

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062556.D
 Acq On : 30 May 2019 17:13
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

Quant Time: May 31 02:33:41 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	7.07	168	898760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1142352	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1019038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	561498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	554485	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	6.95	113	585955	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
50) Toluene-d8	10.43	98	1232129	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
62) 4-Bromofluorobenzene	13.56	95	527461	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	505541	48.498	ug/l	97
3) Chloromethane	1.75	50	450337	44.727	ug/l	98
4) Vinyl Chloride	1.86	62	410685	51.577	ug/l	99
5) Bromomethane	2.16	94	163079	63.067	ug/l	96
6) Chloroethane	2.28	64	196680	52.674	ug/l	97
7) Trichlorofluoromethane	2.55	101	878830	52.227	ug/l	98
8) Diethyl Ether	2.88	74	120622	55.879	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	508594	51.182	ug/l	89
10) Methyl Iodide	3.31	142	692465	61.415	ug/l	99
11) Tert butyl alcohol	4.09	59	110704	246.293	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	377054	53.638	ug/l	97
13) Acrolein	3.05	56	46933	239.640	ug/l	83
14) Allyl chloride	3.63	41	582509	53.049	ug/l	98
15) Acrylonitrile	4.21	53	290614	270.463	ug/l	94
16) Acetone	3.24	43	568175	274.408	ug/l	95
17) Carbon Disulfide	3.38	76	1192453	52.186	ug/l	97
18) Methyl Acetate	3.66	43	148451	43.927	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	885296	51.988	ug/l	97
20) Methylene Chloride	3.84	84	365893	47.737	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	422342	52.943	ug/l	98
22) Diisopropyl ether	5.15	45	1149287	51.233	ug/l	98
23) Vinyl Acetate	5.09	43	3592811	264.102	ug/l	97
24) 1,1-Dichloroethane	5.01	63	748354	51.695	ug/l	98
25) 2-Butanone	6.10	43	500490	256.657	ug/l	94
26) 2,2-Dichloropropane	6.04	77	853586	53.151	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	456167	55.630	ug/l	94
28) Bromochloromethane	6.45	49	263043	52.585	ug/l	88
29) Tetrahydrofuran	6.48	42	222496	254.713	ug/l	97
30) Chloroform	6.68	83	895648	51.344	ug/l	96
31) Cyclohexane	6.98	56	491141	50.181	ug/l	94
32) 1,1,1-Trichloroethane	6.89	97	971625	53.521	ug/l	96
36) 1,1-Dichloropropene	7.16	75	654762	57.578	ug/l	96
37) Ethyl Acetate	6.21	43	249810	52.107	ug/l	97
38) Carbon Tetrachloride	7.13	117	1013118m	59.840	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.88	83	545247	56.633	ug/l	98
40) Benzene	7.48	78	1313433	58.848	ug/l	100
41) Methacrylonitrile	6.47	41	313655	55.596	ug/l	91
42) 1,2-Dichloroethane	7.60	62	711269	57.212	ug/l	97
43) Isopropyl Acetate	9.26	43	323622	54.236	ug/l #	96
44) Trichloroethene	8.56	130	497725	55.821	ug/l	97
45) 1,2-Dichloropropane	8.96	63	314768	57.524	ug/l	99
46) Dibromomethane	9.08	93	262605	57.135	ug/l	95
47) Bromodichloromethane	9.40	83	709096	55.994	ug/l	98
48) Methyl methacrylate	9.14	41	220333	55.441	ug/l	97
49) 1,4-Dioxane	9.09	88	40437	1252.687	ug/l #	87
51) 4-Methyl-2-Pentanone	10.32	43	1109329	266.478	ug/l	97
52) Toluene	10.52	92	877077	57.618	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	630921	58.967	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	625456	56.226	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	266325	53.284	ug/l	97
56) Ethyl methacrylate	11.06	69	324568	60.925	ug/l	96
57) 1,3-Dichloropropane	11.43	76	436081	56.596	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	676022	247.427	ug/l	98
59) 2-Hexanone	11.54	43	846871	290.027	ug/l	97
60) Dibromochloromethane	11.70	129	543918	55.999	ug/l	100
61) 1,2-Dibromoethane	11.82	107	353783	58.840	ug/l	98
64) Tetrachloroethene	11.28	164	449808	49.933	ug/l	95
65) Chlorobenzene	12.41	112	1042566	52.517	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	491943	52.398	ug/l	96
67) Ethyl Benzene	12.54	91	1880080	51.690	ug/l	97
68) m/p-Xylenes	12.68	106	1366356	108.595	ug/l	98
69) o-Xylene	13.06	106	612862	51.061	ug/l	90
70) Styrene	13.08	104	1023860	50.239	ug/l	95
71) Bromoform	13.25	173	349324	53.003	ug/l	92
73) Isopropylbenzene	13.41	105	1921698	51.913	ug/l	100
74) N-amyl acetate	13.28	43	483083	51.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	310824	52.944	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	367255	54.518	ug/l	94
77) Bromobenzene	13.68	156	492987	48.573	ug/l	91
78) n-propylbenzene	13.79	91	2250563	52.746	ug/l	94
79) 2-Chlorotoluene	13.85	91	1299911	52.542	ug/l	96
80) 1,3,5-Trimethylbenzene	13.95	105	1518875	48.018	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	94498	48.956	ug/l	89
82) 4-Chlorotoluene	13.96	91	1464878	49.458	ug/l	95
83) tert-Butylbenzene	14.20	119	1732238	49.079	ug/l	91
84) 1,2,4-Trimethylbenzene	14.25	105	1542152	47.846	ug/l	95
85) sec-Butylbenzene	14.38	105	1943803	51.988	ug/l	100
86) p-Isopropyltoluene	14.50	119	1812465	51.885	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	932583	53.007	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	923633	52.387	ug/l	99
89) n-Butylbenzene	14.80	91	1686306	54.077	ug/l	99
90) Hexachloroethane	15.02	117	485159	52.350	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	788944	53.306	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	63209	51.924	ug/l #	54

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Quant Title : SW846 8260
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Response via : Initial Calibration

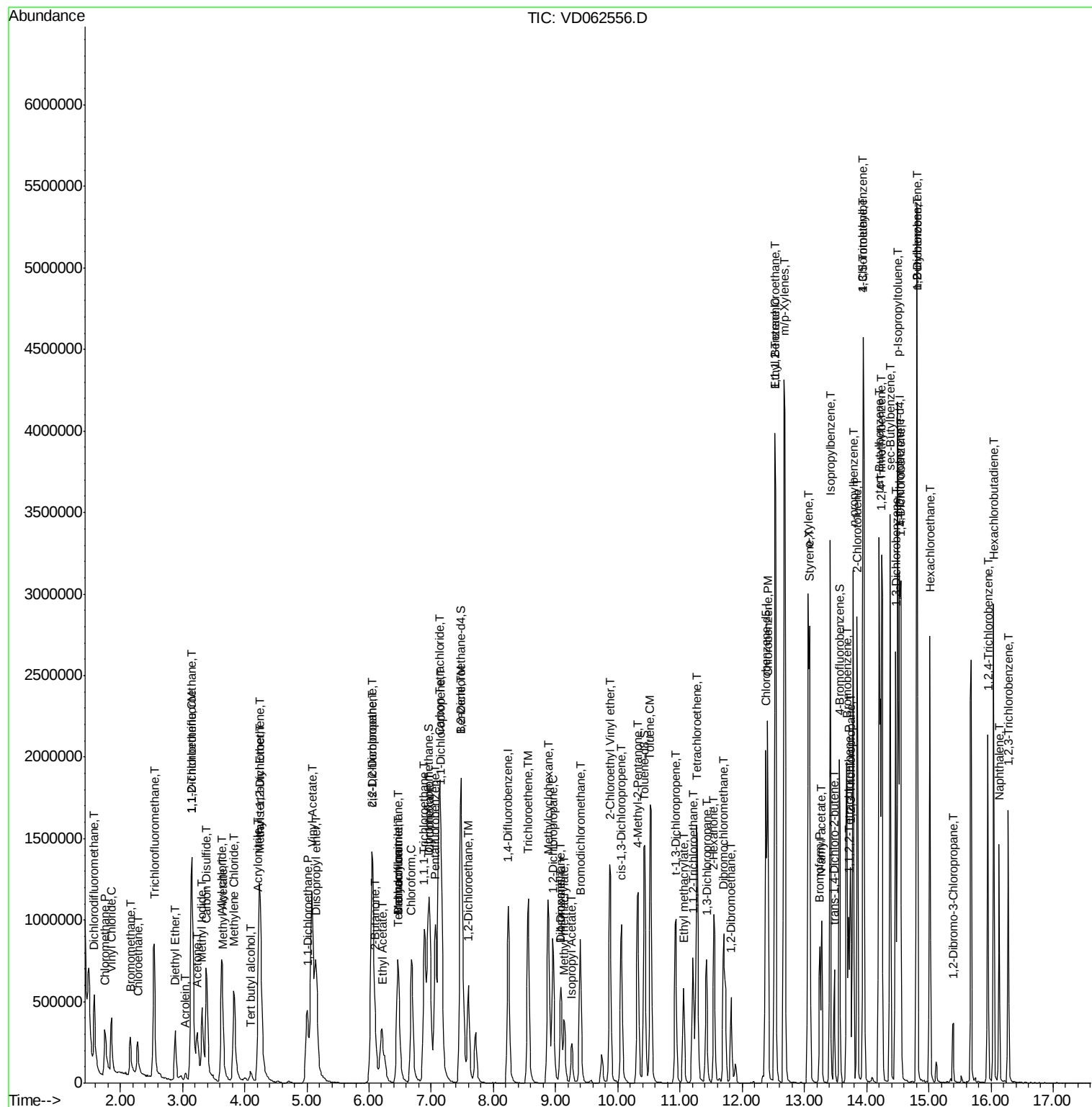
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	579030	48.928	ug/l	99
94) Hexachlorobutadiene	16.04	225	450116	51.523	ug/l	99
95) Naphthalene	16.13	128	830614	51.538	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	427949	48.410	ug/l	97

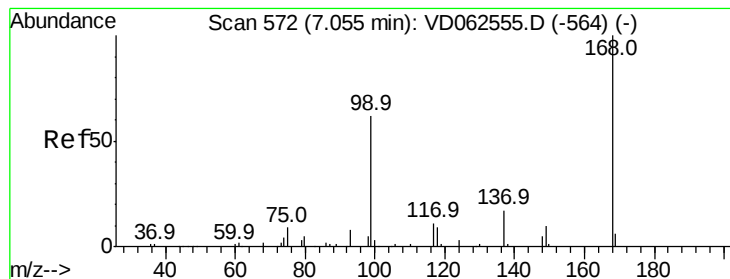
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

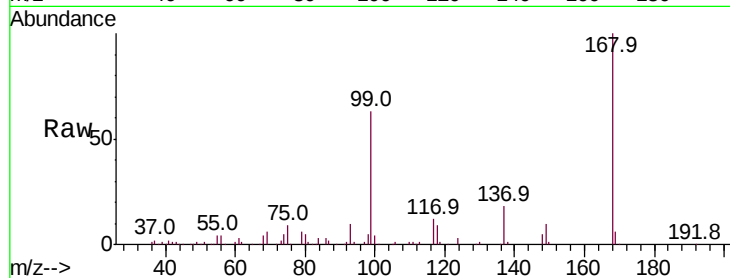
ICVVD053019

Tot Ion:168 Resp: 898760

Ion Ratio Lower Upper

168 100

99 63.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

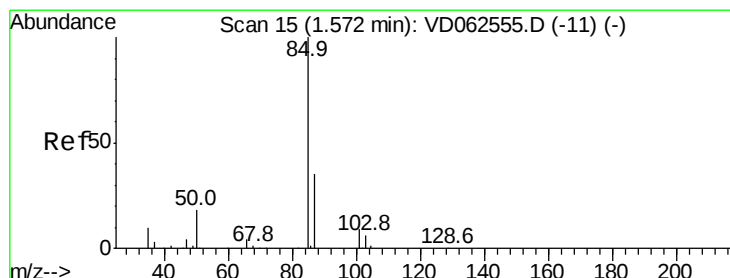
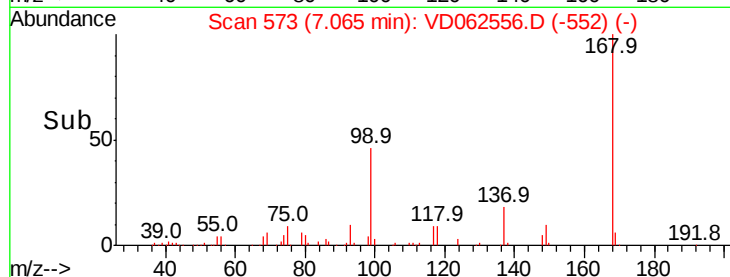
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 48.498 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062556.D

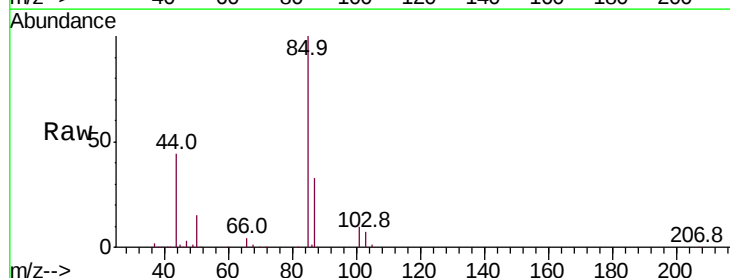
Acq: 30 May 2019 17:13

Tgt Ion: 85 Resp: 505541

Ion Ratio Lower Upper

85 100

87 33.3 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

250000

200000

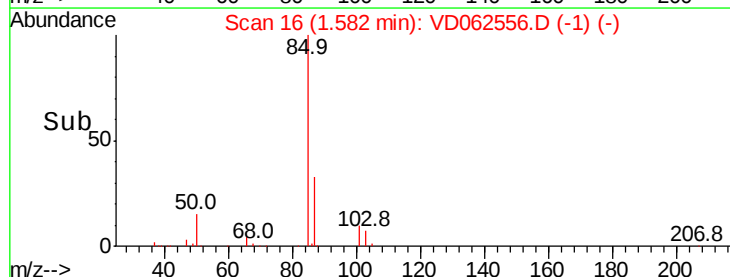
150000

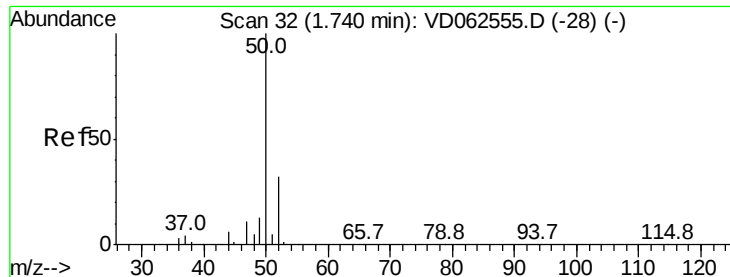
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 44.727 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

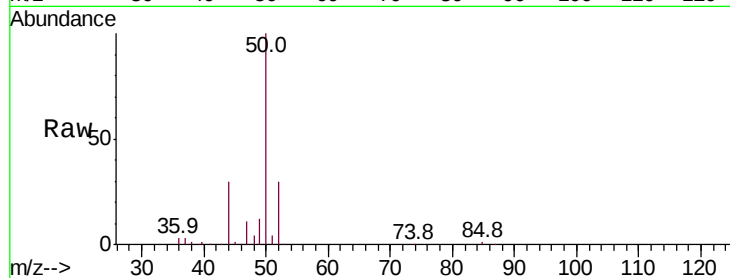
ICVVD053019

Tot Ion: 50 Resp: 450337

Ion Ratio Lower Upper

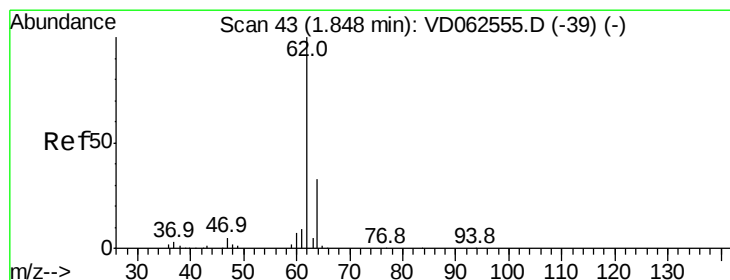
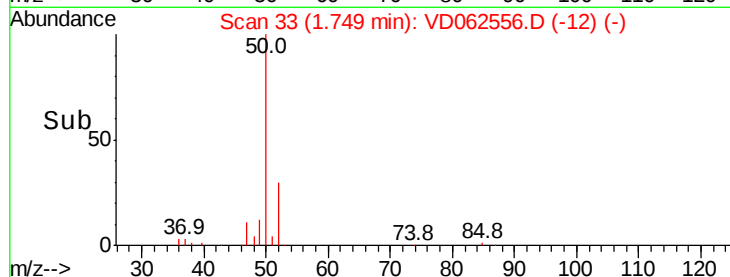
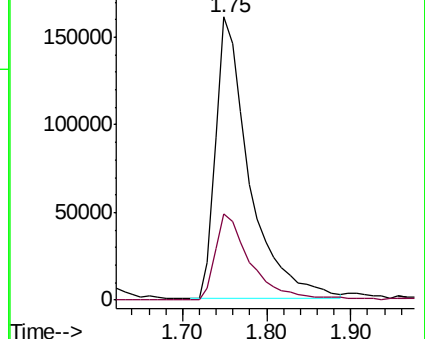
50 100

52 30.4 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.577 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062556.D

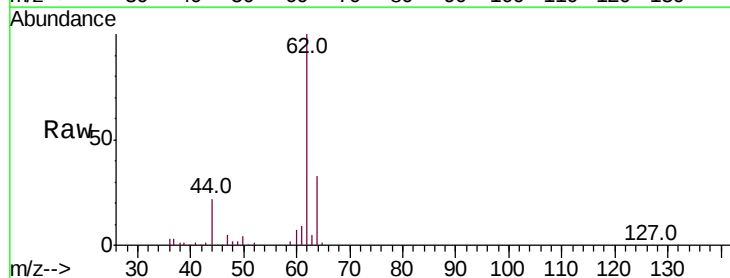
Acq: 30 May 2019 17:13

Tgt Ion: 62 Resp: 410685

Ion Ratio Lower Upper

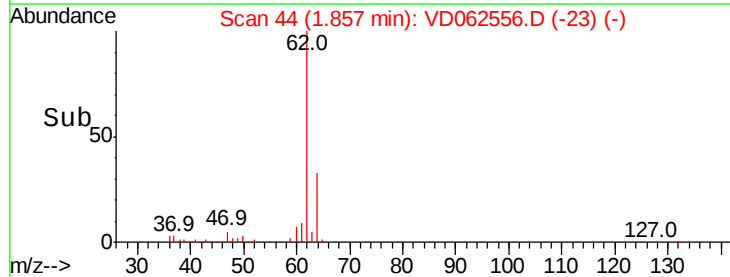
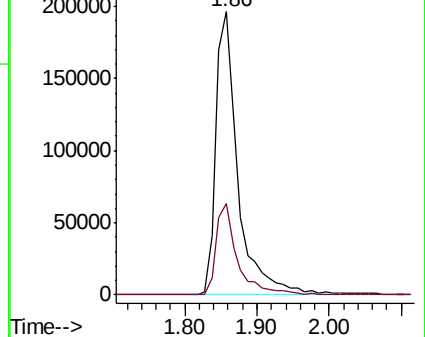
62 100

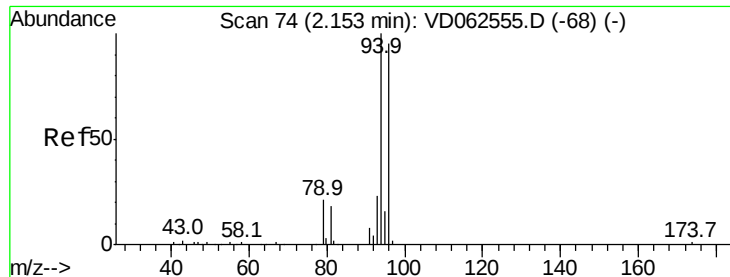
64 32.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 63.067 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

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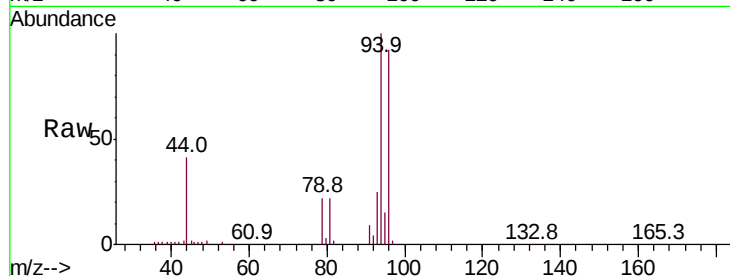
Tot Ion: 94 Resp: 163079

Ion Ratio Lower Upper

94 100

96 91.6 76.2 114.4

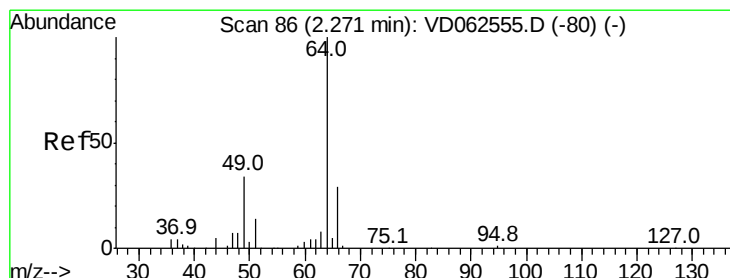
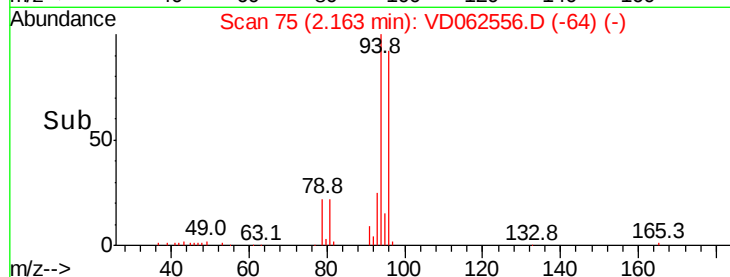
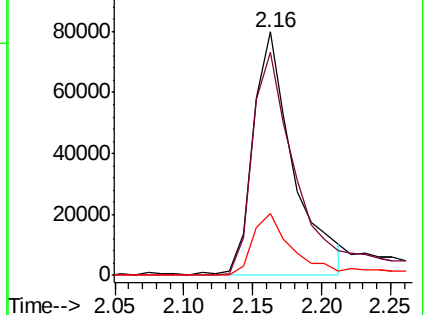
93 25.2 18.4 27.6



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: 52.674 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD062556.D

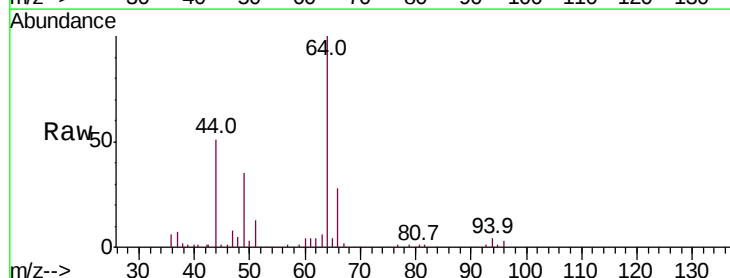
Acq: 30 May 2019 17:13

Tgt Ion: 64 Resp: 196680

Ion Ratio Lower Upper

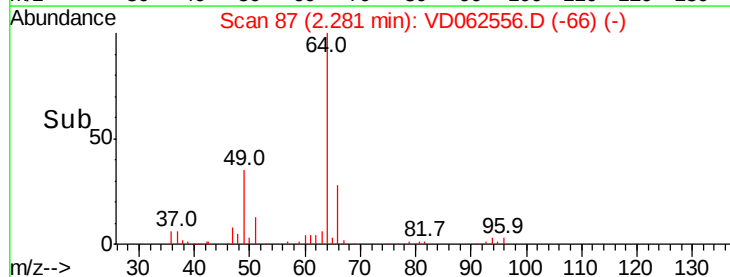
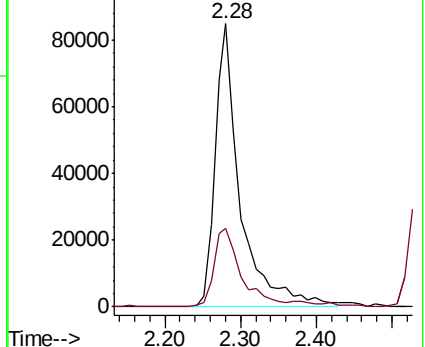
64 100

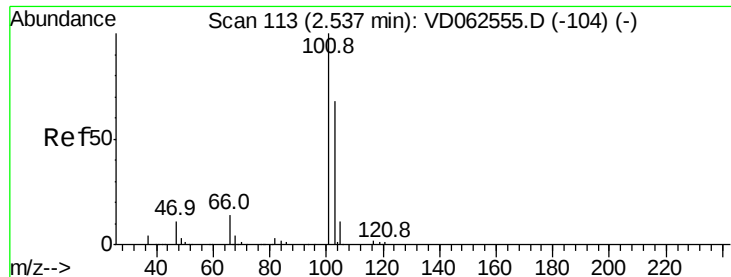
66 27.8 23.4 35.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



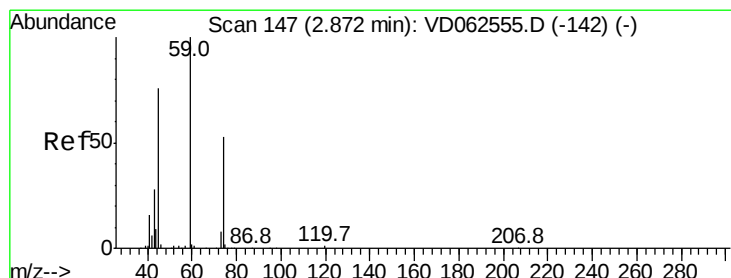
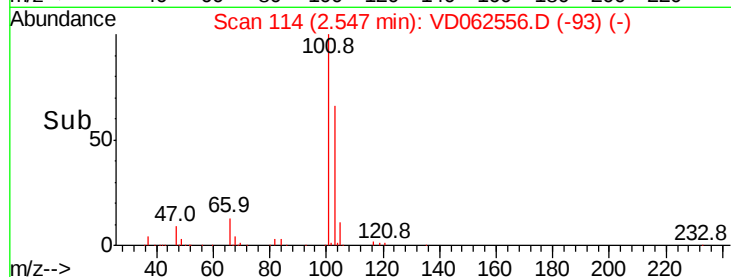
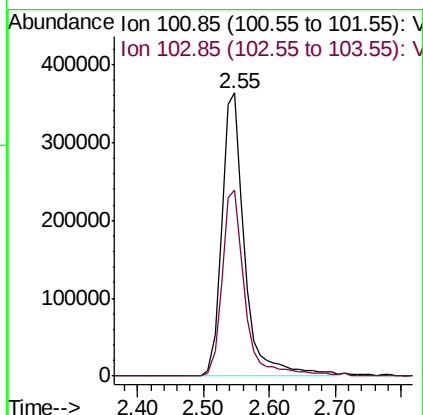
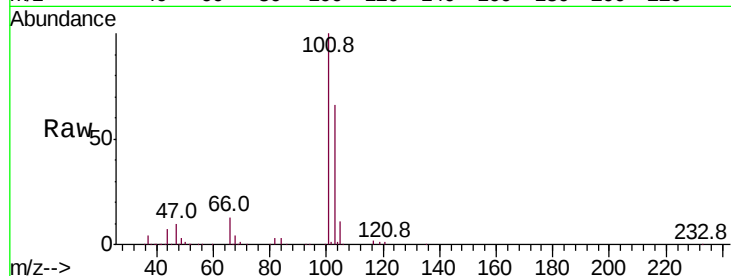


#7

Trichlorofluoromethane
 Concen: 52.227 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD062556.D
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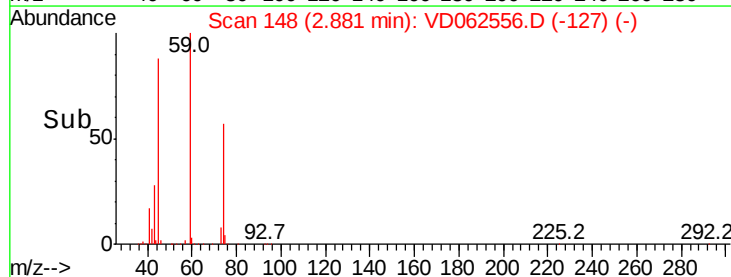
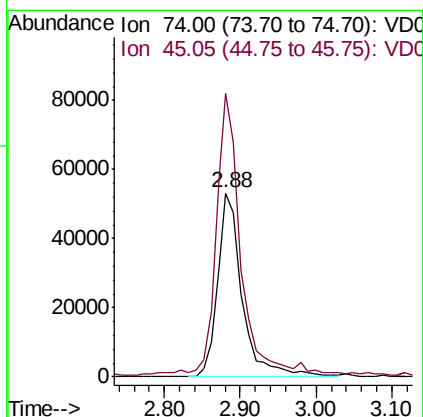
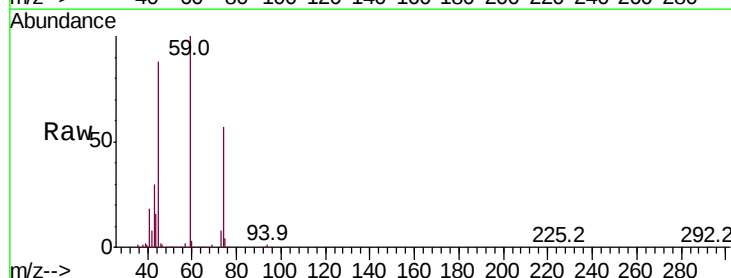
Tot Ion:101 Resp: 878830
 Ion Ratio Lower Upper
 101 100
 103 65.9 54.3 81.5

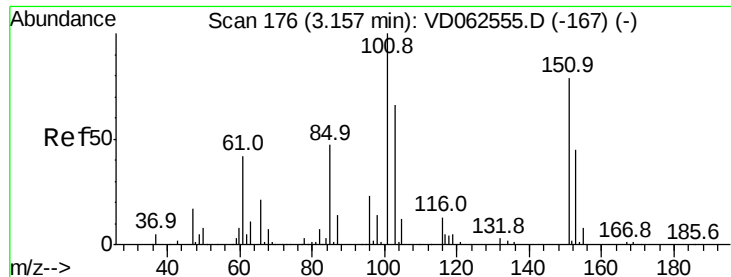


#8

Diethyl Ether
 Concen: 55.879 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion: 74 Resp: 120622
 Ion Ratio Lower Upper
 74 100
 45 154.1 71.9 215.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.182 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD062556.D

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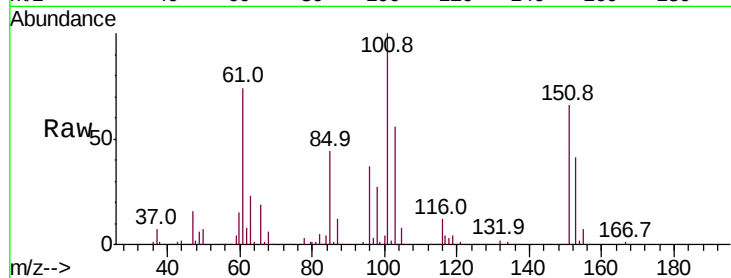
Tot Ion:101 Resp: 508594

Ion Ratio Lower Upper

101 100

85 44.1 37.6 56.4

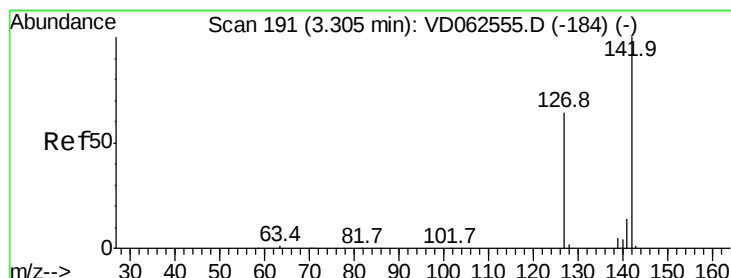
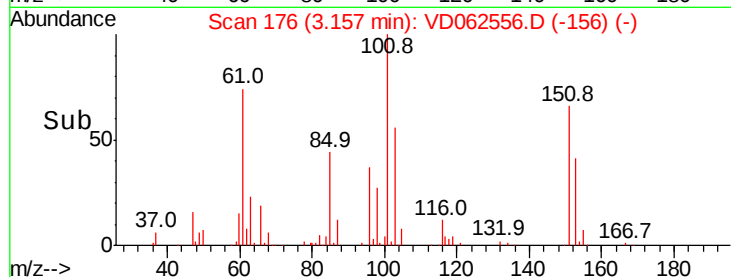
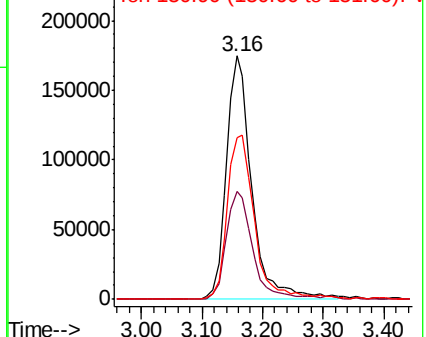
151 66.2 63.0 94.4



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: 61.415 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

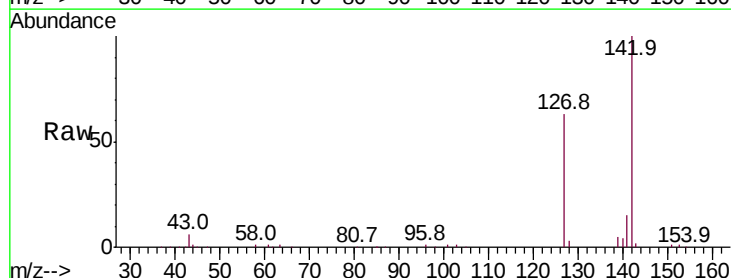
Tgt Ion:142 Resp: 692465

Ion Ratio Lower Upper

142 100

127 63.4 51.2 76.8

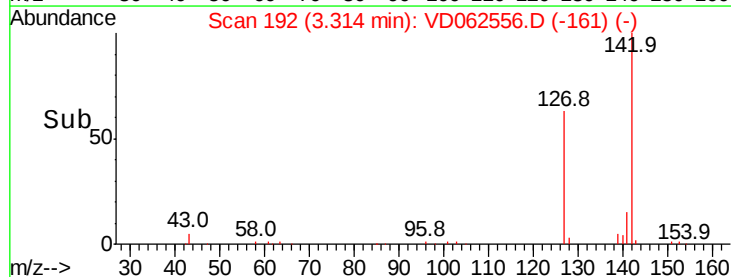
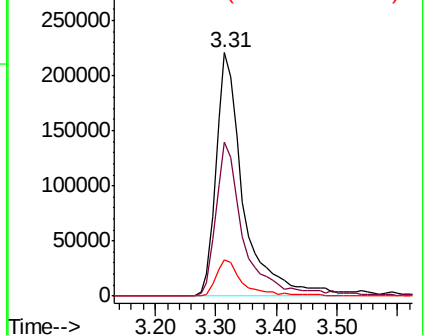
141 15.1 11.0 16.4

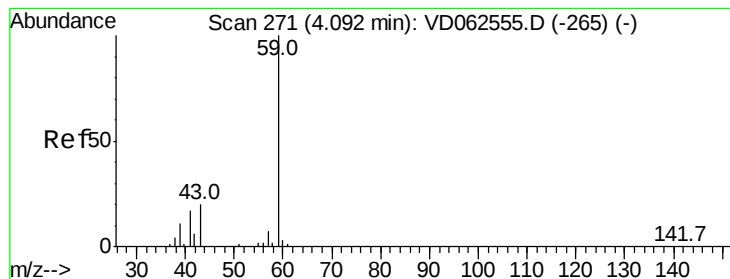


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



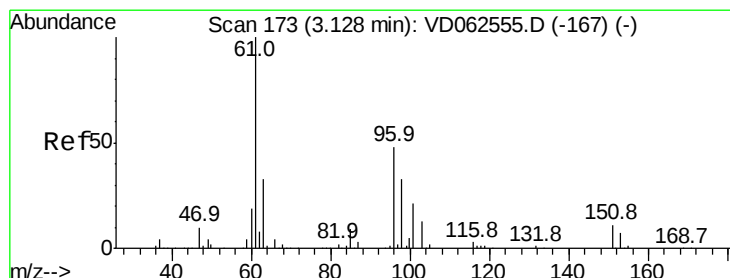
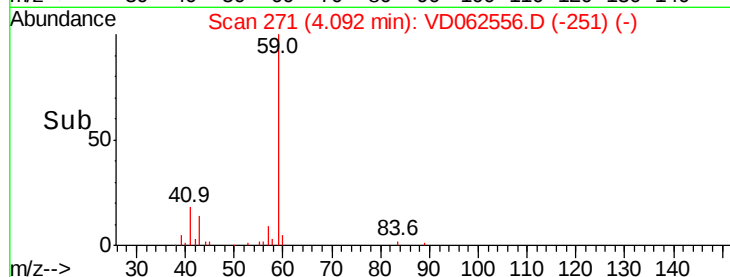
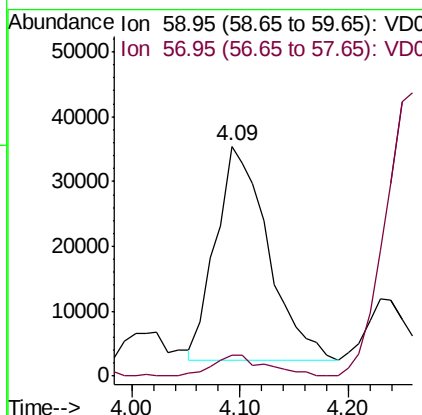
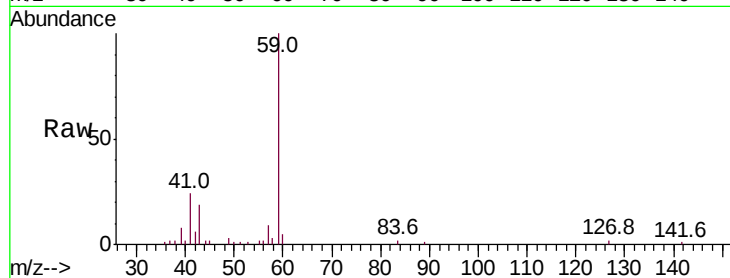


#11

Tert butyl alcohol
Concen: 246.293 ug/l
RT: 4.09 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

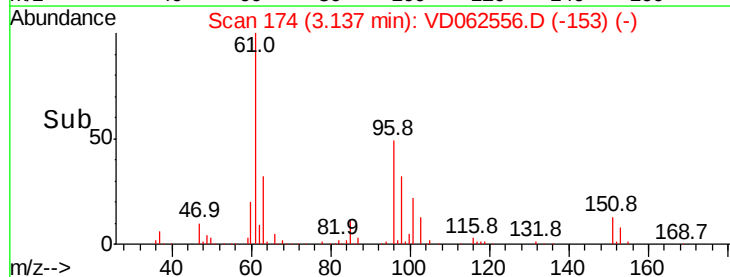
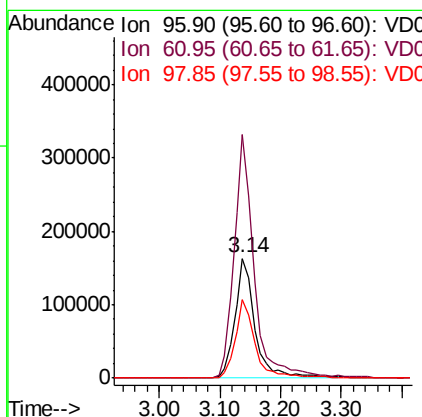
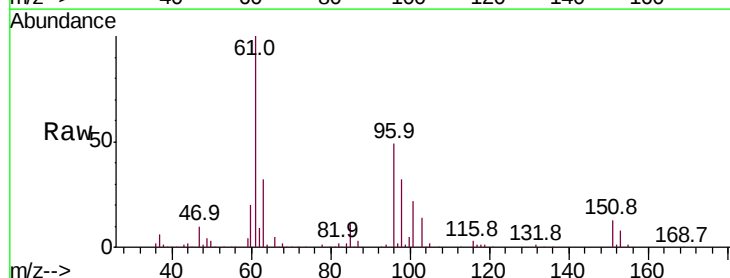
Tot Ion: 59 Resp: 110704
Ion Ratio Lower Upper
59 100
57 9.0 5.4 8.0#

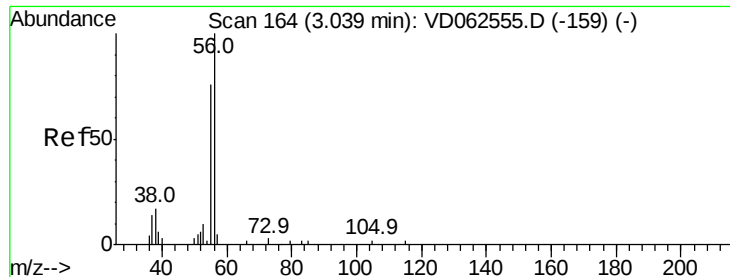


#12

1,1-Dichloroethene
Concen: 53.638 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion: 96 Resp: 377054
Ion Ratio Lower Upper
96 100
61 203.1 166.6 250.0
98 65.2 54.4 81.6





#13

Acrolein

Concen: 239.640 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

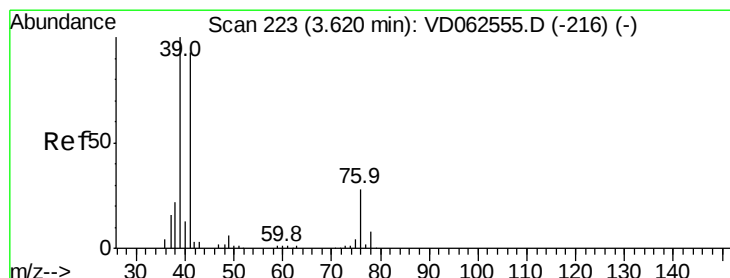
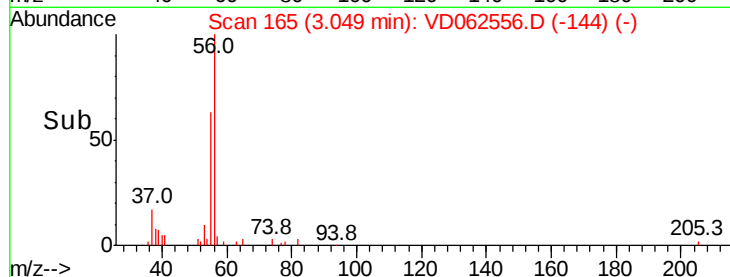
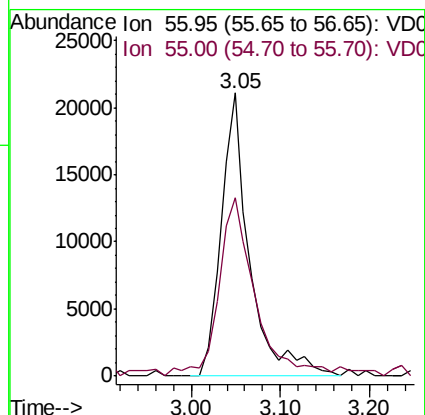
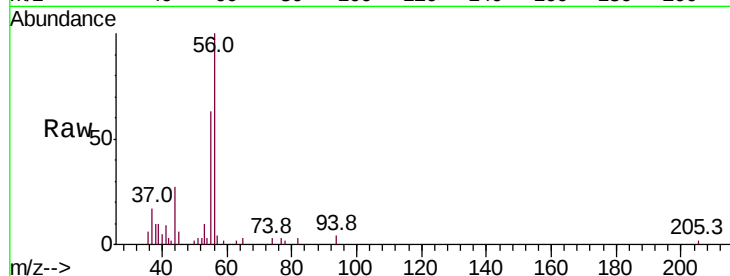
ICVVD053019

Tot Ion: 56 Resp: 46933

Ion Ratio Lower Upper

56 100

55 63.1 62.6 93.8



#14

Allyl chloride

Concen: 53.049 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

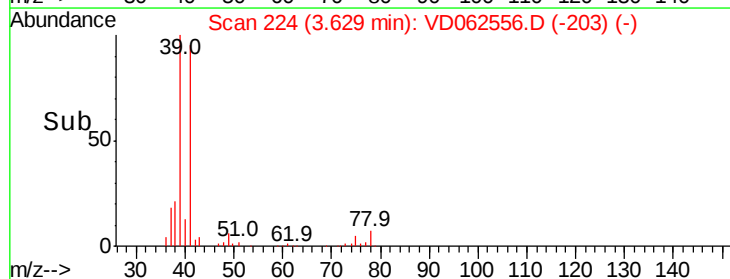
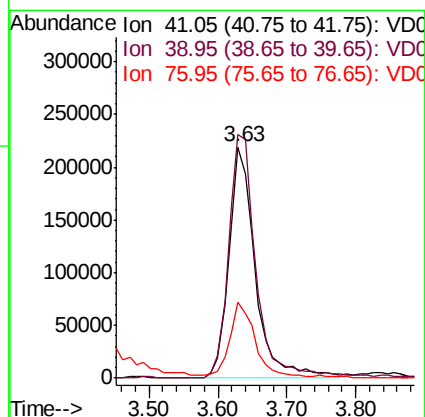
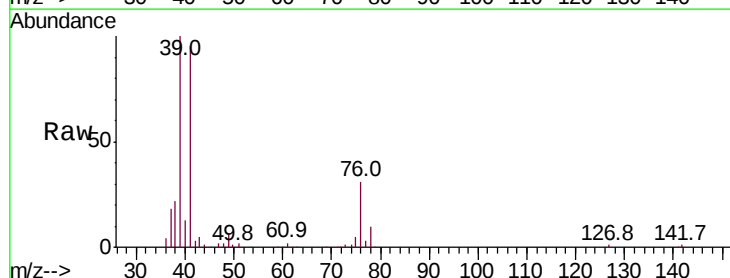
Tgt Ion: 41 Resp: 582509

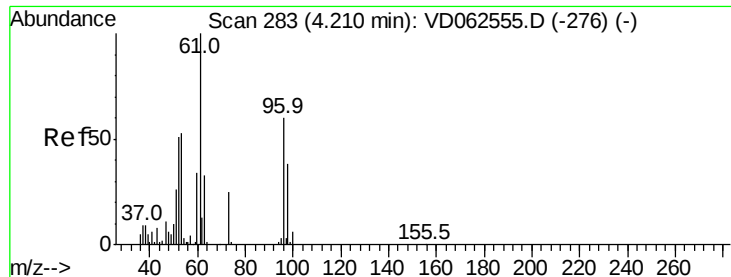
Ion Ratio Lower Upper

41 100

39 105.3 86.3 129.5

76 32.6 25.5 38.3





#15

Acrylonitrile

Concen: 270.463 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

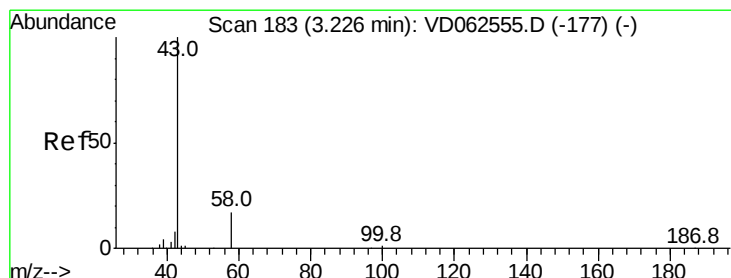
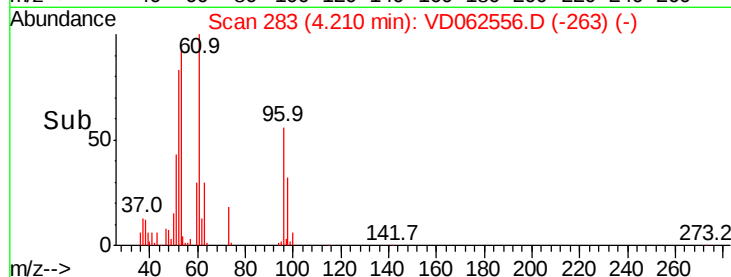
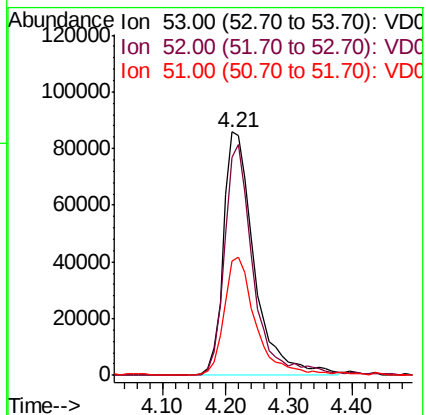
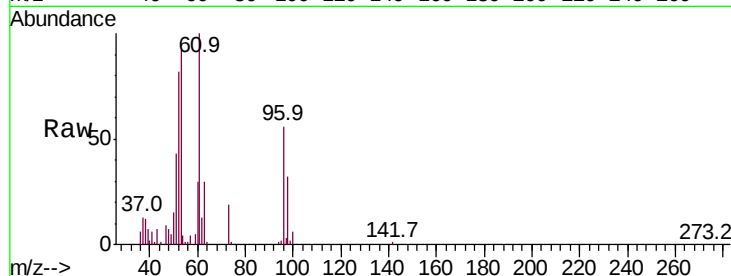
Tot Ion: 53 Resp: 290614

Ion Ratio Lower Upper

53 100

52 89.5 76.2 114.2

51 46.9 40.2 60.4



#16

Acetone

Concen: 274.408 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062556.D

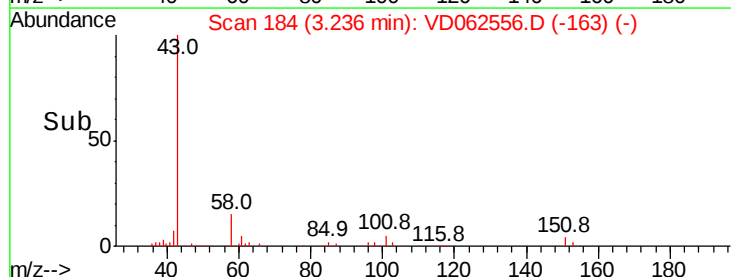
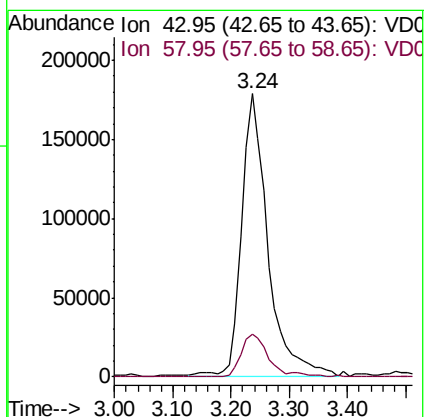
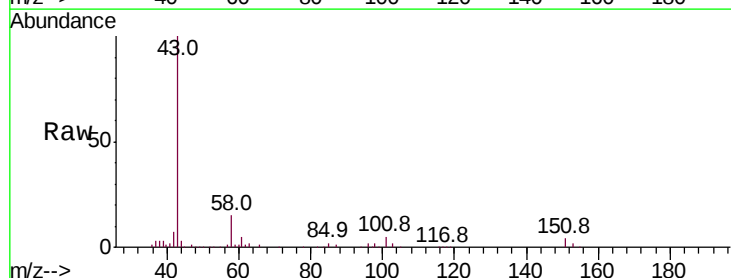
Acq: 30 May 2019 17:13

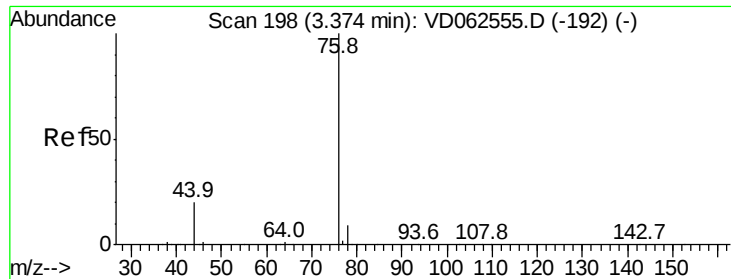
Tgt Ion: 43 Resp: 568175

Ion Ratio Lower Upper

43 100

58 15.0 13.8 20.8

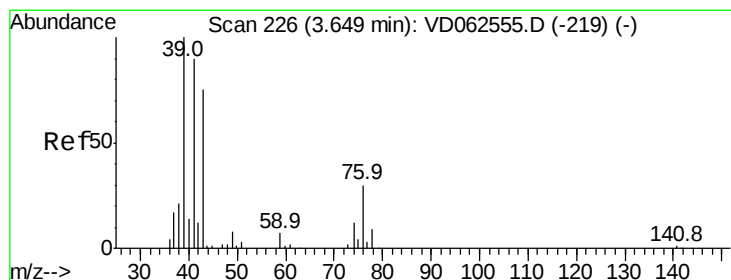
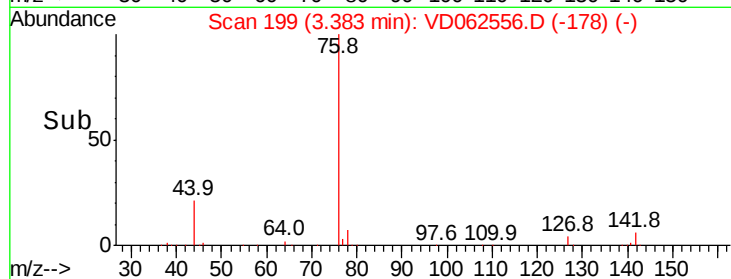
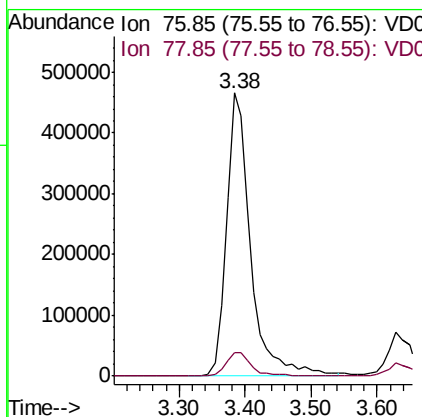
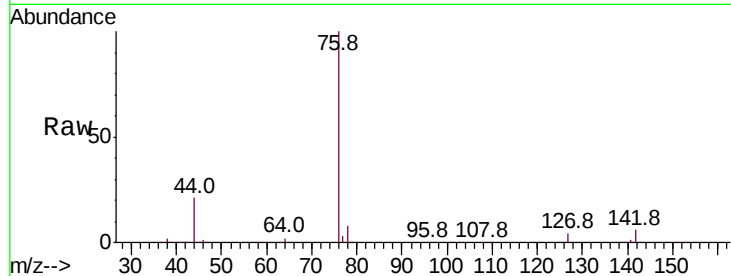




#17
Carbon Disulfide
Concen: 52.186 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

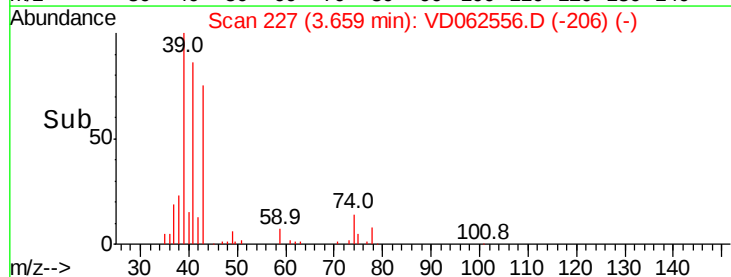
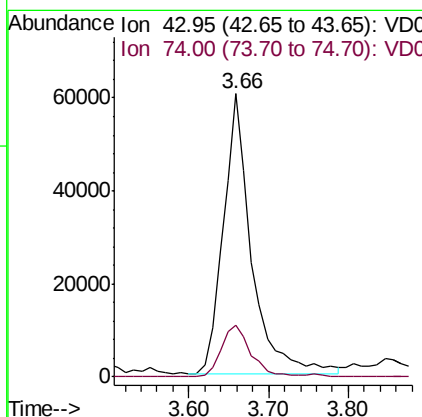
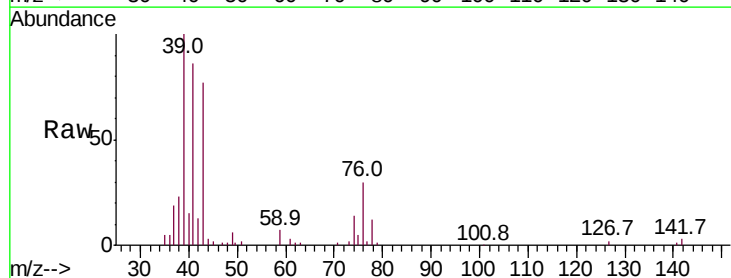
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

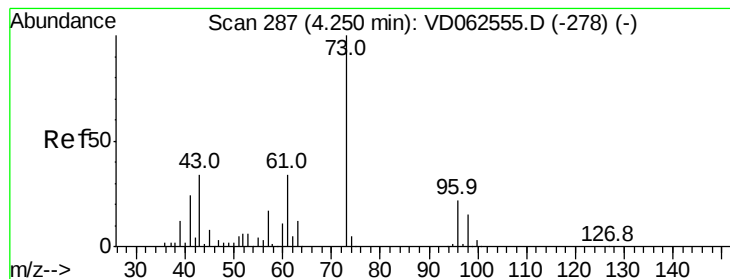
Tot Ion: 76 Resp: 1192453
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2



#18
Methyl Acetate
Concen: 43.927 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion: 43 Resp: 148451
Ion Ratio Lower Upper
43 100
74 18.2 12.5 18.7



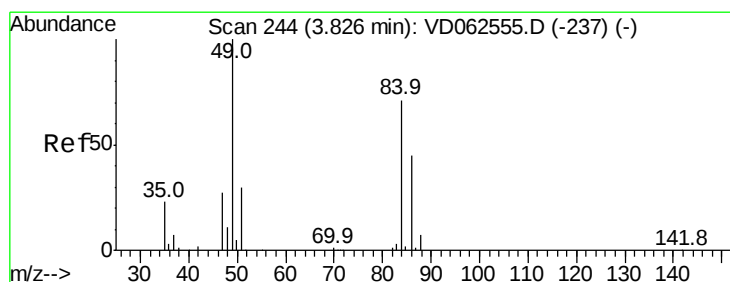
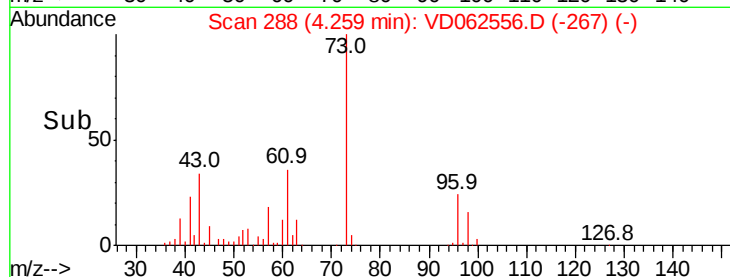
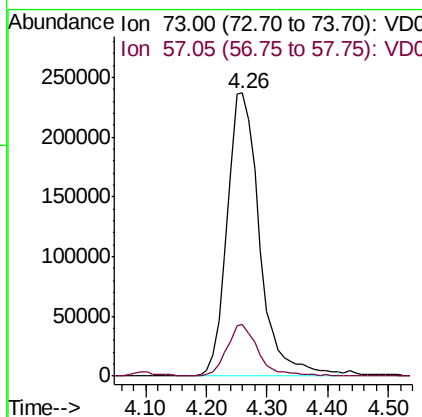
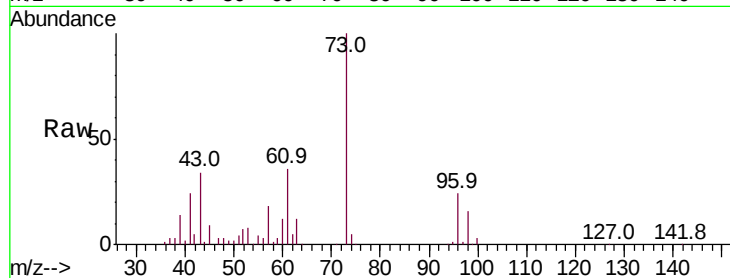


#19

Methyl tert-butyl Ether
 Concen: 51.988 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD053019

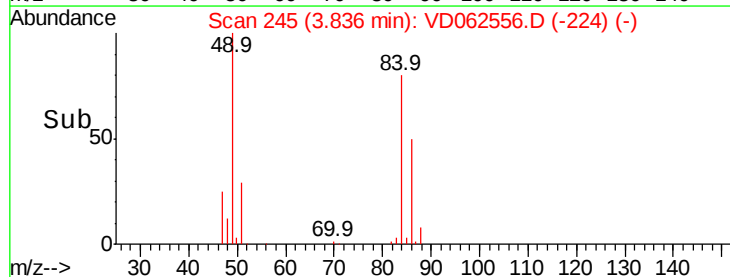
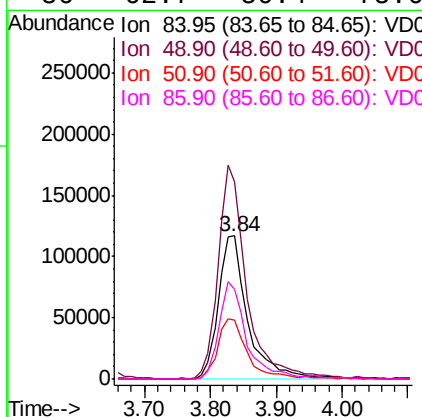
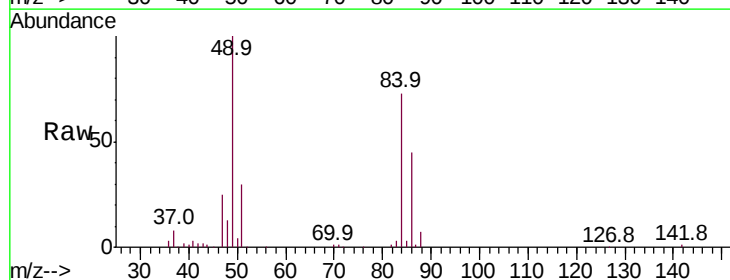
Tot Ion: 73 Resp: 885296
 Ion Ratio Lower Upper
 73 100
 57 18.4 13.8 20.8

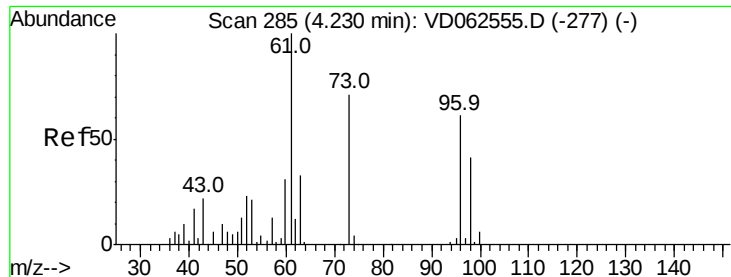


#20

Methylene Chloride
 Concen: 47.737 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion: 84 Resp: 365893
 Ion Ratio Lower Upper
 84 100
 49 137.9 112.3 168.5
 51 40.8 33.6 50.4
 86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 52.943 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

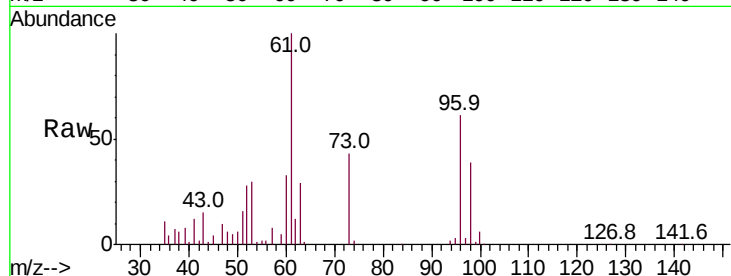
Tot Ion: 96 Resp: 422342

Ion Ratio Lower Upper

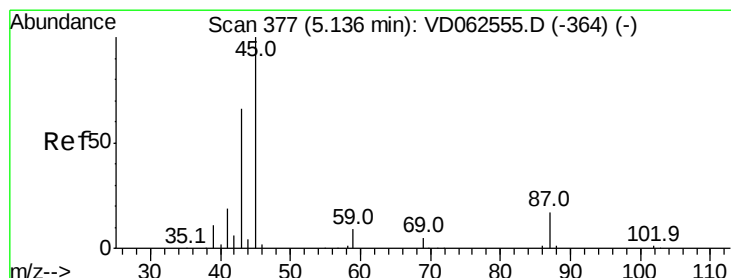
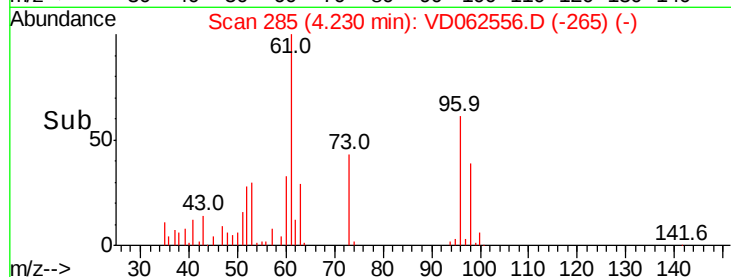
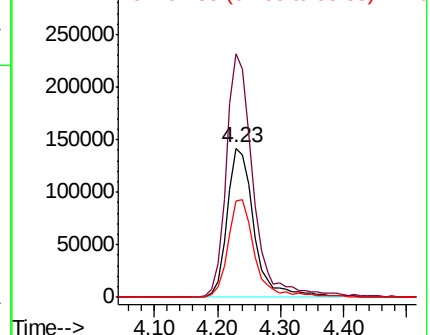
96 100

61 163.1 131.1 196.7

98 64.4 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: 51.233 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Tgt Ion: 45 Resp: 1149287

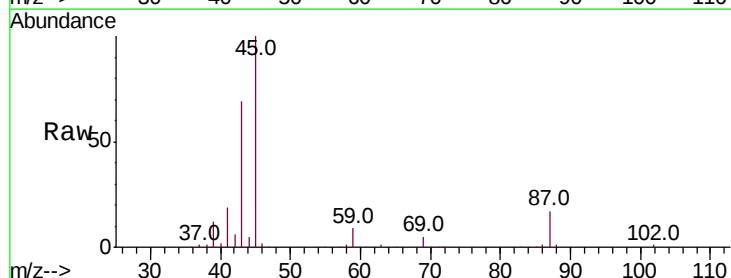
Ion Ratio Lower Upper

45 100

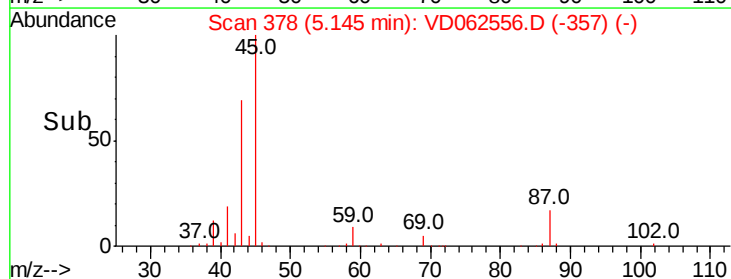
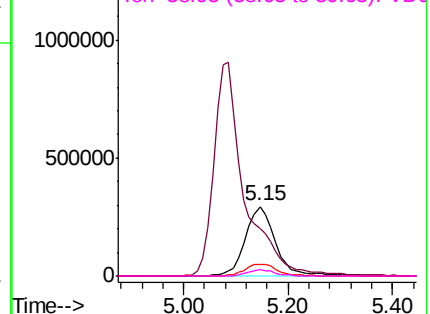
43 68.6 53.6 80.4

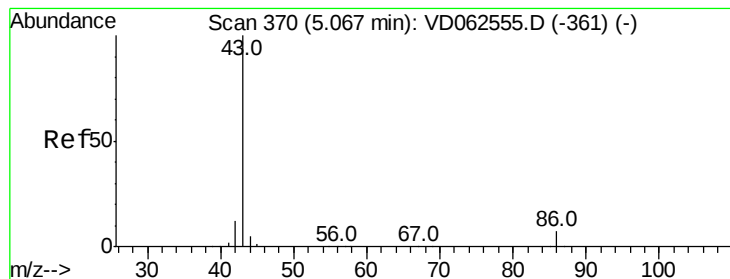
87 17.0 14.2 21.4

59 9.4 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: 264.102 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.02 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

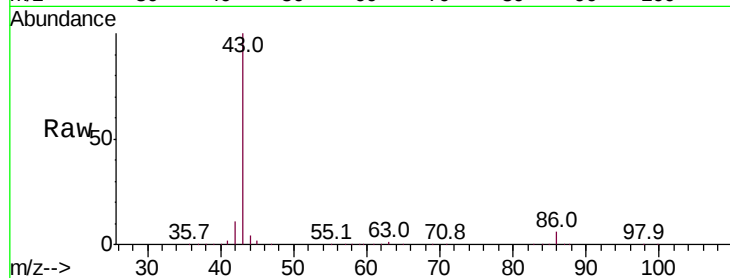
ICVVD053019

Tot Ion: 43 Resp: 3592811

Ion Ratio Lower Upper

43 100

86 5.8 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.09

800000

600000

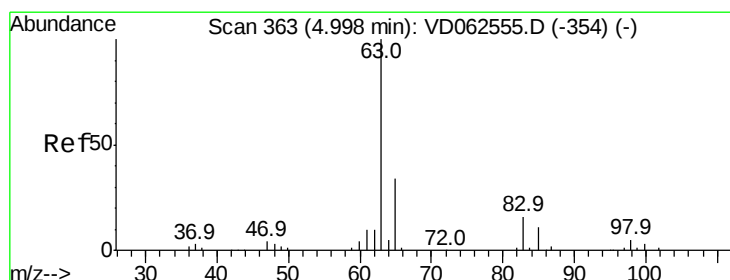
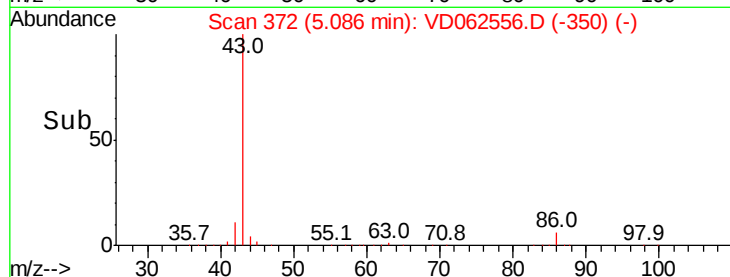
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 51.695 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

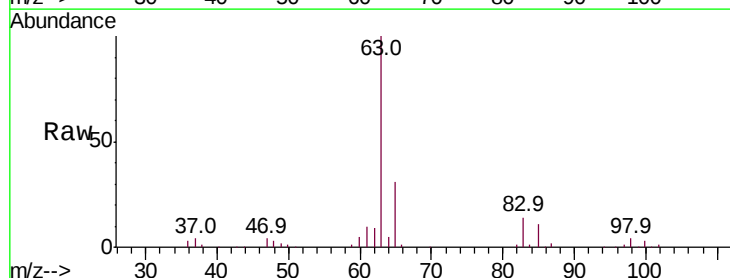
Tgt Ion: 63 Resp: 748354

Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.5

100 3.3 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

250000

200000

150000

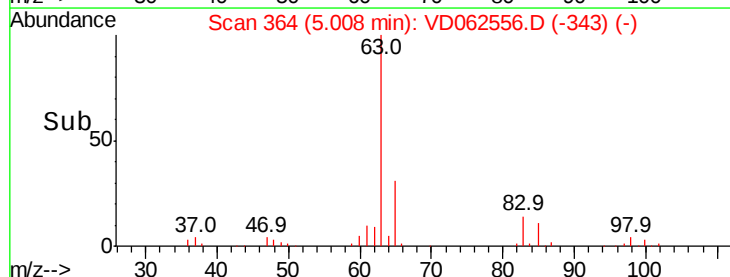
100000

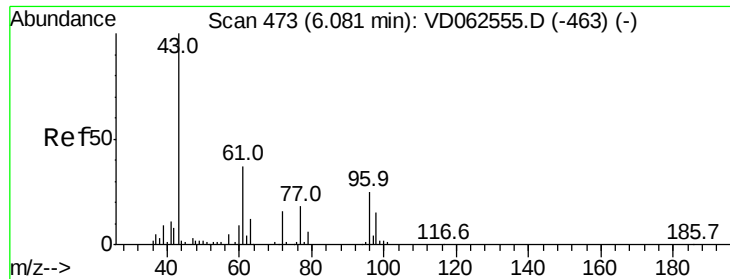
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 256.657 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.02 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

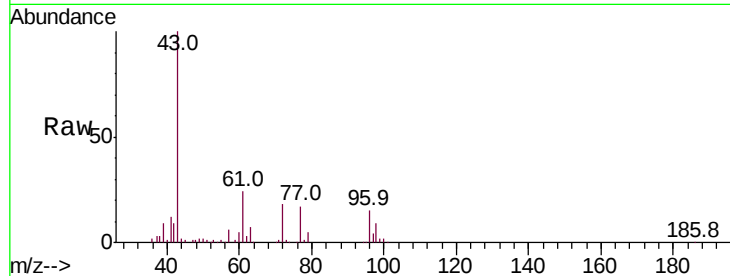
ICVVD053019

Tot Ion: 43 Resp: 500490

Ion Ratio Lower Upper

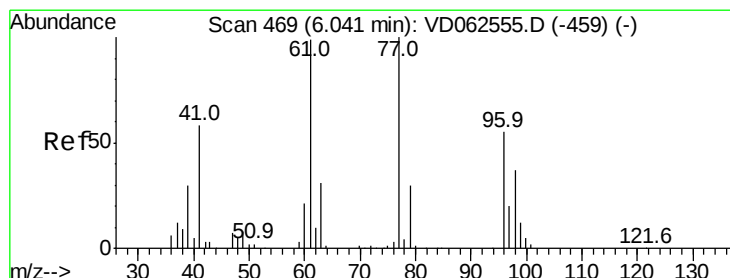
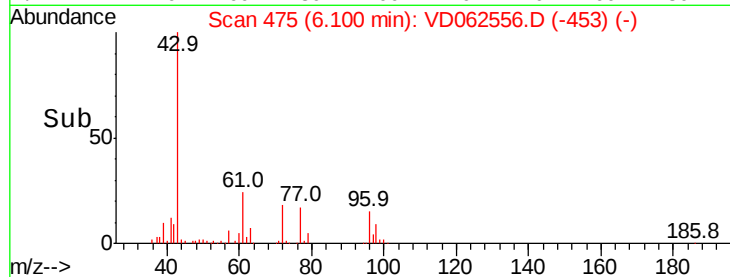
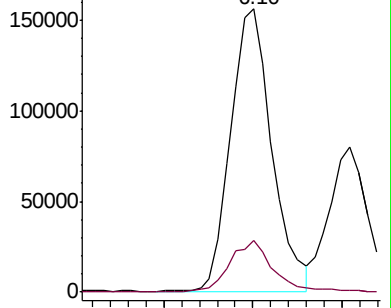
43 100

72 18.2 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.151 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062556.D

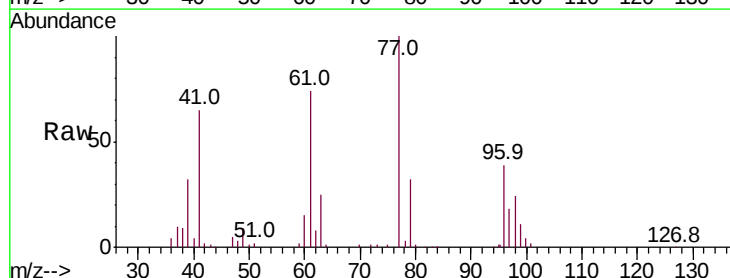
Acq: 30 May 2019 17:13

Tgt Ion: 77 Resp: 853586

Ion Ratio Lower Upper

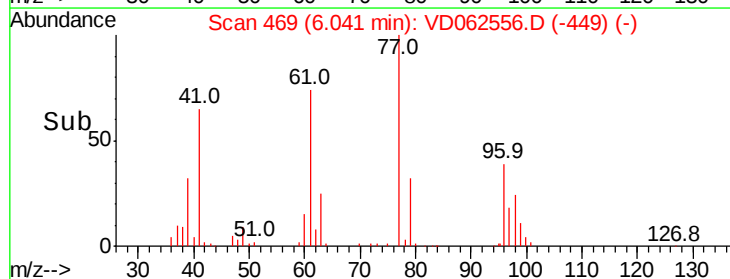
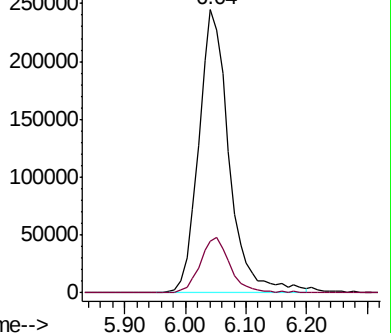
77 100

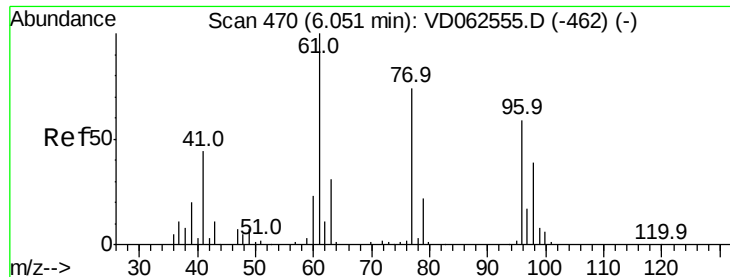
97 18.4 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



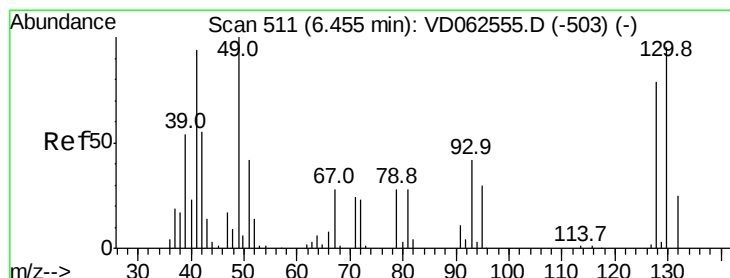
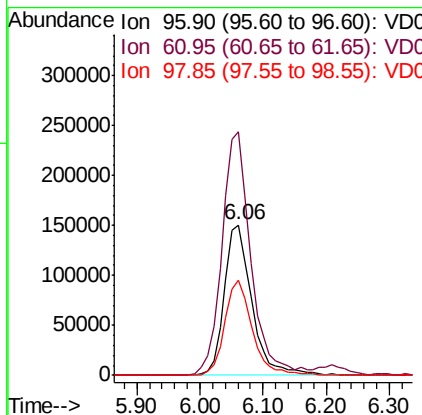
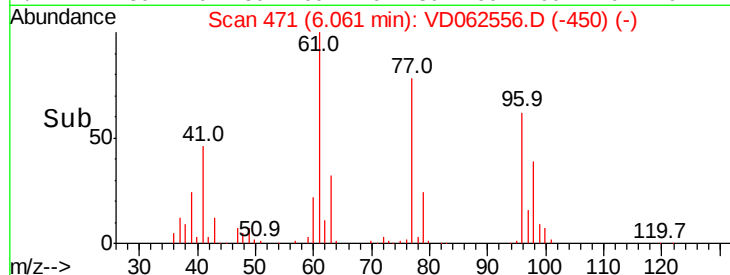
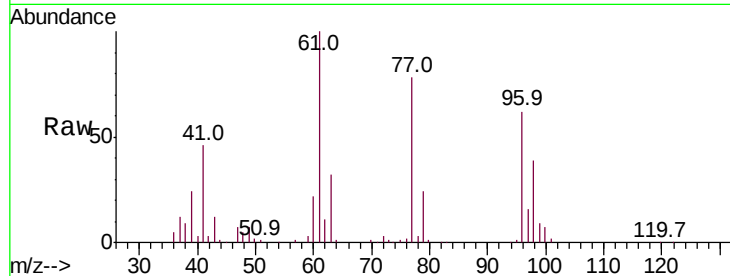


#27

cis-1,2-Dichloroethene
Concen: 55.630 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

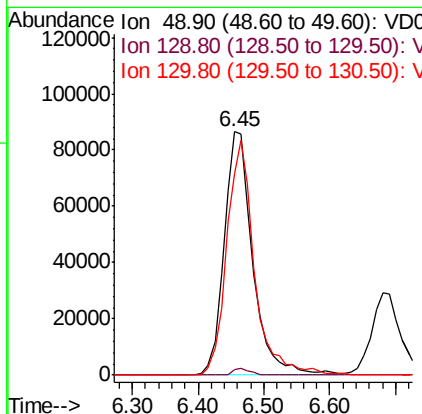
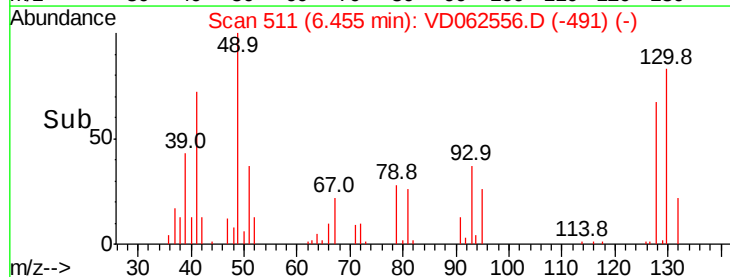
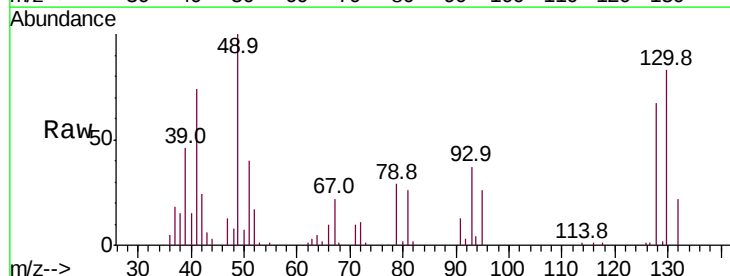
Tot Ion	96	Resp	456167
Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	342.4
98	63.5	0.0	134.6

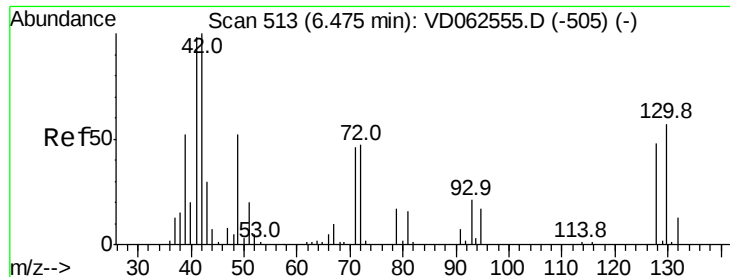


#28

Bromochloromethane
Concen: 52.585 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion	49	Resp	263043
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	82.6	75.8	113.8





#29

Tetrahydrofuran

Concen: 254.713 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

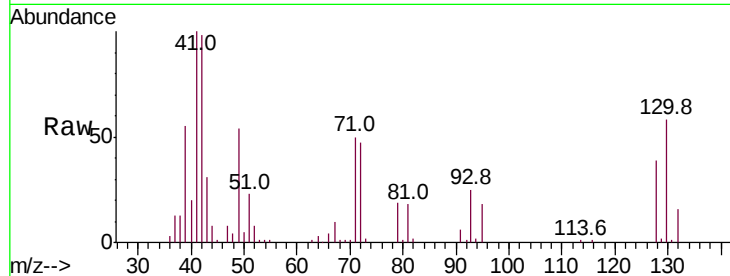
Tot Ion: 42 Resp: 222496

Ion Ratio Lower Upper

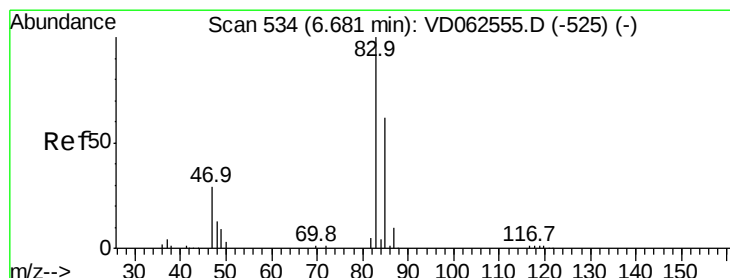
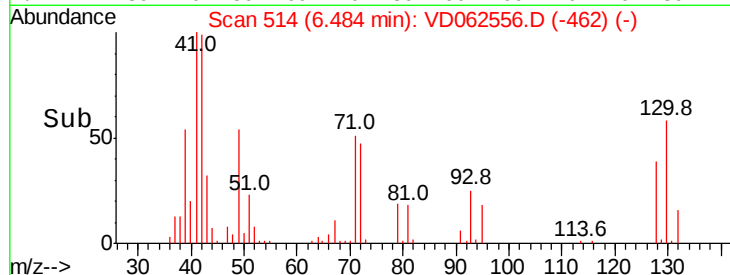
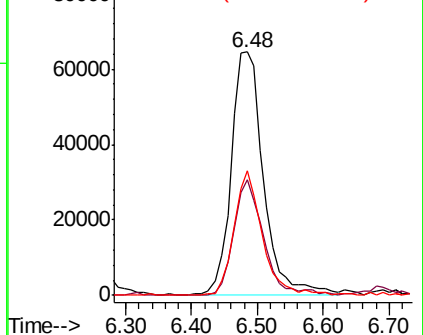
42 100

72 44.1 34.5 51.7

71 44.7 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: 51.344 ug/l

RT: 6.68 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD062556.D

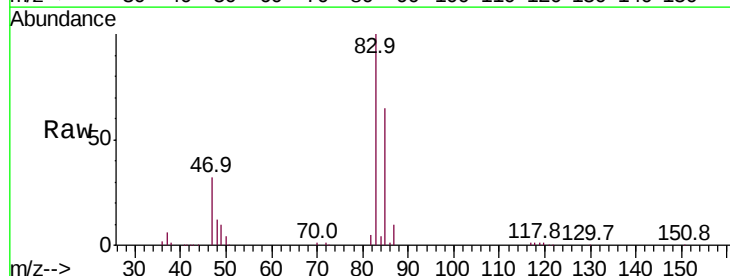
Acq: 30 May 2019 17:13

Tgt Ion: 83 Resp: 895648

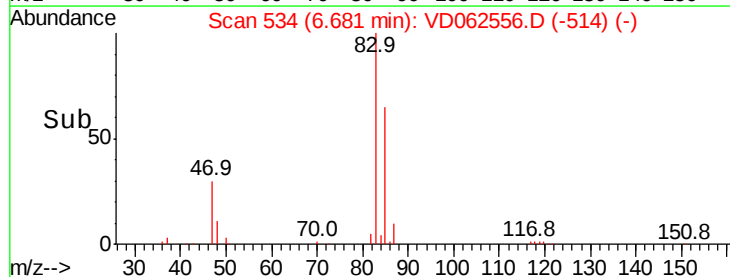
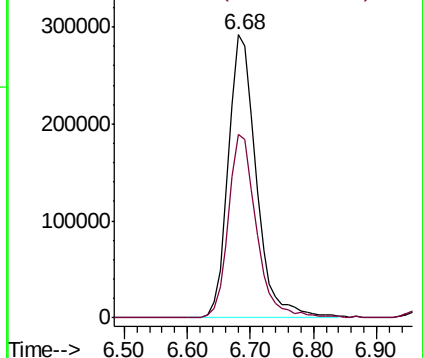
Ion Ratio Lower Upper

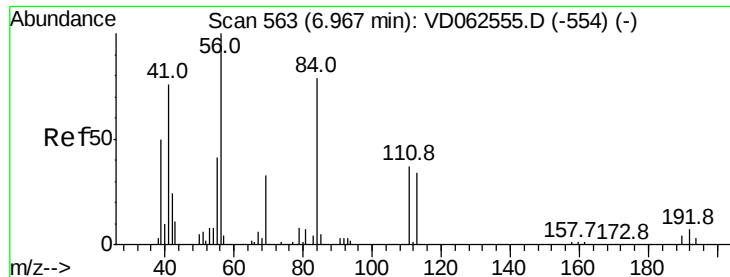
83 100

85 64.9 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 50.181 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

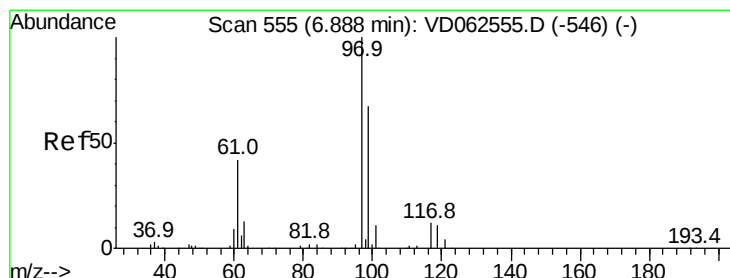
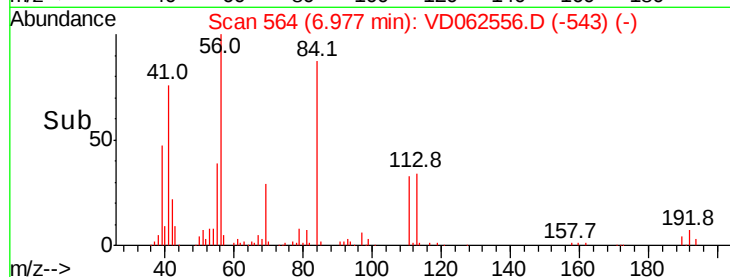
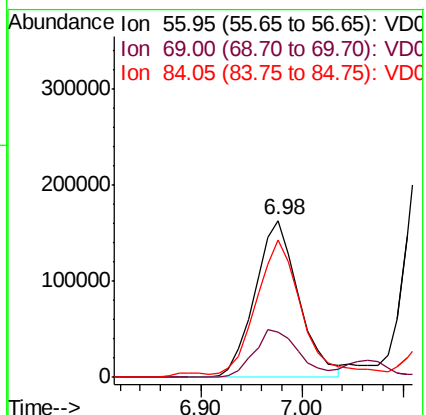
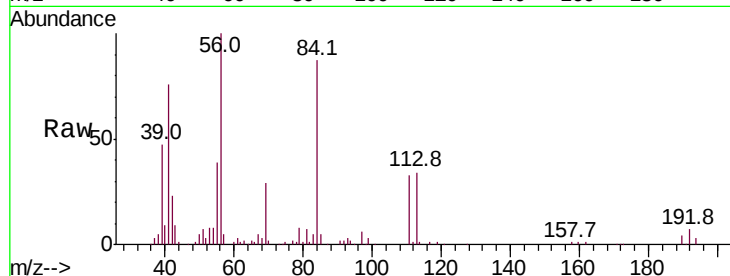
Tot Ion: 56 Resp: 491141

Ion Ratio Lower Upper

56 100

69 29.0 26.2 39.2

84 87.3 65.2 97.8



#32

1,1,1-Trichloroethane

Concen: 53.521 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

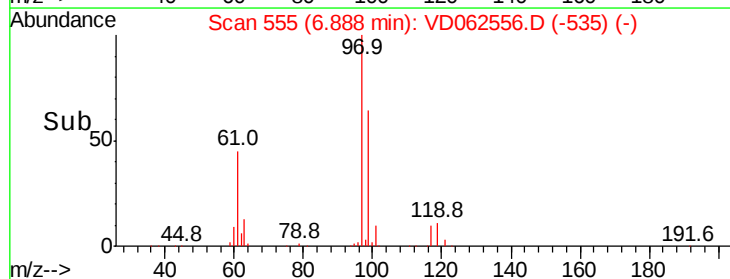
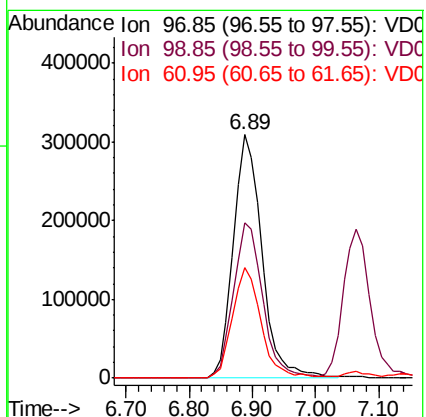
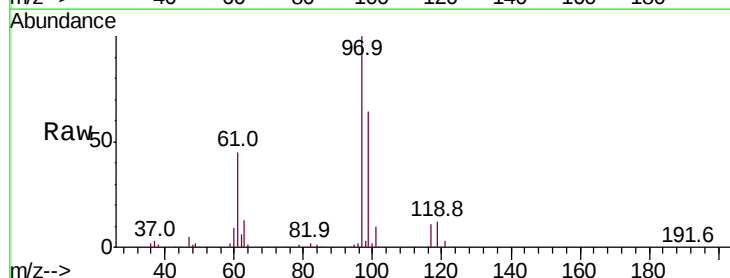
Tgt Ion: 97 Resp: 971625

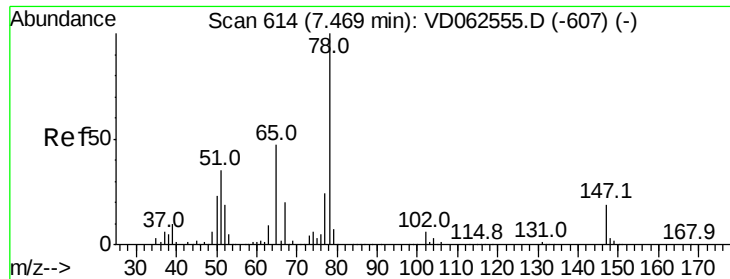
Ion Ratio Lower Upper

97 100

99 63.7 53.6 80.4

61 45.5 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 52.617 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

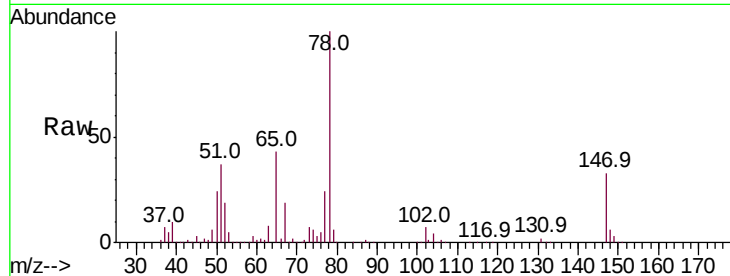
ICVVD053019

Tot Ion: 65 Resp: 554485

Ion Ratio Lower Upper

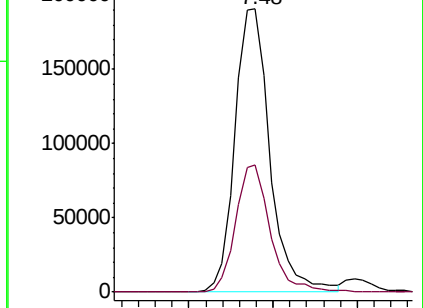
65 100

67 45.1 0.0 83.6

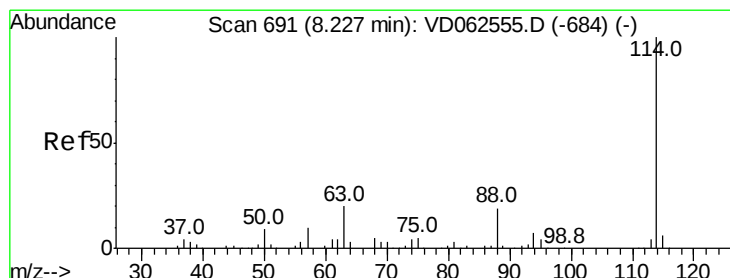
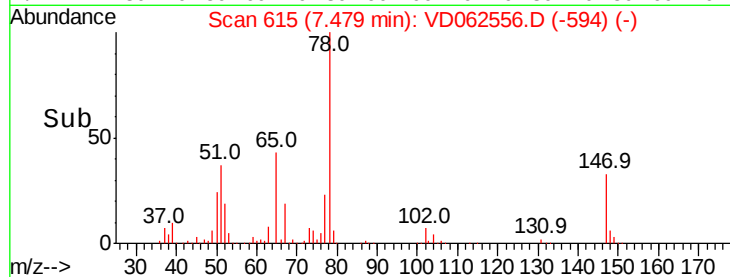


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

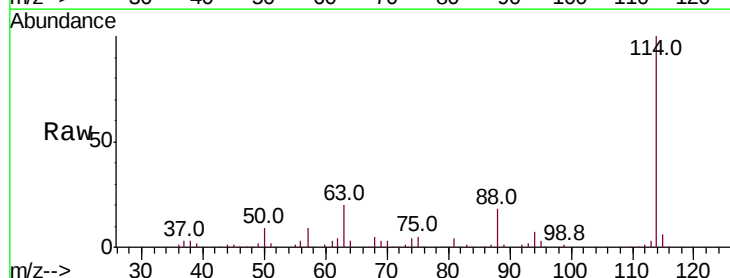
Tgt Ion:114 Resp: 1142352

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.6

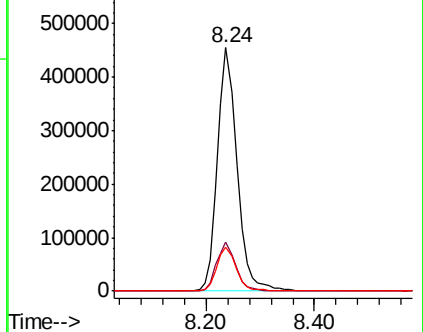
88 18.1 0.0 37.6



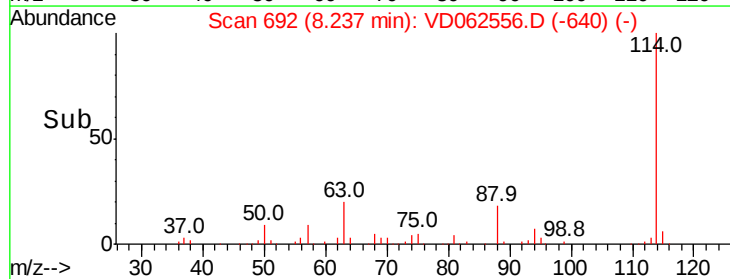
Abundance Ion 114.00 (113.70 to 114.70): V

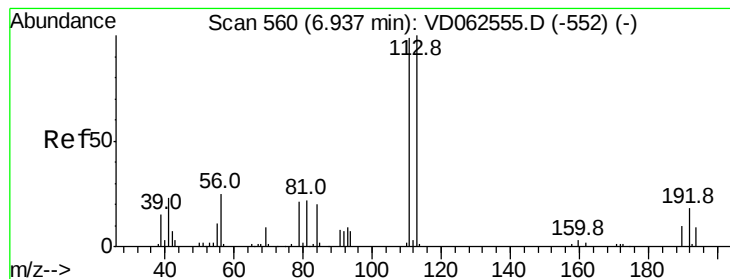
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 56.289 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

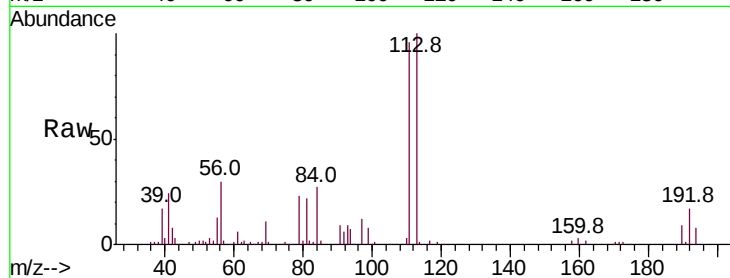
Tot Ion:113 Resp: 585955

Ion Ratio Lower Upper

113 100

111 96.0 78.8 118.2

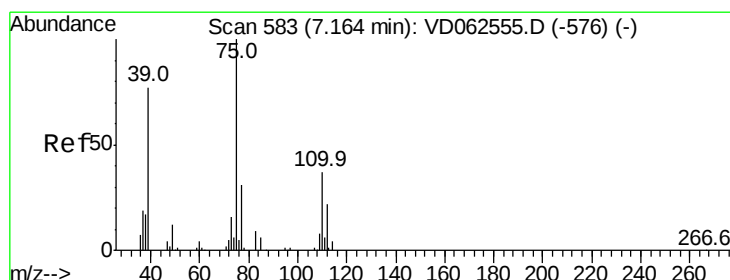
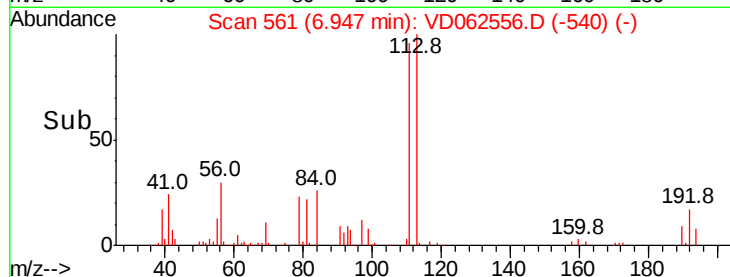
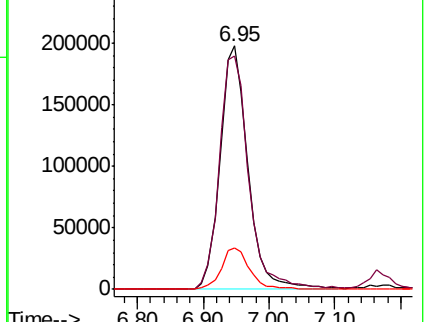
192 16.9 14.6 22.0



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: 57.578 ug/l

RT: 7.16 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

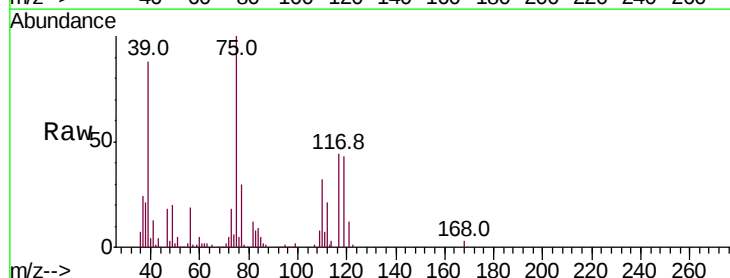
Tgt Ion: 75 Resp: 654762

Ion Ratio Lower Upper

75 100

110 32.3 18.3 54.8

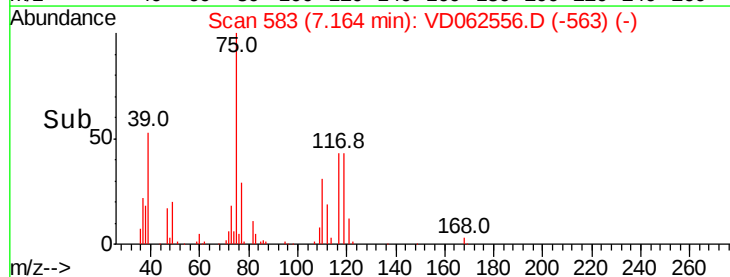
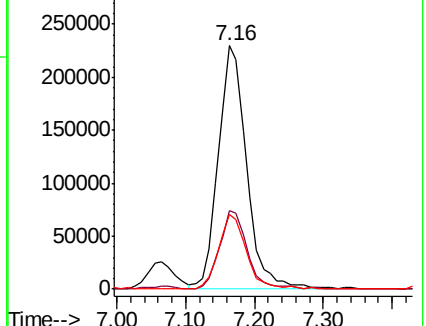
77 30.5 24.4 36.6

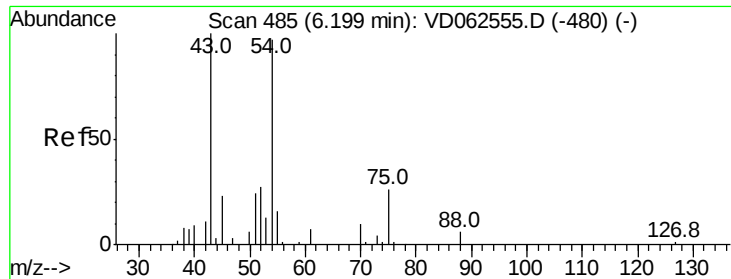


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

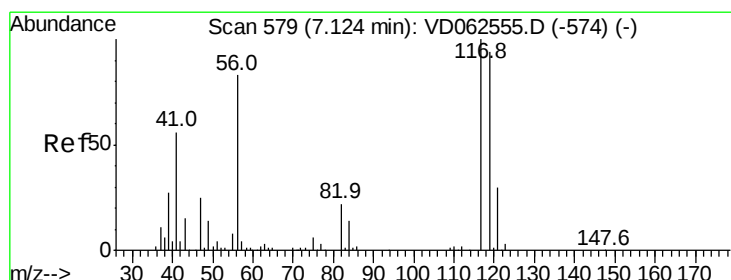
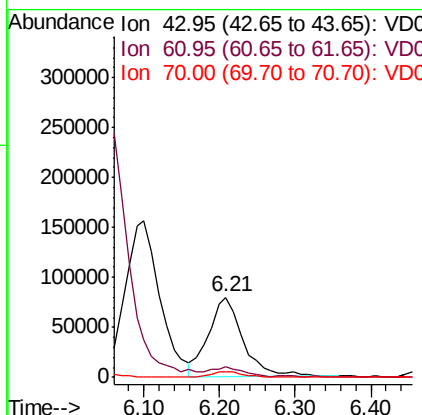
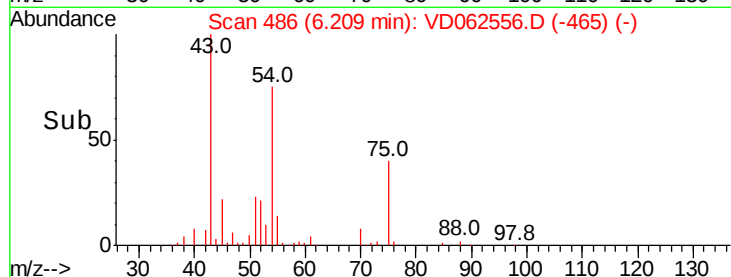
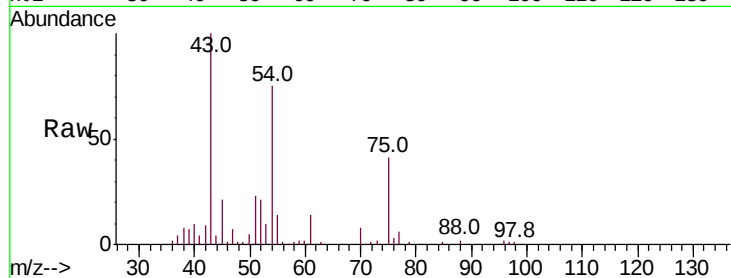




#37
Ethyl Acetate
Concen: 52.107 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

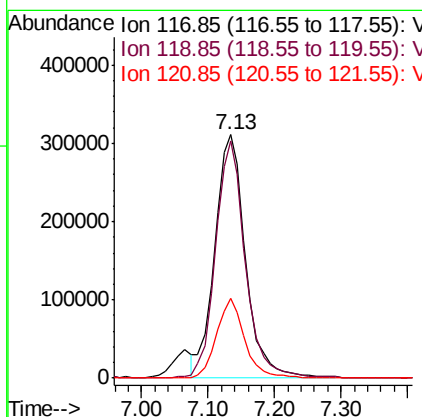
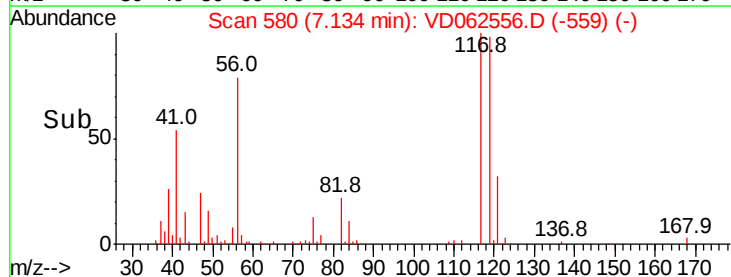
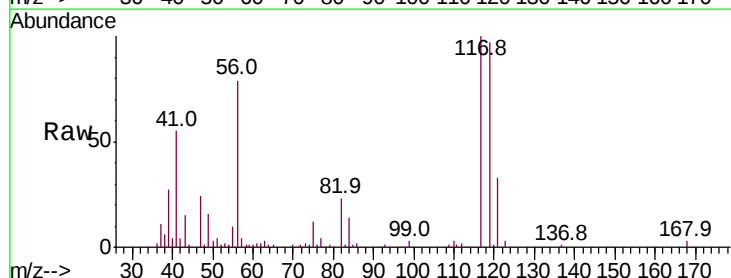
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

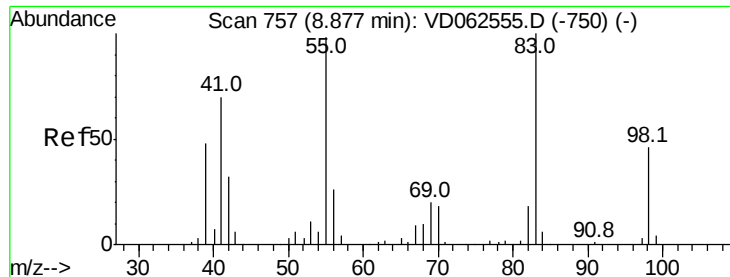
Tot Ion: 43 Resp: 249810
Ion Ratio Lower Upper
43 100
61 13.9 9.8 14.8
70 7.6 6.5 9.7



#38
Carbon Tetrachloride
Concen: 59.840 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion: 117 Resp: 1013118
Ion Ratio Lower Upper
117 100
119 97.5 71.4 107.2
121 32.6 22.5 33.7





#39

Methvlcvclohexane

Concen: 56.633 ug/l

RT: 8.88 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

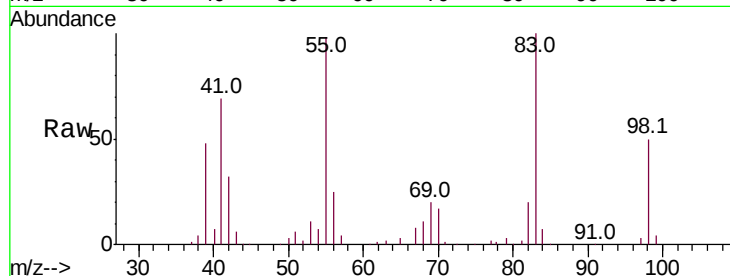
Tot Ion: 83 Resp: 545247

Ion Ratio Lower Upper

83 100

55 97.7 78.7 118.1

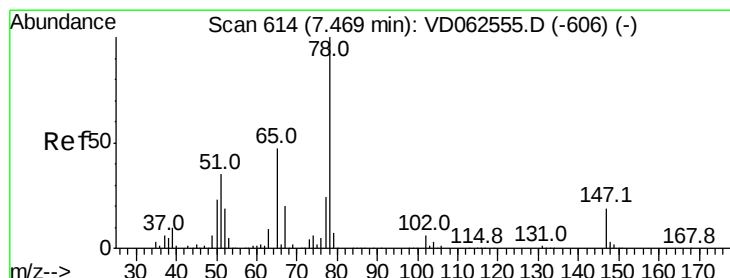
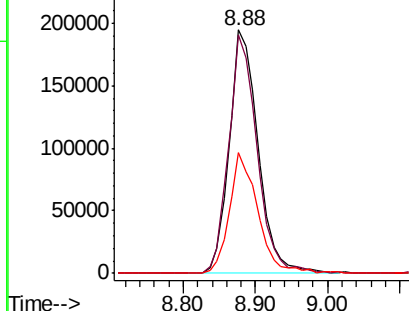
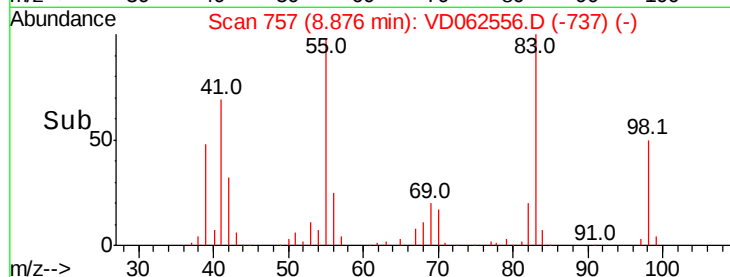
98 49.6 37.2 55.8



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: 58.848 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.01 min

Lab File: VD062556.D

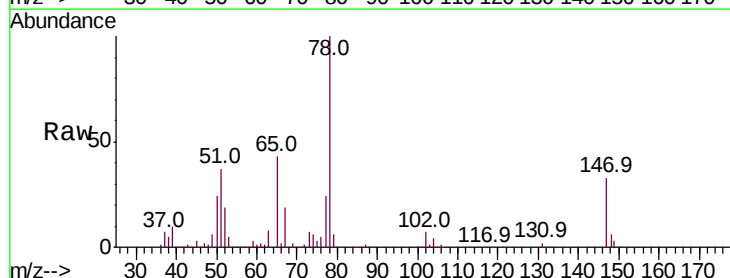
Acq: 30 May 2019 17:13

Tgt Ion: 78 Resp: 1313433

Ion Ratio Lower Upper

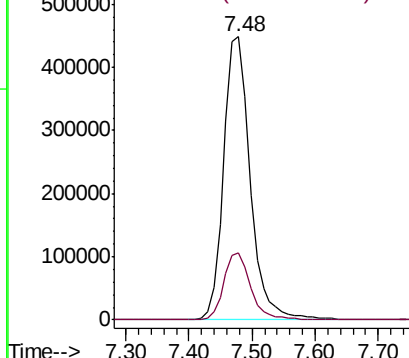
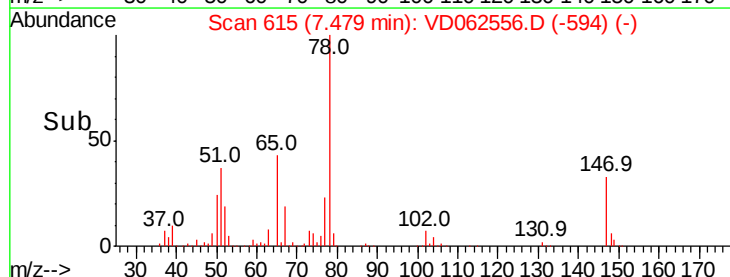
78 100

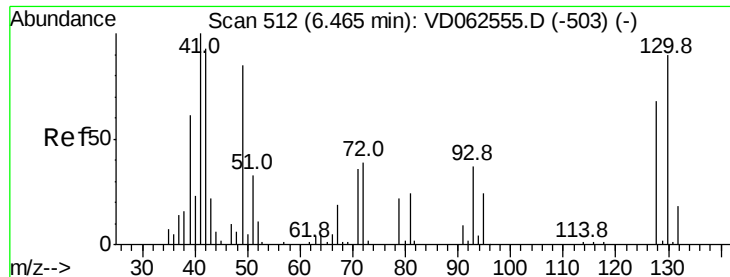
77 23.7 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 55.596 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

Tot Ion: 41 Resp: 313655

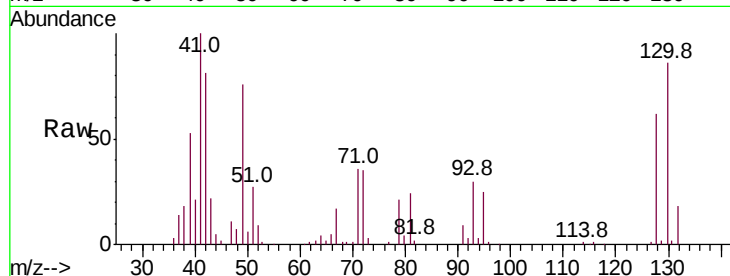
Ion Ratio Lower Upper

41 100

39 52.5 49.0 73.6

67 17.5 15.5 23.3

52 9.1 8.9 13.3

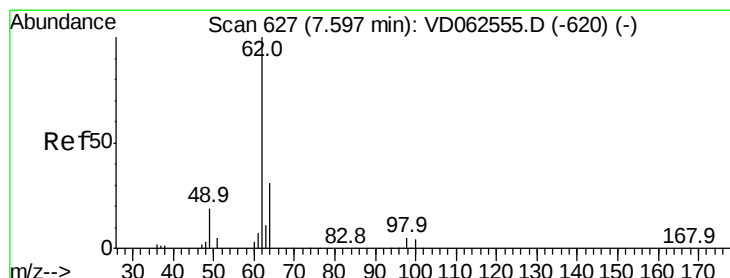
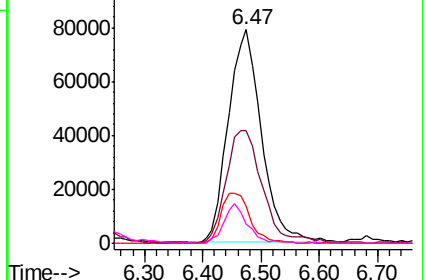
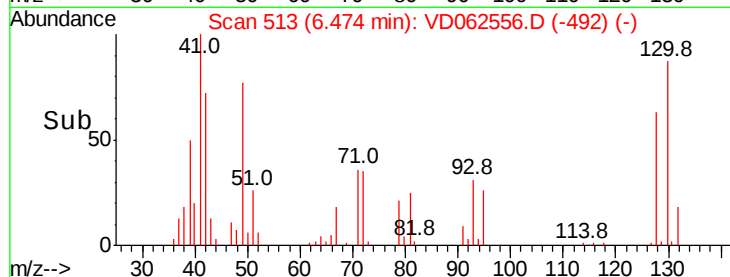


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 57.212 ug/l

RT: 7.60 min Scan# 627

Delta R.T. -0.00 min

Lab File: VD062556.D

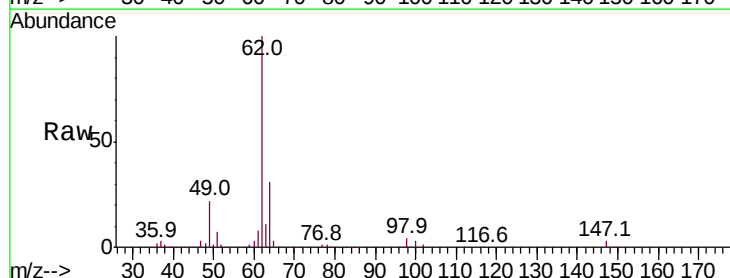
Acq: 30 May 2019 17:13

Tgt Ion: 62 Resp: 711269

Ion Ratio Lower Upper

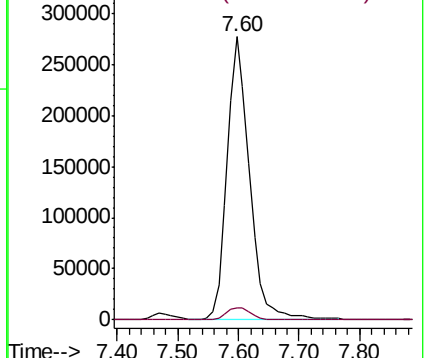
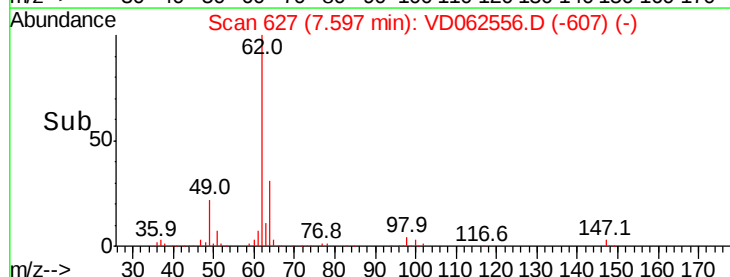
62 100

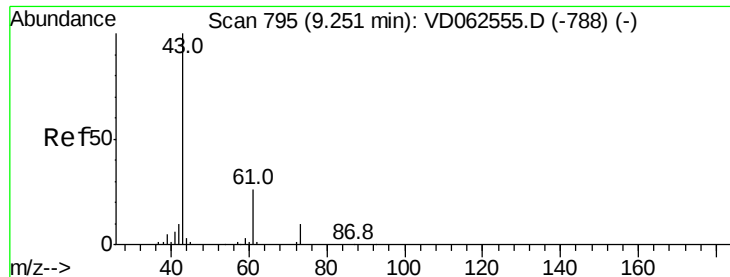
98 4.5 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.236 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

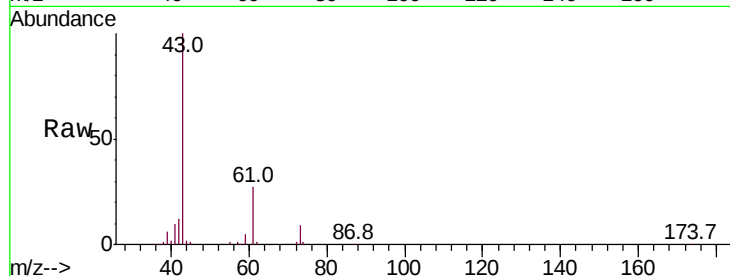
Tot Ion: 43 Resp: 323622

Ion Ratio Lower Upper

43 100

61 27.4 20.5 30.7

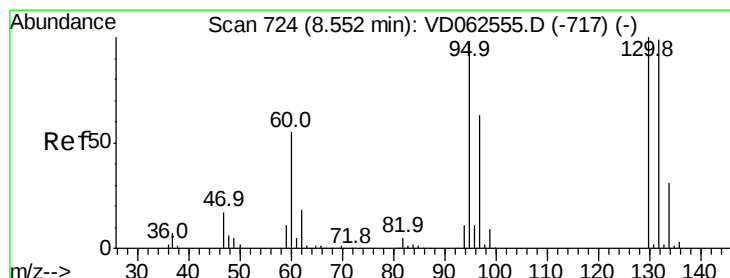
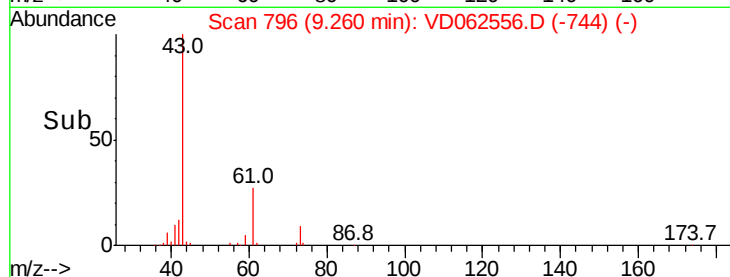
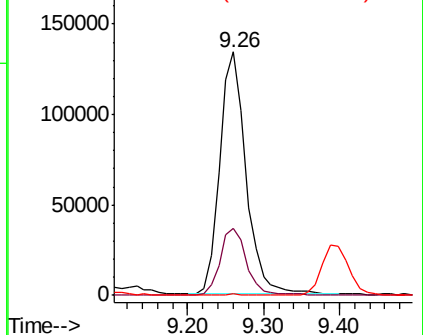
87 0.5 0.2 0.2#



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: 55.821 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD062556.D

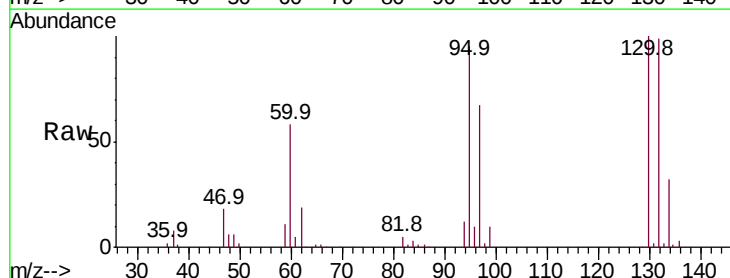
Acq: 30 May 2019 17:13

Tgt Ion: 130 Resp: 497725

Ion Ratio Lower Upper

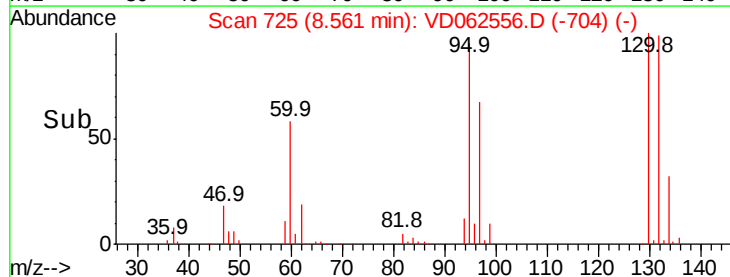
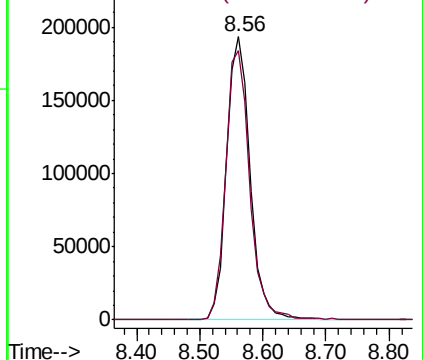
130 100

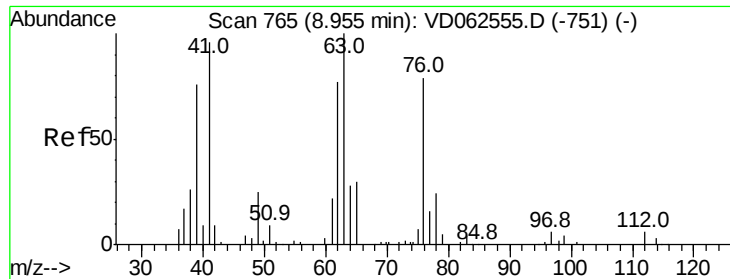
95 95.0 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 57.524 ug/l

RT: 8.96 min Scan# 765

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

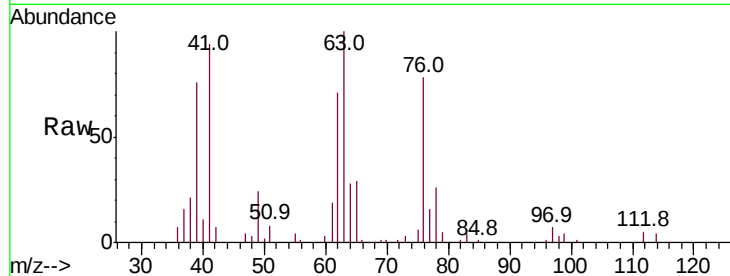
ICVVD053019

Tot Ion: 63 Resp: 314768

Ion Ratio Lower Upper

63 100

65 28.8 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

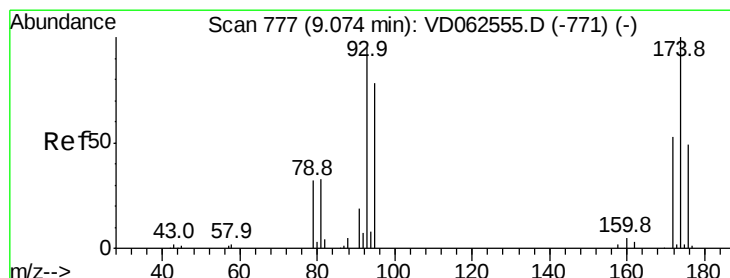
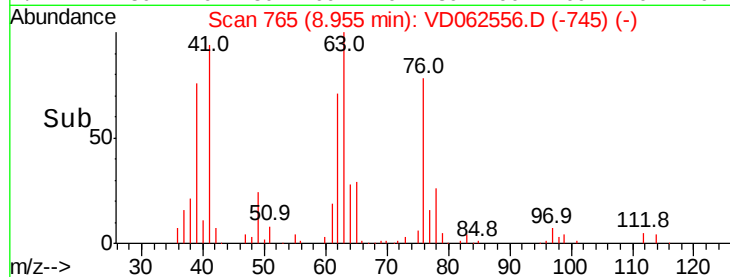
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 57.135 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

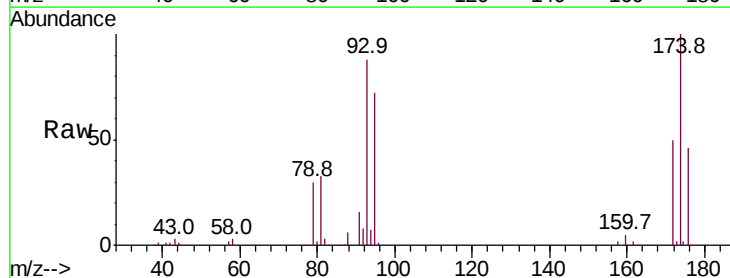
Tgt Ion: 93 Resp: 262605

Ion Ratio Lower Upper

93 100

95 81.5 66.1 99.1

174 113.8 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

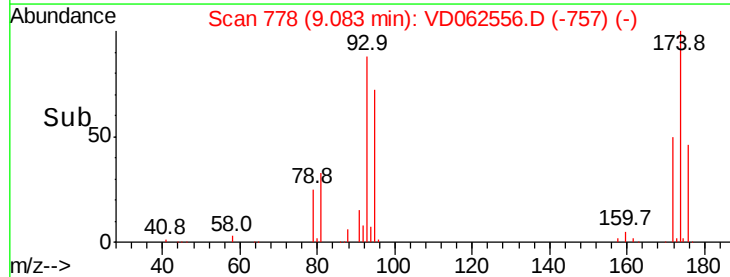
150000

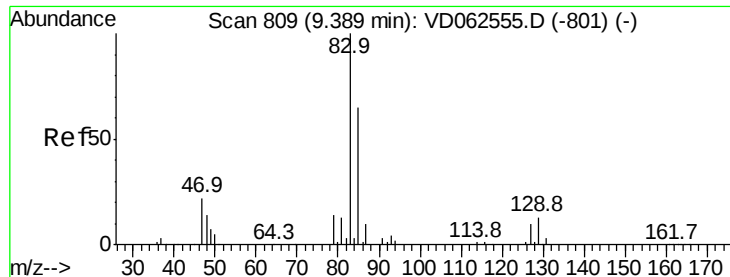
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 55.994 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

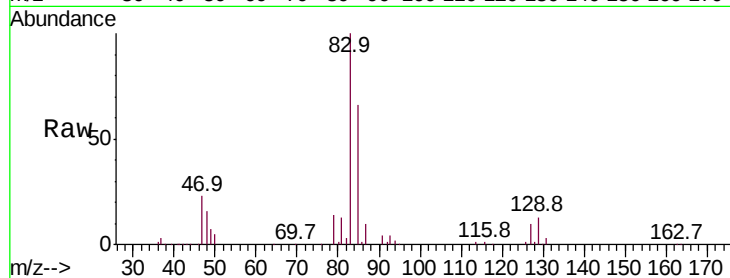
Tot Ion: 83 Resp: 709096

Ion Ratio Lower Upper

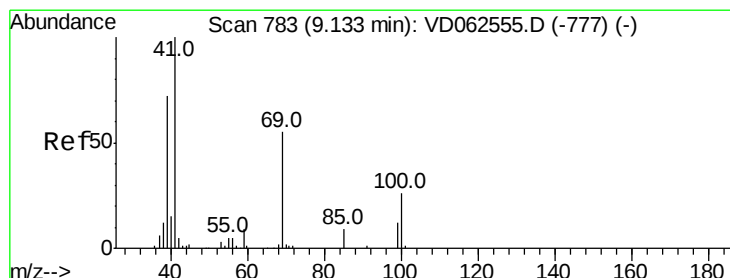
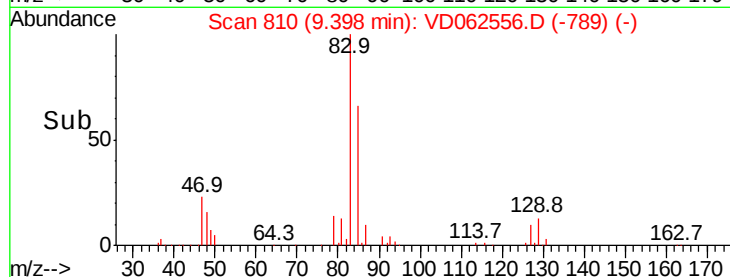
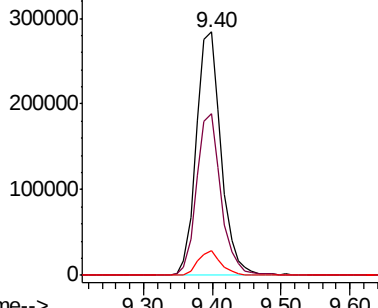
83 100

85 66.4 51.8 77.8

127 10.4 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: 55.441 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

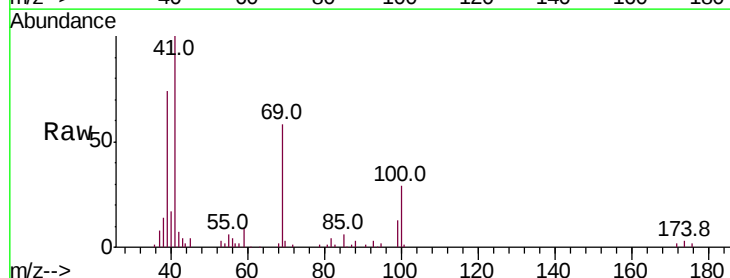
Tgt Ion: 41 Resp: 220333

Ion Ratio Lower Upper

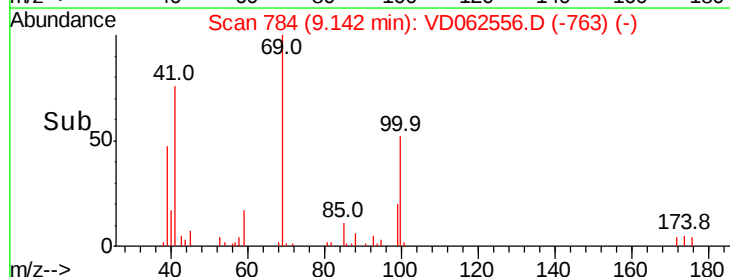
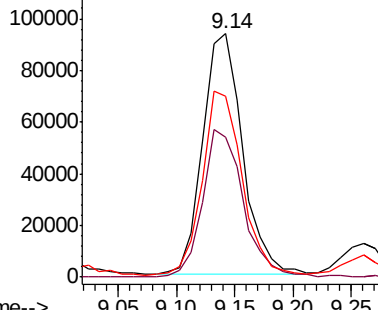
41 100

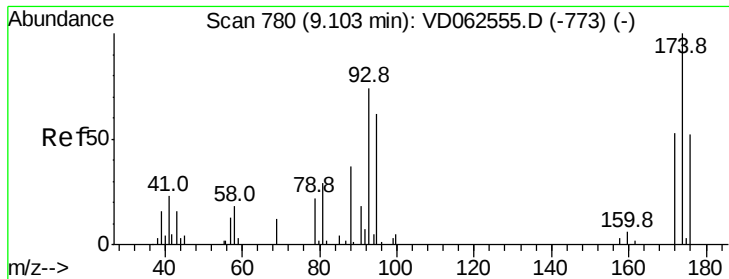
69 57.5 43.6 65.4

39 74.4 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

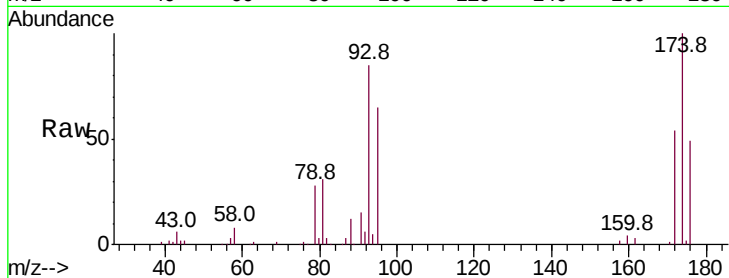




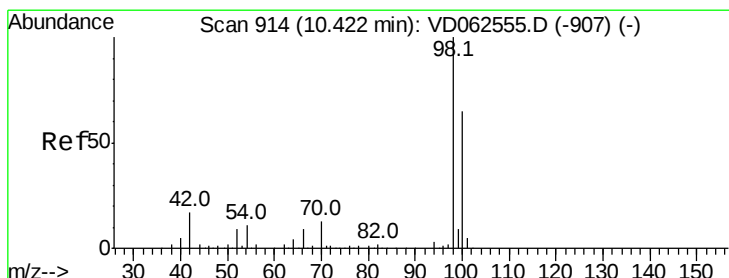
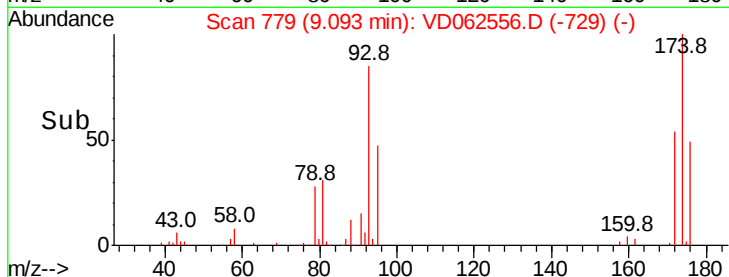
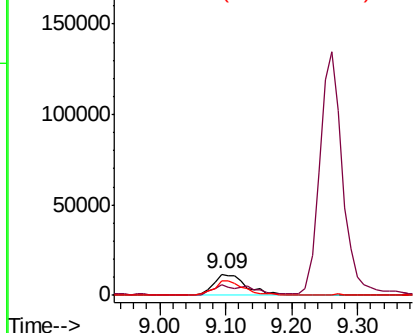
#49
 1,4-Dioxane
 Concen: 1252.687 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

Tot Ion: 88 Resp: 40437
 Ion Ratio Lower Upper
 88 100
 43 47.2 37.1 55.7
 58 65.4 39.3 58.9#

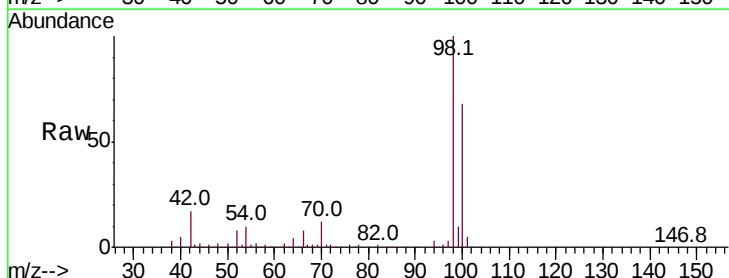


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

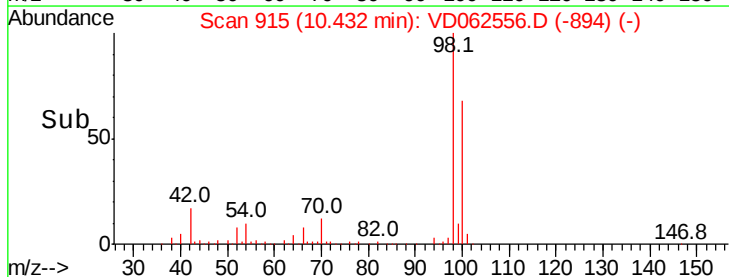
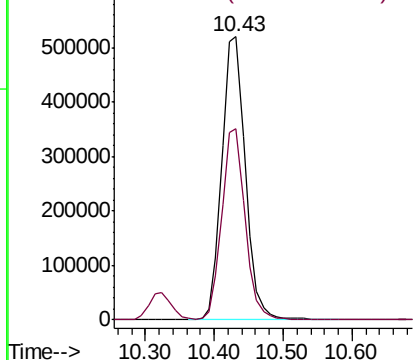


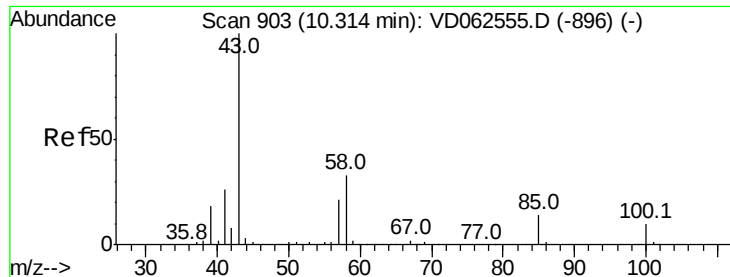
#50
 Toluene-d8
 Concen: 54.021 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion: 98 Resp: 1232129
 Ion Ratio Lower Upper
 98 100
 100 67.6 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: 266.478 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

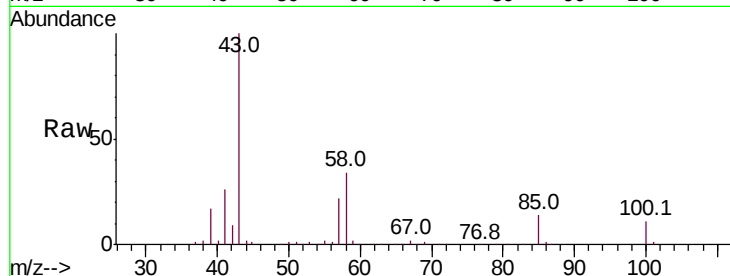
ICVVD053019

Tot Ion: 43 Resp: 1109329

Ion Ratio Lower Upper

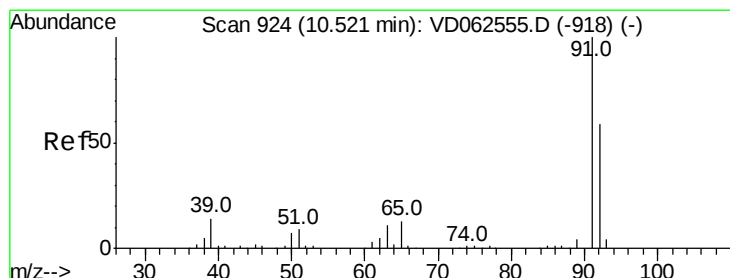
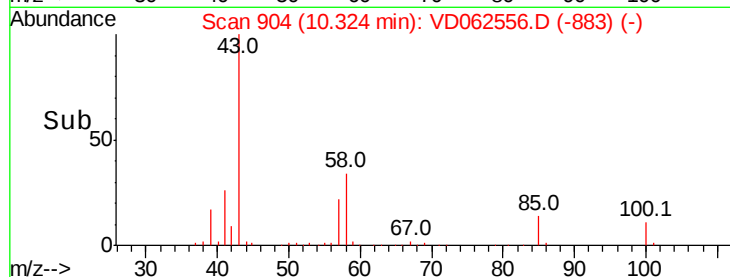
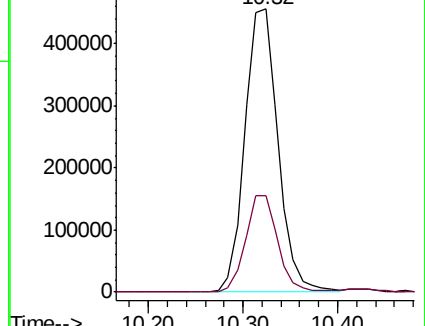
43 100

58 34.2 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 57.618 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062556.D

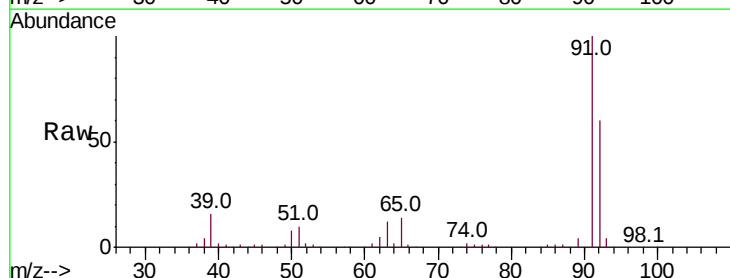
Acq: 30 May 2019 17:13

Tgt Ion: 92 Resp: 877077

Ion Ratio Lower Upper

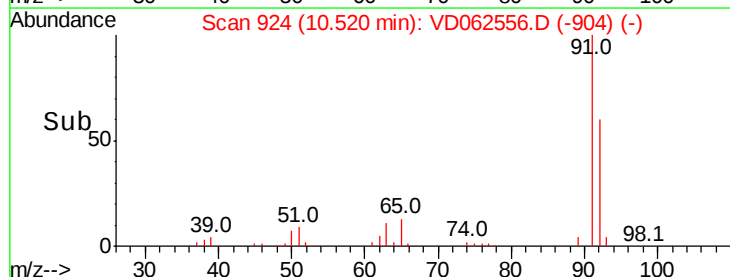
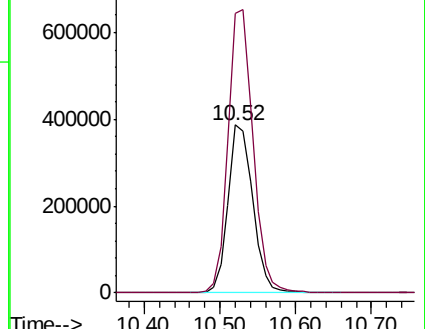
92 100

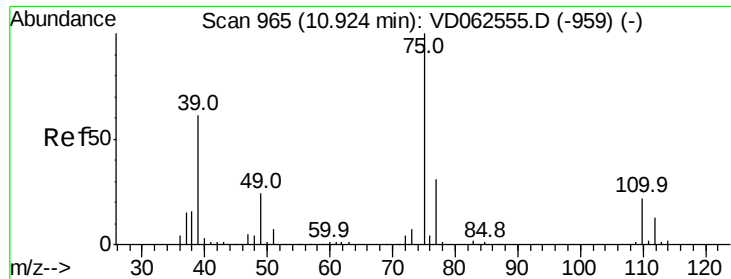
91 166.1 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

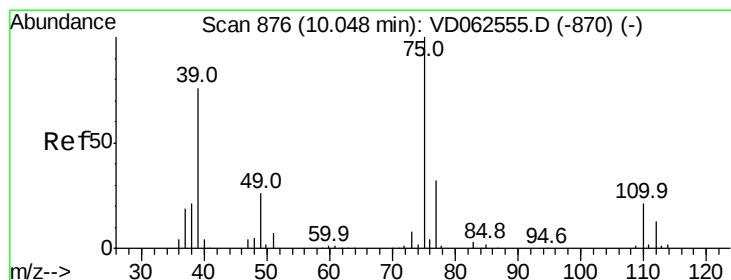
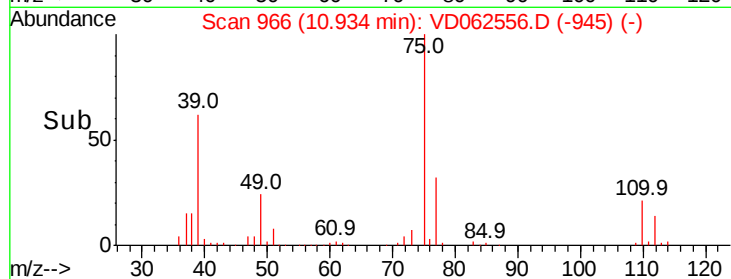
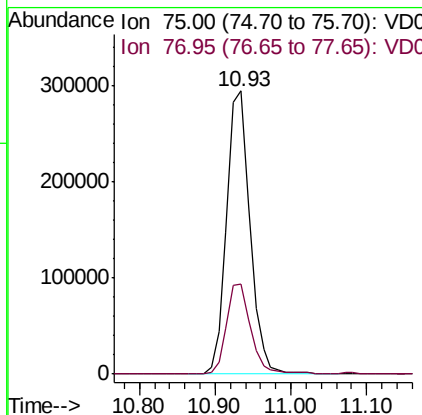
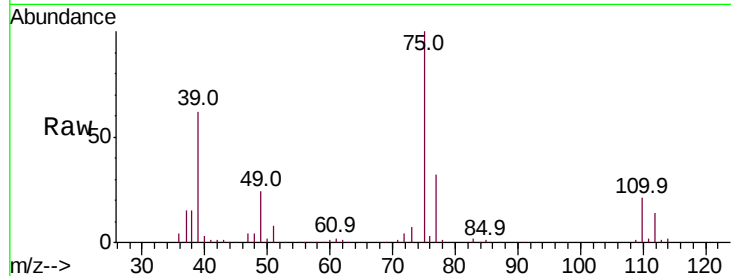




#53
 t-1,3-Dichloropropene
 Concen: 58.967 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

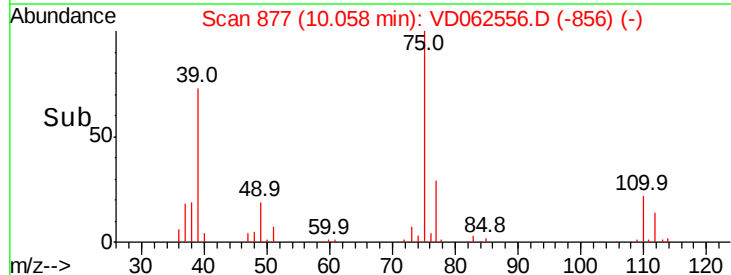
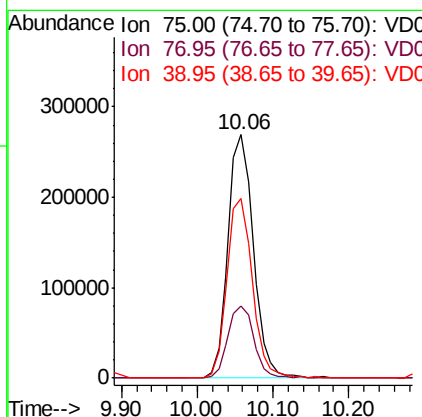
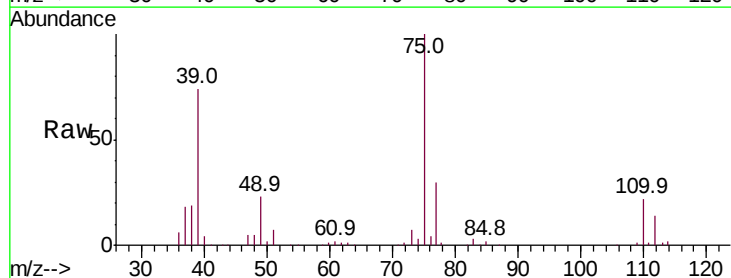
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

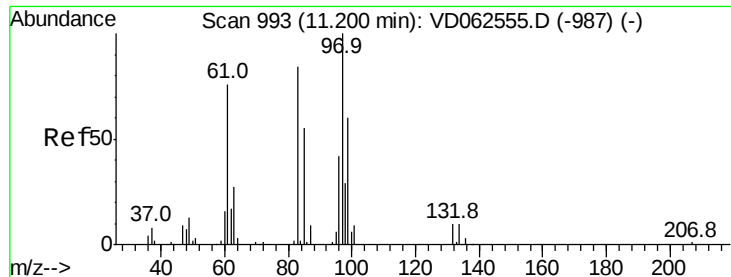
Tot Ion: 75 Resp: 630921
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 56.226 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion: 75 Resp: 625456
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.7 38.5
 39 73.7 61.0 91.6





#55

1,1,2-Trichloroethane

Concen: 53.284 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

Tot Ion: 97 Resp: 266325

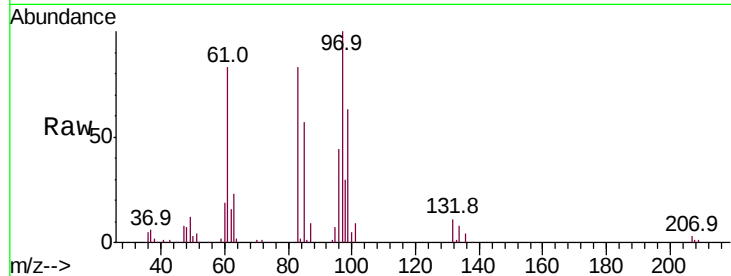
Ion Ratio Lower Upper

97 100

83 83.1 67.3 100.9

85 57.4 43.8 65.8

99 63.2 48.2 72.2

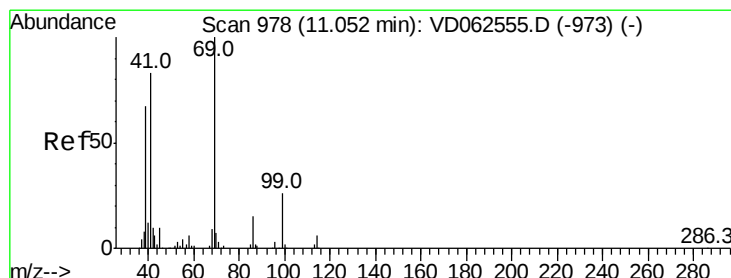
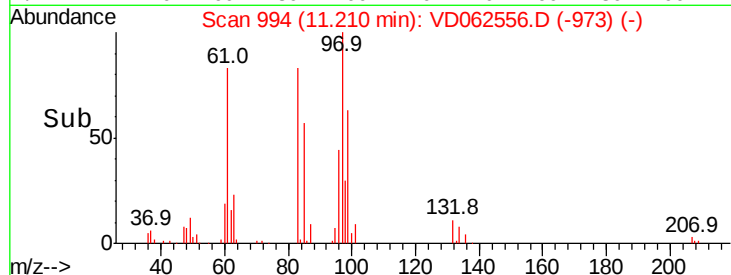
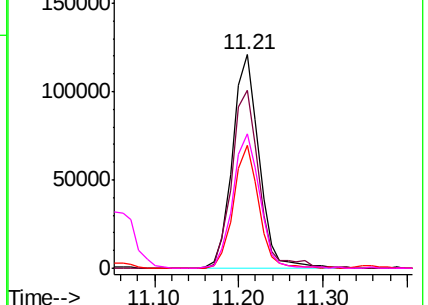


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 60.925 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

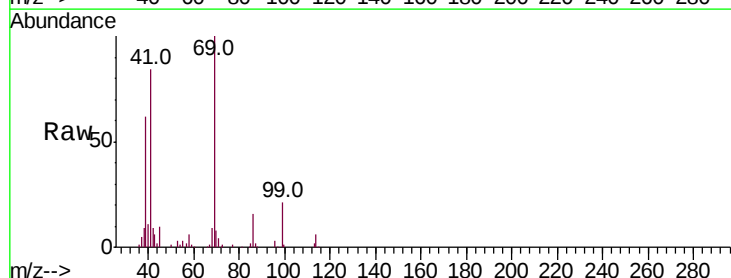
Tgt Ion: 69 Resp: 324568

Ion Ratio Lower Upper

69 100

41 84.4 66.1 99.1

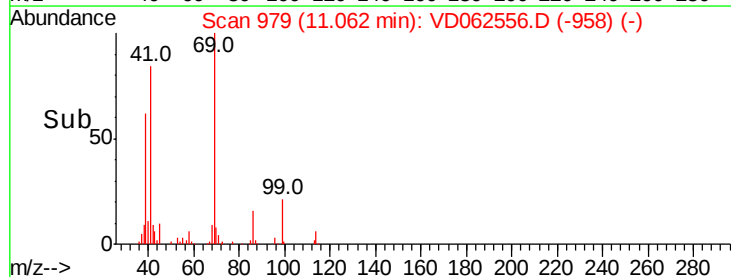
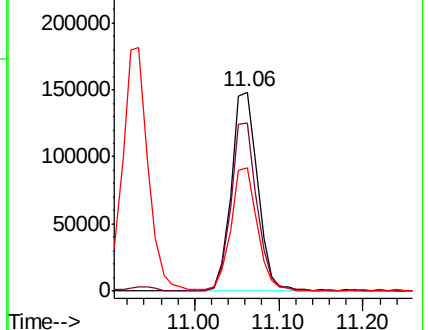
39 62.0 54.2 81.2

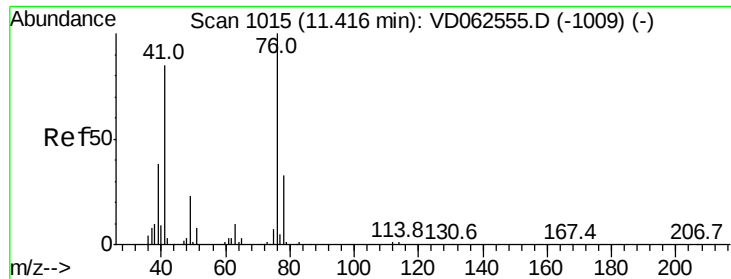


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 56.596 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

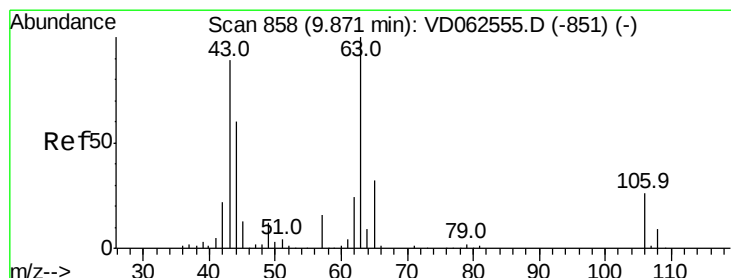
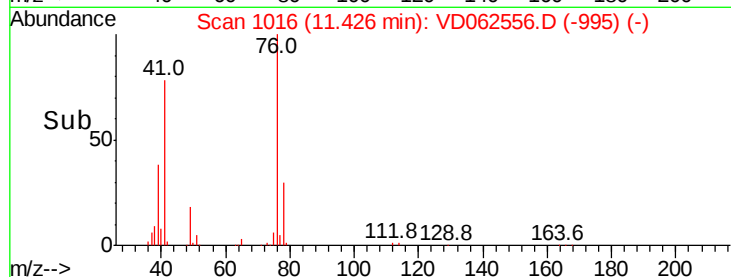
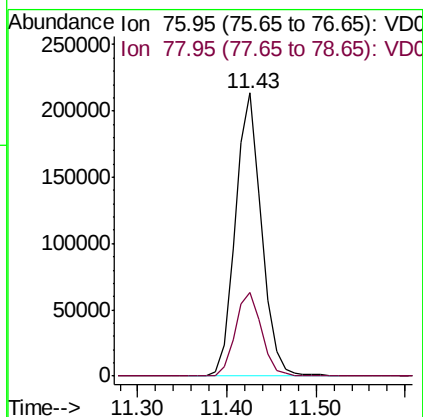
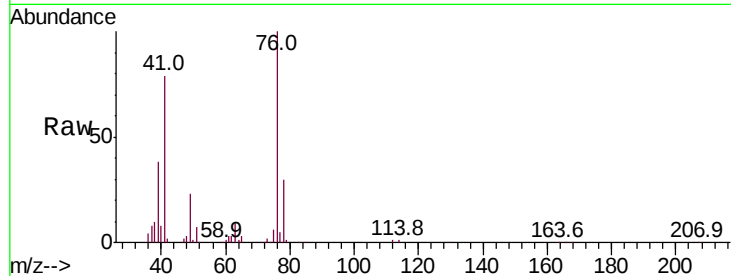
ICVVD053019

Tot Ion: 76 Resp: 436081

Ion Ratio Lower Upper

76 100

78 29.7 26.7 40.1



#58

2-Chloroethyl Vinyl ether

Concen: 247.427 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062556.D

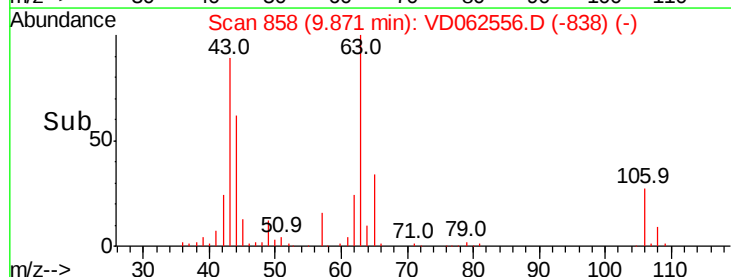
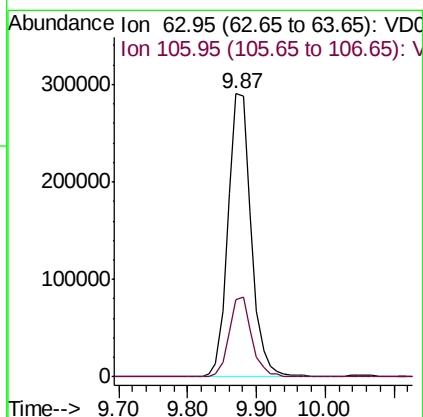
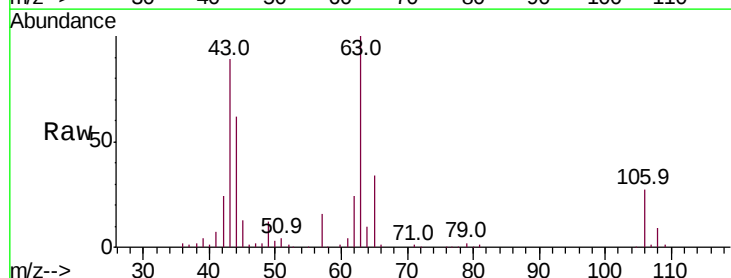
Acq: 30 May 2019 17:13

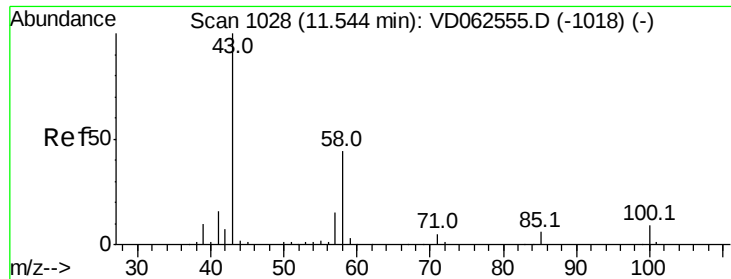
Tgt Ion: 63 Resp: 676022

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.4

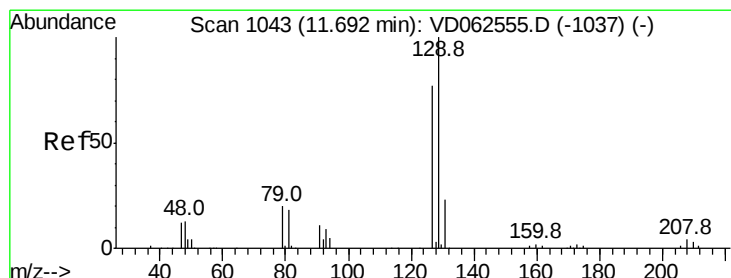
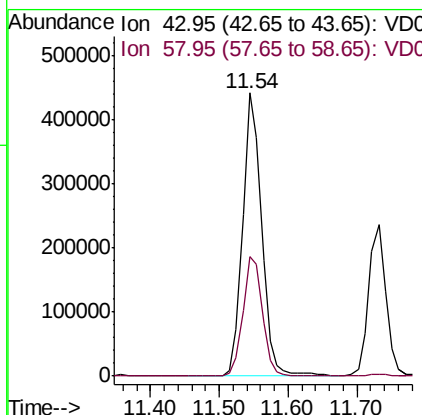
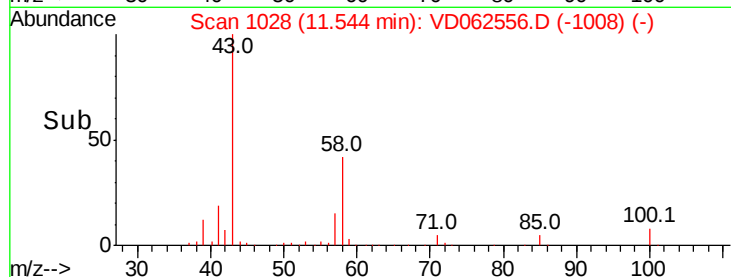
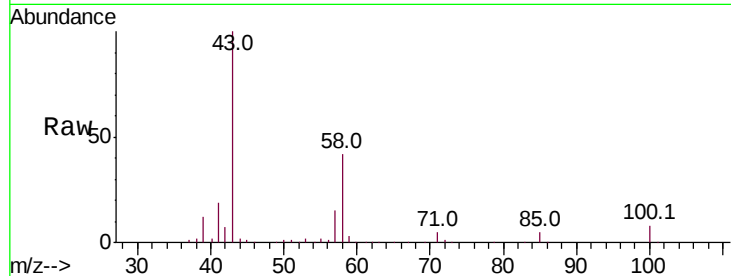




#59
2-Hexanone
Concen: 290.027 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

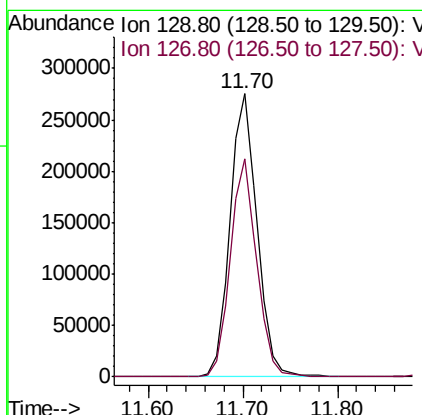
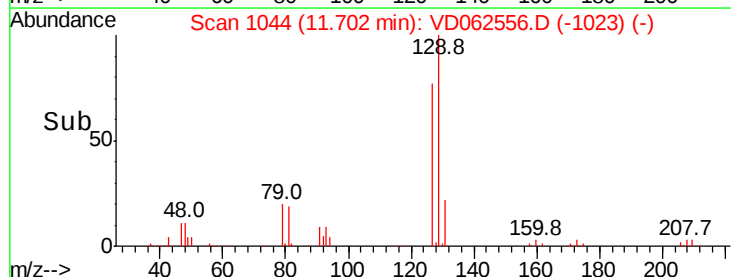
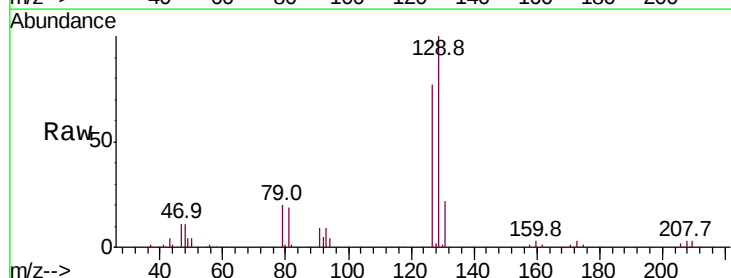
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

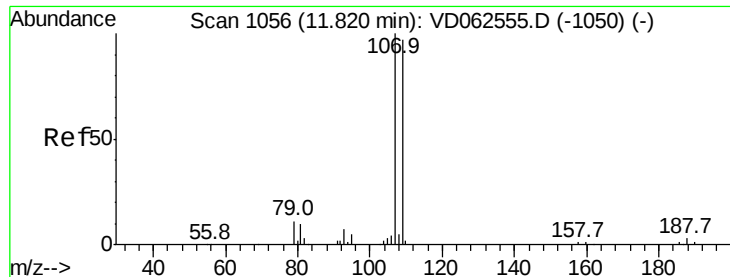
Tot Ion: 43 Resp: 846871
Ion Ratio Lower Upper
43 100
58 42.2 22.0 66.0



#60
Dibromochloromethane
Concen: 55.999 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion: 129 Resp: 543918
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 58.840 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

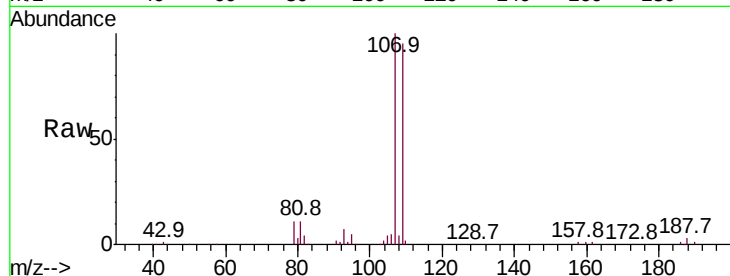
ICVVD053019

Tot Ion:107 Resp: 353783

Ion Ratio Lower Upper

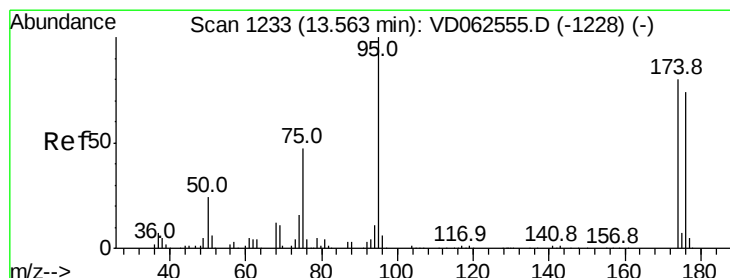
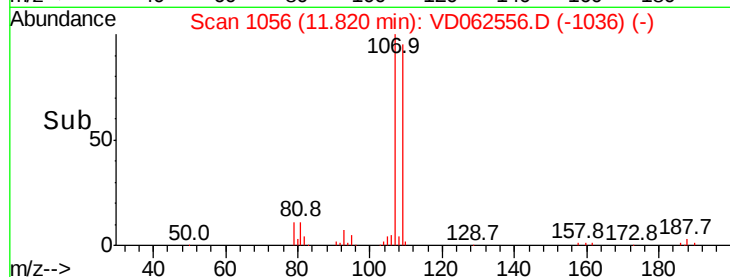
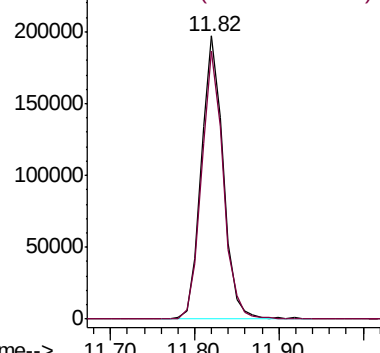
107 100

109 94.7 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.280 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

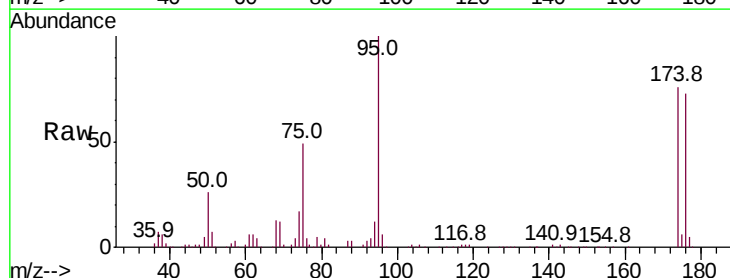
Tgt Ion: 95 Resp: 527461

Ion Ratio Lower Upper

95 100

174 75.8 0.0 160.2

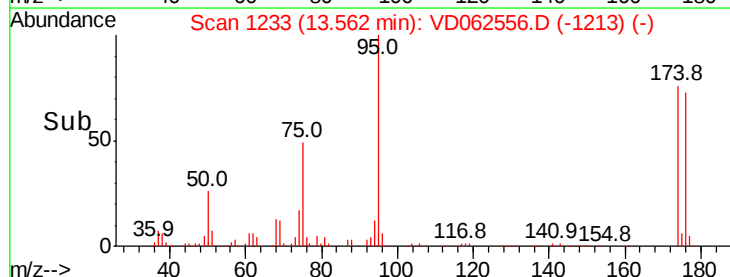
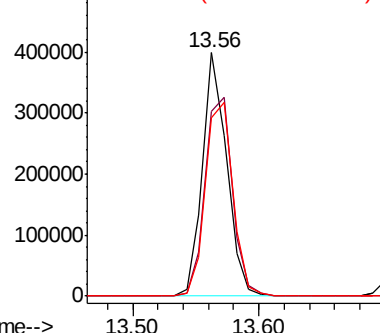
176 73.3 0.0 148.0

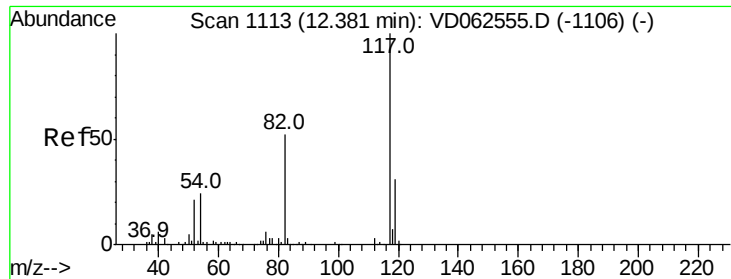


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

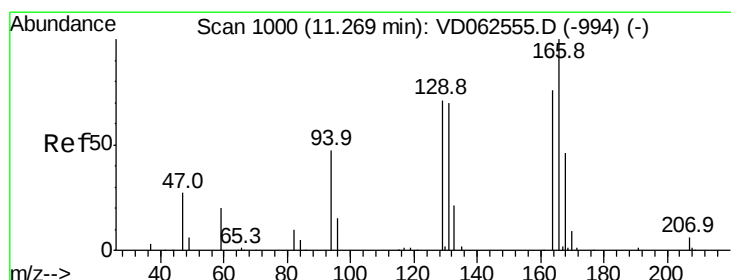
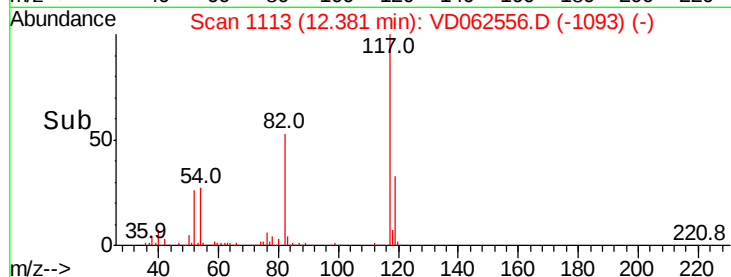
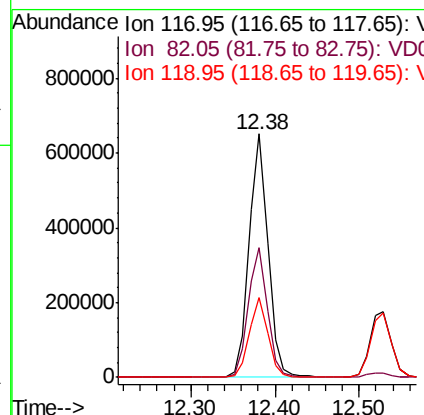
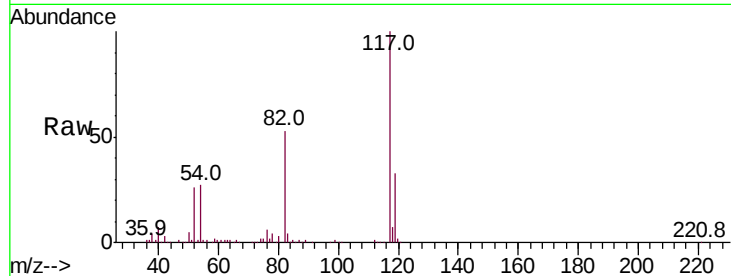




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

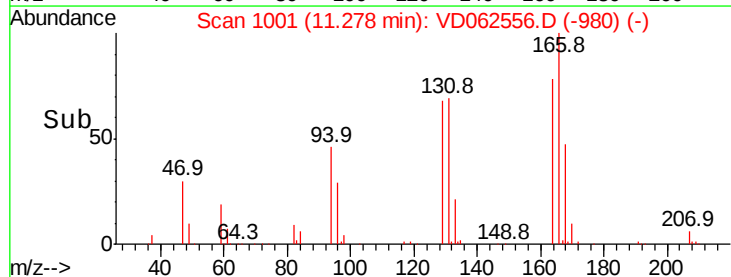
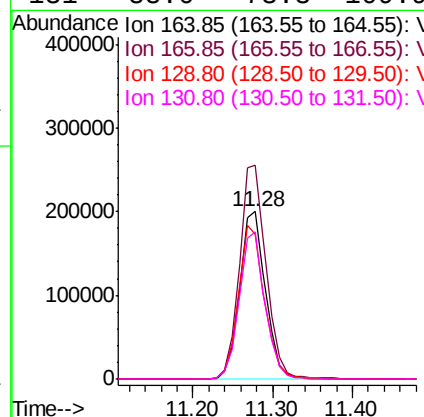
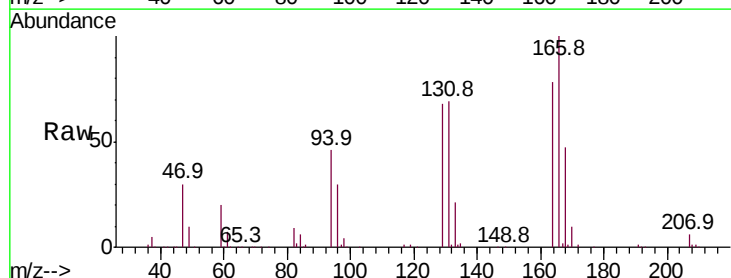
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

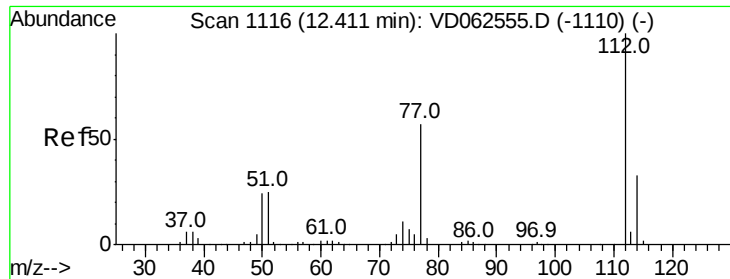
Tot Ion:117 Resp: 1019038
Ion Ratio Lower Upper
117 100
82 53.4 41.4 62.2
119 32.6 24.9 37.3



#64
Tetrachloroethene
Concen: 49.933 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion:164 Resp: 449808
Ion Ratio Lower Upper
164 100
166 127.7 105.3 157.9
129 86.6 75.3 112.9
131 88.0 73.3 109.9

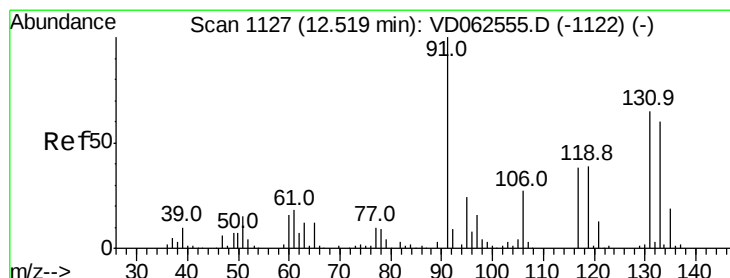
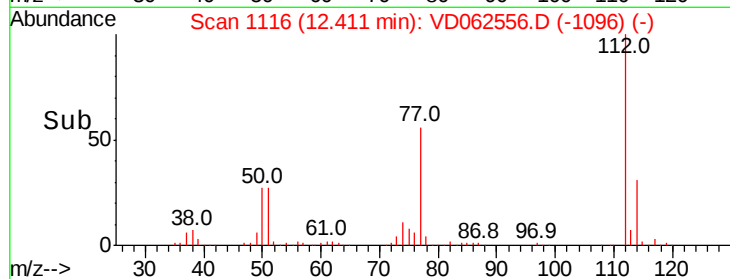
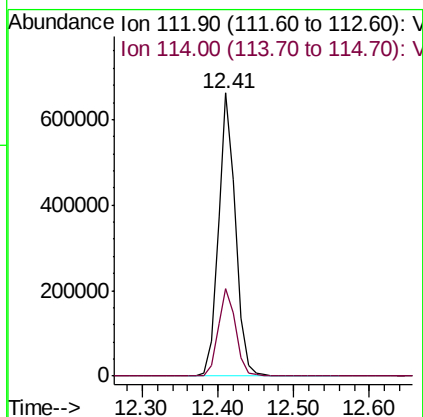
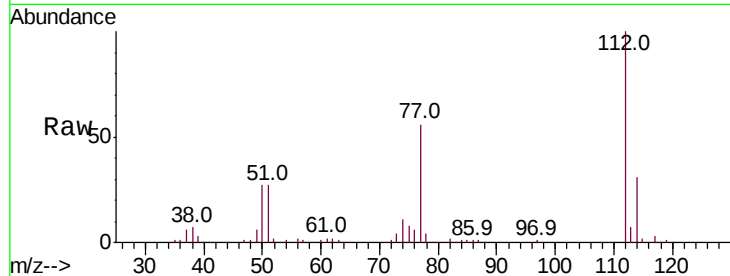




#65
Chlorobenzene
Concen: 52.517 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

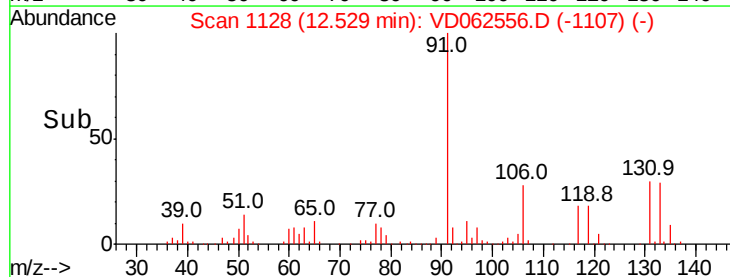
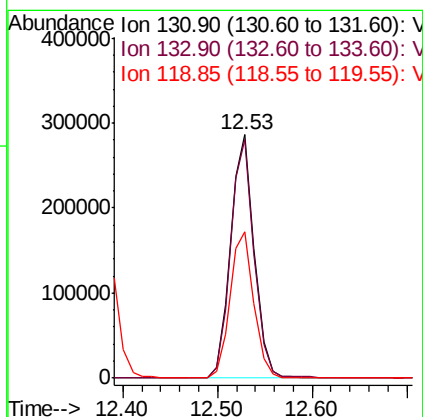
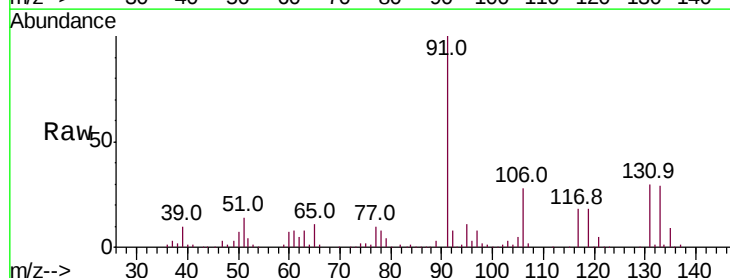
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

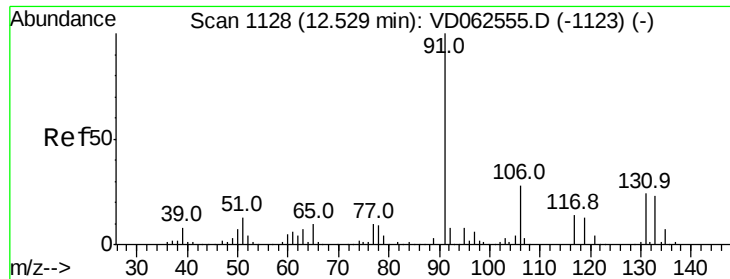
Tot Ion:112 Resp: 1042566
Ion Ratio Lower Upper
112 100
114 31.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.398 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion:131 Resp: 491943
Ion Ratio Lower Upper
131 100
133 97.9 46.2 138.6
119 60.2 29.5 88.6

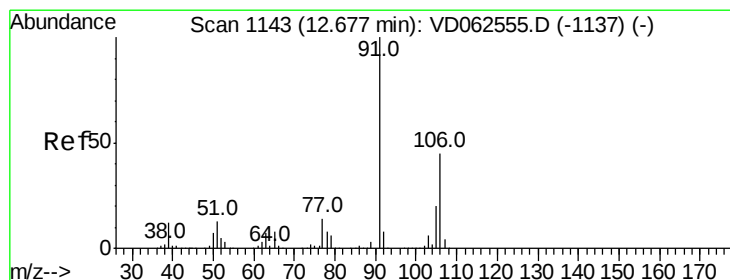
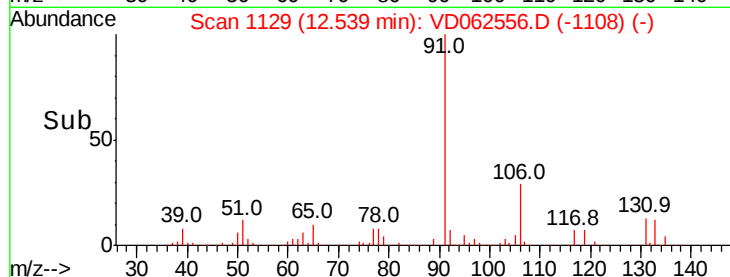
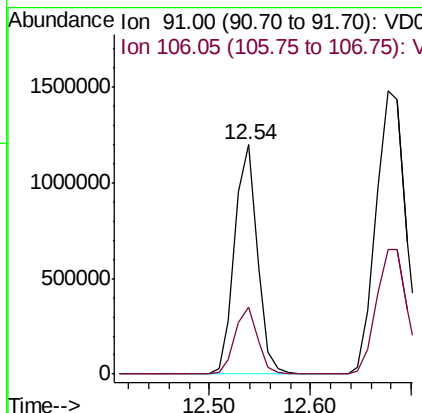
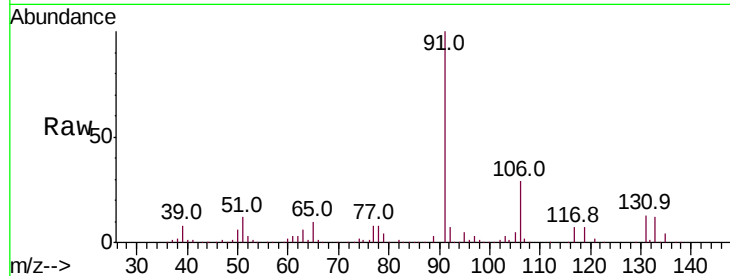




#67
Ethyl Benzene
Concen: 51.690 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

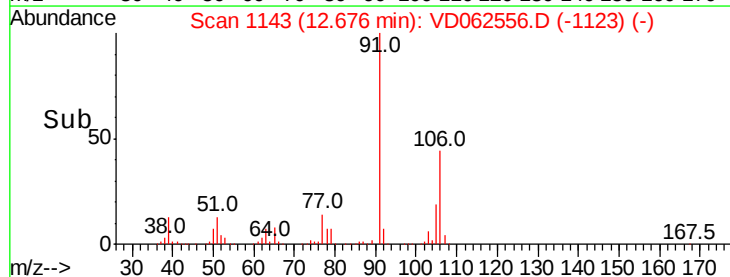
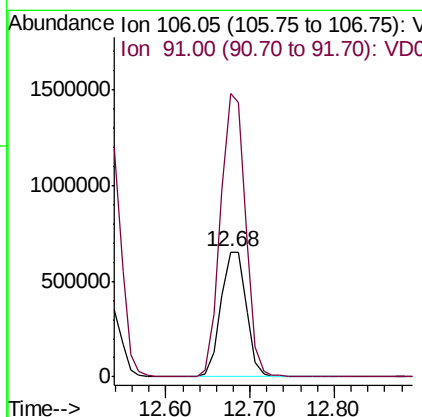
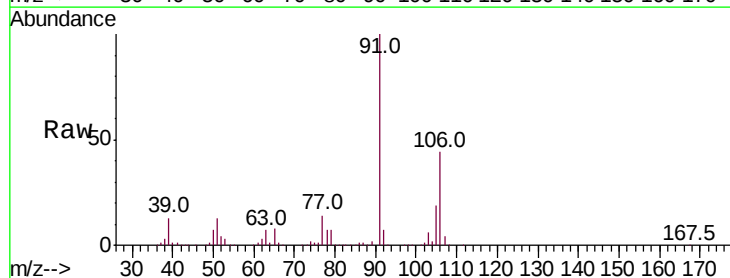
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

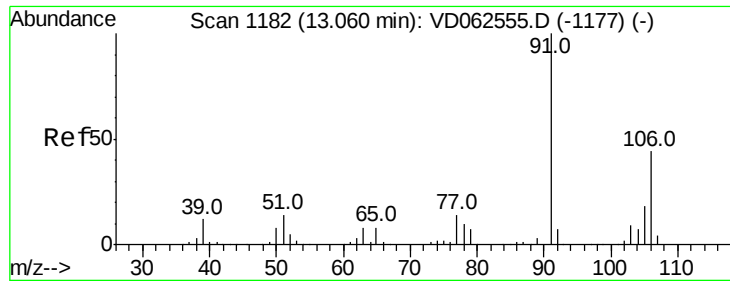
Tot Ion: 91 Resp: 1880080
Ion Ratio Lower Upper
91 100
106 29.2 22.2 33.2



#68
m/p-Xylenes
Concen: 108.595 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion:106 Resp: 1366356
Ion Ratio Lower Upper
106 100
91 226.9 178.9 268.3

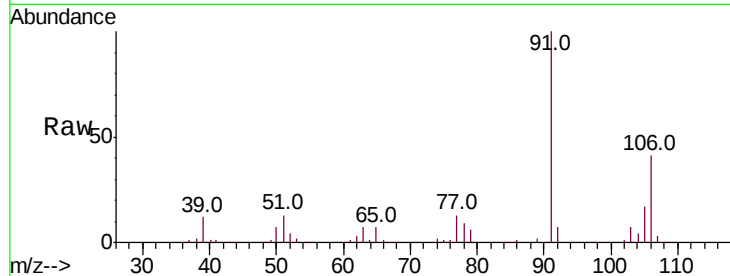




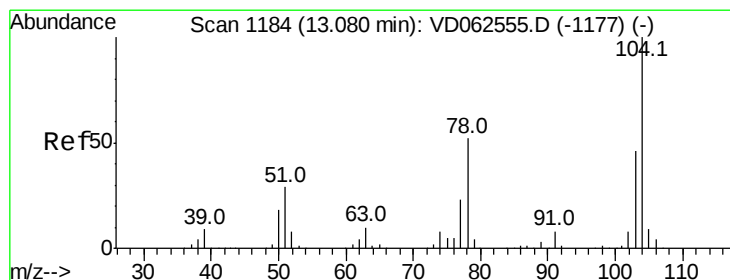
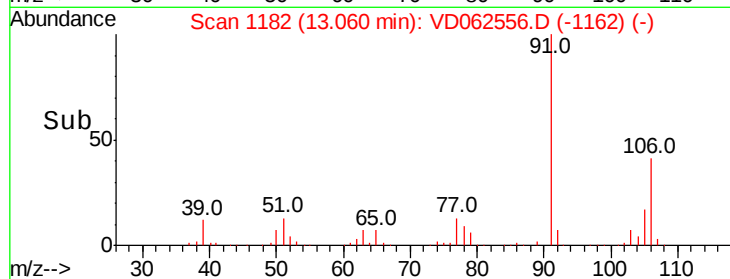
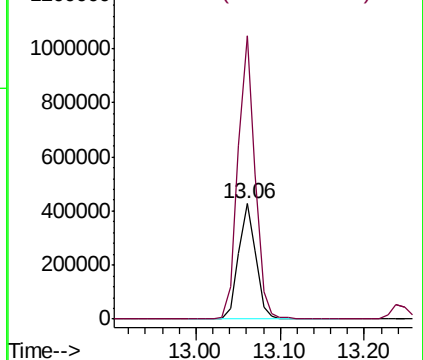
#69
o-Xylene
Concen: 51.061 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

Tot Ion:106 Resp: 612862
Ion Ratio Lower Upper
106 100
91 244.8 113.9 341.8

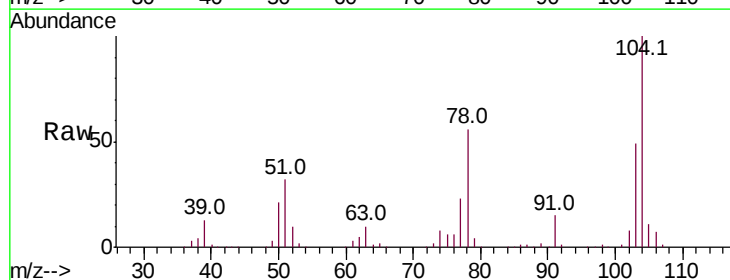


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

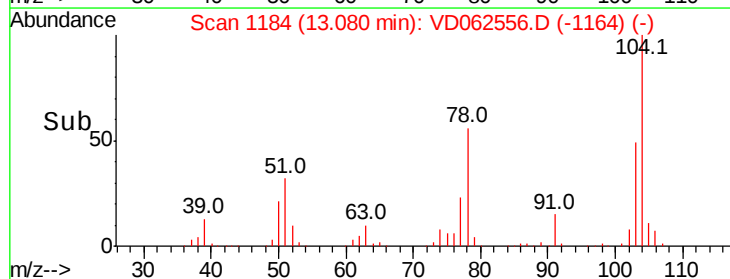
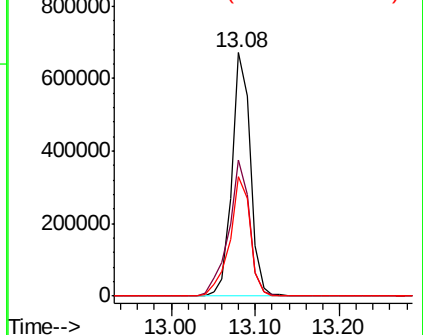


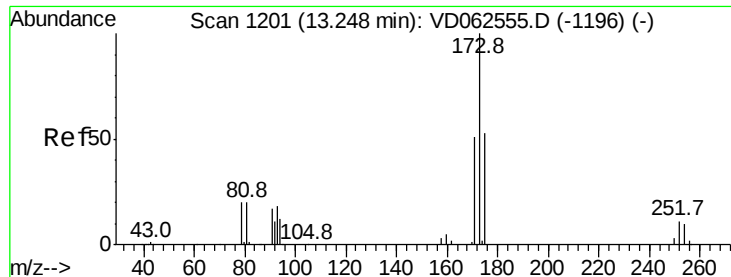
#70
Styrene
Concen: 50.239 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion:104 Resp: 1023860
Ion Ratio Lower Upper
104 100
78 55.9 41.5 62.3
103 49.1 36.6 55.0



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





#71

Bromoform

Concen: 53.003 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

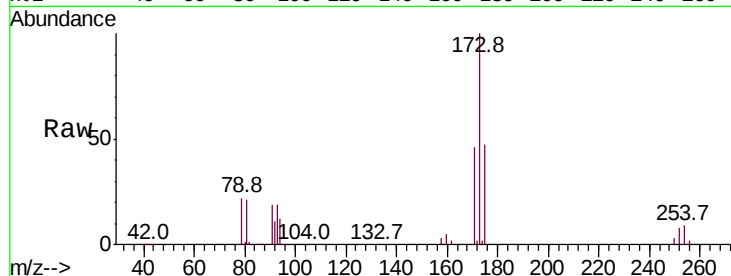
Tot Ion:173 Resp: 349324

Ion Ratio Lower Upper

173 100

175 46.8 26.6 79.7

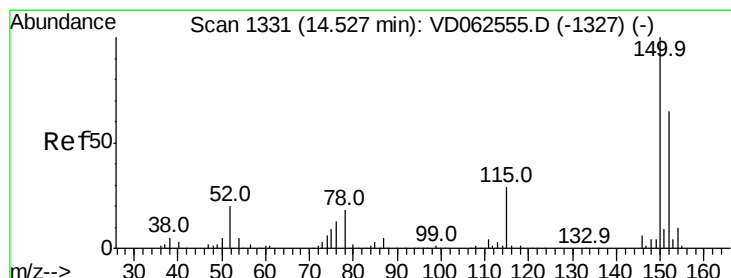
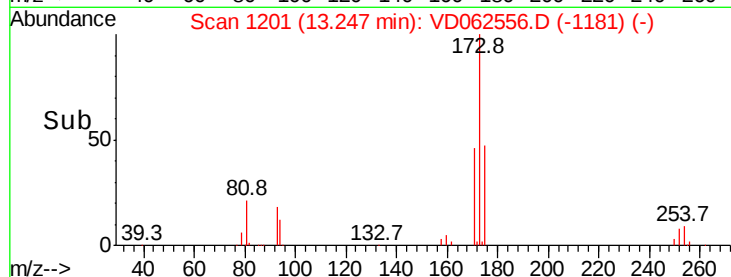
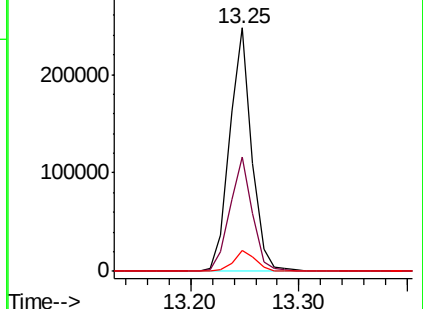
254 8.5 8.1 12.1



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: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

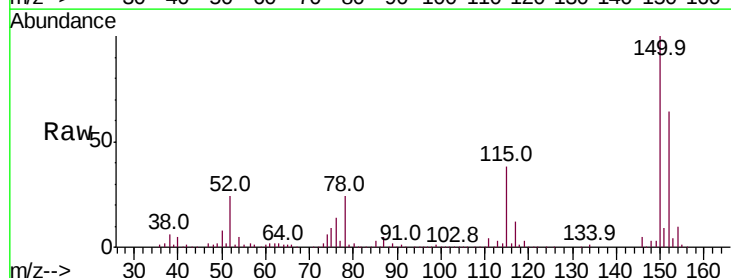
Tgt Ion:152 Resp: 561498

Ion Ratio Lower Upper

152 100

115 59.4 28.4 85.3

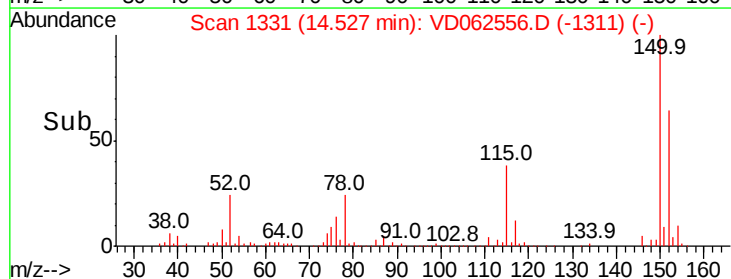
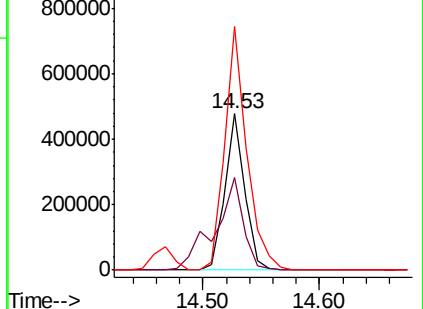
150 155.8 0.0 310.4

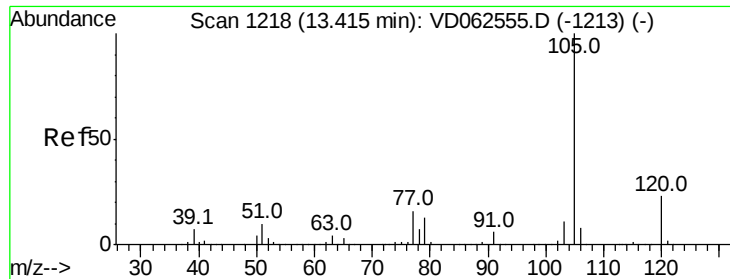


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

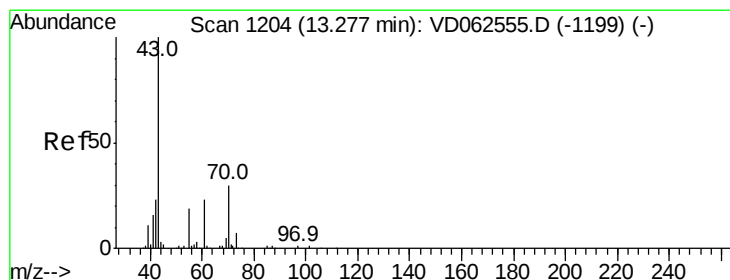
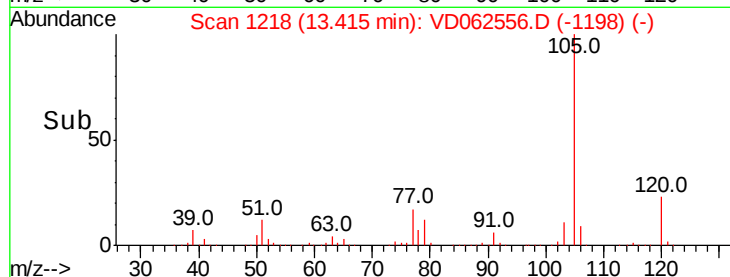
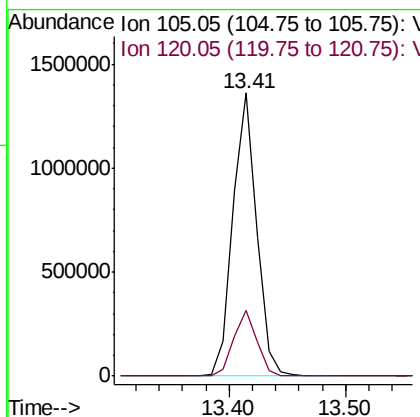
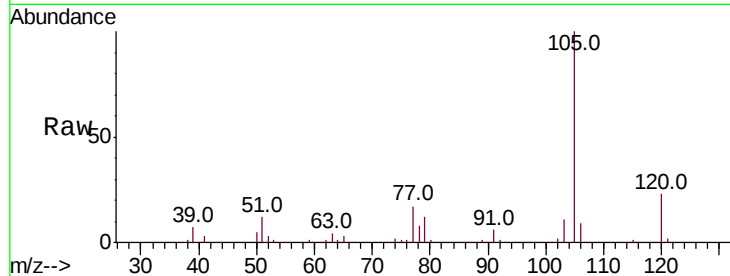




#73
Isopropylbenzene
Concen: 51.913 ug/l
RT: 13.41 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

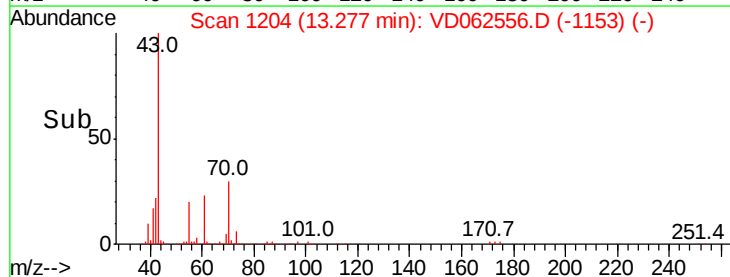
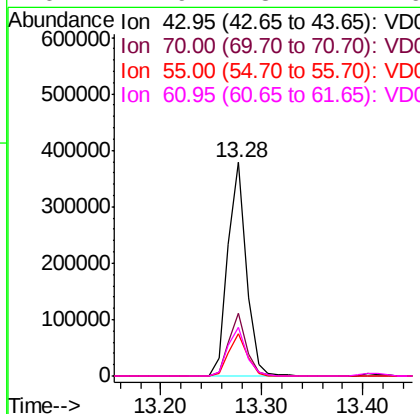
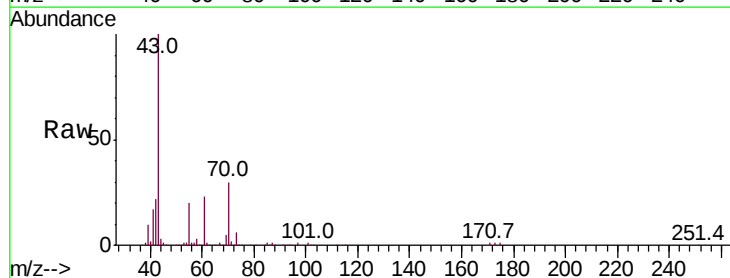
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

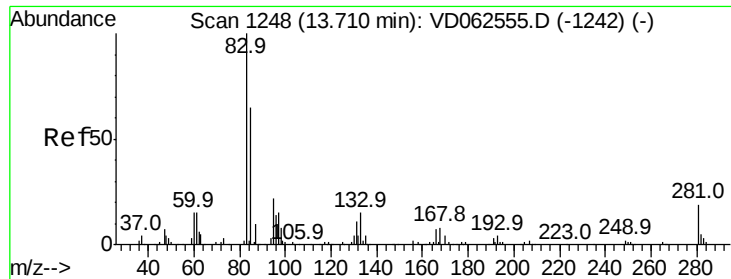
Tot Ion:105 Resp: 1921698
Ion Ratio Lower Upper
105 100
120 23.2 11.6 34.8



#74
N-ethyl acetate
Concen: 51.182 ug/l
RT: 13.28 min Scan# 1204
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion: 43 Resp: 483083
Ion Ratio Lower Upper
43 100
70 29.7 23.7 35.5
55 19.8 15.0 22.4
61 22.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.944 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

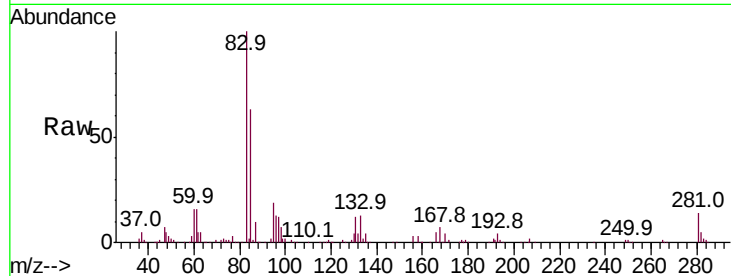
Tot Ion: 83 Resp: 310824

Ion Ratio Lower Upper

83 100

131 12.2 5.7 17.1

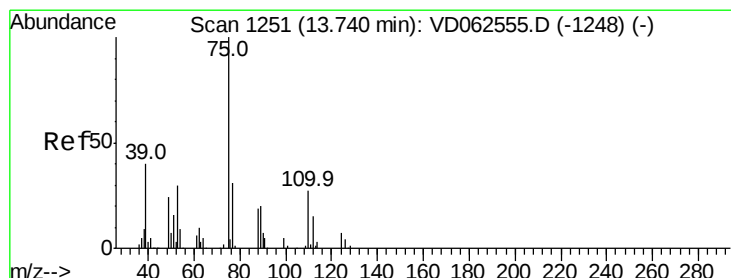
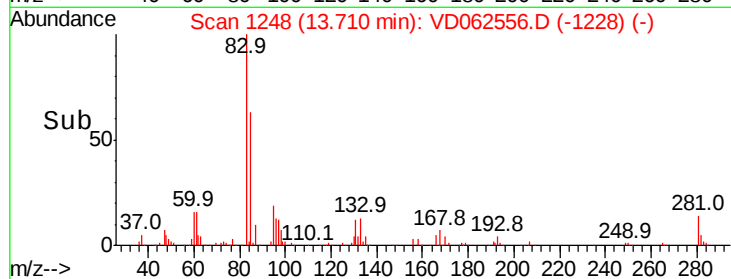
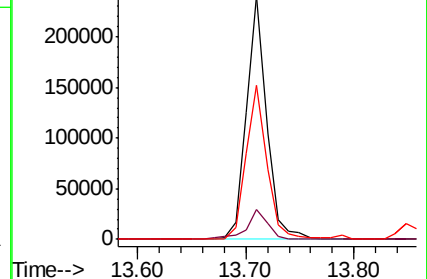
85 63.1 32.6 97.8



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: 54.518 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062556.D

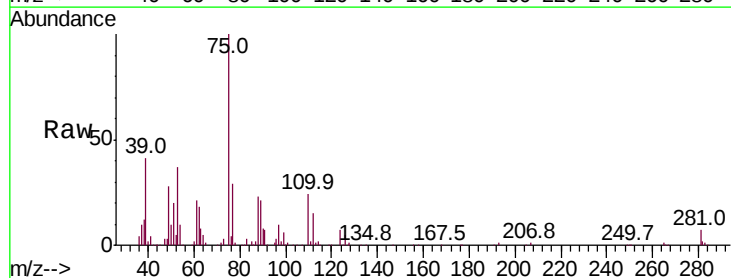
Acq: 30 May 2019 17:13

Tgt Ion: 75 Resp: 367255

Ion Ratio Lower Upper

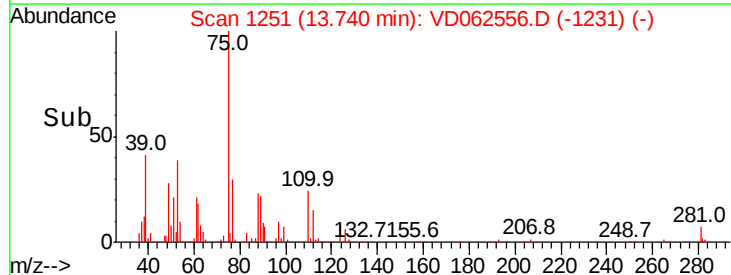
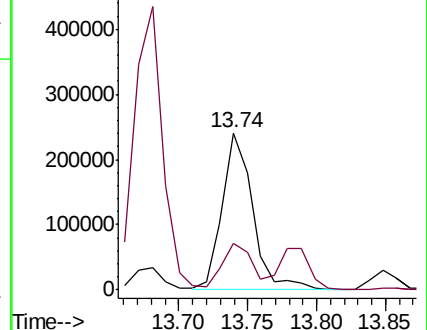
75 100

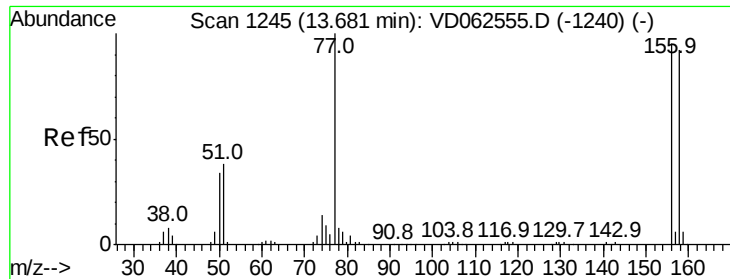
77 29.5 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.573 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

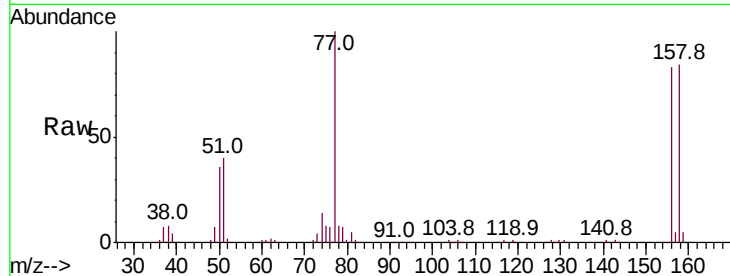
Tot Ion:156 Resp: 492987

Ion Ratio Lower Upper

156 100

77 120.1 52.9 158.7

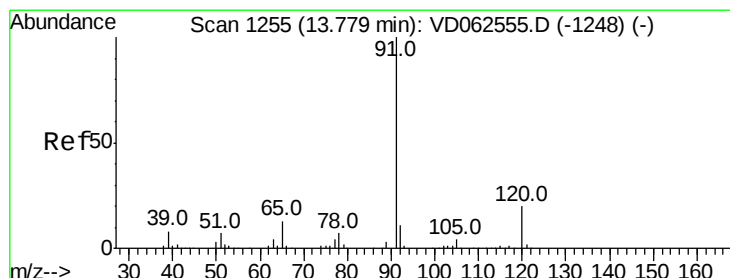
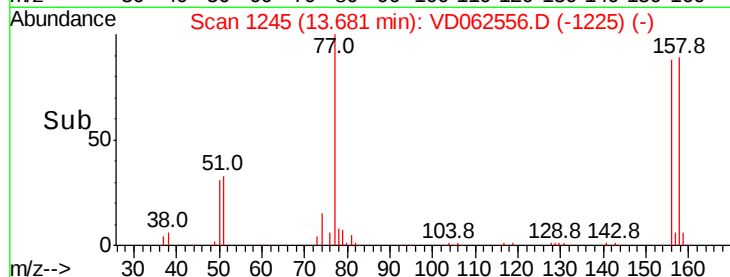
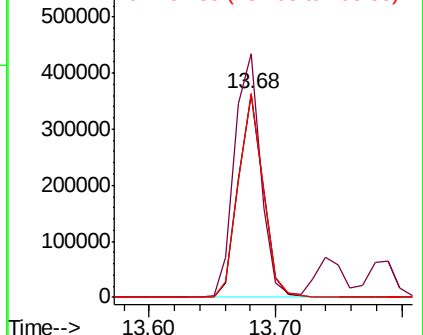
158 100.5 48.5 145.5



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: 52.746 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062556.D

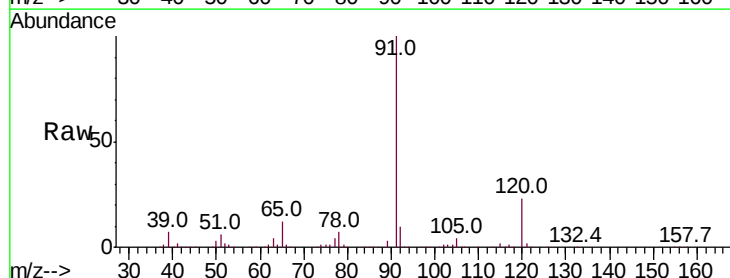
Acq: 30 May 2019 17:13

Tgt Ion: 91 Resp: 2250563

Ion Ratio Lower Upper

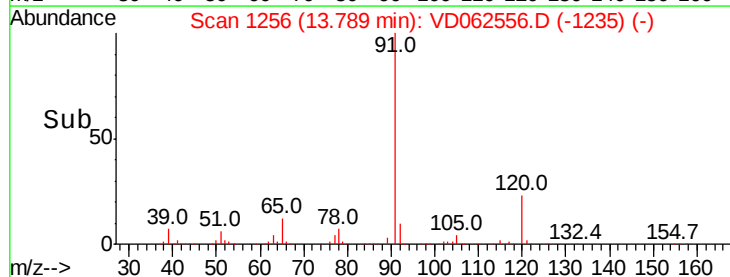
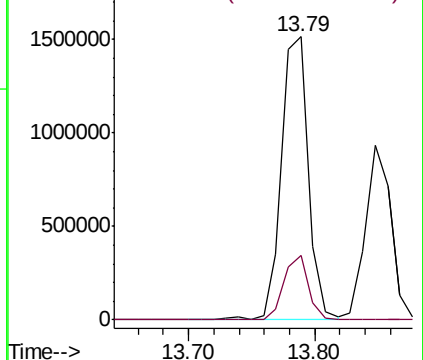
91 100

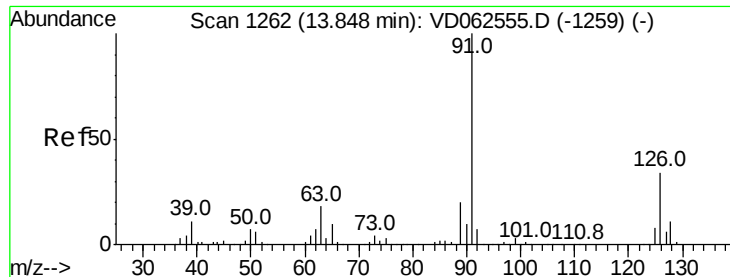
120 22.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

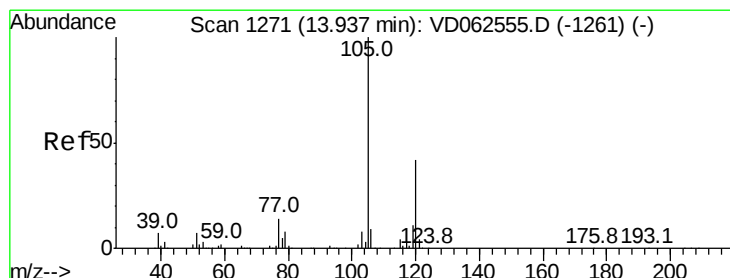
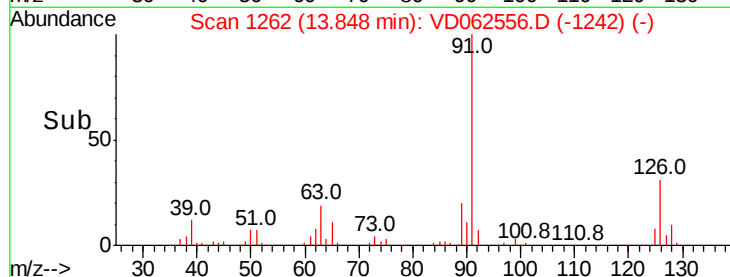
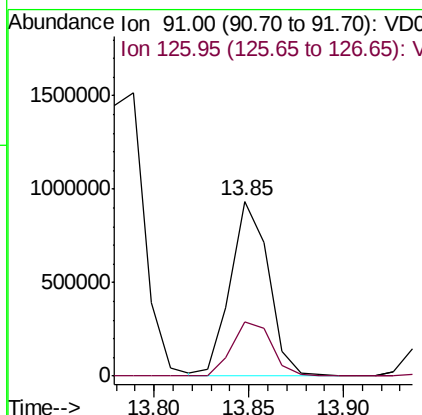
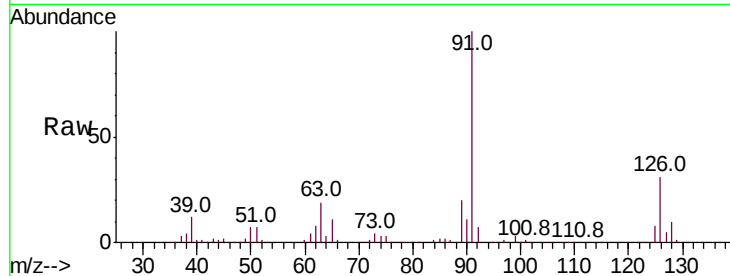




#79
 2-Chlorotoluene
 Concen: 52.542 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

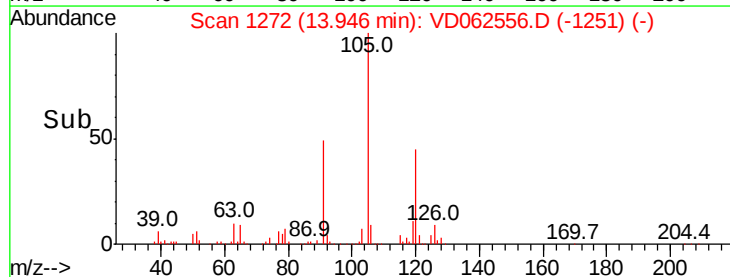
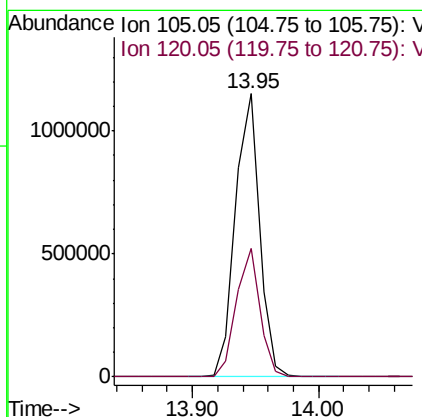
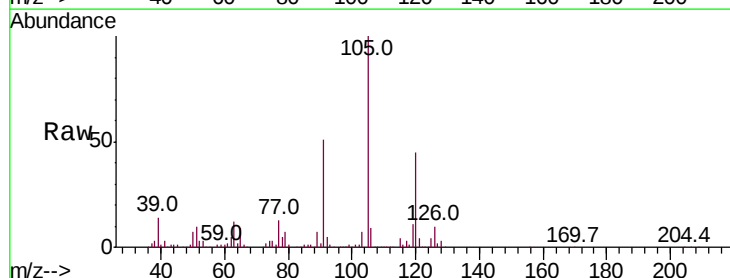
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

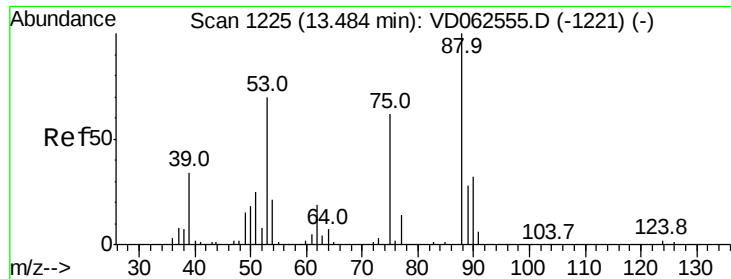
Tot Ion: 91 Resp: 1299911
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.018 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion: 105 Resp: 1518875
 Ion Ratio Lower Upper
 105 100
 120 45.3 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.956 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD062556.D

Acq: 30 May 2019 17:13

Instrument :

MSVOA_D

ClientSampleId :

ICVVD053019

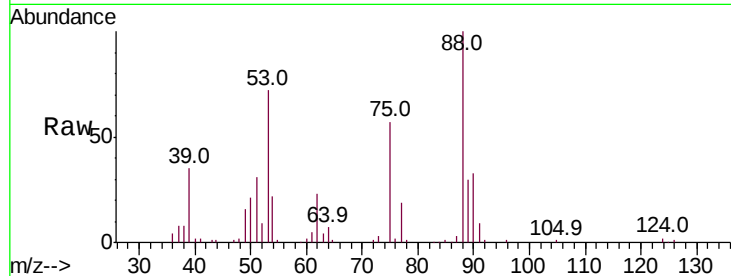
Tot Ion: 75 Resp: 94498

Ion Ratio Lower Upper

75 100

53 125.5 91.0 136.4

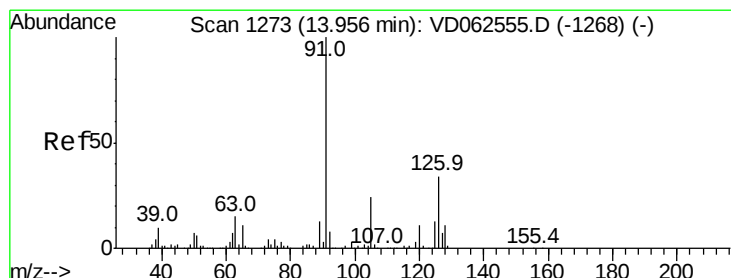
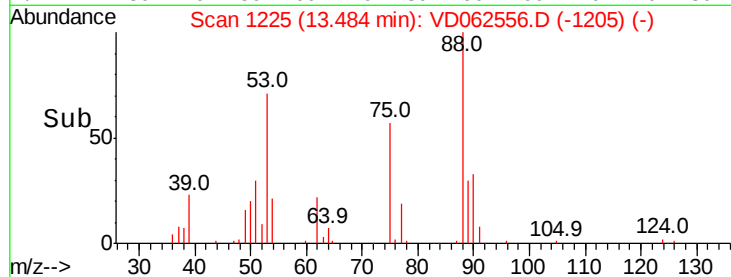
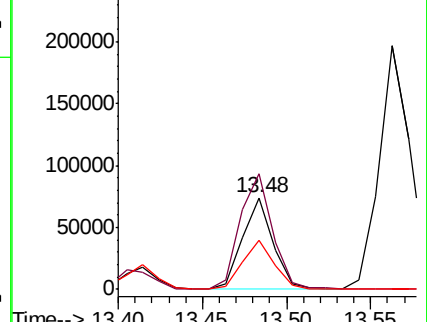
89 53.0 36.9 55.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.458 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD062556.D

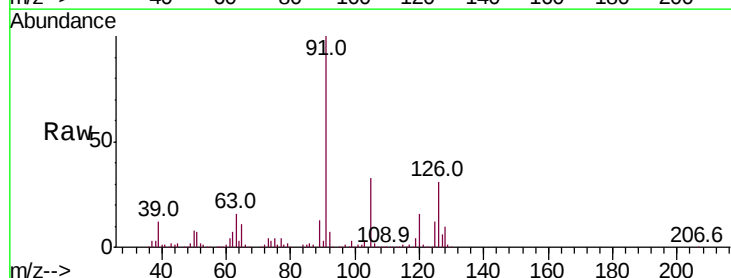
Acq: 30 May 2019 17:13

Tgt Ion: 91 Resp: 1464878

Ion Ratio Lower Upper

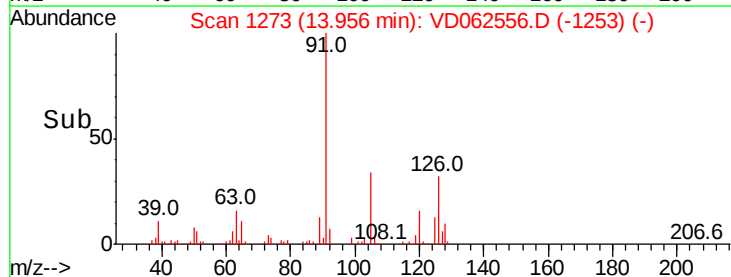
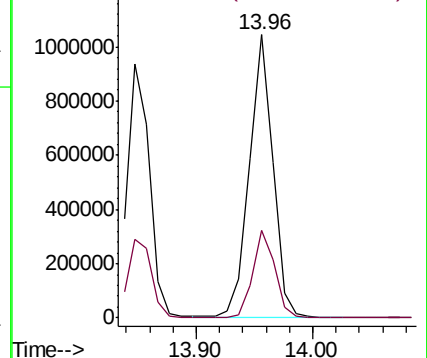
91 100

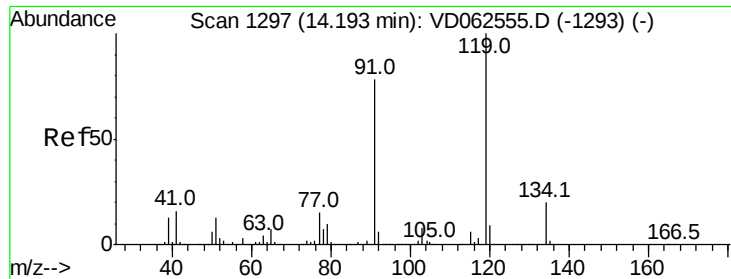
126 31.1 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

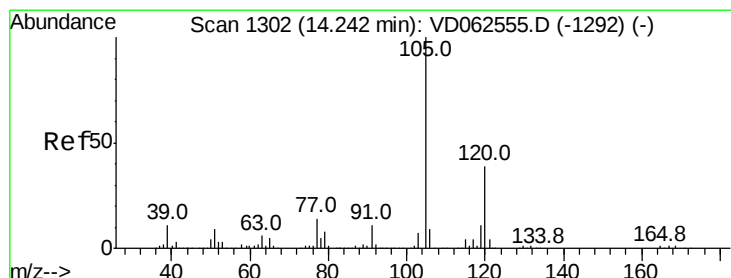
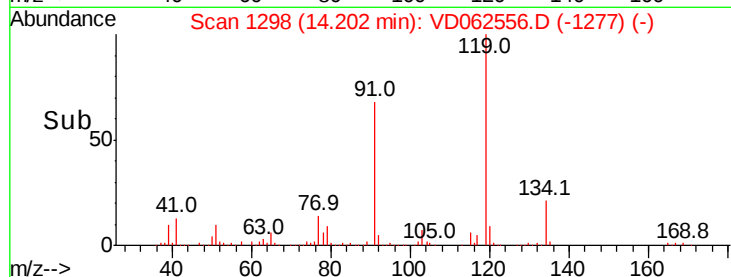
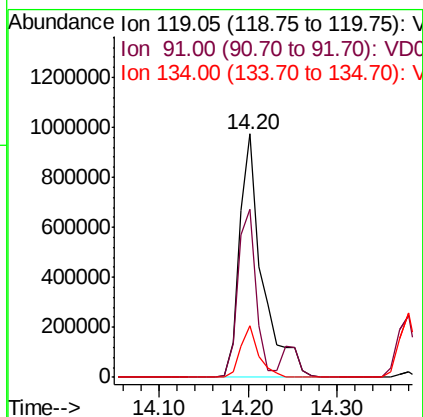
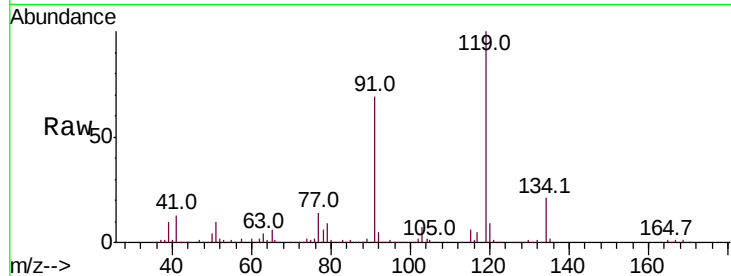




#83
tert-Butylbenzene
Concen: 49.079 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

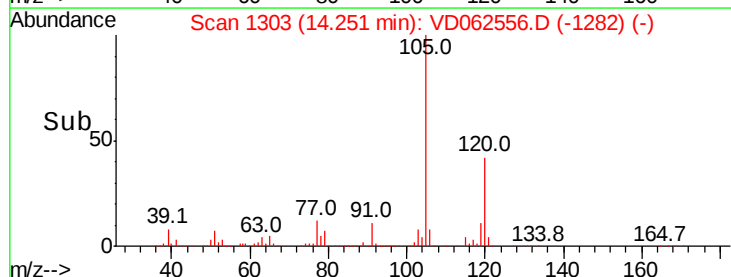
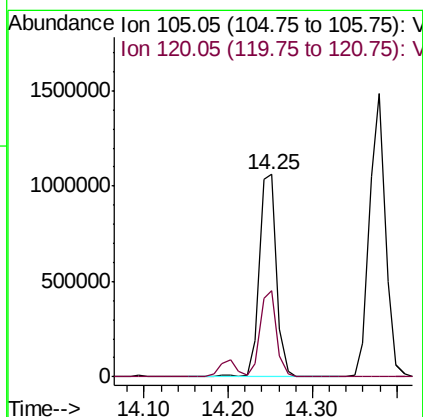
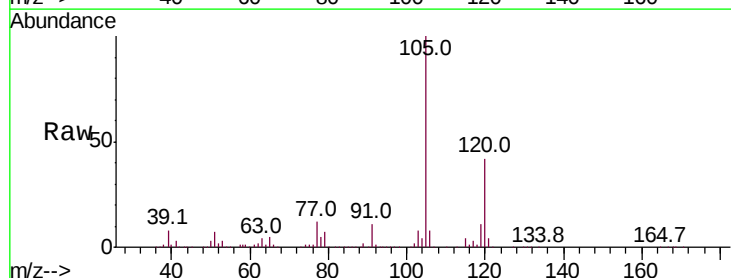
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

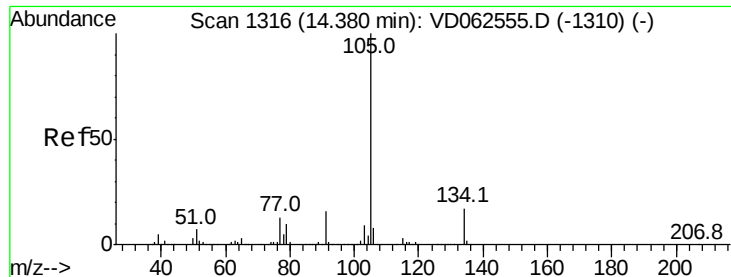
Tot Ion:119 Resp: 1732238
Ion Ratio Lower Upper
119 100
91 69.1 39.1 117.5
134 21.2 10.1 30.3



#84
1,2,4-Trimethylbenzene
Concen: 47.846 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion:105 Resp: 1542152
Ion Ratio Lower Upper
105 100
120 42.5 19.6 58.8

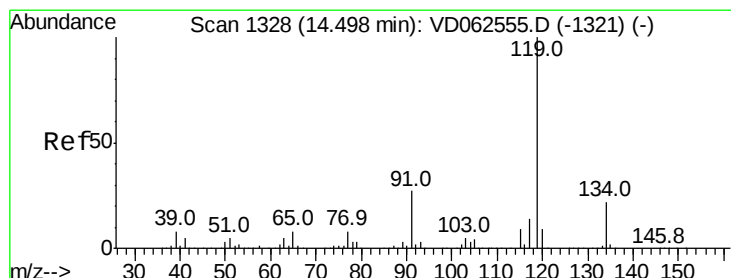
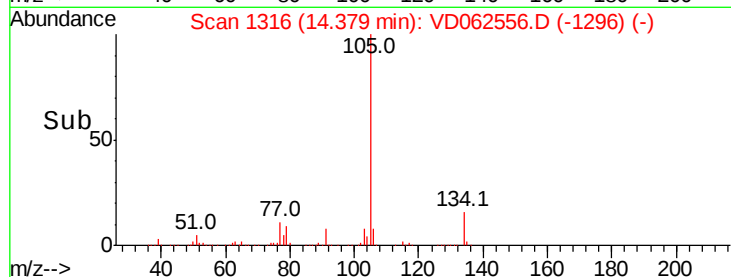
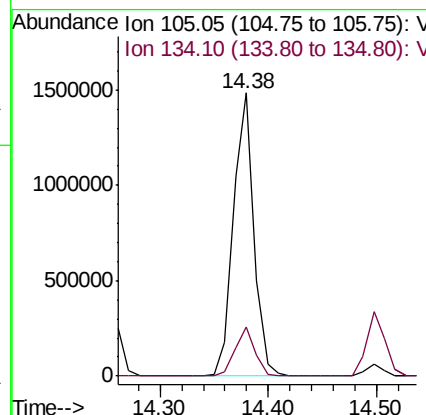
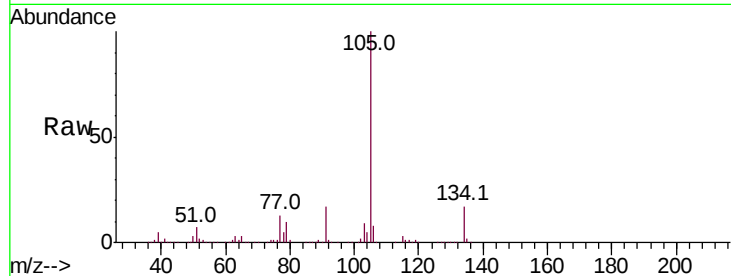




#85
 sec-Butylbenzene
 Concen: 51.988 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

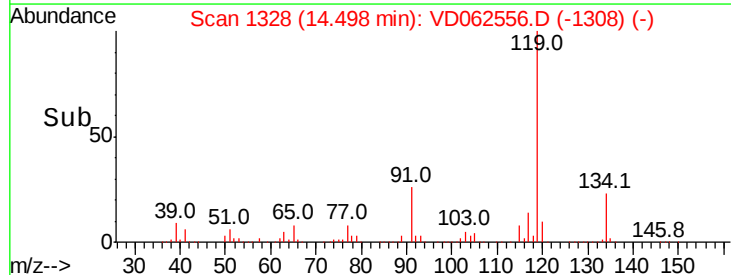
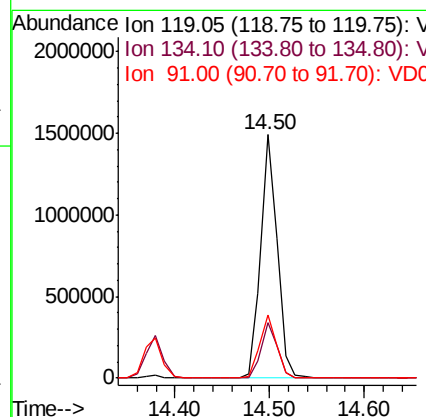
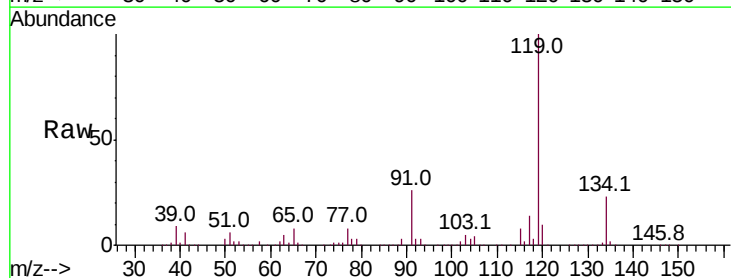
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

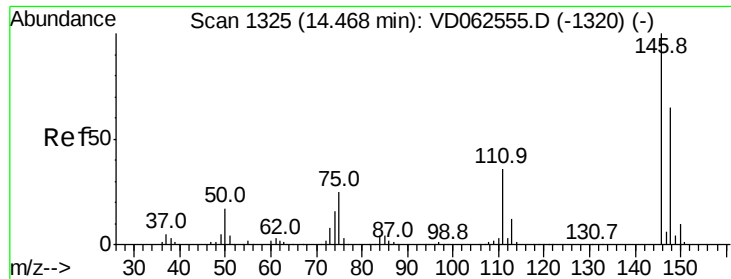
Tot Ion:105 Resp: 1943803
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 51.885 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion:119 Resp: 1812465
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.2 33.6
 91 26.1 13.6 40.7

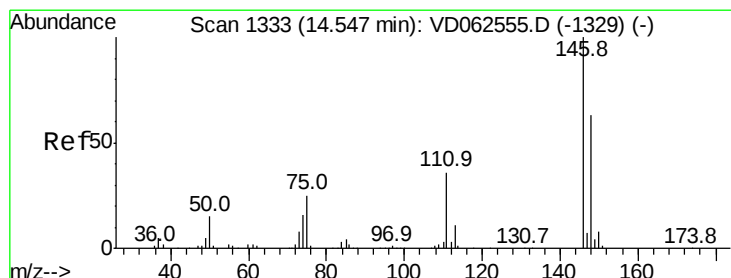
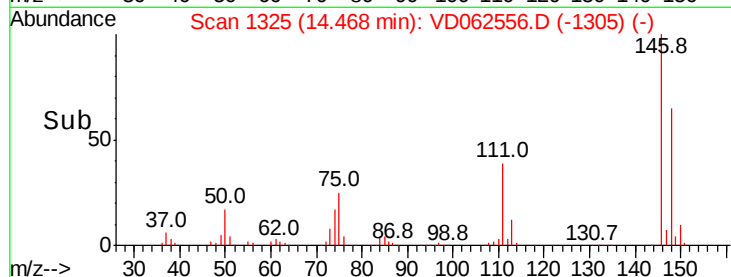
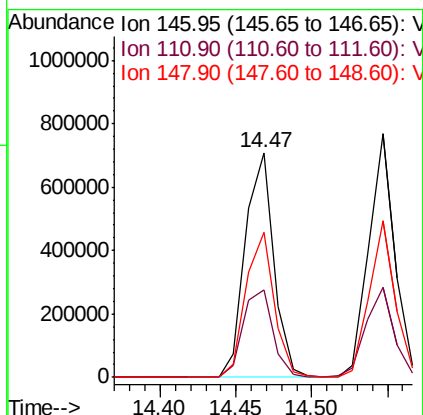
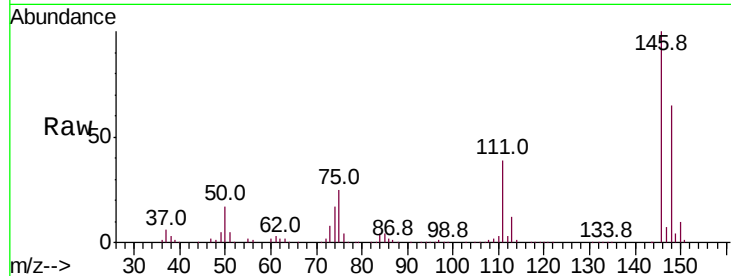




#87
 1,3-Dichlorobenzene
 Concen: 53.007 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

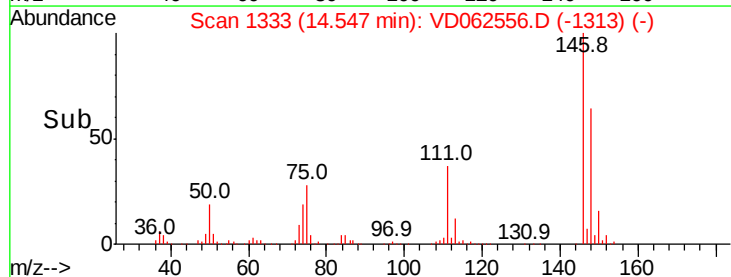
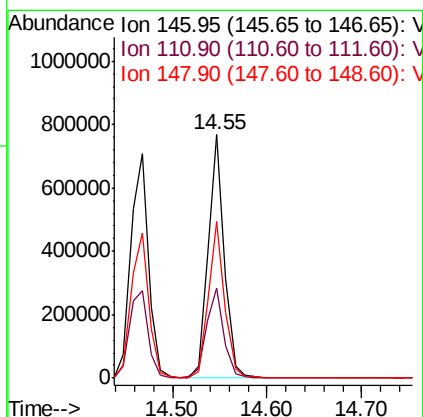
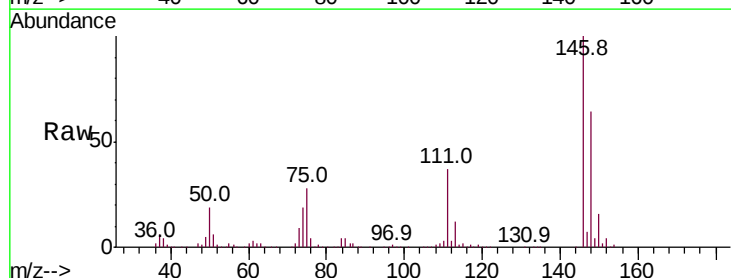
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

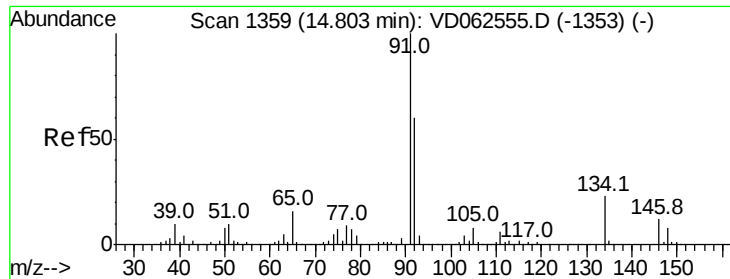
Tot Ion:146 Resp: 932583
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.1 54.4
 148 64.7 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 52.387 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion:146 Resp: 923633
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.2 54.6
 148 64.4 31.6 94.8

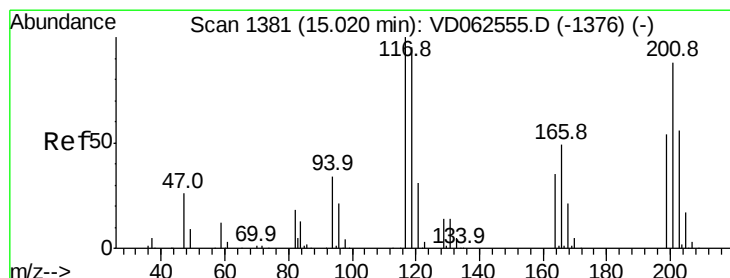
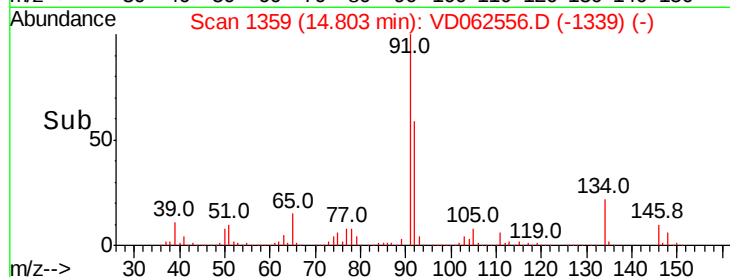
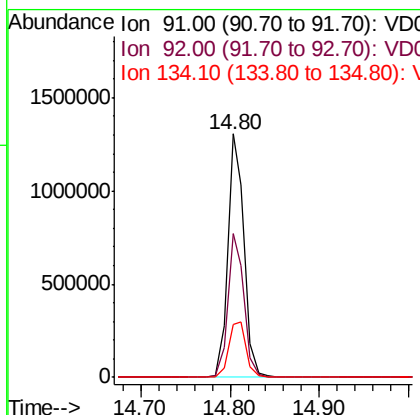
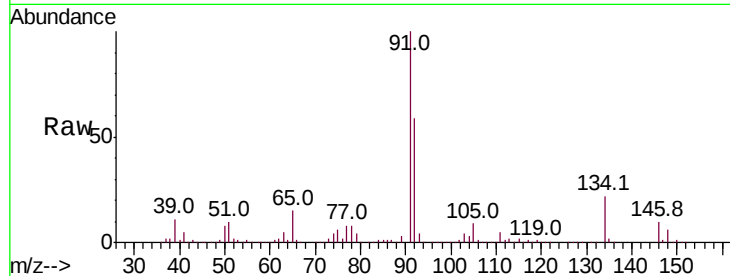




#89
n-Butylbenzene
Concen: 54.077 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

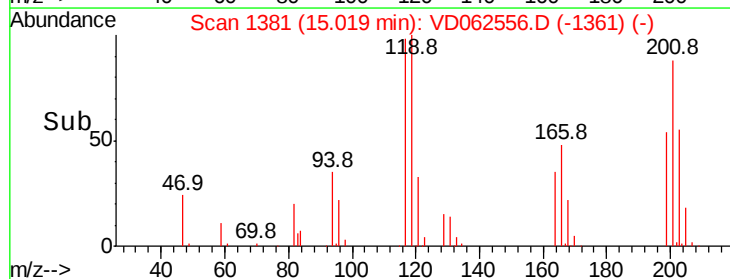
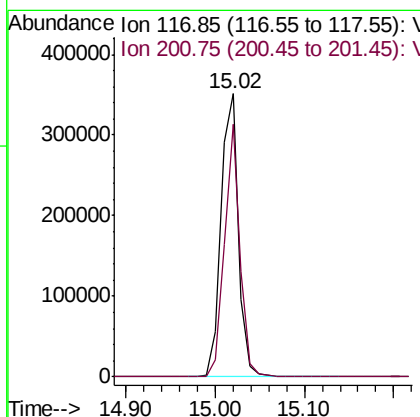
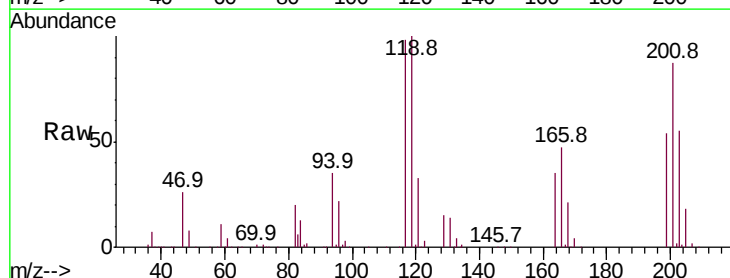
Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

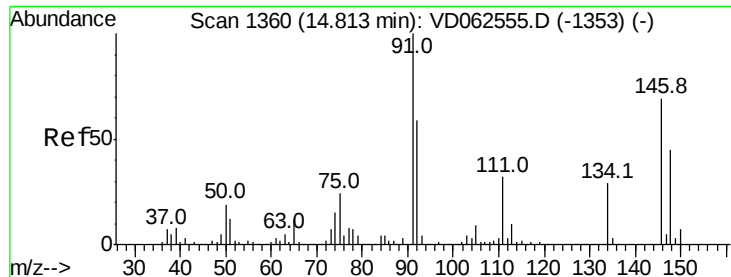
Tot Ion: 91 Resp: 1686306
Ion Ratio Lower Upper
91 100
92 59.0 29.8 89.4
134 22.0 11.3 33.8



#90
Hexachloroethane
Concen: 52.350 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion: 117 Resp: 485159
Ion Ratio Lower Upper
117 100
201 89.2 43.8 131.4

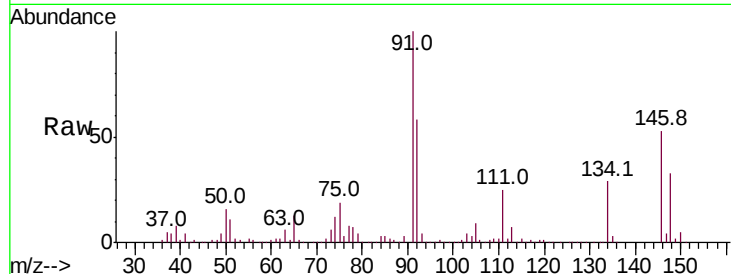




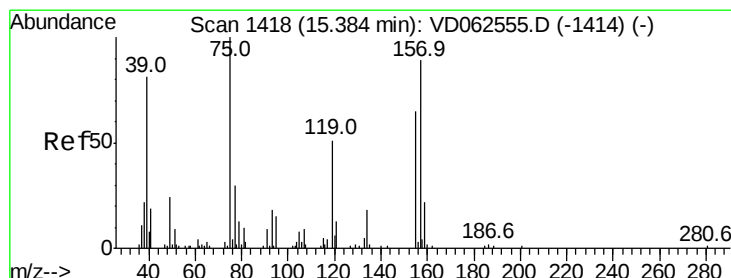
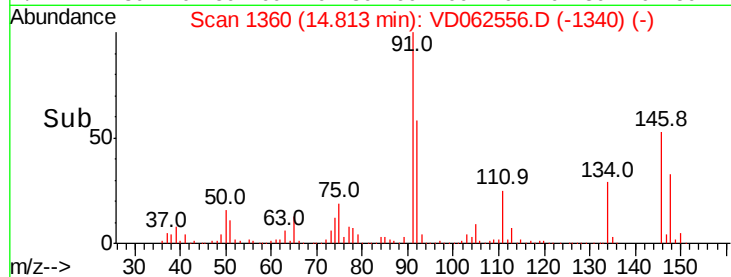
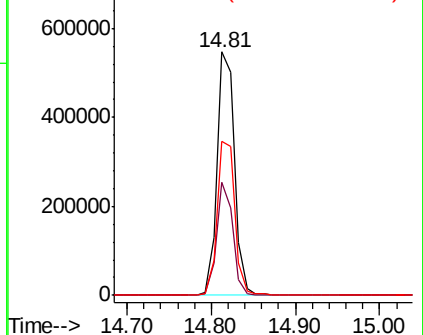
#91
 1,2-Dichlorobenzene
 Concen: 53.306 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

Tot Ion:146 Resp: 788944
 Ion Ratio Lower Upper
 146 100
 111 46.4 22.8 68.4
 148 63.2 32.3 96.9

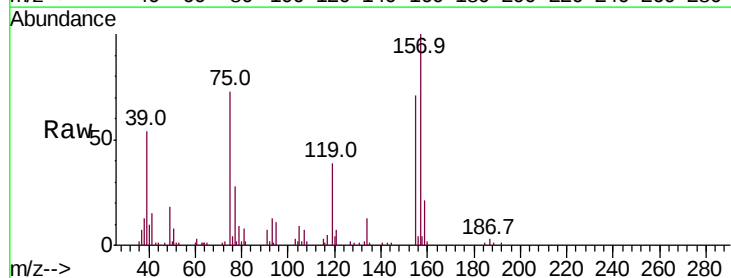


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

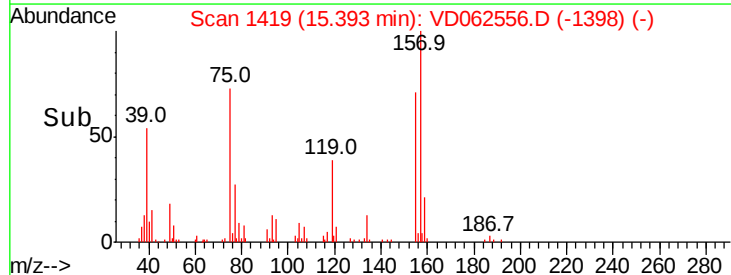
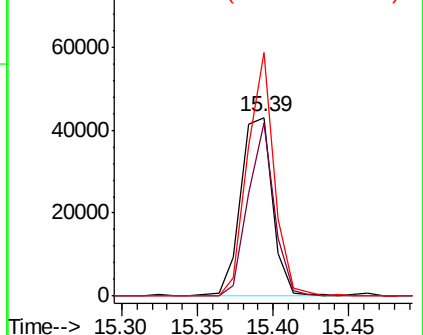


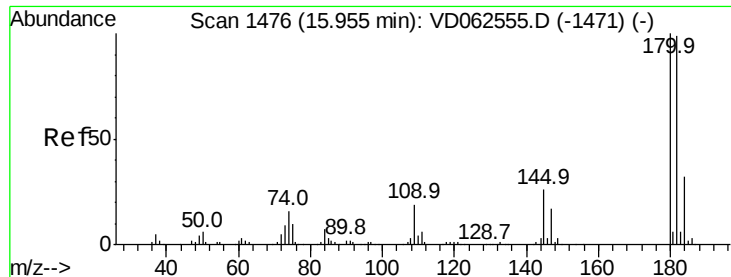
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.924 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion: 75 Resp: 63209
 Ion Ratio Lower Upper
 75 100
 155 96.6 32.6 97.8
 157 136.1 44.5 133.7#



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

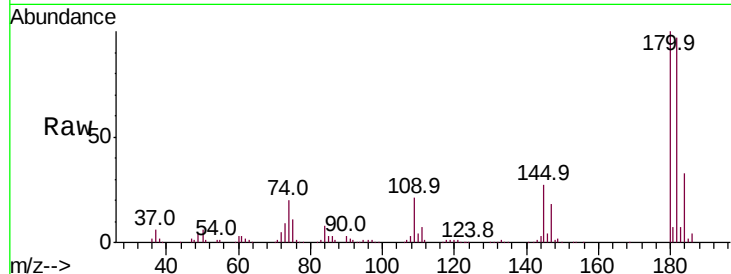




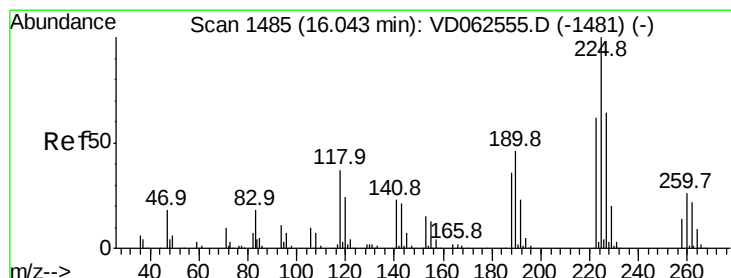
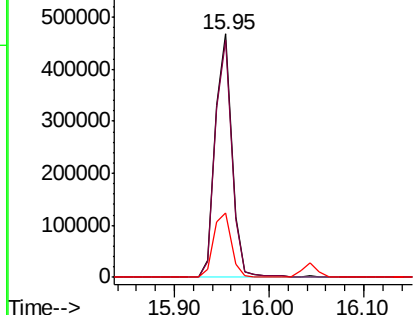
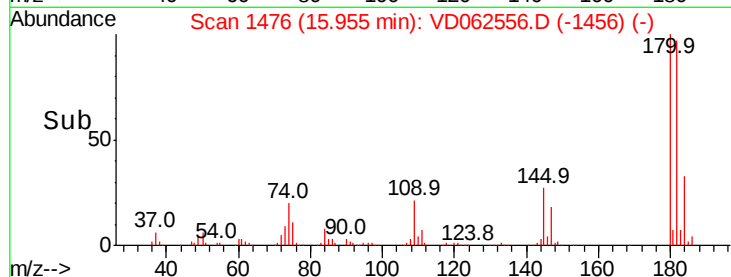
#93
 1,2,4-Trichlorobenzene
 Concen: 48.928 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD053019

Tot Ion:180 Resp: 579030
 Ion Ratio Lower Upper
 180 100
 182 97.4 49.5 148.3
 145 26.5 13.1 39.3

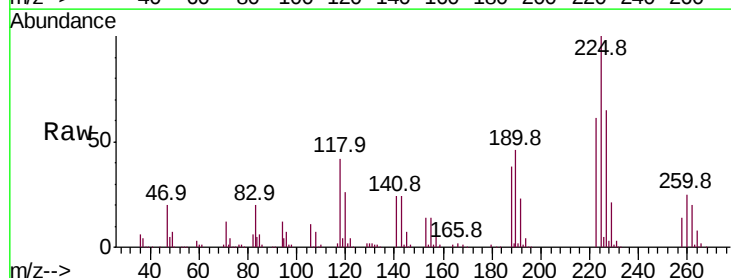


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

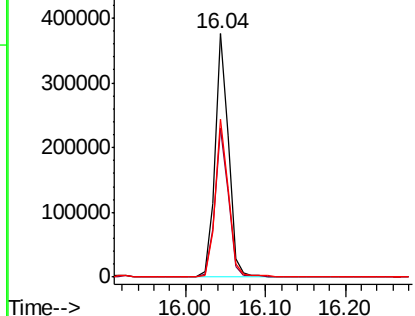
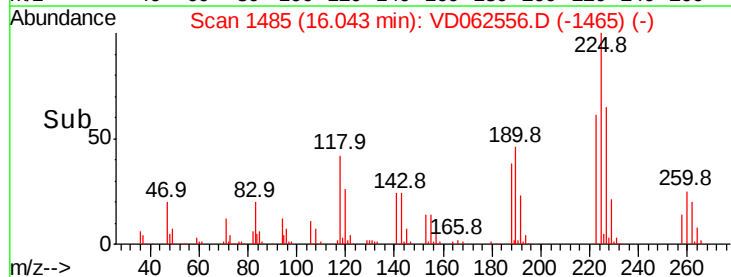


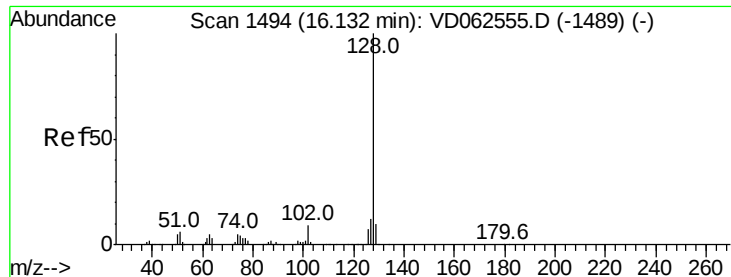
#94
 Hexachlorobutadiene
 Concen: 51.523 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062556.D
 Acq: 30 May 2019 17:13

Tgt Ion:225 Resp: 450116
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.1 93.5
 227 65.0 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

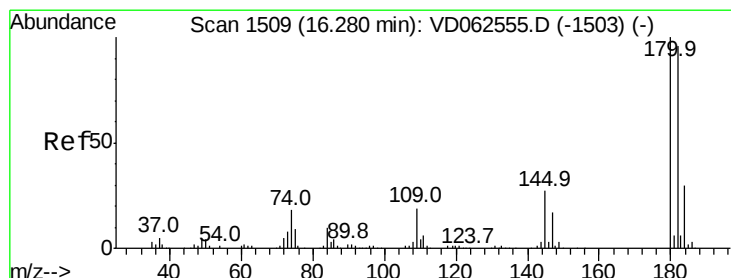
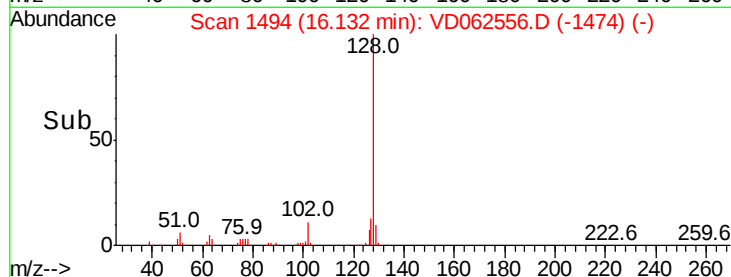
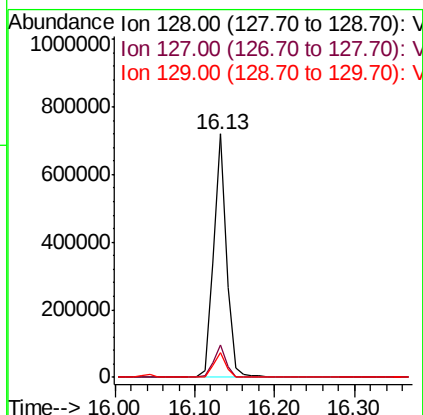
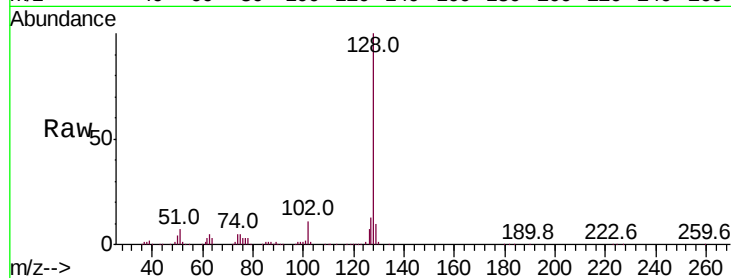




#95
Naphthalene
Concen: 51.538 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Instrument :
MSVOA_D
ClientSampleId :
ICVVD053019

Tot Ion:128 Resp: 830614
Ion Ratio Lower Upper
128 100
127 13.1 9.7 14.5
129 10.3 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 48.410 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD062556.D
Acq: 30 May 2019 17:13

Tgt Ion:180 Resp: 427949
Ion Ratio Lower Upper
180 100
182 93.8 48.1 144.3
145 29.5 13.3 39.9

