

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062578.D
 Acq On : 31 May 2019 21:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 01 00:26:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	769396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	982310	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	810150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	452396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	510392	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	6.94	113	511052	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
50) Toluene-d8	10.42	98	1058651	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	13.56	95	504100	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	406619	45.567	ug/l	91
3) Chloromethane	1.75	50	334681	38.256	ug/l	96
4) Vinyl Chloride	1.85	62	330852	48.537	ug/l	98
5) Bromomethane	2.15	94	187621	84.758	ug/l	93
6) Chloroethane	2.27	64	165255	51.699	ug/l #	88
7) Trichlorofluoromethane	2.54	101	777565	53.978	ug/l	98
8) Diethyl Ether	2.88	74	98457	53.280	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	432670	50.863	ug/l	92
10) Methyl Iodide	3.31	142	430549	44.606	ug/l	94
11) Tert butyl alcohol	4.08	59	93814	243.809	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	312151	51.872	ug/l	97
13) Acrolein	3.04	56	38451	229.342	ug/l	92
14) Allyl chloride	3.63	41	470851	50.090	ug/l	96
15) Acrylonitrile	4.21	53	234759	255.216	ug/l	96
16) Acetone	3.23	43	425194	239.881	ug/l #	90
17) Carbon Disulfide	3.38	76	926254	47.352	ug/l	98
18) Methyl Acetate	3.65	43	141756	48.999	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	756331	51.883	ug/l	100
20) Methylene Chloride	3.82	84	302422	46.091	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	348997	51.104	ug/l	96
22) Diisopropyl ether	5.14	45	994161	51.770	ug/l	96
23) Vinyl Acetate	5.07	43	2962504	254.384	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	625391	50.465	ug/l	97
25) 2-Butanone	6.08	43	416347	249.406	ug/l	95
26) 2,2-Dichloropropane	6.03	77	684695	49.803	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	359208	51.171	ug/l	91
28) Bromochloromethane	6.45	49	224195	52.355	ug/l	98
29) Tetrahydrofuran	6.47	42	197253	263.783	ug/l	97
30) Chloroform	6.67	83	782899	52.427	ug/l	97
31) Cyclohexane	6.97	56	419123	50.023	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	847369	54.524	ug/l	97
36) 1,1-Dichloropropene	7.15	75	545237	55.758	ug/l	92
37) Ethyl Acetate	6.20	43	205699	49.896	ug/l #	95
38) Carbon Tetrachloride	7.13	117	888302m	61.016	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	470129	56.786	ug/l	96
40) Benzene	7.46	78	1068689	55.683	ug/l	97
41) Methacrylonitrile	6.46	41	276372	56.969	ug/l	97
42) 1,2-Dichloroethane	7.59	62	596223	55.771	ug/l	95
43) Isopropyl Acetate	9.25	43	288111	56.152	ug/l #	98
44) Trichloroethene	8.55	130	414617	54.076	ug/l	99
45) 1,2-Dichloropropane	8.95	63	252671	53.699	ug/l	95
46) Dibromomethane	9.06	93	225399	57.030	ug/l	97
47) Bromodichloromethane	9.39	83	641525	58.911	ug/l	99
48) Methyl methacrylate	9.13	41	209791	61.389	ug/l	98
49) 1,4-Dioxane	9.08	88	32891	1184.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1001869	279.874	ug/l	99
52) Toluene	10.51	92	723990	55.310	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	514774	55.950	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	534471	55.875	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	234615	54.588	ug/l	91
56) Ethyl methacrylate	11.05	69	264268	57.688	ug/l	92
57) 1,3-Dichloropropane	11.42	76	400184	60.399	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.86	63	634150	269.916	ug/l	97
59) 2-Hexanone	11.54	43	732210	291.614	ug/l	98
60) Dibromochloromethane	11.69	129	478734	57.318	ug/l	95
61) 1,2-Dibromoethane	11.81	107	288347	55.770	ug/l	95
64) Tetrachloroethene	11.26	164	372471	52.009	ug/l	97
65) Chlorobenzene	12.40	112	860354	54.513	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	420681	56.361	ug/l	95
67) Ethyl Benzene	12.53	91	1596145	55.199	ug/l	98
68) m/p-Xylenes	12.68	106	1087393	108.707	ug/l	100
69) o-Xylene	13.05	106	494807	51.854	ug/l	82
70) Styrene	13.08	104	866670	53.491	ug/l	99
71) Bromoform	13.24	173	300771	57.403	ug/l #	94
73) Isopropylbenzene	13.41	105	1609289	53.958	ug/l	98
74) N-amyl acetate	13.27	43	448178	58.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	275400	58.224	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	306971	56.559	ug/l	98
77) Bromobenzene	13.67	156	457535	55.951	ug/l	79
78) n-propylbenzene	13.78	91	1866278	54.288	ug/l	98
79) 2-Chlorotoluene	13.85	91	1122151	56.296	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1369941	53.755	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	77306	49.708	ug/l #	84
82) 4-Chlorotoluene	13.95	91	1372666	57.522	ug/l	91
83) tert-Butylbenzene	14.19	119	1446915	50.881	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1335521	51.427	ug/l	99
85) sec-Butylbenzene	14.37	105	1610459	53.460	ug/l	98
86) p-Isopropyltoluene	14.50	119	1637191	58.171	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	835741	58.959	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	740924	52.159	ug/l	97
89) n-Butylbenzene	14.80	91	1350096	53.737	ug/l	96
90) Hexachloroethane	15.01	117	422869	56.633	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	638892	53.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	60815	62.005	ug/l	80

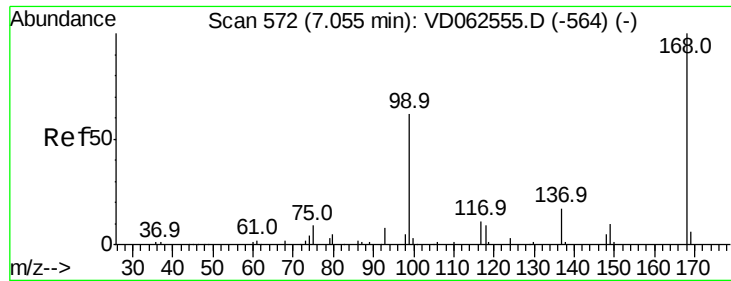
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
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QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	512235	53.723	ug/l	94
94) Hexachlorobutadiene	16.04	225	389614	55.353	ug/l	97
95) Naphthalene	16.12	128	689891	53.129	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	356265	50.020	ug/l	95

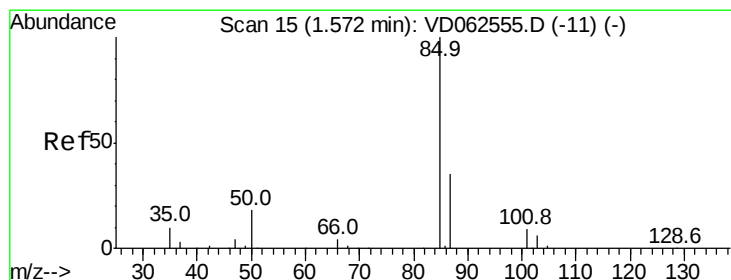
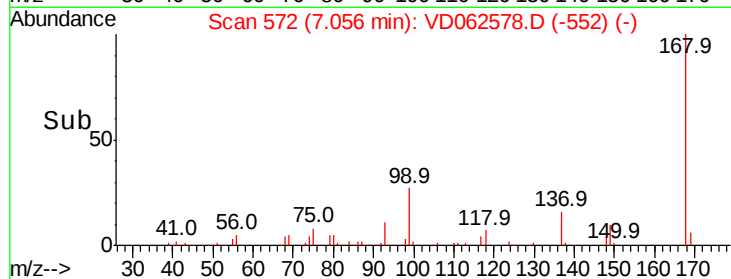
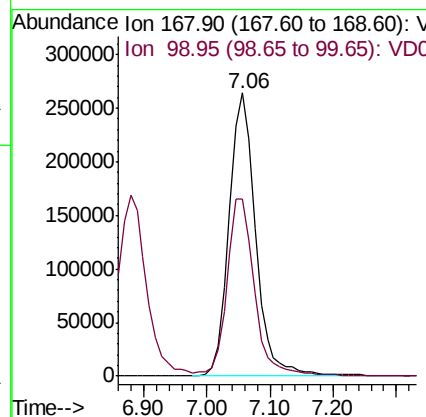
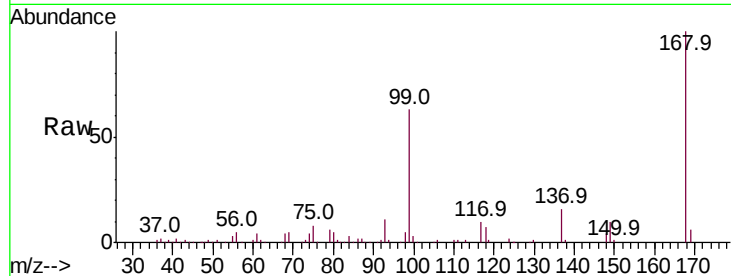
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

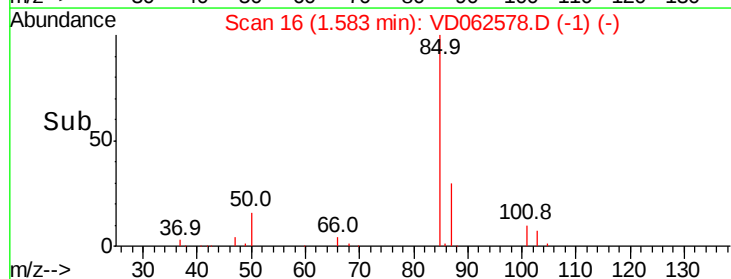
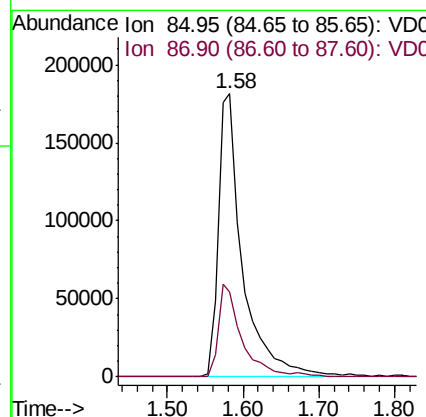
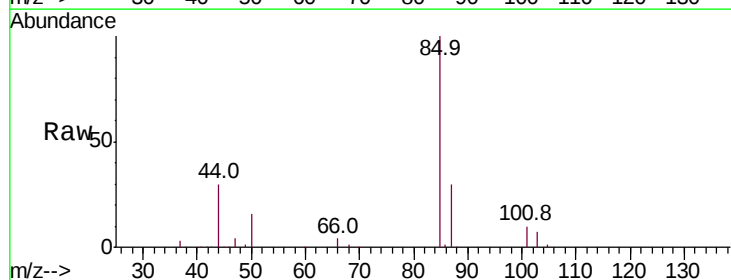
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

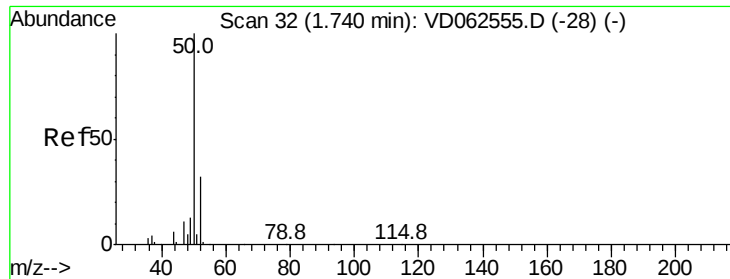
Tot Ion:168 Resp: 769396
Ion Ratio Lower Upper
168 100
99 62.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 45.567 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 85 Resp: 406619
Ion Ratio Lower Upper
85 100
87 30.1 17.5 52.6





#3

Chloromethane

Concen: 38.256 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

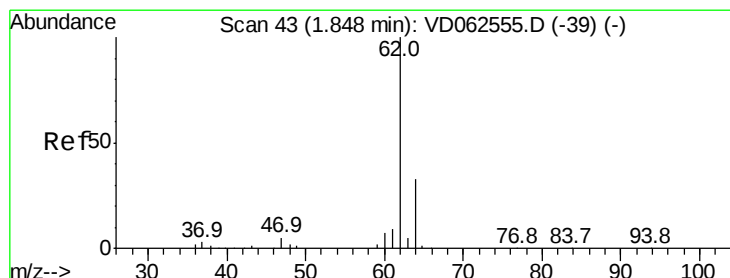
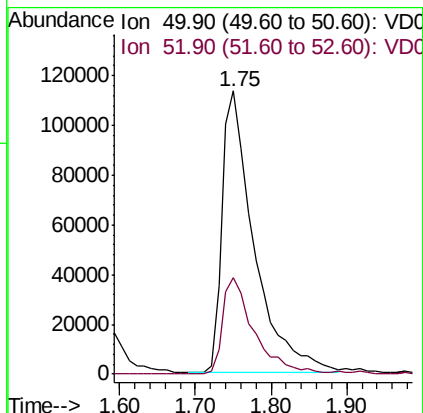
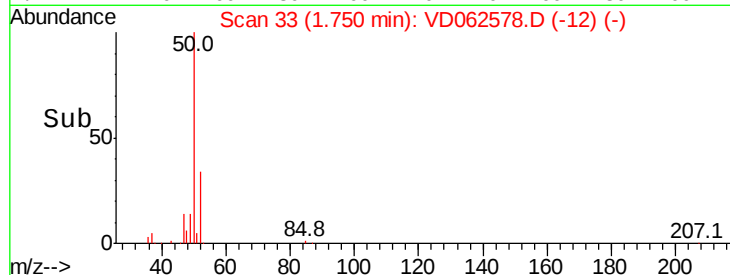
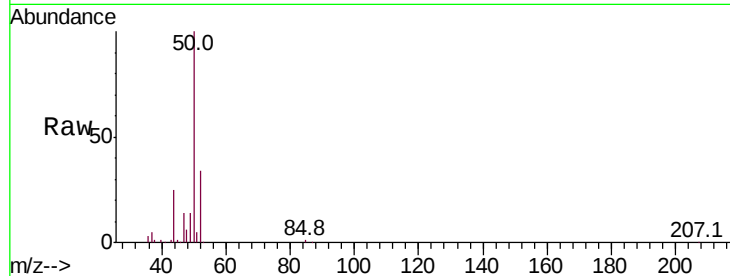
VSTDCCC050EC

Tot Ion: 50 Resp: 334681

Ion Ratio Lower Upper

50 100

52 34.1 25.4 38.2



#4

Vinyl Chloride

Concen: 48.537 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062578.D

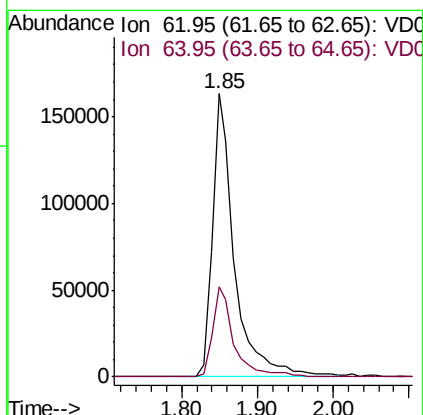
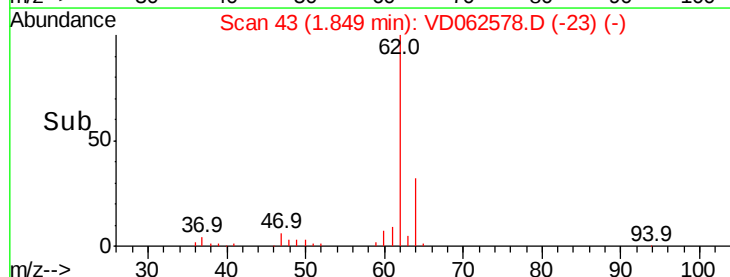
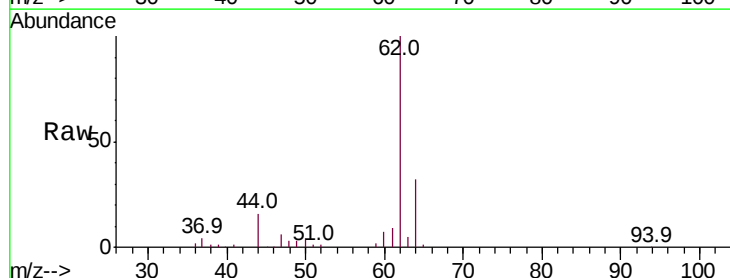
Acq: 31 May 2019 21:46

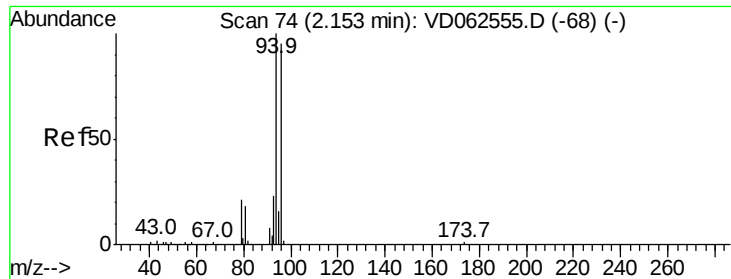
Tgt Ion: 62 Resp: 330852

Ion Ratio Lower Upper

62 100

64 32.0 26.5 39.7





#5

Bromomethane

Concen: 84.758 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

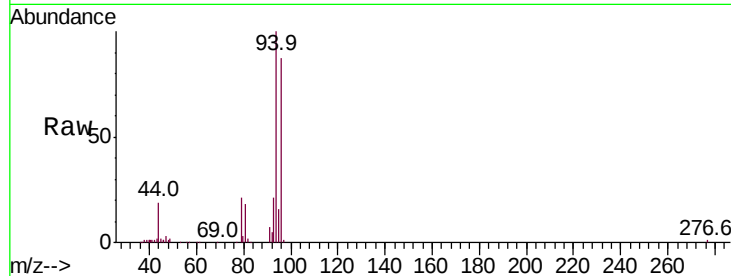
Tot Ion: 94 Resp: 187621

Ion Ratio Lower Upper

94 100

96 87.2 76.2 114.4

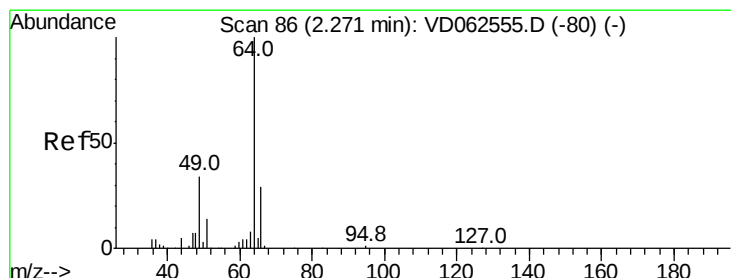
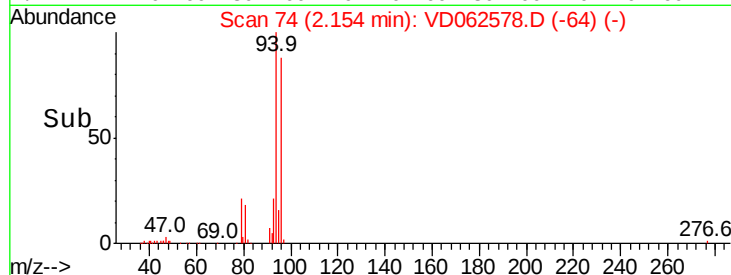
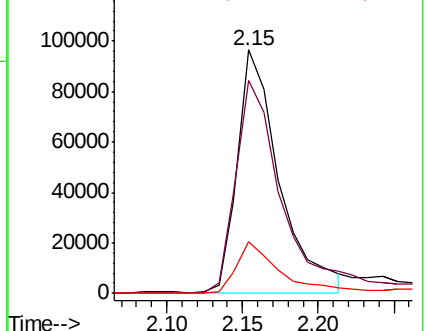
93 21.4 18.4 27.6



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: 51.699 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD062578.D

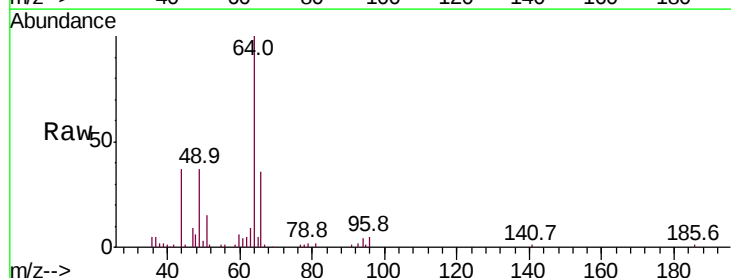
Acq: 31 May 2019 21:46

Tgt Ion: 64 Resp: 165255

Ion Ratio Lower Upper

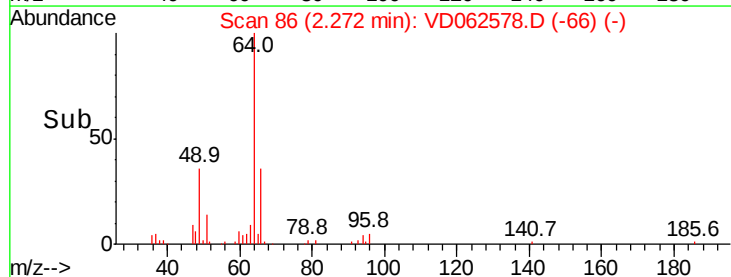
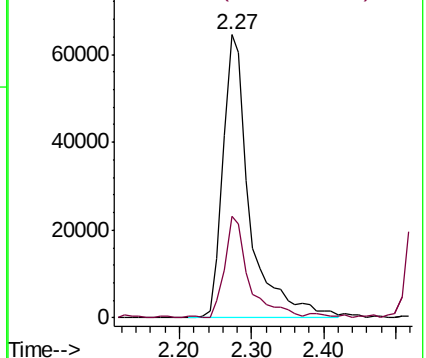
64 100

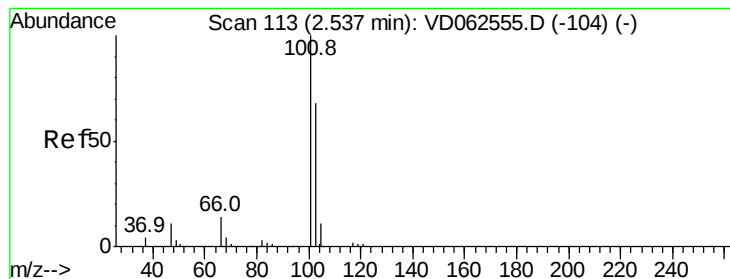
66 36.0 23.4 35.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



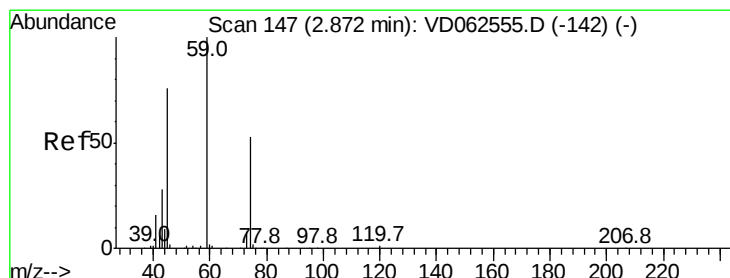
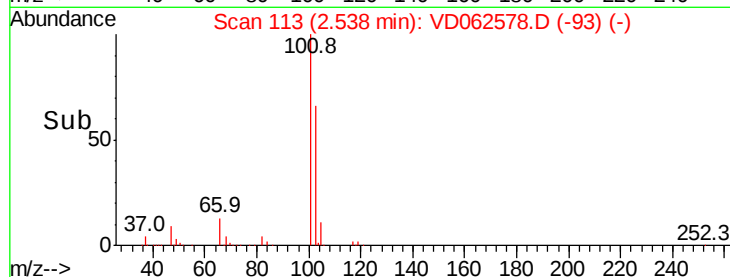
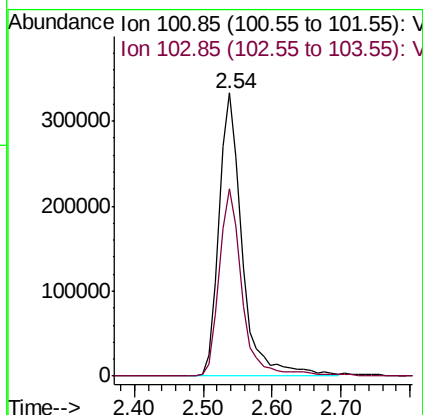
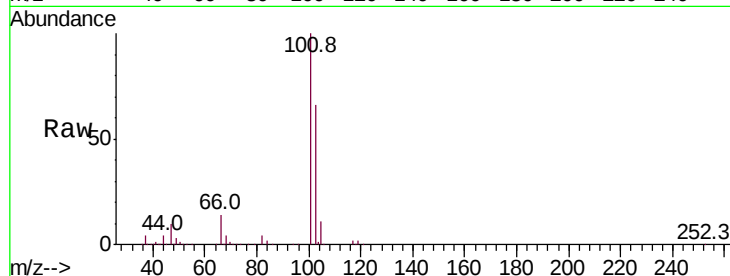


#7

Trichlorofluoromethane
Concen: 53.978 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

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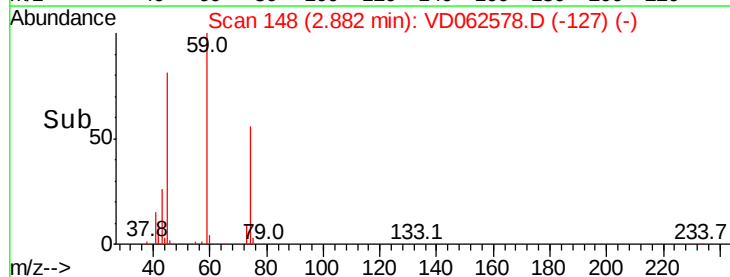
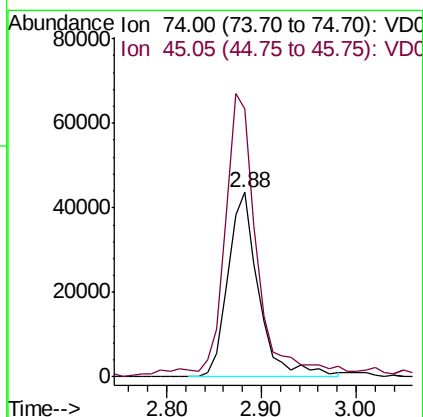
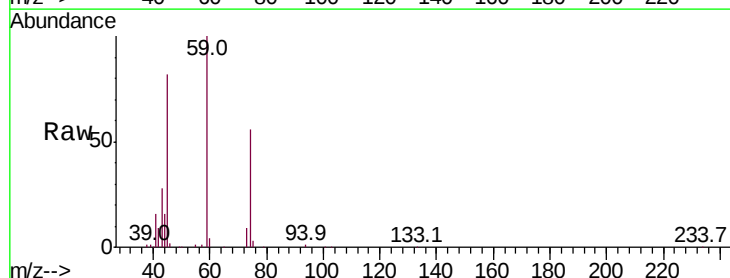
Tot Ion:101 Resp: 777565
Ion Ratio Lower Upper
101 100
103 66.0 54.3 81.5

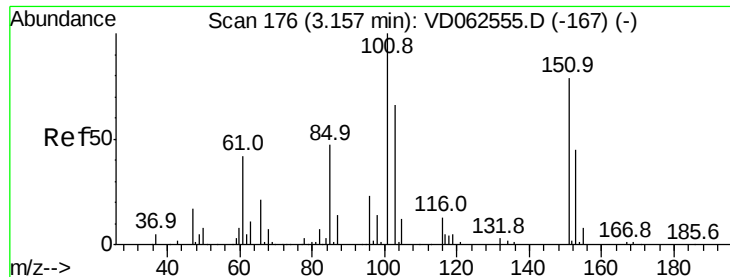


#8

Diethyl Ether
Concen: 53.280 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 74 Resp: 98457
Ion Ratio Lower Upper
74 100
45 145.1 71.9 215.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.863 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

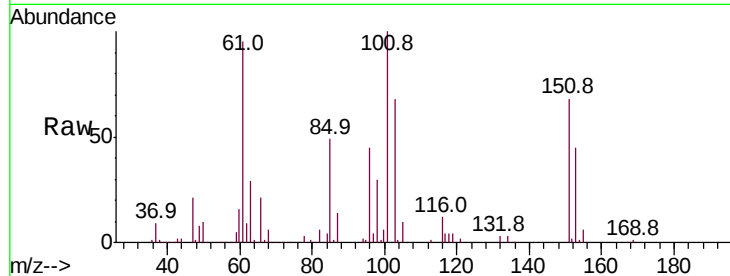
Tot Ion:101 Resp: 432670

Ion Ratio Lower Upper

101 100

85 48.7 37.6 56.4

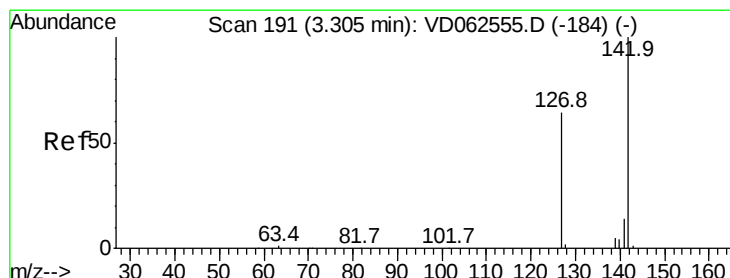
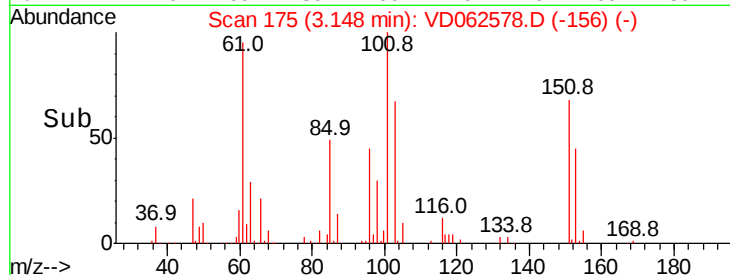
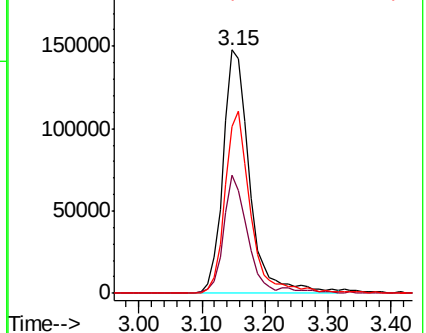
151 68.3 63.0 94.4



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: 44.606 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

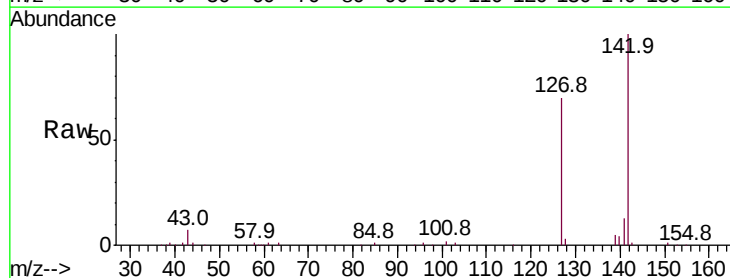
Tgt Ion:142 Resp: 430549

Ion Ratio Lower Upper

142 100

127 69.6 51.2 76.8

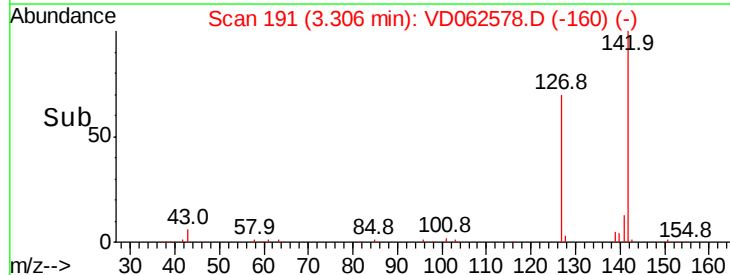
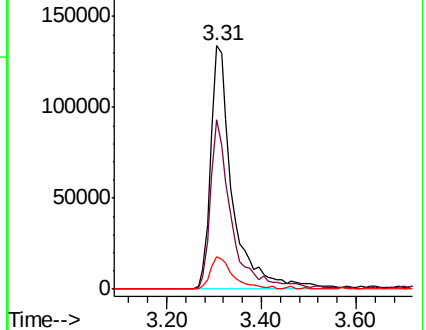
141 13.1 11.0 16.4

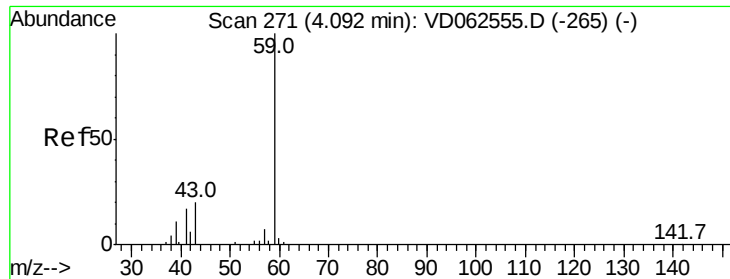


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



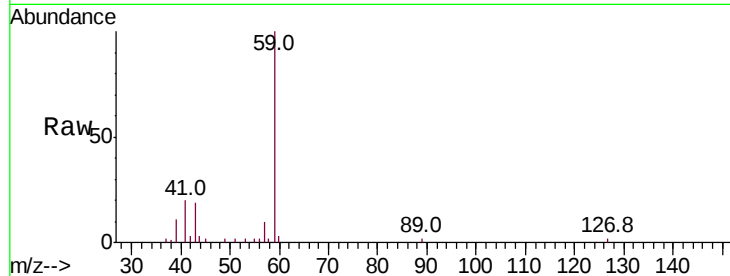


#11

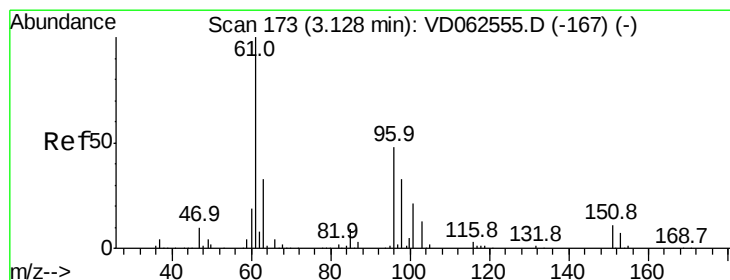
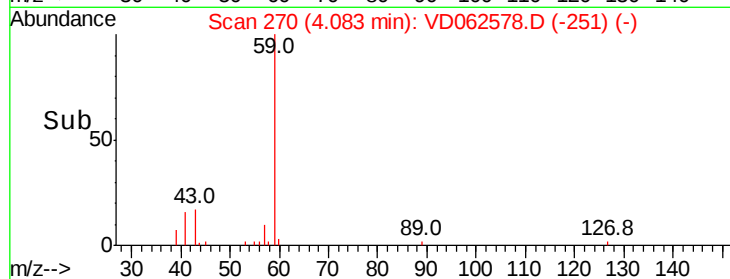
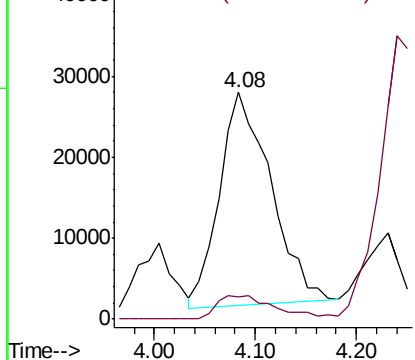
Tert butyl alcohol
Concen: 243.809 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 93814
Ion Ratio Lower Upper
59 100
57 9.7 5.4 8.0#



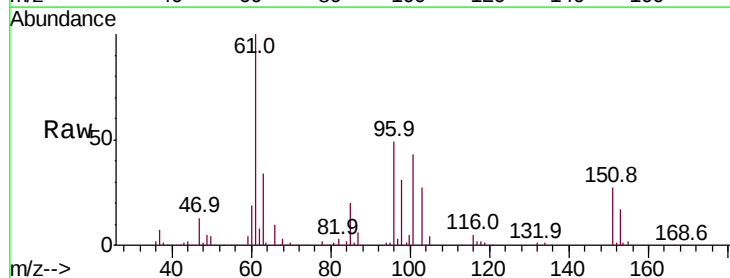
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



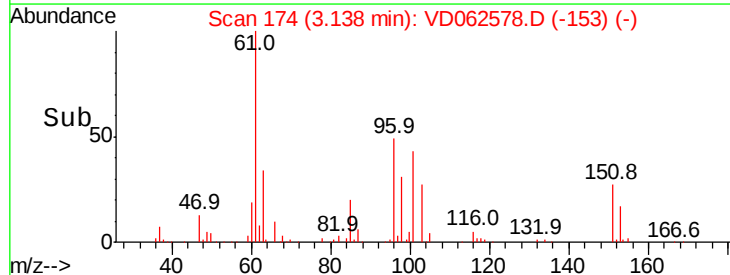
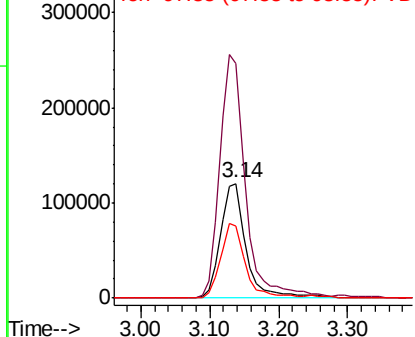
#12

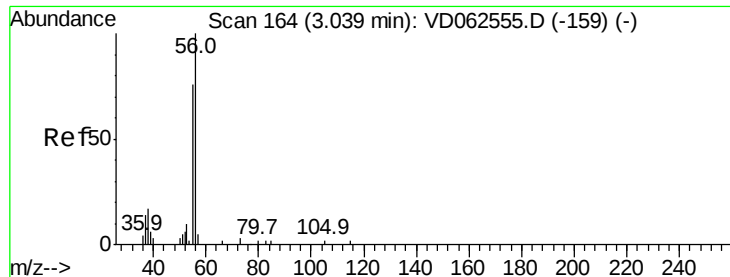
1,1-Dichloroethene
Concen: 51.872 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 96 Resp: 312151
Ion Ratio Lower Upper
96 100
61 205.2 166.6 250.0
98 63.4 54.4 81.6



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





#13

Acrolein

Concen: 229.342 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

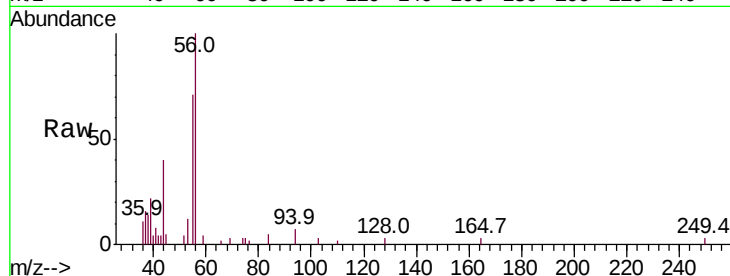
VSTDCCC050EC

Tot Ion: 56 Resp: 38451

Ion Ratio Lower Upper

56 100

55 71.3 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

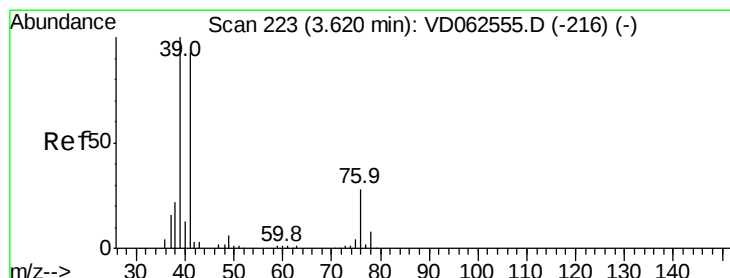
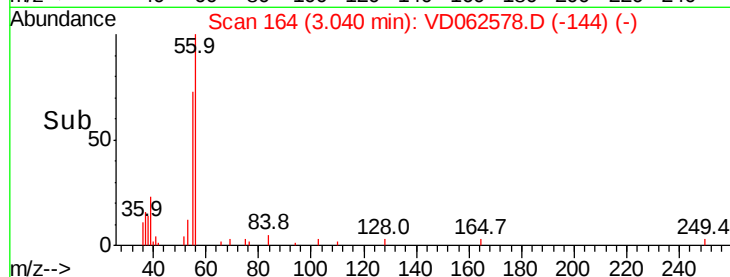
15000

10000

5000

0

Time--> 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 50.090 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

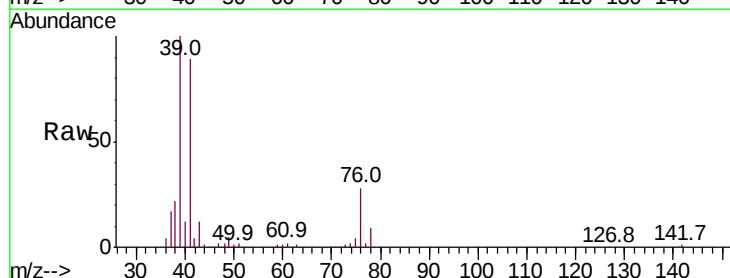
Tgt Ion: 41 Resp: 470851

Ion Ratio Lower Upper

41 100

39 112.5 86.3 129.5

76 31.2 25.5 38.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

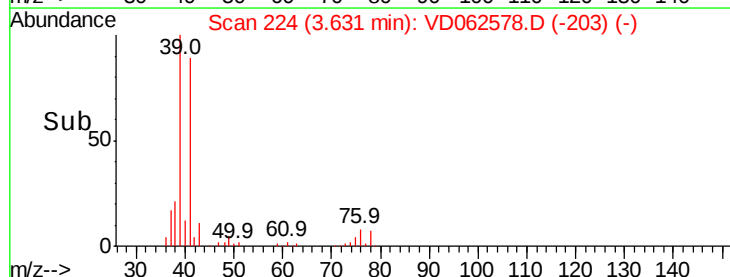
150000

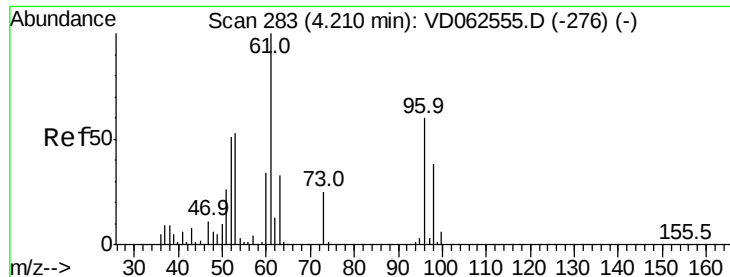
100000

50000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 255.216 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

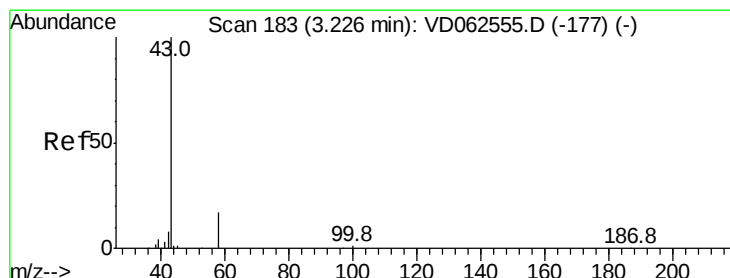
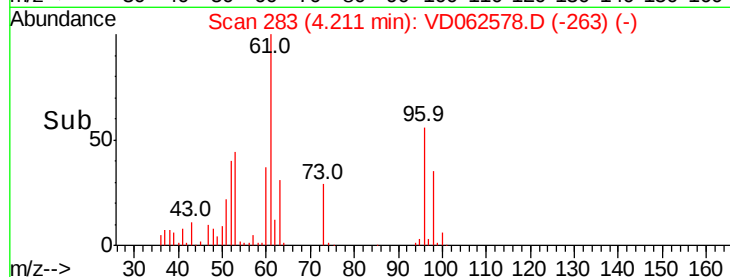
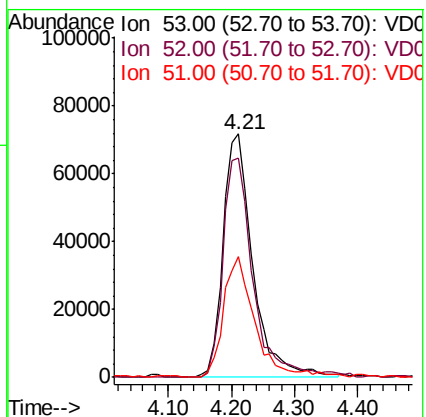
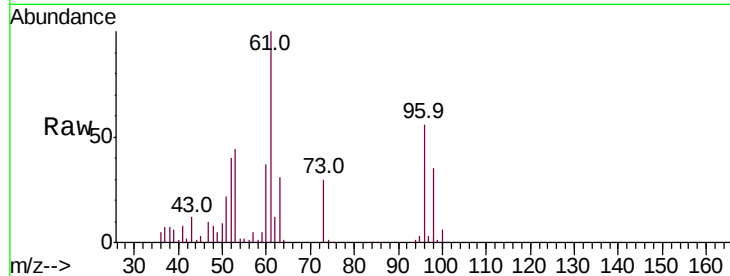
Tot Ion: 53 Resp: 234759

Ion Ratio Lower Upper

53 100

52 90.0 76.2 114.2

51 49.7 40.2 60.4



#16

Acetone

Concen: 239.881 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062578.D

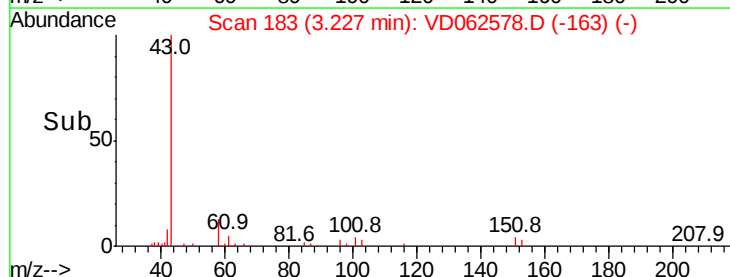
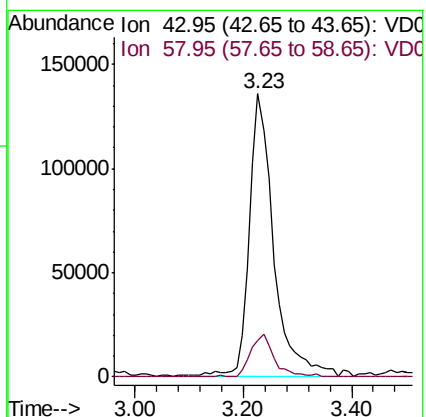
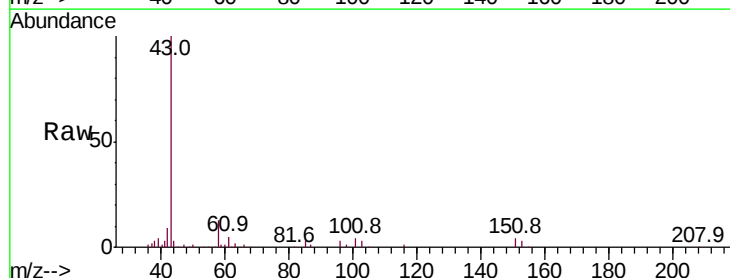
Acq: 31 May 2019 21:46

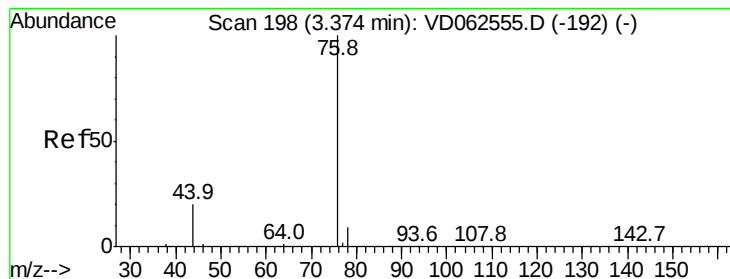
Tgt Ion: 43 Resp: 425194

Ion Ratio Lower Upper

43 100

58 12.8 13.8 20.8#





#17

Carbon Disulfide

Concen: 47.352 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

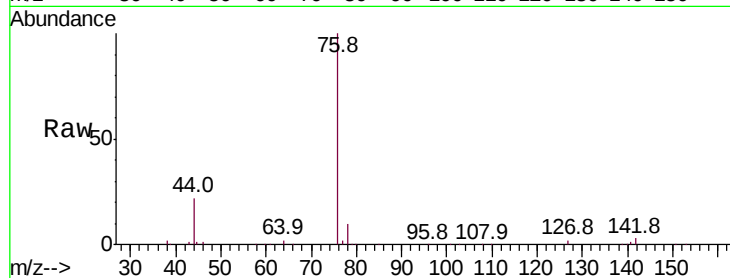
VSTDCCC050EC

Tot Ion: 76 Resp: 926254

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

400000

300000

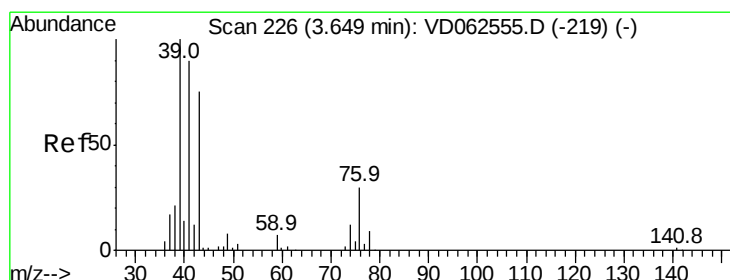
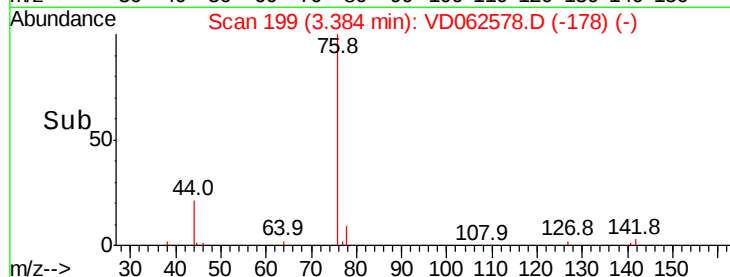
200000

100000

0

Time-->

3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 48.999 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062578.D

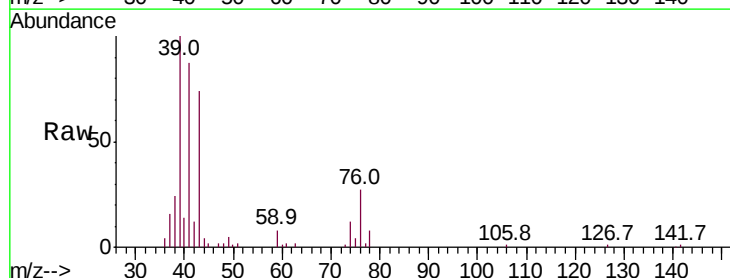
Acq: 31 May 2019 21:46

Tgt Ion: 43 Resp: 141756

Ion Ratio Lower Upper

43 100

74 16.2 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

60000

50000

40000

30000

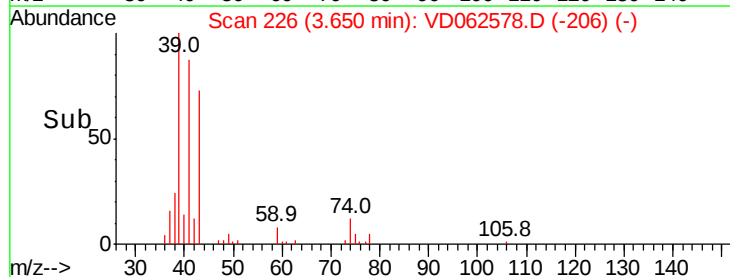
20000

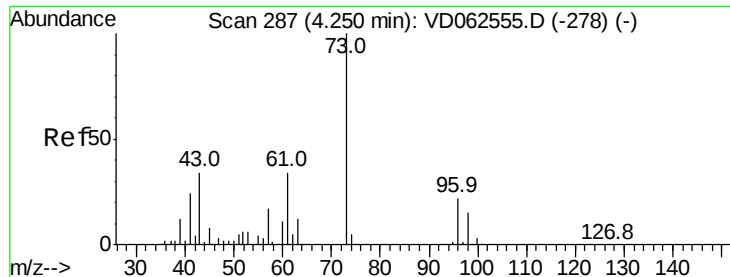
10000

0

Time-->

3.50 3.60 3.70

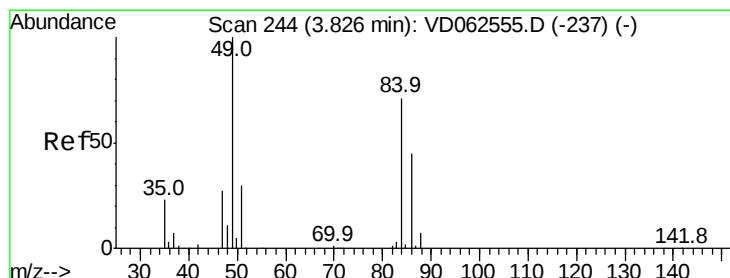
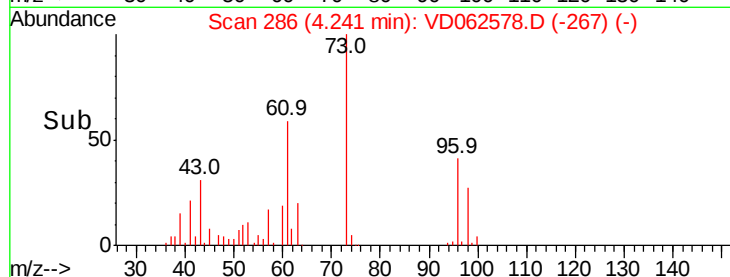
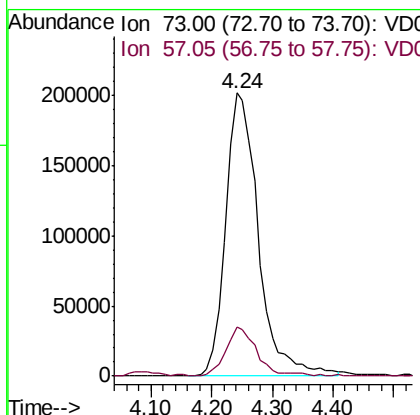
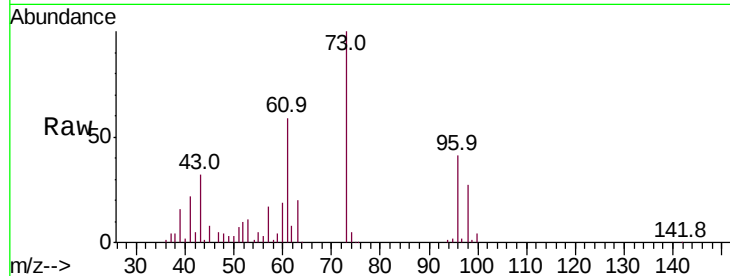




#19
Methyl tert-butyl Ether
Concen: 51.883 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

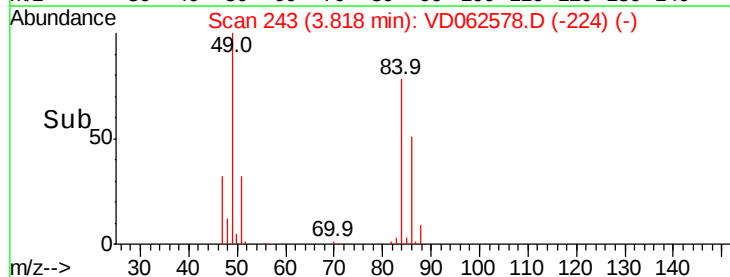
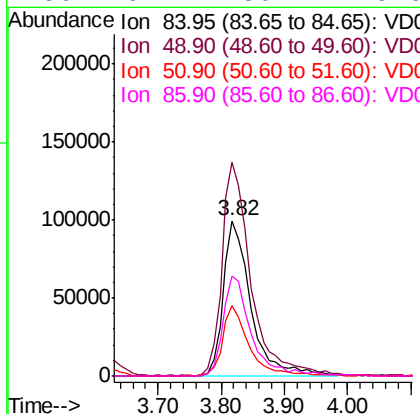
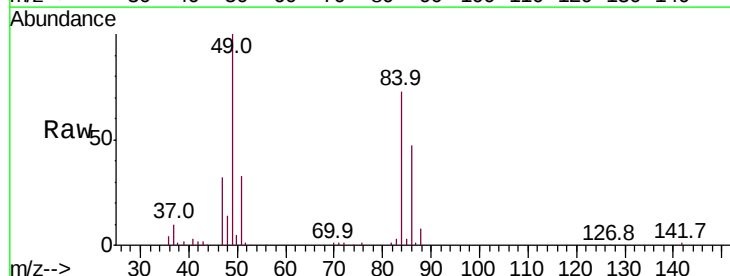
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

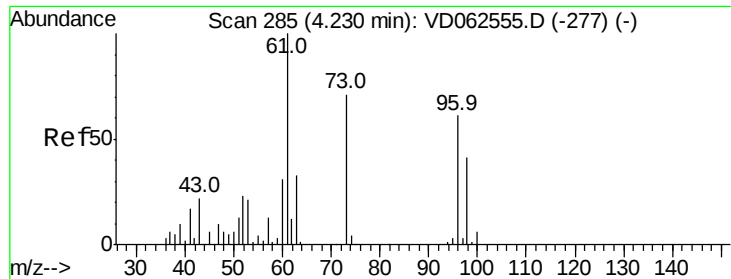
Tot Ion: 73 Resp: 756331
Ion Ratio Lower Upper
73 100
57 17.3 13.8 20.8



#20
Methylene Chloride
Concen: 46.091 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 84 Resp: 302422
Ion Ratio Lower Upper
84 100
49 137.7 112.3 168.5
51 45.2 33.6 50.4
86 64.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 51.104 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

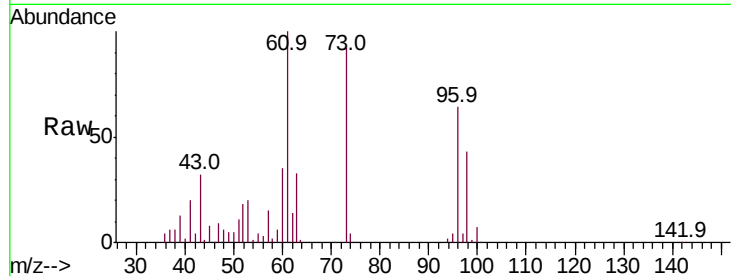
Tot Ion: 96 Resp: 348997

Ion Ratio Lower Upper

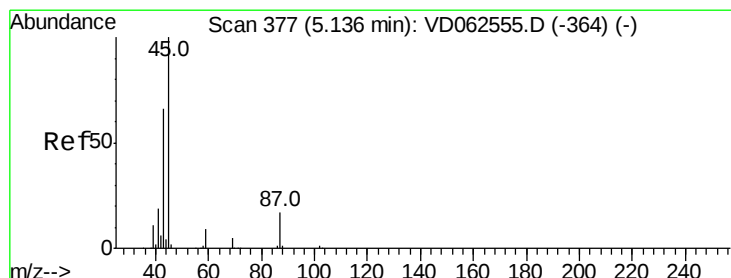
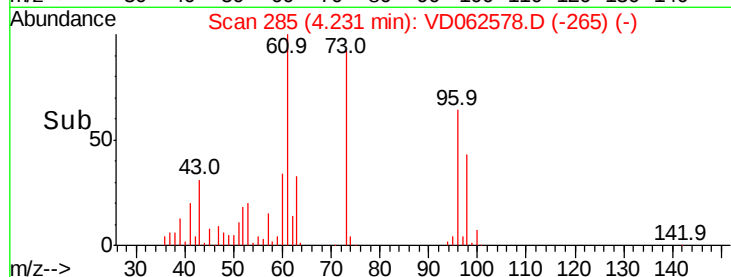
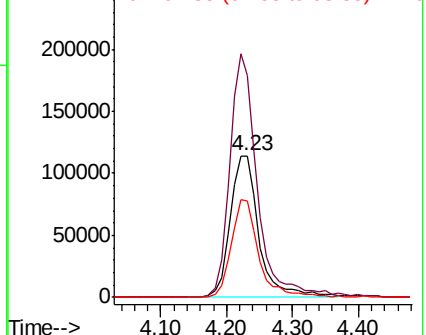
96 100

61 156.4 131.1 196.7

98 67.9 54.2 81.4



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: 51.770 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Tgt Ion: 45 Resp: 994161

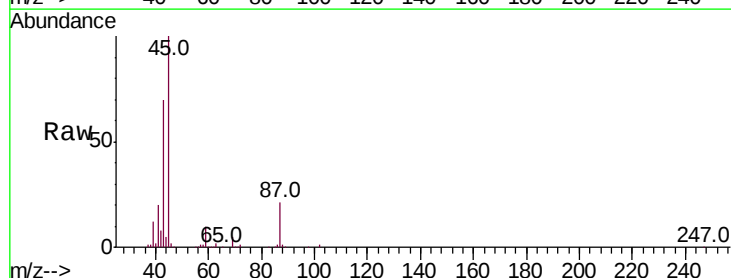
Ion Ratio Lower Upper

45 100

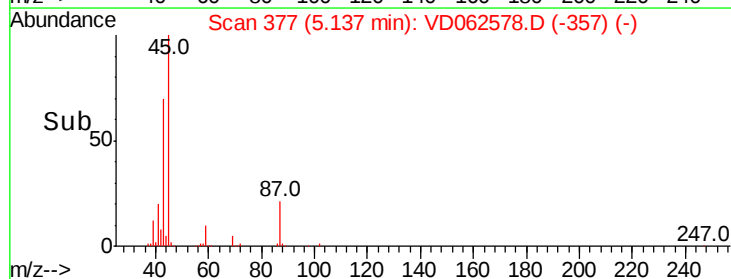
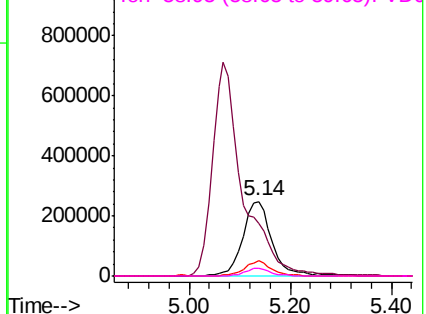
43 70.1 53.6 80.4

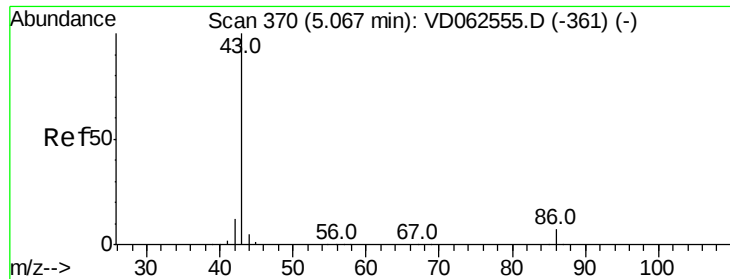
87 21.0 14.2 21.4

59 10.4 7.3 10.9



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: 254.384 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

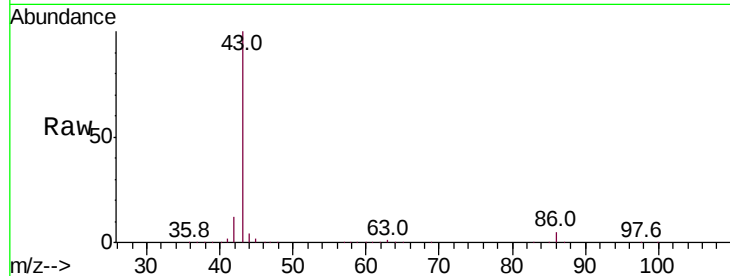
VSTDCCC050EC

Tot Ion: 43 Resp: 2962504

Ion Ratio Lower Upper

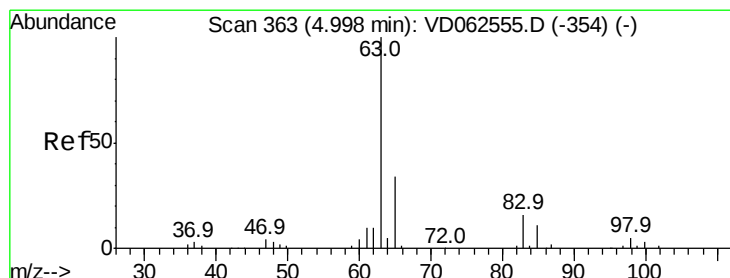
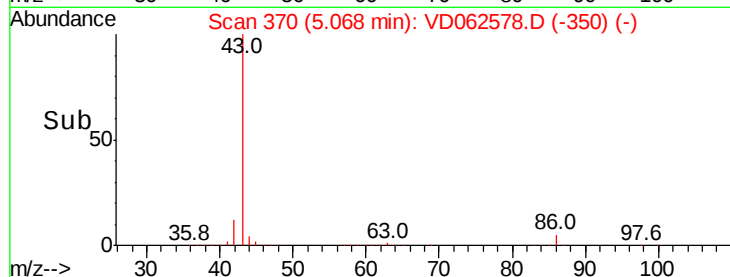
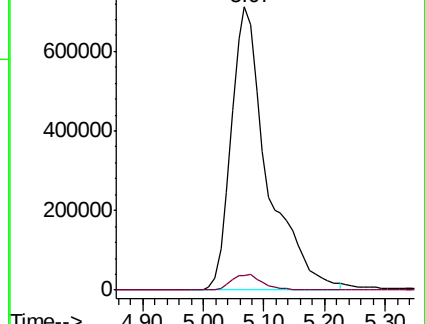
43 100

86 5.3 5.5 8.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.465 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

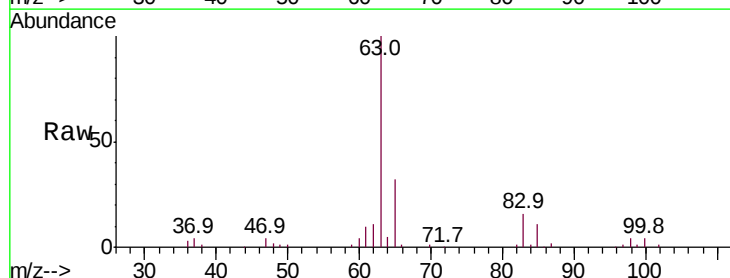
Tgt Ion: 63 Resp: 625391

Ion Ratio Lower Upper

63 100

98 3.7 2.5 7.5

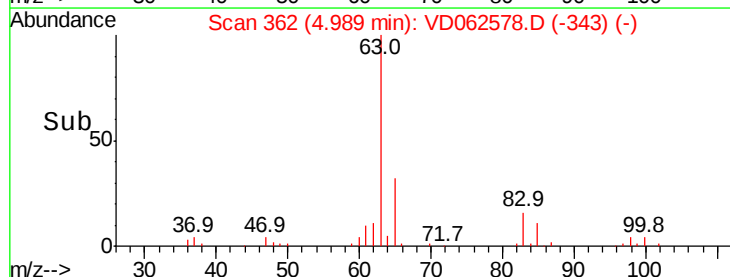
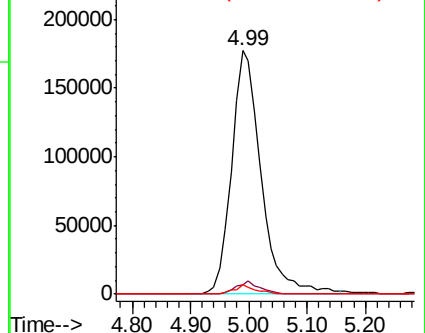
100 3.7 1.6 4.7

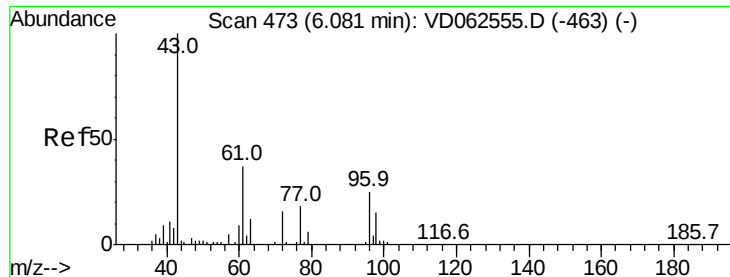


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 249.406 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

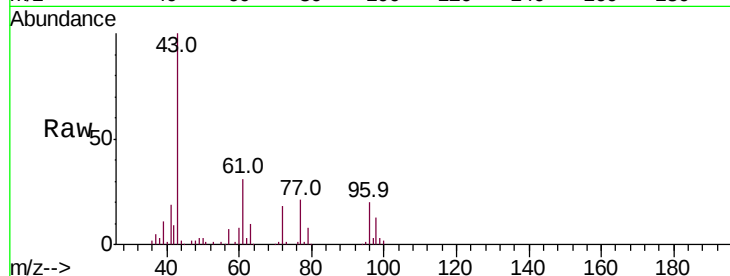
VSTDCCC050EC

Tot Ion: 43 Resp: 416347

Ion Ratio Lower Upper

43 100

72 18.0 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

50000

0

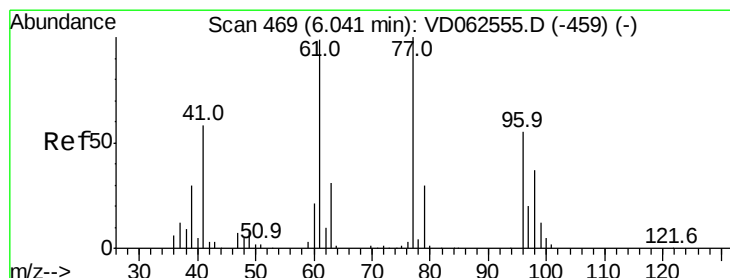
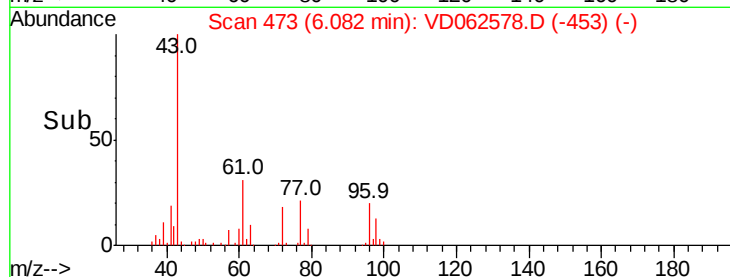
6.08

6.00

6.10

6.20

Time-->



#26

2,2-Dichloropropane

Concen: 49.803 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062578.D

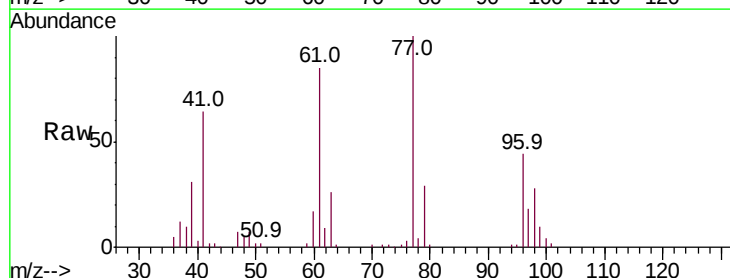
Acq: 31 May 2019 21:46

Tgt Ion: 77 Resp: 684695

Ion Ratio Lower Upper

77 100

97 18.4 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

100000

50000

0

6.03

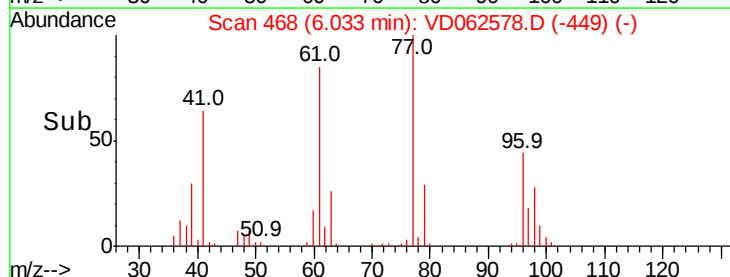
5.90

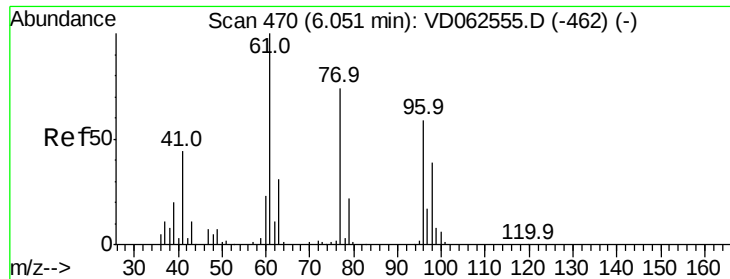
6.00

6.10

6.20

Time-->



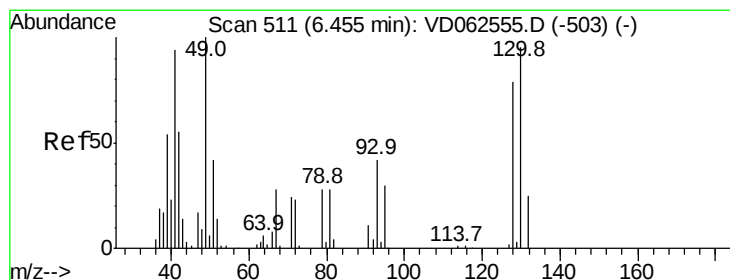
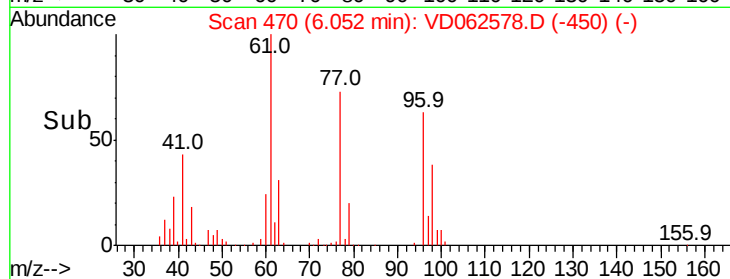
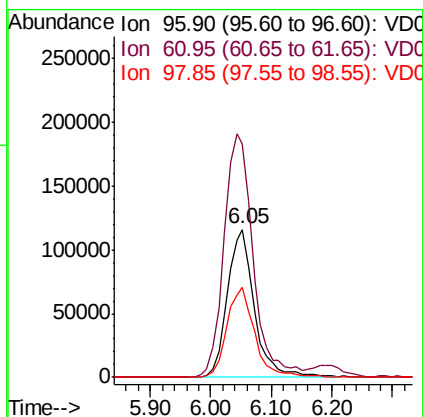
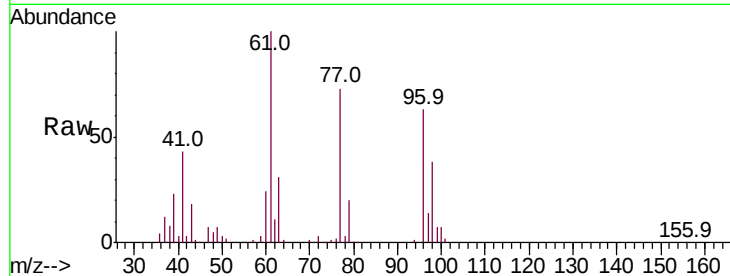


#27

cis-1,2-Dichloroethene
Concen: 51.171 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

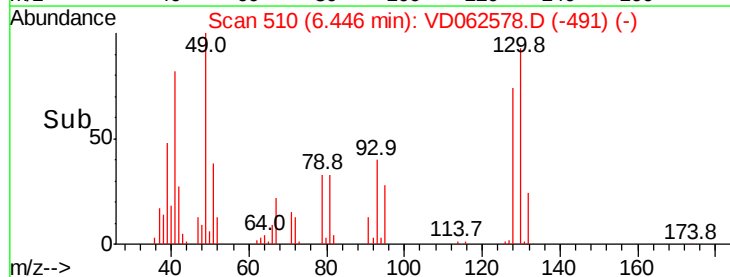
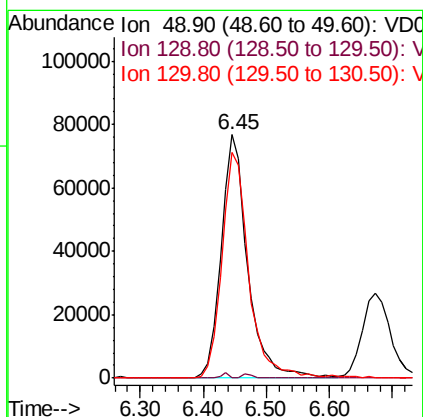
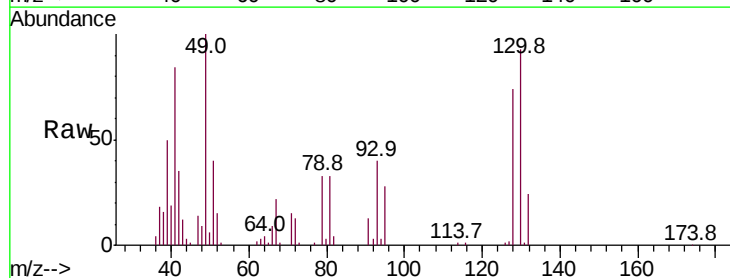
Tot Ion: 96 Resp: 359208
Ion Ratio Lower Upper
96 100
61 157.9 0.0 342.4
98 60.8 0.0 134.6

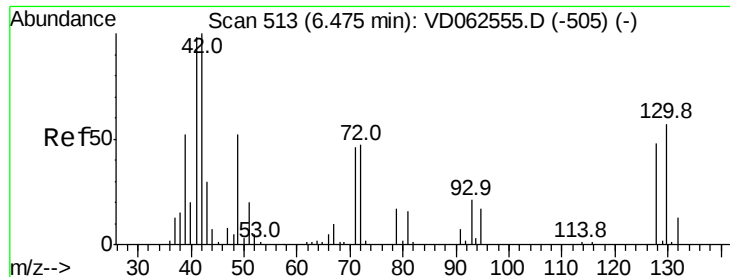


#28

Bromochloromethane
Concen: 52.355 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 49 Resp: 224195
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 92.7 75.8 113.8





#29

Tetrahydrofuran

Concen: 263.783 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

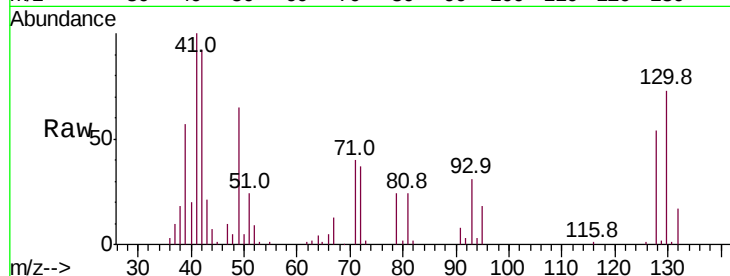
Tot Ion: 42 Resp: 197253

Ion Ratio Lower Upper

42 100

72 41.4 34.5 51.7

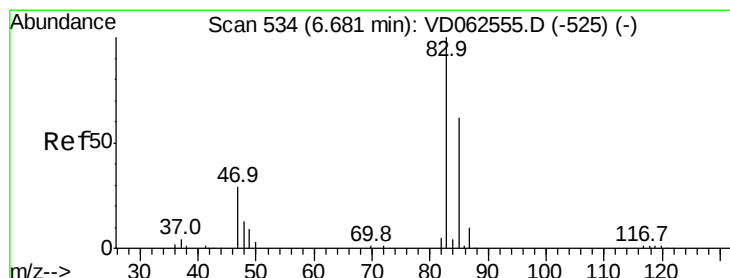
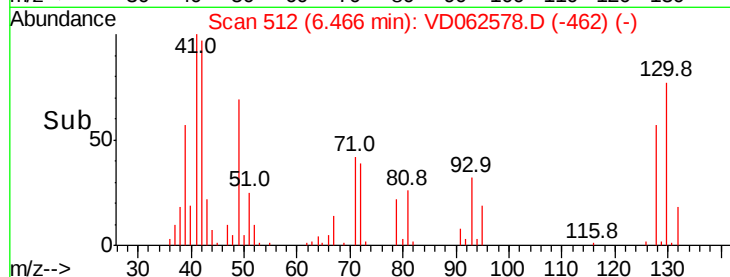
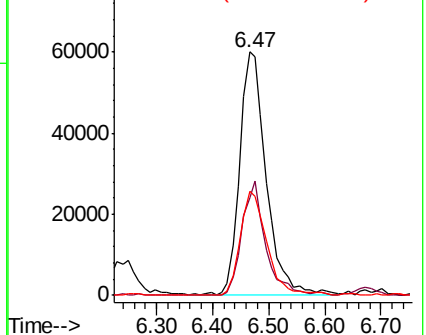
71 42.9 33.0 49.6



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: 52.427 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062578.D

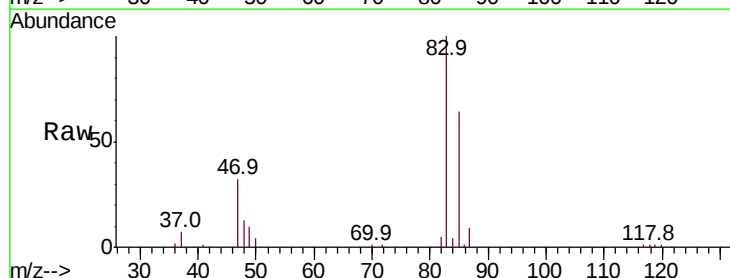
Acq: 31 May 2019 21:46

Tgt Ion: 83 Resp: 782899

Ion Ratio Lower Upper

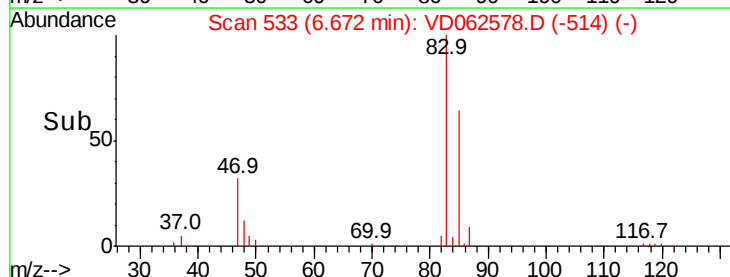
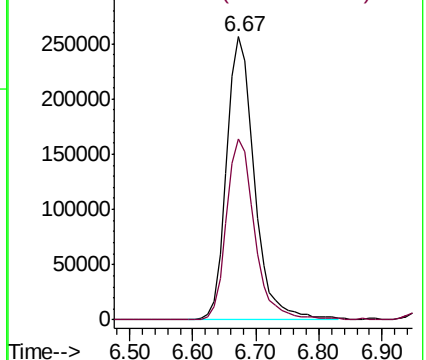
83 100

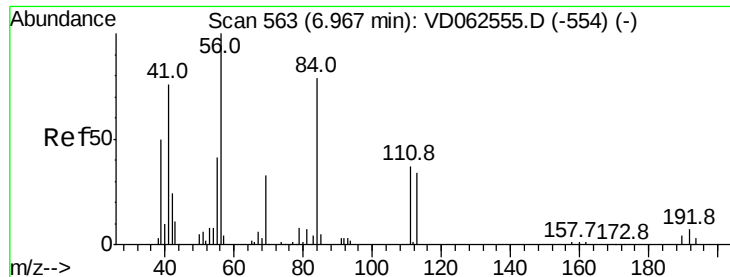
85 64.1 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 50.023 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

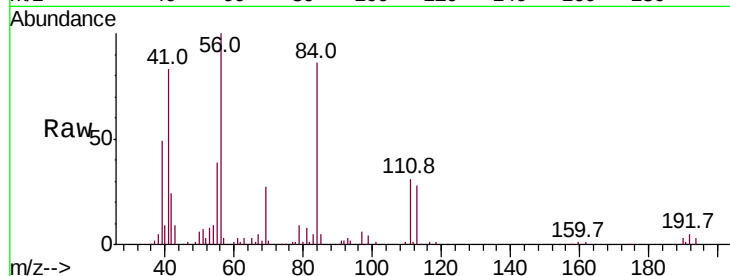
Tot Ion: 56 Resp: 419123

Ion Ratio Lower Upper

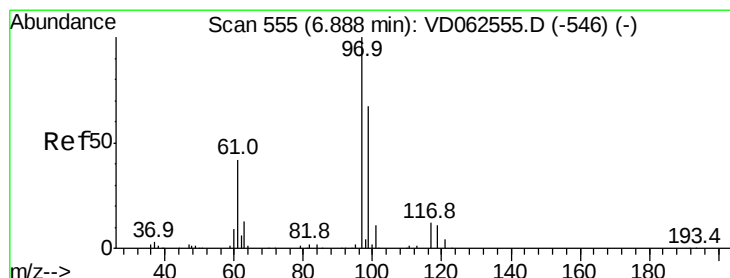
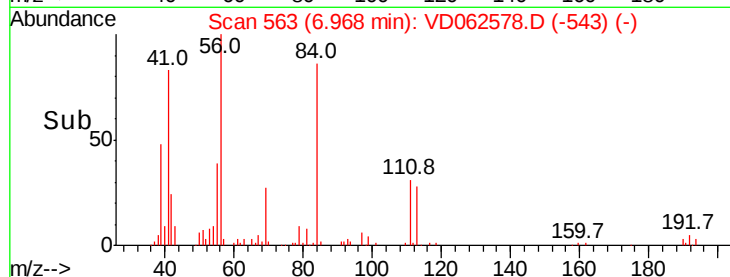
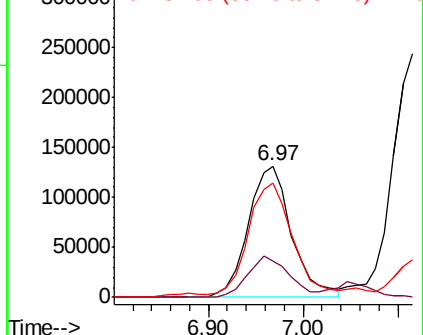
56 100

69 27.2 26.2 39.2

84 86.5 65.2 97.8



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: 54.524 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

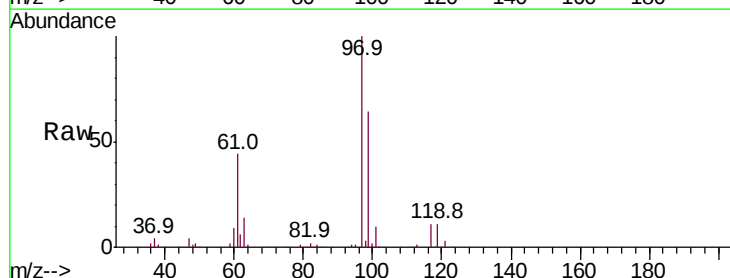
Tgt Ion: 97 Resp: 847369

Ion Ratio Lower Upper

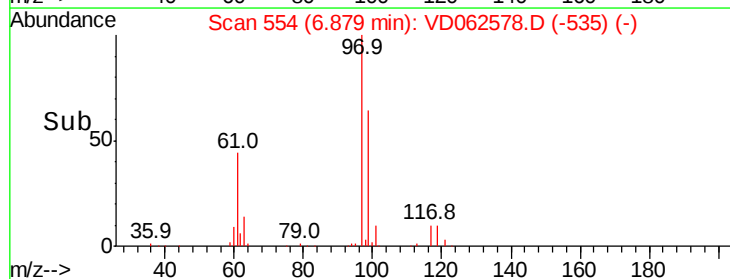
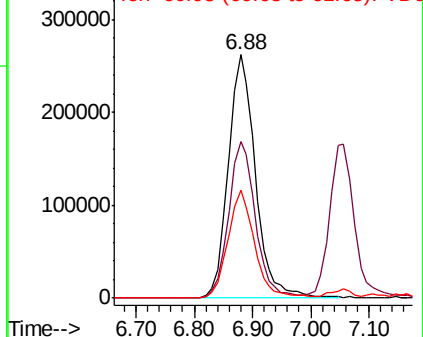
97 100

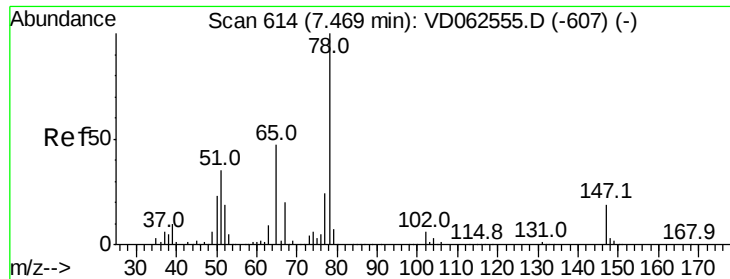
99 64.5 53.6 80.4

61 44.5 33.9 50.9



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





#33

1,2-Dichloroethane-d4

Concen: 56.576 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

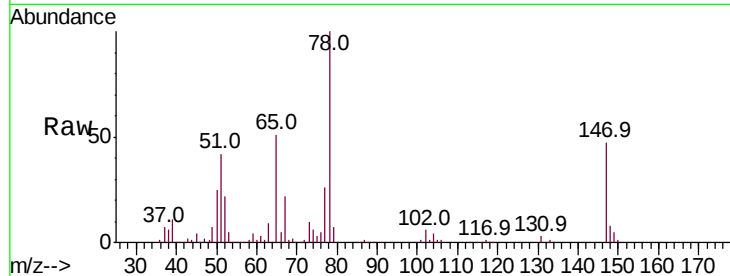
VSTDCCC050EC

Tot Ion: 65 Resp: 510392

Ion Ratio Lower Upper

65 100

67 43.1 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

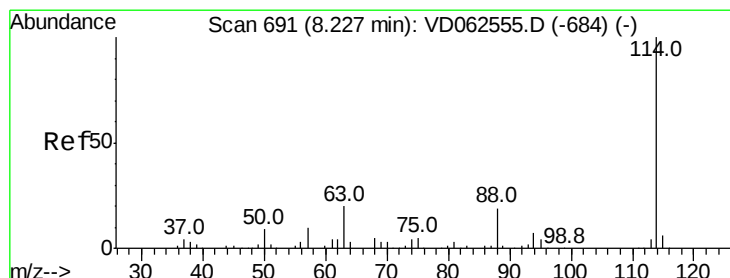
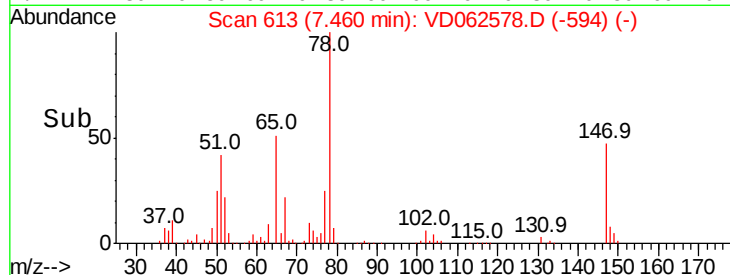
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

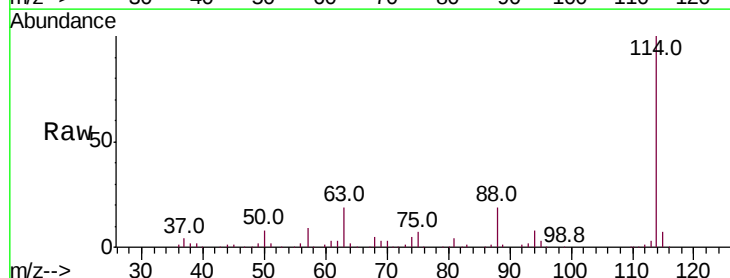
Tgt Ion:114 Resp: 982310

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

88 18.9 0.0 37.6



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

500000

400000

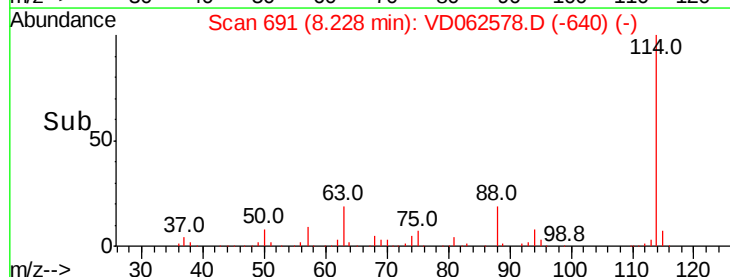
300000

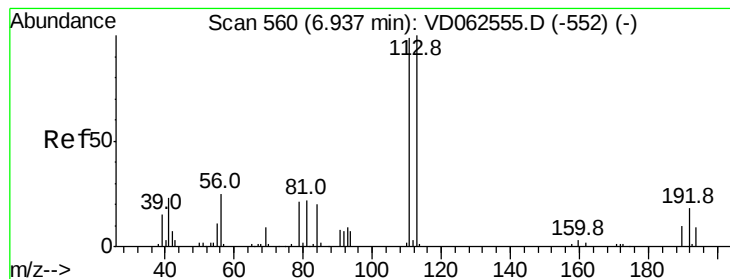
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 57.092 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

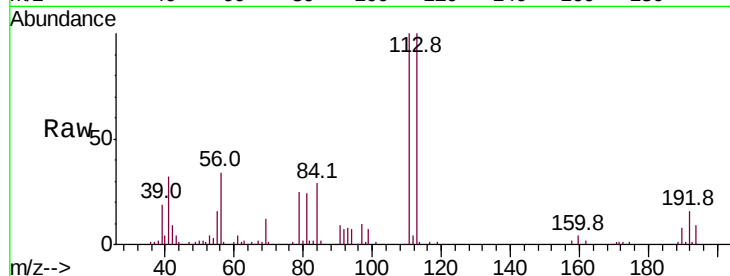
Tot Ion:113 Resp: 511052

Ion Ratio Lower Upper

113 100

111 100.3 78.8 118.2

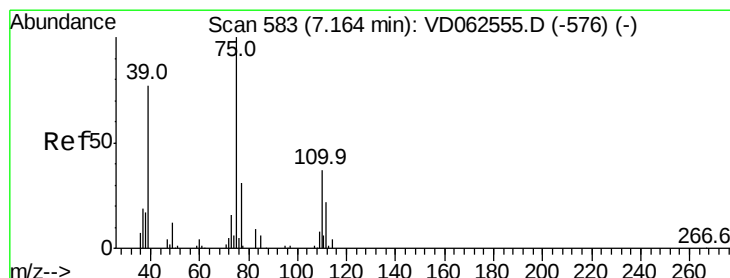
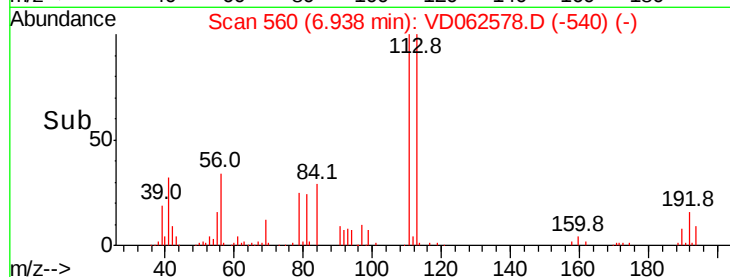
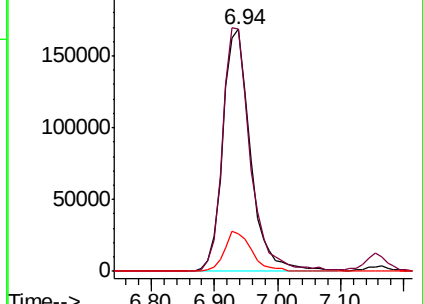
192 15.6 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 55.758 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

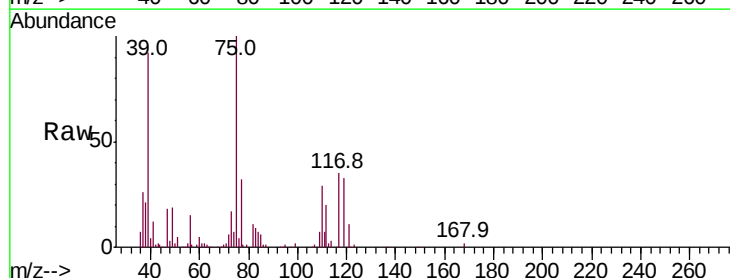
Tgt Ion: 75 Resp: 545237

Ion Ratio Lower Upper

75 100

110 28.6 18.3 54.8

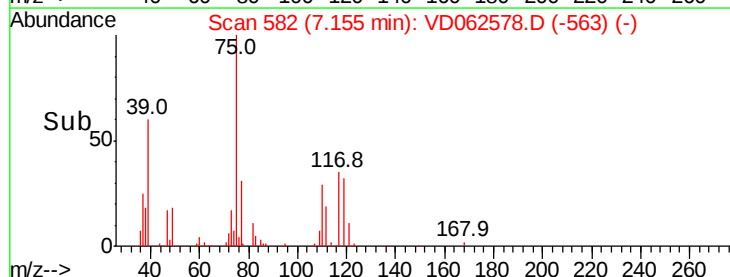
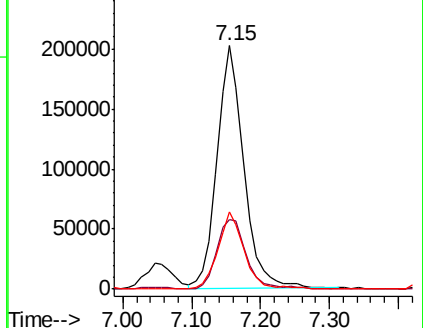
77 31.6 24.4 36.6

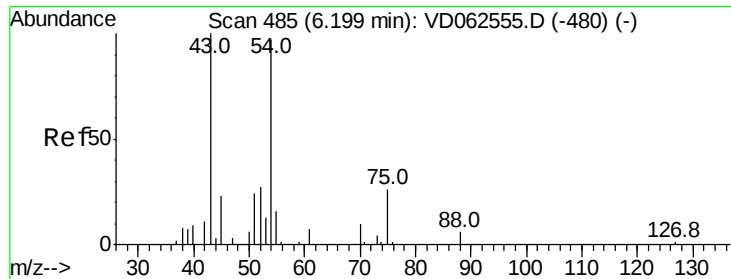


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

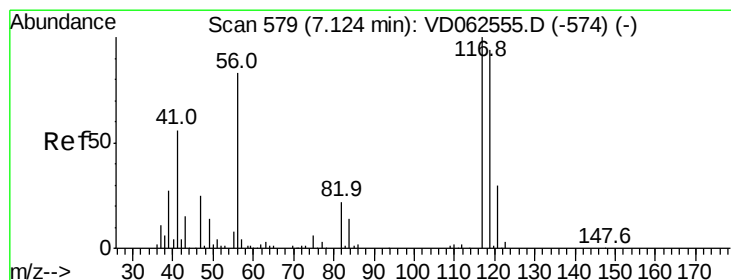
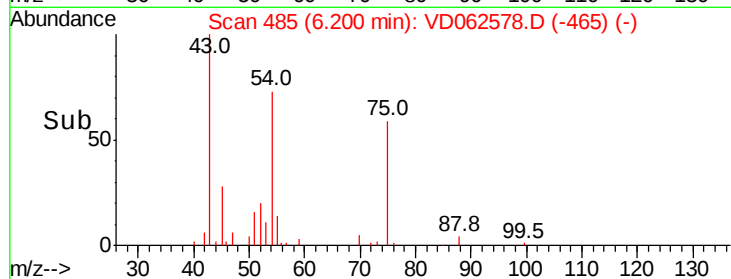
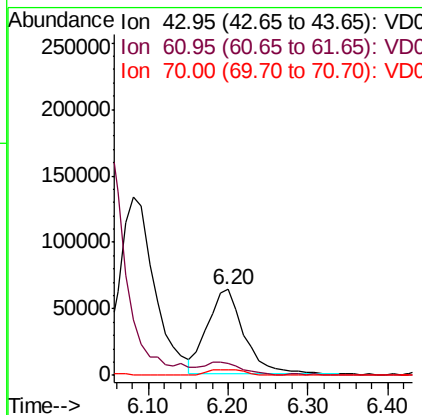
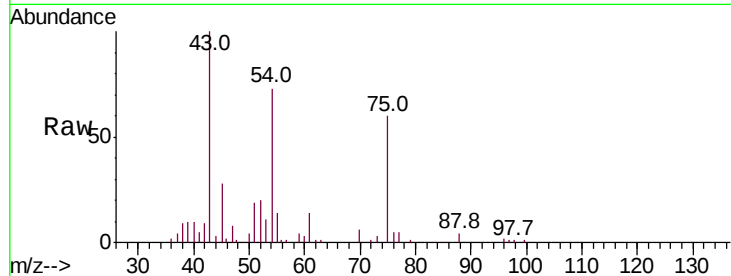




#37
Ethyl Acetate
Concen: 49.896 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

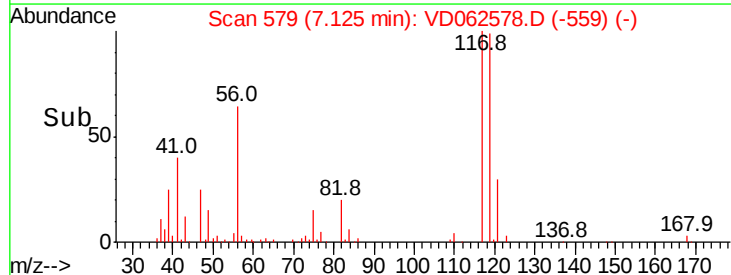
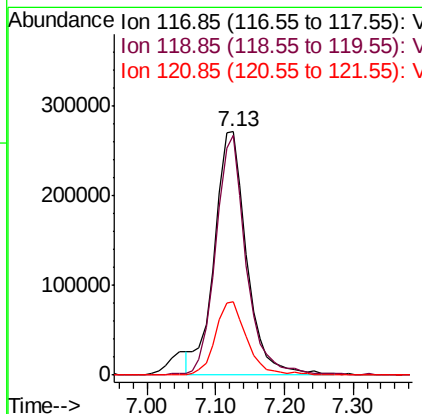
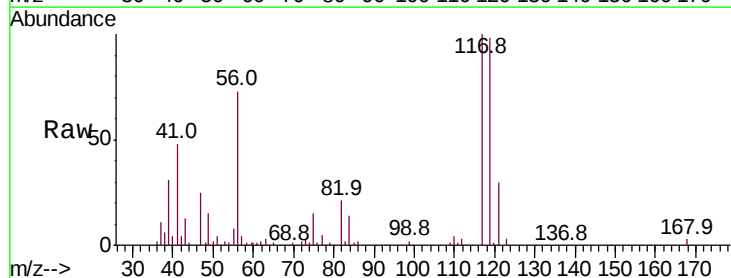
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

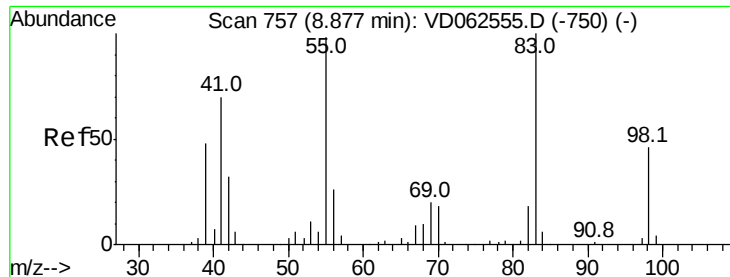
Tot Ion: 43 Resp: 205699
Ion Ratio Lower Upper
43 100
61 13.9 9.8 14.8
70 6.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 61.016 ug/l m
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 117 Resp: 888302
Ion Ratio Lower Upper
117 100
119 98.3 71.4 107.2
121 30.2 22.5 33.7

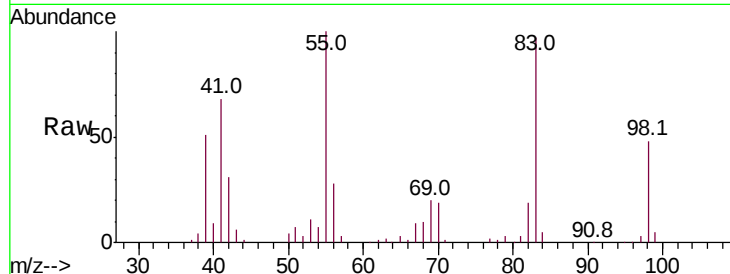




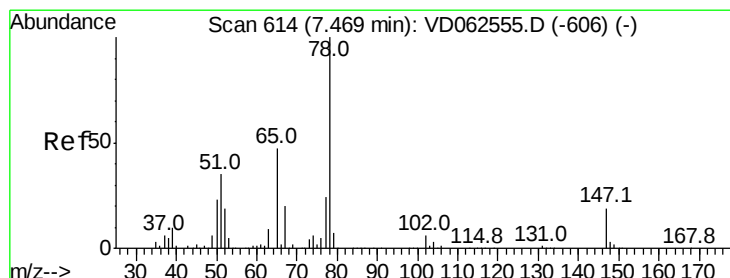
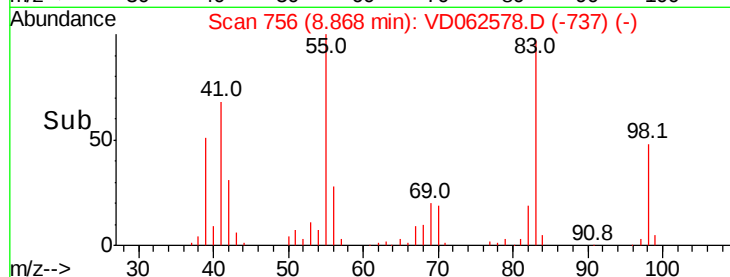
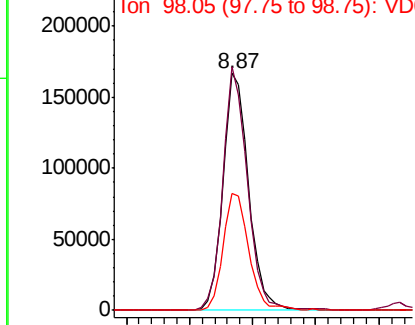
#39
Methvlcvclohexane
Concen: 56.786 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 470129
Ion Ratio Lower Upper
83 100
55 102.8 78.7 118.1
98 49.1 37.2 55.8

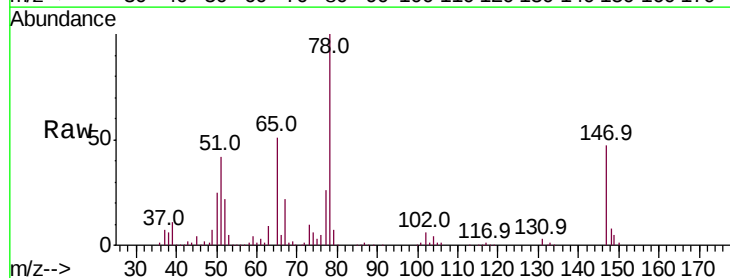


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

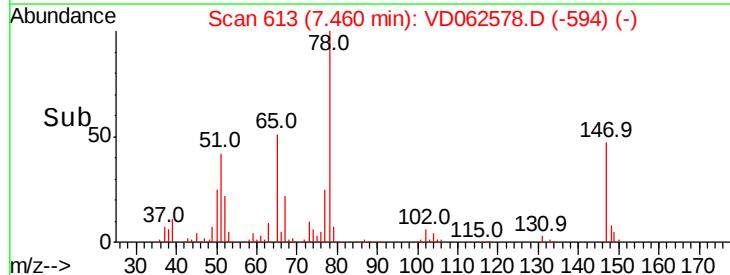
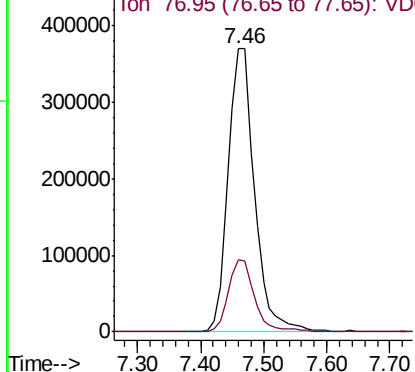


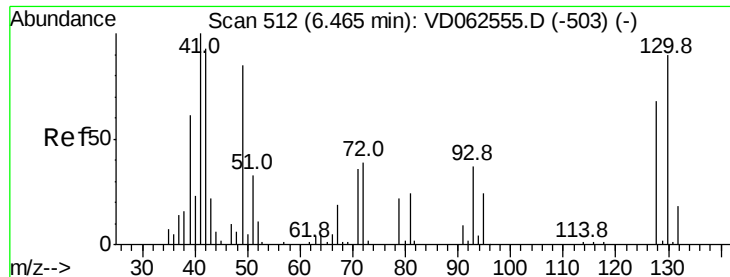
#40
Benzene
Concen: 55.683 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 78 Resp: 1068689
Ion Ratio Lower Upper
78 100
77 25.6 19.1 28.7



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





#41

Methacrylonitrile

Concen: 56.969 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 276372

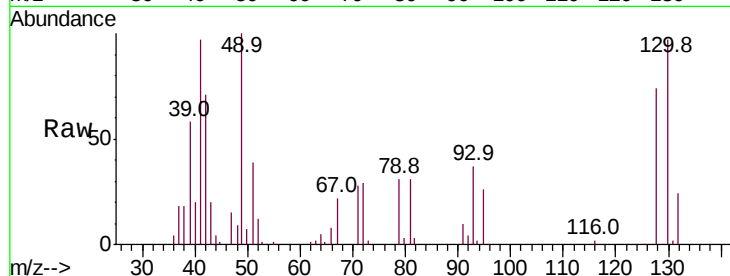
Ion Ratio Lower Upper

41 100

39 60.2 49.0 73.6

67 23.1 15.5 23.3

52 12.8 8.9 13.3

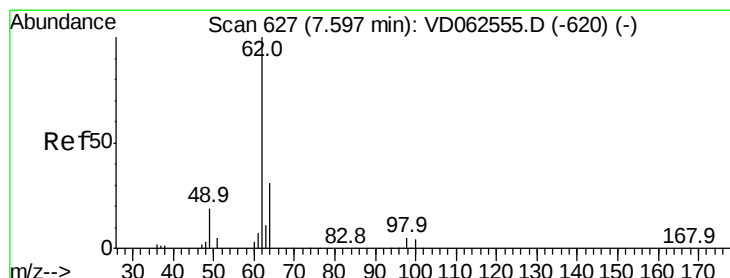
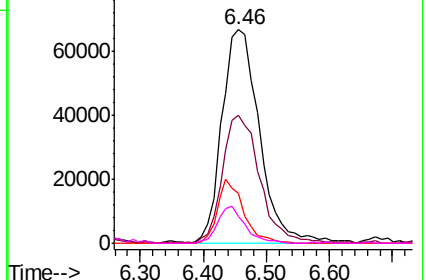
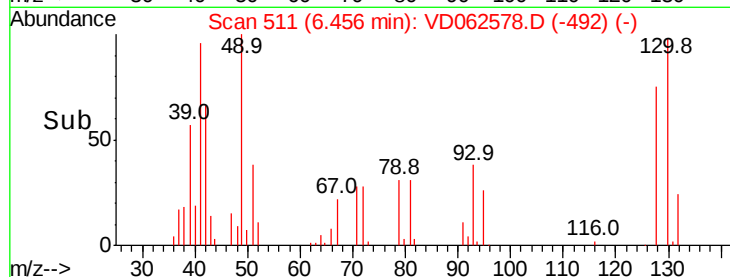


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 55.771 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062578.D

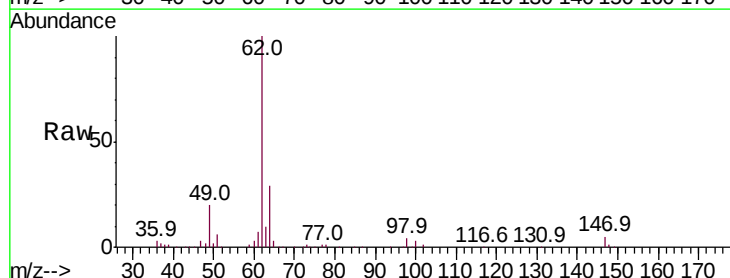
Acq: 31 May 2019 21:46

Tgt Ion: 62 Resp: 596223

Ion Ratio Lower Upper

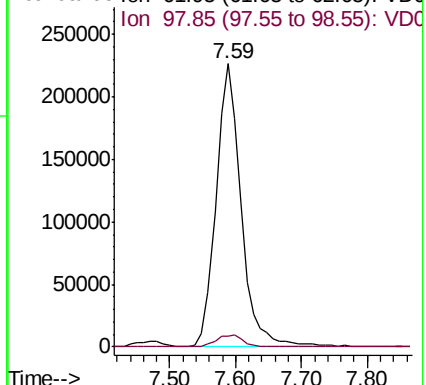
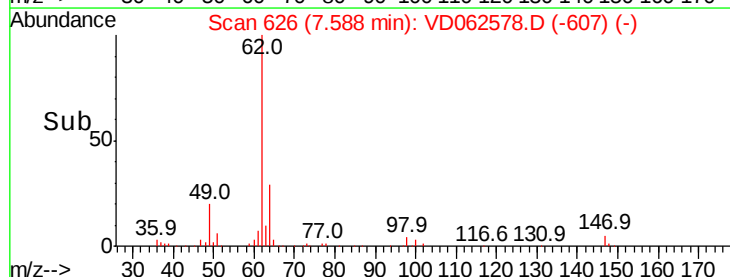
62 100

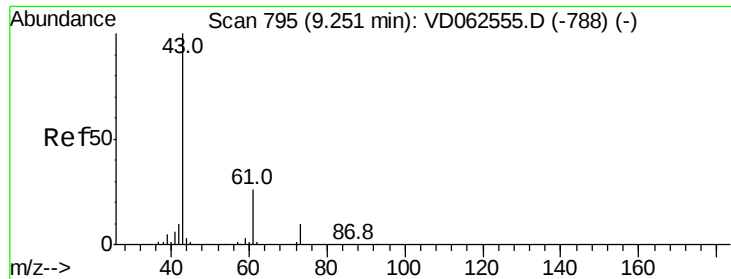
98 3.9 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.152 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

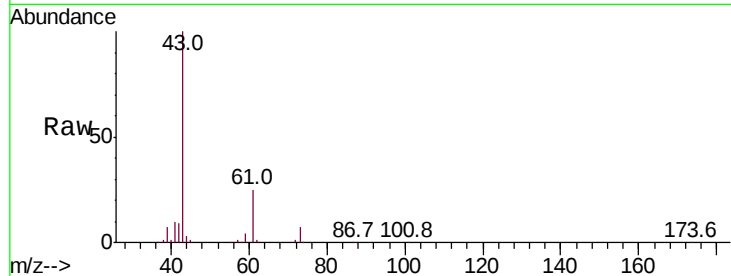
Tot Ion: 43 Resp: 288111

Ion Ratio Lower Upper

43 100

61 24.5 20.5 30.7

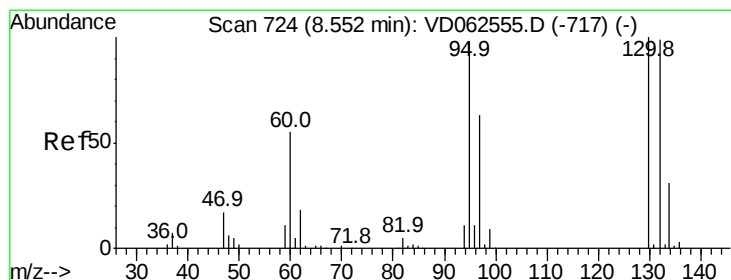
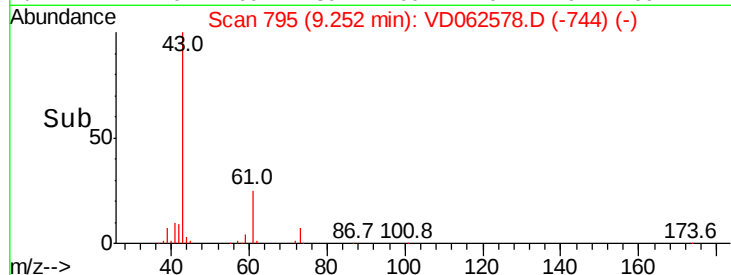
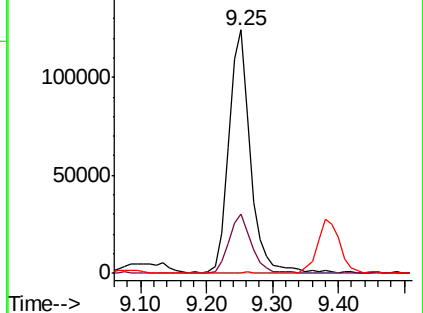
87 0.3 0.2 0.2#



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: 54.076 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD062578.D

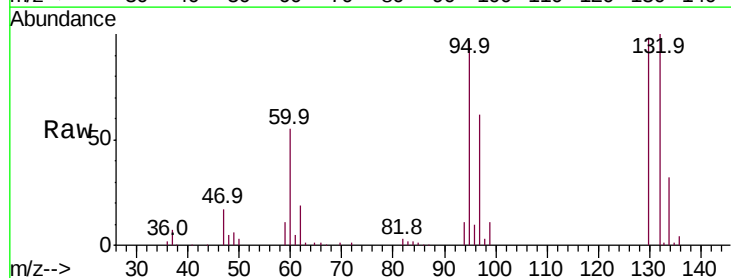
Acq: 31 May 2019 21:46

Tgt Ion:130 Resp: 414617

Ion Ratio Lower Upper

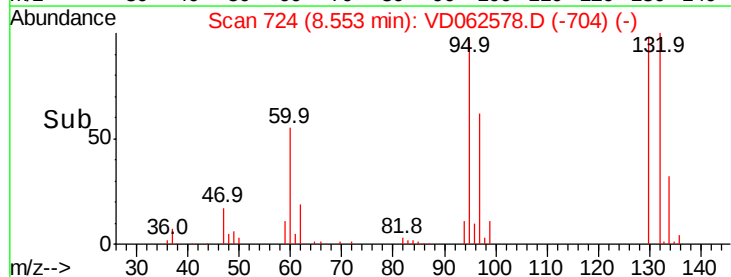
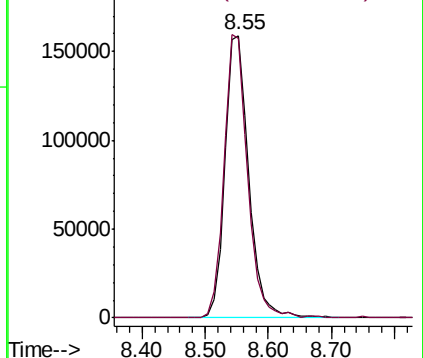
130 100

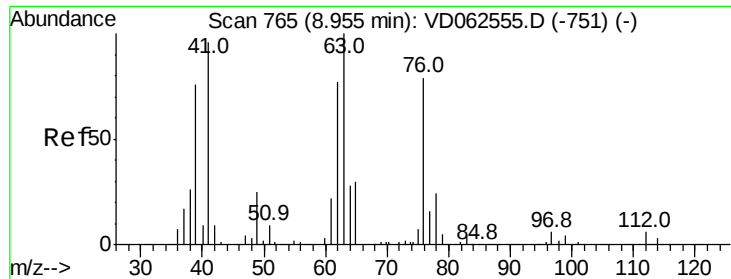
95 98.9 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.699 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

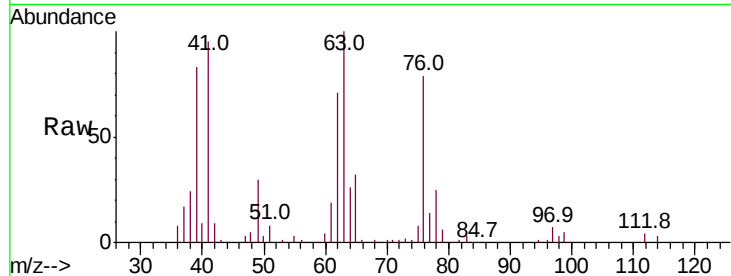
VSTDCCC050EC

Tot Ion: 63 Resp: 252671

Ion Ratio Lower Upper

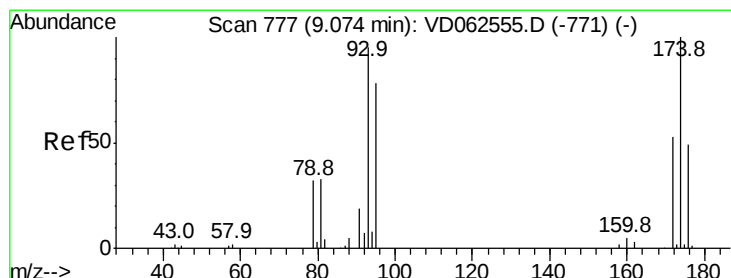
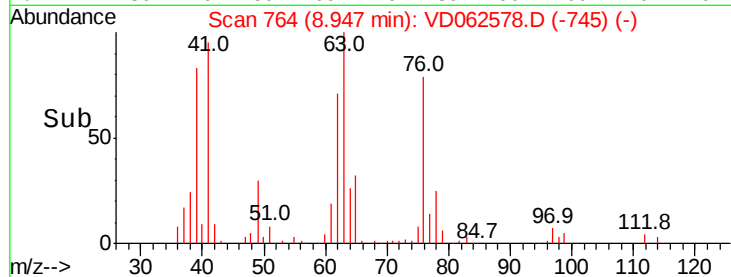
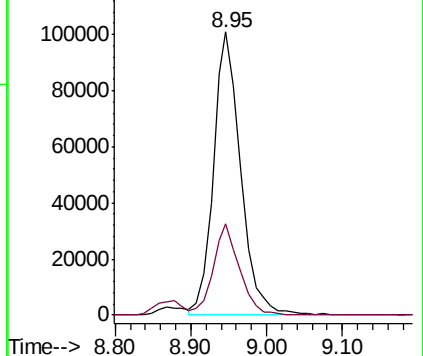
63 100

65 32.2 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.030 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

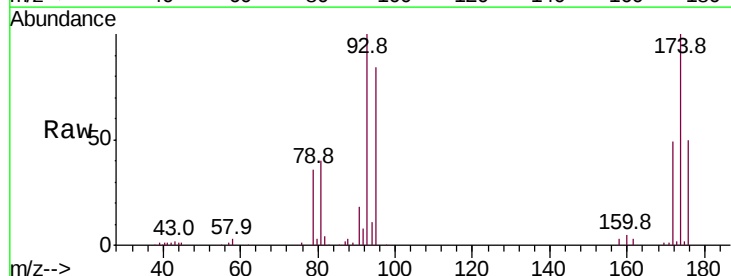
Tgt Ion: 93 Resp: 225399

Ion Ratio Lower Upper

93 100

95 83.8 66.1 99.1

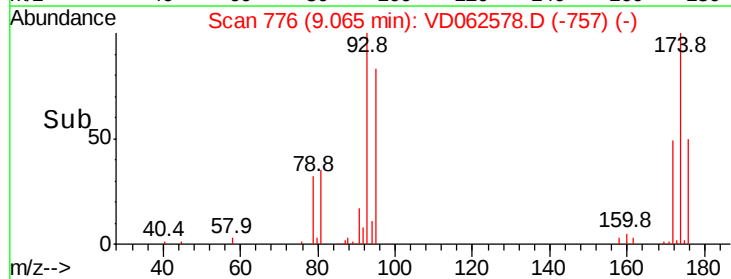
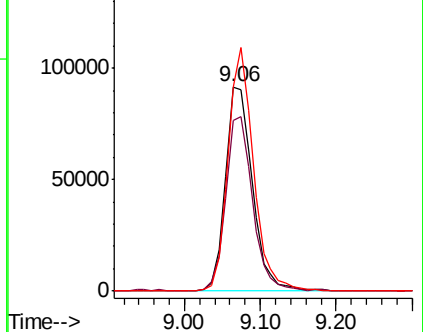
174 100.0 84.2 126.4

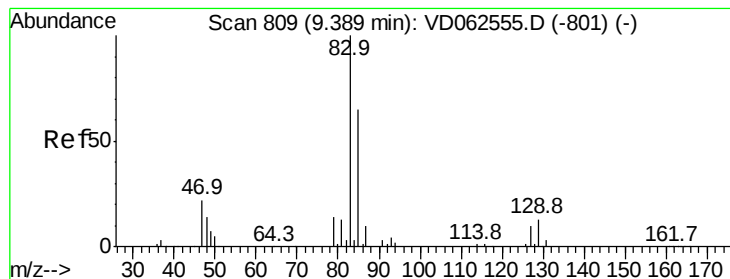


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 58.911 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

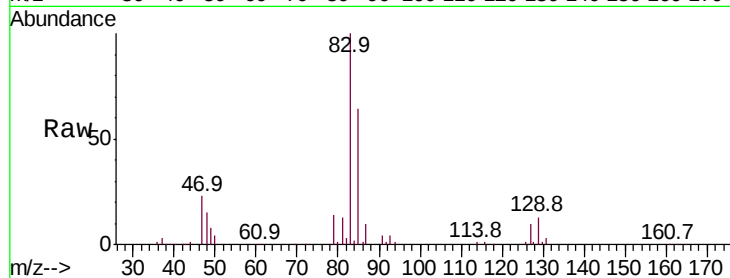
Tot Ion: 83 Resp: 641525

Ion Ratio Lower Upper

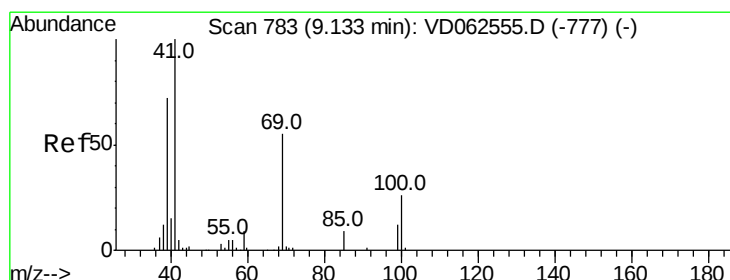
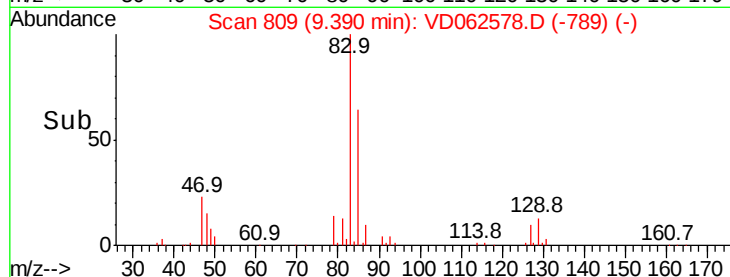
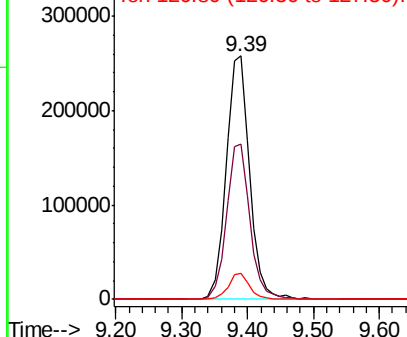
83 100

85 64.0 51.8 77.8

127 10.5 7.8 11.6



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: 61.389 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

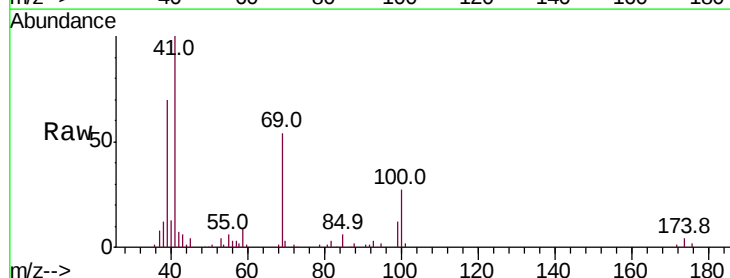
Tgt Ion: 41 Resp: 209791

Ion Ratio Lower Upper

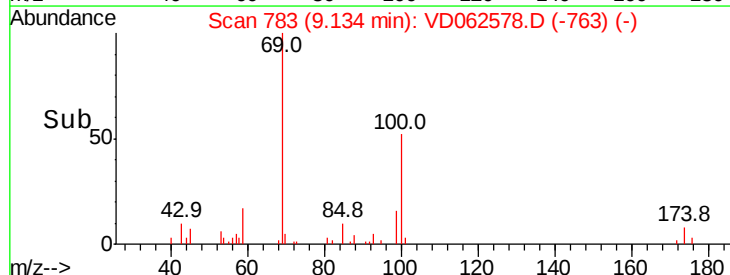
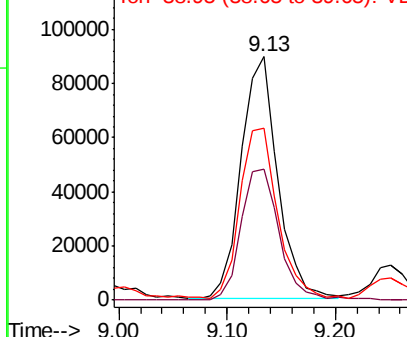
41 100

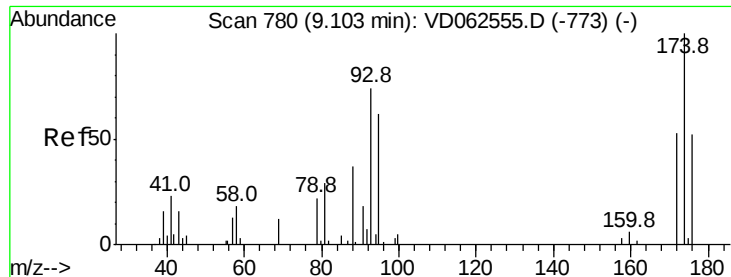
69 53.6 43.6 65.4

39 70.4 58.1 87.1



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: 1184.929 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.02 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

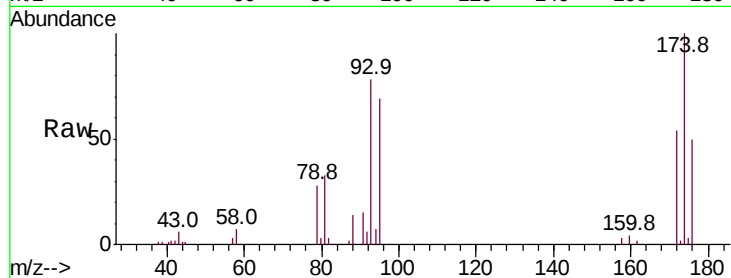
Tot Ion: 88 Resp: 32891

Ion Ratio Lower Upper

88 100

43 44.6 37.1 55.7

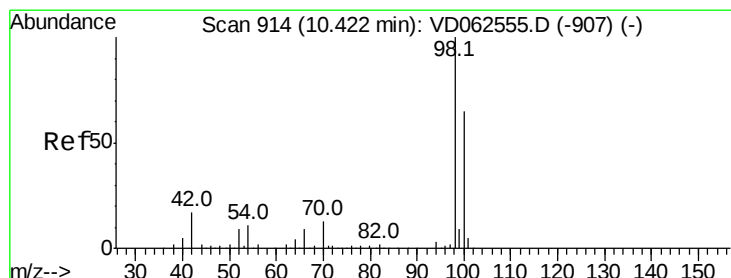
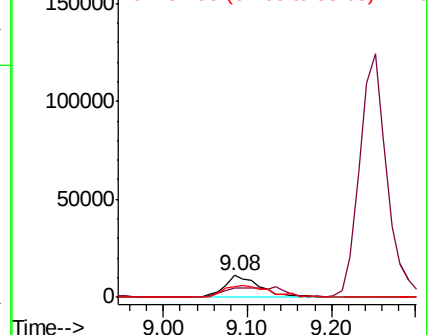
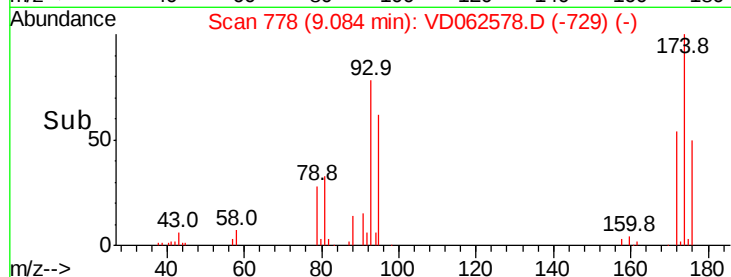
58 47.6 39.3 58.9



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: 53.978 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD062578.D

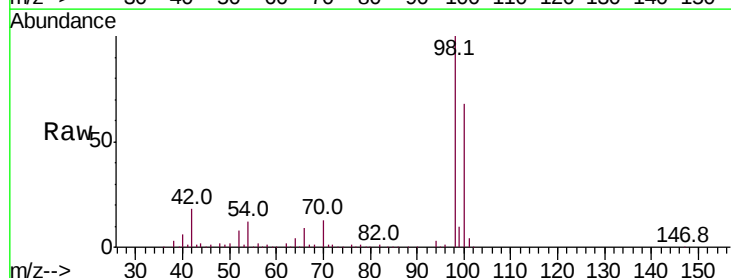
Acq: 31 May 2019 21:46

Tgt Ion: 98 Resp: 1058651

Ion Ratio Lower Upper

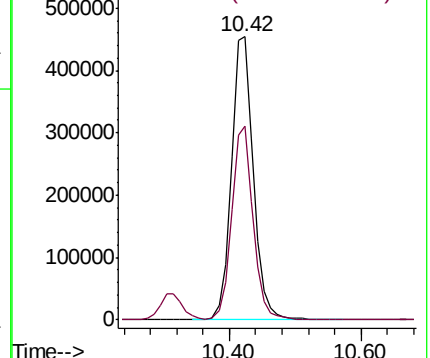
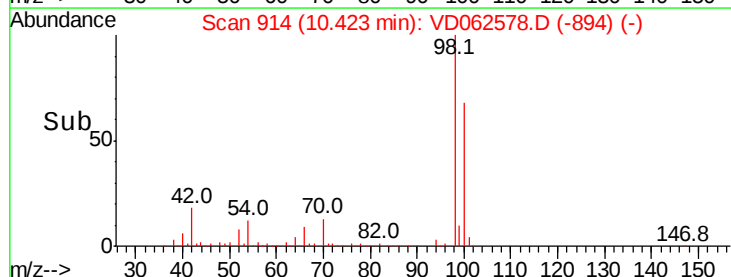
98 100

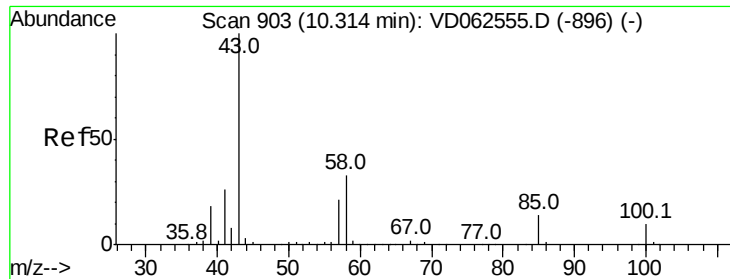
100 68.3 52.3 78.5



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: 279.874 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

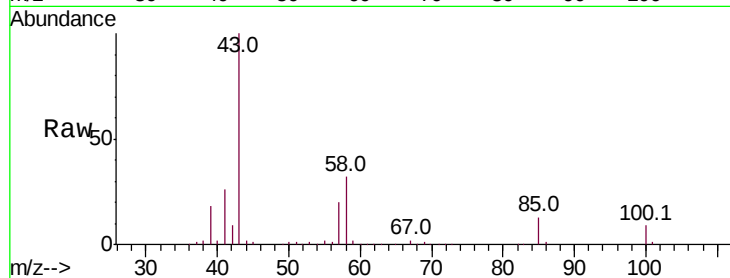
VSTDCCC050EC

Tot Ion: 43 Resp: 1001869

Ion Ratio Lower Upper

43 100

58 31.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

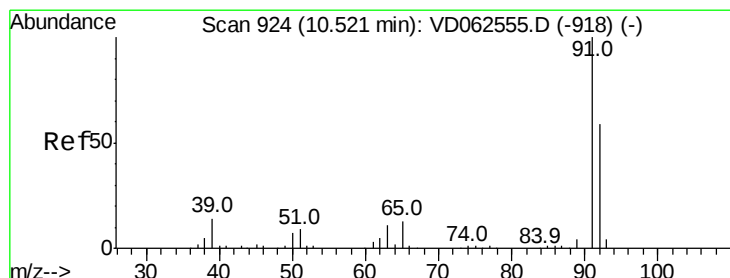
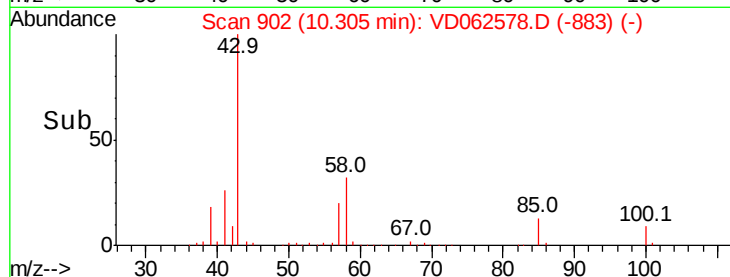
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.310 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062578.D

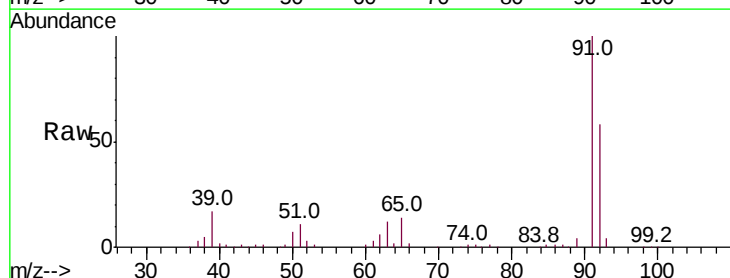
Acq: 31 May 2019 21:46

Tgt Ion: 92 Resp: 723990

Ion Ratio Lower Upper

92 100

91 171.4 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

600000

500000

400000

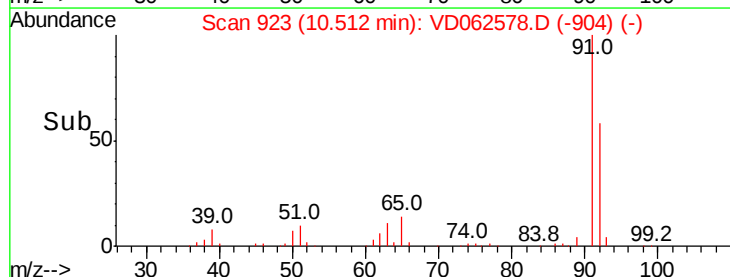
300000

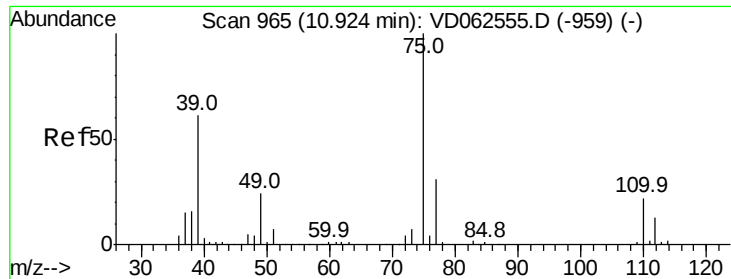
200000

100000

0

Time-->

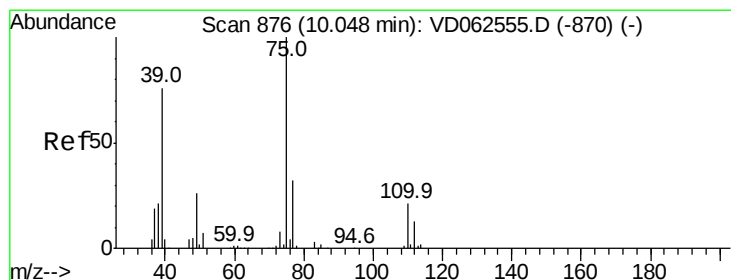
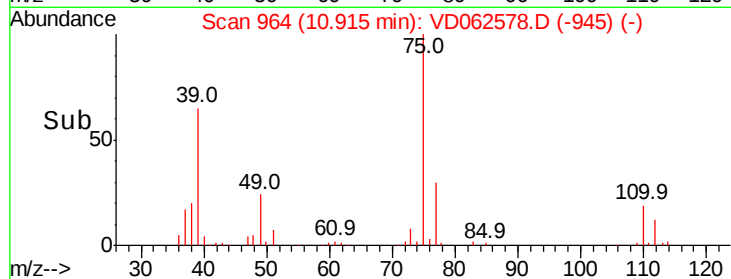
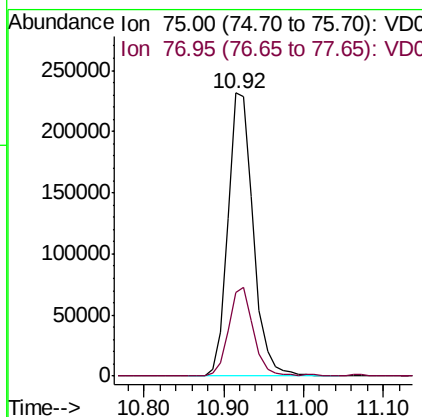
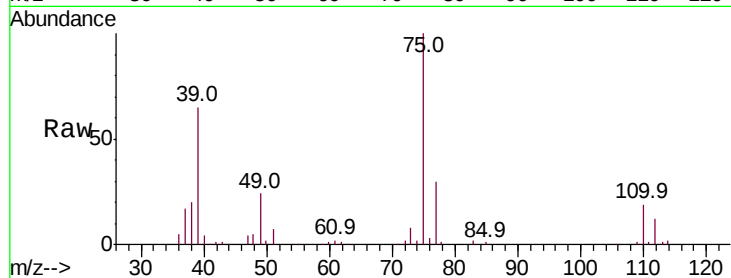




#53
 t-1,3-Dichloropropene
 Concen: 55.950 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

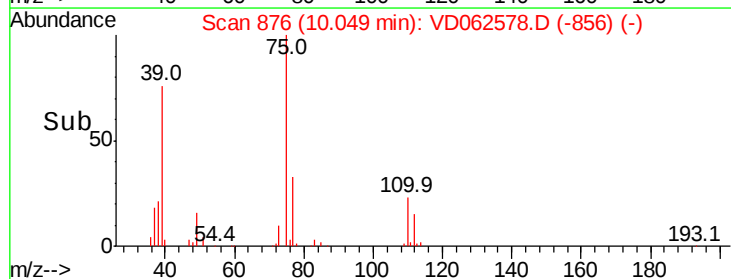
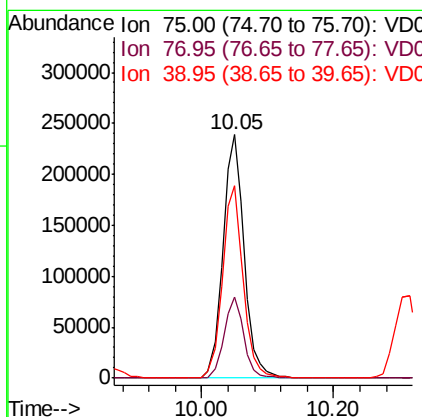
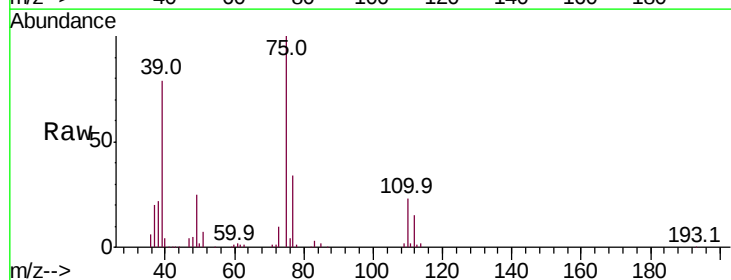
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

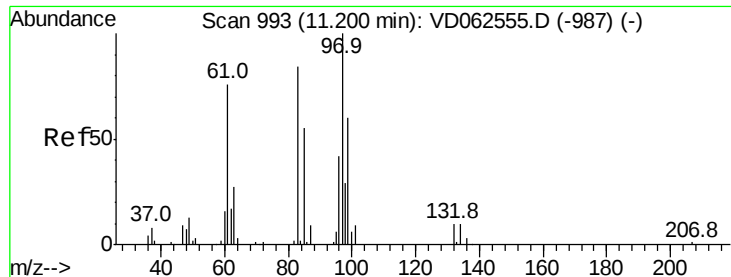
Tot Ion: 75 Resp: 514774
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 55.875 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 75 Resp: 534471
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.7 38.5
 39 78.9 61.0 91.6

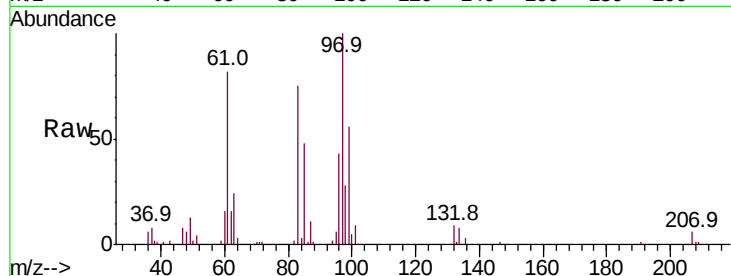




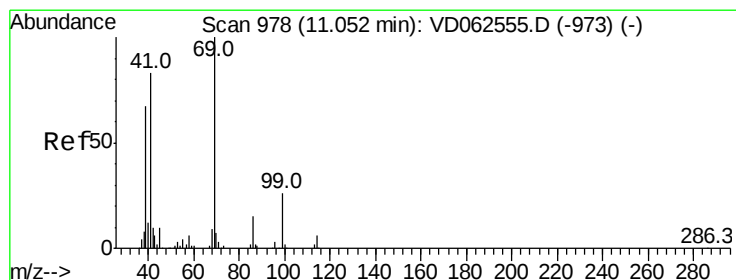
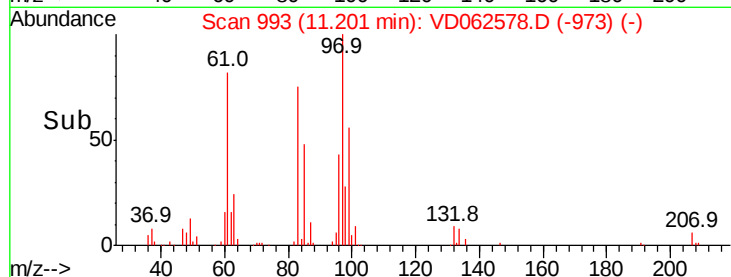
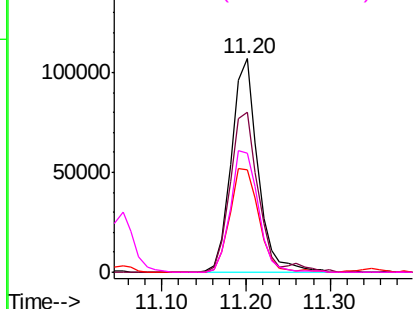
#55
 1,1,2-Trichloroethane
 Concen: 54.588 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 234615
 Ion Ratio Lower Upper
 97 100
 83 74.8 67.3 100.9
 85 48.0 43.8 65.8
 99 55.5 48.2 72.2

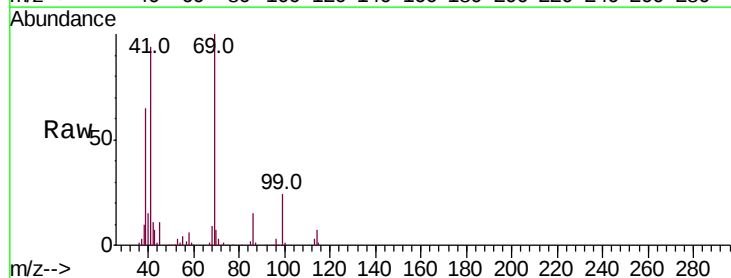


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

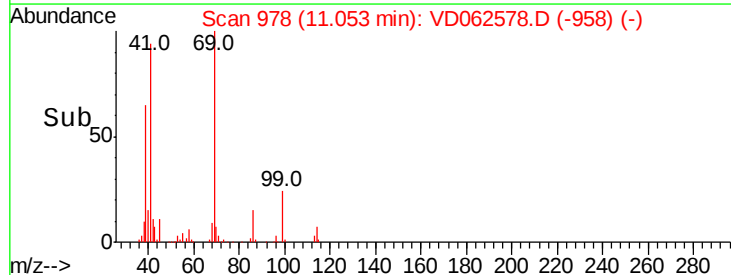
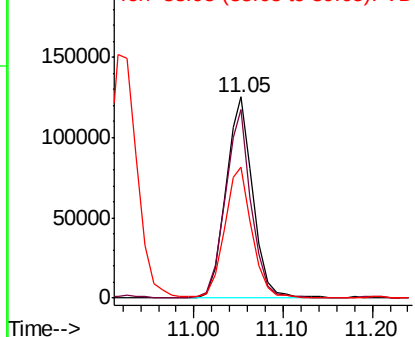


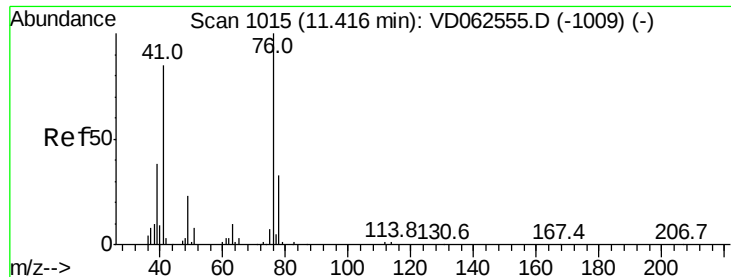
#56
 Ethyl methacrylate
 Concen: 57.688 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 69 Resp: 264268
 Ion Ratio Lower Upper
 69 100
 41 93.6 66.1 99.1
 39 65.4 54.2 81.2



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: 60.399 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

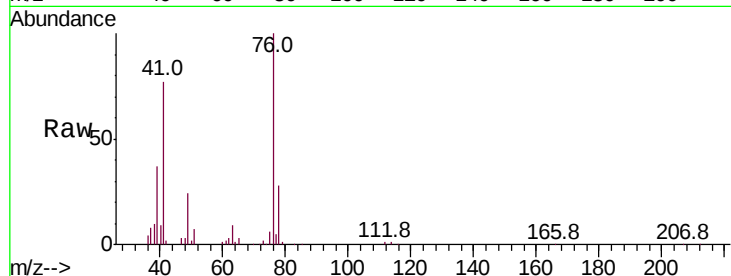
VSTDCCC050EC

Tot Ion: 76 Resp: 400184

Ion Ratio Lower Upper

76 100

78 27.5 26.7 40.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

150000

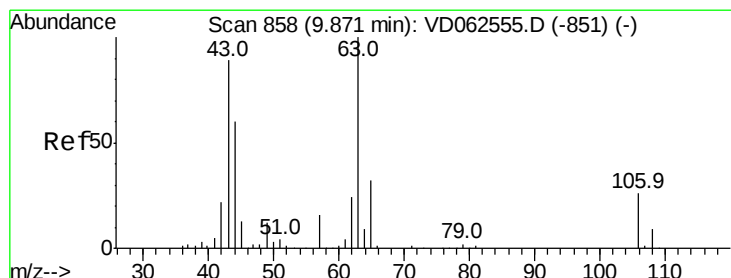
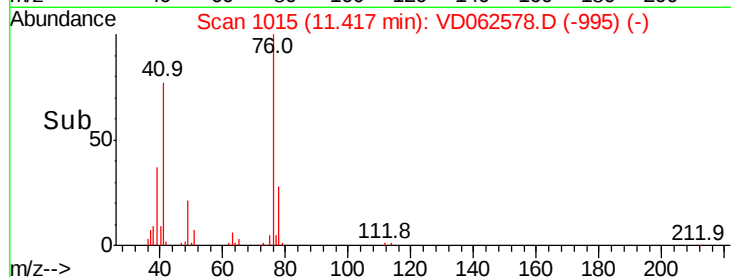
100000

50000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 269.916 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062578.D

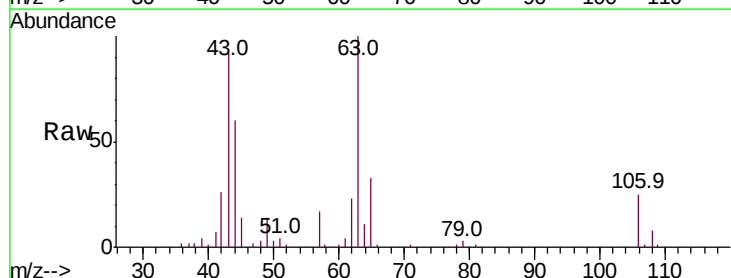
Acq: 31 May 2019 21:46

Tgt Ion: 63 Resp: 634150

Ion Ratio Lower Upper

63 100

106 24.9 21.0 31.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

300000

250000

200000

150000

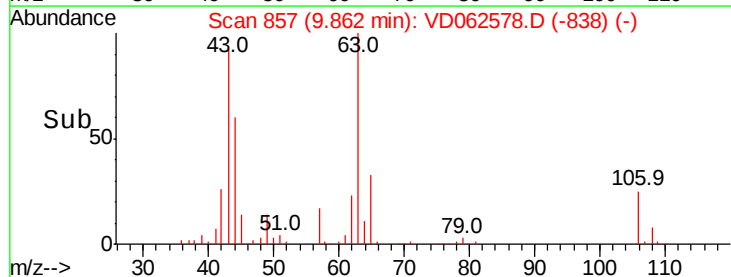
100000

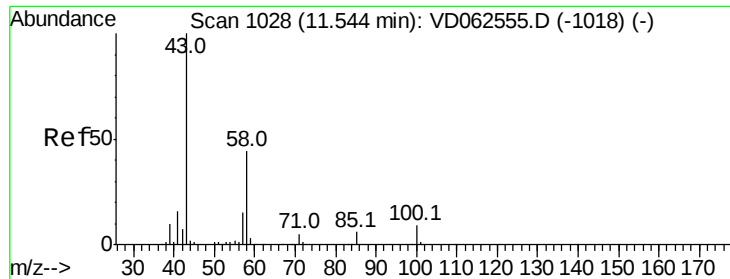
50000

0

Time-->

9.80 9.90 10.00

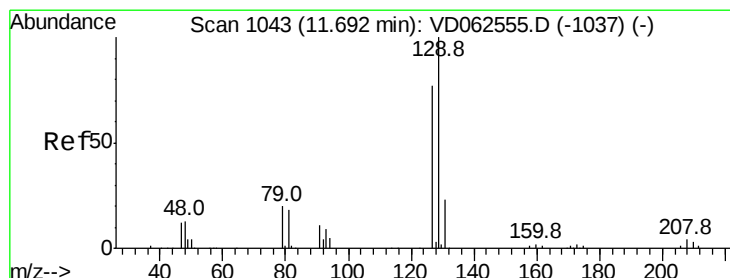
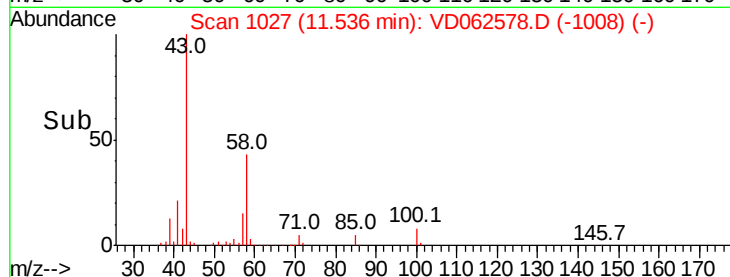
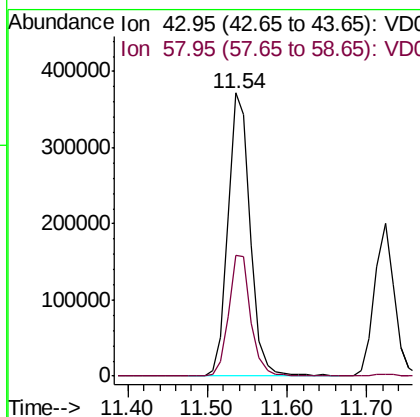
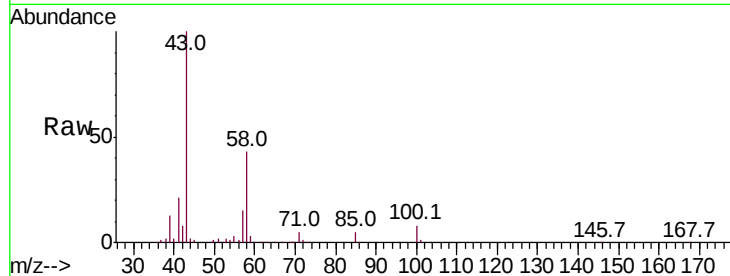




#59
2-Hexanone
Concen: 291.614 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

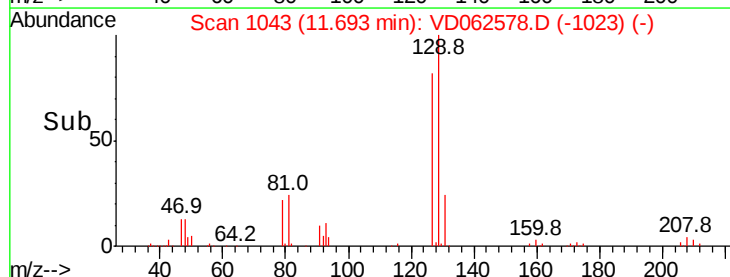
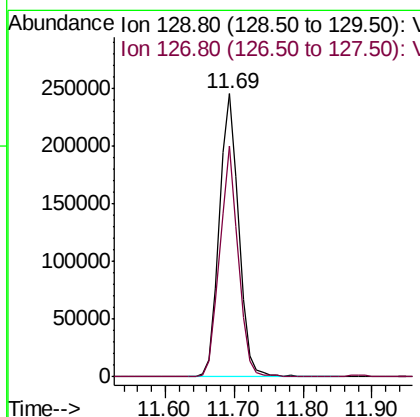
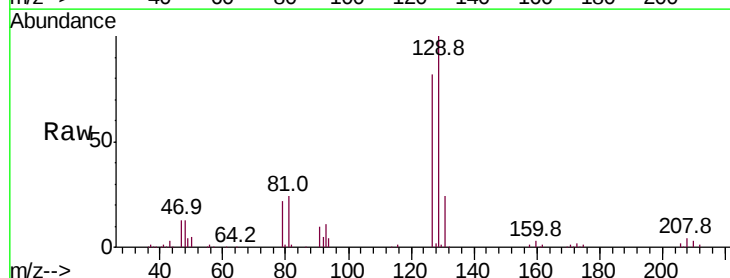
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

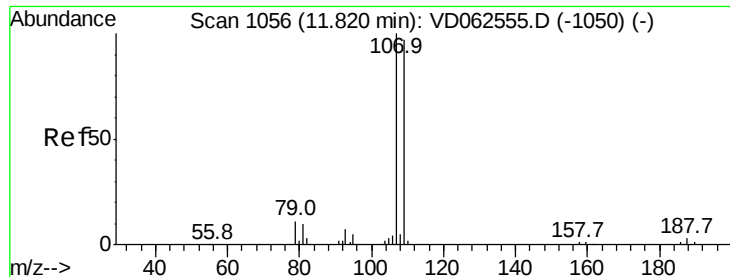
Tot Ion: 43 Resp: 732210
Ion Ratio Lower Upper
43 100
58 42.6 22.0 66.0



#60
Dibromochloromethane
Concen: 57.318 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 129 Resp: 478734
Ion Ratio Lower Upper
129 100
127 81.7 38.6 115.8

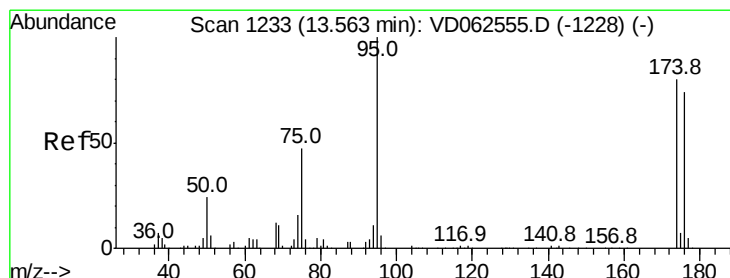
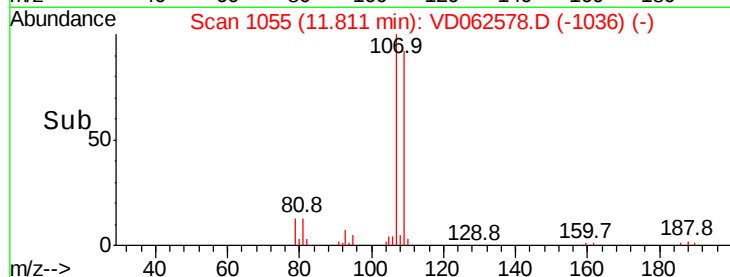
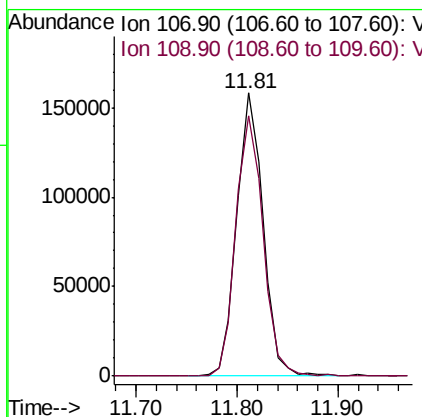
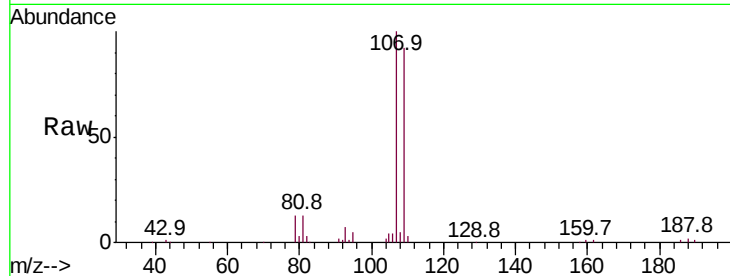




#61
 1,2-Dibromoethane
 Concen: 55.770 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

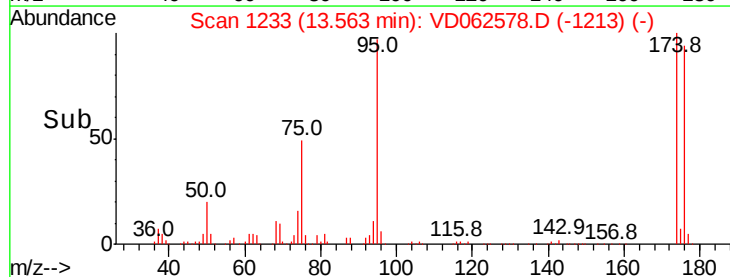
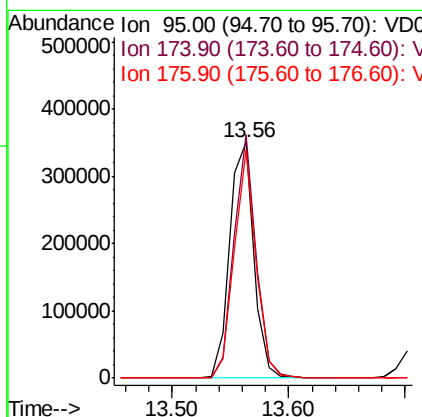
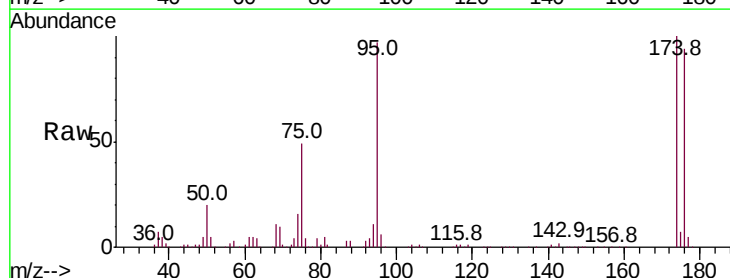
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

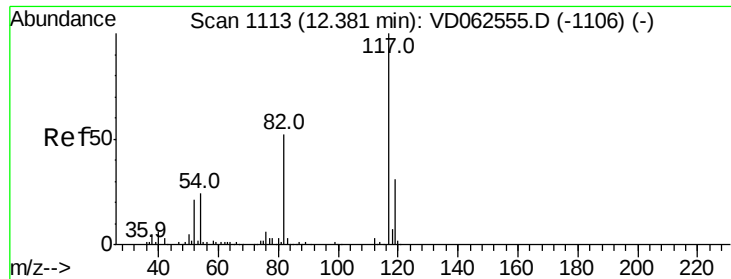
Tot Ion:107 Resp: 288347
 Ion Ratio Lower Upper
 107 100
 109 92.1 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 56.994 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 95 Resp: 504100
 Ion Ratio Lower Upper
 95 100
 174 103.4 0.0 160.2
 176 97.0 0.0 148.0

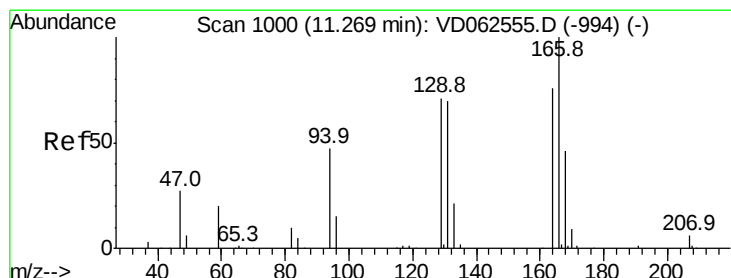
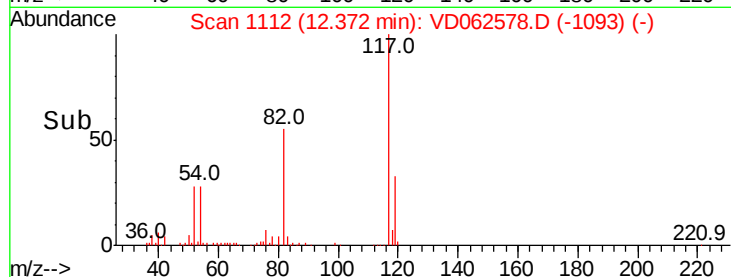
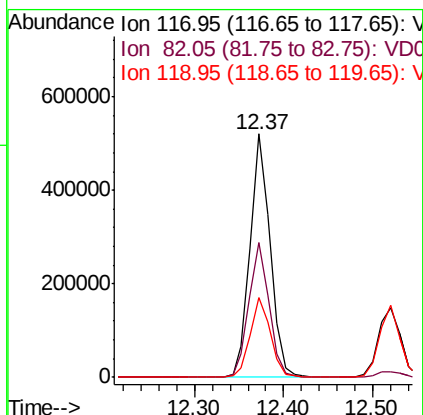
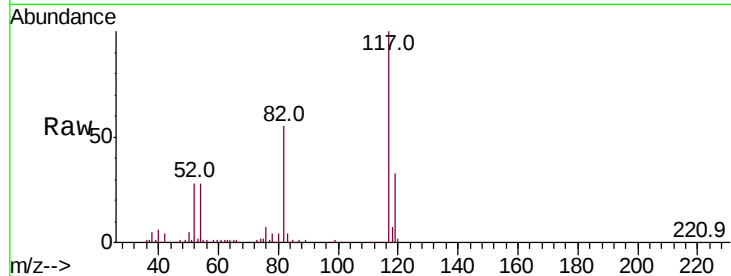




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

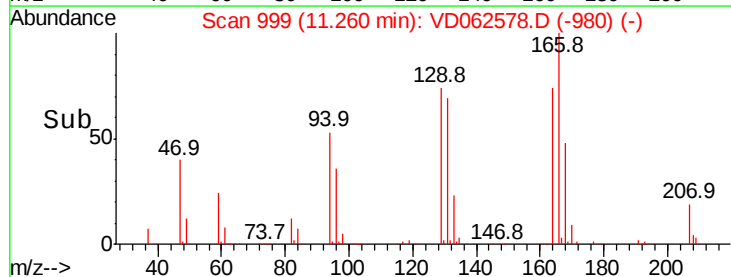
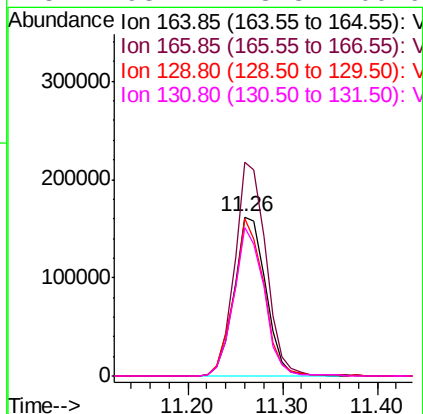
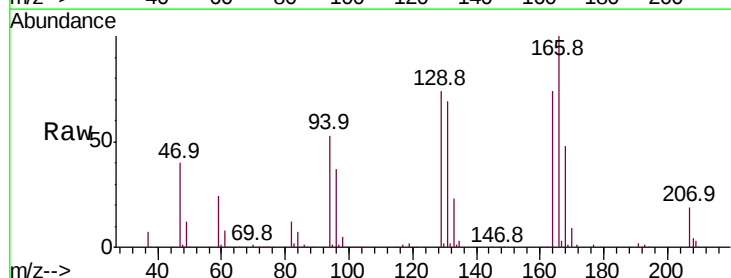
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

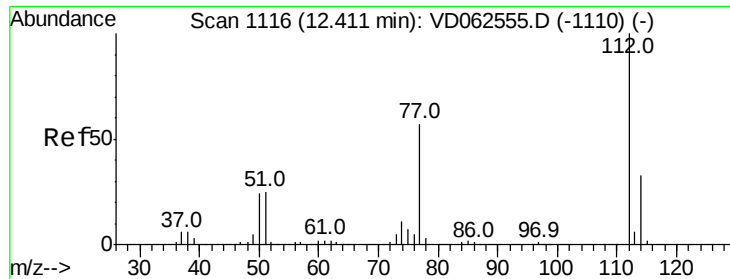
Tot Ion:117 Resp: 810150
Ion Ratio Lower Upper
117 100
82 55.4 41.4 62.2
119 32.5 24.9 37.3



#64
Tetrachloroethene
Concen: 52.009 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:164 Resp: 372471
Ion Ratio Lower Upper
164 100
166 134.5 105.3 157.9
129 99.0 75.3 112.9
131 93.1 73.3 109.9

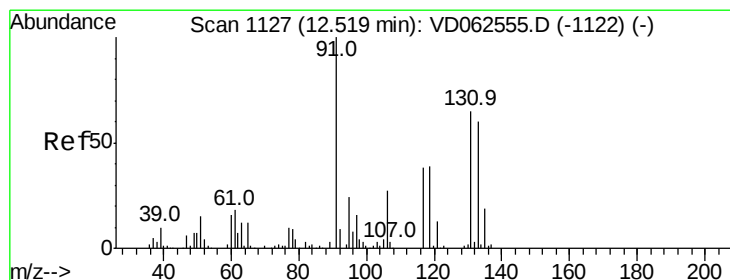
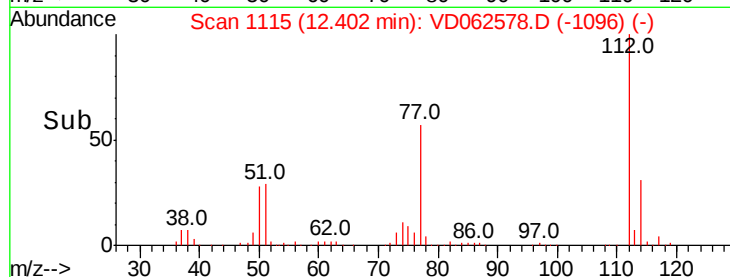
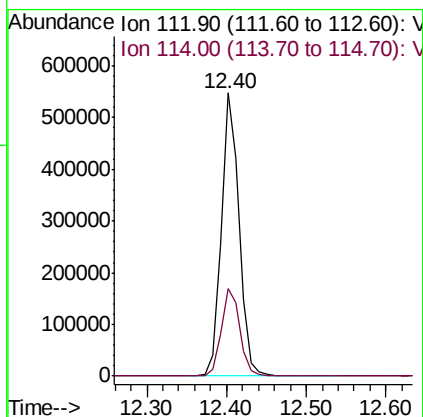
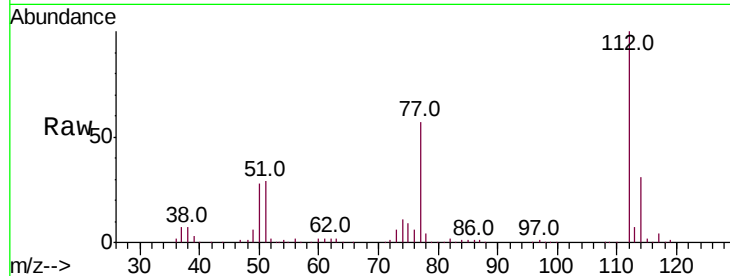




#65
Chlorobenzene
Concen: 54.513 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

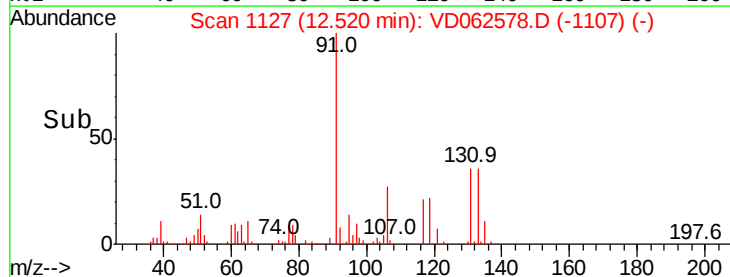
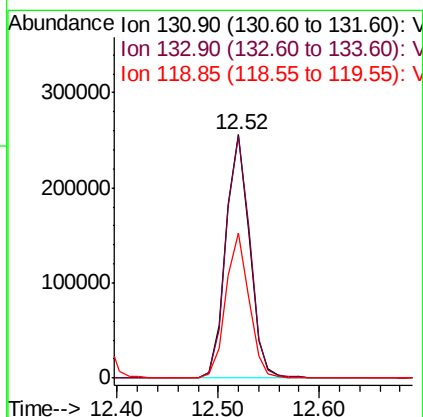
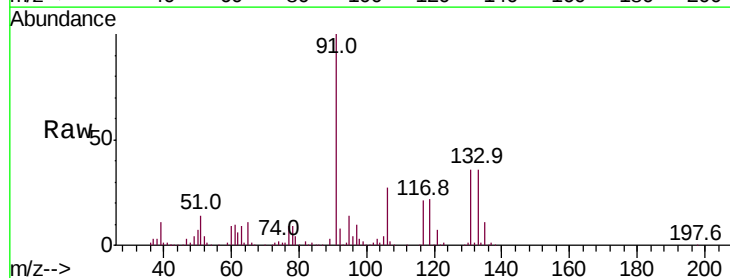
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

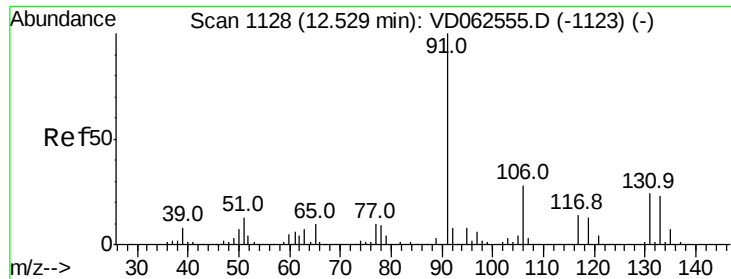
Tot Ion:112 Resp: 860354
Ion Ratio Lower Upper
112 100
114 30.9 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.361 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:131 Resp: 420681
Ion Ratio Lower Upper
131 100
133 99.4 46.2 138.6
119 59.7 29.5 88.6

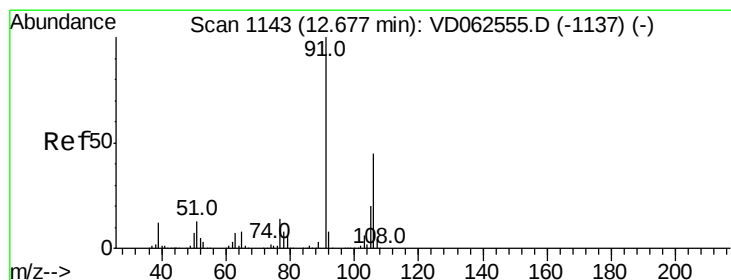
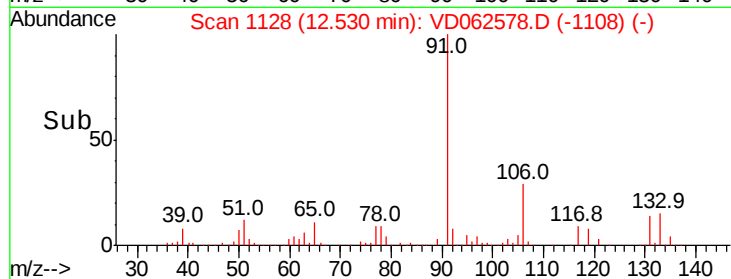
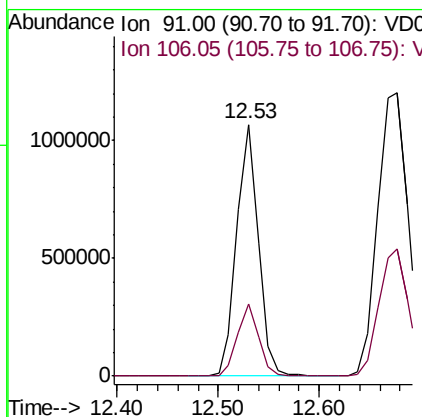
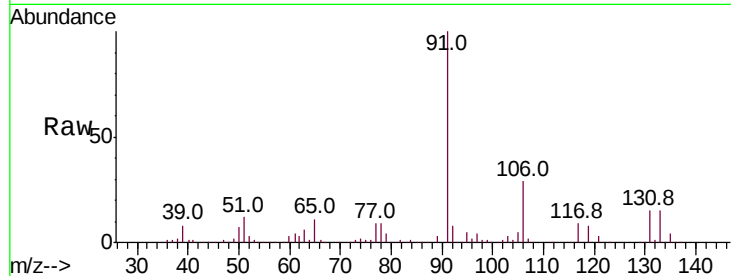




#67
Ethyl Benzene
Concen: 55.199 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

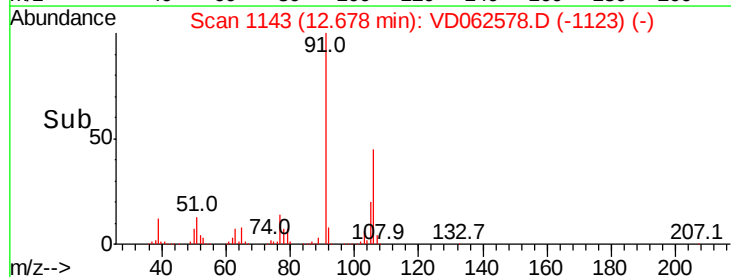
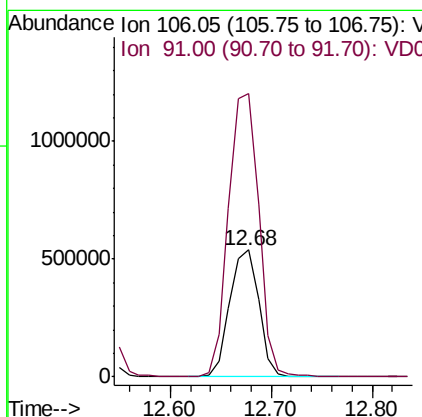
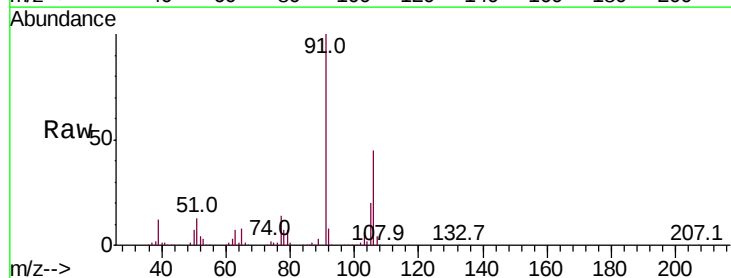
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

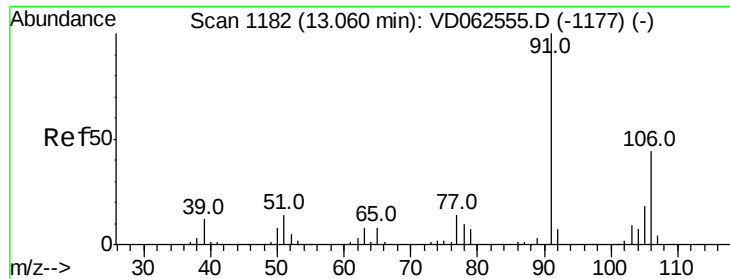
Tot Ion: 91 Resp: 1596145
Ion Ratio Lower Upper
91 100
106 28.8 22.2 33.2



#68
m/p-Xylenes
Concen: 108.707 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion: 106 Resp: 1087393
Ion Ratio Lower Upper
106 100
91 223.1 178.9 268.3

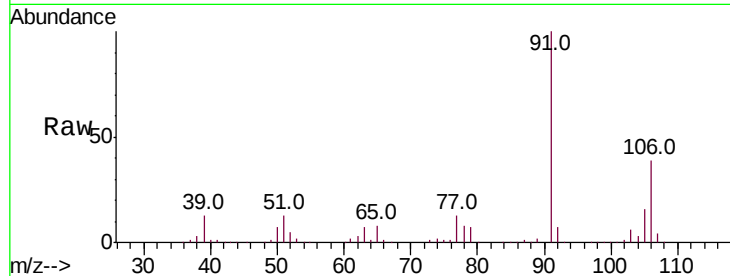




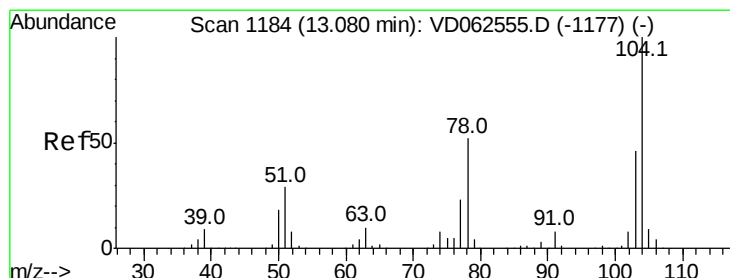
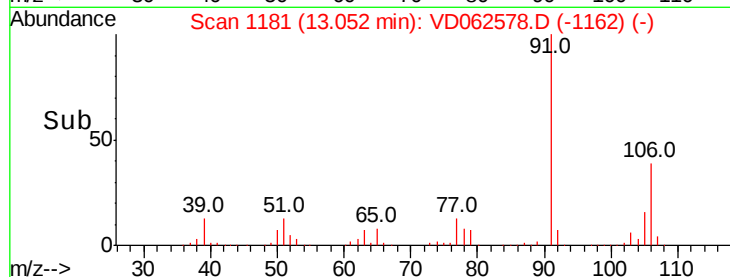
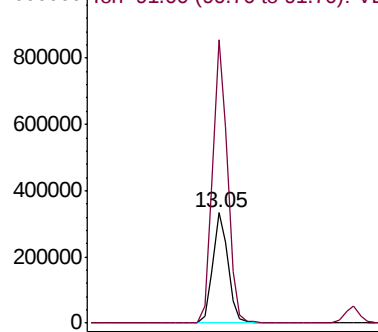
#69
o-Xylene
Concen: 51.854 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 494807
Ion Ratio Lower Upper
106 100
91 257.1 113.9 341.8

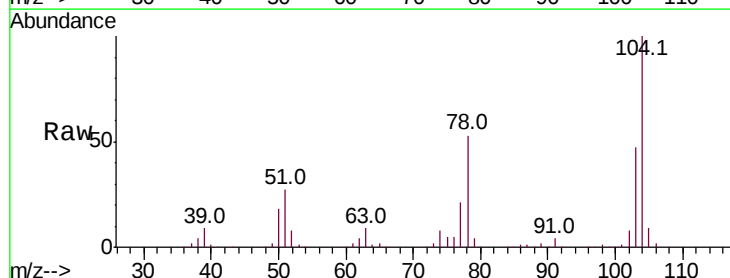


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

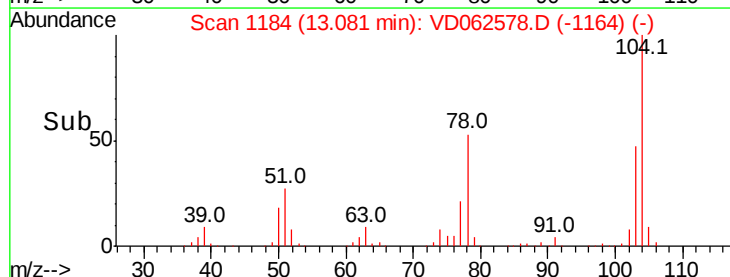
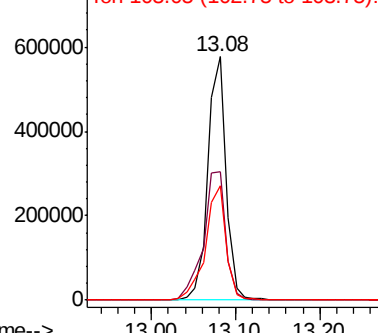


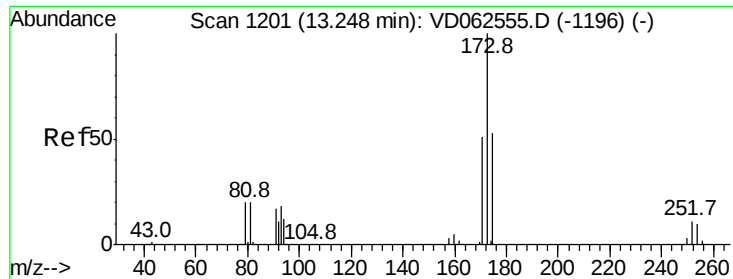
#70
Styrene
Concen: 53.491 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:104 Resp: 866670
Ion Ratio Lower Upper
104 100
78 53.0 41.5 62.3
103 46.7 36.6 55.0



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





#71

Bromoform

Concen: 57.403 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

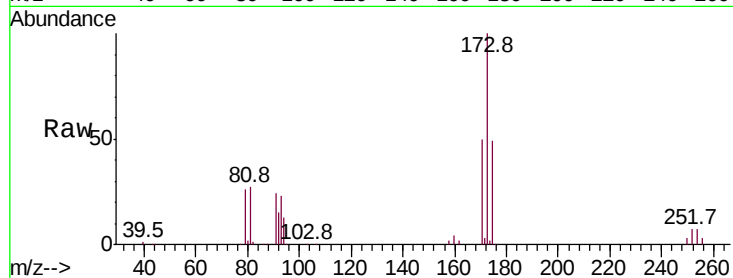
Tot Ion:173 Resp: 300771

Ion Ratio Lower Upper

173 100

175 49.1 26.6 79.7

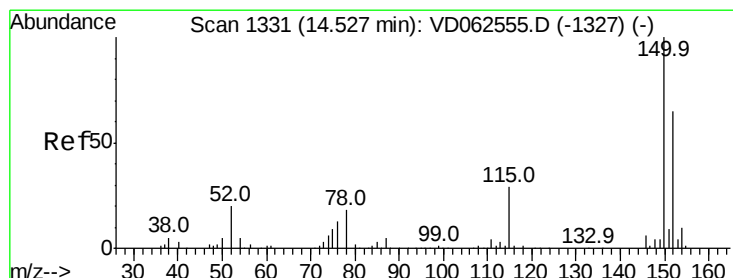
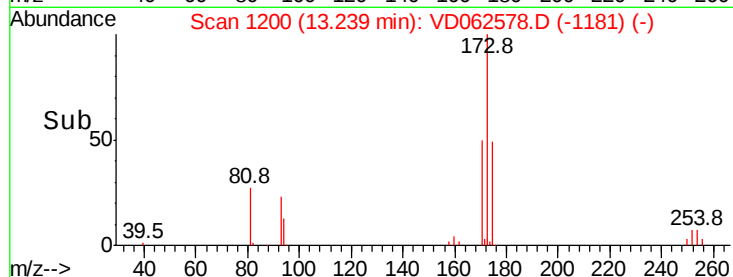
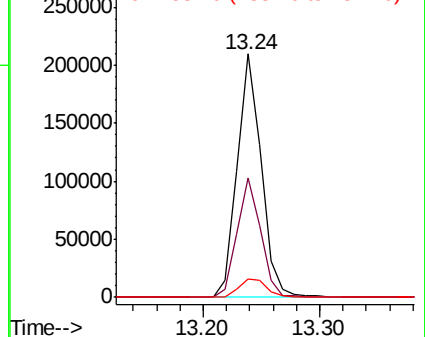
254 7.4 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

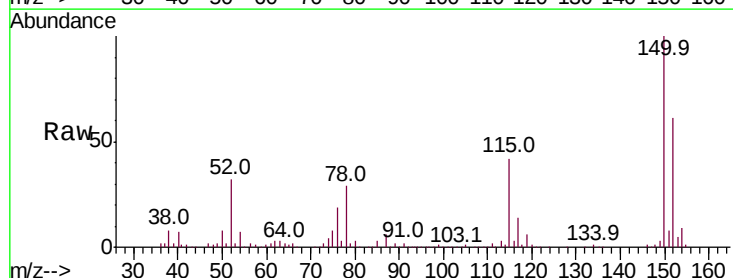
Tgt Ion:152 Resp: 452396

Ion Ratio Lower Upper

152 100

115 68.1 28.4 85.3

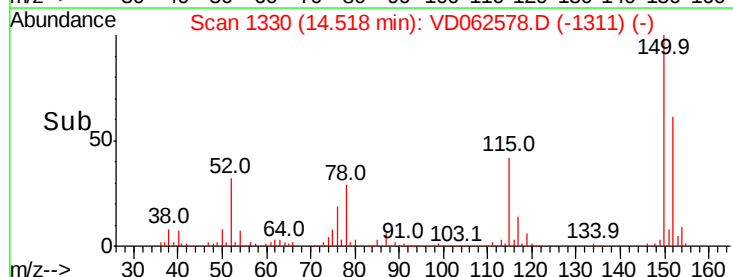
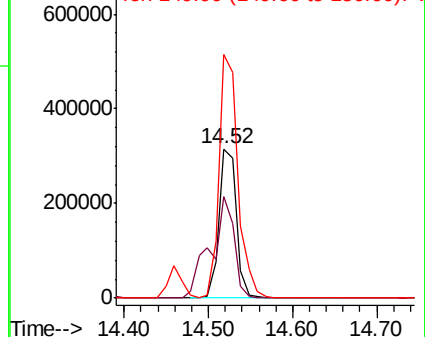
150 163.0 0.0 310.4

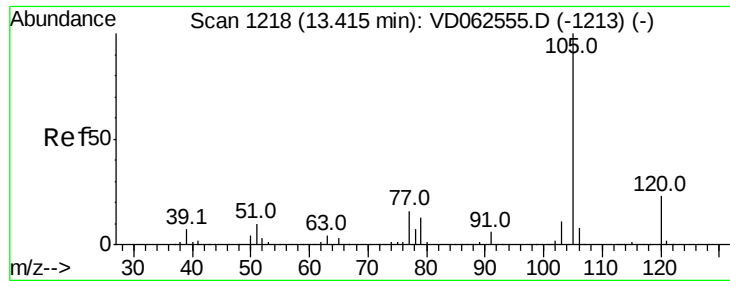


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.958 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

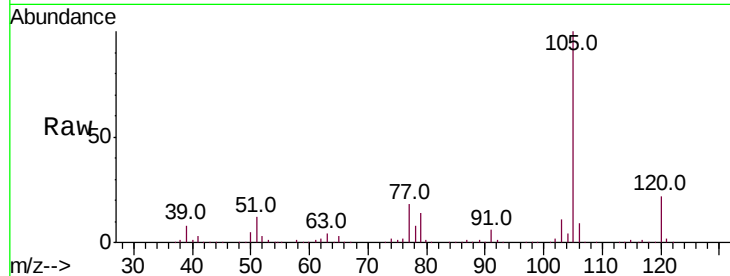
VSTDCCC050EC

Tot Ion:105 Resp: 1609289

Ion Ratio Lower Upper

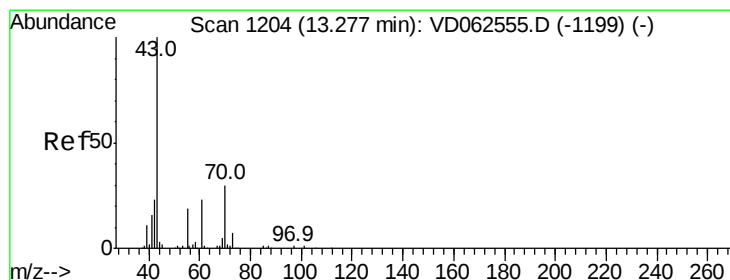
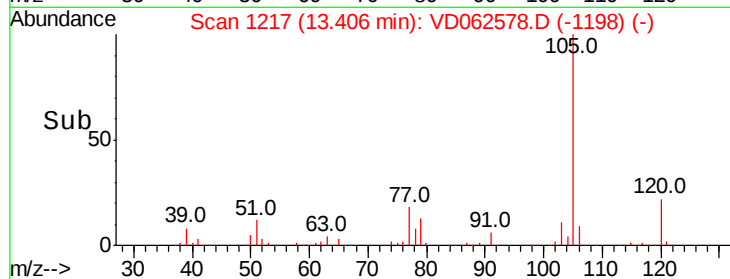
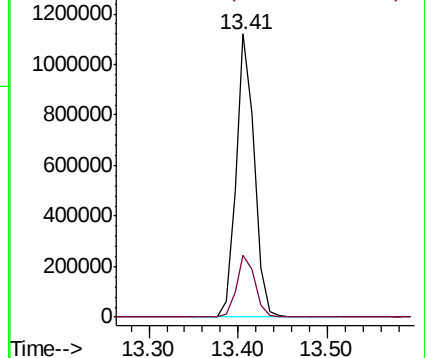
105 100

120 22.0 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.935 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Tgt Ion: 43 Resp: 448178

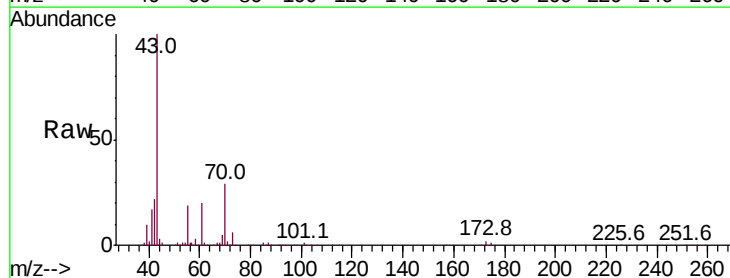
Ion Ratio Lower Upper

43 100

70 29.1 23.7 35.5

55 19.1 15.0 22.4

61 20.3 18.4 27.6

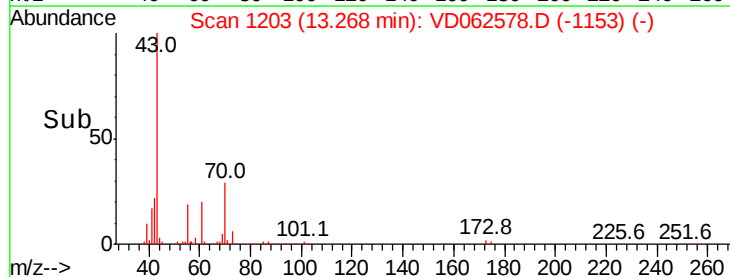
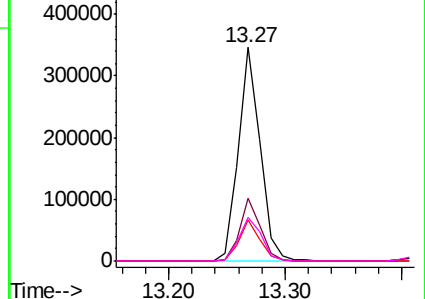


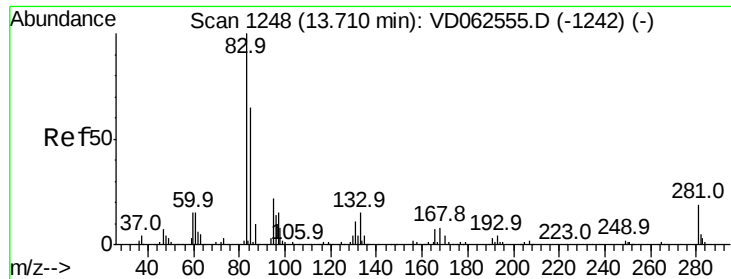
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 58.224 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

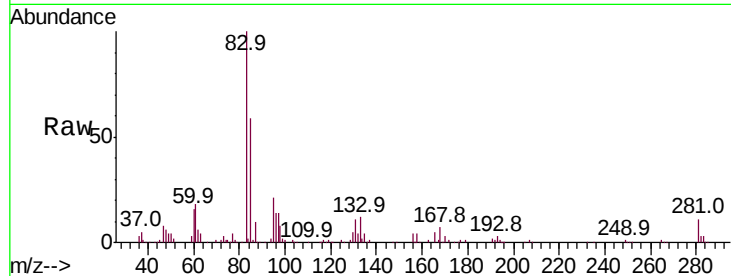
Tot Ion: 83 Resp: 275400

Ion Ratio Lower Upper

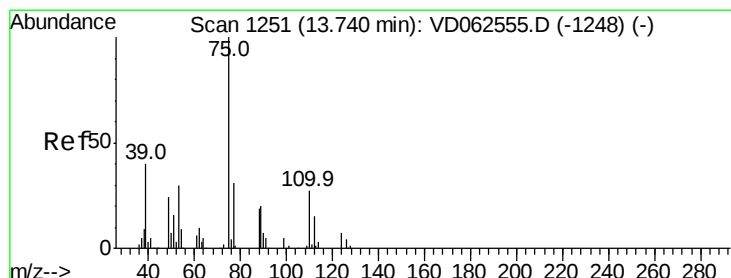
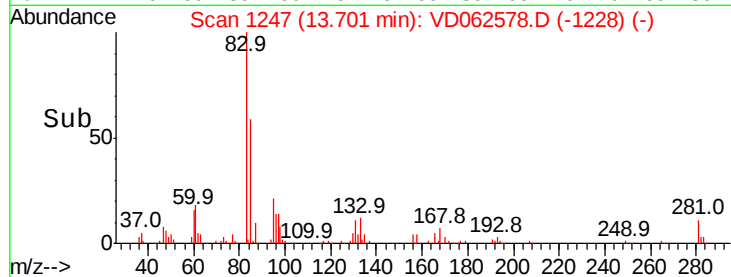
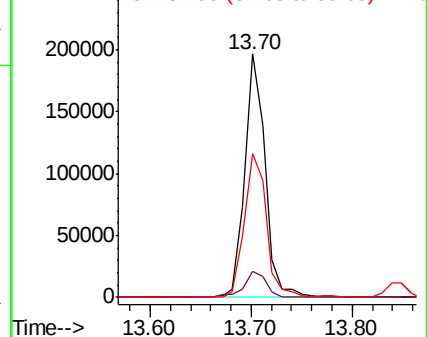
83 100

131 10.5 5.7 17.1

85 59.3 32.6 97.8



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: 56.559 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062578.D

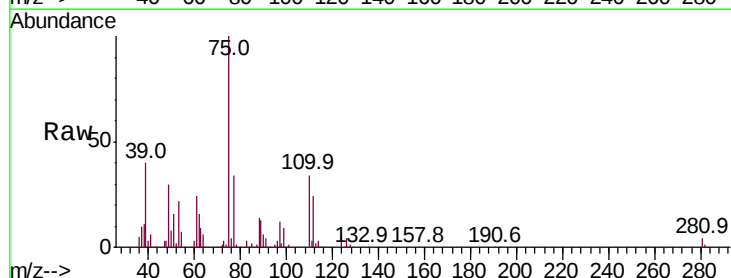
Acq: 31 May 2019 21:46

Tgt Ion: 75 Resp: 306971

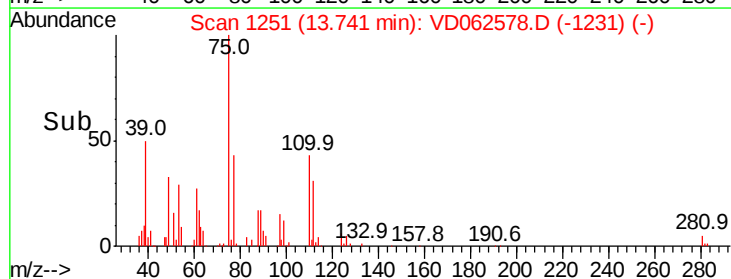
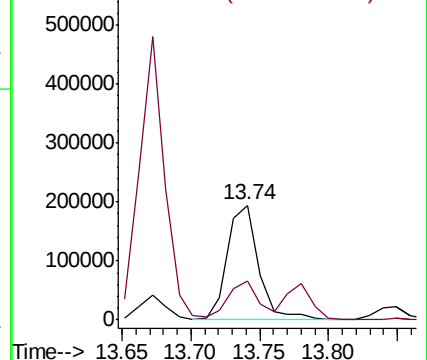
Ion Ratio Lower Upper

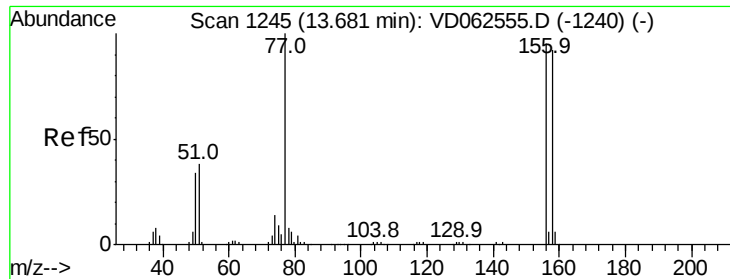
75 100

77 34.1 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.951 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

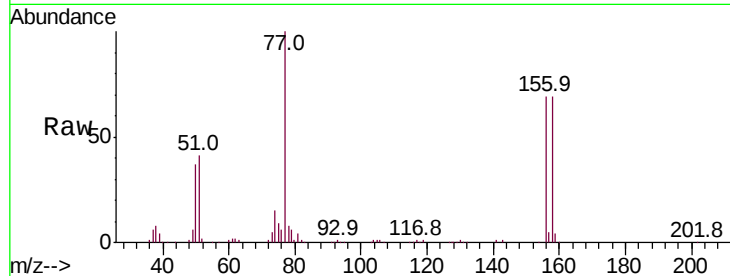
Tot Ion:156 Resp: 457535

Ion Ratio Lower Upper

156 100

77 144.8 52.9 158.7

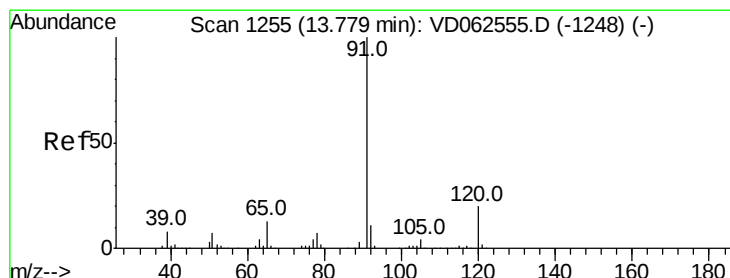
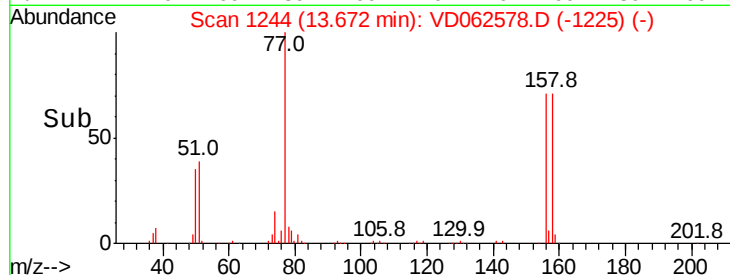
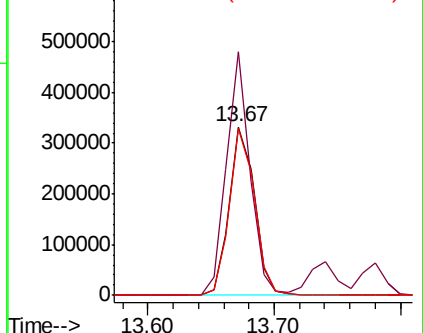
158 99.5 48.5 145.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.288 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062578.D

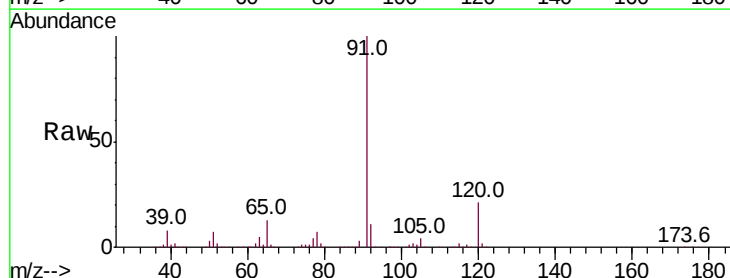
Acq: 31 May 2019 21:46

Tgt Ion: 91 Resp: 1866278

Ion Ratio Lower Upper

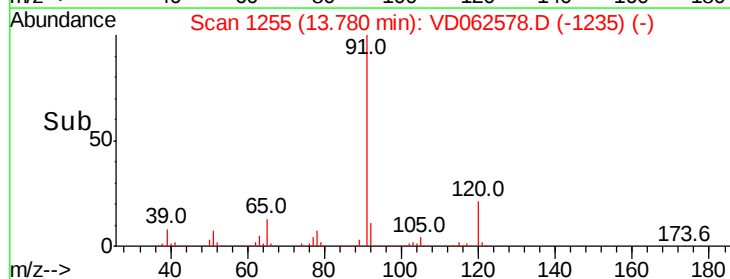
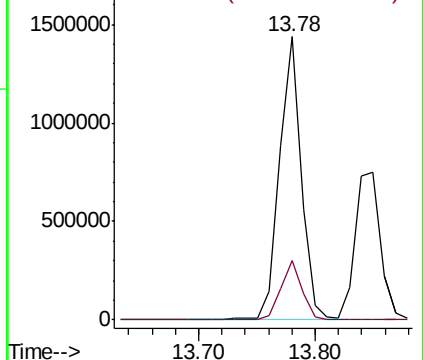
91 100

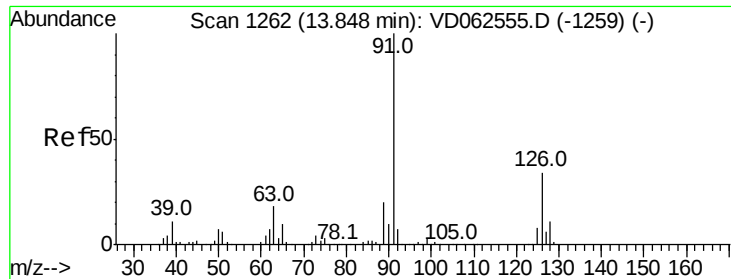
120 20.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.296 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

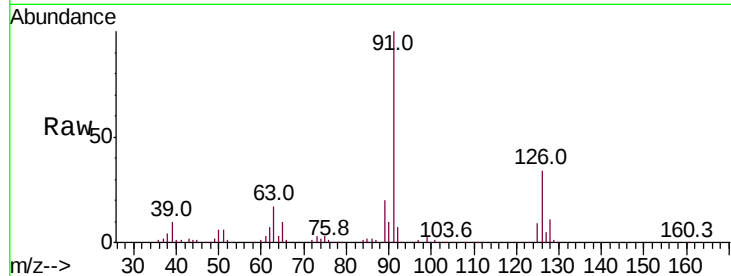
VSTDCCC050EC

Tot Ion: 91 Resp: 1122151

Ion Ratio Lower Upper

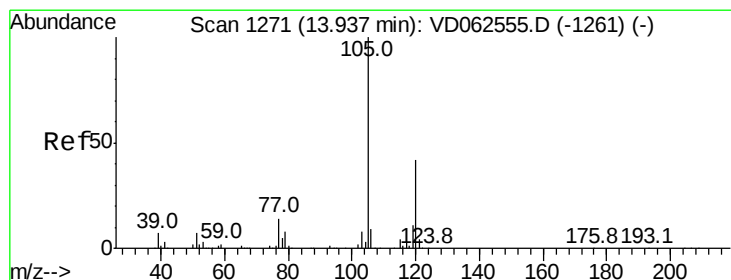
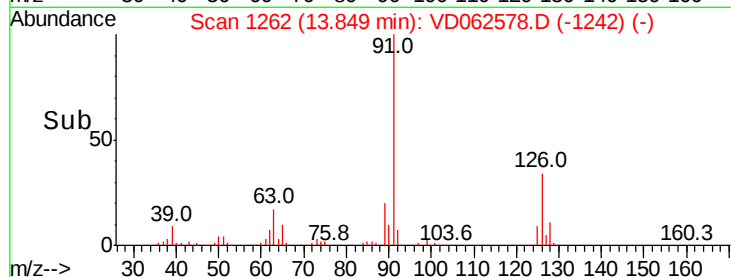
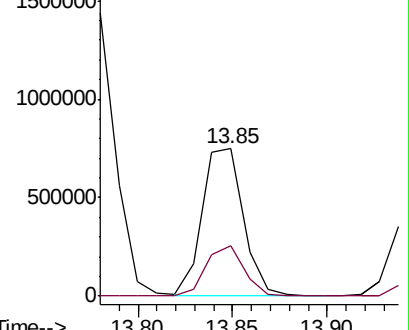
91 100

126 34.1 16.7 50.1



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: 53.755 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062578.D

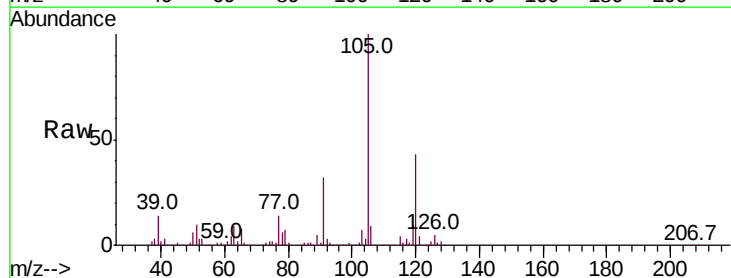
Acq: 31 May 2019 21:46

Tgt Ion:105 Resp: 1369941

Ion Ratio Lower Upper

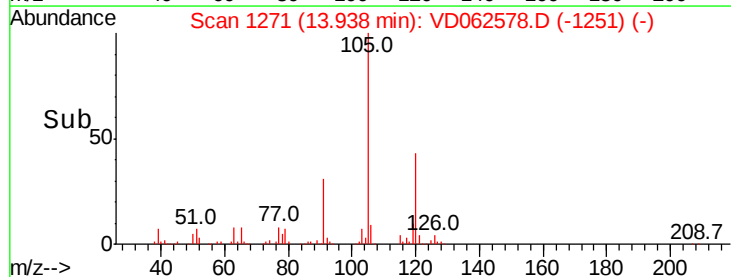
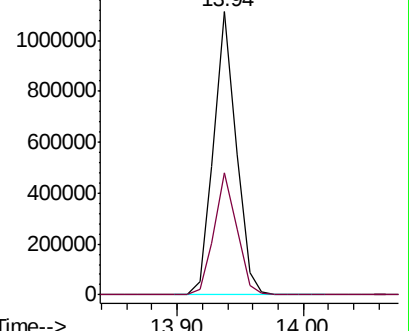
105 100

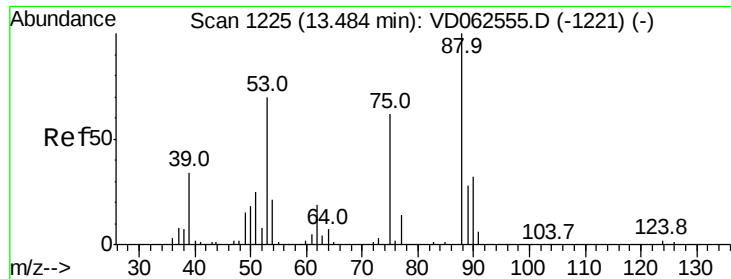
120 43.0 20.8 62.5



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: 49.708 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

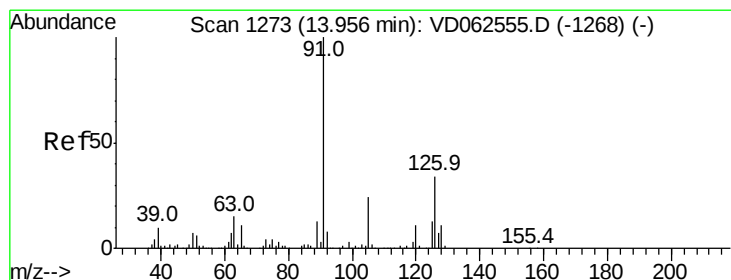
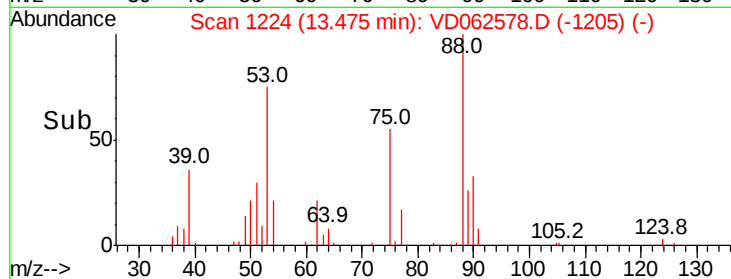
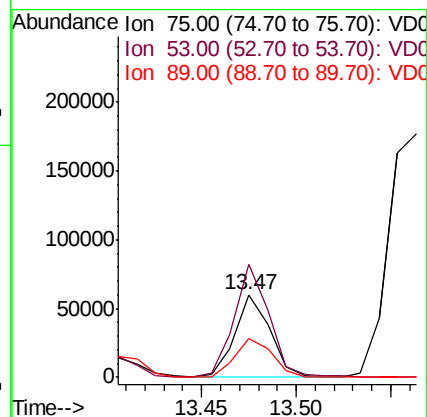
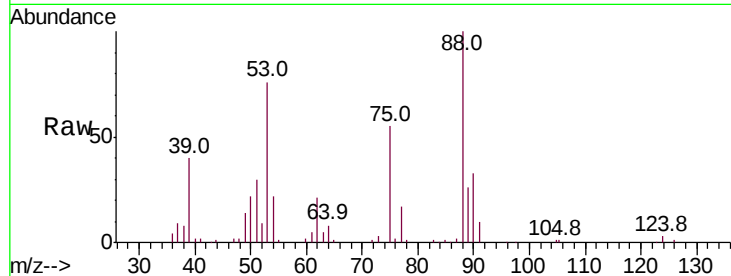
Tot Ion: 75 Resp: 77306

Ion Ratio Lower Upper

75 100

53 137.8 91.0 136.4#

89 47.3 36.9 55.3



#82

4-Chlorotoluene

Concen: 57.522 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062578.D

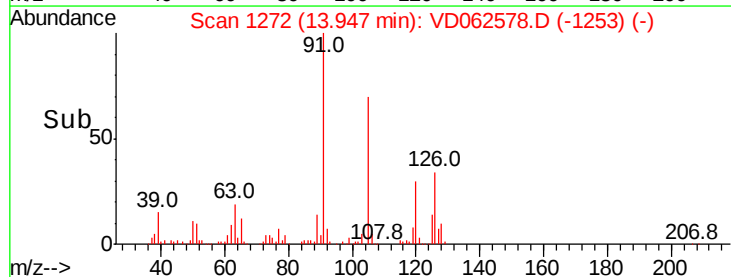
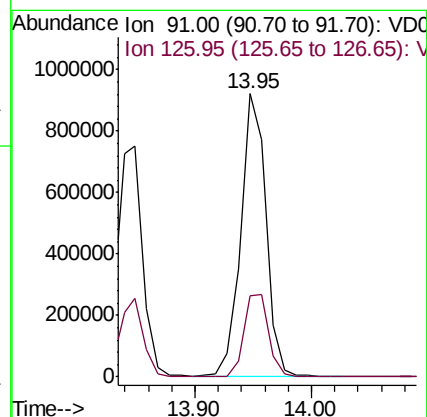
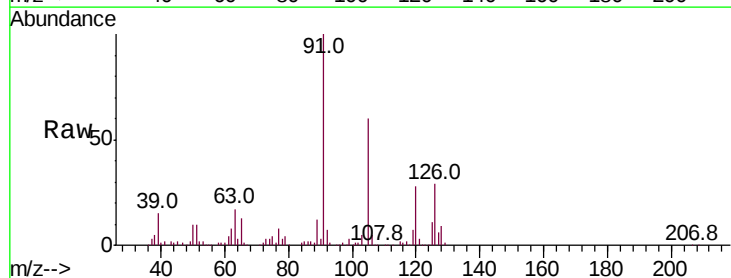
Acq: 31 May 2019 21:46

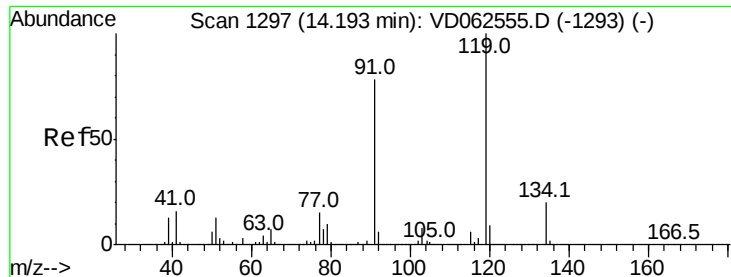
Tgt Ion: 91 Resp: 1372666

Ion Ratio Lower Upper

91 100

126 28.8 16.9 50.7

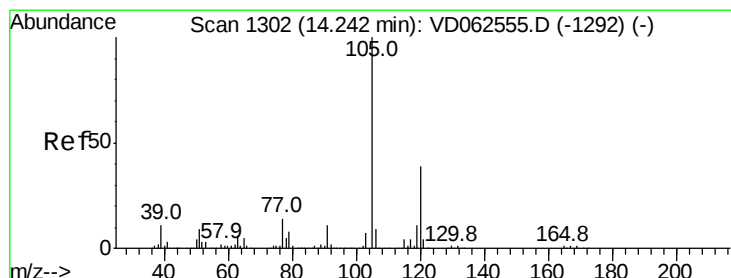
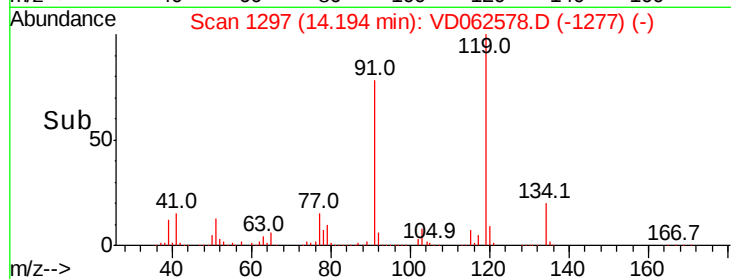
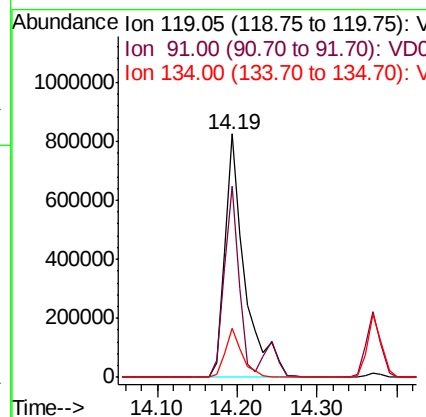
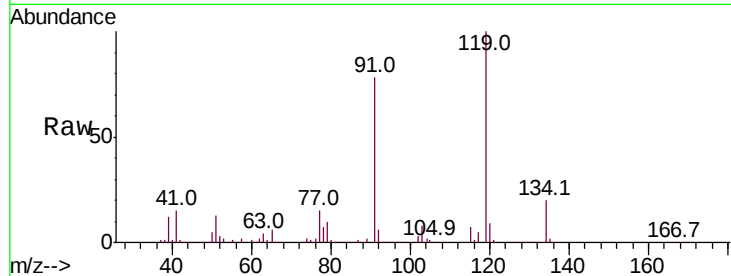




#83
 tert-Butylbenzene
 Concen: 50.881 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

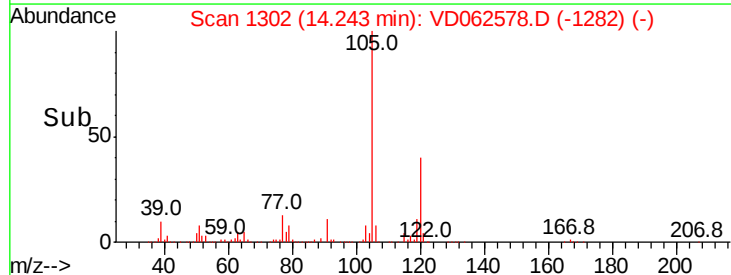
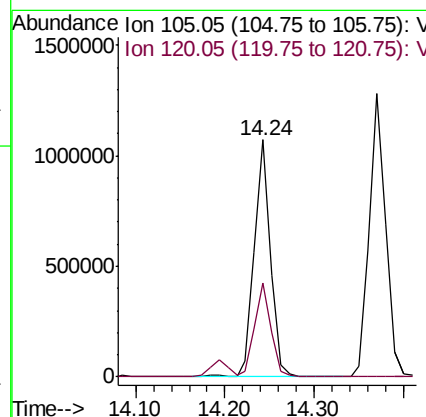
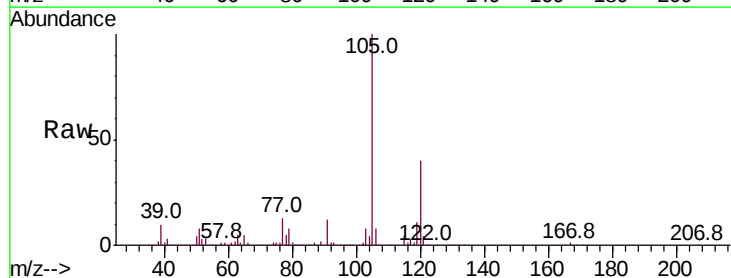
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

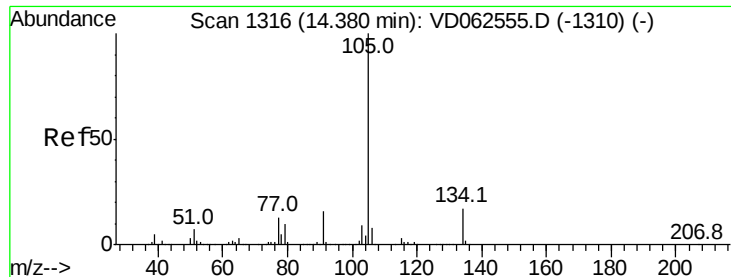
Tot Ion:119 Resp: 1446915
 Ion Ratio Lower Upper
 119 100
 91 78.3 39.1 117.5
 134 20.3 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.427 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion:105 Resp: 1335521
 Ion Ratio Lower Upper
 105 100
 120 39.6 19.6 58.8





#85

sec-Butylbenzene

Concen: 53.460 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampled :

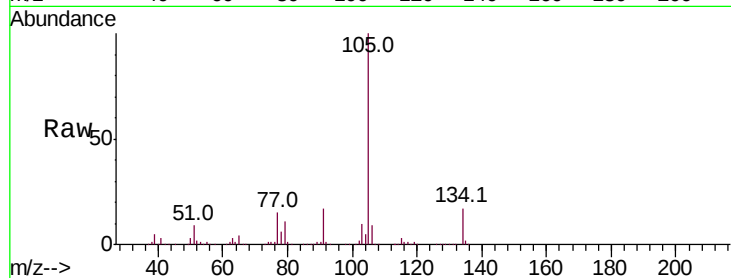
VSTDCCC050EC

Tot Ion:105 Resp: 1610459

Ion Ratio Lower Upper

105 100

134 16.7 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

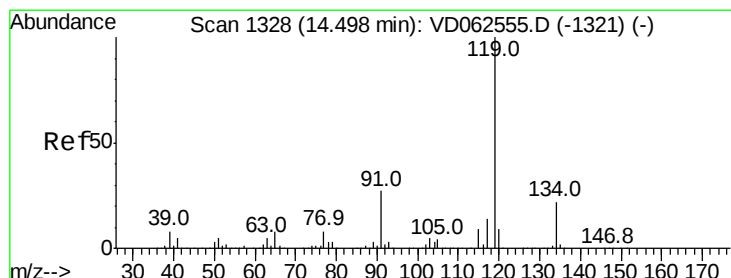
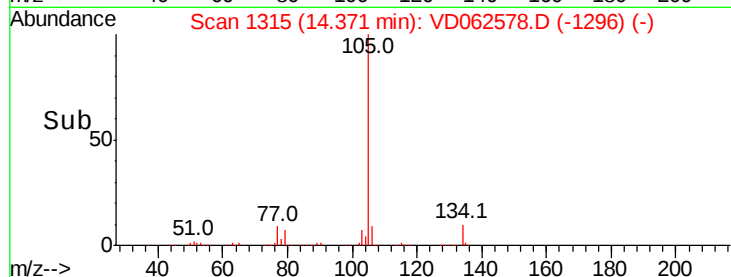
14.37

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 58.171 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

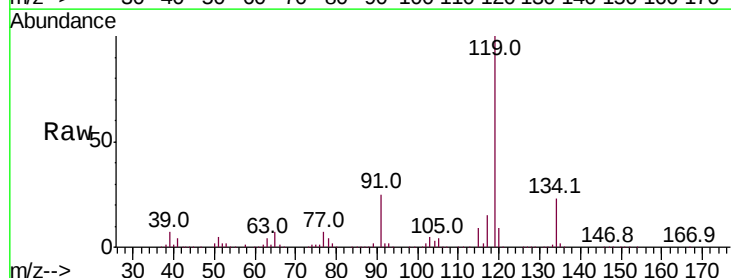
Tgt Ion:119 Resp: 1637191

Ion Ratio Lower Upper

119 100

134 23.5 11.2 33.6

91 25.1 13.6 40.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

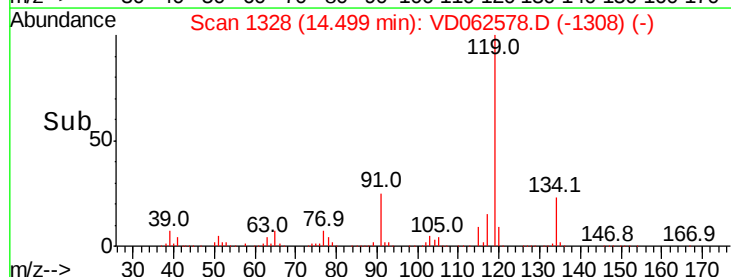
1500000

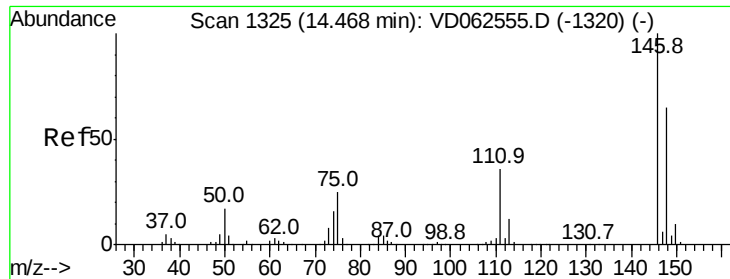
1000000

500000

0

Time-->

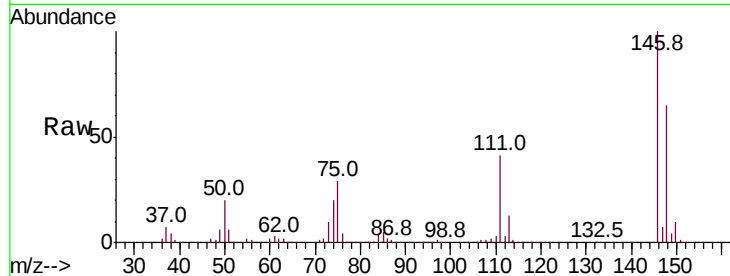




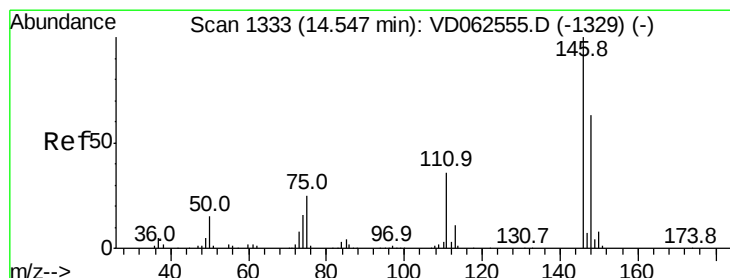
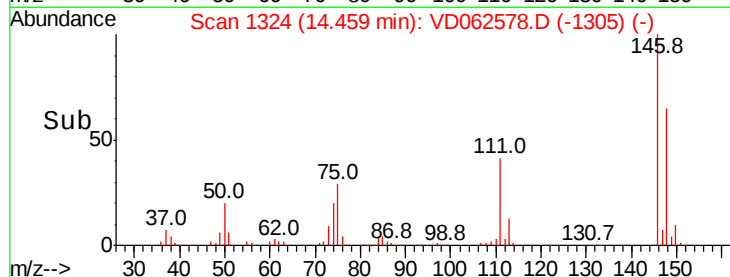
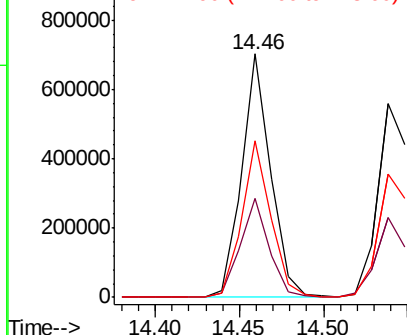
#87
 1,3-Dichlorobenzene
 Concen: 58.959 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 835741
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.4
 148 64.5 32.3 96.9

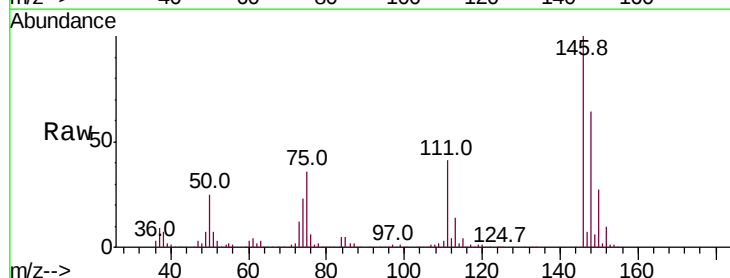


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

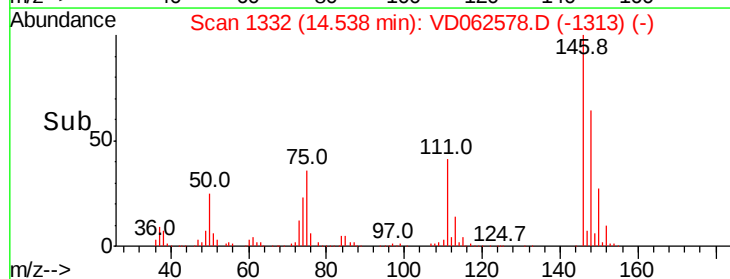
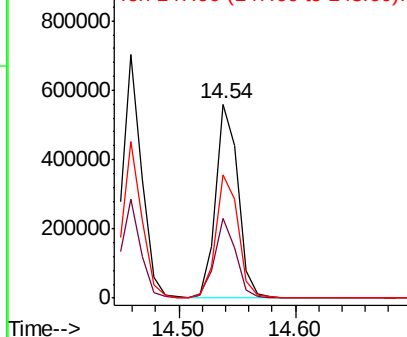


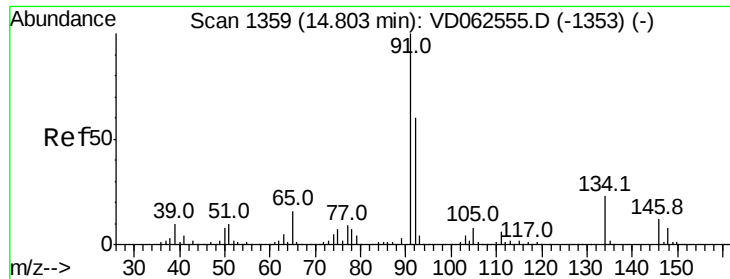
#88
 1,4-Dichlorobenzene
 Concen: 52.159 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion:146 Resp: 740924
 Ion Ratio Lower Upper
 146 100
 111 41.3 18.2 54.6
 148 63.6 31.6 94.8



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





#89

n-Butylbenzene

Concen: 53.737 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062578.D

Acq: 31 May 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

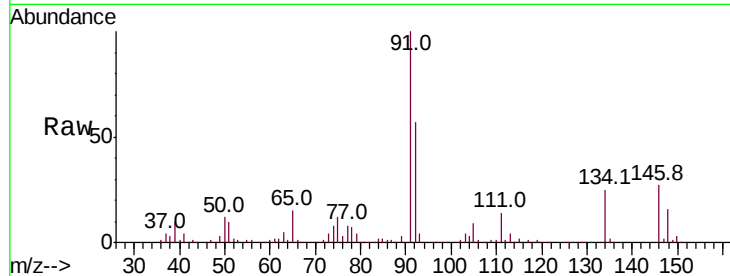
Tot Ion: 91 Resp: 1350096

Ion	Ratio	Lower	Upper
91	100		
92	57.1	29.8	89.4
134	25.5	11.3	33.8

91 100

92 57.1 29.8 89.4

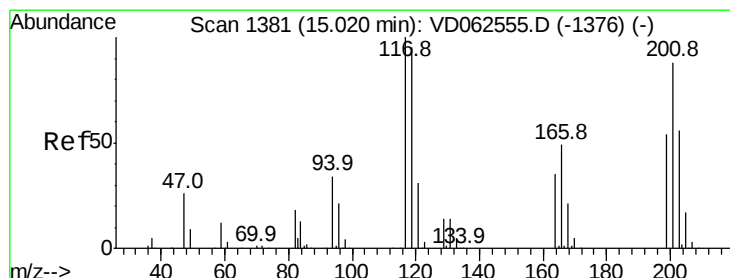
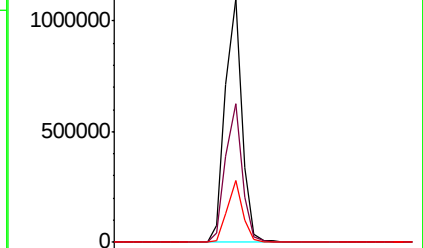
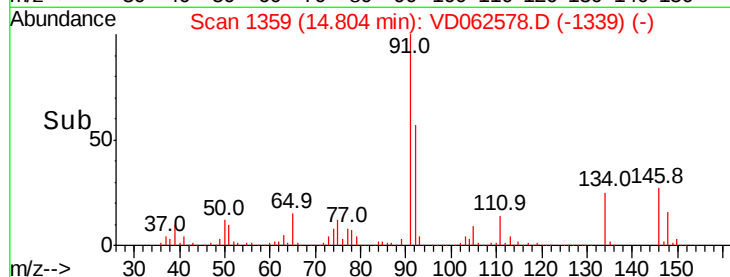
134 25.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.633 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062578.D

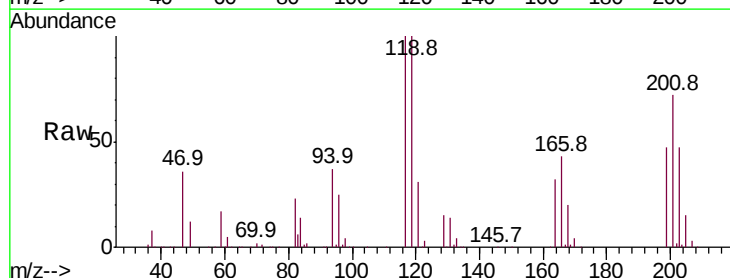
Acq: 31 May 2019 21:46

Tgt Ion: 117 Resp: 422869

Ion	Ratio	Lower	Upper
117	100		
201	71.9	43.8	131.4

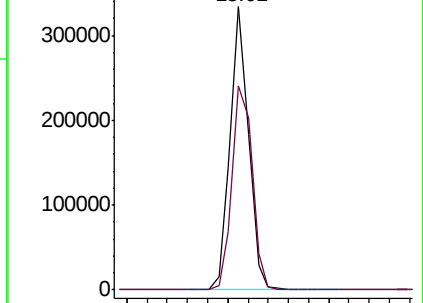
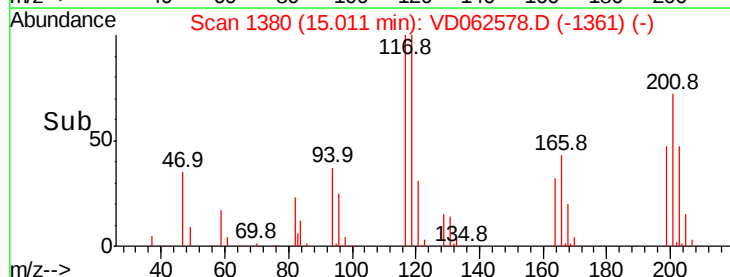
117 100

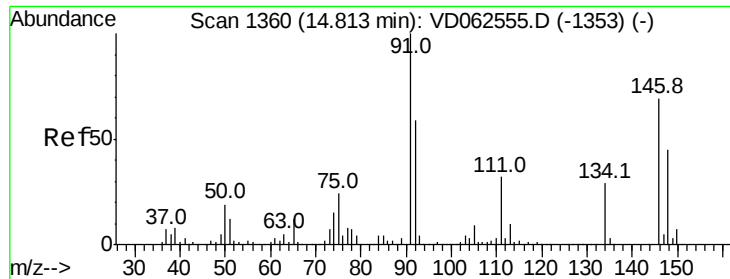
201 71.9 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

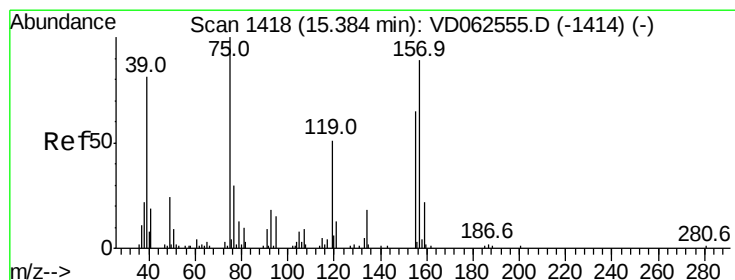
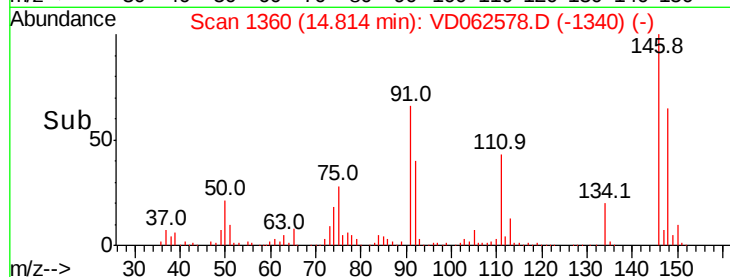
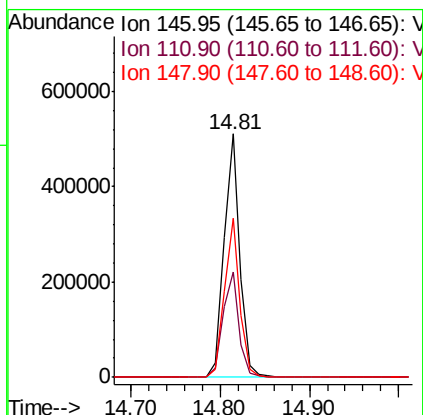
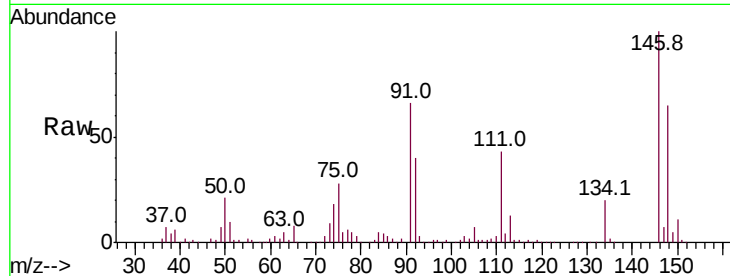




#91
 1,2-Dichlorobenzene
 Concen: 53.578 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

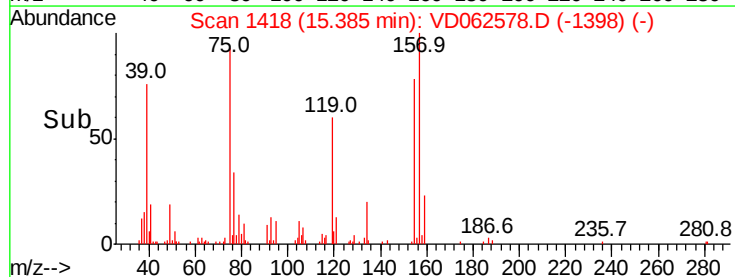
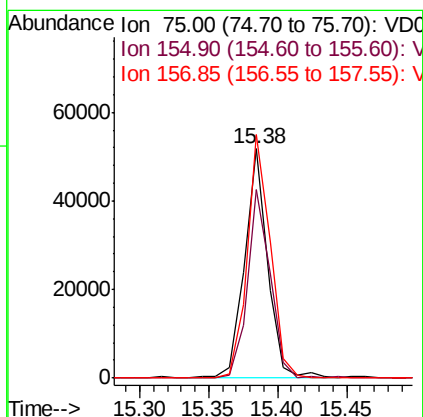
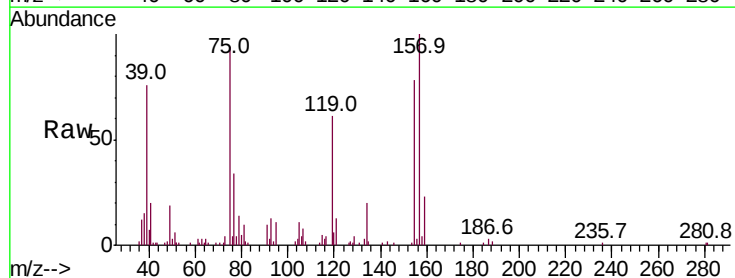
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

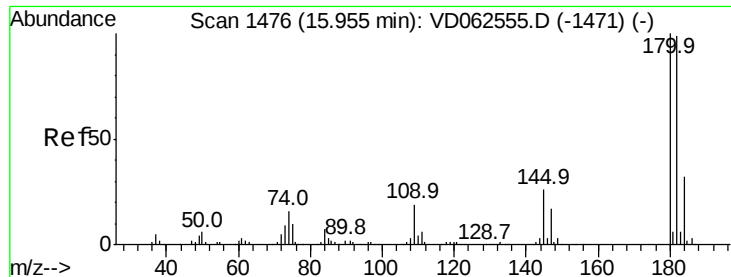
Tot Ion:146 Resp: 638892
 Ion Ratio Lower Upper
 146 100
 111 43.3 22.8 68.4
 148 65.2 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.005 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion: 75 Resp: 60815
 Ion Ratio Lower Upper
 75 100
 155 82.6 32.6 97.8
 157 106.3 44.5 133.7

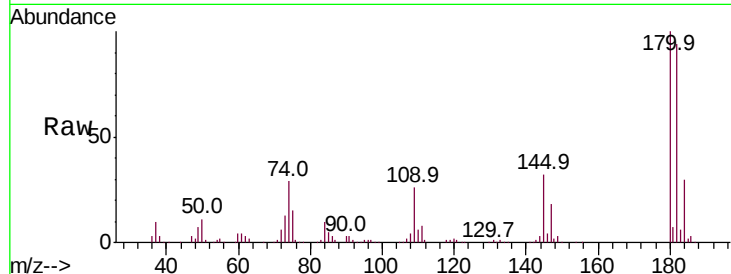




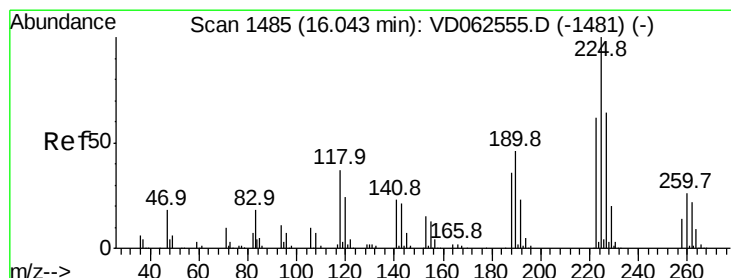
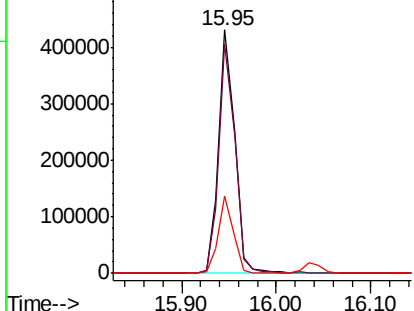
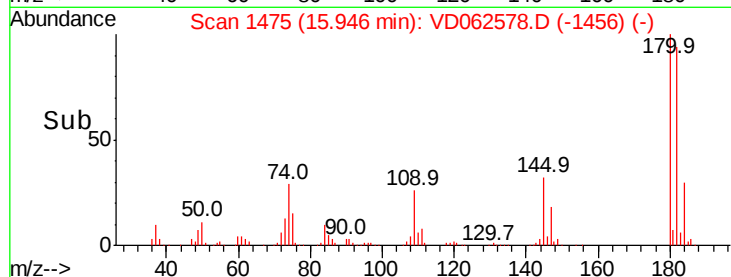
#93
 1,2,4-Trichlorobenzene
 Concen: 53.723 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	49.5	148.3
145	31.6	13.1	39.3

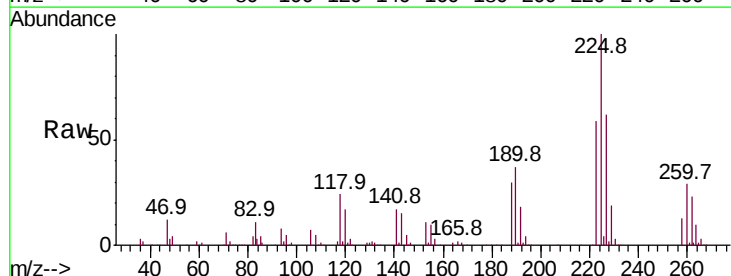


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

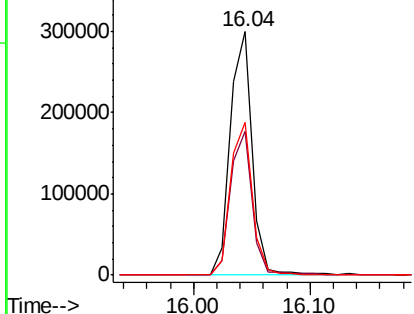
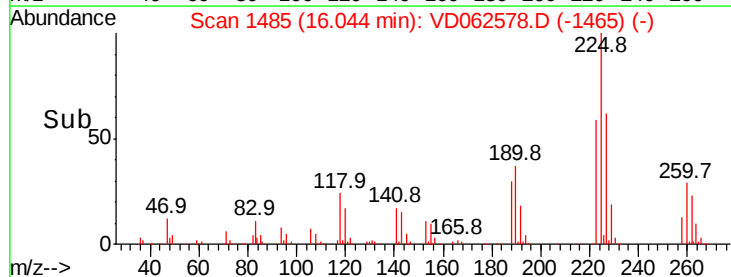


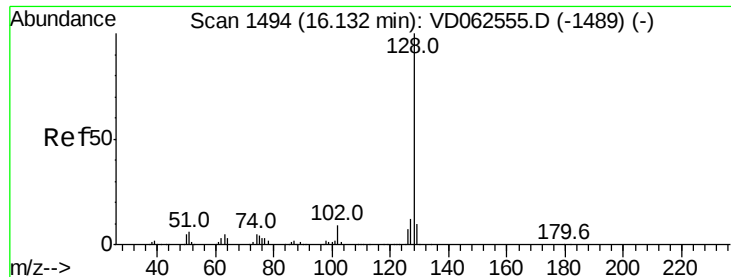
#94
 Hexachlorobutadiene
 Concen: 55.353 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062578.D
 Acq: 31 May 2019 21:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.1	93.5
227	62.5	32.1	96.5



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

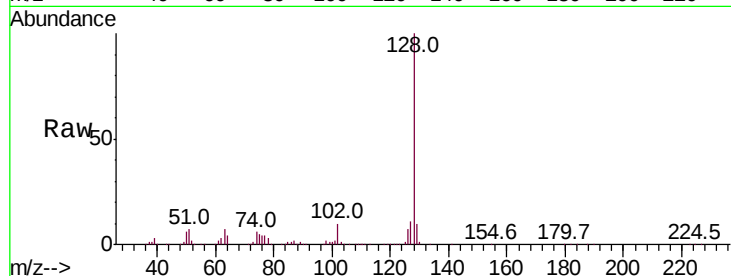




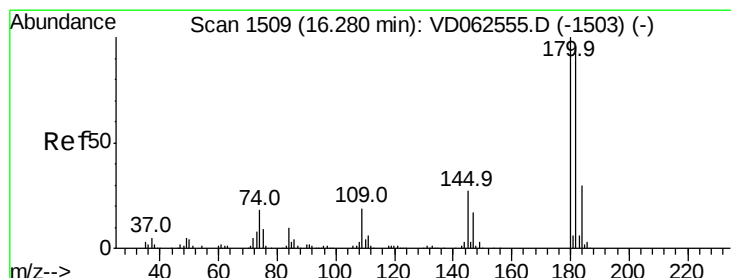
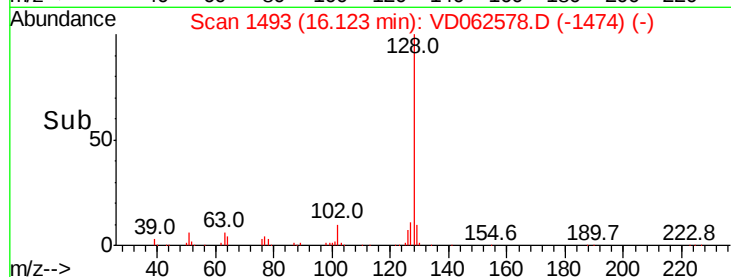
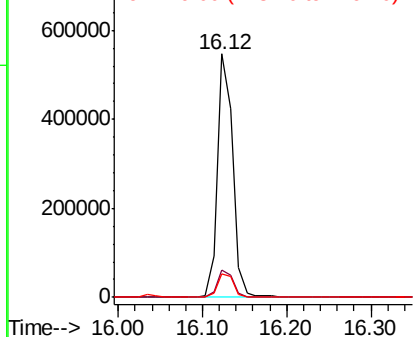
#95
Naphthalene
Concen: 53.129 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 689891
Ion Ratio Lower Upper
128 100
127 11.1 9.7 14.5
129 9.7 8.2 12.2

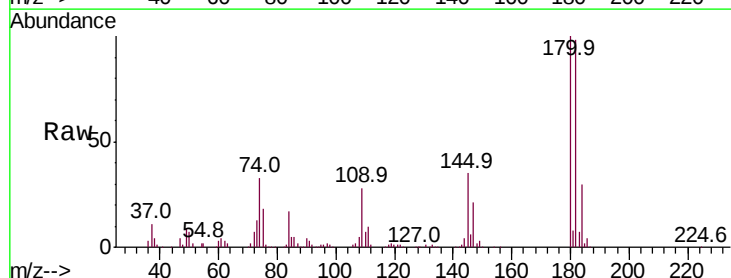


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.020 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062578.D
Acq: 31 May 2019 21:46

Tgt Ion:180 Resp: 356265
Ion Ratio Lower Upper
180 100
182 98.3 48.1 144.3
145 34.5 13.3 39.9



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

