

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062538.D
 Acq On : 28 May 2019 14:59
 Operator : VA/AP
 Sample : VD0528SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Quant Time: May 29 01:00:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	374519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	500311	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	437645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	240466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	242597	60.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.02%	
35) Dibromofluoromethane	6.94	113	235001	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.42	98	509829	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	13.56	95	224427	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	93218	23.929	ug/l	94
3) Chloromethane	1.74	50	60013	23.131	ug/l #	86
4) Vinyl Chloride	1.85	62	65023	23.816	ug/l	97
5) Bromomethane	2.15	94	39593	33.608	ug/l	98
6) Chloroethane	2.25	64	35333	26.753	ug/l	95
7) Trichlorofluoromethane	2.52	101	165712	26.270	ug/l	94
8) Diethyl Ether	2.87	74	20069	23.584	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.14	101	84946	22.635	ug/l #	85
10) Methyl Iodide	3.31	142	109453	20.917	ug/l #	73
11) Tert butyl alcohol	4.09	59	21719	117.369	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	63367	22.847	ug/l #	74
13) Acrolein	3.04	56	17499	113.872	ug/l #	73
14) Allyl chloride	3.62	41	83693	20.465	ug/l #	65
15) Acrylonitrile	4.20	53	40494	95.499	ug/l #	74
16) Acetone	3.23	43	75432	105.000	ug/l #	72
17) Carbon Disulfide	3.38	76	174778	20.807	ug/l	97
18) Methyl Acetate	3.65	43	25635	20.679	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	140048	21.861	ug/l	94
20) Methylene Chloride	3.82	84	62249	16.063	ug/l #	77
21) trans-1,2-Dichloroethene	4.22	96	61724	19.010	ug/l	92
22) Diisopropyl ether	5.13	45	172971	19.871	ug/l	89
23) Vinyl Acetate	5.07	43	546393	103.879	ug/l	97
24) 1,1-Dichloroethane	4.99	63	114757	20.470	ug/l #	94
25) 2-Butanone	6.08	43	75155	100.023	ug/l	98
26) 2,2-Dichloropropane	6.03	77	140203	23.200	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	71336	20.375	ug/l	88
28) Bromochloromethane	6.45	49	38221	18.996	ug/l	82
29) Tetrahydrofuran	6.48	42	35675	99.415	ug/l	96
30) Chloroform	6.67	83	151477	21.194	ug/l	95
31) Cyclohexane	6.97	56	74909	19.790	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	163326	22.634	ug/l	95
36) 1,1-Dichloropropene	7.15	75	104858	21.922	ug/l	90
37) Ethyl Acetate	6.20	43	39992	21.522	ug/l #	93
38) Carbon Tetrachloride	7.13	117	172982	24.333	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	82513	20.914	ug/l	91
40) Benzene	7.46	78	186147	19.840	ug/l	100
41) Methacrylonitrile	6.46	41	47274	20.256	ug/l #	78
42) 1,2-Dichloroethane	7.59	62	112423	22.628	ug/l	88
43) Isopropyl Acetate	9.25	43	46654	18.925	ug/l	90
44) Trichloroethene	8.55	130	78870	20.995	ug/l	92
45) 1,2-Dichloropropane	8.95	63	43610	19.073	ug/l #	88
46) Dibromomethane	9.07	93	47215	22.780	ug/l	95
47) Bromodichloromethane	9.39	83	116441	22.084	ug/l	97
48) Methyl methacrylate	9.13	41	32736	19.733	ug/l #	74
49) 1,4-Dioxane	9.09	88	5772	387.904	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	173362	106.453	ug/l	88
52) Toluene	10.52	92	128529	20.010	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	94916	21.623	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	97815	21.355	ug/l #	67
55) 1,1,2-Trichloroethane	11.20	97	45711	20.998	ug/l	97
56) Ethyl methacrylate	11.05	69	46236	19.868	ug/l #	73
57) 1,3-Dichloropropane	11.42	76	69406	20.789	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	133427	111.655	ug/l	100
59) 2-Hexanone	11.54	43	126045	106.495	ug/l	89
60) Dibromochloromethane	11.69	129	94339	22.563	ug/l	98
61) 1,2-Dibromoethane	11.82	107	56335	20.999	ug/l	96
64) Tetrachloroethene	11.27	164	74063	20.211	ug/l	97
65) Chlorobenzene	12.41	112	163710	19.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	85511	22.011	ug/l	91
67) Ethyl Benzene	12.53	91	301854	20.823	ug/l	94
68) m/p-Xylenes	12.68	106	203697	39.146	ug/l	88
69) o-Xylene	13.06	106	95612	19.474	ug/l	82
70) Styrene	13.08	104	169625	20.309	ug/l #	91
71) Bromoform	13.25	173	57892	22.439	ug/l #	90
73) Isopropylbenzene	13.41	105	298081	19.666	ug/l	95
74) N-amyl acetate	13.28	43	69424	18.545	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	51666	18.894	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	61876	21.846	ug/l	97
77) Bromobenzene	13.68	156	84369	19.622	ug/l	96
78) n-propylbenzene	13.78	91	363521	20.705	ug/l	96
79) 2-Chlorotoluene	13.85	91	206988	19.427	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	263755	20.097	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	15301	19.155	ug/l #	59
82) 4-Chlorotoluene	13.95	91	251536	20.499	ug/l	88
83) tert-Butylbenzene	14.19	119	296059	20.337	ug/l	86
84) 1,2,4-Trimethylbenzene	14.24	105	275596	20.494	ug/l	89
85) sec-Butylbenzene	14.38	105	307531	20.260	ug/l	100
86) p-Isopropyltoluene	14.50	119	308279	22.410	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	159628	21.022	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	150405	20.527	ug/l	99
89) n-Butylbenzene	14.80	91	257267	19.379	ug/l	92
90) Hexachloroethane	15.02	117	77643	20.423	ug/l	78
91) 1,2-Dichlorobenzene	14.81	146	131395	20.350	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11707	22.555	ug/l	56

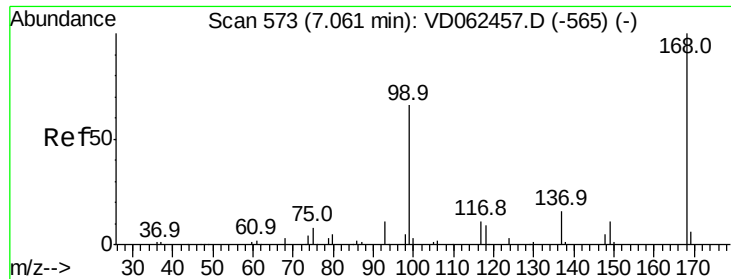
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052819\
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Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	99031	19.479	ug/l	92
94) Hexachlorobutadiene	16.04	225	74371	19.812	ug/l	99
95) Naphthalene	16.13	128	136274	19.617	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	77154	18.512	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

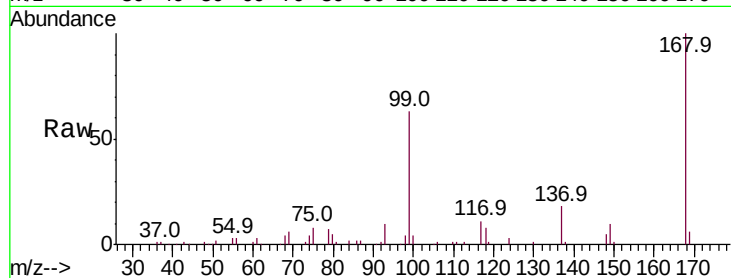
VD0528SBSD01

Tot Ion:168 Resp: 374519

Ion Ratio Lower Upper

168 100

99 63.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

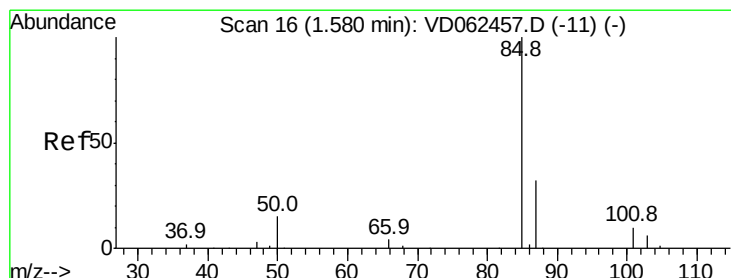
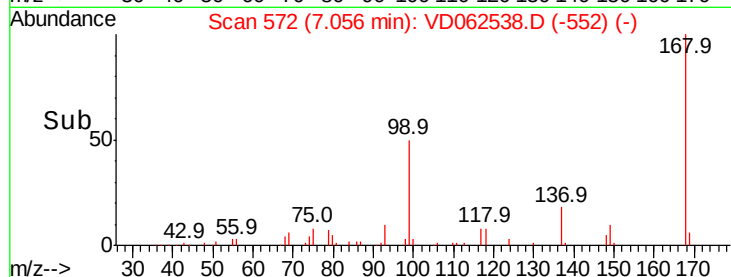
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 23.929 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062538.D

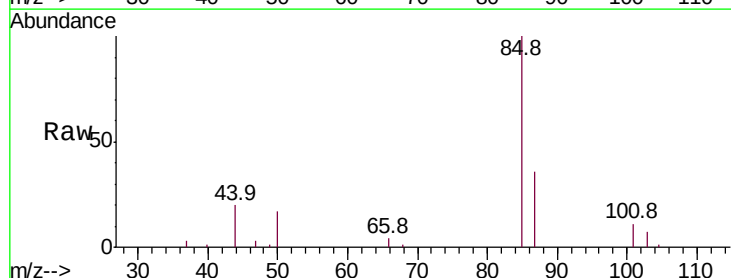
Acq: 28 May 2019 14:59

Tgt Ion: 85 Resp: 93218

Ion Ratio Lower Upper

85 100

87 36.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

50000

40000

30000

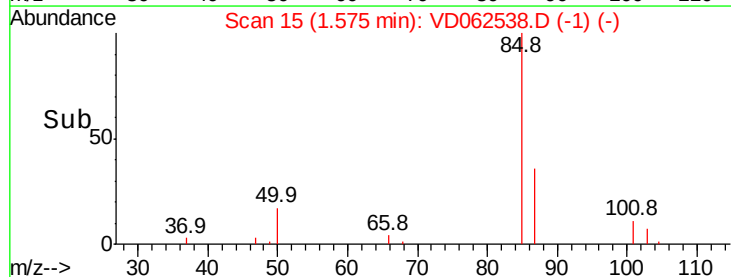
20000

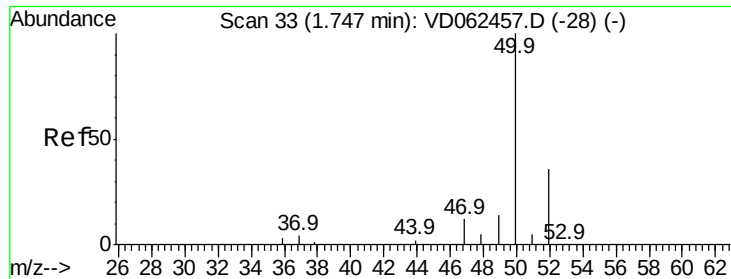
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 23.131 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

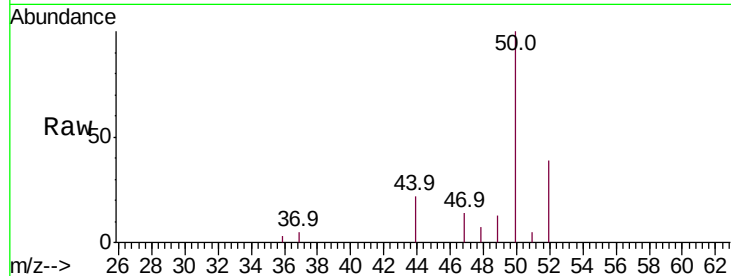
VD0528SBSD01

Tot Ion: 50 Resp: 60013

Ion Ratio Lower Upper

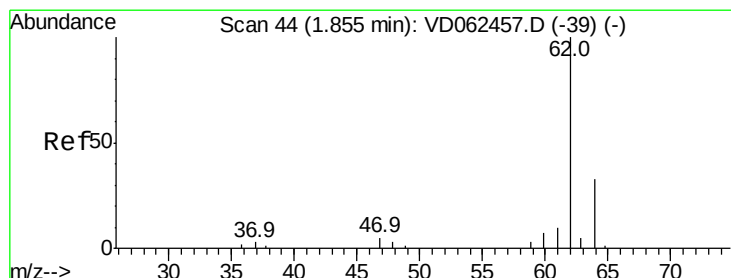
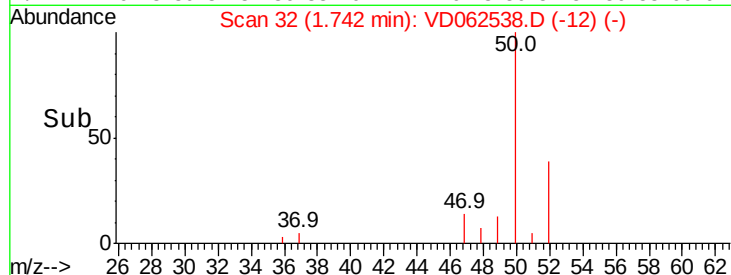
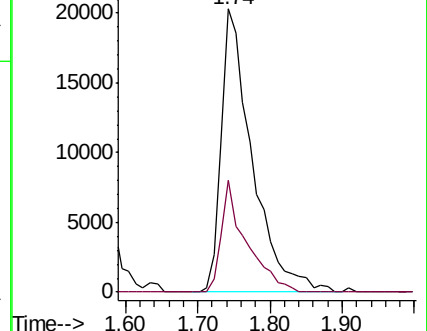
50 100

52 39.4 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: 23.816 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062538.D

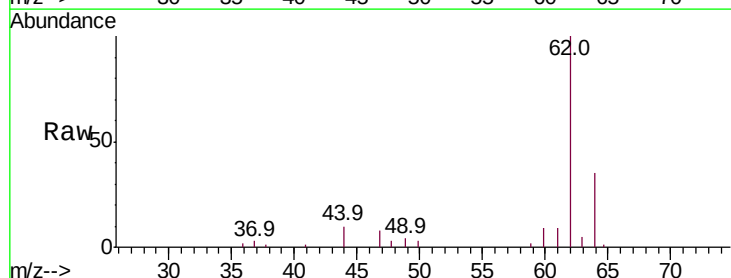
Acq: 28 May 2019 14:59

Tgt Ion: 62 Resp: 65023

Ion Ratio Lower Upper

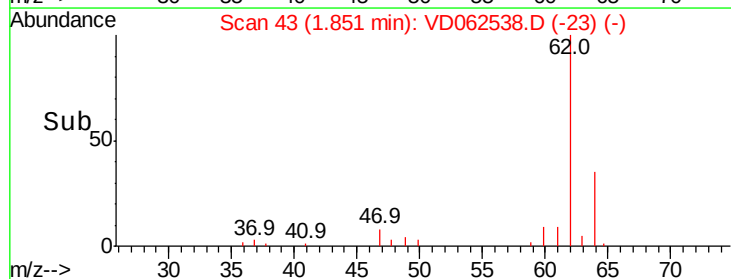
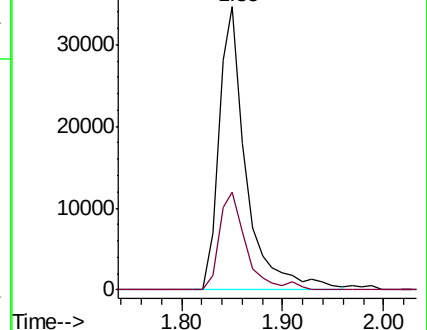
62 100

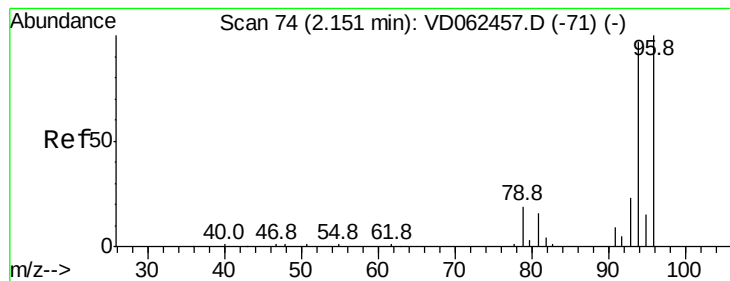
64 34.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 33.608 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

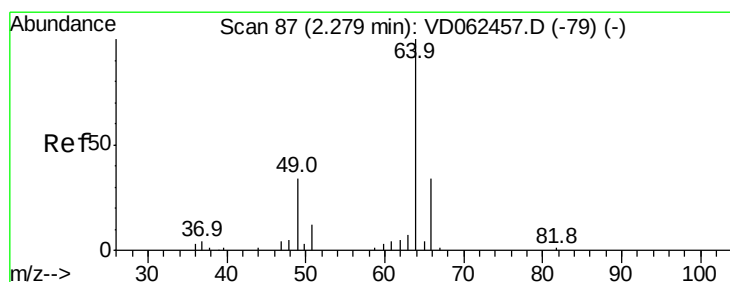
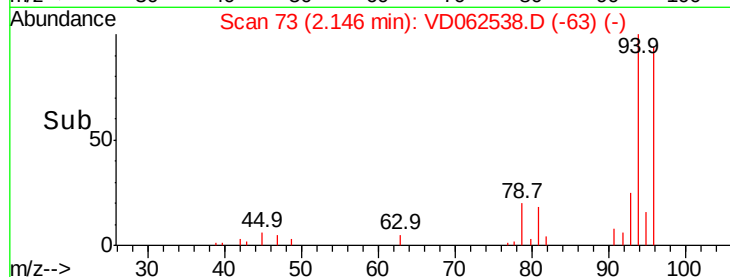
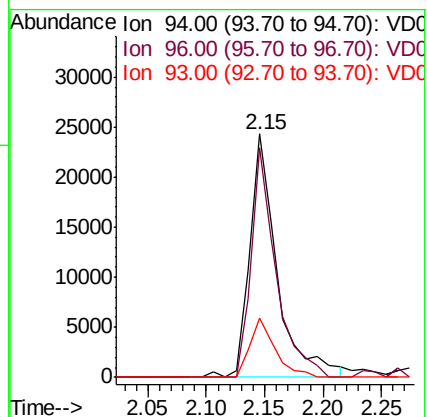
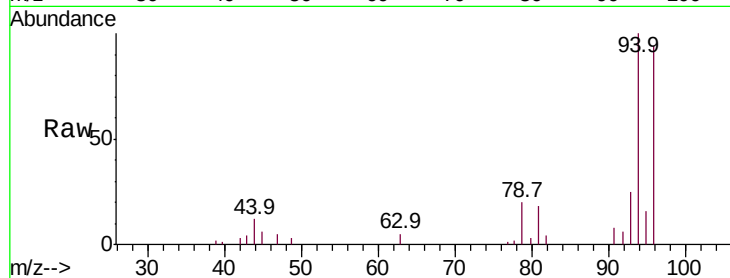
Tot Ion: 94 Resp: 39593

Ion Ratio Lower Upper

94 100

96 94.5 76.6 115.0

93 24.5 18.5 27.7



#6

Chloroethane

Concen: 26.753 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD062538.D

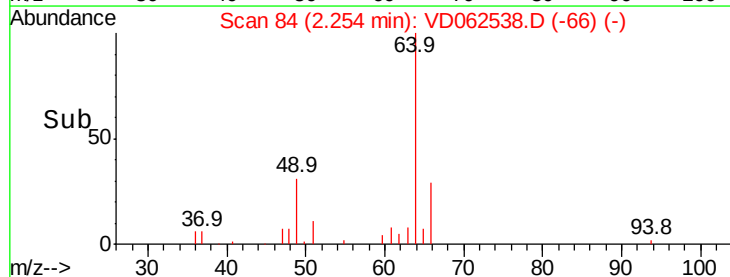
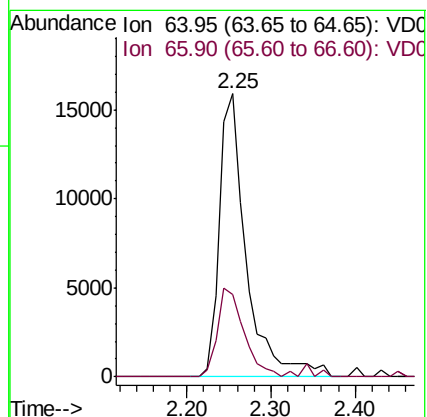
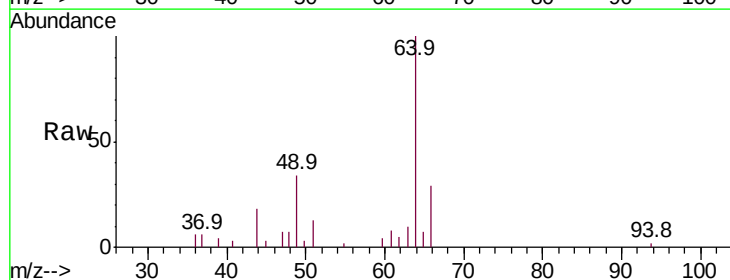
Acq: 28 May 2019 14:59

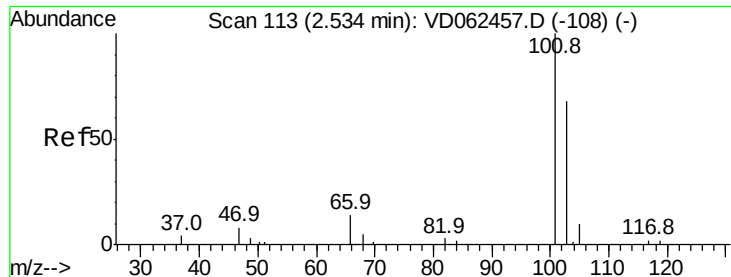
Tgt Ion: 64 Resp: 35333

Ion Ratio Lower Upper

64 100

66 29.3 25.6 38.4



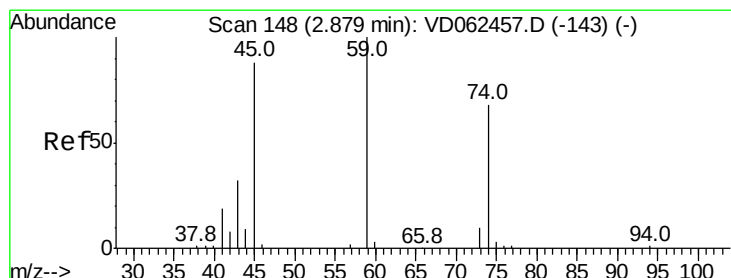
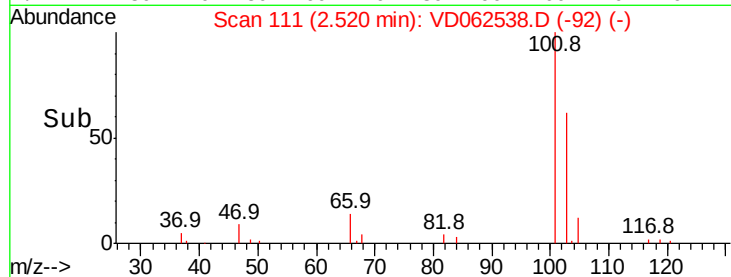
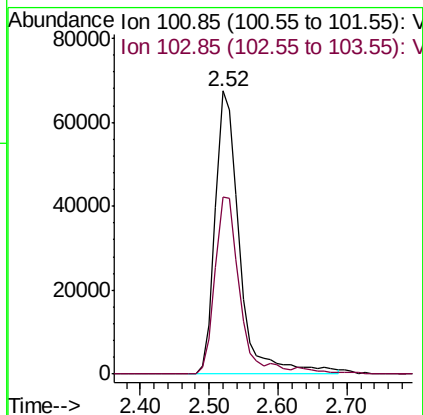
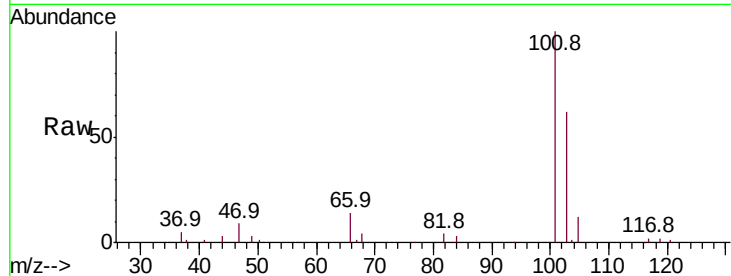


#7

Trichlorofluoromethane
 Concen: 26.270 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

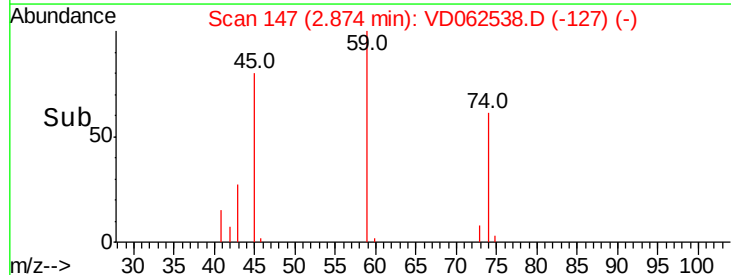
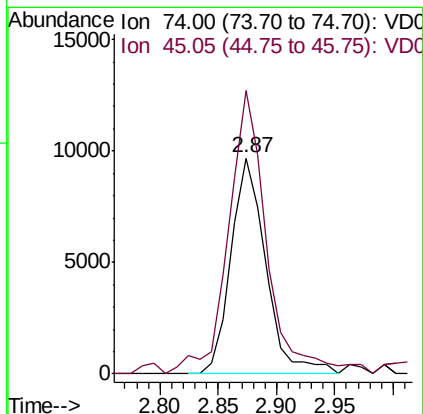
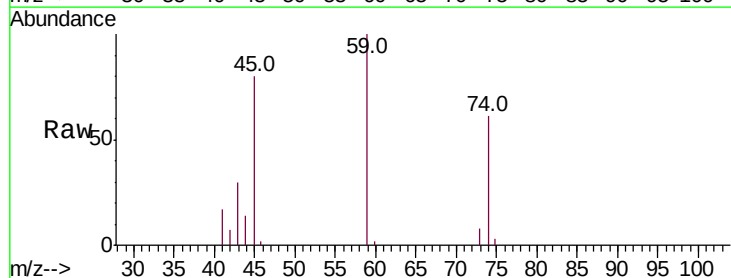
Tot Ion:101 Resp: 165712
 Ion Ratio Lower Upper
 101 100
 103 62.4 53.6 80.4

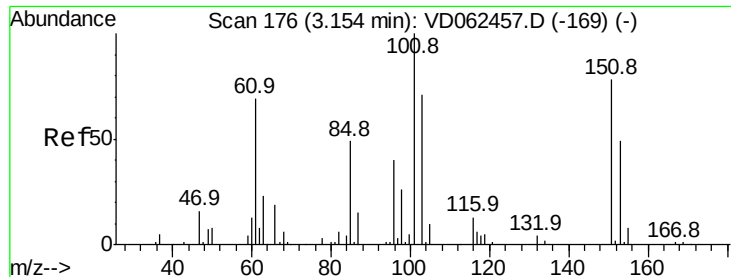


#8

Diethyl Ether
 Concen: 23.584 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion: 74 Resp: 20069
 Ion Ratio Lower Upper
 74 100
 45 135.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.635 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

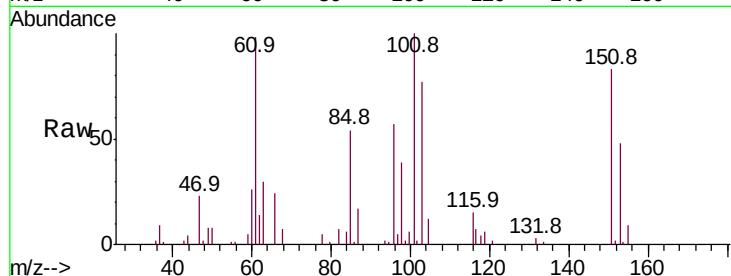
Tot Ion:101 Resp: 84946

Ion Ratio Lower Upper

101 100

85 54.3 32.4 48.6#

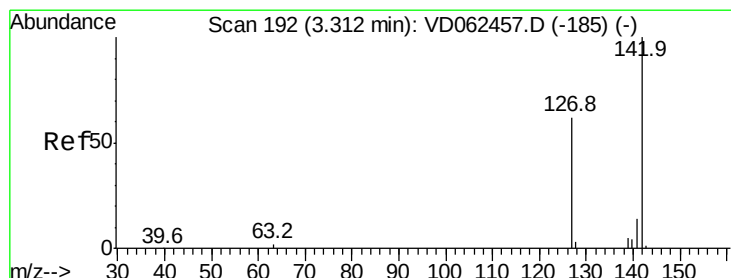
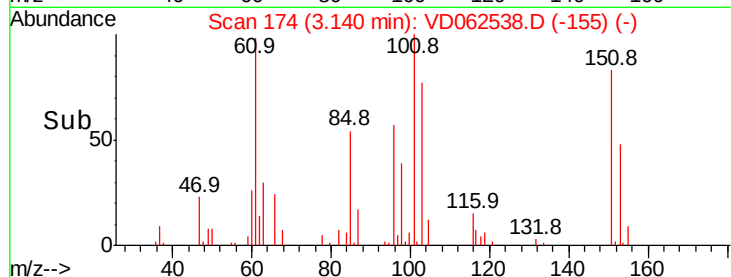
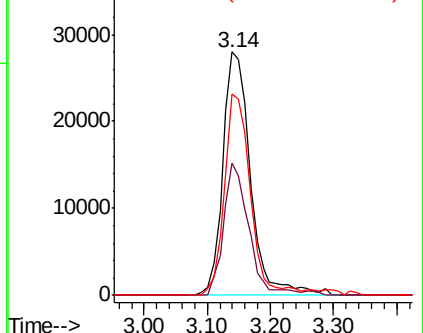
151 82.9 59.4 89.0



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: 20.917 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

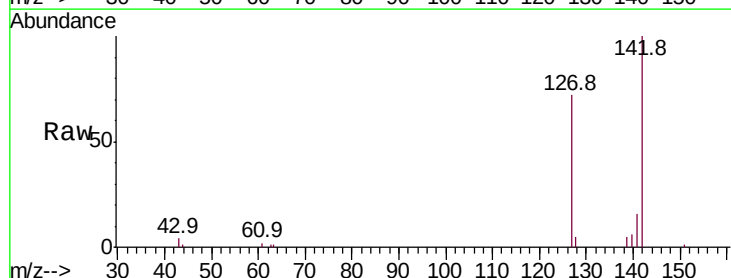
Tgt Ion:142 Resp: 109453

Ion Ratio Lower Upper

142 100

127 71.7 38.8 58.2#

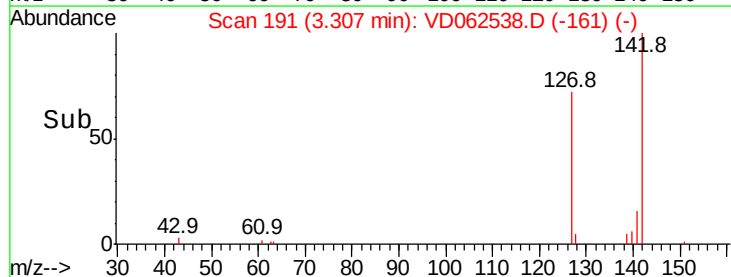
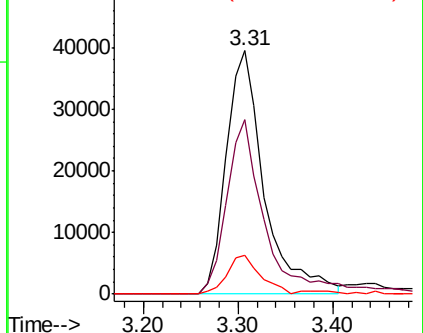
141 15.8 11.4 17.0

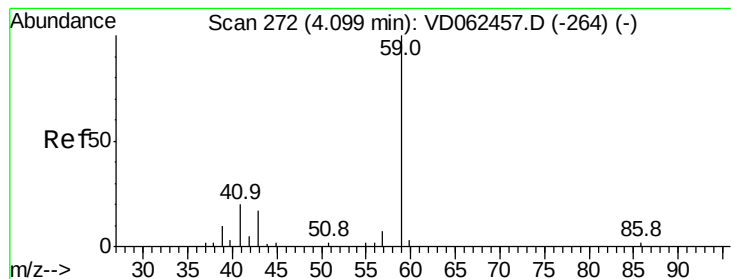


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 117.369 ug/l

RT: 4.09 min Scan# 271

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

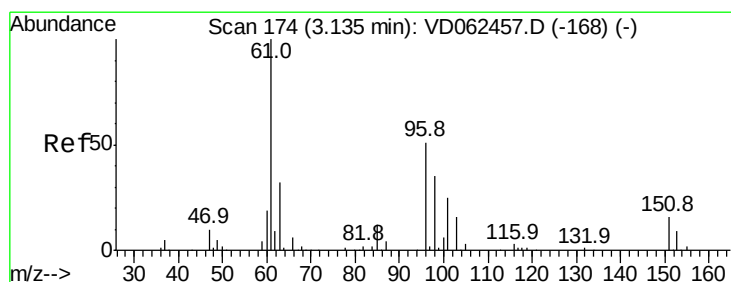
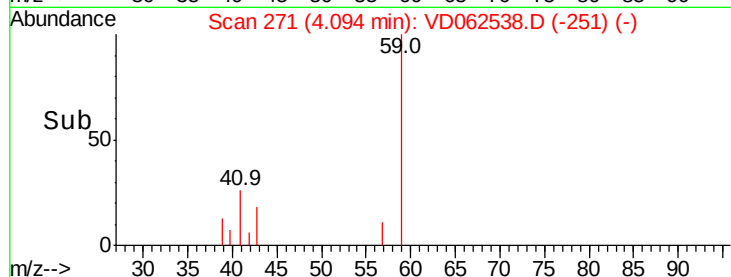
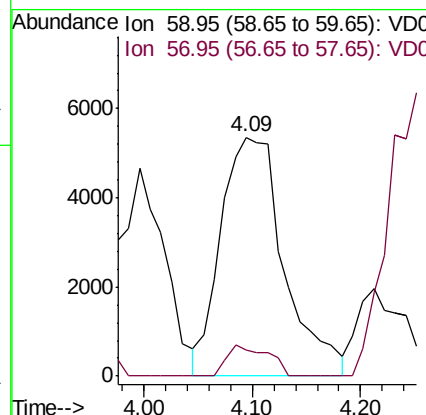
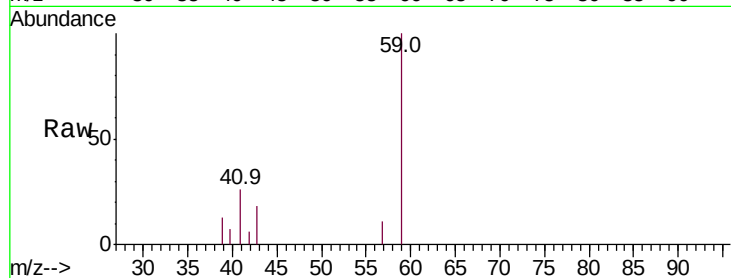
VD0528SBS01

Tot Ion: 59 Resp: 21719

Ion Ratio Lower Upper

59 100

57 10.9 6.9 10.3#



#12

1,1-Dichloroethene

Concen: 22.847 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.01 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

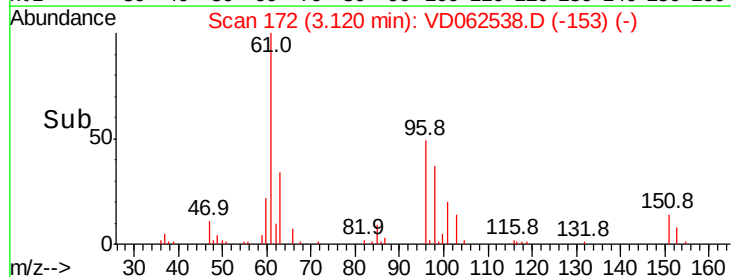
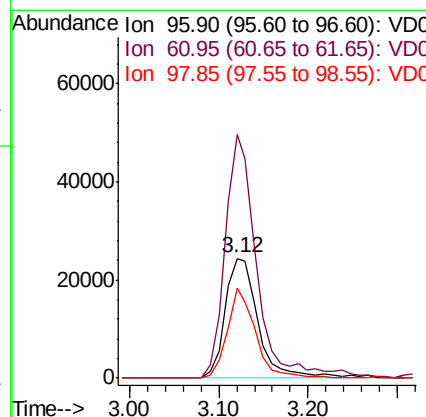
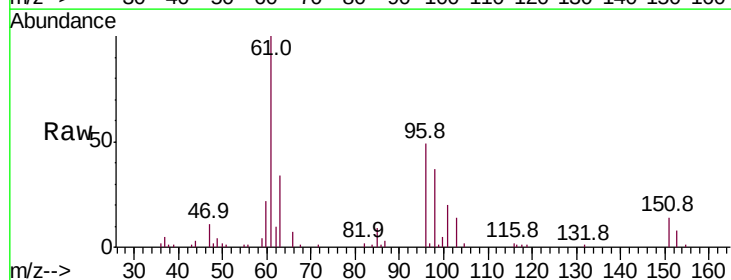
Tgt Ion: 96 Resp: 63367

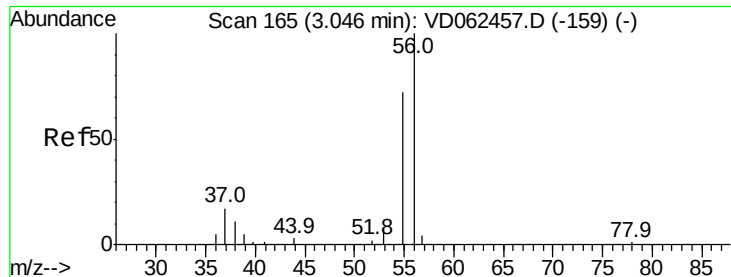
Ion Ratio Lower Upper

96 100

61 203.7 129.8 194.8#

98 75.0 51.2 76.8





#13

Acrolein

Concen: 113.872 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

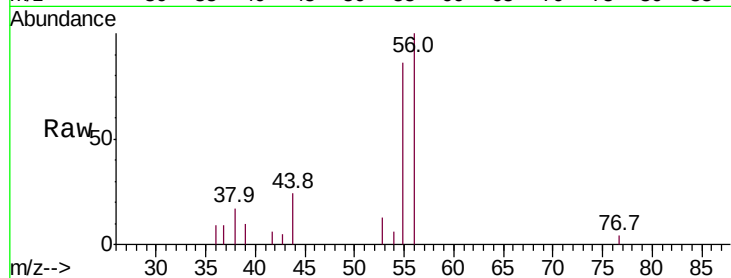
VD0528SBS01

Tot Ion: 56 Resp: 17499

Ion Ratio Lower Upper

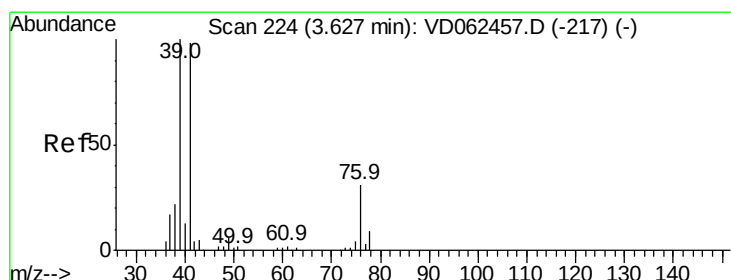
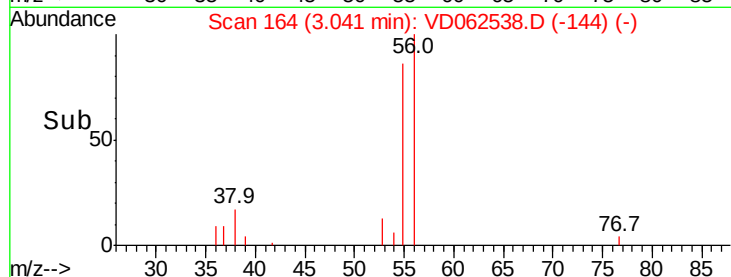
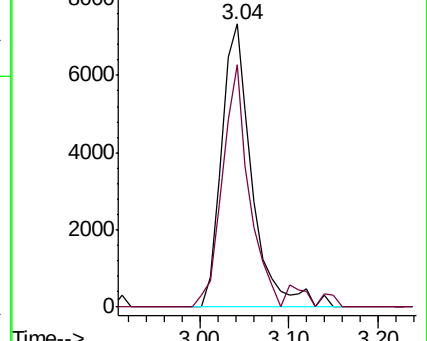
56 100

55 85.5 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: 20.465 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

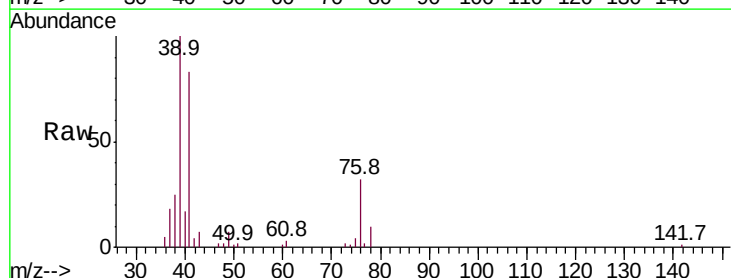
Tgt Ion: 41 Resp: 83693

Ion Ratio Lower Upper

41 100

39 120.1 60.5 90.7#

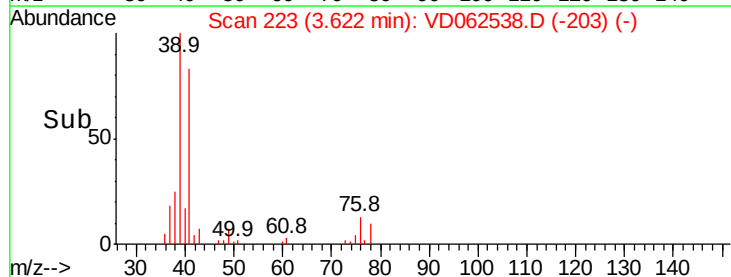
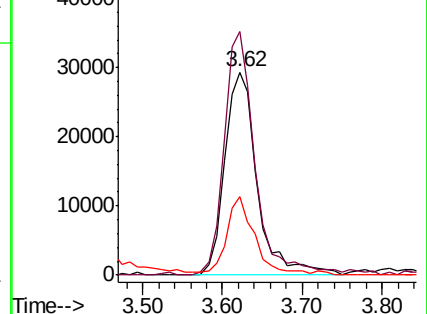
76 38.5 31.8 47.8

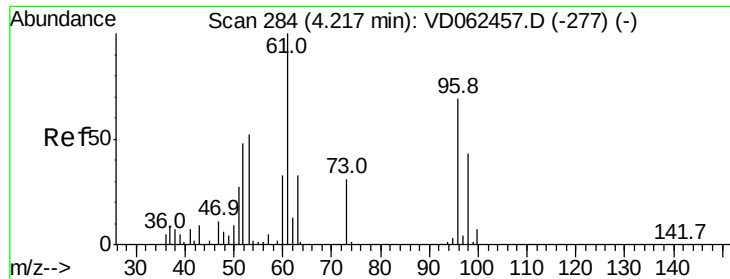


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.499 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

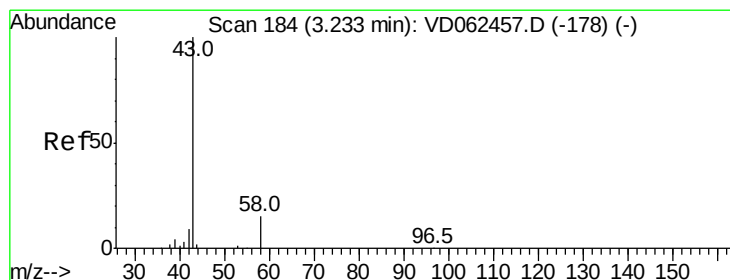
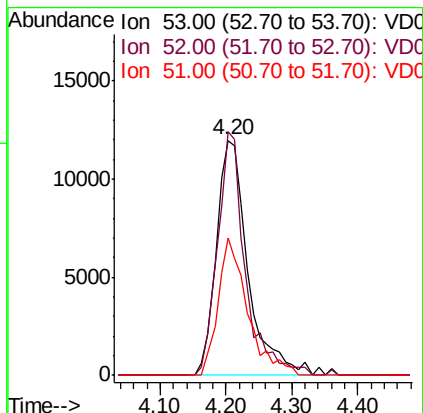
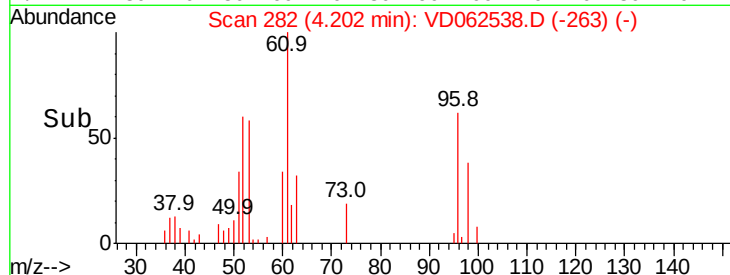
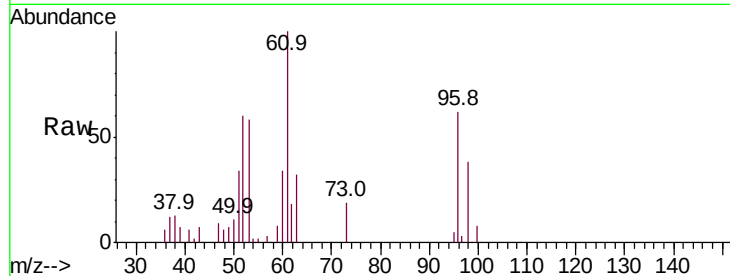
Tot Ion: 53 Resp: 40494

Ion Ratio Lower Upper

53 100

52 103.5 65.0 97.4#

51 58.6 32.6 48.8#



#16

Acetone

Concen: 105.000 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062538.D

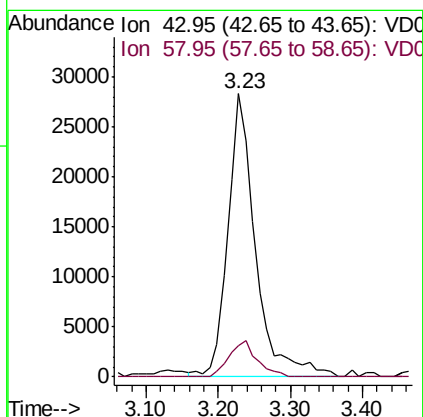
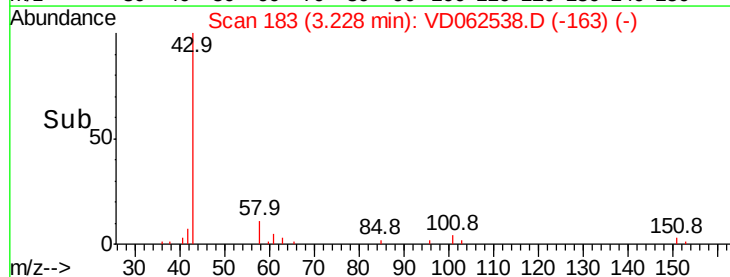
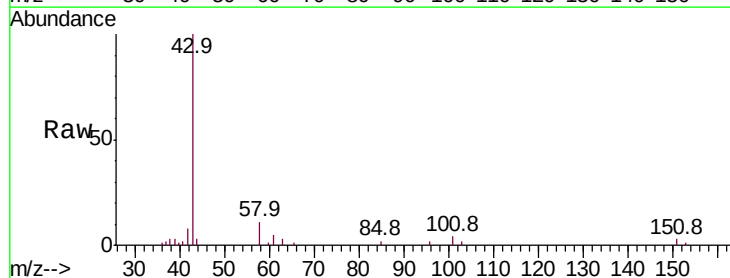
Acq: 28 May 2019 14:59

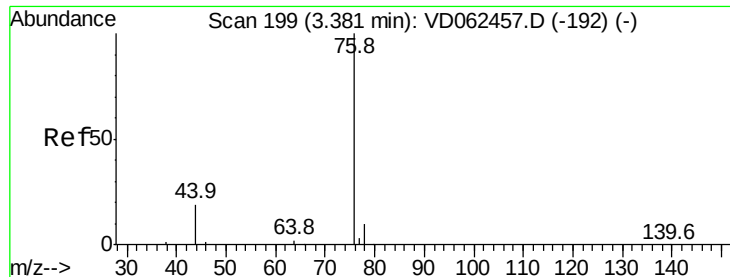
Tgt Ion: 43 Resp: 75432

Ion Ratio Lower Upper

43 100

58 11.1 19.9 29.9#





#17

Carbon Disulfide

Concen: 20.807 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

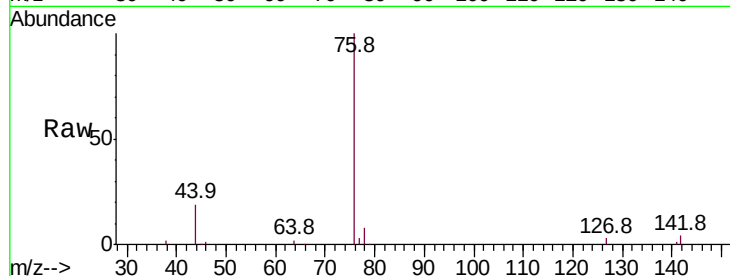
VD0528SBS01

Tot Ion: 76 Resp: 174778

Ion Ratio Lower Upper

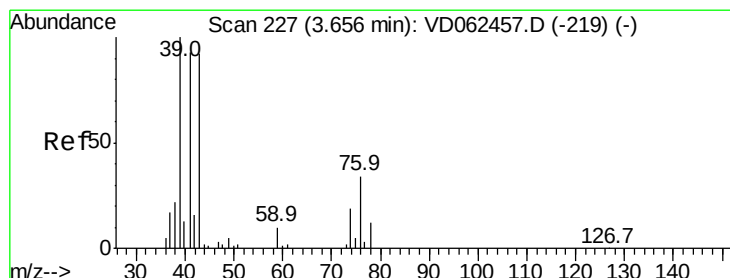
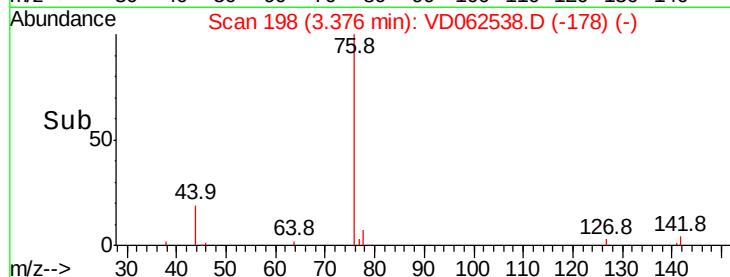
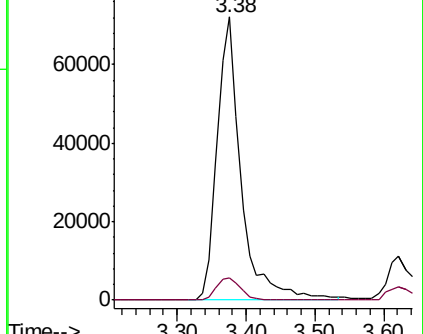
76 100

78 8.1 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: 20.679 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062538.D

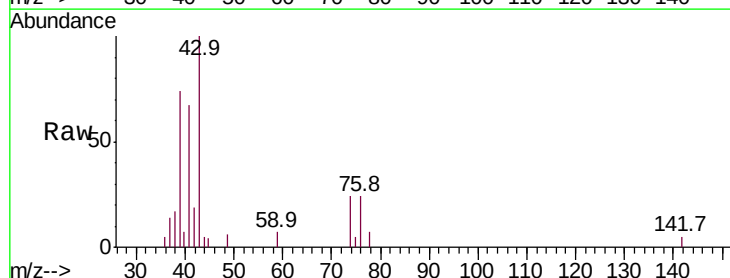
Acq: 28 May 2019 14:59

Tgt Ion: 43 Resp: 25635

Ion Ratio Lower Upper

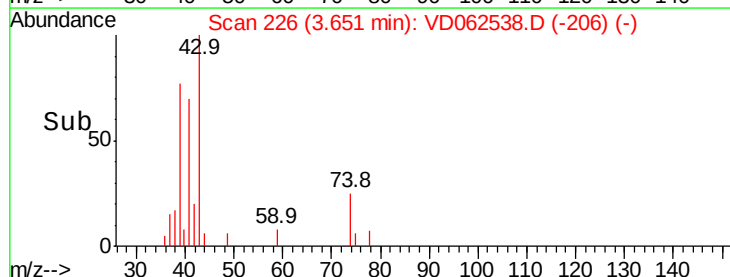
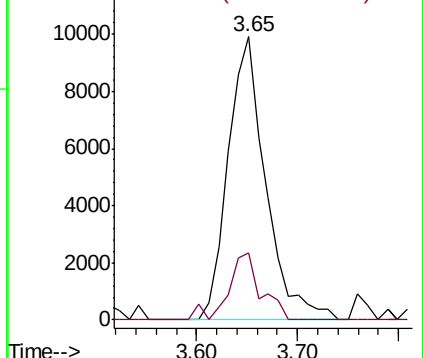
43 100

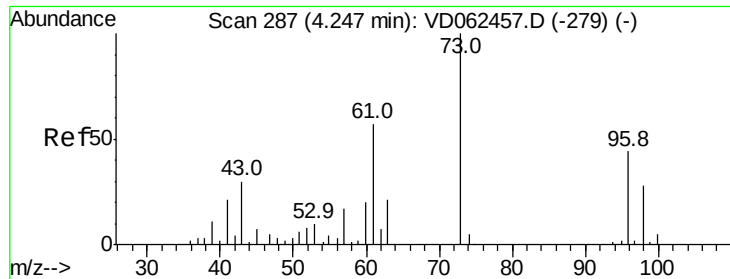
74 23.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

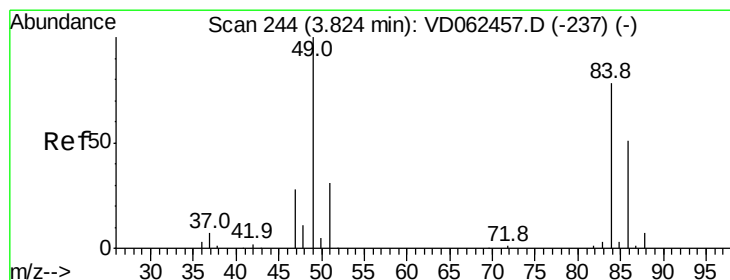
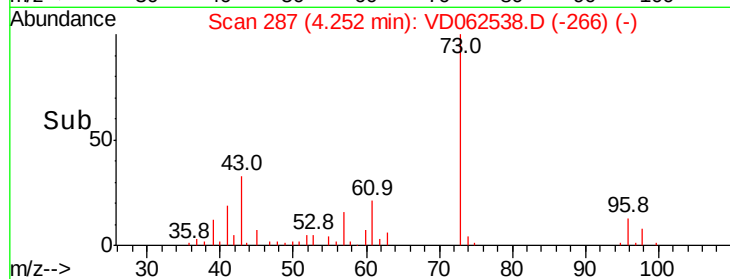
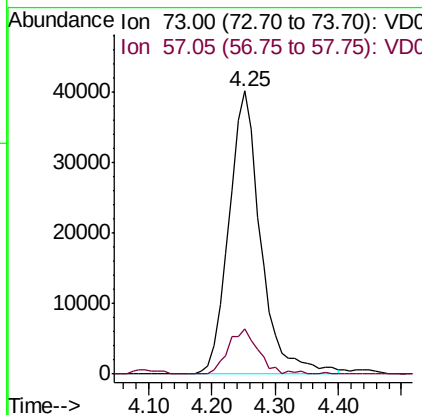
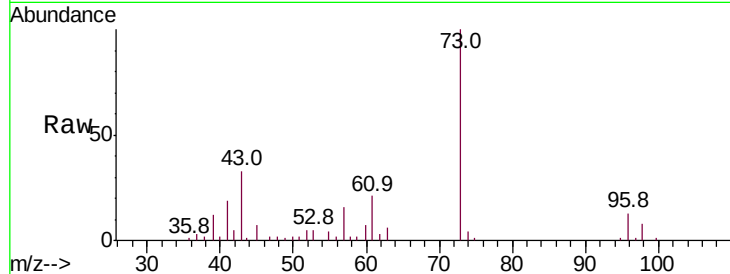




#19
Methyl tert-butyl Ether
Concen: 21.861 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

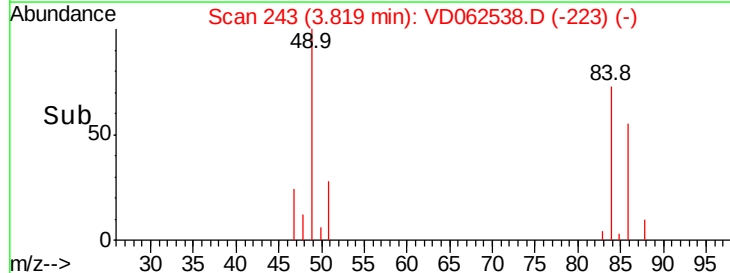
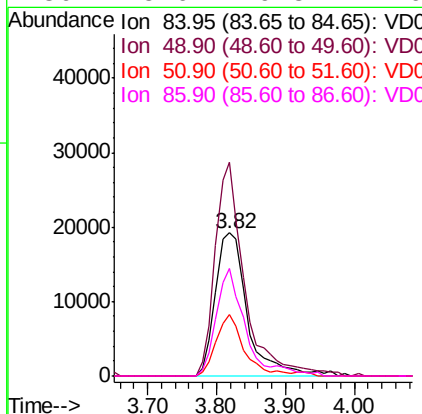
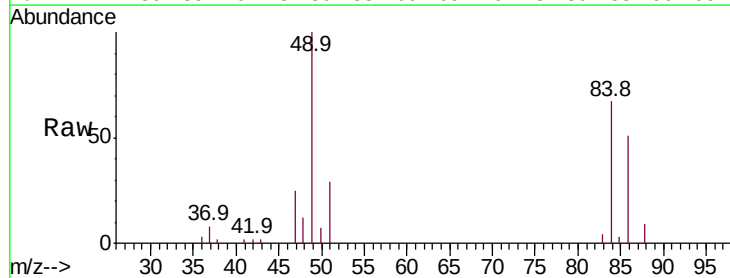
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

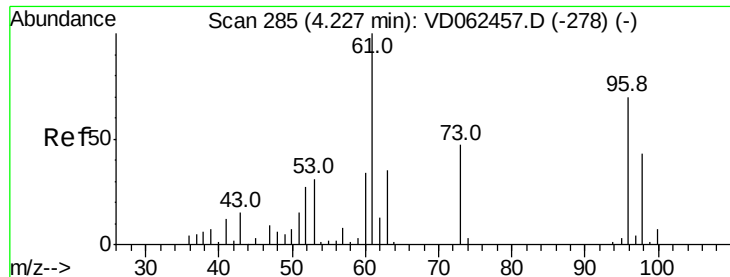
Tot Ion: 73 Resp: 140048
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#20
Methylene Chloride
Concen: 16.063 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion: 84 Resp: 62249
Ion Ratio Lower Upper
84 100
49 149.5 94.0 141.0#
51 42.8 29.0 43.4
86 75.6 49.8 74.6#





#21

trans-1,2-Dichloroethene

Concen: 19.010 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

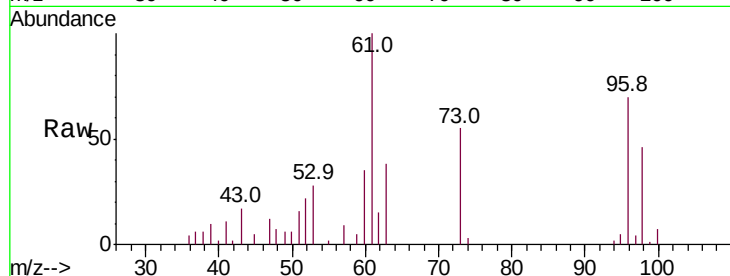
Tot Ion: 96 Resp: 61724

Ion Ratio Lower Upper

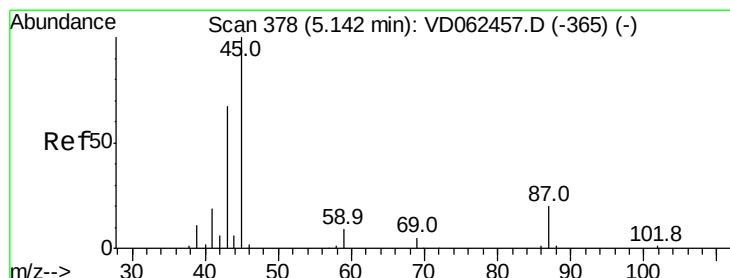
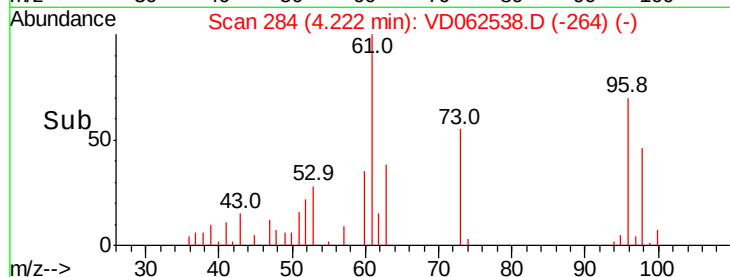
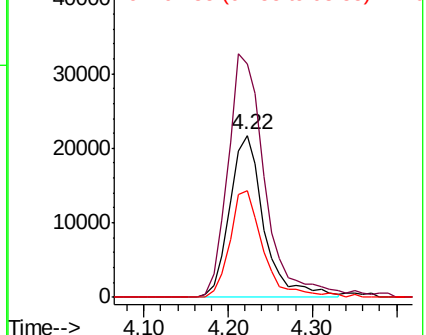
96 100

61 143.6 104.4 156.6

98 65.4 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.871 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Tgt Ion: 45 Resp: 172971

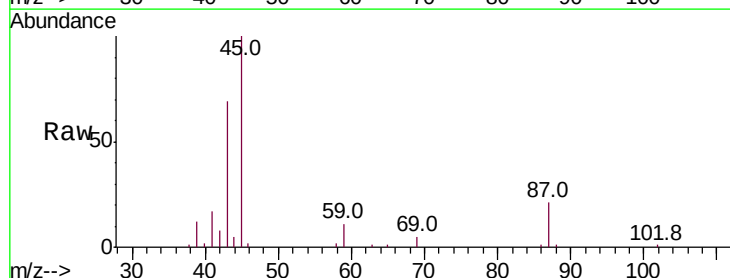
Ion Ratio Lower Upper

45 100

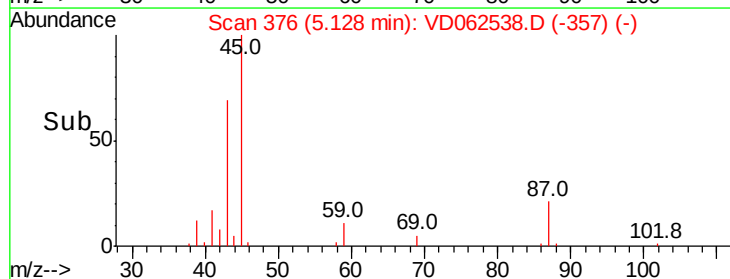
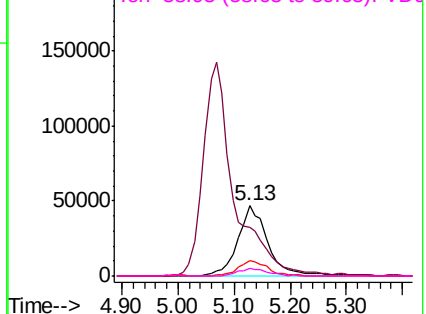
43 68.9 46.2 69.2

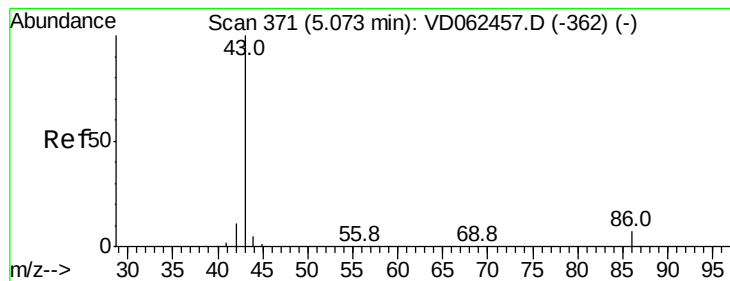
87 21.1 15.9 23.9

59 10.7 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: 103.879 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

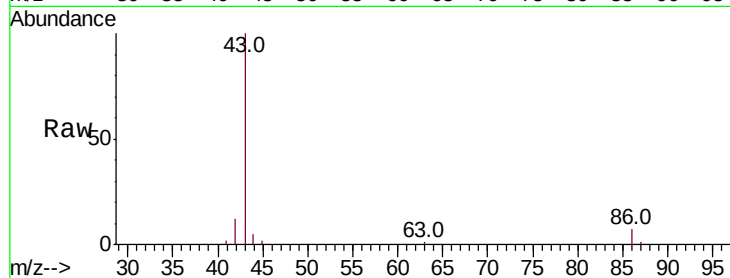
VD0528SBS01

Tot Ion: 43 Resp: 546393

Ion Ratio Lower Upper

43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

150000

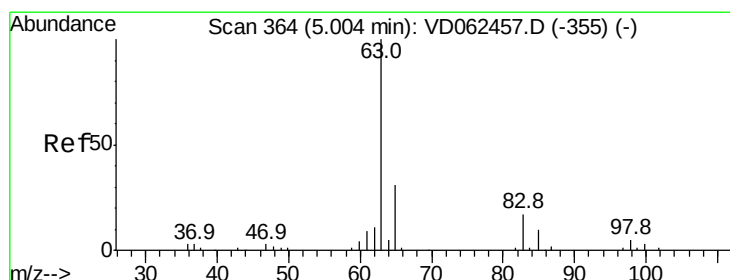
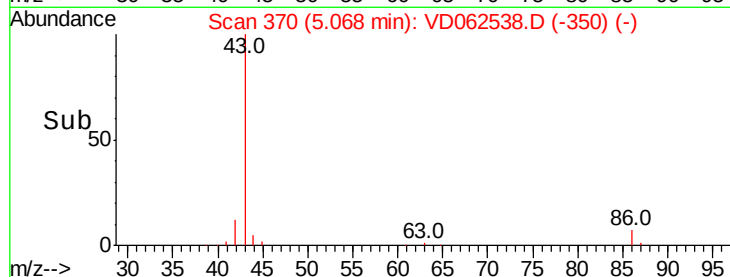
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 20.470 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

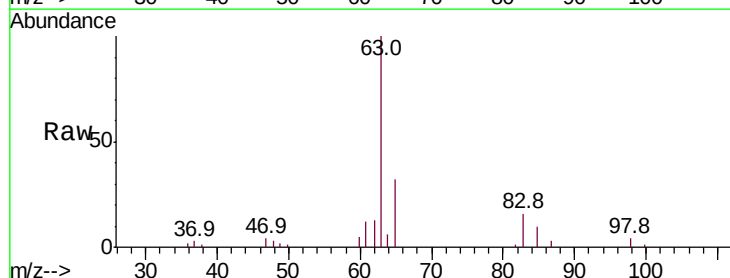
Tgt Ion: 63 Resp: 114757

Ion Ratio Lower Upper

63 100

98 3.9 2.8 8.4

100 1.5 1.8 5.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

40000

30000

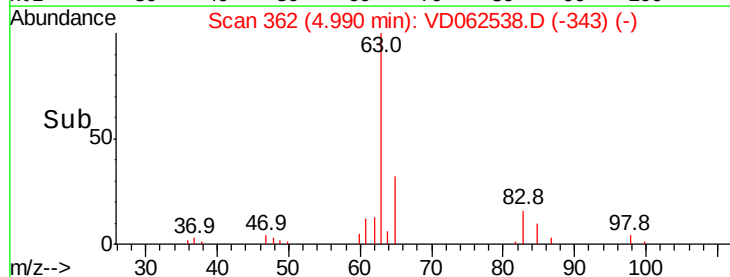
20000

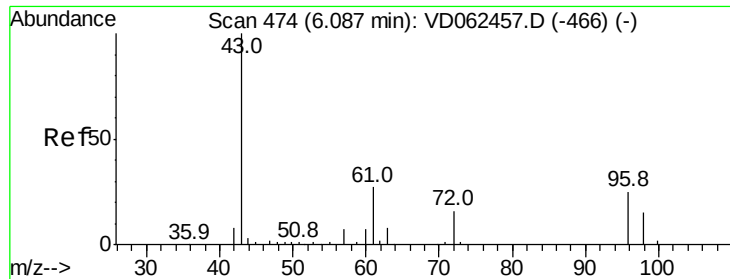
10000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 100.023 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

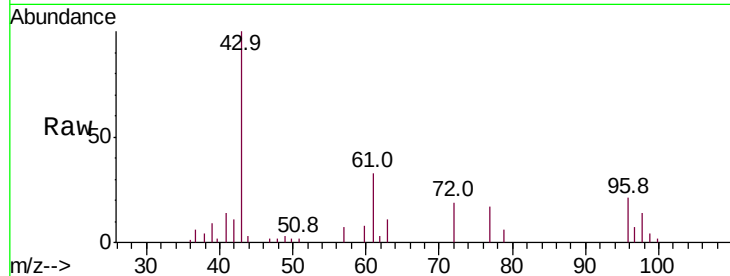
VD0528SBS01

Tot Ion: 43 Resp: 75155

Ion Ratio Lower Upper

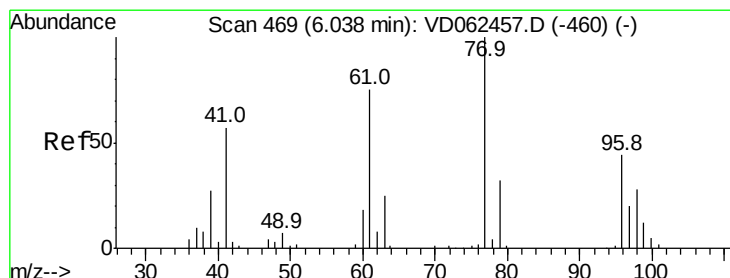
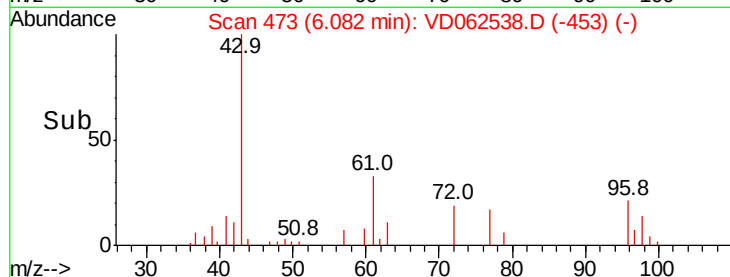
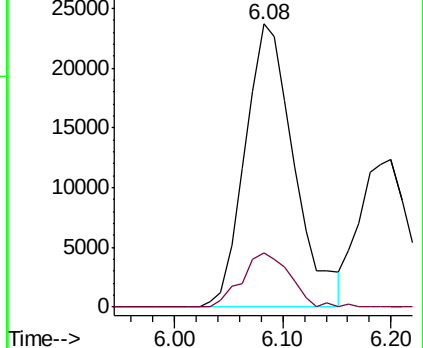
43 100

72 19.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.200 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062538.D

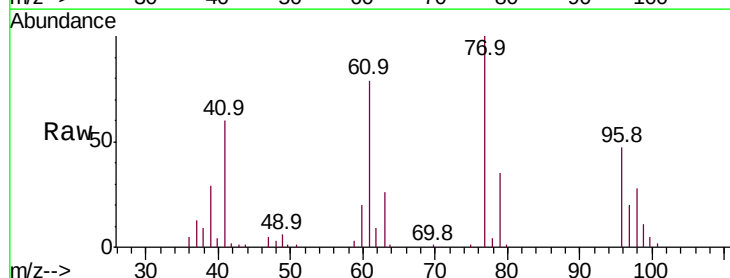
Acq: 28 May 2019 14:59

Tgt Ion: 77 Resp: 140203

Ion Ratio Lower Upper

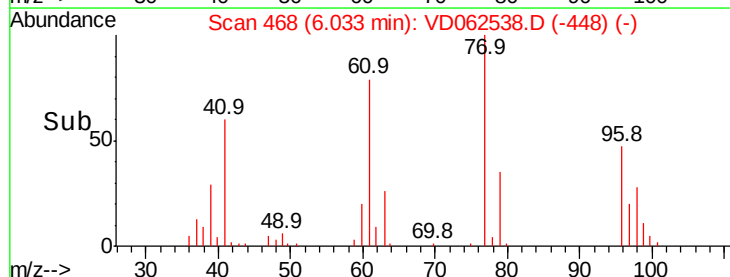
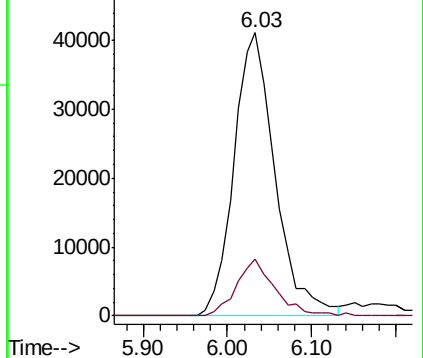
77 100

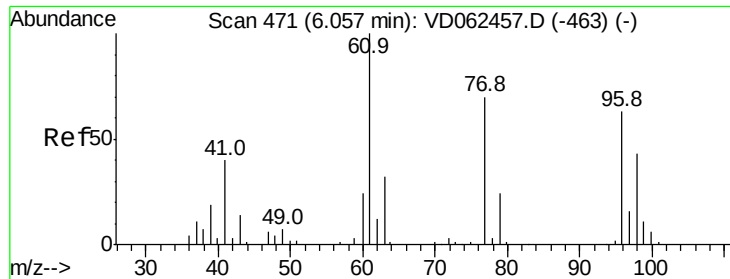
97 19.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



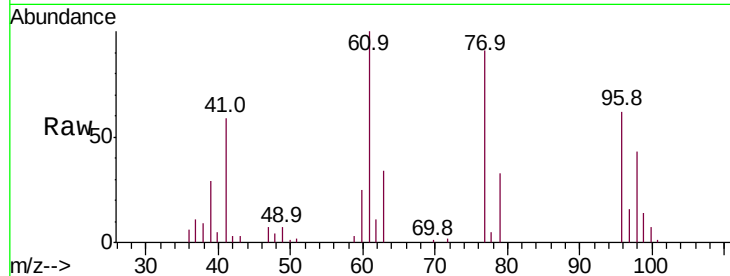


#27

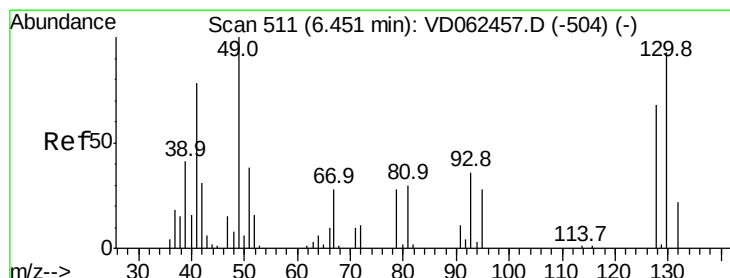
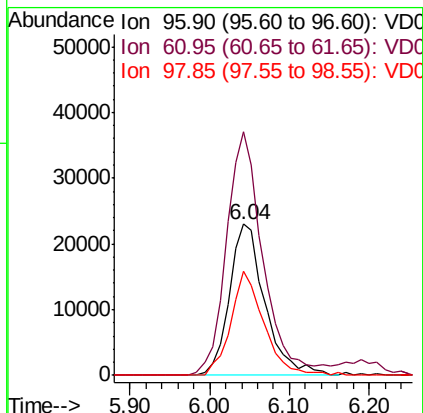
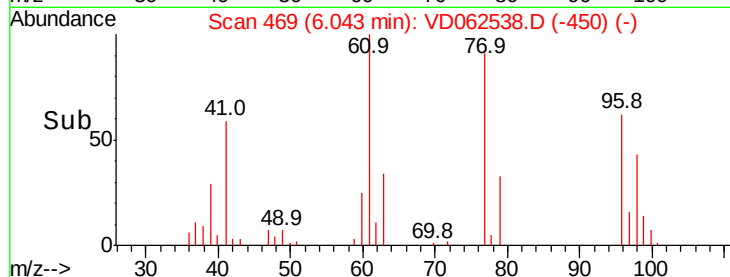
cis-1,2-Dichloroethene
 Concen: 20.375 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	279.8
98	68.5	0.0	136.0



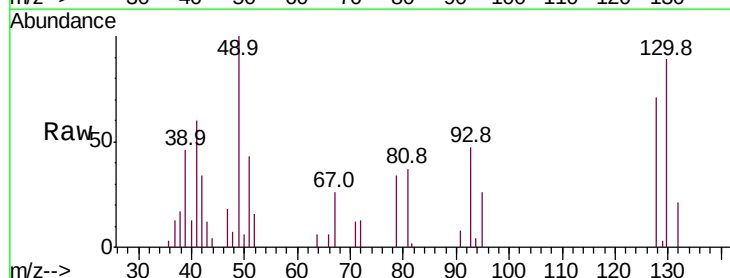
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



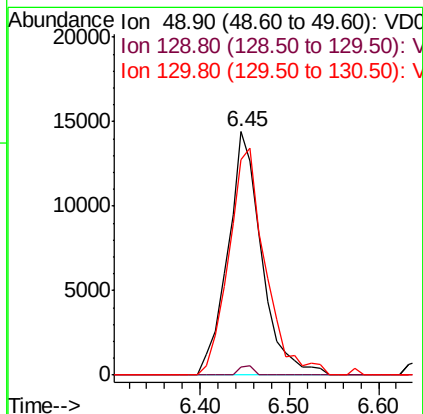
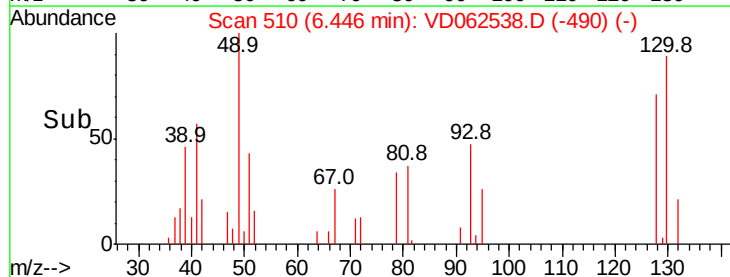
#28

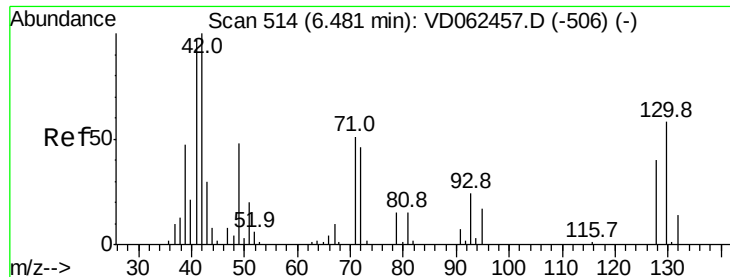
Bromochloromethane
 Concen: 18.996 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	6.6
130	88.5	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

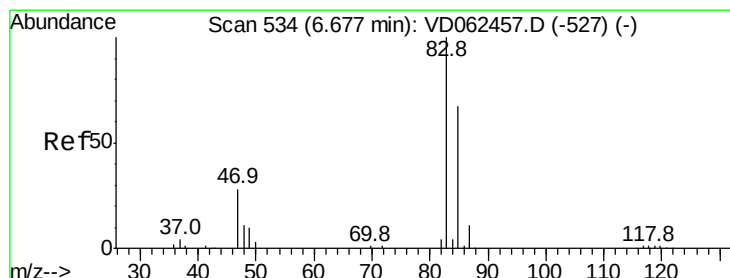
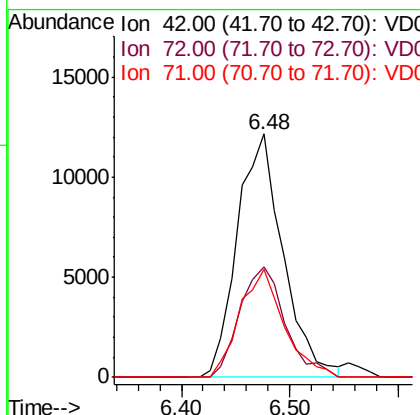
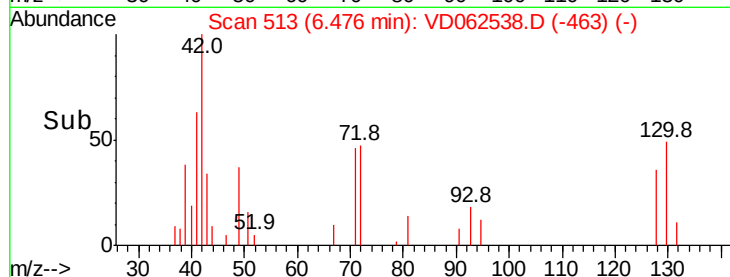
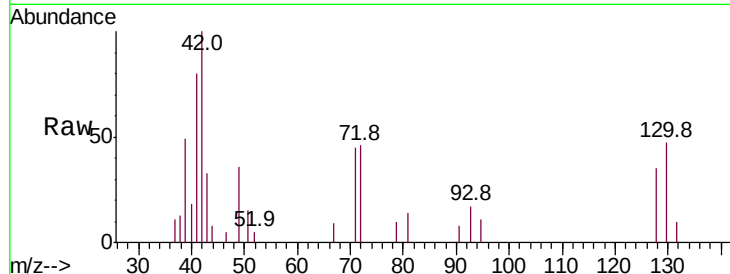




#29
Tetrahydrofuran
Concen: 99.415 ug/l
RT: 6.48 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

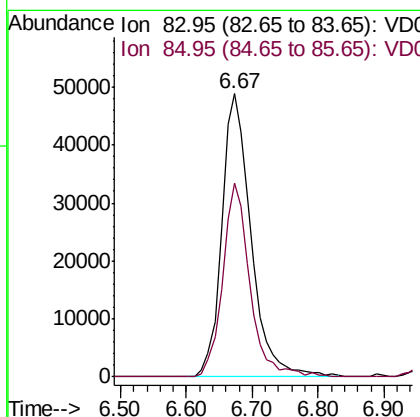
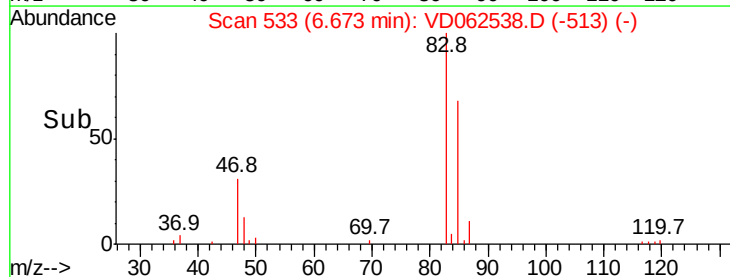
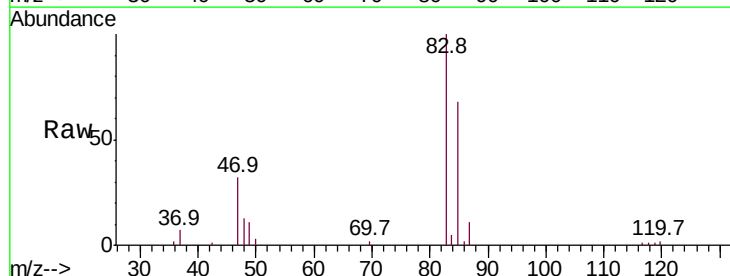
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

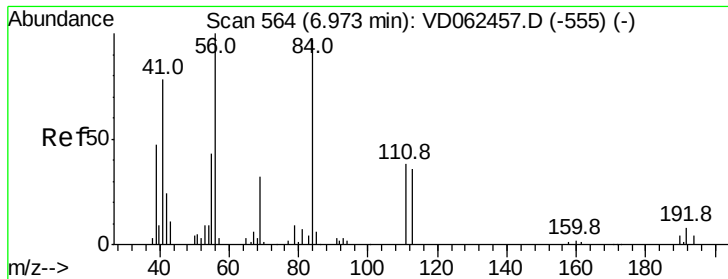
Tot Ion: 42 Resp: 35675
Ion Ratio Lower Upper
42 100
72 45.1 37.8 56.6
71 43.1 36.7 55.1



#30
Chloroform
Concen: 21.194 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion: 83 Resp: 151477
Ion Ratio Lower Upper
83 100
85 68.3 51.7 77.5

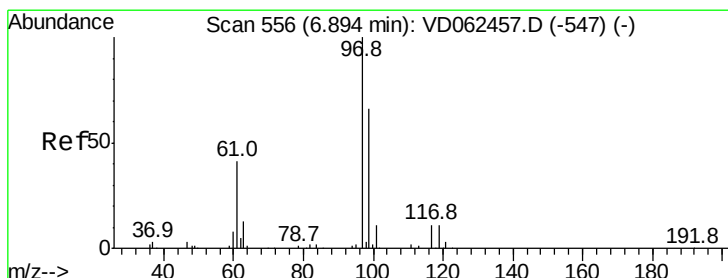
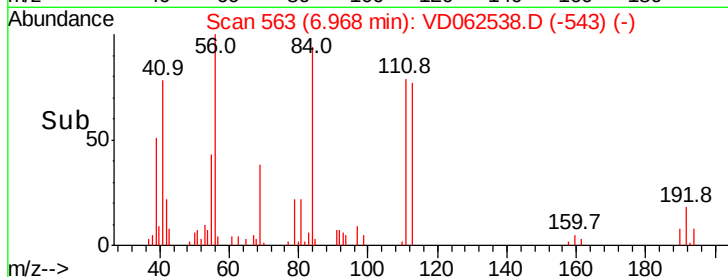
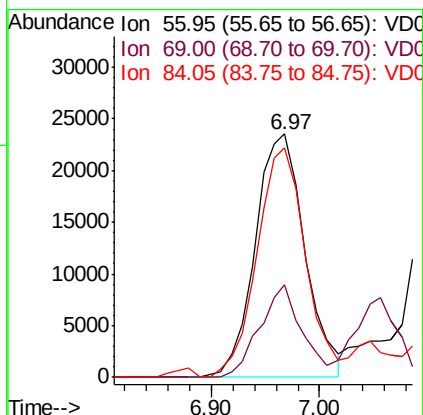
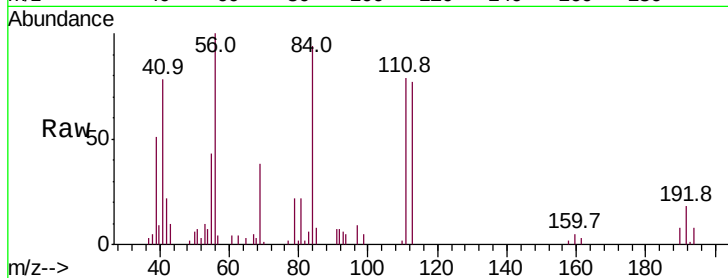




#31
Cyclohexane
Concen: 19.790 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

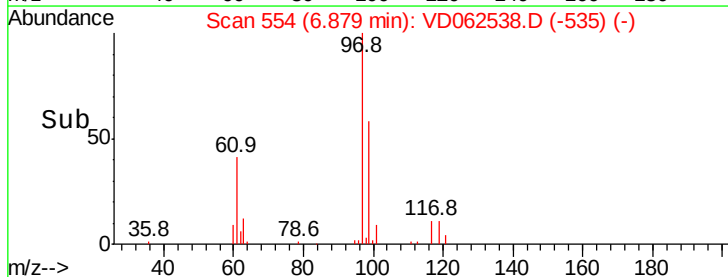
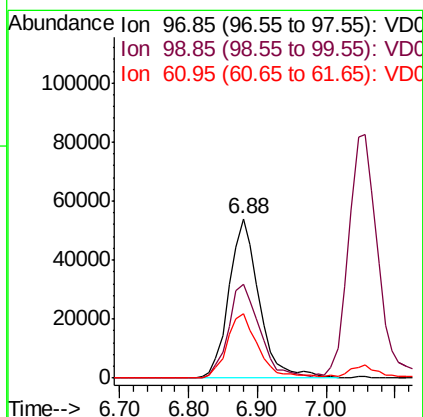
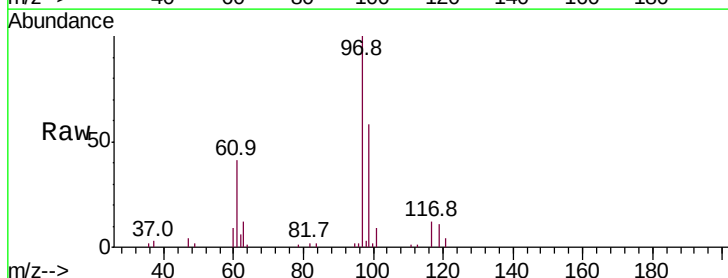
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

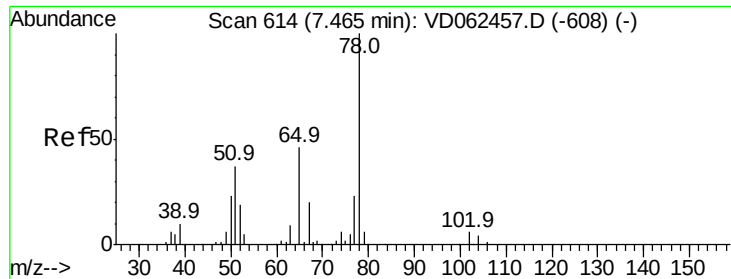
Tot Ion: 56 Resp: 74909
Ion Ratio Lower Upper
56 100
69 38.2 25.8 38.6
84 94.5 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 22.634 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion: 97 Resp: 163326
Ion Ratio Lower Upper
97 100
99 58.4 52.2 78.2
61 40.5 32.4 48.6

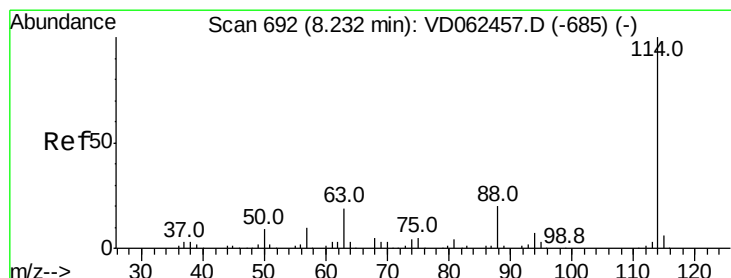
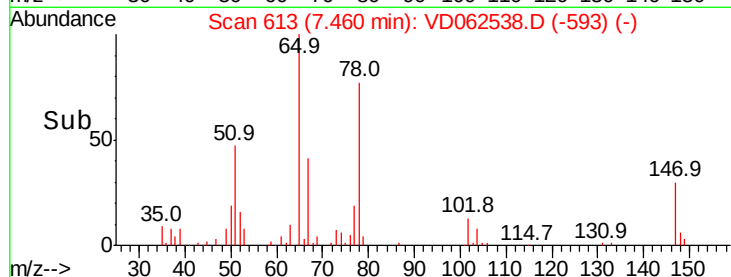
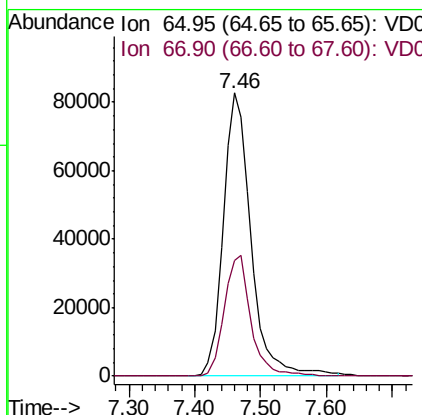
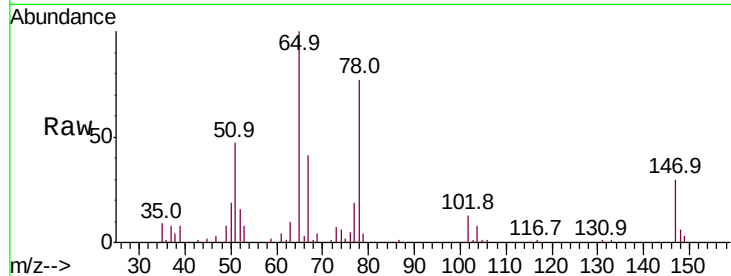




#33
 1,2-Dichloroethane-d4
 Concen: 60.513 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

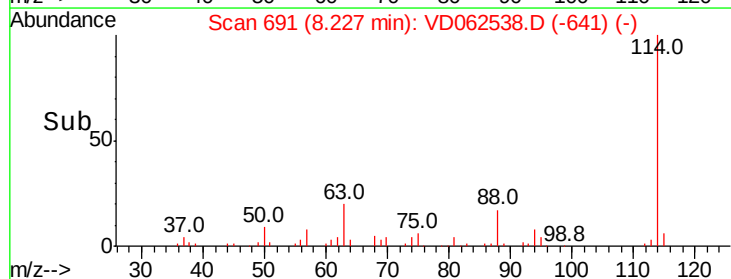
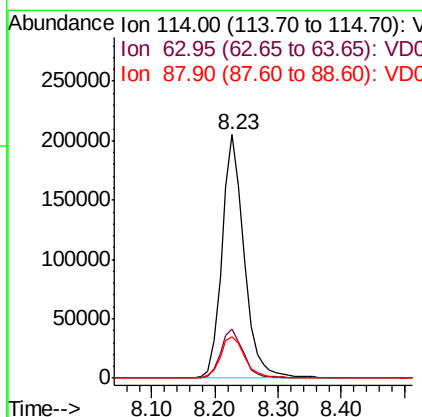
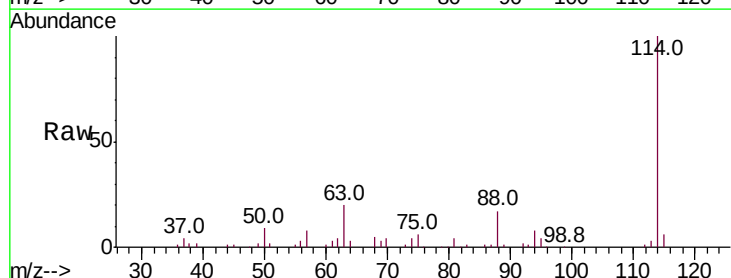
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

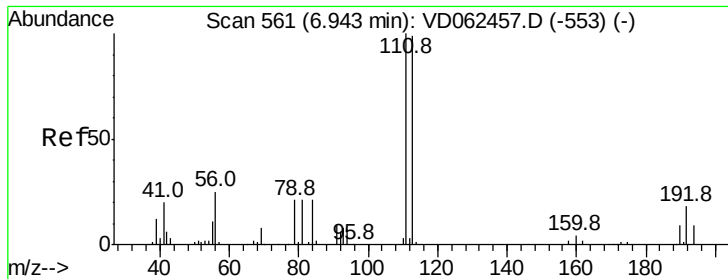
Tot Ion: 65 Resp: 242597
 Ion Ratio Lower Upper
 65 100
 67 40.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion: 114 Resp: 500311
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 32.4
 88 17.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.067 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

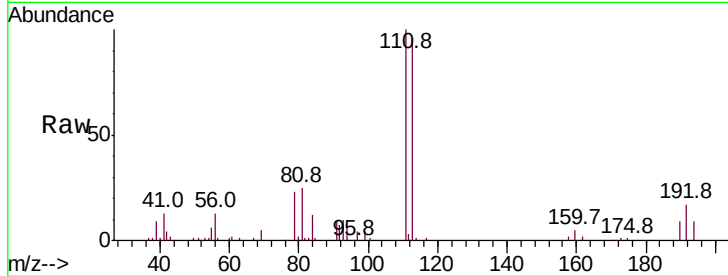
Tot Ion:113 Resp: 235001

Ion Ratio Lower Upper

113 100

111 104.4 78.5 117.7

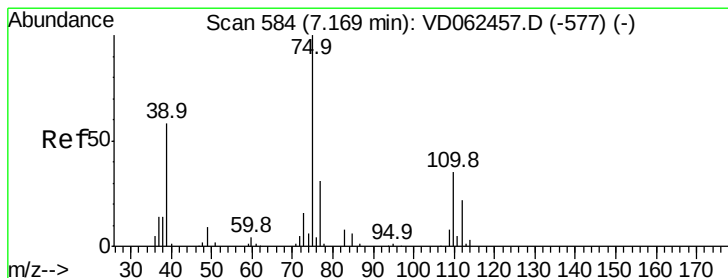
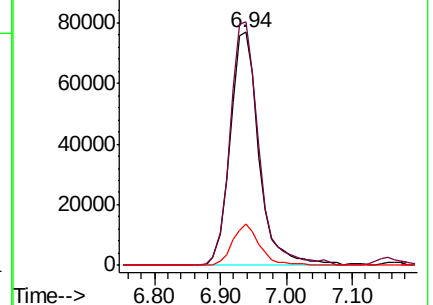
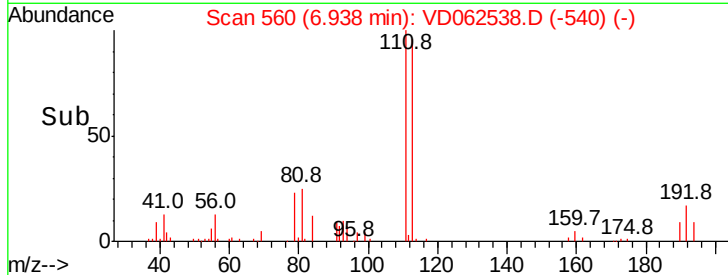
192 17.7 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.922 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

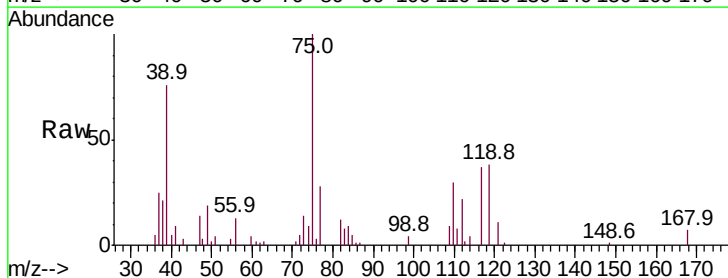
Tgt Ion: 75 Resp: 104858

Ion Ratio Lower Upper

75 100

110 30.2 19.1 57.1

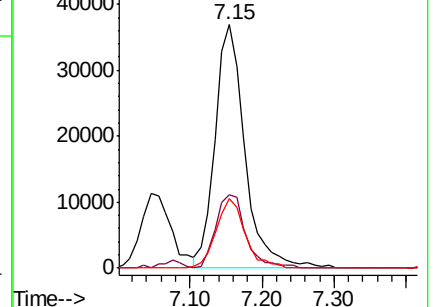
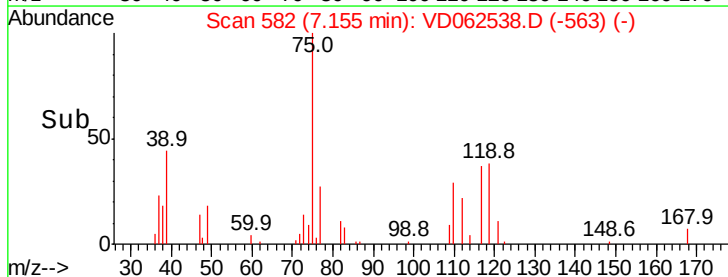
77 28.5 25.6 38.4

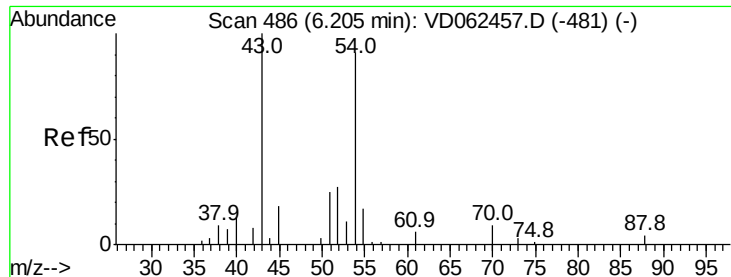


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

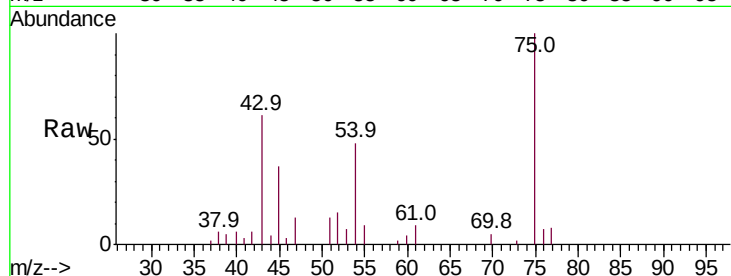




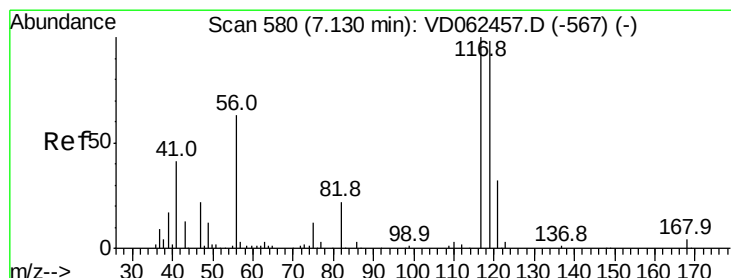
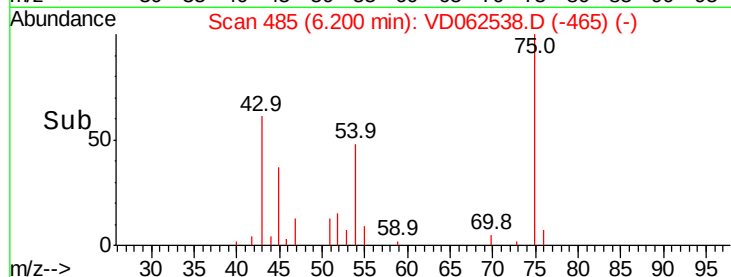
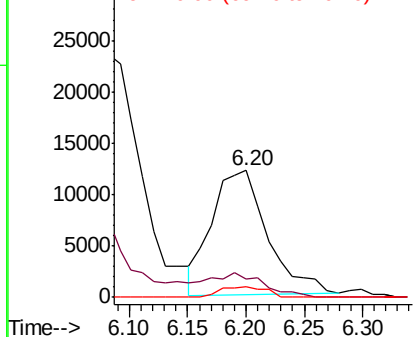
#37
Ethyl Acetate
Concen: 21.522 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

Tot Ion: 43 Resp: 39992
Ion Ratio Lower Upper
43 100
61 14.5 14.7 22.1#
70 8.7 7.8 11.6

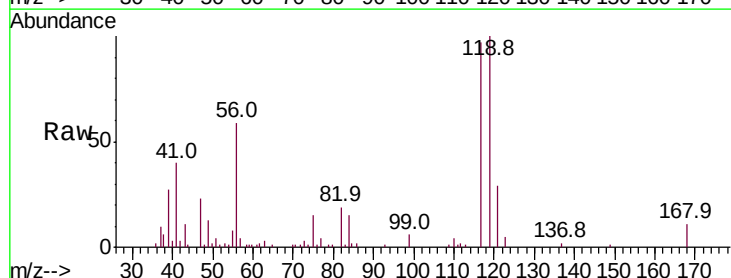


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

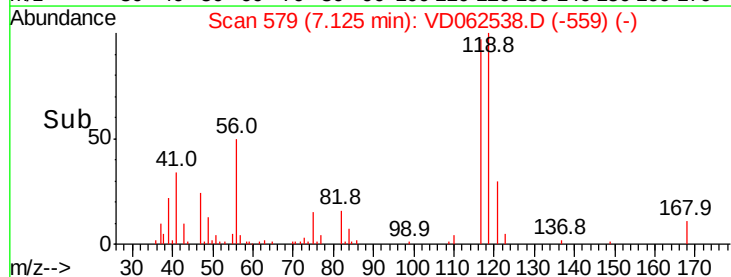
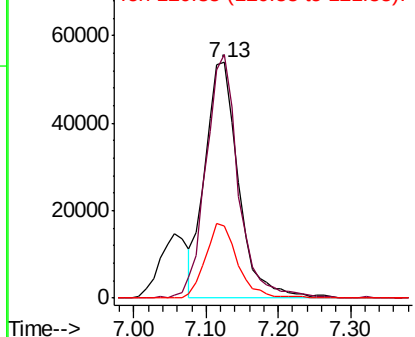


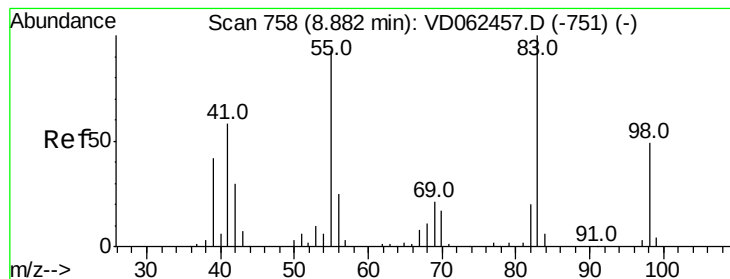
#38
Carbon Tetrachloride
Concen: 24.333 ug/l
RT: 7.13 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion: 117 Resp: 172982
Ion Ratio Lower Upper
117 100
119 103.2 75.8 113.8
121 30.4 25.9 38.9



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





#39

Methylvlcyclohexane

Concen: 20.914 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

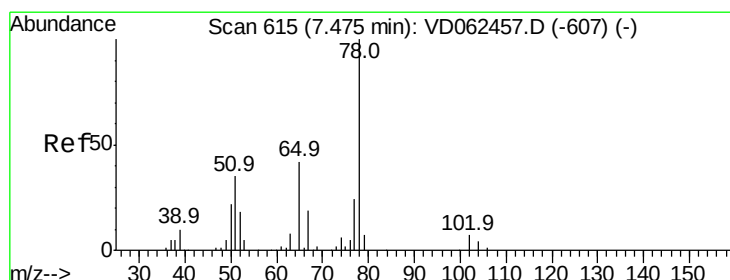
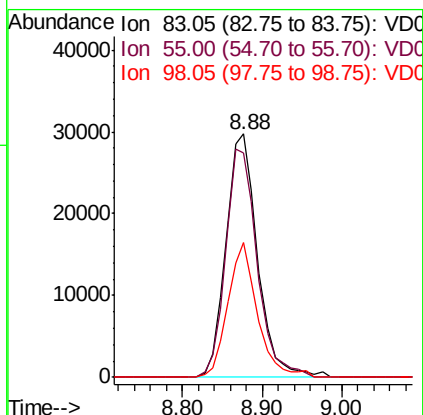
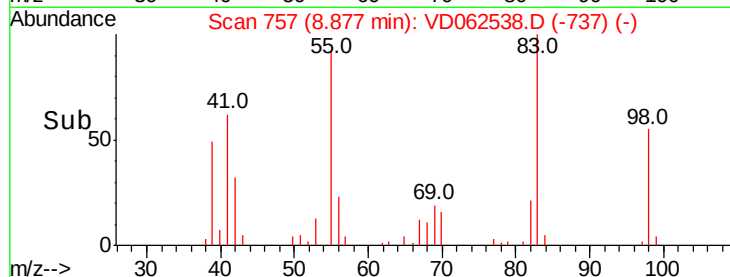
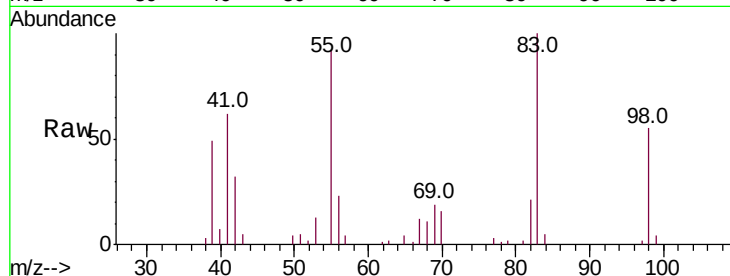
Tot Ion: 83 Resp: 82513

Ion Ratio Lower Upper

83 100

55 92.0 68.2 102.4

98 55.2 38.2 57.4



#40

Benzene

Concen: 19.840 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062538.D

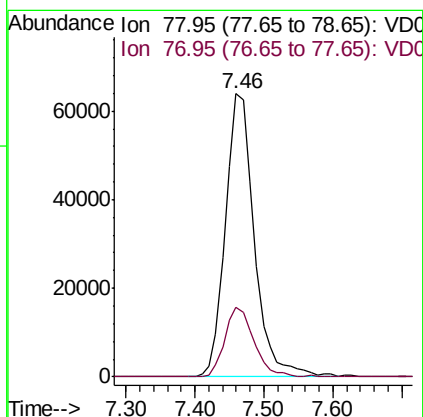
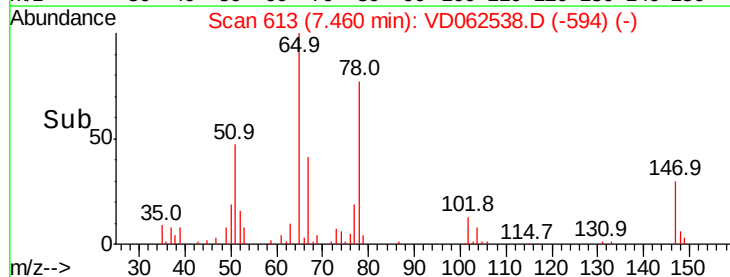
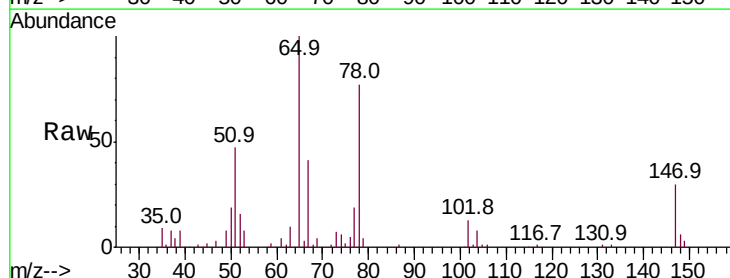
Acq: 28 May 2019 14:59

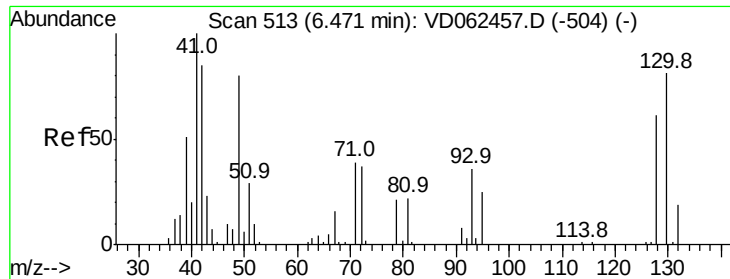
Tgt Ion: 78 Resp: 186147

Ion Ratio Lower Upper

78 100

77 24.7 19.7 29.5





#41

Methacrylonitrile

Concen: 20.256 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

Tot Ion: 41 Resp: 47274

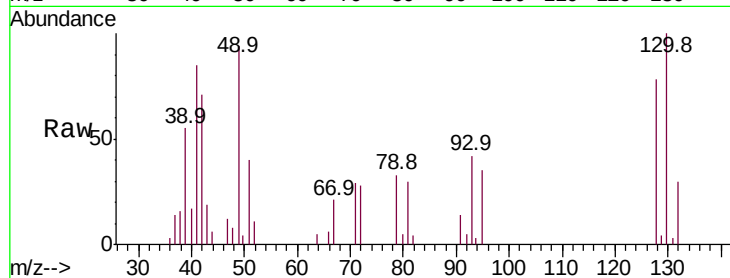
Ion Ratio Lower Upper

41 100

39 64.9 34.1 51.1#

67 24.2 23.8 35.6

52 13.5 8.8 13.2#

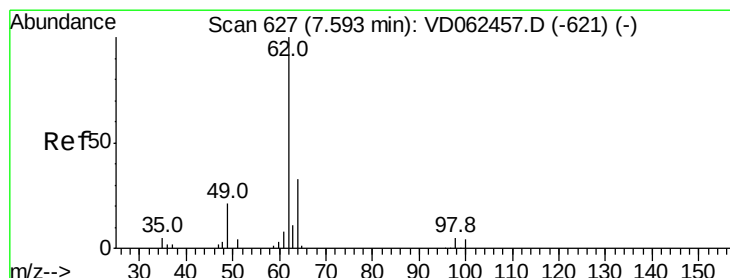
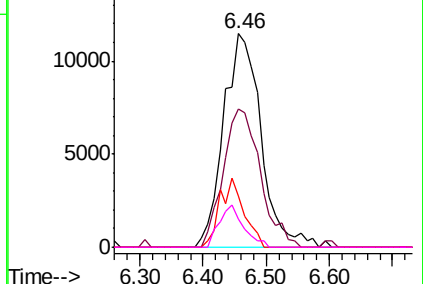
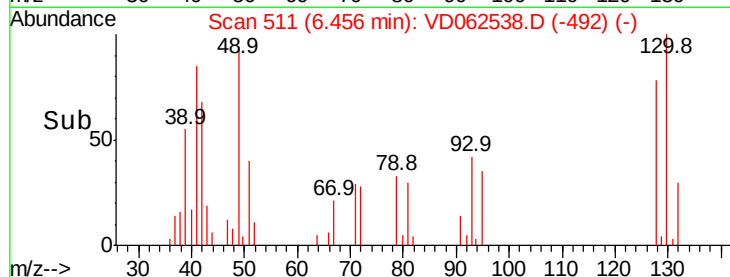


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.628 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD062538.D

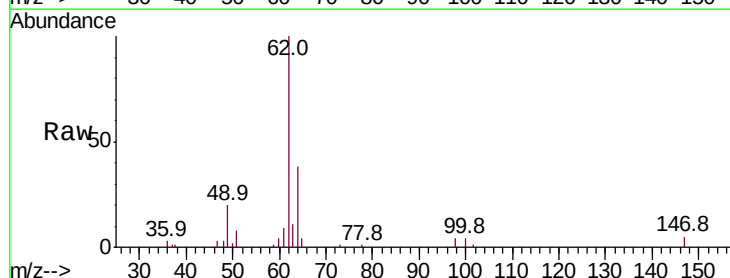
Acq: 28 May 2019 14:59

Tgt Ion: 62 Resp: 112423

Ion Ratio Lower Upper

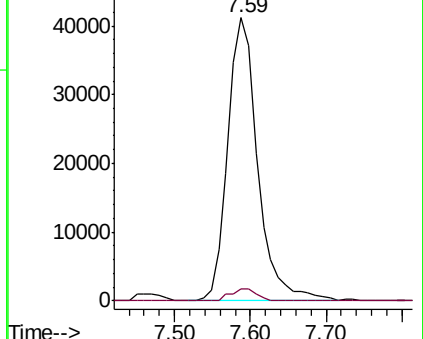
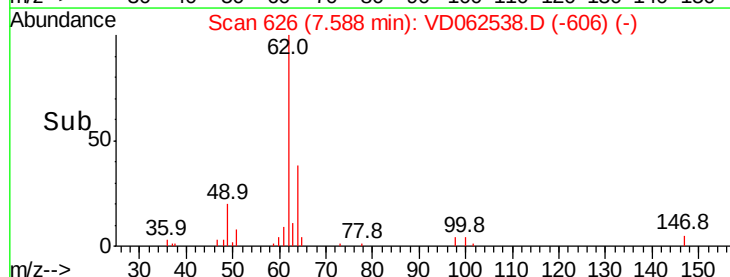
62 100

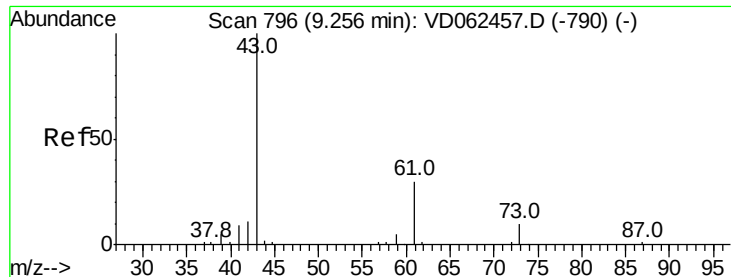
98 4.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.925 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

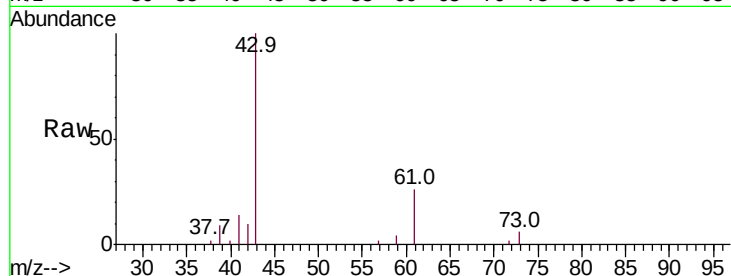
Tot Ion: 43 Resp: 46654

Ion Ratio Lower Upper

43 100

61 26.1 25.1 37.7

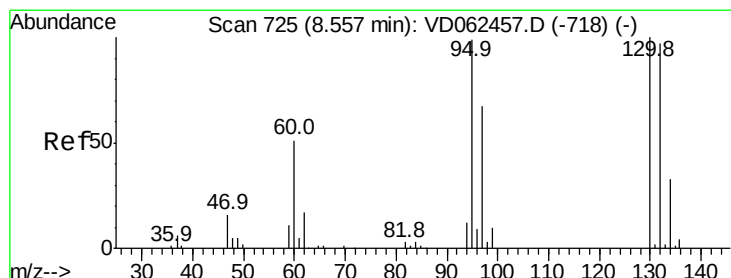
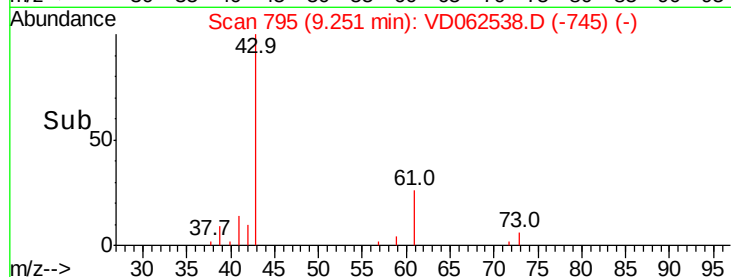
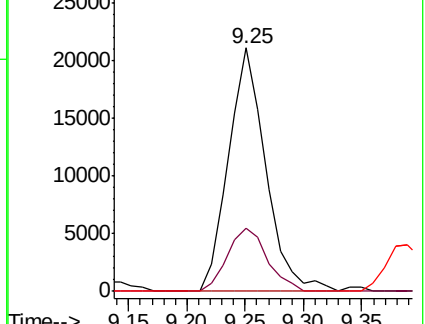
87 0.0 0.0 0.0



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: 20.995 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD062538.D

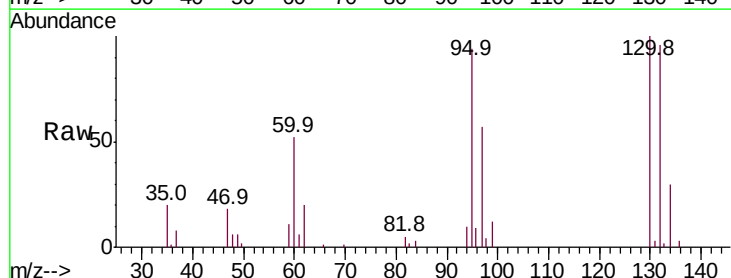
Acq: 28 May 2019 14:59

Tgt Ion:130 Resp: 78870

Ion Ratio Lower Upper

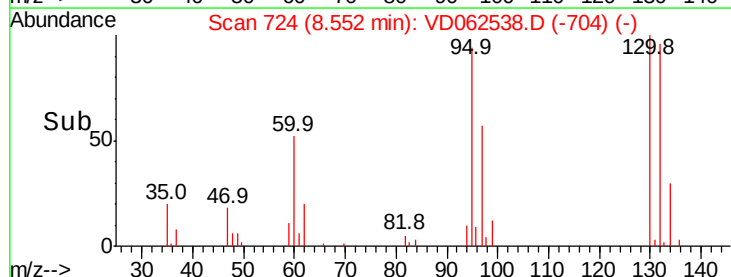
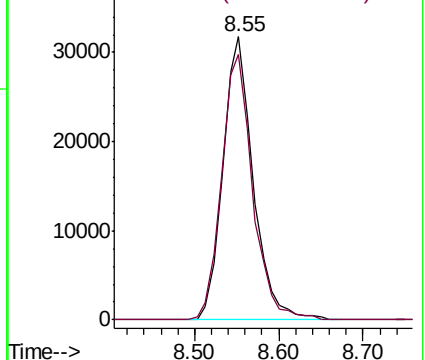
130 100

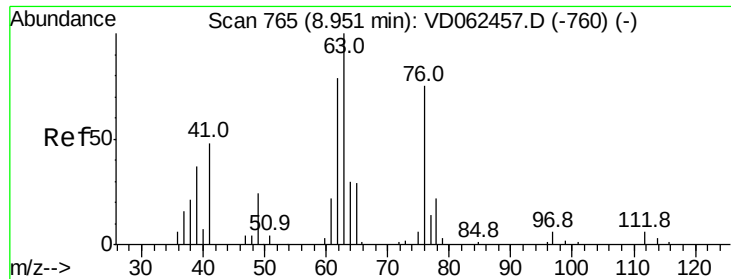
95 94.0 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.073 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

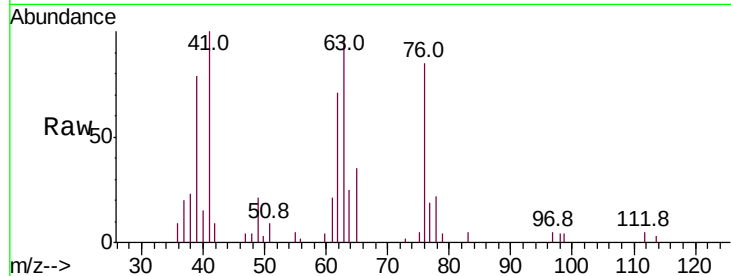
VD0528SBSD01

Tot Ion: 63 Resp: 43610

Ion Ratio Lower Upper

63 100

65 36.4 23.8 35.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

20000

15000

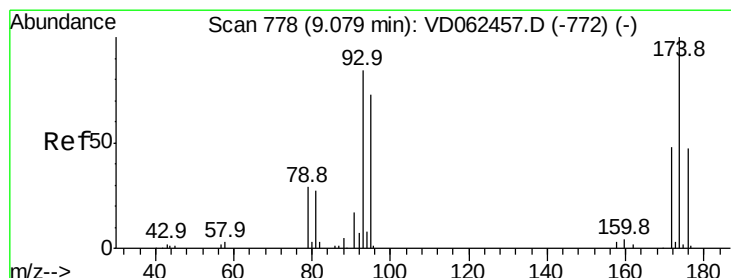
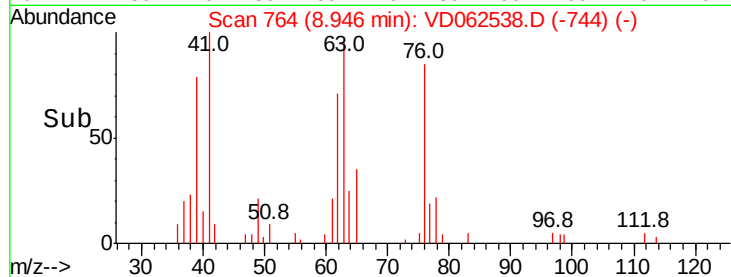
10000

5000

0

8.90 9.00

Time-->



#46

Dibromomethane

Concen: 22.780 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

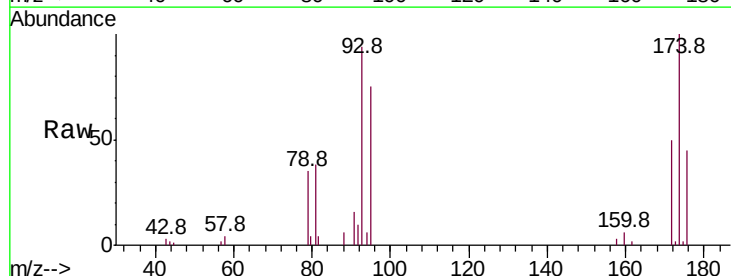
Tgt Ion: 93 Resp: 47215

Ion Ratio Lower Upper

93 100

95 79.2 64.8 97.2

174 106.3 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

25000

20000

15000

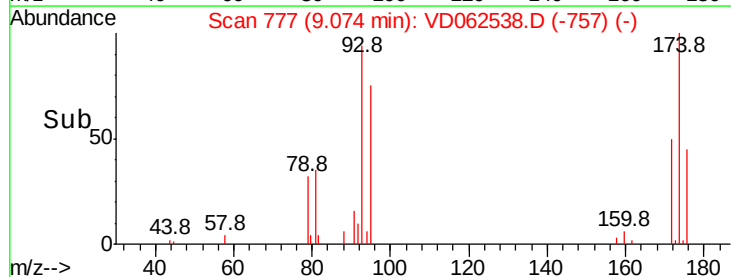
10000

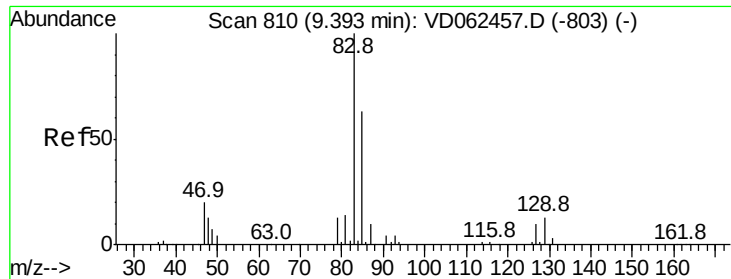
5000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 22.084 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

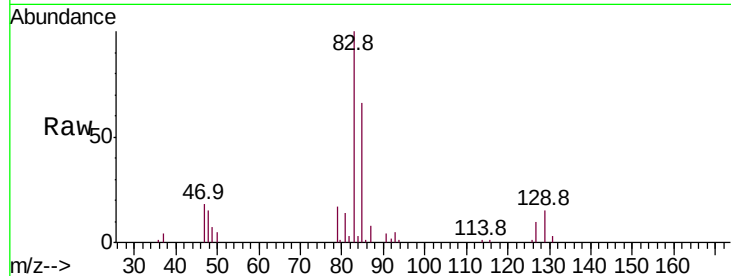
Tot Ion: 83 Resp: 116441

Ion Ratio Lower Upper

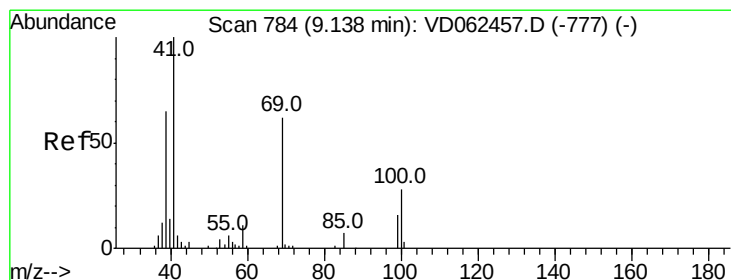
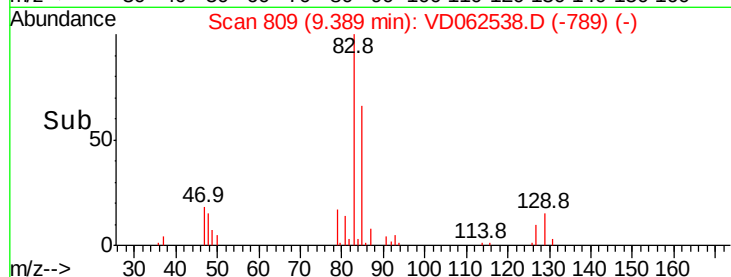
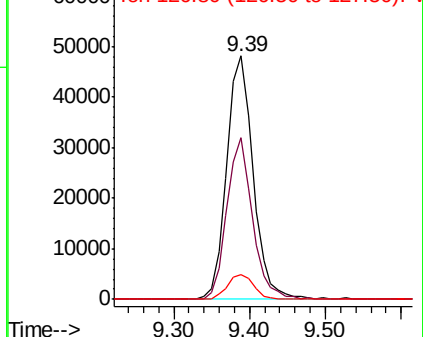
83 100

85 66.3 50.9 76.3

127 10.0 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: 19.733 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

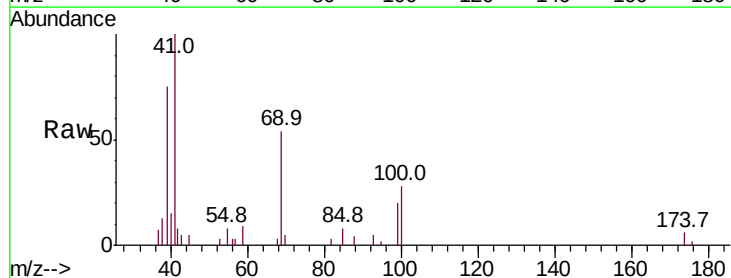
Tgt Ion: 41 Resp: 32736

Ion Ratio Lower Upper

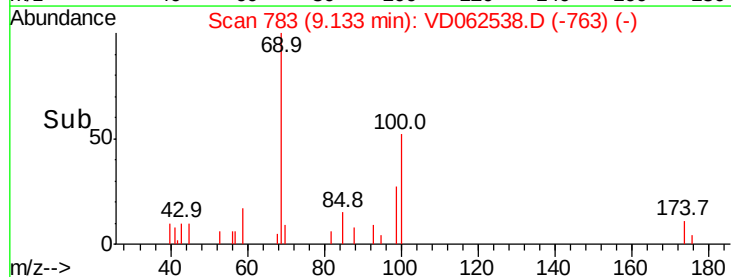
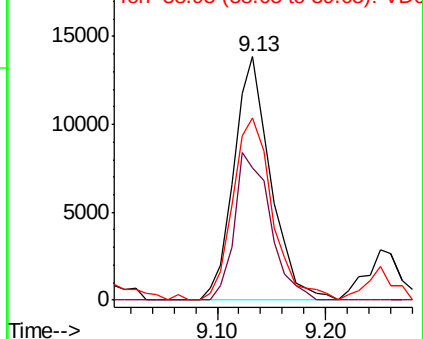
41 100

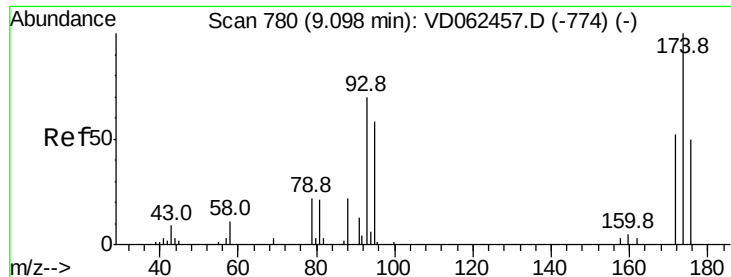
69 54.2 64.2 96.2#

39 74.6 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

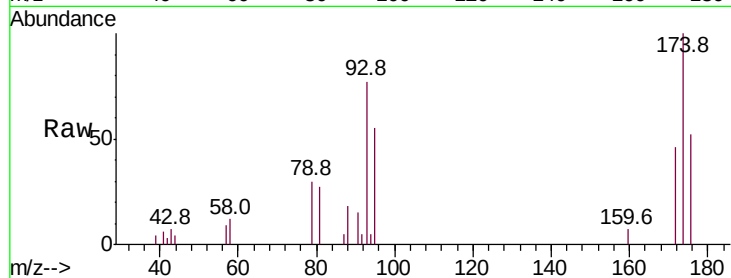




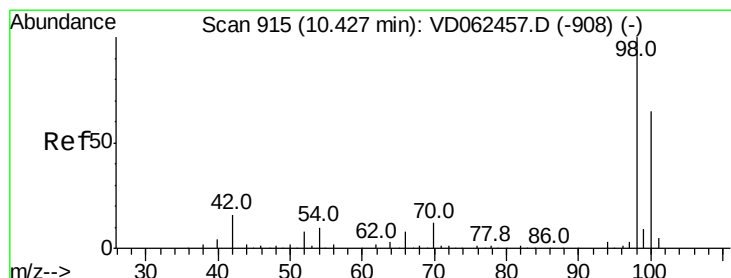
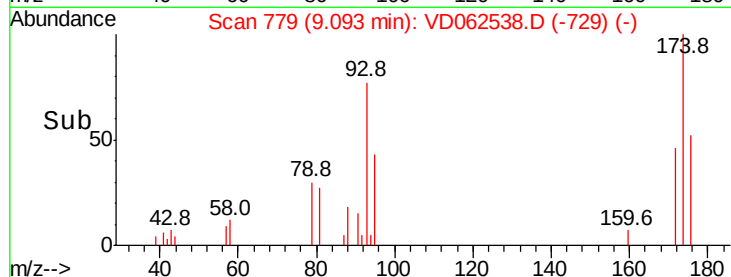
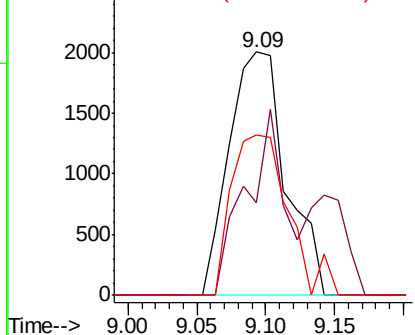
#49
 1,4-Dioxane
 Concen: 387.904 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

Tot Ion: 88 Resp: 5772
 Ion Ratio Lower Upper
 88 100
 43 37.8 23.4 35.0#
 58 66.0 44.0 66.0#

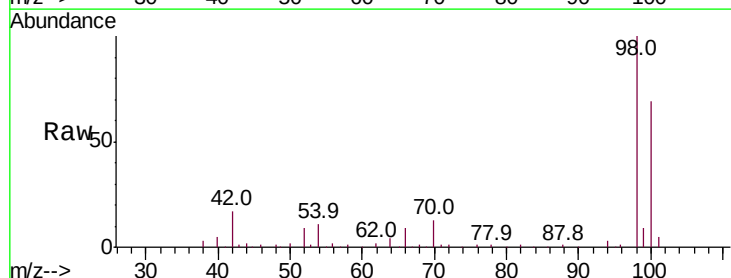


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

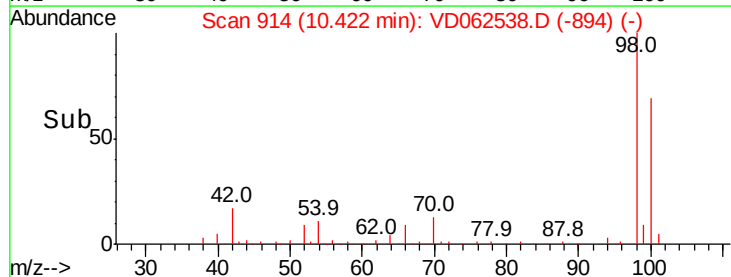
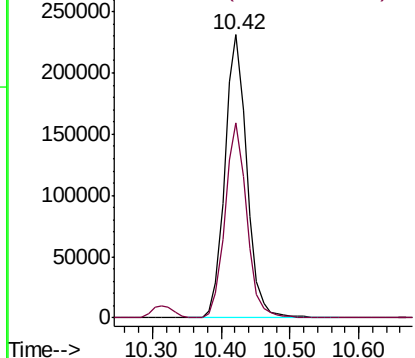


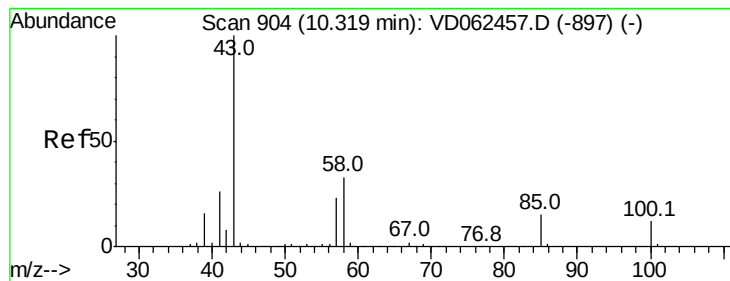
#50
 Toluene-d8
 Concen: 51.617 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion: 98 Resp: 509829
 Ion Ratio Lower Upper
 98 100
 100 69.0 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: 106.453 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

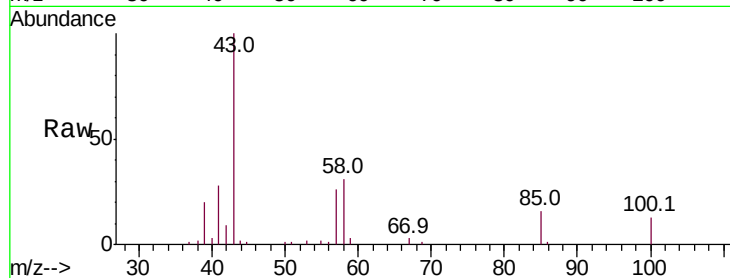
VD0528SBS01

Tot Ion: 43 Resp: 173362

Ion Ratio Lower Upper

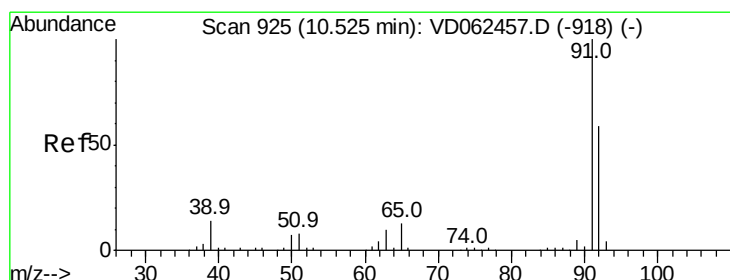
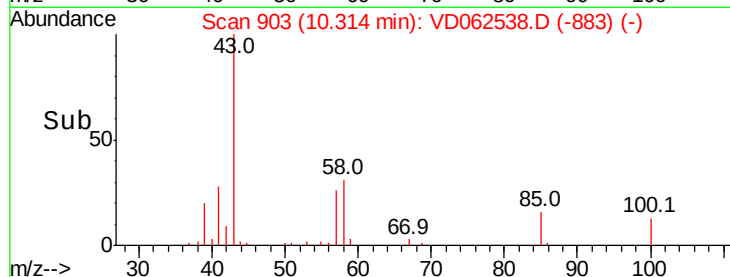
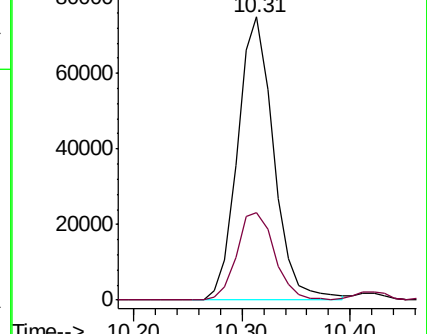
43 100

58 31.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.010 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062538.D

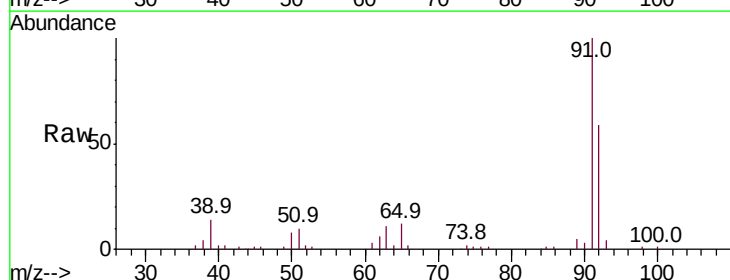
Acq: 28 May 2019 14:59

Tgt Ion: 92 Resp: 128529

Ion Ratio Lower Upper

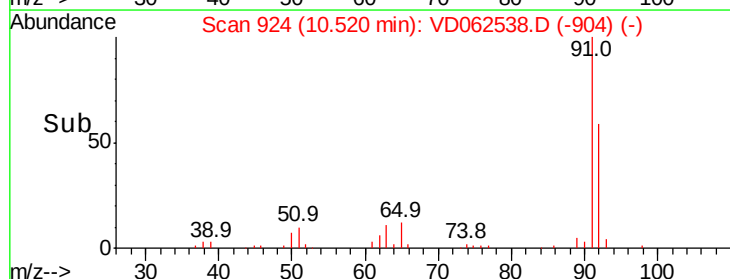
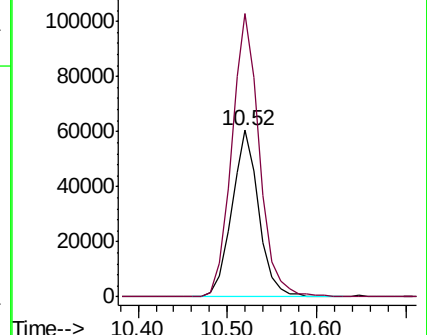
92 100

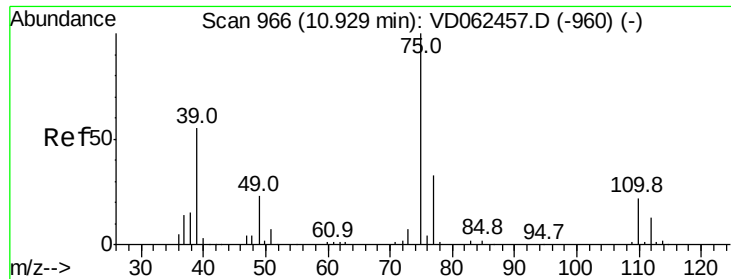
91 169.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.623 ug/l

RT: 10.92 min Scan# 965

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

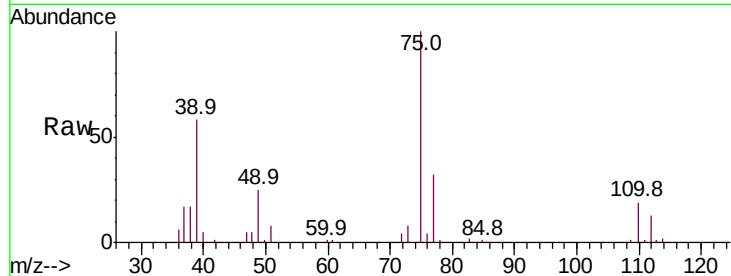
VD0528SBSD01

Tot Ion: 75 Resp: 94916

Ion Ratio Lower Upper

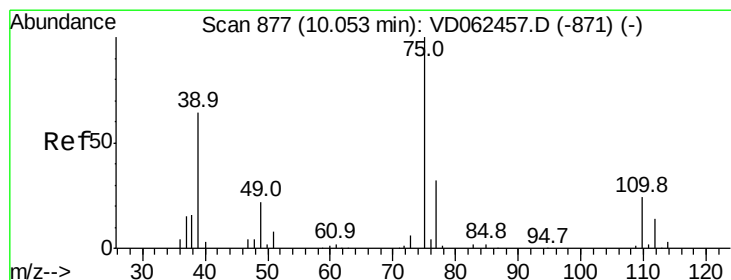
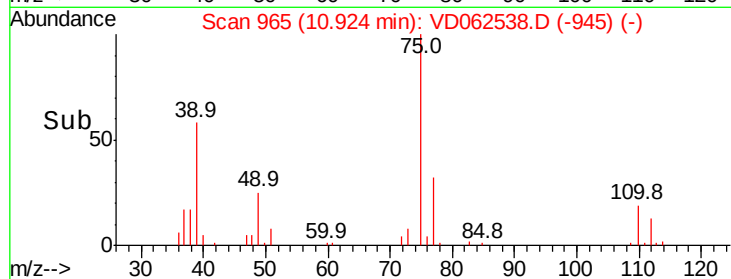
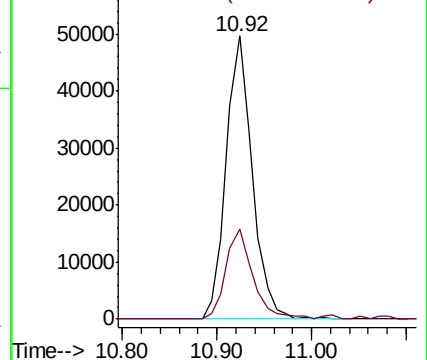
75 100

77 31.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.355 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

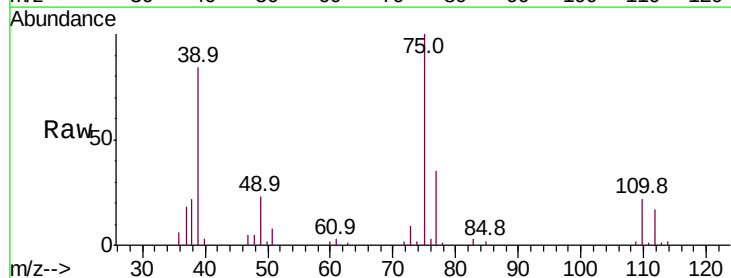
Tgt Ion: 75 Resp: 97815

Ion Ratio Lower Upper

75 100

77 35.0 25.5 38.3

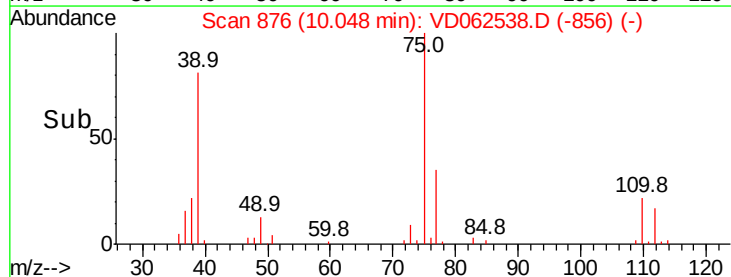
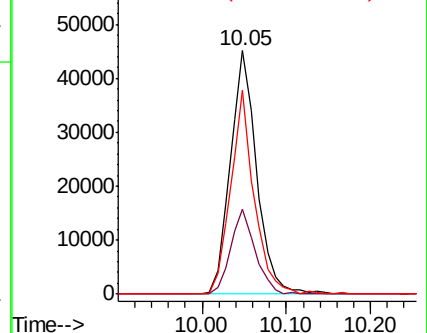
39 84.0 39.4 59.2#

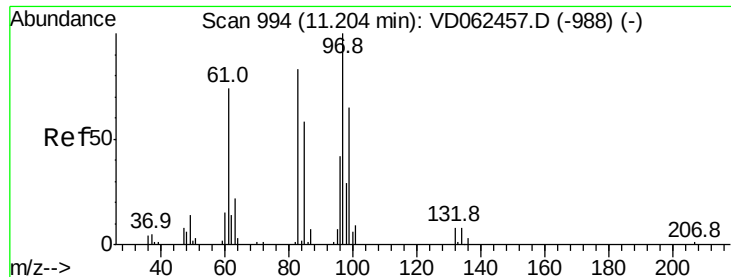


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.998 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

Tot Ion: 97 Resp: 45711

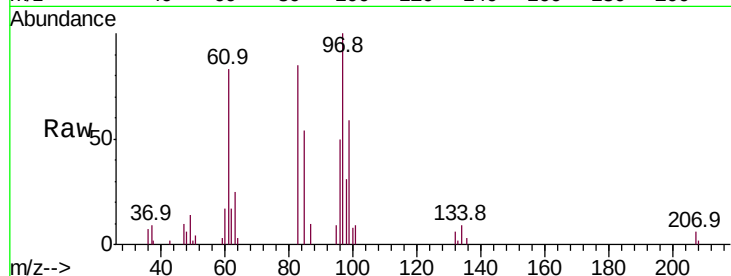
Ion Ratio Lower Upper

97 100

83 84.8 65.7 98.5

85 54.0 45.6 68.4

99 59.0 48.4 72.6

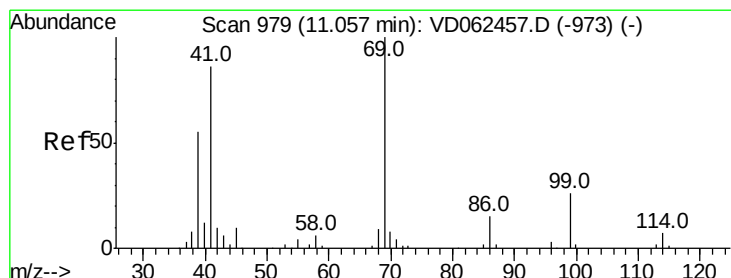
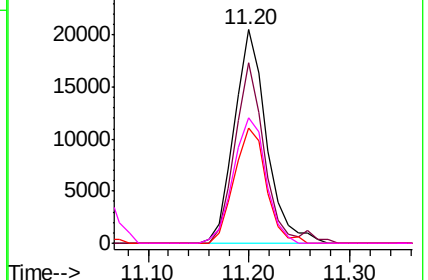
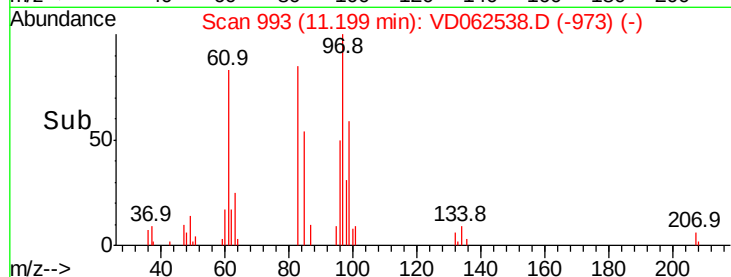


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.868 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

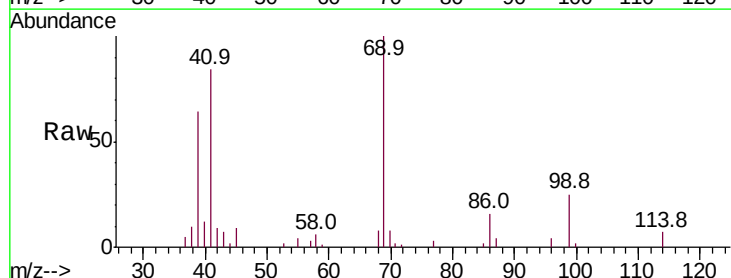
Tgt Ion: 69 Resp: 46236

Ion Ratio Lower Upper

69 100

41 84.3 56.3 84.5

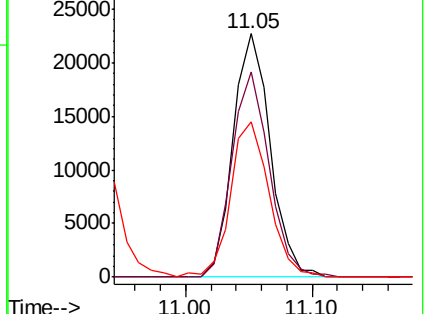
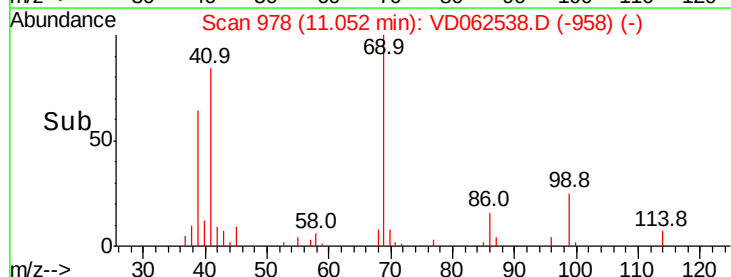
39 63.7 29.4 44.2#

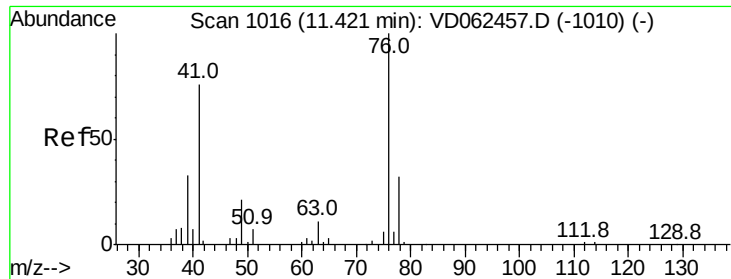


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.789 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

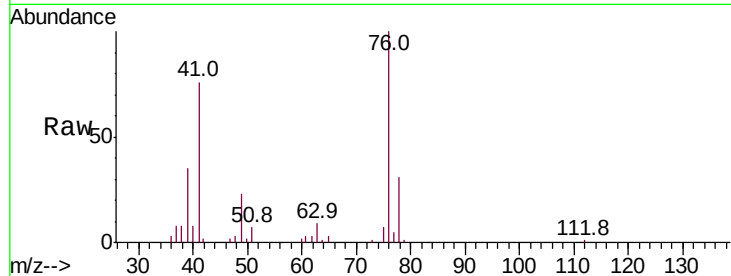
VD0528SBS01

Tot Ion: 76 Resp: 69406

Ion Ratio Lower Upper

76 100

78 31.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

40000

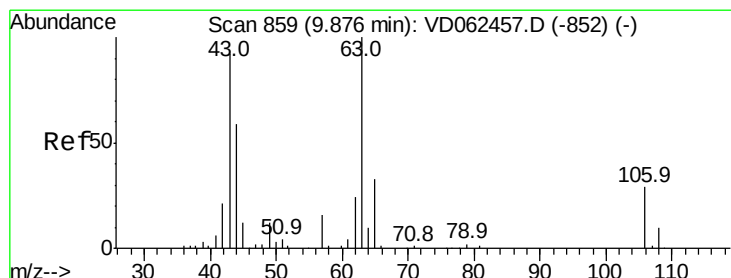
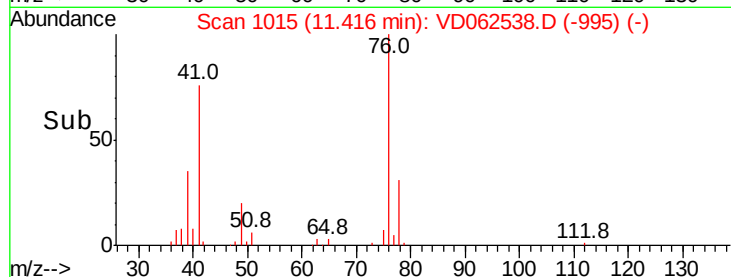
30000

20000

10000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 111.655 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062538.D

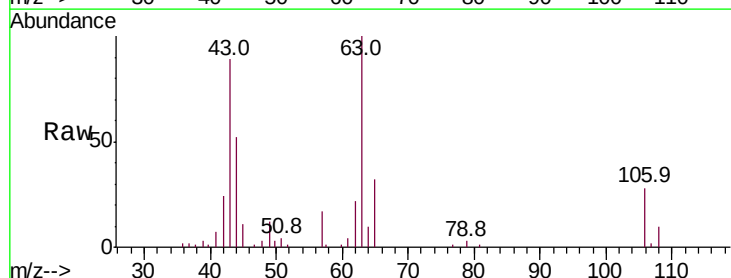
Acq: 28 May 2019 14:59

Tgt Ion: 63 Resp: 133427

Ion Ratio Lower Upper

63 100

106 28.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

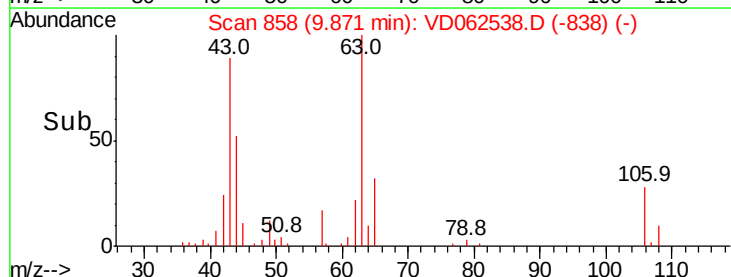
60000

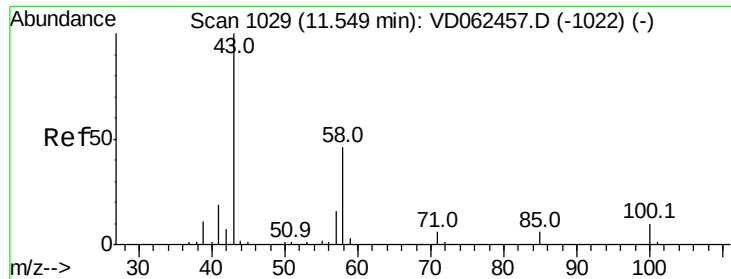
40000

20000

0

Time--> 9.80 9.90 10.00

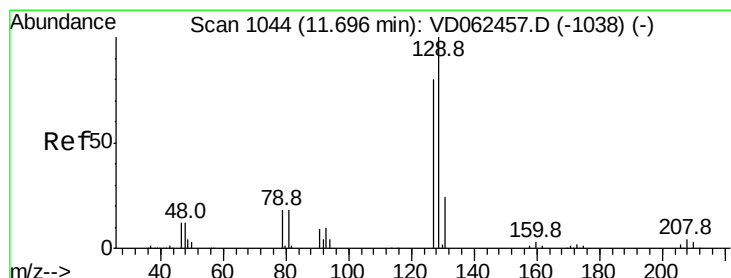
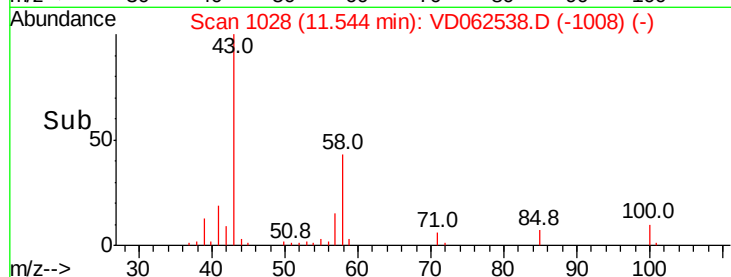
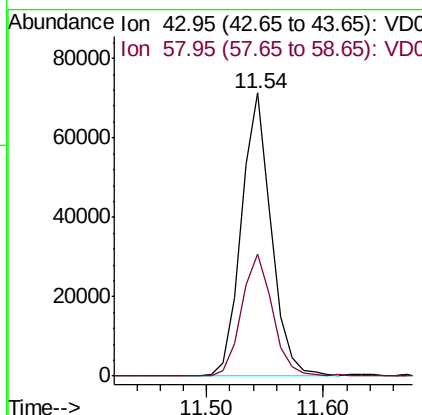
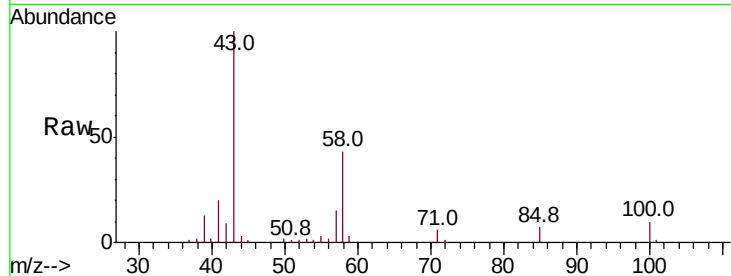




#59
2-Hexanone
Concen: 106.495 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

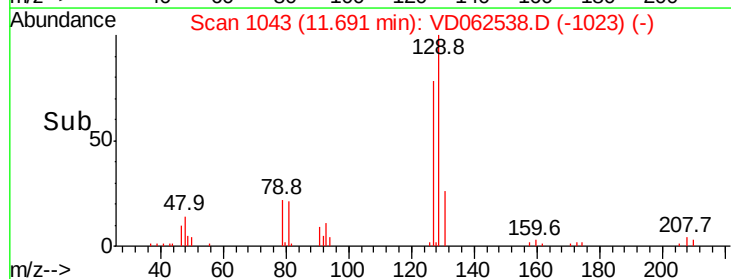
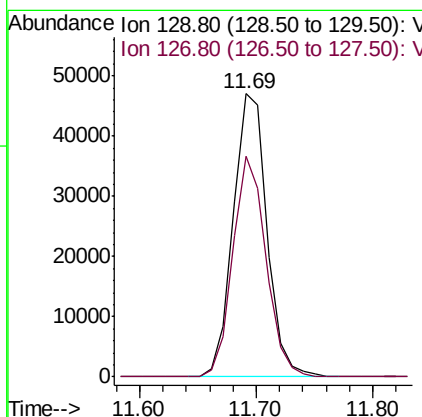
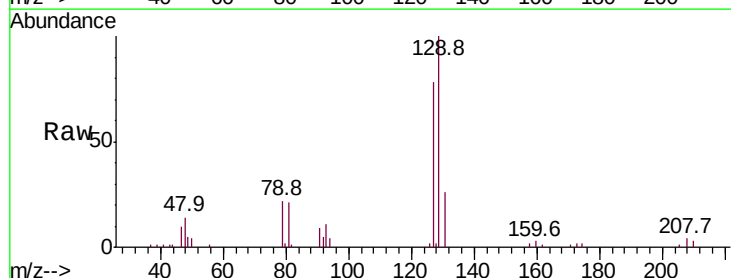
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

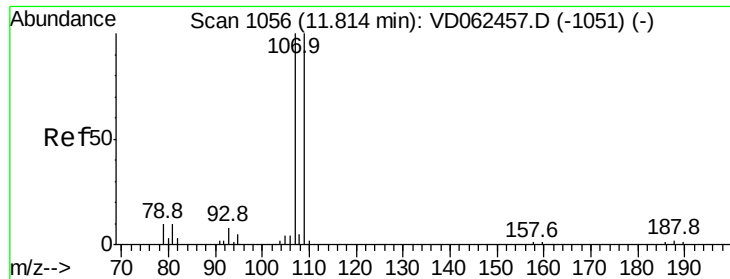
Tot Ion: 43 Resp: 126045
Ion Ratio Lower Upper
43 100
58 43.1 25.4 76.4



#60
Dibromochloromethane
Concen: 22.563 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion: 129 Resp: 94339
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.999 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

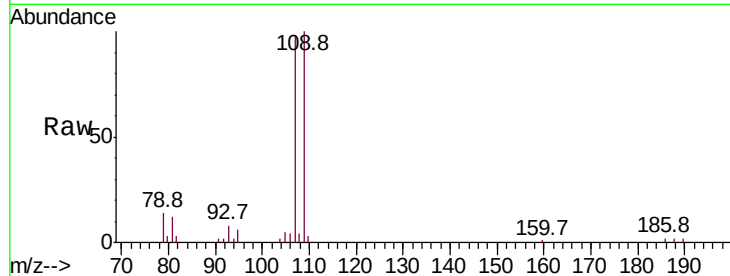
VD0528SBSD01

Tot Ion:107 Resp: 56335

Ion Ratio Lower Upper

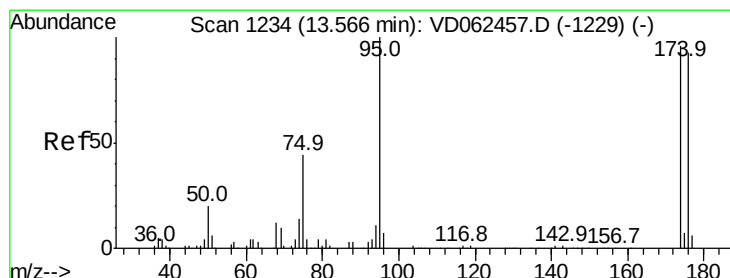
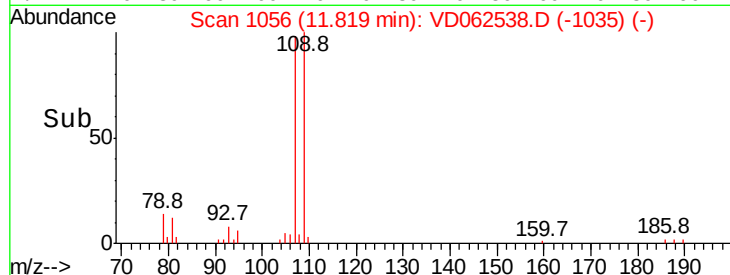
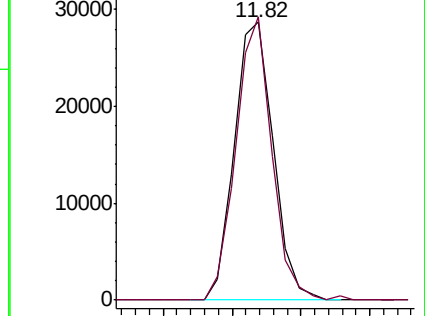
107 100

109 101.8 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.943 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

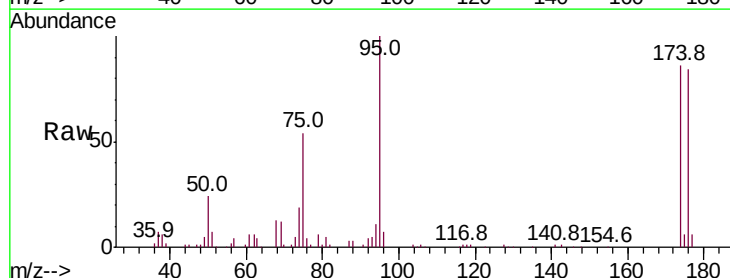
Tgt Ion: 95 Resp: 224427

Ion Ratio Lower Upper

95 100

174 86.1 0.0 181.8

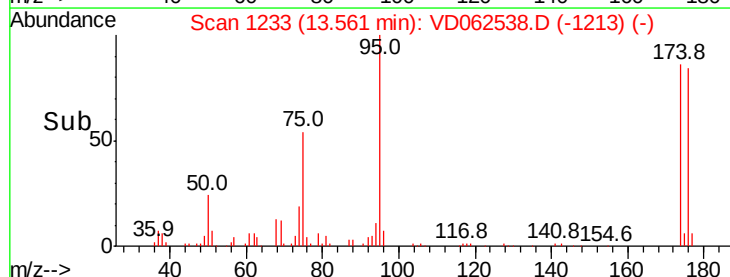
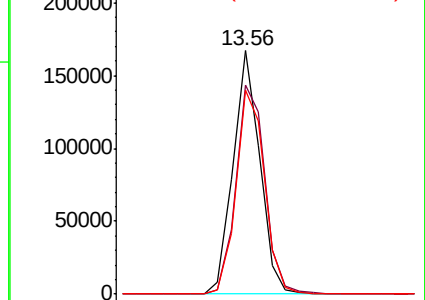
176 83.5 0.0 174.4

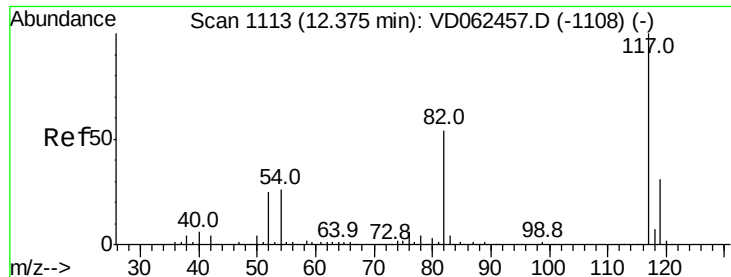


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

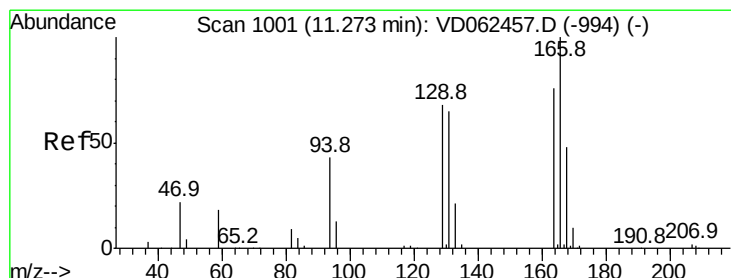
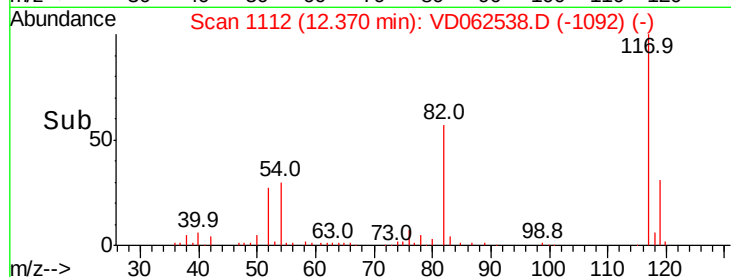
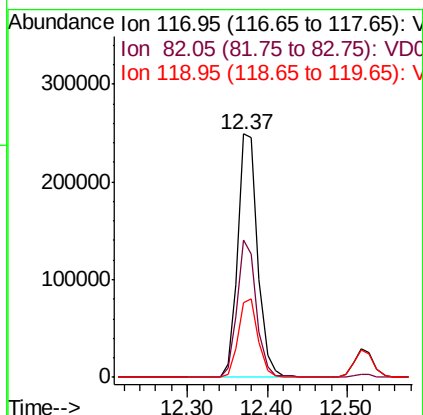
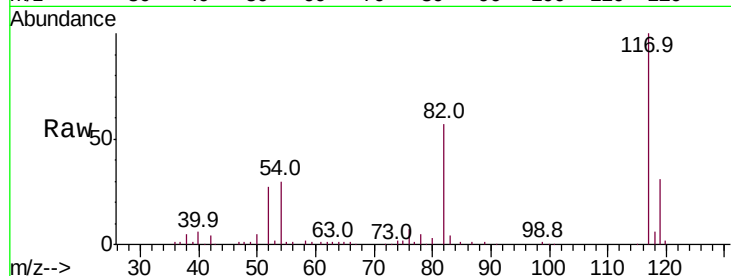




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

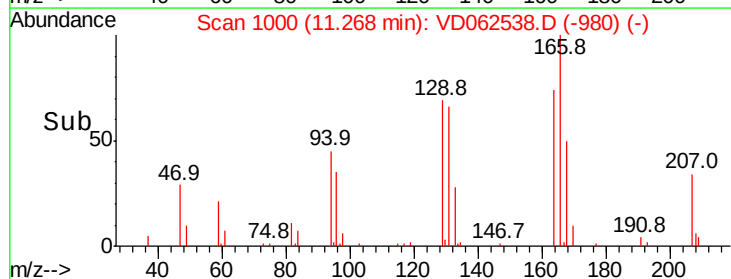
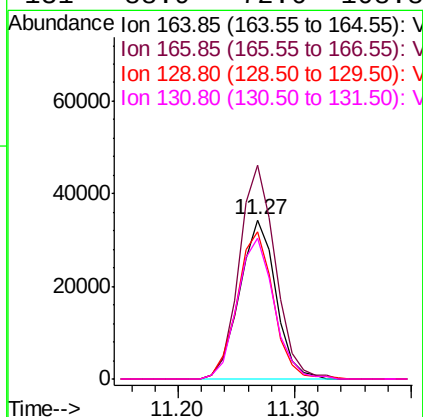
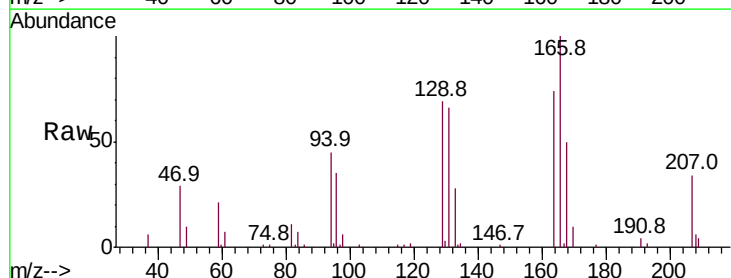
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

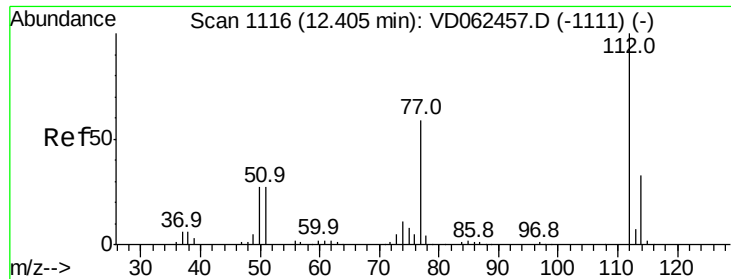
Tot Ion:117 Resp: 437645
Ion Ratio Lower Upper
117 100
82 56.6 36.2 54.2#
119 30.8 26.2 39.4



#64
Tetrachloroethene
Concen: 20.211 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion:164 Resp: 74063
Ion Ratio Lower Upper
164 100
166 134.4 101.5 152.3
129 93.0 74.6 112.0
131 88.9 72.6 108.8

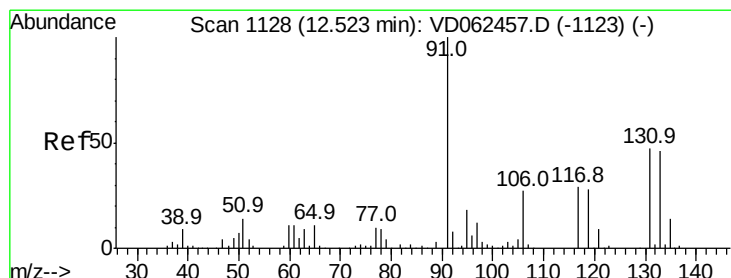
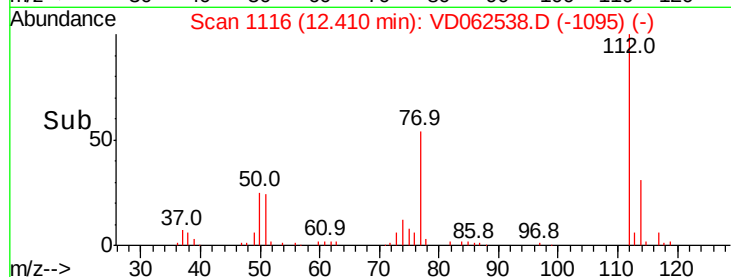
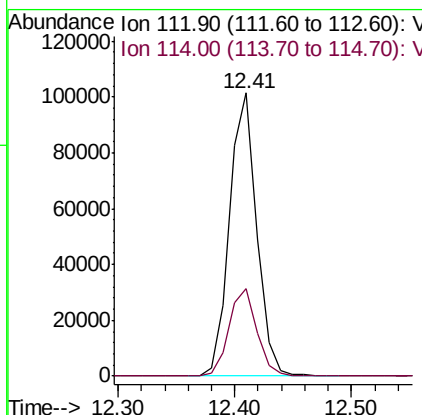
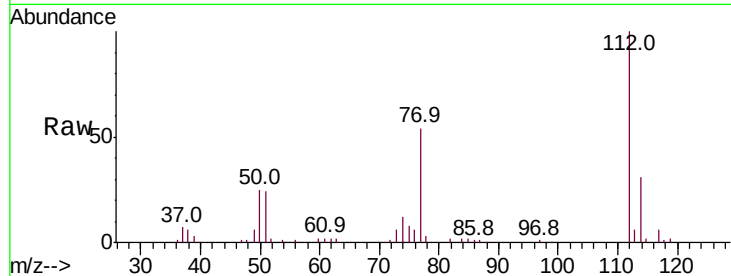




#65
Chlorobenzene
Concen: 19.452 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

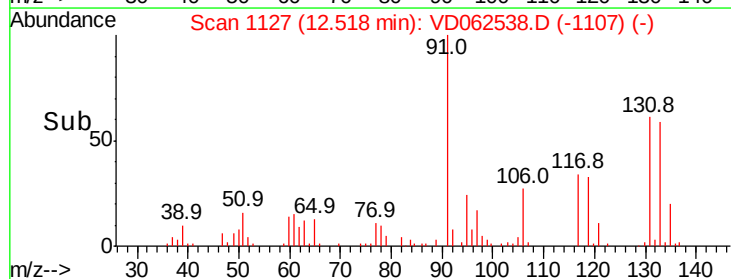
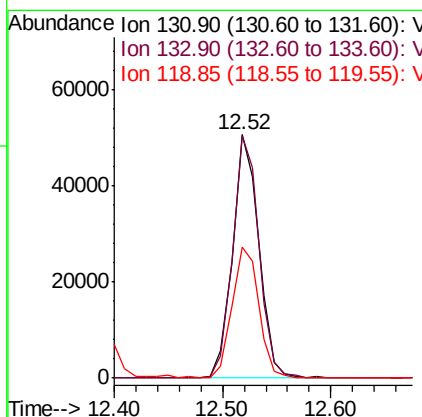
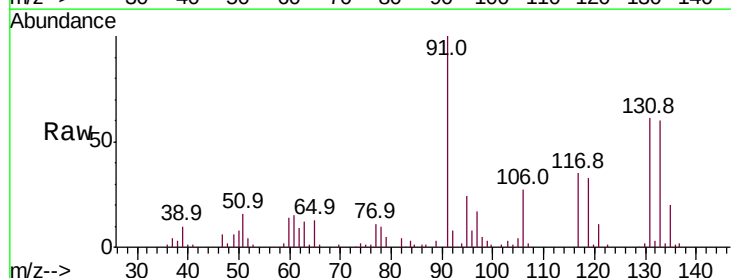
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

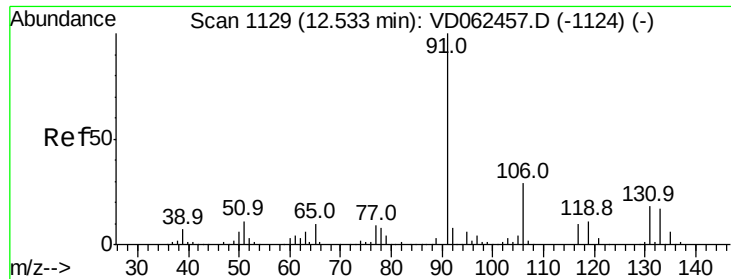
Tot Ion:112 Resp: 163710
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.011 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion:131 Resp: 85511
Ion Ratio Lower Upper
131 100
133 99.4 48.6 145.8
119 54.0 34.7 104.1

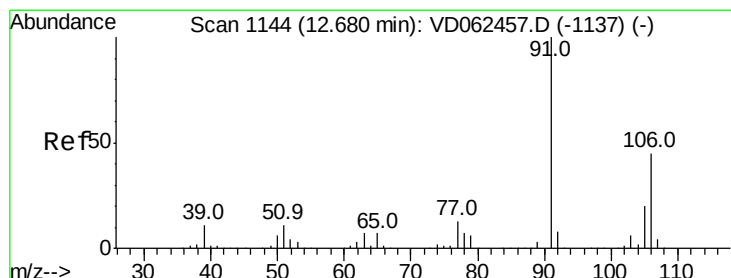
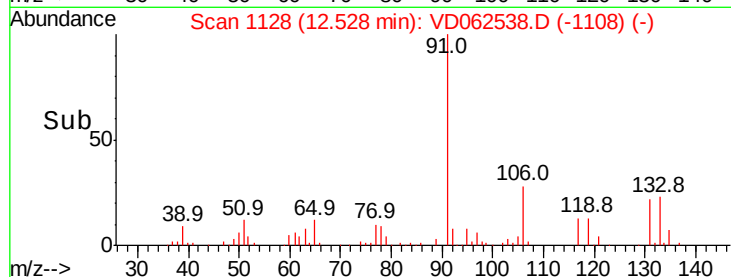
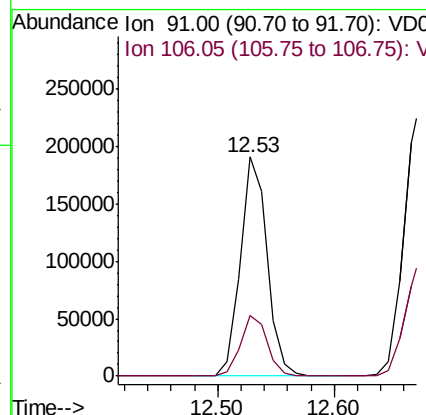
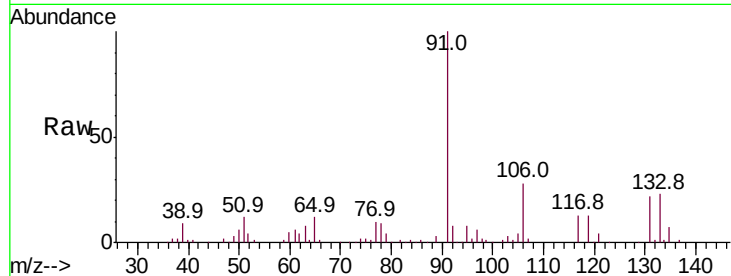




#67
Ethyl Benzene
Concen: 20.823 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

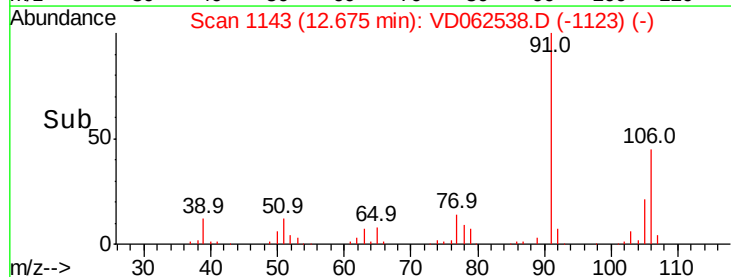
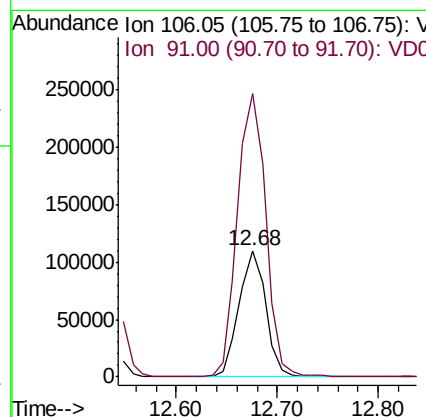
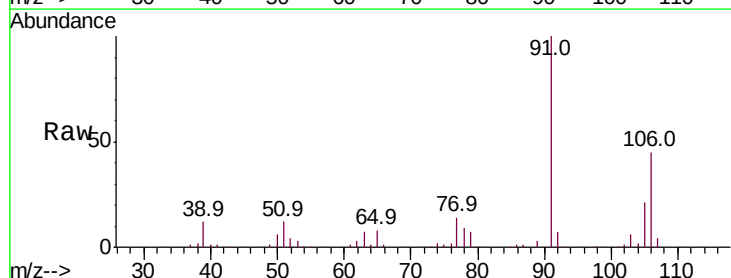
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

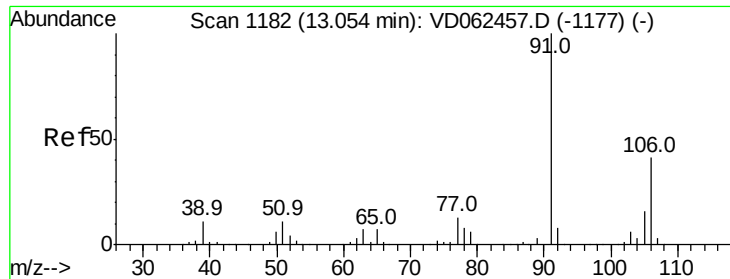
Tot Ion: 91 Resp: 301854
Ion Ratio Lower Upper
91 100
106 27.8 24.7 37.1



#68
m/p-Xylenes
Concen: 39.146 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion:106 Resp: 203697
Ion Ratio Lower Upper
106 100
91 224.2 164.0 246.0

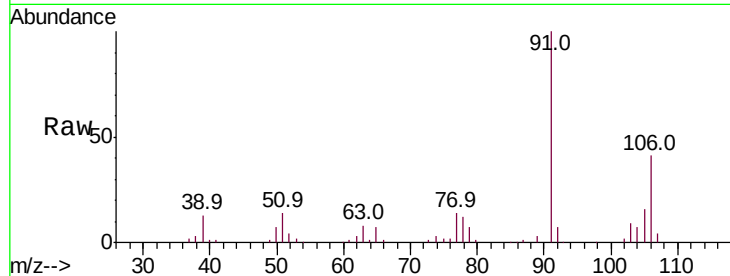




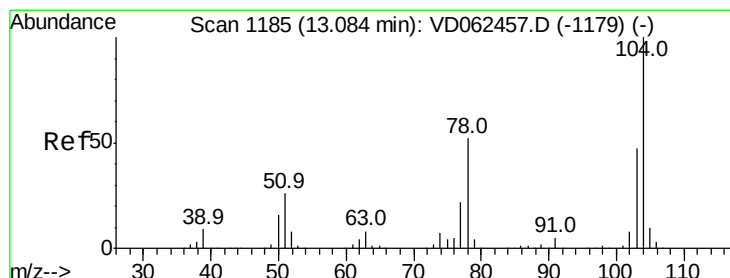
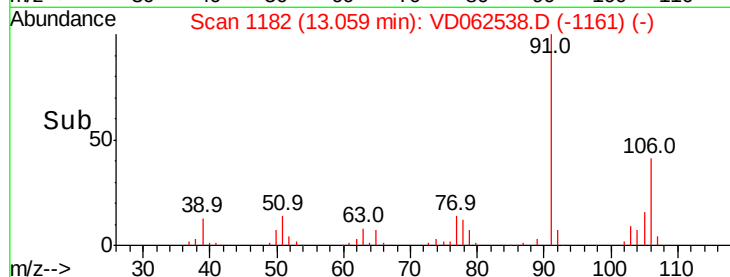
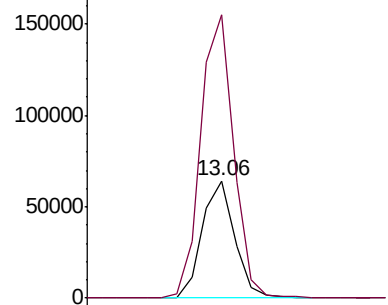
#69
o-Xylene
Concen: 19.474 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

Tot Ion:106 Resp: 95612
Ion Ratio Lower Upper
106 100
91 241.5 106.7 319.9

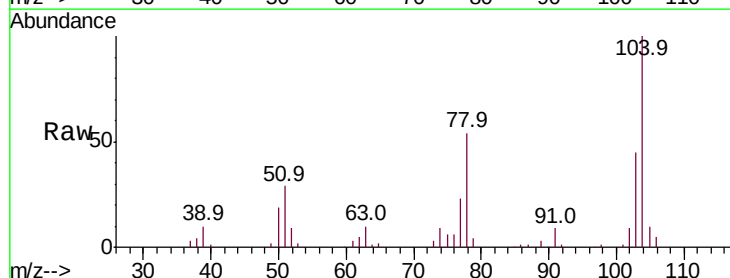


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

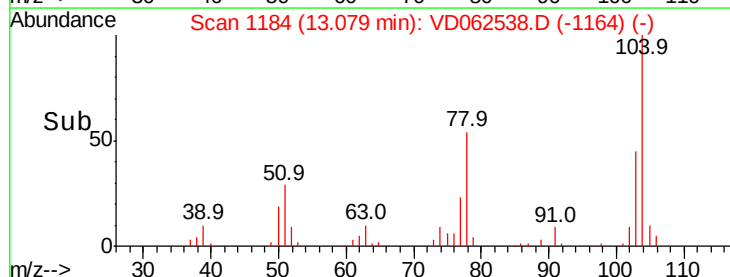
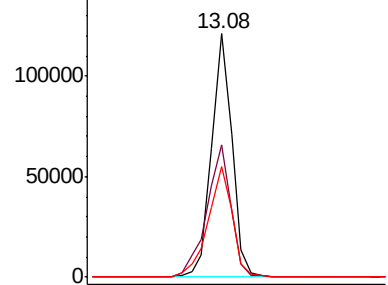


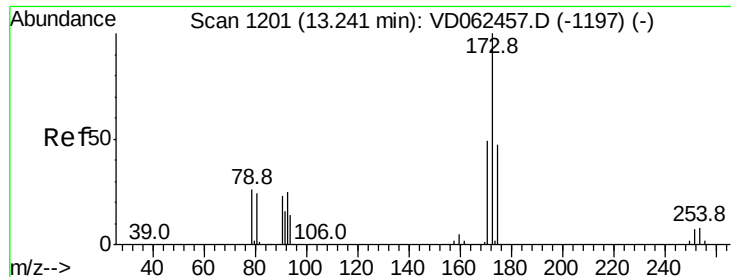
#70
Styrene
Concen: 20.309 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion:104 Resp: 169625
Ion Ratio Lower Upper
104 100
78 54.2 35.4 53.2#
103 45.3 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: 22.439 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

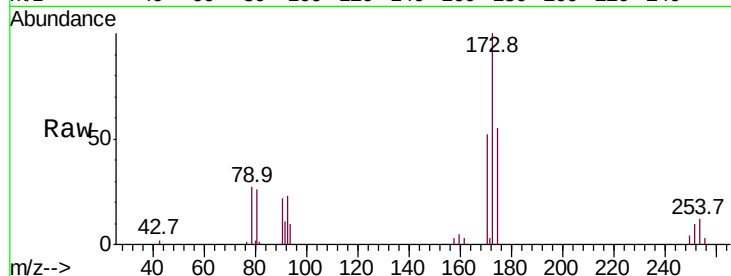
Tot Ion:173 Resp: 57892

Ion Ratio Lower Upper

173 100

175 54.9 24.4 73.4

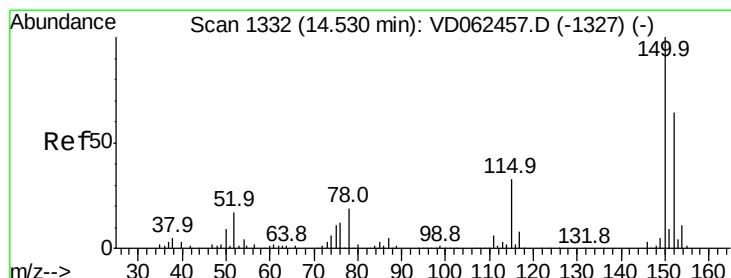
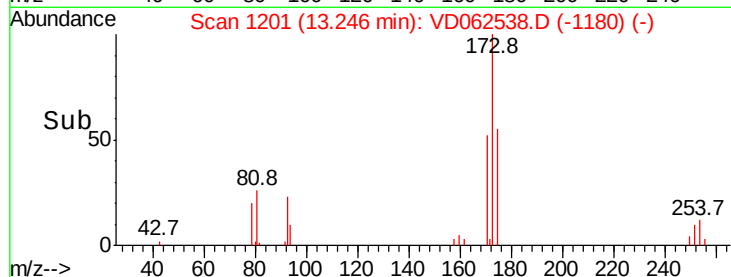
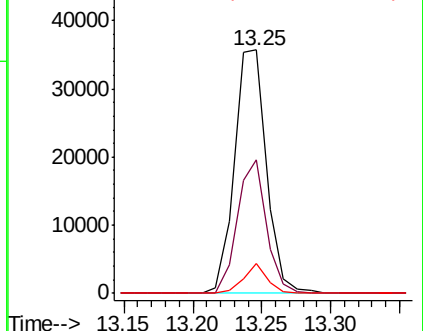
254 12.0 5.4 8.2#



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: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

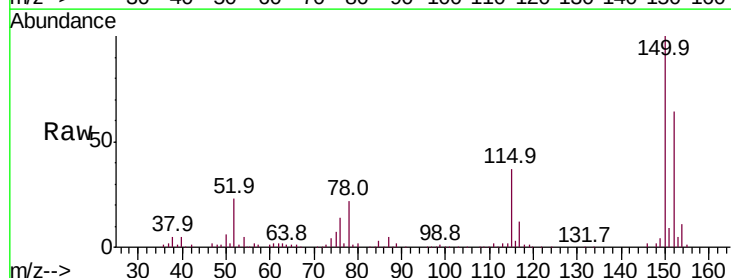
Tgt Ion:152 Resp: 240466

Ion Ratio Lower Upper

152 100

115 58.3 30.9 92.7

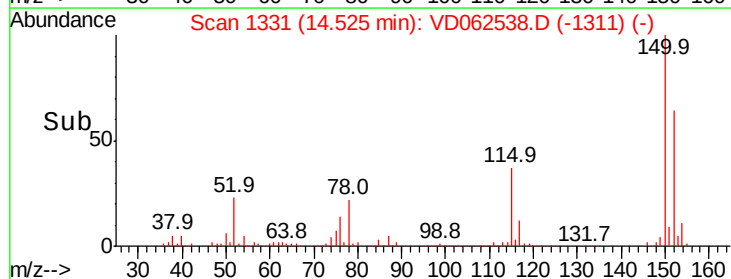
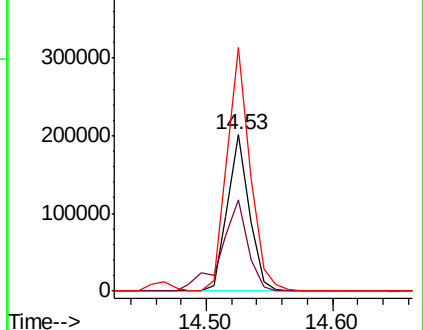
150 156.1 0.0 314.8

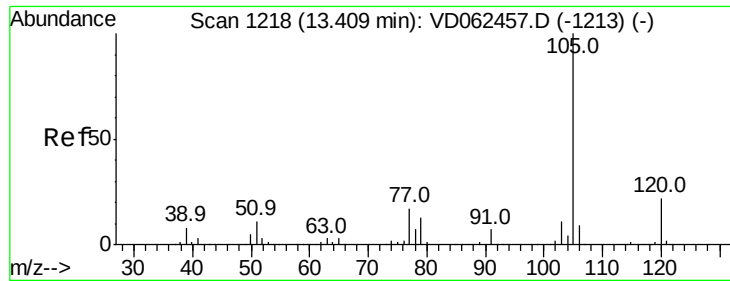


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.666 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

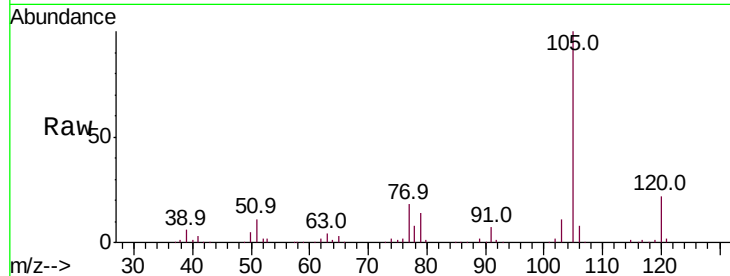
VD0528SBSD01

Tot Ion:105 Resp: 298081

Ion Ratio Lower Upper

105 100

120 21.8 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

200000

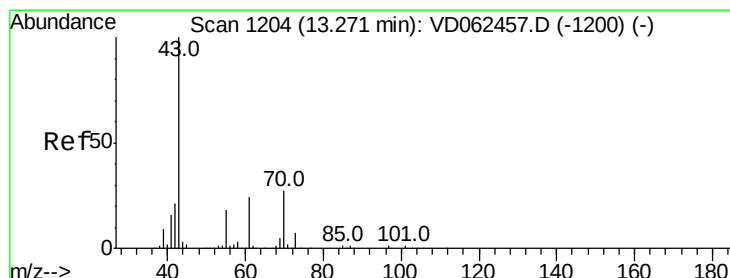
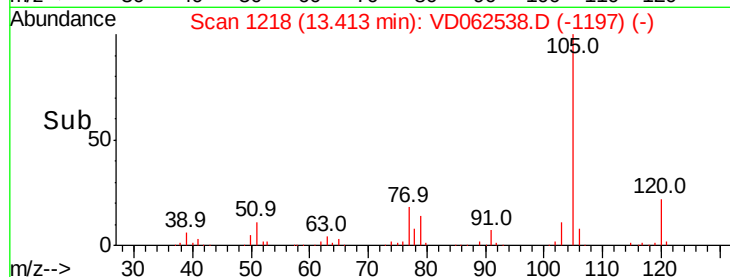
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.545 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Tgt Ion: 43 Resp: 69424

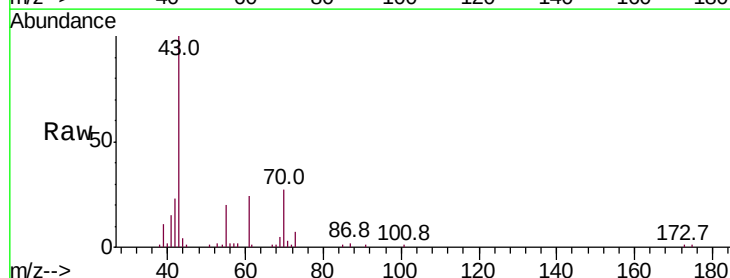
Ion Ratio Lower Upper

43 100

70 27.0 24.2 36.4

55 19.9 16.0 24.0

61 24.0 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

13.28

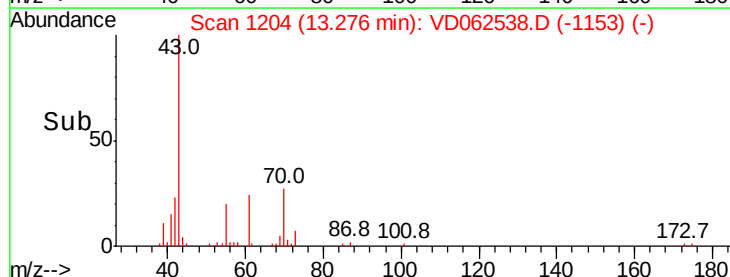
60000

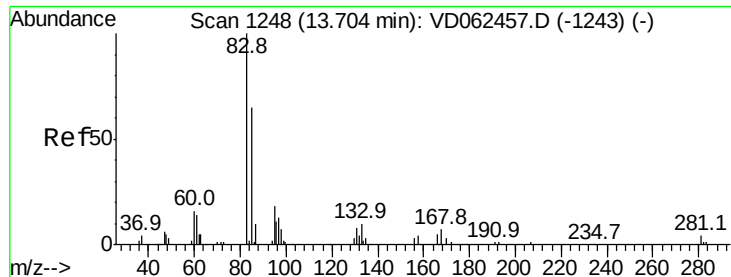
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.894 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

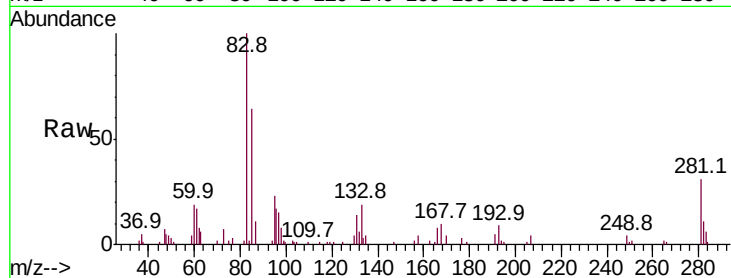
Tot Ion: 83 Resp: 51666

Ion Ratio Lower Upper

83 100

131 14.2 5.0 14.9

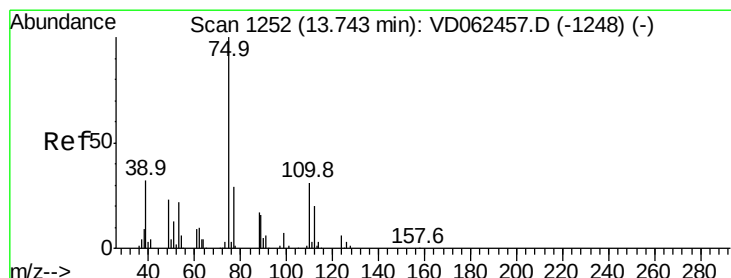
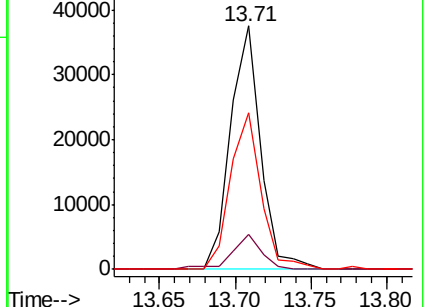
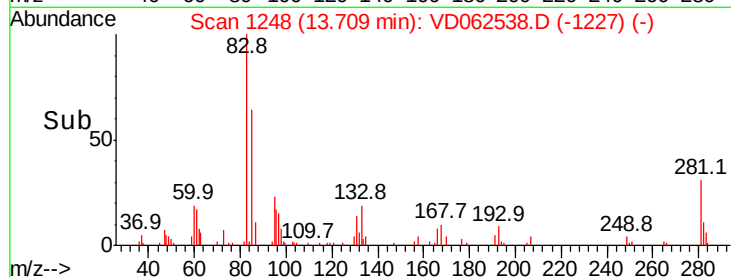
85 63.3 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.846 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062538.D

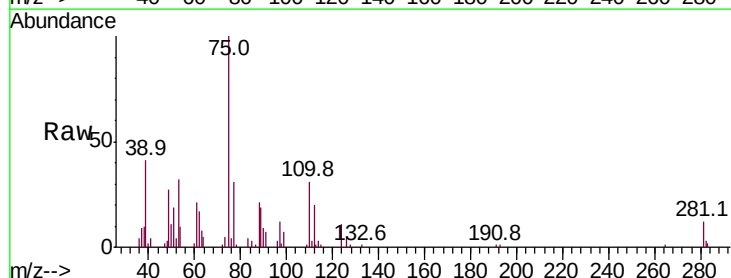
Acq: 28 May 2019 14:59

Tgt Ion: 75 Resp: 61876

Ion Ratio Lower Upper

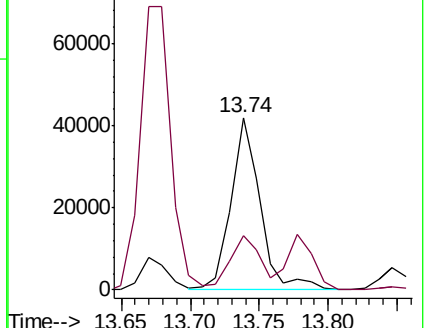
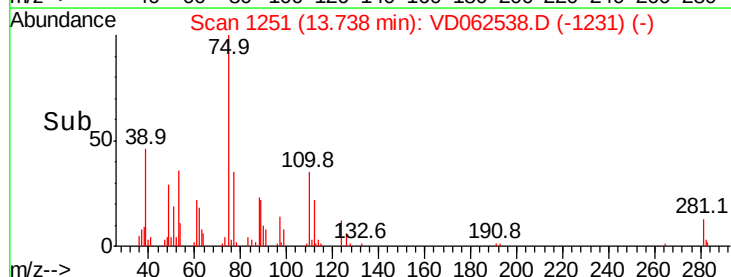
75 100

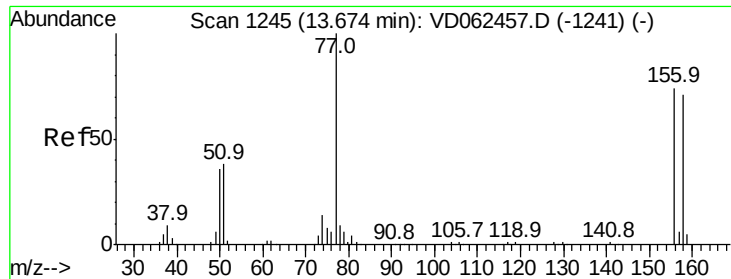
77 31.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.622 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

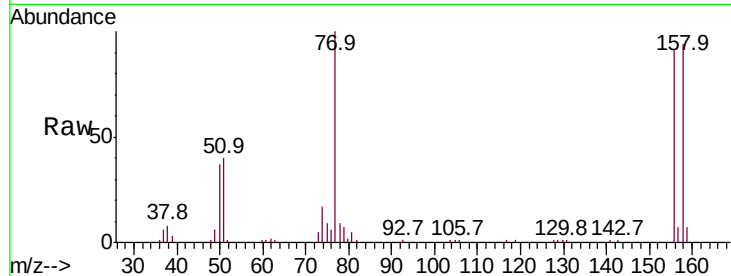
Tot Ion:156 Resp: 84369

Ion Ratio Lower Upper

156 100

77 110.3 53.1 159.4

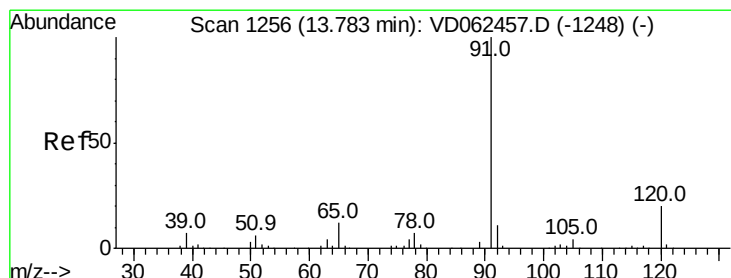
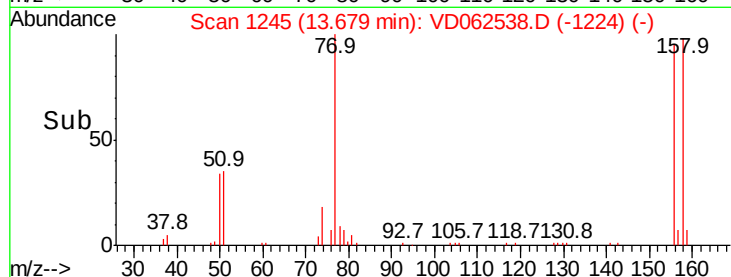
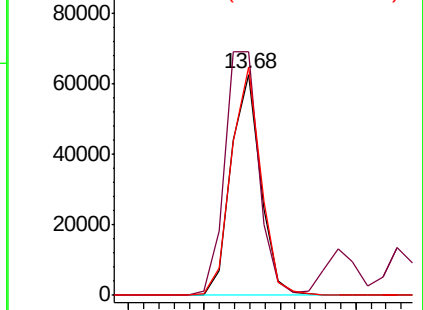
158 103.5 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.705 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062538.D

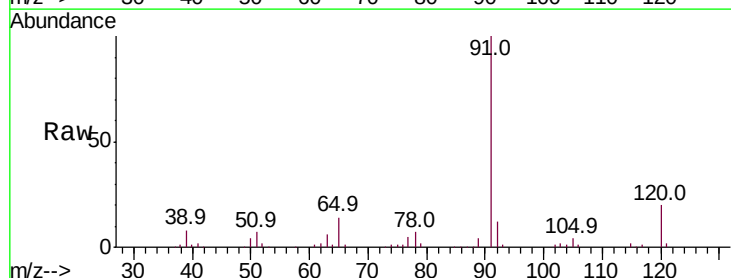
Acq: 28 May 2019 14:59

Tgt Ion: 91 Resp: 363521

Ion Ratio Lower Upper

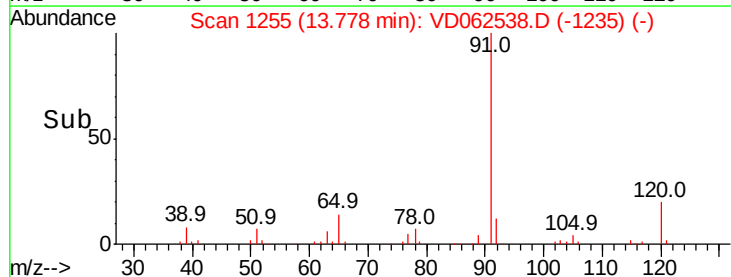
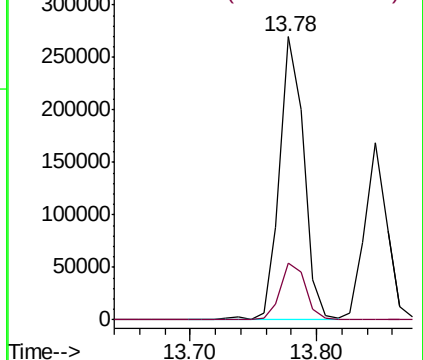
91 100

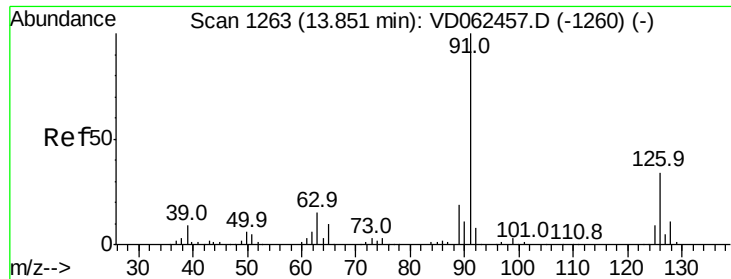
120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

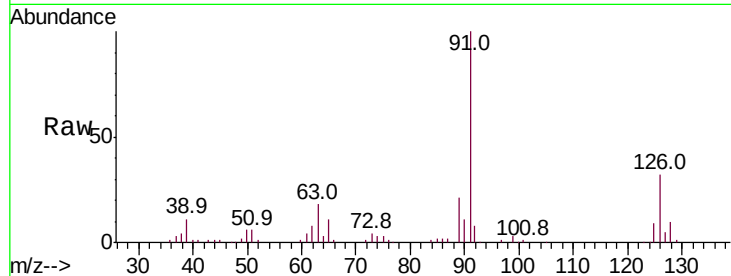




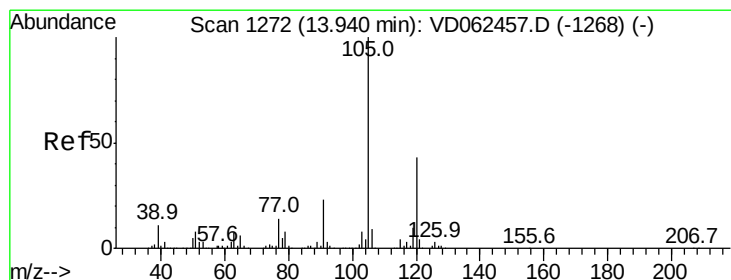
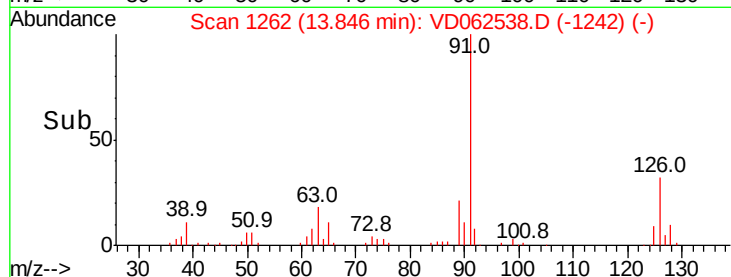
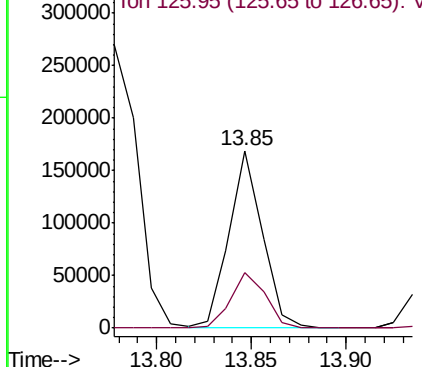
#79
 2-Chlorotoluene
 Concen: 19.427 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Tot Ion: 91 Resp: 206988
 Ion Ratio Lower Upper
 91 100
 126 31.6 18.6 55.8

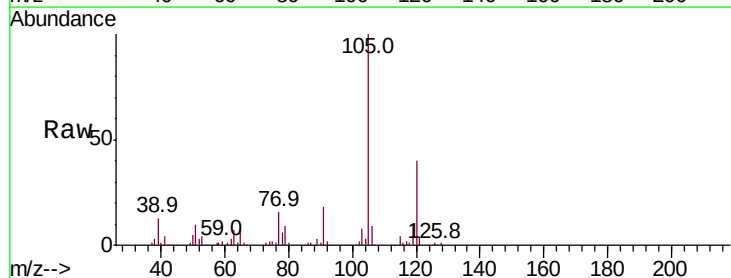


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

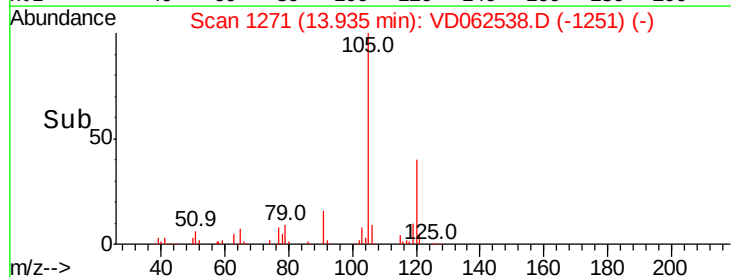
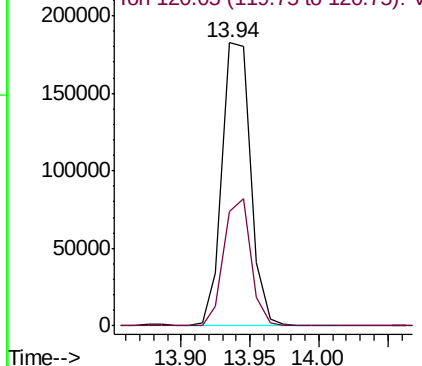


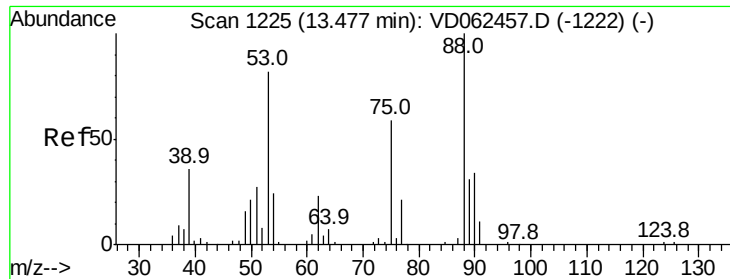
#80
 1,3,5-Trimethylbenzene
 Concen: 20.097 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion: 105 Resp: 263755
 Ion Ratio Lower Upper
 105 100
 120 40.4 24.0 72.0



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

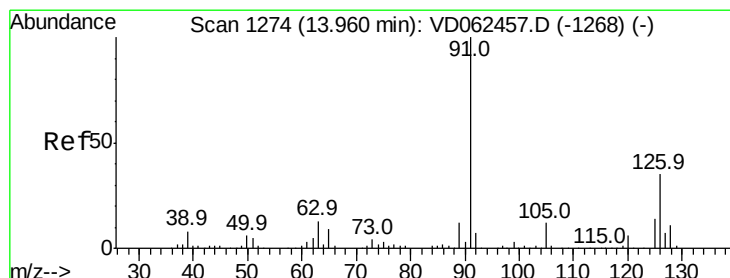
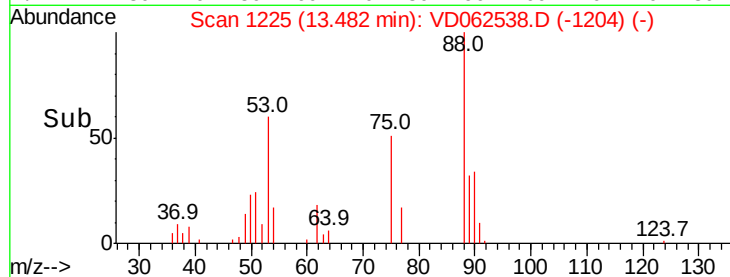
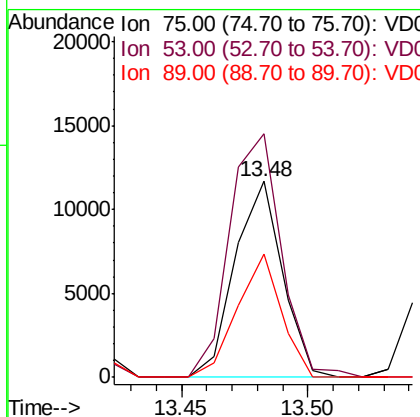
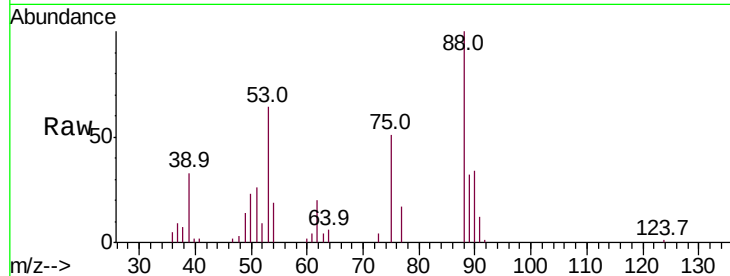




#81
trans-1,4-Dichloro-2-butene
Concen: 19.155 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

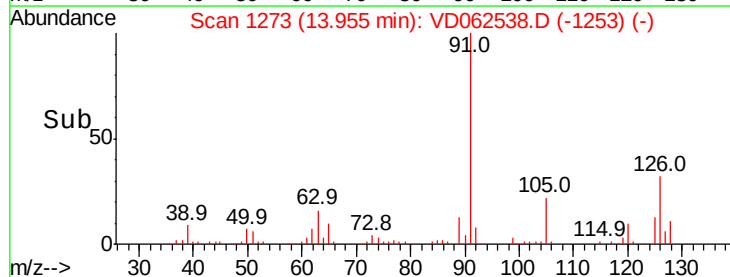
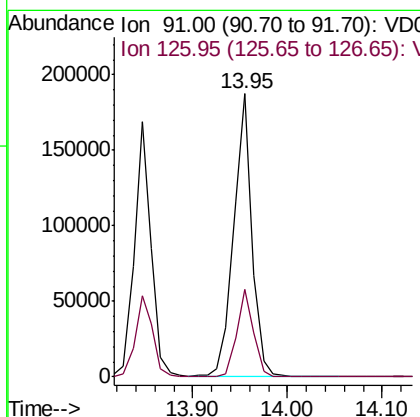
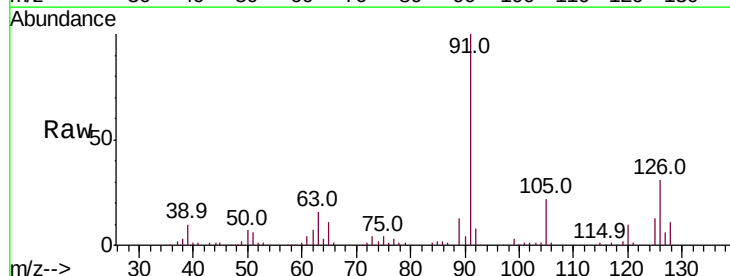
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

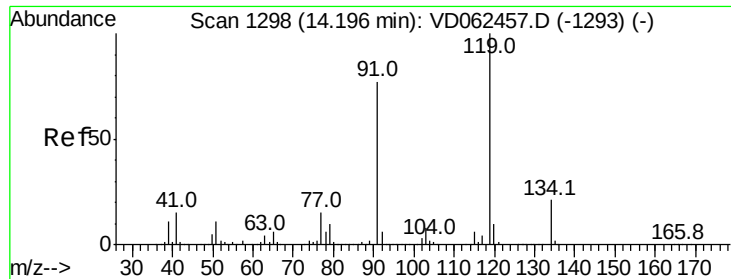
Tot Ion: 75 Resp: 15301
Ion Ratio Lower Upper
75 100
53 124.2 65.8 98.8#
89 62.6 35.0 52.6#



#82
4-Chlorotoluene
Concen: 20.499 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion: 91 Resp: 251536
Ion Ratio Lower Upper
91 100
126 31.0 19.1 57.5

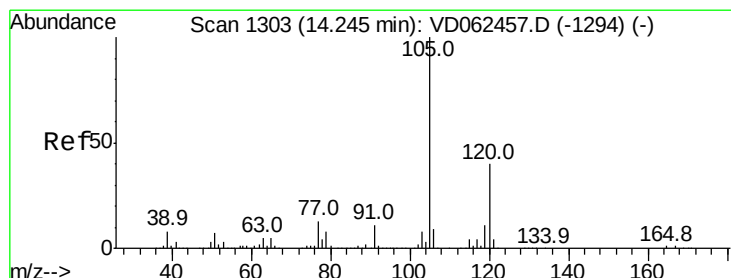
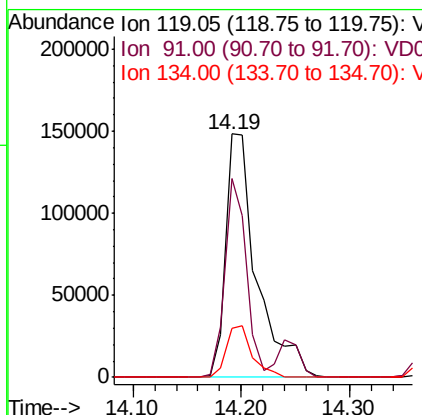
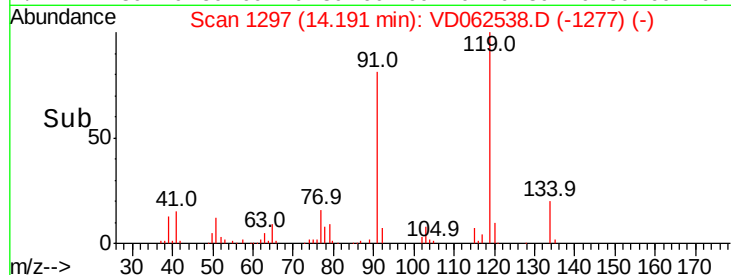
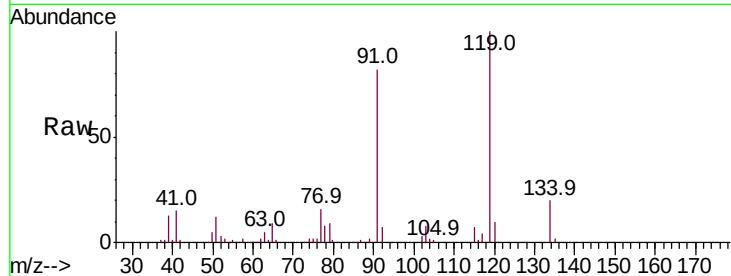




#83
 tert-Butylbenzene
 Concen: 20.337 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

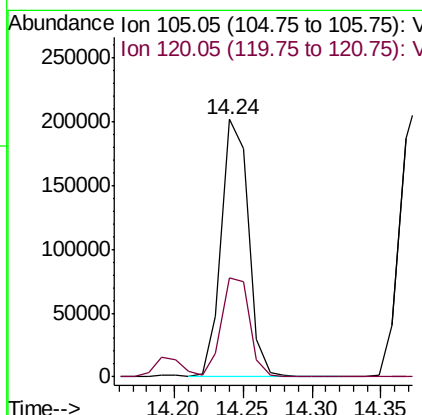
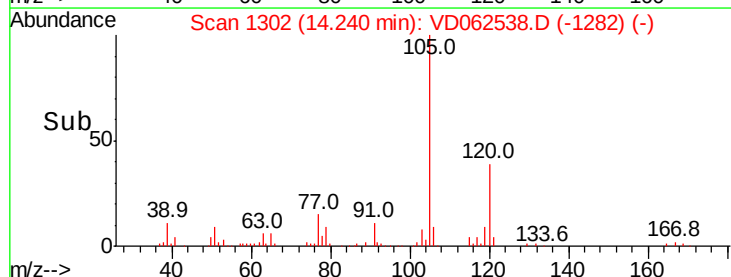
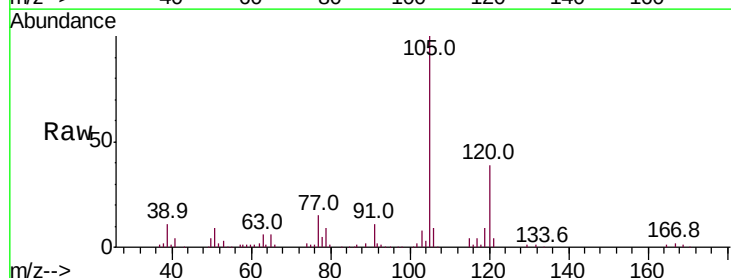
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

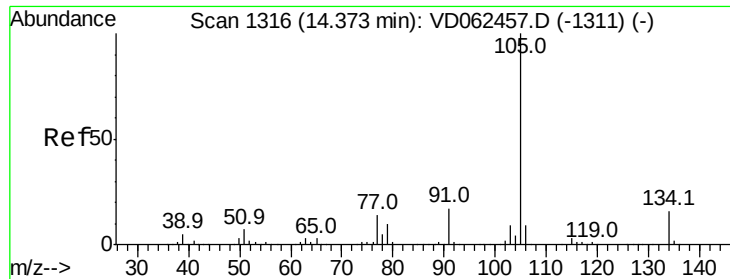
Tot Ion:119 Resp: 296059
 Ion Ratio Lower Upper
 119 100
 91 81.5 34.2 102.6
 134 20.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.494 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion:105 Resp: 275596
 Ion Ratio Lower Upper
 105 100
 120 38.7 23.1 69.2

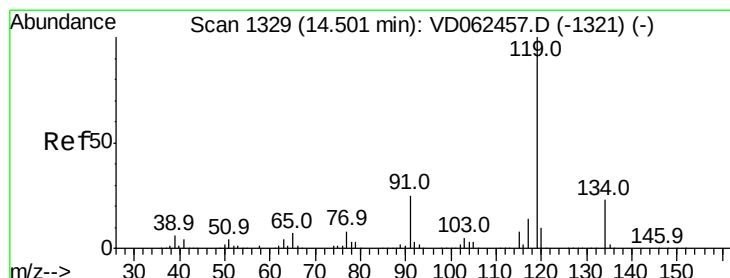
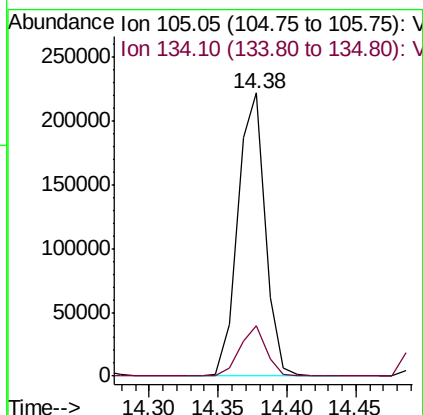
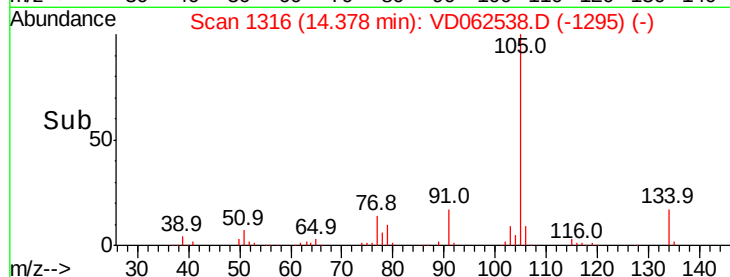
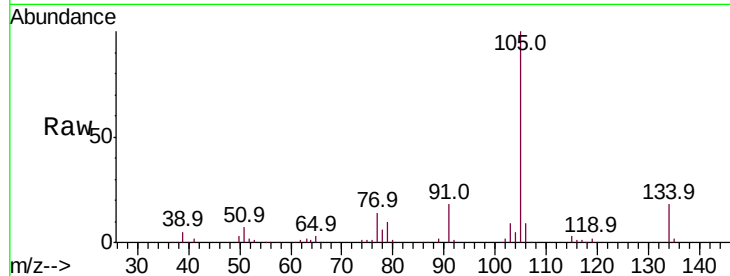




#85
 sec-Butylbenzene
 Concen: 20.260 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

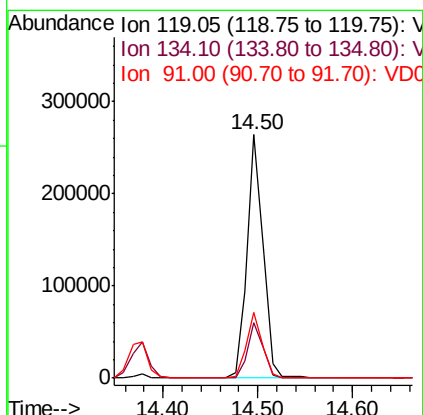
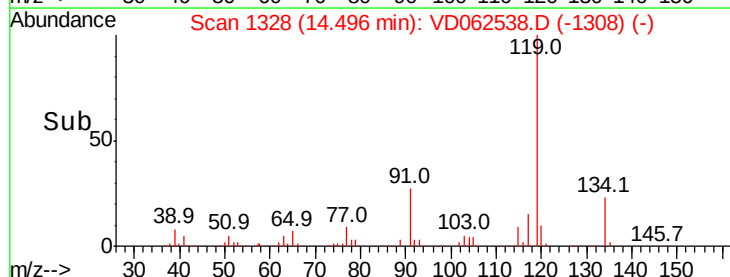
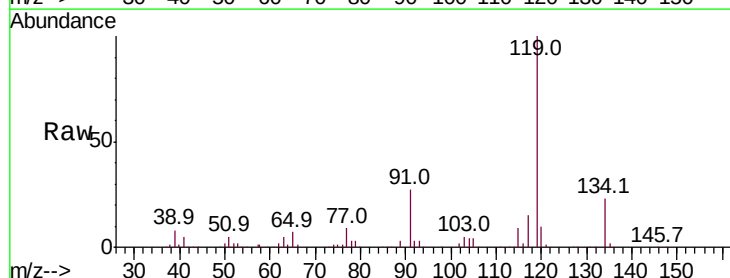
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

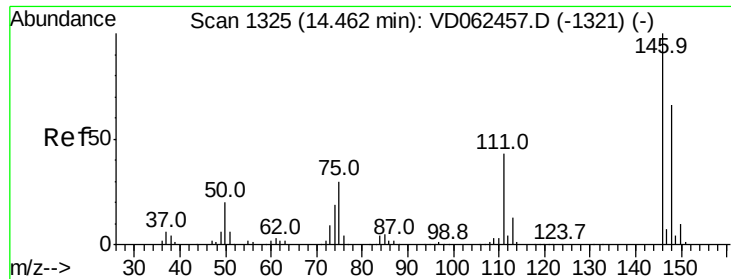
Tot Ion:105 Resp: 307531
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 22.410 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion:119 Resp: 308279
 Ion Ratio Lower Upper
 119 100
 134 22.5 12.8 38.3
 91 27.2 10.7 32.1

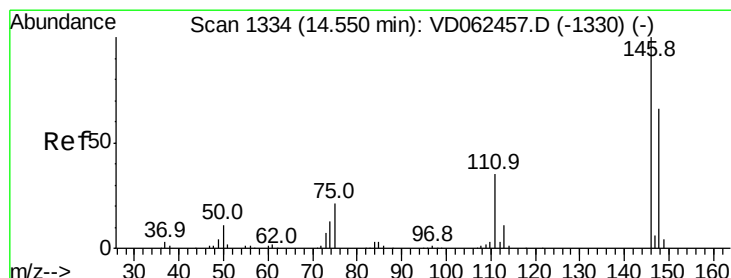
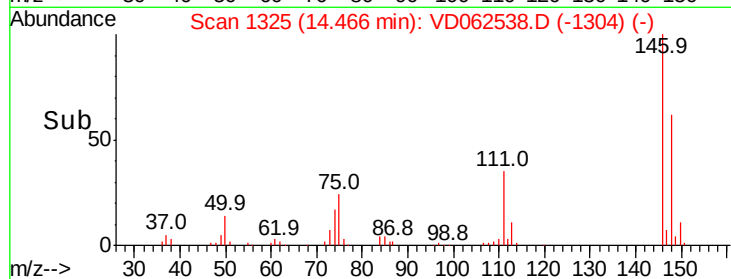
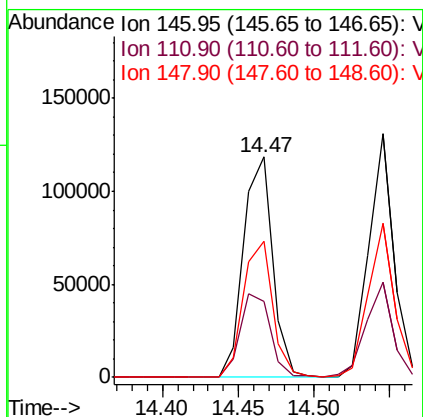
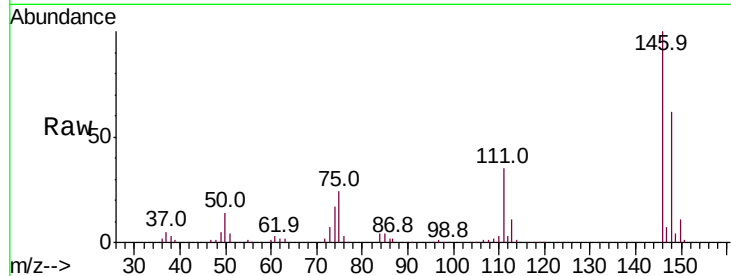




#87
 1,3-Dichlorobenzene
 Concen: 21.022 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

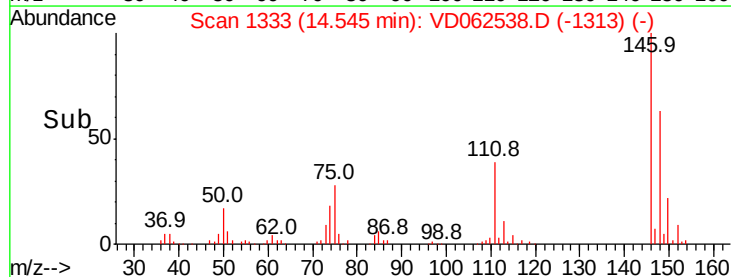
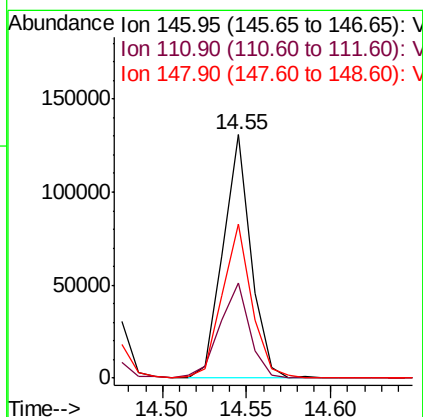
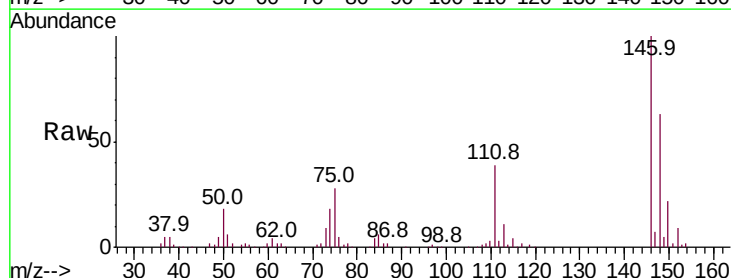
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

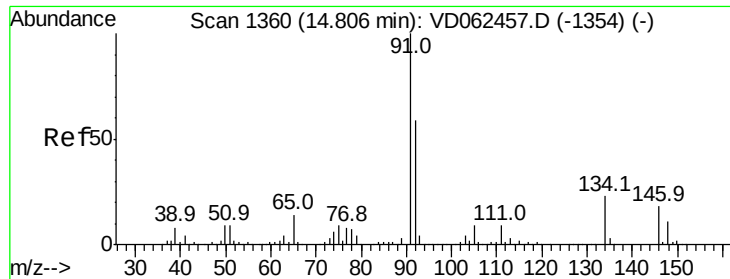
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.5	20.0	60.0
148	61.7	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.527 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.2	60.5
148	63.3	32.0	96.2

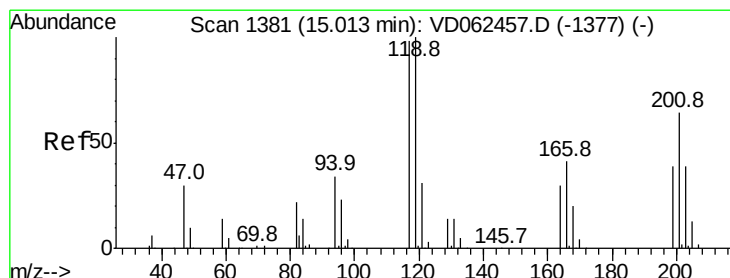
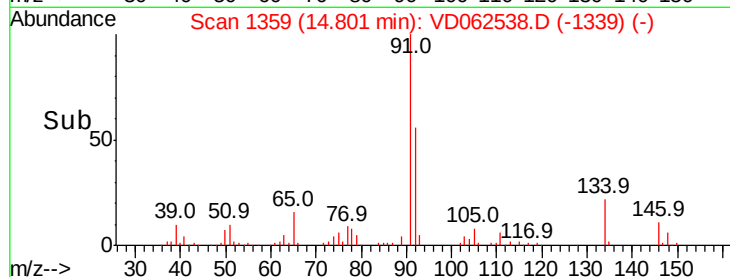
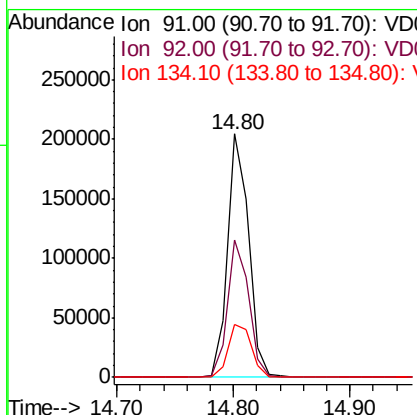
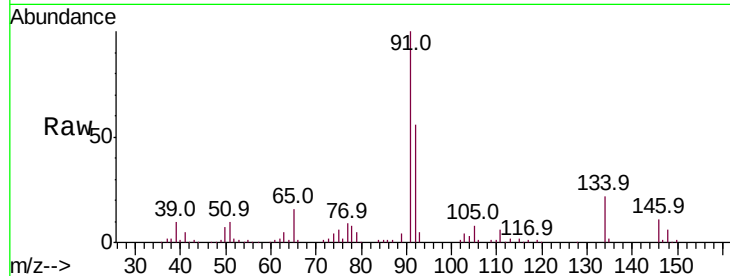




#89
n-Butylbenzene
Concen: 19.379 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

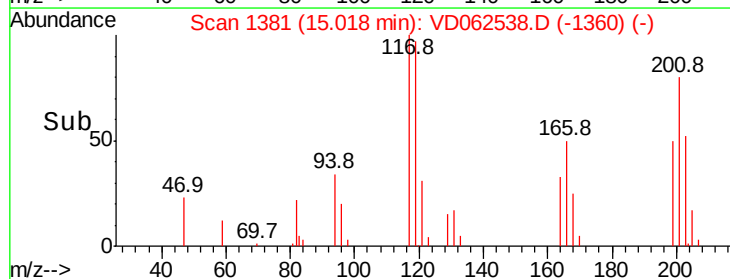
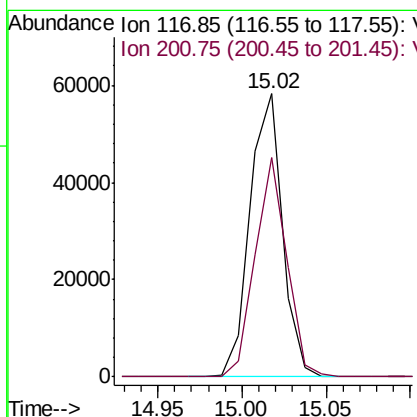
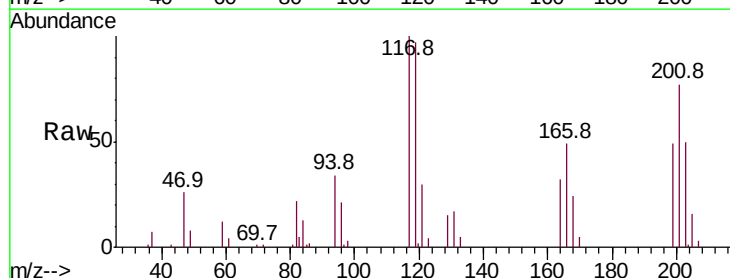
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

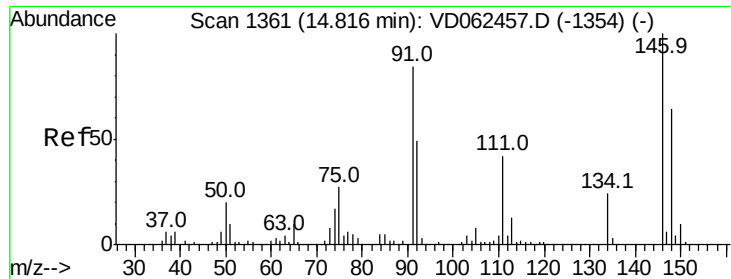
Tot Ion: 91 Resp: 257267
Ion Ratio Lower Upper
91 100
92 56.3 30.3 91.0
134 21.8 14.5 43.6



#90
Hexachloroethane
Concen: 20.423 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD062538.D
Acq: 28 May 2019 14:59

Tgt Ion: 117 Resp: 77643
Ion Ratio Lower Upper
117 100
201 77.3 30.2 90.6

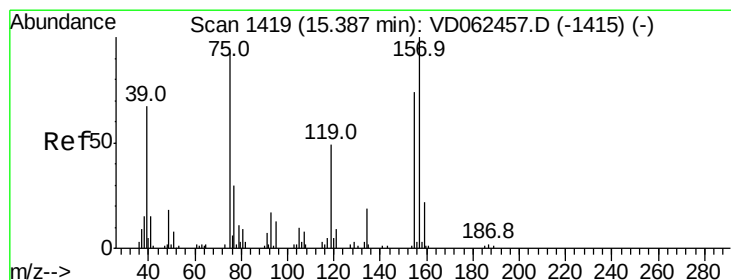
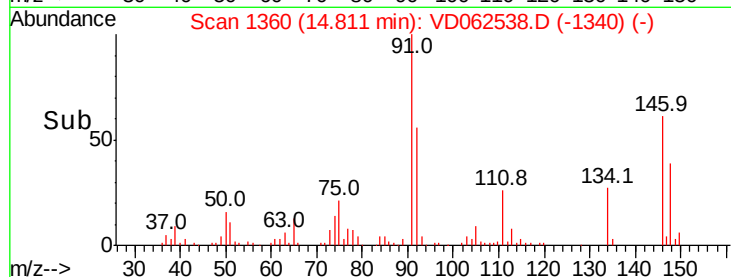
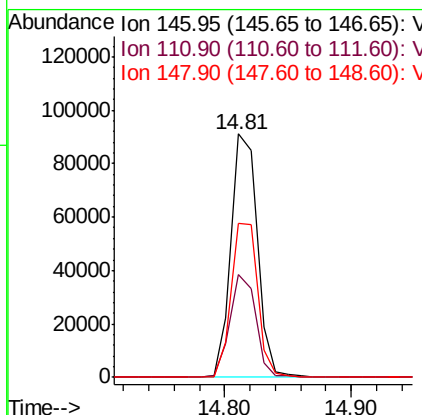
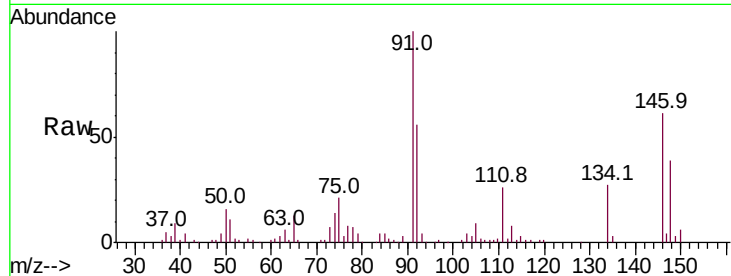




#91
 1,2-Dichlorobenzene
 Concen: 20.350 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

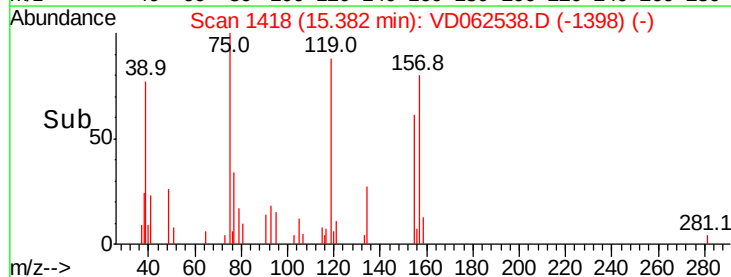
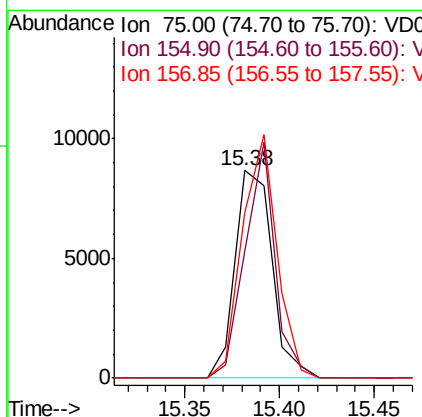
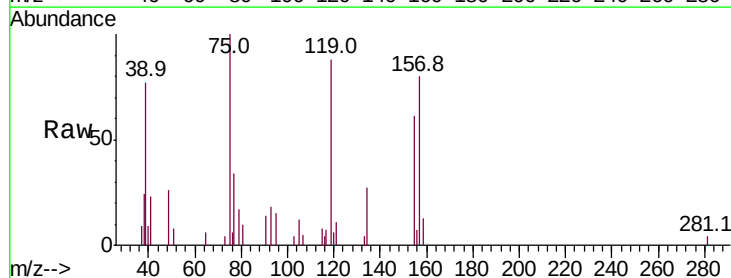
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

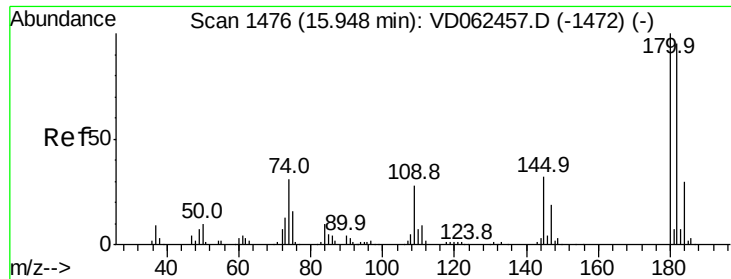
Tot Ion:146 Resp: 131395
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.0 59.9
 148 63.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.555 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion: 75 Resp: 11707
 Ion Ratio Lower Upper
 75 100
 155 67.8 55.3 165.8
 157 80.0 67.8 203.2

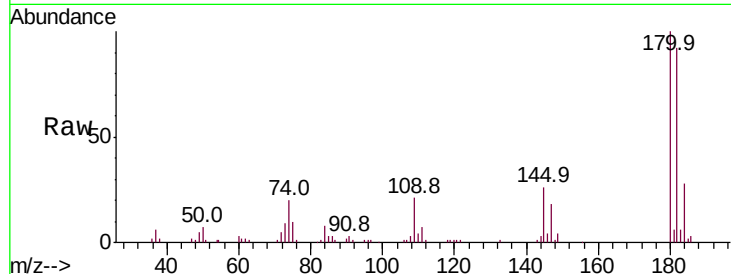




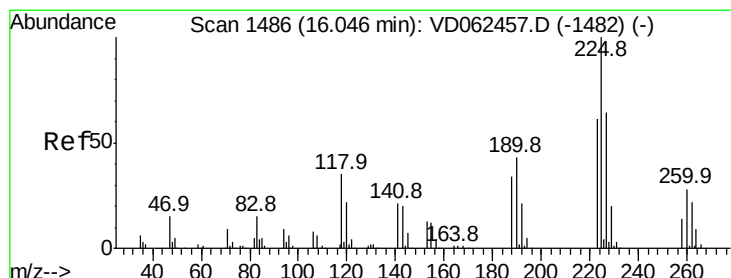
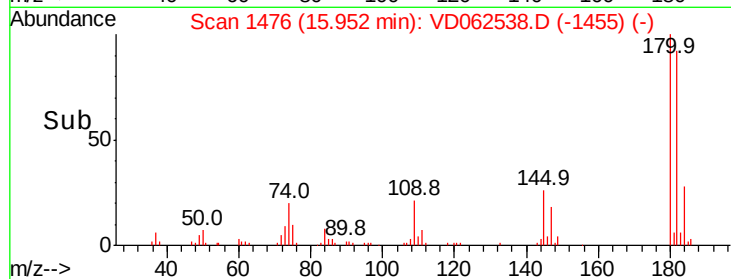
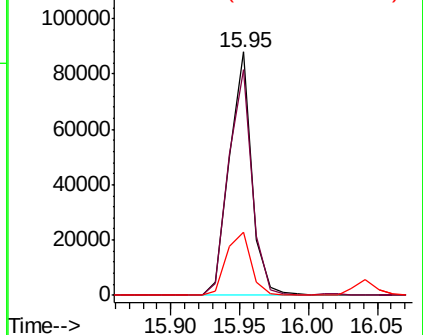
#93
 1,2,4-Trichlorobenzene
 Concen: 19.479 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

Tot Ion:180 Resp: 99031
 Ion Ratio Lower Upper
 180 100
 182 92.5 49.3 147.8
 145 25.7 16.2 48.6

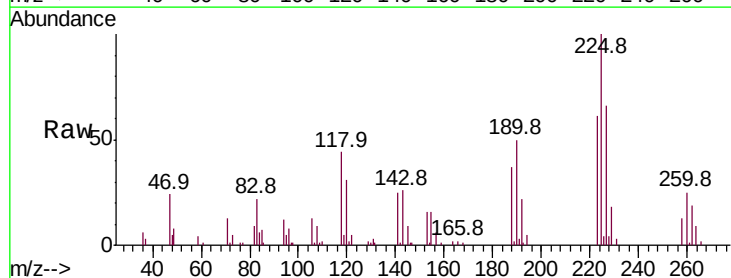


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

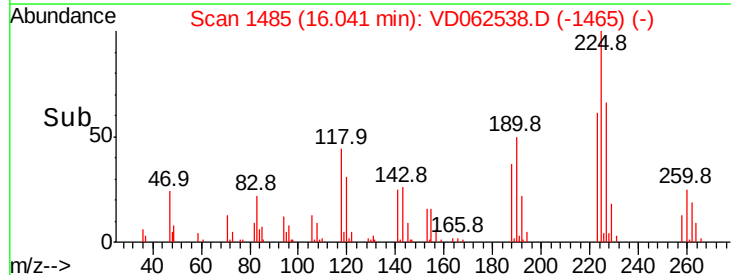
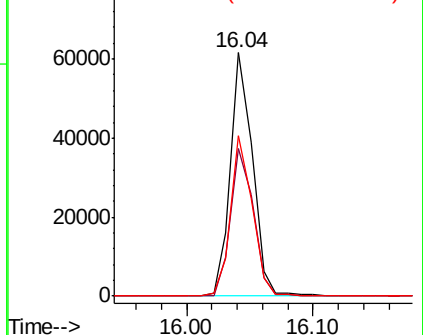


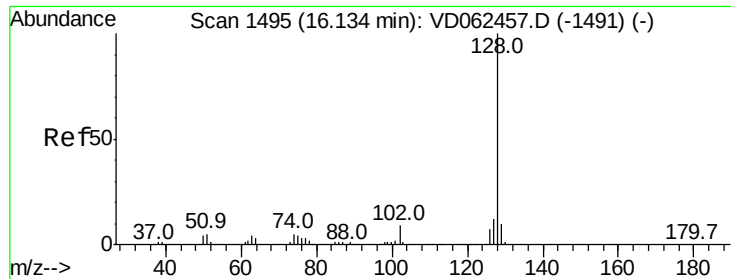
#94
 Hexachlorobutadiene
 Concen: 19.812 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062538.D
 Acq: 28 May 2019 14:59

Tgt Ion:225 Resp: 74371
 Ion Ratio Lower Upper
 225 100
 223 60.8 30.6 92.0
 227 65.8 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: 19.617 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

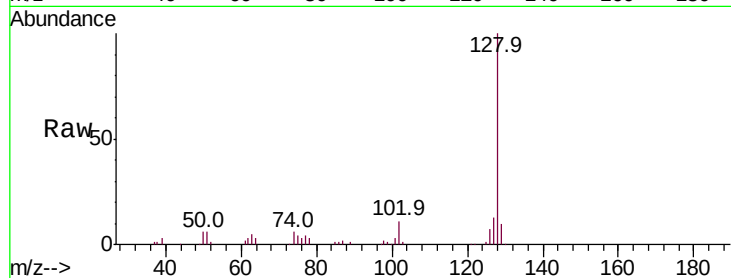
Tot Ion:128 Resp: 136274

Ion Ratio Lower Upper

128 100

127 12.8 9.8 14.8

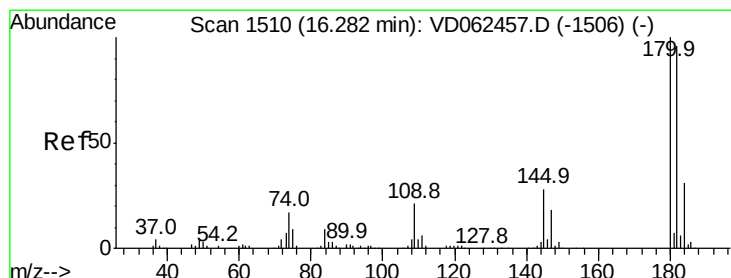
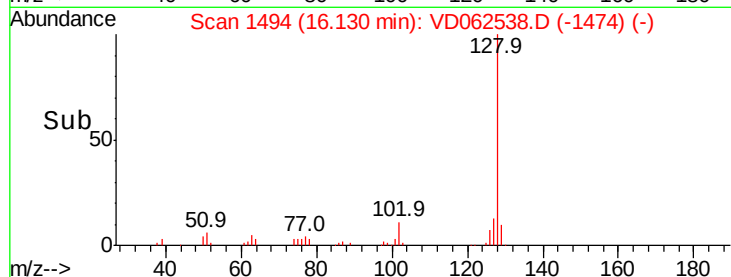
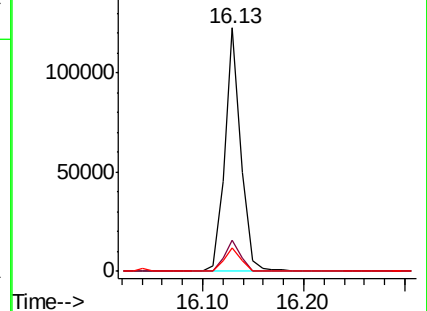
129 9.8 8.8 13.2



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: 18.512 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD062538.D

Acq: 28 May 2019 14:59

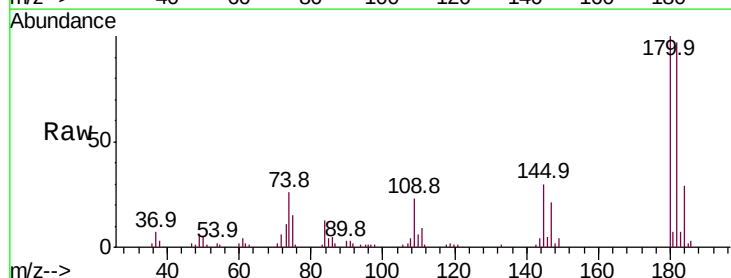
Tgt Ion:180 Resp: 77154

Ion Ratio Lower Upper

180 100

182 97.4 47.0 141.0

145 30.5 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

