

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062551.D
 Acq On : 30 May 2019 13:27
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: May 31 01:58:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	921021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1185381	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1039065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	581079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	708604	65.55	ug/l	0.00
Spiked Amount			Recovery	=	131.10%	
35) Dibromofluoromethane	6.93	113	773065	70.57	ug/l	0.00
Spiked Amount			Recovery	=	141.14%	
50) Toluene-d8	10.41	98	1683748	70.93	ug/l	0.00
Spiked Amount			Recovery	=	141.86%	
62) 4-Bromofluorobenzene	13.56	95	776153	72.92	ug/l	0.00
Spiked Amount			Recovery	=	145.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	635732	57.932	ug/l	92
3) Chloromethane	1.73	50	679677	54.312	ug/l	98
4) Vinyl Chloride	1.84	62	566312	67.145	ug/l	100
5) Bromomethane	2.15	94	187507m	72.444	ug/l	
6) Chloroethane	2.26	64	279121	69.399	ug/l	97
7) Trichlorofluoromethane	2.53	101	1187797	67.413	ug/l	98
8) Diethyl Ether	2.86	74	154044	68.043	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	670003	64.281	ug/l	97
10) Methyl Iodide	3.30	142	871533	76.571	ug/l	98
11) Tert butyl alcohol	4.08	59	164628	331.283	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	464292	62.675	ug/l	93
13) Acrolein	3.03	56	62307	289.667	ug/l	96
14) Allyl chloride	3.61	41	788933	68.025	ug/l	100
15) Acrylonitrile	4.19	53	397951	355.518	ug/l	98
16) Acetone	3.22	43	712414	319.550	ug/l	99
17) Carbon Disulfide	3.37	76	1612900	68.517	ug/l	97
18) Methyl Acetate	3.64	43	214077	59.030	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	1254442	69.521	ug/l	97
20) Methylene Chloride	3.81	84	514342	65.827	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	573248	68.255	ug/l	97
22) Diisopropyl ether	5.12	45	1637558	70.140	ug/l	96
23) Vinyl Acetate	5.06	43	4884896	343.797	ug/l	96
24) 1,1-Dichloroethane	4.98	63	1018469	66.775	ug/l	97
25) 2-Butanone	6.08	43	689167	336.370	ug/l	98
26) 2,2-Dichloropropane	6.02	77	1110091	67.033	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	579353	66.968	ug/l	96
28) Bromochloromethane	6.44	49	345606	68.320	ug/l	96
29) Tetrahydrofuran	6.47	42	305056	323.855	ug/l	98
30) Chloroform	6.66	83	1235161	67.300	ug/l	94
31) Cyclohexane	6.96	56	688345	68.122	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	1276039	68.086	ug/l	98
36) 1,1-Dichloropropene	7.16	75	854213	71.055	ug/l	96
37) Ethyl Acetate	6.19	43	331148	61.686	ug/l	97
38) Carbon Tetrachloride	7.12	117	1340785m	73.840	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	751579	74.626	ug/l	98
40) Benzene	7.46	78	1697302	71.873	ug/l	99
41) Methacrylonitrile	6.45	41	418731	69.586	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	932873	70.757	ug/l	98
43) Isopropyl Acetate	9.24	43	469962	73.834	ug/l #	98
44) Trichloroethene	8.54	130	672828	71.180	ug/l	99
45) 1,2-Dichloropropane	8.95	63	411300	70.904	ug/l	98
46) Dibromomethane	9.07	93	357154	73.815	ug/l	97
47) Bromodichloromethane	9.38	83	1009115	75.081	ug/l	97
48) Methyl methacrylate	9.13	41	327079	74.784	ug/l	98
49) 1,4-Dioxane	9.09	88	56714	1597.349	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	1529531	339.677	ug/l	99
52) Toluene	10.51	92	1182162	73.581	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	828036	72.066	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	864160	72.759	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	388991	72.812	ug/l	93
56) Ethyl methacrylate	11.04	69	391415	69.271	ug/l	94
57) 1,3-Dichloropropane	11.42	76	609613	75.339	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	863830	294.956	ug/l	99
59) 2-Hexanone	11.54	43	1182621	375.899	ug/l	97
60) Dibromochloromethane	11.69	129	747141	72.090	ug/l	100
61) 1,2-Dibromoethane	11.81	107	475903	75.280	ug/l	98
64) Tetrachloroethene	11.26	164	636677	67.704	ug/l	96
65) Chlorobenzene	12.40	112	1364703	64.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	654997	66.706	ug/l	98
67) Ethyl Benzene	12.53	91	2475234	65.382	ug/l	97
68) m/p-Xylenes	12.67	106	1798316	139.872	ug/l	98
69) o-Xylene	13.05	106	822399	66.011	ug/l	96
70) Styrene	13.08	104	1332594	63.271	ug/l	99
71) Bromoform	13.24	173	461639	67.529	ug/l #	92
73) Isopropylbenzene	13.41	105	2513108	65.048	ug/l	99
74) N-amyl acetate	13.27	43	667444	67.241	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	401268	63.376	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	495912	67.591	ug/l	99
77) Bromobenzene	13.67	156	687627	63.580	ug/l	84
78) n-propylbenzene	13.78	91	2978306	66.151	ug/l	96
79) 2-Chlorotoluene	13.85	91	1718629	65.203	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	2191196	65.385	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	137106	69.075	ug/l	86
82) 4-Chlorotoluene	13.95	91	2082039	65.685	ug/l	91
83) tert-Butylbenzene	14.20	119	2494638	67.665	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	2329139	69.515	ug/l	96
85) sec-Butylbenzene	14.37	105	2597006	66.052	ug/l	100
86) p-Isopropyltoluene	14.50	119	2424079	65.552	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	1087386	57.597	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1247555	67.380	ug/l	95
89) n-Butylbenzene	14.81	91	2246603	66.767	ug/l	97
90) Hexachloroethane	15.01	117	637999	64.558	ug/l	83
91) 1,2-Dichlorobenzene	14.82	146	1062419	66.057	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	85736	66.737	ug/l	71

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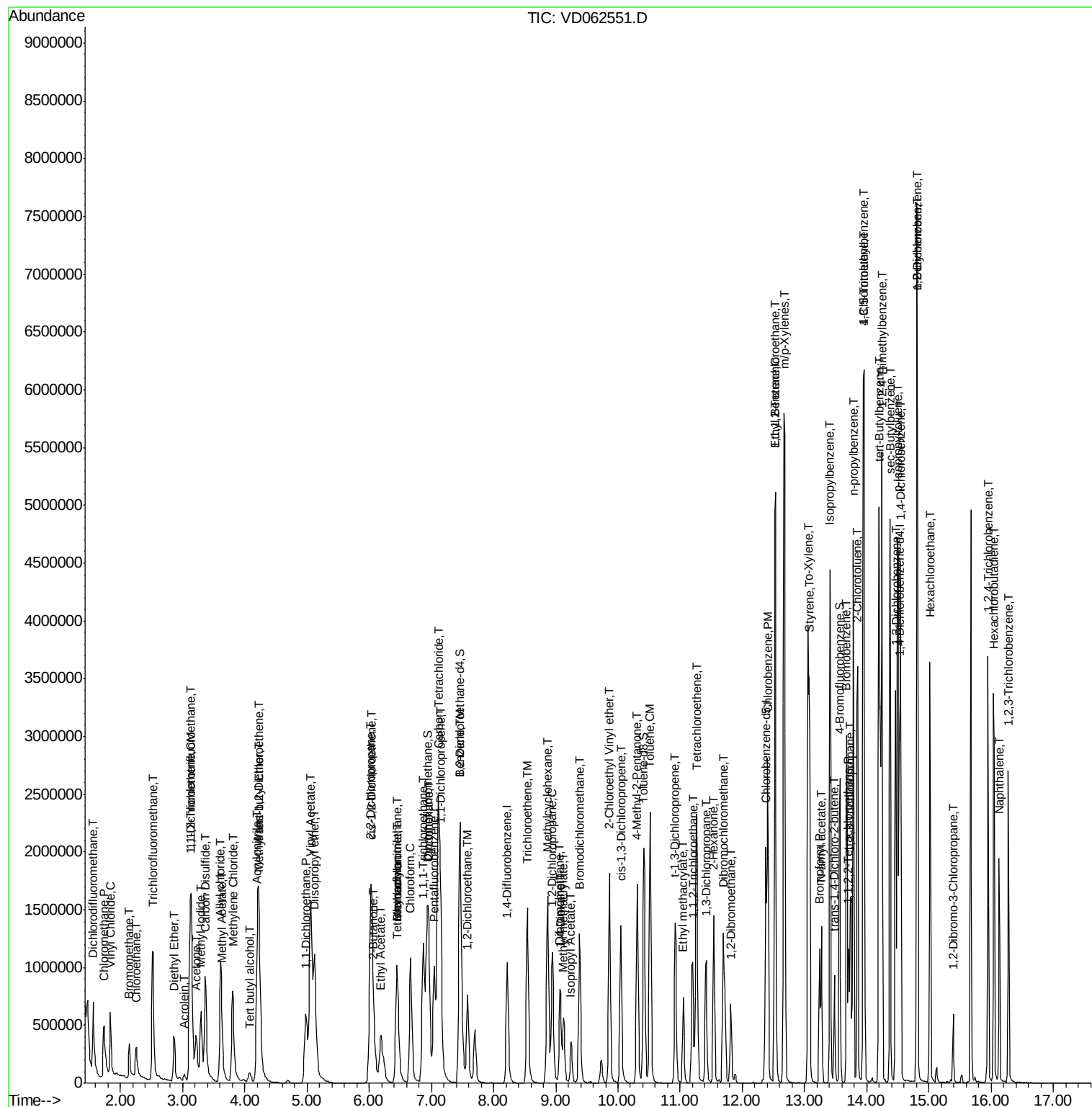
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	849578	68.405	ug/l	96
94) Hexachlorobutadiene	16.05	225	597977	65.639	ug/l	99
95) Naphthalene	16.12	128	1158641	66.085	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	643696	68.737	ug/l	98

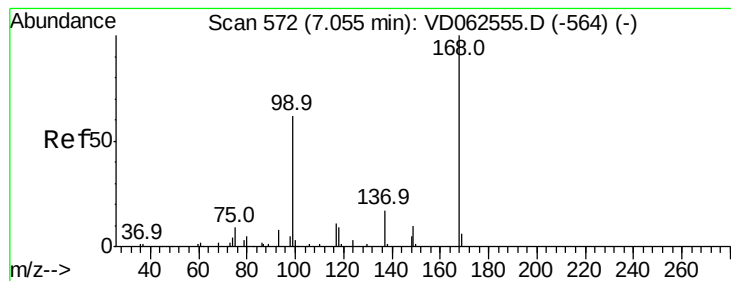
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

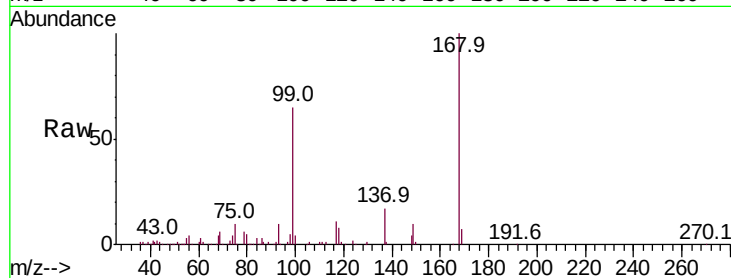
VSTDIC075

Tot Ion:168 Resp: 921021

Ion Ratio Lower Upper

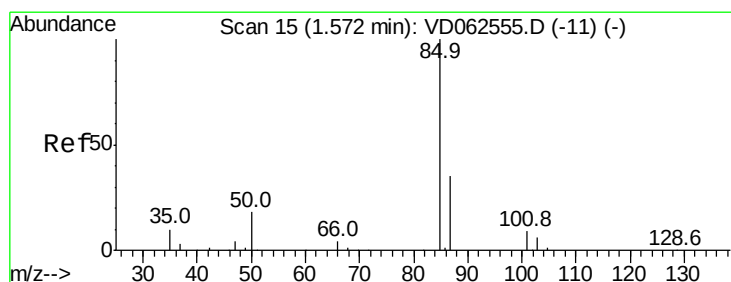
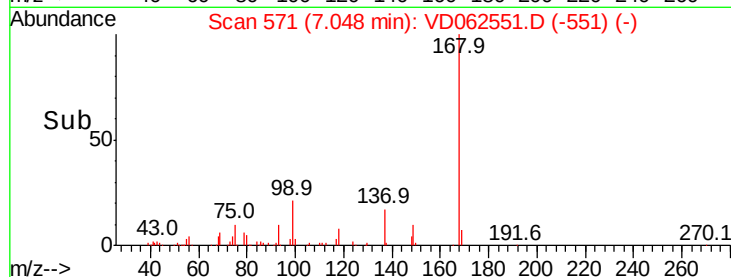
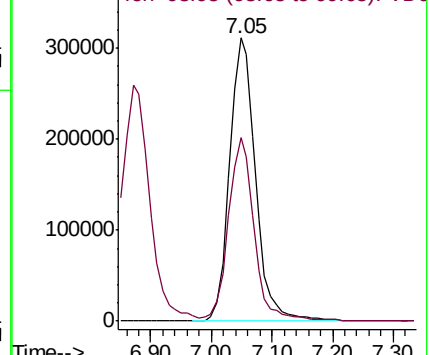
168 100

99 64.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 57.932 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062551.D

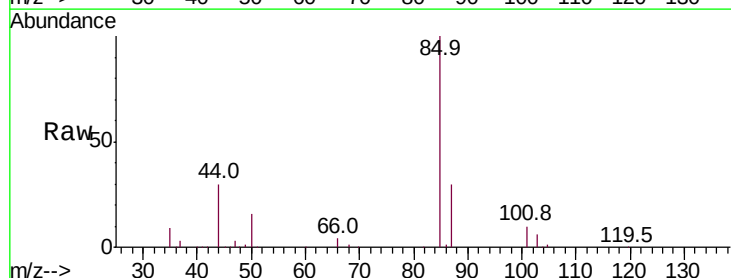
Acq: 30 May 2019 13:27

Tgt Ion: 85 Resp: 635732

Ion Ratio Lower Upper

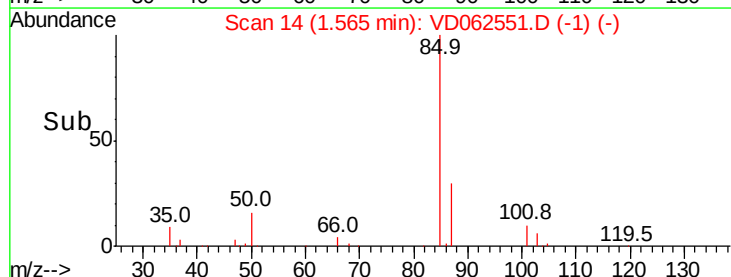
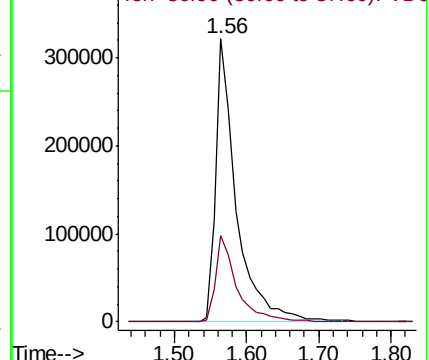
85 100

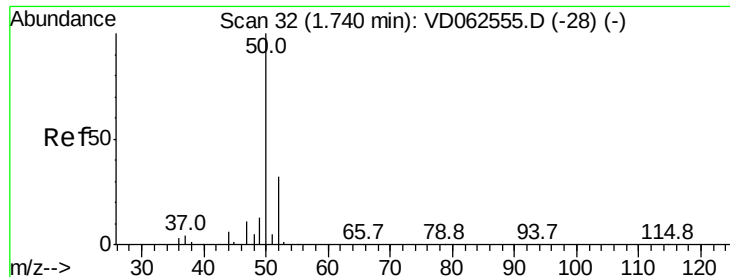
87 30.5 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.312 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

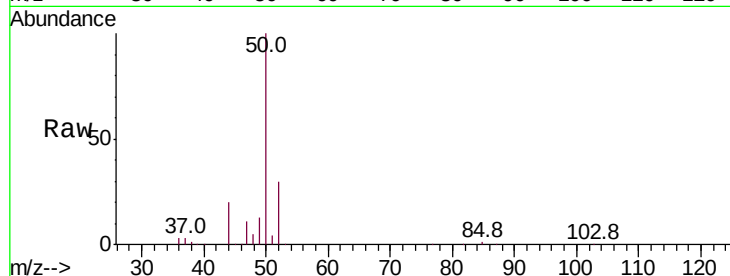
VSTDIC075

Tot Ion: 50 Resp: 679677

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

1.73

250000

200000

150000

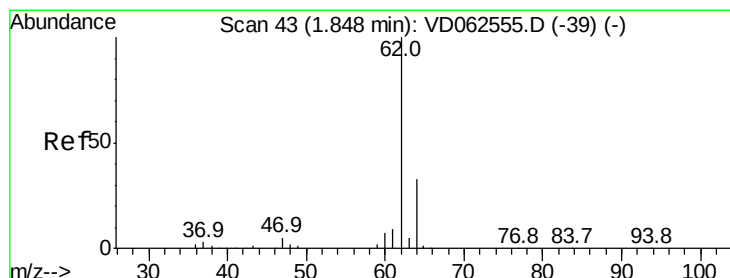
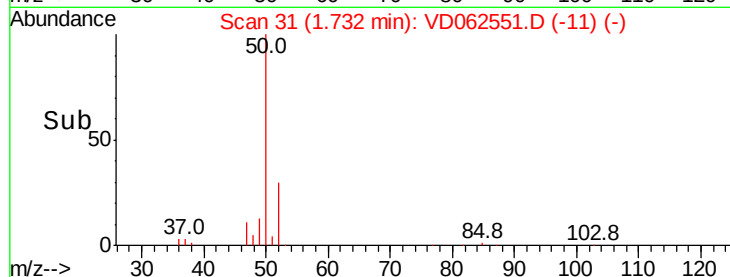
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50000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 67.145 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062551.D

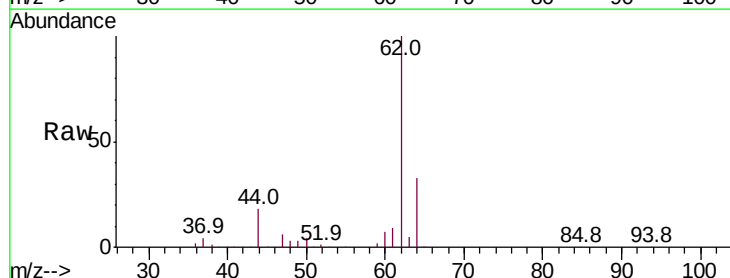
Acq: 30 May 2019 13:27

Tgt Ion: 62 Resp: 566312

Ion Ratio Lower Upper

62 100

64 33.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

300000

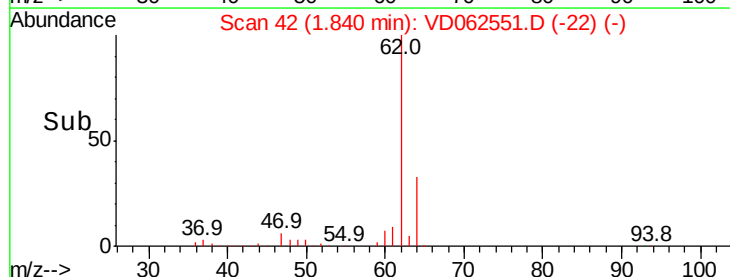
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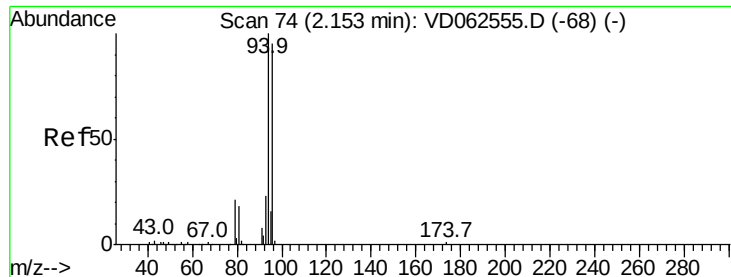
100000

0

Time-->

1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 72.444 ug/l m

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

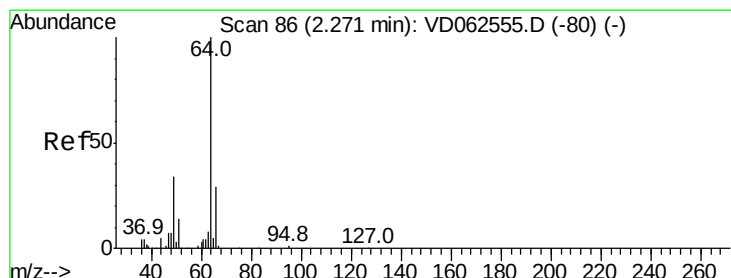
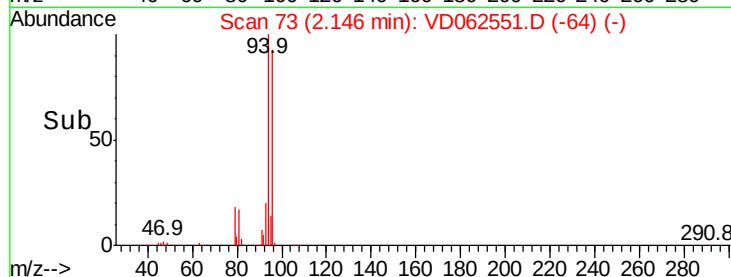
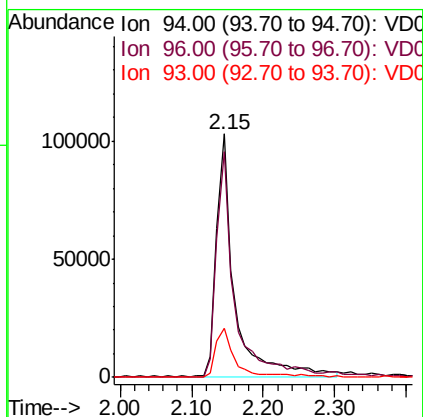
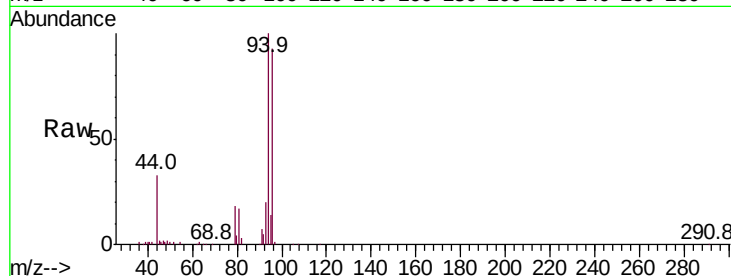
Tot Ion: 94 Resp: 187507

Ion Ratio Lower Upper

94 100

96 92.8 76.2 114.4

93 20.1 18.4 27.6



#6

Chloroethane

Concen: 69.399 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062551.D

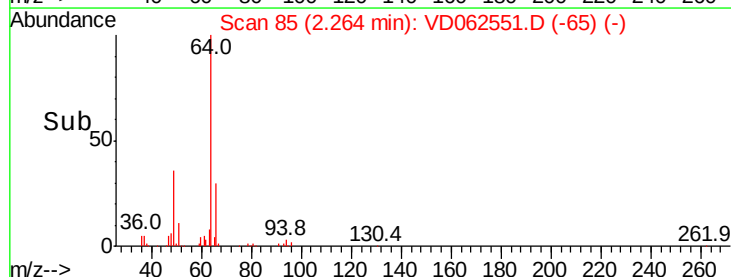
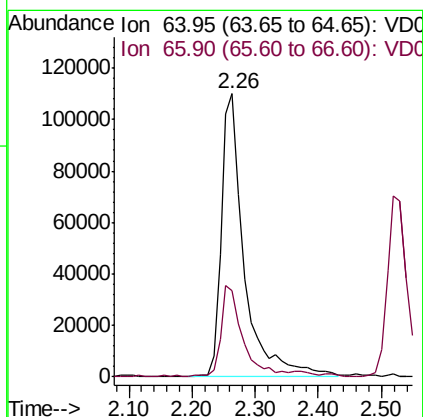
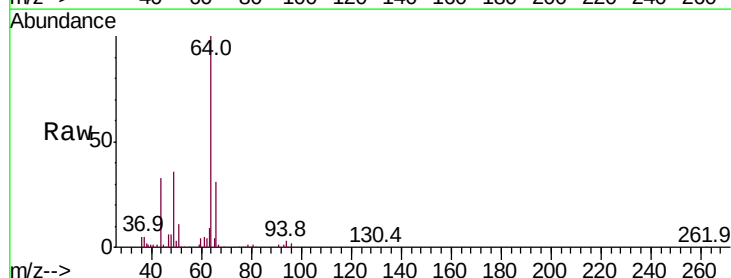
Acq: 30 May 2019 13:27

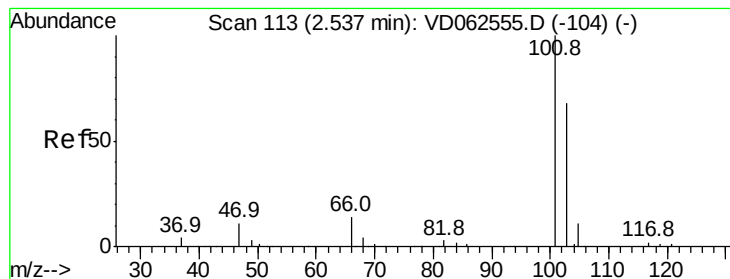
Tgt Ion: 64 Resp: 279121

Ion Ratio Lower Upper

64 100

66 30.7 23.4 35.2



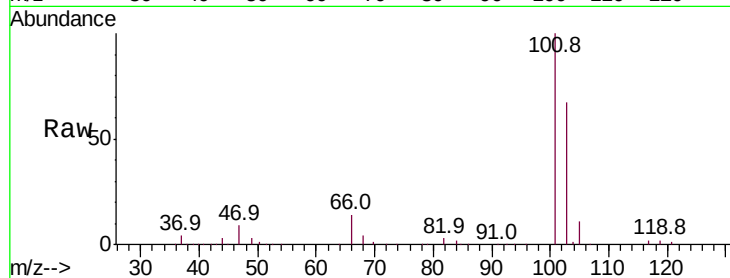


#7

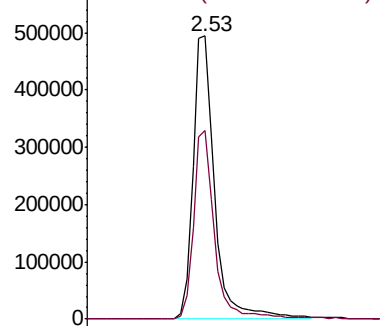
Trichlorofluoromethane
Concen: 67.413 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062551.D
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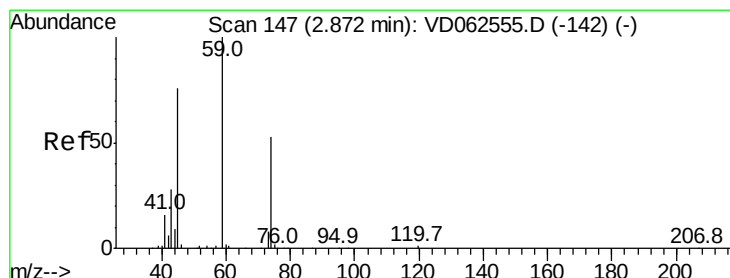
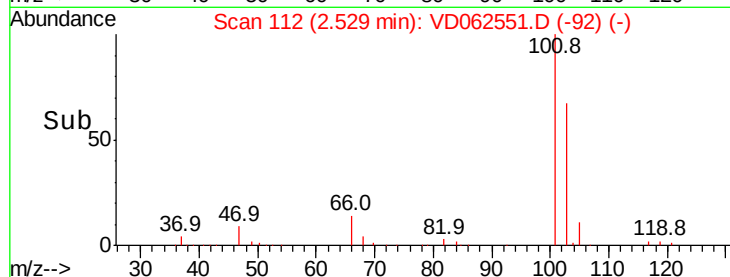
Tot Ion:101 Resp: 1187797
Ion Ratio Lower Upper
101 100
103 66.7 54.3 81.5



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



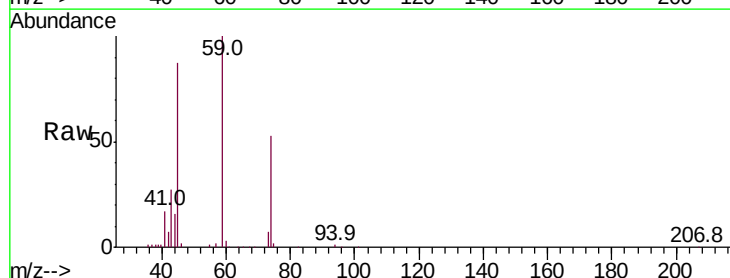
Time-->



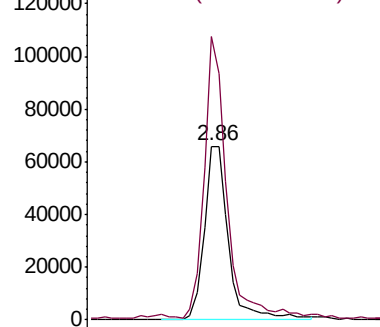
#8

Diethyl Ether
Concen: 68.043 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

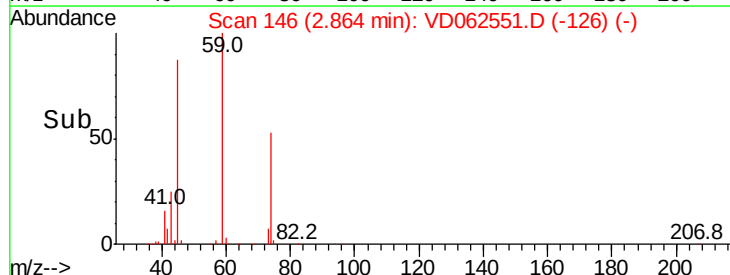
Tgt Ion: 74 Resp: 154044
Ion Ratio Lower Upper
74 100
45 162.8 71.9 215.7

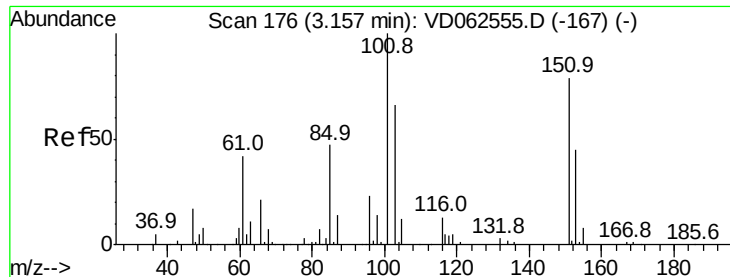


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.281 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

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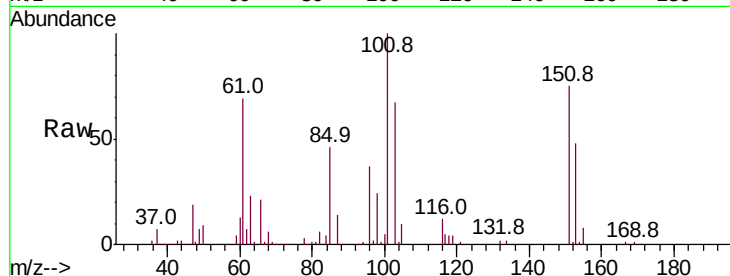
Tot Ion:101 Resp: 670003

Ion Ratio Lower Upper

101 100

85 45.8 37.6 56.4

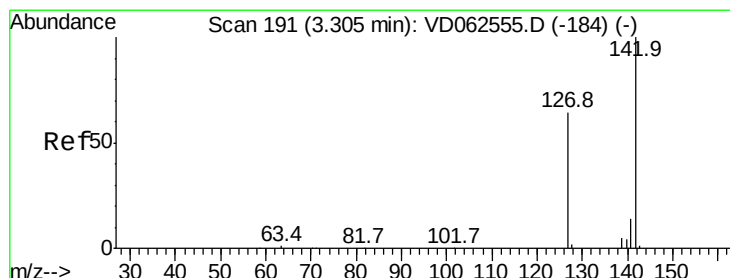
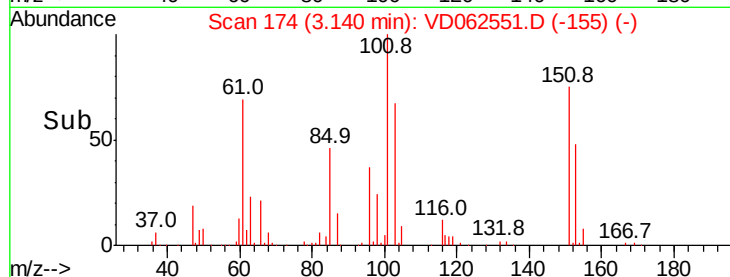
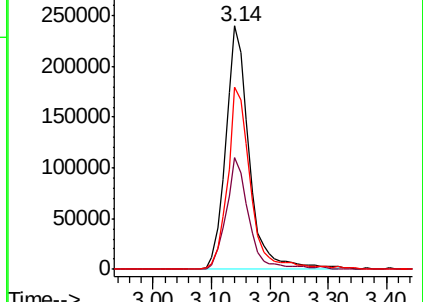
151 75.1 63.0 94.4



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: 76.571 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

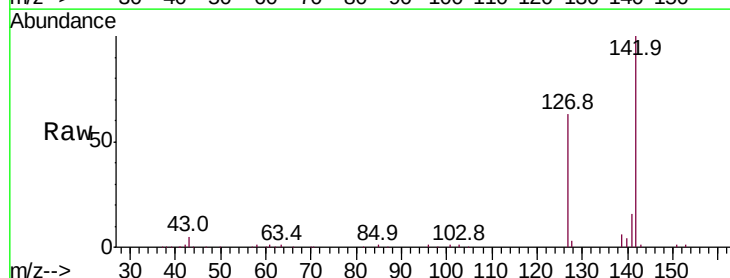
Tgt Ion:142 Resp: 871533

Ion Ratio Lower Upper

142 100

127 62.9 51.2 76.8

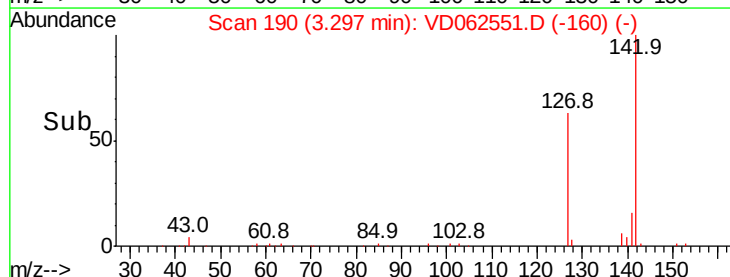
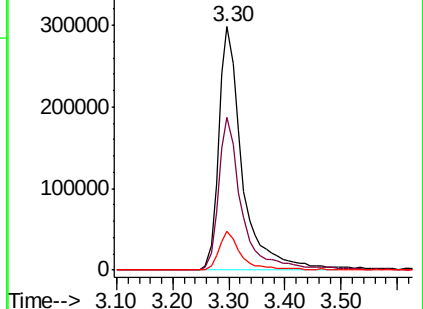
141 16.0 11.0 16.4

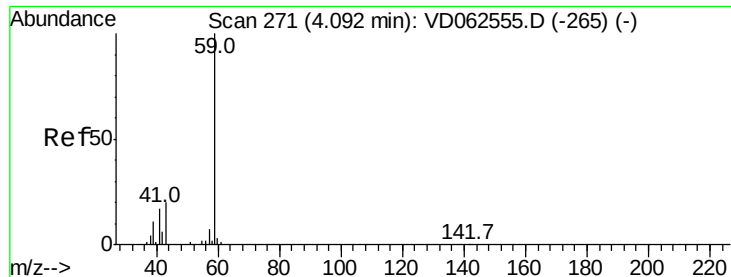


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



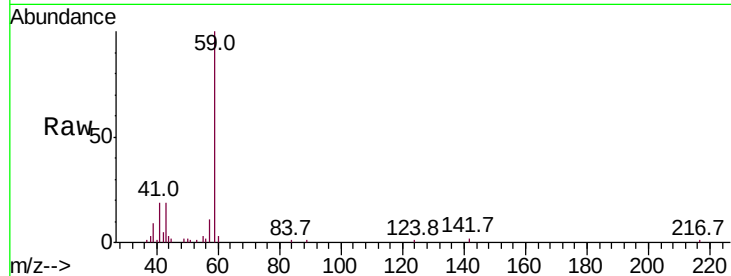


#11

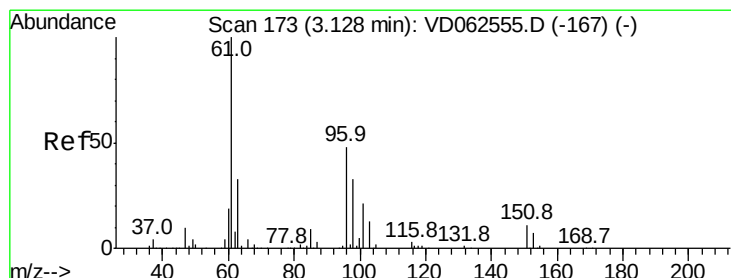
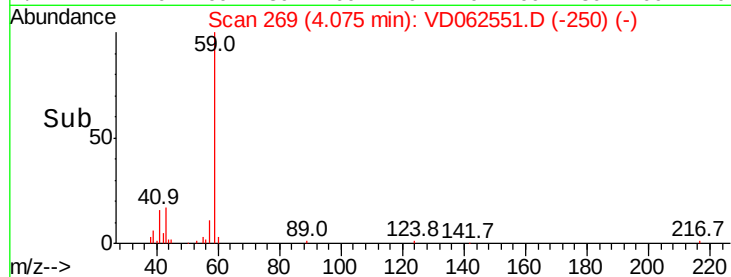
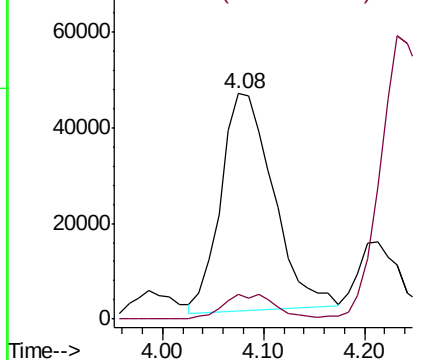
Tert butyl alcohol
Concen: 331.283 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 164628
Ion Ratio Lower Upper
59 100
57 11.0 5.4 8.0#



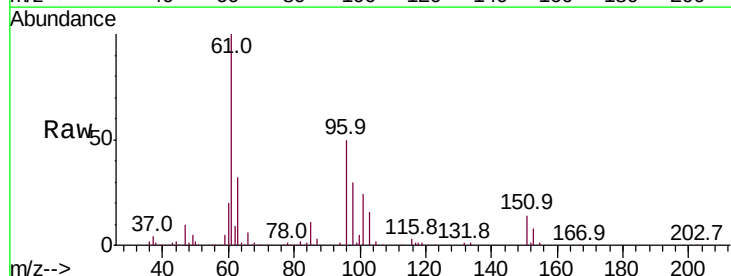
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



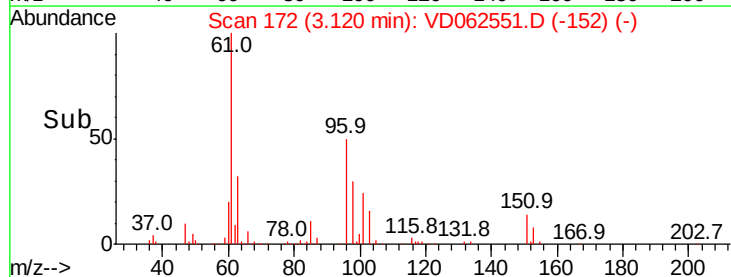
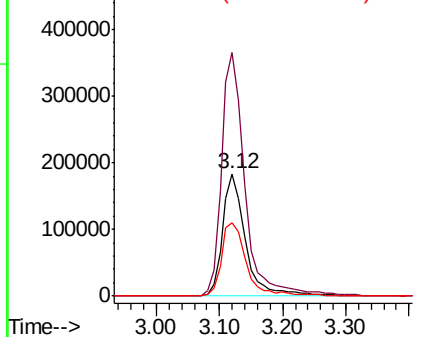
#12

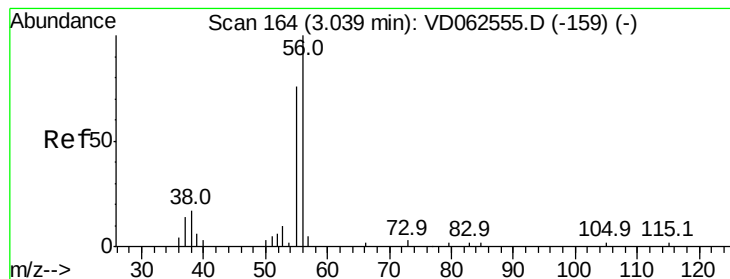
1,1-Dichloroethene
Concen: 62.675 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion: 96 Resp: 464292
Ion Ratio Lower Upper
96 100
61 199.0 166.6 250.0
98 60.1 54.4 81.6



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





#13

Acrolein

Concen: 289.667 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

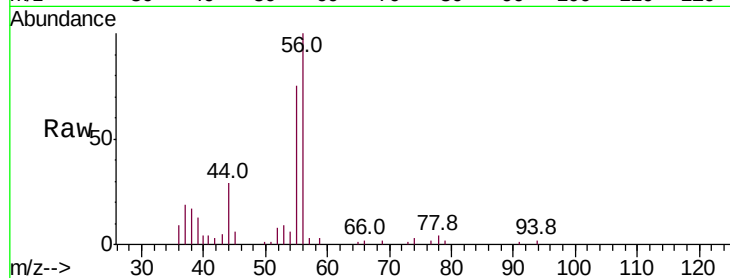
VSTDIC075

Tot Ion: 56 Resp: 62307

Ion Ratio Lower Upper

56 100

55 74.8 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

10000

5000

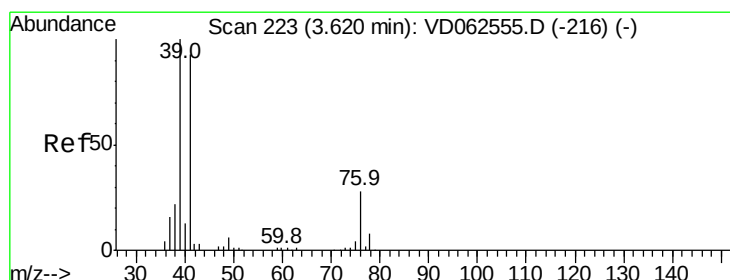
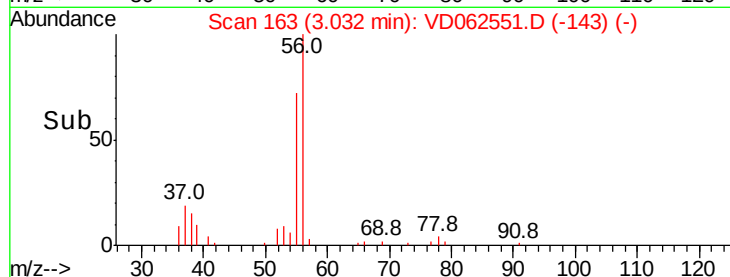
0

Time-->

2.90 3.00 3.10 3.20

3.03

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 68.025 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

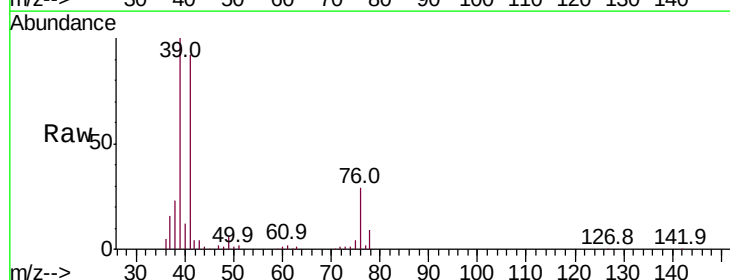
Tgt Ion: 41 Resp: 788933

Ion Ratio Lower Upper

41 100

39 108.2 86.3 129.5

76 31.9 25.5 38.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

300000

200000

100000

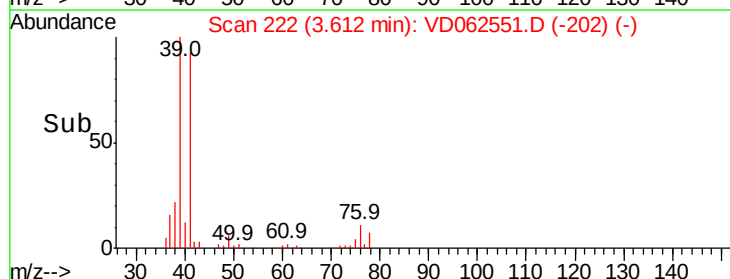
0

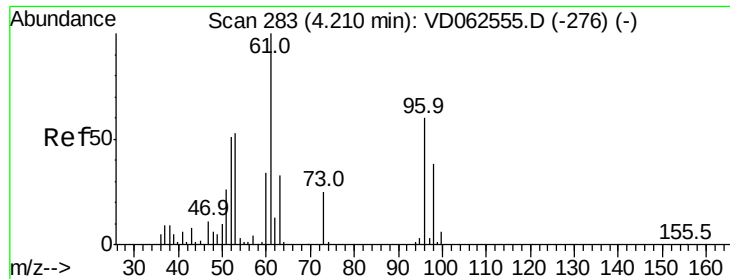
Time-->

3.50 3.60 3.70 3.80

3.61

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 355.518 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

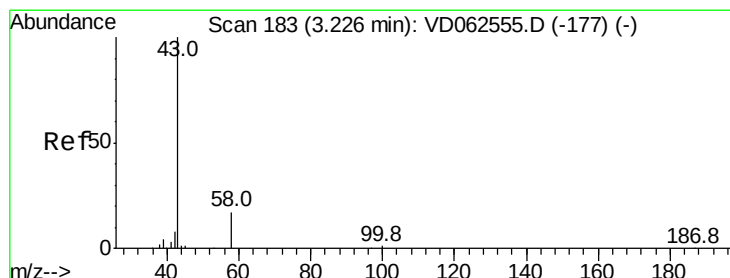
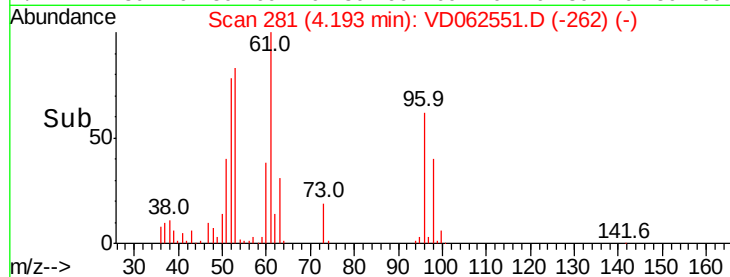
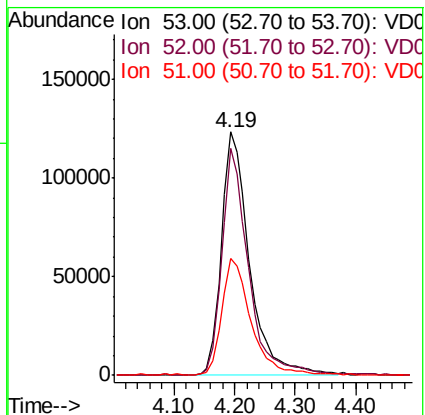
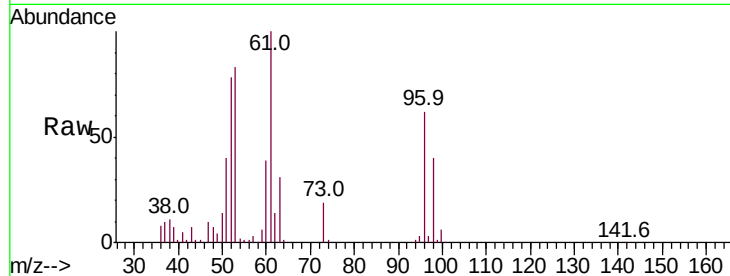
Tot Ion: 53 Resp: 397951

Ion Ratio Lower Upper

53 100

52 93.4 76.2 114.2

51 48.1 40.2 60.4



#16

Acetone

Concen: 319.550 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062551.D

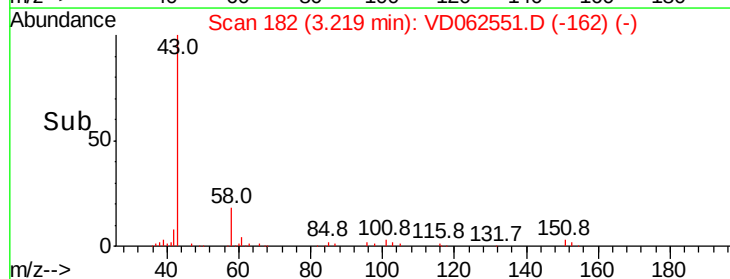
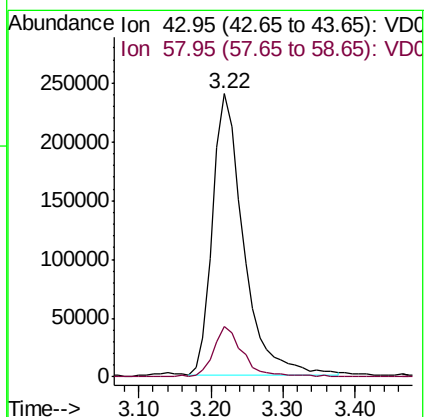
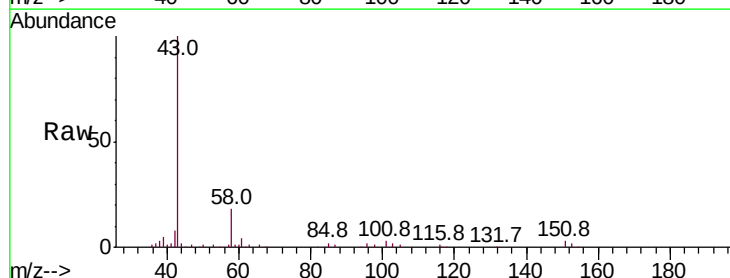
Acq: 30 May 2019 13:27

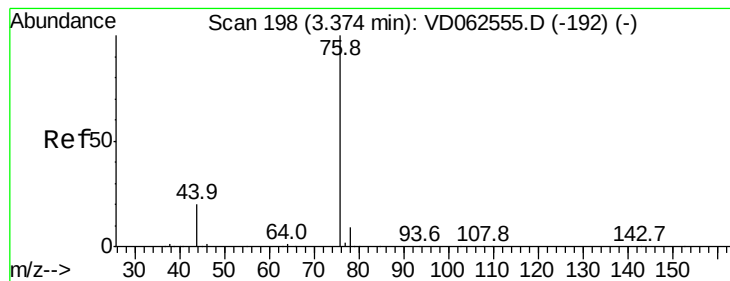
Tgt Ion: 43 Resp: 712414

Ion Ratio Lower Upper

43 100

58 17.7 13.8 20.8





#17

Carbon Disulfide

Concen: 68.517 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

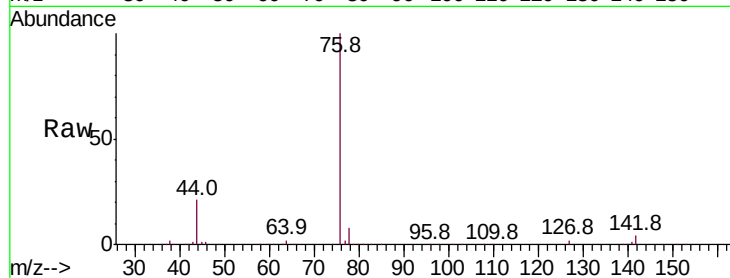
VSTDIC075

Tot Ion: 76 Resp: 1612900

Ion Ratio Lower Upper

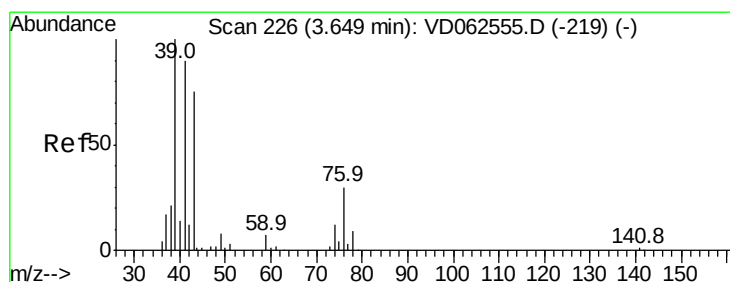
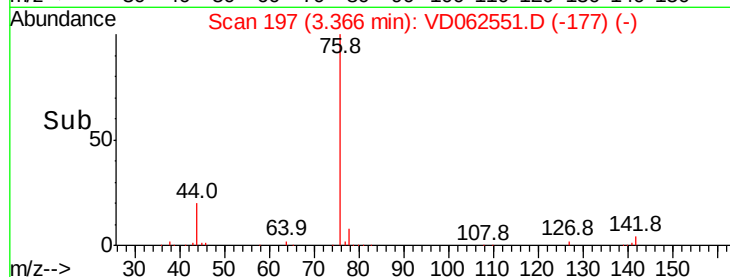
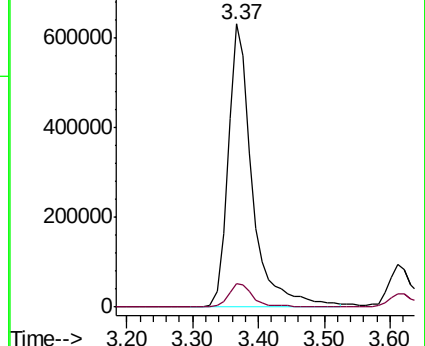
76 100

78 8.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 59.030 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD062551.D

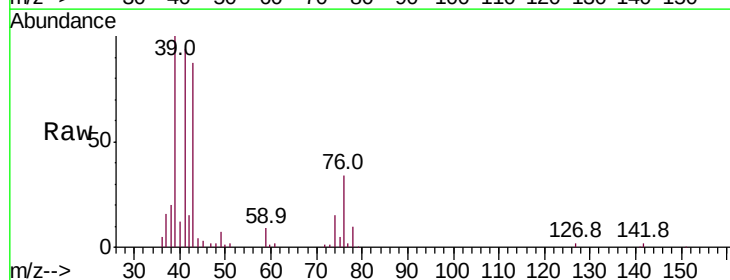
Acq: 30 May 2019 13:27

Tgt Ion: 43 Resp: 214077

Ion Ratio Lower Upper

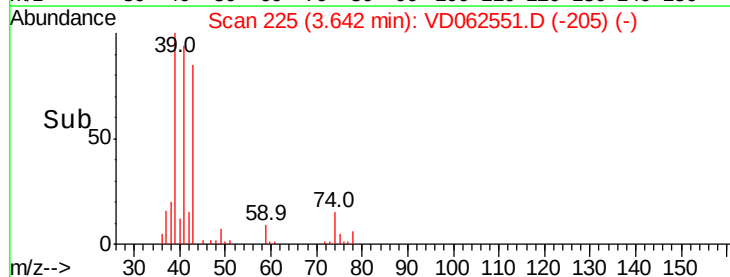
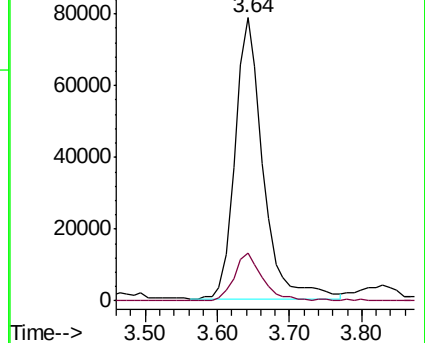
43 100

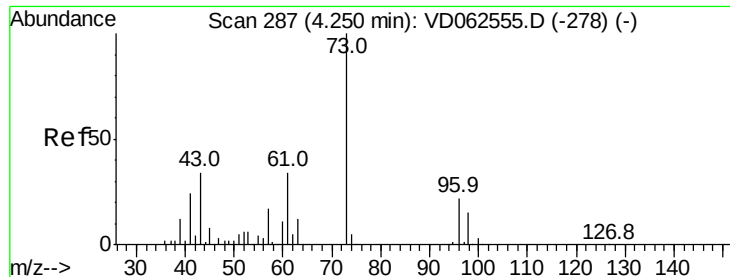
74 17.1 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



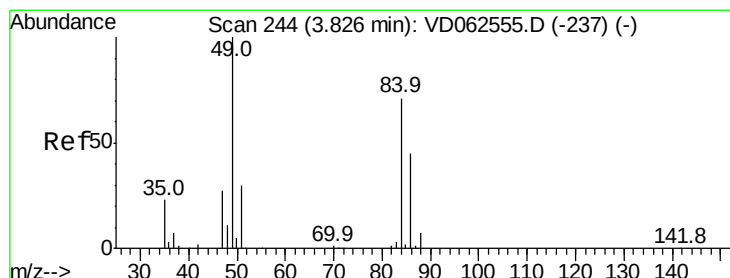
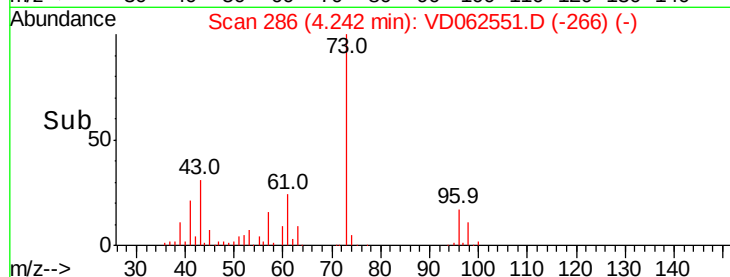
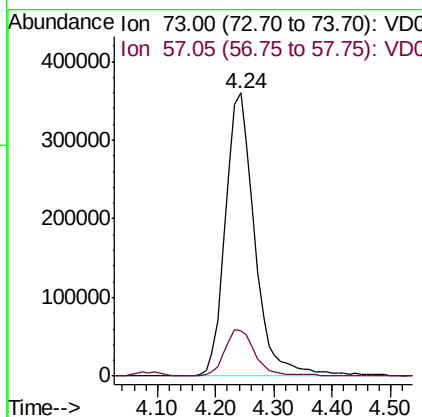
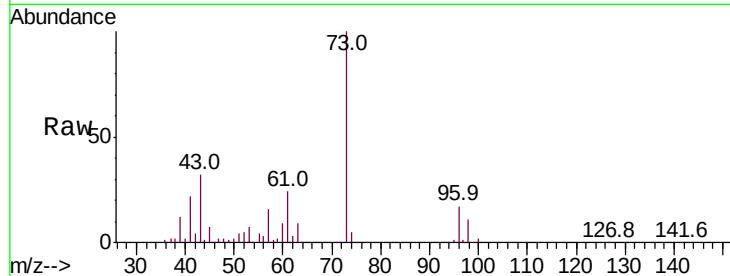


#19

Methyl tert-butyl Ether
 Concen: 69.521 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

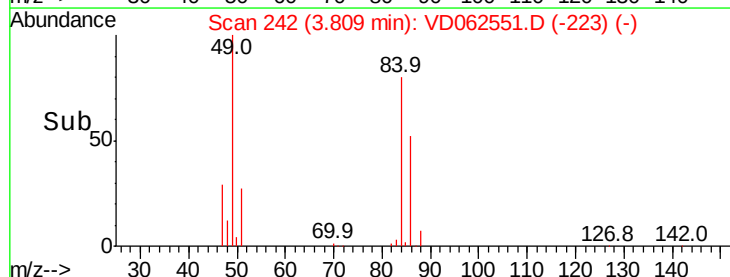
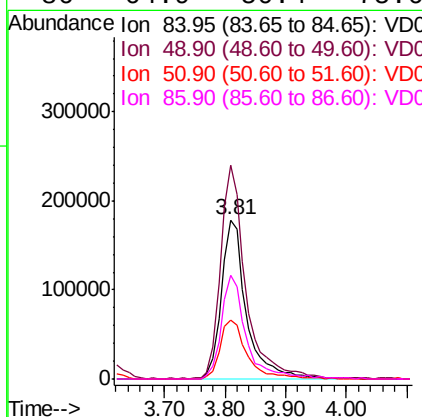
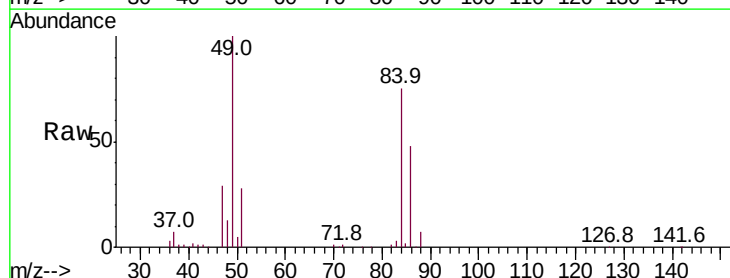
Tot Ion: 73 Resp: 1254442
 Ion Ratio Lower Upper
 73 100
 57 16.0 13.8 20.8

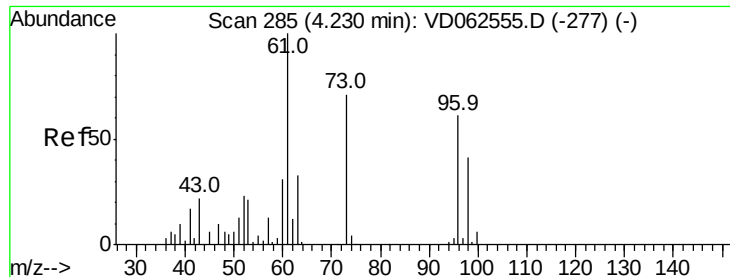


#20

Methylene Chloride
 Concen: 65.827 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.02 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion: 84 Resp: 514342
 Ion Ratio Lower Upper
 84 100
 49 134.0 112.3 168.5
 51 37.3 33.6 50.4
 86 64.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 68.255 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

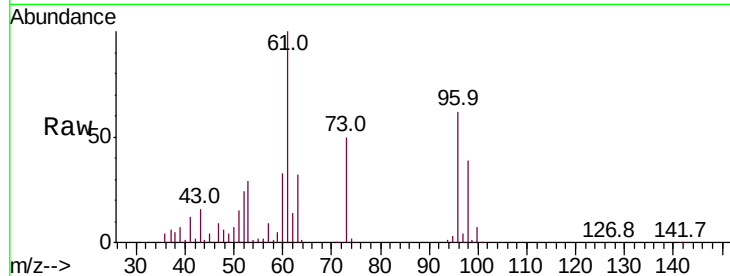
Tot Ion: 96 Resp: 573248

Ion Ratio Lower Upper

96 100

61 162.4 131.1 196.7

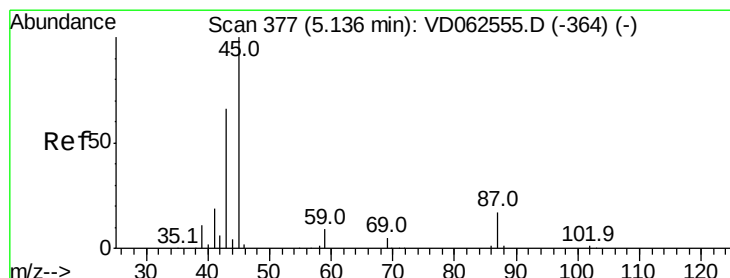
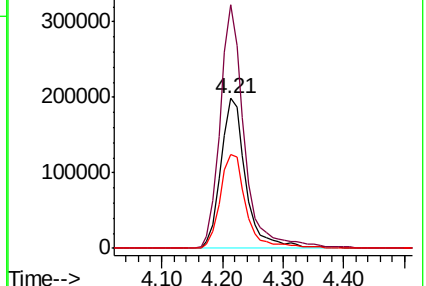
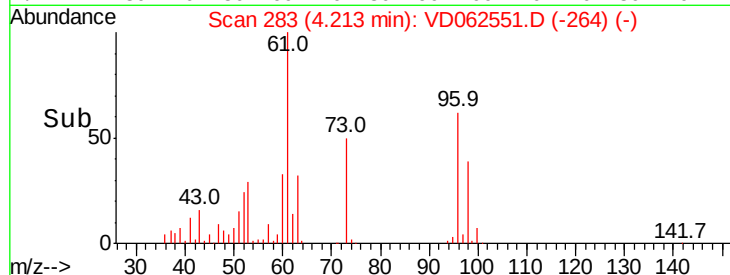
98 62.8 54.2 81.4



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: 70.140 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Tgt Ion: 45 Resp: 1637558

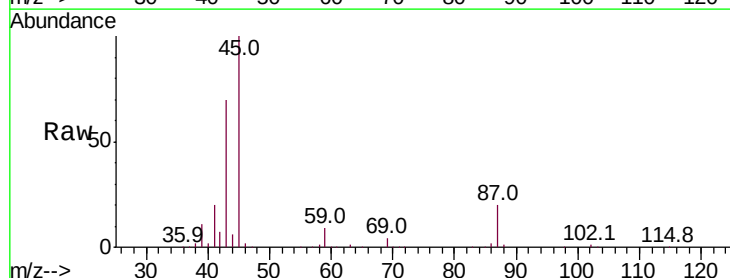
Ion Ratio Lower Upper

45 100

43 70.4 53.6 80.4

87 19.9 14.2 21.4

59 8.8 7.3 10.9

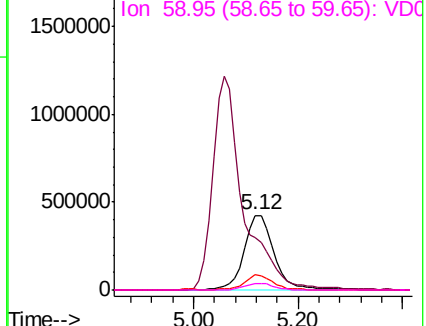
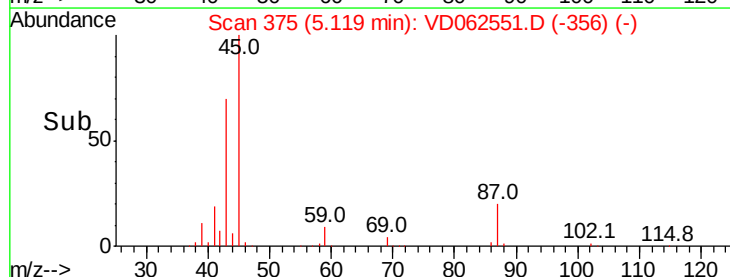


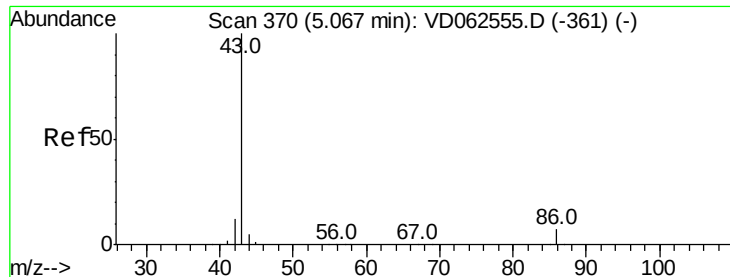
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 343.797 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

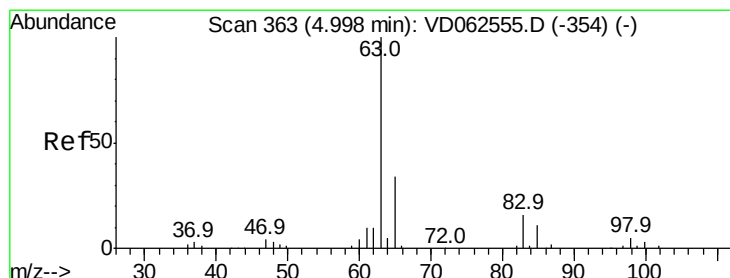
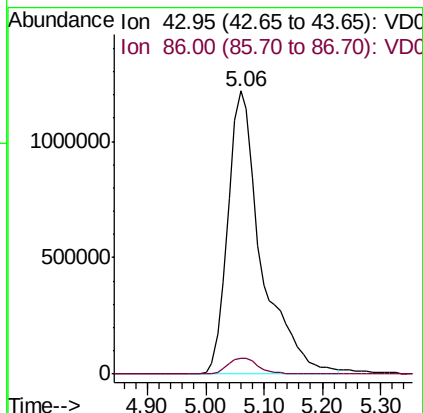
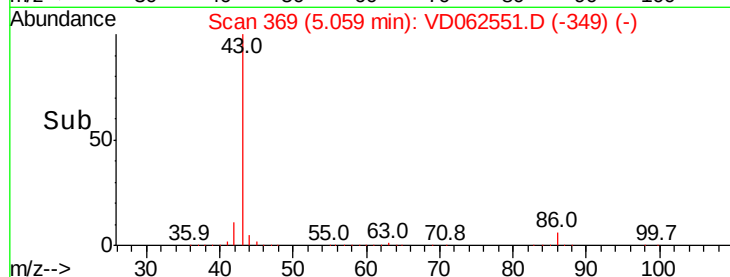
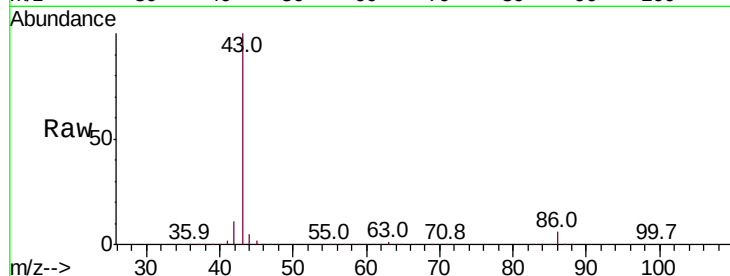
VSTDIC075

Tot Ion: 43 Resp: 4884896

Ion Ratio Lower Upper

43 100

86 5.6 5.5 8.3



#24

1,1-Dichloroethane

Concen: 66.775 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

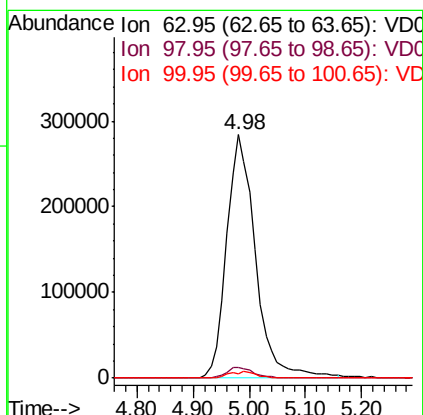
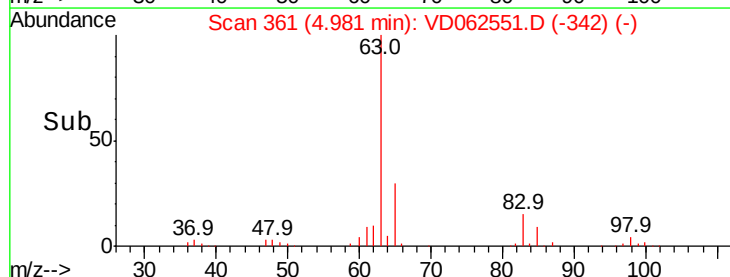
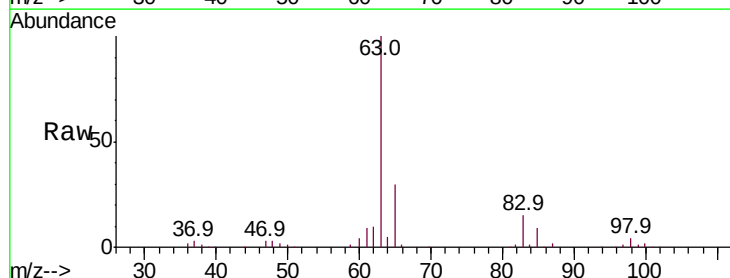
Tgt Ion: 63 Resp: 1018469

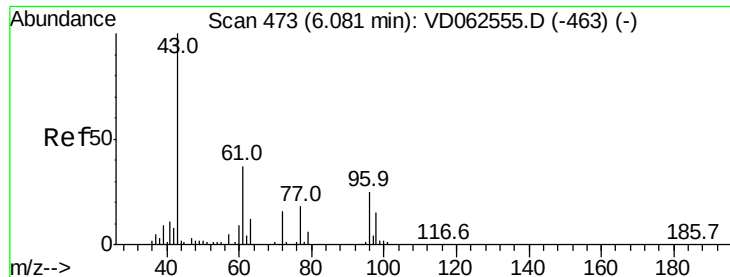
Ion Ratio Lower Upper

63 100

98 4.2 2.5 7.5

100 1.9 1.6 4.7





#25

2-Butanone

Concen: 336.370 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

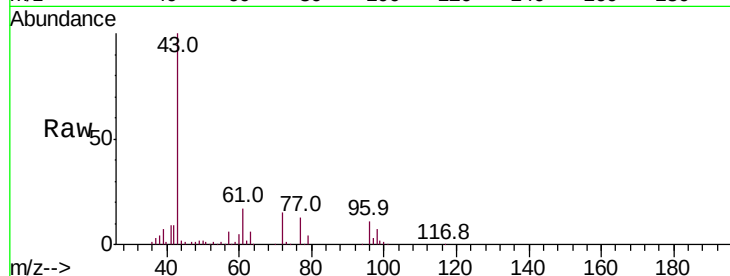
VSTDIC075

Tot Ion: 43 Resp: 689167

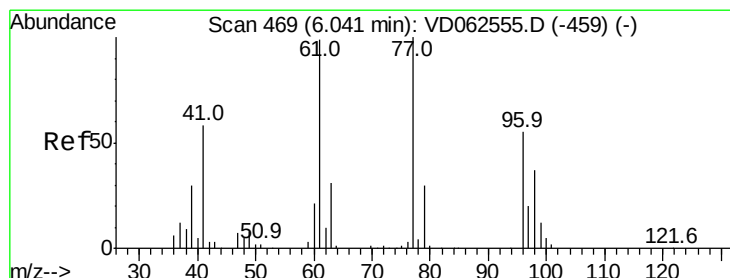
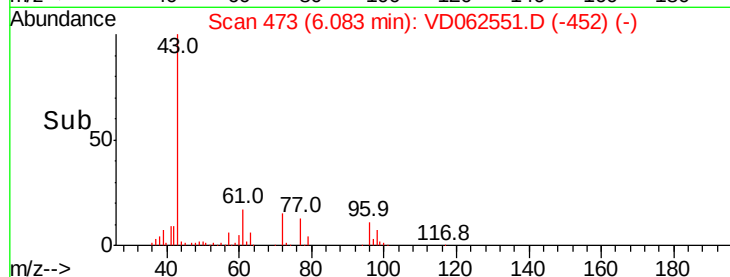
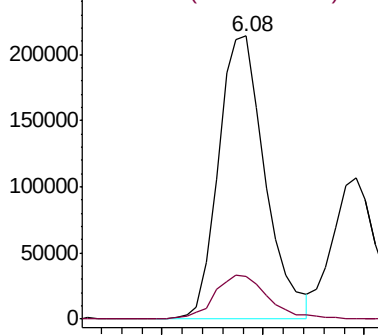
Ion Ratio Lower Upper

43 100

72 15.0 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: 67.033 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062551.D

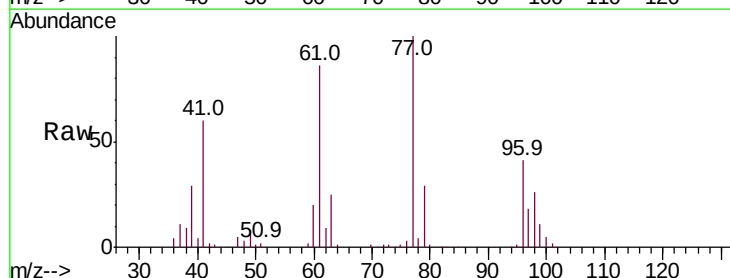
Acq: 30 May 2019 13:27

Tgt Ion: 77 Resp: 1110091

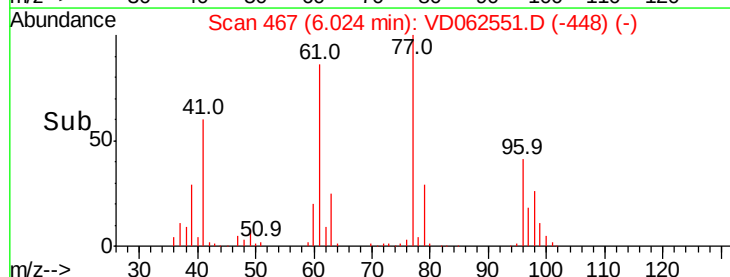
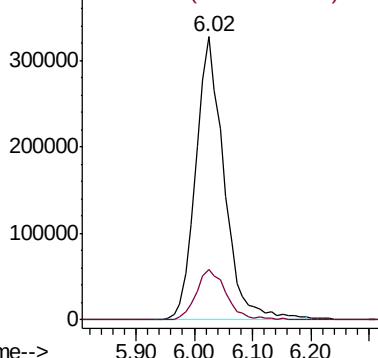
Ion Ratio Lower Upper

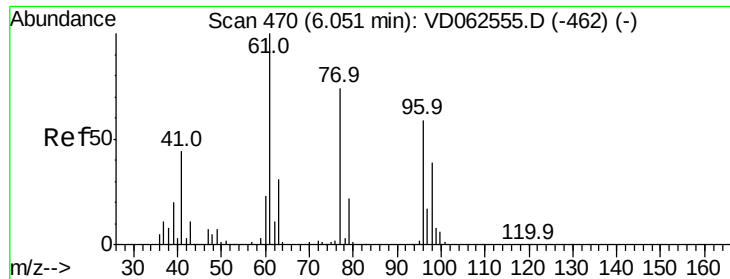
77 100

97 17.6 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: 66.968 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.01 min

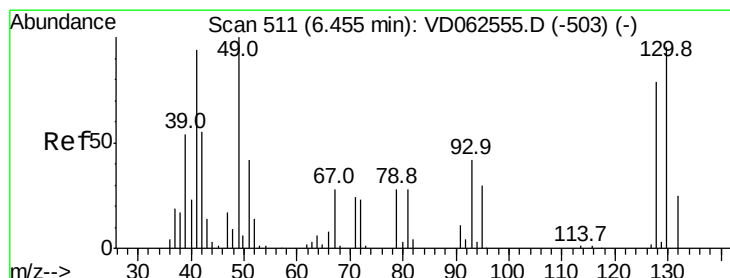
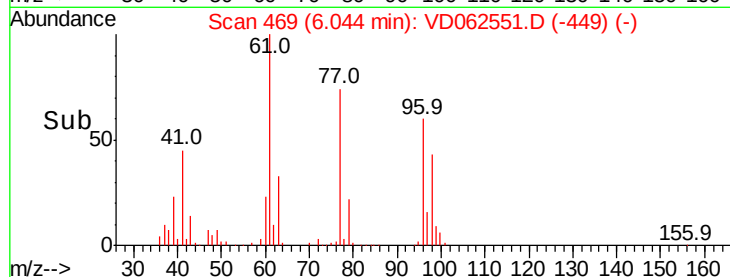
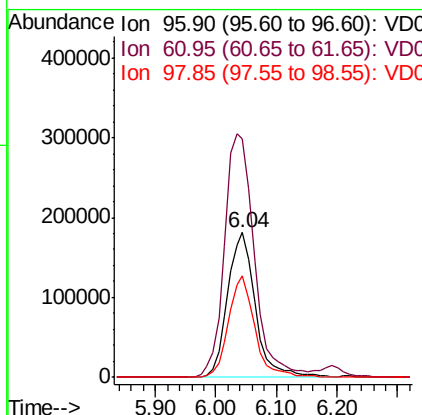
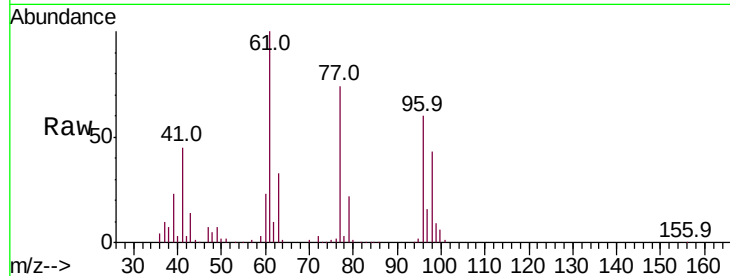
Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 96 Resp: 579353

Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	342.4
98	70.7	0.0	134.6



#28

Bromochloromethane

Concen: 68.320 ug/l

RT: 6.44 min Scan# 509

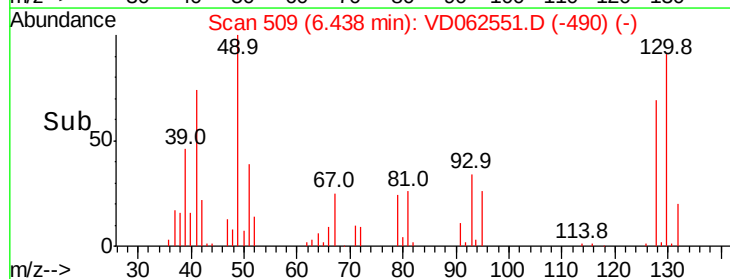
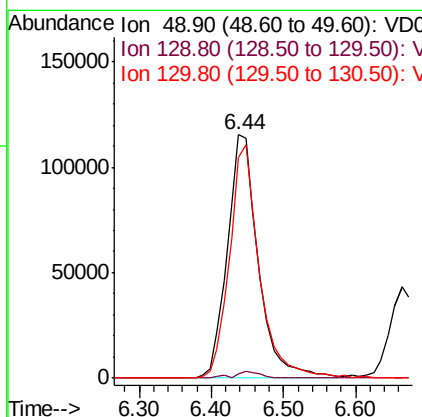
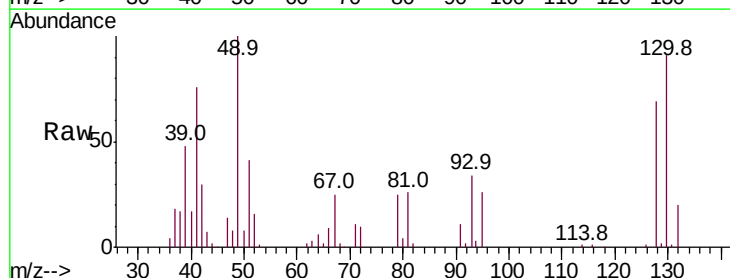
Delta R.T. -0.02 min

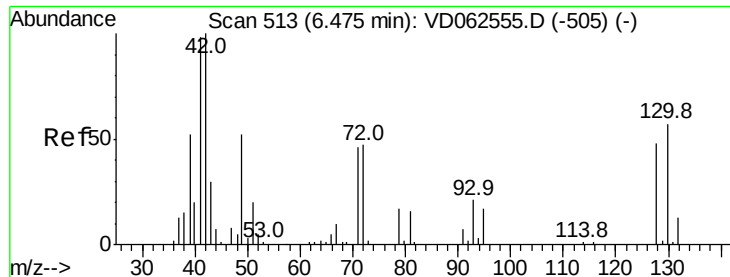
Lab File: VD062551.D

Acq: 30 May 2019 13:27

Tgt Ion: 49 Resp: 345606

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.6
130	90.7	75.8	113.8





#29

Tetrahydrofuran

Concen: 323.855 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

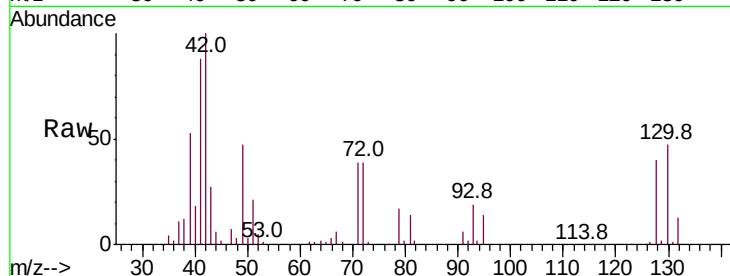
Tot Ion: 42 Resp: 305056

Ion Ratio Lower Upper

42 100

72 42.5 34.5 51.7

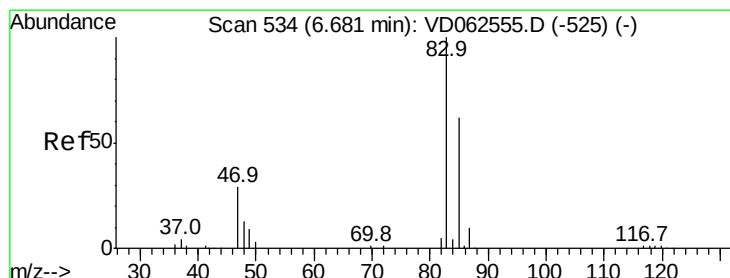
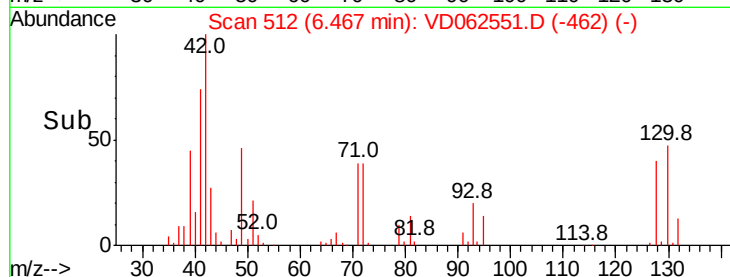
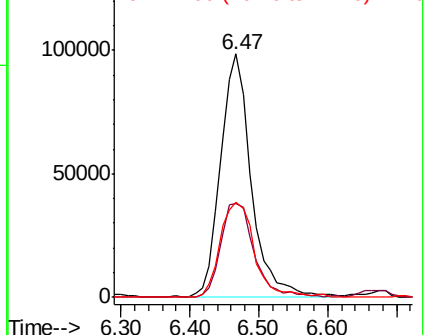
71 43.9 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 67.300 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD062551.D

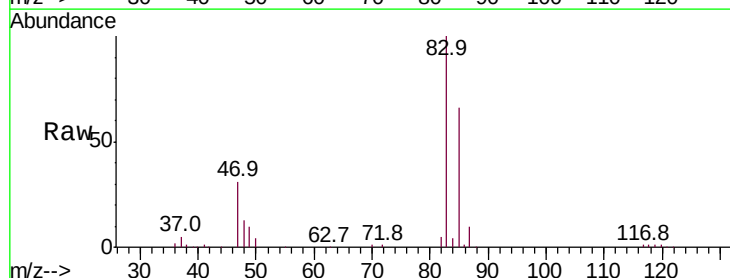
Acq: 30 May 2019 13:27

Tgt Ion: 83 Resp: 1235161

Ion Ratio Lower Upper

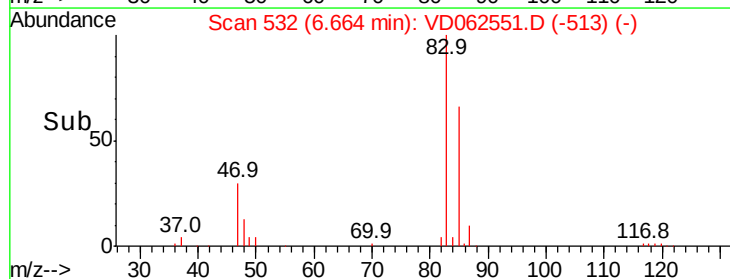
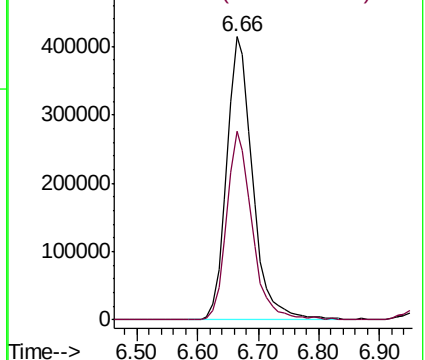
83 100

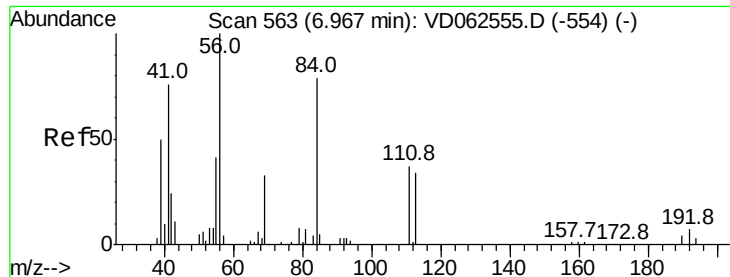
85 66.5 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

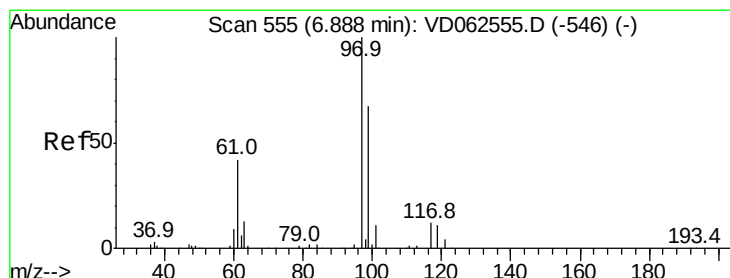
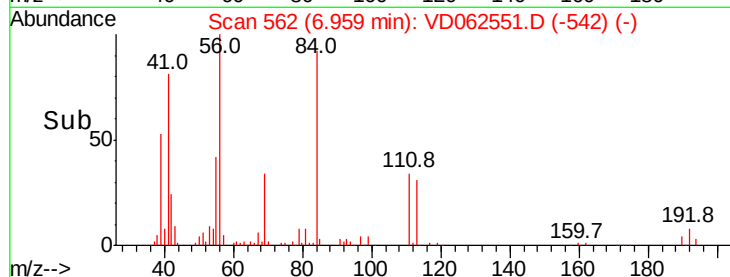
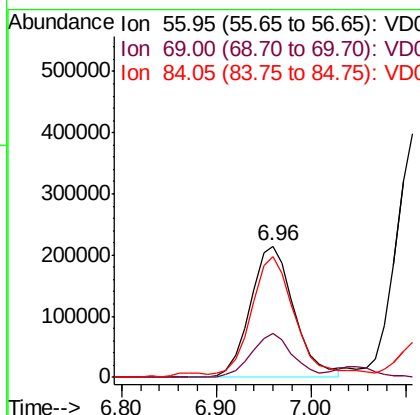
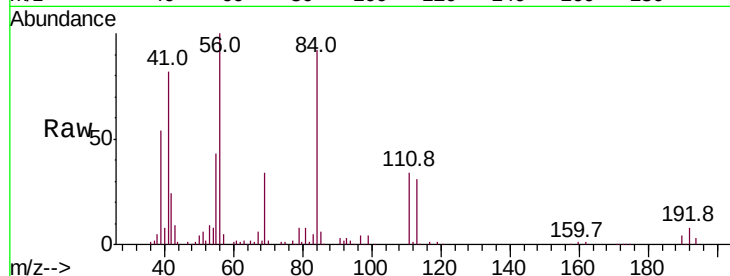




#31
Cyclohexane
Concen: 68.122 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

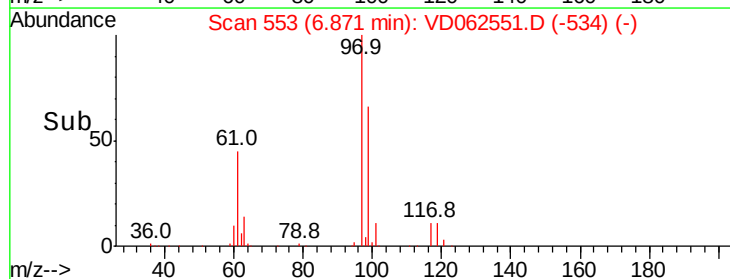
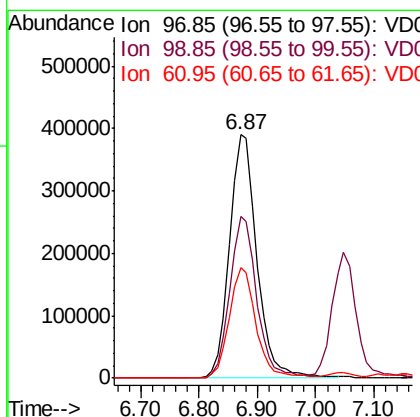
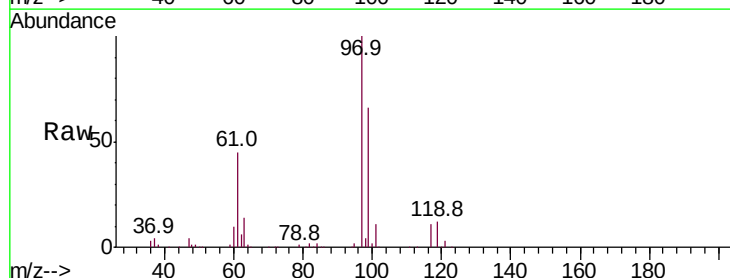
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

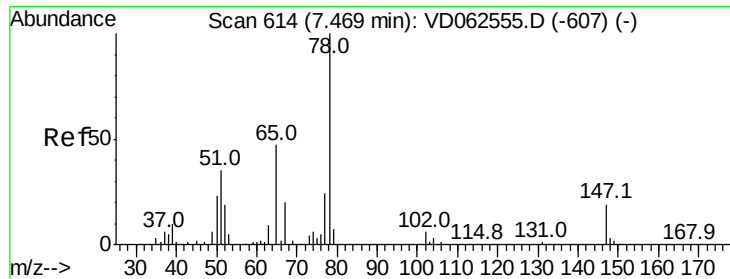
Tot Ion: 56 Resp: 688345
Ion Ratio Lower Upper
56 100
69 33.7 26.2 39.2
84 91.9 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 68.086 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion: 97 Resp: 1276039
Ion Ratio Lower Upper
97 100
99 66.5 53.6 80.4
61 45.3 33.9 50.9

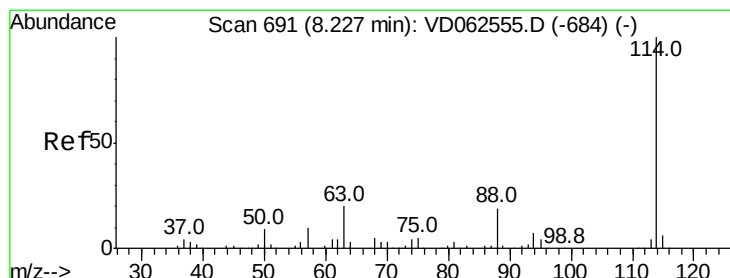
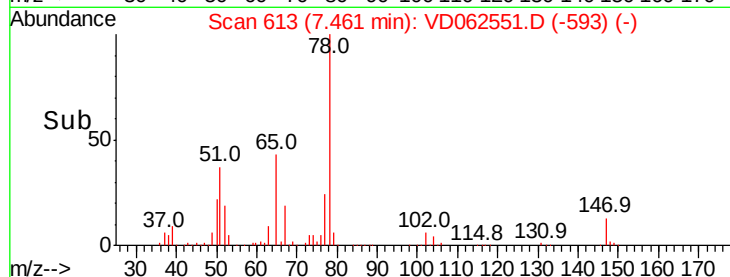
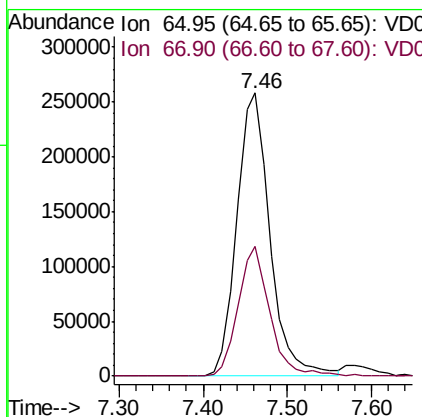
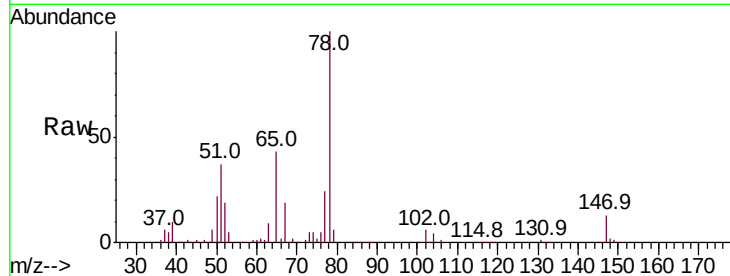




#33
 1,2-Dichloroethane-d4
 Concen: 65.553 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

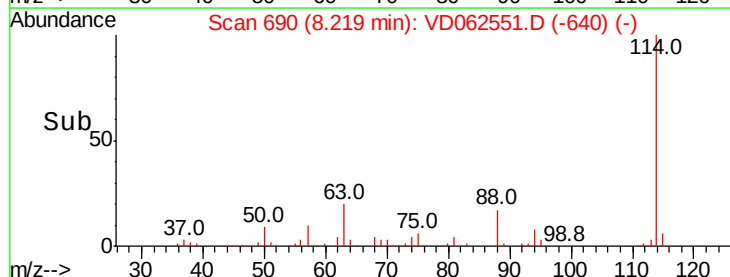
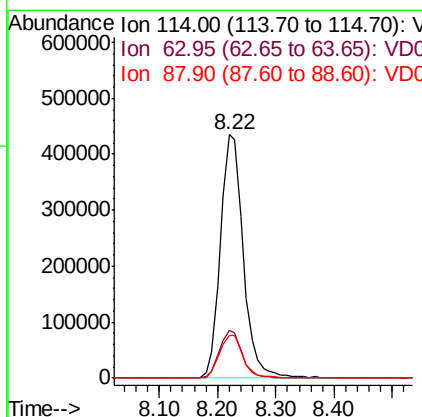
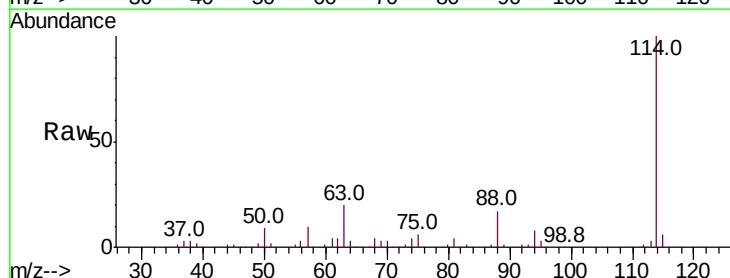
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

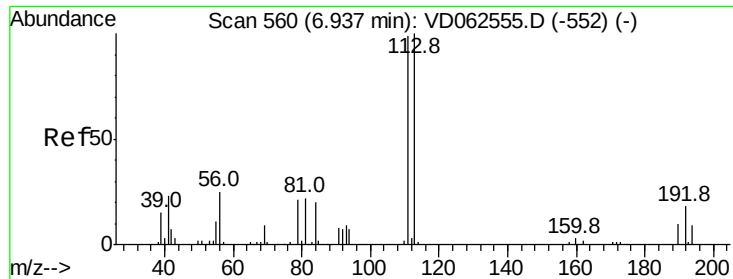
Tot Ion: 65 Resp: 708604
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion: 114 Resp: 1185381
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.6
 88 17.3 0.0 37.6

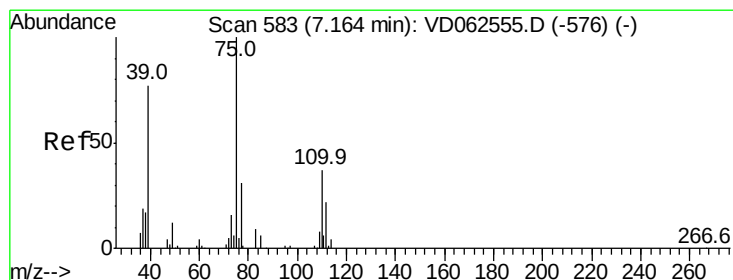
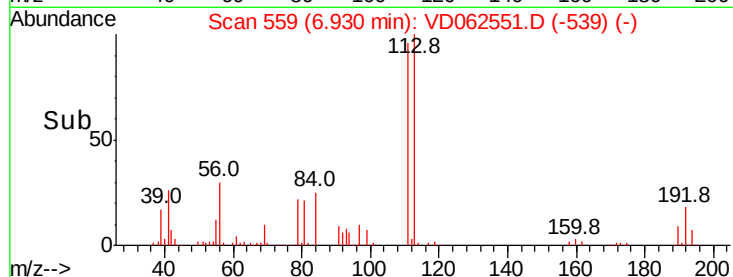
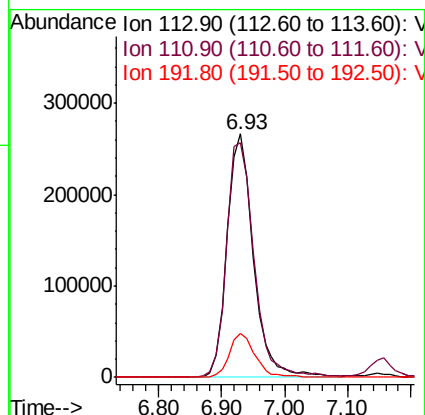
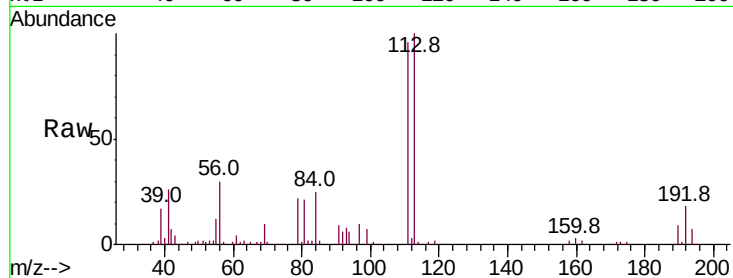




#35
 Dibromofluoromethane
 Concen: 70.572 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

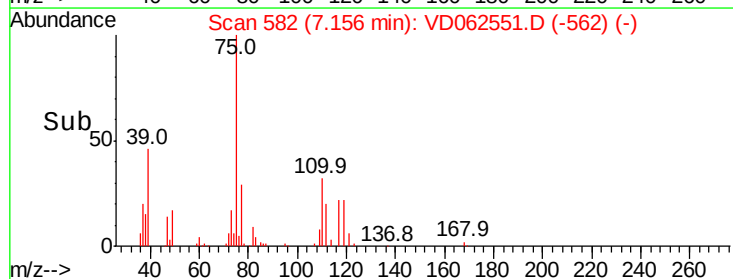
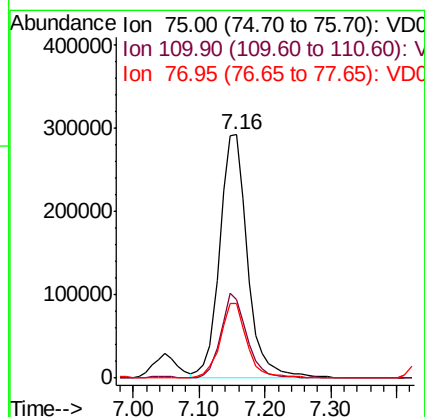
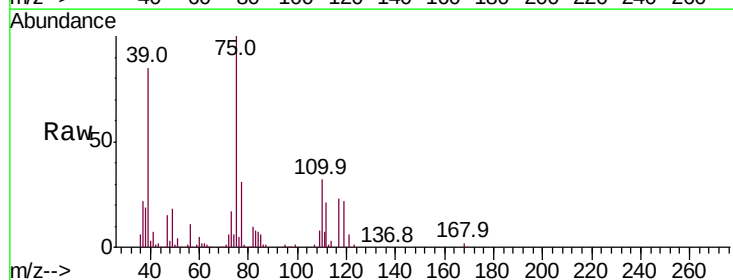
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

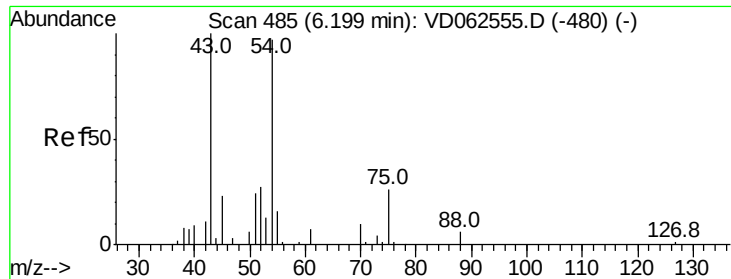
Tot Ion:113 Resp: 773065
 Ion Ratio Lower Upper
 113 100
 111 96.3 78.8 118.2
 192 18.0 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 71.055 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion: 75 Resp: 854213
 Ion Ratio Lower Upper
 75 100
 110 32.1 18.3 54.8
 77 30.6 24.4 36.6

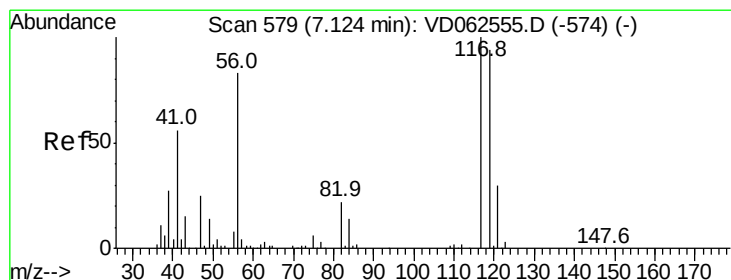
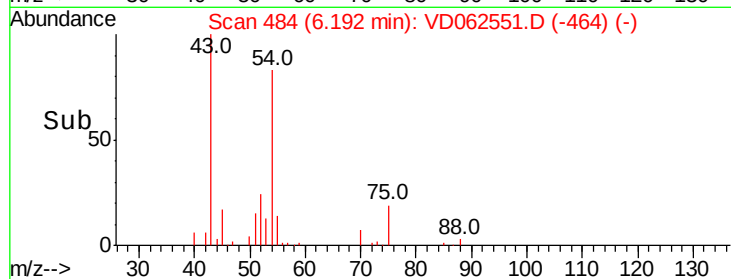
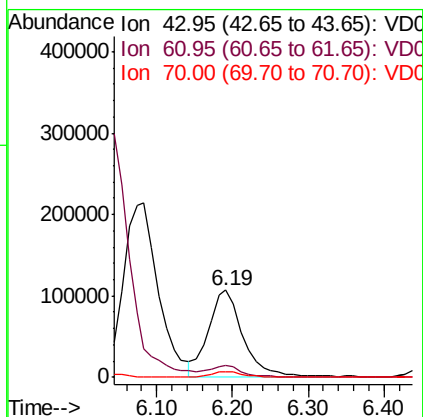
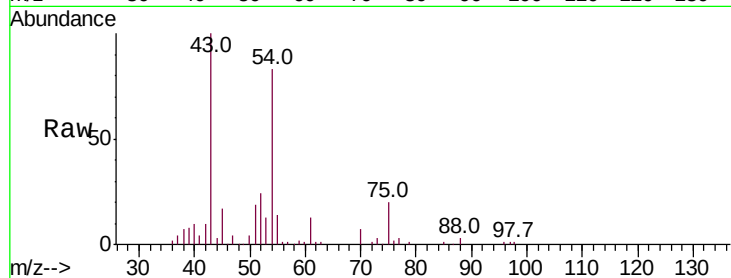




#37
Ethyl Acetate
Concen: 61.686 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

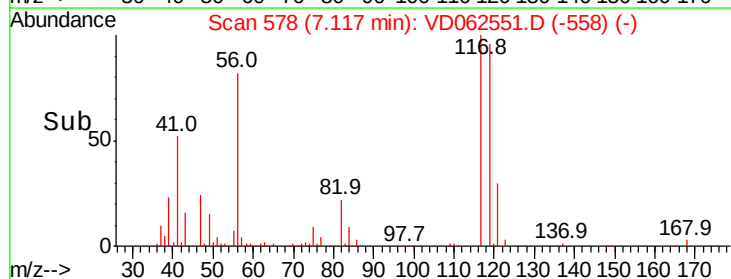
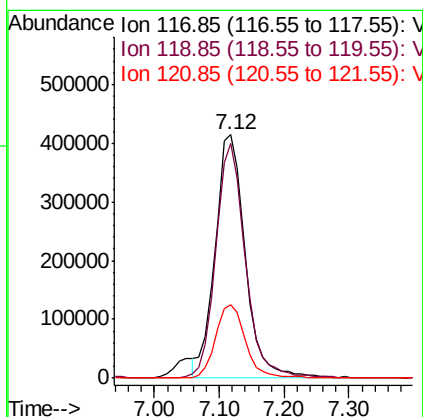
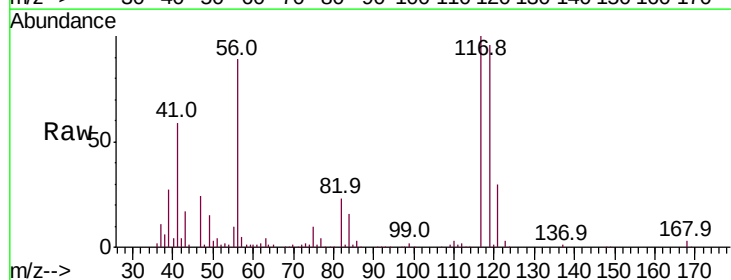
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

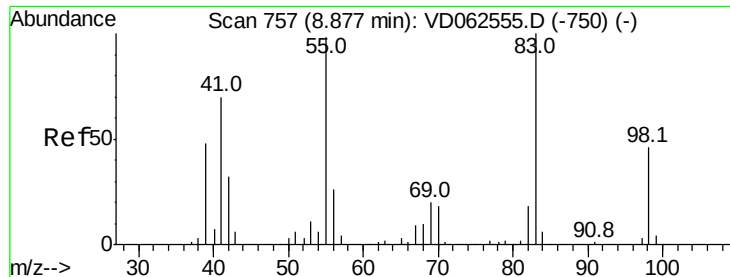
Tot Ion: 43 Resp: 331148
Ion Ratio Lower Upper
43 100
61 13.2 9.8 14.8
70 7.1 6.5 9.7



#38
Carbon Tetrachloride
Concen: 73.840 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion: 117 Resp: 1340785
Ion Ratio Lower Upper
117 100
119 96.5 71.4 107.2
121 30.3 22.5 33.7

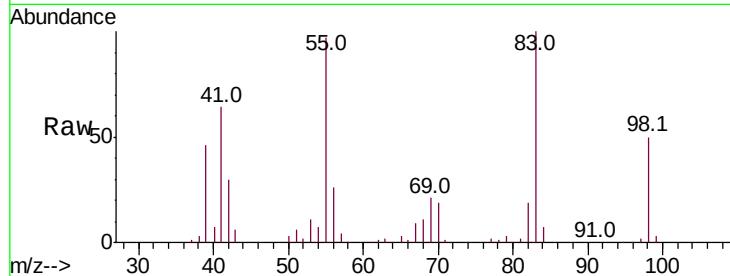




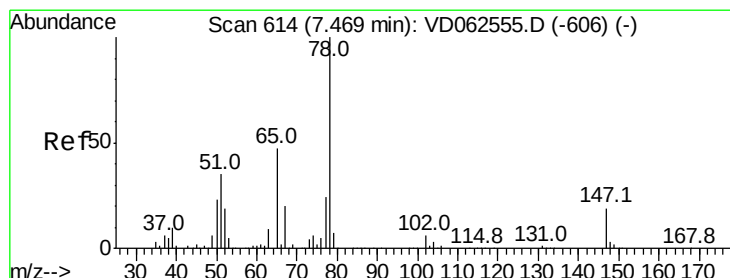
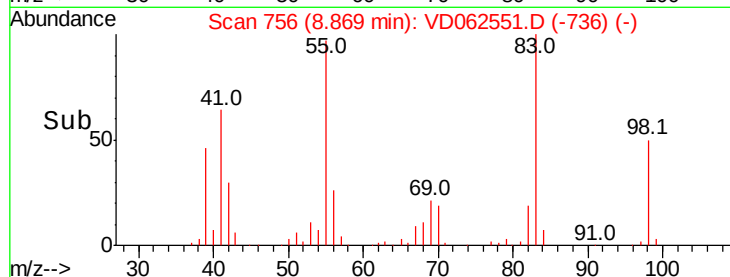
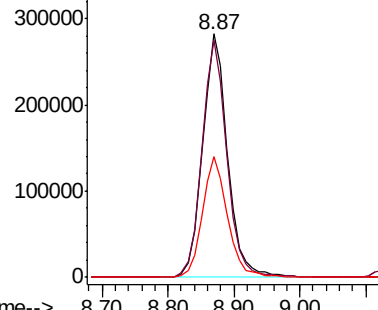
#39
Methylvlcyclohexane
Concen: 74.626 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 751579
Ion Ratio Lower Upper
83 100
55 97.4 78.7 118.1
98 49.6 37.2 55.8

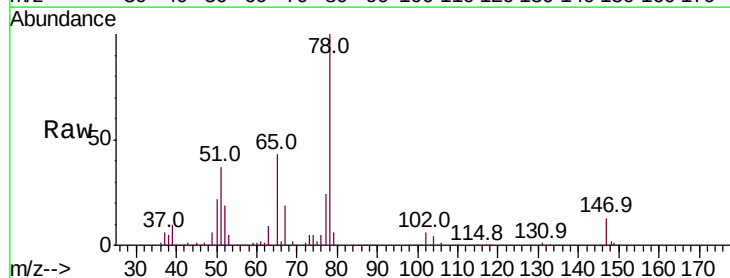


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

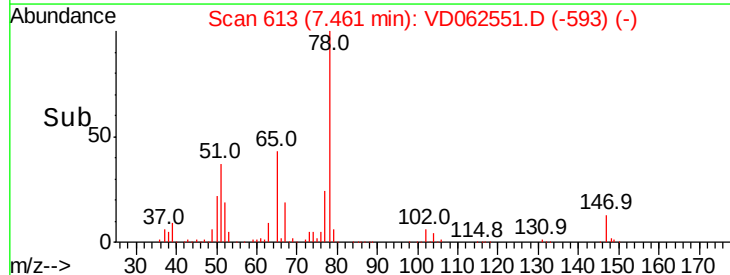
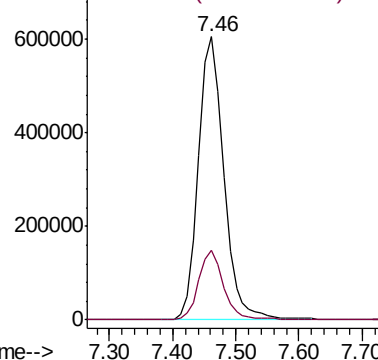


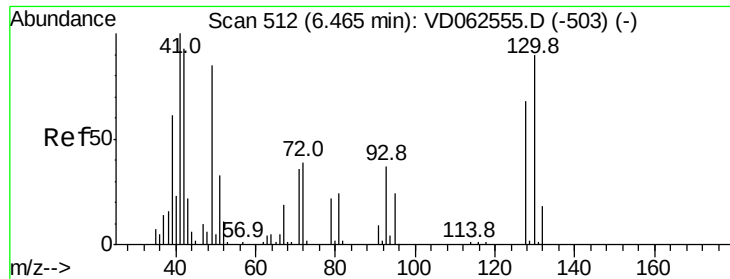
#40
Benzene
Concen: 71.873 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion: 78 Resp: 1697302
Ion Ratio Lower Upper
78 100
77 24.5 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: 69.586 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 418731

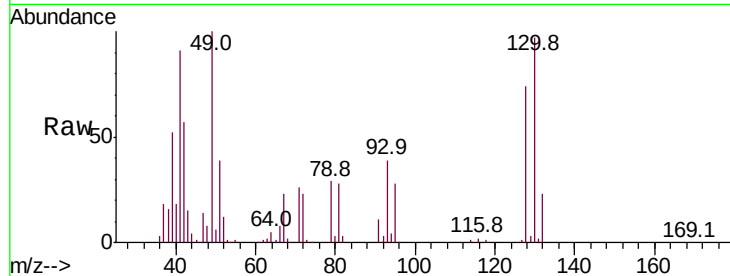
Ion Ratio Lower Upper

41 100

39 57.0 49.0 73.6

67 24.8 15.5 23.3#

52 12.7 8.9 13.3

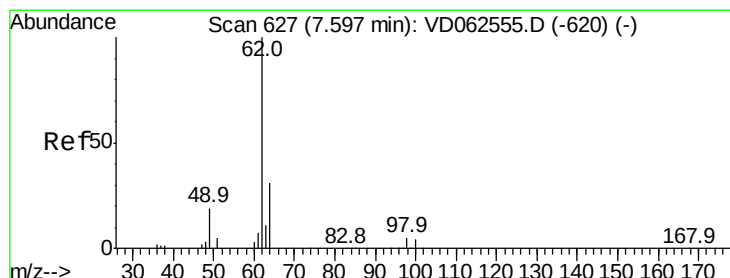
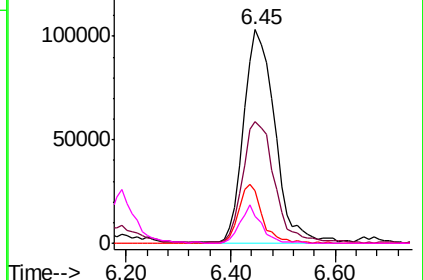
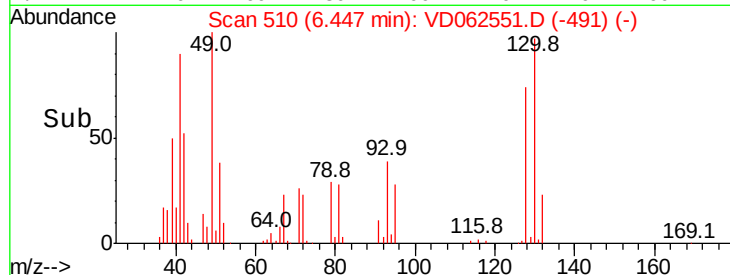


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 70.757 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD062551.D

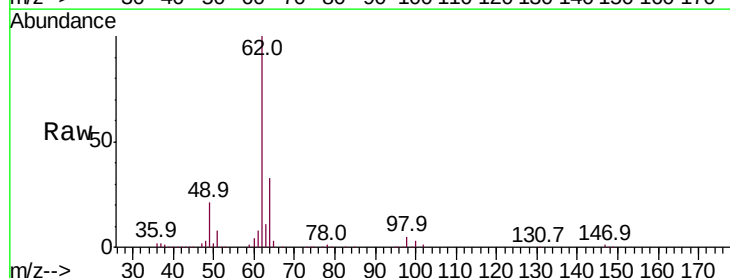
Acq: 30 May 2019 13:27

Tgt Ion: 62 Resp: 932873

Ion Ratio Lower Upper

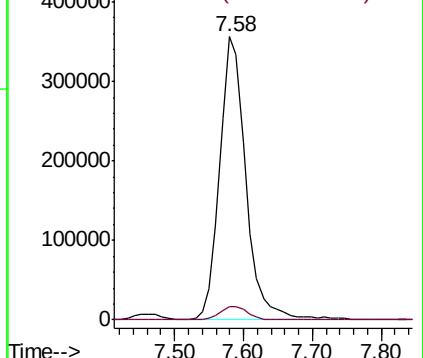
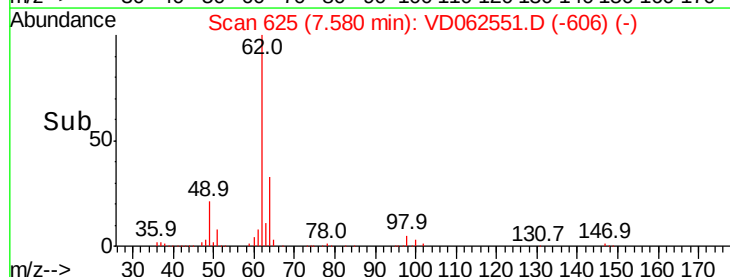
62 100

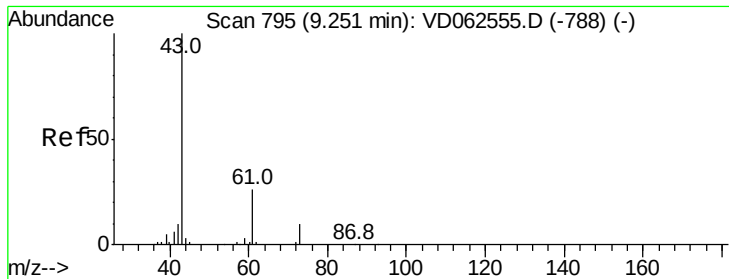
98 4.8 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 73.834 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

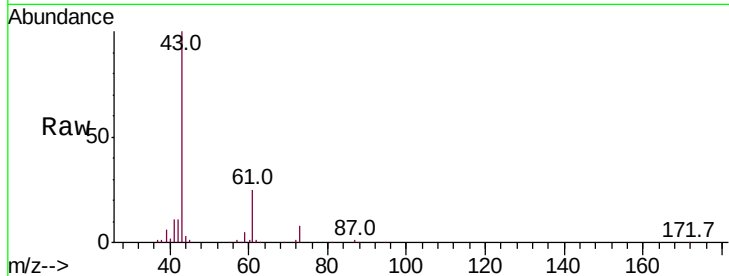
Tot Ion: 43 Resp: 469962

Ion Ratio Lower Upper

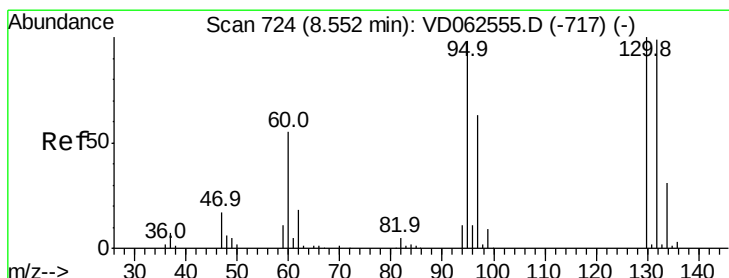
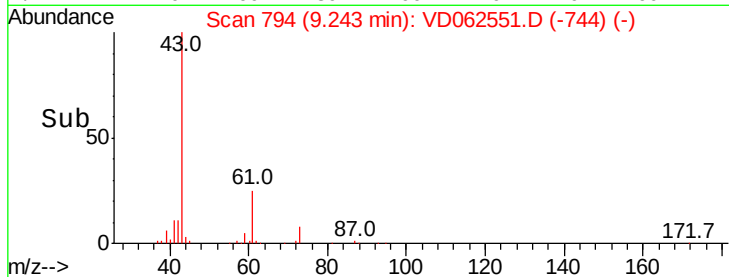
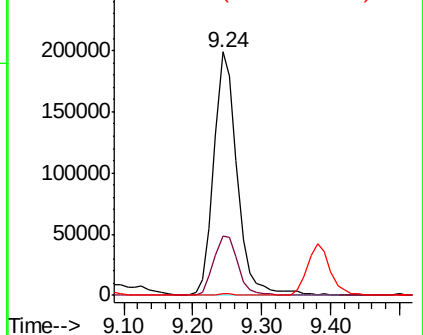
43 100

61 24.6 20.5 30.7

87 0.7 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: 71.180 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062551.D

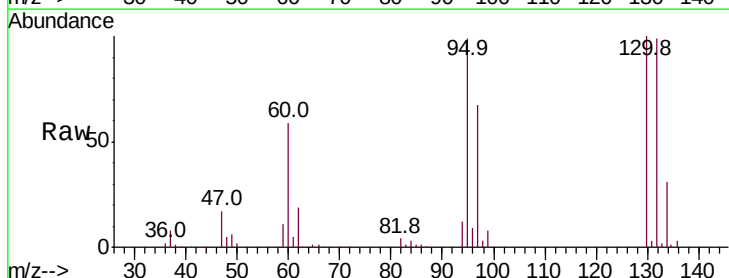
Acq: 30 May 2019 13:27

Tgt Ion:130 Resp: 672828

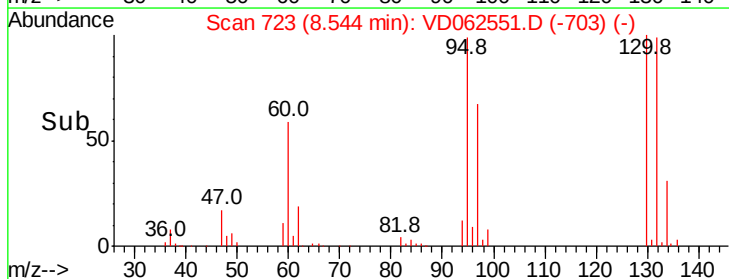
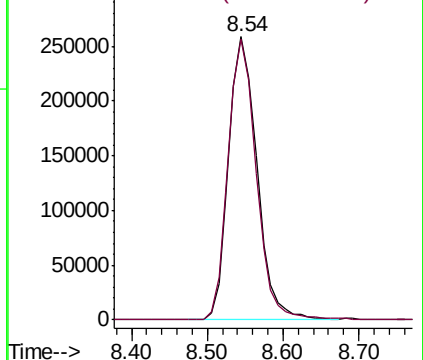
Ion Ratio Lower Upper

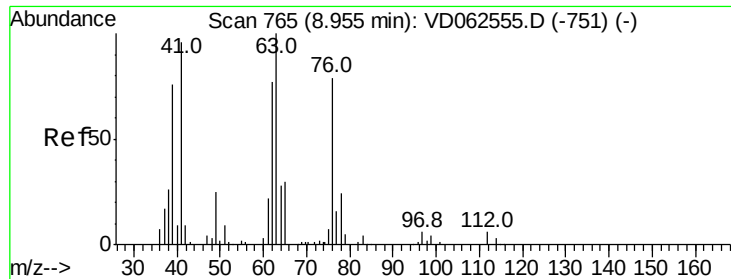
130 100

95 99.1 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: 70.904 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

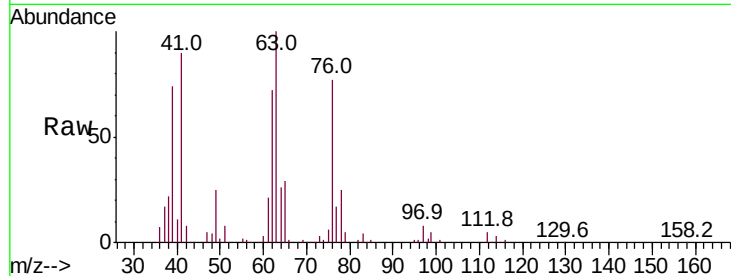
VSTDIC075

Tot Ion: 63 Resp: 411300

Ion Ratio Lower Upper

63 100

65 28.7 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

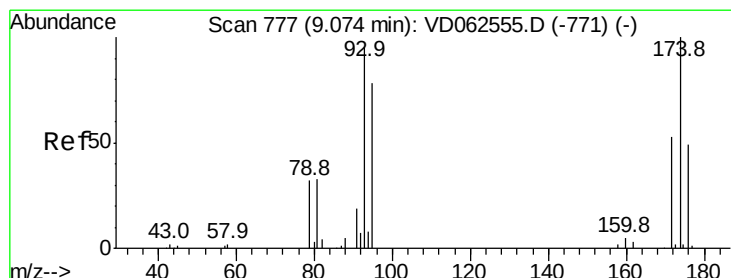
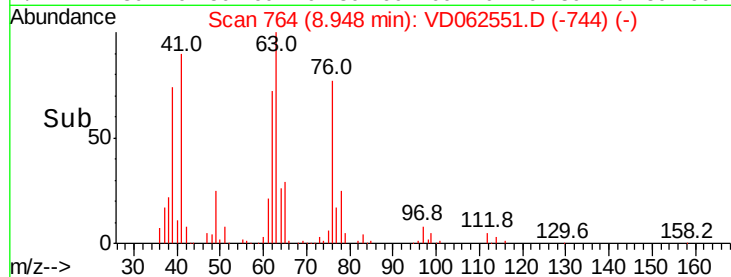
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 73.815 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

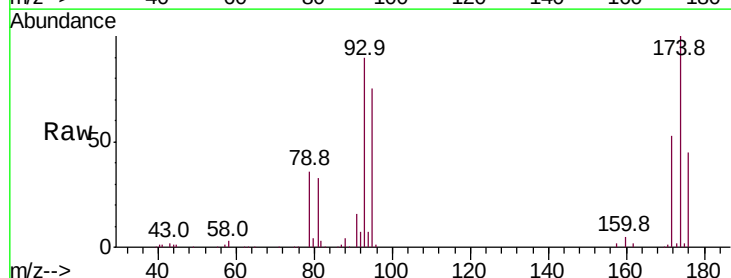
Tgt Ion: 93 Resp: 357154

Ion Ratio Lower Upper

93 100

95 83.2 66.1 99.1

174 110.5 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): VDC

200000

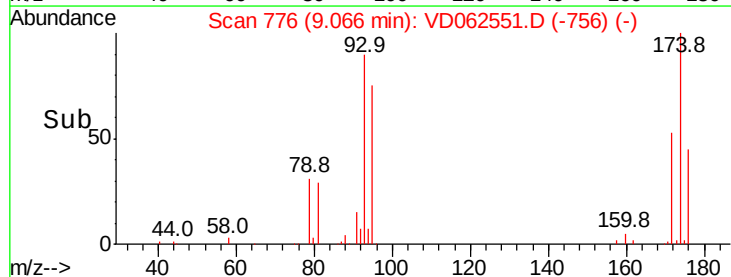
150000

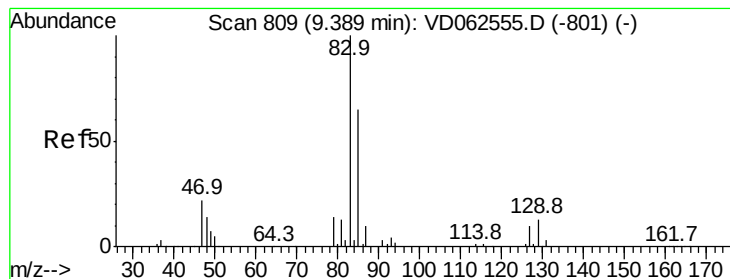
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 75.081 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

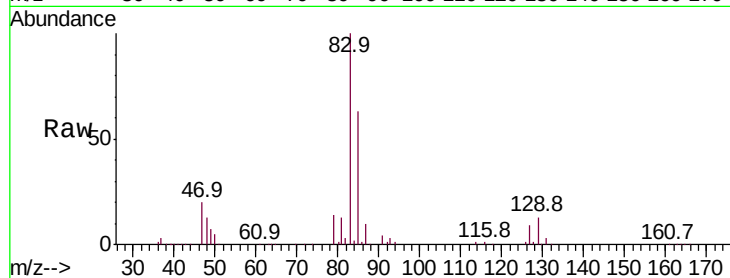
Tot Ion: 83 Resp: 1009115

Ion Ratio Lower Upper

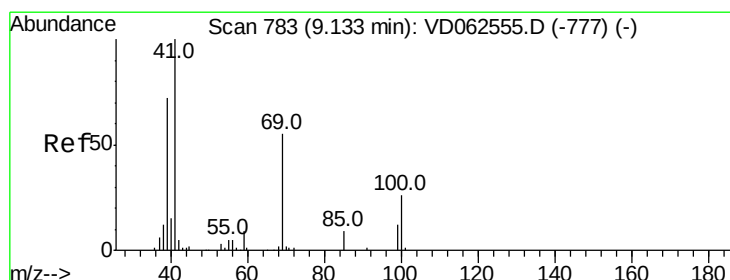
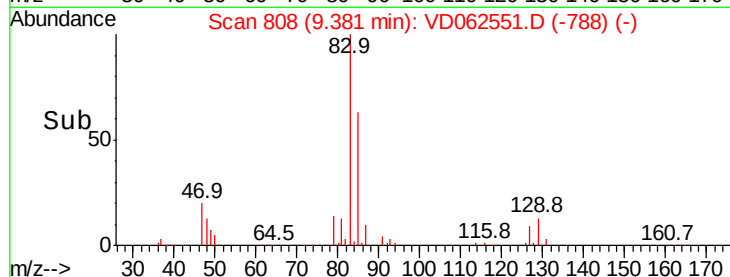
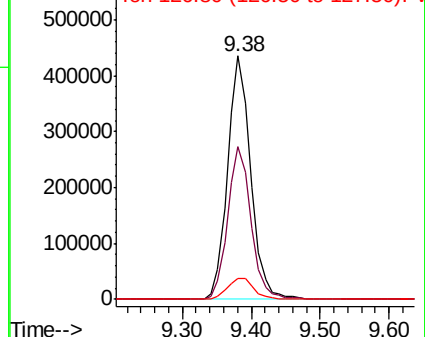
83 100

85 62.9 51.8 77.8

127 8.7 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: 74.784 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

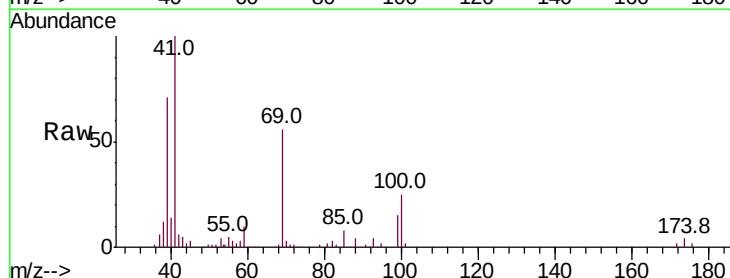
Tgt Ion: 41 Resp: 327079

Ion Ratio Lower Upper

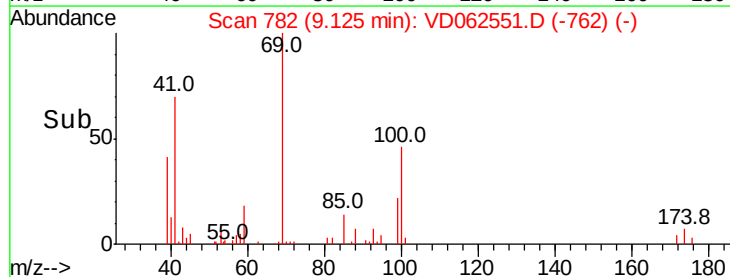
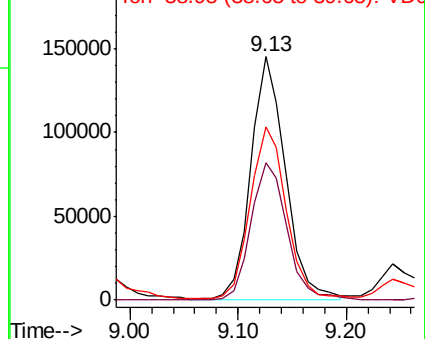
41 100

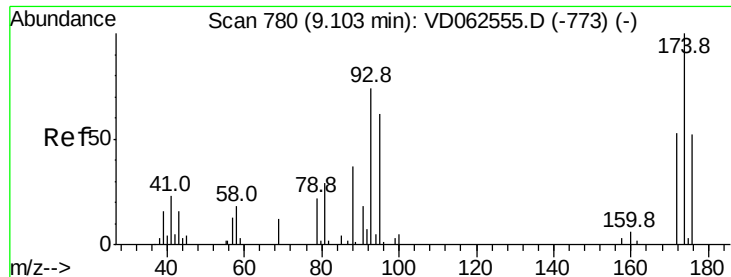
69 56.4 43.6 65.4

39 71.3 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: 1597.349 ug/l

RT: 9.09 min Scan# 778

Delta R.T. -0.02 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

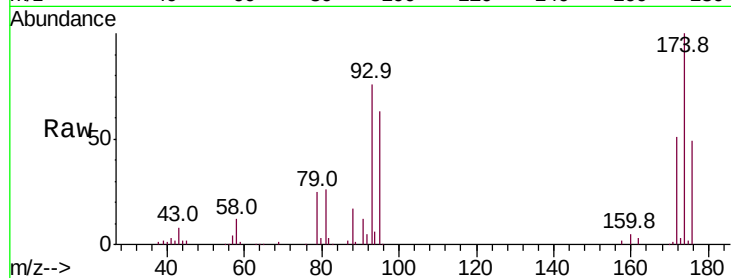
Tot Ion: 88 Resp: 56714

Ion Ratio Lower Upper

88 100

43 47.2 37.1 55.7

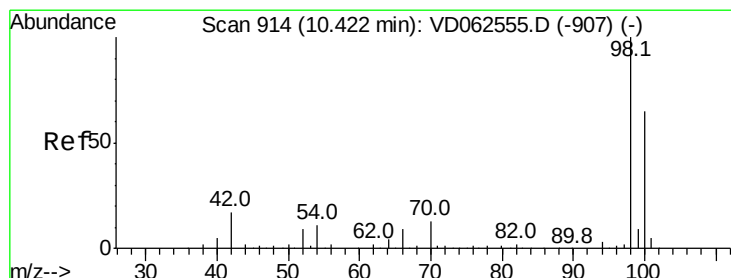
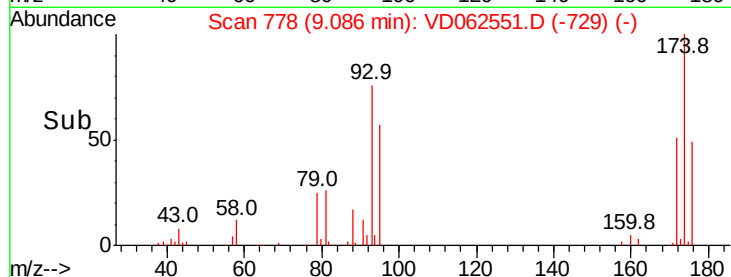
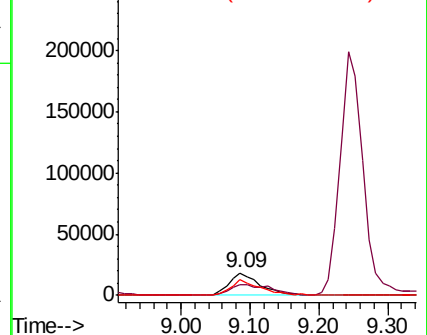
58 69.9 39.3 58.9#



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: 70.927 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062551.D

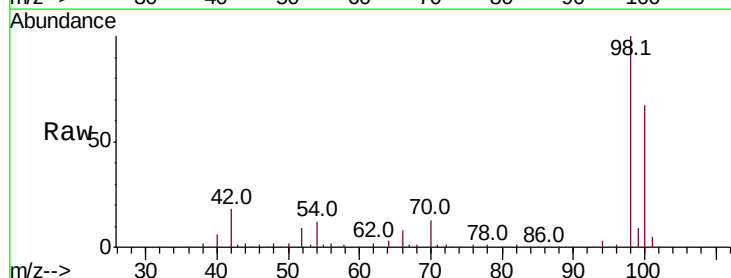
Acq: 30 May 2019 13:27

Tgt Ion: 98 Resp: 1683748

Ion Ratio Lower Upper

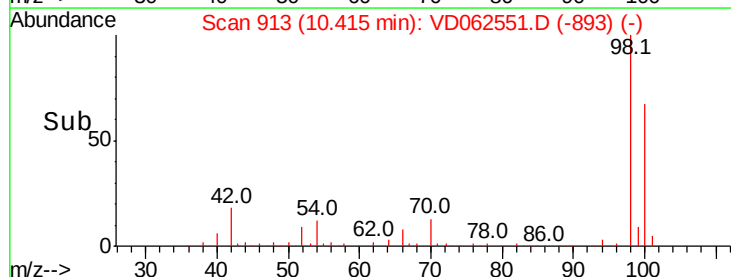
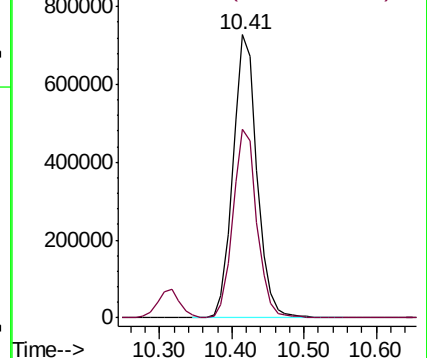
98 100

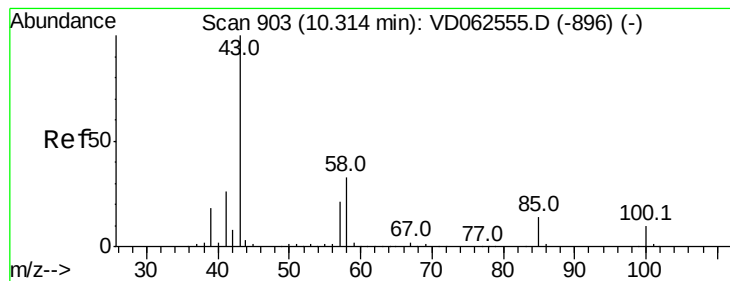
100 66.6 52.3 78.5



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: 339.677 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

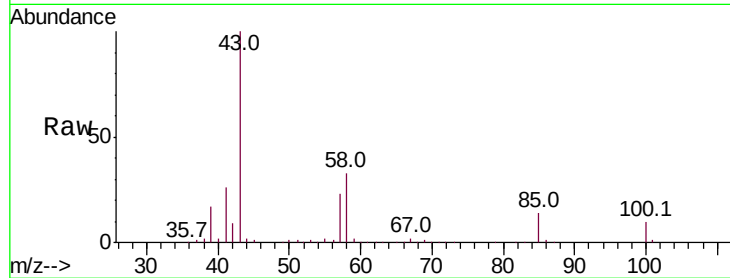
VSTDIC075

Tot Ion: 43 Resp: 1529531

Ion Ratio Lower Upper

43 100

58 33.4 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

600000

400000

200000

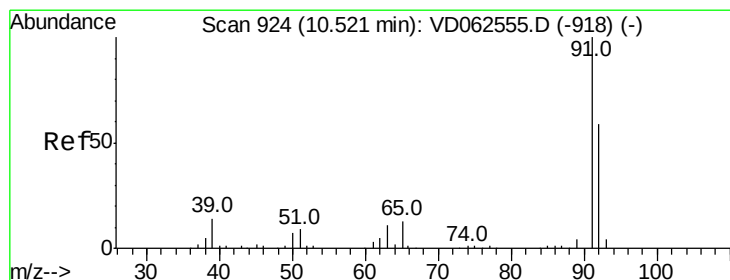
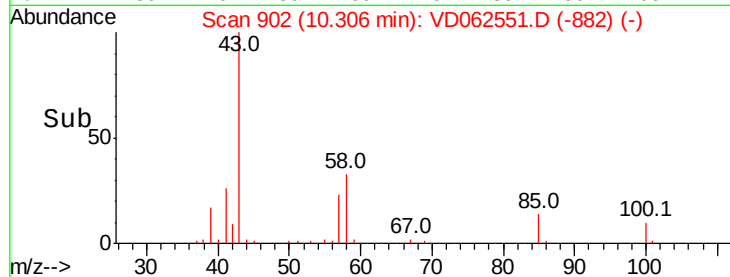
0

Time-->

10.20

10.30

10.40



#52

Toluene

Concen: 73.581 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062551.D

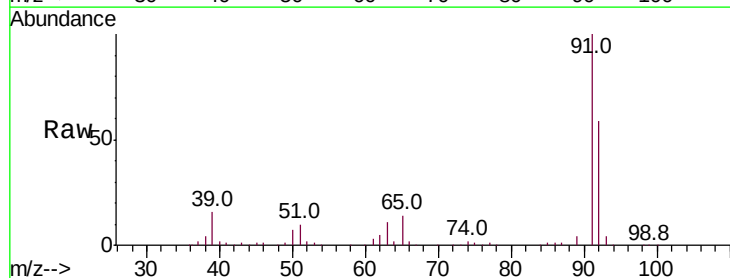
Acq: 30 May 2019 13:27

Tgt Ion: 92 Resp: 1182162

Ion Ratio Lower Upper

92 100

91 170.3 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

600000

400000

200000

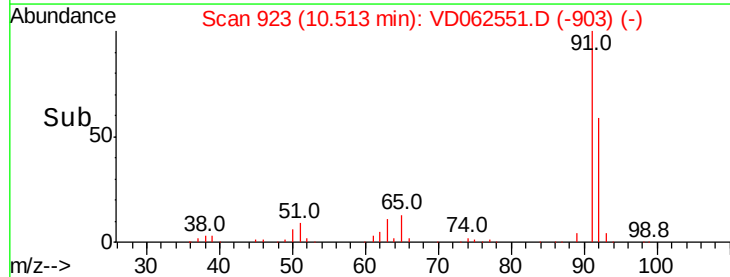
0

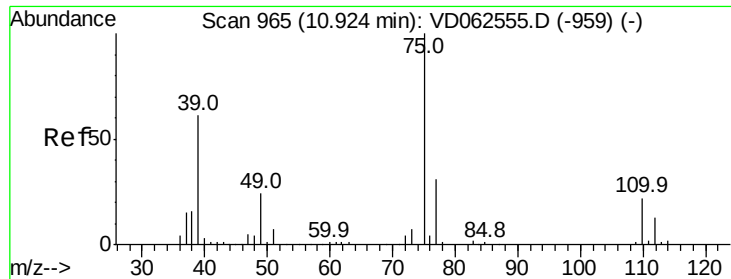
Time-->

10.40

10.50

10.60

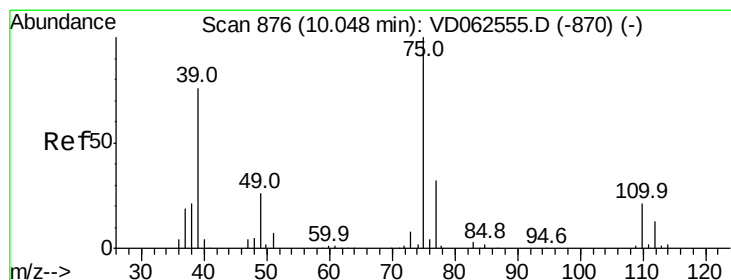
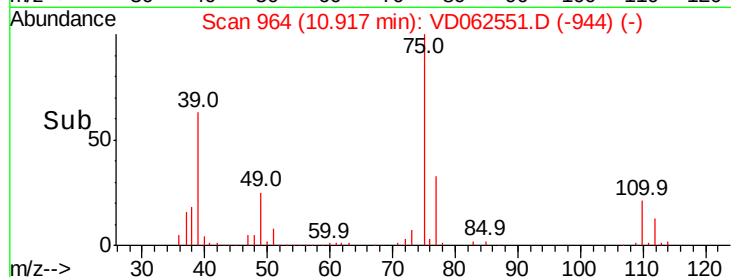
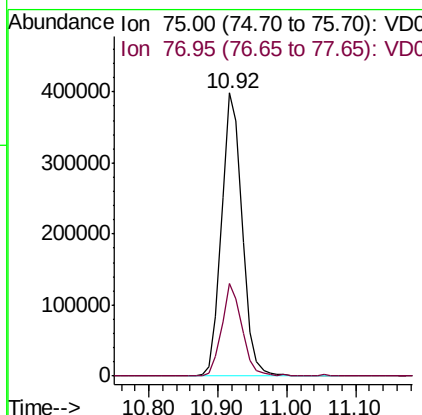
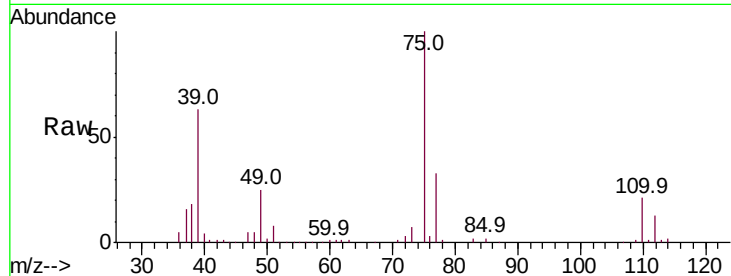




#53
 t-1,3-Dichloropropene
 Concen: 72.066 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

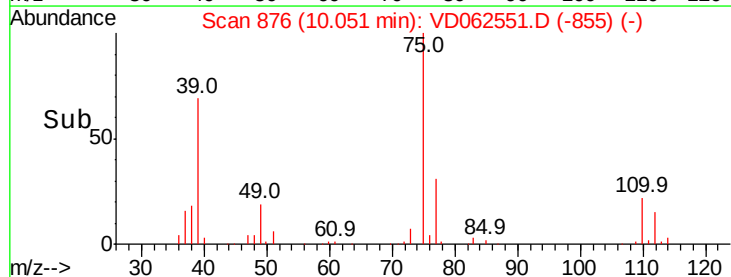
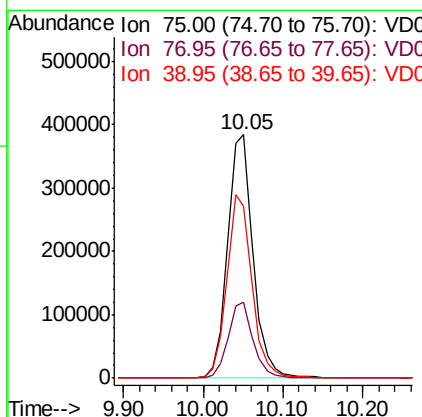
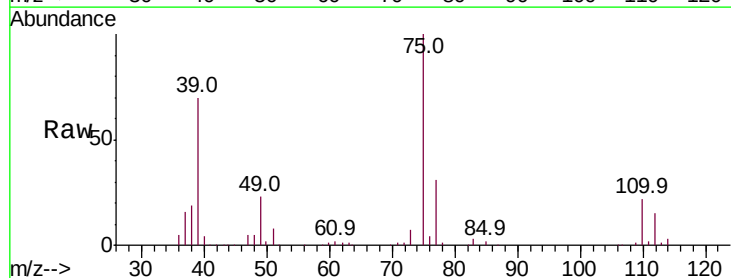
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

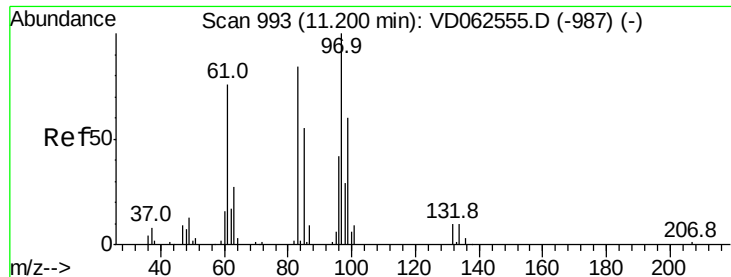
Tot Ion: 75 Resp: 828036
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 72.759 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion: 75 Resp: 864160
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5
 39 70.4 61.0 91.6





#55

1,1,2-Trichloroethane

Concen: 72.812 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 388991

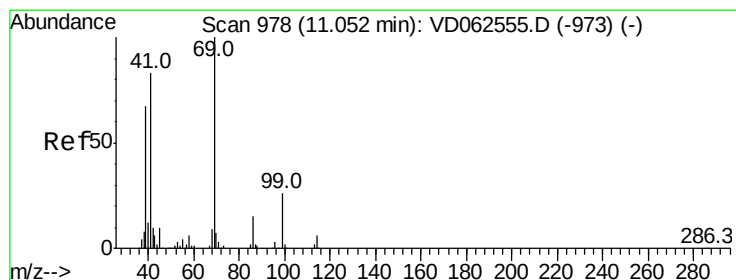
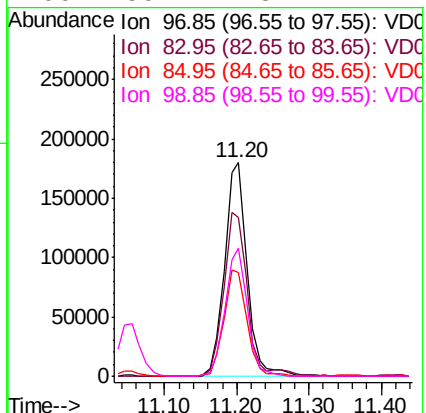
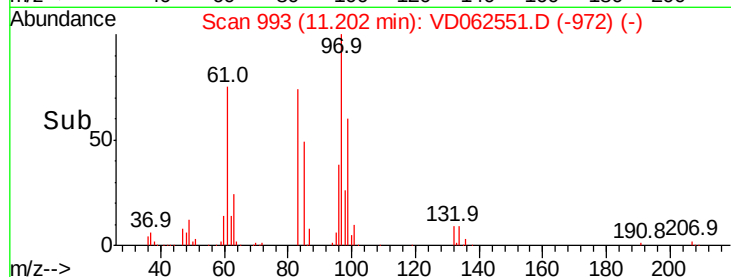
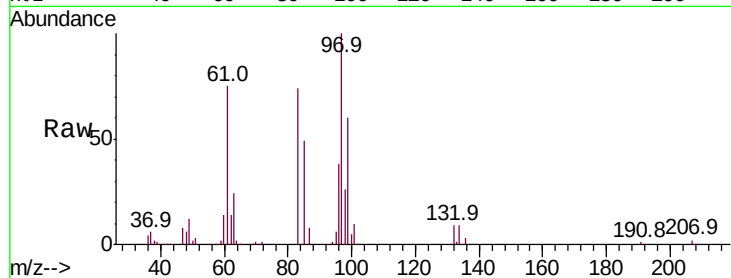
Ion	Ratio	Lower	Upper
97	100		
83	74.2	67.3	100.9
85	48.8	43.8	65.8
99	59.7	48.2	72.2

97 100

83 74.2 67.3 100.9

85 48.8 43.8 65.8

99 59.7 48.2 72.2



#56

Ethyl methacrylate

Concen: 69.271 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

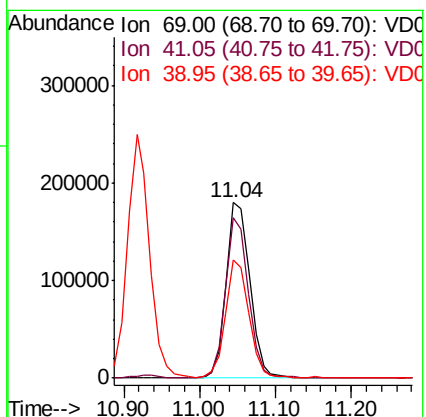
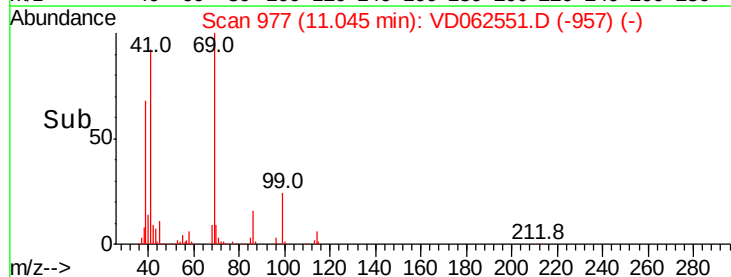
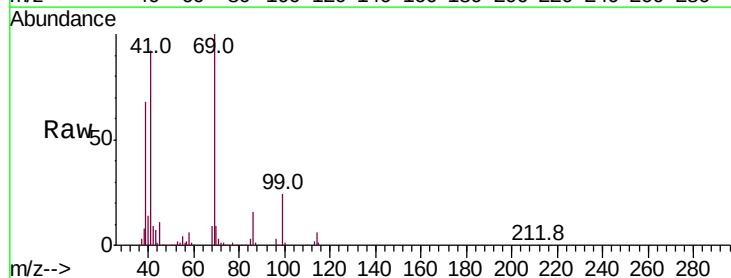
Tgt Ion: 69 Resp: 391415

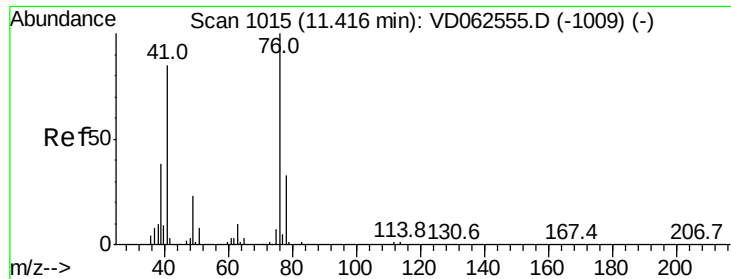
Ion	Ratio	Lower	Upper
69	100		
41	91.7	66.1	99.1
39	67.5	54.2	81.2

69 100

41 91.7 66.1 99.1

39 67.5 54.2 81.2





#57

1,3-Dichloropropane

Concen: 75.339 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

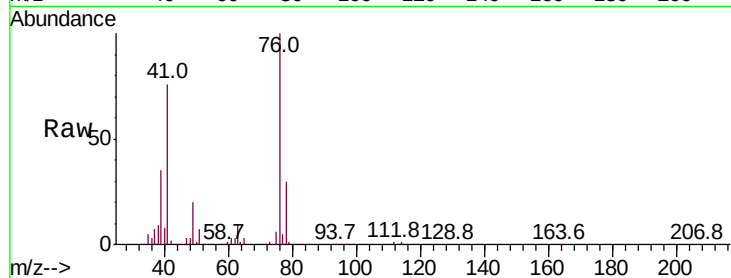
VSTDIC075

Tot Ion: 76 Resp: 609613

Ion Ratio Lower Upper

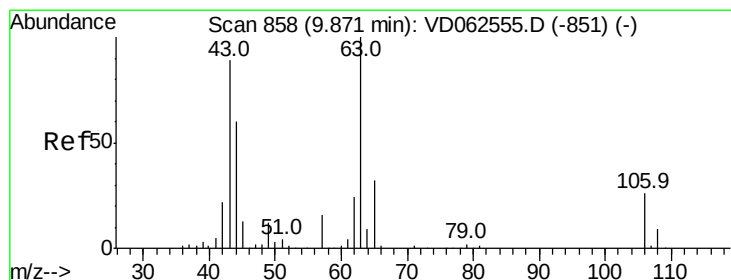
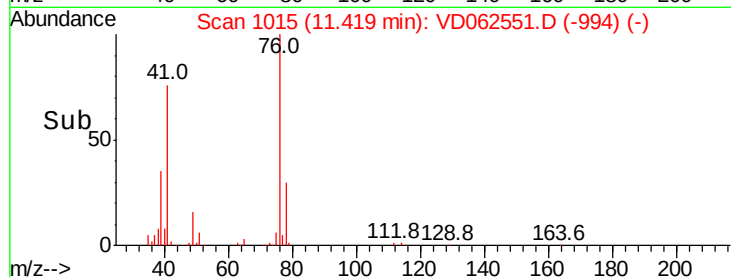
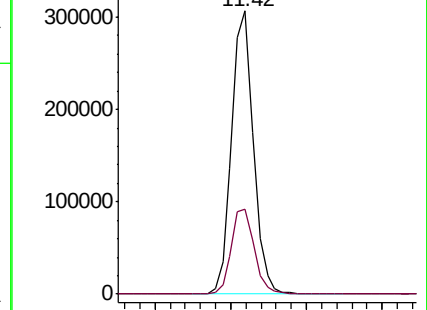
76 100

78 30.2 26.7 40.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 294.956 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062551.D

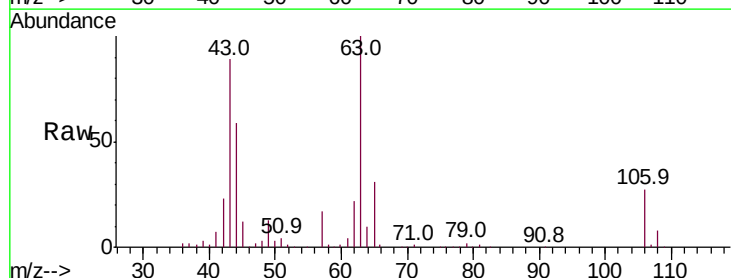
Acq: 30 May 2019 13:27

Tgt Ion: 63 Resp: 863830

Ion Ratio Lower Upper

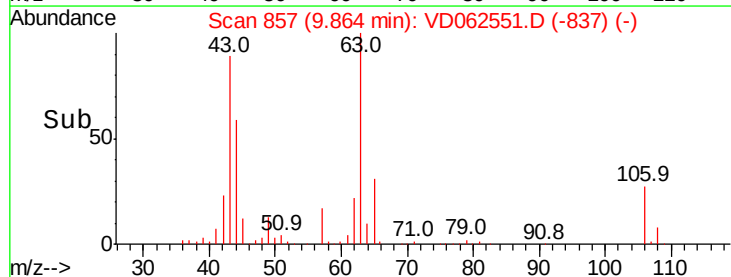
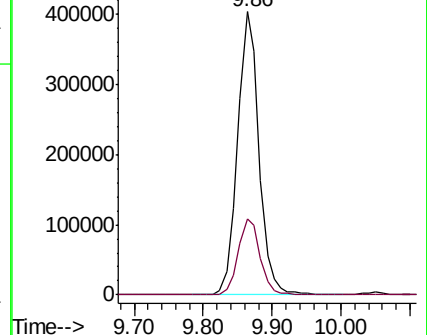
63 100

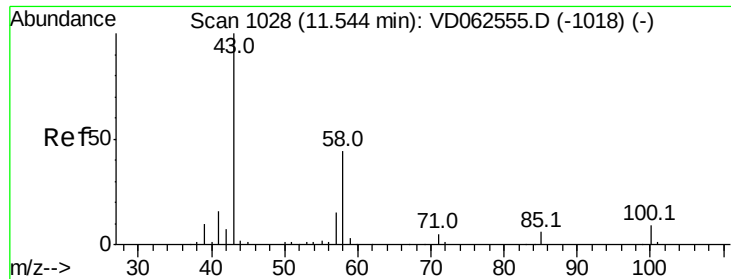
106 26.9 21.0 31.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

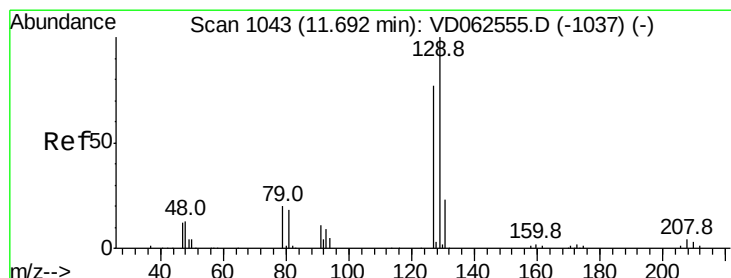
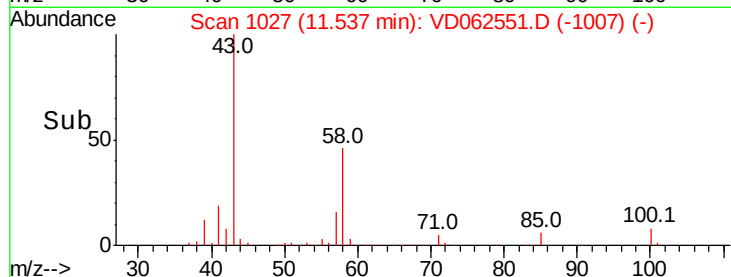
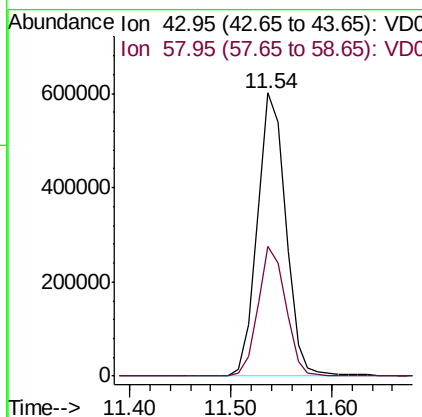
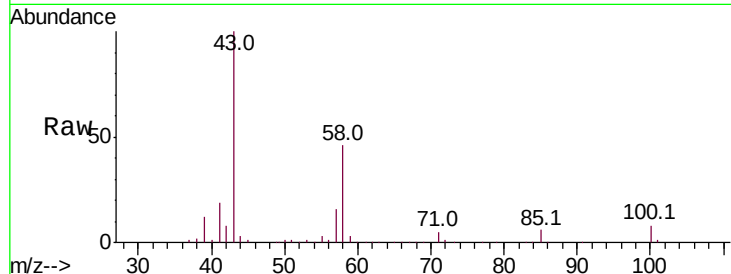




#59
2-Hexanone
Concen: 375.899 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

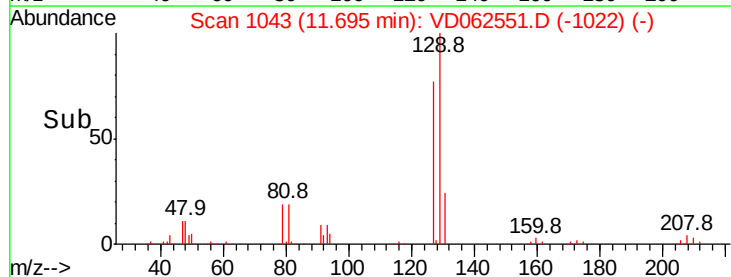
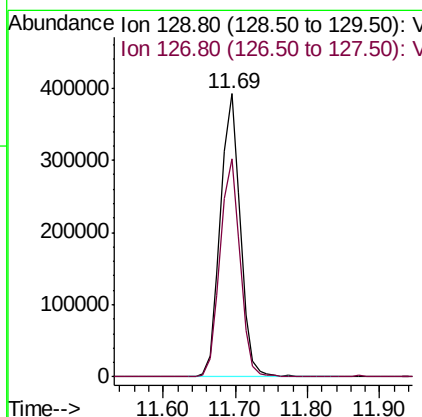
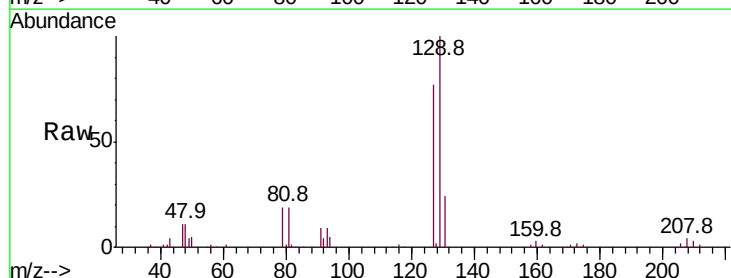
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

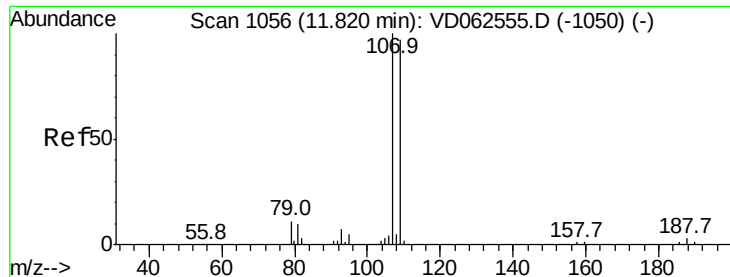
Tot Ion: 43 Resp: 1182621
Ion Ratio Lower Upper
43 100
58 46.0 22.0 66.0



#60
Dibromochloromethane
Concen: 72.090 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion: 129 Resp: 747141
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

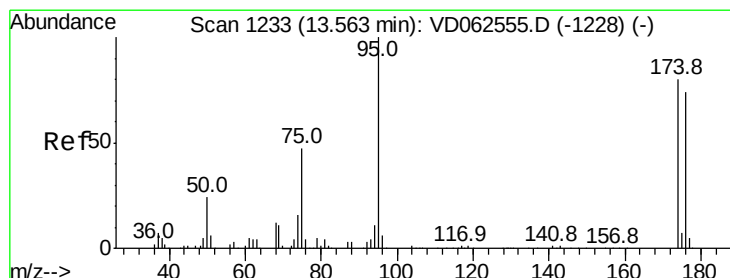
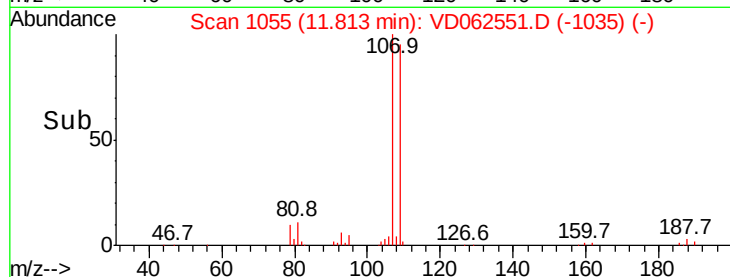
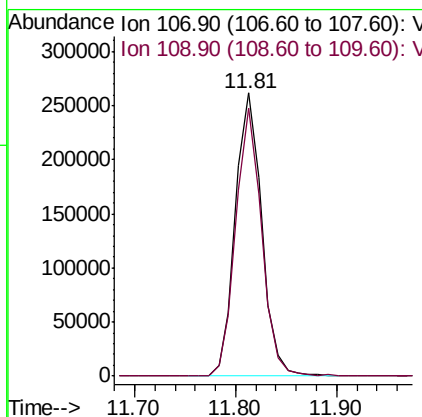
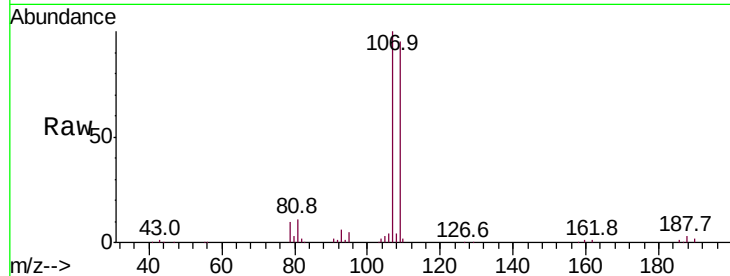




#61
 1,2-Dibromoethane
 Concen: 75.280 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

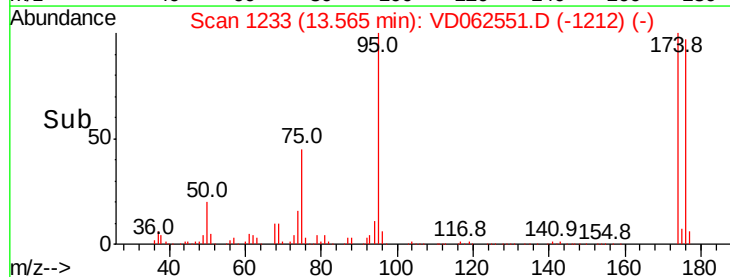
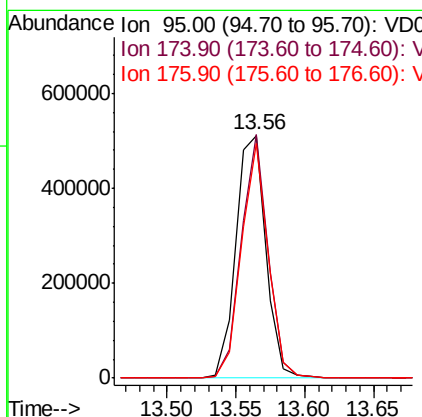
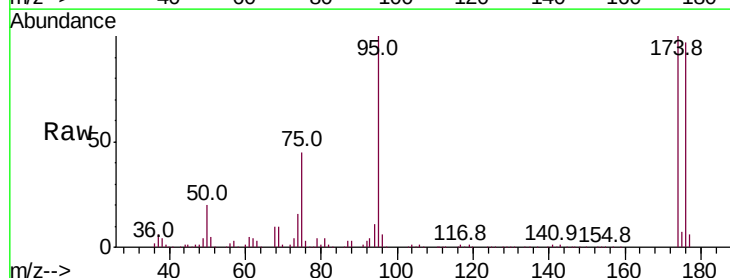
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

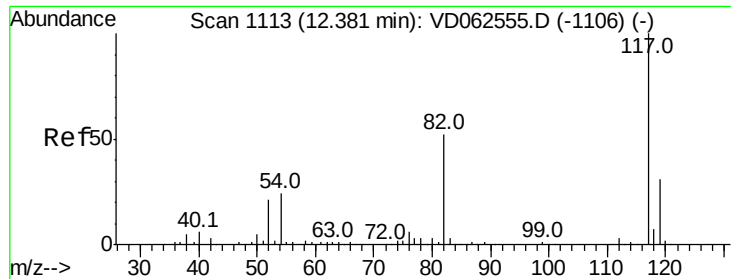
Tot Ion:107 Resp: 475903
 Ion Ratio Lower Upper
 107 100
 109 94.7 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 72.923 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion: 95 Resp: 776153
 Ion Ratio Lower Upper
 95 100
 174 100.2 0.0 160.2
 176 96.8 0.0 148.0

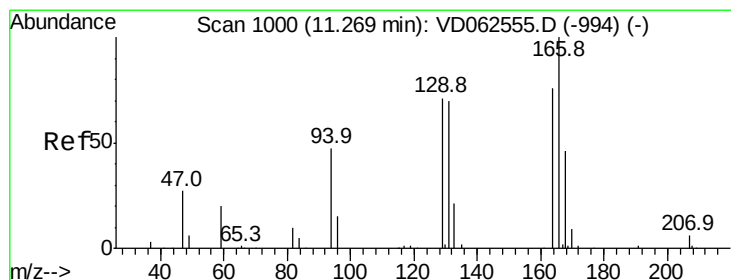
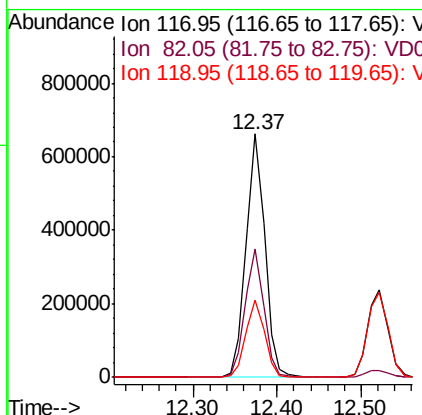
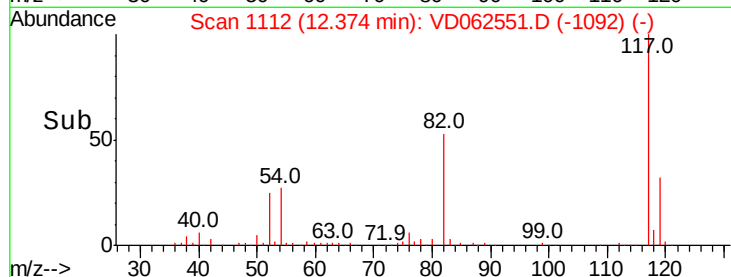
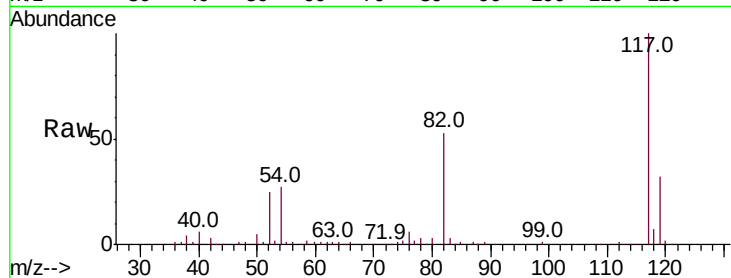




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

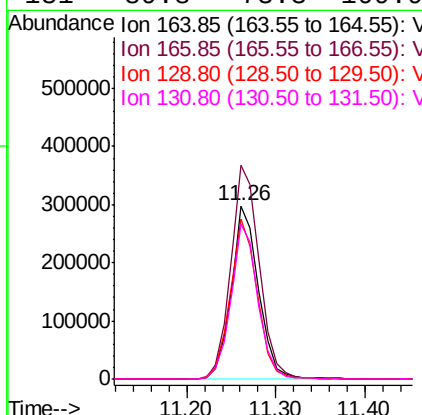
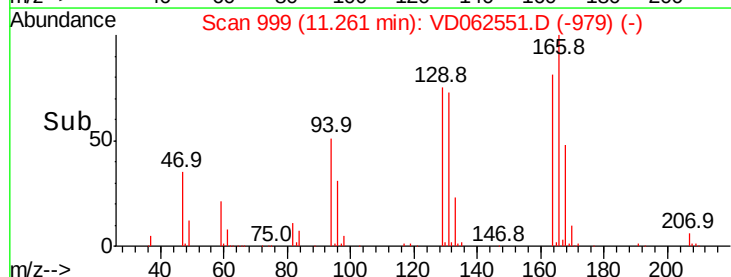
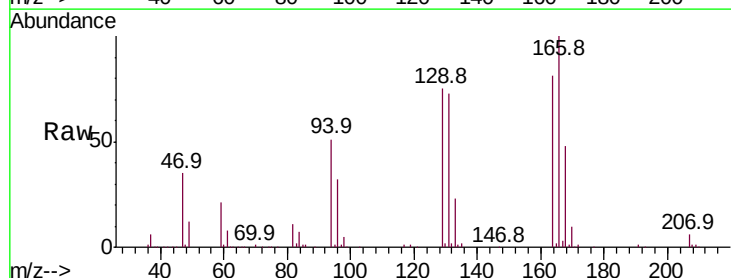
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

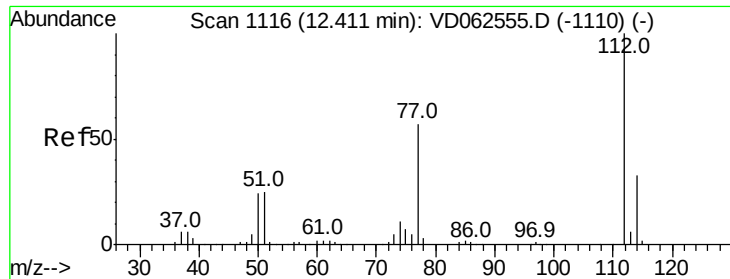
Tot Ion:117 Resp: 1039065
Ion Ratio Lower Upper
117 100
82 52.5 41.4 62.2
119 31.6 24.9 37.3



#64
Tetrachloroethene
Concen: 67.704 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion:164 Resp: 636677
Ion Ratio Lower Upper
164 100
166 123.4 105.3 157.9
129 92.2 75.3 112.9
131 89.8 73.3 109.9

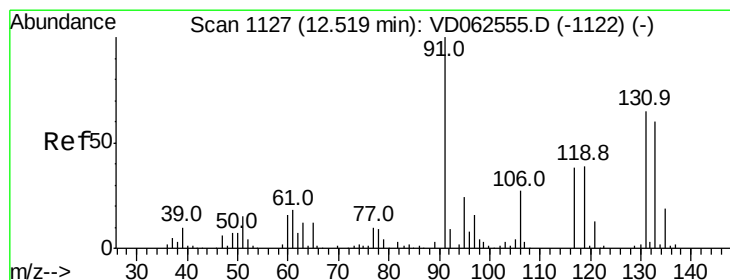
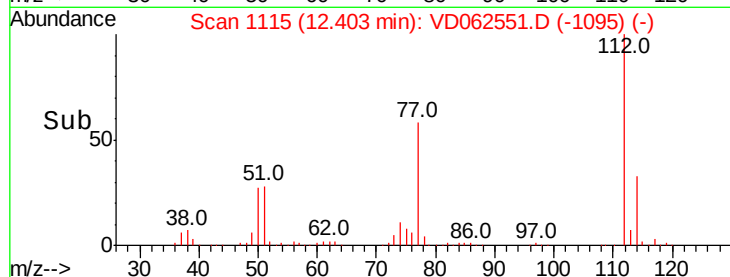
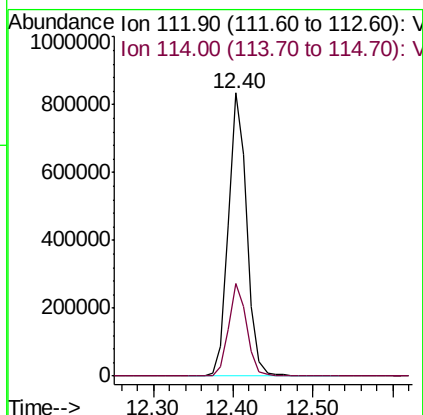
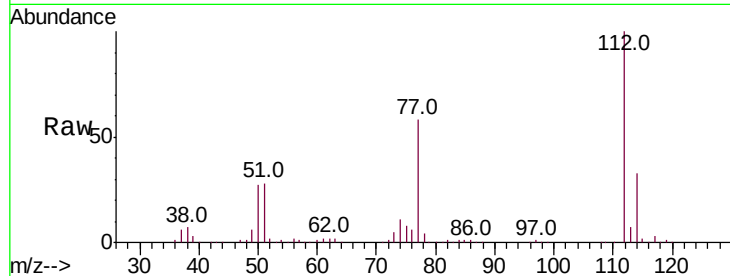




#65
Chlorobenzene
Concen: 64.952 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

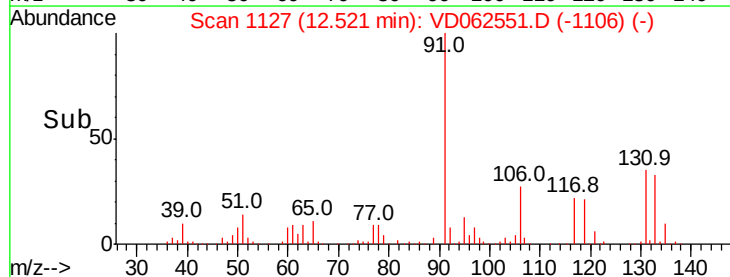
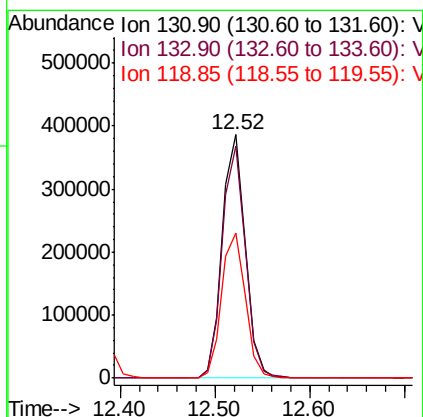
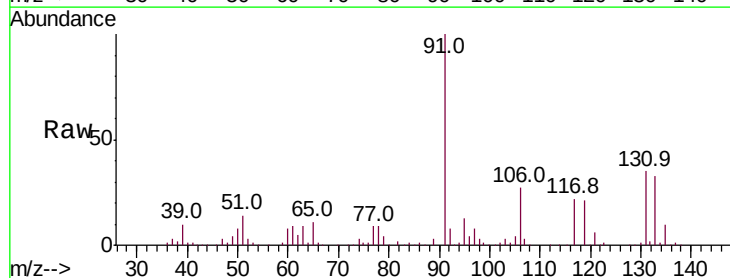
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

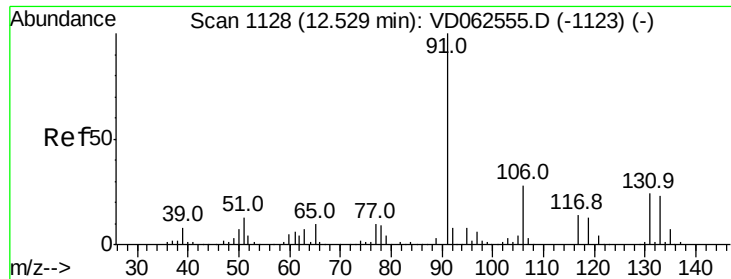
Tot Ion:112 Resp: 1364703
Ion Ratio Lower Upper
112 100
114 32.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 66.706 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion:131 Resp: 654997
Ion Ratio Lower Upper
131 100
133 95.4 46.2 138.6
119 59.7 29.5 88.6

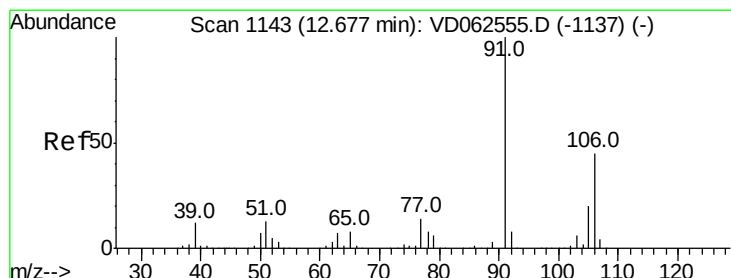
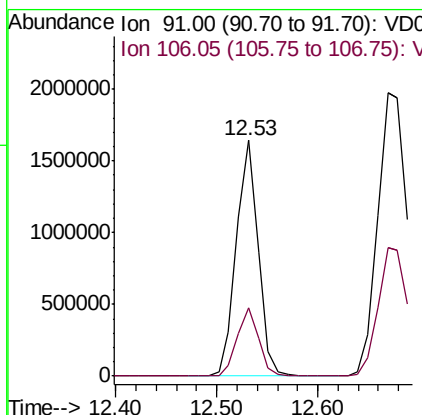
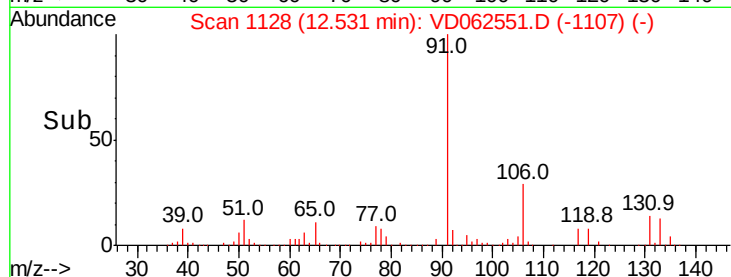
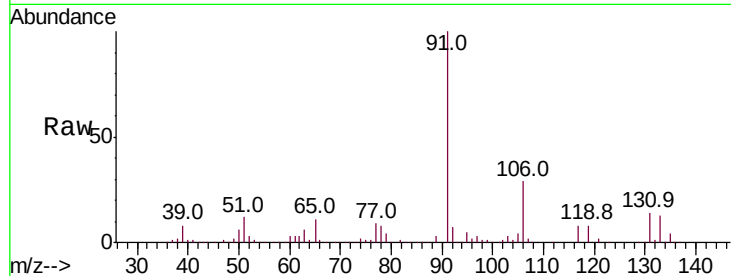




#67
Ethyl Benzene
Concen: 65.382 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

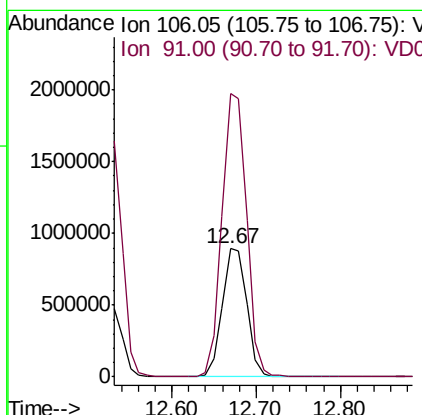
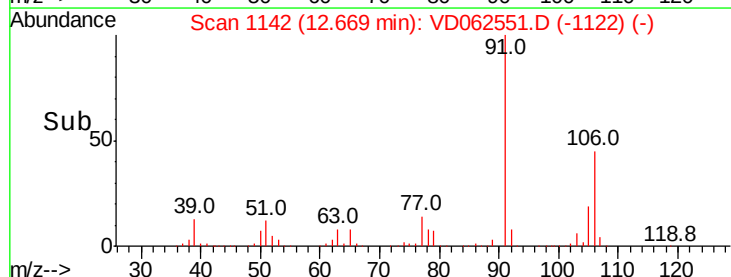
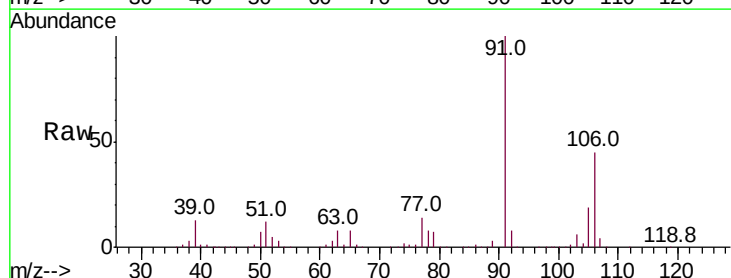
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

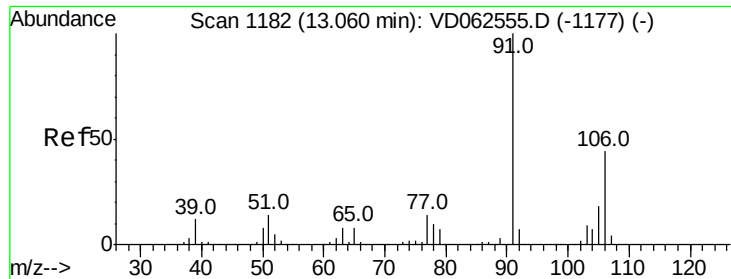
Tot Ion: 91 Resp: 2475234
Ion Ratio Lower Upper
91 100
106 29.2 22.2 33.2



#68
m/p-Xylenes
Concen: 139.872 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion: 106 Resp: 1798316
Ion Ratio Lower Upper
106 100
91 220.9 178.9 268.3

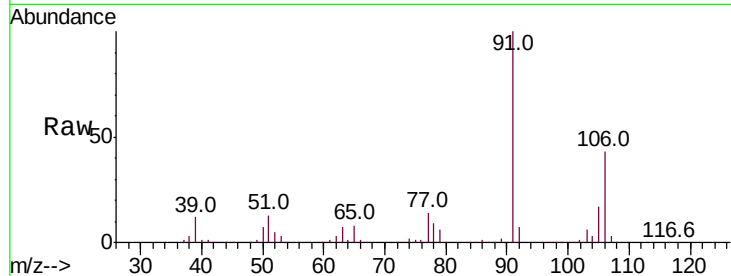




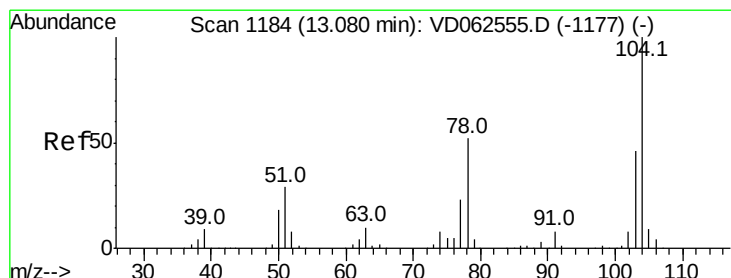
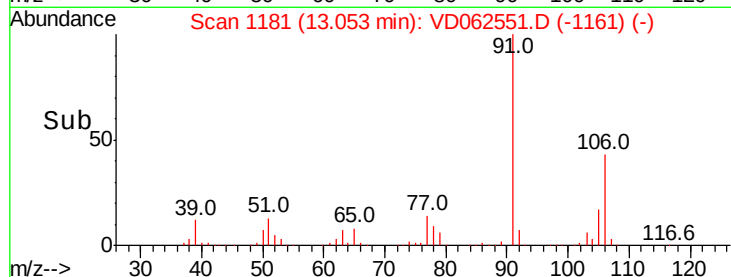
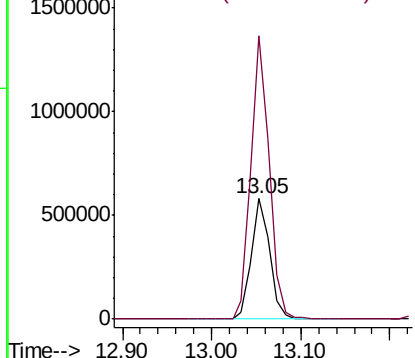
#69
o-Xylene
Concen: 66.011 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 822399
Ion Ratio Lower Upper
106 100
91 234.7 113.9 341.8

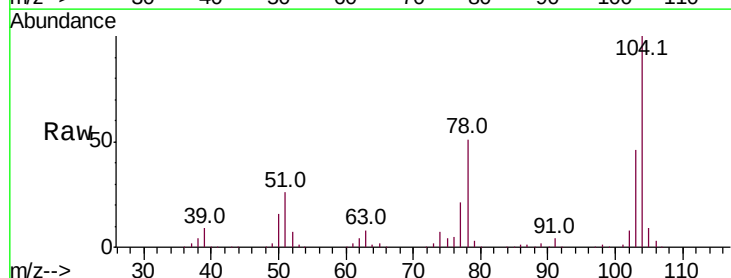


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

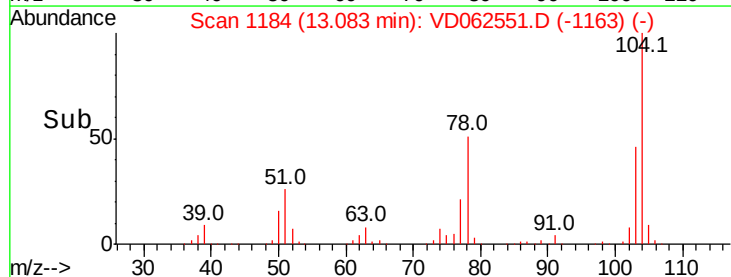
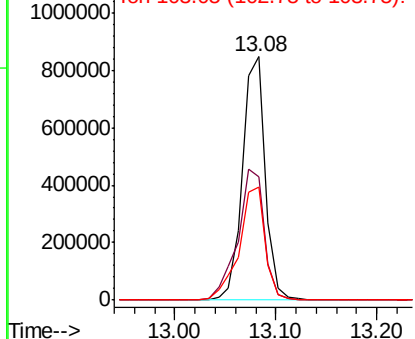


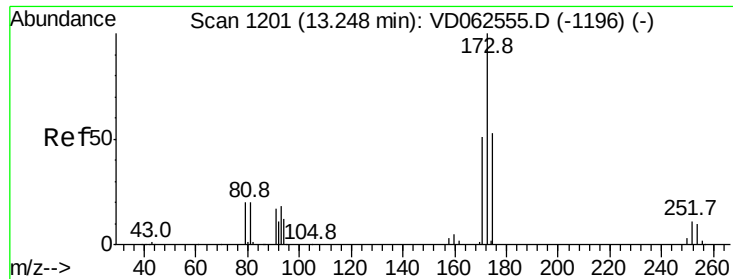
#70
Styrene
Concen: 63.271 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion:104 Resp: 1332594
Ion Ratio Lower Upper
104 100
78 50.5 41.5 62.3
103 46.4 36.6 55.0



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





#71

Bromoform

Concen: 67.529 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

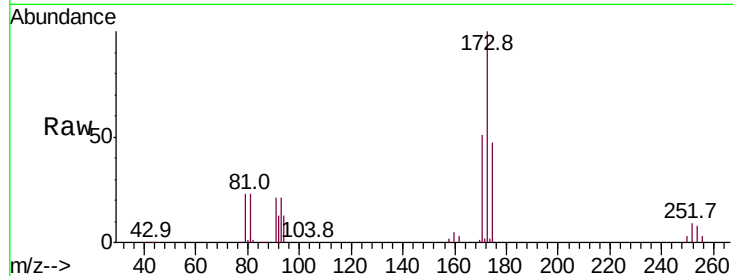
Tot Ion:173 Resp: 461639

Ion Ratio Lower Upper

173 100

175 46.7 26.6 79.7

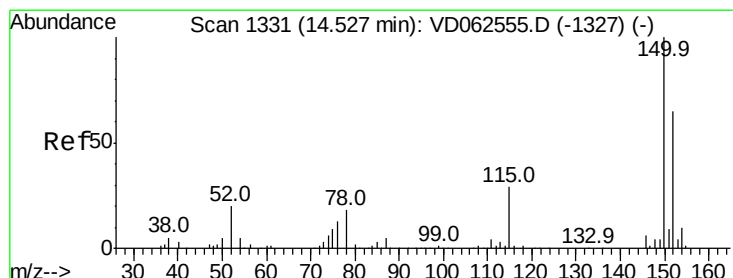
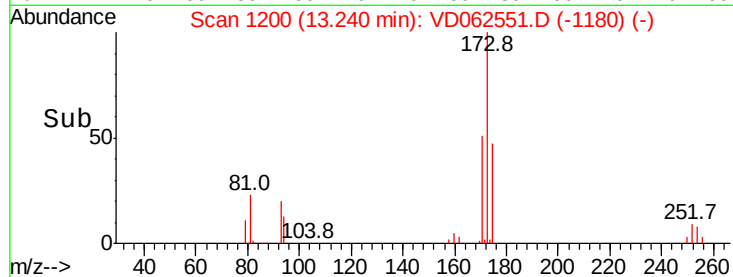
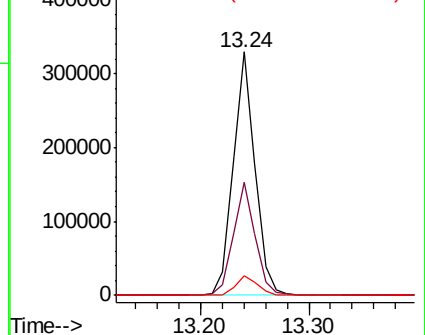
254 8.0 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

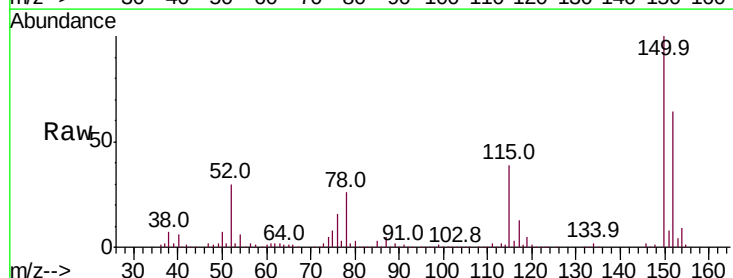
Tgt Ion:152 Resp: 581079

Ion Ratio Lower Upper

152 100

115 60.9 28.4 85.3

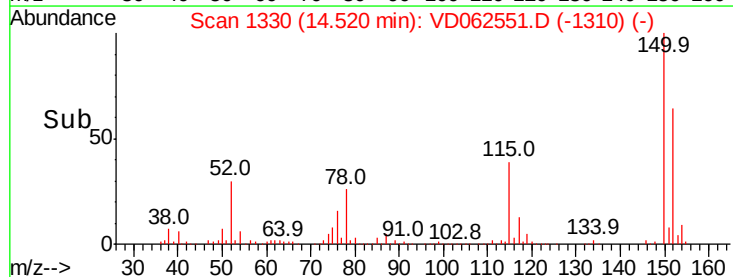
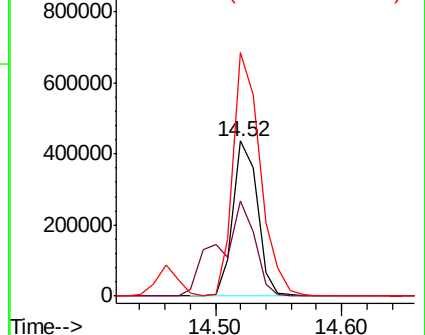
150 156.9 0.0 310.4

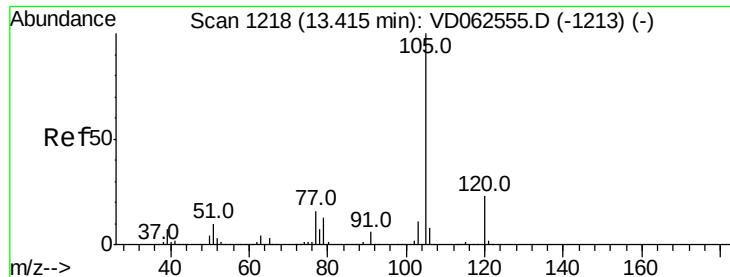


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 65.048 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

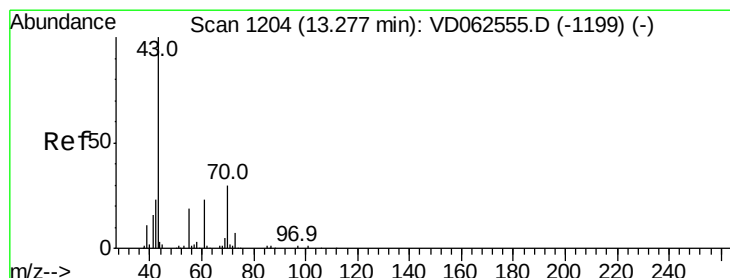
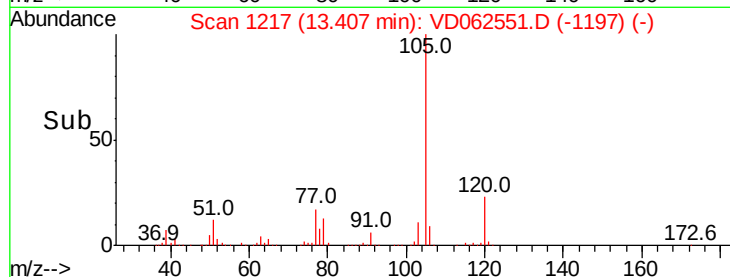
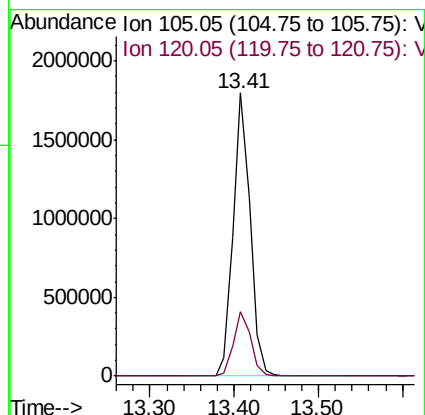
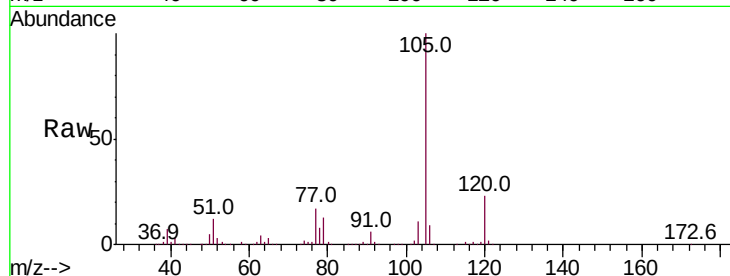
VSTDIC075

Tot Ion:105 Resp: 2513108

Ion Ratio Lower Upper

105 100

120 22.9 11.6 34.8



#74

N-ethyl acetate

Concen: 67.241 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Tgt Ion: 43 Resp: 667444

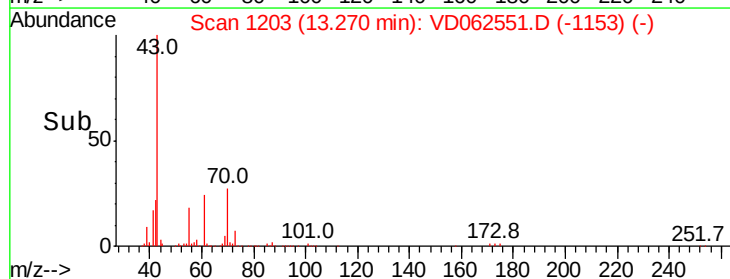
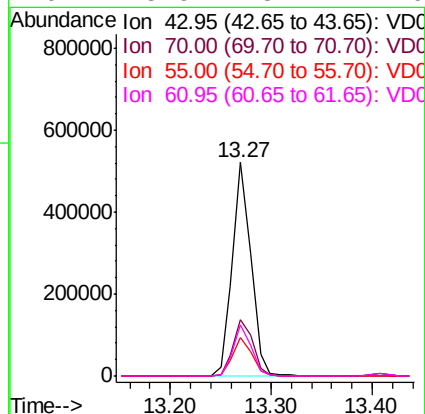
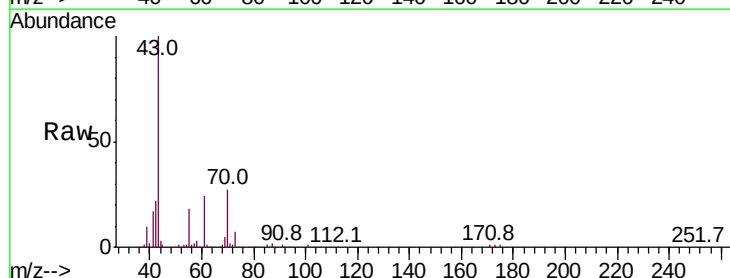
Ion Ratio Lower Upper

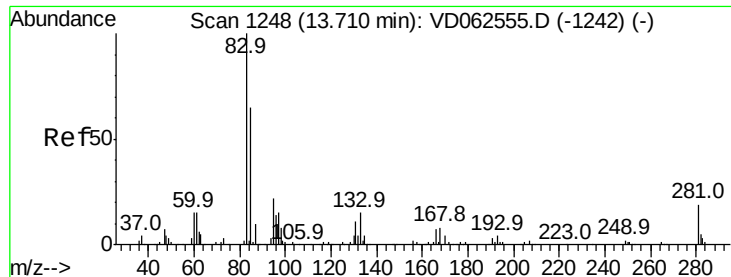
43 100

70 26.6 23.7 35.5

55 18.0 15.0 22.4

61 23.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 63.376 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

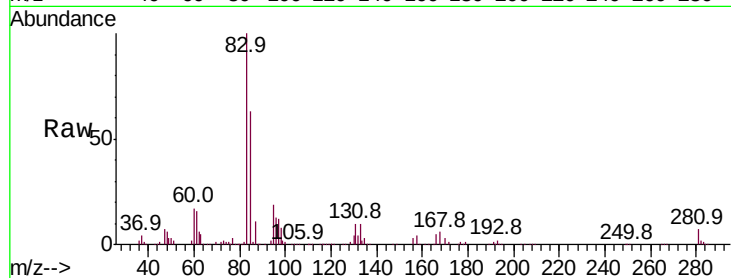
Tot Ion: 83 Resp: 401268

Ion Ratio Lower Upper

83 100

131 10.1 5.7 17.1

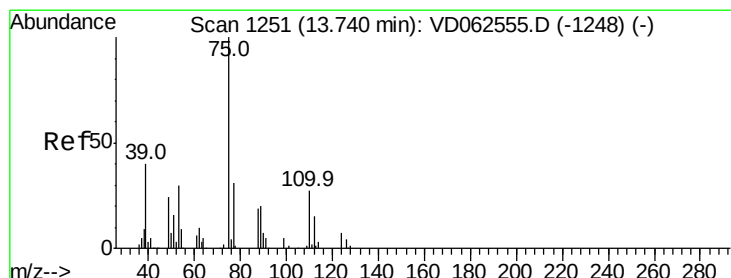
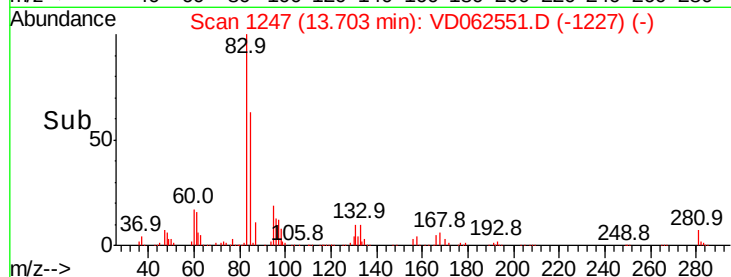
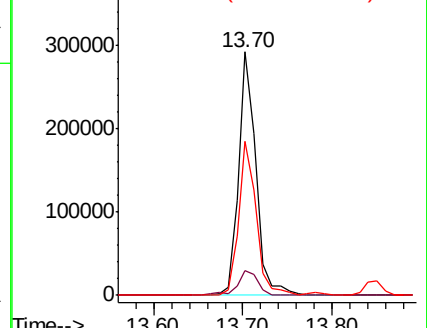
85 63.3 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 67.591 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062551.D

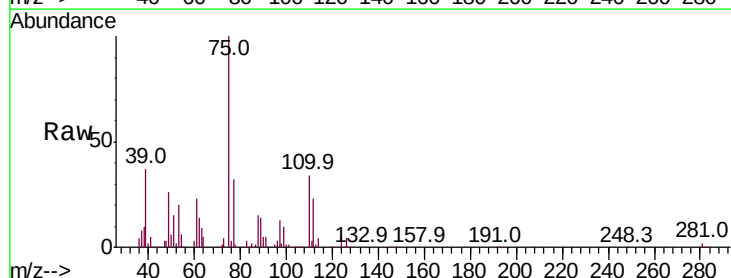
Acq: 30 May 2019 13:27

Tgt Ion: 75 Resp: 495912

Ion Ratio Lower Upper

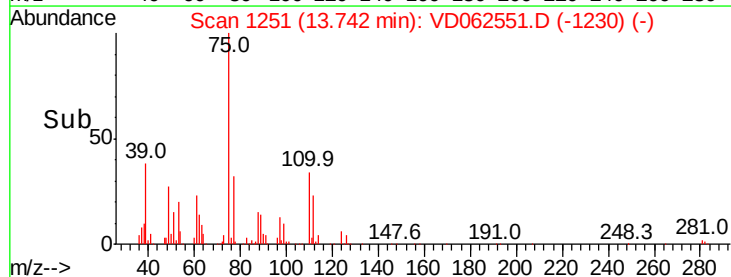
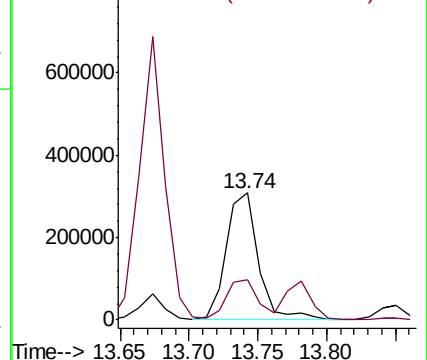
75 100

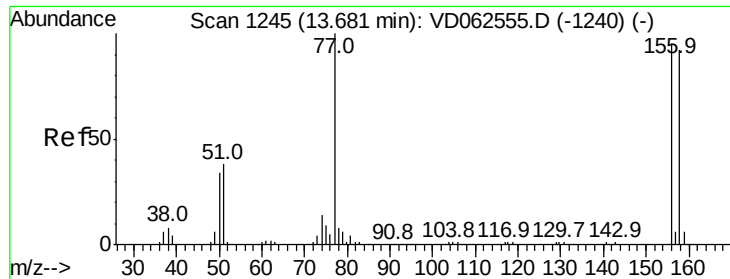
77 32.2 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 63.580 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

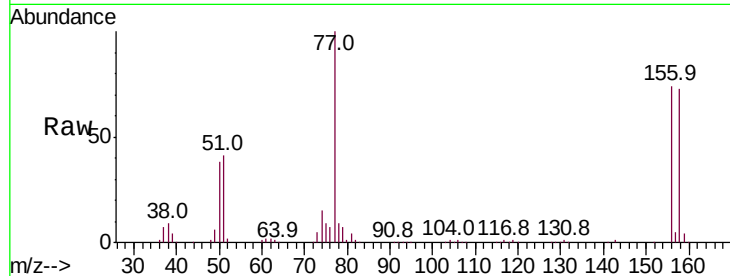
Tot Ion:156 Resp: 687627

Ion Ratio Lower Upper

156 100

77 135.7 52.9 158.7

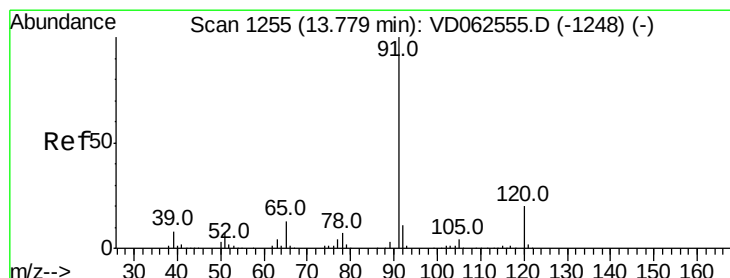
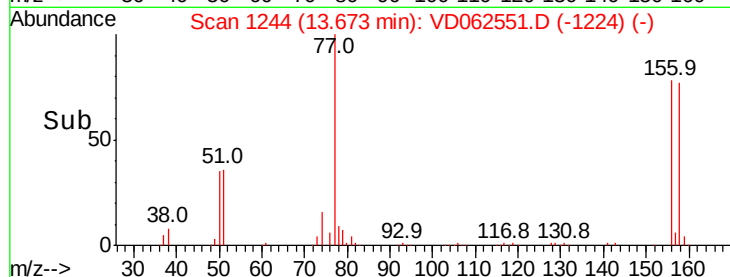
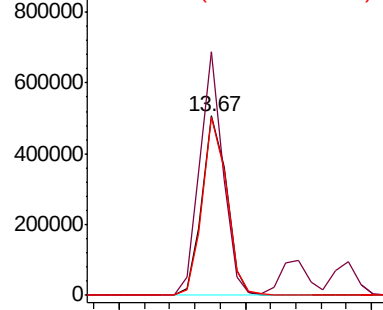
158 99.4 48.5 145.5



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: 66.151 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062551.D

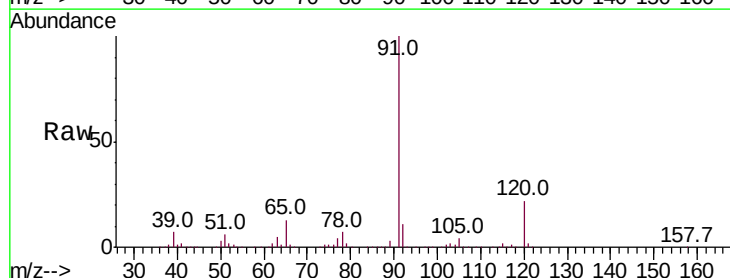
Acq: 30 May 2019 13:27

Tgt Ion: 91 Resp: 2978306

Ion Ratio Lower Upper

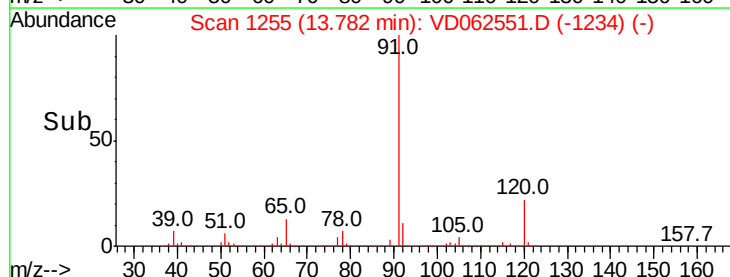
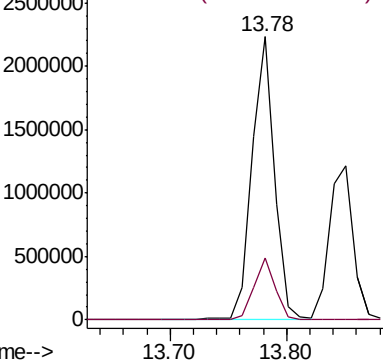
91 100

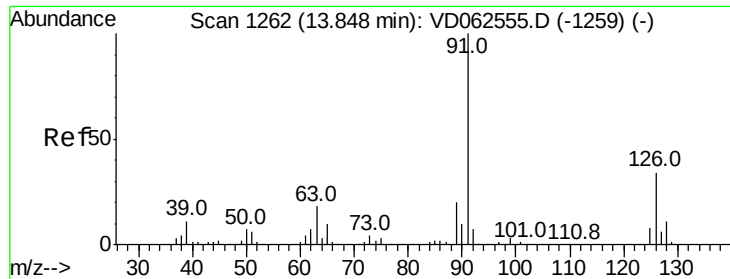
120 21.7 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

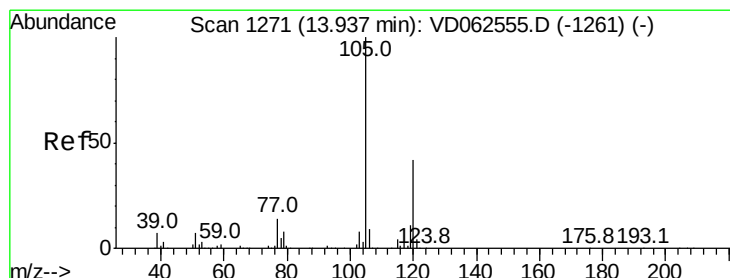
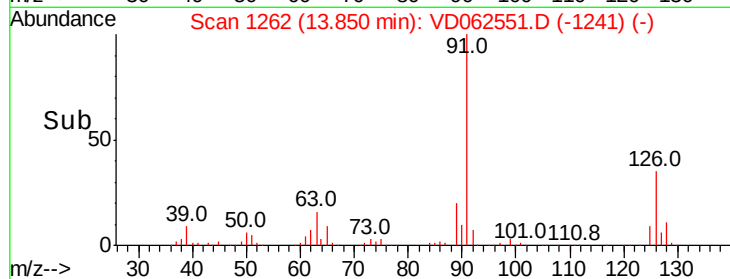
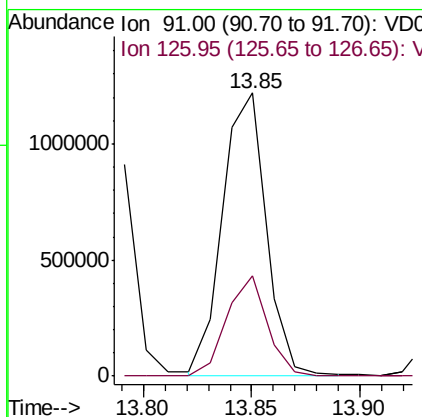
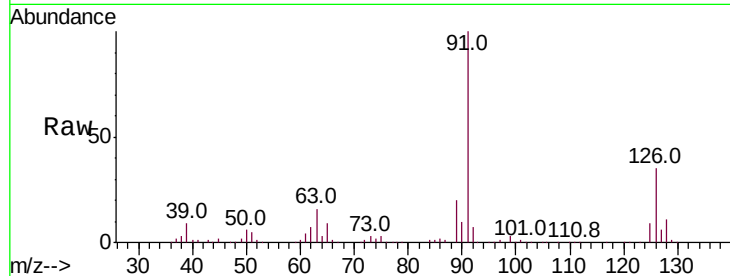




#79
 2-Chlorotoluene
 Concen: 65.203 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

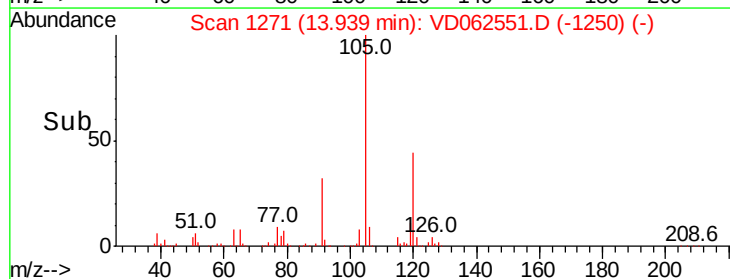
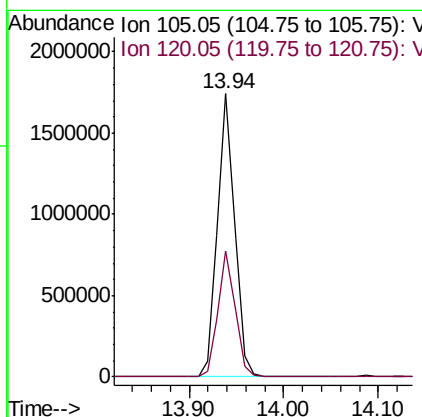
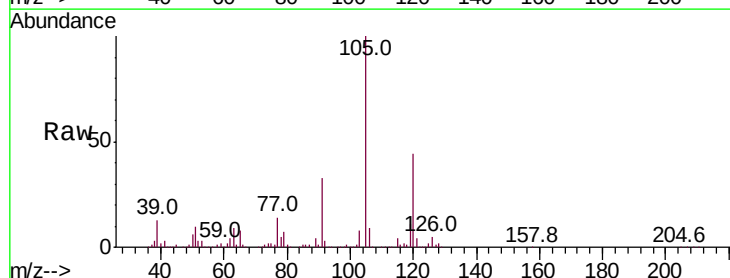
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

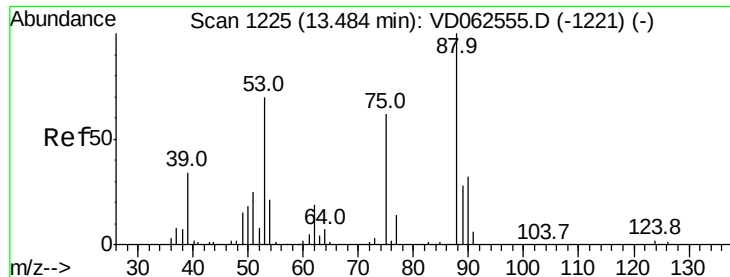
Tot Ion: 91 Resp: 1718629
 Ion Ratio Lower Upper
 91 100
 126 35.4 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 65.385 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion:105 Resp: 2191196
 Ion Ratio Lower Upper
 105 100
 120 44.4 20.8 62.5

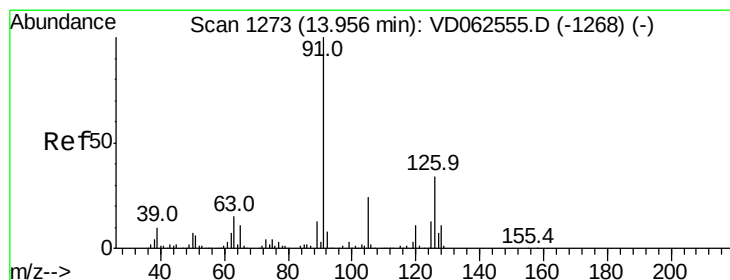
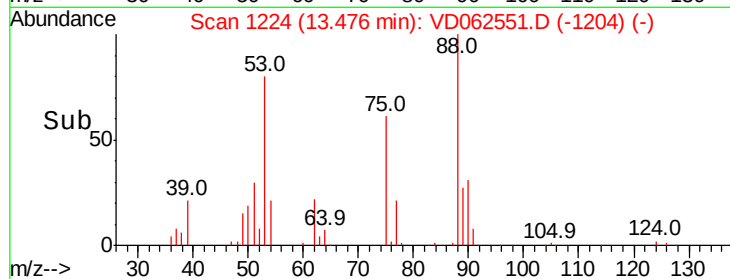
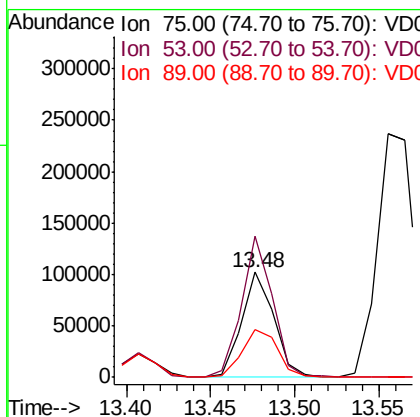
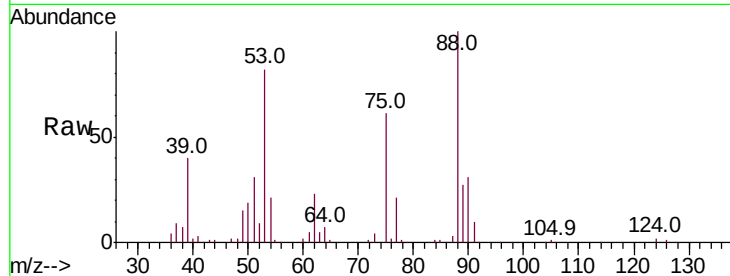




#81
trans-1,4-Dichloro-2-butene
Concen: 69.075 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

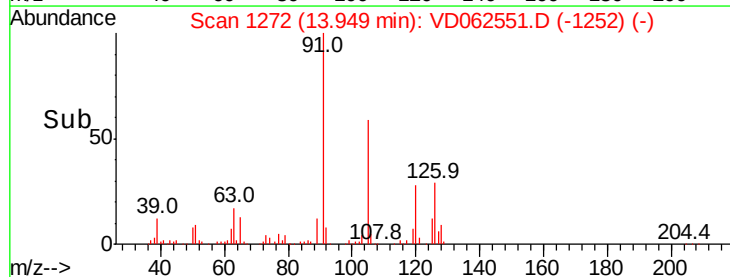
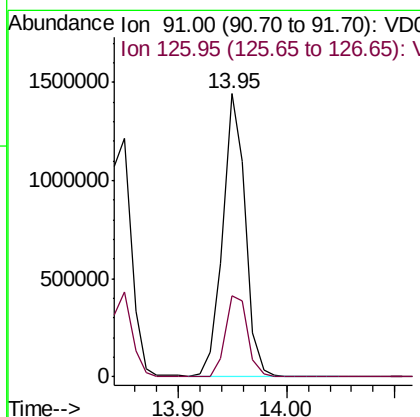
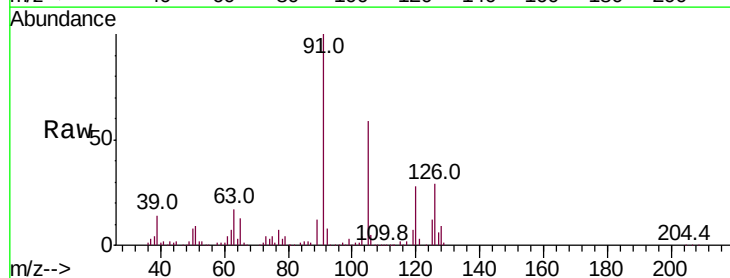
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

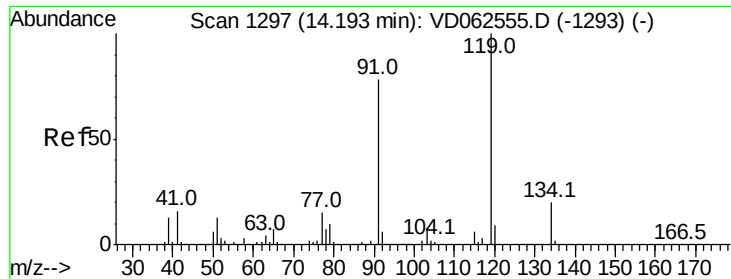
Tot Ion: 75 Resp: 137106
Ion Ratio Lower Upper
75 100
53 134.1 91.0 136.4
89 44.9 36.9 55.3



#82
4-Chlorotoluene
Concen: 65.685 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion: 91 Resp: 2082039
Ion Ratio Lower Upper
91 100
126 28.8 16.9 50.7

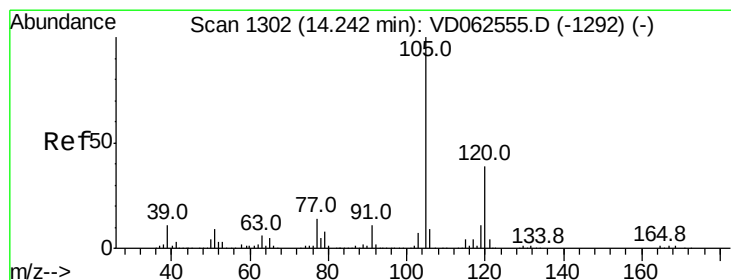
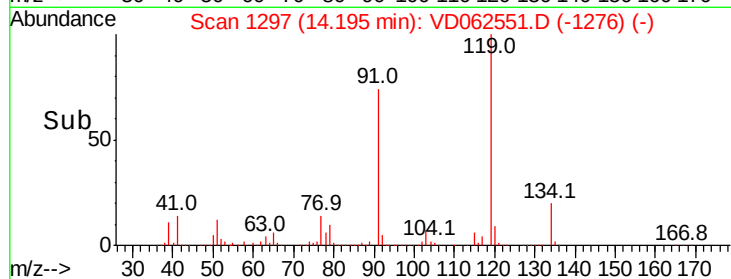
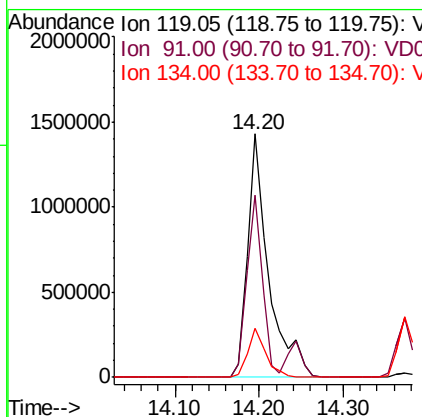
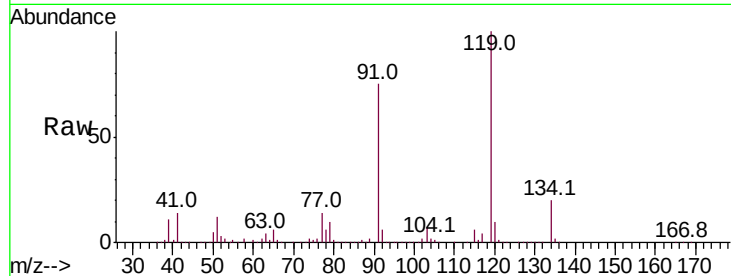




#83
 tert-Butylbenzene
 Concen: 67.665 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

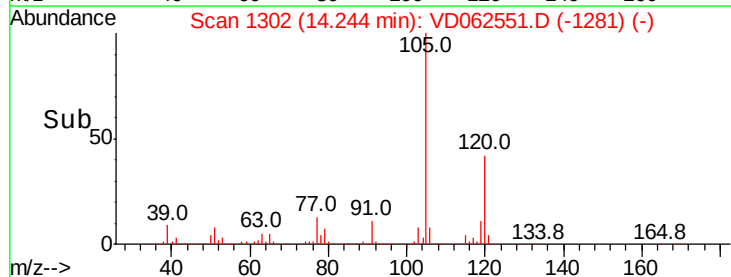
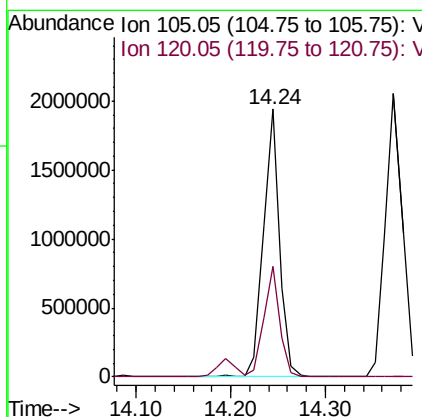
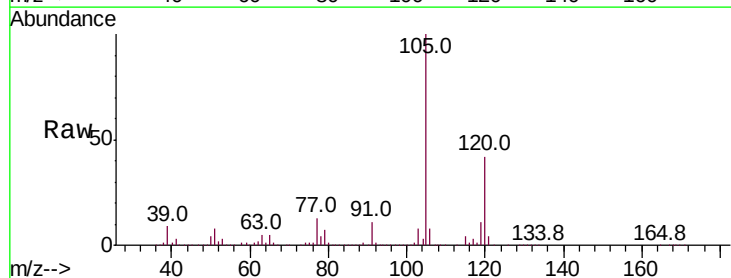
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

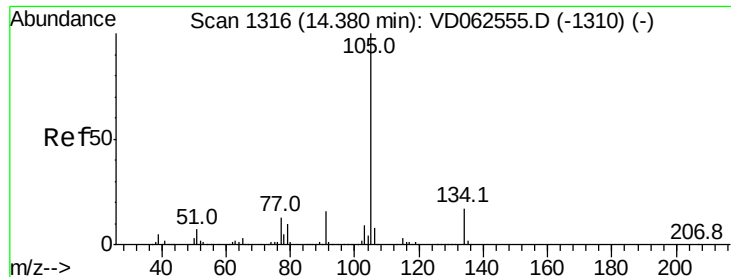
Tot Ion:119 Resp: 2494638
 Ion Ratio Lower Upper
 119 100
 91 74.6 39.1 117.5
 134 20.3 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 69.515 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion:105 Resp: 2329139
 Ion Ratio Lower Upper
 105 100
 120 41.6 19.6 58.8





#85

sec-Butylbenzene

Concen: 66.052 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

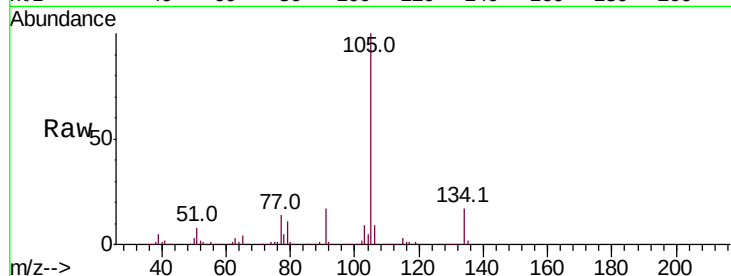
VSTDIC075

Tot Ion:105 Resp: 2597006

Ion Ratio Lower Upper

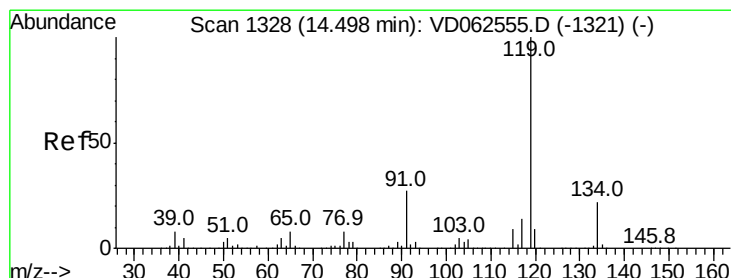
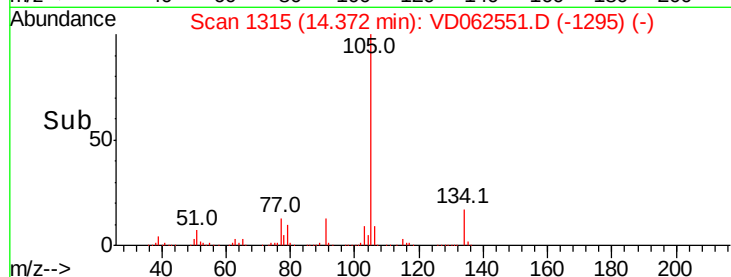
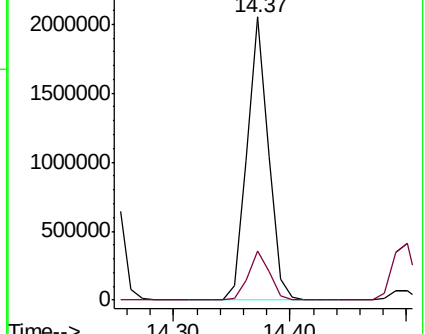
105 100

134 17.4 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 65.552 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062551.D

Acq: 30 May 2019 13:27

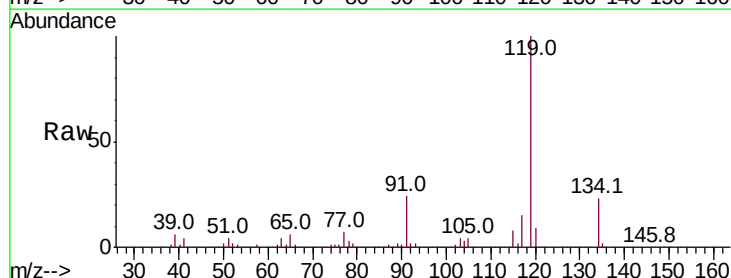
Tgt Ion:119 Resp: 2424079

Ion Ratio Lower Upper

119 100

134 23.3 11.2 33.6

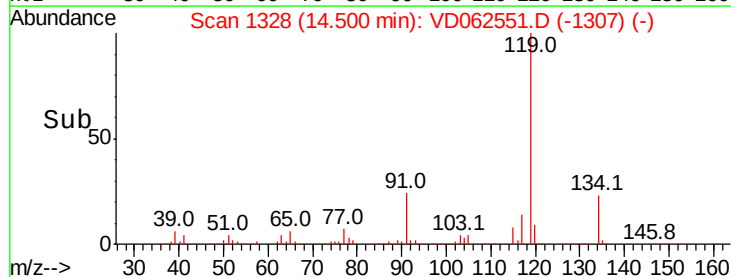
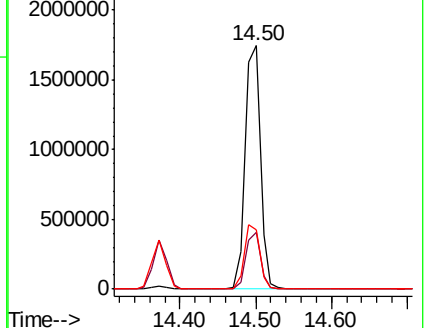
91 24.1 13.6 40.7

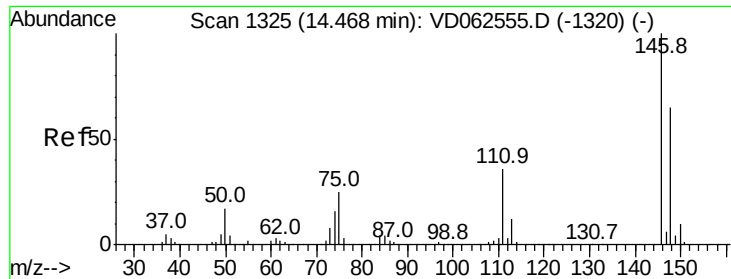


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

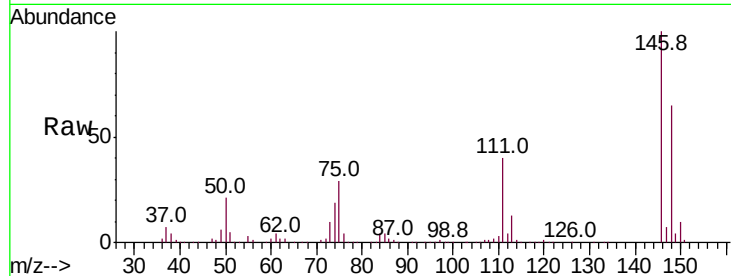




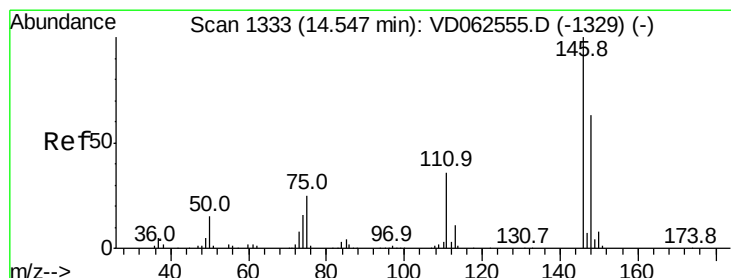
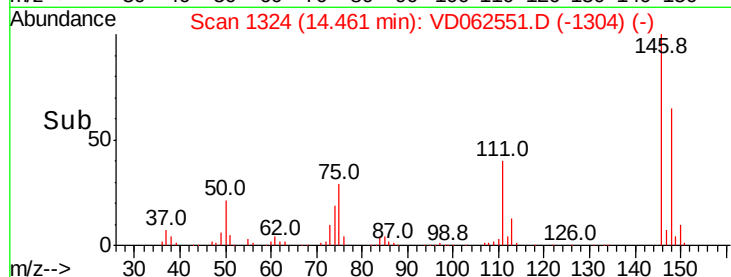
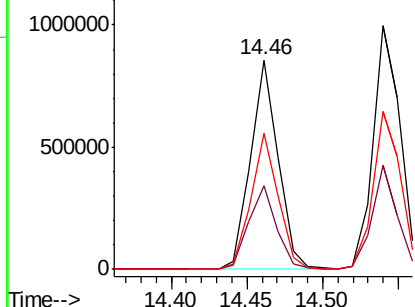
#87
 1,3-Dichlorobenzene
 Concen: 57.597 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1087386
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.1 54.4
 148 65.0 32.3 96.9

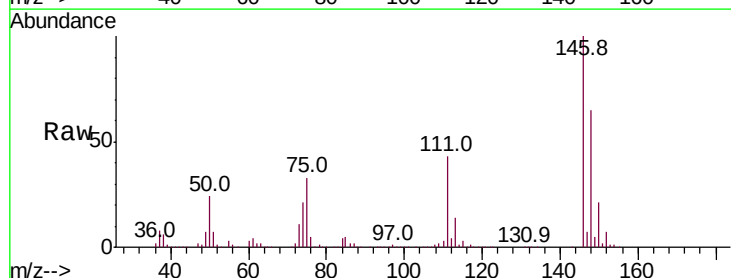


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

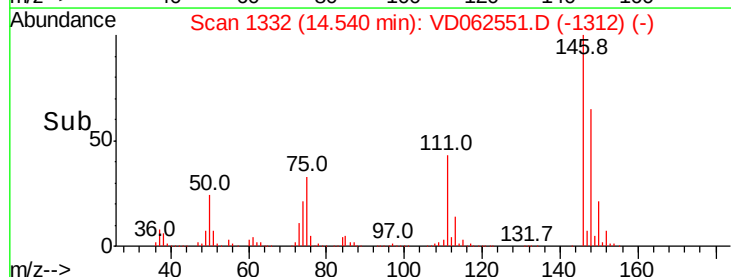
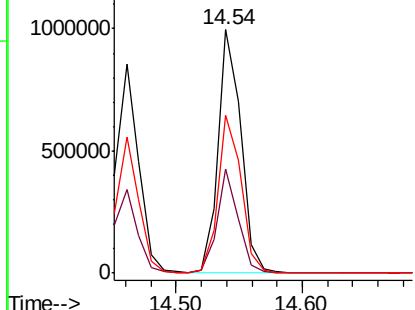


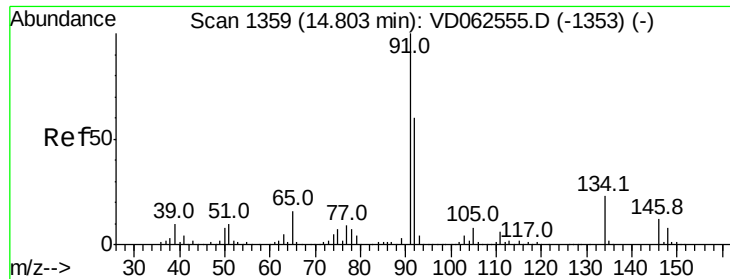
#88
 1,4-Dichlorobenzene
 Concen: 67.380 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion:146 Resp: 1247555
 Ion Ratio Lower Upper
 146 100
 111 42.7 18.2 54.6
 148 64.8 31.6 94.8



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



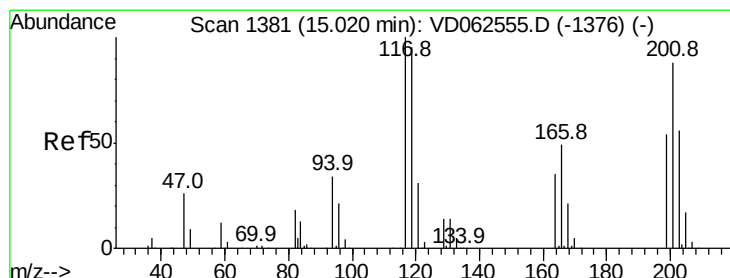
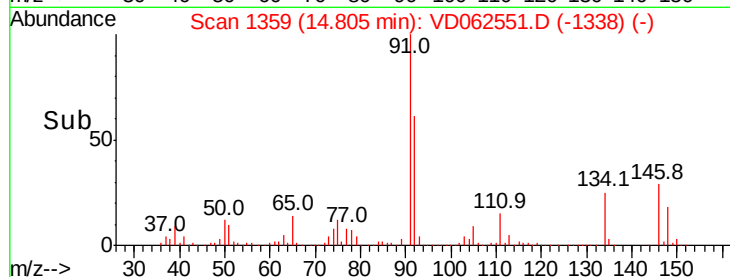
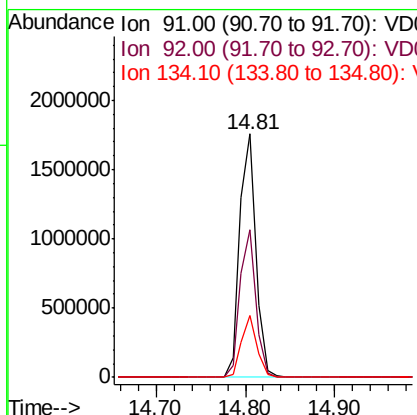
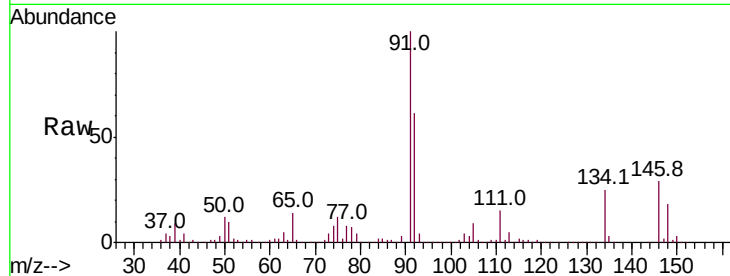


#89
 n-Butylbenzene
 Concen: 66.767 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 91 Resp: 2246603

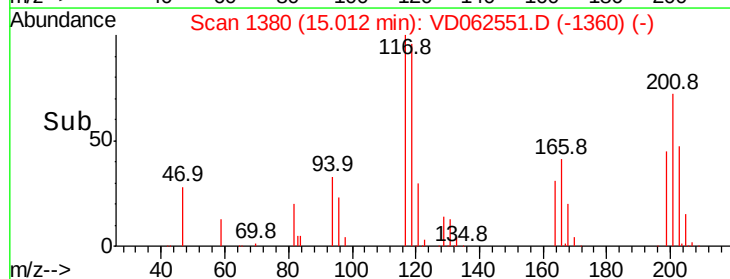
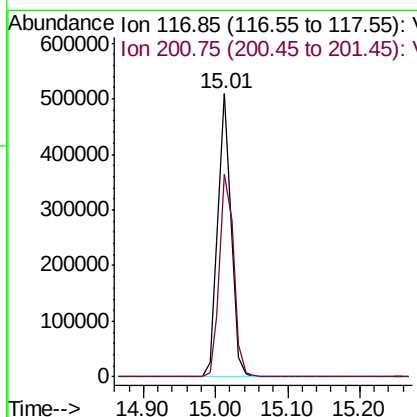
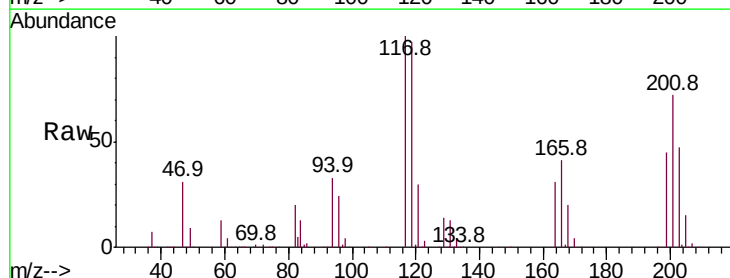
Ion	Ratio	Lower	Upper
91	100		
92	60.6	29.8	89.4
134	25.3	11.3	33.8

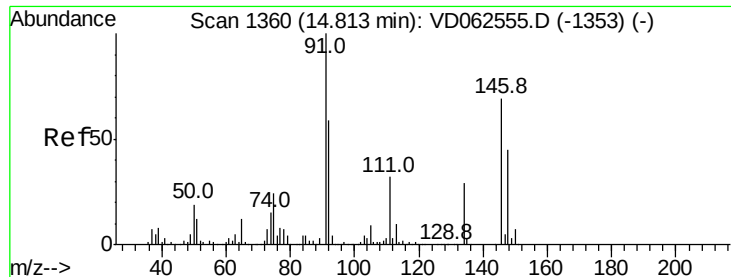


#90
 Hexachloroethane
 Concen: 64.558 ug/l
 RT: 15.01 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion: 117 Resp: 637999

Ion	Ratio	Lower	Upper
117	100		
201	71.6	43.8	131.4



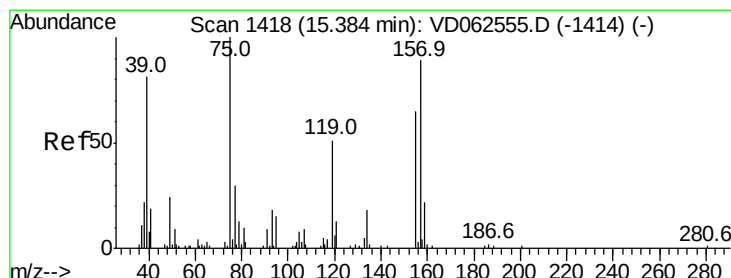
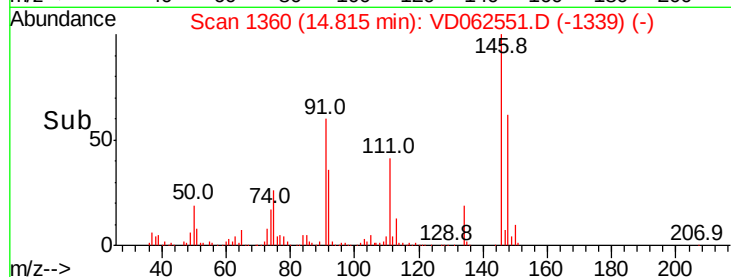
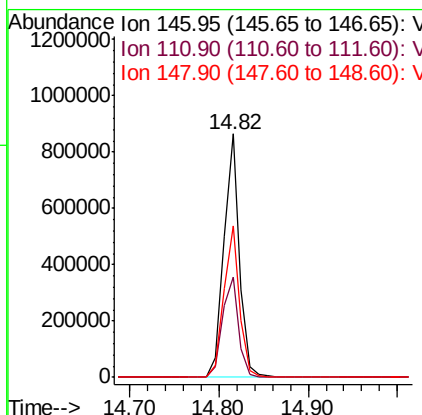
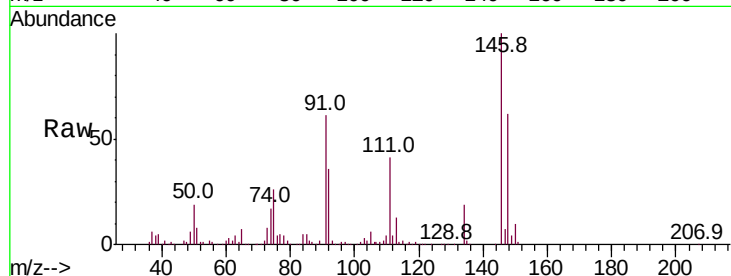


#91
 1,2-Dichlorobenzene
 Concen: 66.057 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1062419

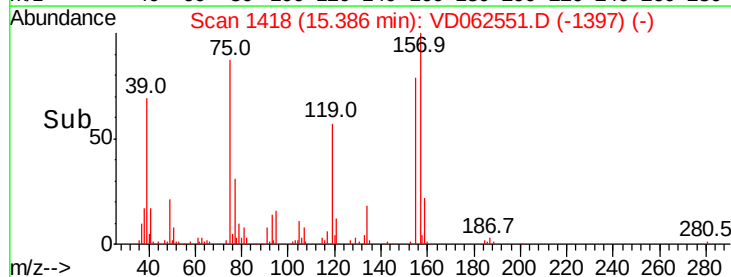
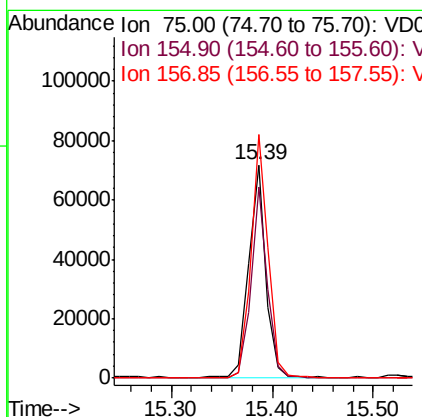
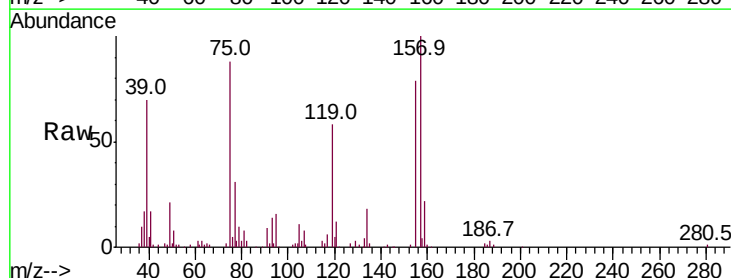
Ion	Ratio	Lower	Upper
146	100		
111	41.4	22.8	68.4
148	62.4	32.3	96.9

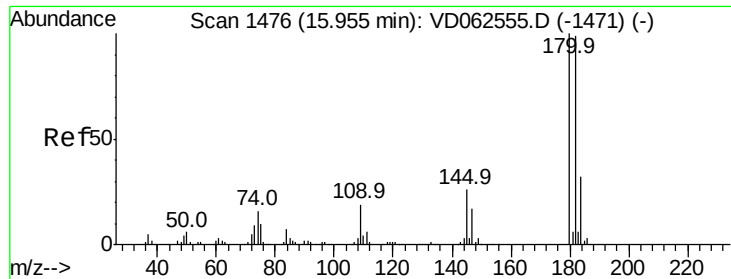


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.737 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion: 75 Resp: 85736

Ion	Ratio	Lower	Upper
75	100		
155	89.7	32.6	97.8
157	114.2	44.5	133.7

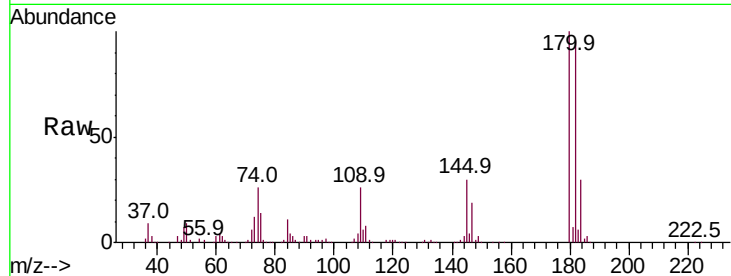




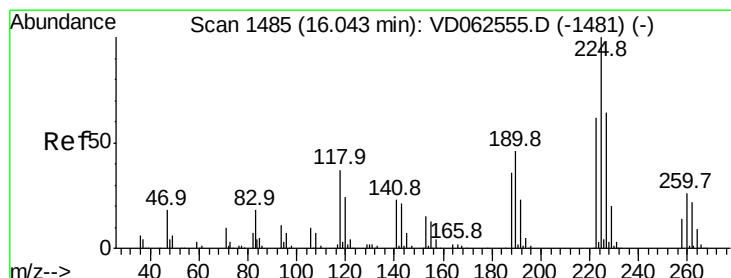
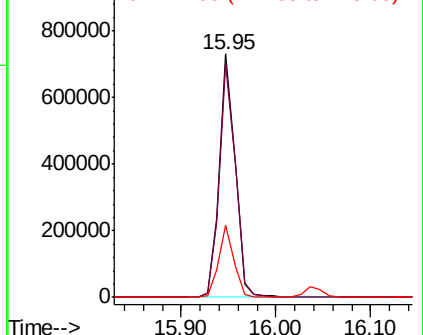
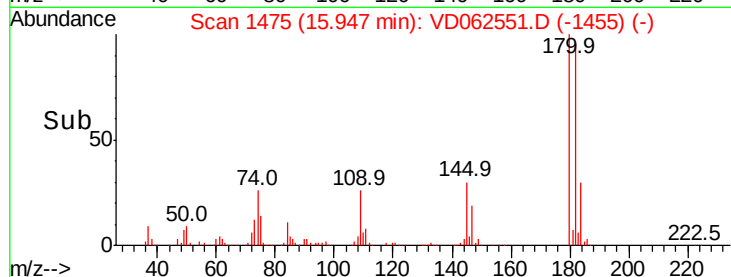
#93
 1,2,4-Trichlorobenzene
 Concen: 68.405 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	49.5	148.3
145	29.5	13.1	39.3

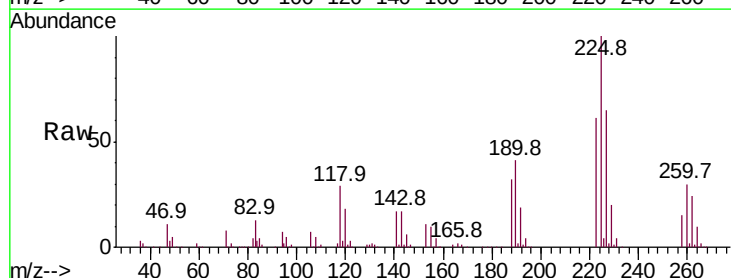


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

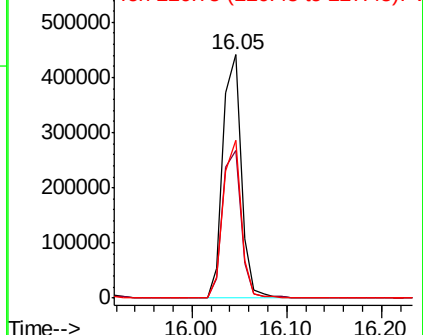
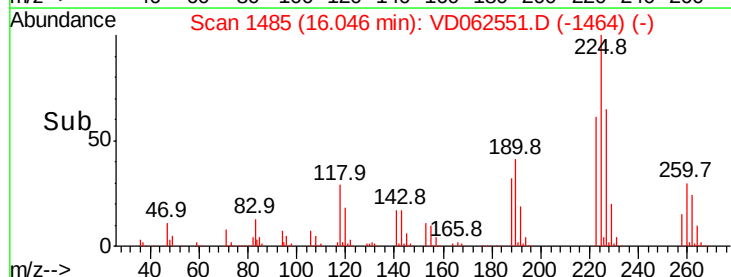


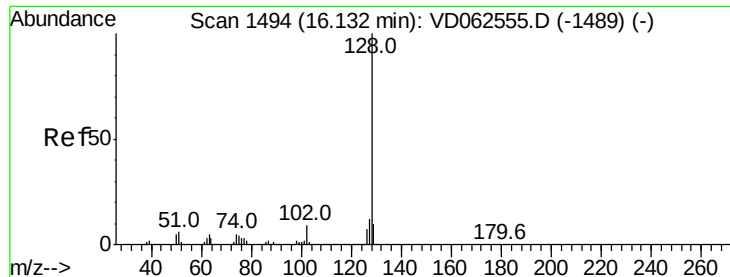
#94
 Hexachlorobutadiene
 Concen: 65.639 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062551.D
 Acq: 30 May 2019 13:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.5
227	64.8	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

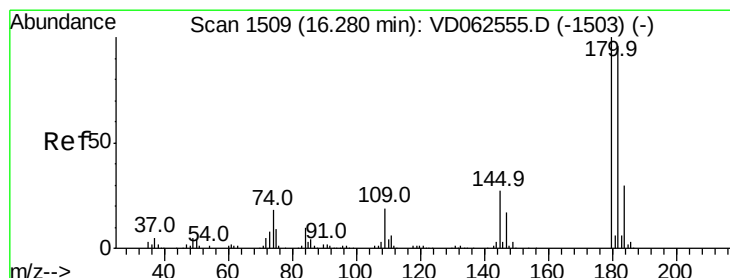
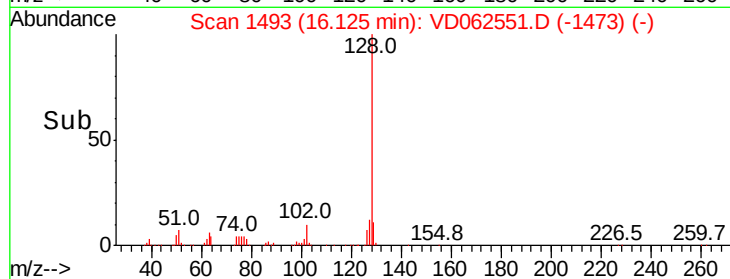
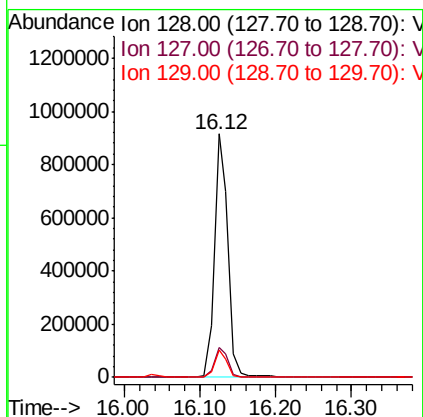
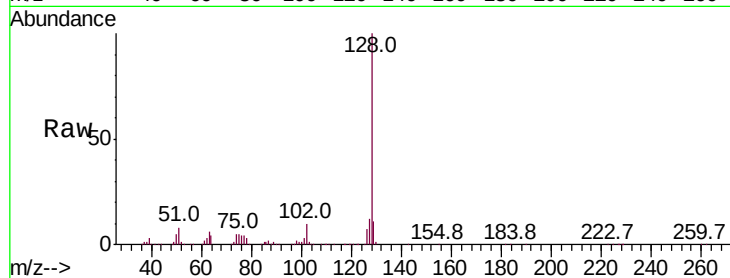




#95
Naphthalene
Concen: 66.085 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1158641
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 11.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 68.737 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062551.D
Acq: 30 May 2019 13:27

Tgt Ion:180 Resp: 643696
Ion Ratio Lower Upper
180 100
182 95.4 48.1 144.3
145 30.8 13.3 39.9

