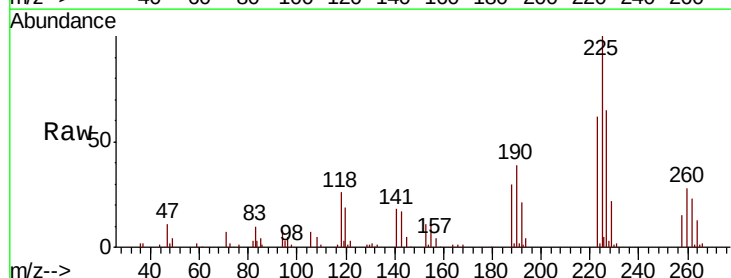


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

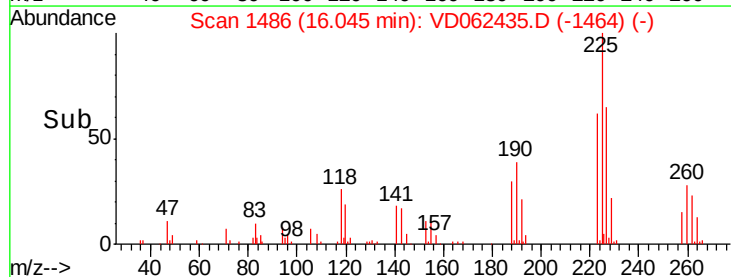
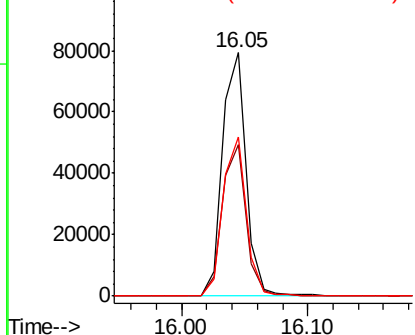


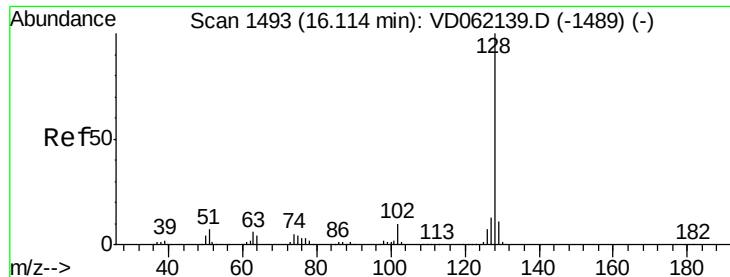
#94
 Hexachlorobutadiene
 Concen: 20.073 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062435.D
 Acq: 17 May 2019 13:16

Tgt Ion:225 Resp: 102527
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.6 92.0
 227 65.2 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

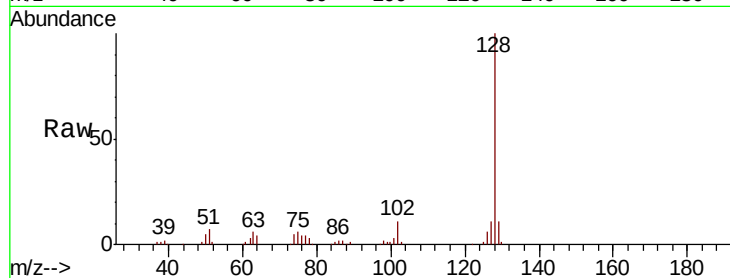




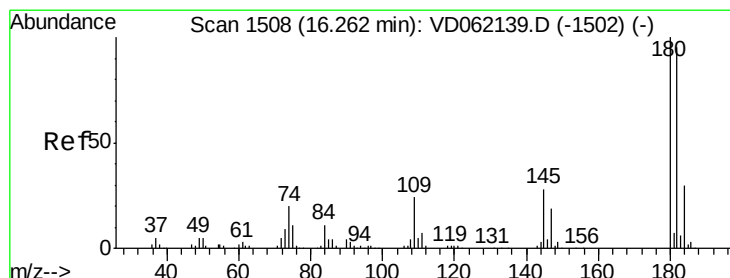
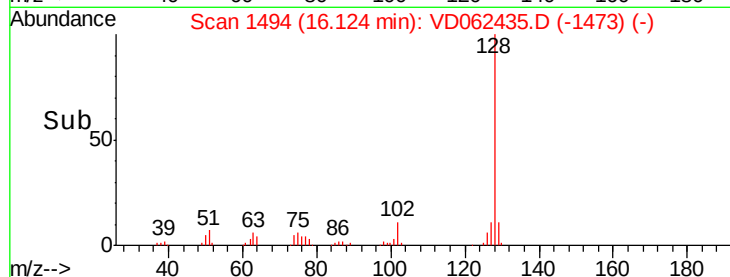
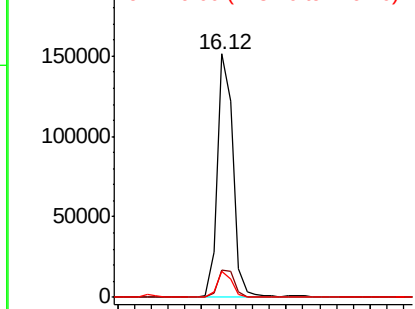
#95
Naphthalene
Concen: 20.351 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBSD01

Tgt Ion:128 Resp: 195114
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.8
129 10.6 8.8 13.2

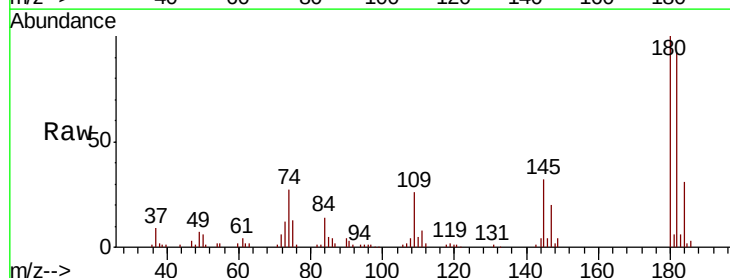


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 27.014 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062435.D
Acq: 17 May 2019 13:16

Tgt Ion:180 Resp: 116641
Ion Ratio Lower Upper
180 100
182 91.6 47.0 141.0
145 32.3 17.0 51.0



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

