

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050719\
 Data File : VD062138.D
 Acq On : 7 May 2019 12:35
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: May 07 13:45:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	903065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1260253	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1063224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	550846	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	173539	20.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.36%	
35) Dibromofluoromethane	6.91	113	212492	18.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	37.28%	
50) Toluene-d8	10.39	98	489832	17.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.02%	
62) 4-Bromofluorobenzene	13.55	95	192554	17.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	171750	19.657	ug/l	95
3) Chloromethane	1.74	50	125492	21.029	ug/l	95
4) Vinyl Chloride	1.84	62	120982	18.903	ug/l	98
5) Bromomethane	2.14	94	25350	16.536	ug/l	92
6) Chloroethane	2.24	64	32213	11.468	ug/l	91
7) Trichlorofluoromethane	2.51	101	242702	20.013	ug/l	98
8) Diethyl Ether	2.85	74	44149	18.903	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.13	101	182049	19.366	ug/l	96
10) Methyl Iodide	3.29	142	258045	18.621	ug/l	95
11) Tert butyl alcohol	4.05	59	42131	101.433	ug/l	97
12) 1,1-Dichloroethene	3.11	96	132203	17.651	ug/l	94
13) Acrolein	3.01	56	48787	114.771	ug/l	100
14) Allyl chloride	3.60	41	190524	18.219	ug/l	87
15) Acrylonitrile	4.17	53	111130	100.347	ug/l	94
16) Acetone	3.21	43	166316	92.098	ug/l #	84
17) Carbon Disulfide	3.36	76	363972	17.739	ug/l	100
18) Methyl Acetate	3.62	43	60652	19.814	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	288643	19.348	ug/l	94
20) Methylene Chloride	3.80	84	136964	19.180	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	140705	17.280	ug/l	98
22) Diisopropyl ether	5.10	45	391528	18.327	ug/l	96
23) Vinyl Acetate	5.03	43	1085149	92.863	ug/l	98
24) 1,1-Dichloroethane	4.96	63	248809	19.829	ug/l	99
25) 2-Butanone	6.05	43	185747	100.638	ug/l	98
26) 2,2-Dichloropropane	5.99	77	242899	19.544	ug/l	92
27) cis-1,2-Dichloroethene	6.02	96	153688	18.303	ug/l	93
28) Bromochloromethane	6.42	49	101433	20.318	ug/l	91
29) Tetrahydrofuran	6.44	42	88635	107.557	ug/l	95
30) Chloroform	6.64	83	298629	19.263	ug/l	97
31) Cyclohexane	6.94	56	168553	18.596	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	295743	19.710	ug/l	98
36) 1,1-Dichloropropene	7.13	75	210194	20.007	ug/l	96
37) Ethyl Acetate	6.16	43	91473	20.083	ug/l #	90
38) Carbon Tetrachloride	7.10	117	283362	19.023	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	194811	18.446	ug/l	95
40) Benzene	7.44	78	461987	19.391	ug/l	97
41) Methacrylonitrile	6.43	41	108376	20.254	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	194200	19.110	ug/l	97
43) Isopropyl Acetate	9.22	43	123765	19.528	ug/l	98
44) Trichloroethene	8.52	130	166042	17.727	ug/l	91
45) 1,2-Dichloropropane	8.93	63	108634	18.419	ug/l	91
46) Dibromomethane	9.04	93	91631	18.933	ug/l	88
47) Bromodichloromethane	9.36	83	227535	19.256	ug/l	98
48) Methyl methacrylate	9.10	41	78142	20.464	ug/l	85
49) 1,4-Dioxane	9.06	88	16445	395.679	ug/l #	92
51) 4-Methyl-2-Pentanone	10.28	43	417795	105.798	ug/l	95
52) Toluene	10.49	92	295770	18.863	ug/l	97
53) t-1,3-Dichloropropene	10.89	75	198335	19.152	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	216237	18.609	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	101226	17.593	ug/l	97
56) Ethyl methacrylate	11.03	69	106599	17.783	ug/l #	90
57) 1,3-Dichloropropane	11.40	76	168152	18.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	309426	96.683	ug/l	97
59) 2-Hexanone	11.52	43	311878	105.087	ug/l	97
60) Dibromochloromethane	11.67	129	186868	19.241	ug/l	99
61) 1,2-Dibromoethane	11.79	107	129977	19.656	ug/l	96
64) Tetrachloroethene	11.24	164	155818	18.014	ug/l	95
65) Chlorobenzene	12.39	112	405362	20.771	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	172895	18.725	ug/l	97
67) Ethyl Benzene	12.51	91	679138	19.351	ug/l	93
68) m/p-Xylenes	12.66	106	469443	35.560	ug/l	95
69) o-Xylene	13.04	106	219697	18.540	ug/l	92
70) Styrene	13.07	104	379070	19.567	ug/l	99
71) Bromoform	13.23	173	116713	18.222	ug/l #	97
73) Isopropylbenzene	13.39	105	670223	20.396	ug/l	98
74) N-amyl acetate	13.26	43	169144	19.924	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	120294	20.422	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	132372	21.772	ug/l	100
77) Bromobenzene	13.66	156	187906	21.963	ug/l	89
78) n-propylbenzene	13.77	91	763347	20.519	ug/l	97
79) 2-Chlorotoluene	13.84	91	438141	19.944	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	531120	19.704	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.46	75	35824	18.903	ug/l #	80
82) 4-Chlorotoluene	13.95	91	513225	19.788	ug/l	93
83) tert-Butylbenzene	14.18	119	637167	20.383	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	569261	20.964	ug/l	92
85) sec-Butylbenzene	14.36	105	728155	21.762	ug/l	96
86) p-Isopropyltoluene	14.49	119	618698	19.385	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	319026	19.375	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	337804	21.636	ug/l	96
89) n-Butylbenzene	14.79	91	519632	20.108	ug/l	94
90) Hexachloroethane	15.00	117	166128	19.973	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	273965	21.335	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	19953	20.066	ug/l	68

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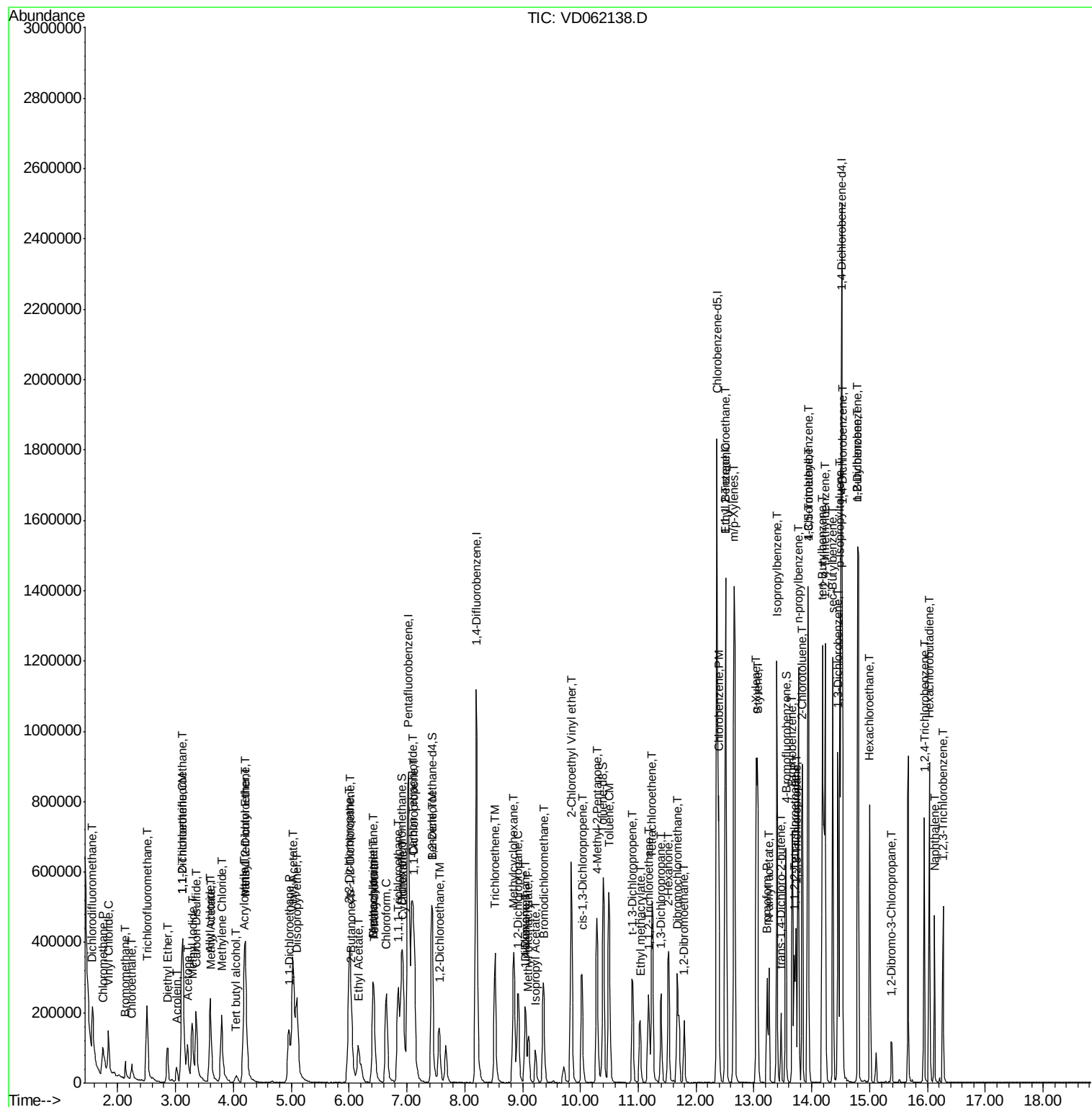
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	210656	22.506	ug/l	94
94) Hexachlorobutadiene	16.03	225	150528	20.754	ug/l	97
95) Naphthalene	16.12	128	277138	19.781	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	126392	20.460	ug/l	93

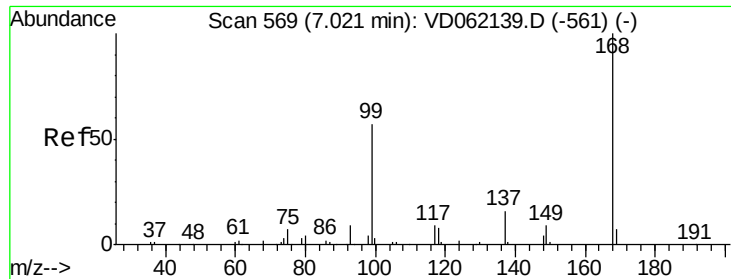
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

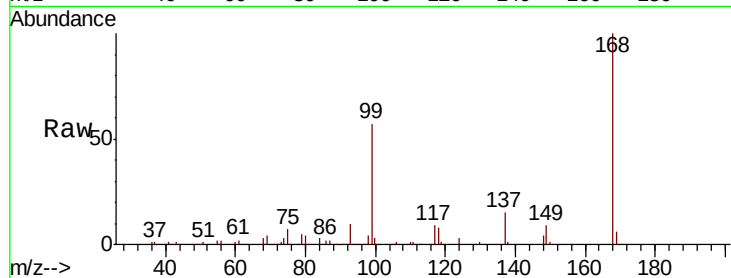
VSTDIC020

Tgt Ion:168 Resp: 903065

Ion Ratio Lower Upper

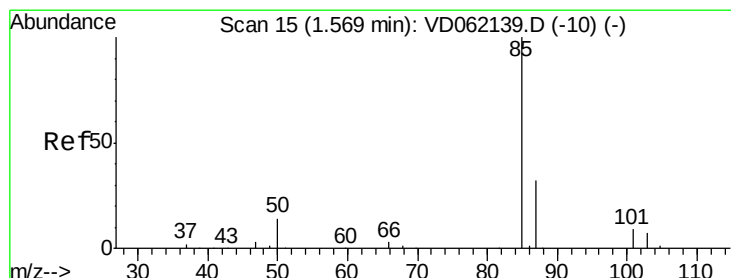
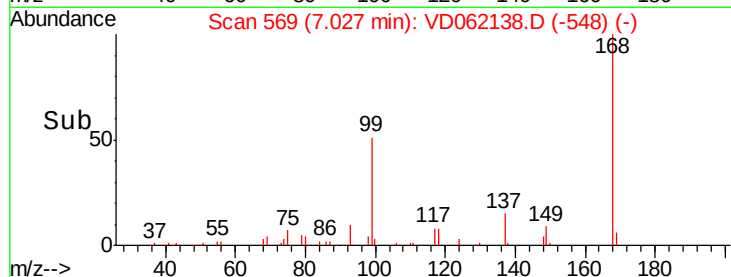
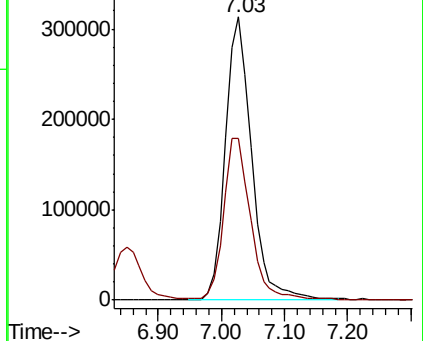
168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.657 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062138.D

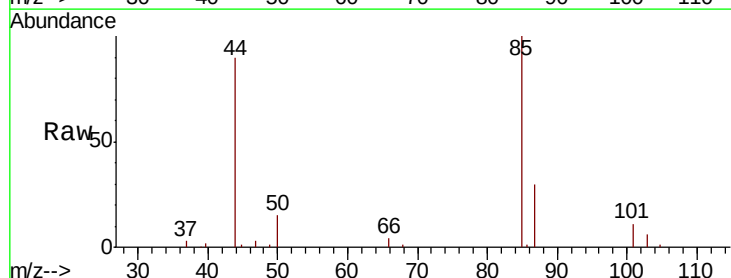
Acq: 7 May 2019 12:35

Tgt Ion: 85 Resp: 171750

Ion Ratio Lower Upper

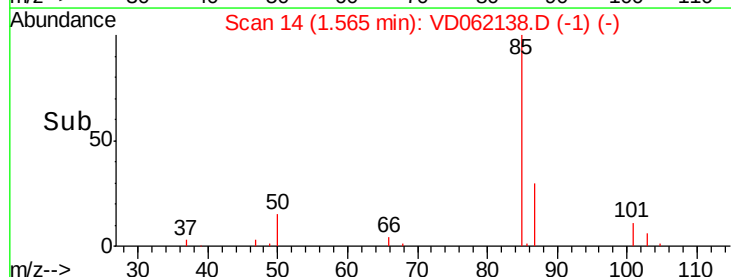
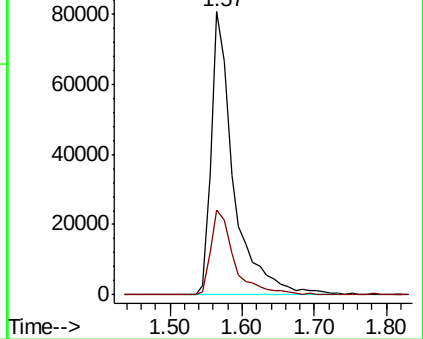
85 100

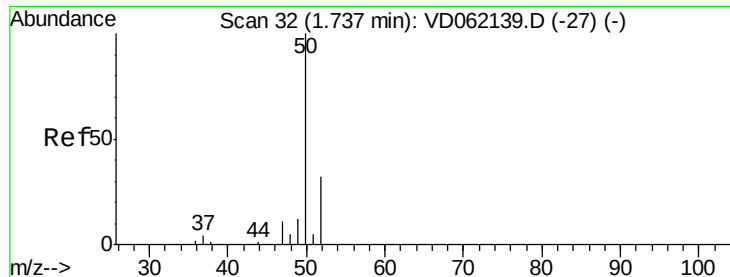
87 29.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.029 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

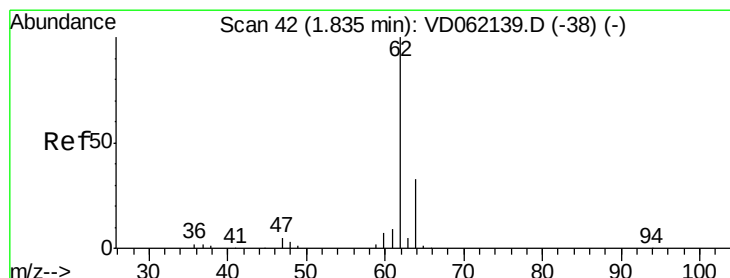
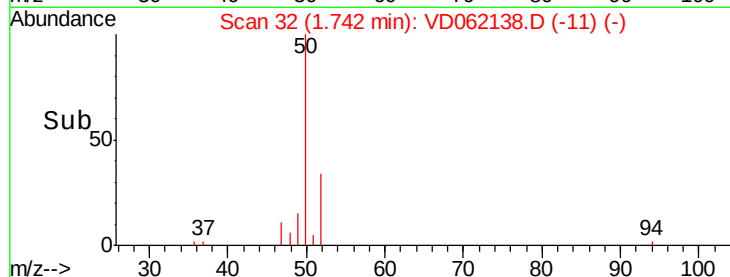
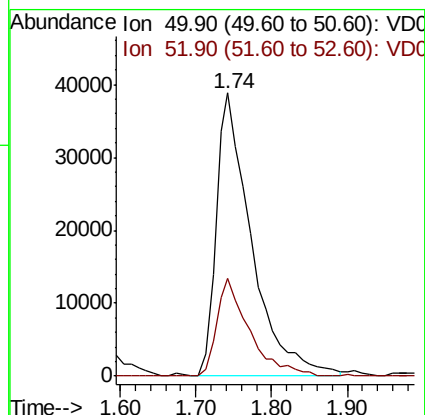
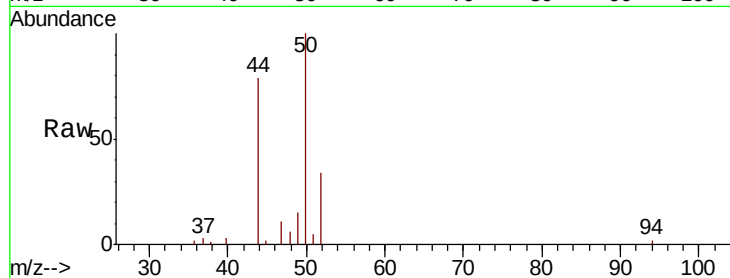
VSTDIC020

Tgt Ion: 50 Resp: 125492

Ion Ratio Lower Upper

50 100

52 34.4 25.2 37.8



#4

Vinyl Chloride

Concen: 18.903 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062138.D

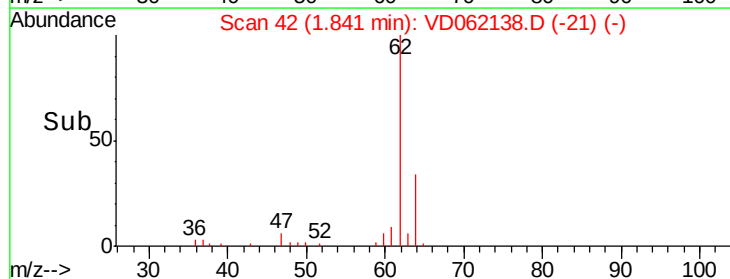
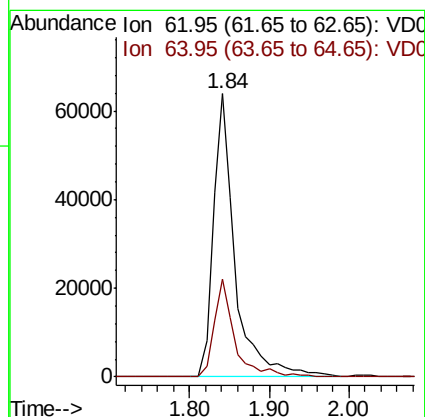
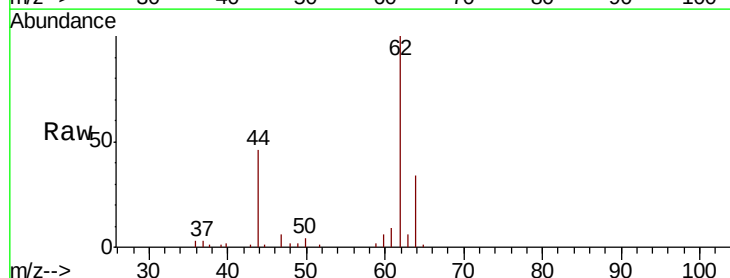
Acq: 7 May 2019 12:35

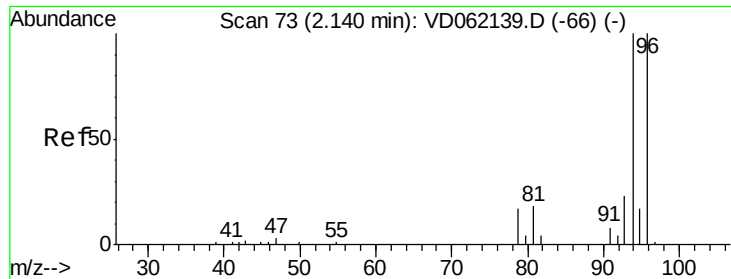
Tgt Ion: 62 Resp: 120982

Ion Ratio Lower Upper

62 100

64 34.4 26.5 39.7





#5

Bromomethane

Concen: 16.536 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

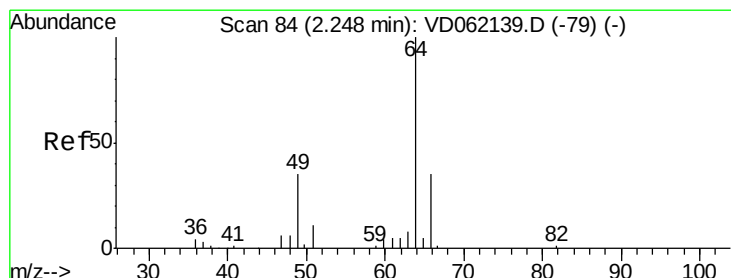
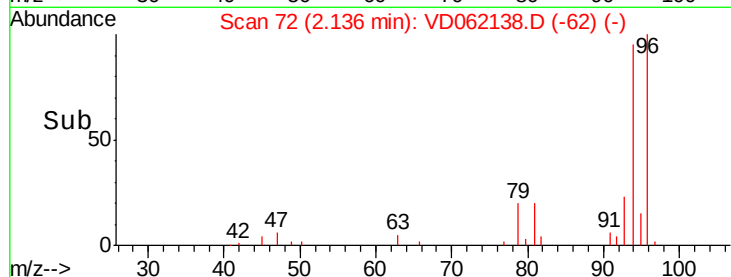
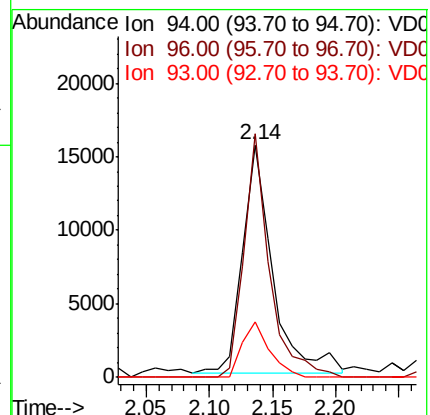
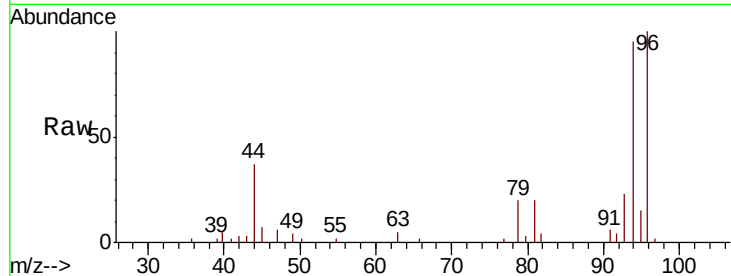
Tgt Ion: 94 Resp: 25350

Ion Ratio Lower Upper

94 100

96 104.9 76.6 115.0

93 24.1 18.5 27.7



#6

Chloroethane

Concen: 11.468 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.00 min

Lab File: VD062138.D

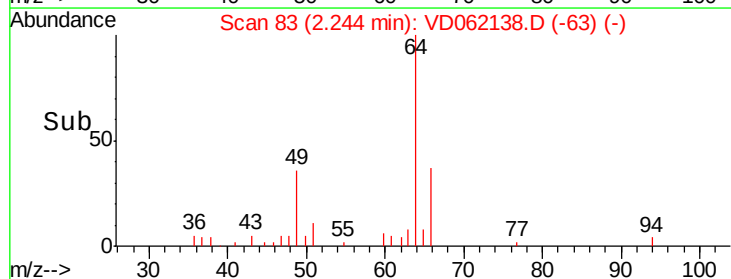
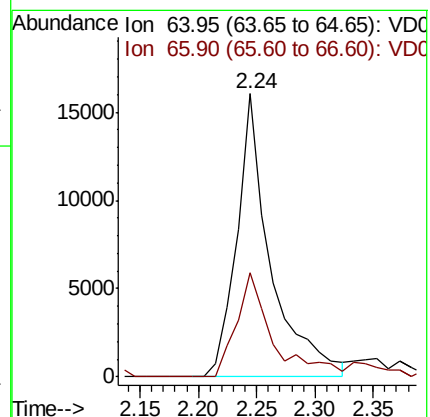
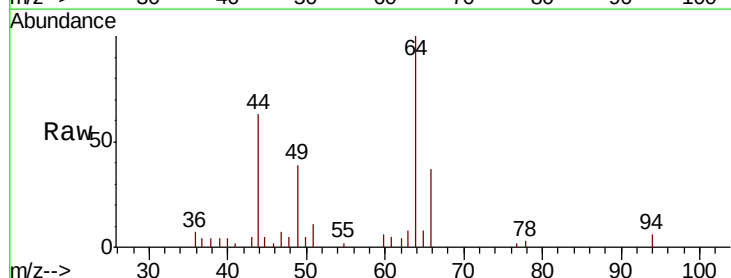
Acq: 7 May 2019 12:35

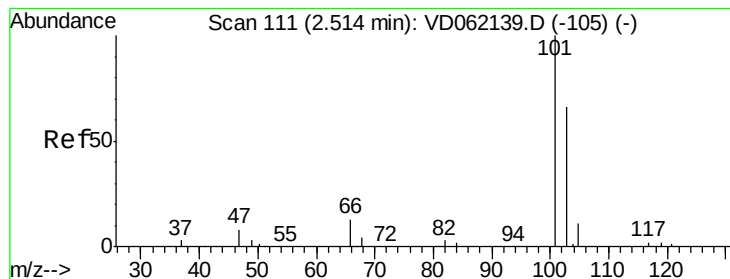
Tgt Ion: 64 Resp: 32213

Ion Ratio Lower Upper

64 100

66 36.9 25.6 38.4



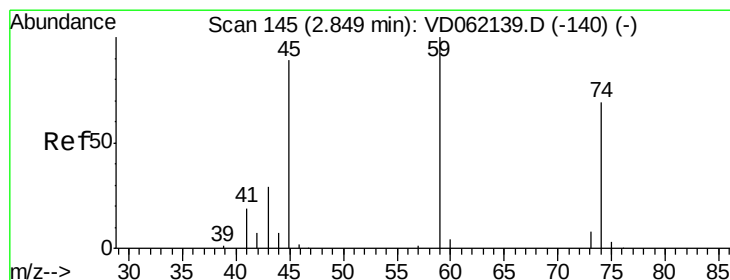
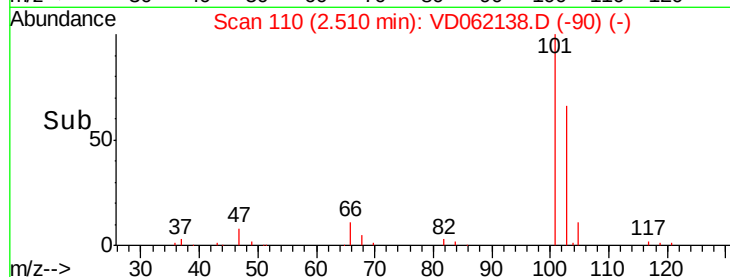
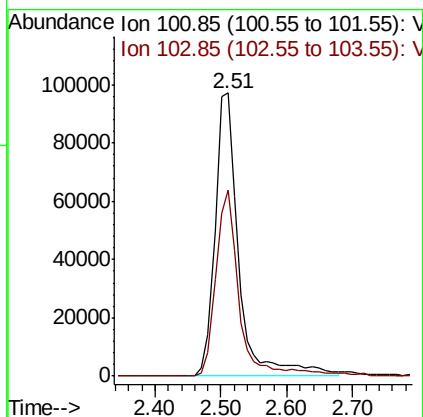
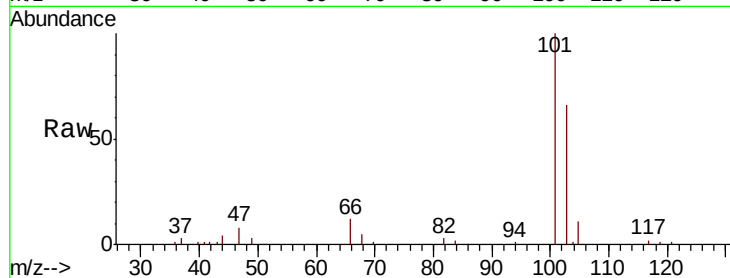


#7

Trichlorofluoromethane
Concen: 20.013 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
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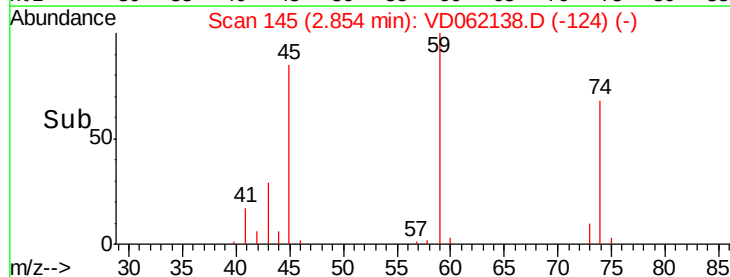
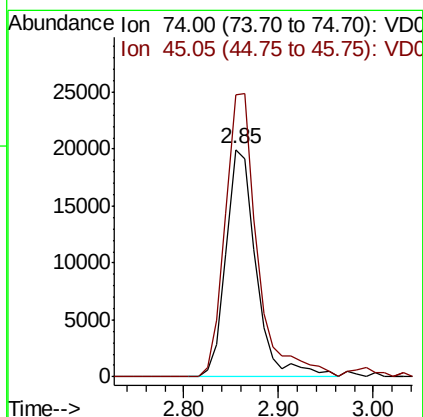
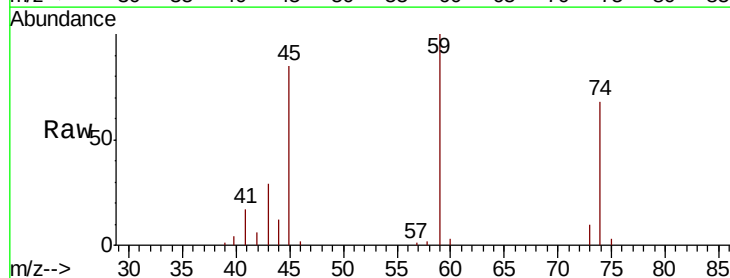
Tgt Ion: 101 Resp: 242702
Ion Ratio Lower Upper
101 100
103 65.7 53.6 80.4

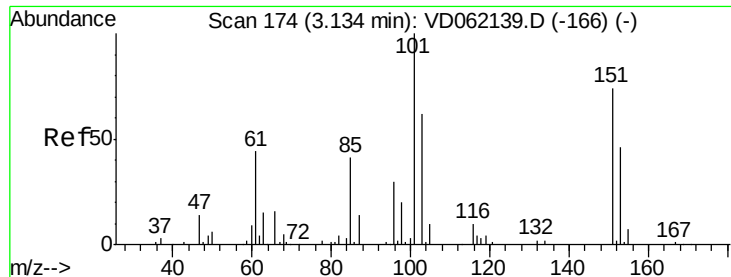


#8

Diethyl Ether
Concen: 18.903 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 74 Resp: 44149
Ion Ratio Lower Upper
74 100
45 124.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.366 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

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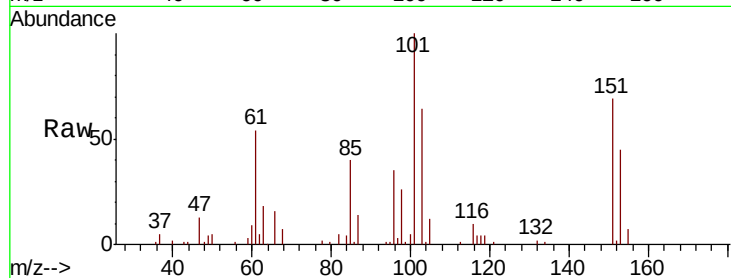
Tgt Ion:101 Resp: 182049

Ion Ratio Lower Upper

101 100

85 40.5 32.4 48.6

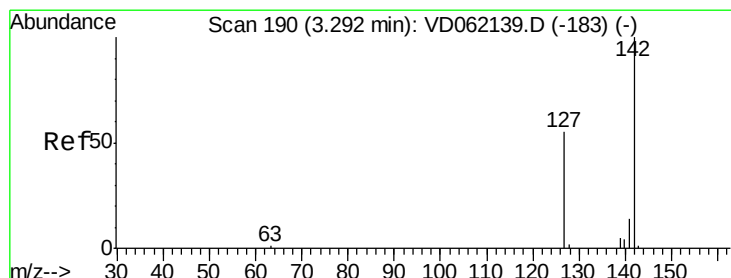
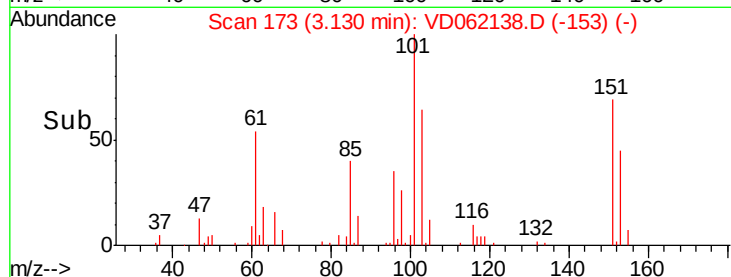
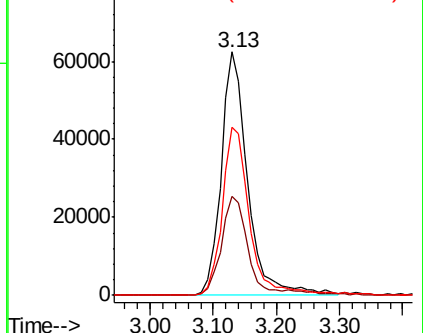
151 68.8 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.621 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

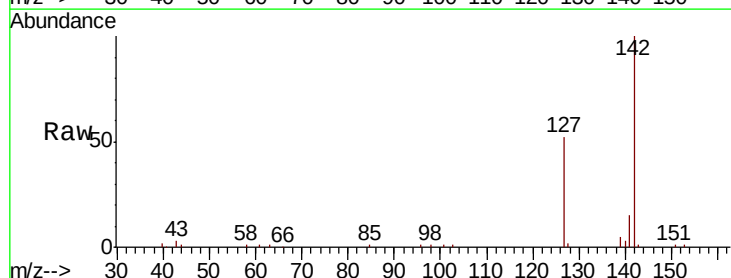
Tgt Ion:142 Resp: 258045

Ion Ratio Lower Upper

142 100

127 52.2 38.8 58.2

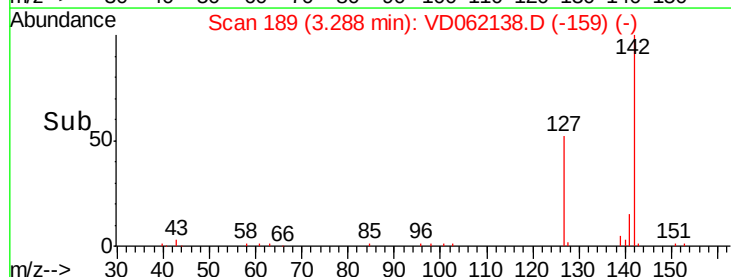
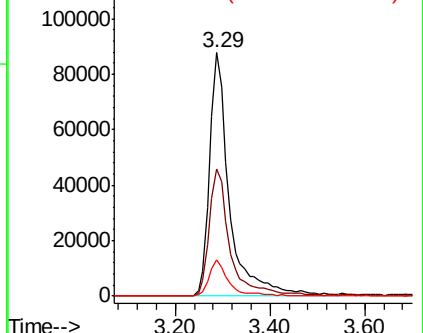
141 14.9 11.4 17.0

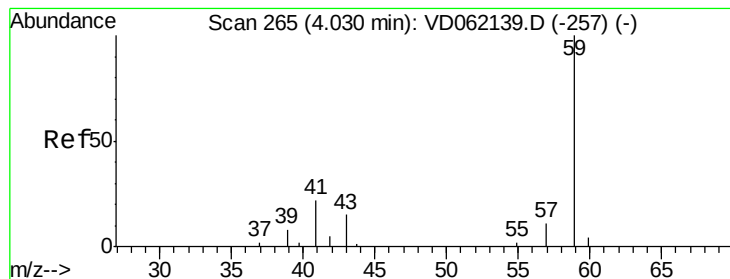


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



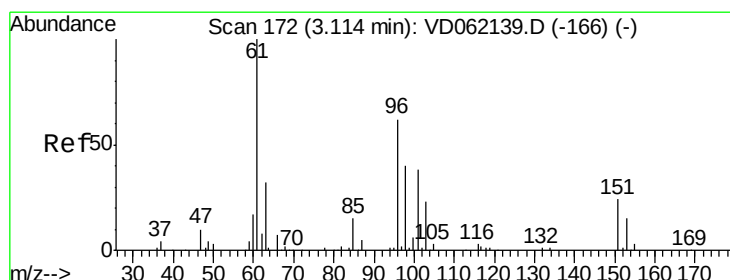
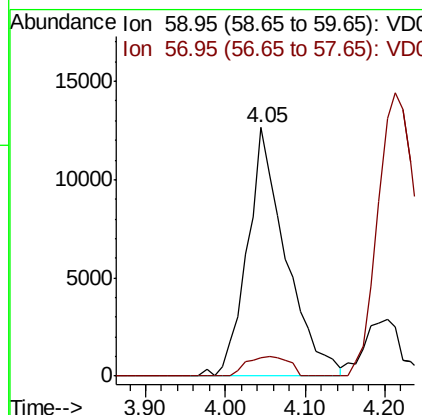
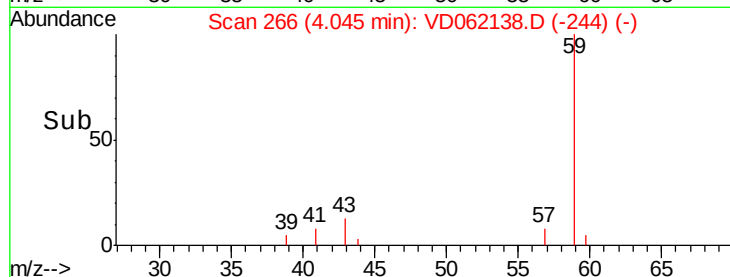
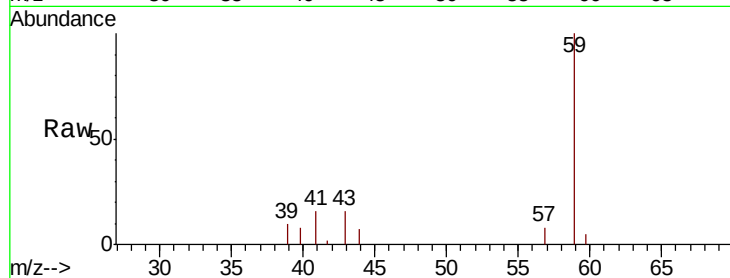


#11

Tert butyl alcohol
 Concen: 101.433 ug/l
 RT: 4.05 min Scan# 266
 Delta R.T. 0.02 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

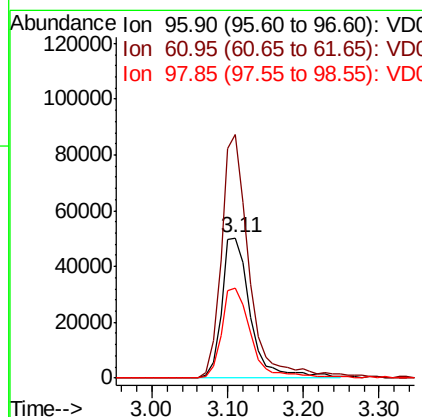
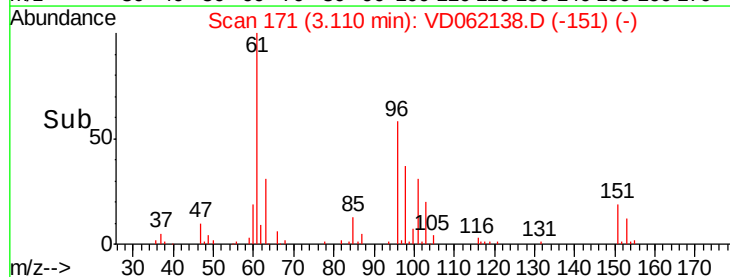
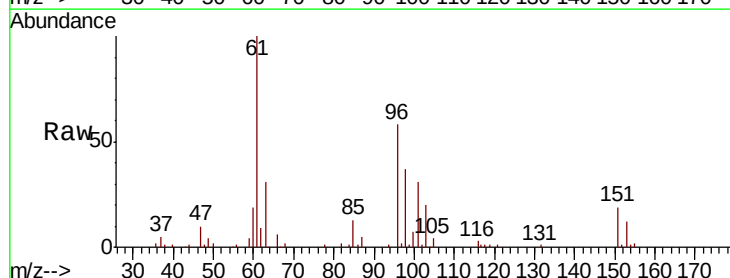
Tgt Ion: 59 Resp: 42131
 Ion Ratio Lower Upper
 59 100
 57 7.6 6.9 10.3

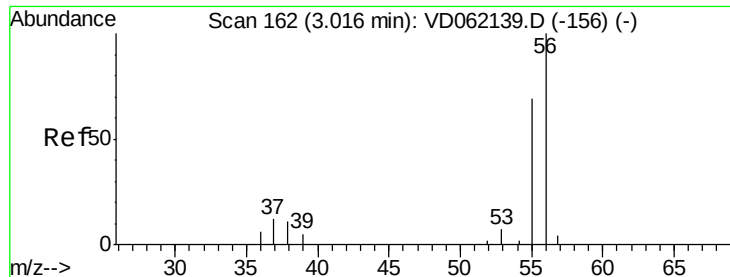


#12

1,1-Dichloroethene
 Concen: 17.651 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 96 Resp: 132203
 Ion Ratio Lower Upper
 96 100
 61 173.6 129.8 194.8
 98 64.1 51.2 76.8





#13

Acrolein

Concen: 114.771 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

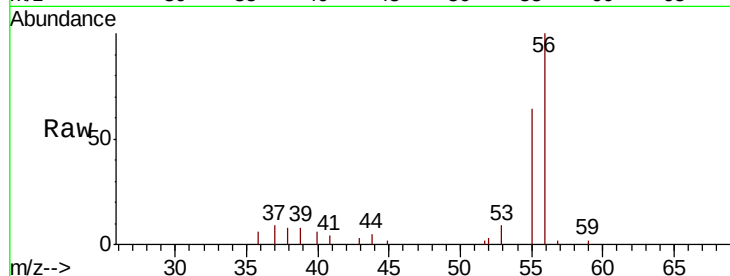
VSTDIC020

Tgt Ion: 56 Resp: 48787

Ion Ratio Lower Upper

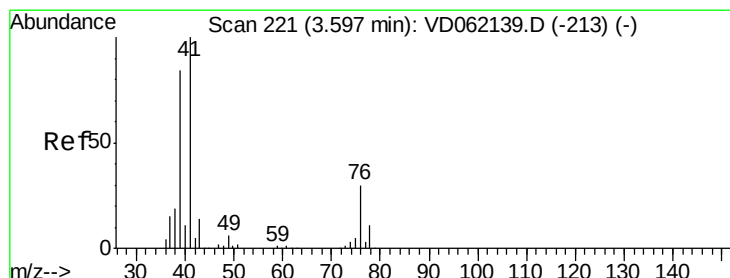
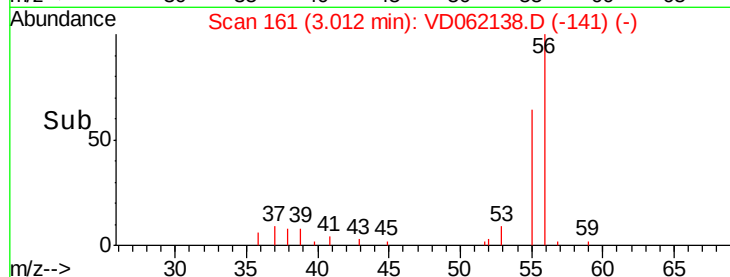
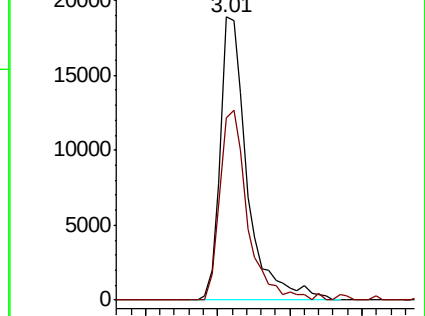
56 100

55 64.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.219 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

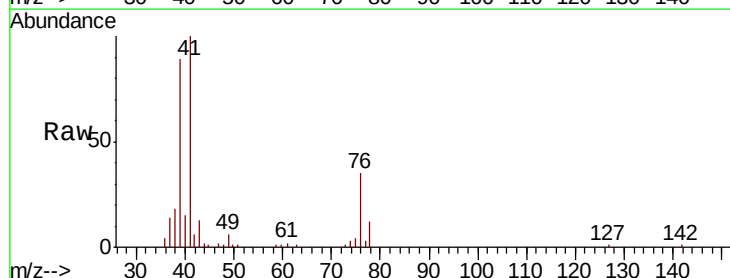
Tgt Ion: 41 Resp: 190524

Ion Ratio Lower Upper

41 100

39 88.8 60.5 90.7

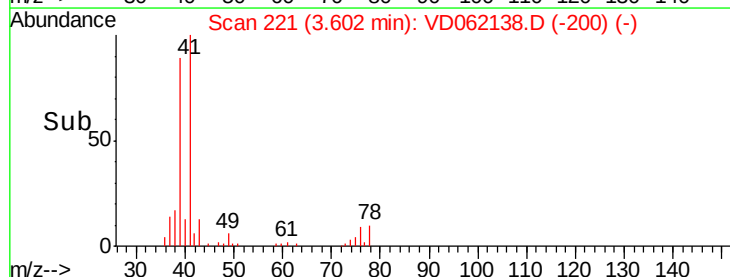
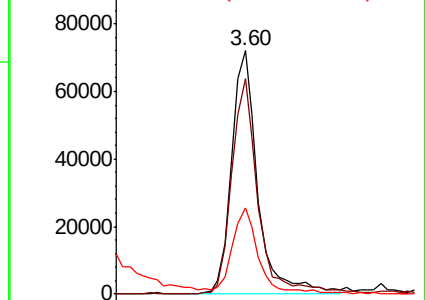
76 35.2 31.8 47.8

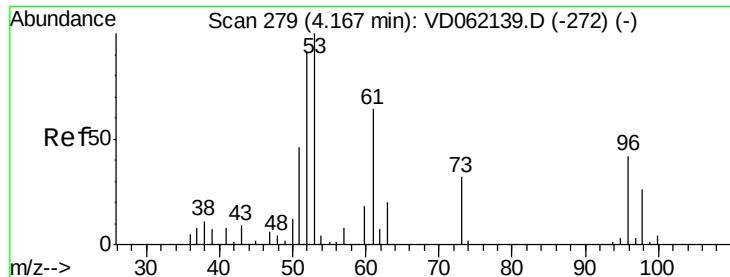


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 100.347 ug/l

RT: 4.17 min Scan# 279

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

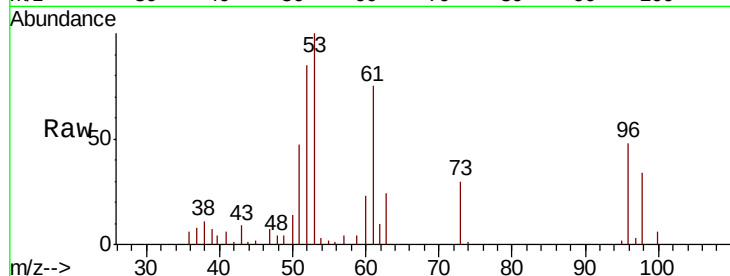
Tgt Ion: 53 Resp: 111130

Ion Ratio Lower Upper

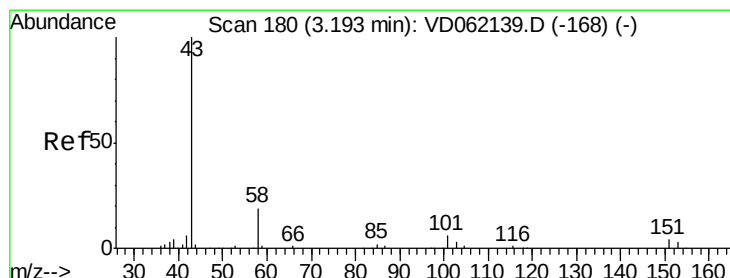
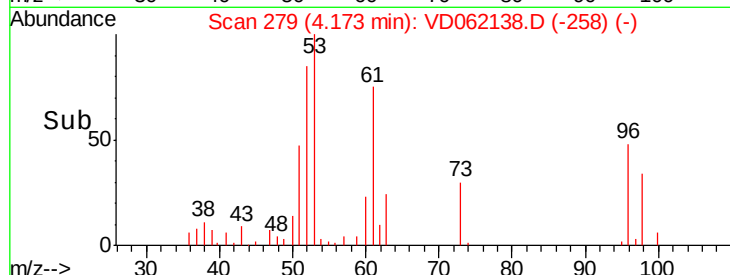
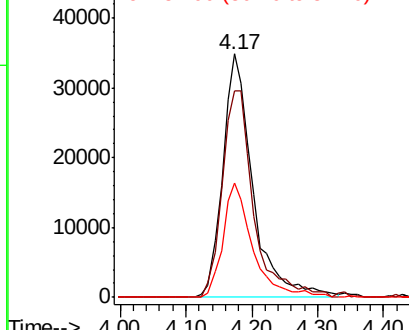
53 100

52 84.9 65.0 97.4

51 46.9 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 92.098 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD062138.D

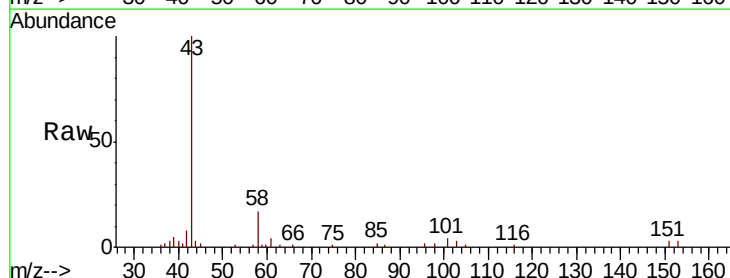
Acq: 7 May 2019 12:35

Tgt Ion: 43 Resp: 166316

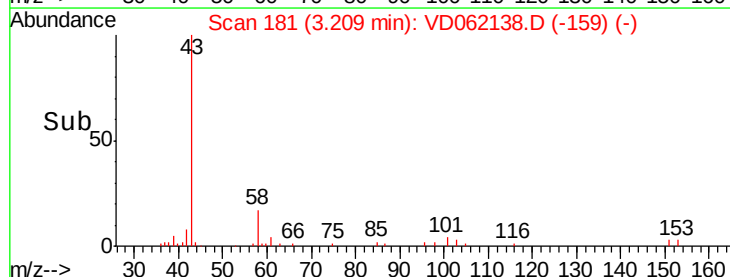
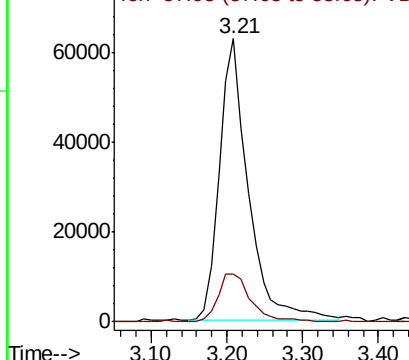
Ion Ratio Lower Upper

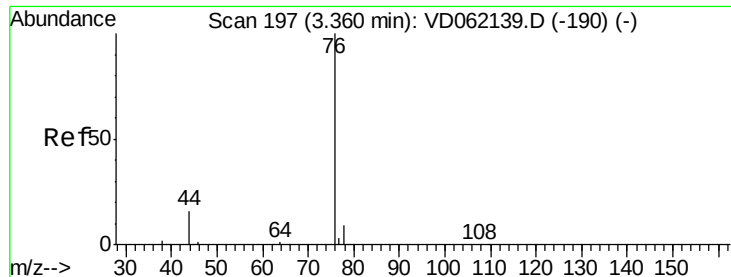
43 100

58 17.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

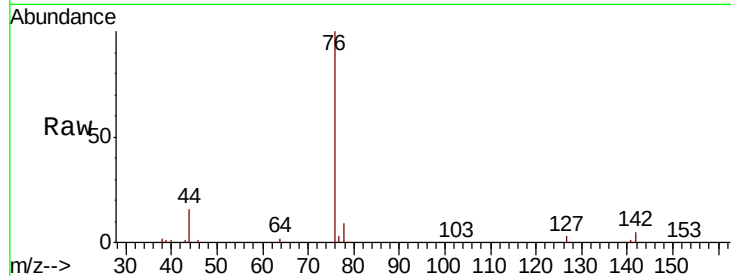




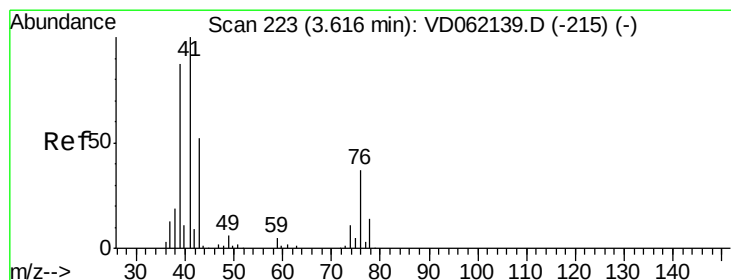
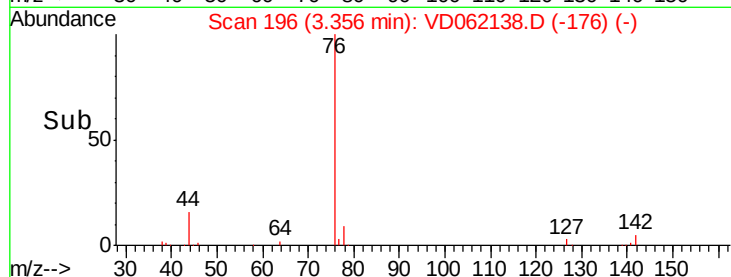
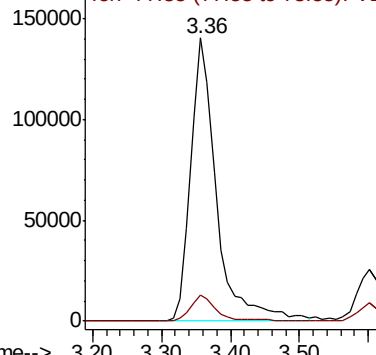
#17
Carbon Disulfide
Concen: 17.739 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 363972
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

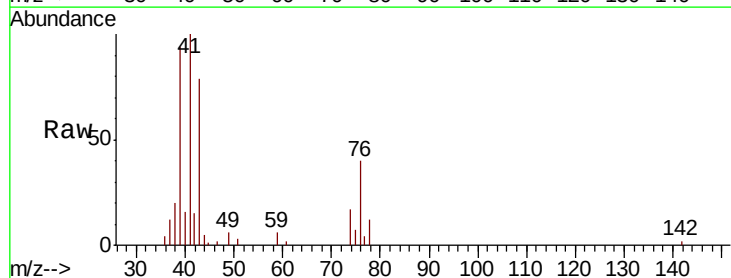


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

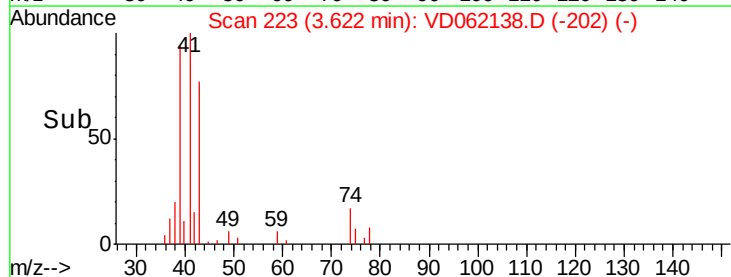
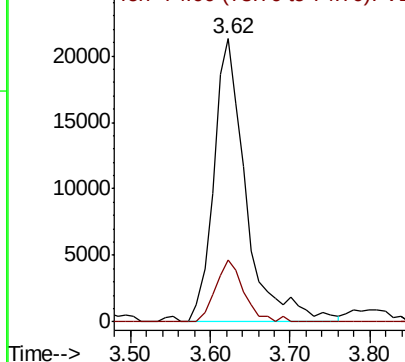


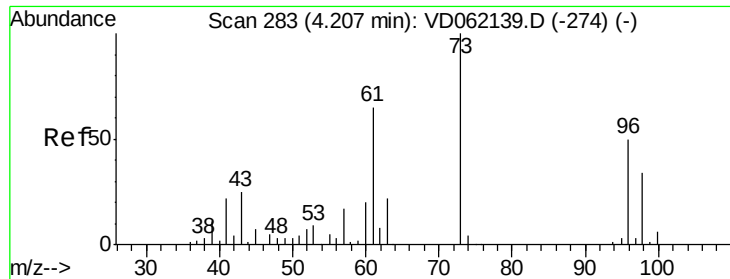
#18
Methyl Acetate
Concen: 19.814 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 43 Resp: 60652
Ion Ratio Lower Upper
43 100
74 21.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

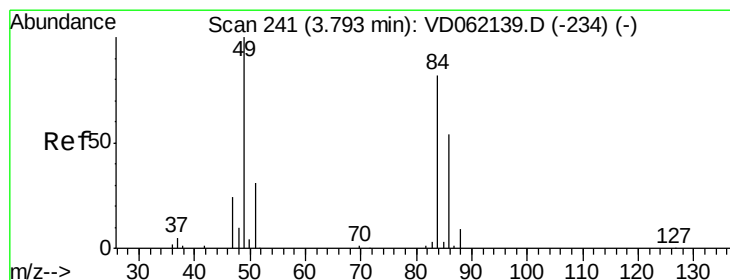
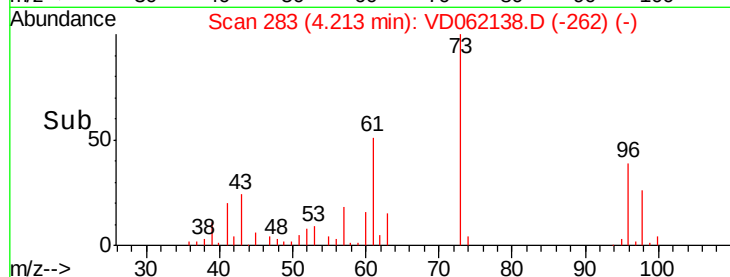
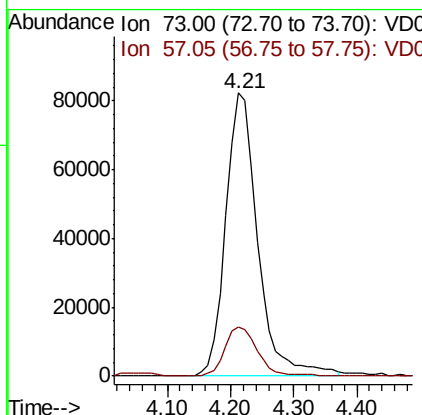
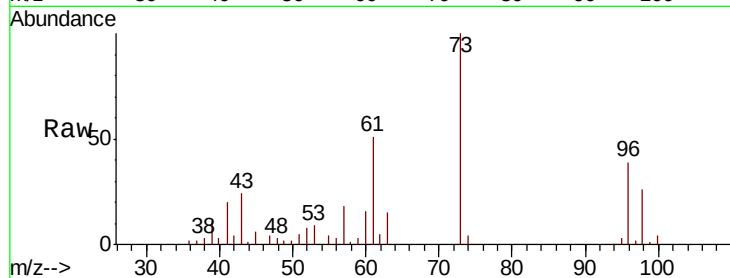




#19
Methyl tert-butyl Ether
Concen: 19.348 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

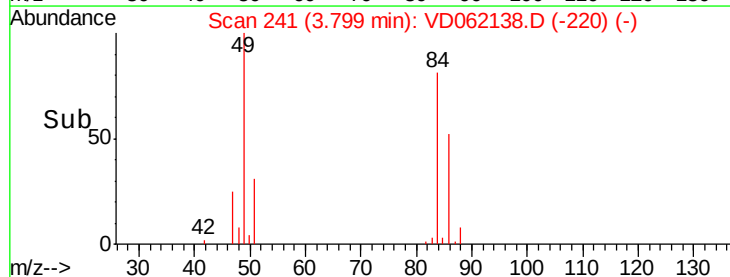
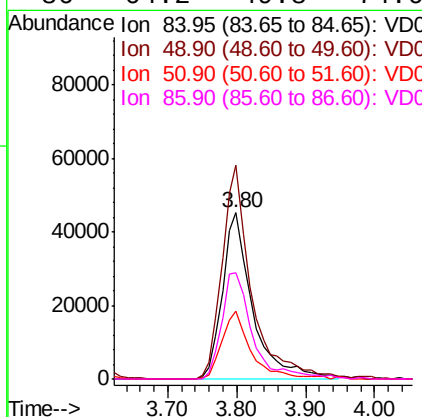
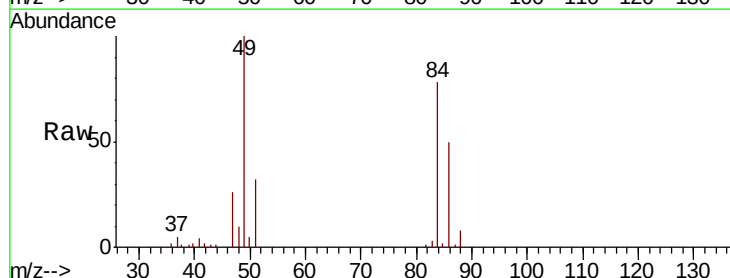
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

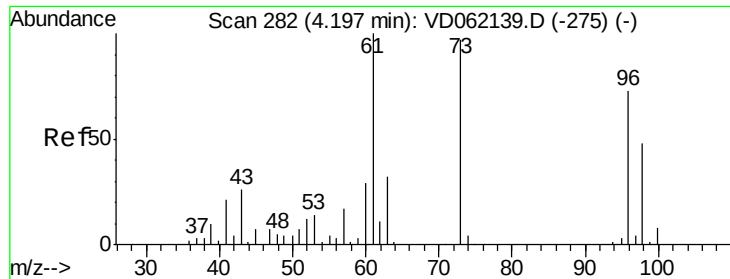
Tgt Ion: 73 Resp: 288643
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5



#20
Methylene Chloride
Concen: 19.180 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 84 Resp: 136964
Ion Ratio Lower Upper
84 100
49 128.7 94.0 141.0
51 41.0 29.0 43.4
86 64.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.280 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

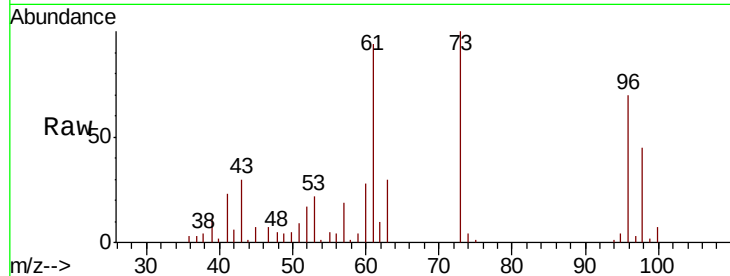
Tgt Ion: 96 Resp: 140705

Ion Ratio Lower Upper

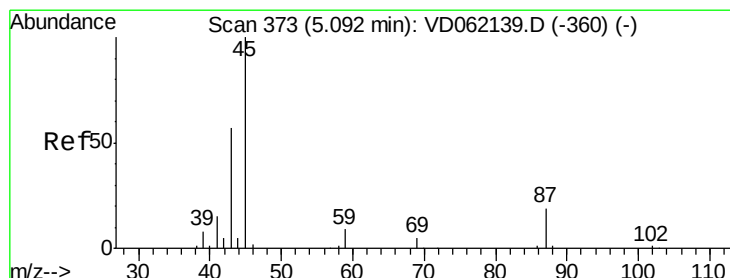
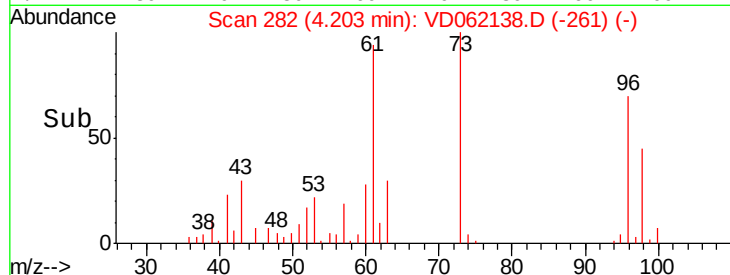
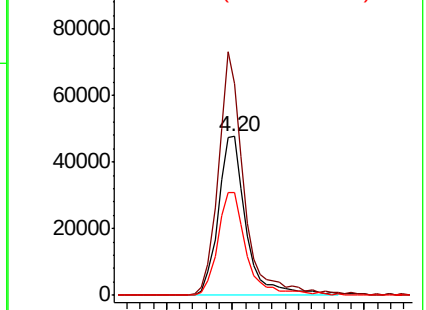
96 100

61 133.4 104.4 156.6

98 64.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 18.327 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion: 45 Resp: 391528

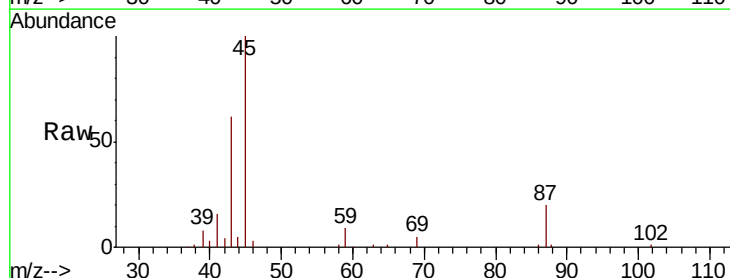
Ion Ratio Lower Upper

45 100

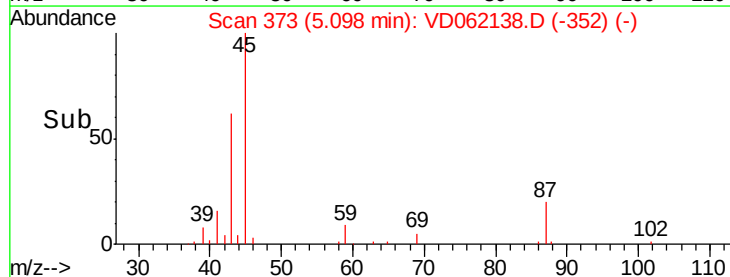
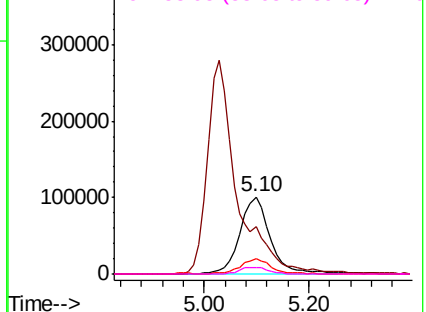
43 61.8 46.2 69.2

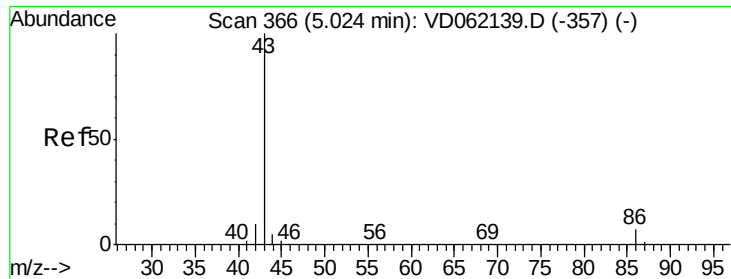
87 19.7 15.9 23.9

59 9.2 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 92.863 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

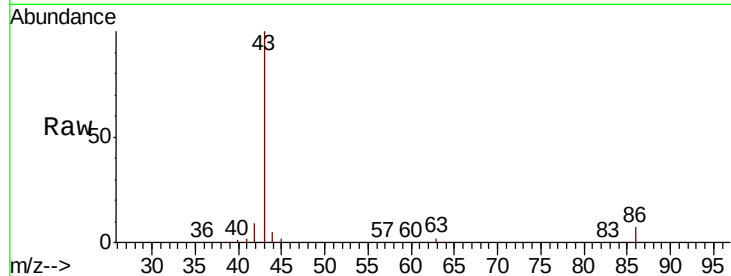
VSTDIC020

Tgt Ion: 43 Resp: 1085149

Ion Ratio Lower Upper

43 100

86 7.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.03

300000

250000

200000

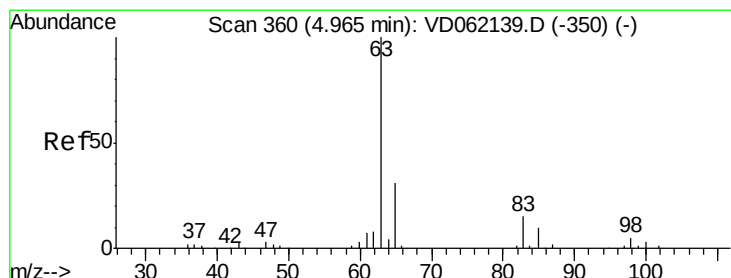
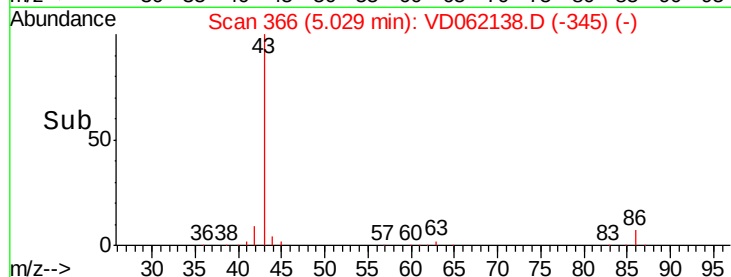
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.829 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

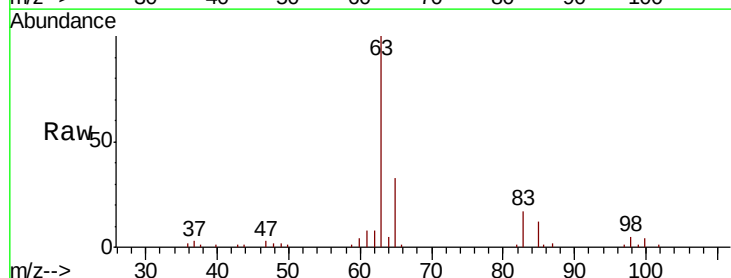
Tgt Ion: 63 Resp: 248809

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

100 3.6 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.96

80000

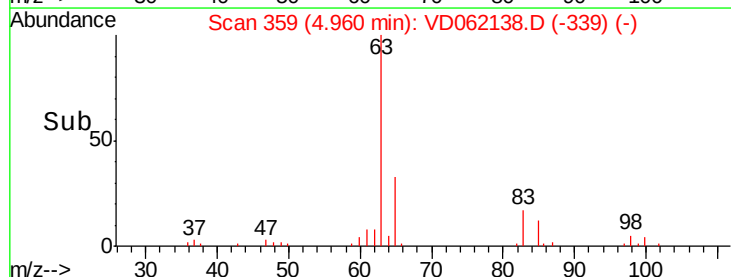
60000

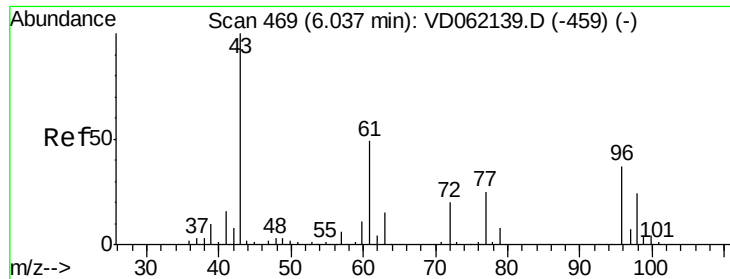
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.638 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

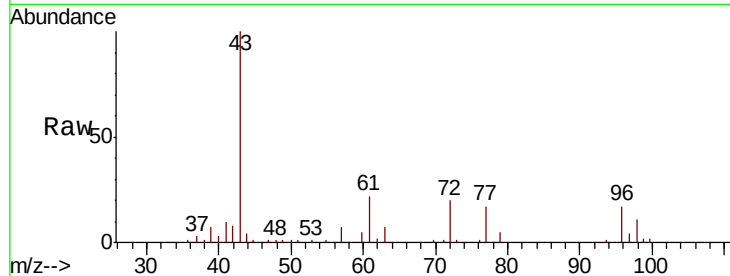
VSTDIC020

Tgt Ion: 43 Resp: 185747

Ion Ratio Lower Upper

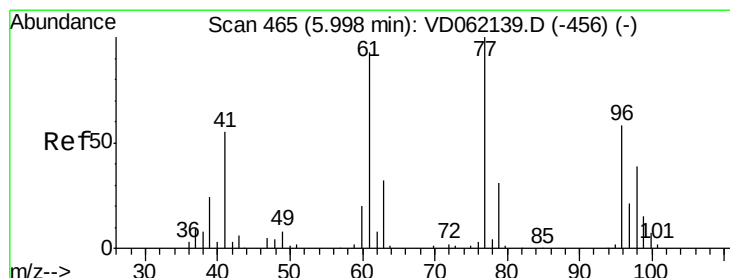
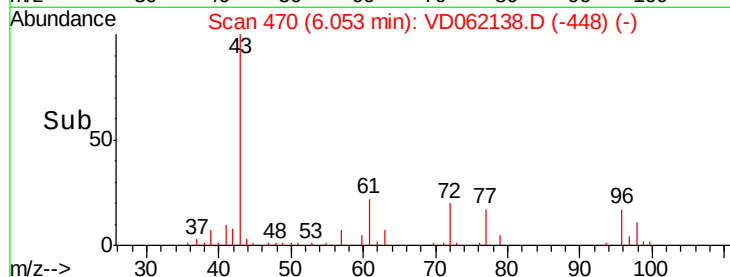
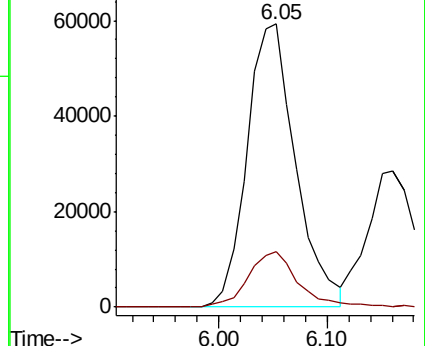
43 100

72 19.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.544 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD062138.D

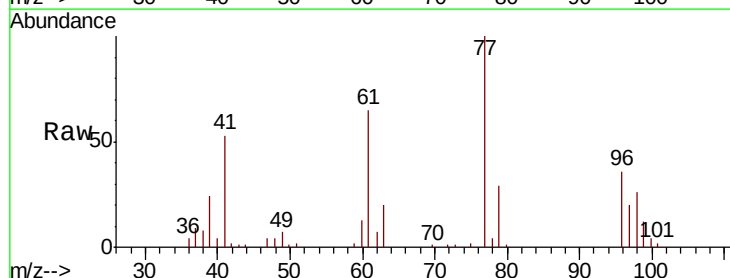
Acq: 7 May 2019 12:35

Tgt Ion: 77 Resp: 242899

Ion Ratio Lower Upper

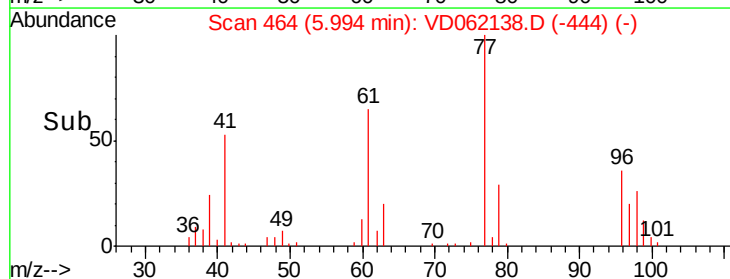
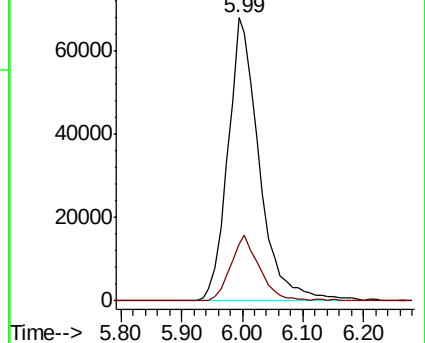
77 100

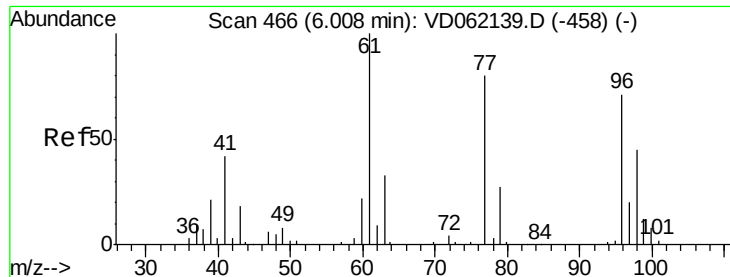
97 20.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



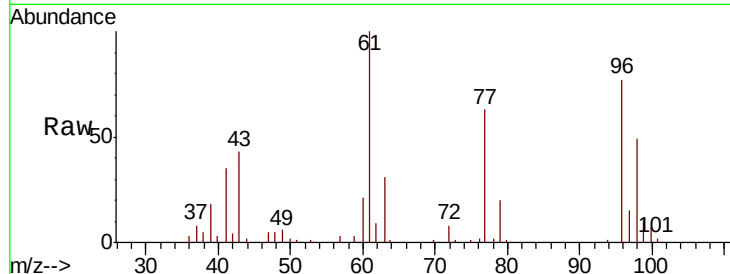


#27

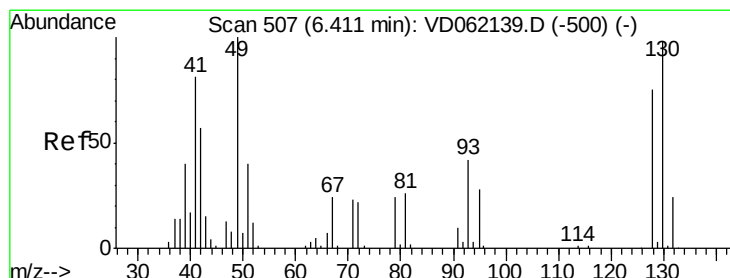
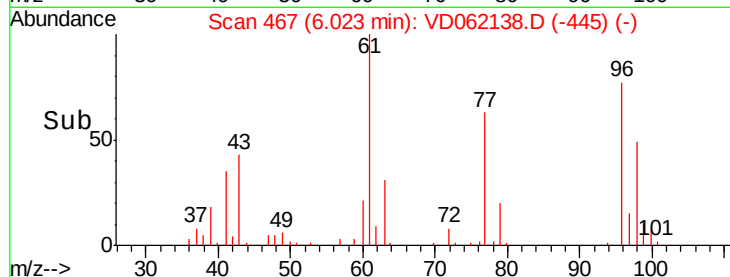
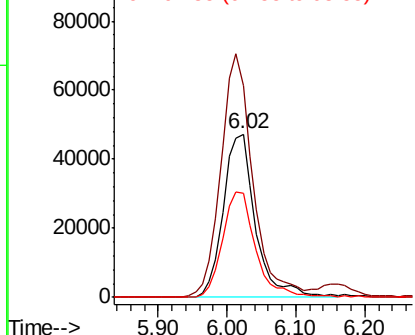
cis-1,2-Dichloroethene
 Concen: 18.303 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 153688
 Ion Ratio Lower Upper
 96 100
 61 129.4 0.0 279.8
 98 63.9 0.0 136.0



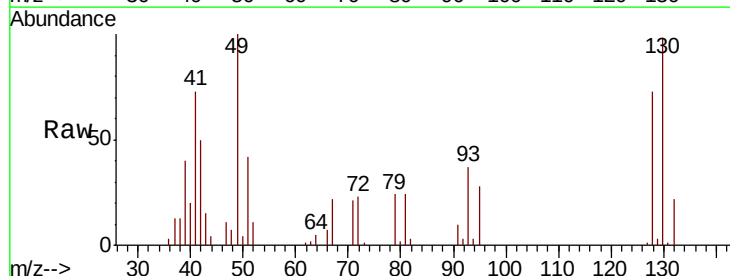
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



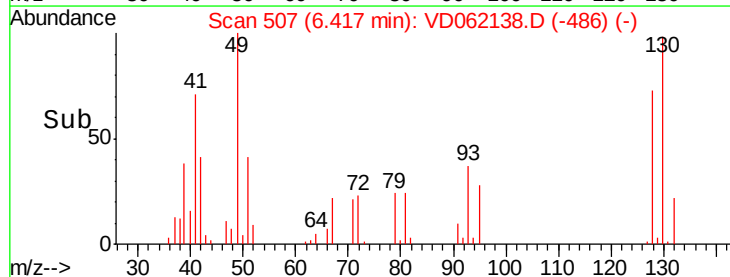
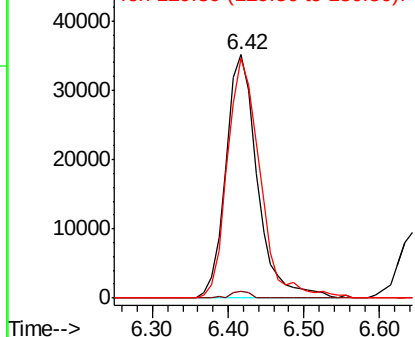
#28

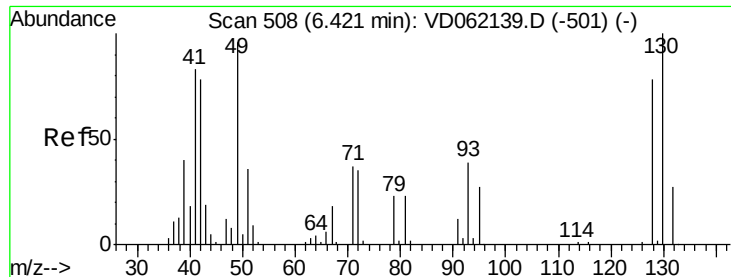
Bromochloromethane
 Concen: 20.318 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 49 Resp: 101433
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 6.6
 130 98.2 86.7 130.1



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

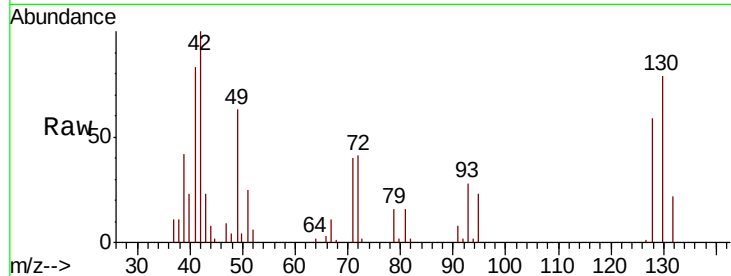




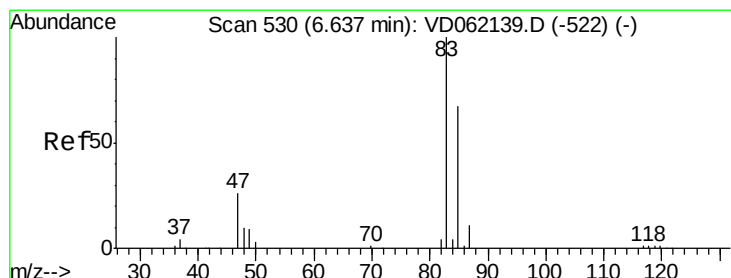
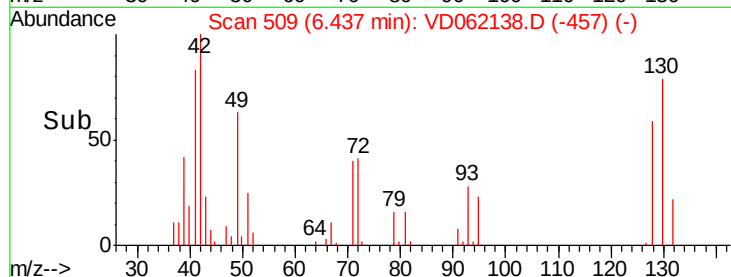
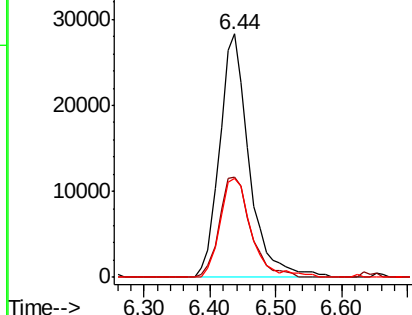
#29
Tetrahydrofuran
Concen: 107.557 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 42 Resp: 88635
Ion Ratio Lower Upper
42 100
72 43.4 37.8 56.6
71 42.6 36.7 55.1

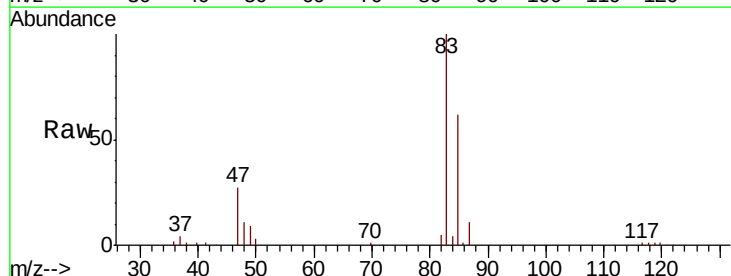


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

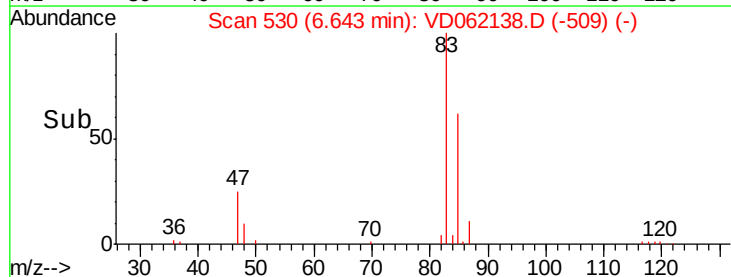
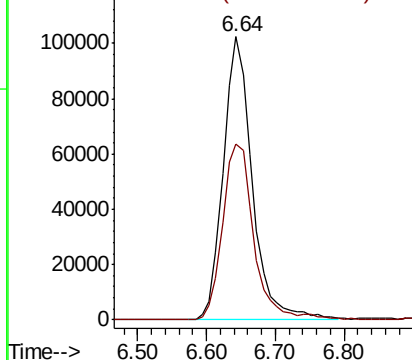


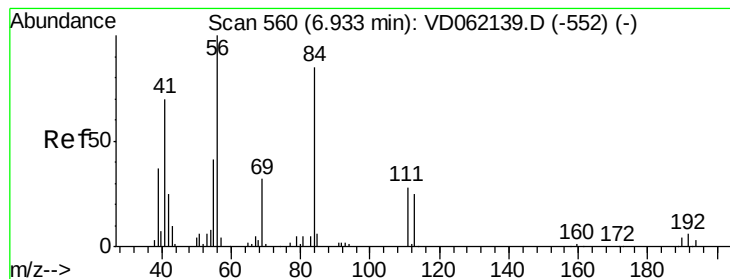
#30
Chloroform
Concen: 19.263 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 83 Resp: 298629
Ion Ratio Lower Upper
83 100
85 62.1 51.7 77.5



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





#31

Cyclohexane

Concen: 18.596 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

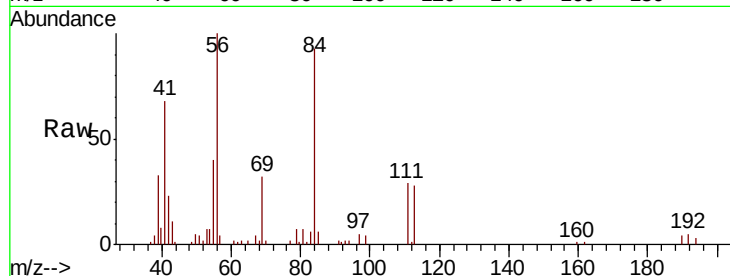
Tgt Ion: 56 Resp: 168553

Ion Ratio Lower Upper

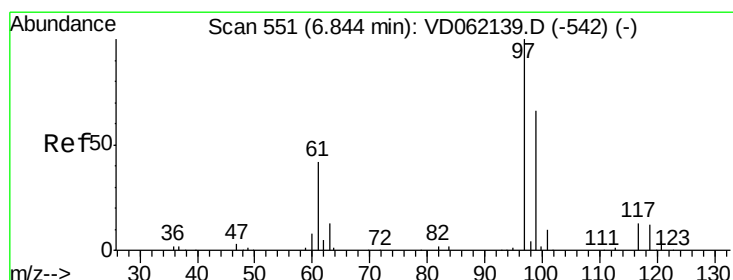
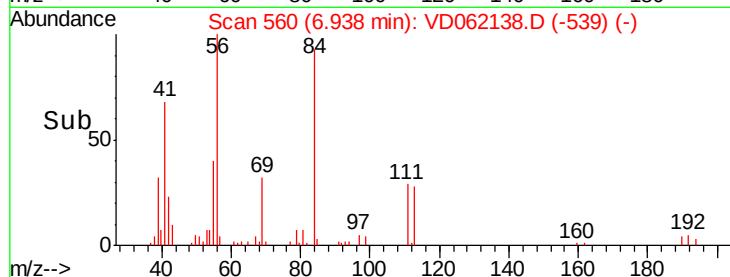
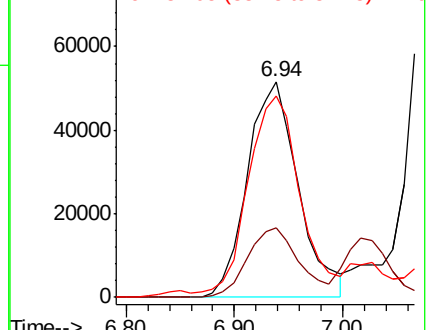
56 100

69 32.3 25.8 38.6

84 93.0 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 19.710 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

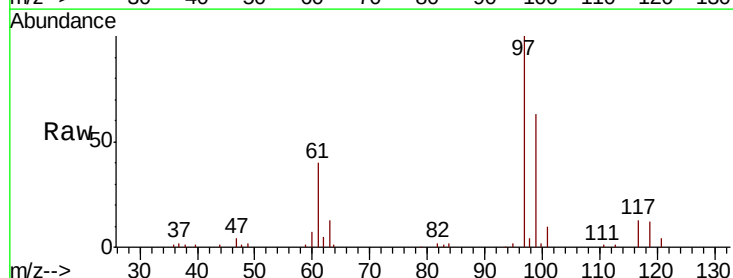
Tgt Ion: 97 Resp: 295743

Ion Ratio Lower Upper

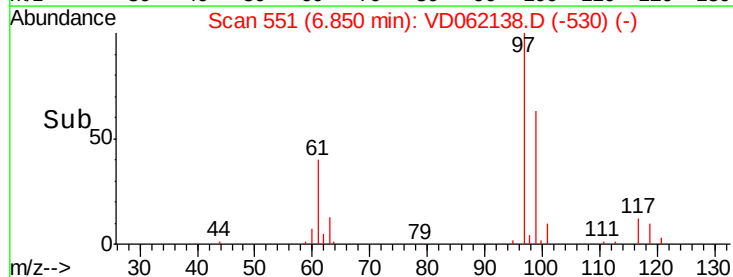
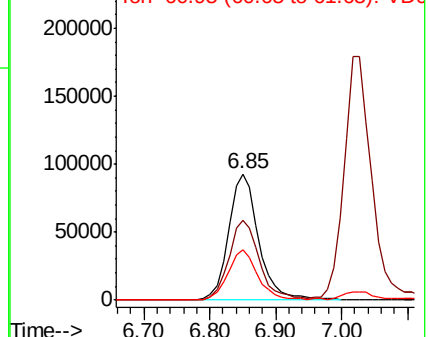
97 100

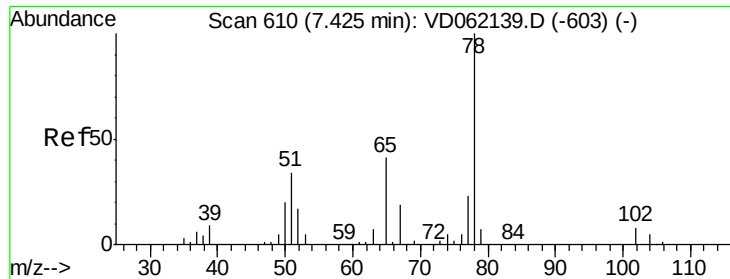
99 63.2 52.2 78.2

61 39.8 32.4 48.6



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

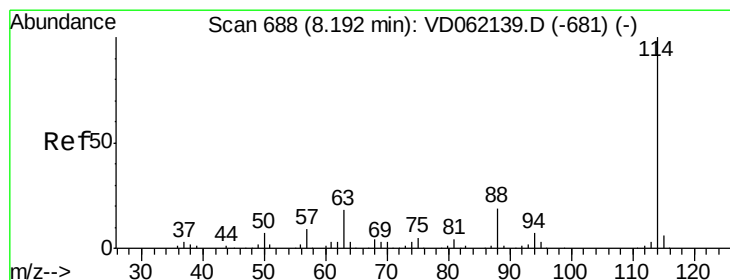
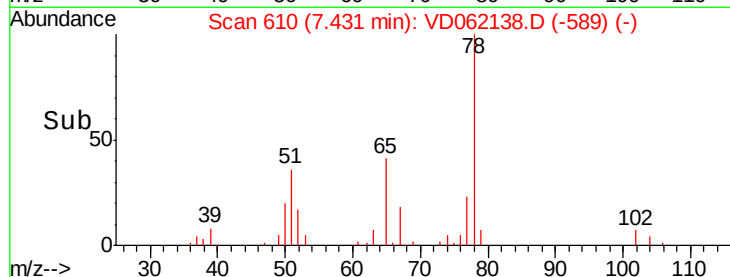
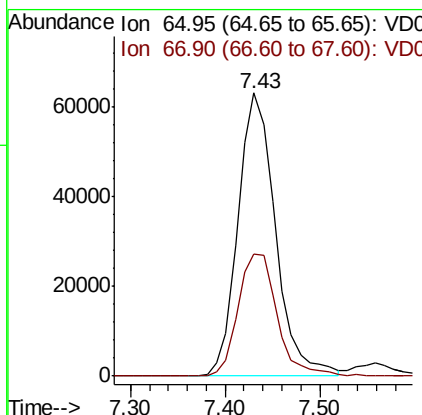
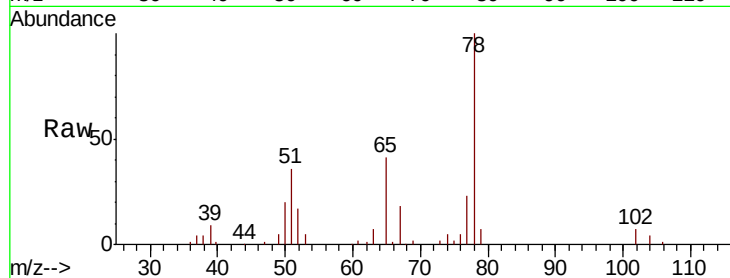




#33
 1,2-Dichloroethane-d4
 Concen: 20.183 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

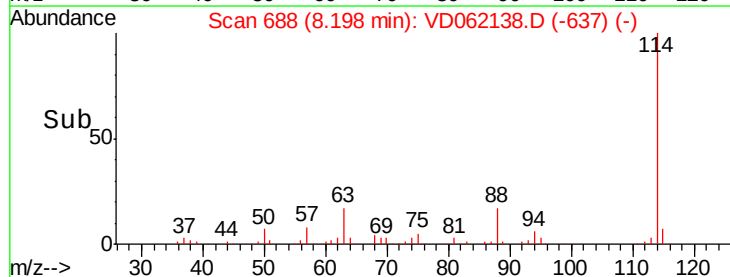
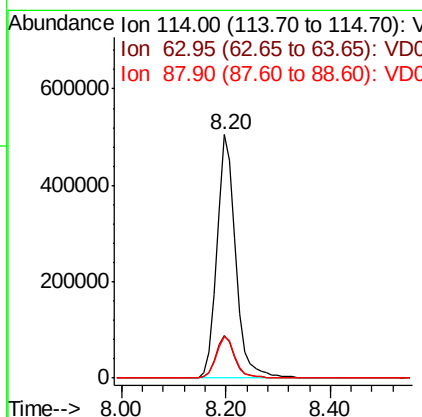
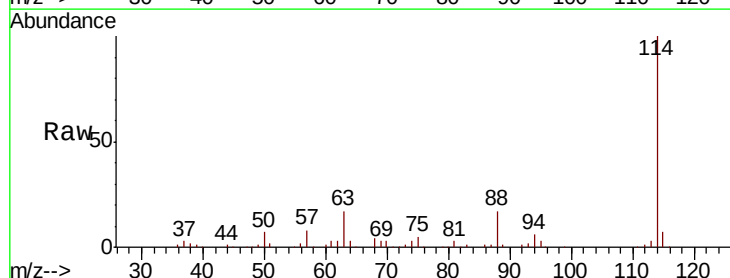
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

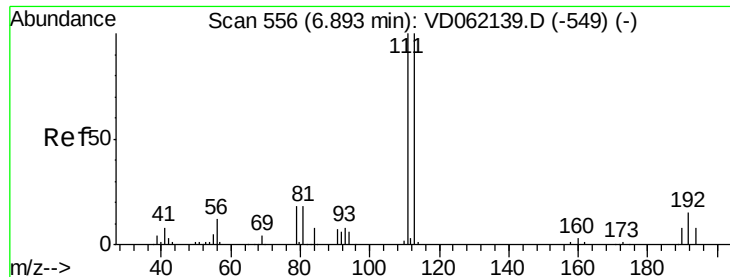
Tgt Ion: 65 Resp: 173539
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 114 Resp: 1260253
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 32.4
 88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 18.641 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.02 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

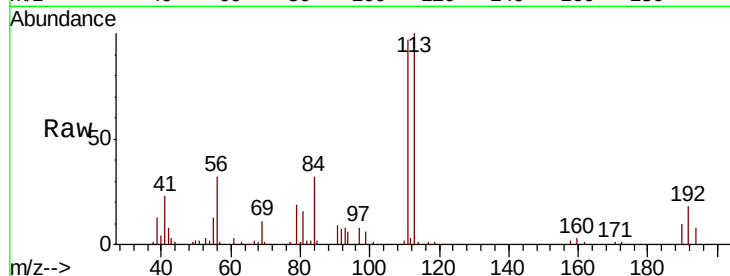
Tgt Ion:113 Resp: 212492

Ion Ratio Lower Upper

113 100

111 96.9 78.5 117.7

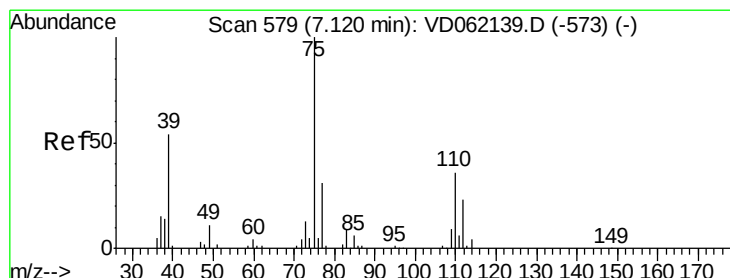
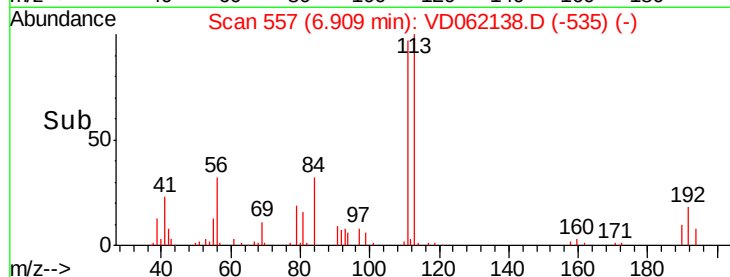
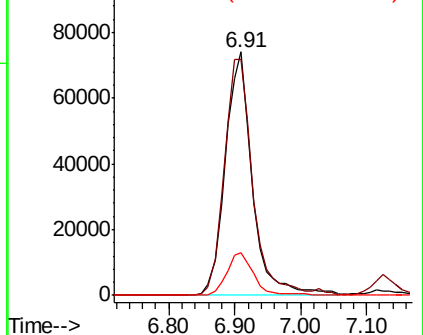
192 17.5 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.007 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

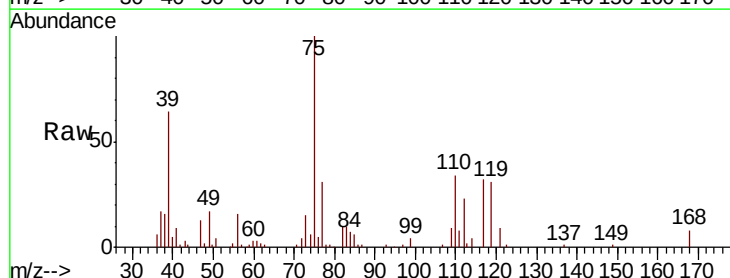
Tgt Ion: 75 Resp: 210194

Ion Ratio Lower Upper

75 100

110 33.9 19.1 57.1

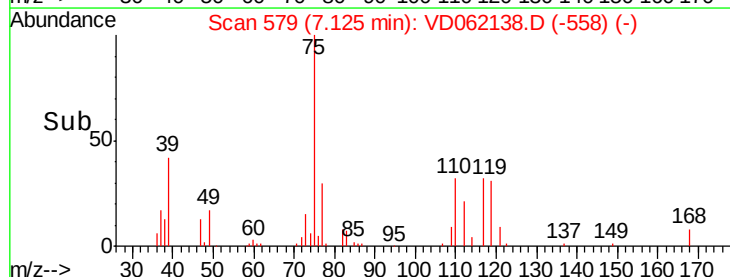
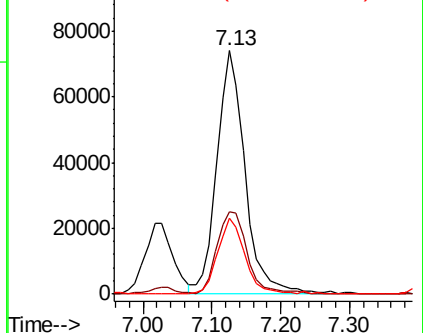
77 31.1 25.6 38.4

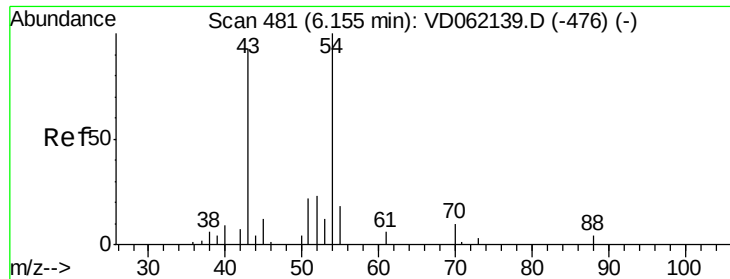


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

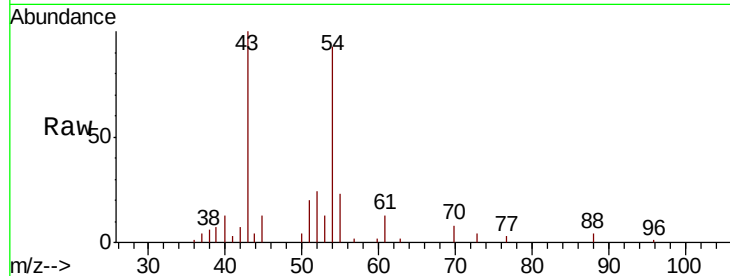




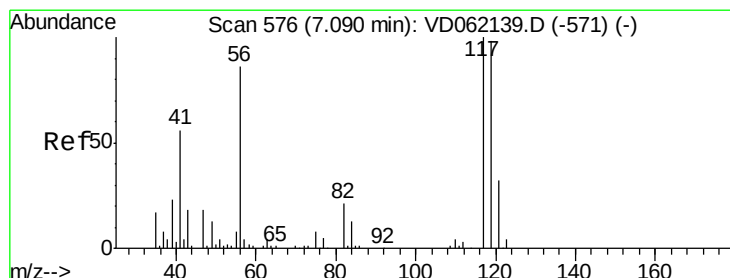
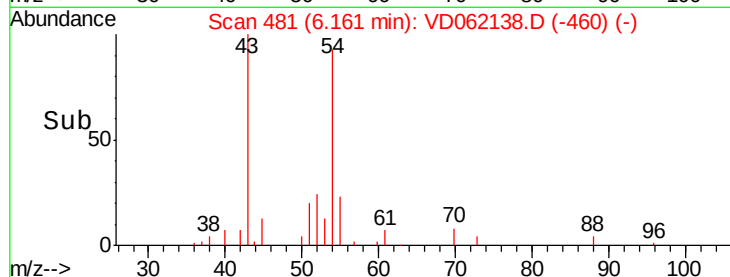
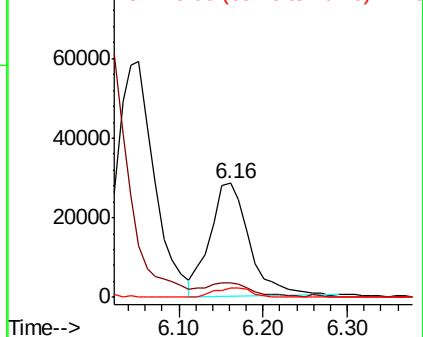
#37
Ethyl Acetate
Concen: 20.083 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 91473
Ion Ratio Lower Upper
43 100
61 13.0 14.7 22.1#
70 7.8 7.8 11.6#

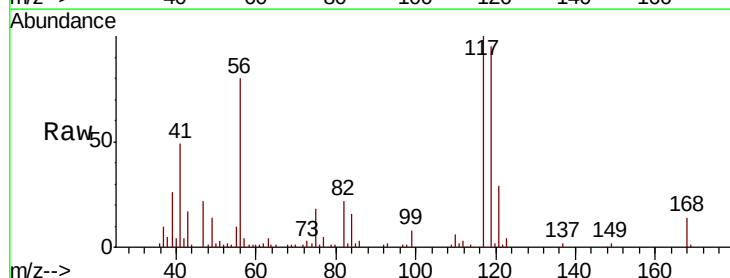


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

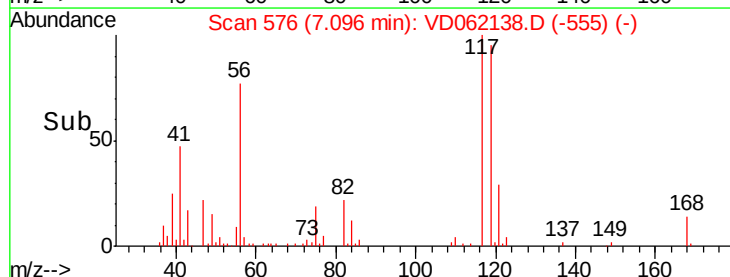
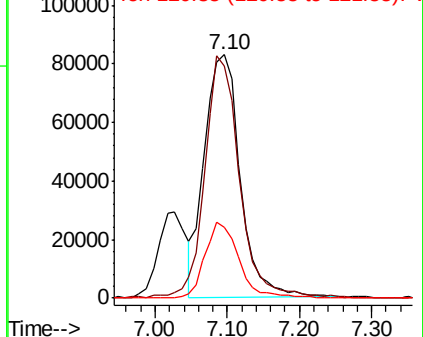


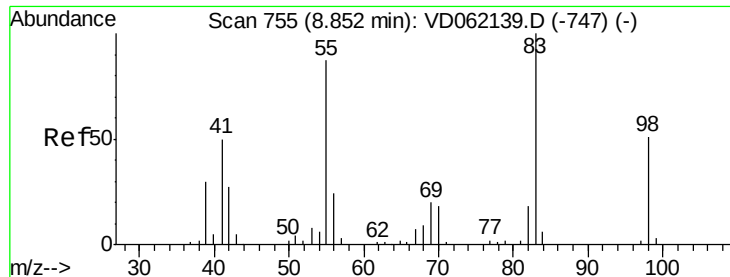
#38
Carbon Tetrachloride
Concen: 19.023 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 117 Resp: 283362
Ion Ratio Lower Upper
117 100
119 95.1 75.8 113.8
121 29.1 25.9 38.9



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

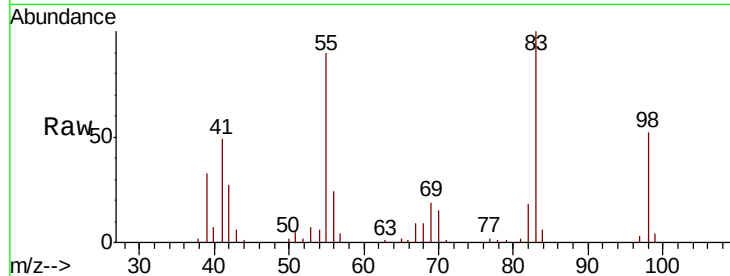




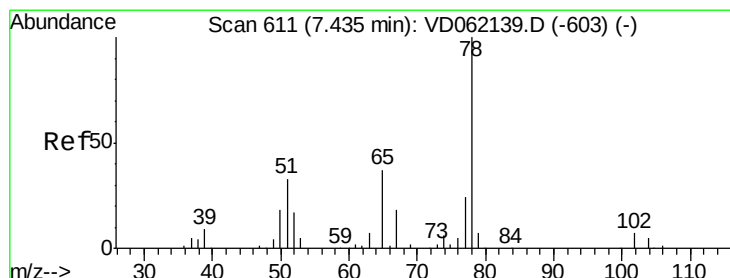
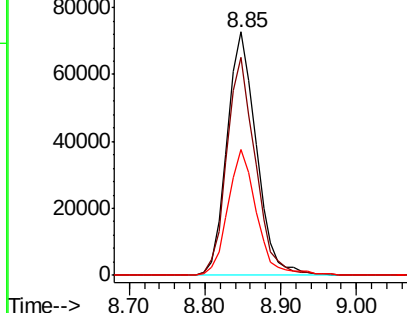
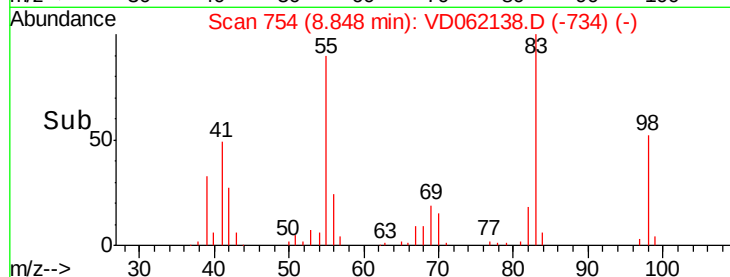
#39
Methylcyclohexane
Concen: 18.446 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tgt Ion: 83 Resp: 194811
Ion Ratio Lower Upper
83 100
55 89.8 68.2 102.4
98 51.8 38.2 57.4

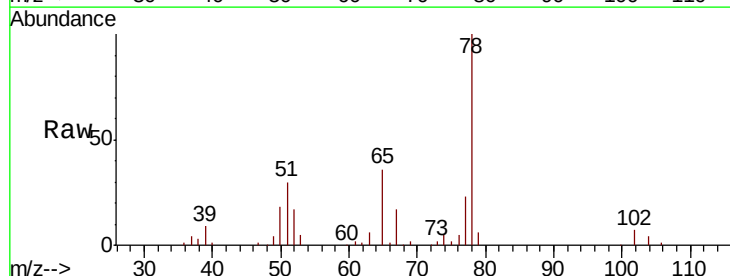


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

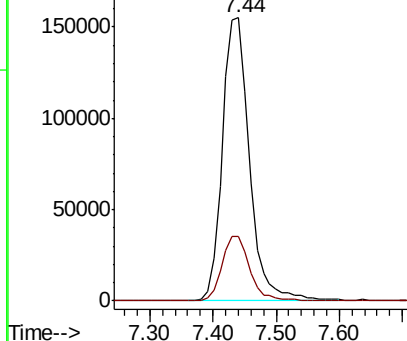
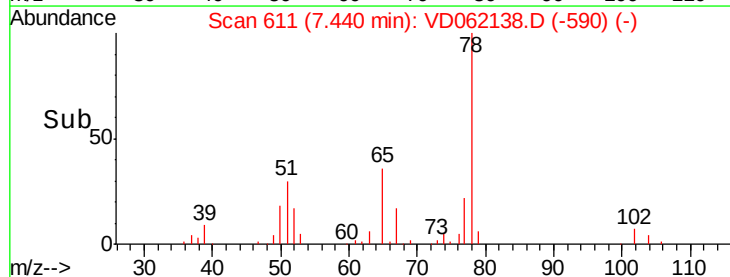


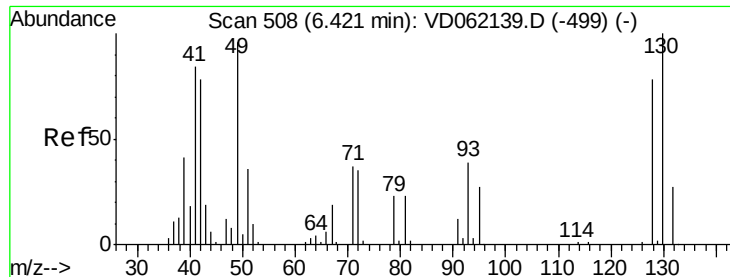
#40
Benzene
Concen: 19.391 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 78 Resp: 461987
Ion Ratio Lower Upper
78 100
77 23.0 19.7 29.5



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





#41

Methacrylonitrile

Concen: 20.254 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

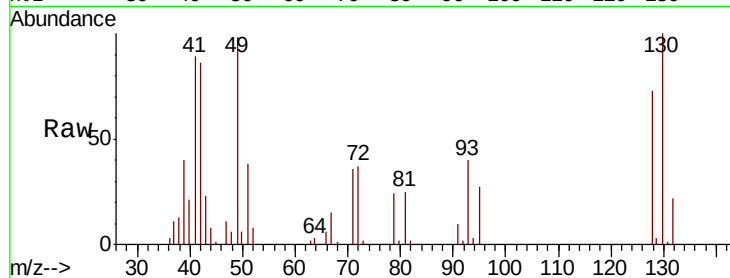
ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 108376

Ion Ratio Lower Upper

41	100		
39	45.5	34.1	51.1
67	17.2	23.8	35.6
52	9.3	8.8	13.2



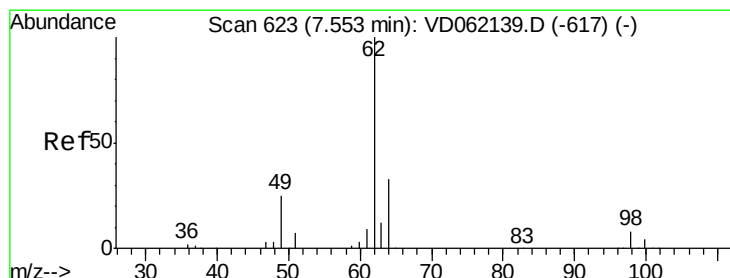
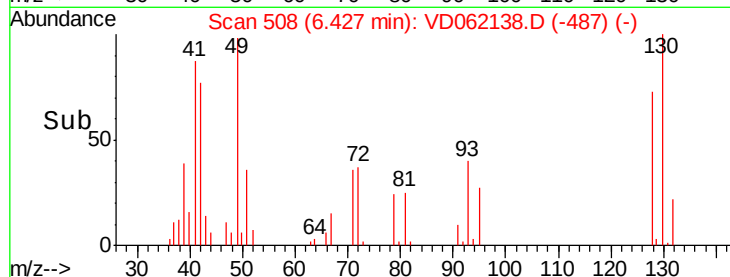
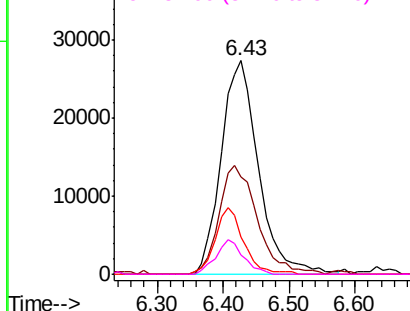
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.110 ug/l

RT: 7.56 min Scan# 623

Delta R.T. 0.01 min

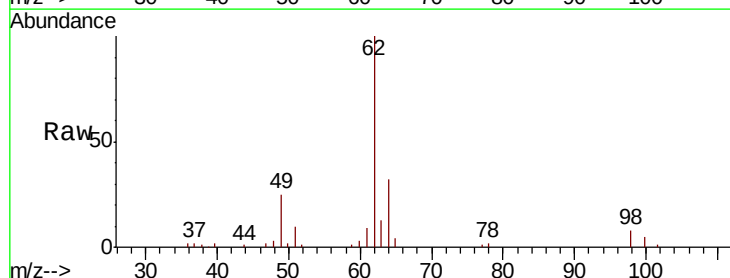
Lab File: VD062138.D

Acq: 7 May 2019 12:35

Tgt Ion: 62 Resp: 194200

Ion Ratio Lower Upper

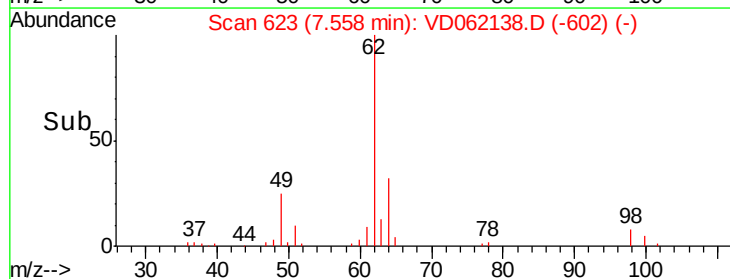
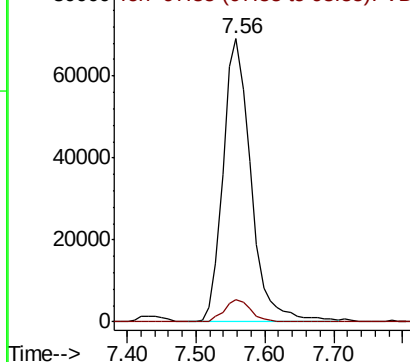
62	100		
98	7.9	0.0	17.8

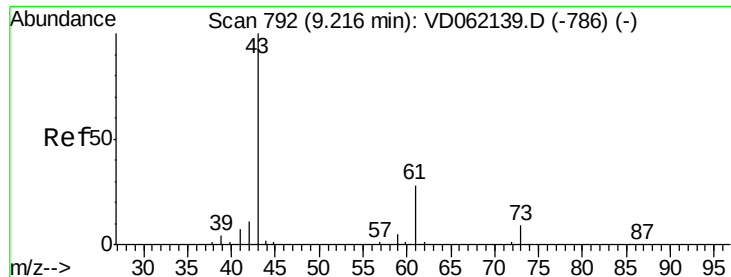


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.528 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

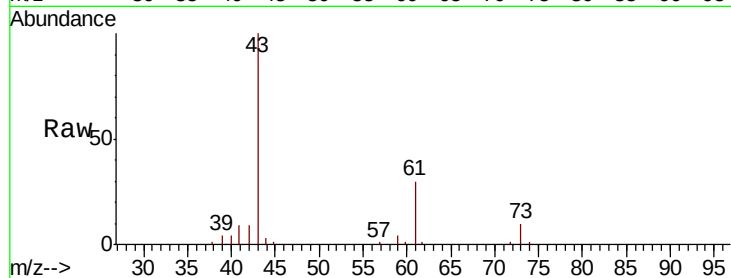
Tgt Ion: 43 Resp: 123765

Ion Ratio Lower Upper

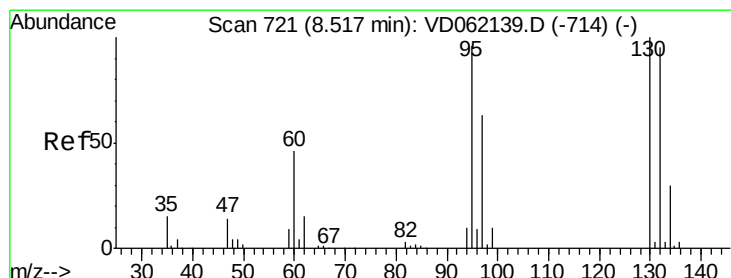
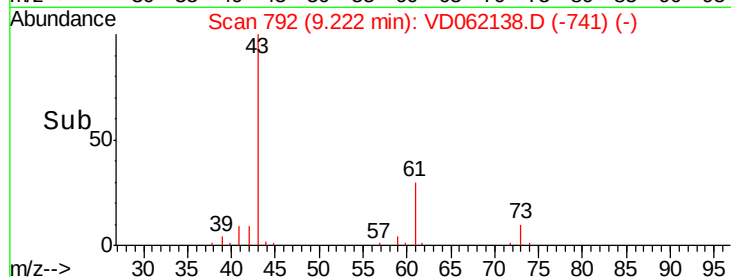
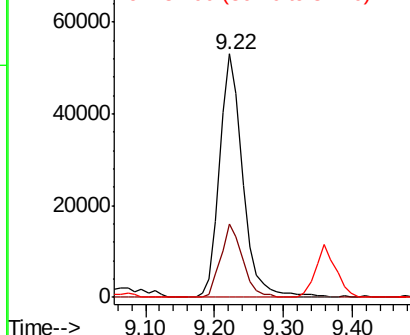
43 100

61 30.2 25.1 37.7

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 17.727 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.01 min

Lab File: VD062138.D

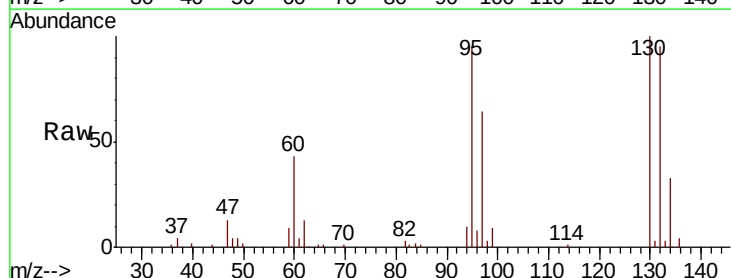
Acq: 7 May 2019 12:35

Tgt Ion: 130 Resp: 166042

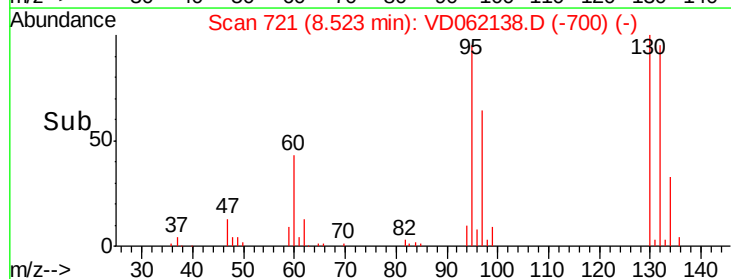
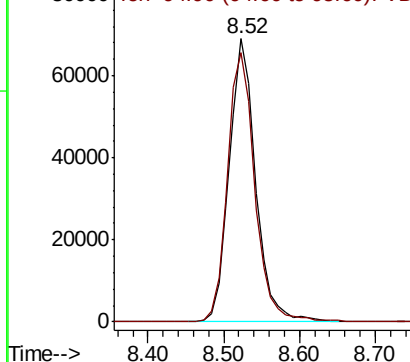
Ion Ratio Lower Upper

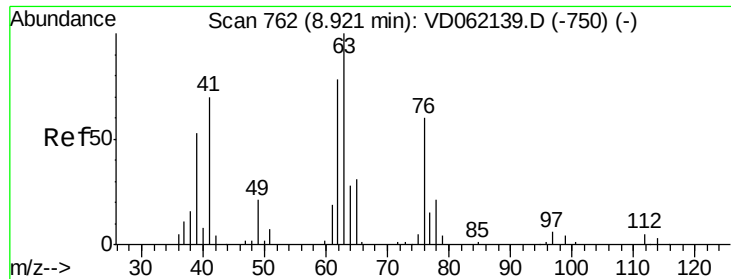
130 100

95 95.3 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.419 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

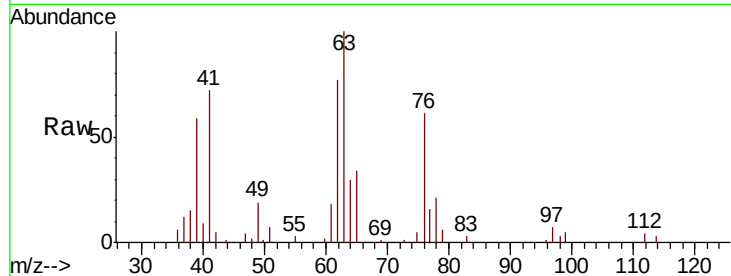
VSTDIC020

Tgt Ion: 63 Resp: 108634

Ion Ratio Lower Upper

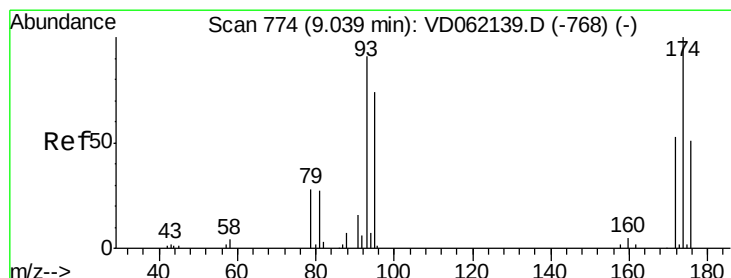
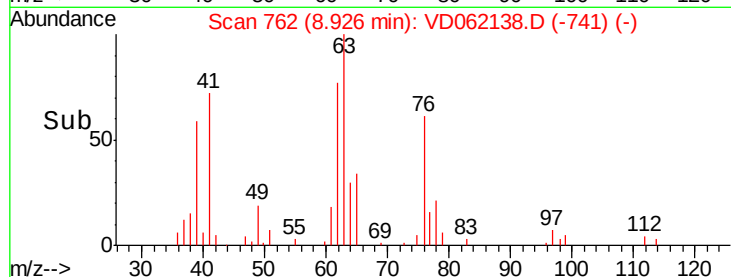
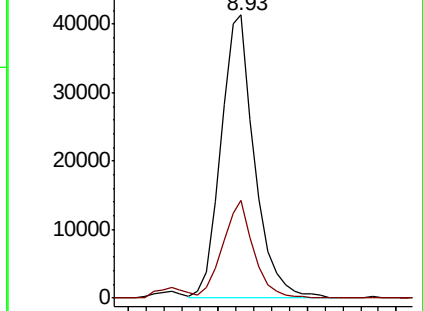
63 100

65 34.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.933 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

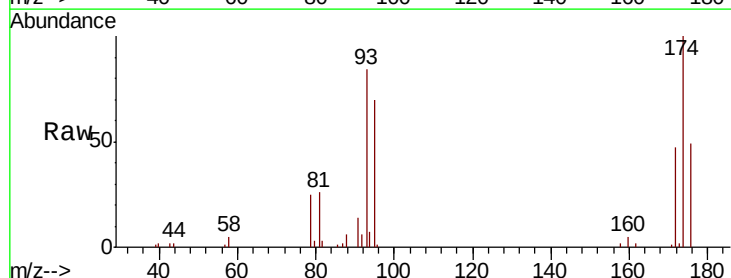
Tgt Ion: 93 Resp: 91631

Ion Ratio Lower Upper

93 100

95 82.5 64.8 97.2

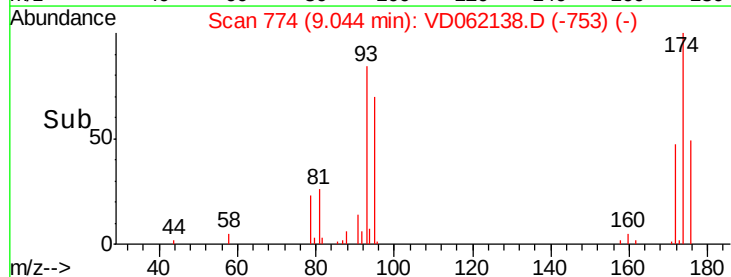
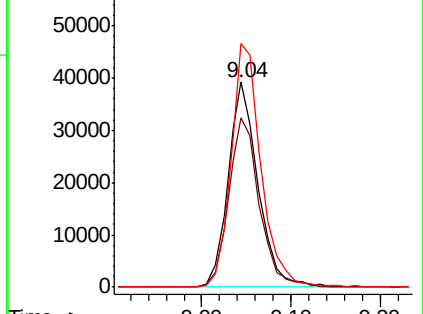
174 118.7 79.3 118.9

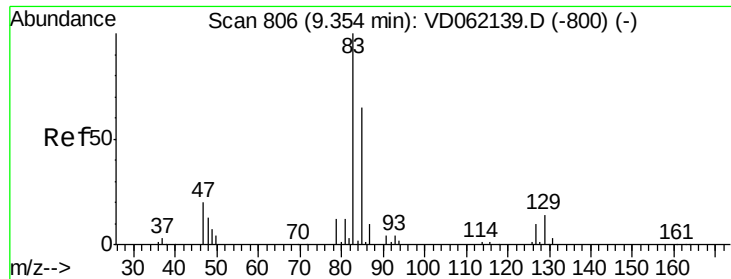


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.256 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

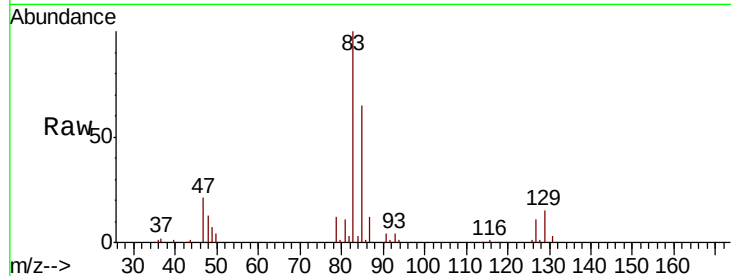
Tgt Ion: 83 Resp: 227535

Ion Ratio Lower Upper

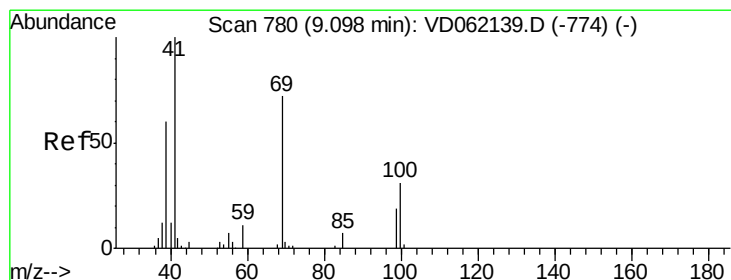
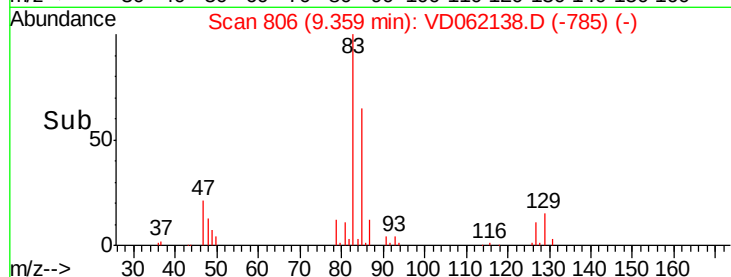
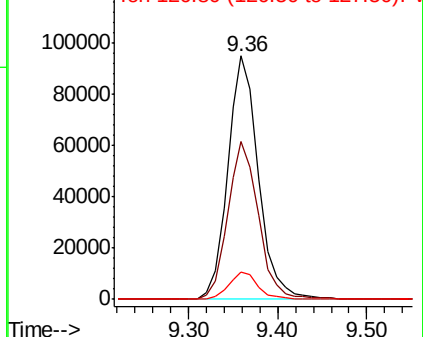
83 100

85 64.9 50.9 76.3

127 11.0 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.464 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

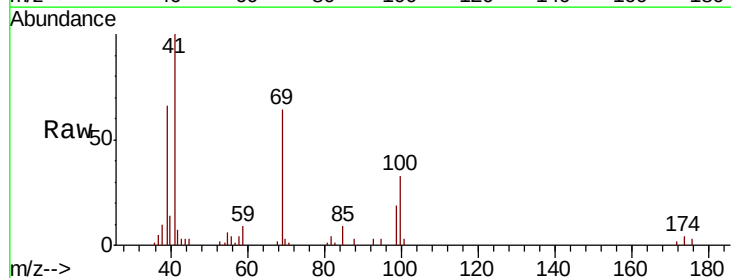
Tgt Ion: 41 Resp: 78142

Ion Ratio Lower Upper

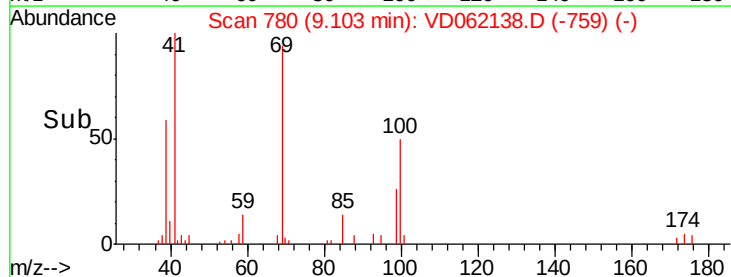
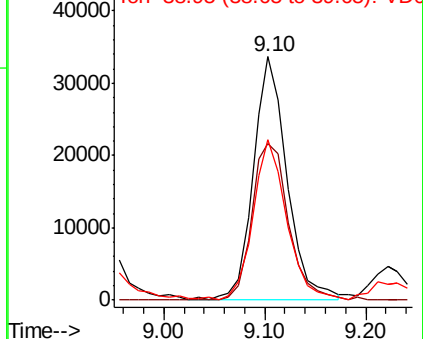
41 100

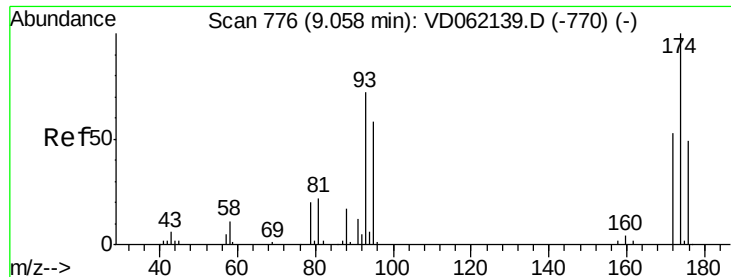
69 64.2 64.2 96.2

39 65.8 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

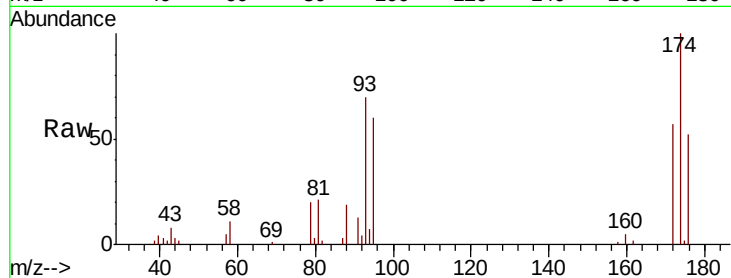




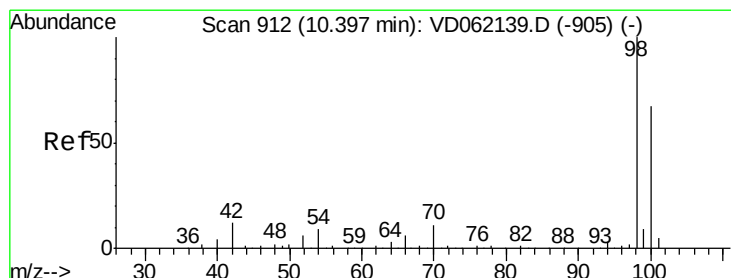
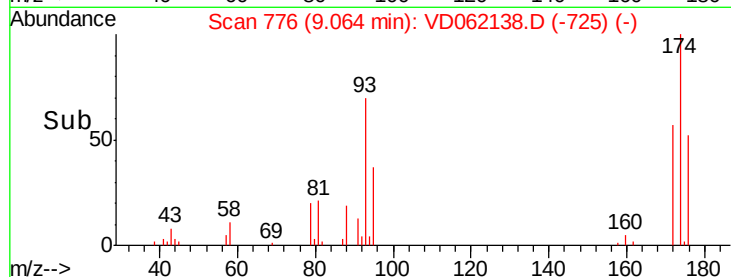
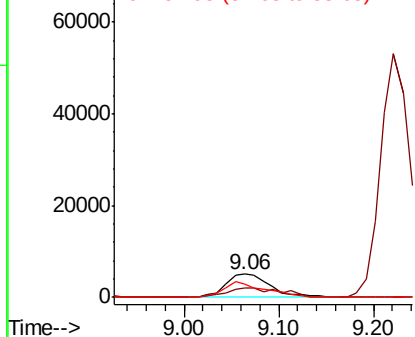
#49
1,4-Dioxane
Concen: 395.679 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 16445
Ion Ratio Lower Upper
88 100
43 42.1 23.4 35.0#
58 55.0 44.0 66.0

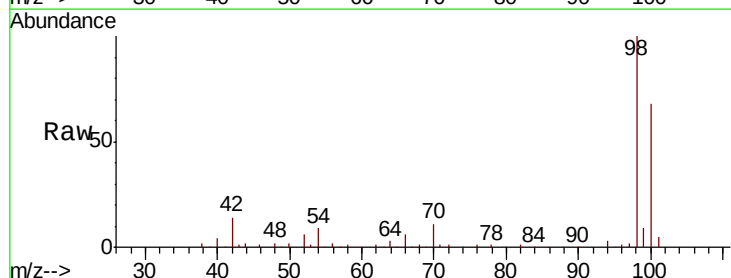


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

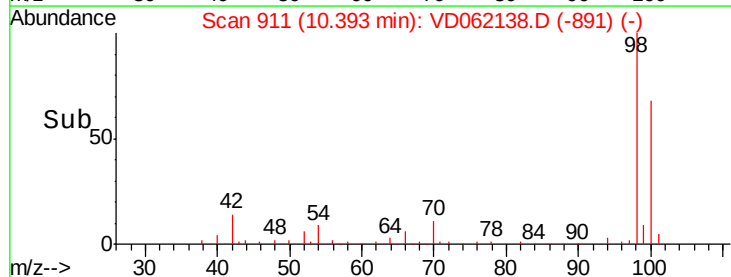
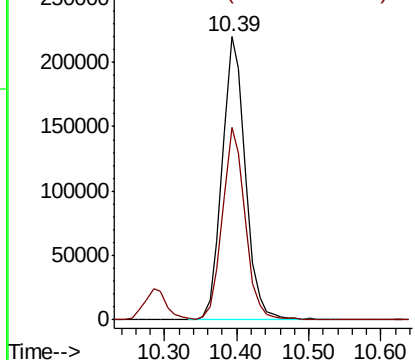


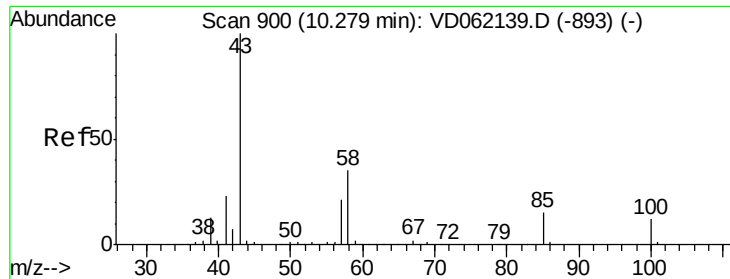
#50
Toluene-d8
Concen: 17.509 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 98 Resp: 489832
Ion Ratio Lower Upper
98 100
100 68.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 105.798 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

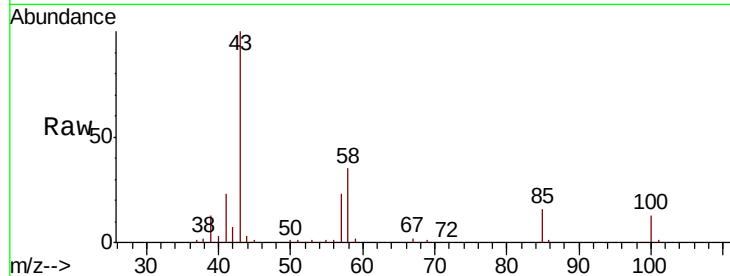
VSTDIC020

Tgt Ion: 43 Resp: 417795

Ion Ratio Lower Upper

43 100

58 34.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

200000

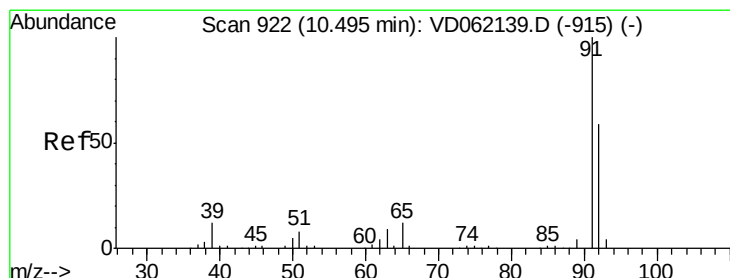
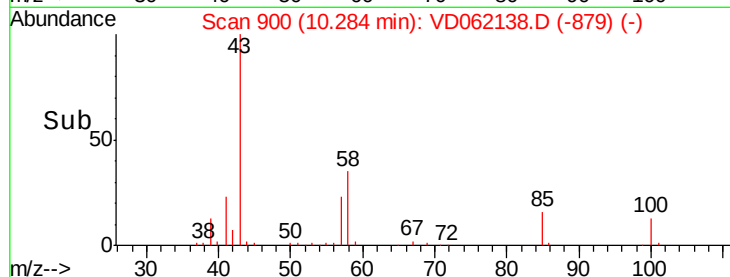
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.863 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD062138.D

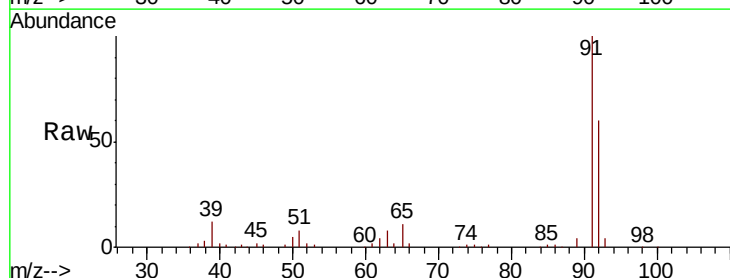
Acq: 7 May 2019 12:35

Tgt Ion: 92 Resp: 295770

Ion Ratio Lower Upper

92 100

91 166.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

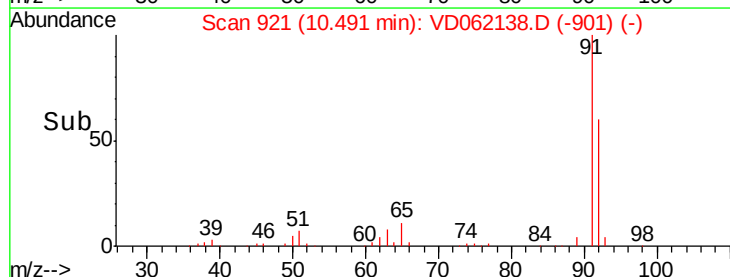
150000

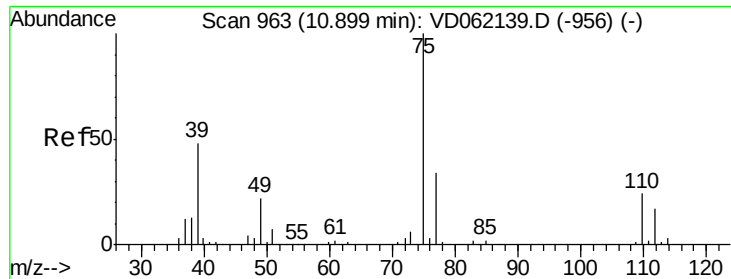
100000

50000

0

Time-->

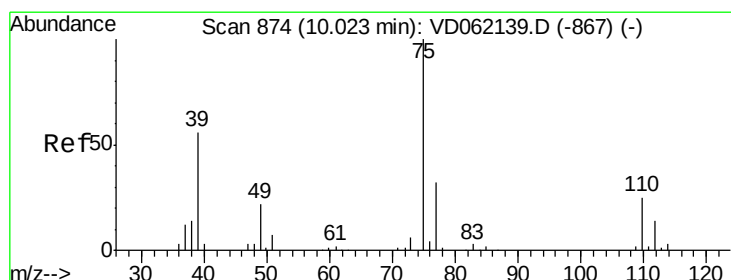
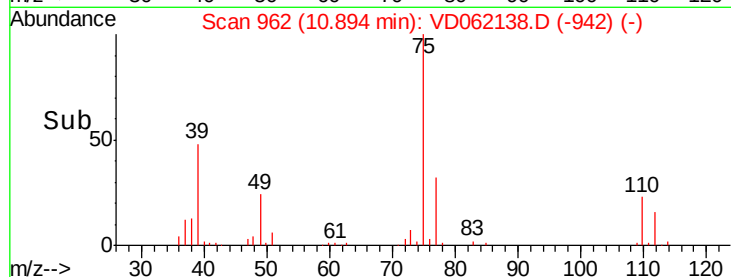
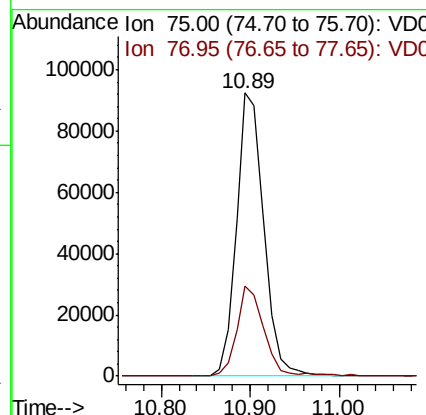
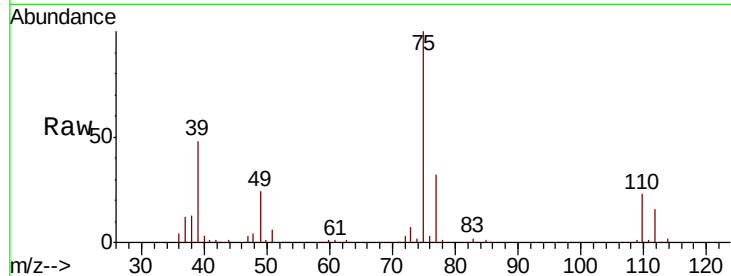




#53
 t-1,3-Dichloropropene
 Concen: 19.152 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

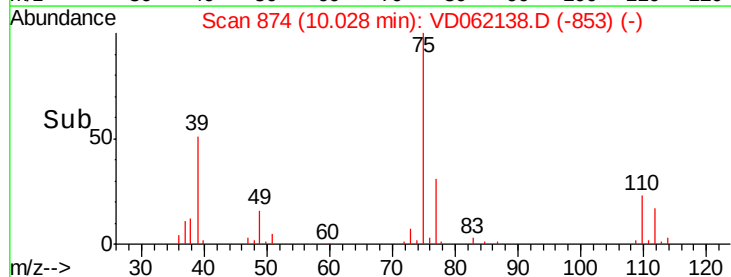
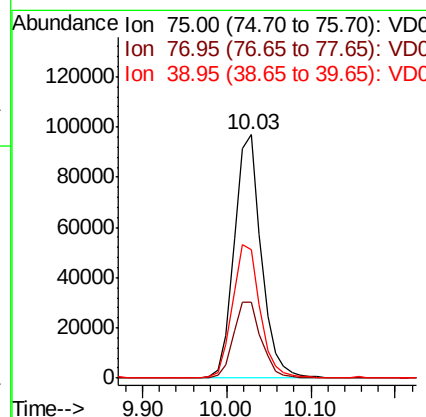
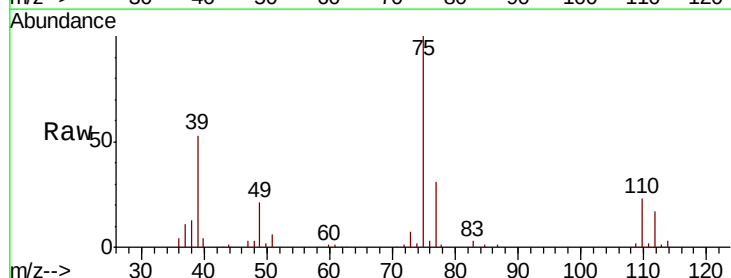
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

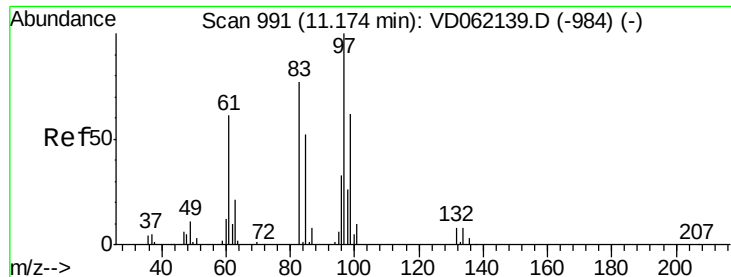
Tgt Ion: 75 Resp: 198335
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.609 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 75 Resp: 216237
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3
 39 52.6 39.4 59.2

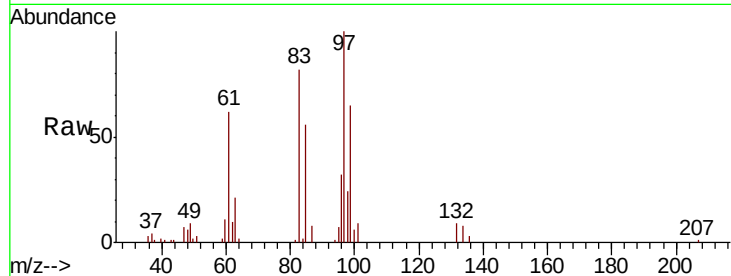




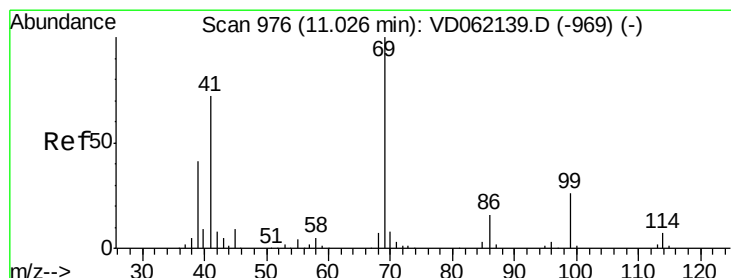
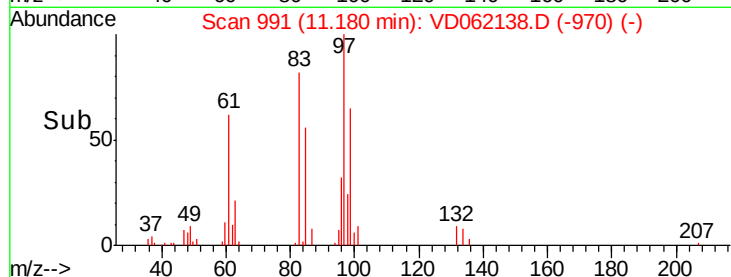
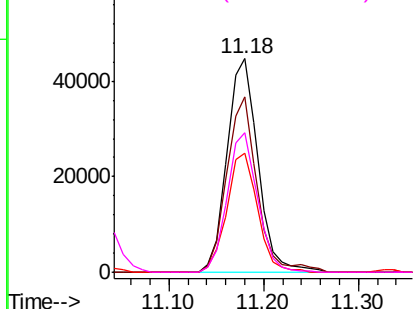
#55
 1,1,2-Trichloroethane
 Concen: 17.593 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	101226
Ion	Ratio	Lower	Upper
97	100		
83	81.8	65.7	98.5
85	55.7	45.6	68.4
99	65.2	48.4	72.6

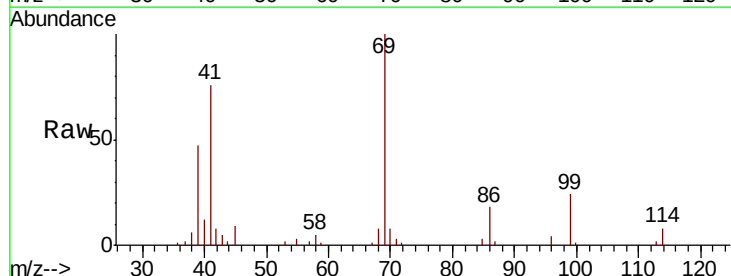


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

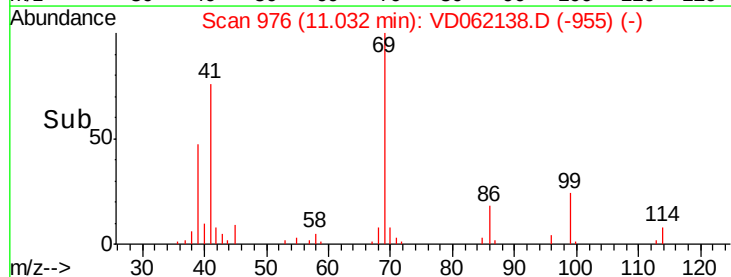
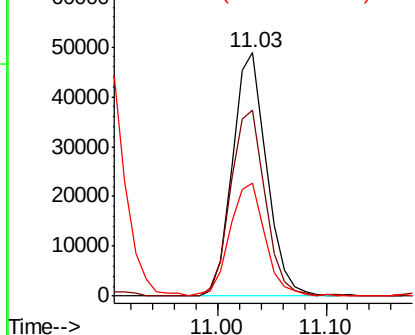


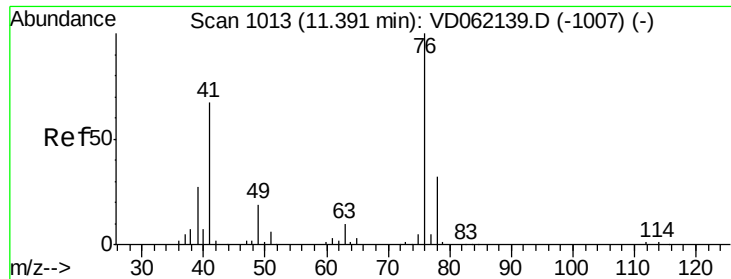
#56
 Ethyl methacrylate
 Concen: 17.783 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion:	69	Resp:	106599
Ion	Ratio	Lower	Upper
69	100		
41	76.2	56.3	84.5
39	46.6	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

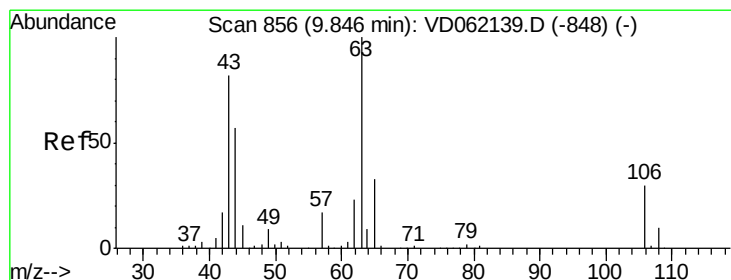
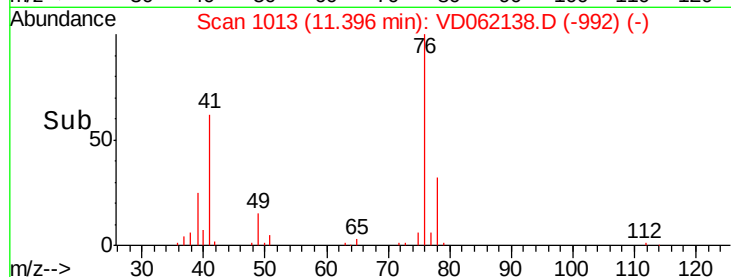
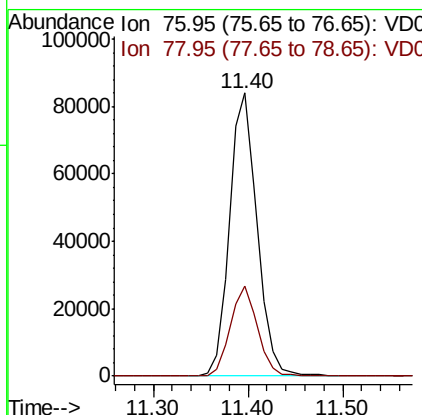
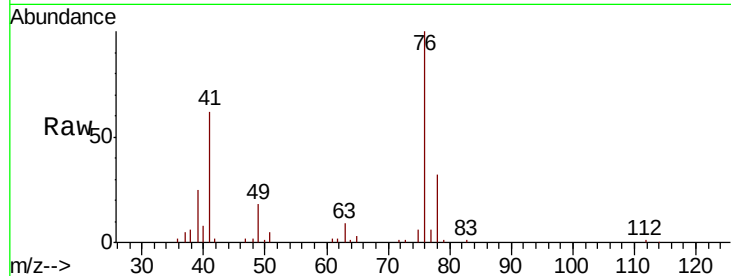




#57
 1,3-Dichloropropane
 Concen: 18.881 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

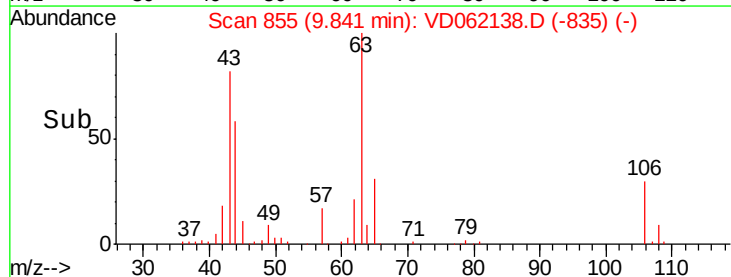
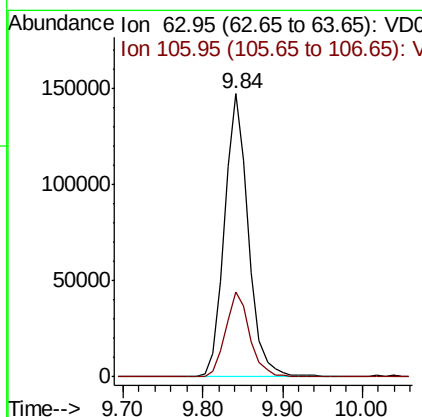
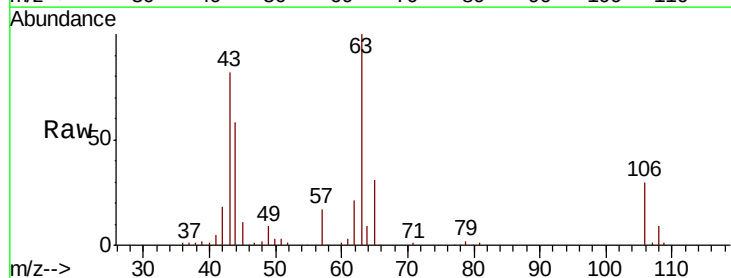
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

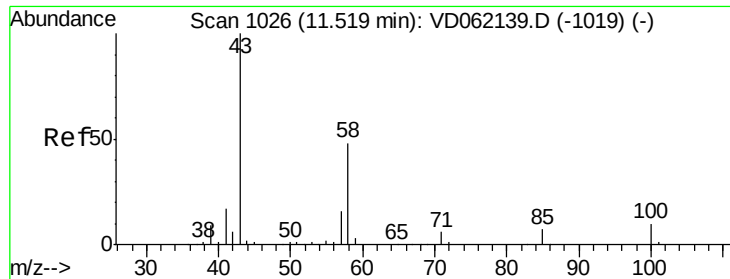
Tgt Ion: 76 Resp: 168152
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.683 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 63 Resp: 309426
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 34.0

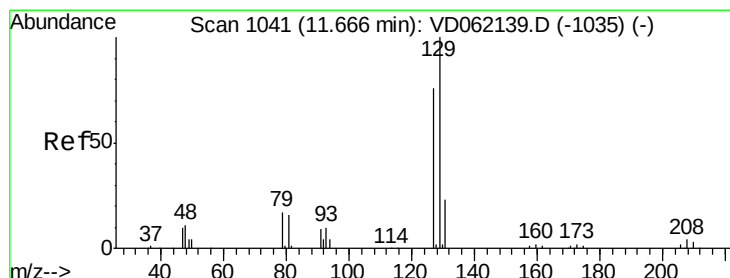
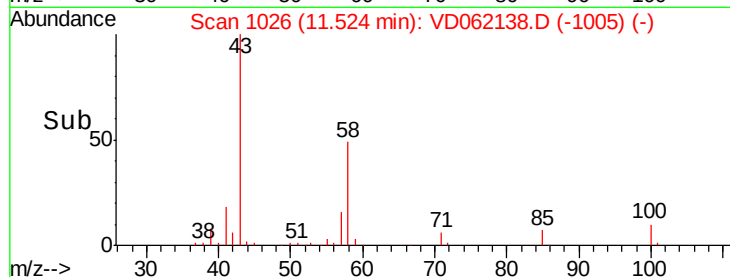
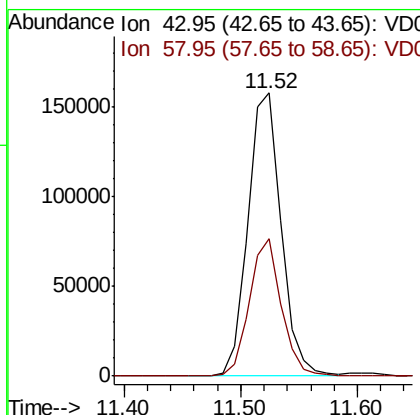
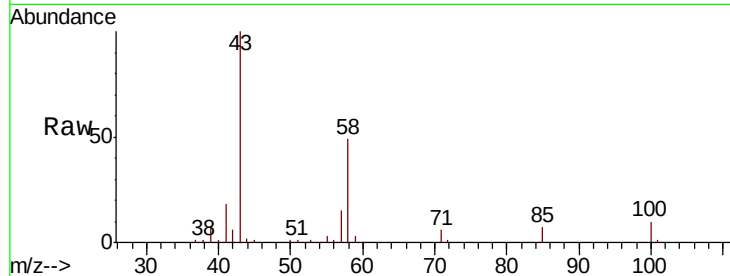




#59
2-Hexanone
Concen: 105.087 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

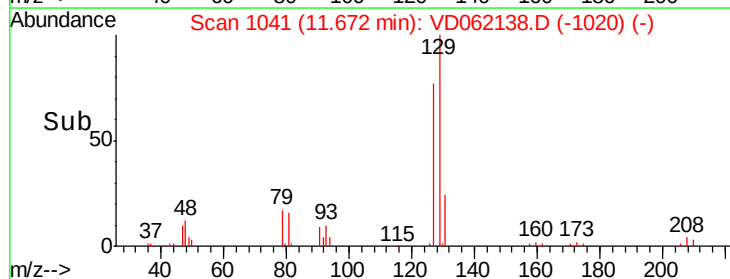
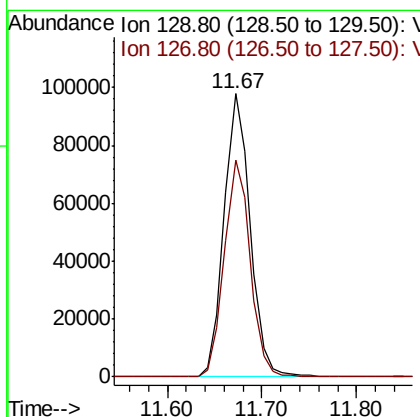
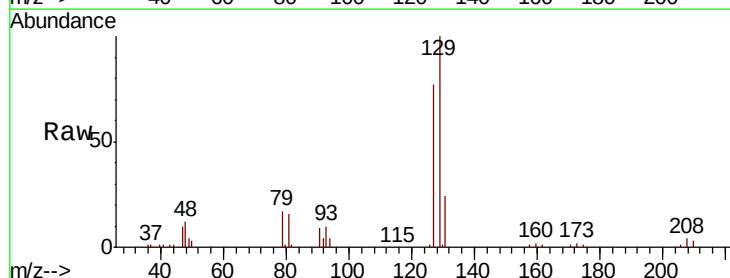
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

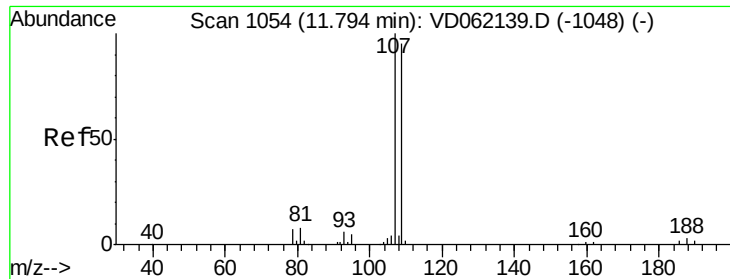
Tgt Ion: 43 Resp: 311878
Ion Ratio Lower Upper
43 100
58 48.8 25.4 76.4



#60
Dibromochloromethane
Concen: 19.241 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 129 Resp: 186868
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9

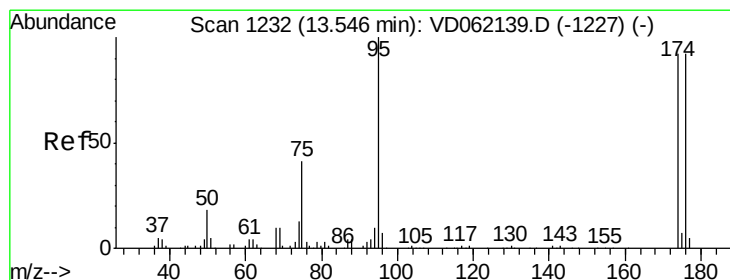
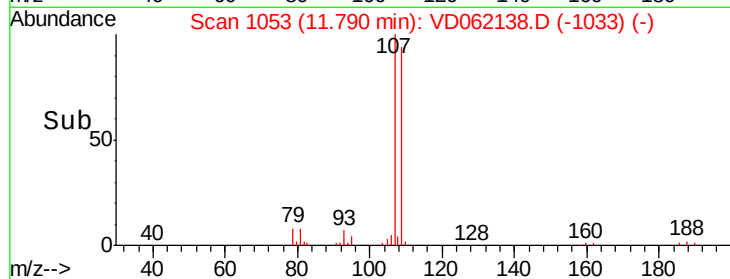
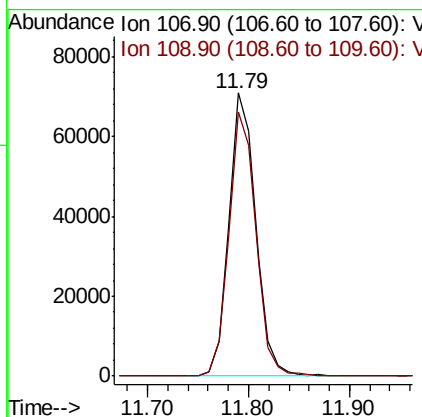
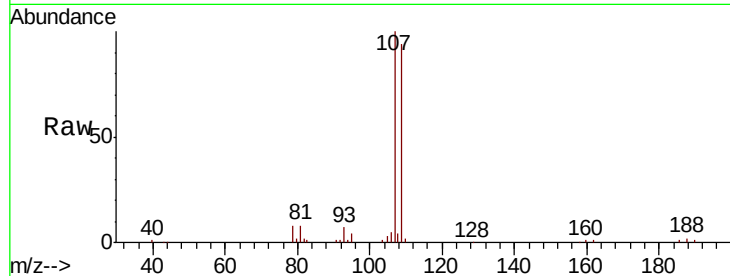




#61
 1,2-Dibromoethane
 Concen: 19.656 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

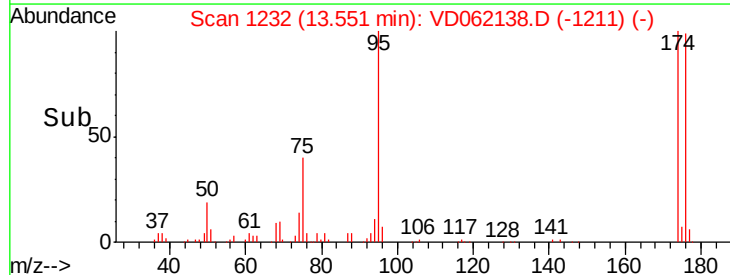
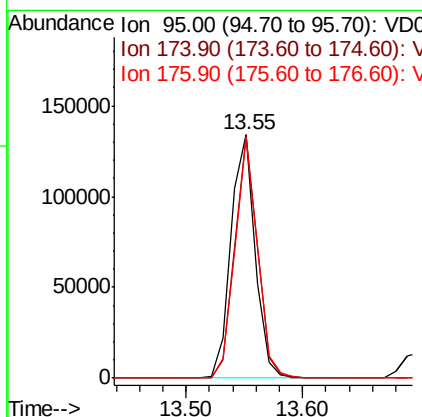
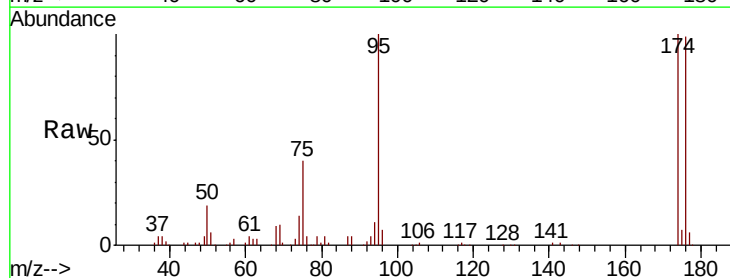
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

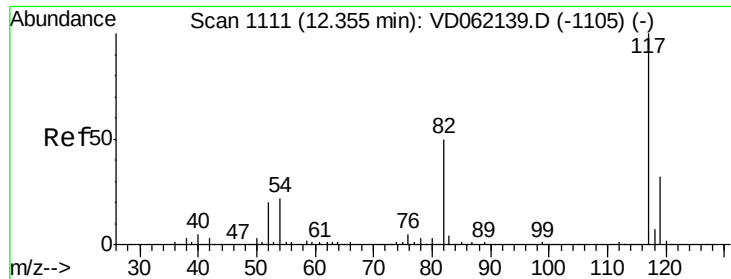
Tgt Ion: 107 Resp: 129977
 Ion Ratio Lower Upper
 107 100
 109 93.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 17.057 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 95 Resp: 192554
 Ion Ratio Lower Upper
 95 100
 174 99.5 0.0 181.8
 176 98.9 0.0 174.4

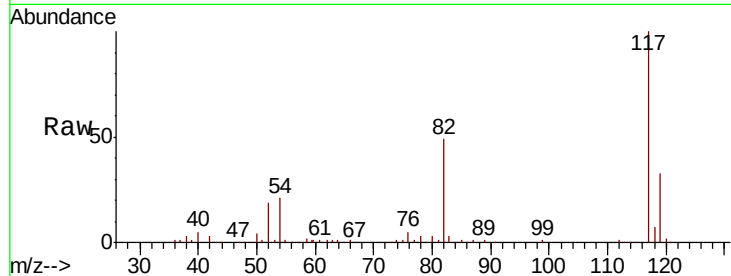




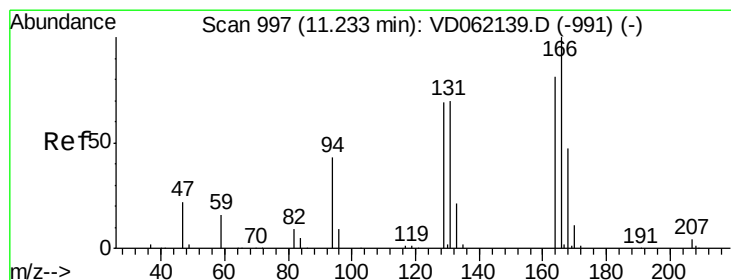
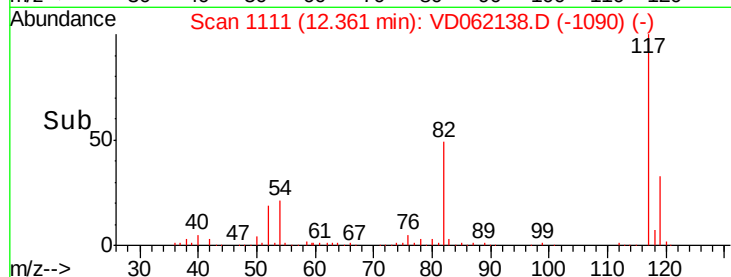
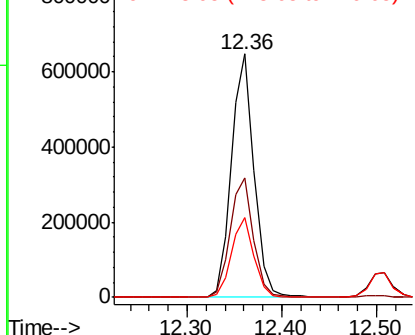
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1063224
Ion Ratio Lower Upper
117 100
82 48.8 36.2 54.2
119 33.0 26.2 39.4

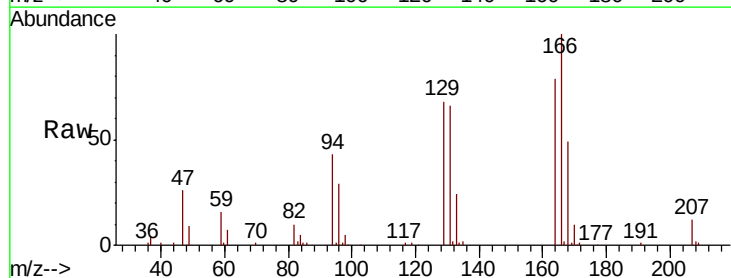


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

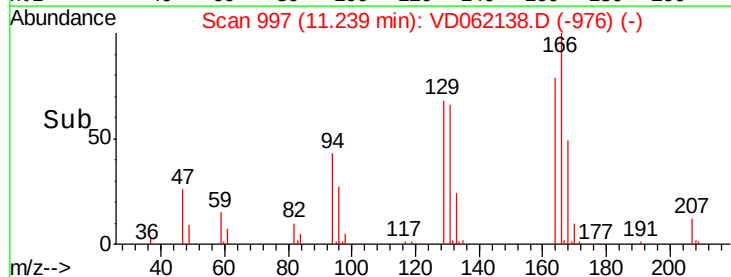
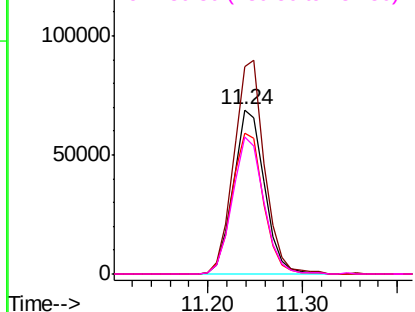


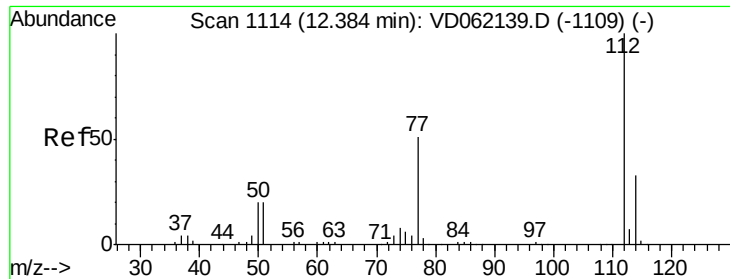
#64
Tetrachloroethene
Concen: 18.014 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion:164 Resp: 155818
Ion Ratio Lower Upper
164 100
166 126.4 101.5 152.3
129 85.4 74.6 112.0
131 83.3 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

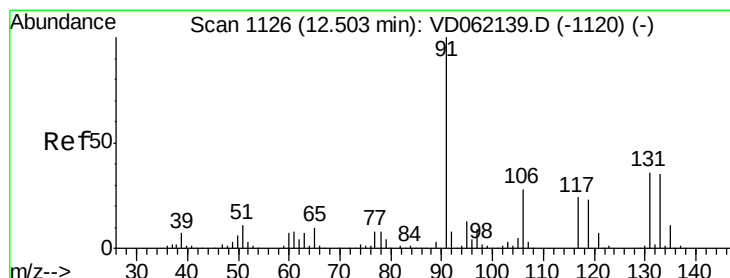
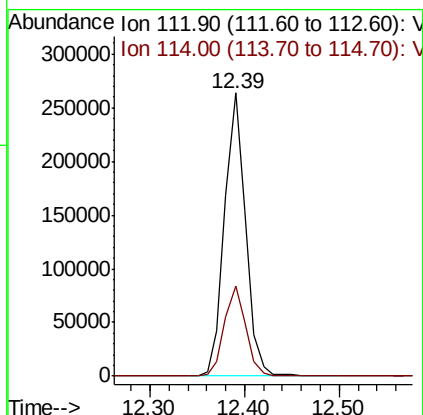
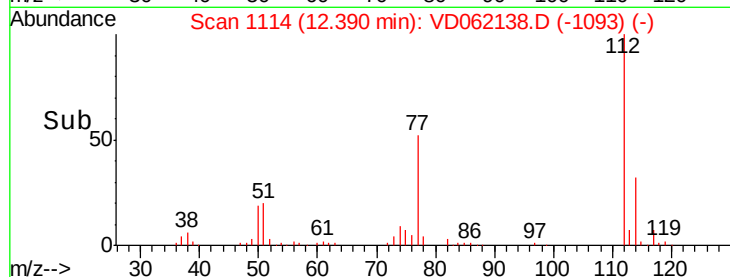
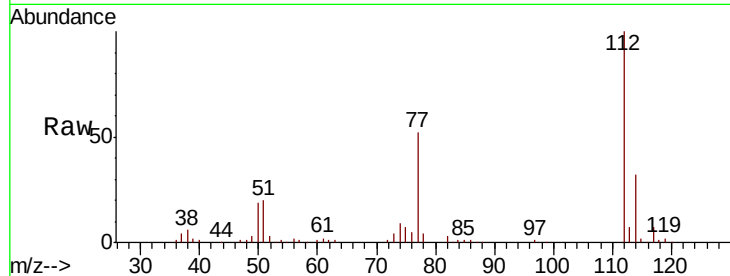




#65
Chlorobenzene
Concen: 20.771 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

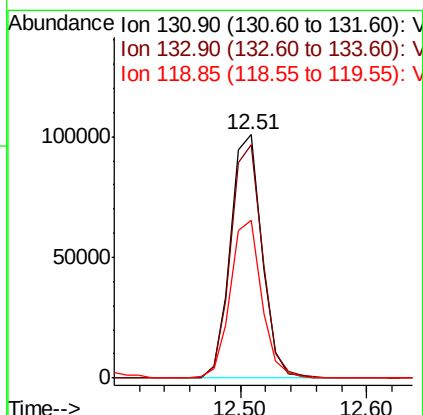
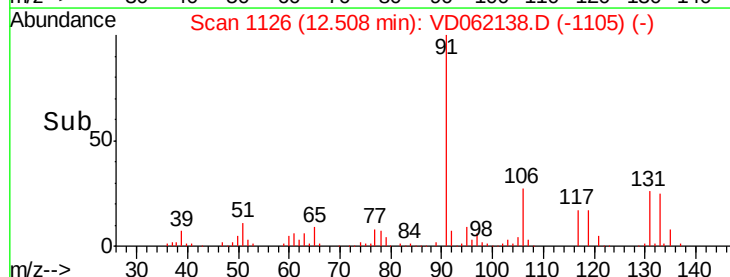
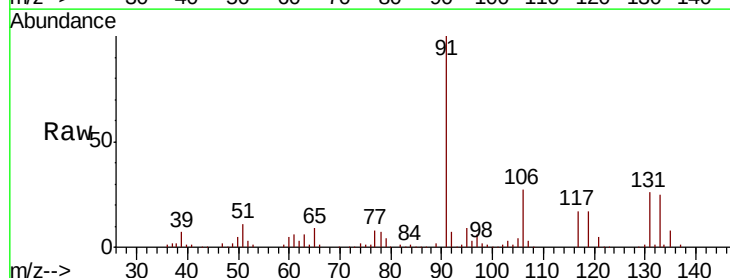
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

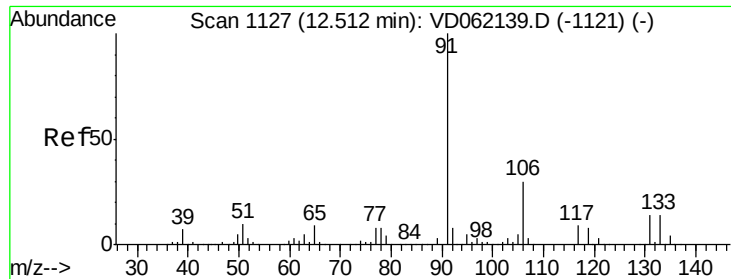
Tgt Ion:112 Resp: 405362
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.725 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion:131 Resp: 172895
Ion Ratio Lower Upper
131 100
133 95.8 48.6 145.8
119 64.9 34.7 104.1

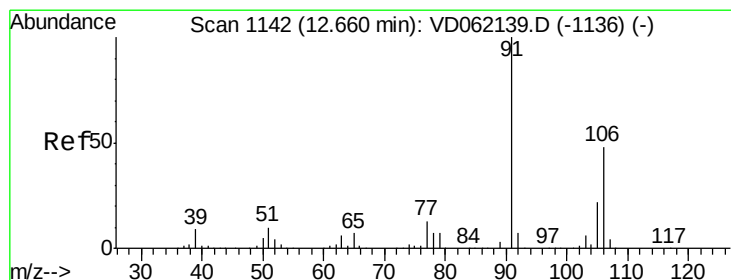
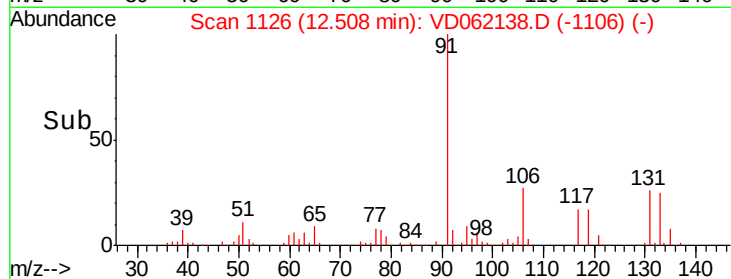
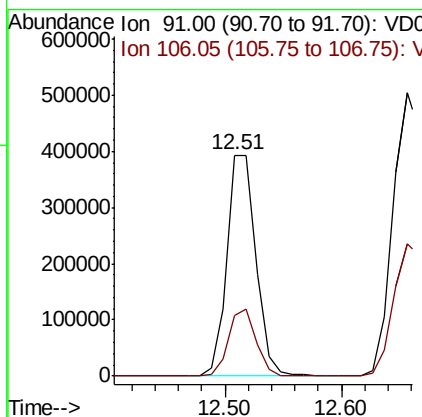
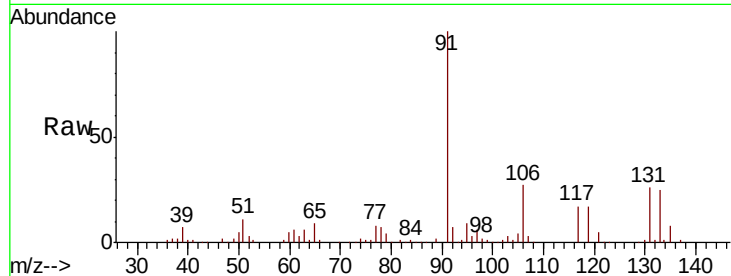




#67
Ethyl Benzene
Concen: 19.351 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

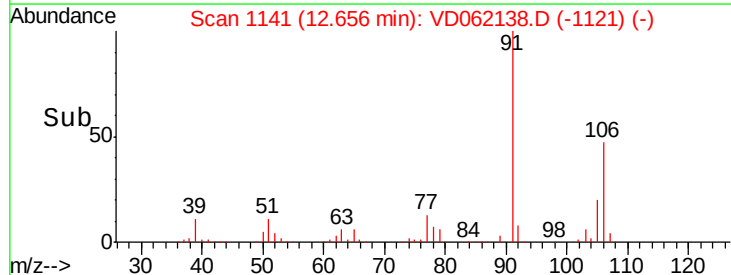
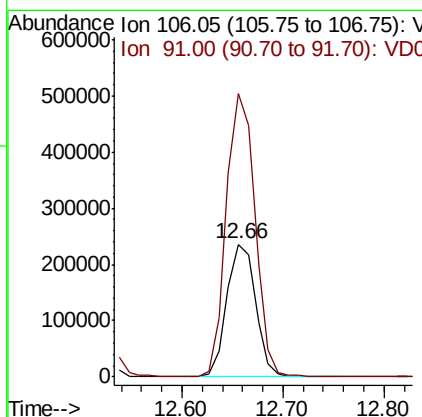
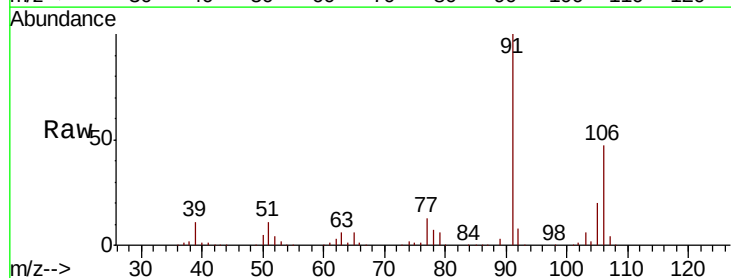
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

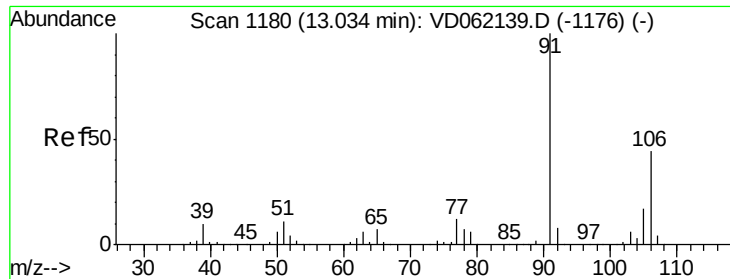
Tgt Ion: 91 Resp: 679138
Ion Ratio Lower Upper
91 100
106 27.2 24.7 37.1



#68
m/p-Xylenes
Concen: 35.560 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 106 Resp: 469443
Ion Ratio Lower Upper
106 100
91 213.2 164.0 246.0

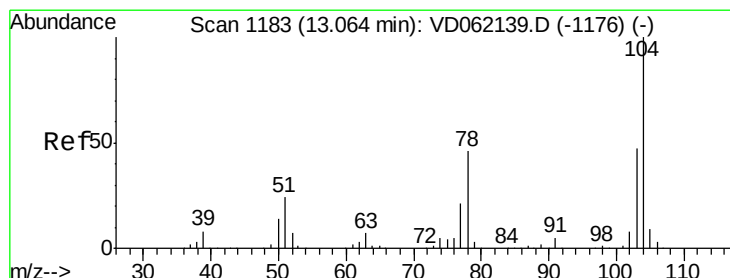
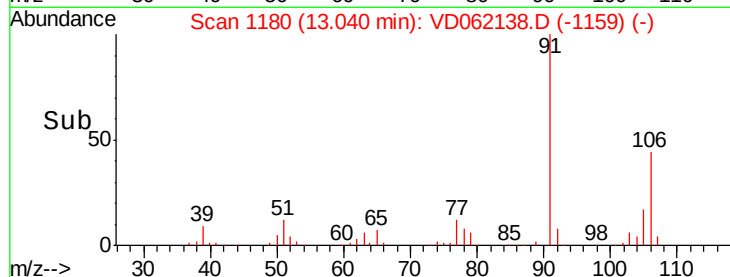
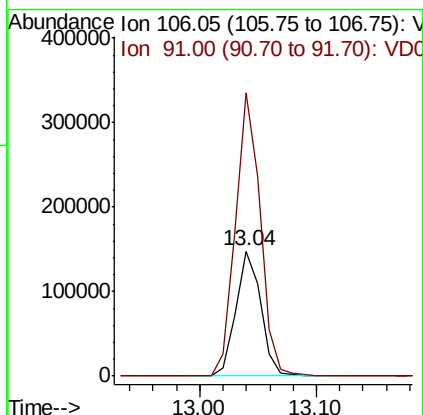
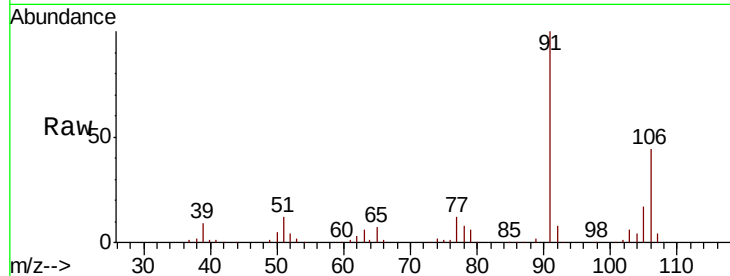




#69
o-Xylene
Concen: 18.540 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

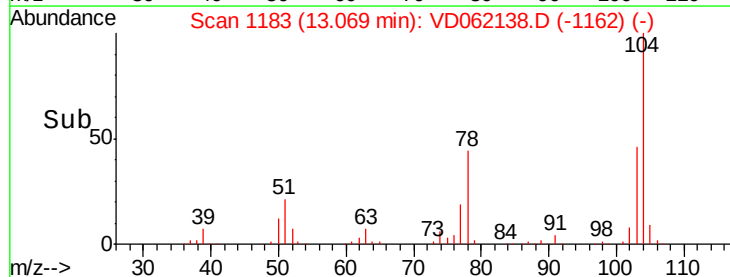
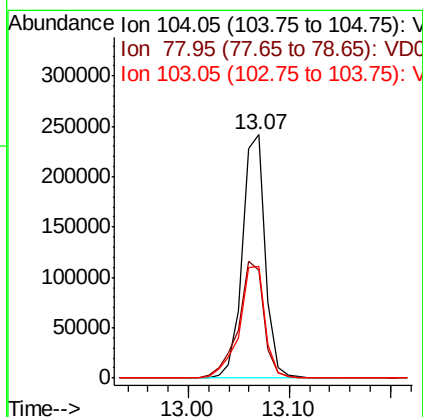
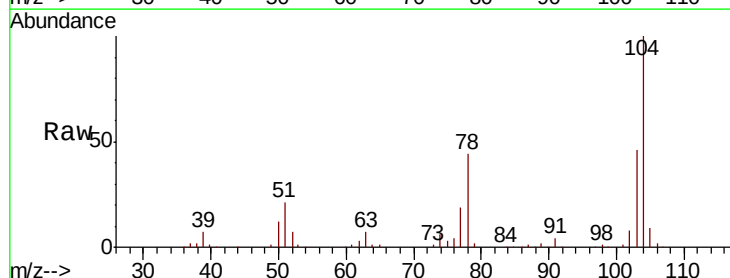
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

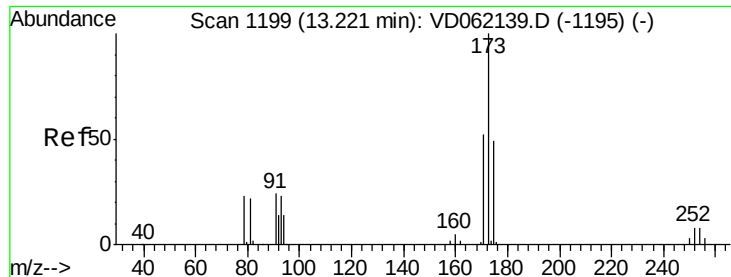
Tgt Ion:106 Resp: 219697
Ion Ratio Lower Upper
106 100
91 226.5 106.7 319.9



#70
Styrene
Concen: 19.567 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion:104 Resp: 379070
Ion Ratio Lower Upper
104 100
78 44.1 35.4 53.2
103 46.0 37.5 56.3





#71

Bromoform

Concen: 18.222 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

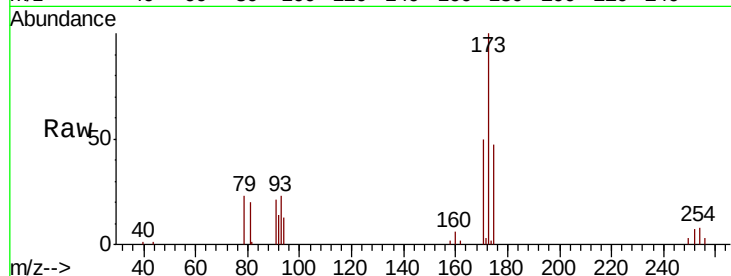
Tgt Ion:173 Resp: 116713

Ion Ratio Lower Upper

173 100

175 47.2 24.4 73.4

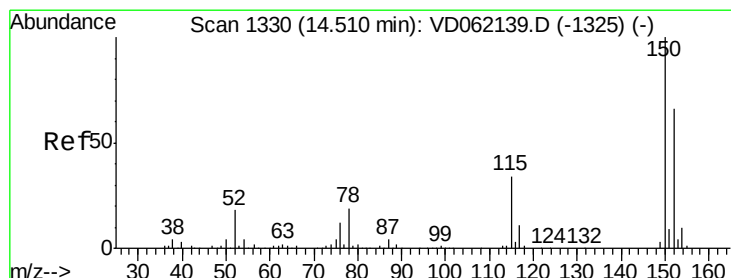
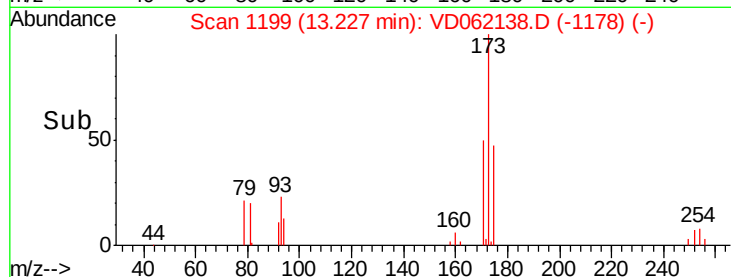
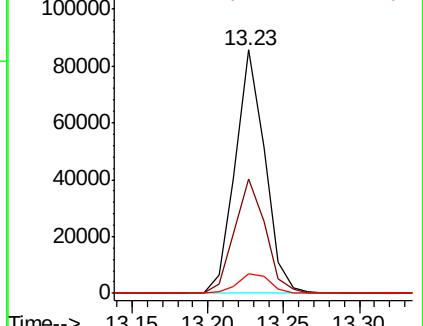
254 8.2 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

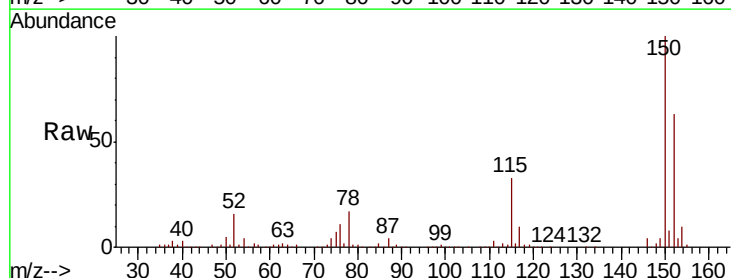
Tgt Ion:152 Resp: 550846

Ion Ratio Lower Upper

152 100

115 52.3 30.9 92.7

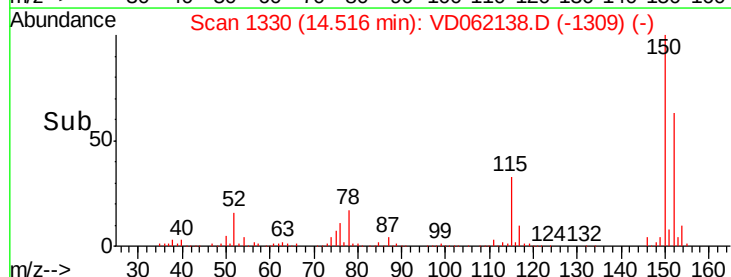
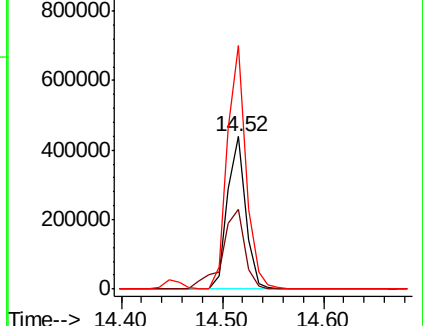
150 159.8 0.0 314.8

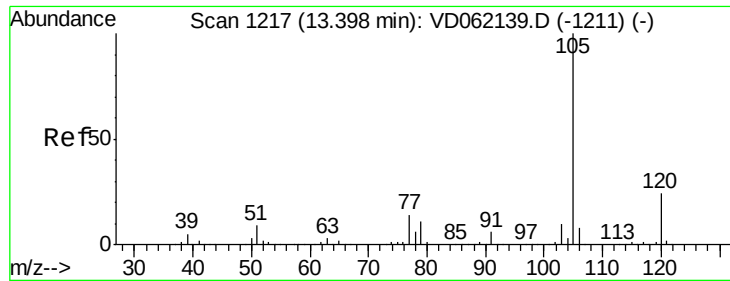


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

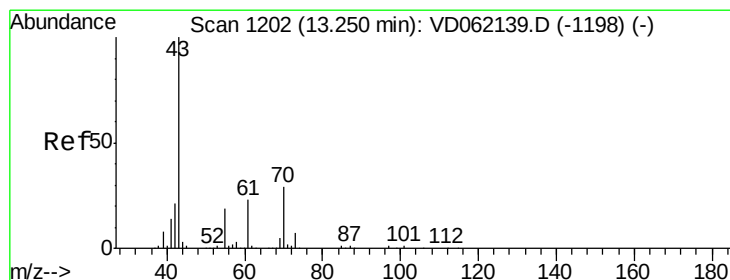
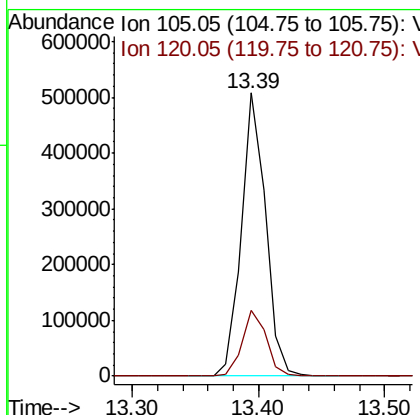
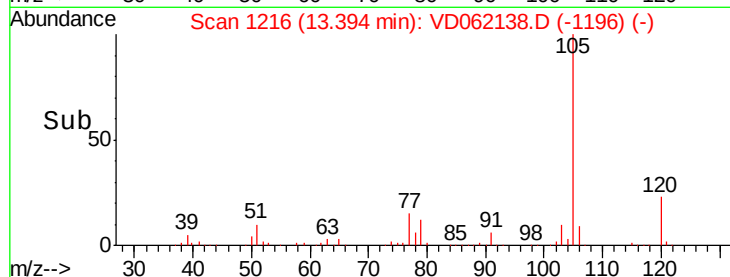
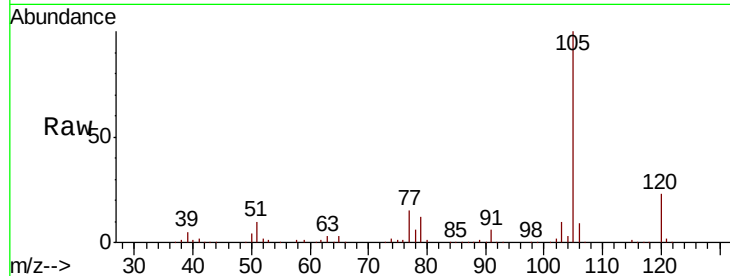




#73
Isopropylbenzene
Concen: 20.396 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

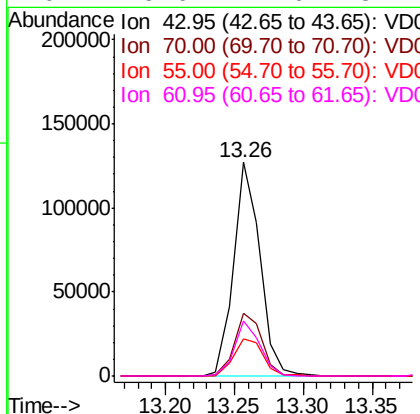
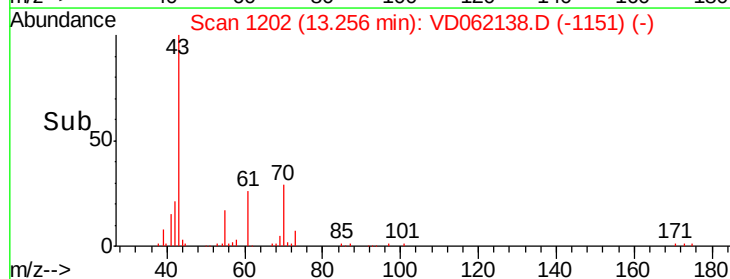
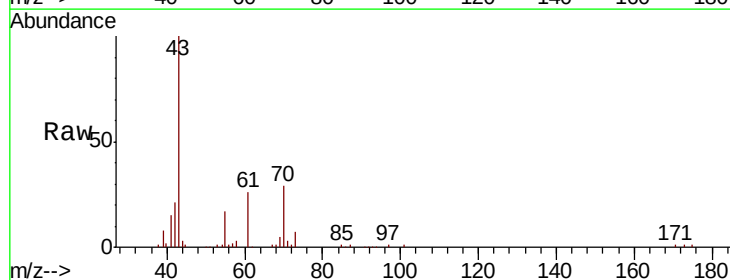
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

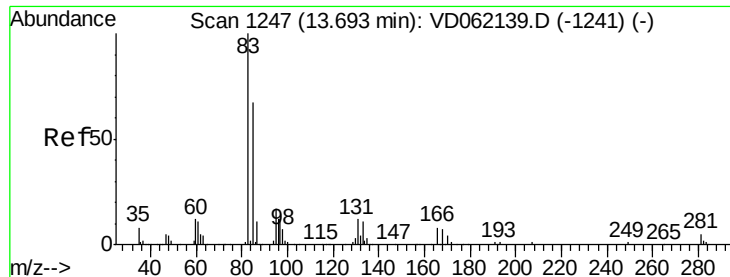
Tgt Ion: 105 Resp: 670223
Ion Ratio Lower Upper
105 100
120 23.3 12.0 36.1



#74
N-ethyl acetate
Concen: 19.924 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion: 43 Resp: 169144
Ion Ratio Lower Upper
43 100
70 29.1 24.2 36.4
55 17.4 16.0 24.0
61 25.6 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.422 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

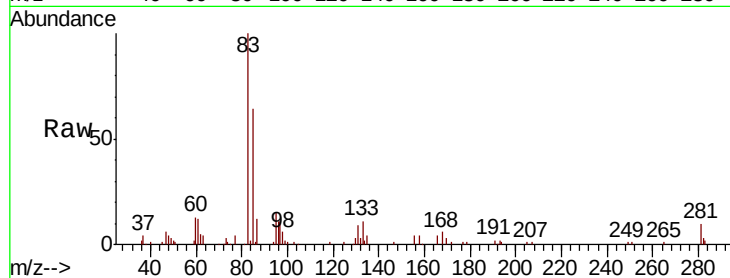
Tgt Ion: 83 Resp: 120294

Ion Ratio Lower Upper

83 100

131 9.4 5.0 14.9

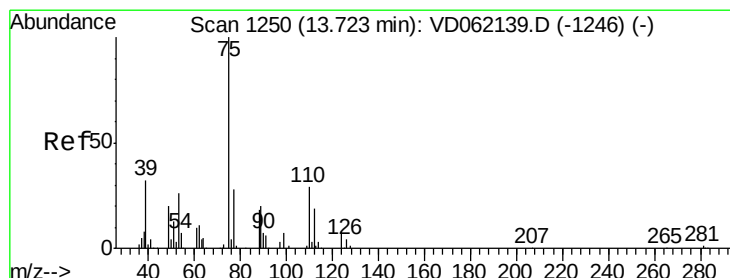
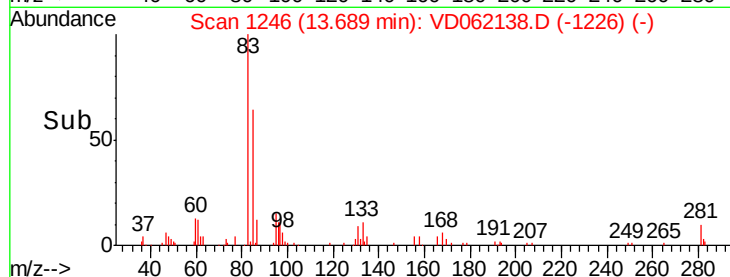
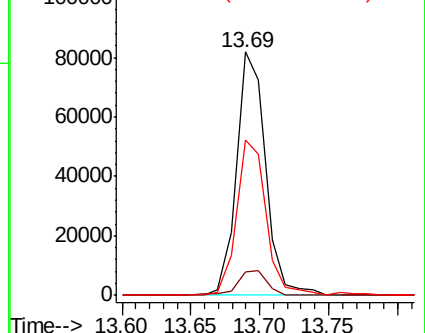
85 63.6 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.772 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062138.D

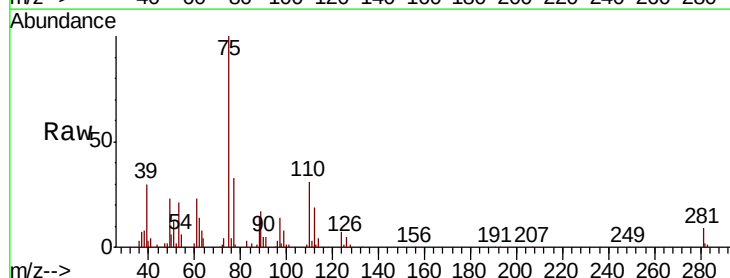
Acq: 7 May 2019 12:35

Tgt Ion: 75 Resp: 132372

Ion Ratio Lower Upper

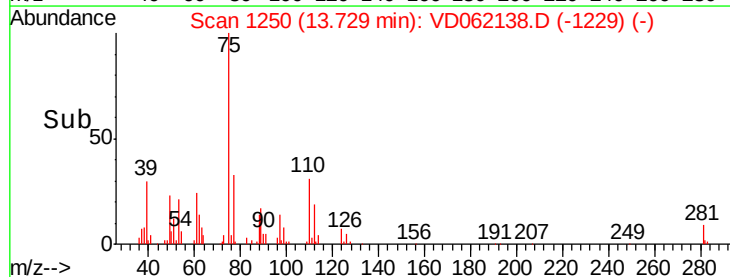
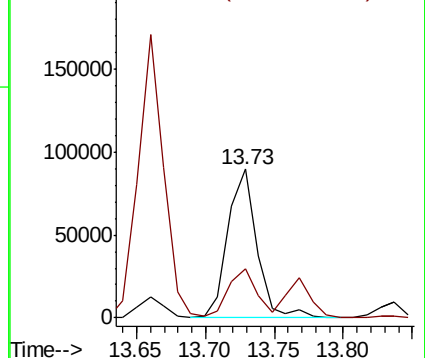
75 100

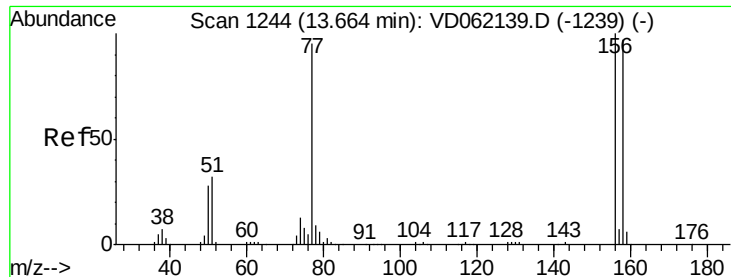
77 33.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.963 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

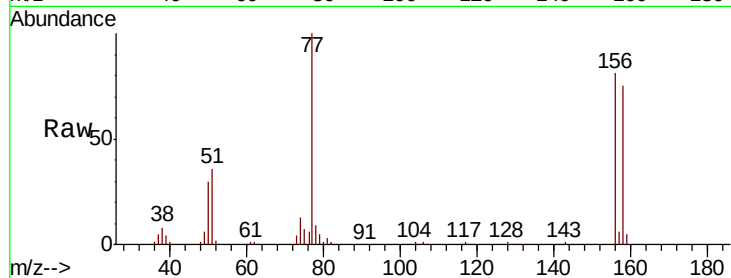
Tgt Ion:156 Resp: 187906

Ion Ratio Lower Upper

156 100

77 123.9 53.1 159.4

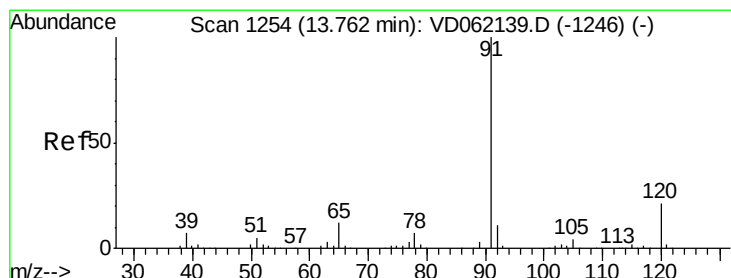
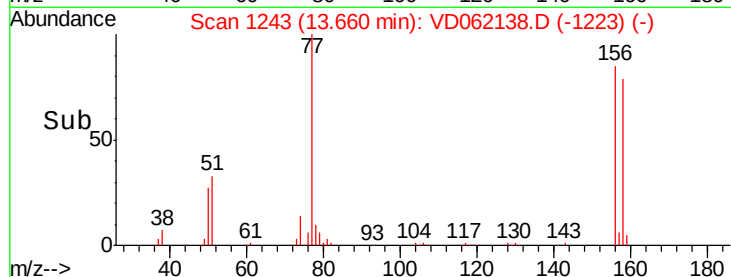
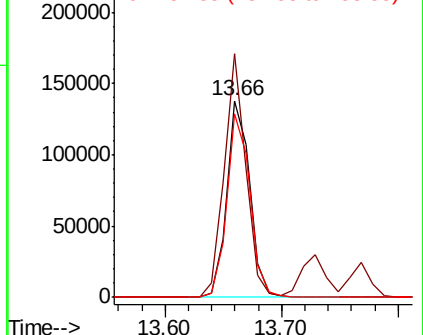
158 93.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.519 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062138.D

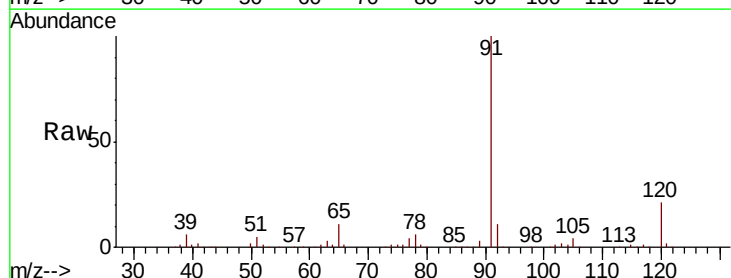
Acq: 7 May 2019 12:35

Tgt Ion: 91 Resp: 763347

Ion Ratio Lower Upper

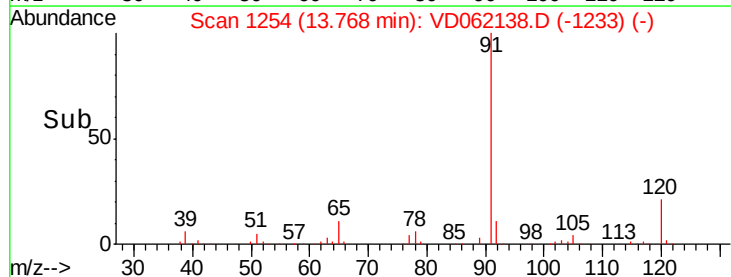
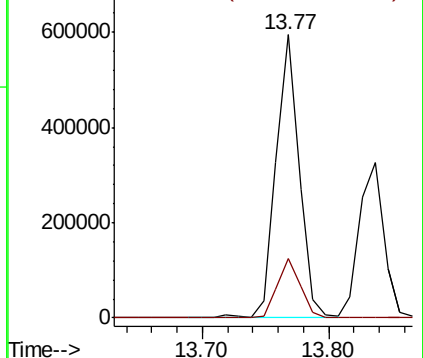
91 100

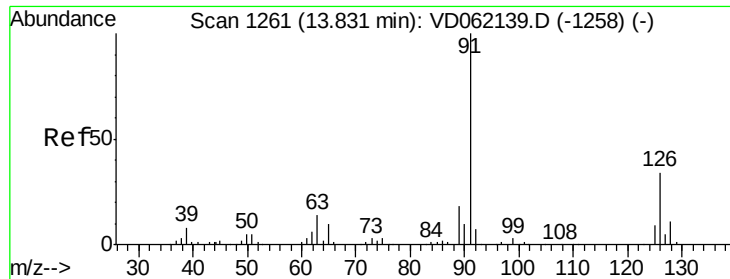
120 20.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

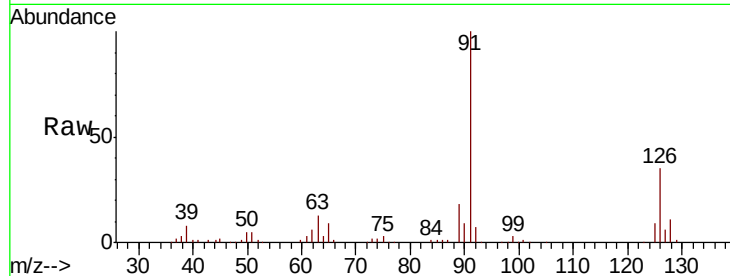




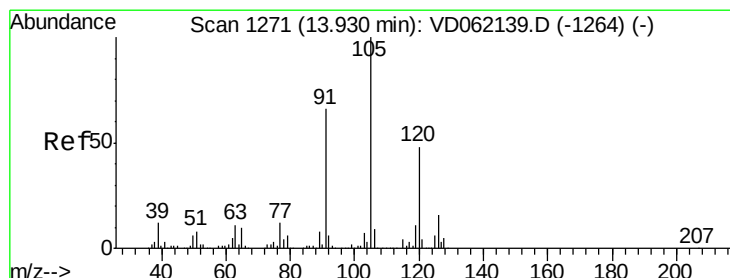
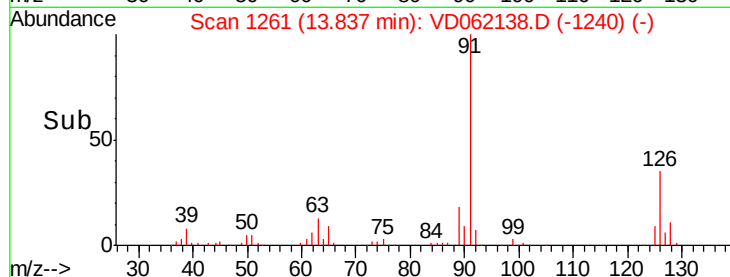
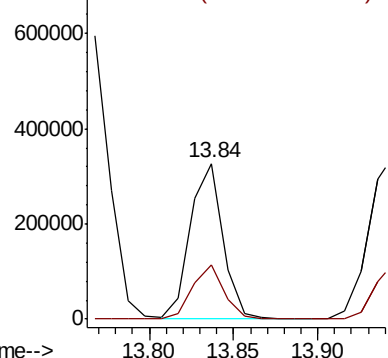
#79
 2-Chlorotoluene
 Concen: 19.944 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 438141
 Ion Ratio Lower Upper
 91 100
 126 34.6 18.6 55.8

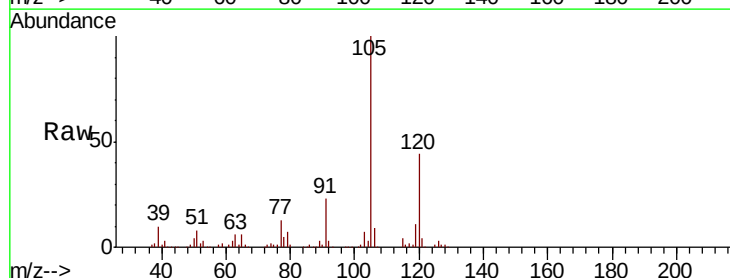


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

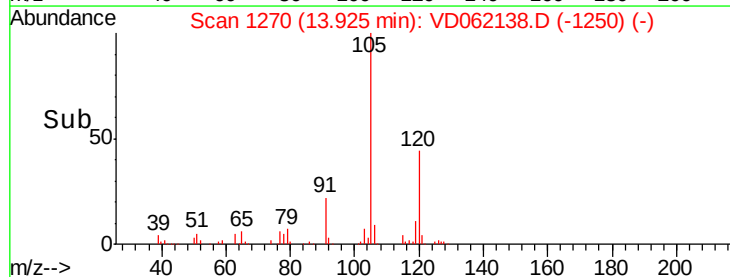
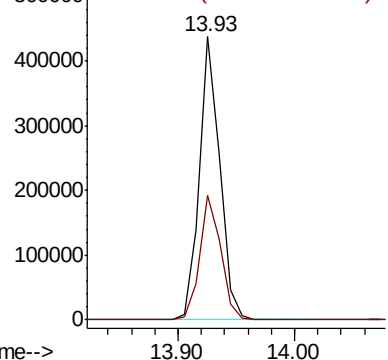


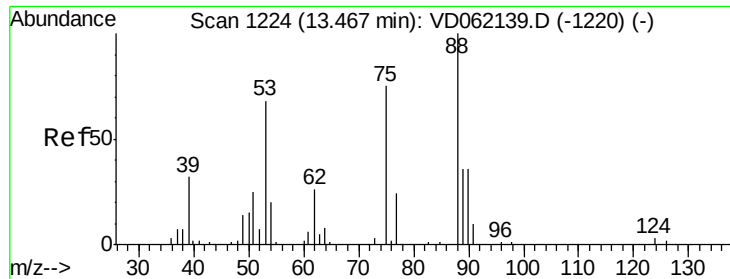
#80
 1,3,5-Trimethylbenzene
 Concen: 19.704 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 105 Resp: 531120
 Ion Ratio Lower Upper
 105 100
 120 44.1 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.903 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

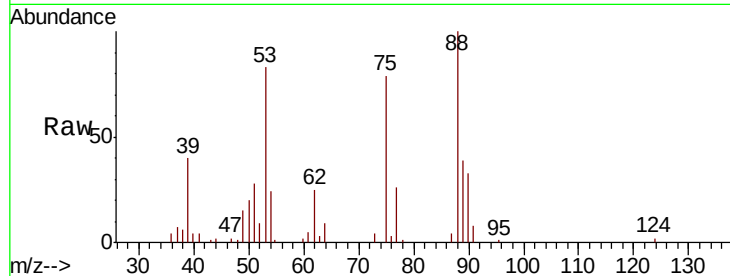
Tgt Ion: 75 Resp: 35824

Ion Ratio Lower Upper

75 100

53 105.2 65.8 98.8#

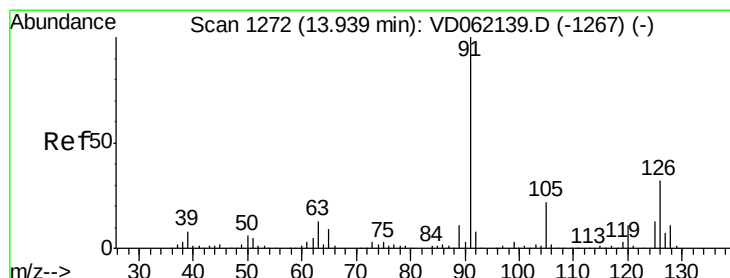
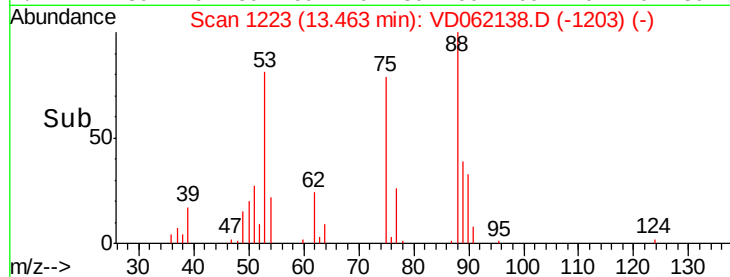
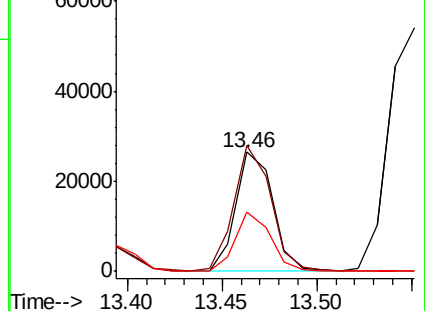
89 50.0 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.788 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062138.D

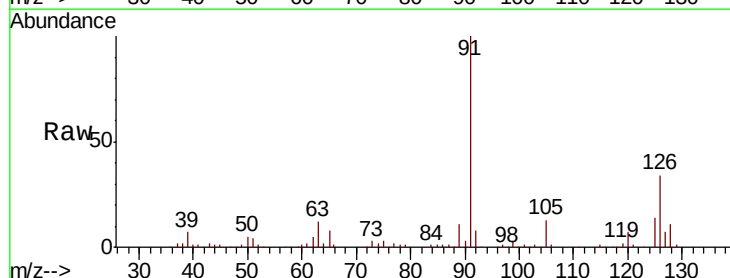
Acq: 7 May 2019 12:35

Tgt Ion: 91 Resp: 513225

Ion Ratio Lower Upper

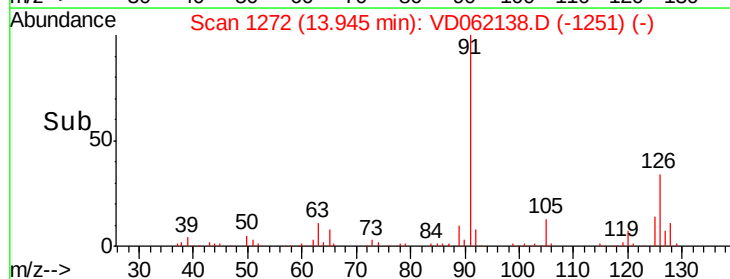
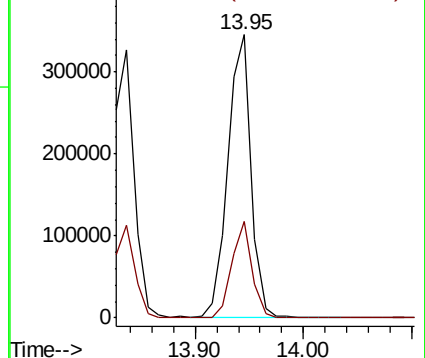
91 100

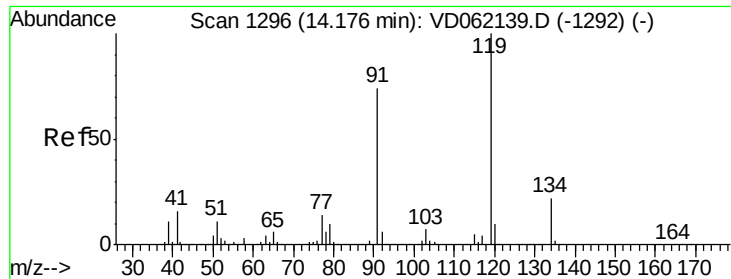
126 34.2 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

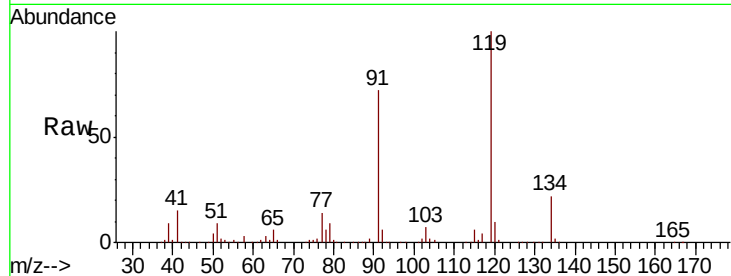




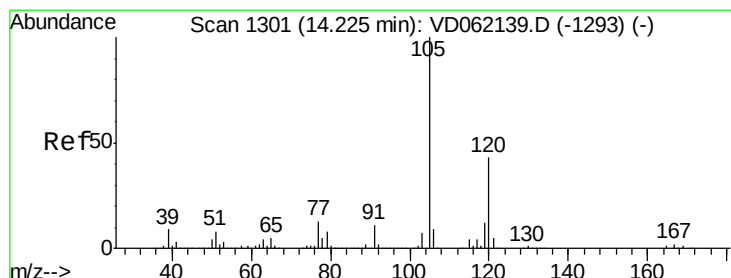
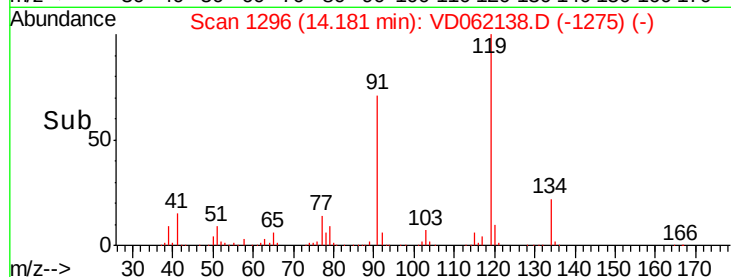
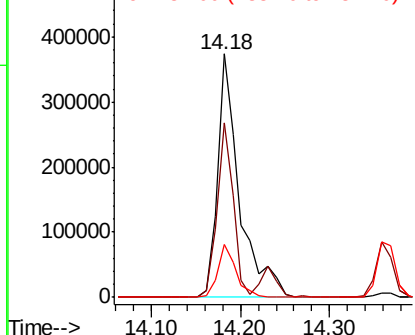
#83
 tert-Butylbenzene
 Concen: 20.383 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 637167
 Ion Ratio Lower Upper
 119 100
 91 71.8 34.2 102.6
 134 21.9 12.0 36.0

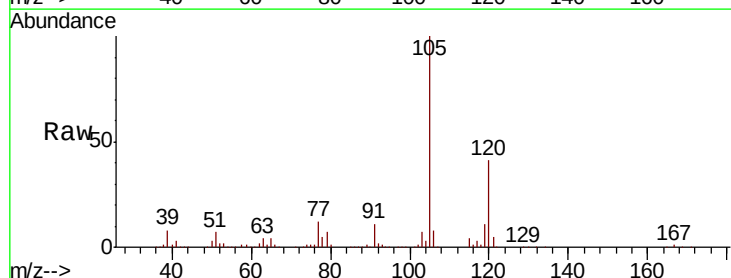


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

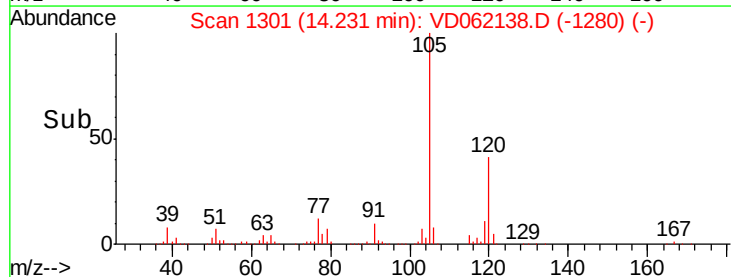
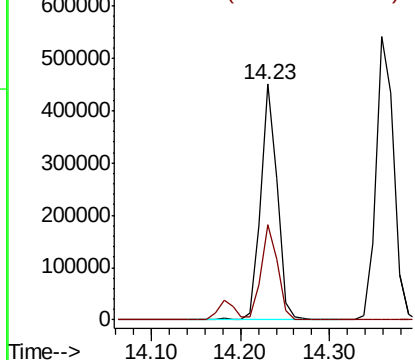


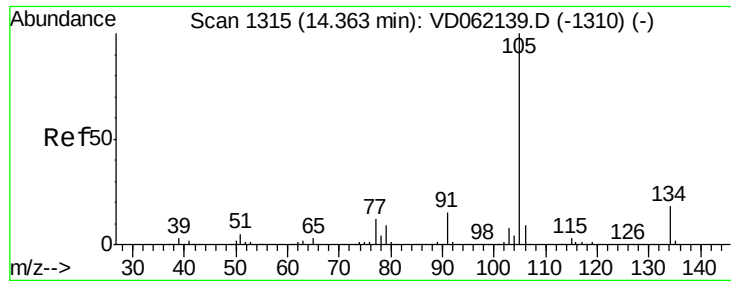
#84
 1,2,4-Trimethylbenzene
 Concen: 20.964 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion:105 Resp: 569261
 Ion Ratio Lower Upper
 105 100
 120 40.6 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 21.762 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

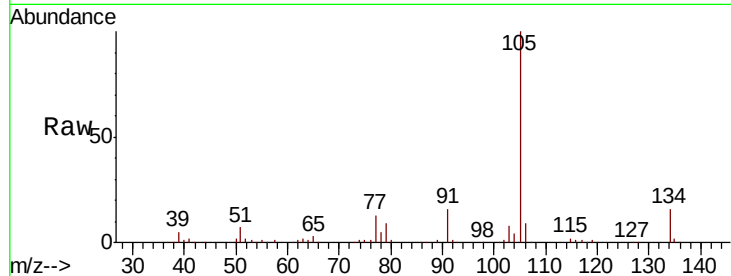
VSTDIC020

Tgt Ion:105 Resp: 728155

Ion Ratio Lower Upper

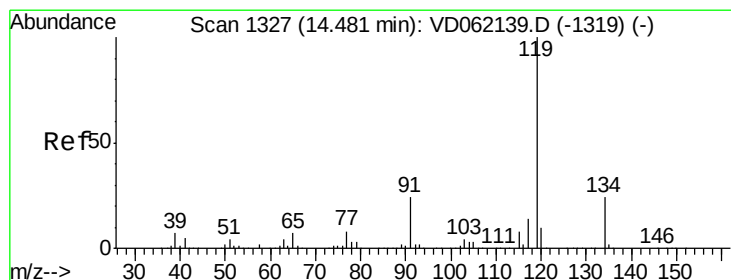
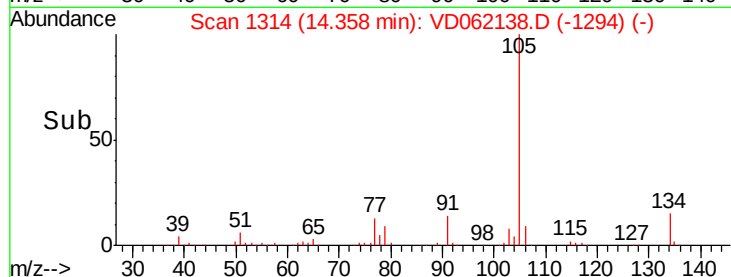
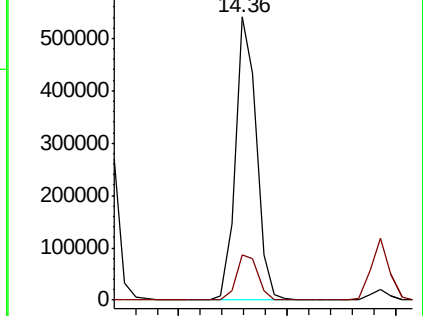
105 100

134 15.8 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.385 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

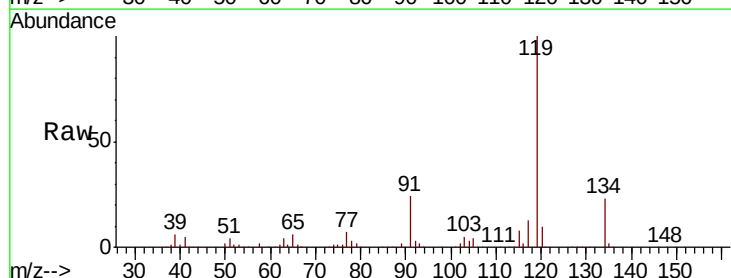
Tgt Ion:119 Resp: 618698

Ion Ratio Lower Upper

119 100

134 23.1 12.8 38.3

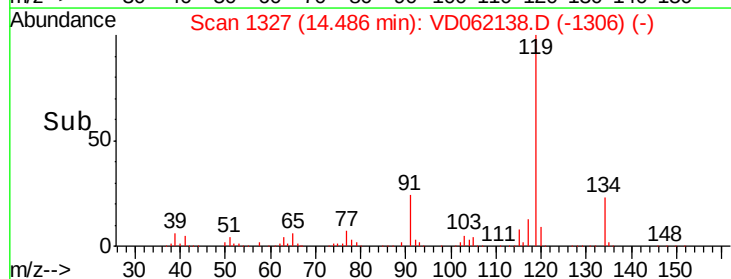
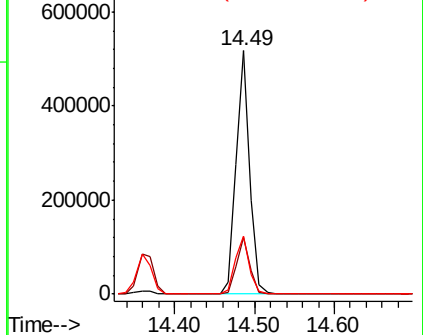
91 24.0 10.7 32.1

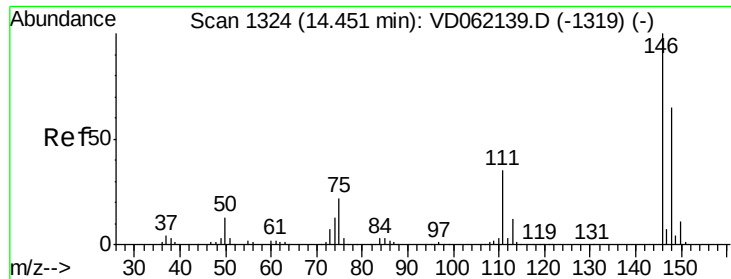


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

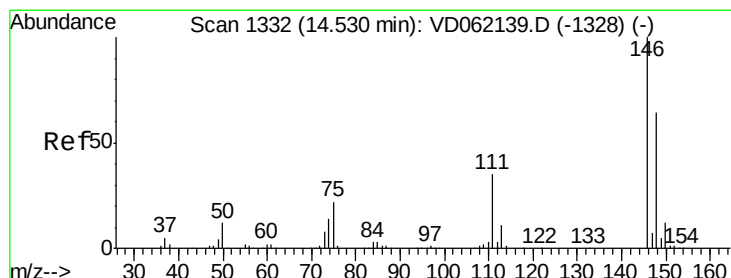
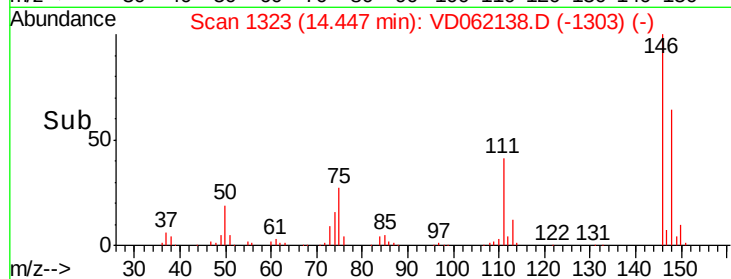
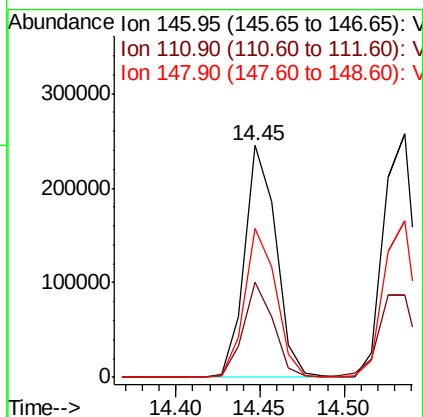
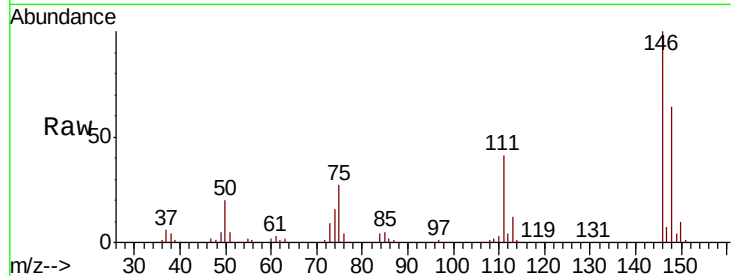




#87
 1,3-Dichlorobenzene
 Concen: 19.375 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

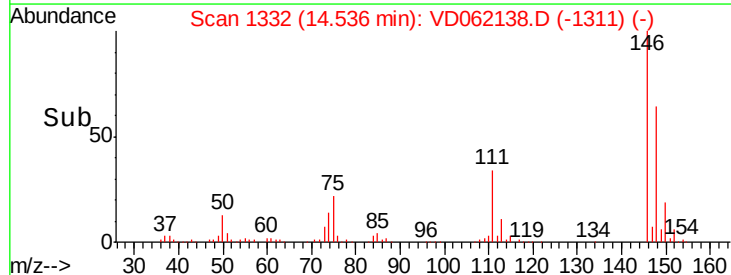
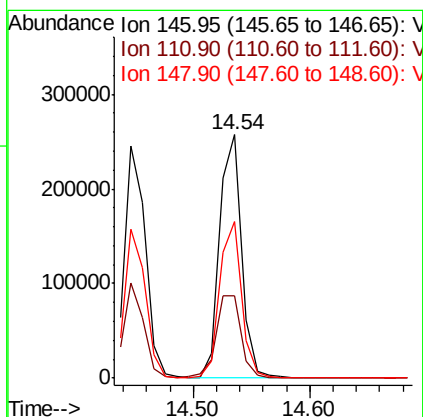
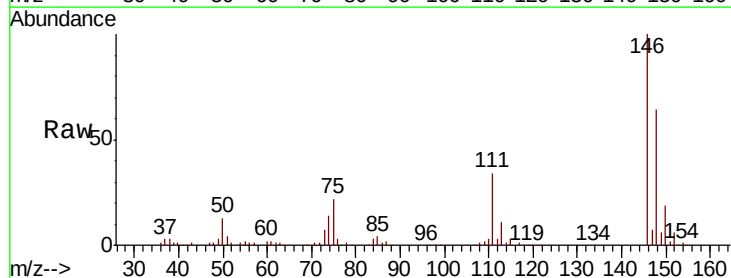
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

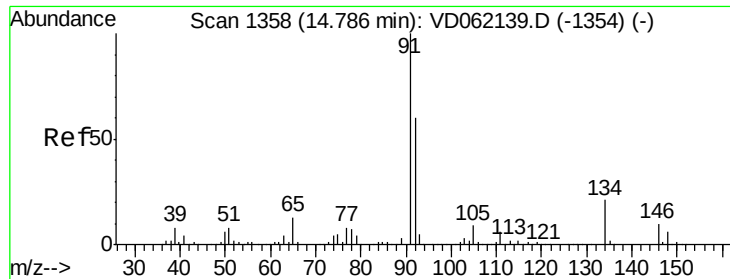
Tgt Ion:146 Resp: 319026
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 60.0
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.636 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion:146 Resp: 337804
 Ion Ratio Lower Upper
 146 100
 111 34.0 20.2 60.5
 148 64.2 32.0 96.2





#89

n-Butylbenzene

Concen: 20.108 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062138.D

Acq: 7 May 2019 12:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

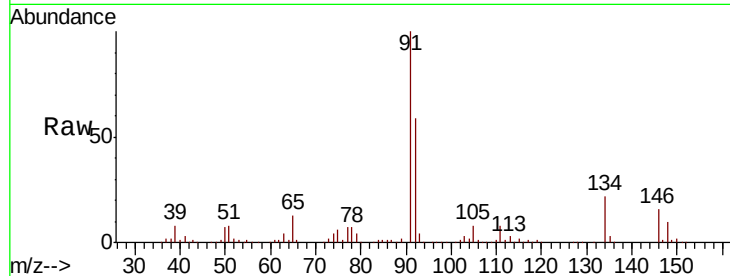
Tgt Ion: 91 Resp: 519632

Ion Ratio Lower Upper

91 100

92 58.8 30.3 91.0

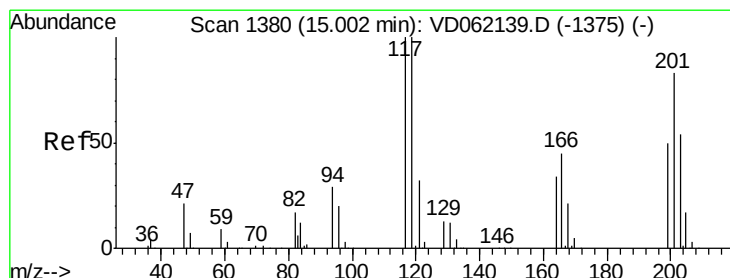
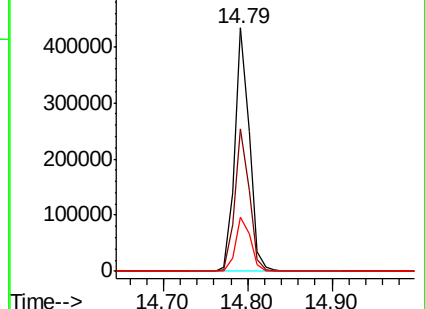
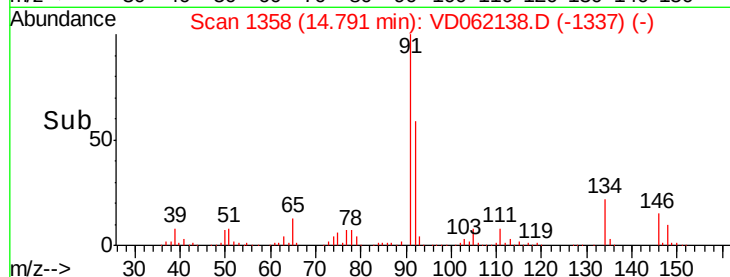
134 22.2 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.973 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062138.D

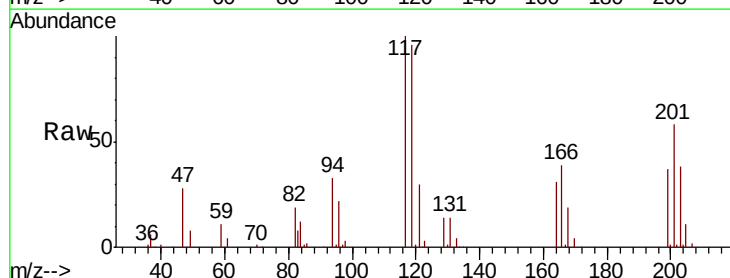
Acq: 7 May 2019 12:35

Tgt Ion: 117 Resp: 166128

Ion Ratio Lower Upper

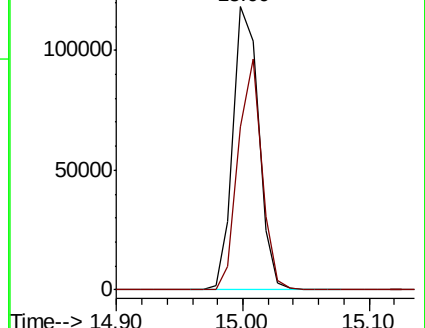
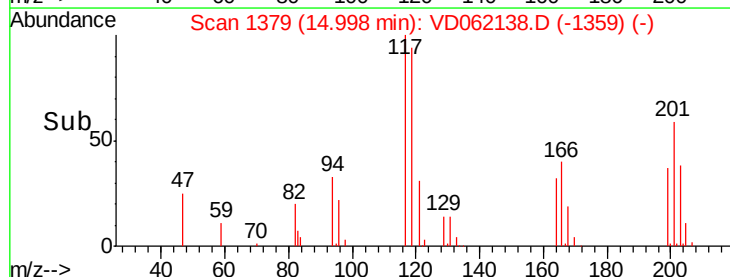
117 100

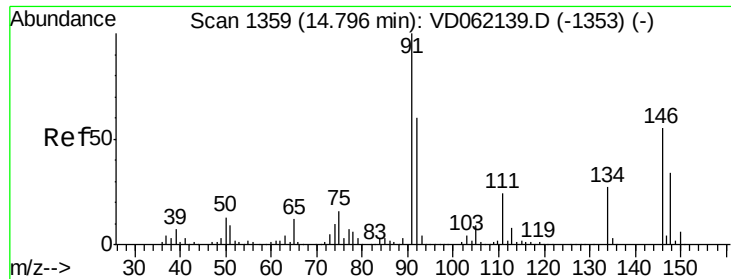
201 57.7 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

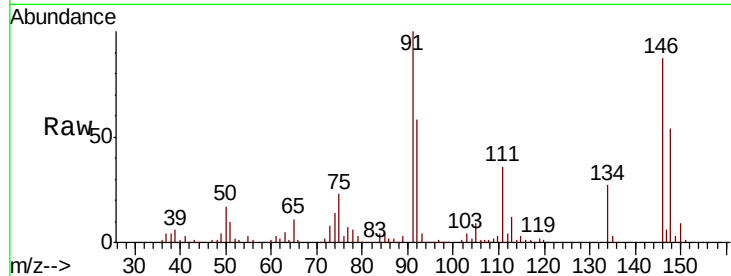




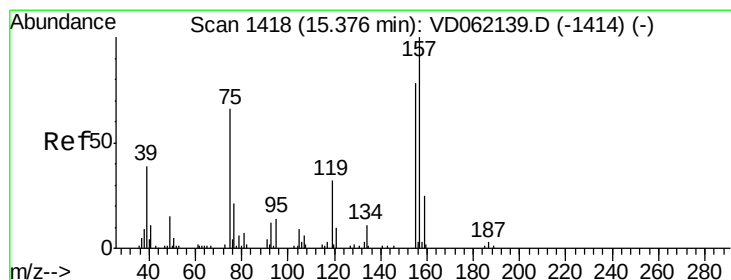
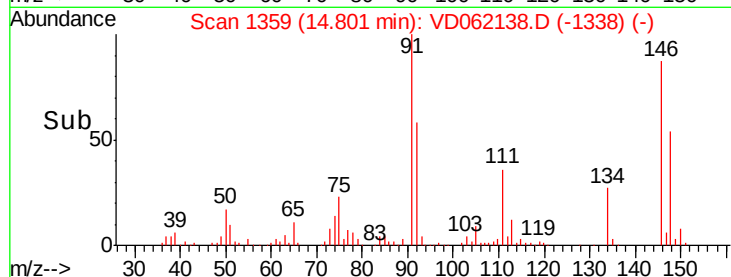
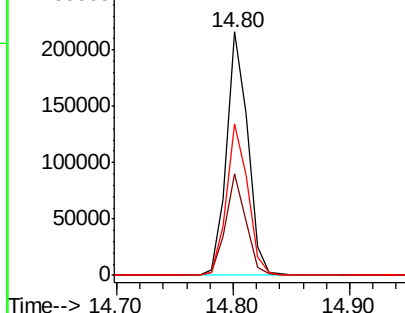
#91
 1,2-Dichlorobenzene
 Concen: 21.335 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 273965
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 59.9
 148 62.1 32.3 96.8

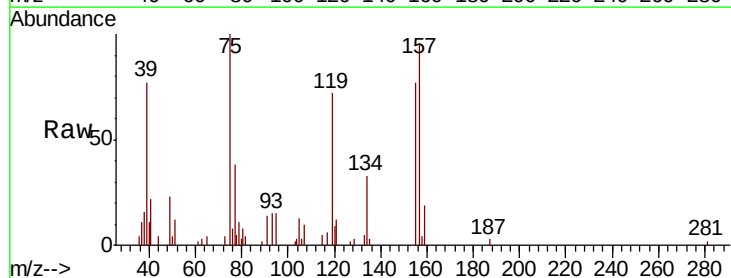


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

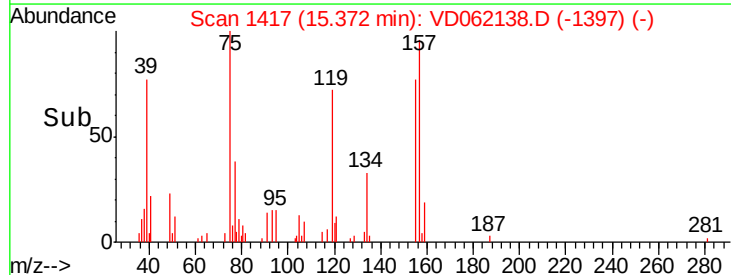
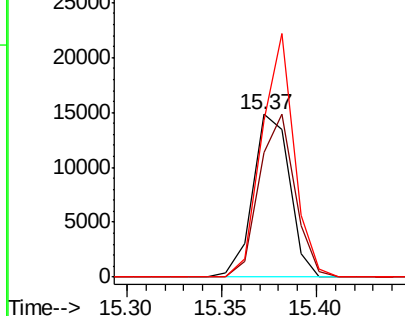


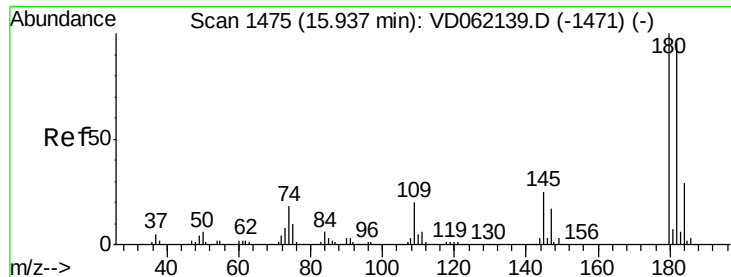
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.066 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion: 75 Resp: 19953
 Ion Ratio Lower Upper
 75 100
 155 76.8 55.3 165.8
 157 96.3 67.8 203.2



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

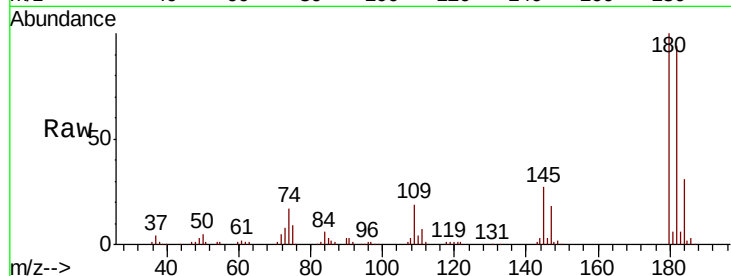




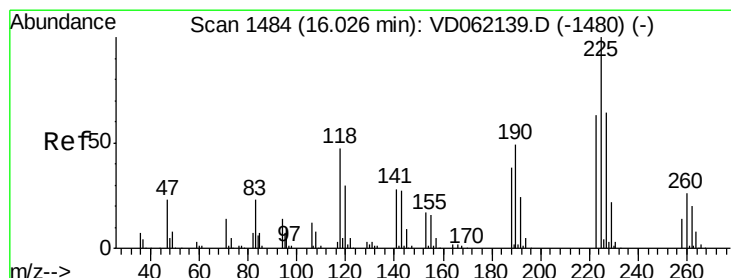
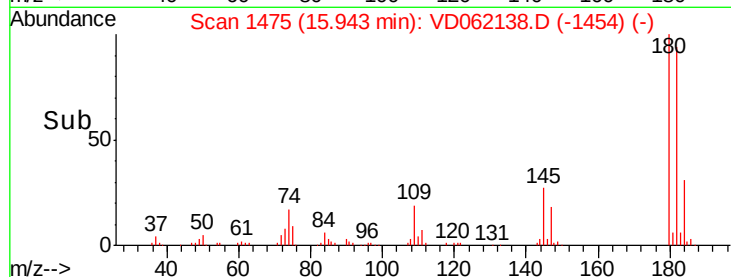
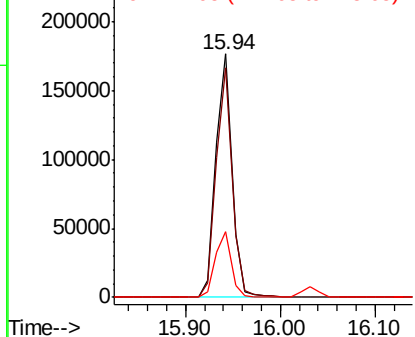
#93
 1,2,4-Trichlorobenzene
 Concen: 22.506 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 210656
 Ion Ratio Lower Upper
 180 100
 182 94.1 49.3 147.8
 145 27.1 16.2 48.6

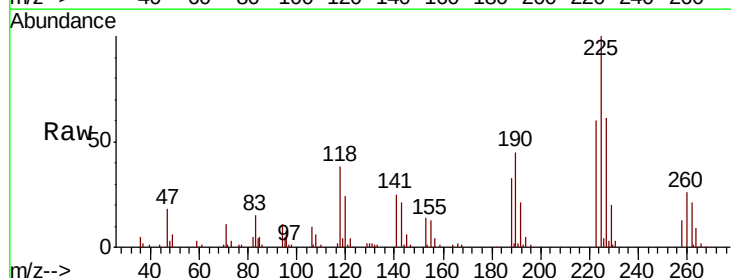


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

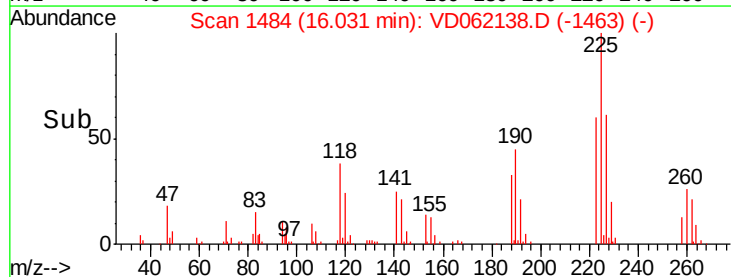
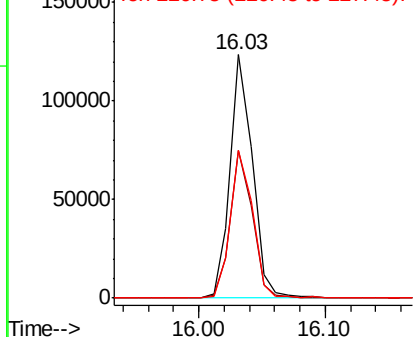


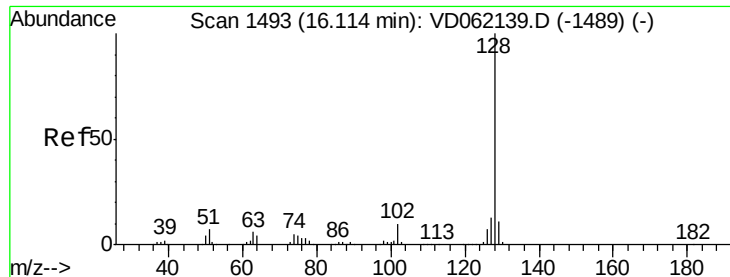
#94
 Hexachlorobutadiene
 Concen: 20.754 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062138.D
 Acq: 7 May 2019 12:35

Tgt Ion:225 Resp: 150528
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.6 92.0
 227 60.6 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

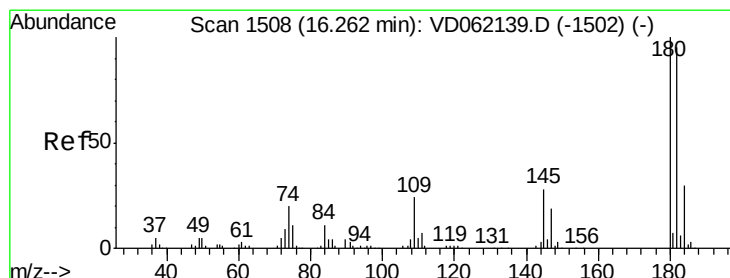
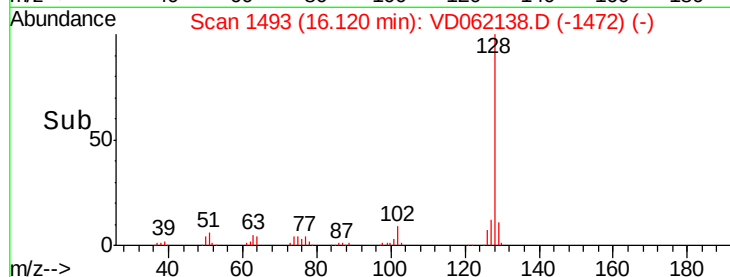
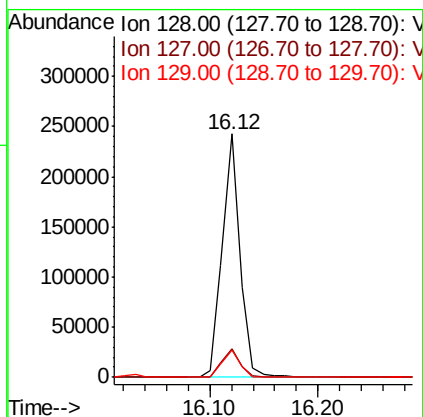
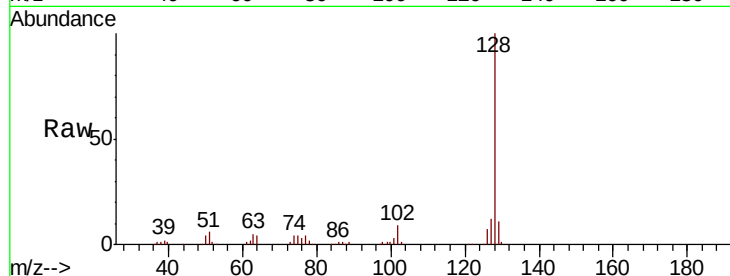




#95
Naphthalene
Concen: 19.781 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 277138
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.460 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062138.D
Acq: 7 May 2019 12:35

Tgt Ion:180 Resp: 126392
Ion Ratio Lower Upper
180 100
182 100.4 47.0 141.0
145 28.7 17.0 51.0

