

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062540.D
 Acq On : 28 May 2019 15:53
 Operator : VA/AP
 Sample : VD0528SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Quant Time: May 29 01:00:49 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	7.05	168	380700	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	480133	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	438875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	242301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	208331	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	6.93	113	209882	48.46	ug/l	-0.01
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	10.42	98	424829	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	
62) 4-Bromofluorobenzene	13.56	95	208848	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	95263	24.088	ug/l	100
3) Chloromethane	1.74	50	59477	22.552	ug/l #	88
4) Vinyl Chloride	1.85	62	66150	23.836	ug/l	98
5) Bromomethane	2.15	94	39570	33.043	ug/l	99
6) Chloroethane	2.24	64	36568	27.239	ug/l	97
7) Trichlorofluoromethane	2.52	101	169819	26.484	ug/l	97
8) Diethyl Ether	2.87	74	18827	21.766	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	84549	22.163	ug/l	97
10) Methyl Iodide	3.30	142	117508	22.091	ug/l #	80
11) Tert butyl alcohol	4.09	59	23485	124.852	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	61799	21.920	ug/l #	71
13) Acrolein	3.04	56	15619	99.988	ug/l	91
14) Allyl chloride	3.62	41	86738	20.865	ug/l #	66
15) Acrylonitrile	4.20	53	39586	91.841	ug/l #	82
16) Acetone	3.23	43	78574	107.597	ug/l #	82
17) Carbon Disulfide	3.37	76	176253	20.642	ug/l	98
18) Methyl Acetate	3.65	43	27174	21.565	ug/l #	83
19) Methyl tert-butyl Ether	4.24	73	142585	21.896	ug/l	94
20) Methylene Chloride	3.82	84	61654	15.468	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	63989	19.387	ug/l	85
22) Diisopropyl ether	5.13	45	169882	19.199	ug/l	90
23) Vinyl Acetate	5.07	43	521014	97.446	ug/l	99
24) 1,1-Dichloroethane	4.99	63	107616	18.884	ug/l	95
25) 2-Butanone	6.08	43	74095	97.011	ug/l	98
26) 2,2-Dichloropropane	6.03	77	143934	23.431	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	67311	18.913	ug/l	79
28) Bromochloromethane	6.45	49	35308	17.263	ug/l	90
29) Tetrahydrofuran	6.47	42	34180	93.702	ug/l	94
30) Chloroform	6.67	83	151984	20.919	ug/l	98
31) Cyclohexane	6.97	56	69467	18.054	ug/l	89
32) 1,1,1-Trichloroethane	6.88	97	162561	22.163	ug/l	99
36) 1,1-Dichloropropene	7.15	75	98931	21.552	ug/l	94
37) Ethyl Acetate	6.20	43	43655	24.480	ug/l #	88
38) Carbon Tetrachloride	7.12	117	169640	24.865	ug/l	97

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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	84833	22.406	ug/l	99
40) Benzene	7.46	78	191744	21.295	ug/l	98
41) Methacrylonitrile	6.47	41	48642	21.718	ug/l #	73
42) 1,2-Dichloroethane	7.59	62	116962	24.531	ug/l	90
43) Isopropyl Acetate	9.25	43	49347	20.859	ug/l	99
44) Trichloroethene	8.54	130	76268	21.155	ug/l	92
45) 1,2-Dichloropropane	8.95	63	43959	20.033	ug/l #	88
46) Dibromomethane	9.07	93	43434	21.837	ug/l #	78
47) Bromodichloromethane	9.39	83	120581	23.830	ug/l	98
48) Methyl methacrylate	9.13	41	34927	21.939	ug/l #	70
49) 1,4-Dioxane	9.10	88	6161	431.447	ug/l #	70
51) 4-Methyl-2-Pentanone	10.31	43	173066	110.737	ug/l	93
52) Toluene	10.52	92	120399	19.532	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	99654	23.656	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	98011	22.297	ug/l #	78
55) 1,1,2-Trichloroethane	11.20	97	43961	21.043	ug/l	98
56) Ethyl methacrylate	11.05	69	48375	21.660	ug/l #	73
57) 1,3-Dichloropropane	11.42	76	65622	20.482	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	125582	109.507	ug/l	95
59) 2-Hexanone	11.54	43	133005	117.098	ug/l	90
60) Dibromochloromethane	11.69	129	93969	23.419	ug/l	98
61) 1,2-Dibromoethane	11.82	107	56857	22.084	ug/l	99
64) Tetrachloroethene	11.27	164	75962	20.671	ug/l	92
65) Chlorobenzene	12.41	112	161217	19.102	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	84029	21.569	ug/l	90
67) Ethyl Benzene	12.53	91	316754	21.790	ug/l	92
68) m/p-Xylenes	12.68	106	205882	39.455	ug/l	88
69) o-Xylene	13.06	106	96205	19.540	ug/l	81
70) Styrene	13.08	104	169383	20.223	ug/l #	89
71) Bromoform	13.24	173	57017	22.038	ug/l	100
73) Isopropylbenzene	13.41	105	289288	18.941	ug/l	96
74) N-amyl acetate	13.28	43	73337	19.441	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	49869	18.099	ug/l #	87
76) 1,2,3-Trichloropropane	13.74	75	59915	20.993	ug/l	96
77) Bromobenzene	13.68	156	83339	19.235	ug/l	98
78) n-propylbenzene	13.78	91	358591	20.269	ug/l	97
79) 2-Chlorotoluene	13.85	91	217430	20.252	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	261936	19.807	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	14354	17.833	ug/l #	64
82) 4-Chlorotoluene	13.96	91	258952	20.943	ug/l	86
83) tert-Butylbenzene	14.20	119	304987	20.791	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	282620	20.857	ug/l	88
85) sec-Butylbenzene	14.38	105	295237	19.302	ug/l	98
86) p-Isopropyltoluene	14.50	119	298142	21.509	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	152395	19.918	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	153699	20.817	ug/l	97
89) n-Butylbenzene	14.80	91	277206	20.722	ug/l	94
90) Hexachloroethane	15.02	117	83603	21.824	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	140336	21.570	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11787	22.537	ug/l	64

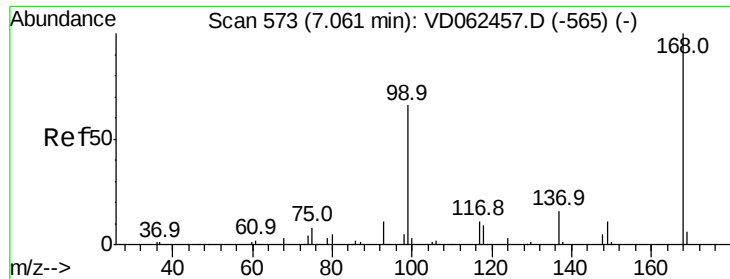
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
Data File : VD062540.D
Acq On : 28 May 2019 15:53
Operator : VA/AP
Sample : VD0528SBSD01
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Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	108291	21.139	ug/l	90
94) Hexachlorobutadiene	16.04	225	78948	20.872	ug/l	99
95) Naphthalene	16.13	128	129399	18.486	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	81627	19.437	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

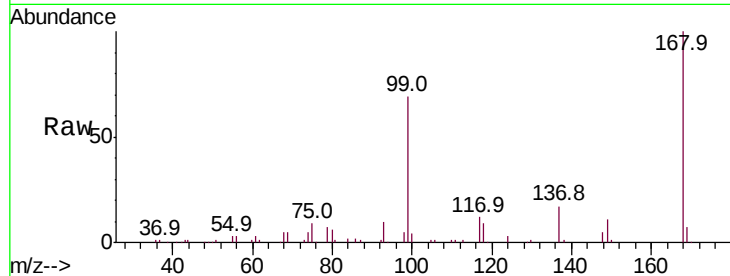
VD0528SBSD01

Tot Ion:168 Resp: 380700

Ion Ratio Lower Upper

168 100

99 68.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

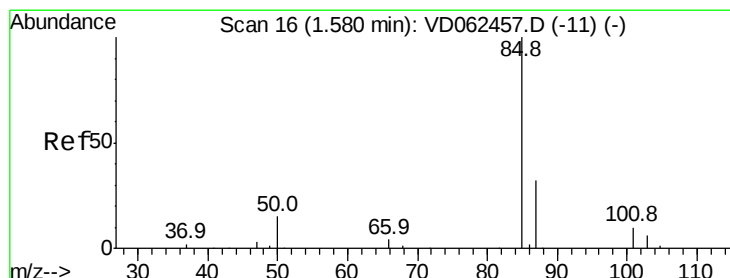
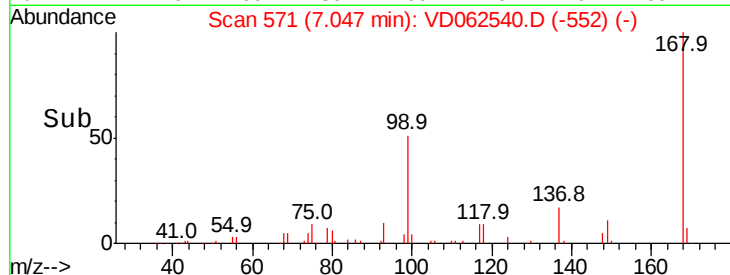
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 24.088 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062540.D

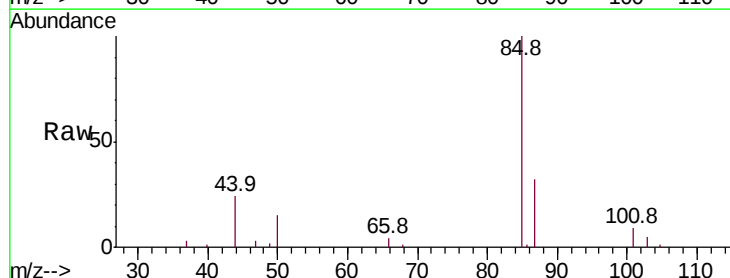
Acq: 28 May 2019 15:53

Tgt Ion: 85 Resp: 95263

Ion Ratio Lower Upper

85 100

87 32.2 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

50000

40000

30000

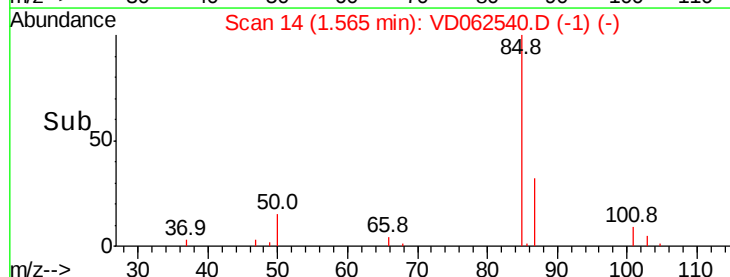
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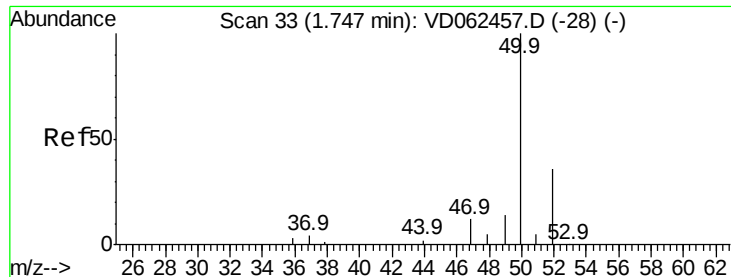
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.552 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

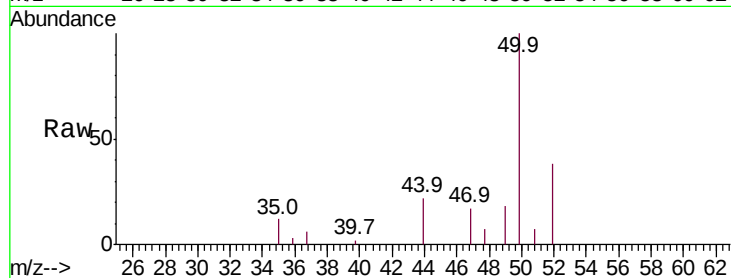
VD0528SBSD01

Tot Ion: 50 Resp: 59477

Ion Ratio Lower Upper

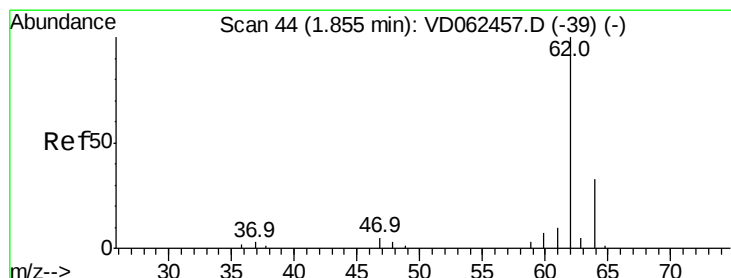
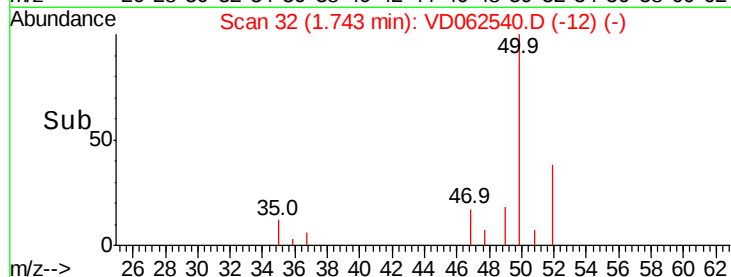
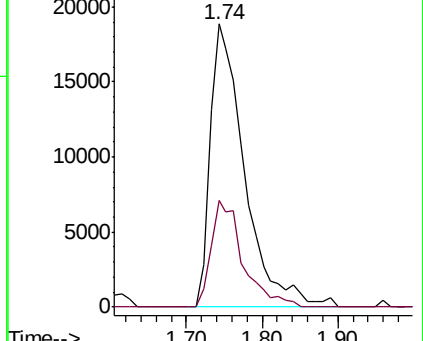
50 100

52 37.9 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: 23.836 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062540.D

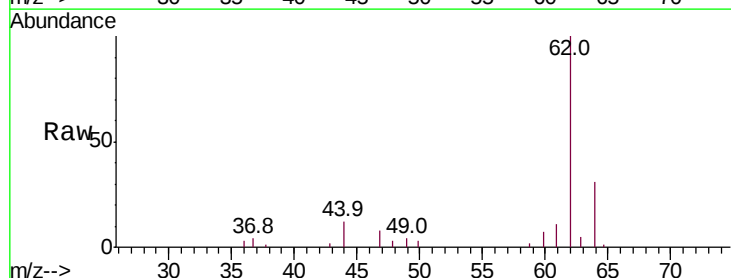
Acq: 28 May 2019 15:53

Tgt Ion: 62 Resp: 66150

Ion Ratio Lower Upper

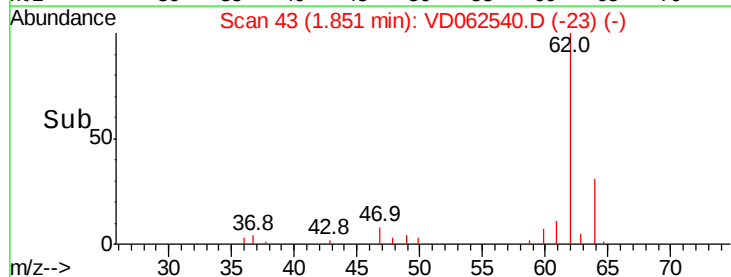
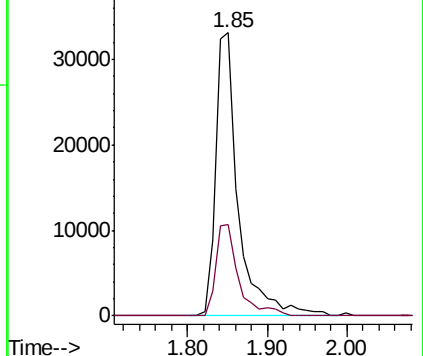
62 100

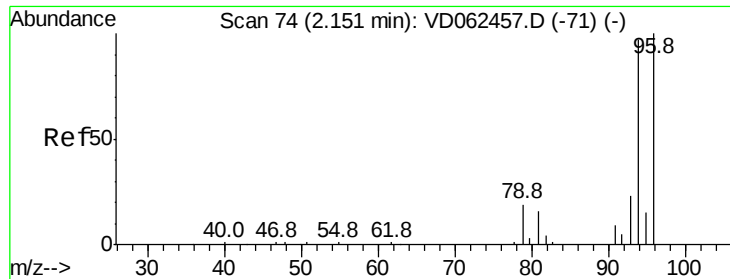
64 32.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 33.043 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

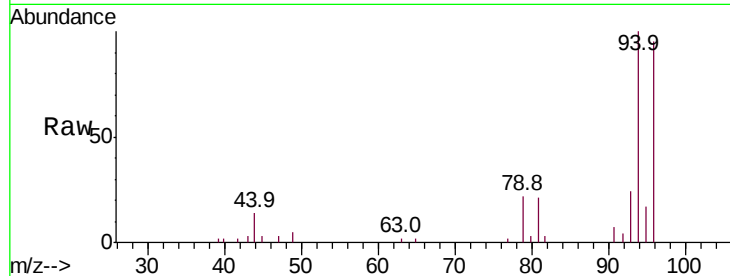
Tot Ion: 94 Resp: 39570

Ion Ratio Lower Upper

94 100

96 94.5 76.6 115.0

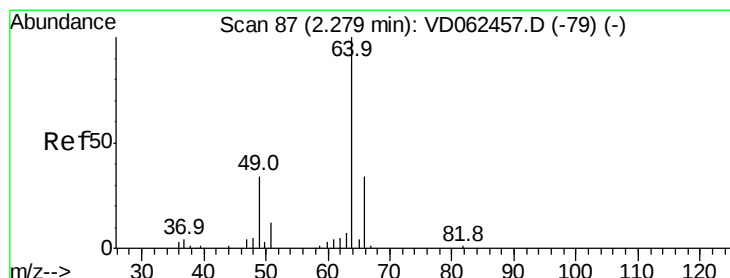
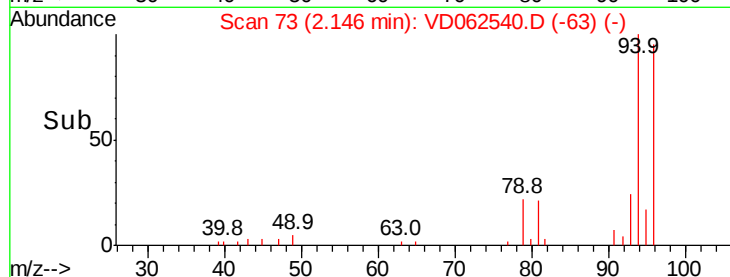
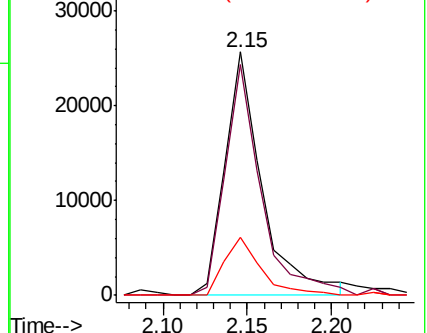
93 23.7 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 27.239 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

Lab File: VD062540.D

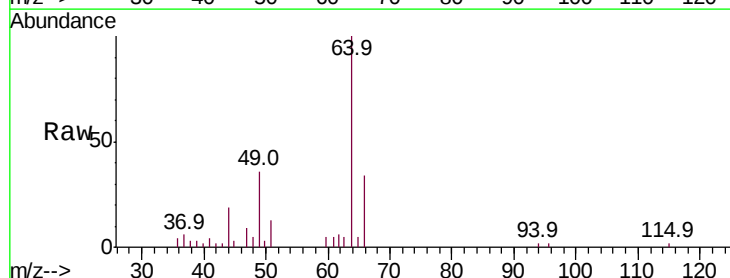
Acq: 28 May 2019 15:53

Tgt Ion: 64 Resp: 36568

Ion Ratio Lower Upper

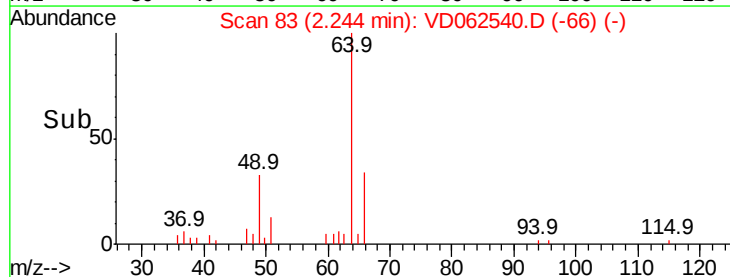
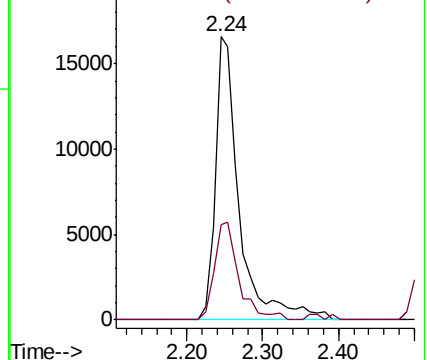
64 100

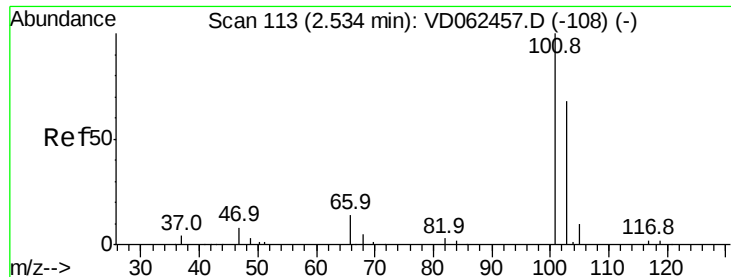
66 33.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



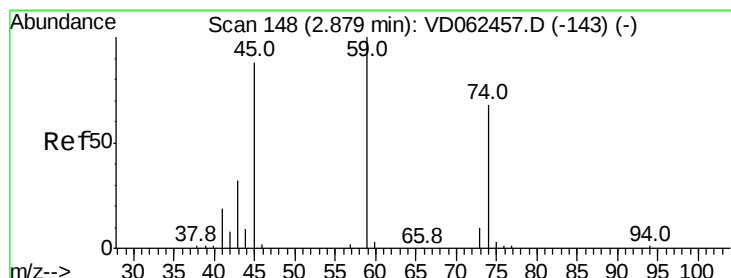
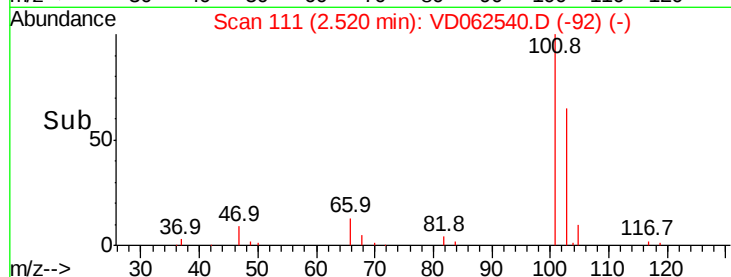
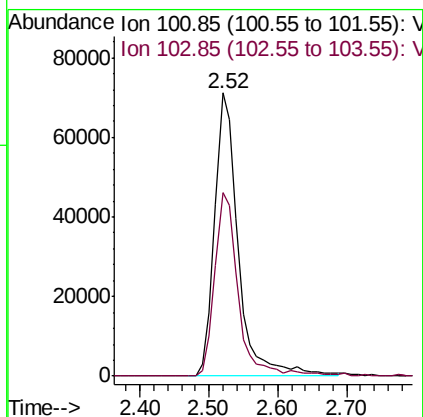
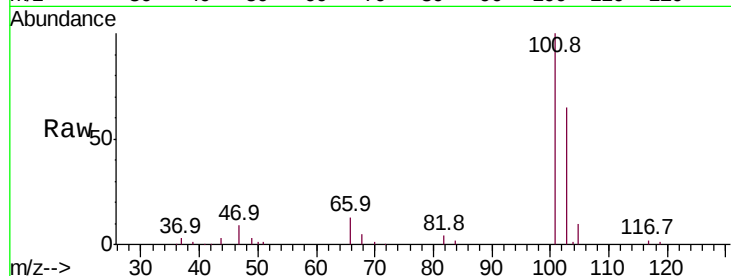


#7

Trichlorofluoromethane
 Concen: 26.484 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Instrument :
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 VD0528SBSD01

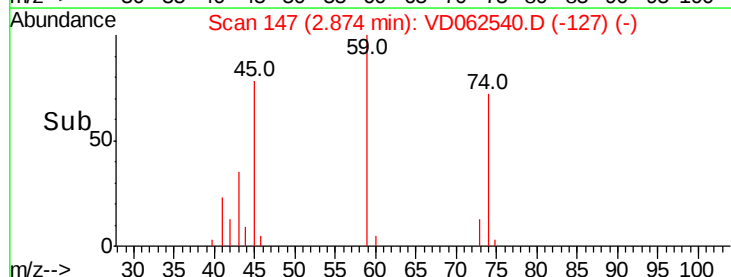
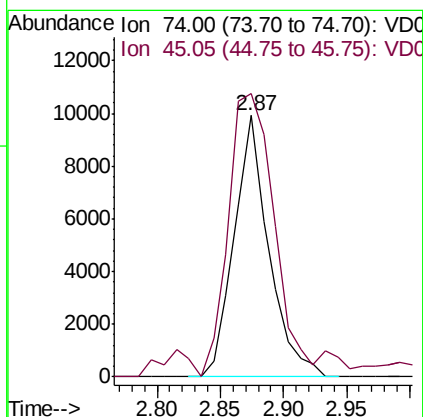
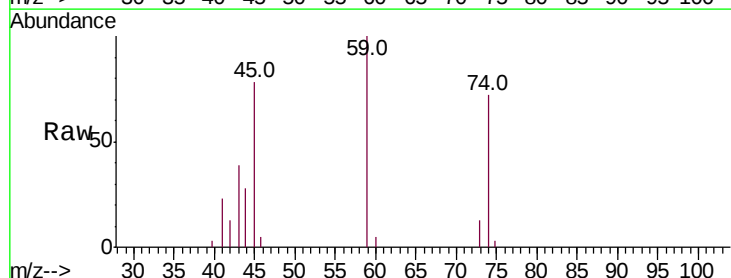
Tot Ion:101 Resp: 169819
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.6 80.4

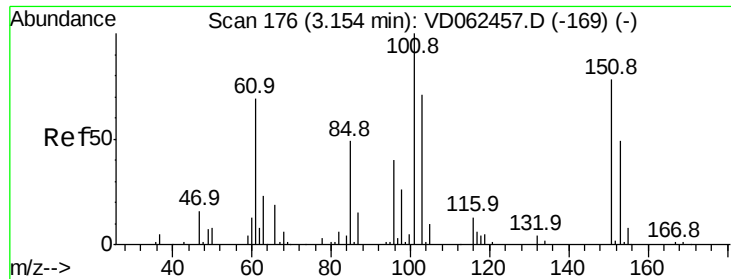


#8

Diethyl Ether
 Concen: 21.766 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Tgt Ion: 74 Resp: 18827
 Ion Ratio Lower Upper
 74 100
 45 114.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.163 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

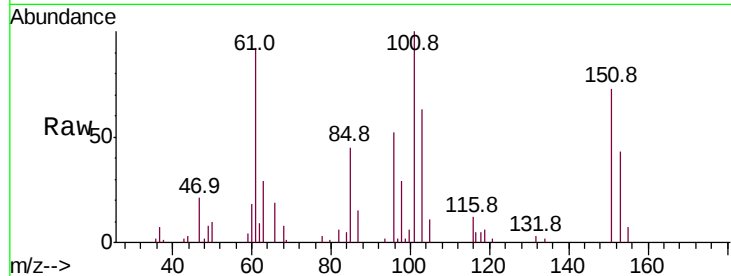
Tot Ion:101 Resp: 84549

Ion Ratio Lower Upper

101 100

85 45.0 32.4 48.6

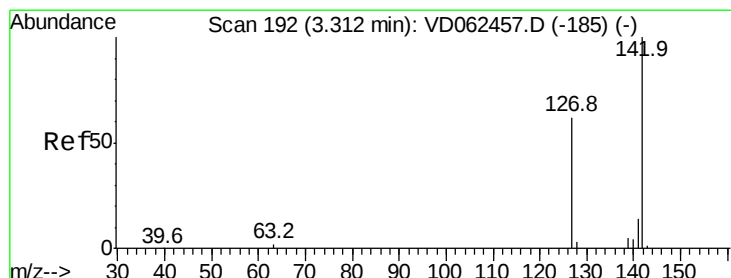
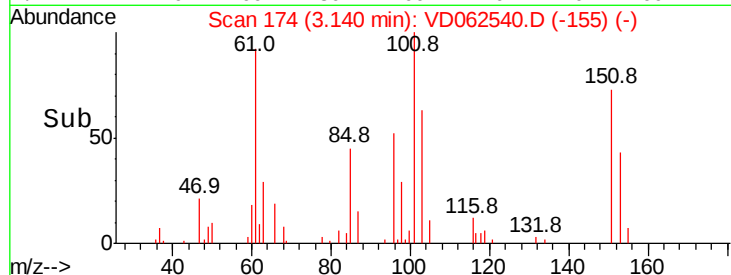
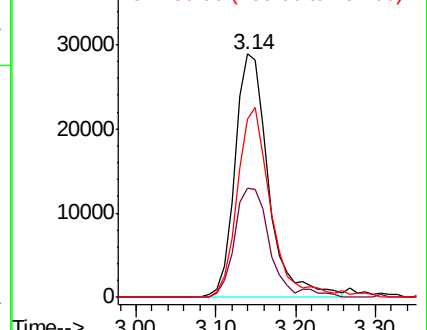
151 73.1 59.4 89.0



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: 22.091 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

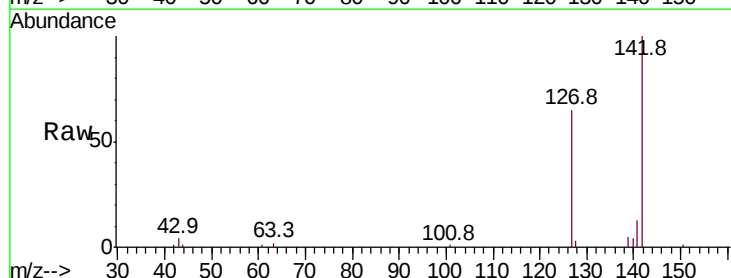
Tgt Ion:142 Resp: 117508

Ion Ratio Lower Upper

142 100

127 64.9 38.8 58.2#

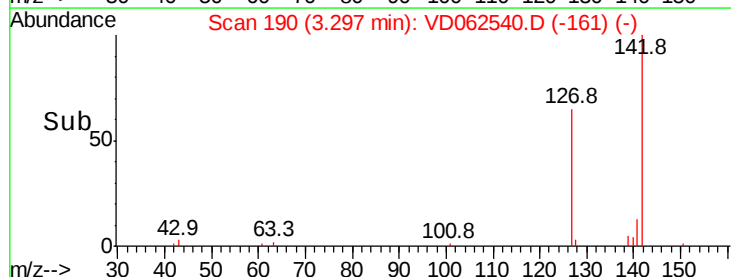
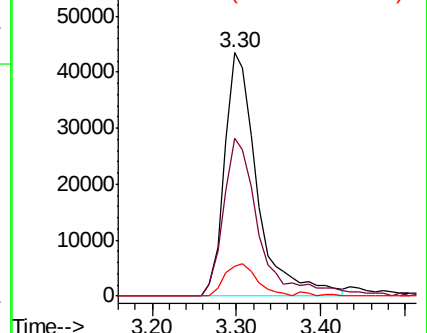
141 12.5 11.4 17.0

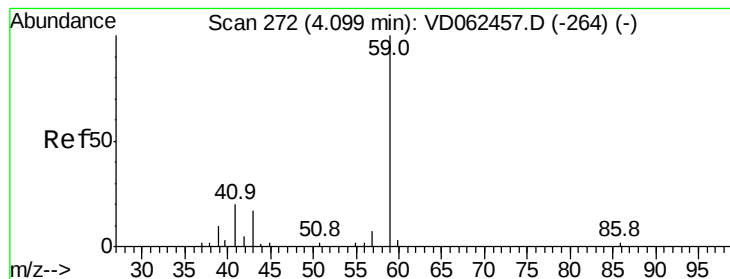


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



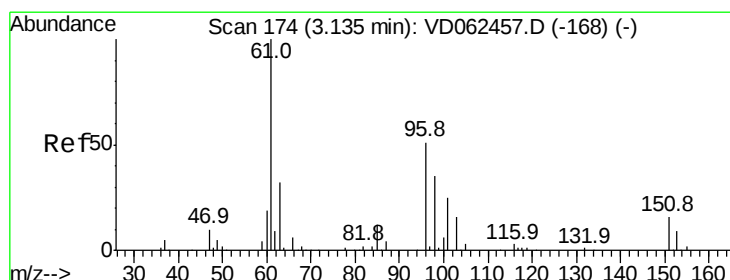
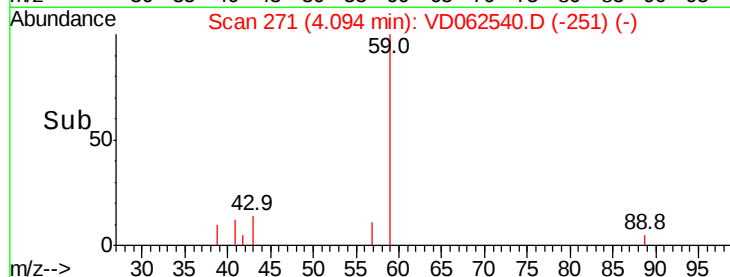
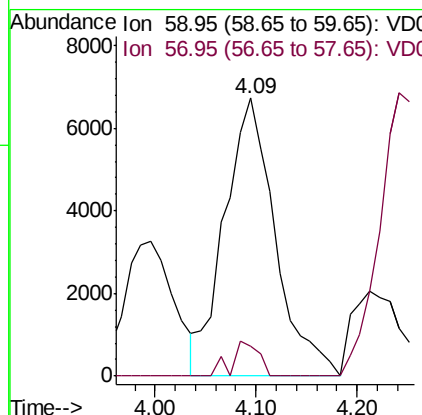
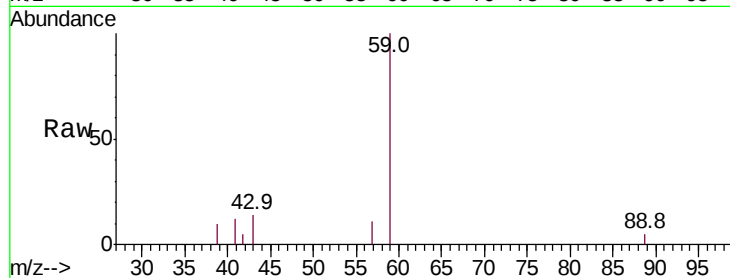


#11

Tert butyl alcohol
 Concen: 124.852 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. -0.00 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

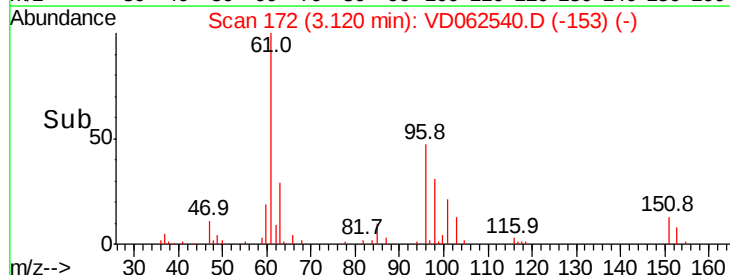
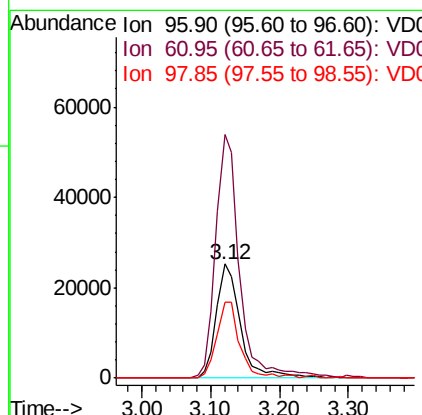
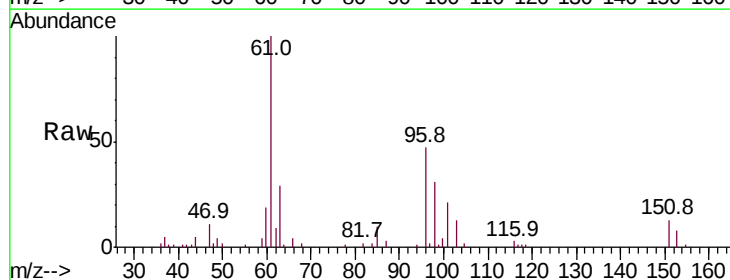
Tot Ion: 59 Resp: 23485
 Ion Ratio Lower Upper
 59 100
 57 10.6 6.9 10.3#

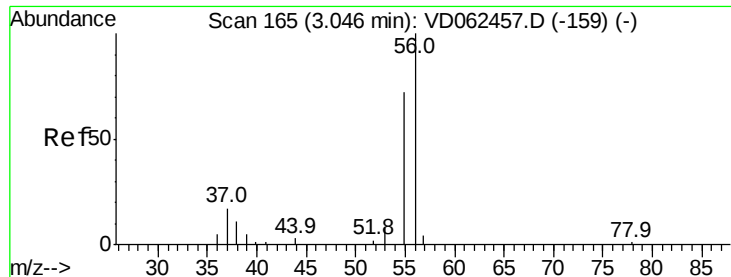


#12

1,1-Dichloroethene
 Concen: 21.920 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Tgt Ion: 96 Resp: 61799
 Ion Ratio Lower Upper
 96 100
 61 213.7 129.8 194.8#
 98 66.4 51.2 76.8





#13

Acrolein

Concen: 99.988 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

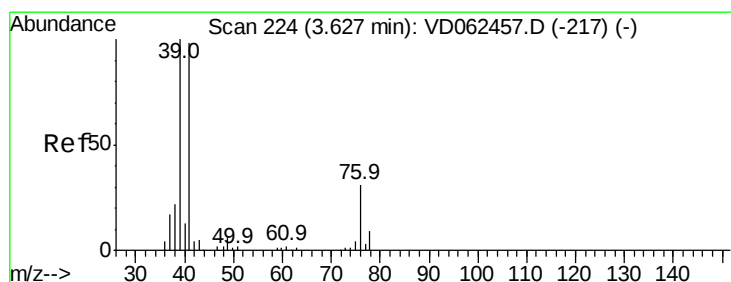
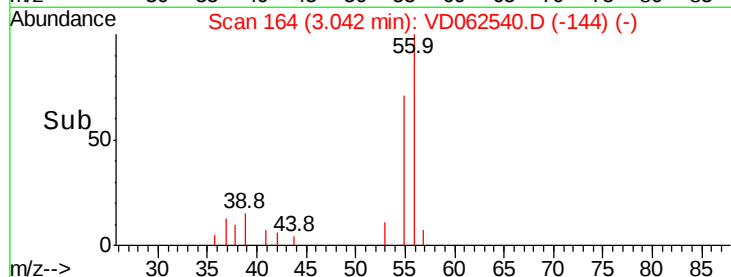
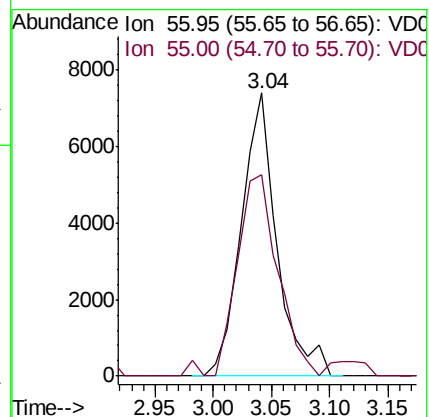
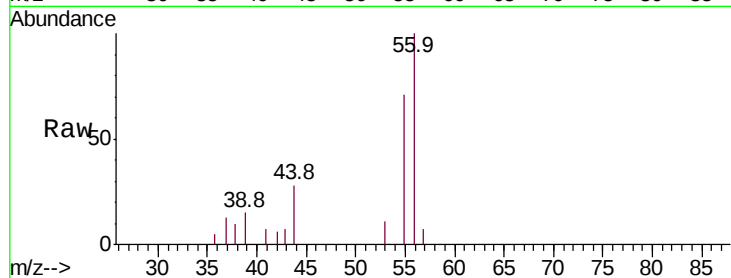
VD0528SBS01

Tot Ion: 56 Resp: 15619

Ion Ratio Lower Upper

56 100

55 71.0 51.4 77.2



#14

Allyl chloride

Concen: 20.865 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

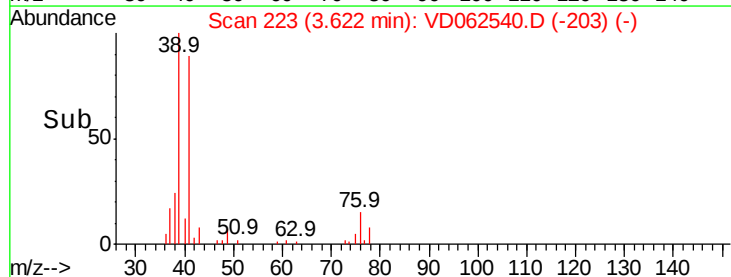
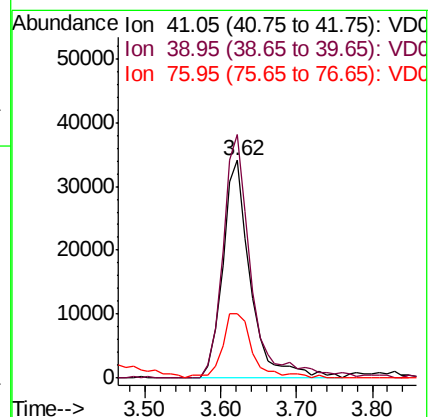
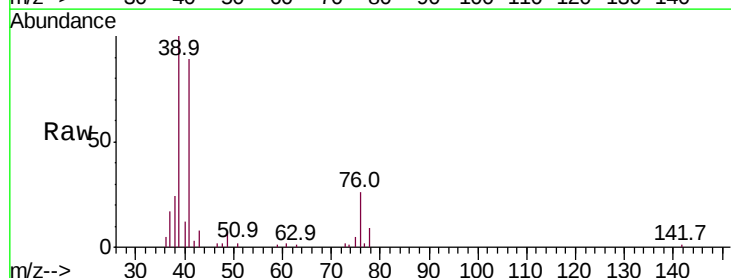
Tgt Ion: 41 Resp: 86738

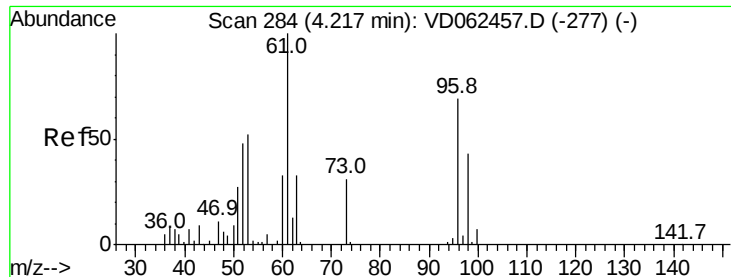
Ion Ratio Lower Upper

41 100

39 111.9 60.5 90.7#

76 29.6 31.8 47.8#





#15

Acrylonitrile

Concen: 91.841 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

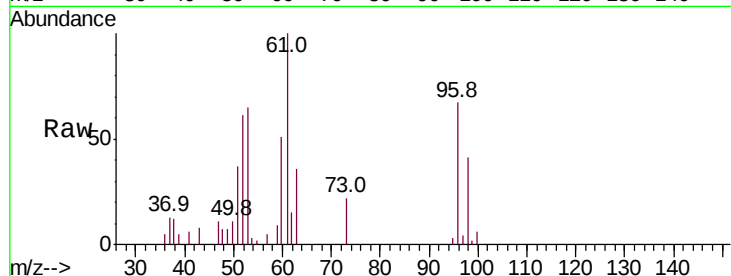
Tot Ion: 53 Resp: 39586

Ion Ratio Lower Upper

53 100

52 93.6 65.0 97.4

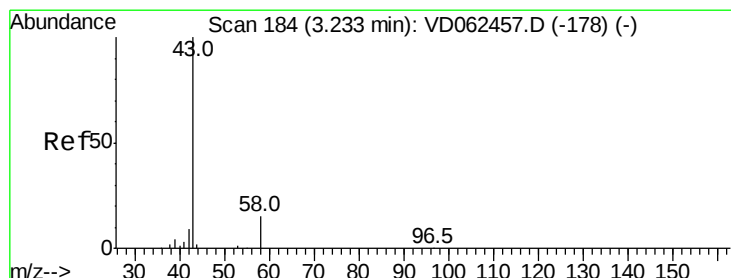
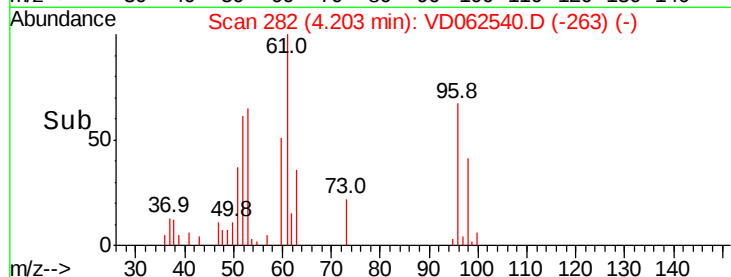
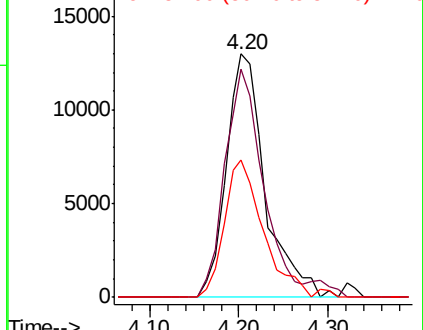
51 56.6 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 107.597 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062540.D

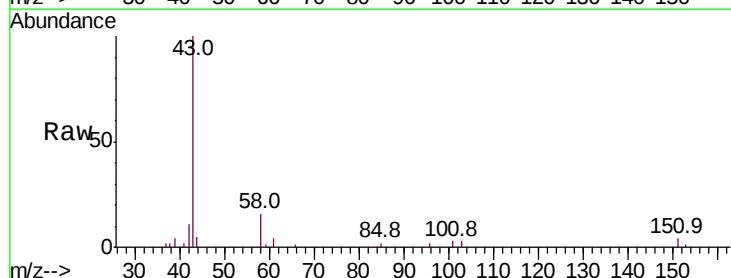
Acq: 28 May 2019 15:53

Tgt Ion: 43 Resp: 78574

Ion Ratio Lower Upper

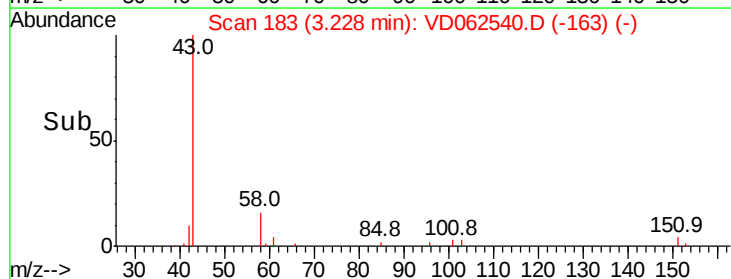
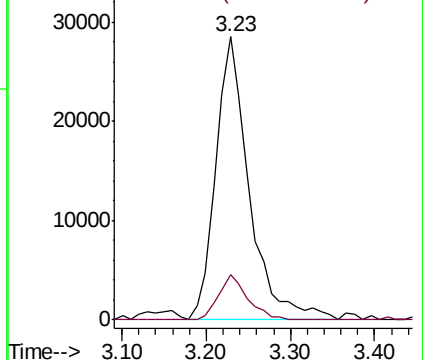
43 100

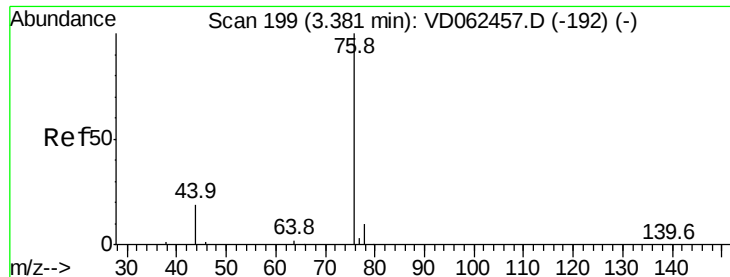
58 15.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

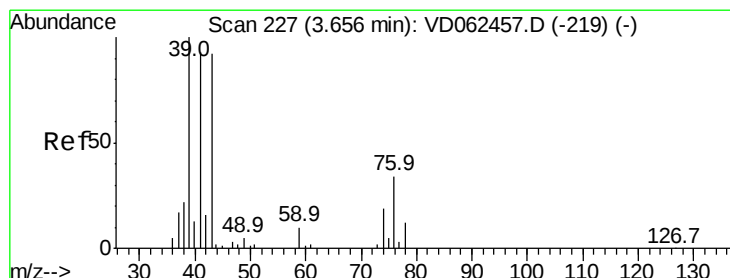
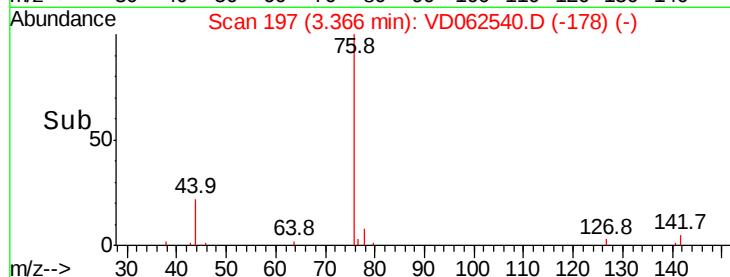
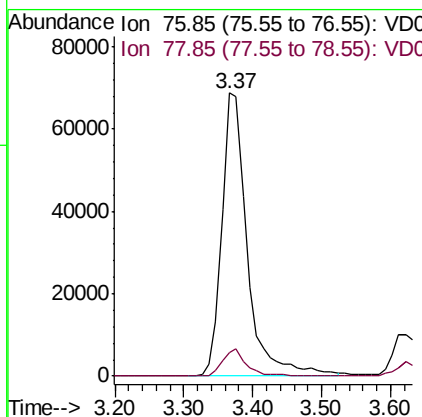
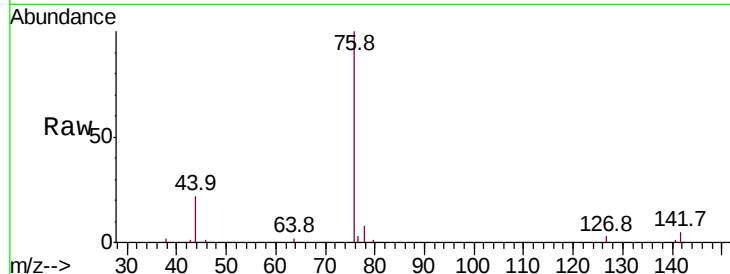




#17
Carbon Disulfide
Concen: 20.642 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

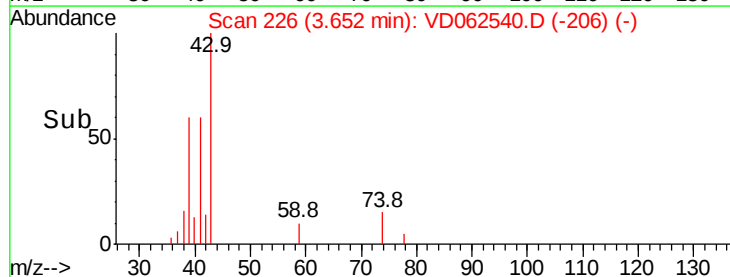
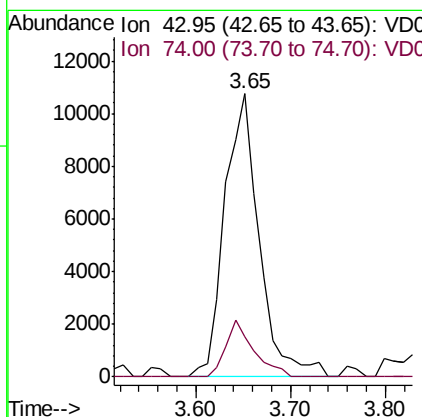
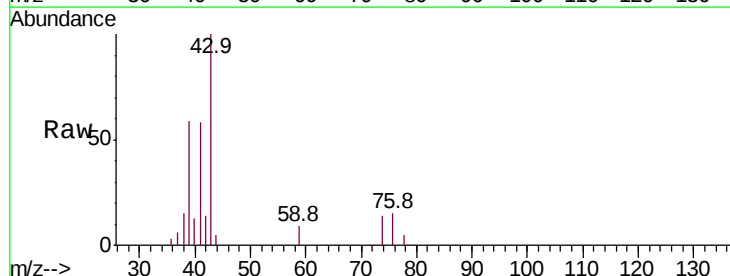
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

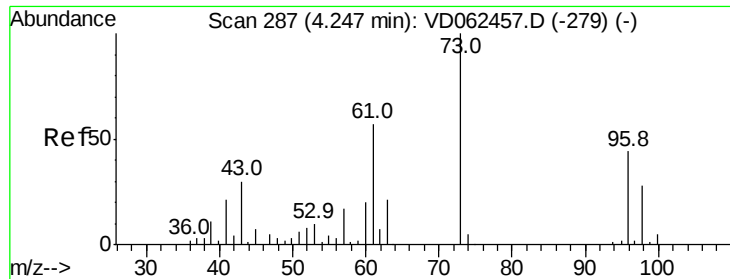
Tot Ion: 76 Resp: 176253
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 21.565 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion: 43 Resp: 27174
Ion Ratio Lower Upper
43 100
74 14.3 18.0 27.0#

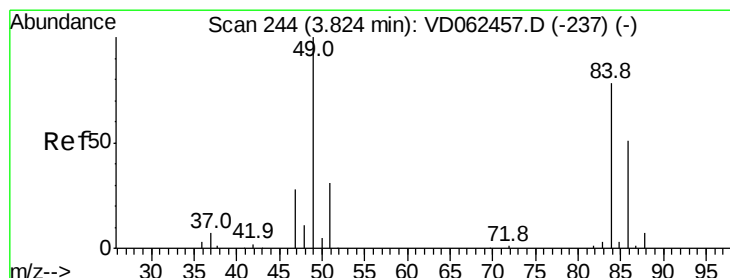
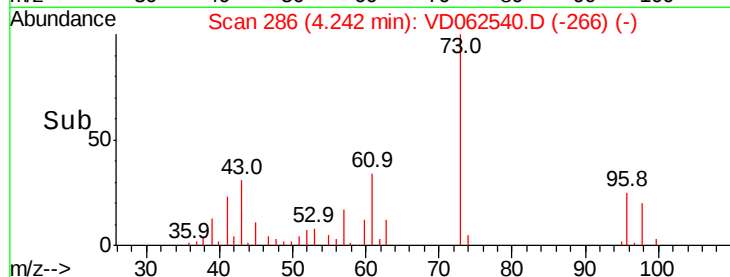
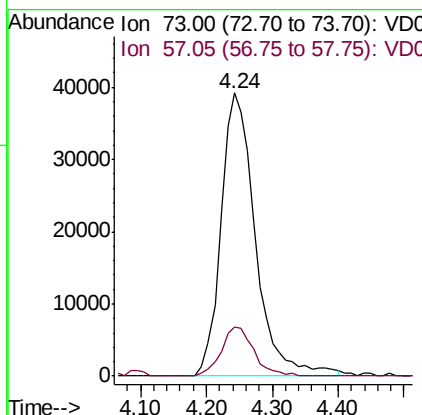
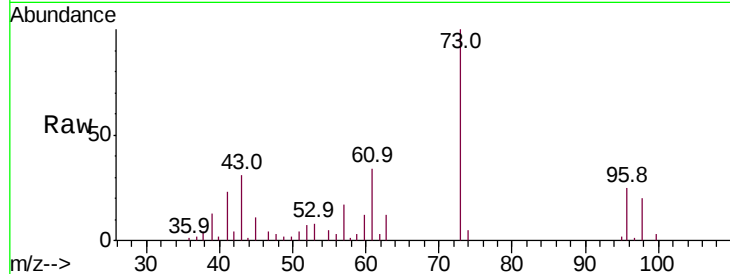




#19
Methvl tert-butvl Ether
Concen: 21.896 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

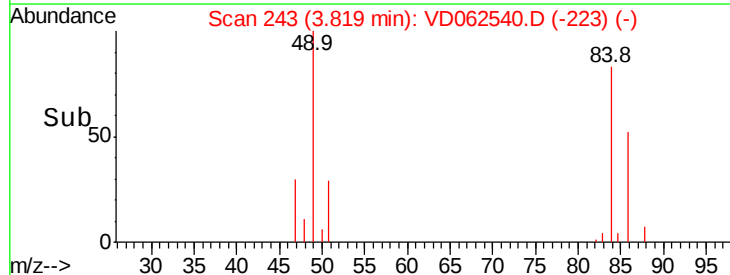
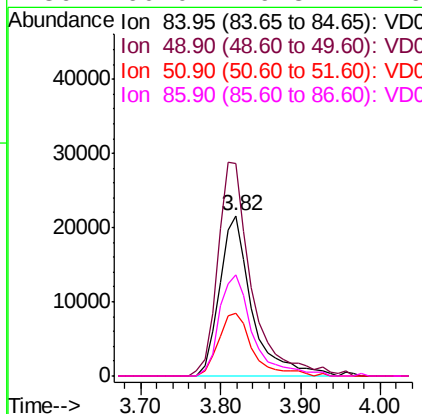
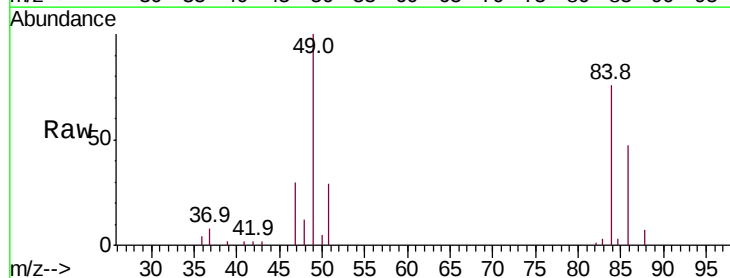
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

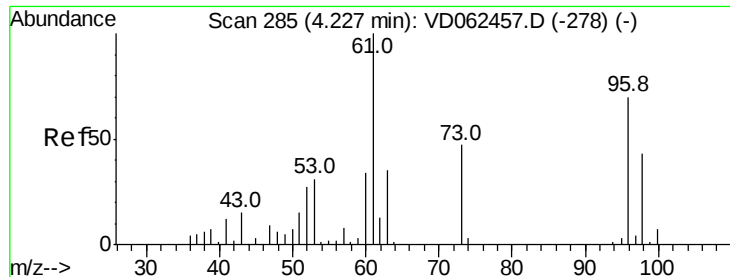
Tot Ion: 73 Resp: 142585
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5



#20
Methylene Chloride
Concen: 15.468 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion: 84 Resp: 61654
Ion Ratio Lower Upper
84 100
49 126.6 94.0 141.0
51 37.2 29.0 43.4
86 60.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.387 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

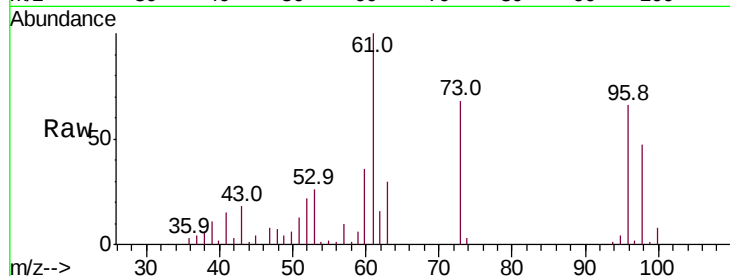
Tot Ion: 96 Resp: 63989

Ion Ratio Lower Upper

96 100

61 151.4 104.4 156.6

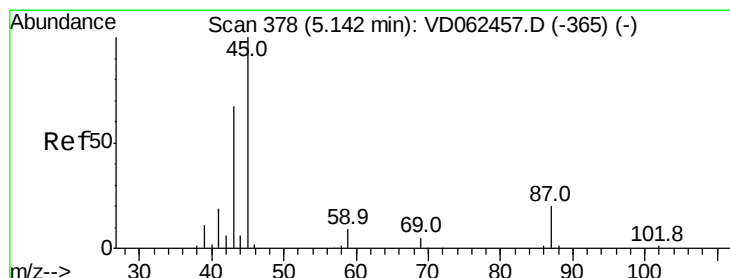
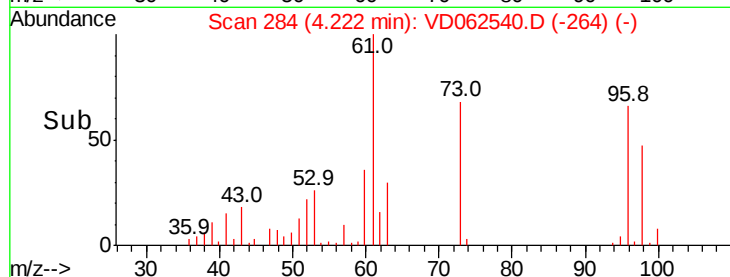
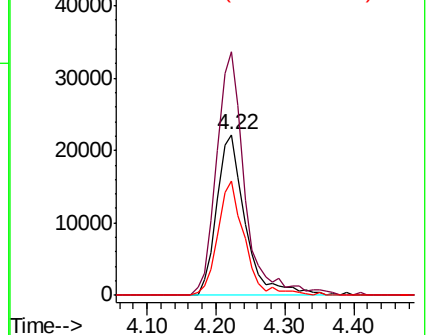
98 71.1 51.8 77.8



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: 19.199 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Tgt Ion: 45 Resp: 169882

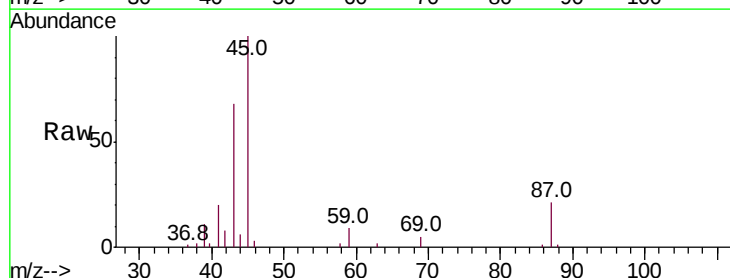
Ion Ratio Lower Upper

45 100

43 68.1 46.2 69.2

87 20.6 15.9 23.9

59 9.1 7.9 11.9

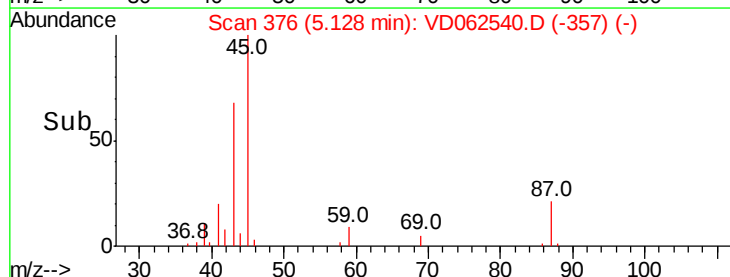
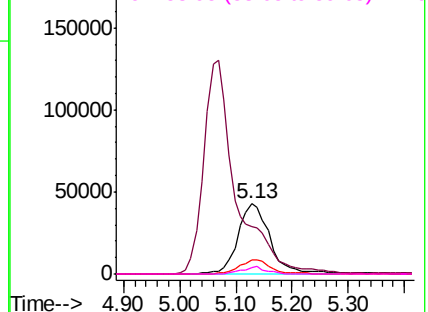


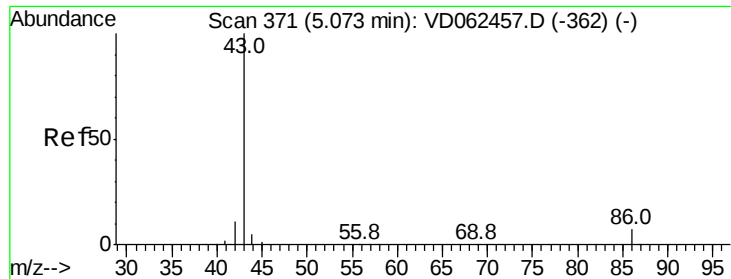
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 97.446 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleID :

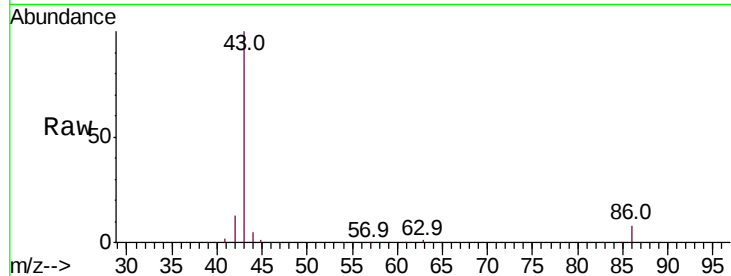
VD0528SBSD01

Tot Ion: 43 Resp: 521014

Ion Ratio Lower Upper

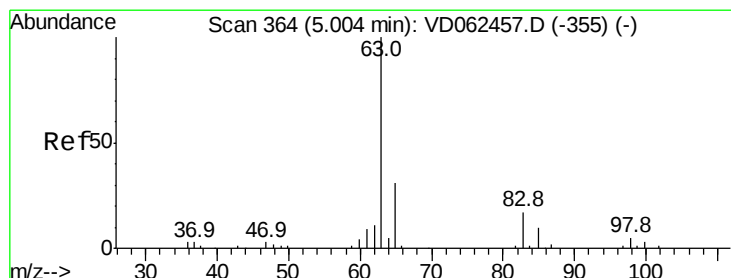
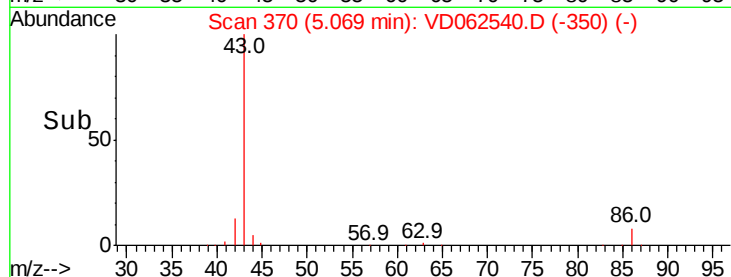
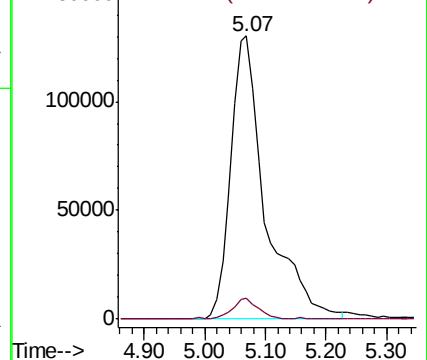
43 100

86 7.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.884 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

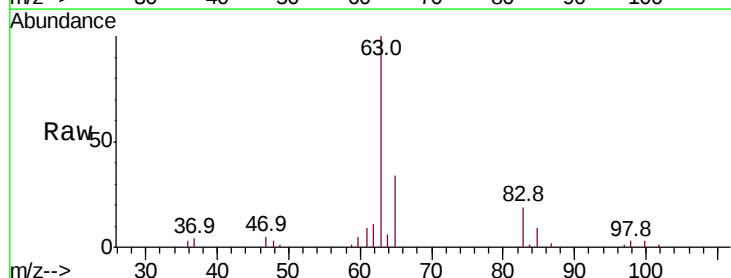
Tgt Ion: 63 Resp: 107616

Ion Ratio Lower Upper

63 100

98 3.4 2.8 8.4

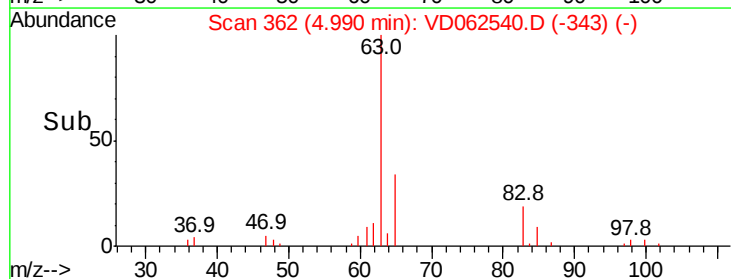
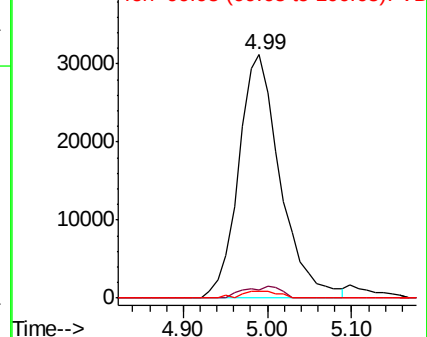
100 2.7 1.8 5.5

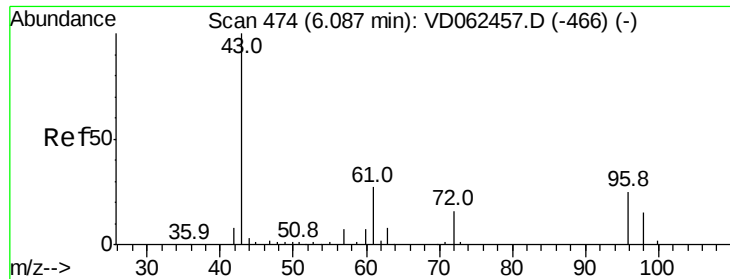


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.011 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

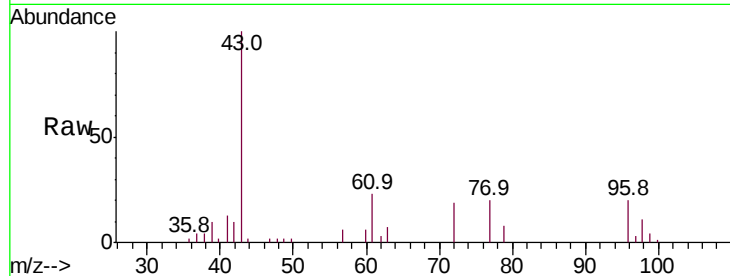
VD0528SBSD01

Tot Ion: 43 Resp: 74095

Ion Ratio Lower Upper

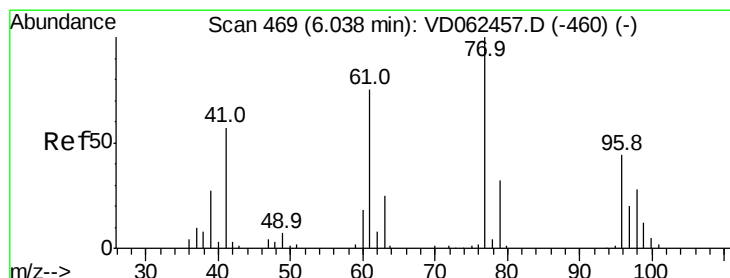
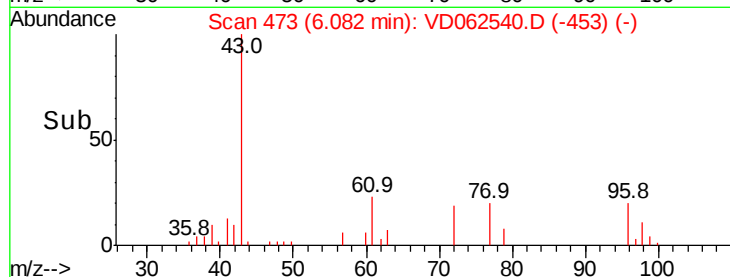
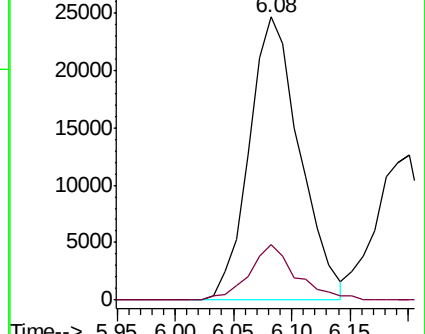
43 100

72 19.5 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: 23.431 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062540.D

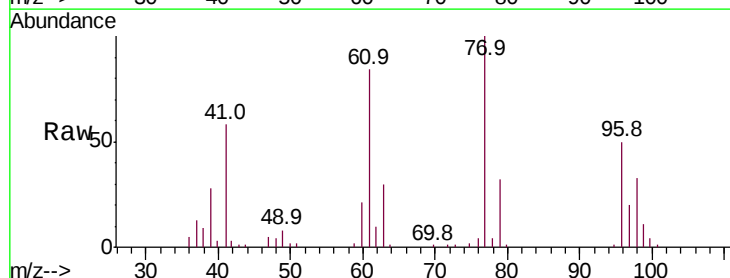
Acq: 28 May 2019 15:53

Tgt Ion: 77 Resp: 143934

Ion Ratio Lower Upper

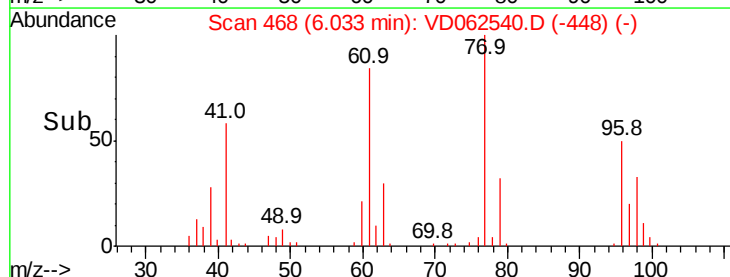
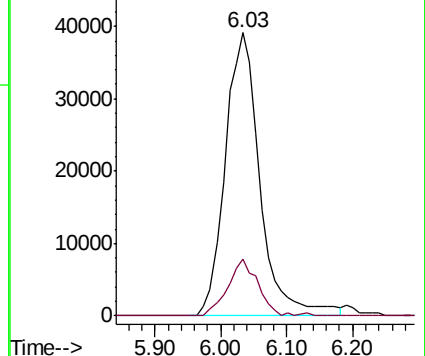
77 100

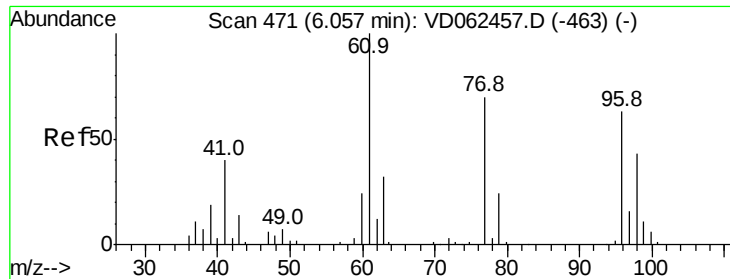
97 20.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



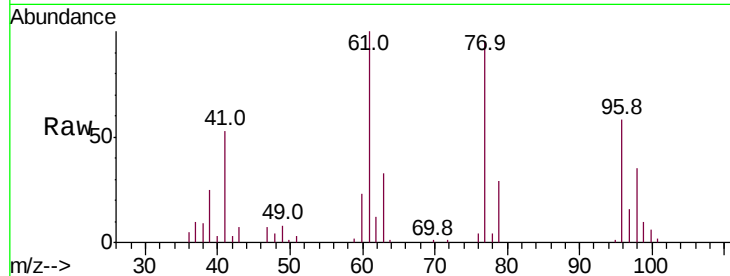


#27

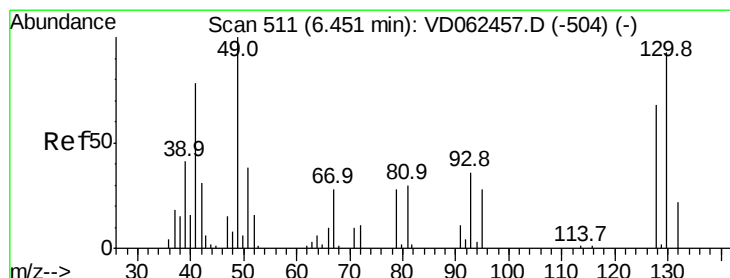
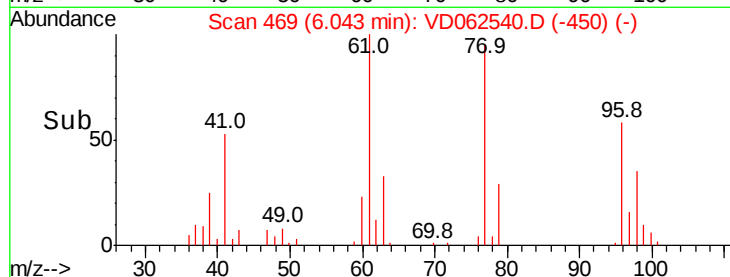
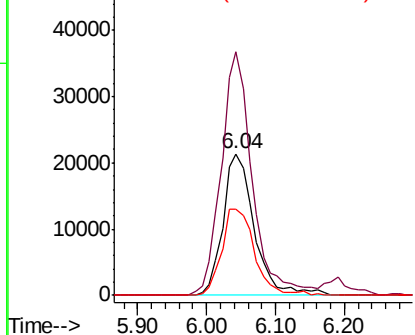
cis-1,2-Dichloroethene
 Concen: 18.913 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

Tot Ion: 96 Resp: 67311
 Ion Ratio Lower Upper
 96 100
 61 172.3 0.0 279.8
 98 60.8 0.0 136.0



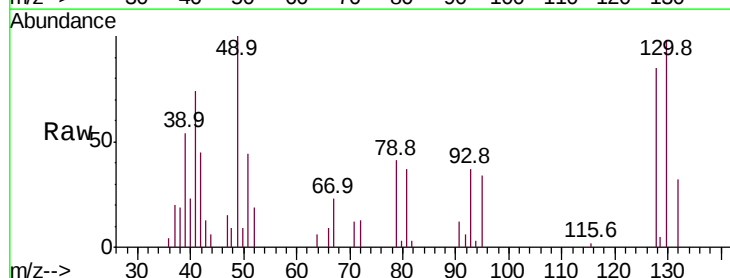
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



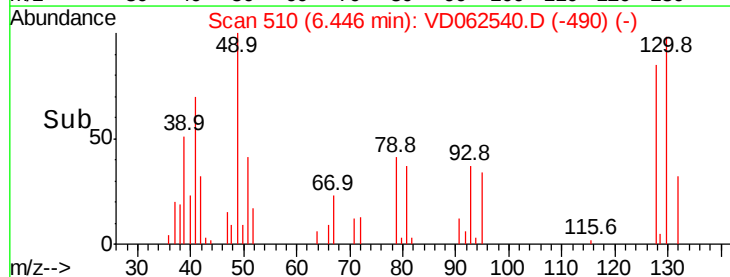
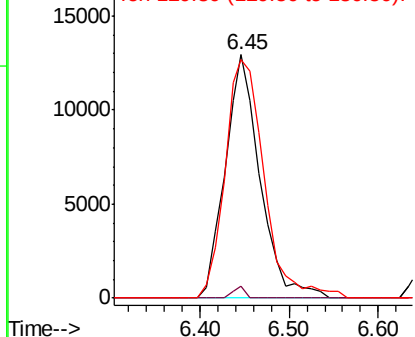
#28

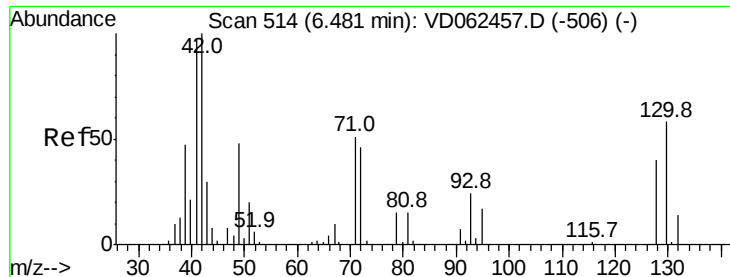
Bromochloromethane
 Concen: 17.263 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Tgt Ion: 49 Resp: 35308
 Ion Ratio Lower Upper
 49 100
 129 4.8 0.0 6.6
 130 97.9 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 93.702 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

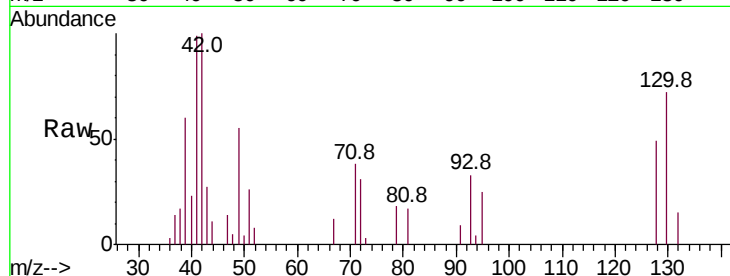
Tot Ion: 42 Resp: 34180

Ion Ratio Lower Upper

42 100

72 41.6 37.8 56.6

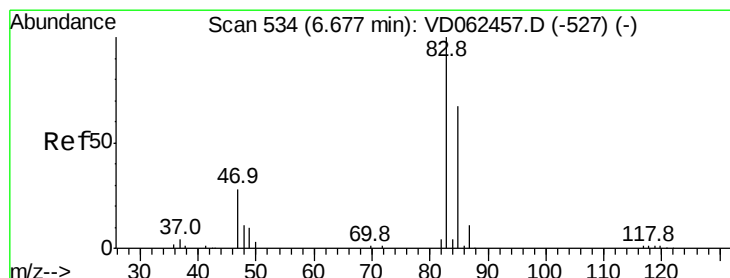
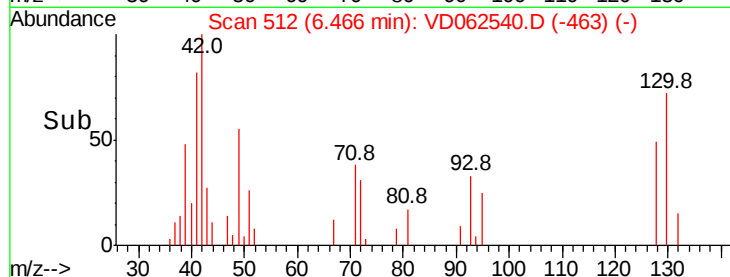
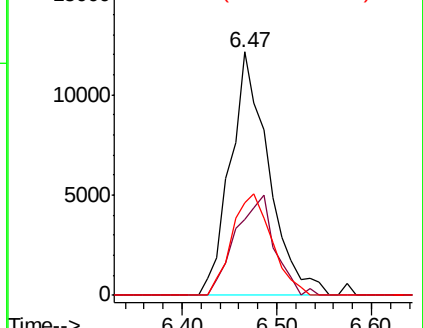
71 43.3 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.919 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062540.D

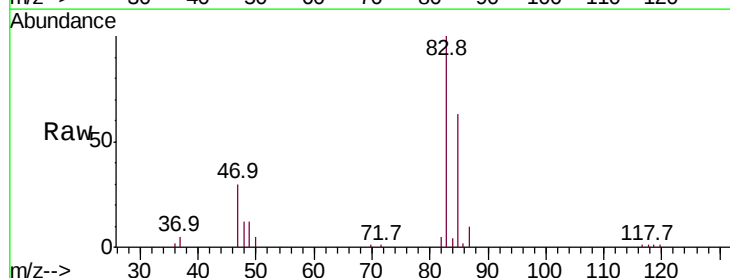
Acq: 28 May 2019 15:53

Tgt Ion: 83 Resp: 151984

Ion Ratio Lower Upper

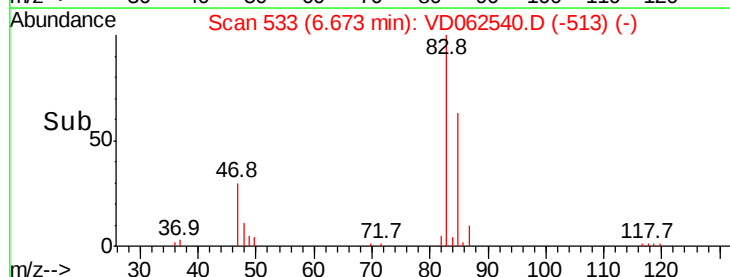
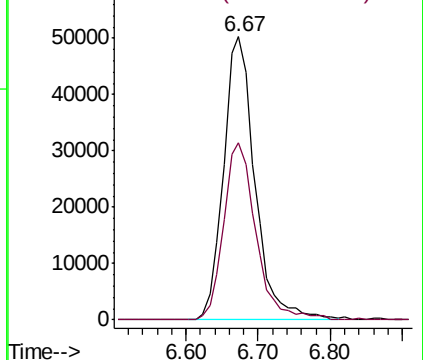
83 100

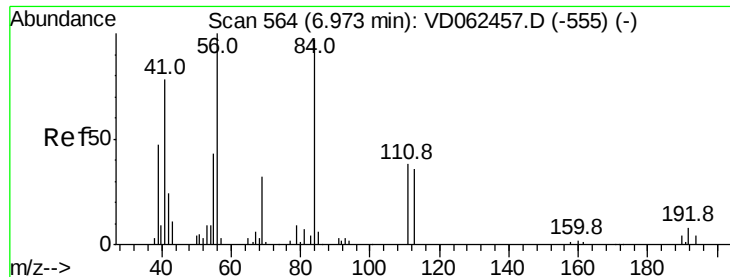
85 62.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

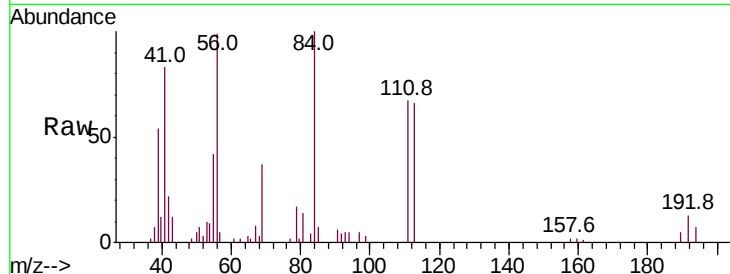




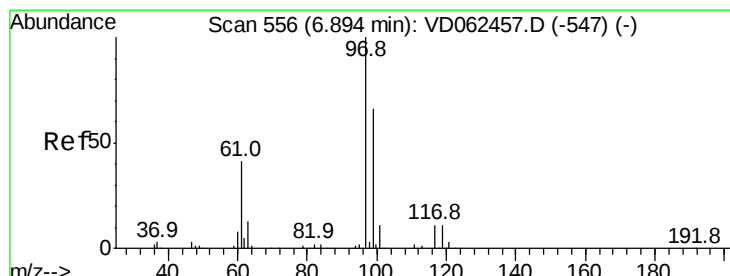
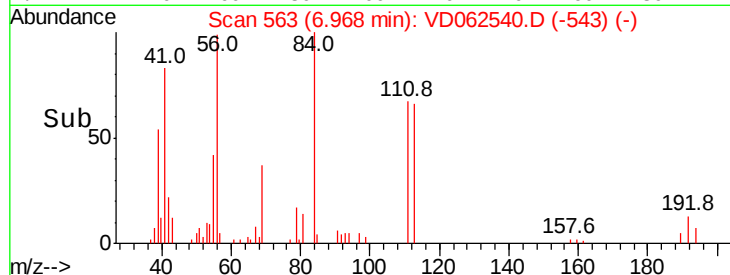
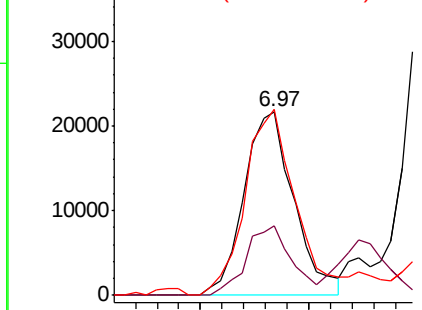
#31
Cyclohexane
Concen: 18.054 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

Tot Ion: 56 Resp: 69467
Ion Ratio Lower Upper
56 100
69 37.6 25.8 38.6
84 101.1 72.2 108.4

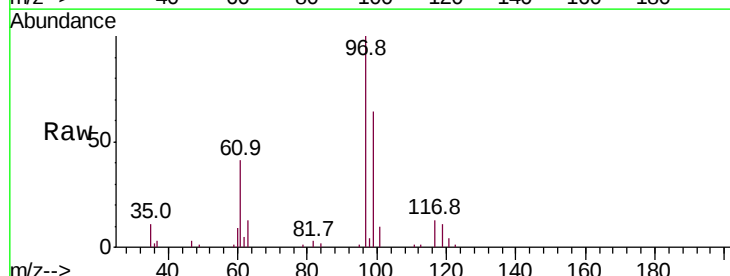


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

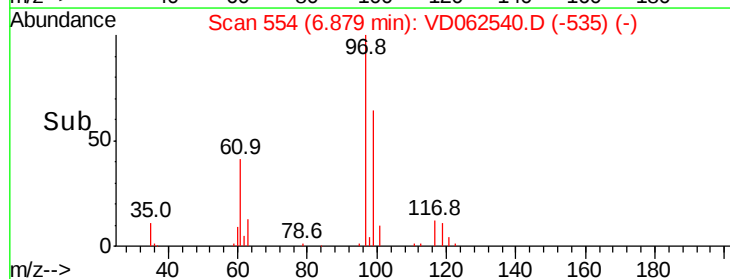
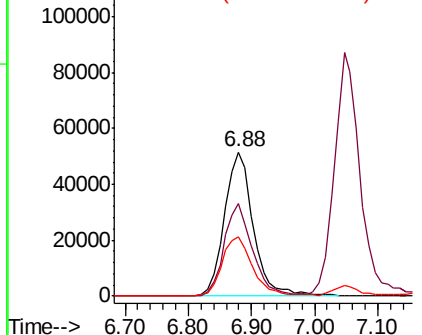


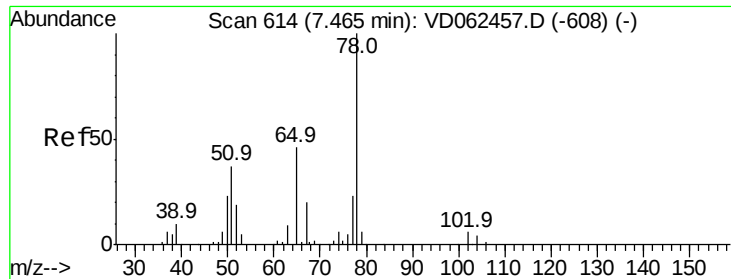
#32
1,1,1-Trichloroethane
Concen: 22.163 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion: 97 Resp: 162561
Ion Ratio Lower Upper
97 100
99 64.0 52.2 78.2
61 41.1 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 51.122 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

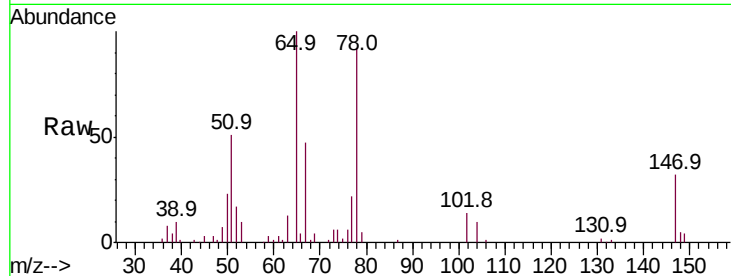
VD0528SBSD01

Tot Ion: 65 Resp: 208331

Ion Ratio Lower Upper

65 100

67 46.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

80000

60000

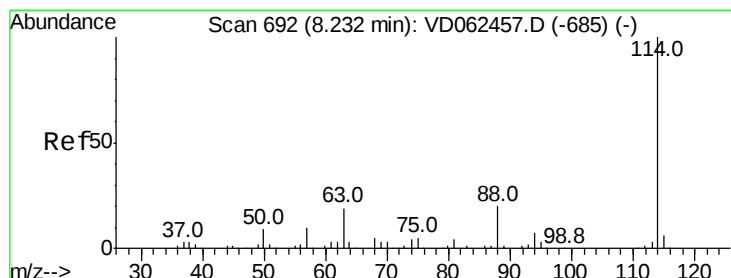
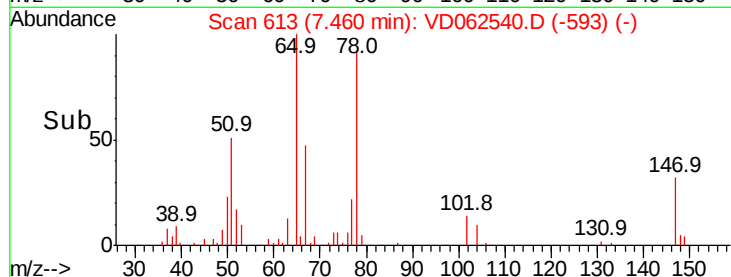
40000

20000

0

Time-->

7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

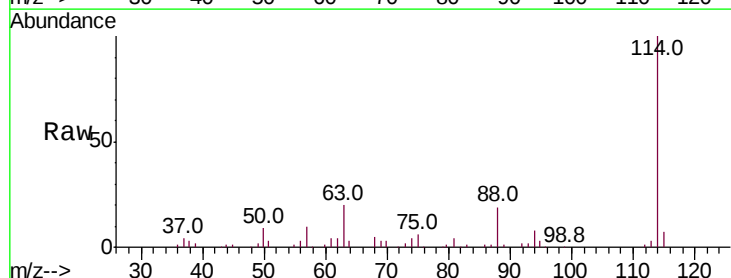
Tgt Ion:114 Resp: 480133

Ion Ratio Lower Upper

114 100

63 20.3 0.0 32.4

88 19.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

250000

200000

150000

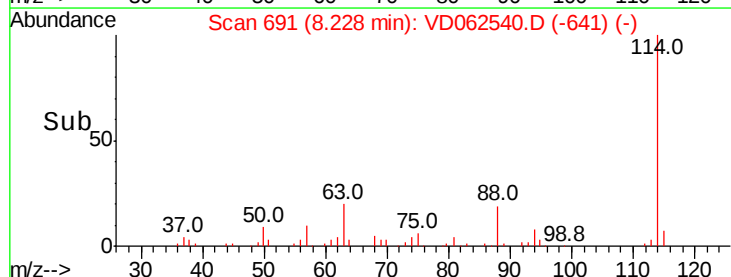
100000

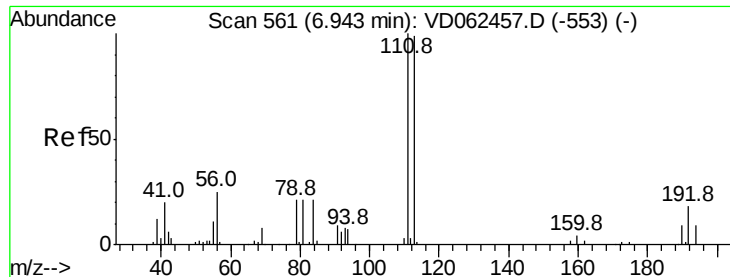
50000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 48.456 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

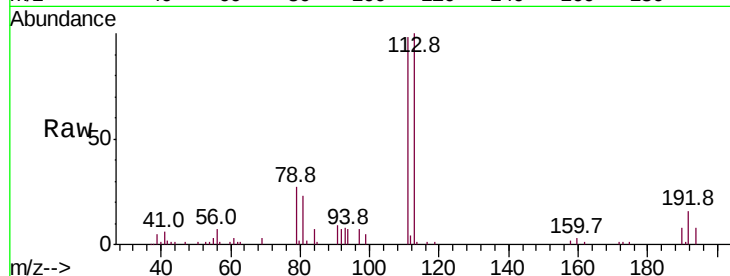
Tot Ion:113 Resp: 209882

Ion Ratio Lower Upper

113 100

111 98.2 78.5 117.7

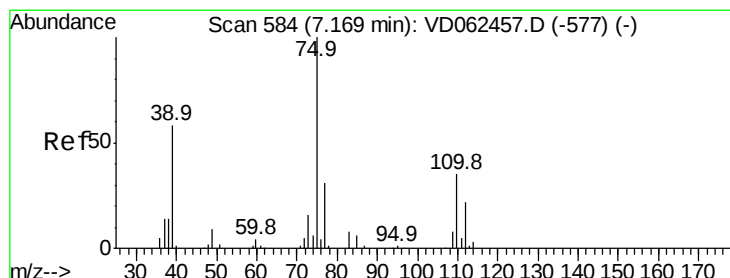
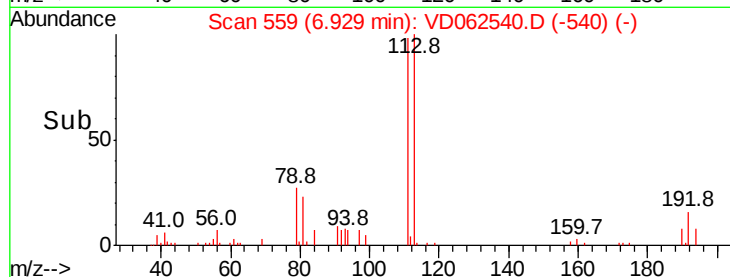
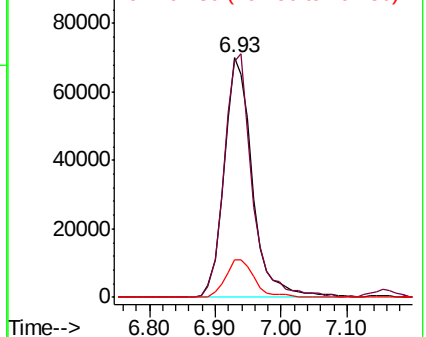
192 15.9 13.0 19.4



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: 21.552 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

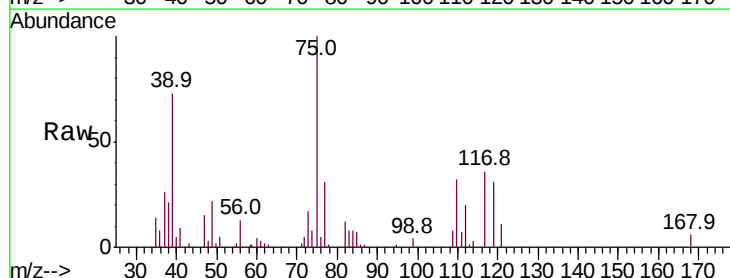
Tgt Ion: 75 Resp: 98931

Ion Ratio Lower Upper

75 100

110 32.4 19.1 57.1

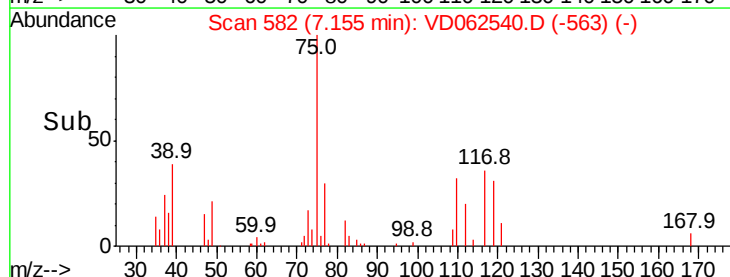
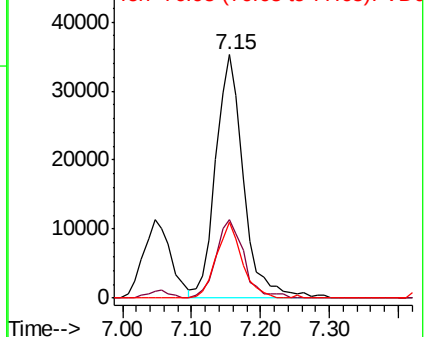
77 31.3 25.6 38.4

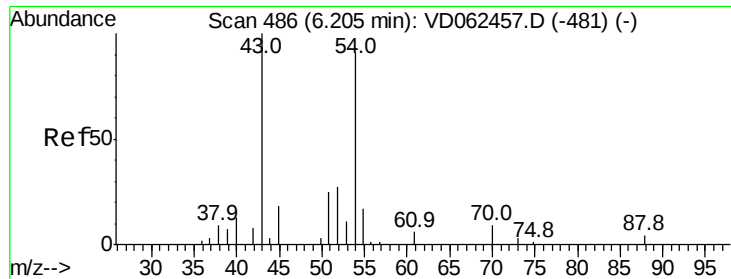


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

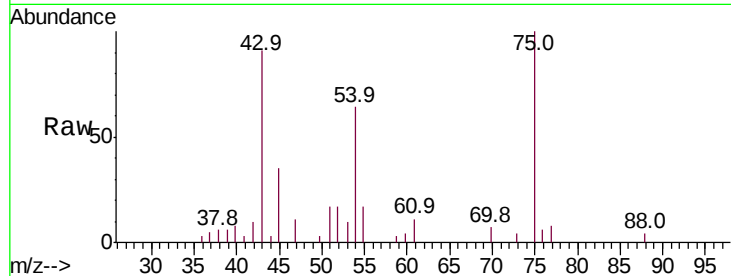




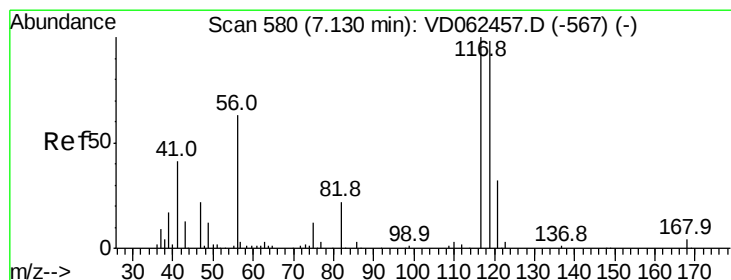
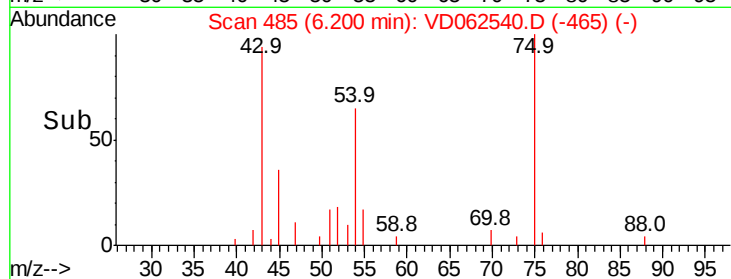
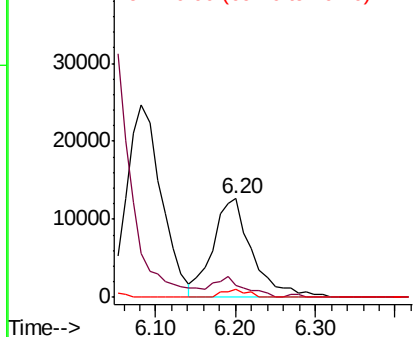
#37
Ethyl Acetate
Concen: 24.480 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBS01

Tot Ion: 43 Resp: 43655
Ion Ratio Lower Upper
43 100
61 11.6 14.7 22.1#
70 8.0 7.8 11.6

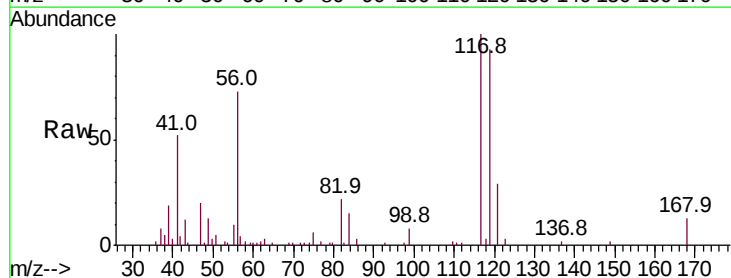


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

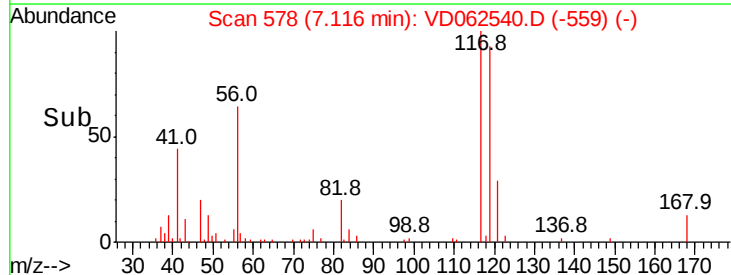
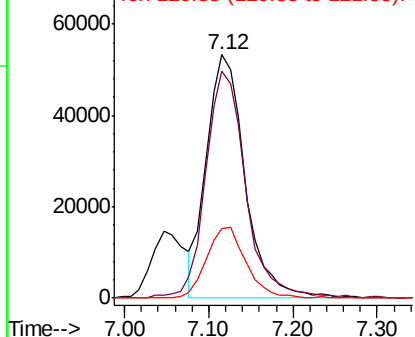


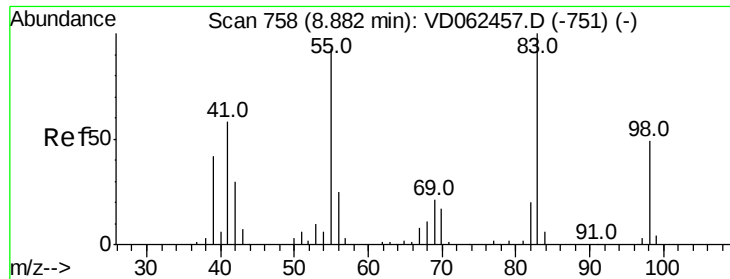
#38
Carbon Tetrachloride
Concen: 24.865 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion: 117 Resp: 169640
Ion Ratio Lower Upper
117 100
119 93.2 75.8 113.8
121 28.8 25.9 38.9



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

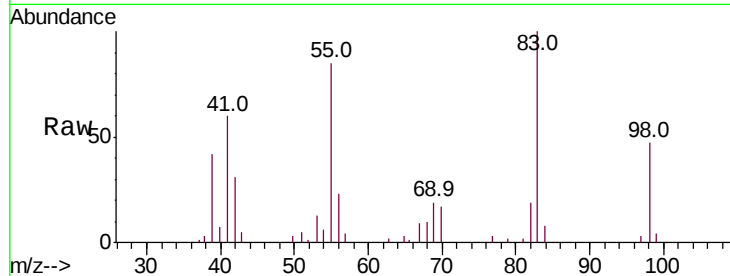




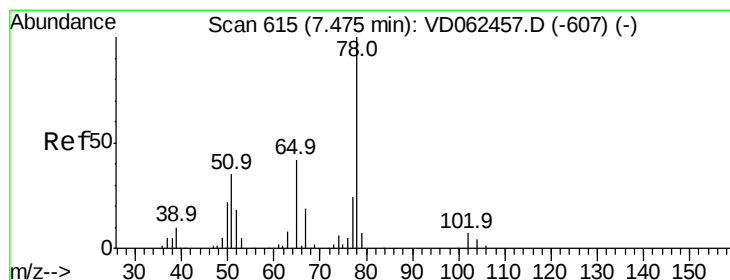
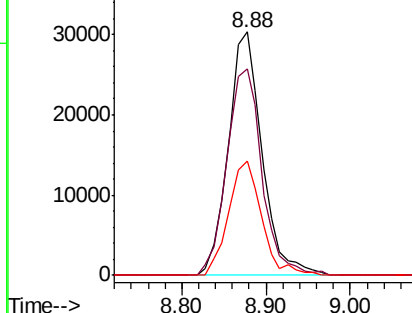
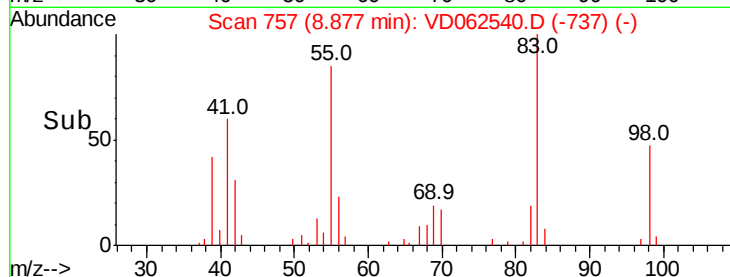
#39
Methvlcvclohexane
Concen: 22.406 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

Tot Ion: 83 Resp: 84833
Ion Ratio Lower Upper
83 100
55 85.0 68.2 102.4
98 47.2 38.2 57.4

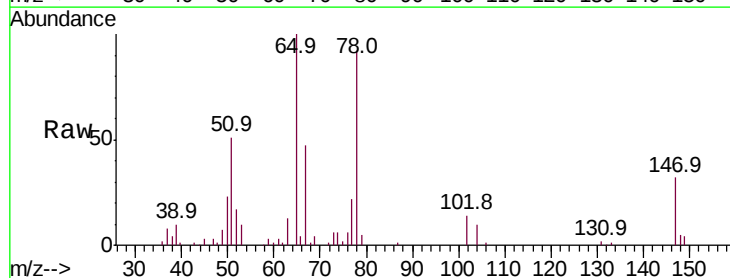


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

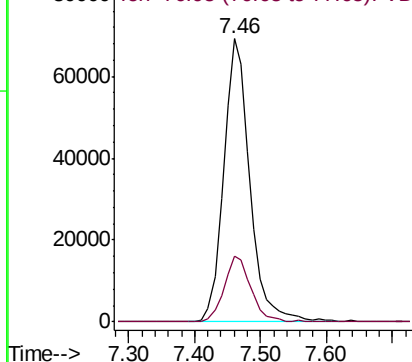
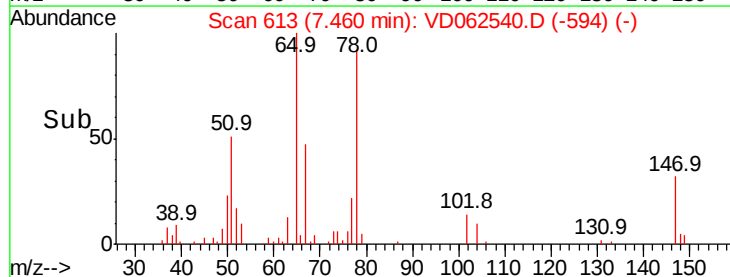


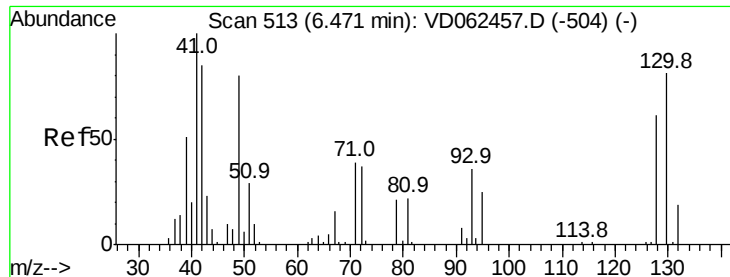
#40
Benzene
Concen: 21.295 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion: 78 Resp: 191744
Ion Ratio Lower Upper
78 100
77 23.4 19.7 29.5



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





#41

Methacrylonitrile

Concen: 21.718 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

Tot Ion: 41 Resp: 48642

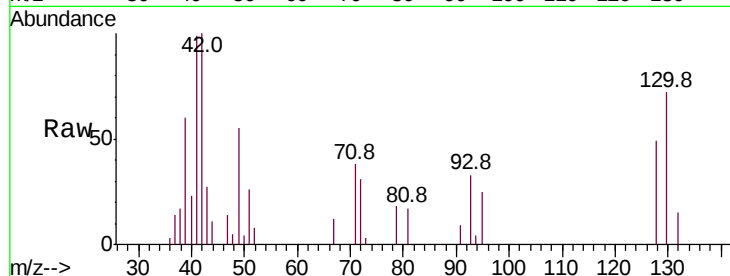
Ion Ratio Lower Upper

41 100

39 60.6 34.1 51.1#

67 12.5 23.8 35.6#

52 7.7 8.8 13.2#

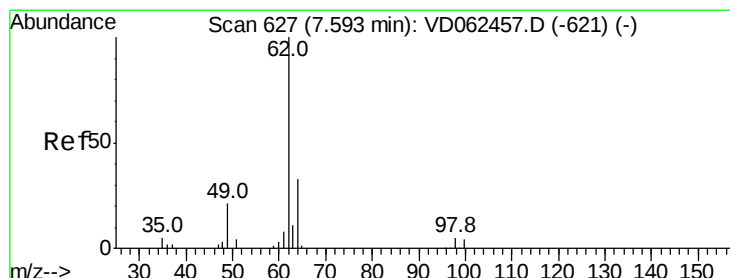
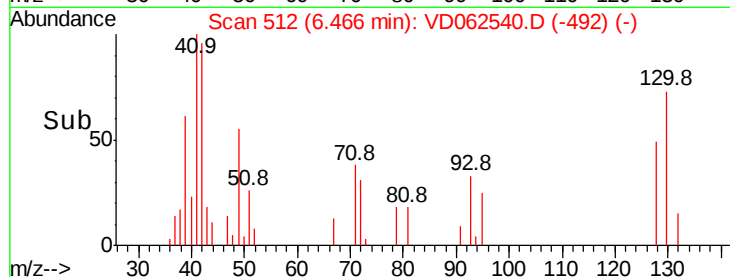
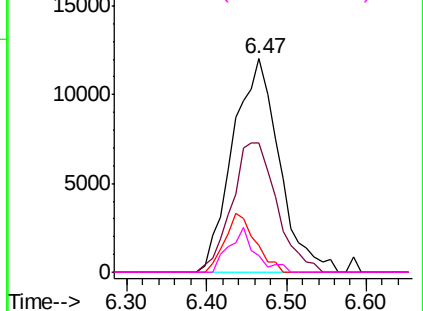


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 24.531 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD062540.D

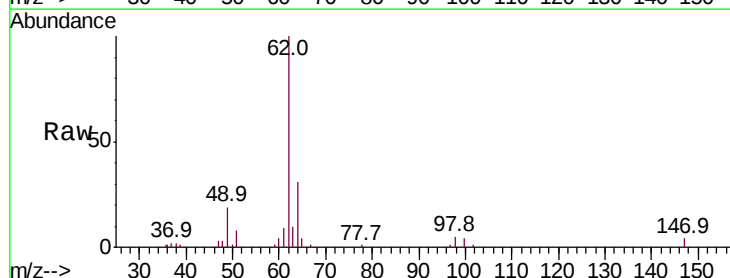
Acq: 28 May 2019 15:53

Tgt Ion: 62 Resp: 116962

Ion Ratio Lower Upper

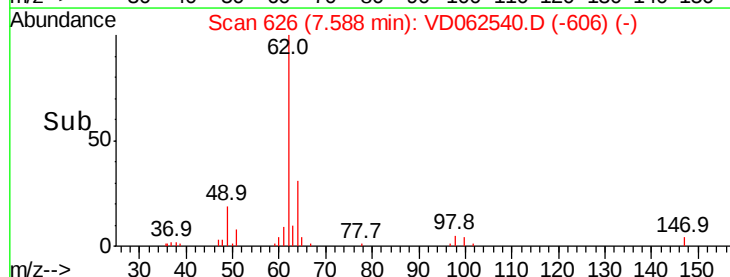
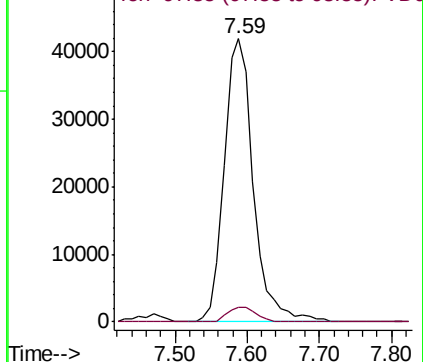
62 100

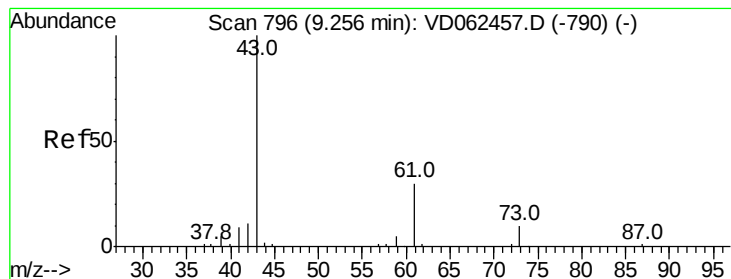
98 5.3 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.859 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

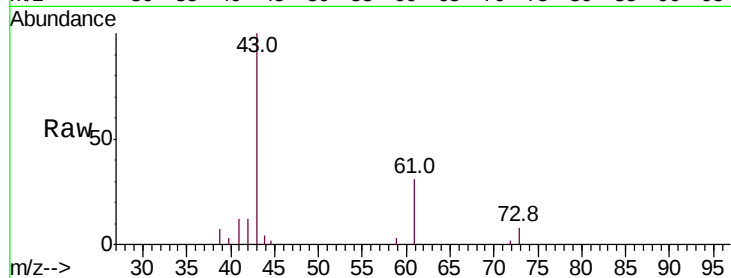
Tot Ion: 43 Resp: 49347

Ion Ratio Lower Upper

43 100

61 31.0 25.1 37.7

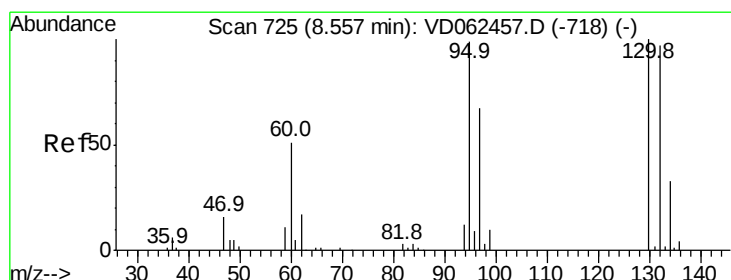
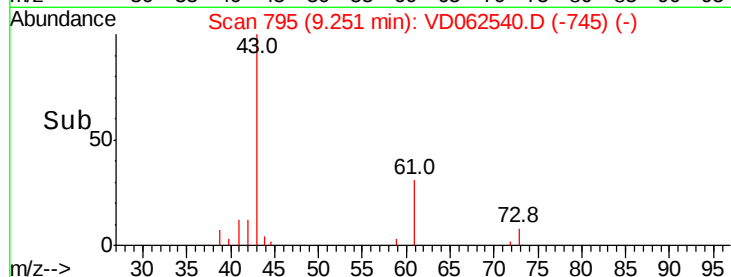
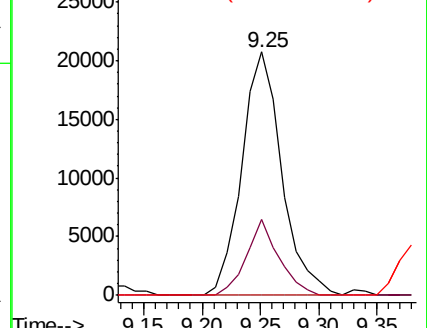
87 0.0 0.0 0.0



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: 21.155 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062540.D

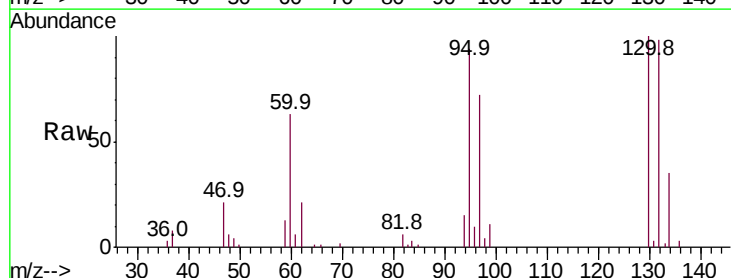
Acq: 28 May 2019 15:53

Tgt Ion: 130 Resp: 76268

Ion Ratio Lower Upper

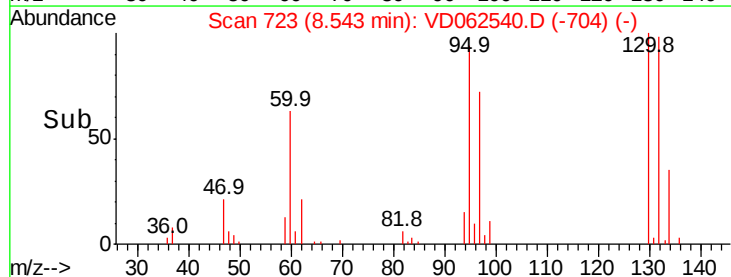
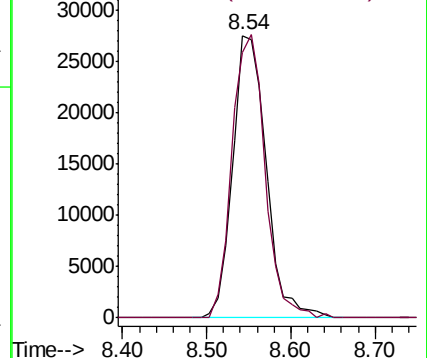
130 100

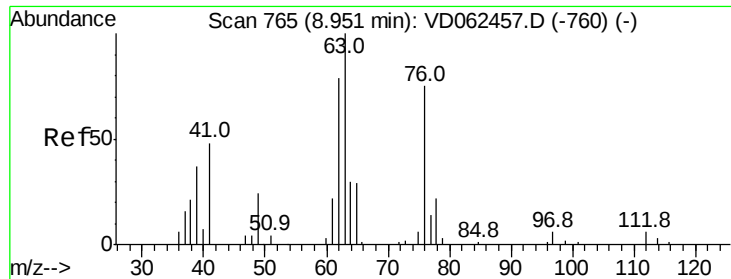
95 94.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.033 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

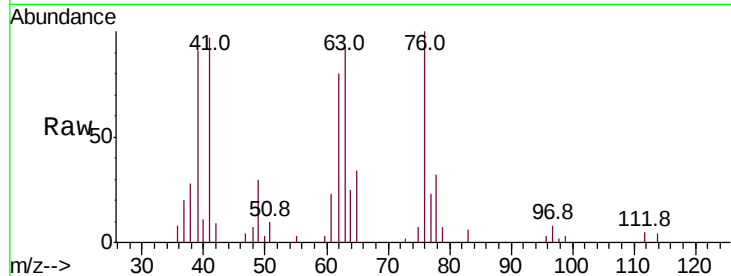
VD0528SBS01

Tot Ion: 63 Resp: 43959

Ion Ratio Lower Upper

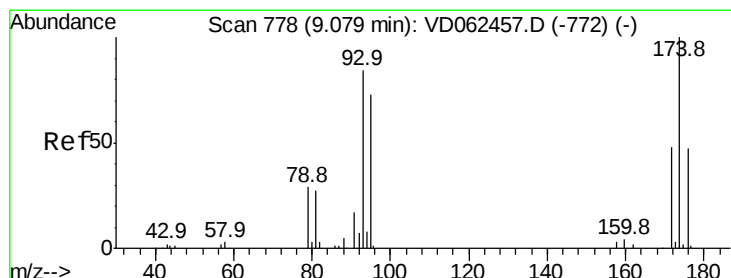
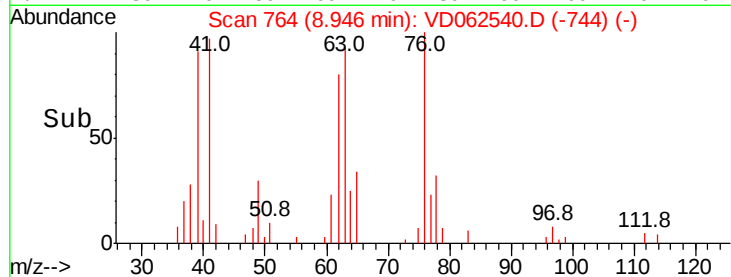
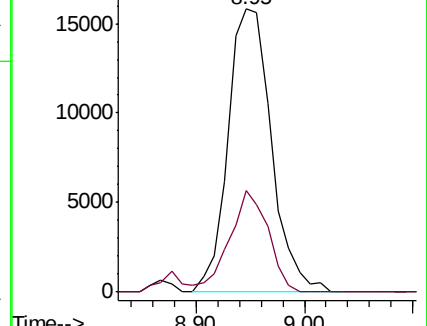
63 100

65 36.0 23.8 35.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.837 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

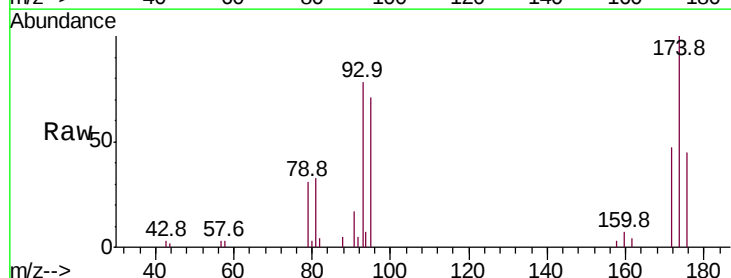
Tgt Ion: 93 Resp: 43434

Ion Ratio Lower Upper

93 100

95 91.9 64.8 97.2

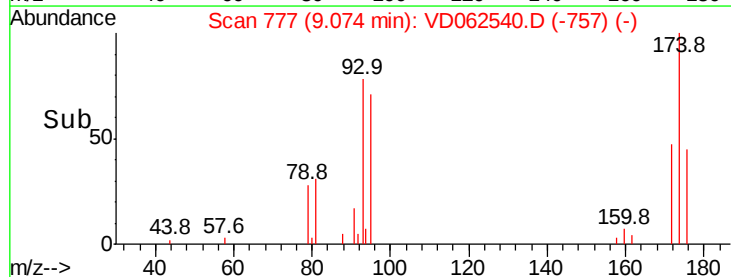
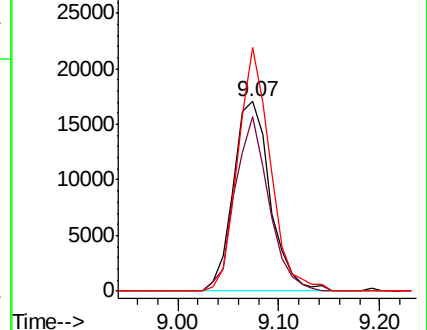
174 128.5 79.3 118.9#

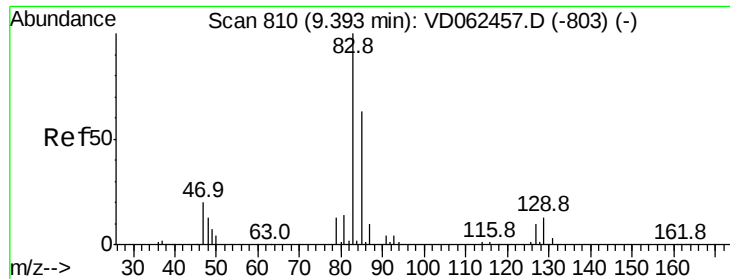


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.830 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

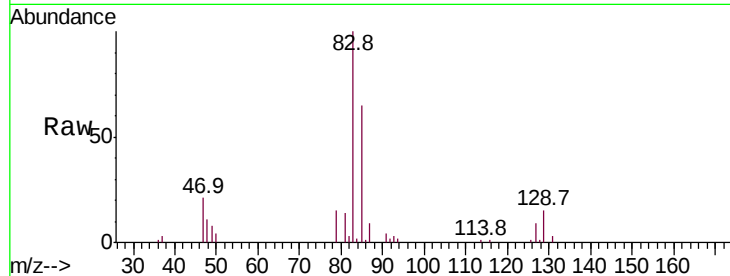
Tot Ion: 83 Resp: 120581

Ion Ratio Lower Upper

83 100

85 64.8 50.9 76.3

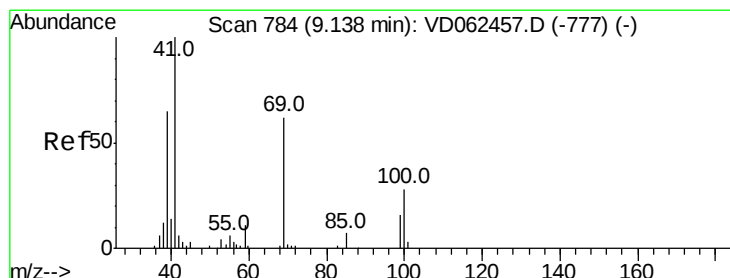
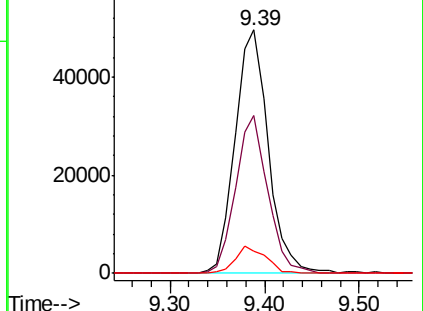
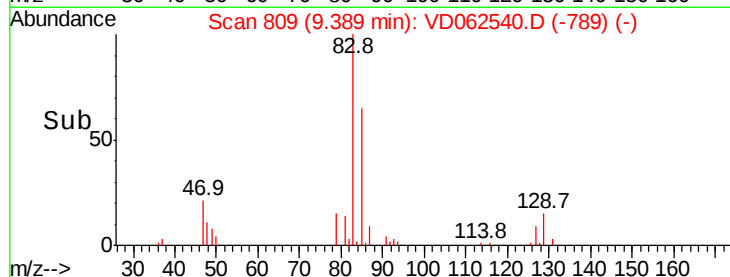
127 9.3 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.939 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

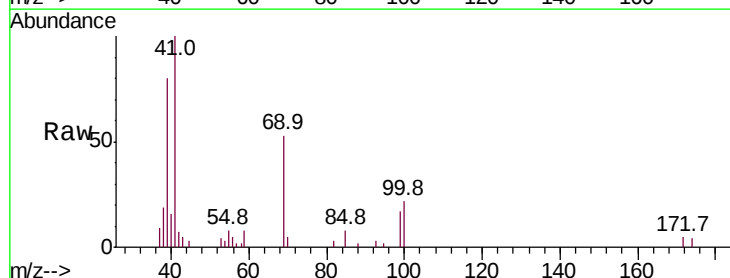
Tgt Ion: 41 Resp: 34927

Ion Ratio Lower Upper

41 100

69 53.2 64.2 96.2#

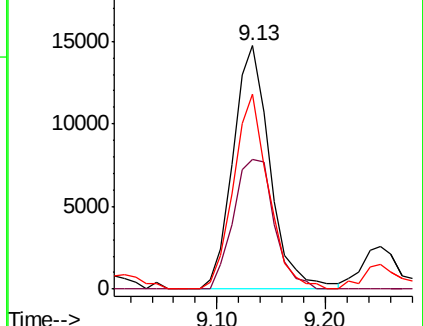
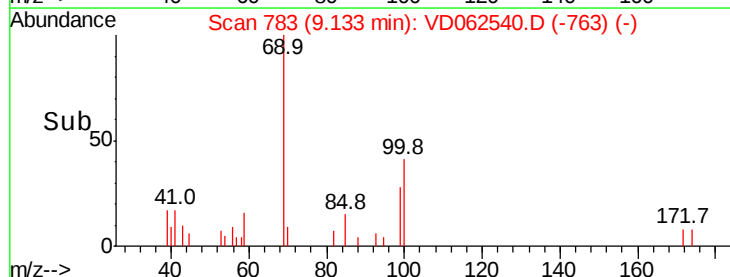
39 80.0 46.8 70.2#

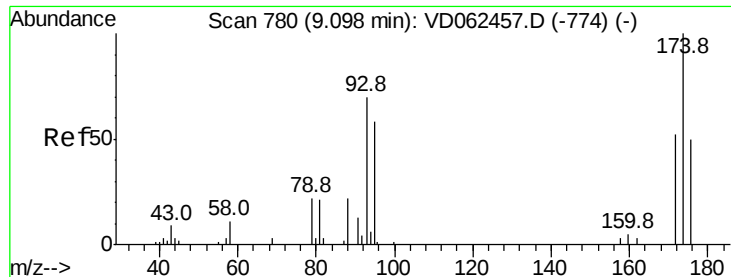


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

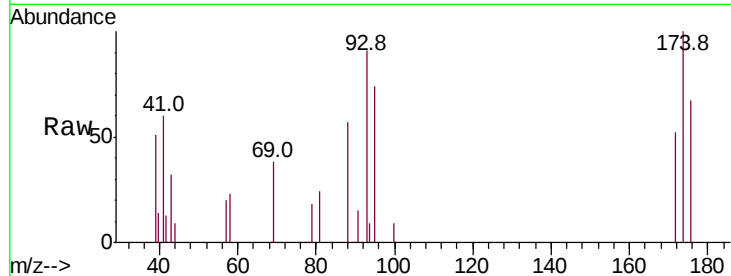




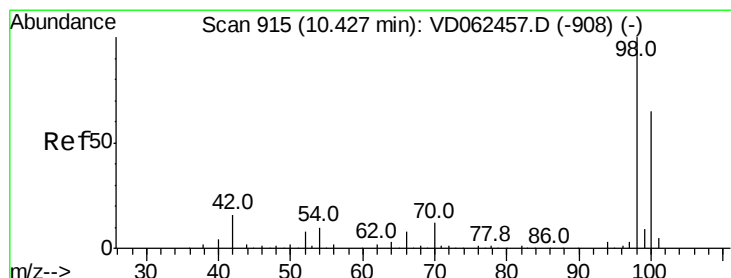
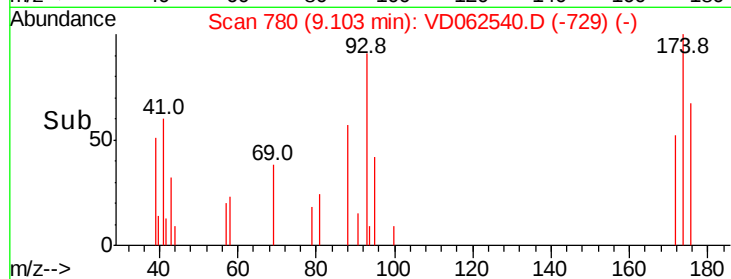
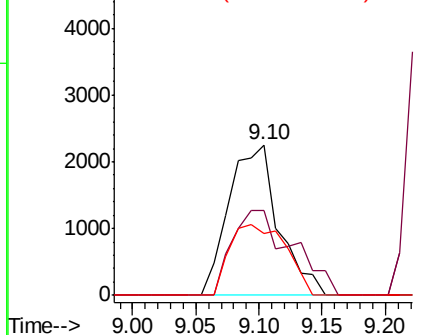
#49
1,4-Dioxane
Concen: 431.447 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

Tot Ion: 88 Resp: 6161
Ion Ratio Lower Upper
88 100
43 56.1 23.4 35.0#
58 40.6 44.0 66.0#

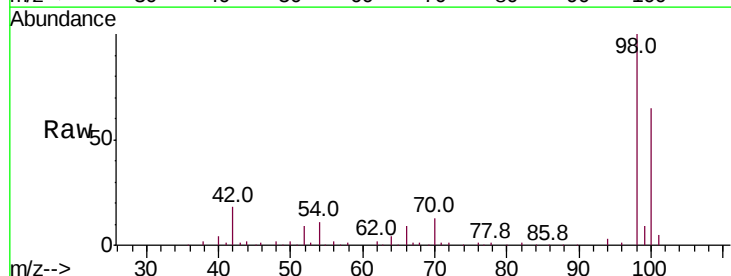


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

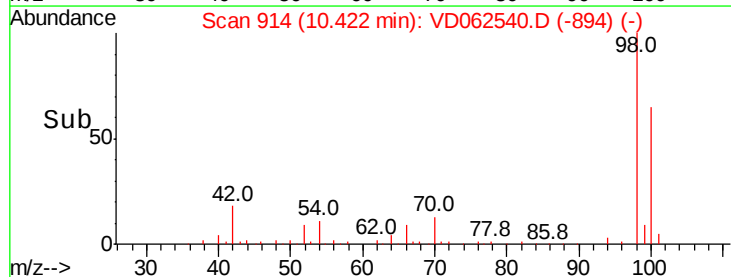
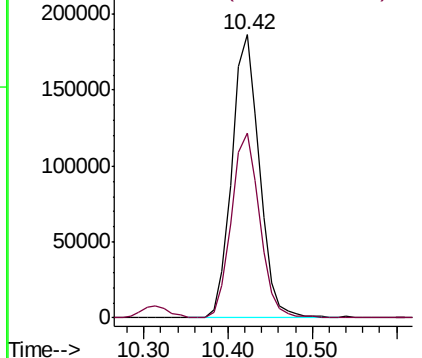


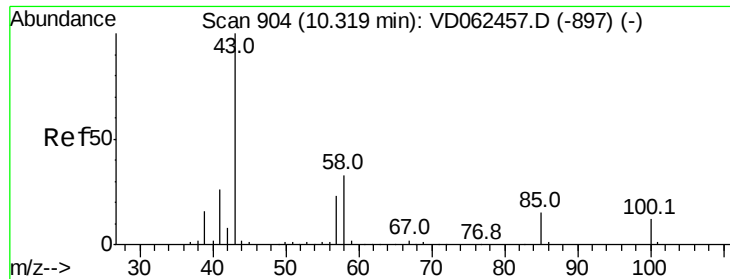
#50
Toluene-d8
Concen: 44.819 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion: 98 Resp: 424829
Ion Ratio Lower Upper
98 100
100 65.3 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: 110.737 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

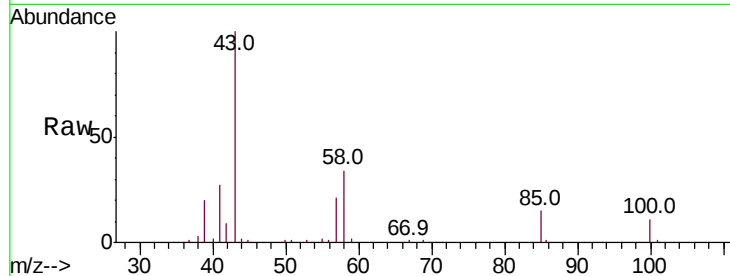
VD0528SBS01

Tot Ion: 43 Resp: 173066

Ion Ratio Lower Upper

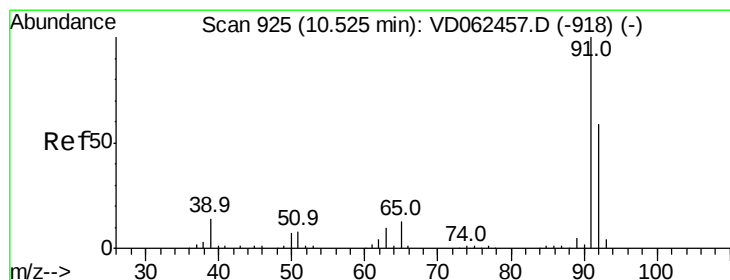
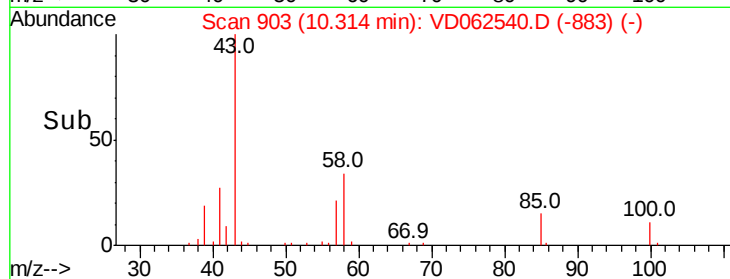
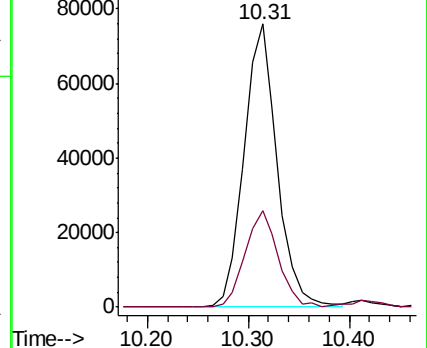
43 100

58 34.0 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: 19.532 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062540.D

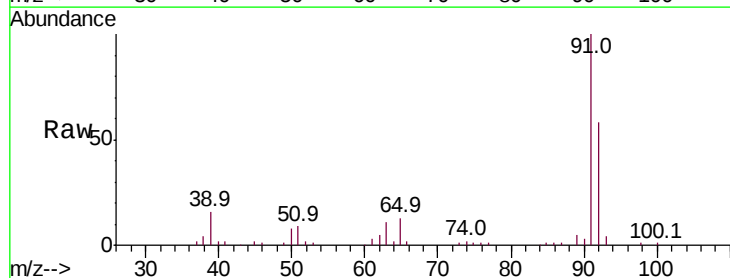
Acq: 28 May 2019 15:53

Tgt Ion: 92 Resp: 120399

Ion Ratio Lower Upper

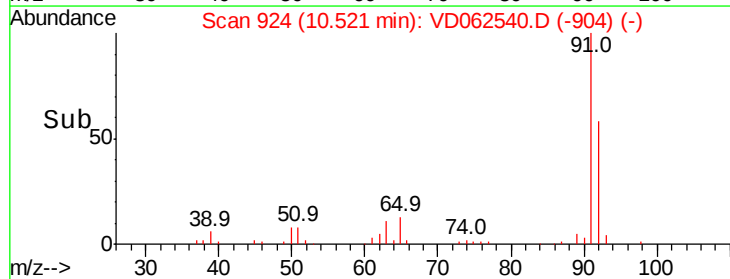
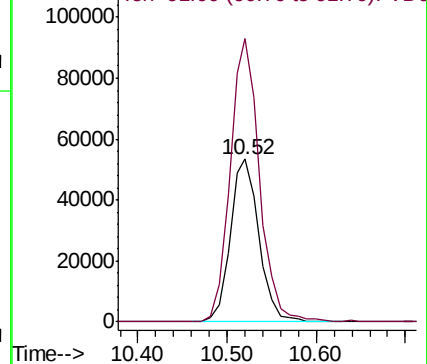
92 100

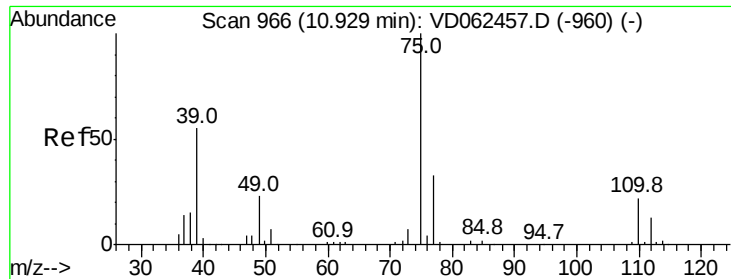
91 173.8 136.6 204.8



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: 23.656 ug/l

RT: 10.92 min Scan# 965

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

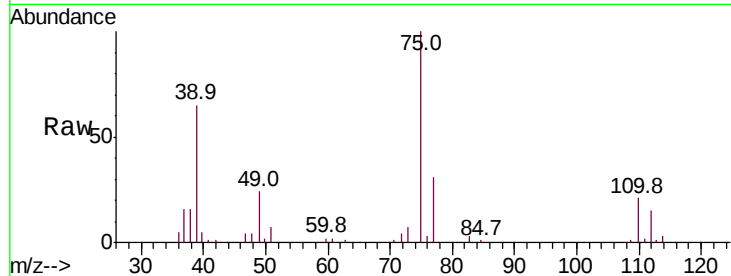
VD0528SBSD01

Tot Ion: 75 Resp: 99654

Ion Ratio Lower Upper

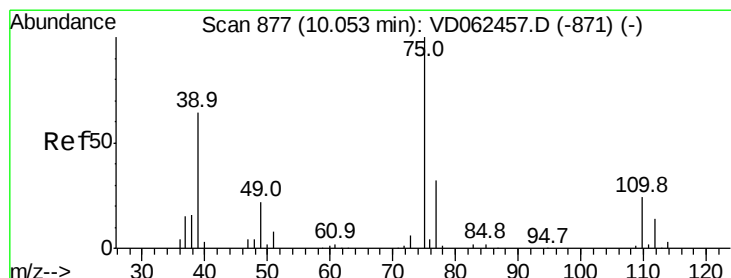
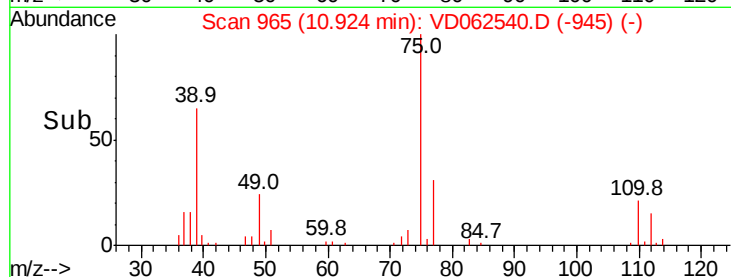
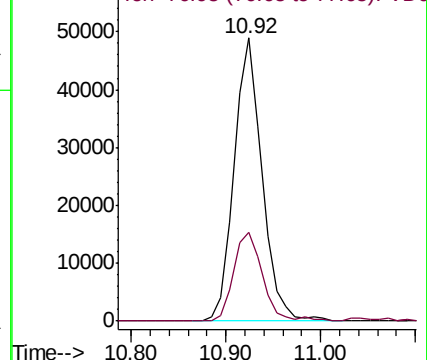
75 100

77 31.2 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: 22.297 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

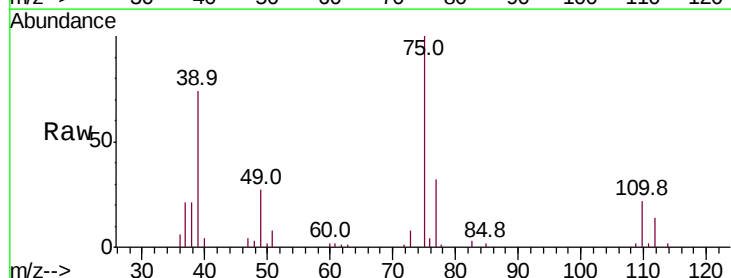
Tgt Ion: 75 Resp: 98011

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

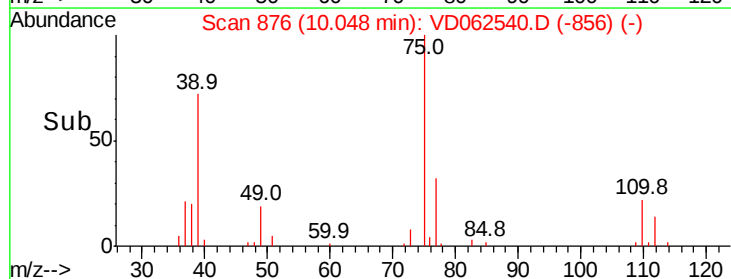
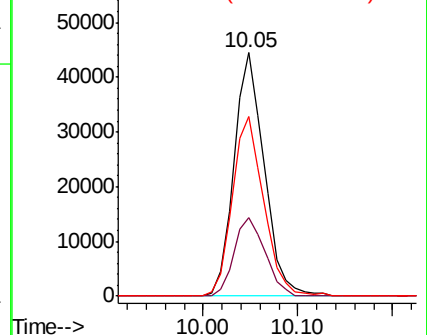
39 74.0 39.4 59.2#

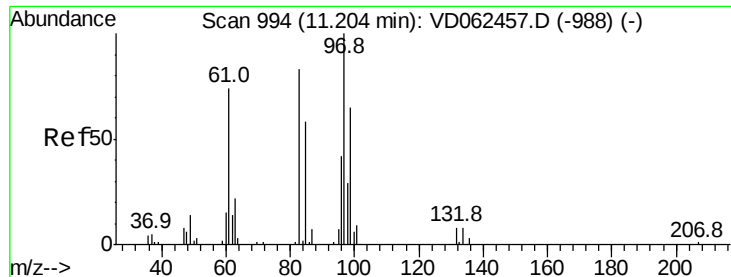


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.043 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

Tot Ion: 97 Resp: 43961

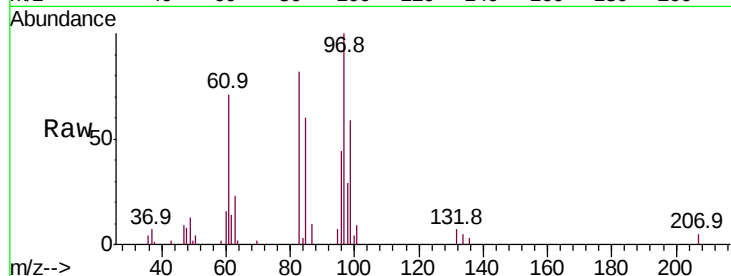
Ion Ratio Lower Upper

97 100

83 81.7 65.7 98.5

85 60.0 45.6 68.4

99 58.9 48.4 72.6

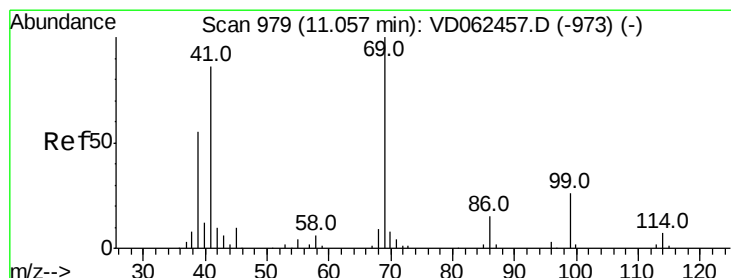
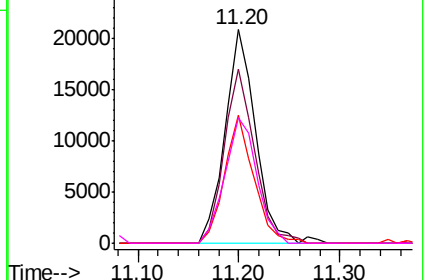
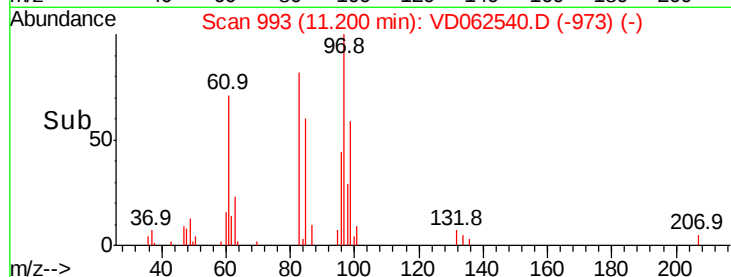


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.660 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

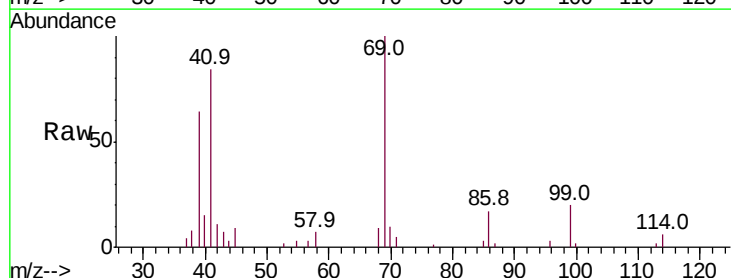
Tgt Ion: 69 Resp: 48375

Ion Ratio Lower Upper

69 100

41 84.5 56.3 84.5#

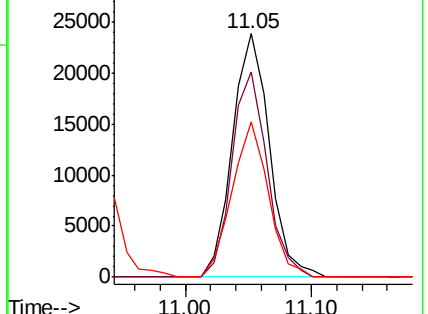
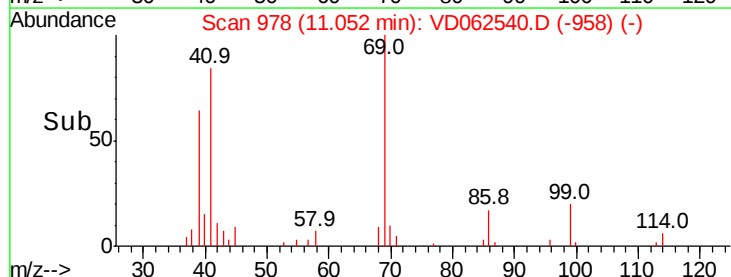
39 63.7 29.4 44.2#

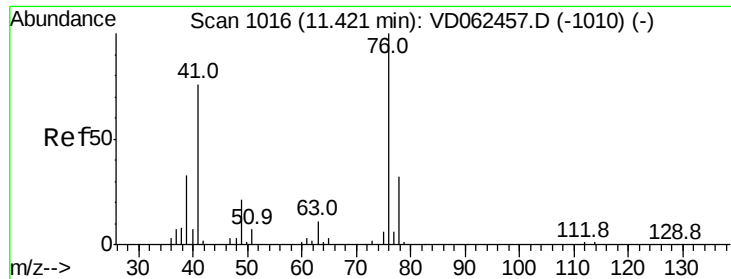


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.482 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

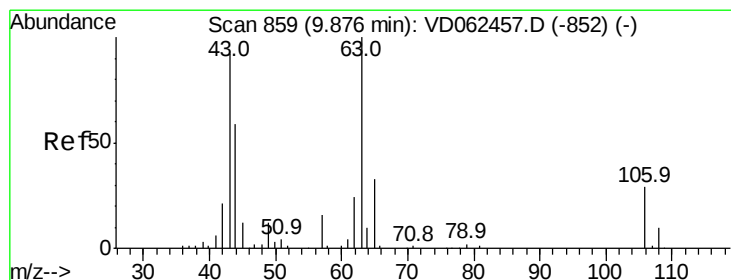
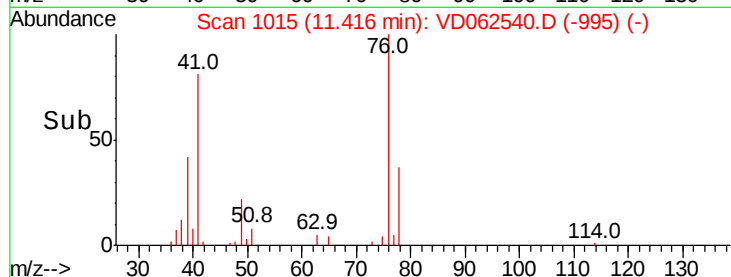
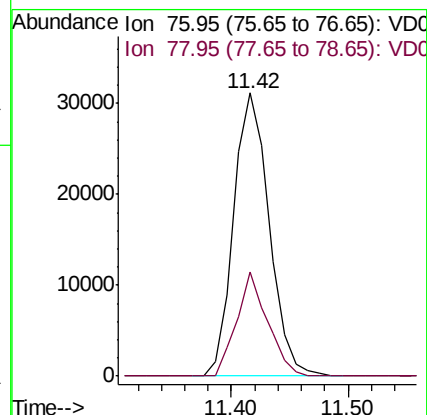
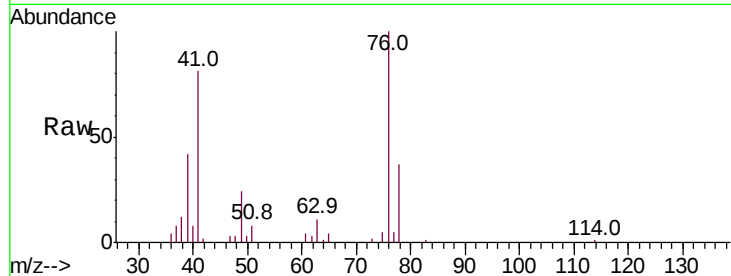
VD0528SBS01

Tot Ion: 76 Resp: 65622

Ion Ratio Lower Upper

76 100

78 36.6 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 109.507 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062540.D

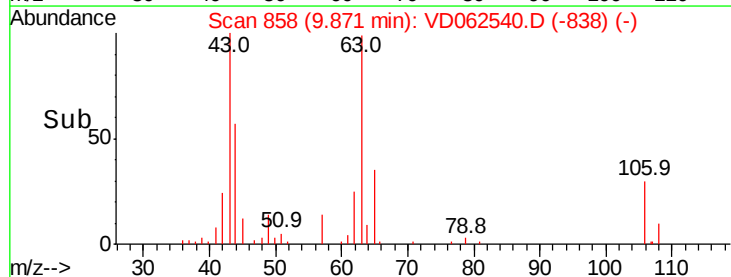
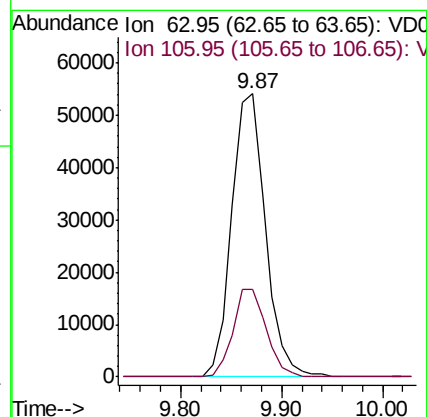
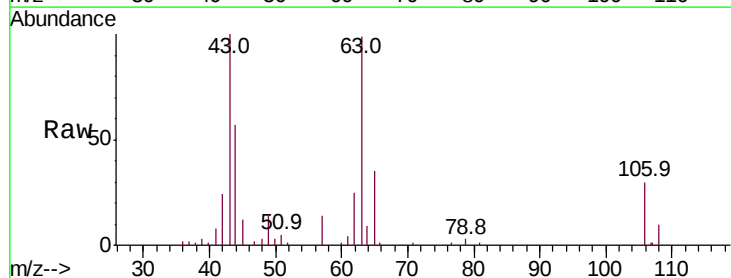
Acq: 28 May 2019 15:53

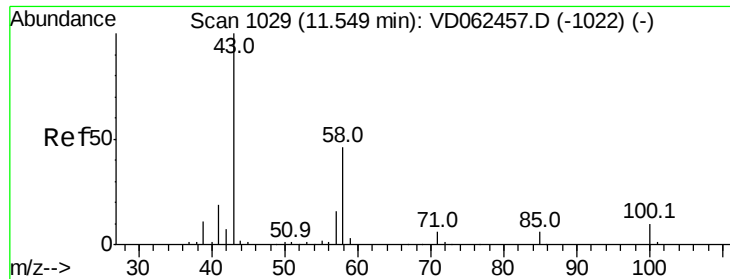
Tgt Ion: 63 Resp: 125582

Ion Ratio Lower Upper

63 100

106 30.8 22.6 34.0

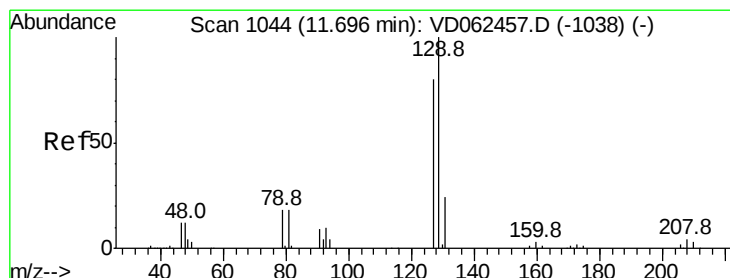
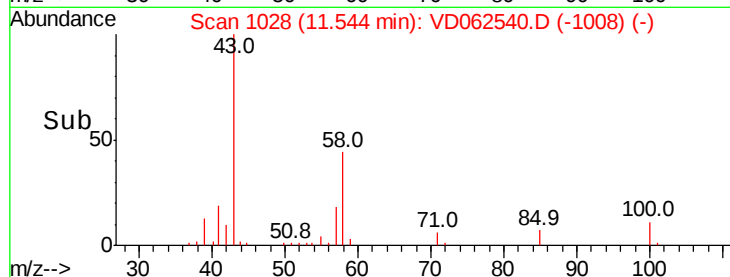
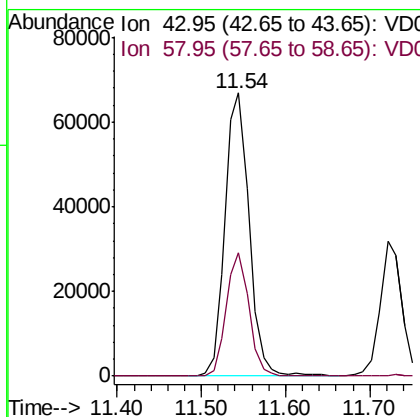
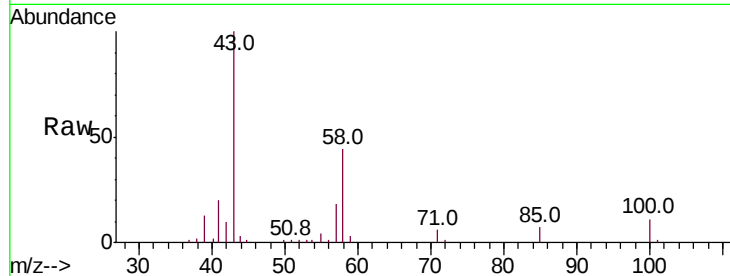




#59
2-Hexanone
Concen: 117.098 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

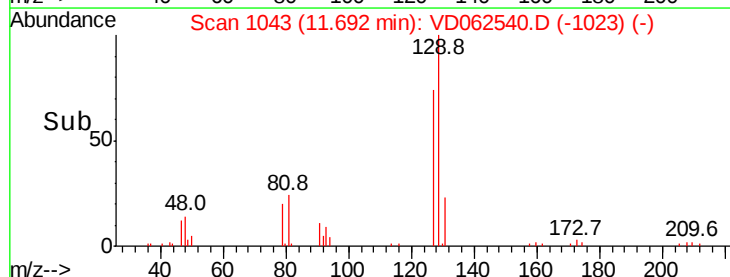
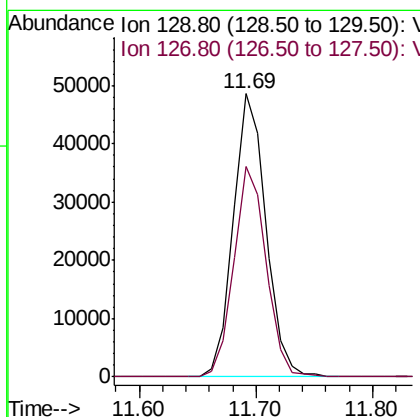
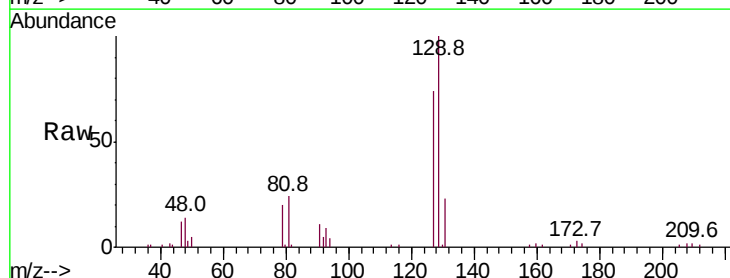
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

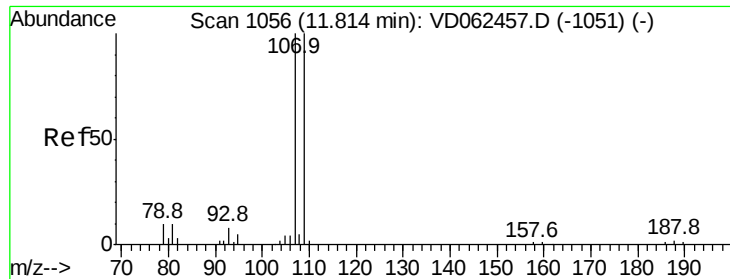
Tot Ion: 43 Resp: 133005
Ion Ratio Lower Upper
43 100
58 43.7 25.4 76.4



#60
Dibromochloromethane
Concen: 23.419 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion: 129 Resp: 93969
Ion Ratio Lower Upper
129 100
127 74.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 22.084 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

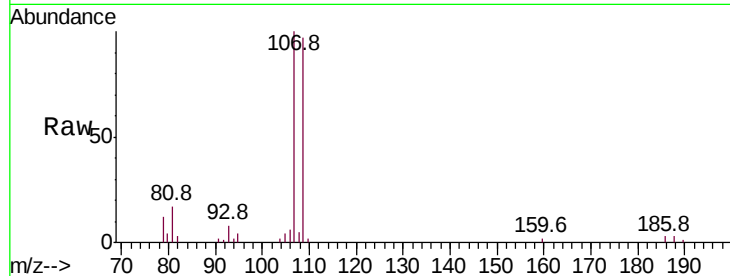
VD0528SBSD01

Tot Ion:107 Resp: 56857

Ion Ratio Lower Upper

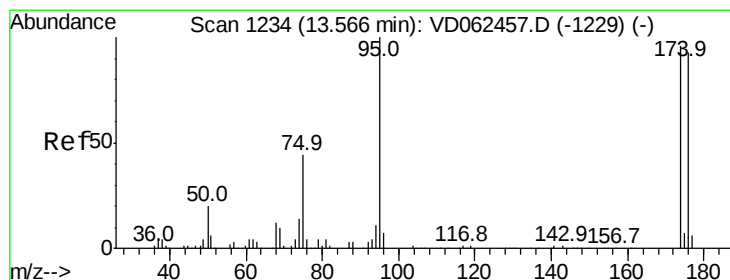
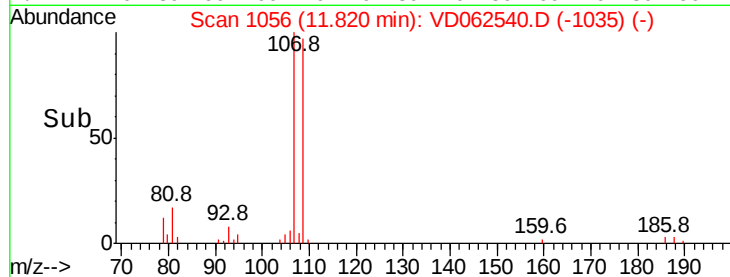
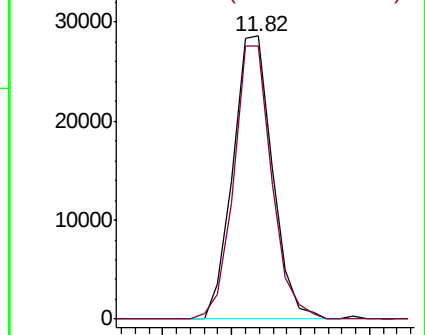
107 100

109 96.5 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: 50.369 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

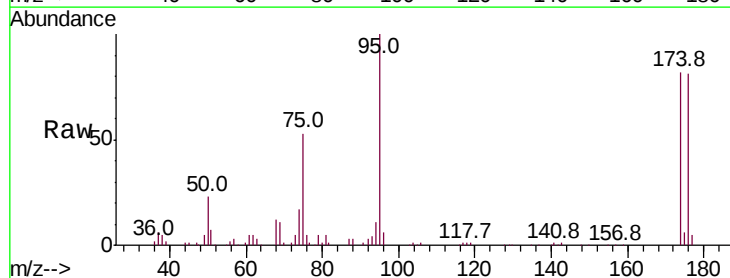
Tgt Ion: 95 Resp: 208848

Ion Ratio Lower Upper

95 100

174 82.2 0.0 181.8

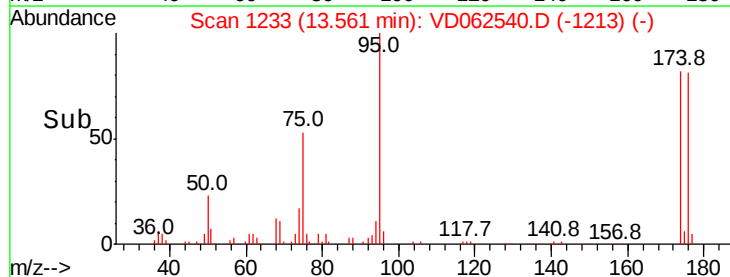
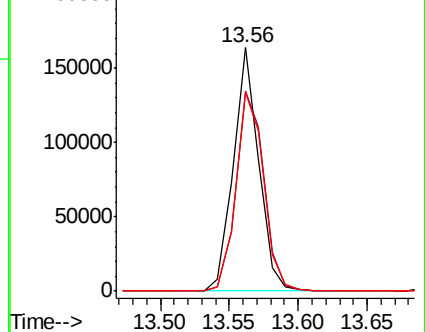
176 81.5 0.0 174.4

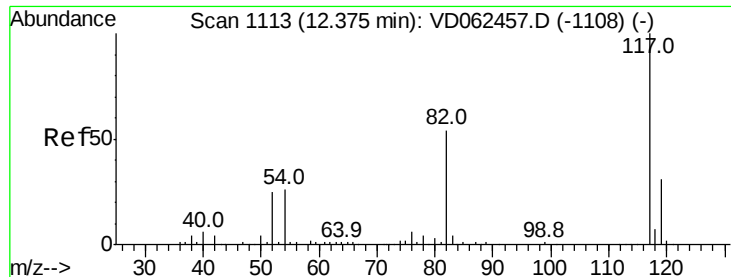


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

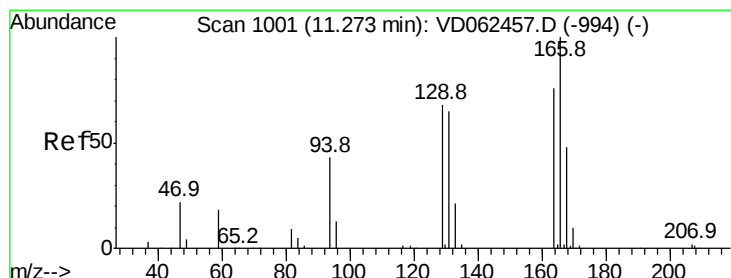
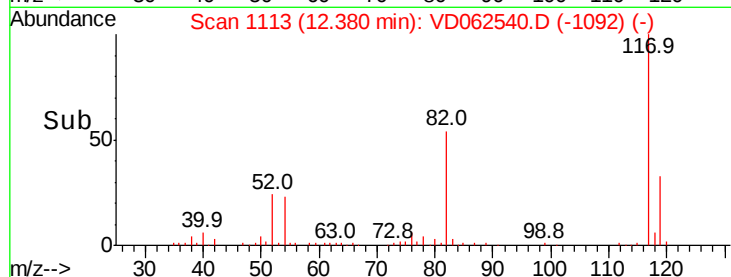
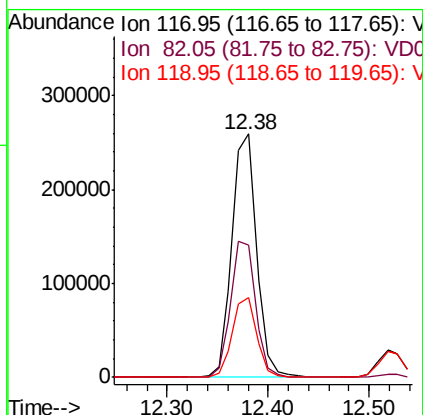
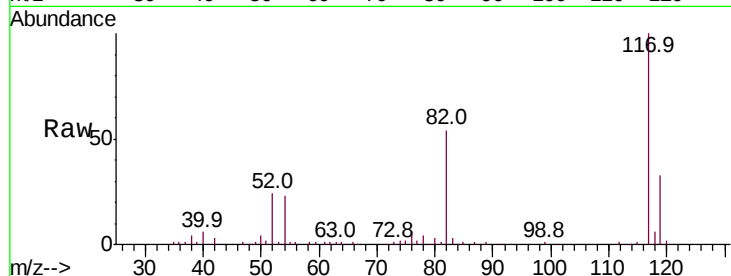




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

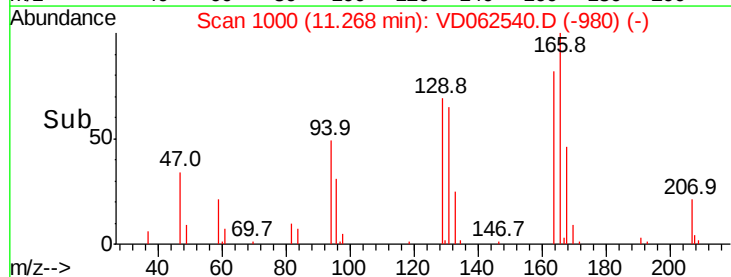
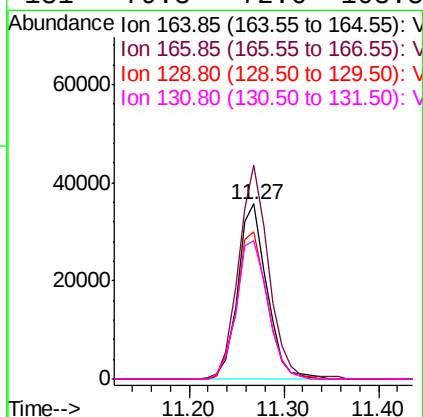
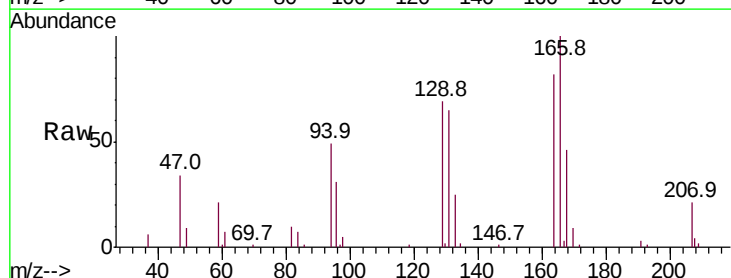
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

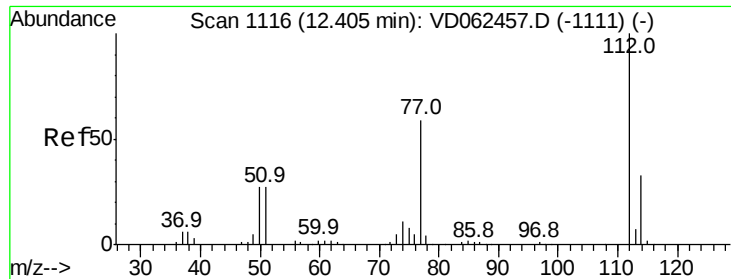
Tot Ion:117 Resp: 438875
Ion Ratio Lower Upper
117 100
82 54.4 36.2 54.2#
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 20.671 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion:164 Resp: 75962
Ion Ratio Lower Upper
164 100
166 122.2 101.5 152.3
129 84.5 74.6 112.0
131 79.3 72.6 108.8

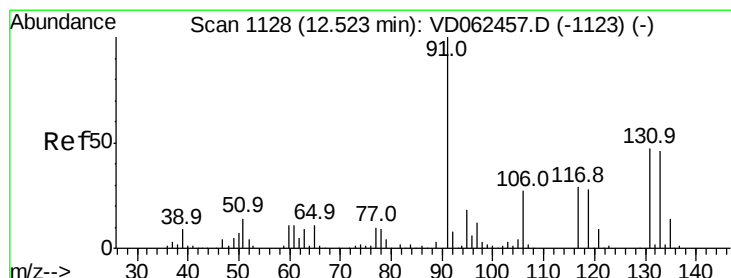
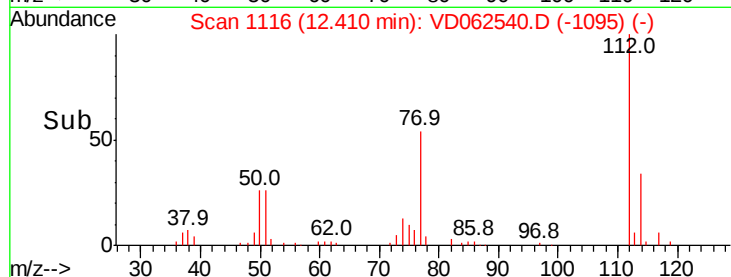
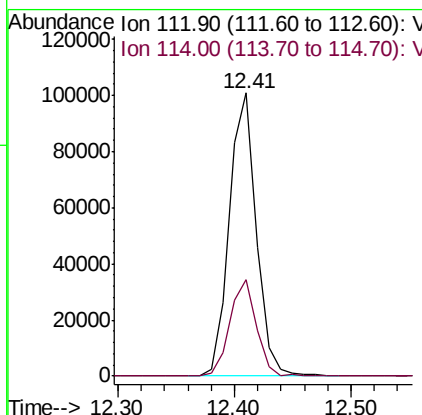
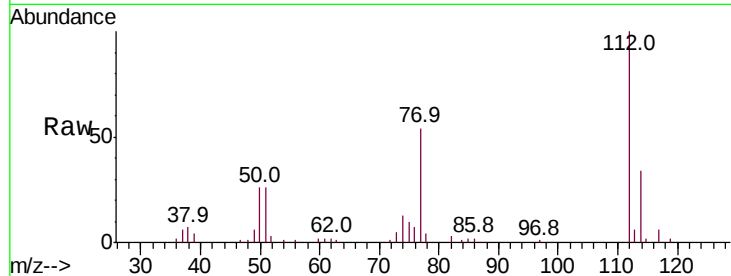




#65
Chlorobenzene
Concen: 19.102 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

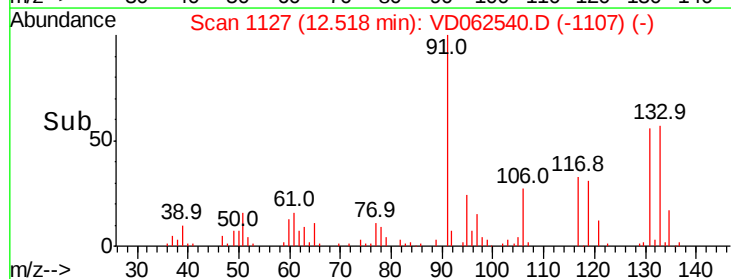
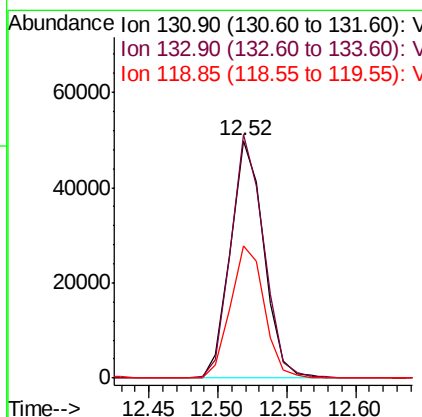
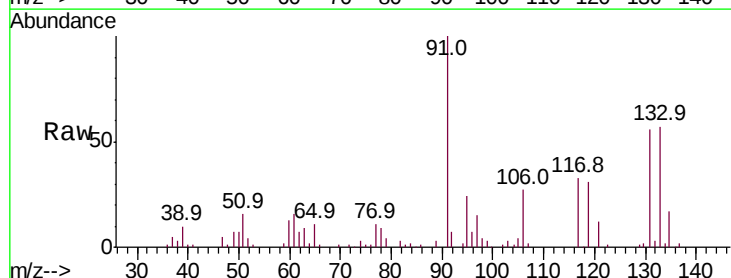
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

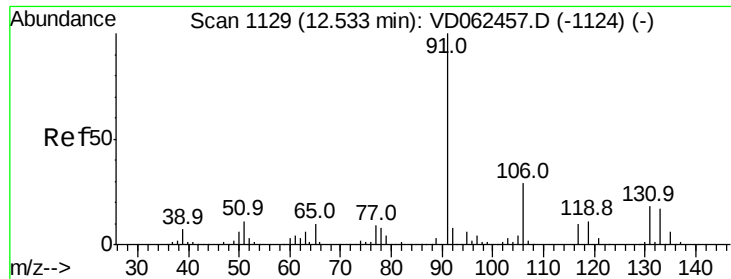
Tot Ion:112 Resp: 161217
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.569 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion:131 Resp: 84029
Ion Ratio Lower Upper
131 100
133 102.4 48.6 145.8
119 55.7 34.7 104.1

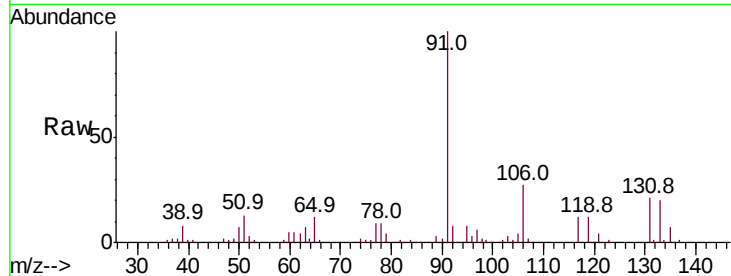




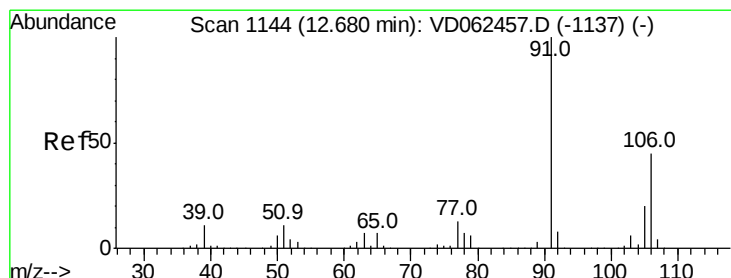
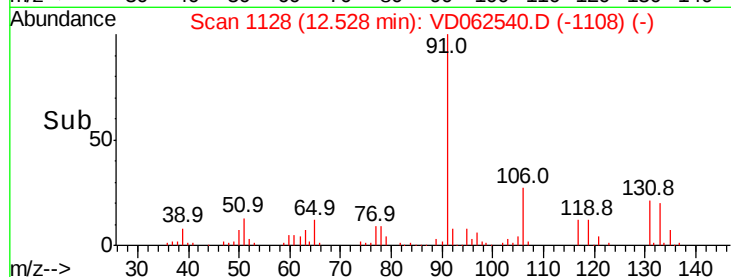
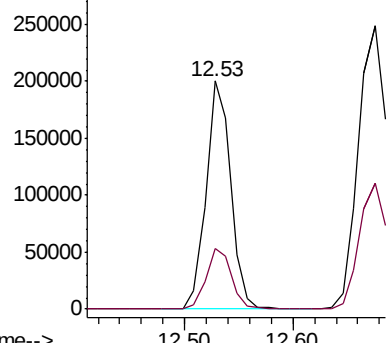
#67
Ethyl Benzene
Concen: 21.790 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleID :
VD0528SBS01

Tot Ion: 91 Resp: 316754
Ion Ratio Lower Upper
91 100
106 26.5 24.7 37.1

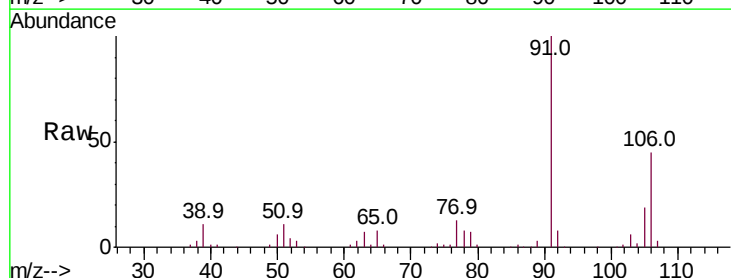


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

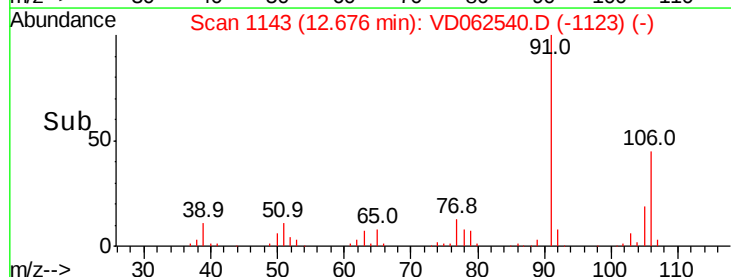
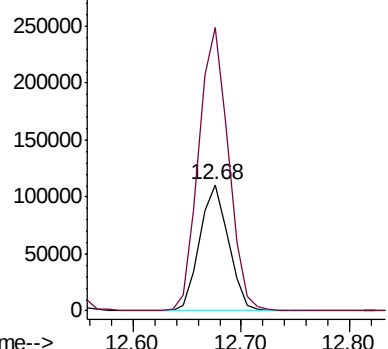


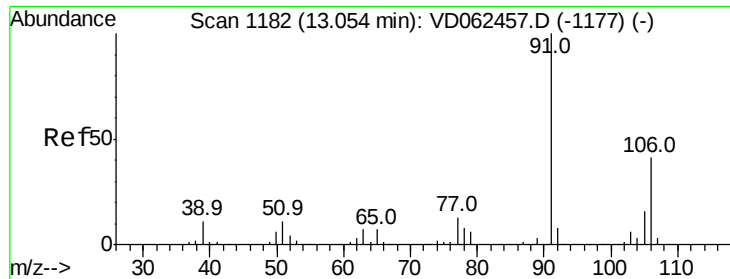
#68
m/p-Xylenes
Concen: 39.455 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion:106 Resp: 205882
Ion Ratio Lower Upper
106 100
91 223.7 164.0 246.0



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

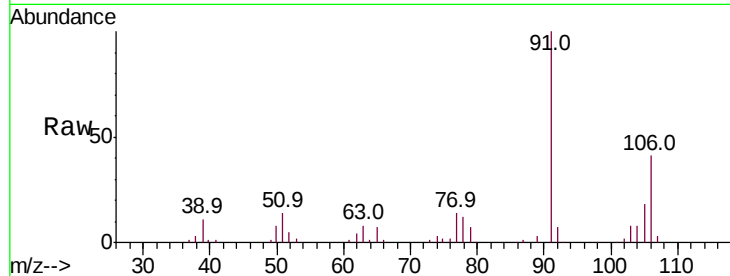




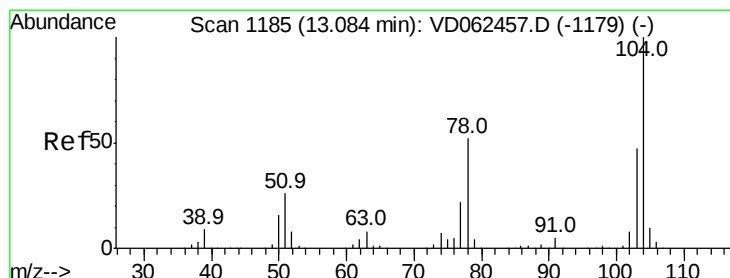
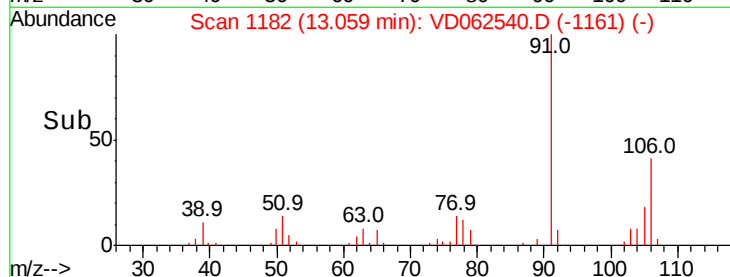
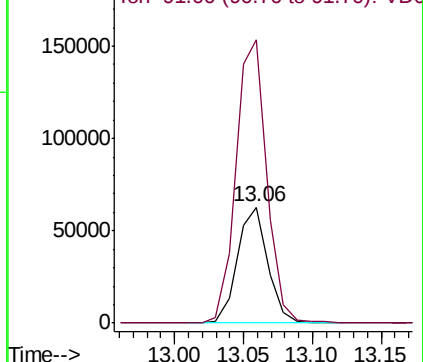
#69
o-Xylene
Concen: 19.540 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

Tot Ion:106 Resp: 96205
Ion Ratio Lower Upper
106 100
91 243.5 106.7 319.9

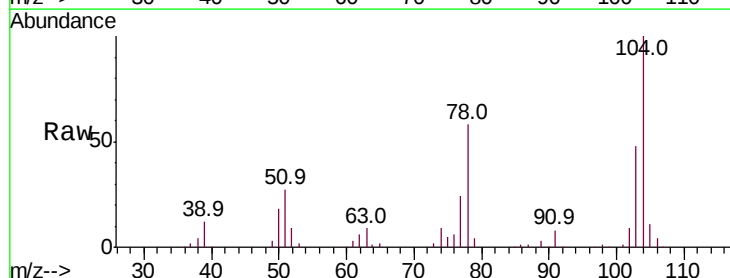


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

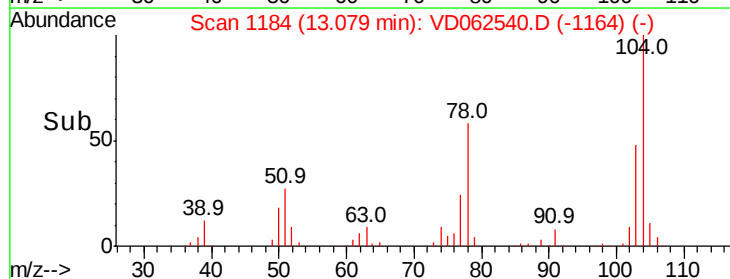
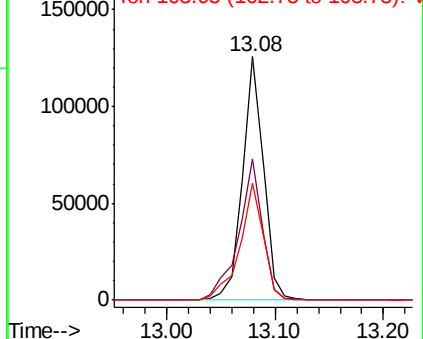


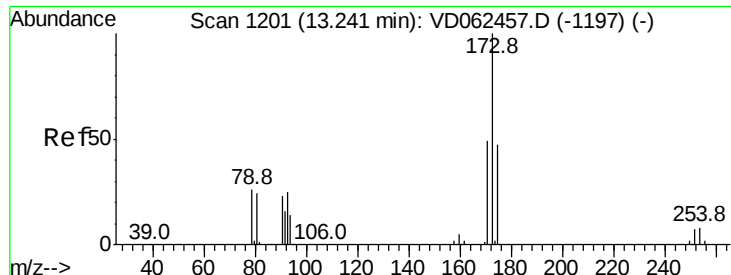
#70
Styrene
Concen: 20.223 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion:104 Resp: 169383
Ion Ratio Lower Upper
104 100
78 57.9 35.4 53.2#
103 47.8 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: 22.038 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

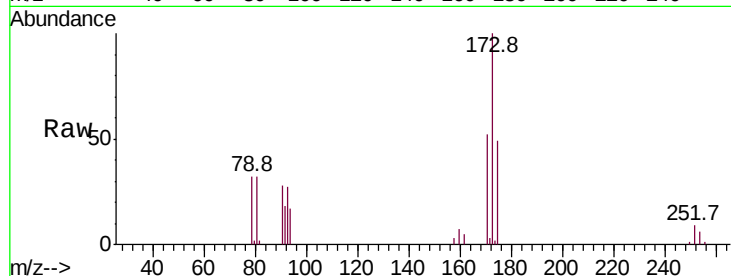
Tot Ion:173 Resp: 57017

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

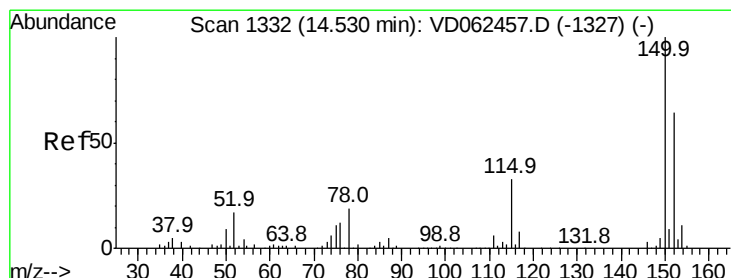
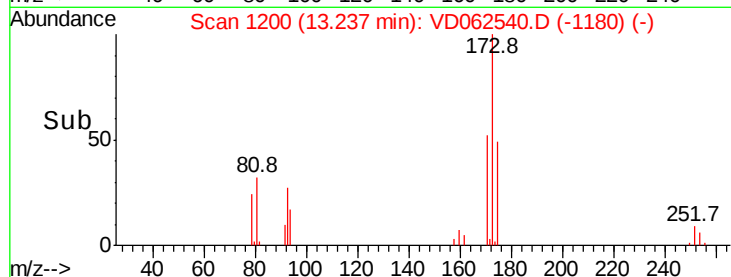
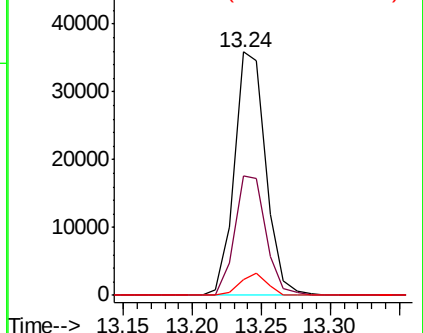
254 6.3 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

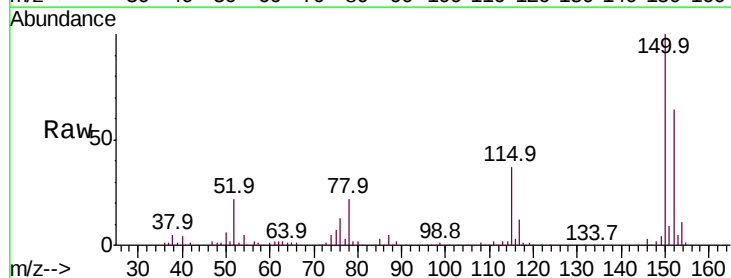
Tgt Ion:152 Resp: 242301

Ion Ratio Lower Upper

152 100

115 57.6 30.9 92.7

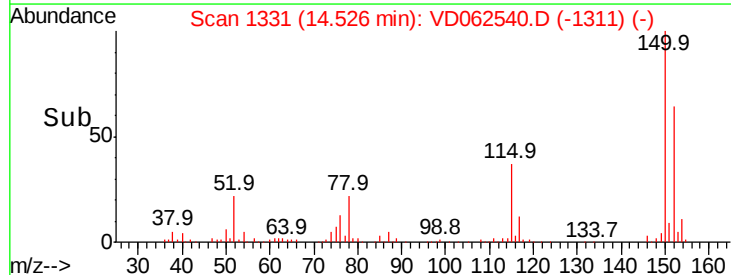
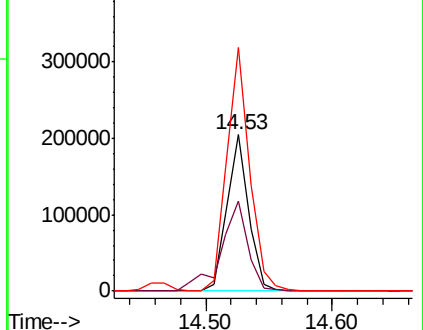
150 155.7 0.0 314.8

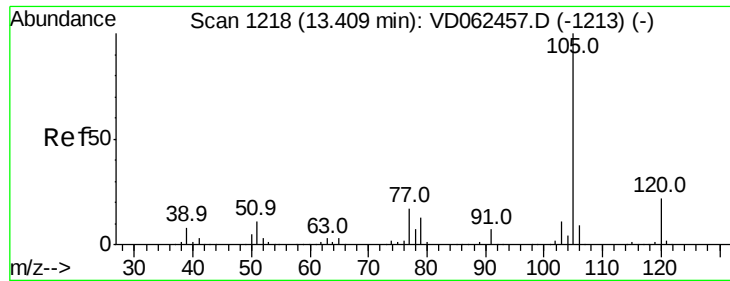


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.941 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

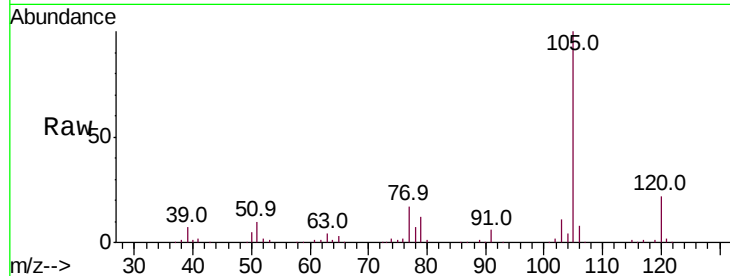
VD0528SBSD01

Tot Ion:105 Resp: 289288

Ion Ratio Lower Upper

105 100

120 22.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

50000

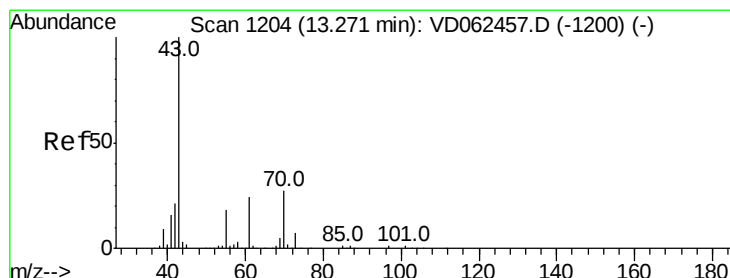
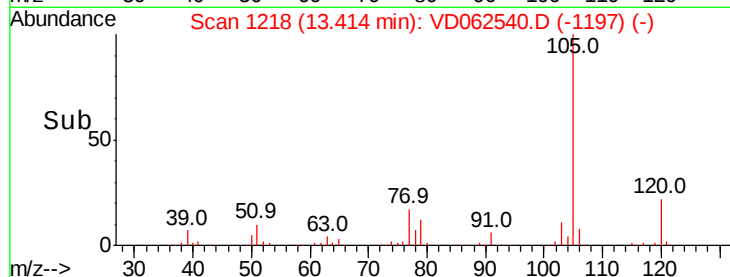
0

13.41

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 19.441 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Tgt Ion: 43 Resp: 73337

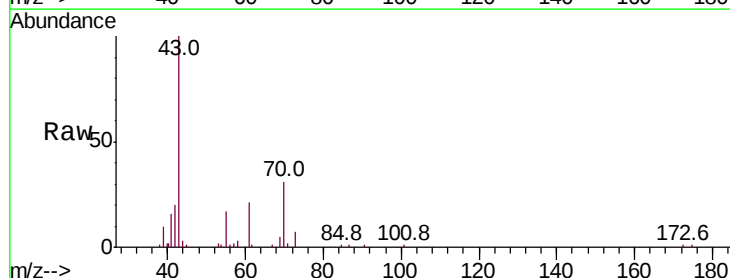
Ion Ratio Lower Upper

43 100

70 30.6 24.2 36.4

55 16.7 16.0 24.0

61 20.9 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

80000

60000

40000

20000

0

13.28

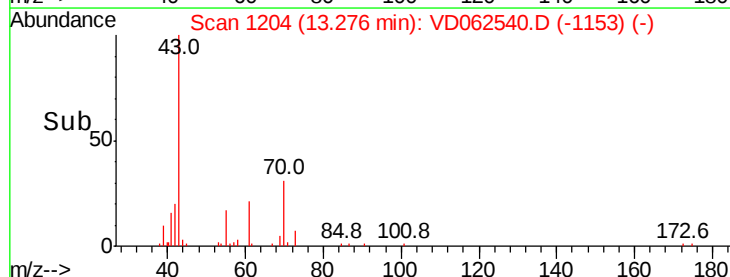
13.20

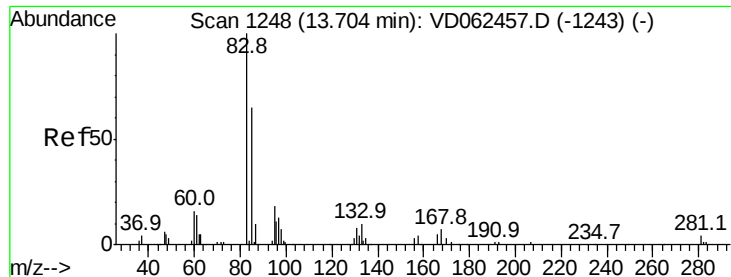
13.25

13.30

13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.099 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

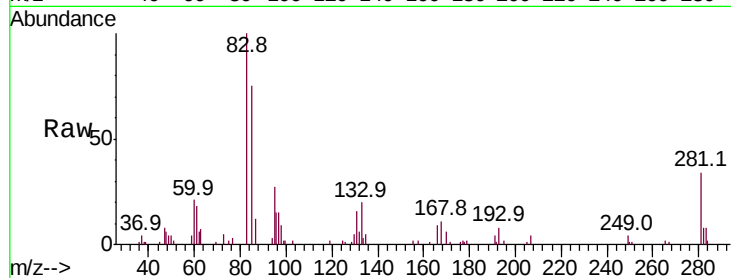
Tot Ion: 83 Resp: 49869

Ion Ratio Lower Upper

83 100

131 15.6 5.0 14.9#

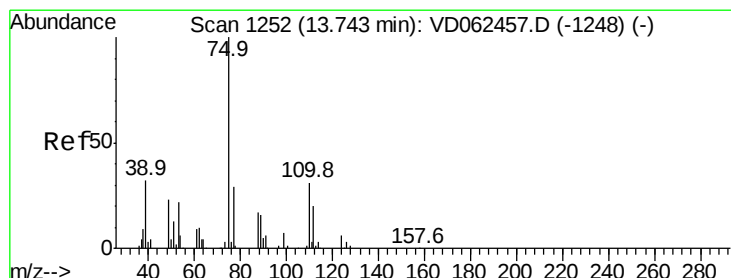
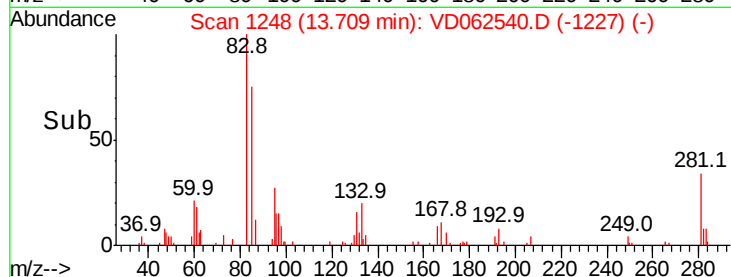
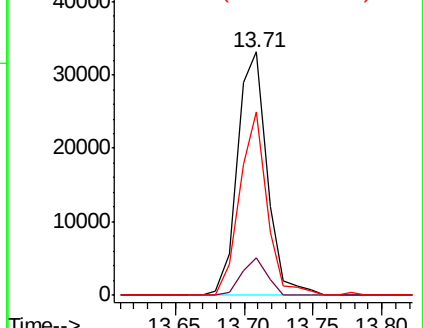
85 75.3 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.993 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062540.D

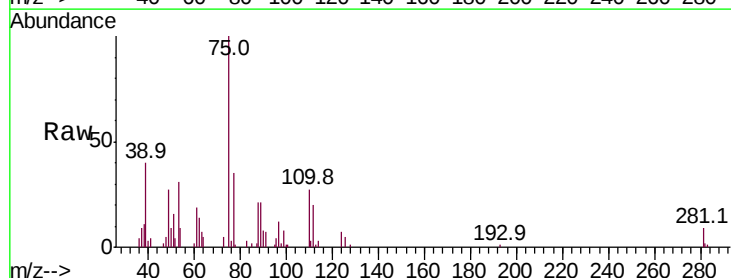
Acq: 28 May 2019 15:53

Tgt Ion: 75 Resp: 59915

Ion Ratio Lower Upper

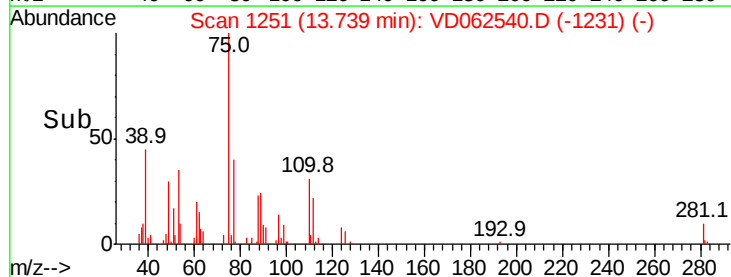
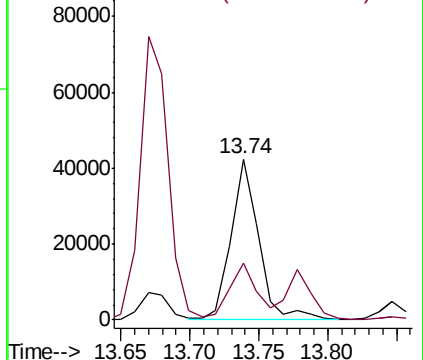
75 100

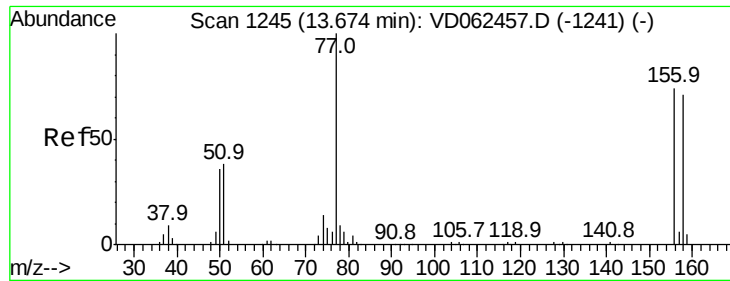
77 35.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.235 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

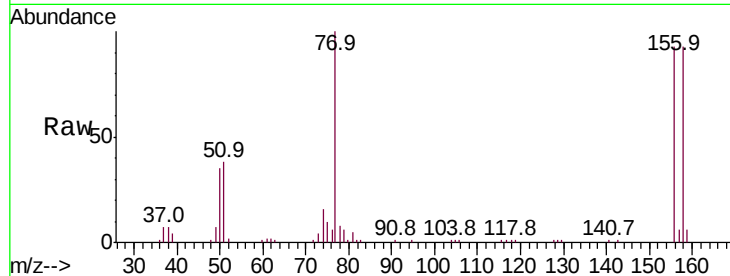
Tot Ion:156 Resp: 83339

Ion Ratio Lower Upper

156 100

77 108.0 53.1 159.4

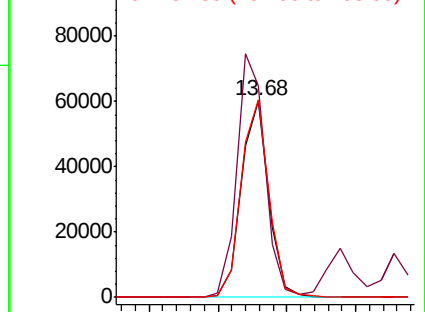
158 100.5 49.4 148.0



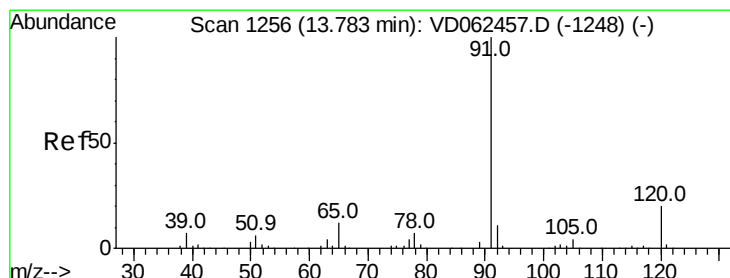
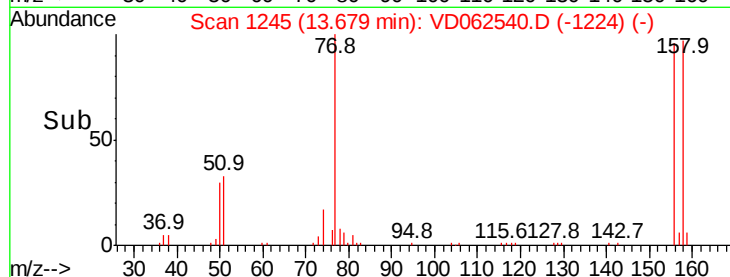
Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



Time-->



#78

n-propylbenzene

Concen: 20.269 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062540.D

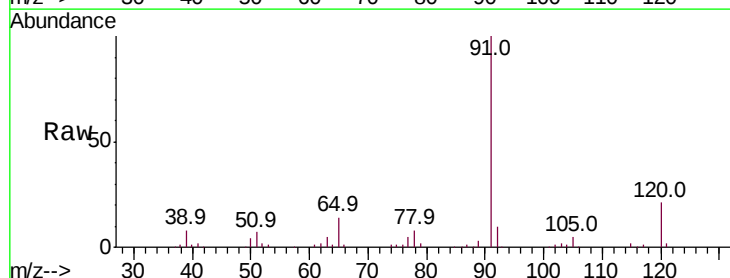
Acq: 28 May 2019 15:53

Tgt Ion: 91 Resp: 358591

Ion Ratio Lower Upper

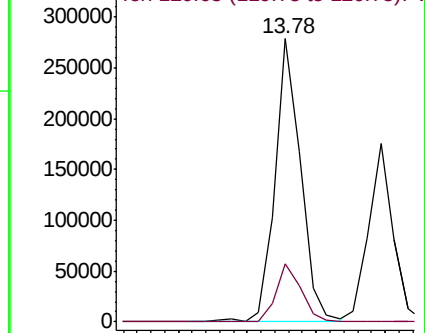
91 100

120 20.7 11.1 33.1

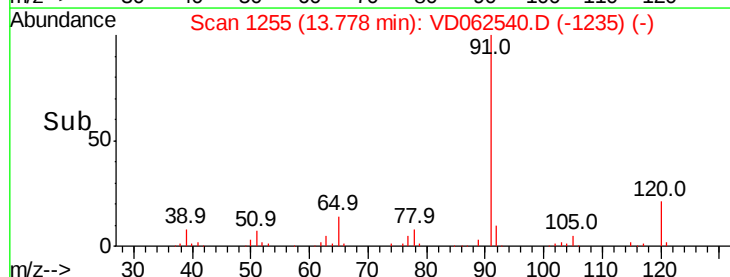


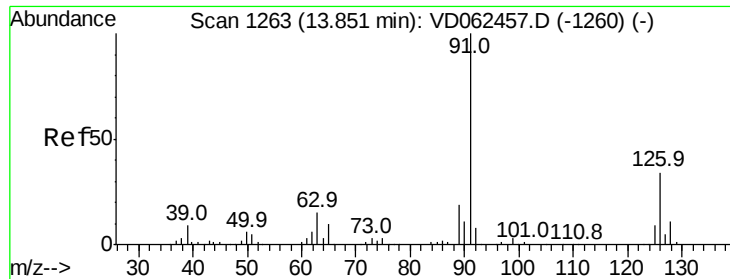
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



Time-->





#79

2-Chlorotoluene

Concen: 20.252 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

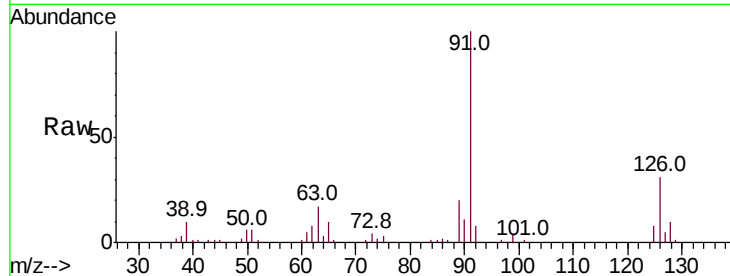
VD0528SBSD01

Tot Ion: 91 Resp: 217430

Ion Ratio Lower Upper

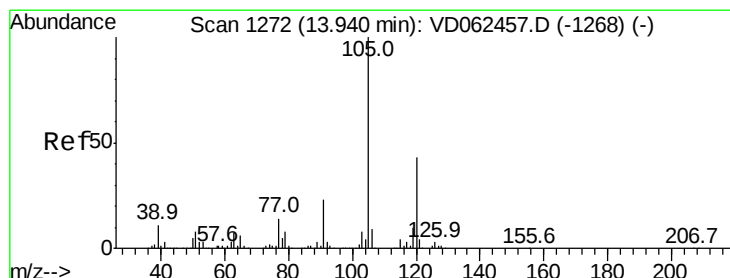
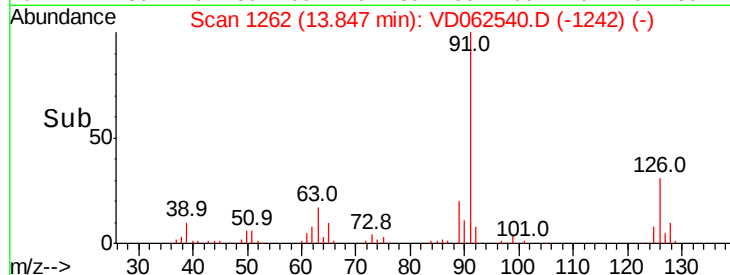
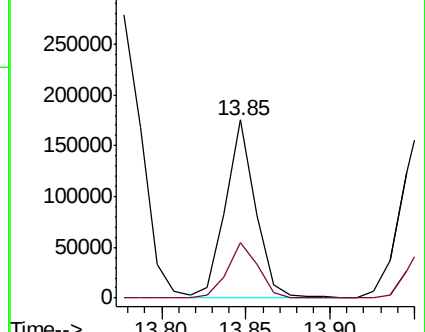
91 100

126 30.9 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: 19.807 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062540.D

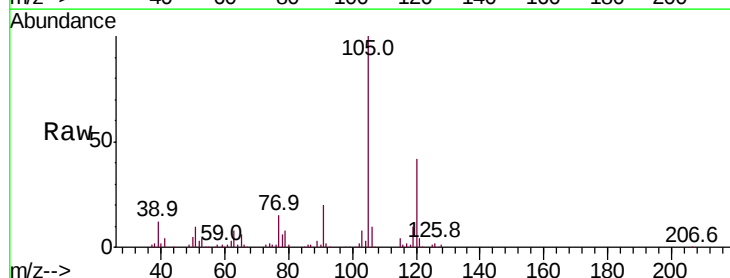
Acq: 28 May 2019 15:53

Tgt Ion:105 Resp: 261936

Ion Ratio Lower Upper

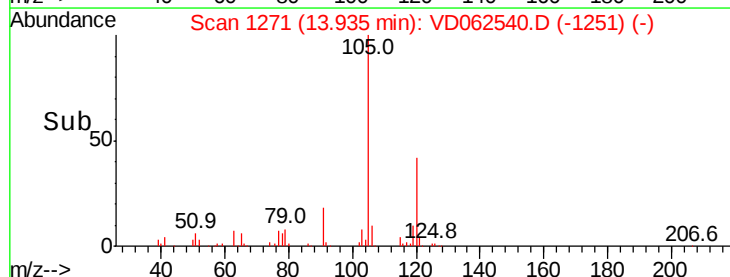
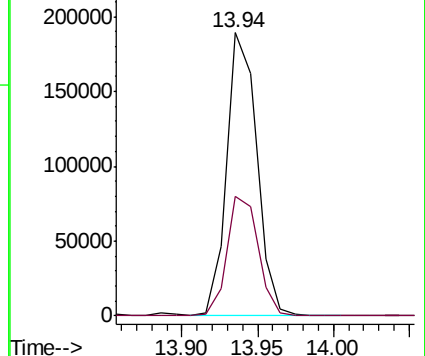
105 100

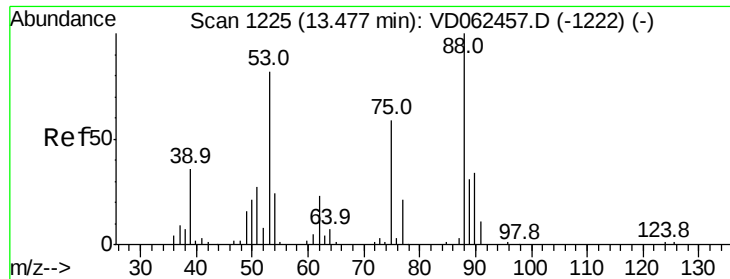
120 42.3 24.0 72.0



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: 17.833 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBSD01

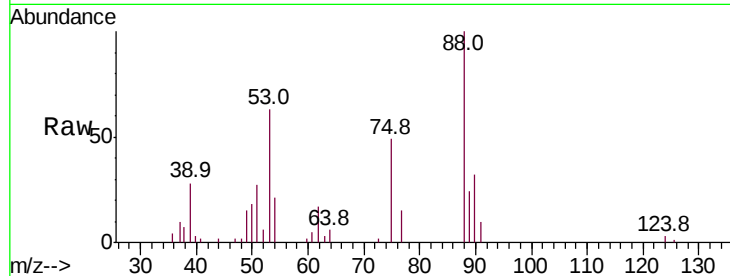
Tot Ion: 75 Resp: 14354

Ion Ratio Lower Upper

75 100

53 128.0 65.8 98.8#

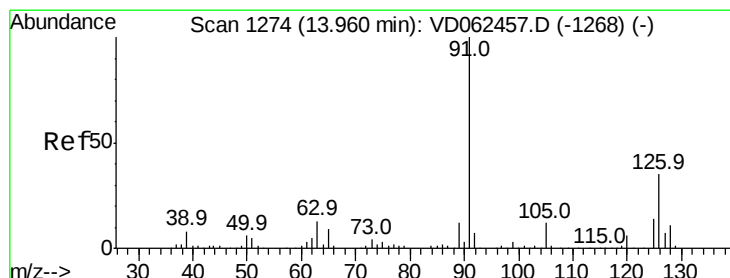
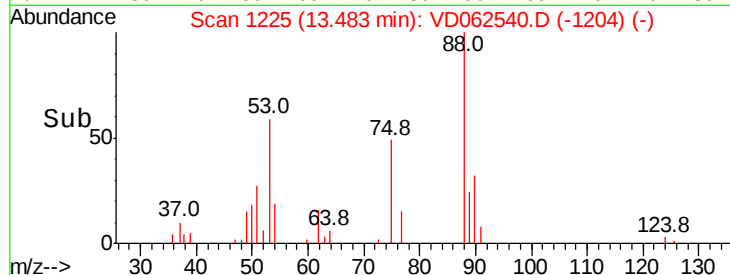
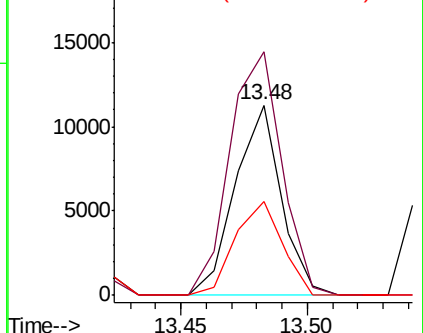
89 49.1 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.943 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062540.D

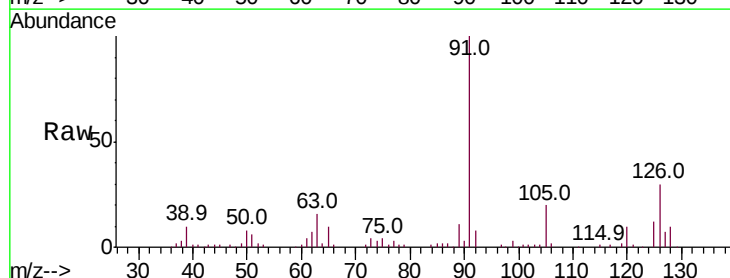
Acq: 28 May 2019 15:53

Tgt Ion: 91 Resp: 258952

Ion Ratio Lower Upper

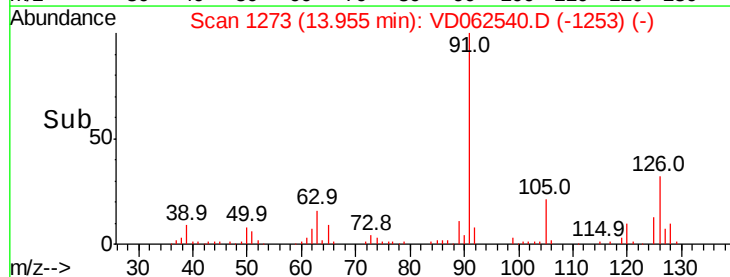
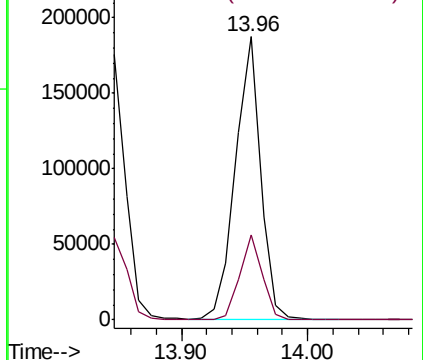
91 100

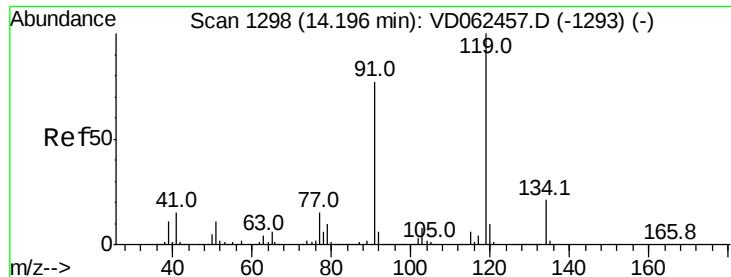
126 30.0 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

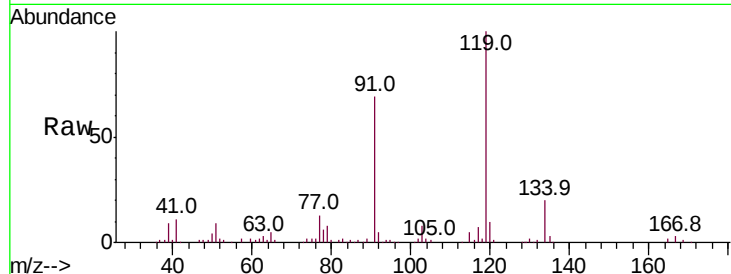




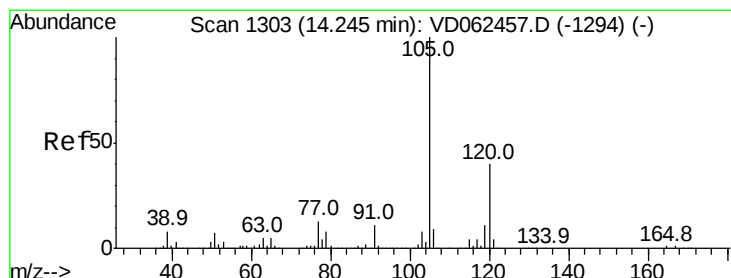
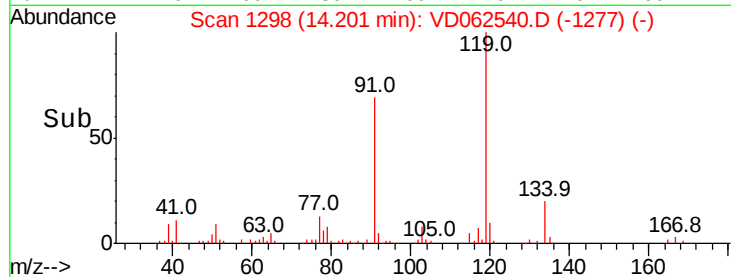
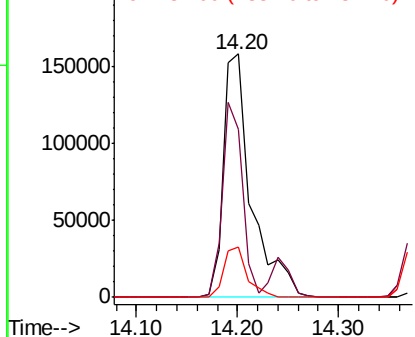
#83
tert-Butylbenzene
Concen: 20.791 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

Tot Ion:119 Resp: 304987
Ion Ratio Lower Upper
119 100
91 69.2 34.2 102.6
134 20.4 12.0 36.0

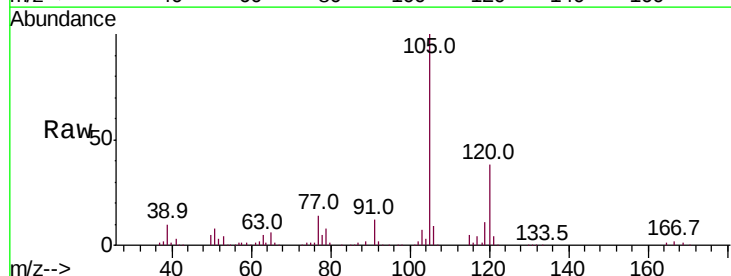


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

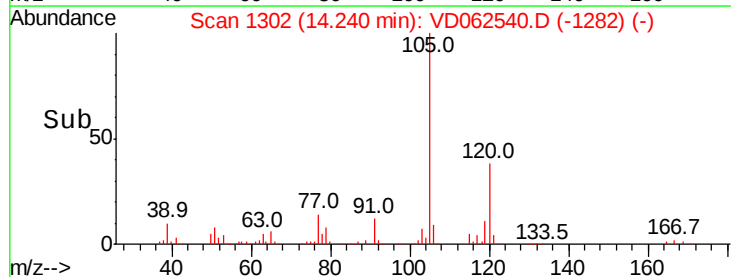
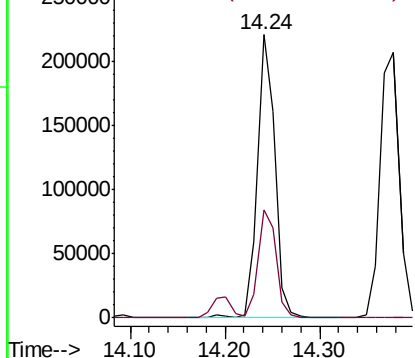


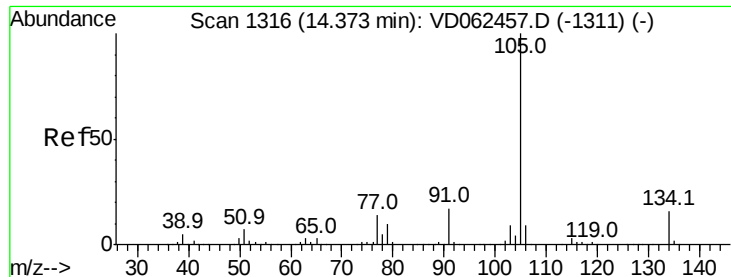
#84
1,2,4-Trimethylbenzene
Concen: 20.857 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion:105 Resp: 282620
Ion Ratio Lower Upper
105 100
120 38.0 23.1 69.2



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

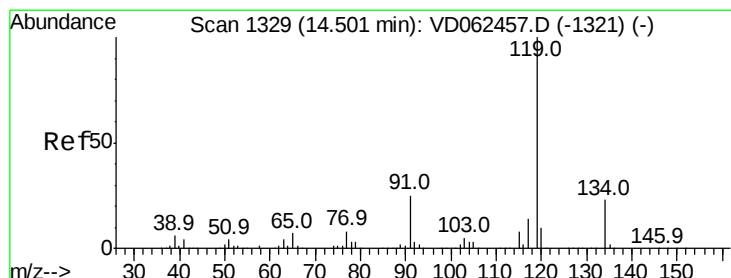
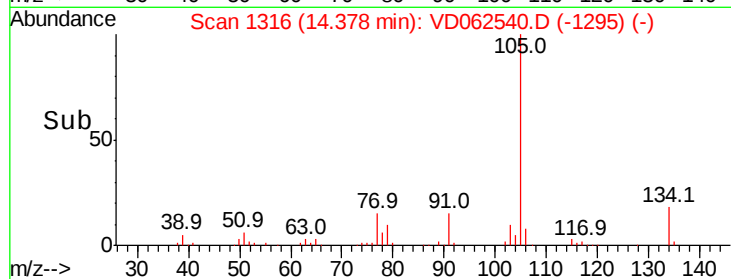
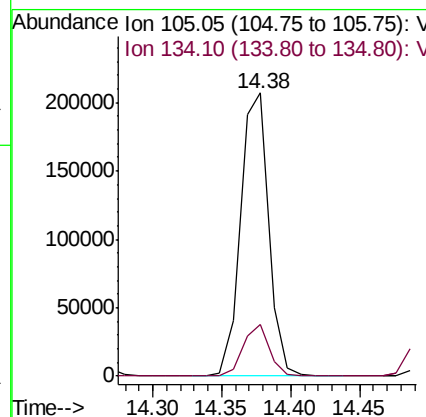
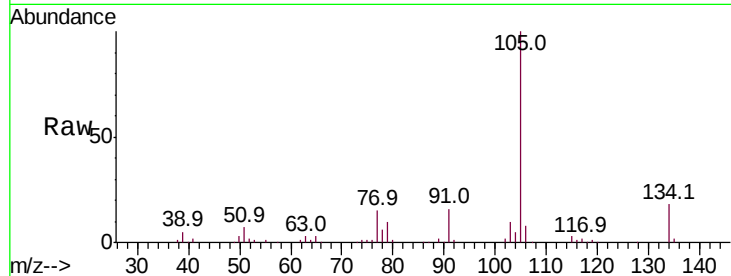




#85
 sec-Butylbenzene
 Concen: 19.302 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

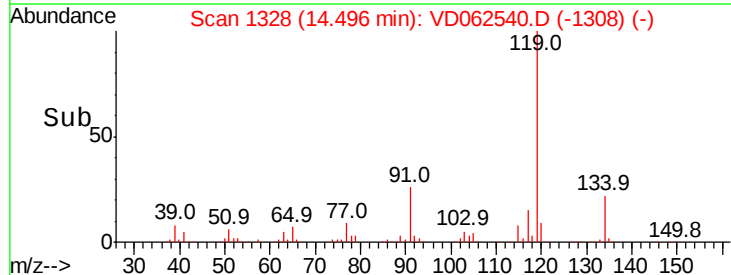
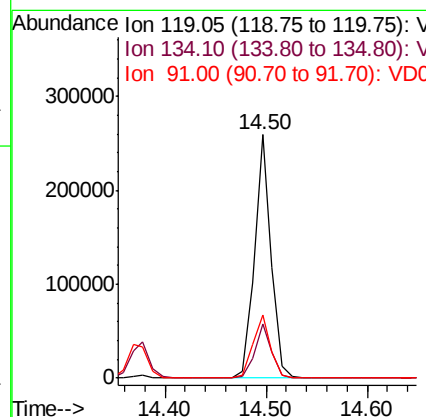
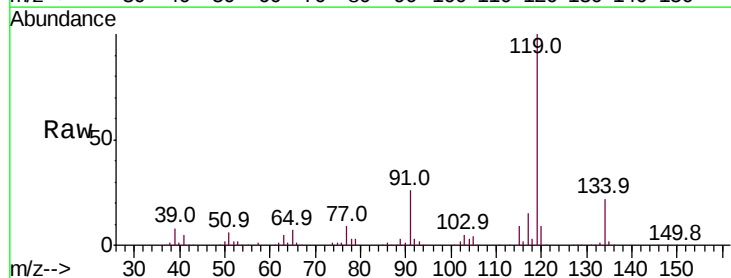
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

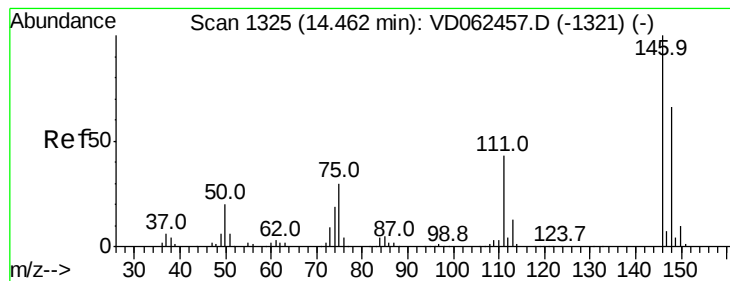
Tot Ion:105 Resp: 295237
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.509 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Tgt Ion:119 Resp: 298142
 Ion Ratio Lower Upper
 119 100
 134 22.5 12.8 38.3
 91 25.8 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 19.918 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

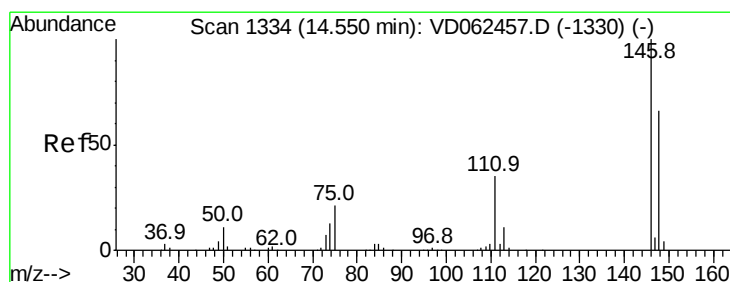
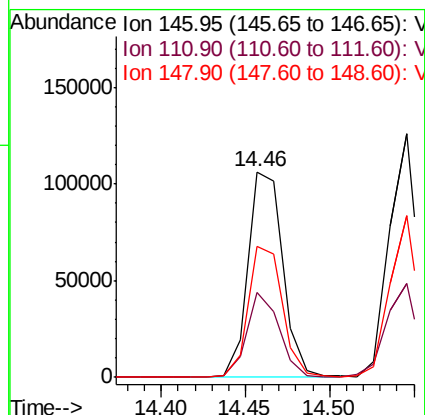
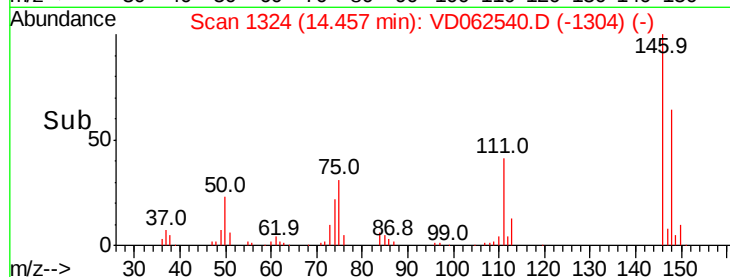
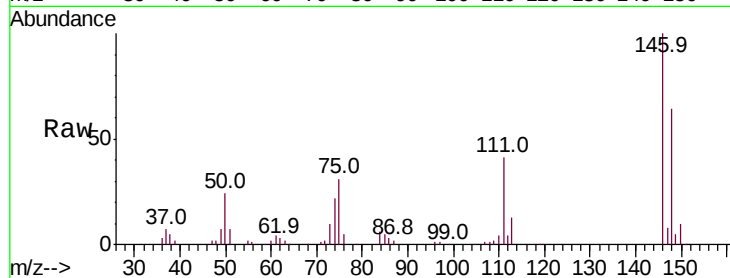
Tot Ion:146 Resp: 152395

Ion Ratio Lower Upper

146 100

111 41.3 20.0 60.0

148 63.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 20.817 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

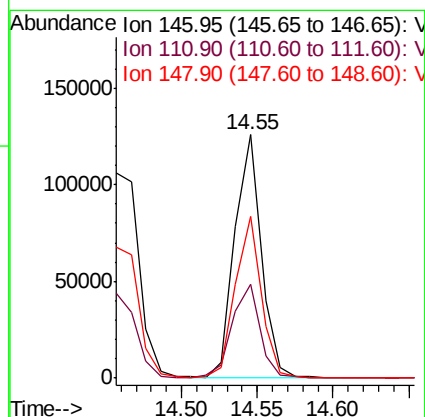
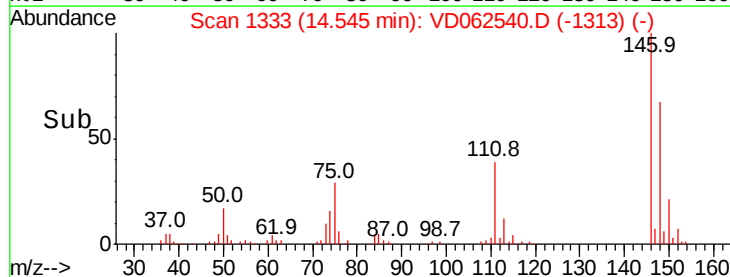
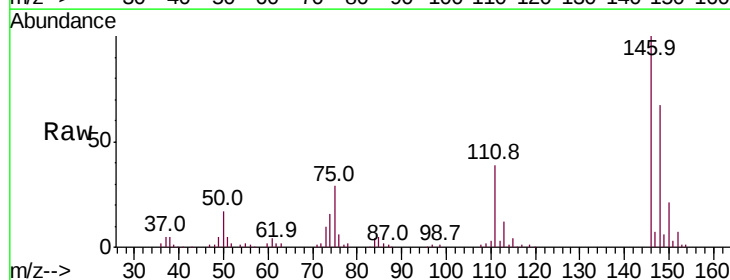
Tgt Ion:146 Resp: 153699

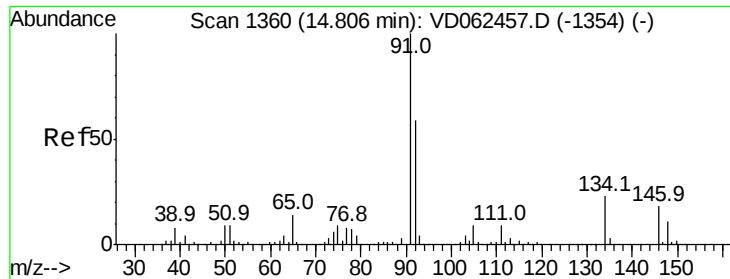
Ion Ratio Lower Upper

146 100

111 38.7 20.2 60.5

148 66.6 32.0 96.2





#89

n-Butylbenzene

Concen: 20.722 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062540.D

Acq: 28 May 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBS01

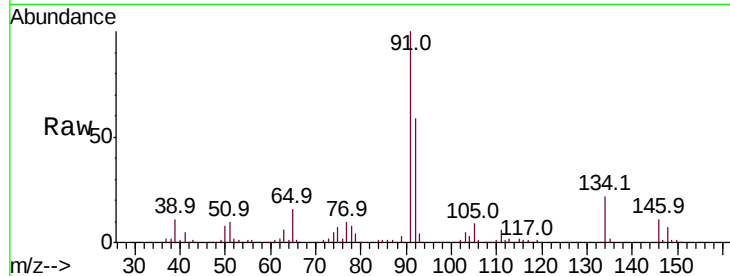
Tot Ion: 91 Resp: 277206

Ion Ratio Lower Upper

91 100

92 59.0 30.3 91.0

134 22.1 14.5 43.6

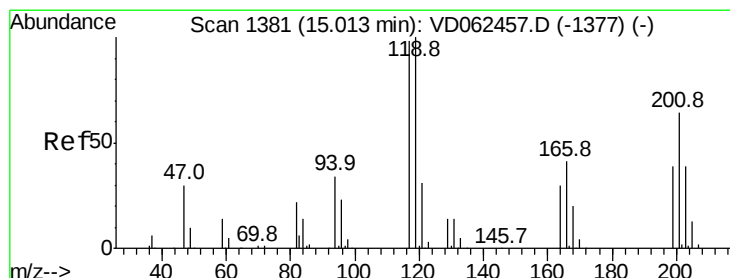
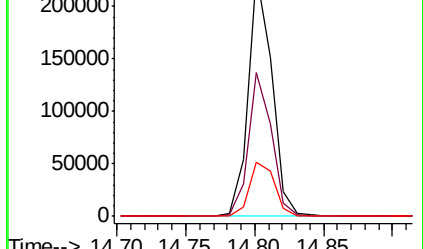
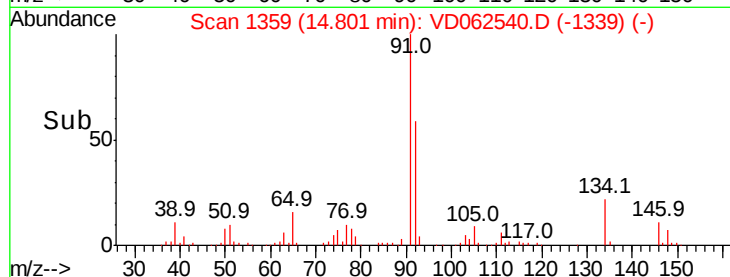


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time--> 14.70 14.75 14.80 14.85



#90

Hexachloroethane

Concen: 21.824 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062540.D

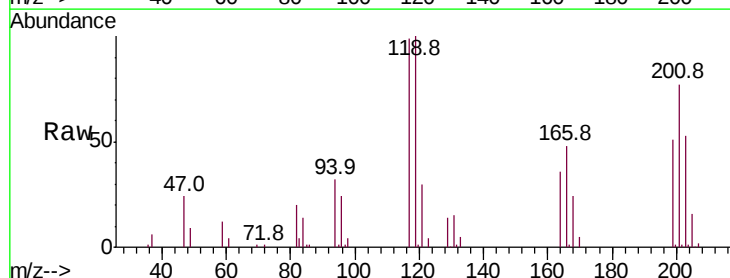
Acq: 28 May 2019 15:53

Tgt Ion: 117 Resp: 83603

Ion Ratio Lower Upper

117 100

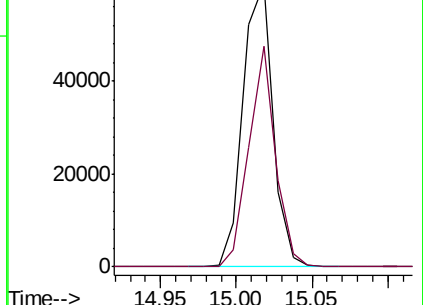
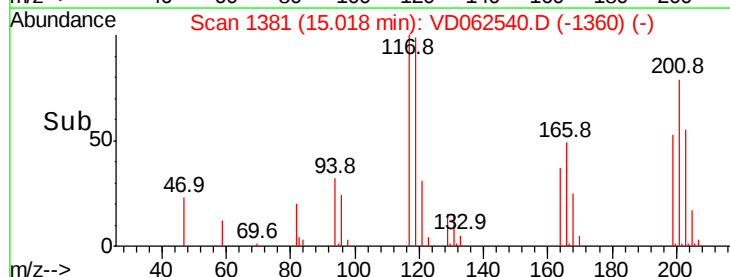
201 77.9 30.2 90.6

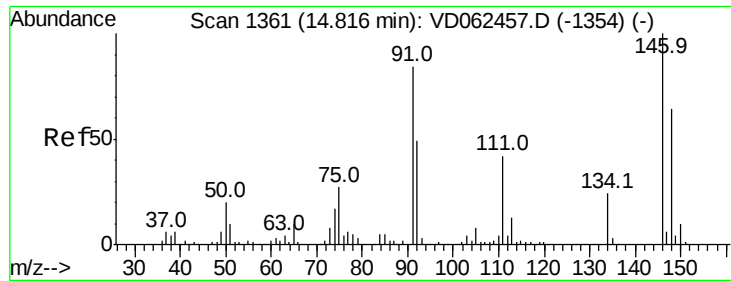


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

Time--> 14.95 15.00 15.05

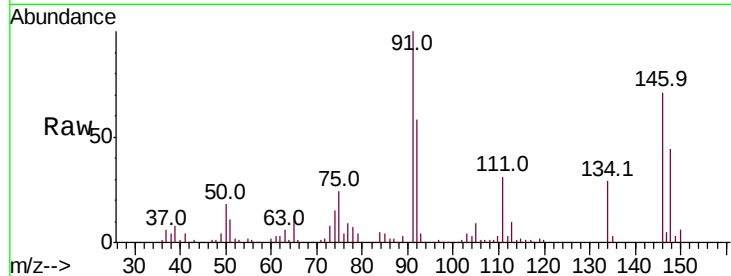




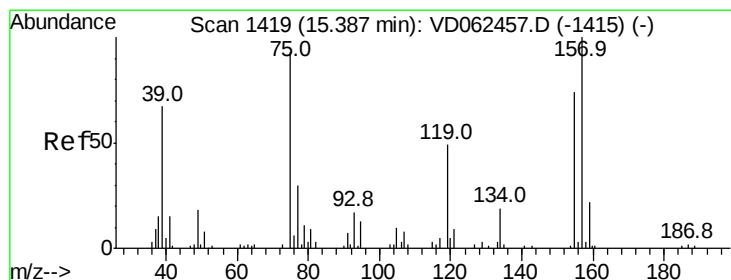
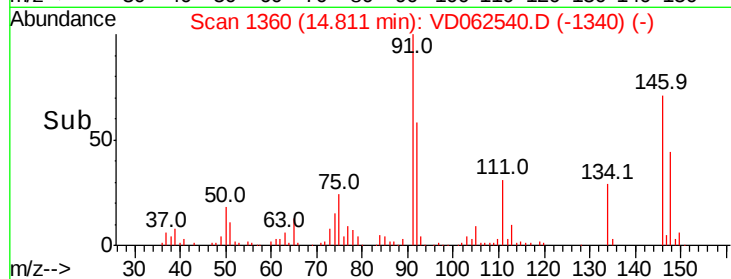
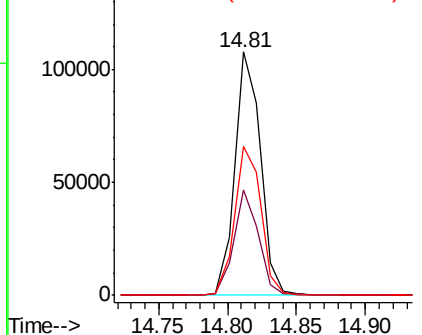
#91
 1,2-Dichlorobenzene
 Concen: 21.570 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

Tot Ion:146 Resp: 140336
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.0 59.9
 148 61.2 32.3 96.8

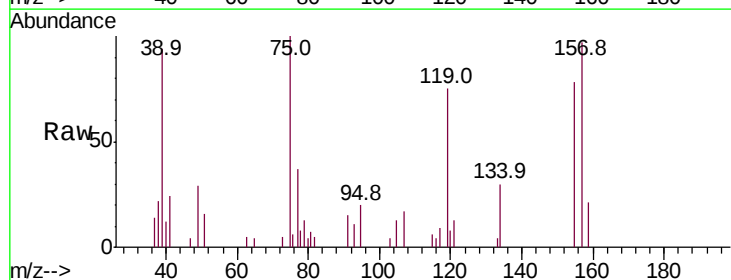


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

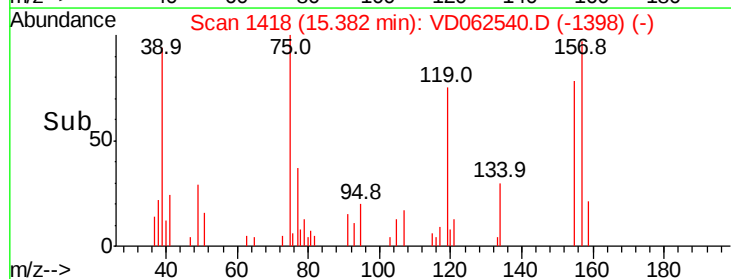
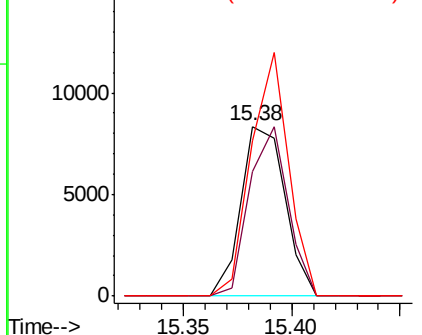


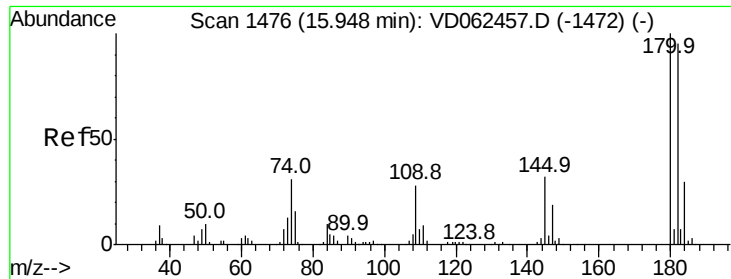
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.537 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Tgt Ion: 75 Resp: 11787
 Ion Ratio Lower Upper
 75 100
 155 73.5 55.3 165.8
 157 91.2 67.8 203.2



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

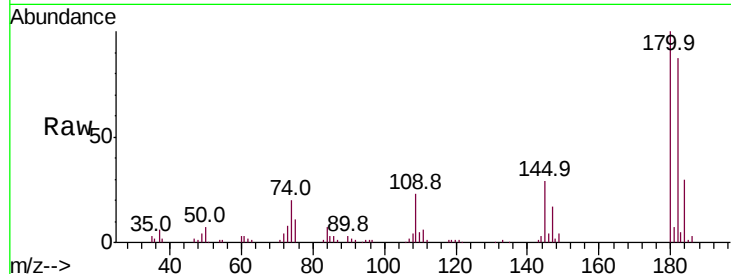




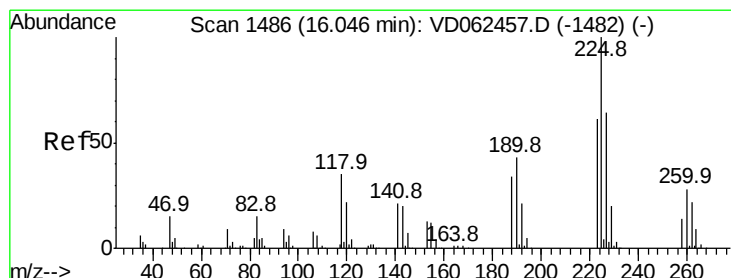
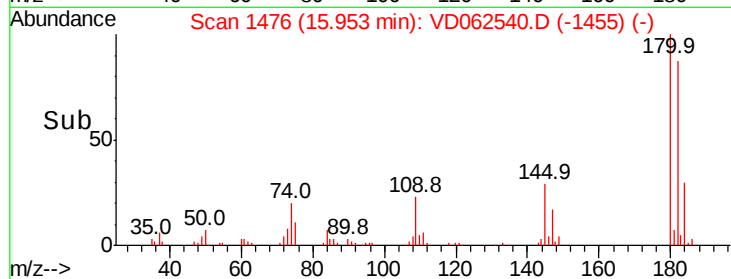
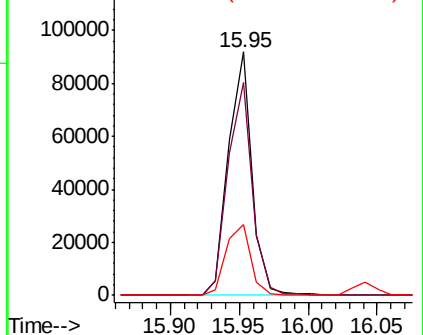
#93
 1,2,4-Trichlorobenzene
 Concen: 21.139 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.3	49.3	147.8
145	29.2	16.2	48.6

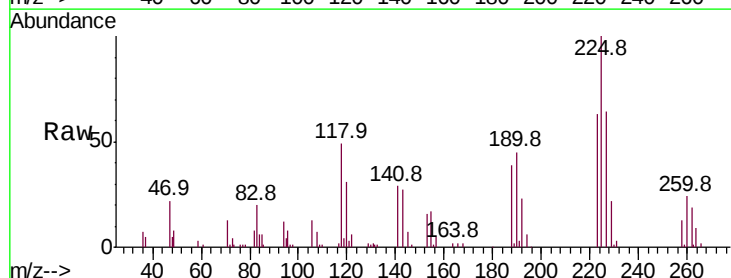


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

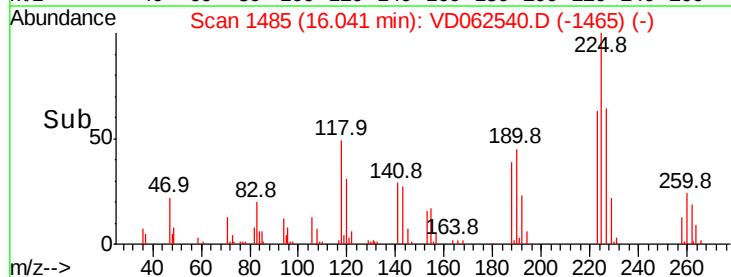
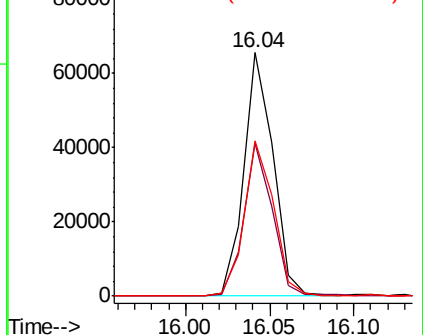


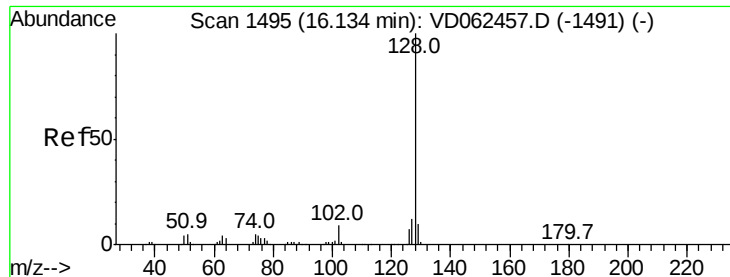
#94
 Hexachlorobutadiene
 Concen: 20.872 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062540.D
 Acq: 28 May 2019 15:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.6	92.0
227	64.0	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

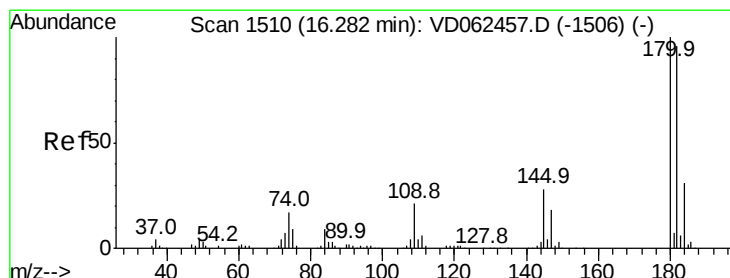
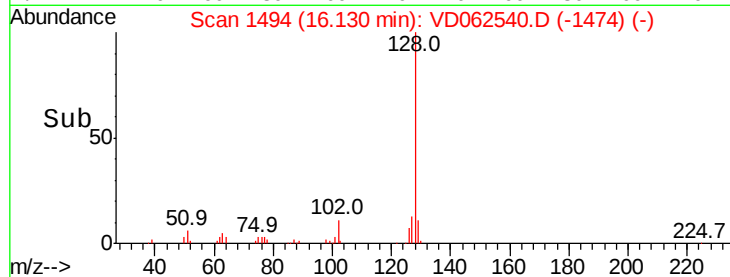
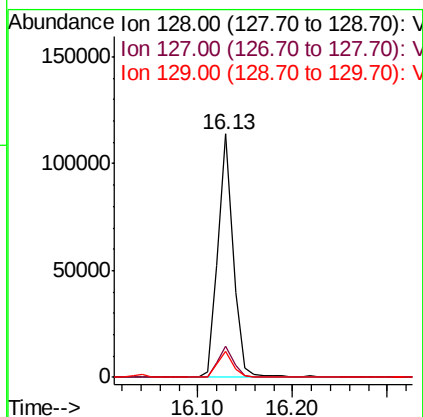
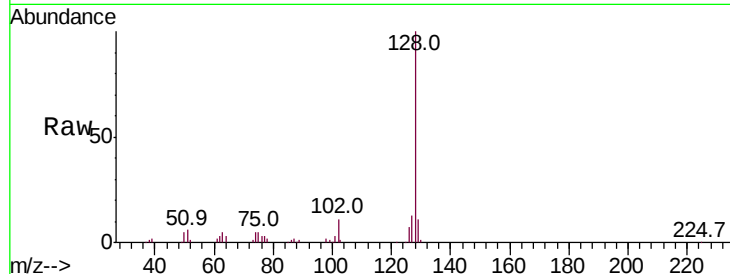




#95
Naphthalene
Concen: 18.486 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.8	14.8
129	10.7	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.437 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD062540.D
Acq: 28 May 2019 15:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.0	141.0
145	32.4	17.0	51.0

