

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062341.D
 Acq On : 14 May 2019 12:50
 Operator : FY/SY
 Sample : VD0514SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Quant Time: May 14 13:14:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	810497	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1005203	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	900849	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	461352	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	362571	48.14	ug/l	0.04
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	6.94	113	422027	50.60	ug/l	0.04
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.42	98	965083	47.99	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	13.56	95	403054	49.91	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	123244	15.899	ug/l	98
3) Chloromethane	1.75	50	91915	16.410	ug/l	95
4) Vinyl Chloride	1.86	62	93185	16.928	ug/l	97
5) Bromomethane	2.16	94	29038	22.513	ug/l	96
6) Chloroethane	2.26	64	41854	18.120	ug/l	98
7) Trichlorofluoromethane	2.53	101	221331	20.681	ug/l	98
8) Diethyl Ether	2.88	74	36804	17.831	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	148774	18.377	ug/l	95
10) Methyl Iodide	3.32	142	143255	11.708	ug/l #	79
11) Tert butyl alcohol	4.08	59	36549	95.063	ug/l	98
12) 1,1-Dichloroethene	3.14	96	104023	16.832	ug/l	91
13) Acrolein	3.04	56	34017	85.543	ug/l	97
14) Allyl chloride	3.63	41	162592	18.095	ug/l #	74
15) Acrylonitrile	4.21	53	94824	93.833	ug/l	88
16) Acetone	3.24	43	177551	112.406	ug/l #	87
17) Carbon Disulfide	3.39	76	257102	14.462	ug/l	100
18) Methyl Acetate	3.65	43	52177	18.277	ug/l #	88
19) Methyl tert-butyl Ether	4.25	73	250167	18.886	ug/l	96
20) Methylene Chloride	3.83	84	117402	17.801	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	119728	17.410	ug/l	91
22) Diisopropyl ether	5.13	45	357989	18.722	ug/l #	81
23) Vinyl Acetate	5.08	43	1060112	105.082	ug/l	99
24) 1,1-Dichloroethane	5.01	63	215822	18.710	ug/l	99
25) 2-Butanone	6.09	43	170019	98.681	ug/l	99
26) 2,2-Dichloropropane	6.04	77	244593	21.287	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	140705	18.280	ug/l	95
28) Bromochloromethane	6.46	49	103908	22.896	ug/l	81
29) Tetrahydrofuran	6.48	42	74001	93.218	ug/l	93
30) Chloroform	6.68	83	260069	18.708	ug/l	97
31) Cyclohexane	6.98	56	120751	15.280	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	260009	19.788	ug/l	96
36) 1,1-Dichloropropene	7.16	75	175560	21.301	ug/l	93
37) Ethyl Acetate	6.20	43	74476	21.308	ug/l #	90
38) Carbon Tetrachloride	7.12	117	253103	22.188	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	140502	17.793	ug/l	91
40) Benzene	7.47	78	354186	19.031	ug/l	97
41) Methacrylonitrile	6.47	41	94952	22.230	ug/l #	89
42) 1,2-Dichloroethane	7.60	62	176125	22.336	ug/l	94
43) Isopropyl Acetate	9.26	43	98091	19.788	ug/l #	88
44) Trichloroethene	8.55	130	136378	19.231	ug/l	79
45) 1,2-Dichloropropane	8.96	63	89610	19.466	ug/l	99
46) Dibromomethane	9.08	93	78571	20.989	ug/l	93
47) Bromodichloromethane	9.39	83	189518	20.698	ug/l	99
48) Methyl methacrylate	9.13	41	69320	22.703	ug/l #	85
49) 1,4-Dioxane	9.10	88	11394	345.864	ug/l #	94
51) 4-Methyl-2-Pentanone	10.31	43	343354	107.757	ug/l	96
52) Toluene	10.52	92	244933	20.227	ug/l	93
53) t-1,3-Dichloropropene	10.93	75	173055	21.868	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	173849	20.137	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	90621	21.151	ug/l	95
56) Ethyl methacrylate	11.05	69	89132	20.020	ug/l #	87
57) 1,3-Dichloropropane	11.43	76	137732	21.279	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	260481	107.109	ug/l	99
59) 2-Hexanone	11.54	43	273881	116.620	ug/l	91
60) Dibromochloromethane	11.70	129	159097	21.487	ug/l	99
61) 1,2-Dibromoethane	11.82	107	102231	19.626	ug/l	95
64) Tetrachloroethene	11.27	164	130263	18.492	ug/l	93
65) Chlorobenzene	12.41	112	310796	18.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	141759	19.413	ug/l	97
67) Ethyl Benzene	12.54	91	561376	19.985	ug/l	97
68) m/p-Xylenes	12.68	106	388666	38.031	ug/l	89
69) o-Xylene	13.06	106	158624	16.695	ug/l	76
70) Styrene	13.08	104	273416	16.988	ug/l #	91
71) Bromoform	13.25	173	92356	18.179	ug/l	99
73) Isopropylbenzene	13.41	105	509710	18.431	ug/l	94
74) N-amyl acetate	13.28	43	136693	18.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	92104	17.592	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	108470	19.784	ug/l	99
77) Bromobenzene	13.68	156	150995	19.504	ug/l	96
78) n-propylbenzene	13.79	91	672070	20.372	ug/l	97
79) 2-Chlorotoluene	13.85	91	390729	20.681	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	462345	19.854	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	27132	17.529	ug/l #	71
82) 4-Chlorotoluene	13.95	91	446720	20.093	ug/l	85
83) tert-Butylbenzene	14.20	119	501032	19.142	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	497333	21.282	ug/l	92
85) sec-Butylbenzene	14.38	105	584930	20.382	ug/l	100
86) p-Isopropyltoluene	14.50	119	482539	18.819	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	264130	18.677	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	255152	18.362	ug/l	99
89) n-Butylbenzene	14.81	91	467196	20.300	ug/l	98
90) Hexachloroethane	15.02	117	129004	18.501	ug/l	77
91) 1,2-Dichlorobenzene	14.82	146	232095	19.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16180	18.827	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

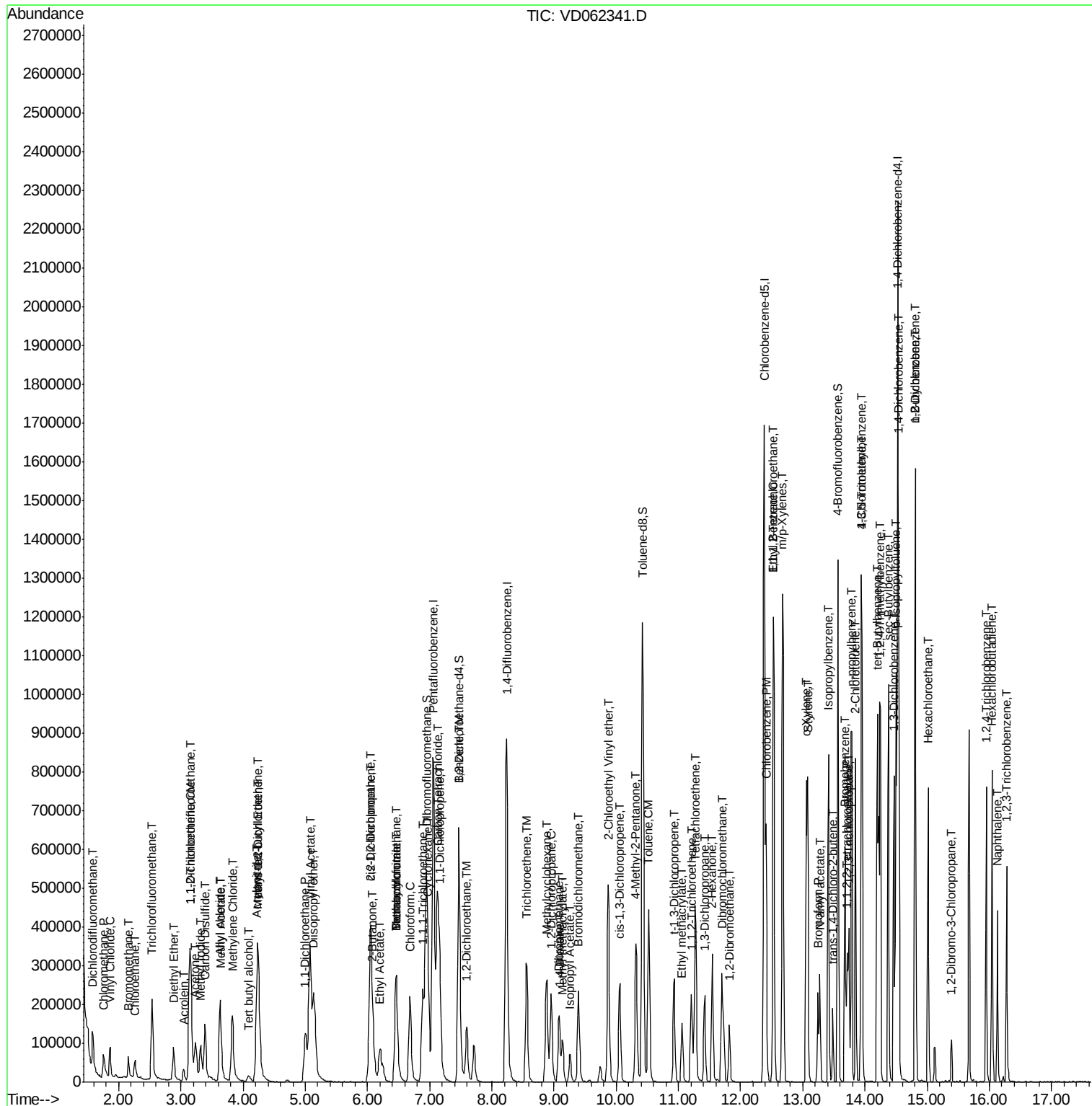
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	176789	20.854	ug/l	98
94) Hexachlorobutadiene	16.04	225	128317	20.351	ug/l	97
95) Naphthalene	16.13	128	244542	20.662	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	127062	23.839	ug/l	95

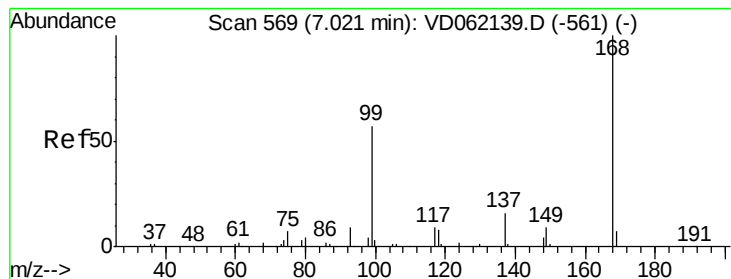
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

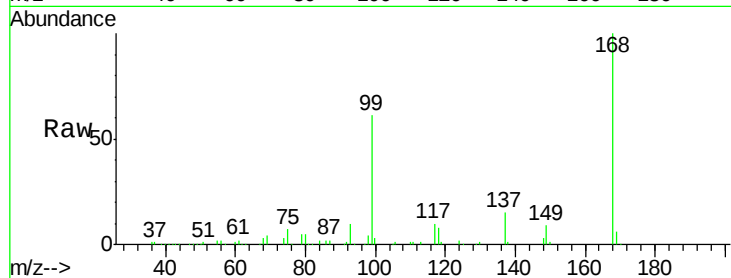
VD0514SBS01

Tot Ion:168 Resp: 810497

Ion Ratio Lower Upper

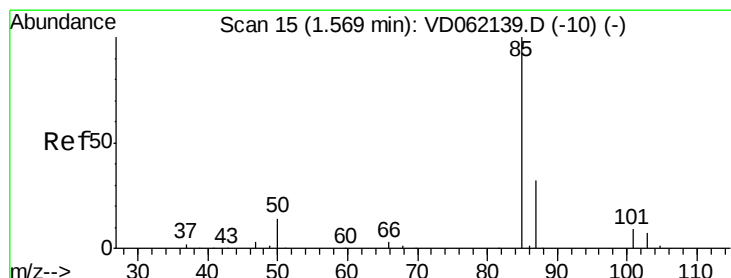
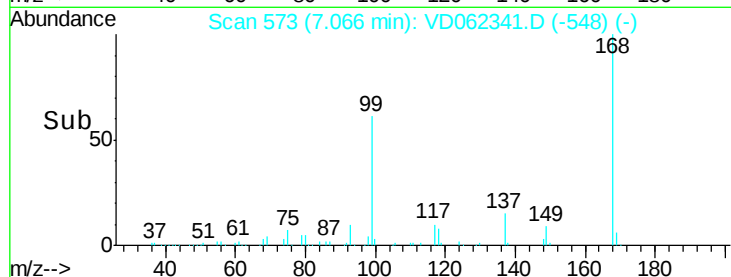
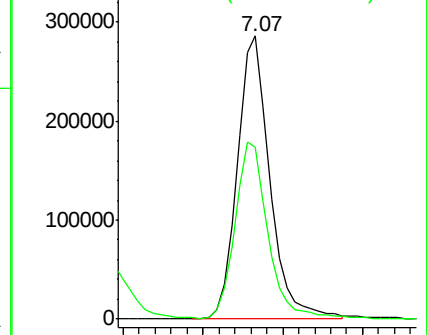
168 100

99 61.0 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: 15.899 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062341.D

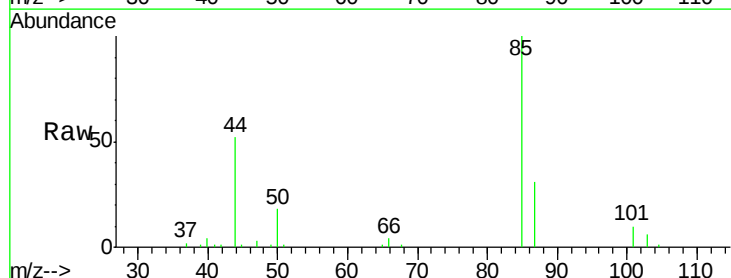
Acq: 14 May 2019 12:50

Tgt Ion: 85 Resp: 123244

Ion Ratio Lower Upper

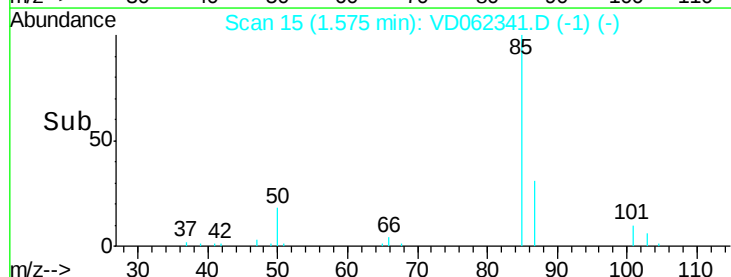
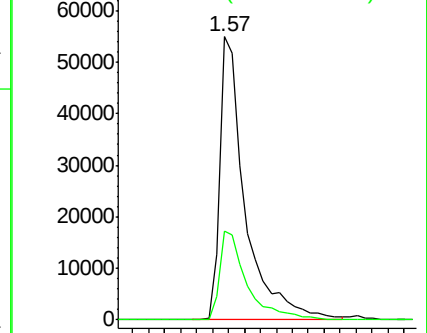
85 100

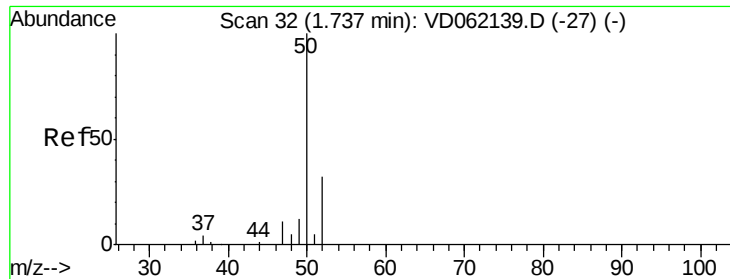
87 31.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.410 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

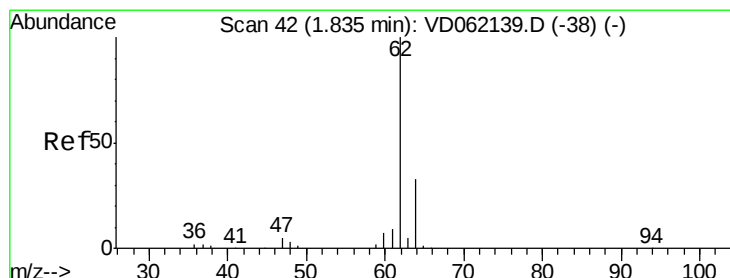
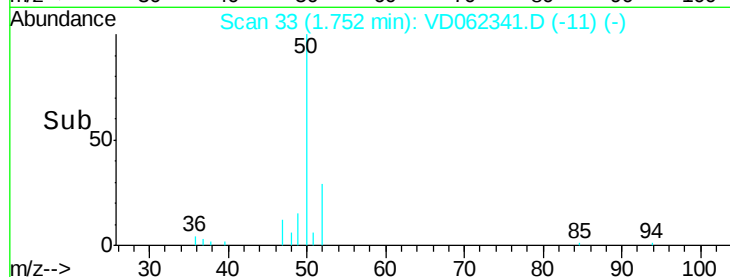
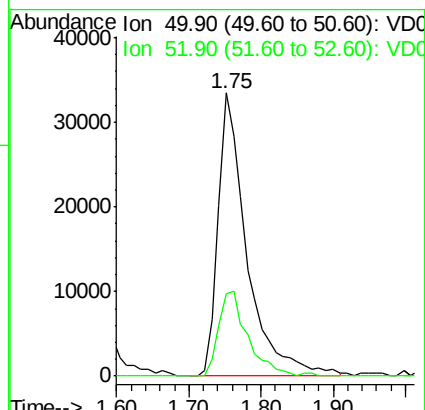
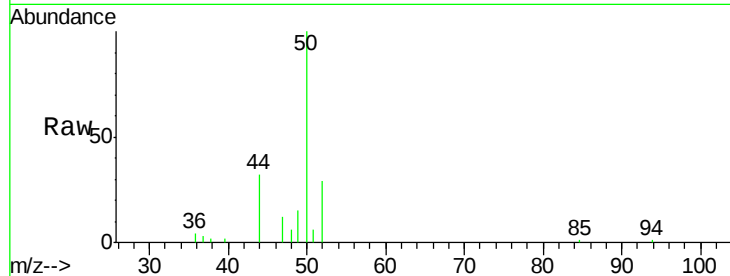
VD0514SBS01

Tot Ion: 50 Resp: 91915

Ion Ratio Lower Upper

50 100

52 29.0 25.2 37.8



#4

Vinyl Chloride

Concen: 16.928 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062341.D

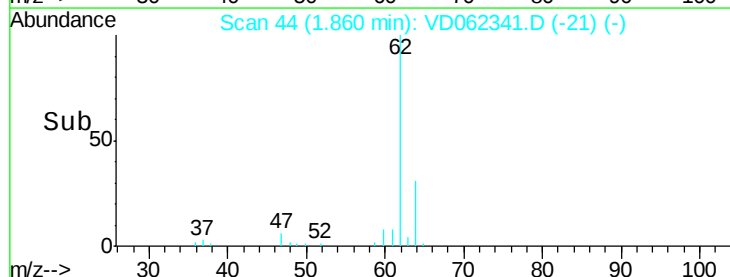
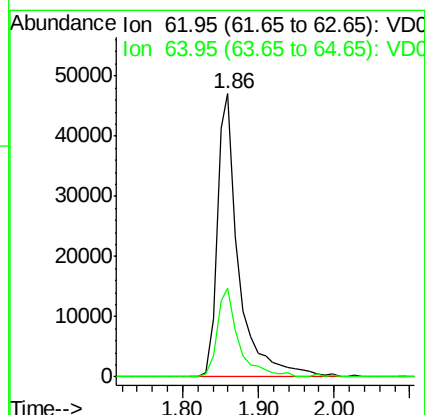
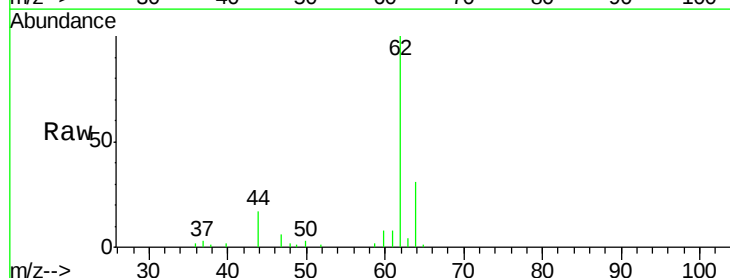
Acq: 14 May 2019 12:50

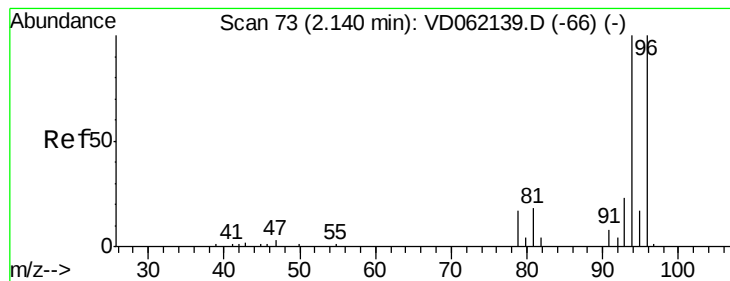
Tgt Ion: 62 Resp: 93185

Ion Ratio Lower Upper

62 100

64 31.3 26.5 39.7





#5

Bromomethane

Concen: 22.513 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

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MSVOA_D

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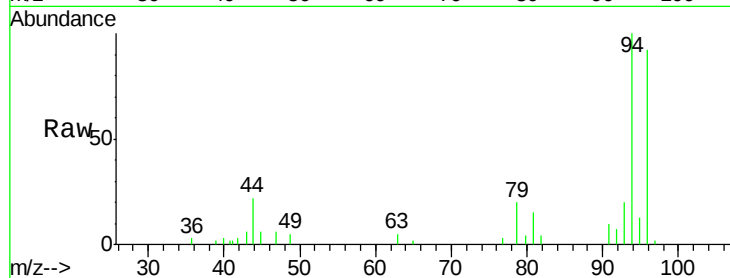
Tot Ion: 94 Resp: 29038

Ion Ratio Lower Upper

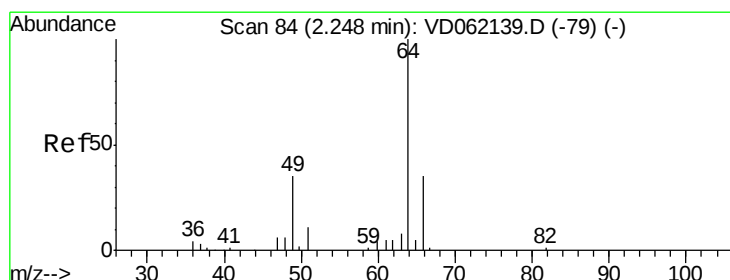
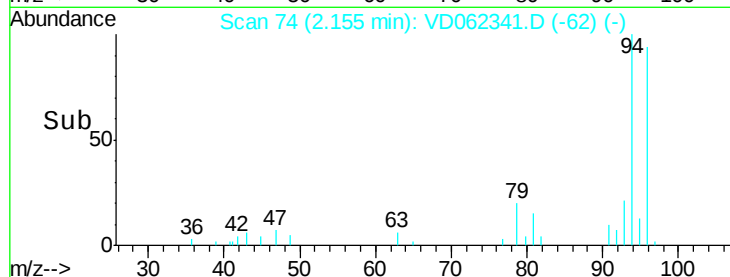
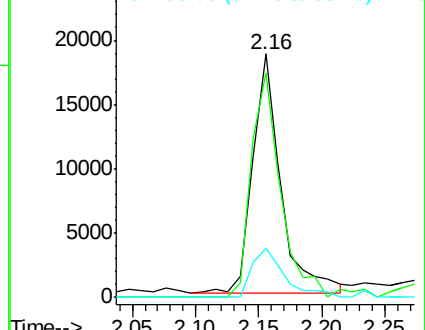
94 100

96 91.9 76.6 115.0

93 20.3 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.120 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD062341.D

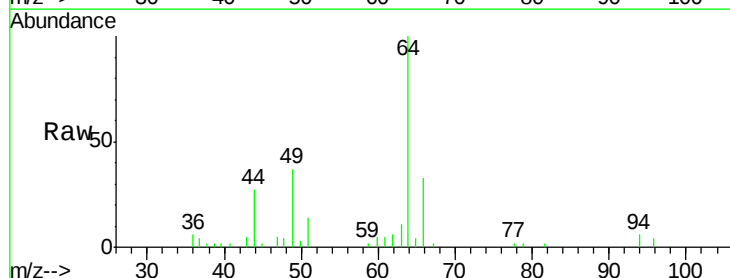
Acq: 14 May 2019 12:50

Tgt Ion: 64 Resp: 41854

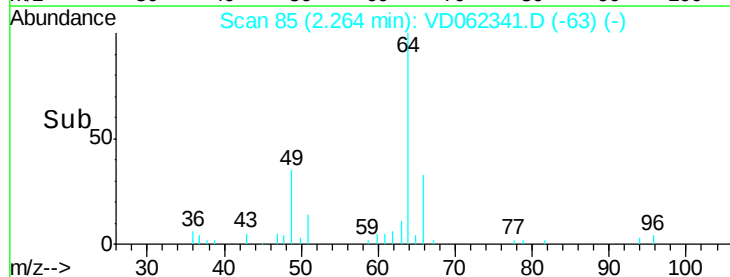
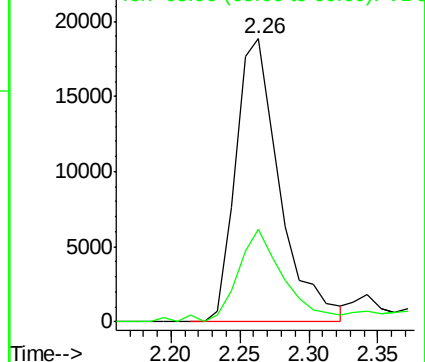
Ion Ratio Lower Upper

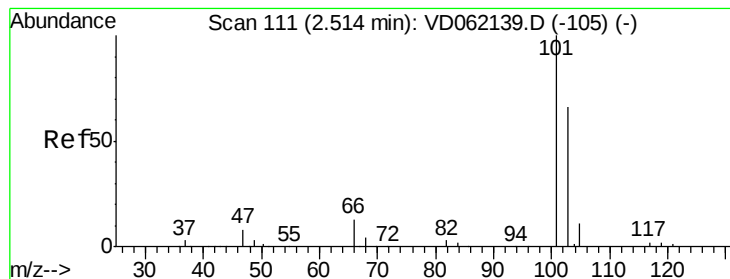
64 100

66 32.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



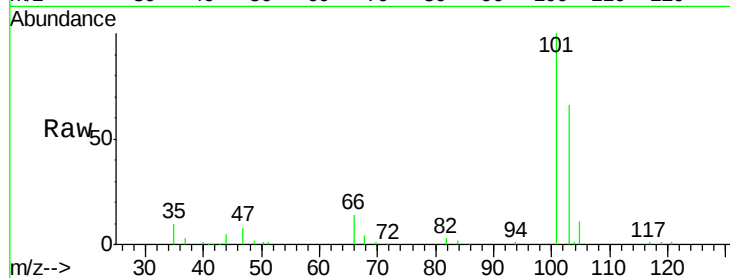


#7

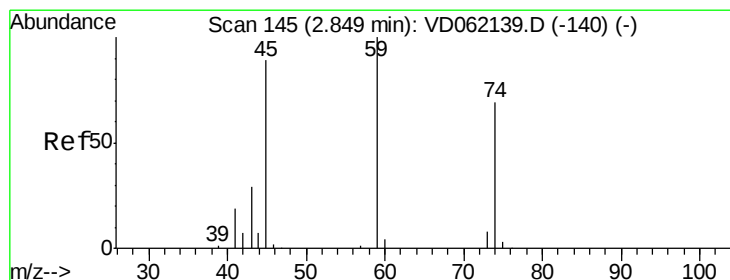
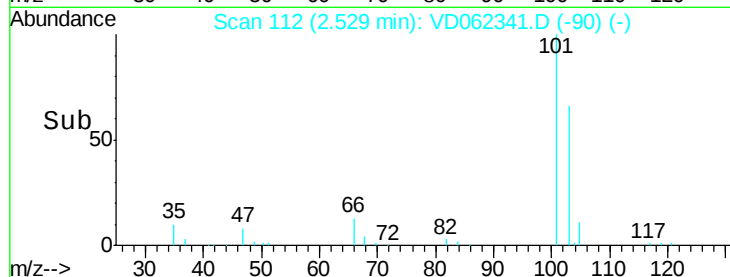
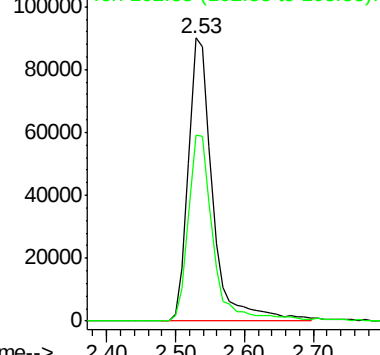
Trichlorofluoromethane
Concen: 20.681 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.02 min
Lab File: VD062341.D
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Instrument :
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Tot Ion:101 Resp: 221331
Ion Ratio Lower Upper
101 100
103 65.6 53.6 80.4



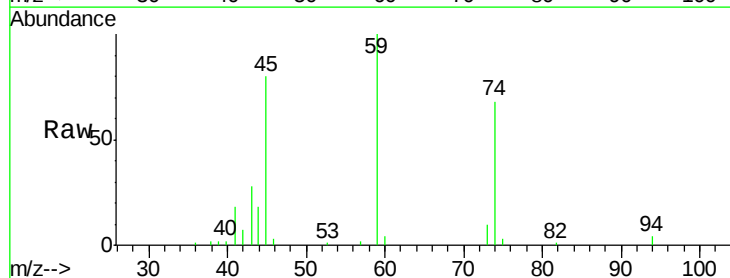
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



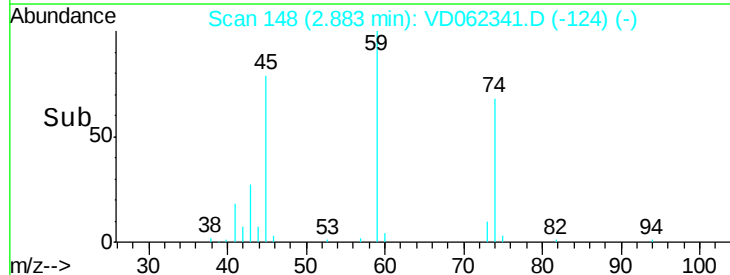
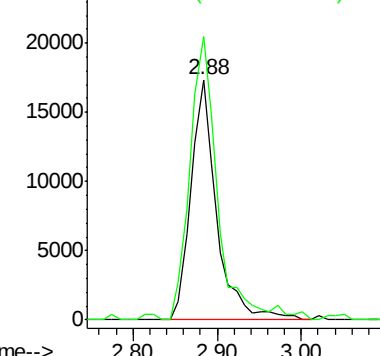
#8

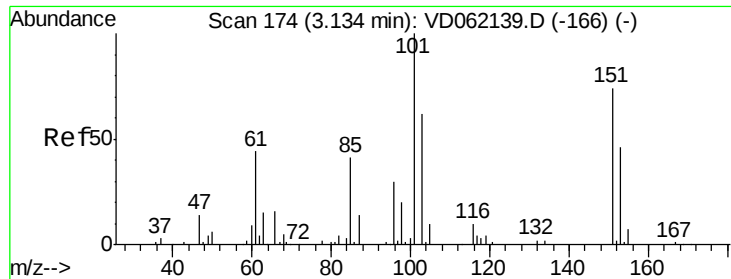
Diethyl Ether
Concen: 17.831 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062341.D
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Tgt Ion: 74 Resp: 36804
Ion Ratio Lower Upper
74 100
45 117.8 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.377 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

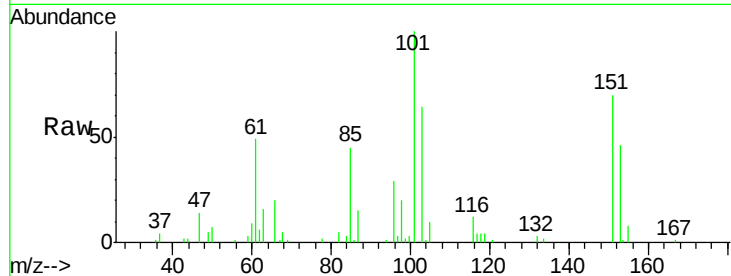
Tot Ion:101 Resp: 148774

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

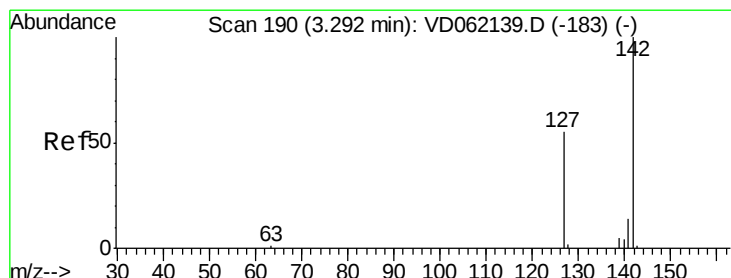
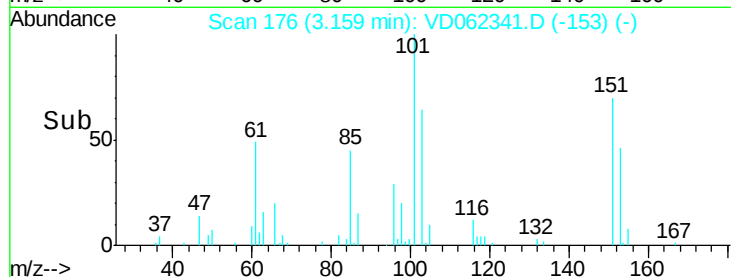
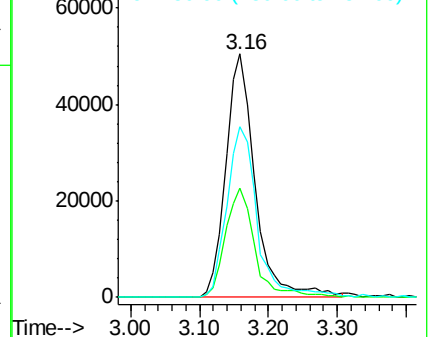
151 70.2 59.4 89.0



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: 11.708 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

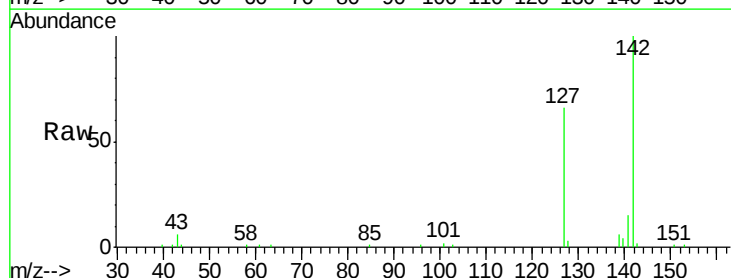
Tgt Ion:142 Resp: 143255

Ion Ratio Lower Upper

142 100

127 66.4 38.8 58.2#

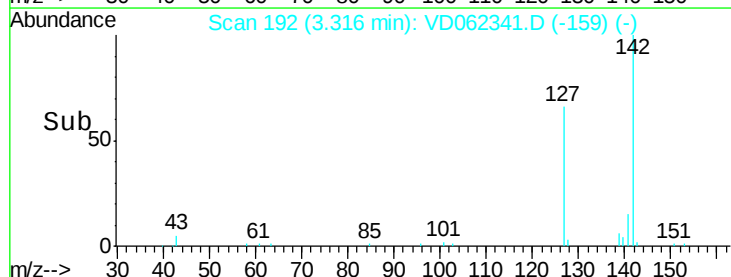
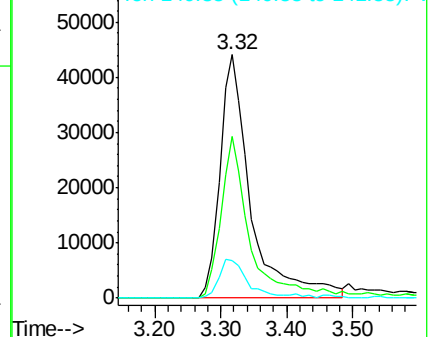
141 15.4 11.4 17.0



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

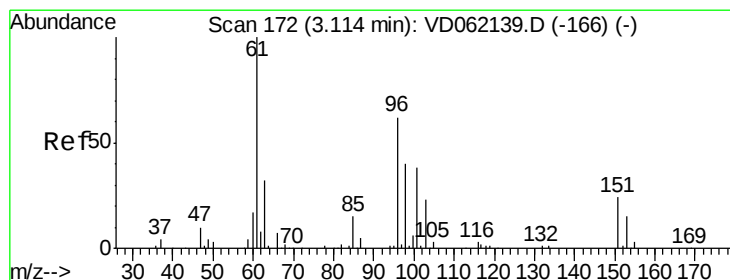
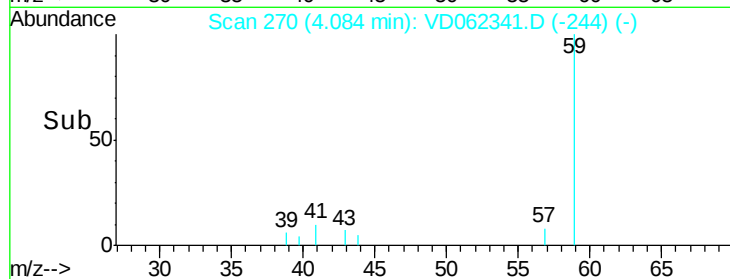
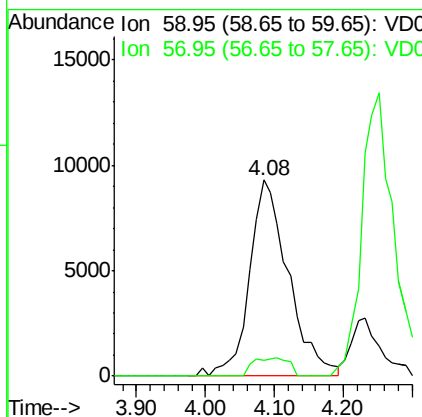
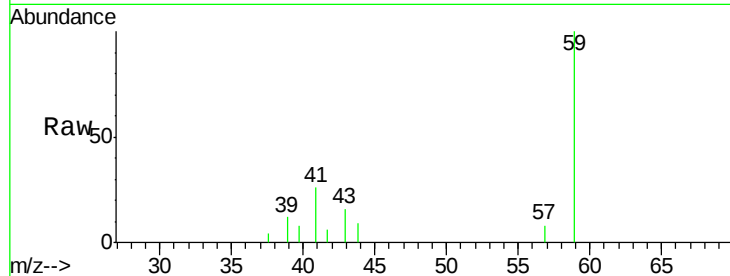




#11
Tert butyl alcohol
Concen: 95.063 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

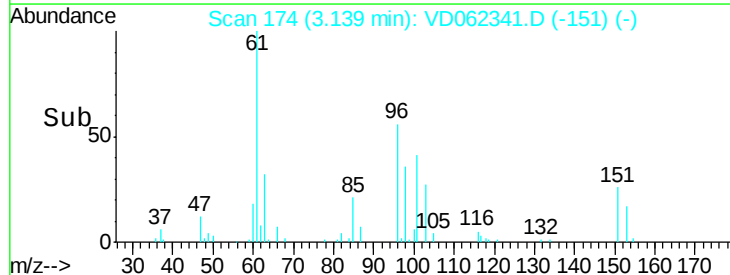
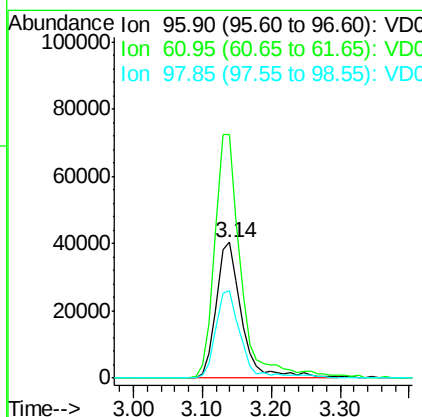
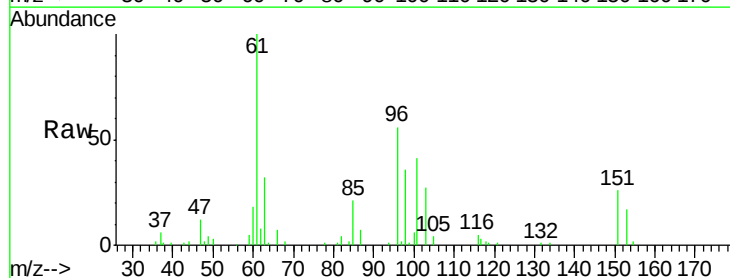
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

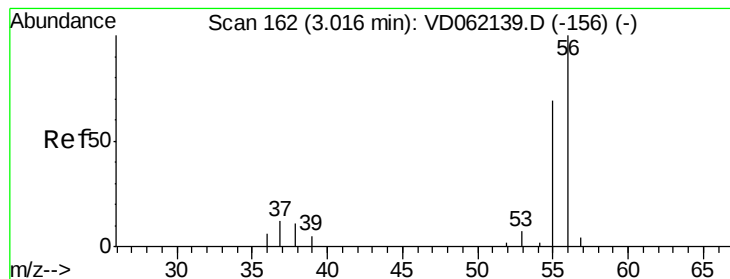
Tot Ion: 59 Resp: 36549
Ion Ratio Lower Upper
59 100
57 7.9 6.9 10.3



#12
1,1-Dichloroethene
Concen: 16.832 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 96 Resp: 104023
Ion Ratio Lower Upper
96 100
61 178.7 129.8 194.8
98 64.0 51.2 76.8





#13

Acrolein

Concen: 85.543 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

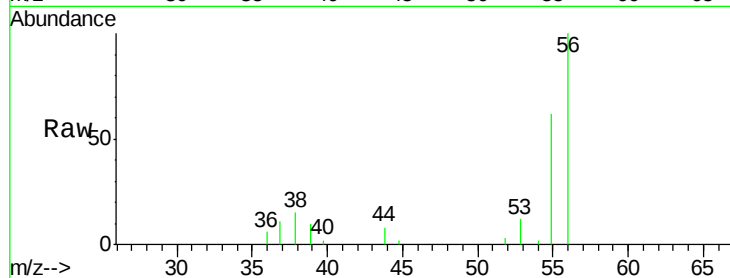
VD0514SBS01

Tot Ion: 56 Resp: 34017

Ion Ratio Lower Upper

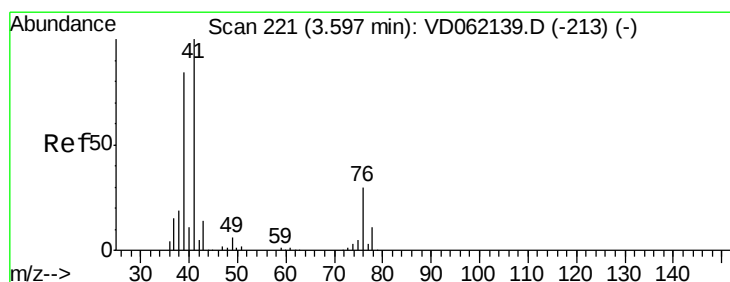
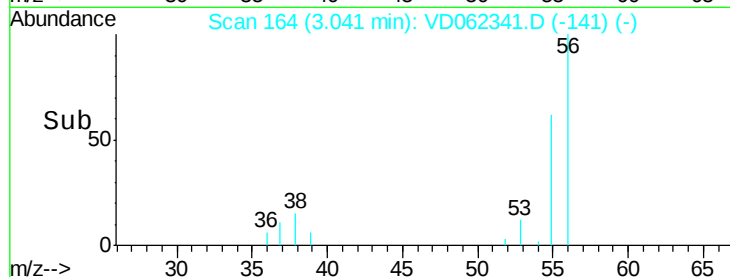
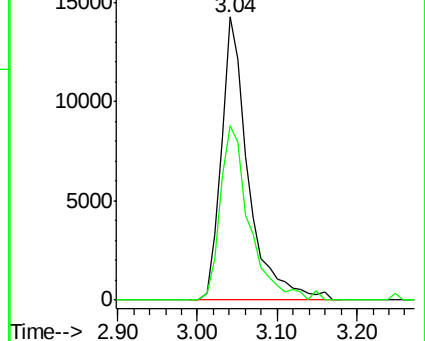
56 100

55 61.7 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: 18.095 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

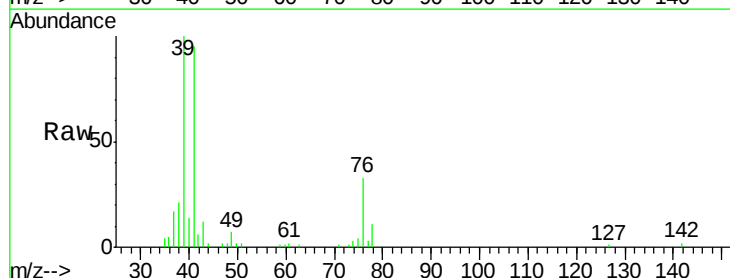
Tgt Ion: 41 Resp: 162592

Ion Ratio Lower Upper

41 100

39 105.4 60.5 90.7#

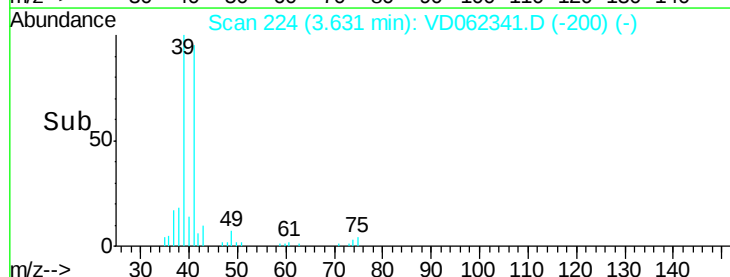
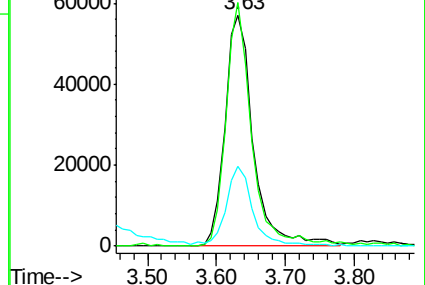
76 34.6 31.8 47.8



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: 93.833 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

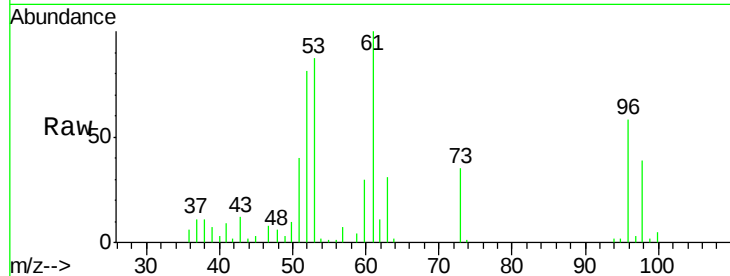
Tot Ion: 53 Resp: 94824

Ion Ratio Lower Upper

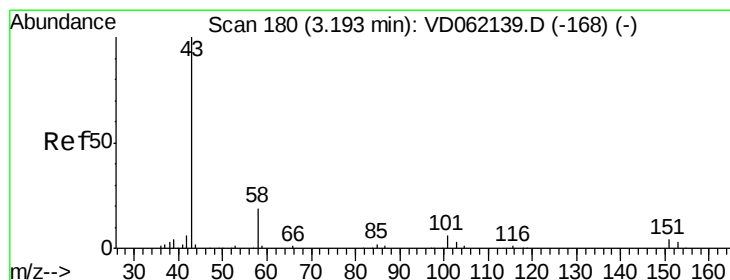
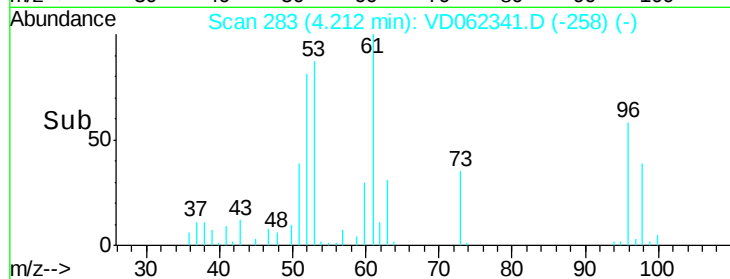
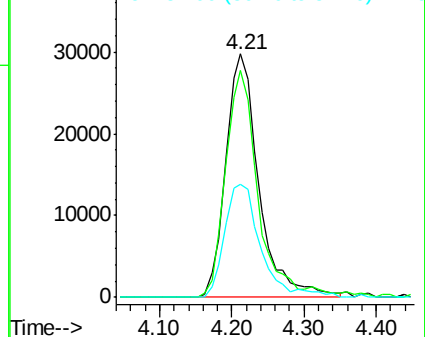
53 100

52 93.2 65.0 97.4

51 46.5 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: 112.406 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062341.D

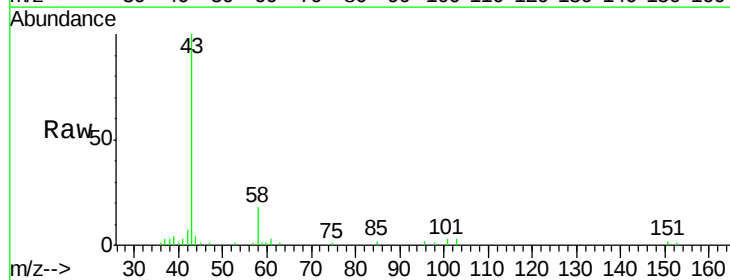
Acq: 14 May 2019 12:50

Tgt Ion: 43 Resp: 177551

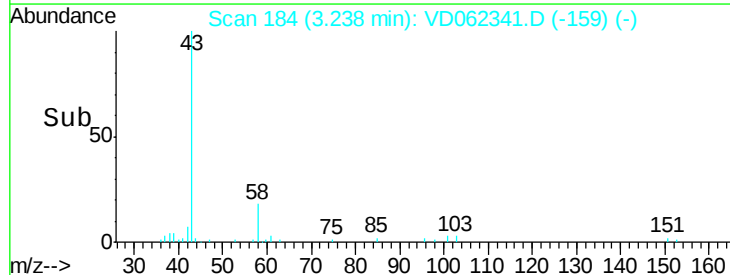
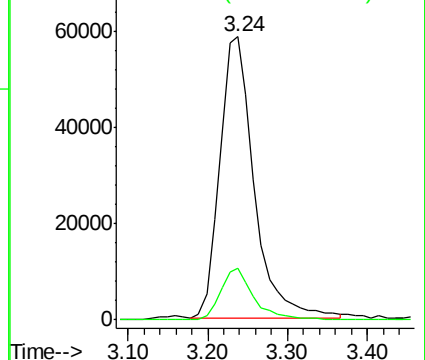
Ion Ratio Lower Upper

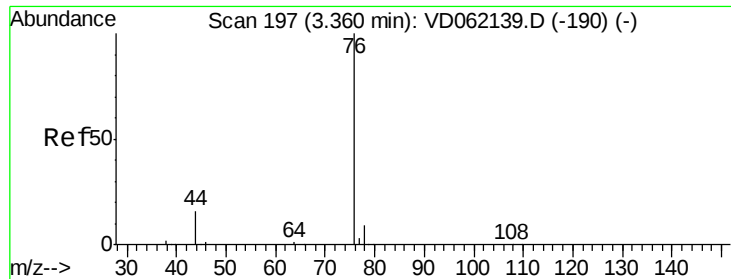
43 100

58 18.2 19.9 29.9#



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

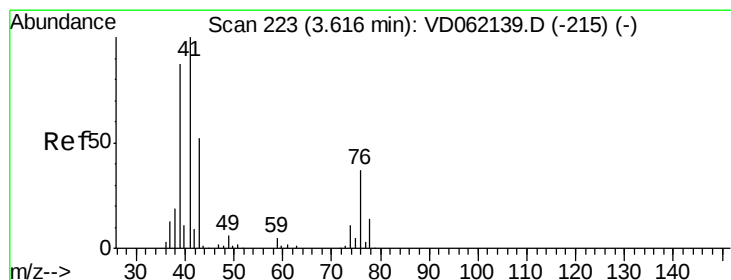
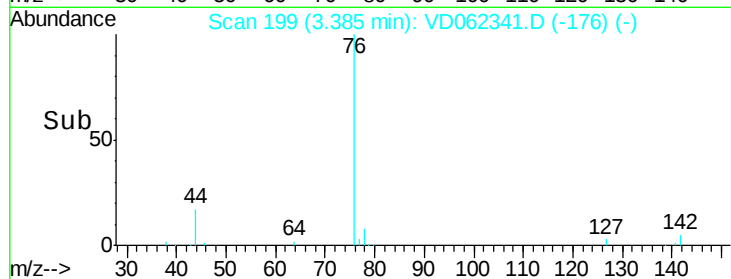
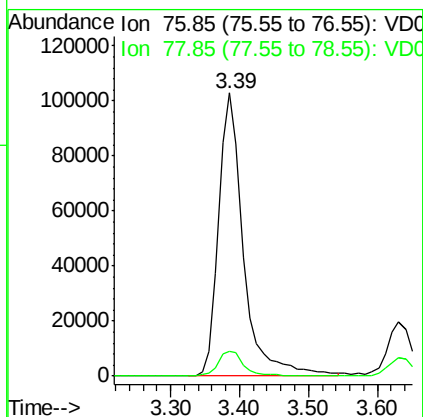
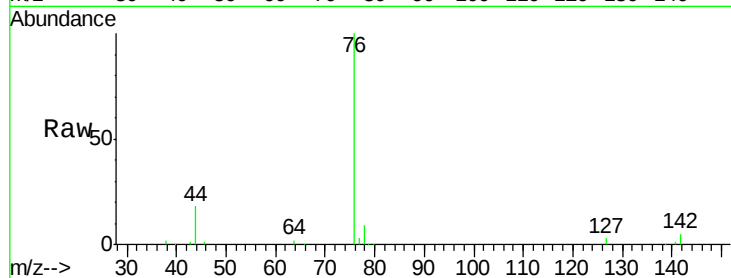




#17
Carbon Disulfide
Concen: 14.462 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

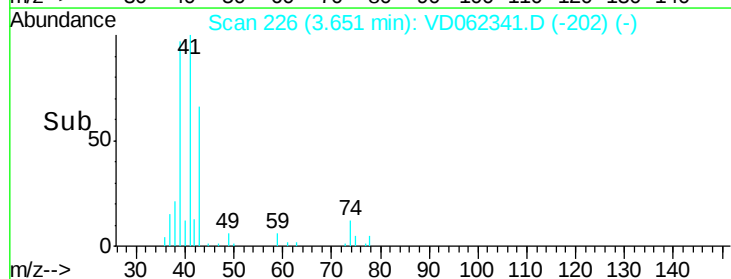
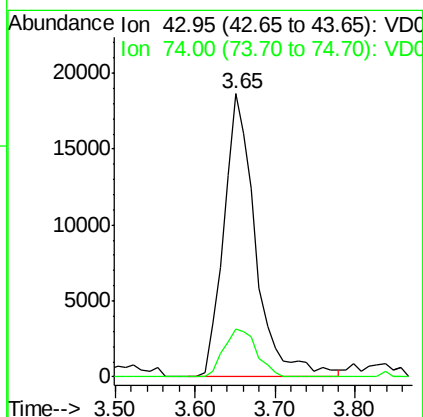
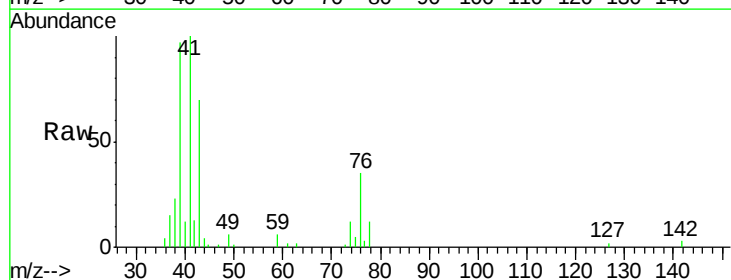
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

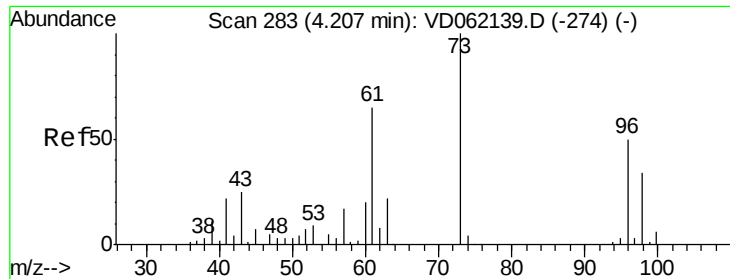
Tot Ion: 76 Resp: 257102
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 18.277 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 43 Resp: 52177
Ion Ratio Lower Upper
43 100
74 16.8 18.0 27.0#

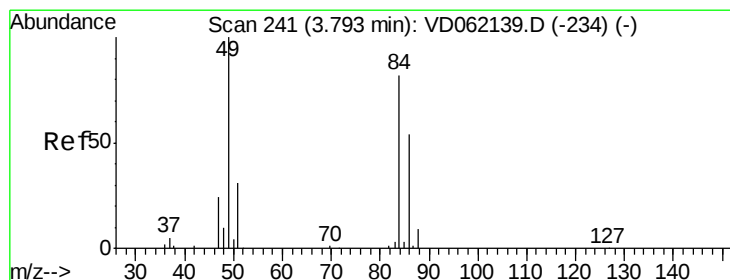
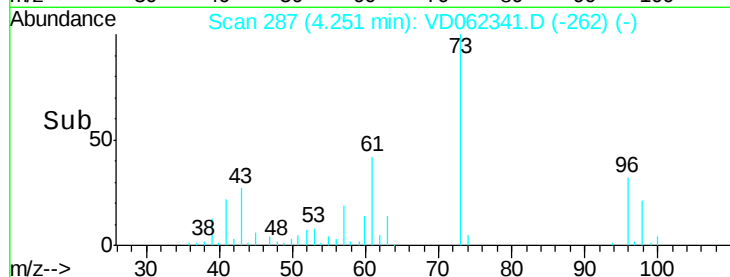
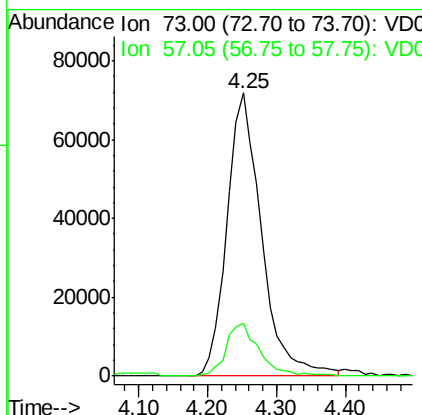
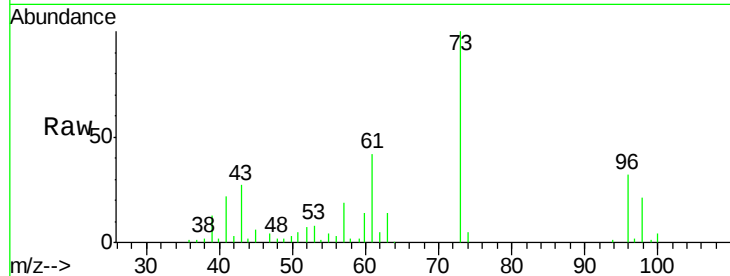




#19
Methvl tert-butvl Ether
Concen: 18.886 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

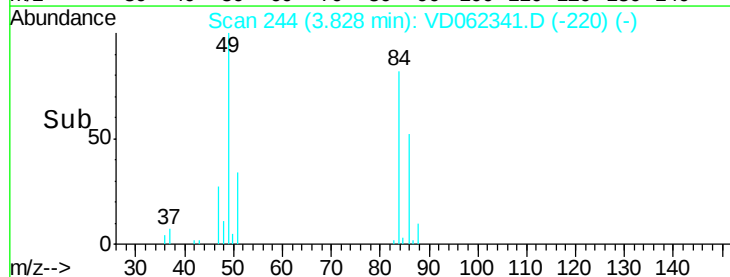
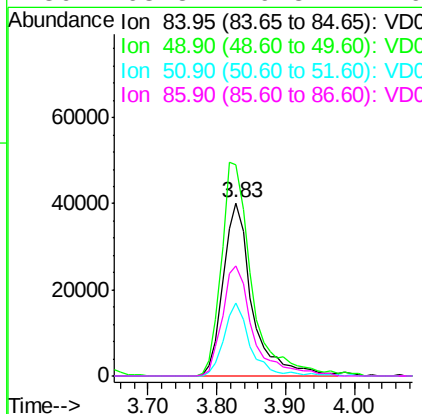
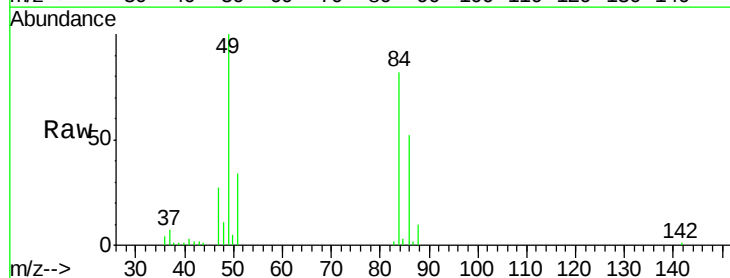
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

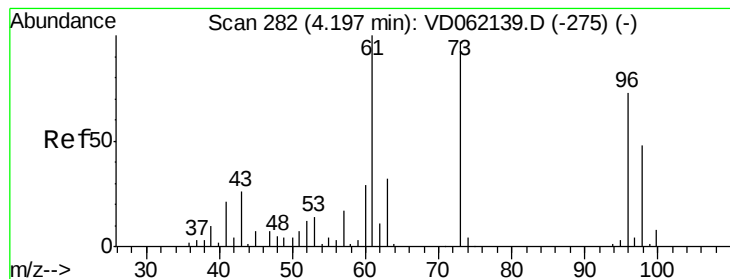
Tot Ion: 73 Resp: 250167
Ion Ratio Lower Upper
73 100
57 18.7 16.3 24.5



#20
Methylene Chloride
Concen: 17.801 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 84 Resp: 117402
Ion Ratio Lower Upper
84 100
49 121.8 94.0 141.0
51 42.0 29.0 43.4
86 63.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.410 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

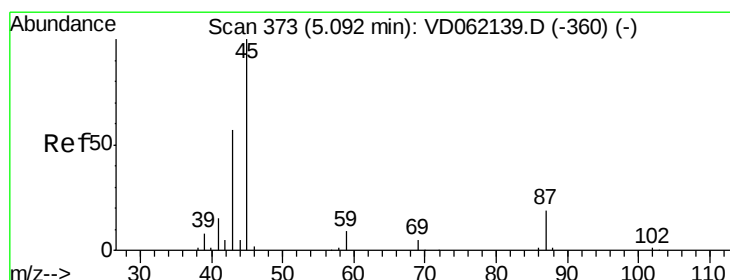
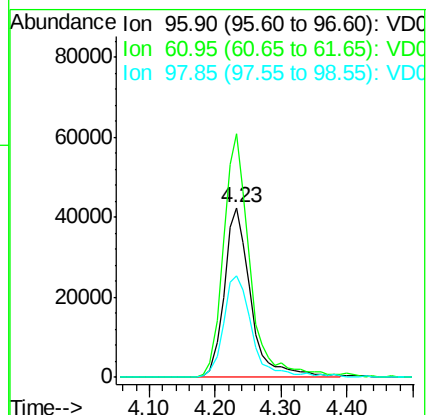
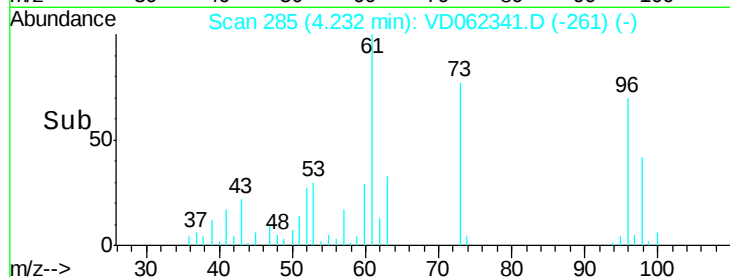
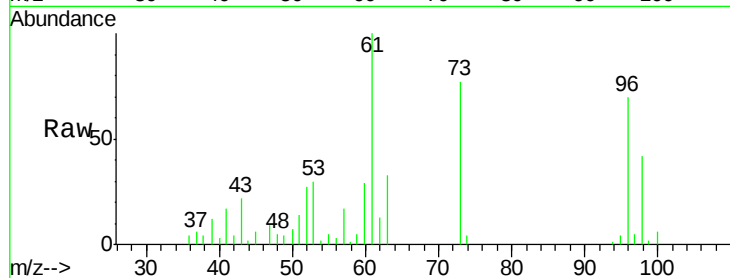
Tot Ion: 96 Resp: 119728

Ion Ratio Lower Upper

96 100

61 143.3 104.4 156.6

98 59.9 51.8 77.8



#22

Diisopropyl ether

Concen: 18.722 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Tgt Ion: 45 Resp: 357989

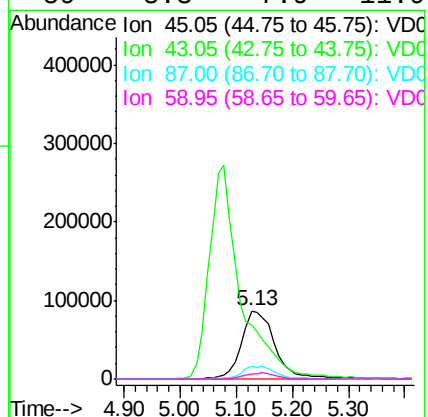
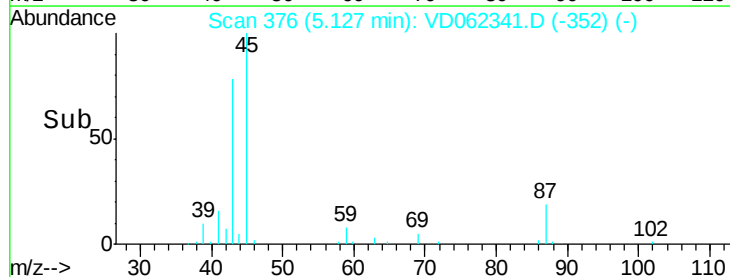
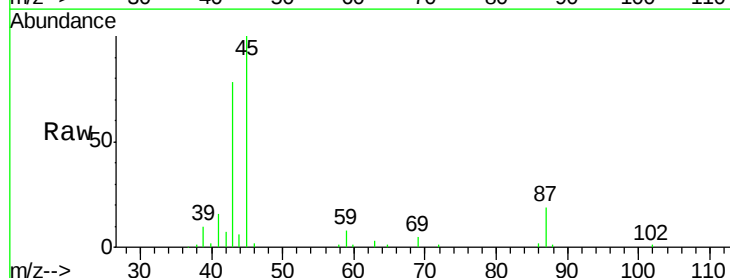
Ion Ratio Lower Upper

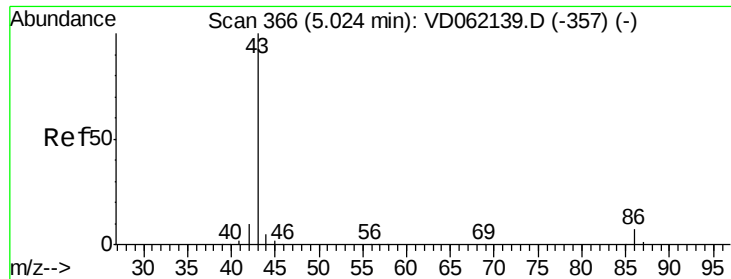
45 100

43 77.8 46.2 69.2#

87 19.1 15.9 23.9

59 8.3 7.9 11.9





#23

Vinyl Acetate

Concen: 105.082 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

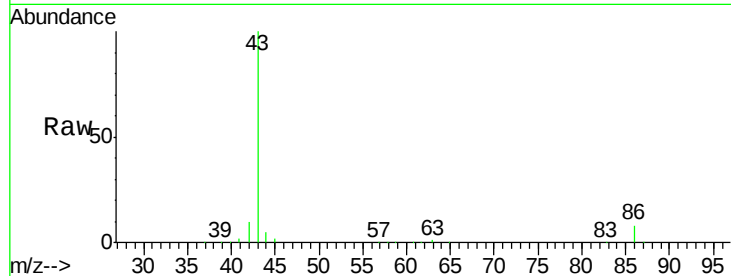
VD0514SBS01

Tot Ion: 43 Resp: 1060112

Ion Ratio Lower Upper

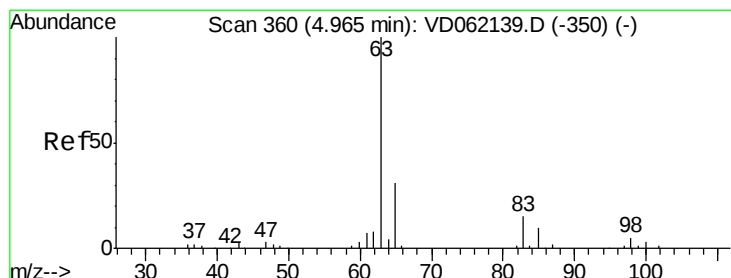
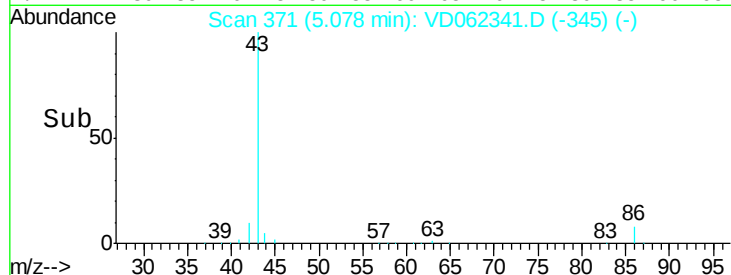
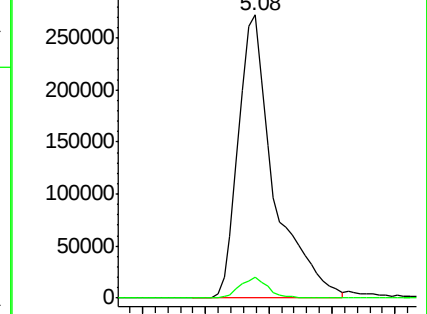
43 100

86 7.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.710 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

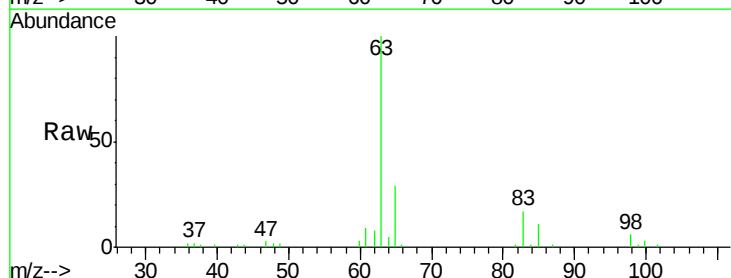
Tgt Ion: 63 Resp: 215822

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

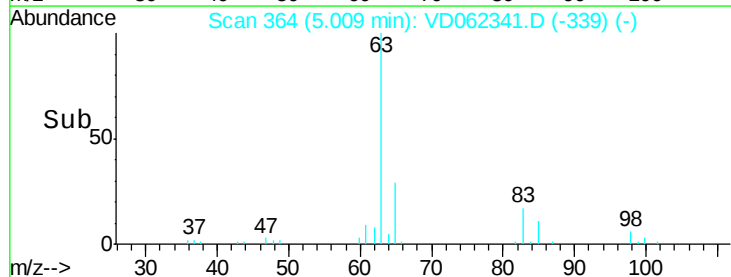
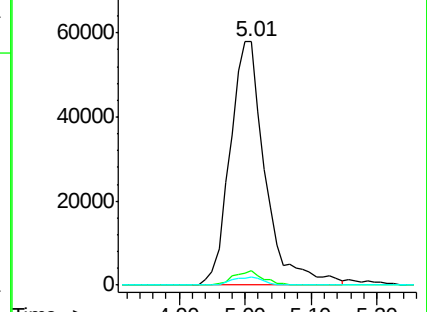
100 3.2 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 98.681 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

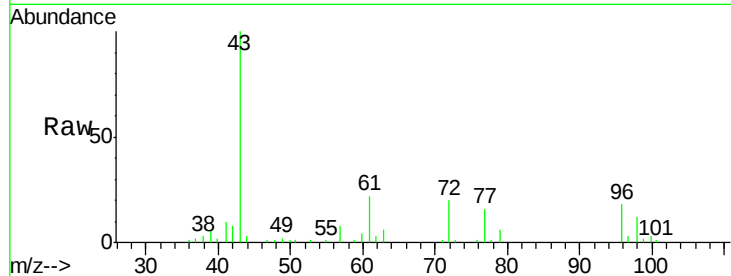
VD0514SBS01

Tot Ion: 43 Resp: 170019

Ion Ratio Lower Upper

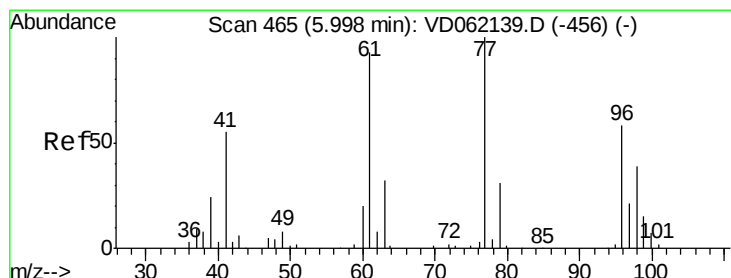
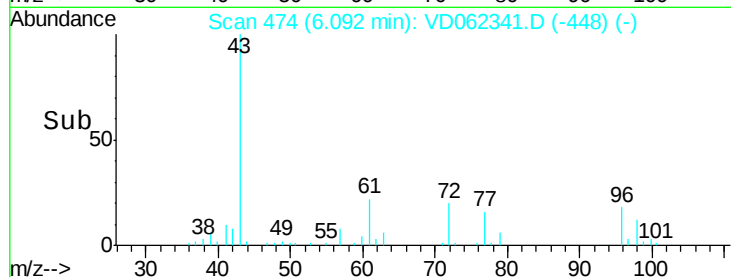
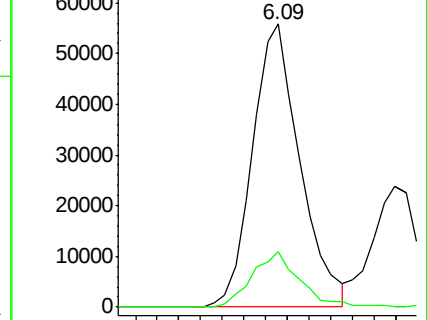
43 100

72 19.7 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: 21.287 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062341.D

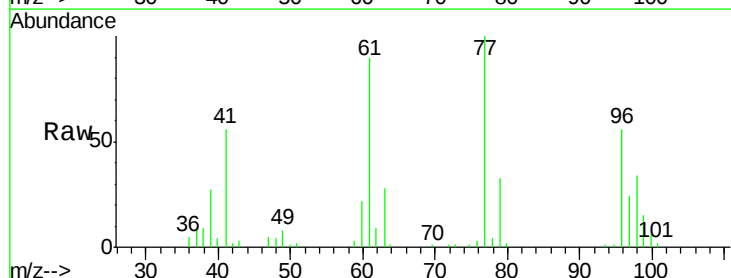
Acq: 14 May 2019 12:50

Tgt Ion: 77 Resp: 244593

Ion Ratio Lower Upper

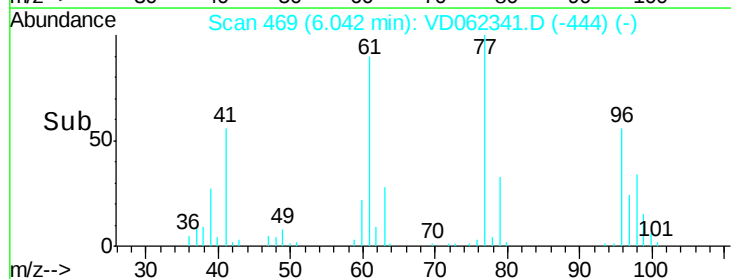
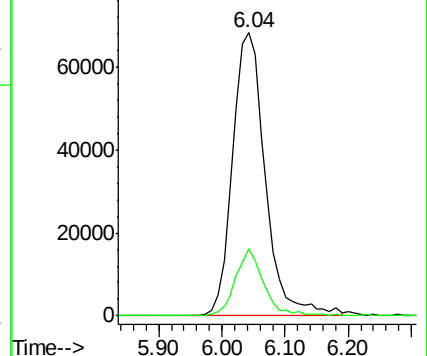
77 100

97 23.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



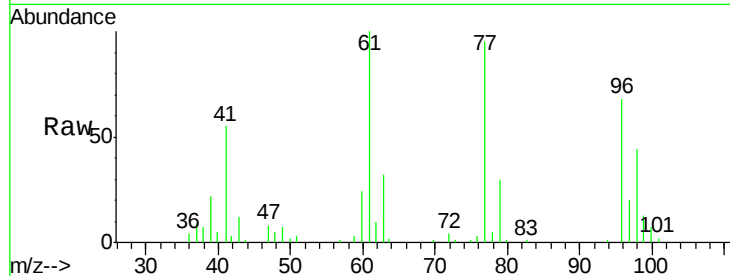


#27

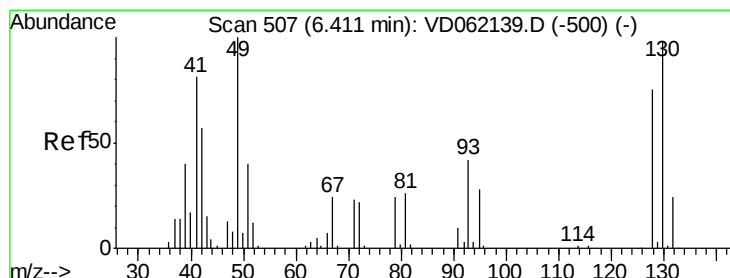
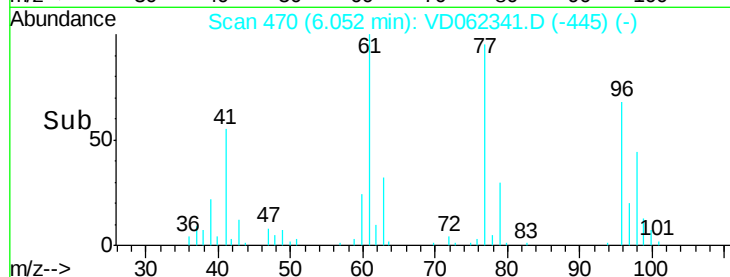
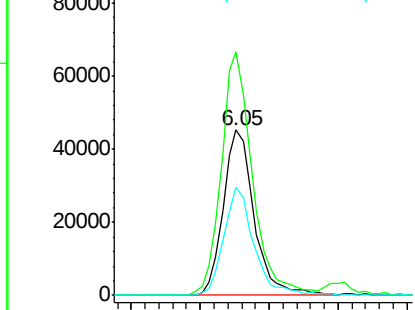
cis-1,2-Dichloroethene
Concen: 18.280 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 96 Resp: 140705
Ion Ratio Lower Upper
96 100
61 147.6 0.0 279.8
98 65.5 0.0 136.0



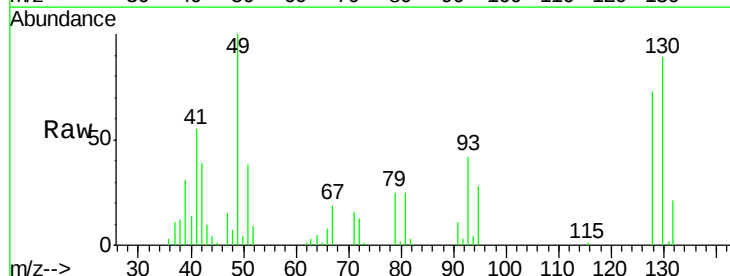
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



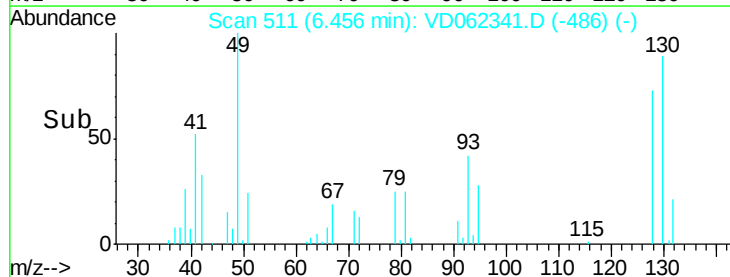
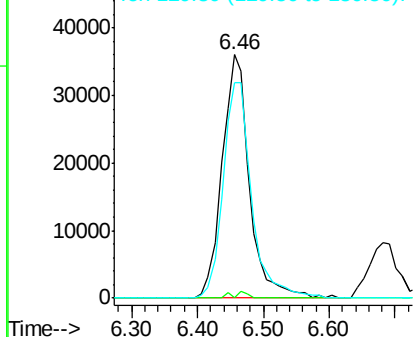
#28

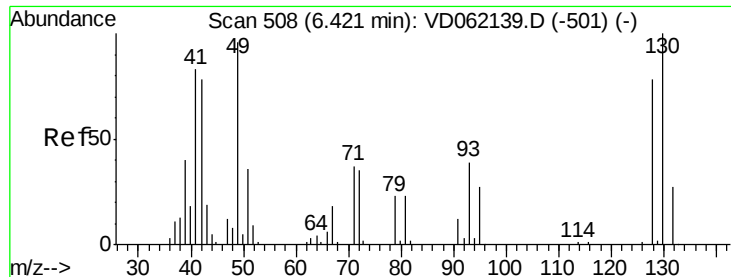
Bromochloromethane
Concen: 22.896 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 49 Resp: 103908
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 88.7 86.7 130.1



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

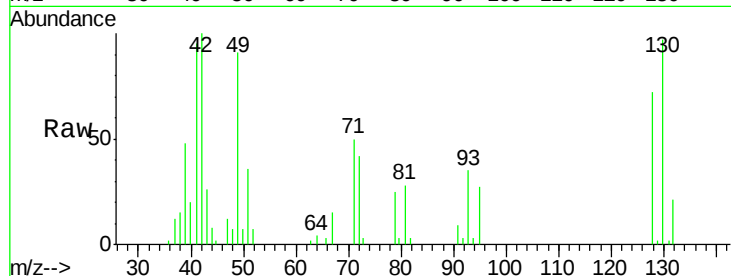




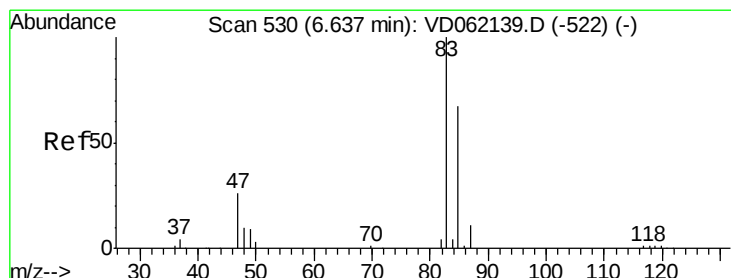
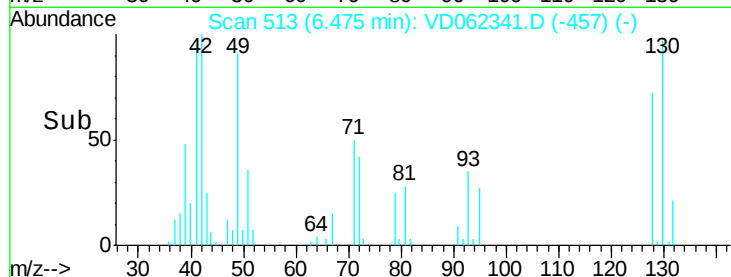
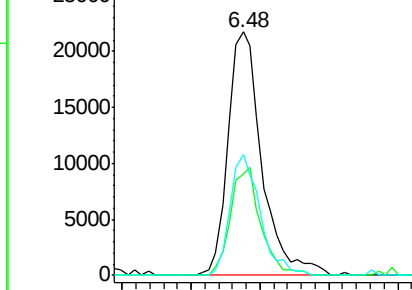
#29
Tetrahydrofuran
Concen: 93.218 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 42 Resp: 74001
Ion Ratio Lower Upper
42 100
72 39.5 37.8 56.6
71 44.1 36.7 55.1

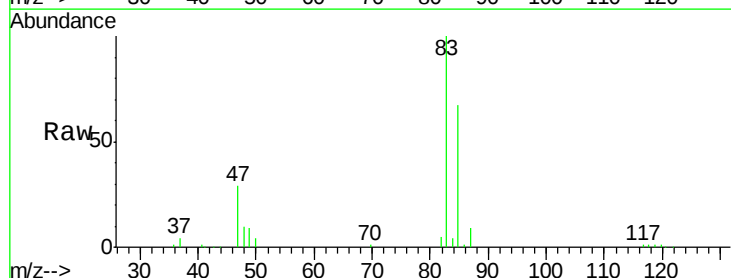


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

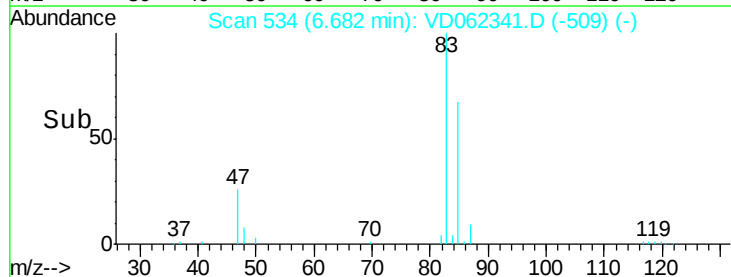
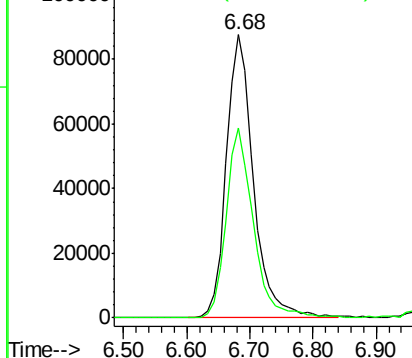


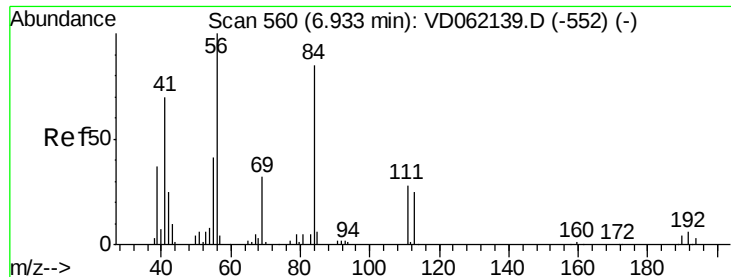
#30
Chloroform
Concen: 18.708 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 83 Resp: 260069
Ion Ratio Lower Upper
83 100
85 67.0 51.7 77.5



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

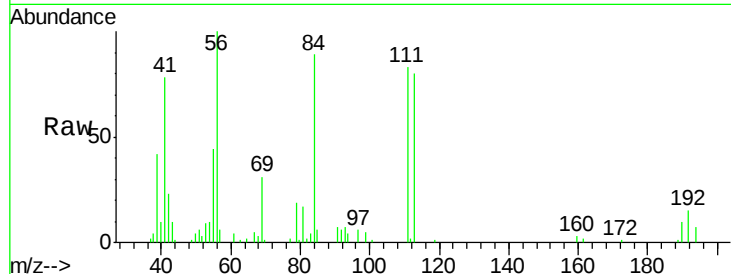




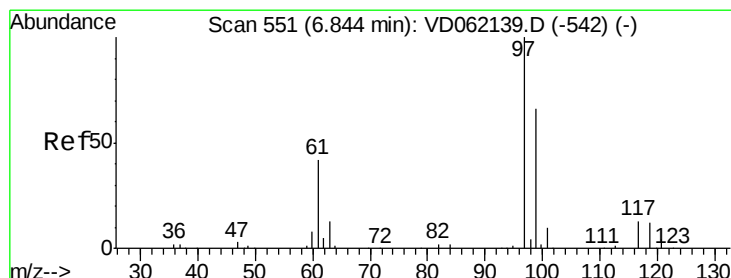
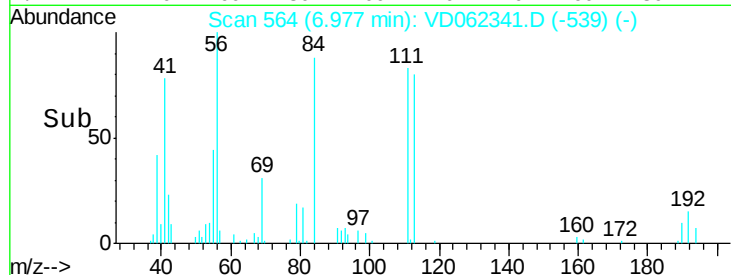
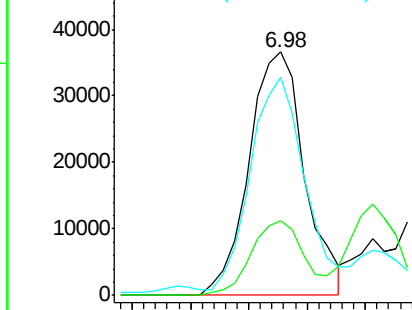
#31
Cyclohexane
Concen: 15.280 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 56 Resp: 120751
Ion Ratio Lower Upper
56 100
69 30.8 25.8 38.6
84 89.3 72.2 108.4

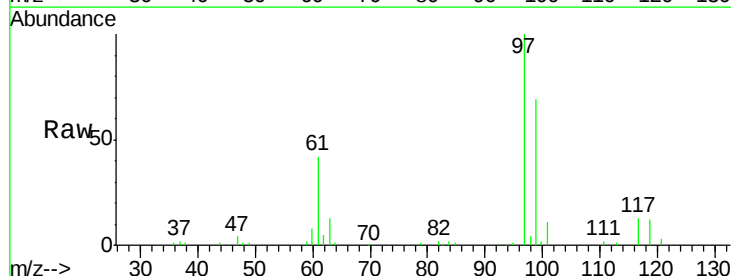


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

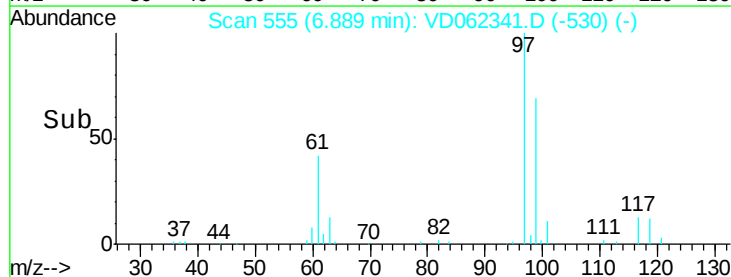
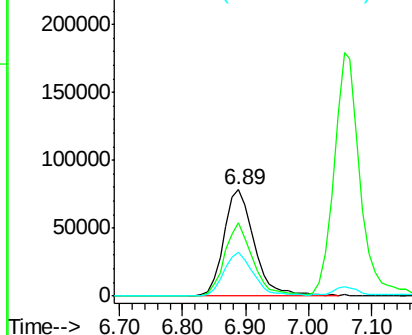


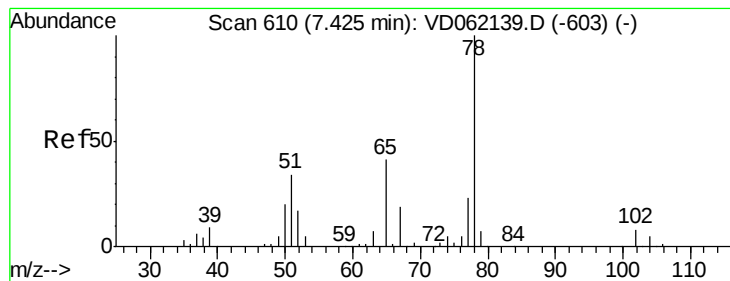
#32
1,1,1-Trichloroethane
Concen: 19.788 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 97 Resp: 260009
Ion Ratio Lower Upper
97 100
99 68.8 52.2 78.2
61 41.7 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: 48.137 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

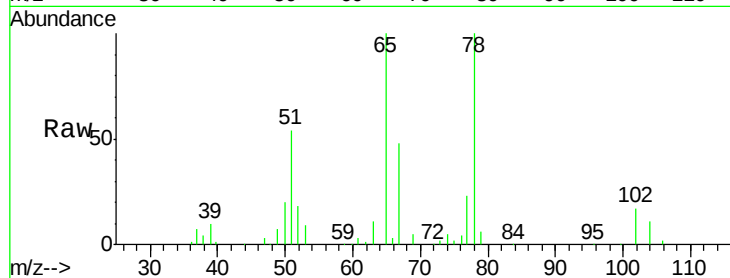
VD0514SBS01

Tot Ion: 65 Resp: 362571

Ion Ratio Lower Upper

65 100

67 48.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

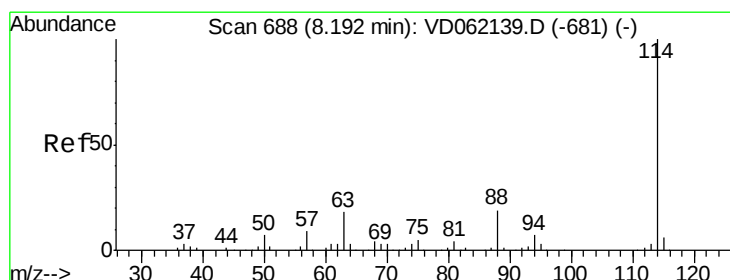
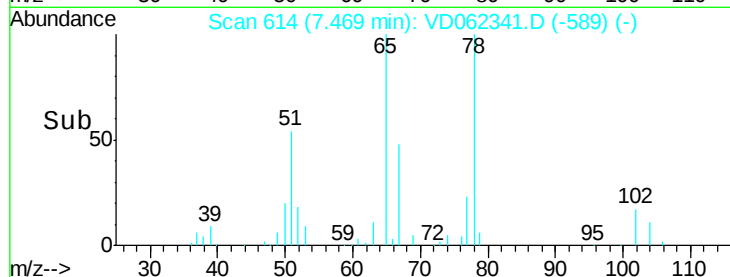
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

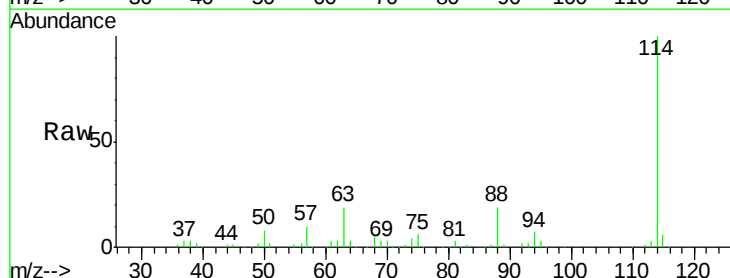
Tgt Ion: 114 Resp: 1005203

Ion Ratio Lower Upper

114 100

63 18.7 0.0 32.4

88 18.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.24

500000

400000

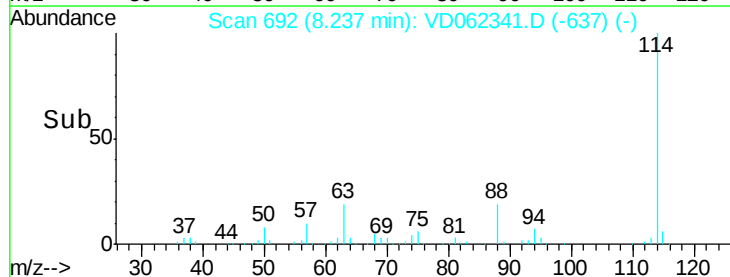
300000

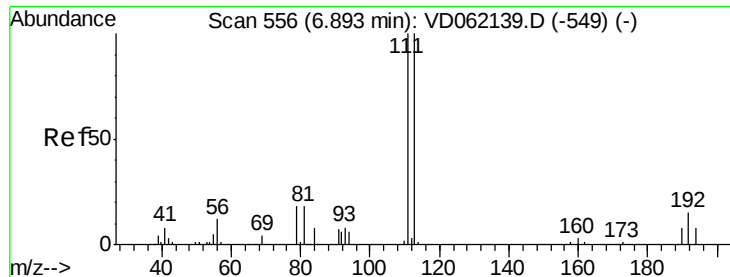
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.601 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

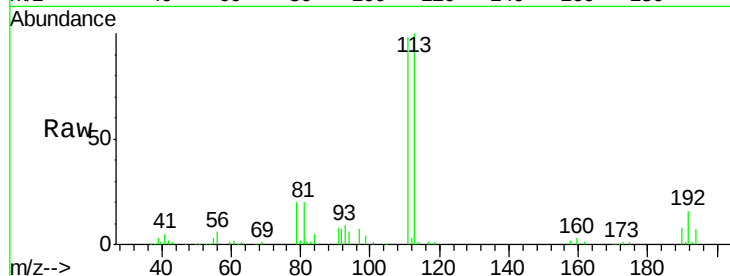
Tot Ion:113 Resp: 422027

Ion Ratio Lower Upper

113 100

111 97.7 78.5 117.7

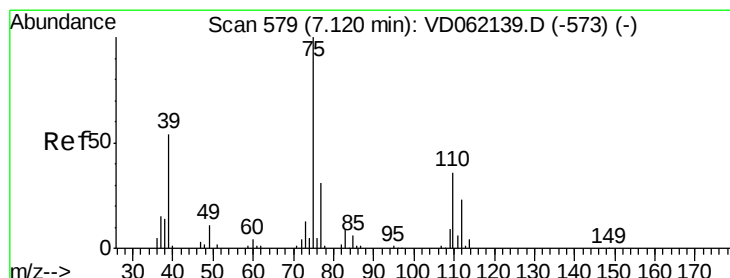
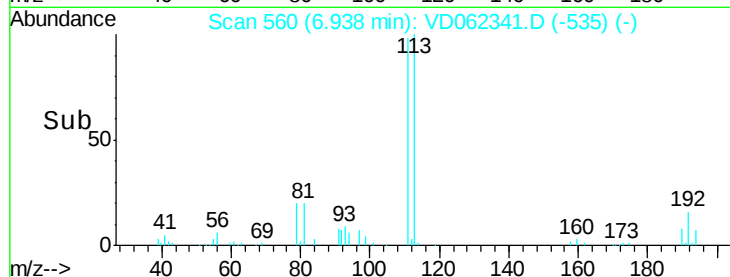
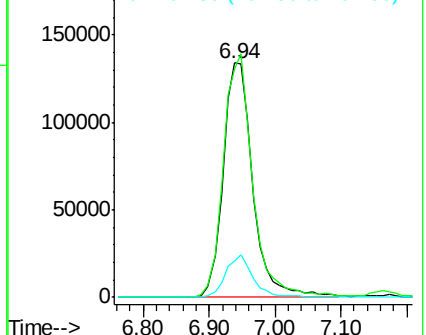
192 15.7 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.301 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

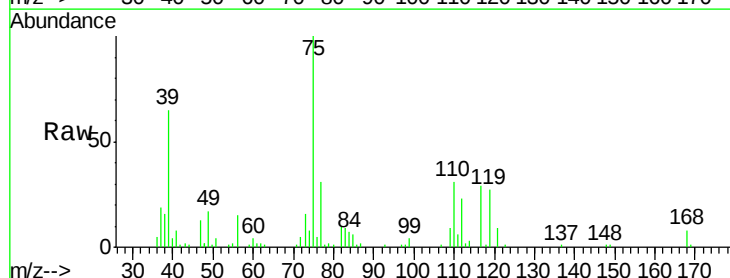
Tgt Ion: 75 Resp: 175560

Ion Ratio Lower Upper

75 100

110 31.1 19.1 57.1

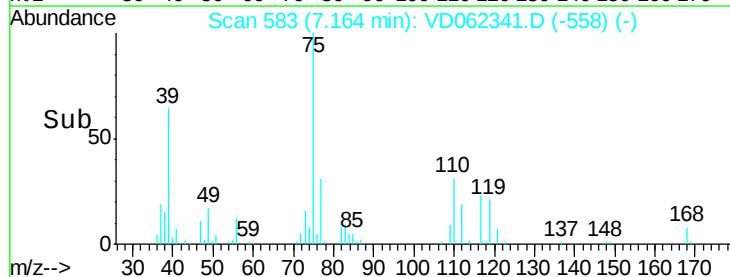
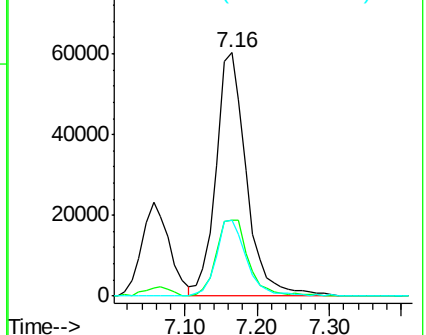
77 31.1 25.6 38.4

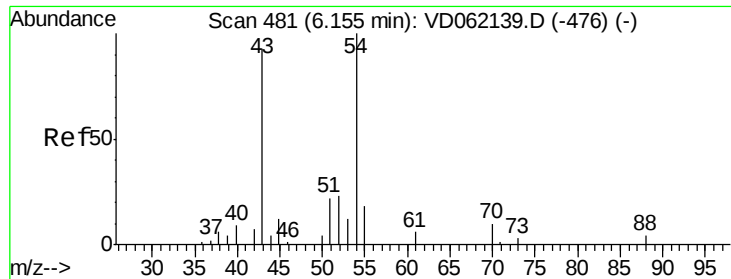


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

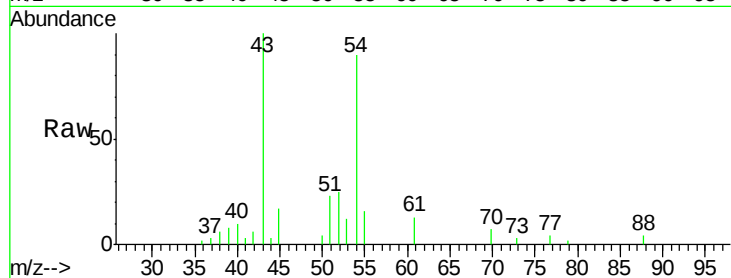




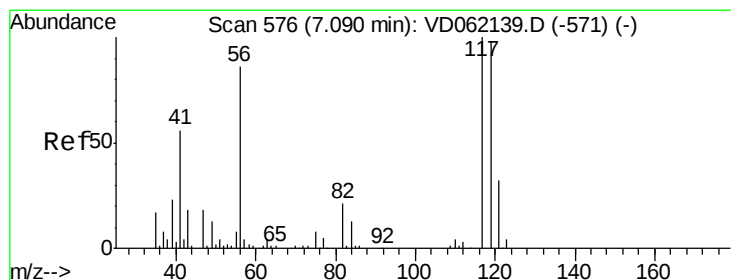
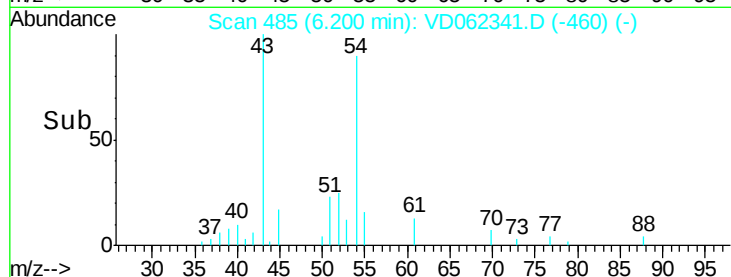
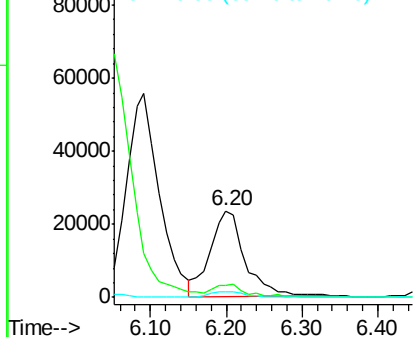
#37
Ethyl Acetate
Concen: 21.308 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 43 Resp: 74476
Ion Ratio Lower Upper
43 100
61 13.4 14.7 22.1#
70 7.1 7.8 11.6#

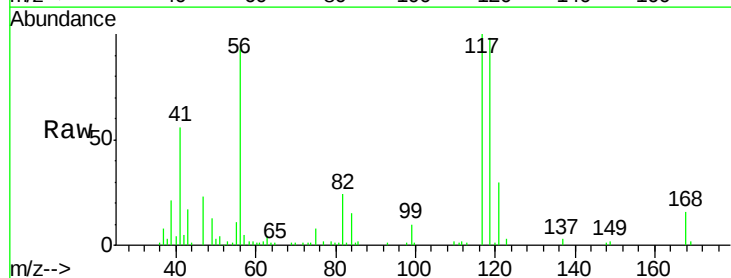


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

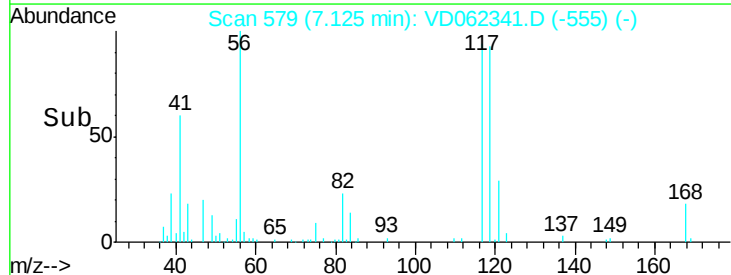
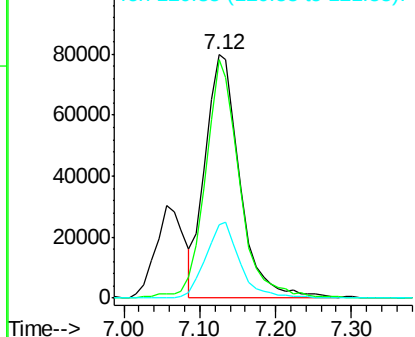


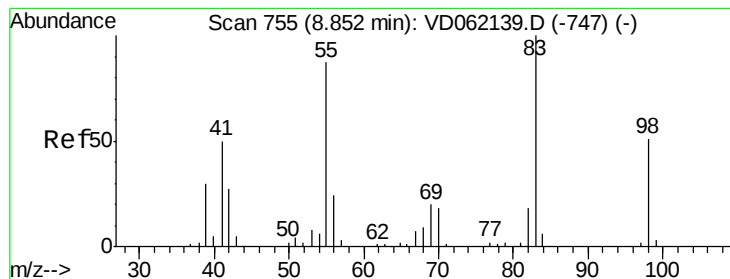
#38
Carbon Tetrachloride
Concen: 22.188 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 117 Resp: 253103
Ion Ratio Lower Upper
117 100
119 97.8 75.8 113.8
121 30.1 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

Methvlcvclohexane

Concen: 17.793 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

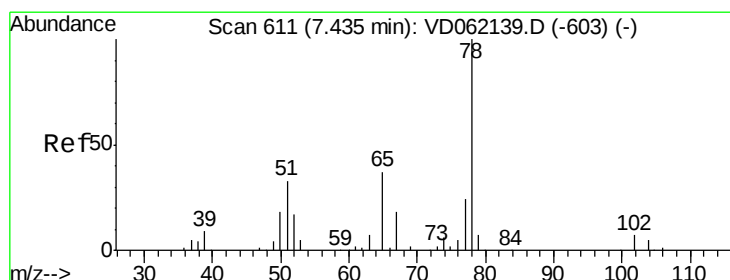
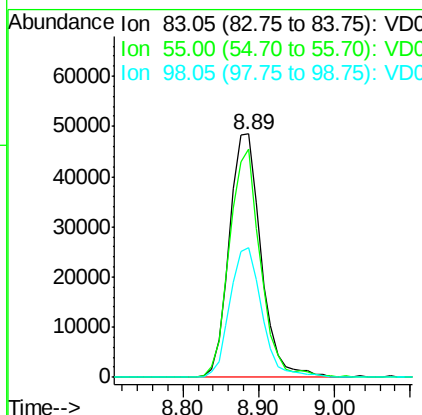
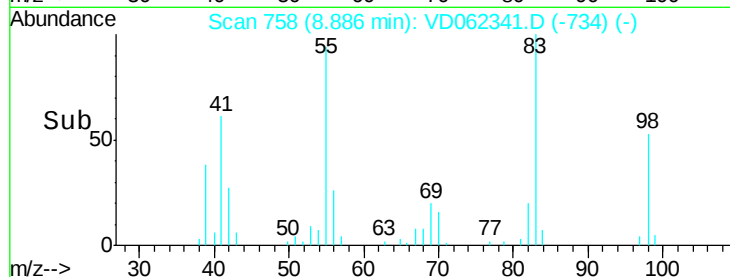
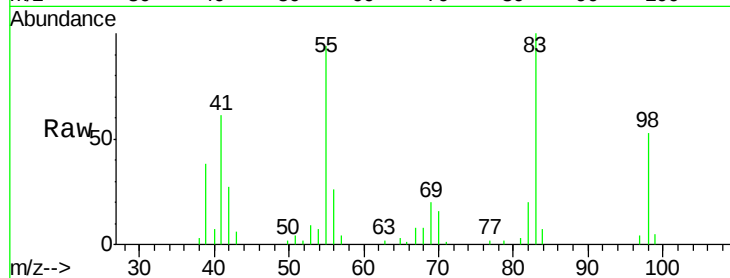
Tot Ion: 83 Resp: 140502

Ion Ratio Lower Upper

83 100

55 93.9 68.2 102.4

98 53.4 38.2 57.4



#40

Benzene

Concen: 19.031 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD062341.D

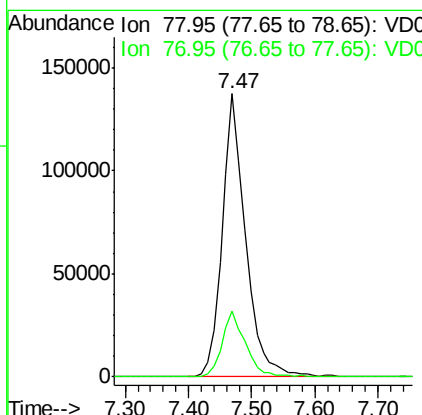
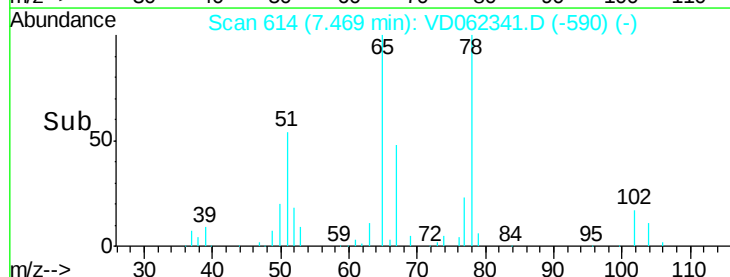
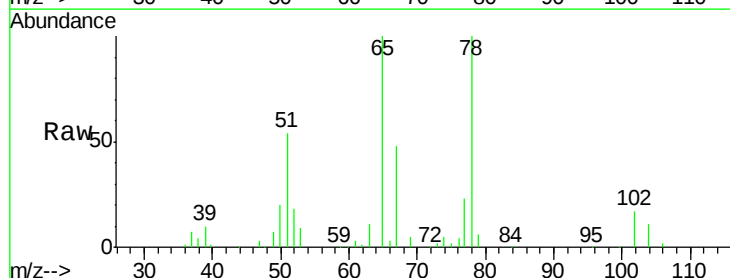
Acq: 14 May 2019 12:50

Tgt Ion: 78 Resp: 354186

Ion Ratio Lower Upper

78 100

77 23.2 19.7 29.5

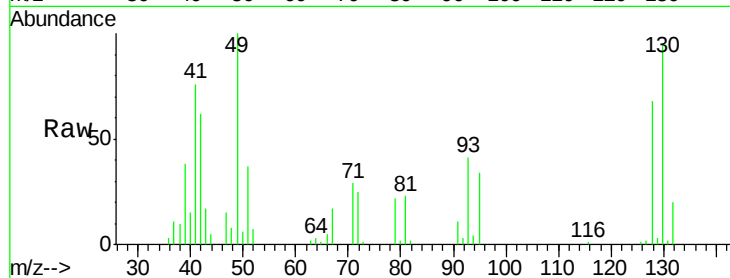




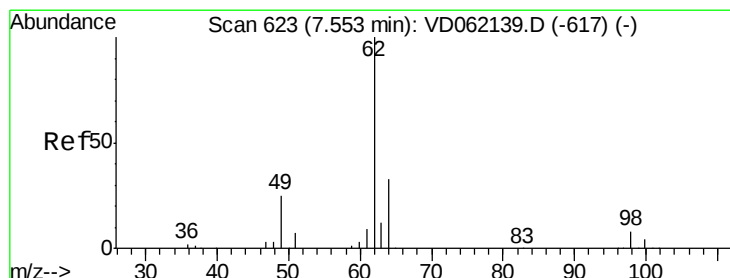
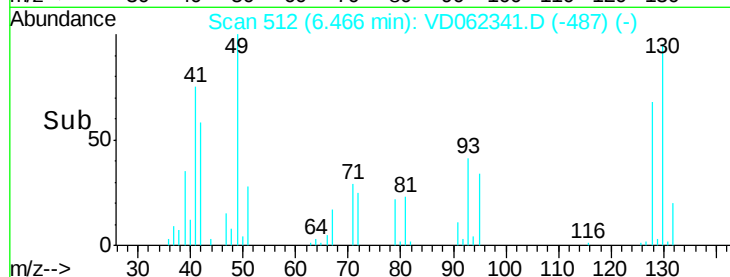
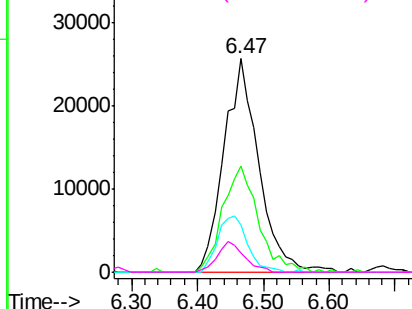
#41
Methacrylonitrile
Concen: 22.230 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 41 Resp: 94952
Ion Ratio Lower Upper
41 100
39 49.5 34.1 51.1
67 21.9 23.8 35.6#
52 9.0 8.8 13.2

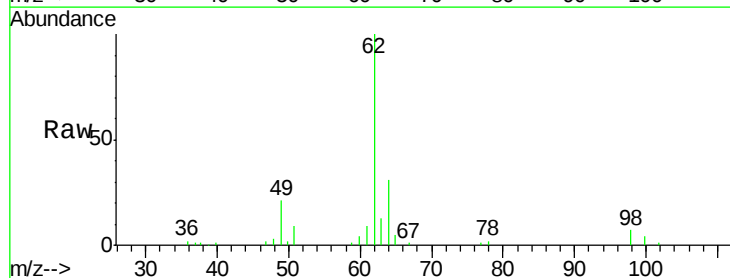


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

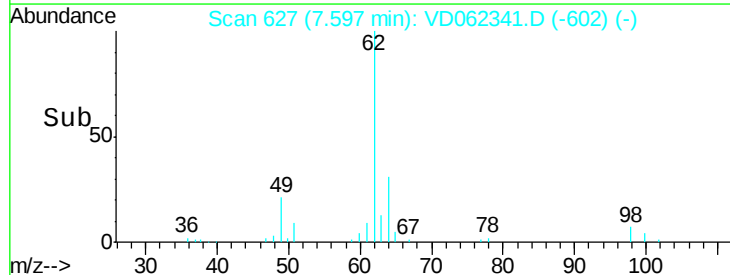
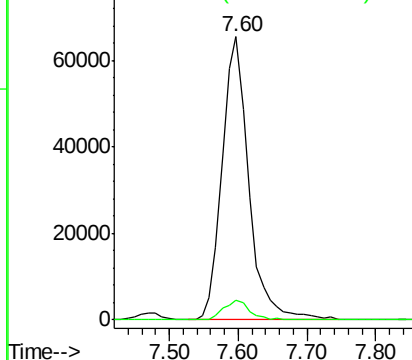


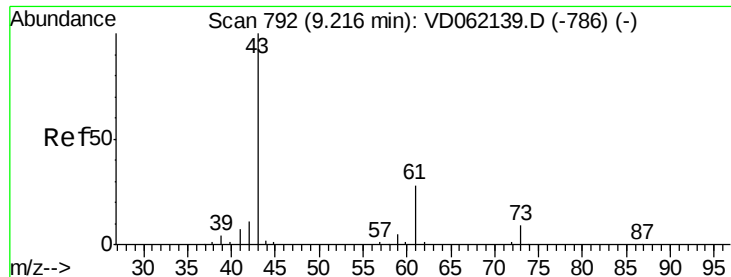
#42
1,2-Dichloroethane
Concen: 22.336 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 62 Resp: 176125
Ion Ratio Lower Upper
62 100
98 6.8 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: 19.788 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

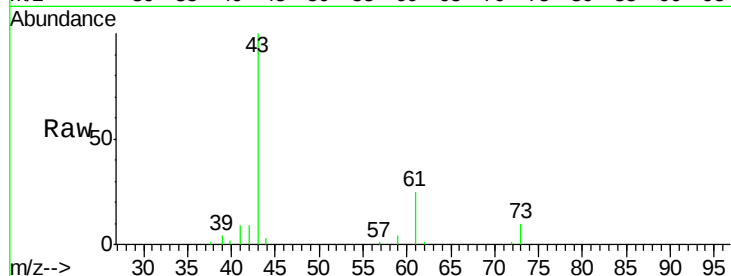
Tot Ion: 43 Resp: 98091

Ion Ratio Lower Upper

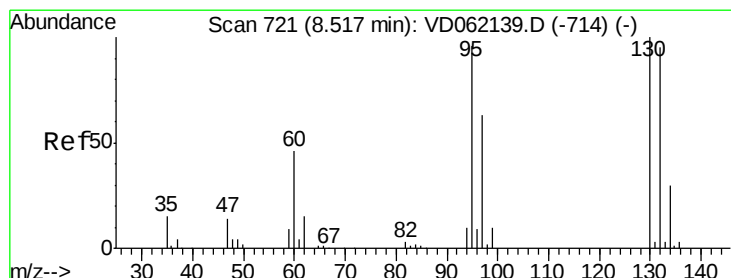
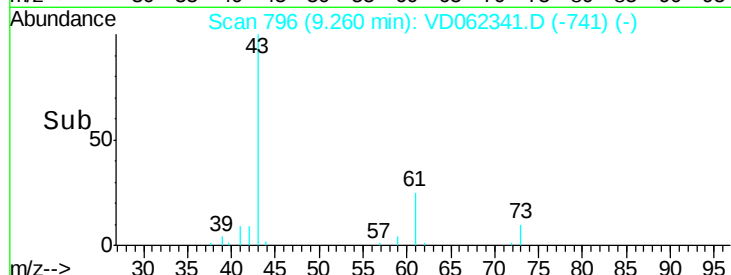
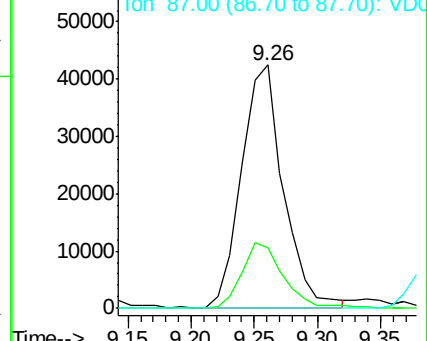
43 100

61 25.0 25.1 37.7#

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 19.231 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062341.D

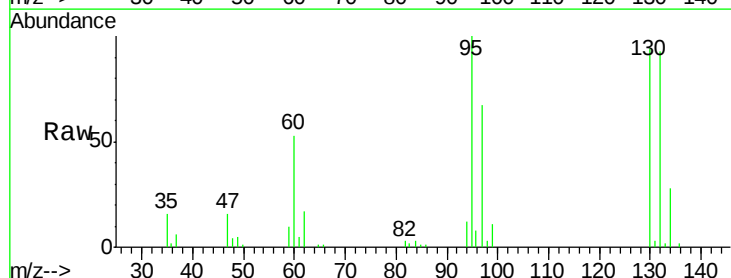
Acq: 14 May 2019 12:50

Tgt Ion:130 Resp: 136378

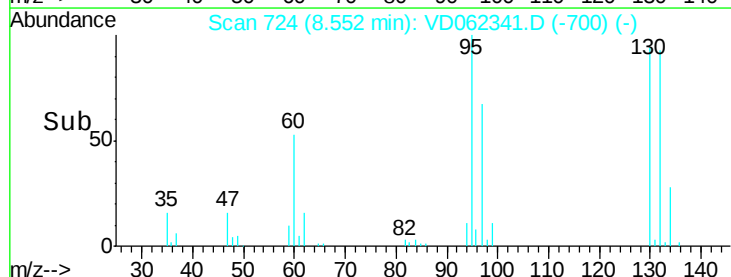
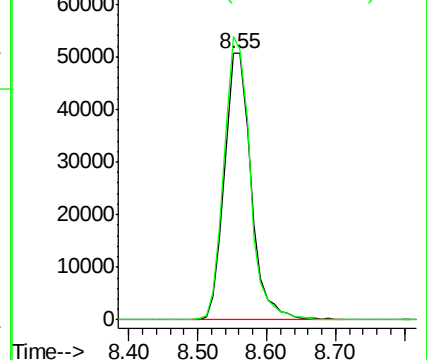
Ion Ratio Lower Upper

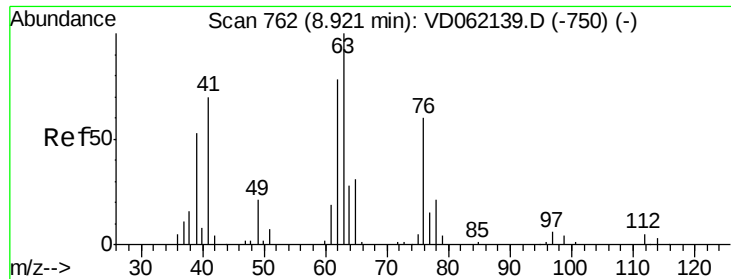
130 100

95 106.3 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: 19.466 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

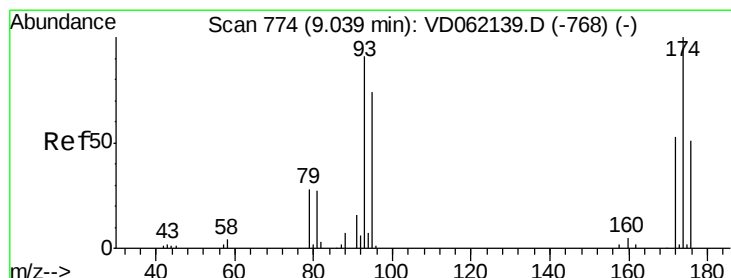
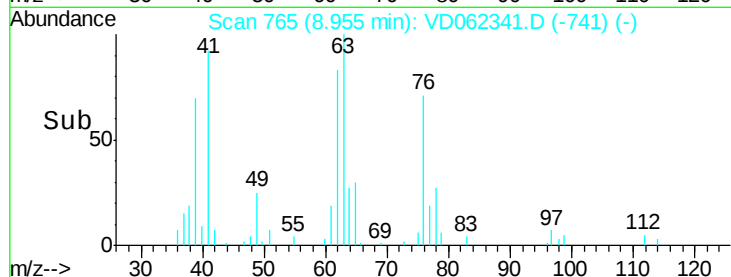
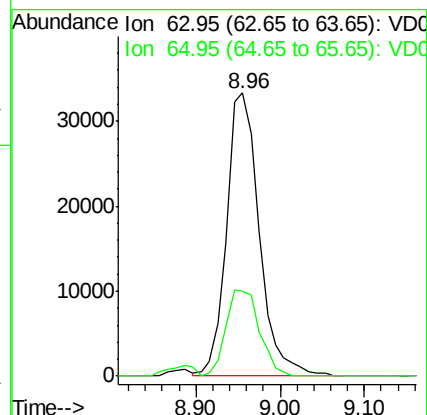
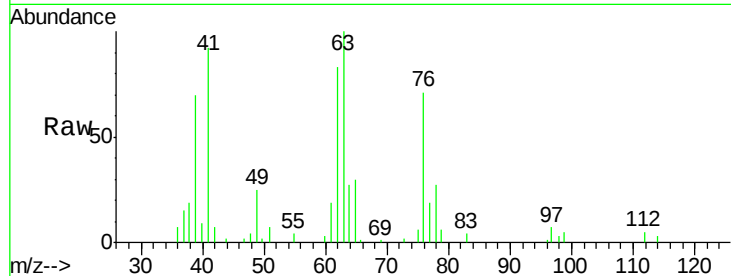
VD0514SBS01

Tot Ion: 63 Resp: 89610

Ion Ratio Lower Upper

63 100

65 30.0 23.8 35.6



#46

Dibromomethane

Concen: 20.989 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

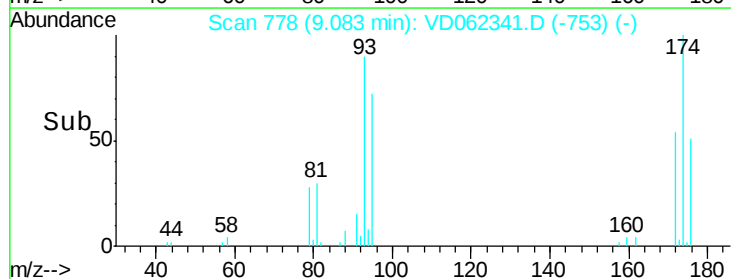
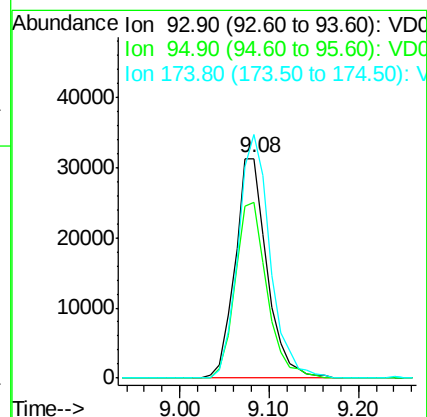
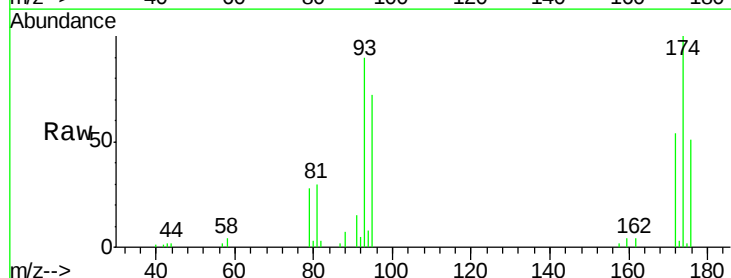
Tgt Ion: 93 Resp: 78571

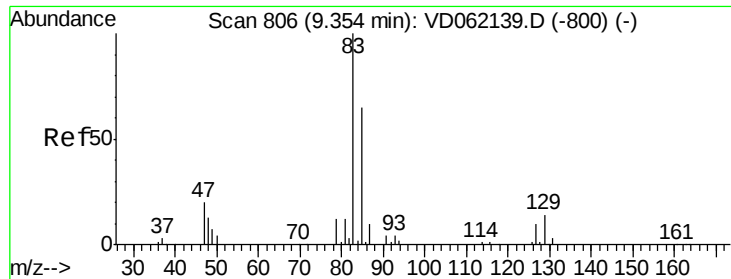
Ion Ratio Lower Upper

93 100

95 80.2 64.8 97.2

174 110.8 79.3 118.9





#47

Bromodichloromethane

Concen: 20.698 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

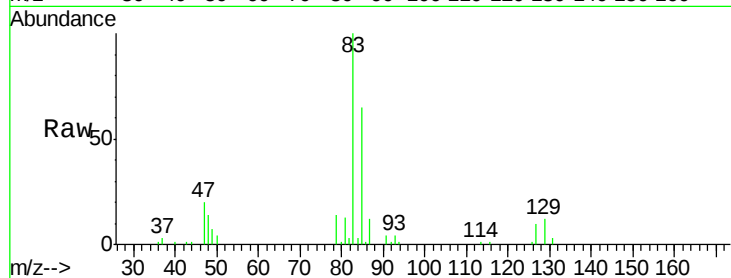
Tot Ion: 83 Resp: 189518

Ion Ratio Lower Upper

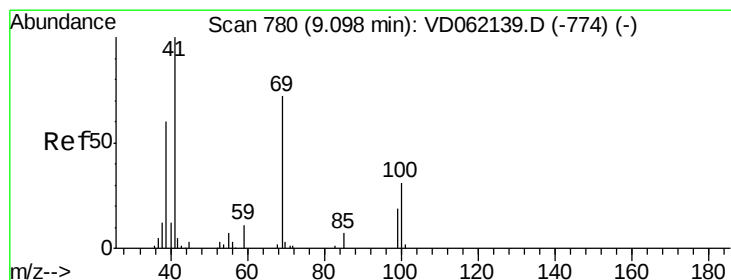
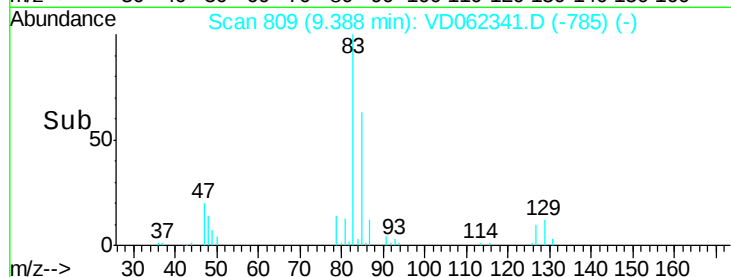
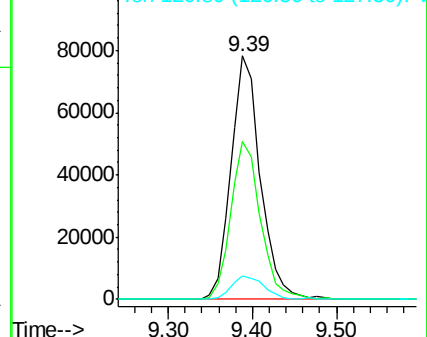
83 100

85 64.8 50.9 76.3

127 9.7 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: 22.703 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

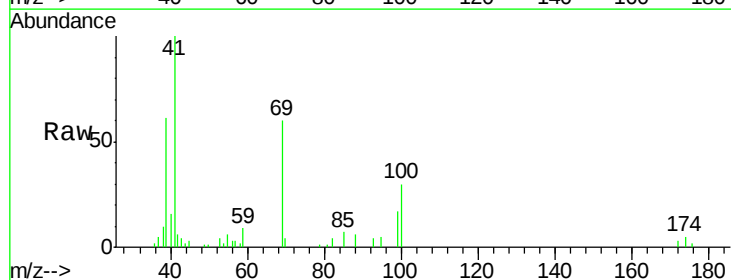
Tgt Ion: 41 Resp: 69320

Ion Ratio Lower Upper

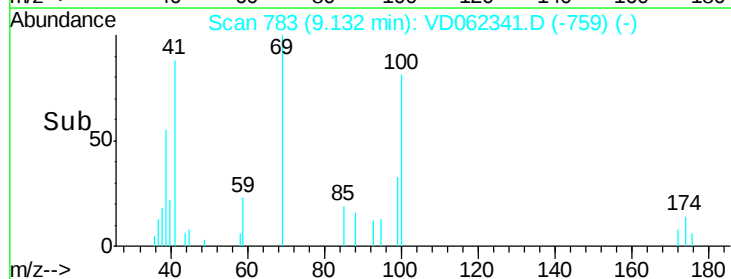
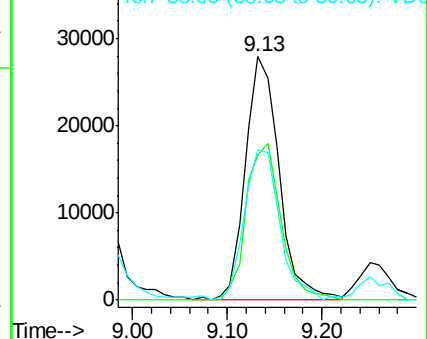
41 100

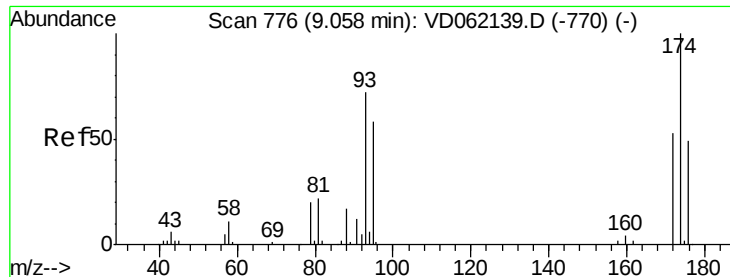
69 59.5 64.2 96.2#

39 61.4 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: 345.864 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

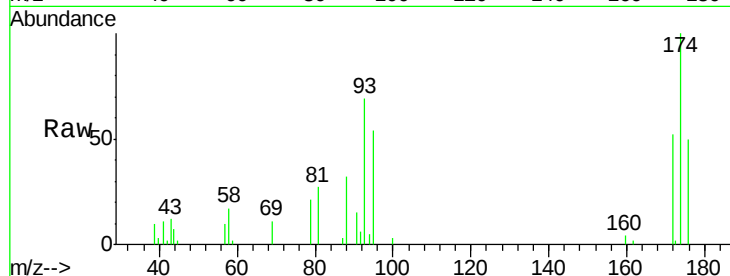
Tot Ion: 88 Resp: 11394

Ion Ratio Lower Upper

88 100

43 37.6 23.4 35.0#

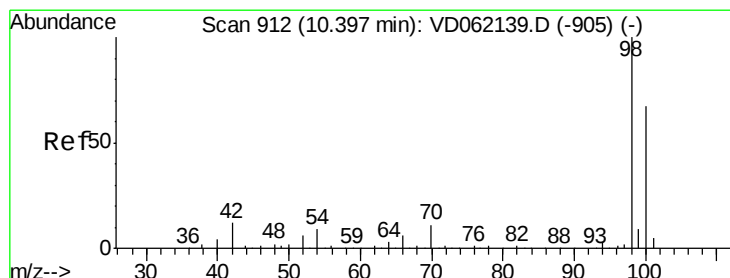
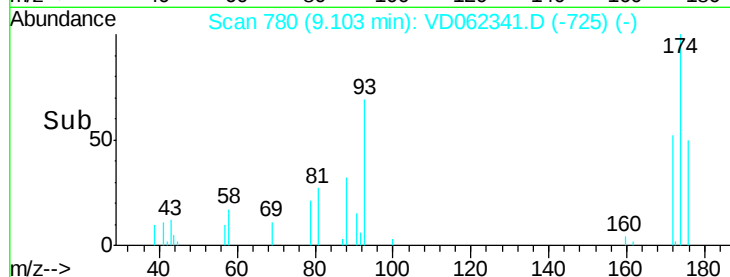
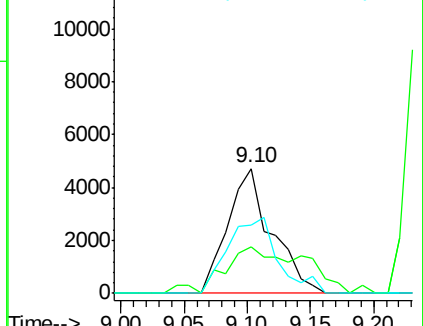
58 54.0 44.0 66.0



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: 47.993 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062341.D

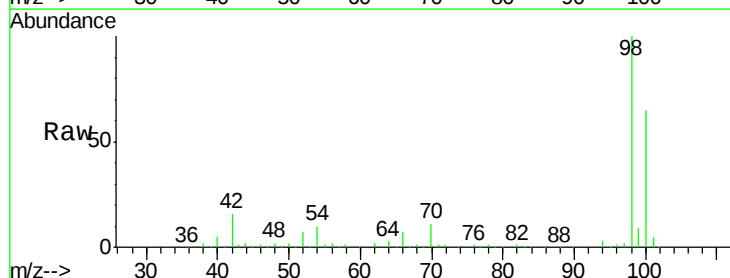
Acq: 14 May 2019 12:50

Tgt Ion: 98 Resp: 965083

Ion Ratio Lower Upper

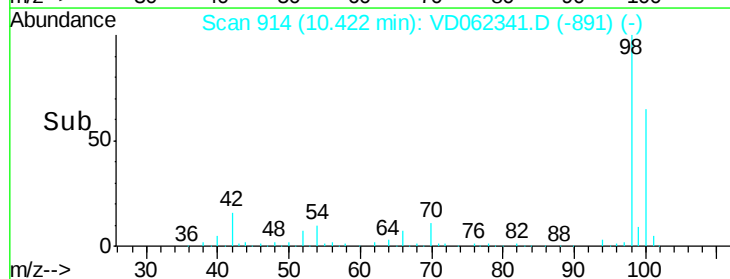
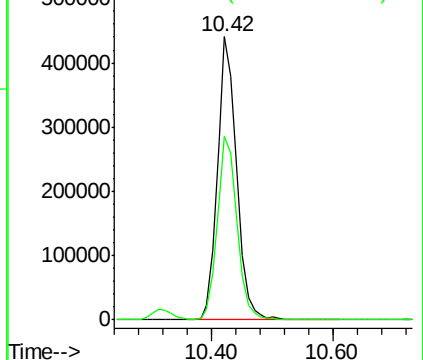
98 100

100 64.8 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: 107.757 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

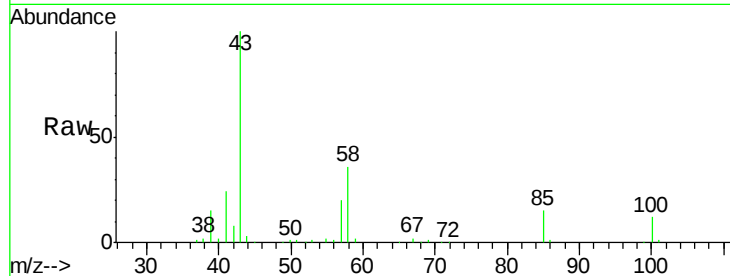
VD0514SBS01

Tot Ion: 43 Resp: 343354

Ion Ratio Lower Upper

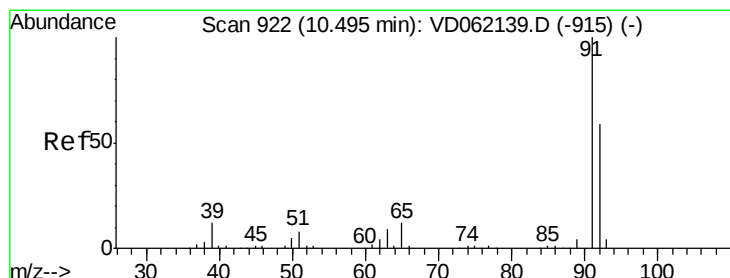
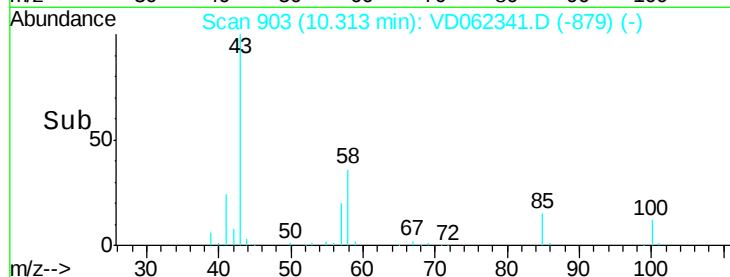
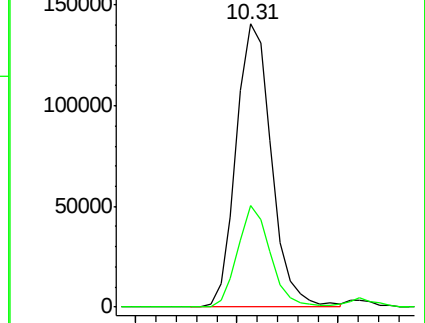
43 100

58 35.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.227 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062341.D

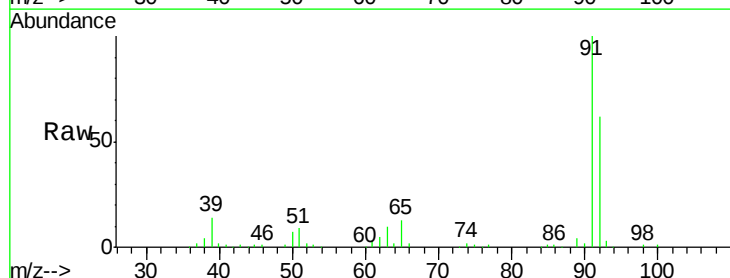
Acq: 14 May 2019 12:50

Tgt Ion: 92 Resp: 244933

Ion Ratio Lower Upper

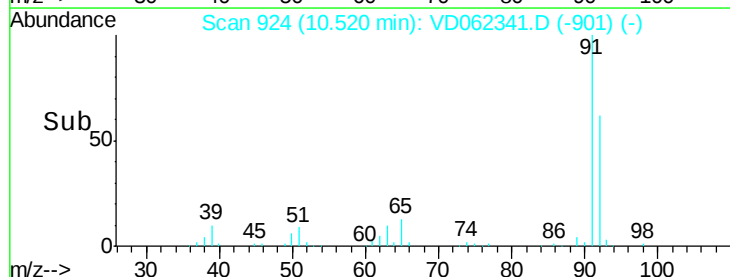
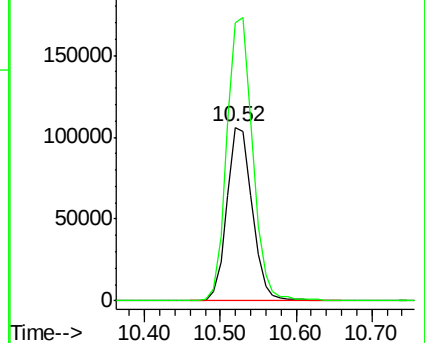
92 100

91 160.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

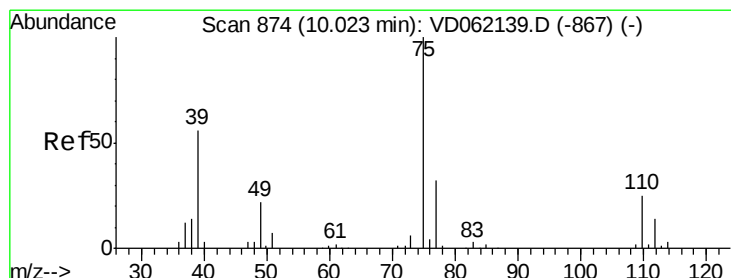
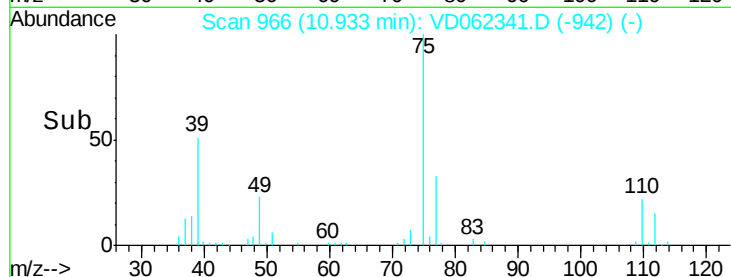
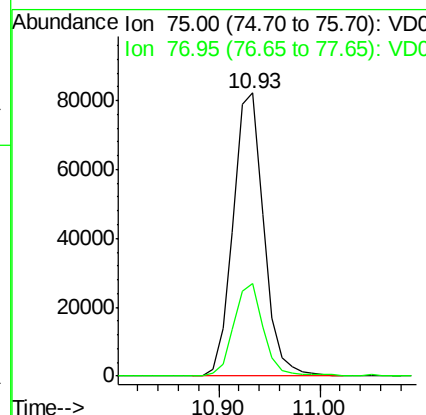
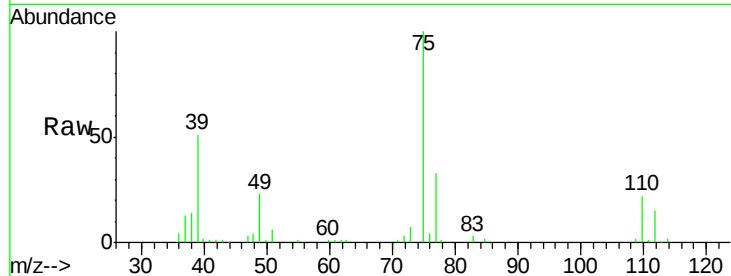




#53
 t-1,3-Dichloropropene
 Concen: 21.868 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

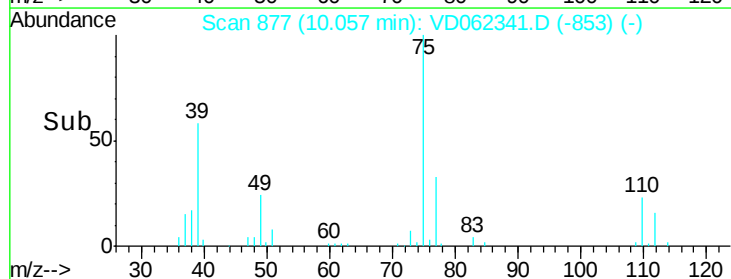
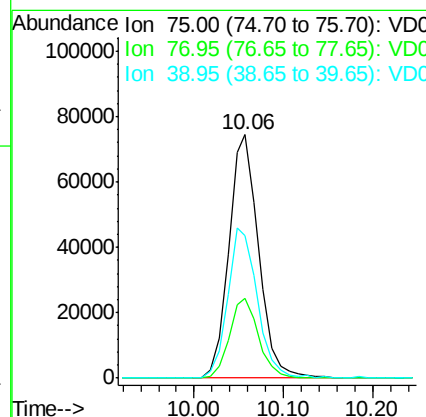
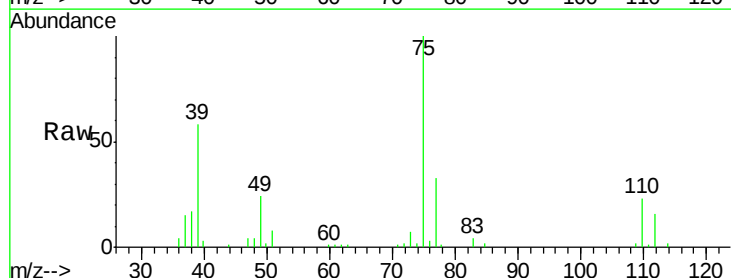
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

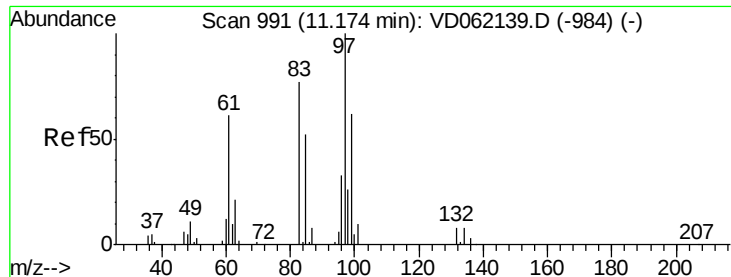
Tot Ion: 75 Resp: 173055
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.137 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

Tgt Ion: 75 Resp: 173849
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3
 39 58.5 39.4 59.2

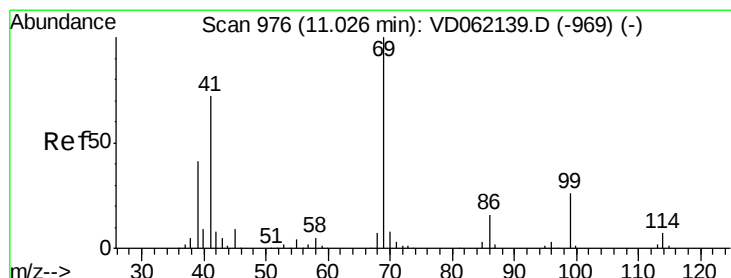
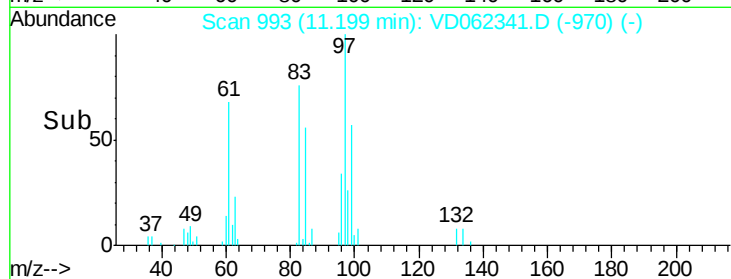
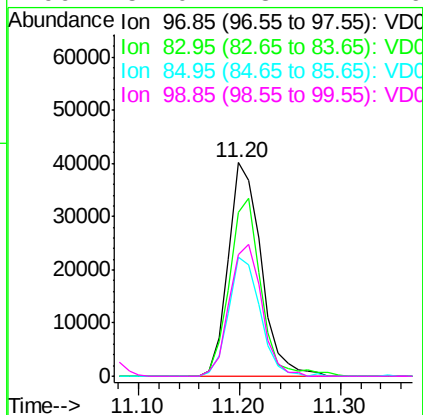
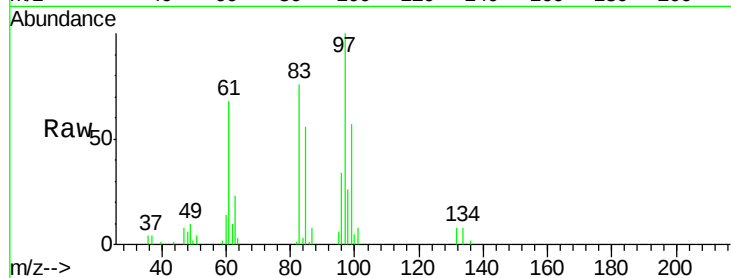




#55
 1,1,2-Trichloroethane
 Concen: 21.151 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

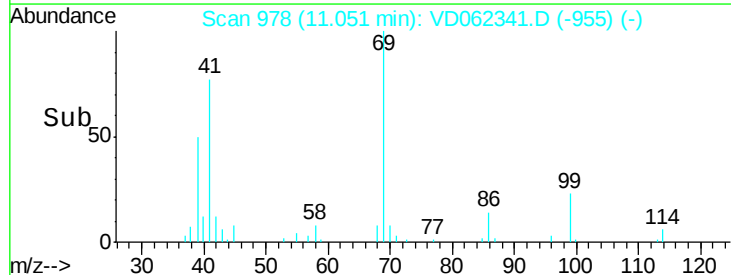
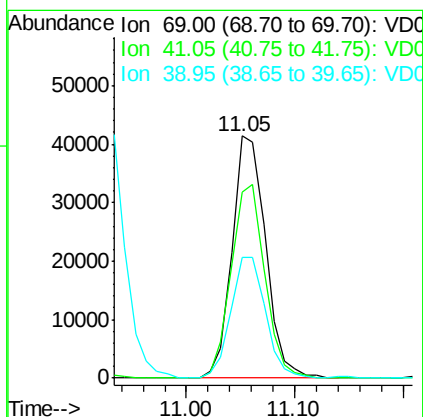
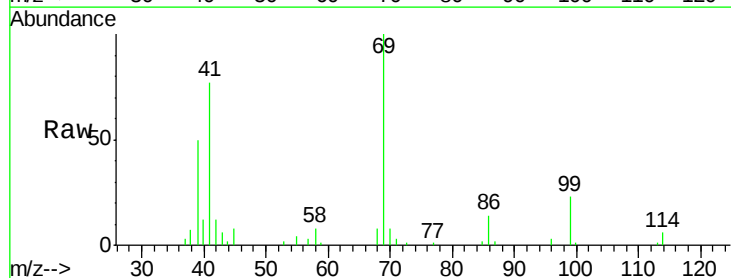
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

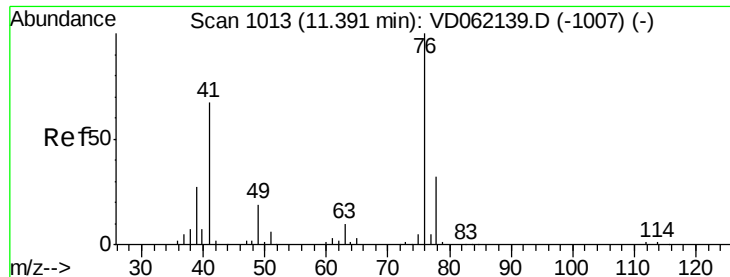
Tot Ion:	97	Resp:	90621
Ion	Ratio	Lower	Upper
97	100		
83	76.4	65.7	98.5
85	55.6	45.6	68.4
99	57.0	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 20.020 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

Tgt Ion:	69	Resp:	89132
Ion	Ratio	Lower	Upper
69	100		
41	77.0	56.3	84.5
39	50.1	29.4	44.2#

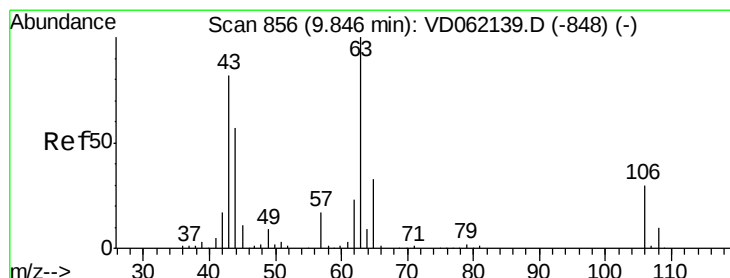
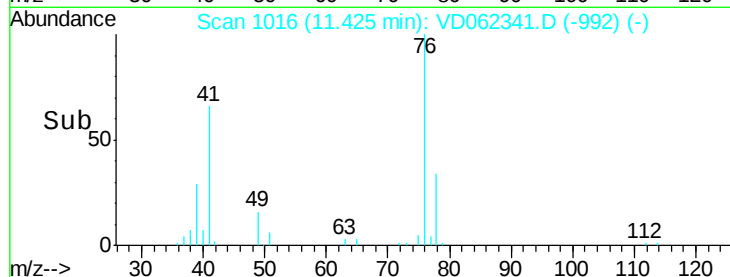
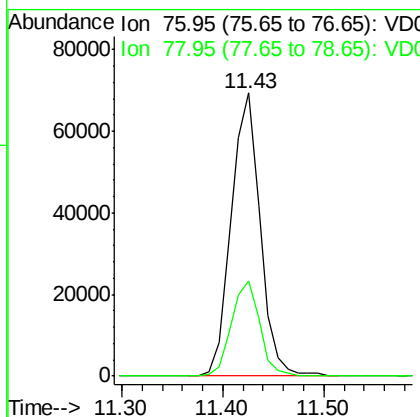
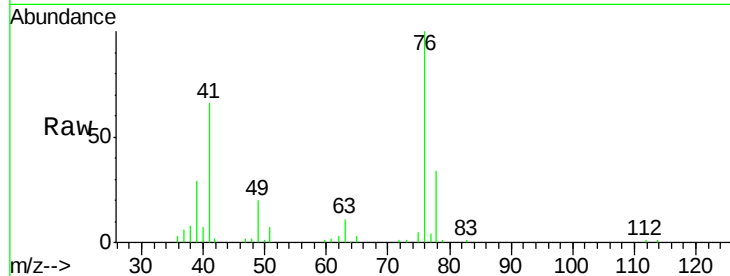




#57
 1,3-Dichloropropane
 Concen: 21.279 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

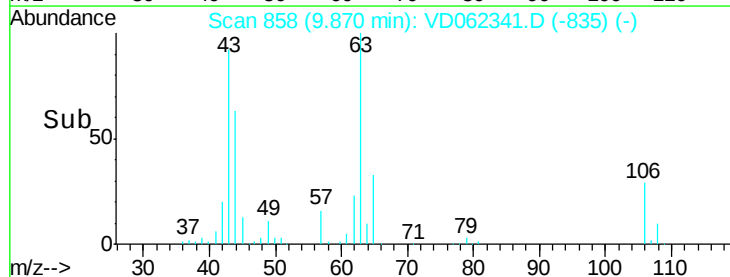
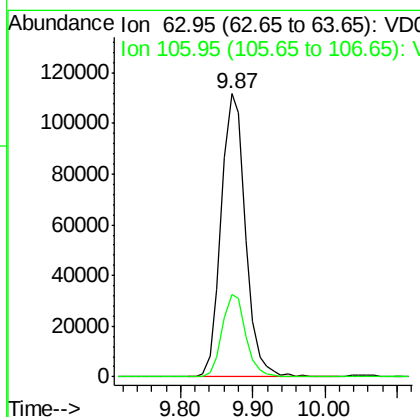
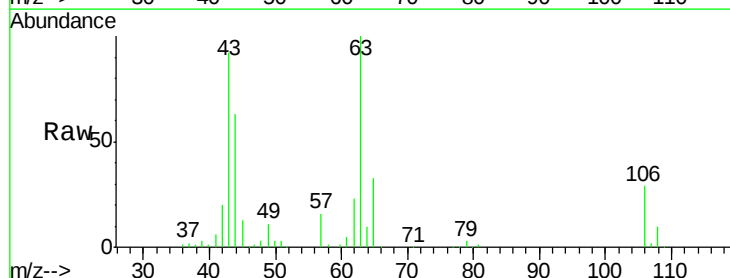
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Tot Ion: 76 Resp: 137732
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.109 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

Tgt Ion: 63 Resp: 260481
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.6 34.0





#59

2-Hexanone

Concen: 116.620 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

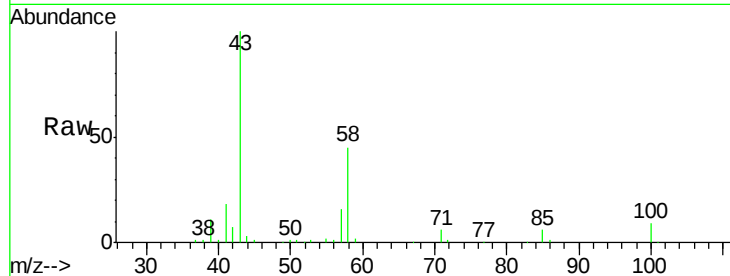
VD0514SBS01

Tot Ion: 43 Resp: 273881

Ion Ratio Lower Upper

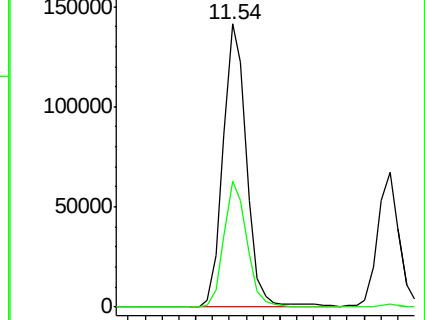
43 100

58 44.6 25.4 76.4

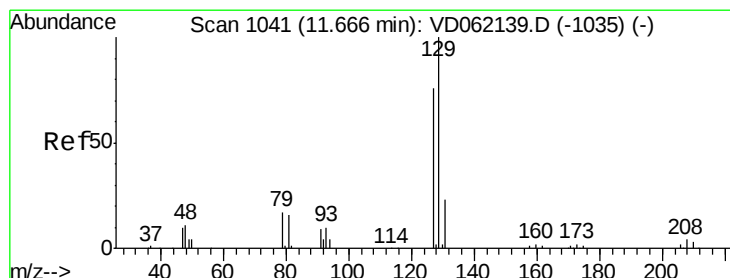
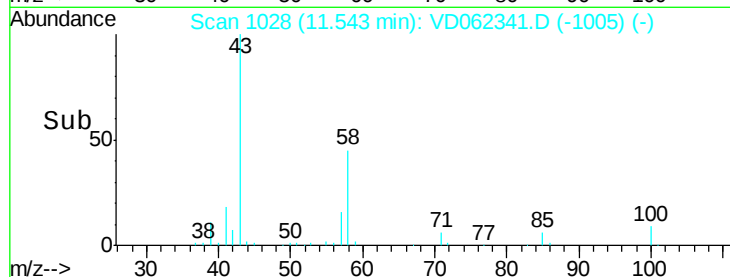


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#60

Dibromochloromethane

Concen: 21.487 ug/l

RT: 11.70 min Scan# 1044

Delta R.T. 0.03 min

Lab File: VD062341.D

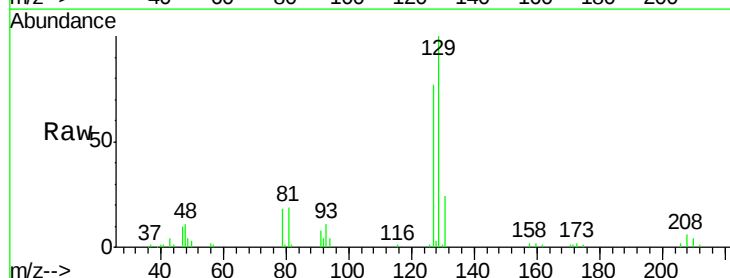
Acq: 14 May 2019 12:50

Tgt Ion: 129 Resp: 159097

Ion Ratio Lower Upper

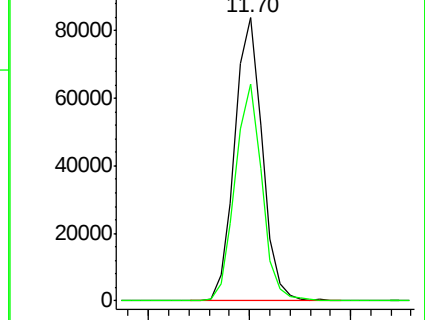
129 100

127 76.5 38.0 113.9

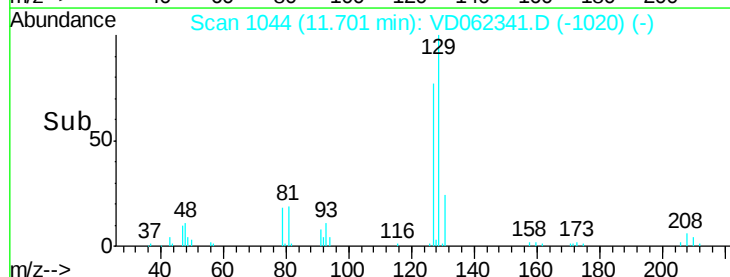


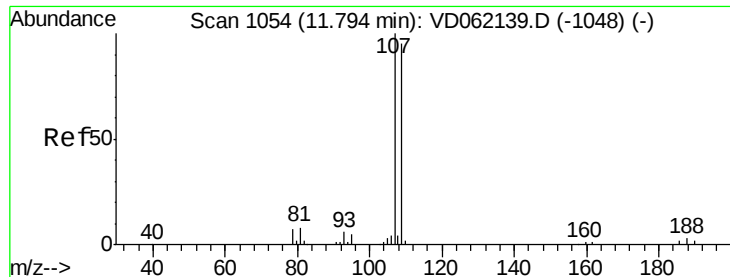
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->





#61

1,2-Dibromoethane

Concen: 19.626 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

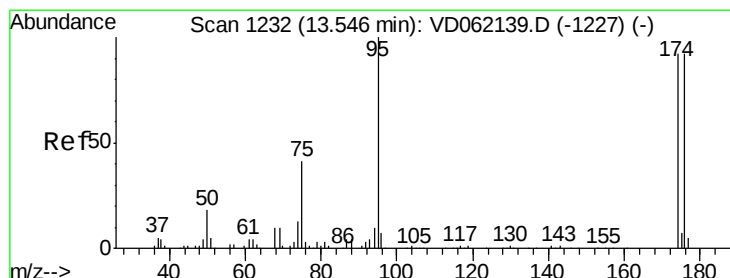
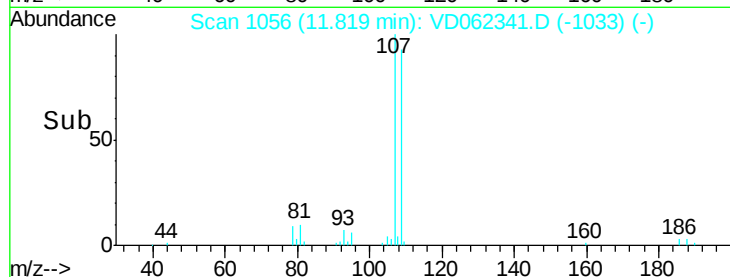
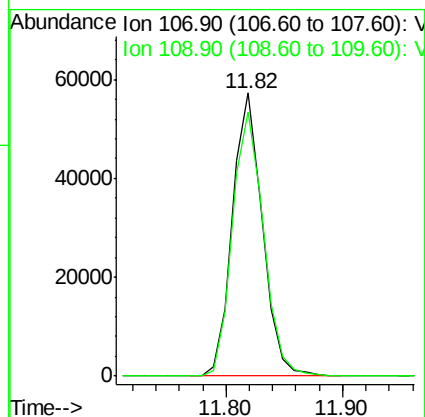
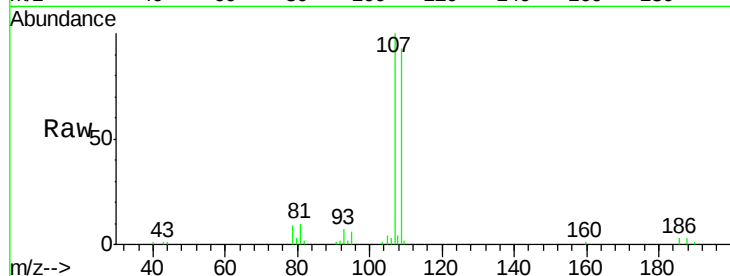
VD0514SBS01

Tot Ion:107 Resp: 102231

Ion Ratio Lower Upper

107 100

109 93.3 78.3 117.5



#62

4-Bromofluorobenzene

Concen: 49.913 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

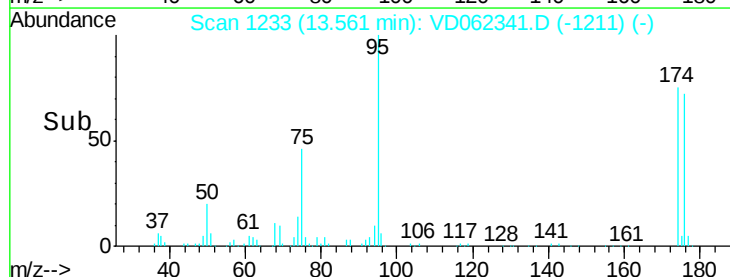
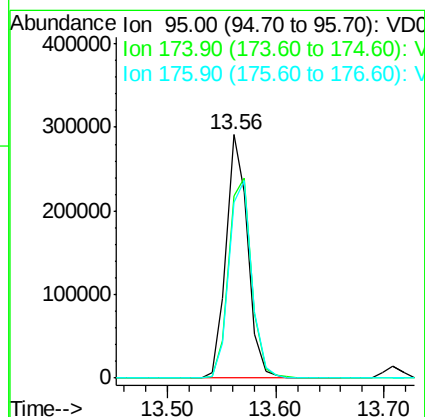
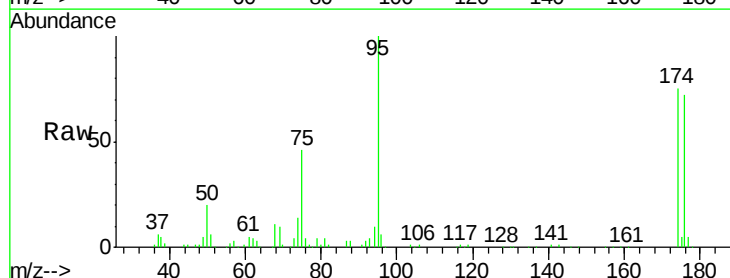
Tgt Ion: 95 Resp: 403054

Ion Ratio Lower Upper

95 100

174 74.7 0.0 181.8

176 72.2 0.0 174.4

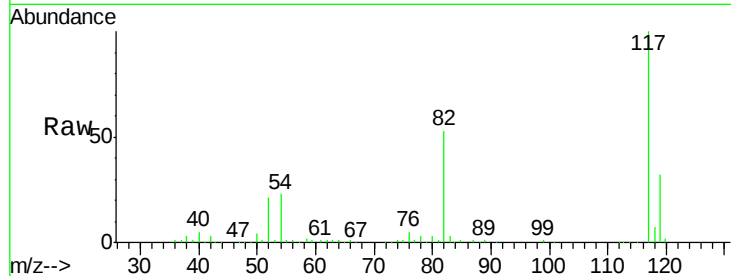




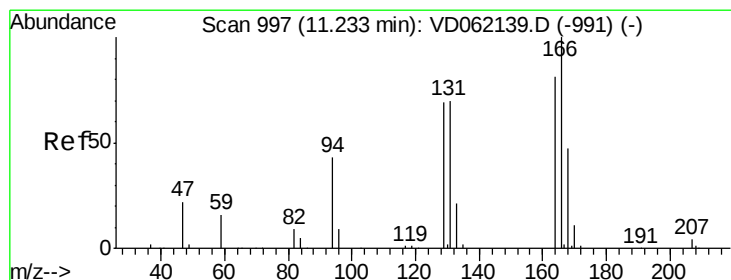
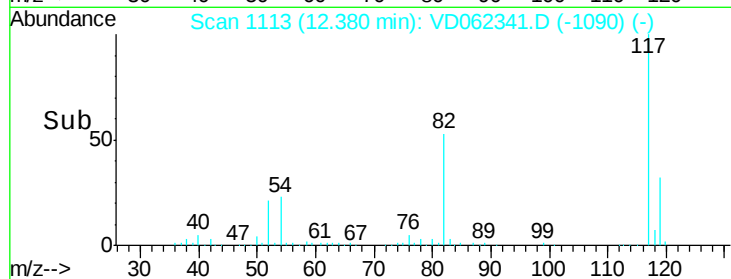
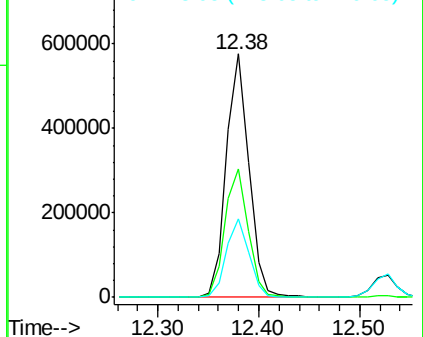
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion:117 Resp: 900849
Ion Ratio Lower Upper
117 100
82 52.8 36.2 54.2
119 32.5 26.2 39.4

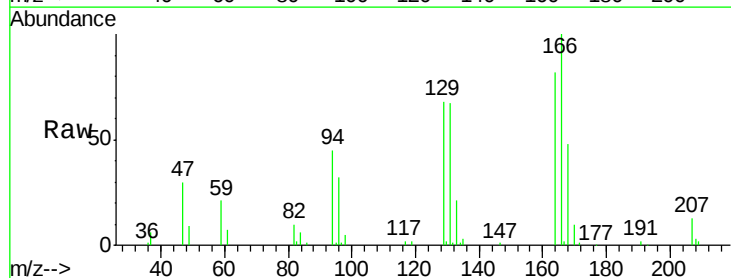


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

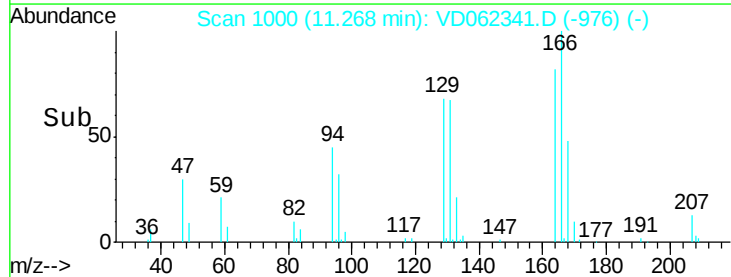
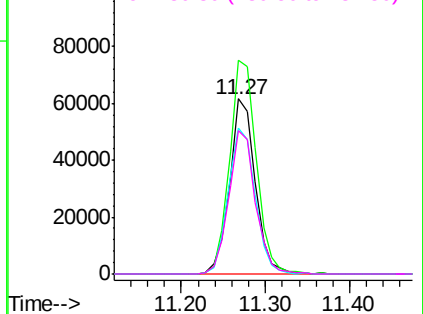


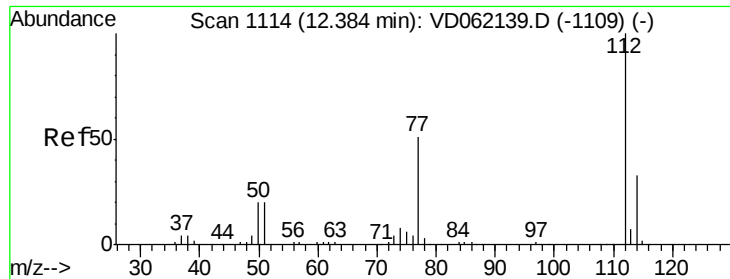
#64
Tetrachloroethene
Concen: 18.492 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion:164 Resp: 130263
Ion Ratio Lower Upper
164 100
166 122.1 101.5 152.3
129 83.5 74.6 112.0
131 81.9 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

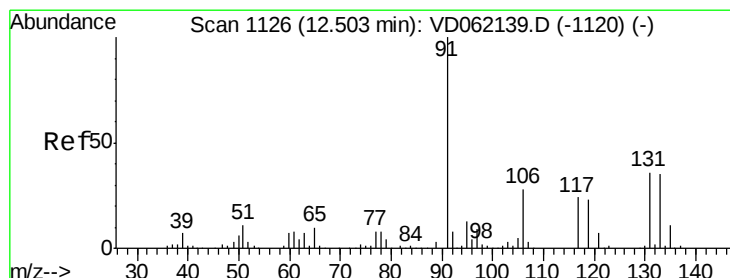
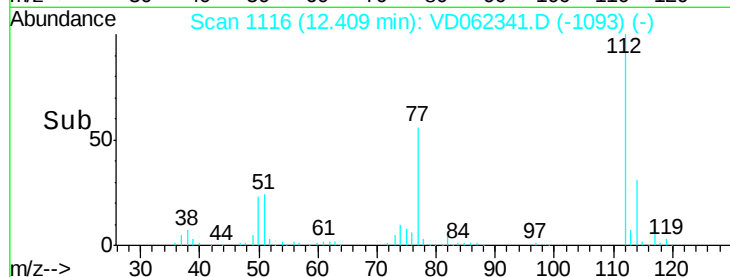
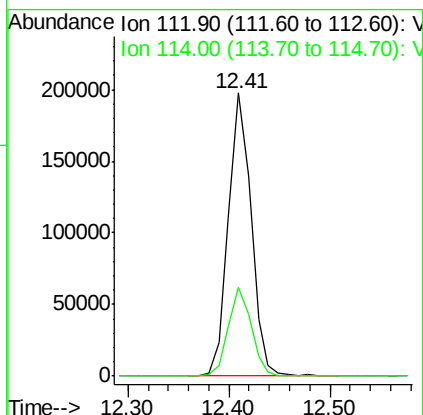
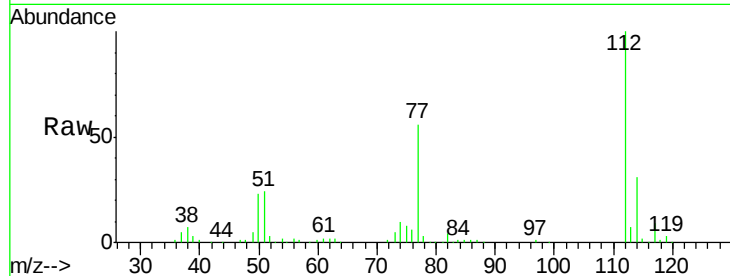




#65
Chlorobenzene
Concen: 18.523 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

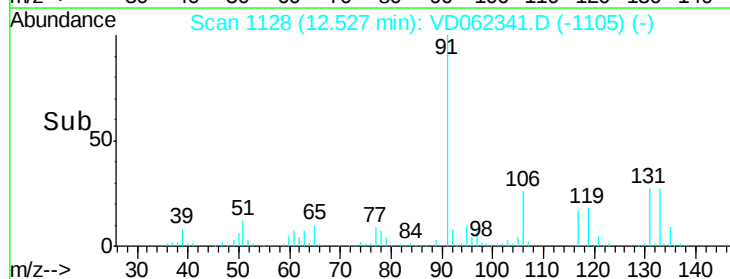
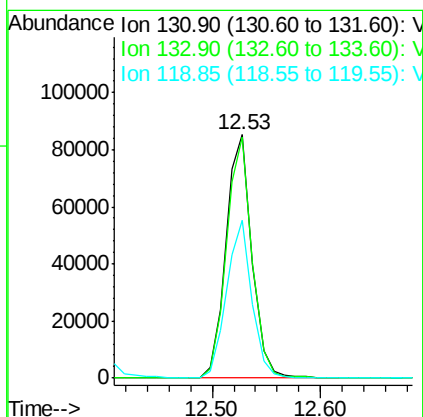
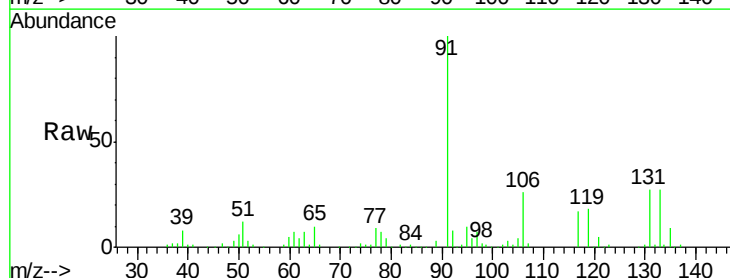
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion:112 Resp: 310796
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.413 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion:131 Resp: 141759
Ion Ratio Lower Upper
131 100
133 99.0 48.6 145.8
119 64.6 34.7 104.1

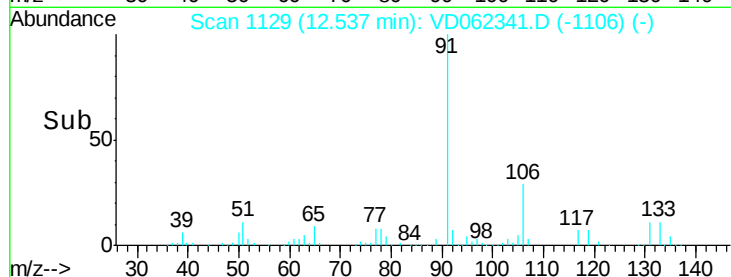
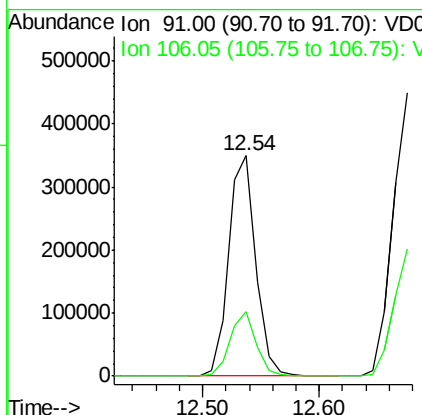
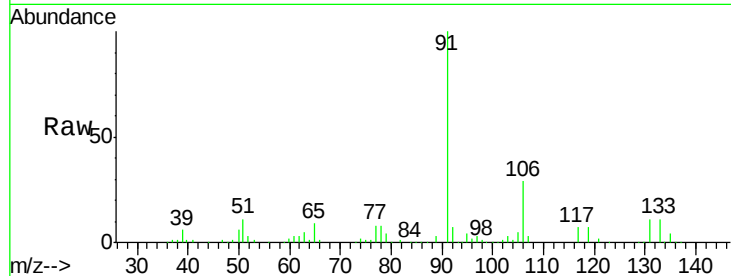




#67
Ethyl Benzene
Concen: 19.985 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

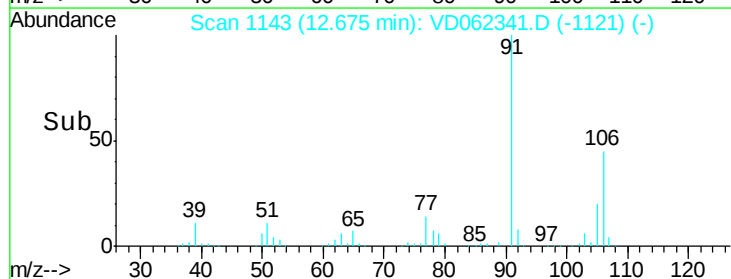
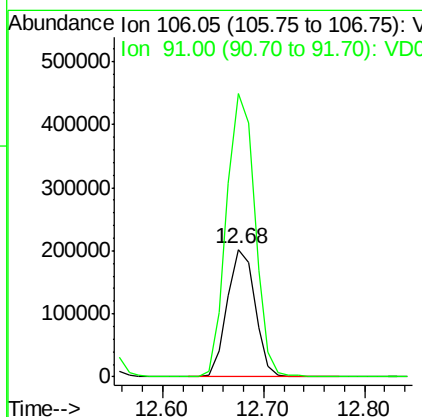
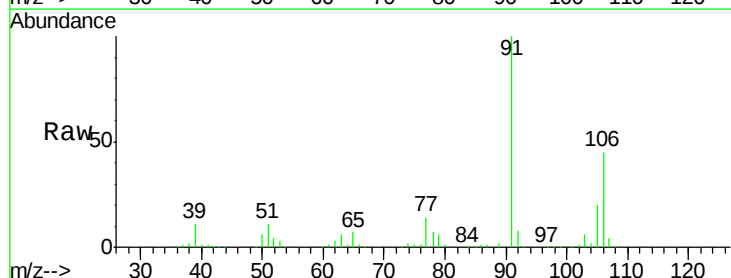
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion: 91 Resp: 561376
Ion Ratio Lower Upper
91 100
106 29.3 24.7 37.1



#68
m/p-Xylenes
Concen: 38.031 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 106 Resp: 388666
Ion Ratio Lower Upper
106 100
91 221.9 164.0 246.0

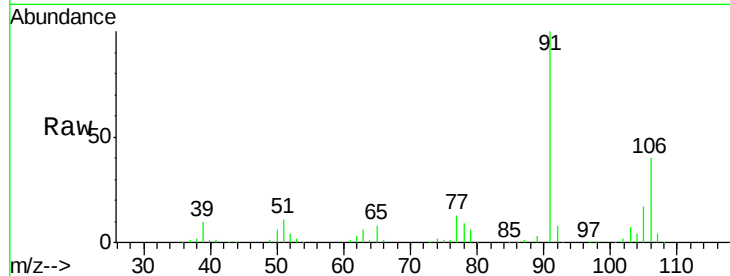




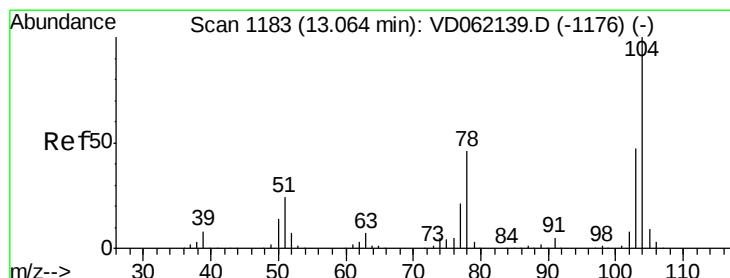
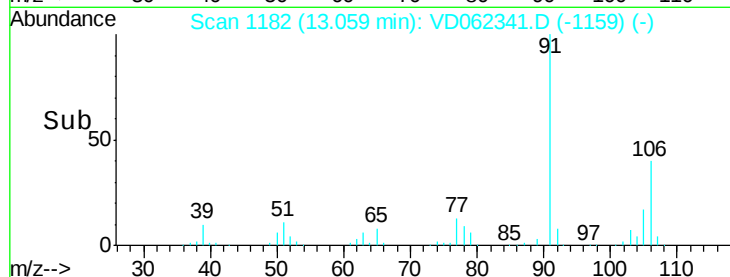
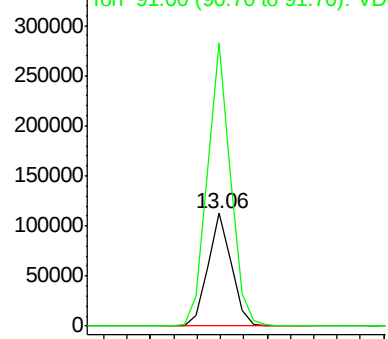
#69
o-Xylene
Concen: 16.695 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion:106 Resp: 158624
Ion Ratio Lower Upper
106 100
91 250.7 106.7 319.9

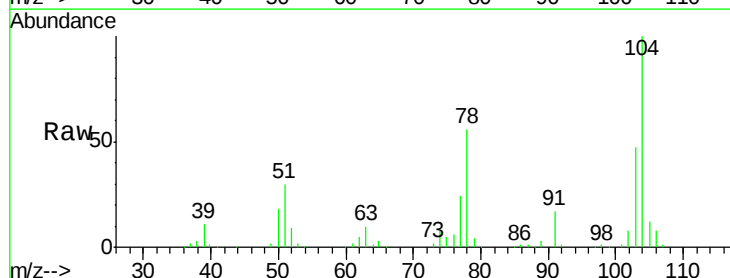


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

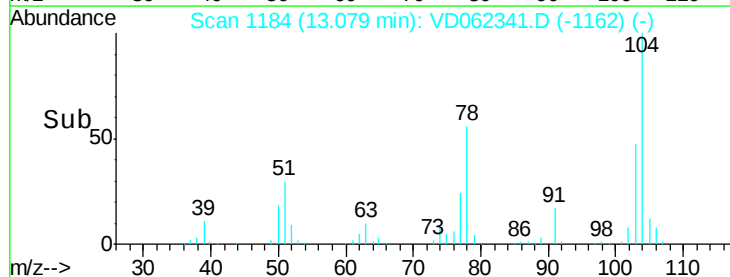
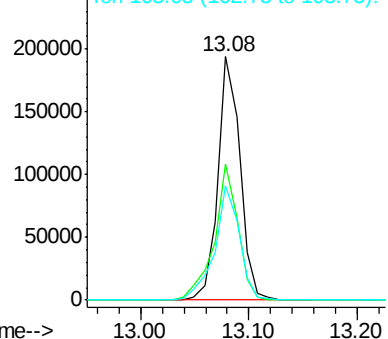


#70
Styrene
Concen: 16.988 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion:104 Resp: 273416
Ion Ratio Lower Upper
104 100
78 56.0 35.4 53.2#
103 46.7 37.5 56.3



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

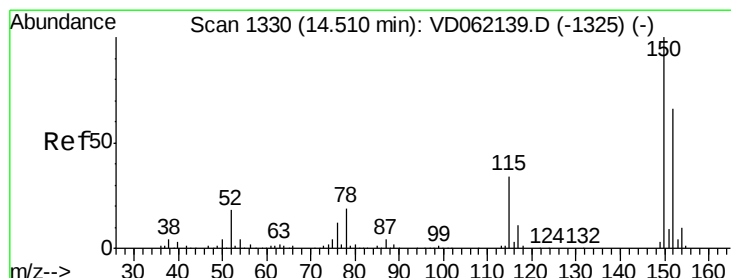
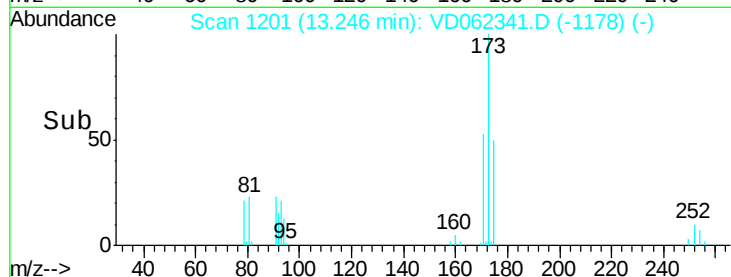
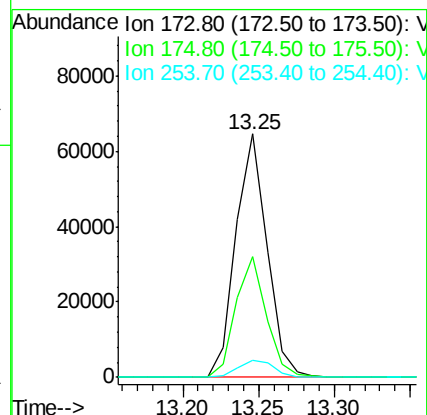
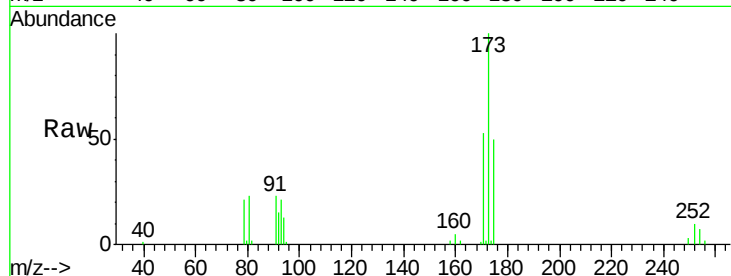




#71
Bromoform
Concen: 18.179 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

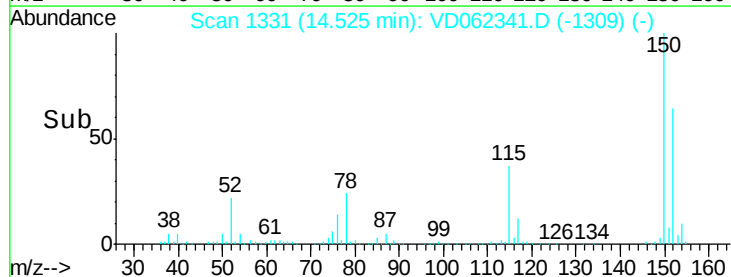
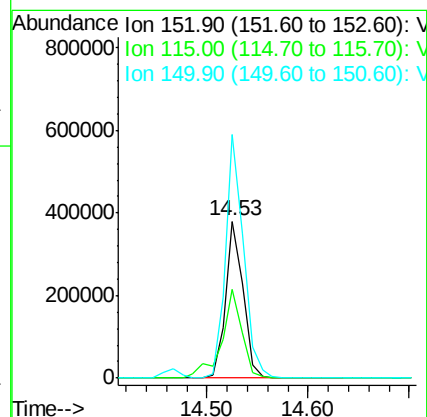
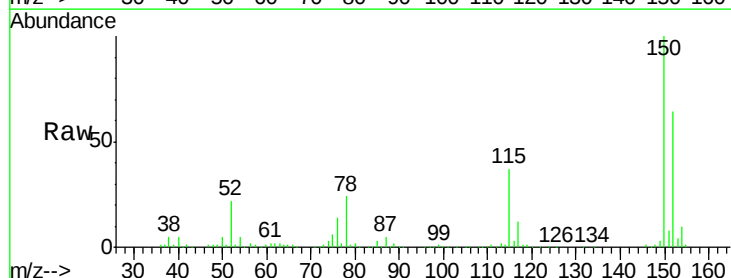
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

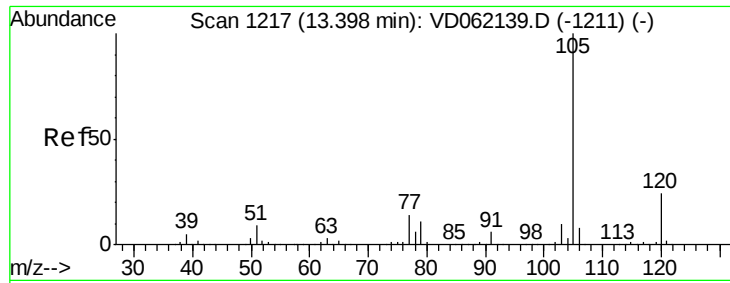
Tot Ion:173 Resp: 92356
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.4
254 7.0 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion:152 Resp: 461352
Ion Ratio Lower Upper
152 100
115 56.8 30.9 92.7
150 155.2 0.0 314.8





#73

Isopropylbenzene

Concen: 18.431 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

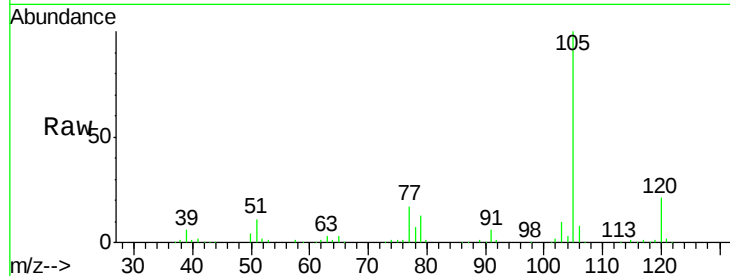
VD0514SBS01

Tot Ion:105 Resp: 509710

Ion Ratio Lower Upper

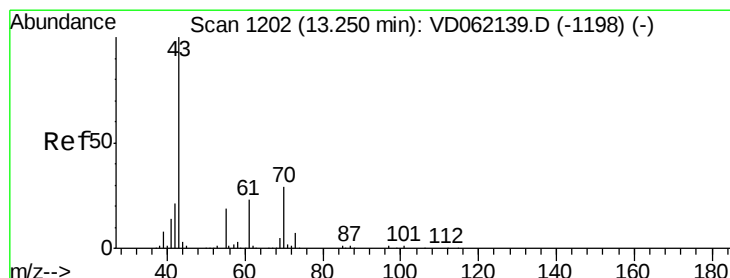
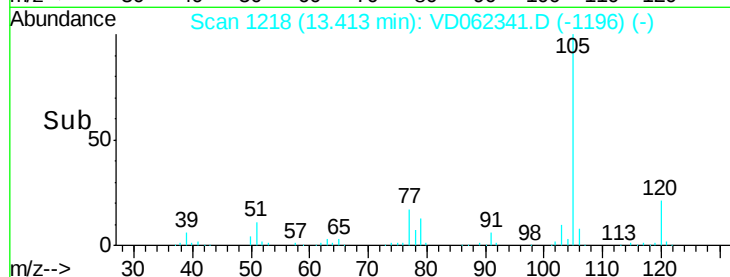
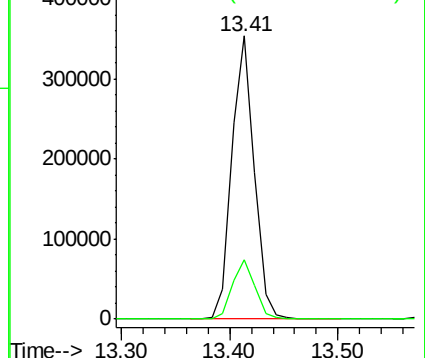
105 100

120 20.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.853 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Tgt Ion: 43 Resp: 136693

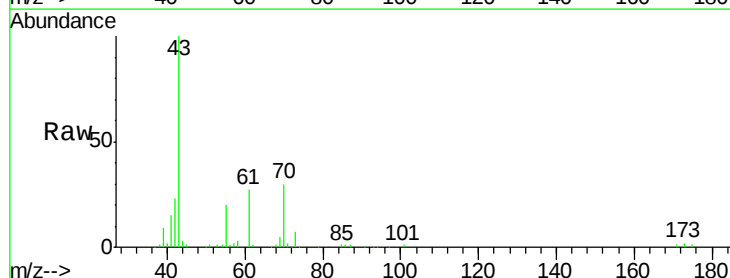
Ion Ratio Lower Upper

43 100

70 29.6 24.2 36.4

55 19.5 16.0 24.0

61 26.6 21.6 32.4

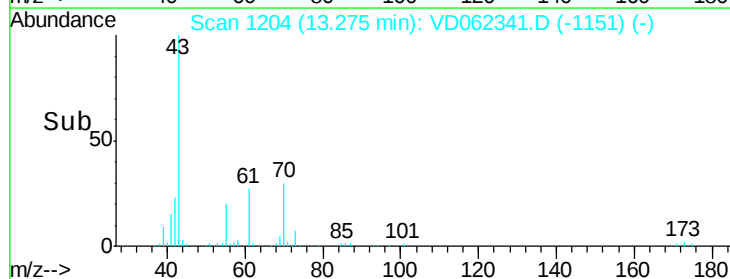
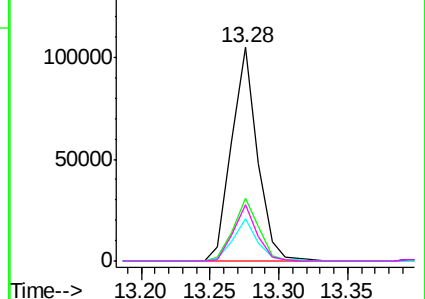


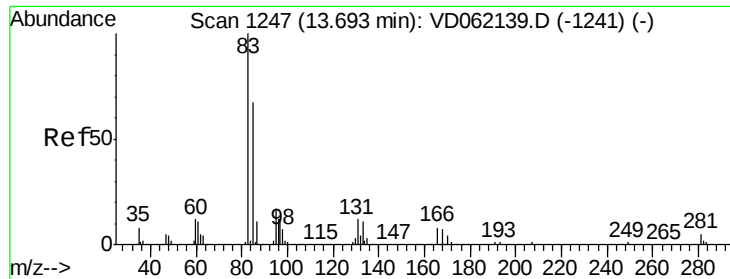
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.592 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

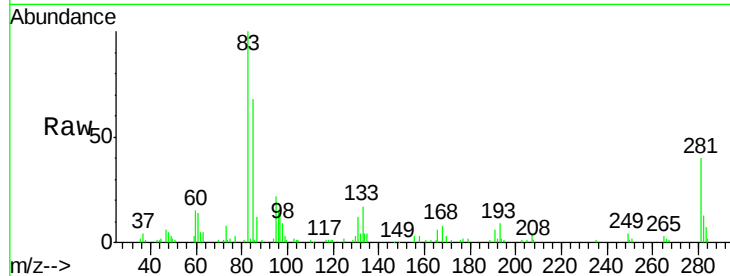
Tot Ion: 83 Resp: 92104

Ion Ratio Lower Upper

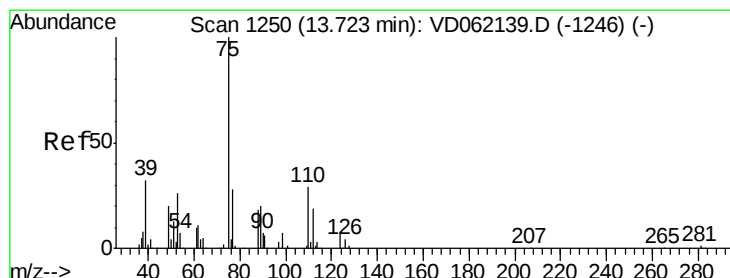
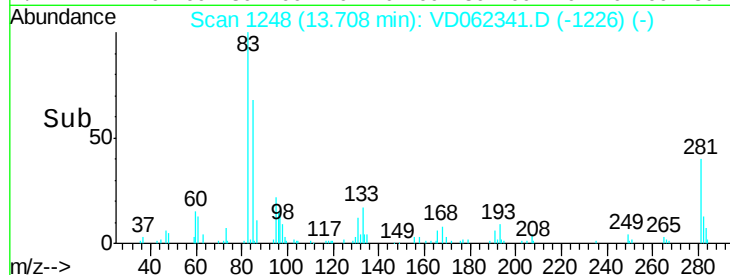
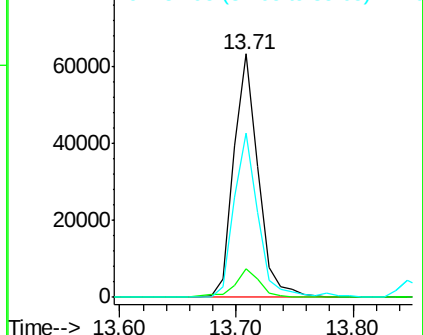
83 100

131 11.8 5.0 14.9

85 68.7 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: 19.784 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD062341.D

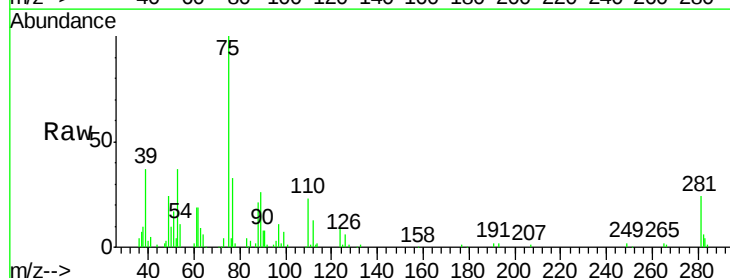
Acq: 14 May 2019 12:50

Tgt Ion: 75 Resp: 108470

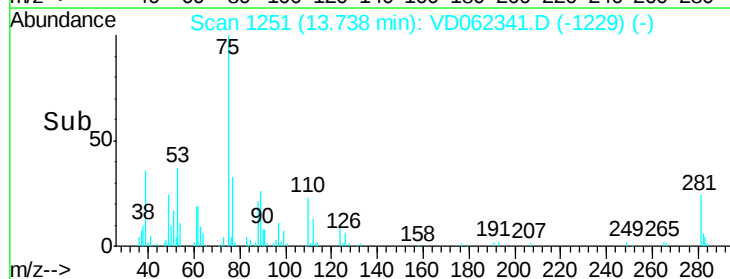
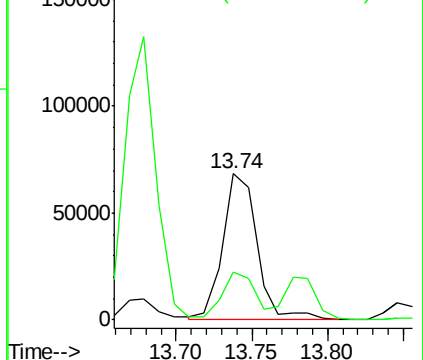
Ion Ratio Lower Upper

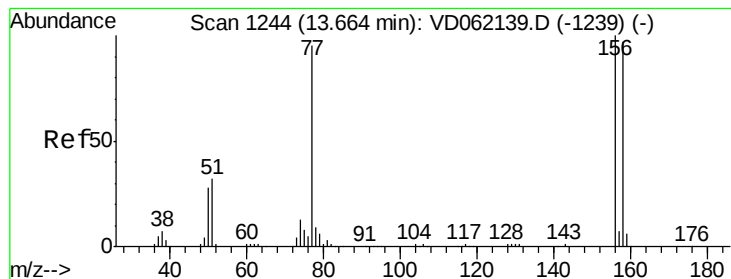
75 100

77 32.5 16.4 49.4



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





#77

Bromobenzene

Concen: 19.504 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

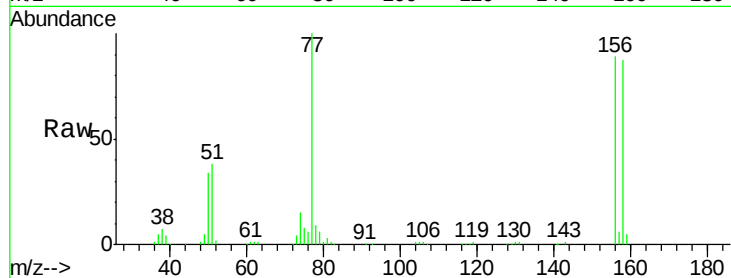
Tot Ion:156 Resp: 150995

Ion Ratio Lower Upper

156 100

77 112.9 53.1 159.4

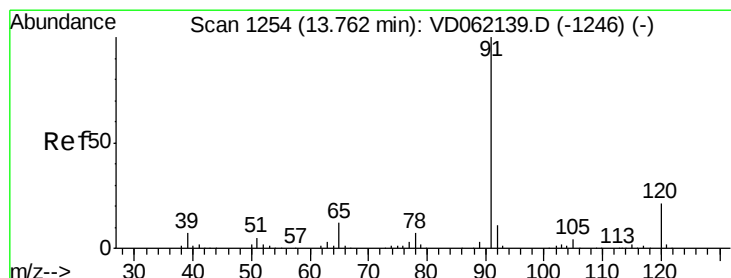
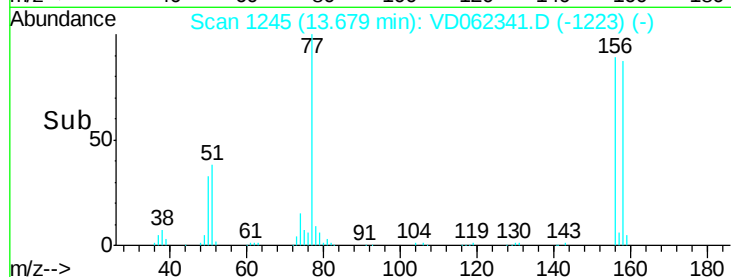
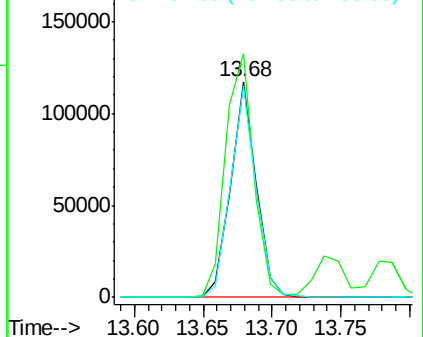
158 97.9 49.4 148.0



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: 20.372 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062341.D

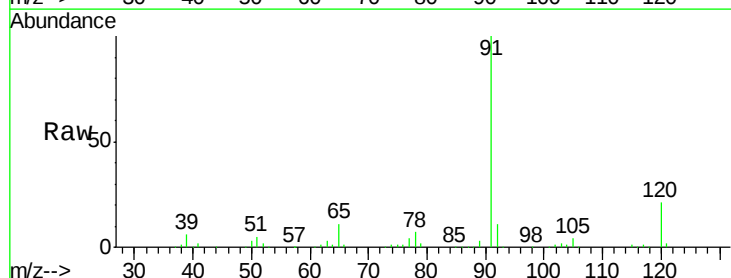
Acq: 14 May 2019 12:50

Tgt Ion: 91 Resp: 672070

Ion Ratio Lower Upper

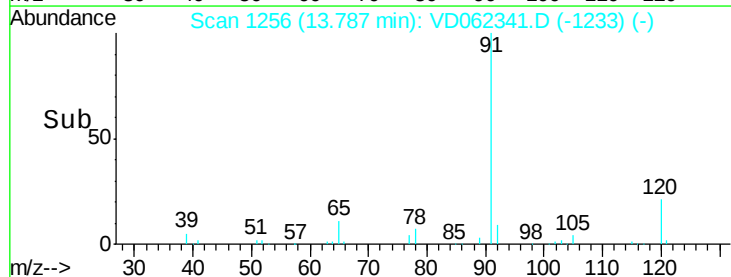
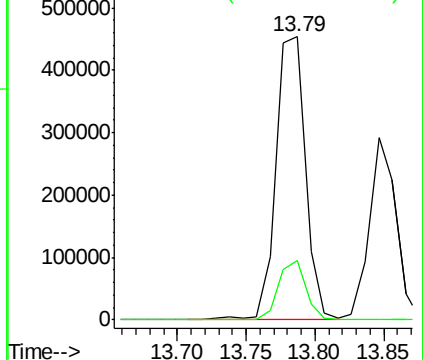
91 100

120 20.9 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: 20.681 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

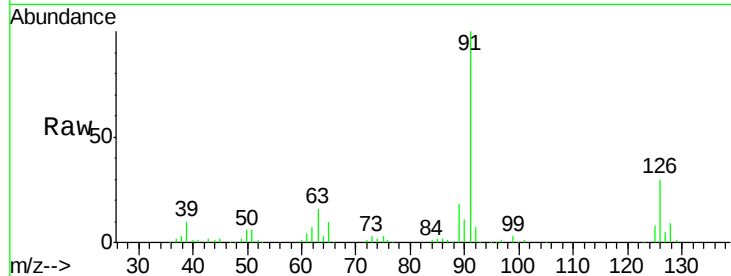
VD0514SBS01

Tot Ion: 91 Resp: 390729

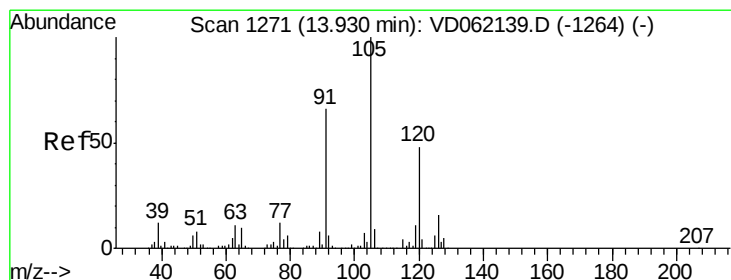
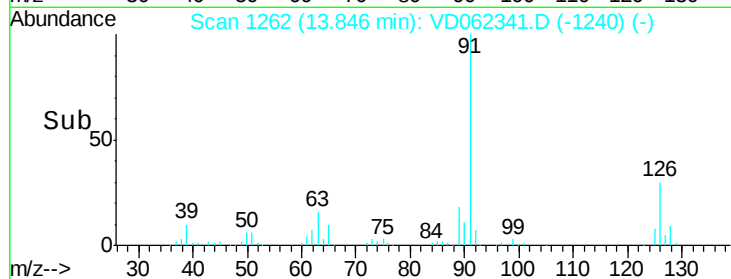
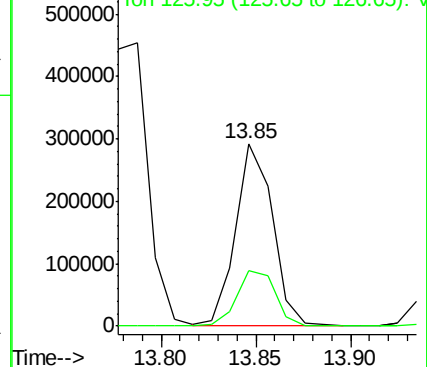
Ion Ratio Lower Upper

91 100

126 30.5 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.854 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VD062341.D

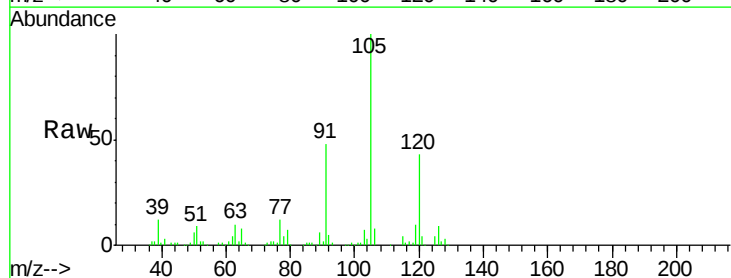
Acq: 14 May 2019 12:50

Tgt Ion: 105 Resp: 462345

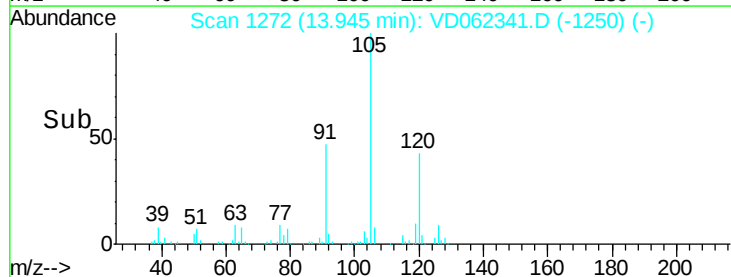
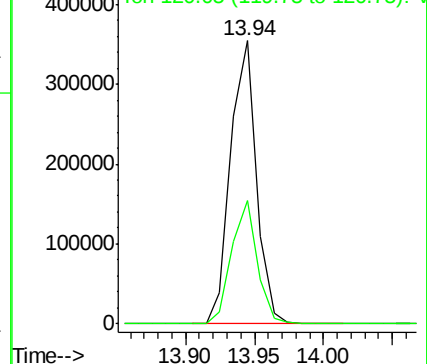
Ion Ratio Lower Upper

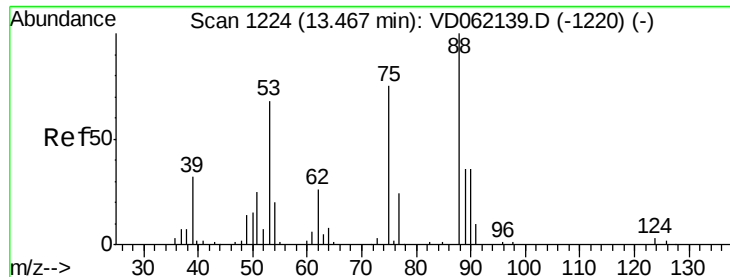
105 100

120 43.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.529 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

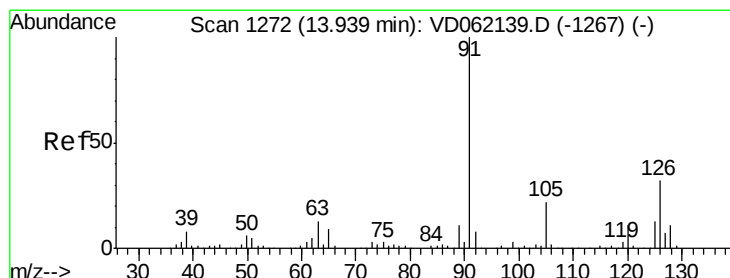
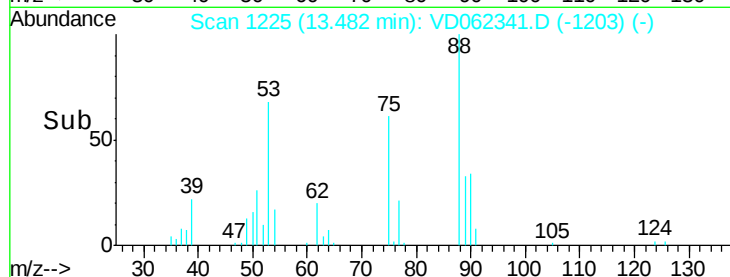
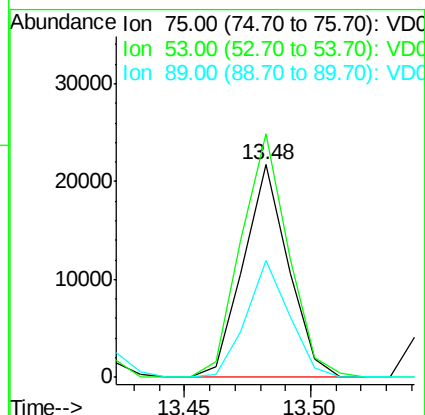
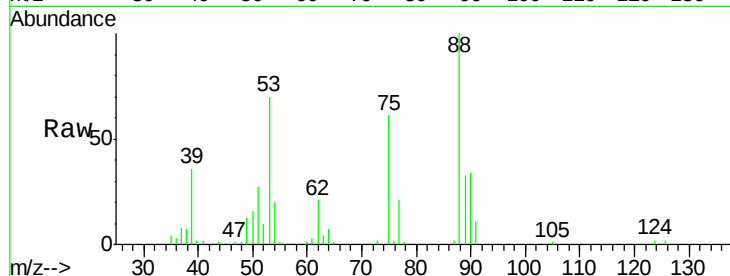
Tot Ion: 75 Resp: 27132

Ion Ratio Lower Upper

75 100

53 114.6 65.8 98.8#

89 54.8 35.0 52.6#



#82

4-Chlorotoluene

Concen: 20.093 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062341.D

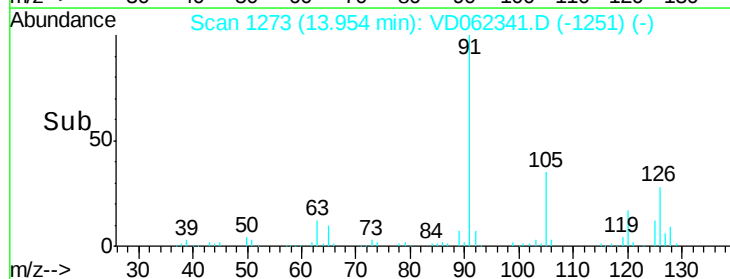
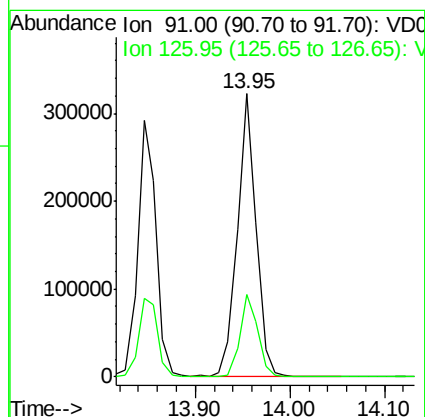
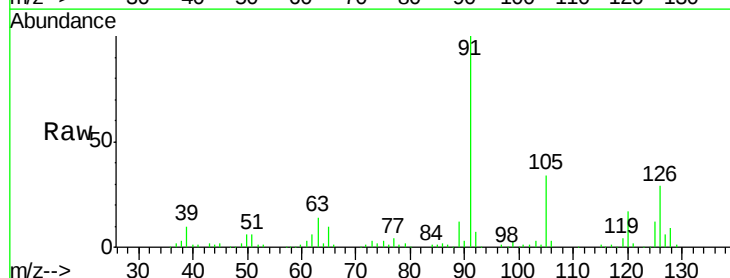
Acq: 14 May 2019 12:50

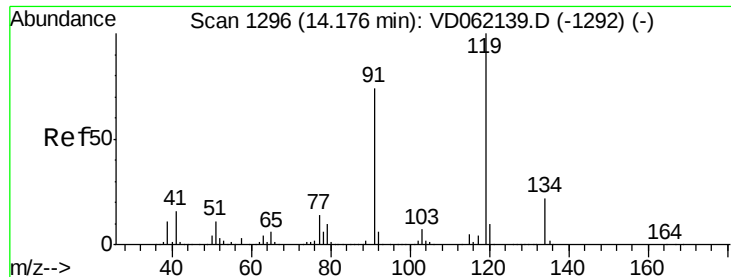
Tgt Ion: 91 Resp: 446720

Ion Ratio Lower Upper

91 100

126 29.3 19.1 57.5

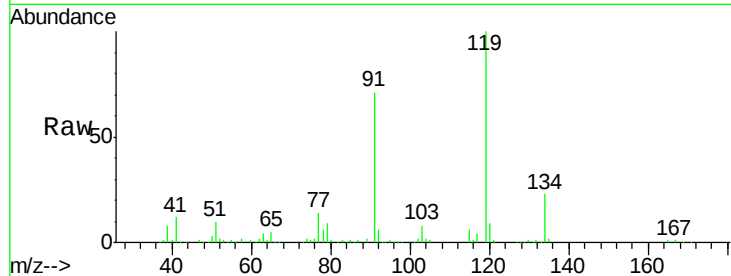




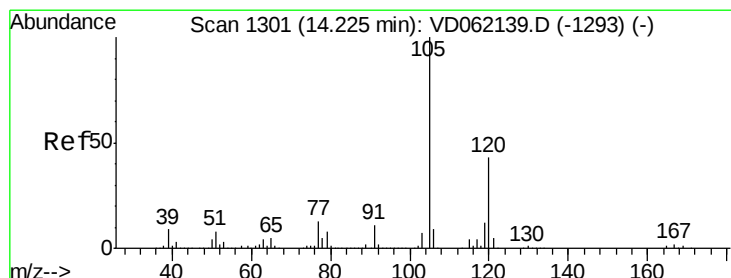
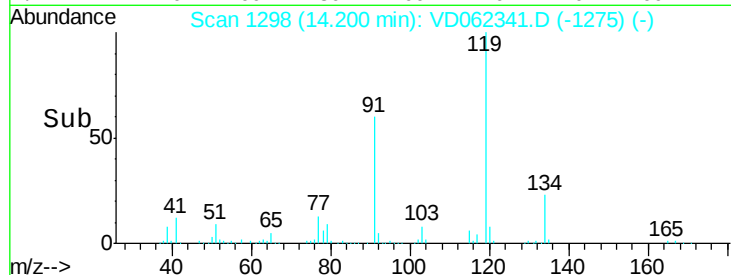
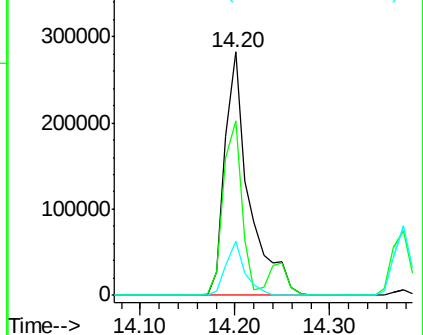
#83
tert-Butylbenzene
Concen: 19.142 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion:119 Resp: 501032
Ion Ratio Lower Upper
119 100
91 71.5 34.2 102.6
134 22.5 12.0 36.0

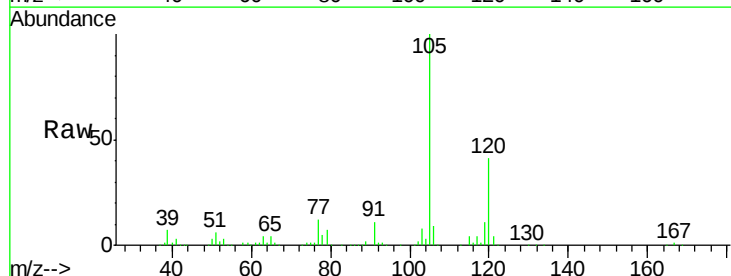


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

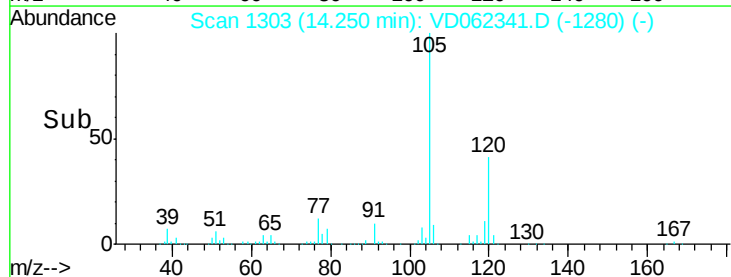
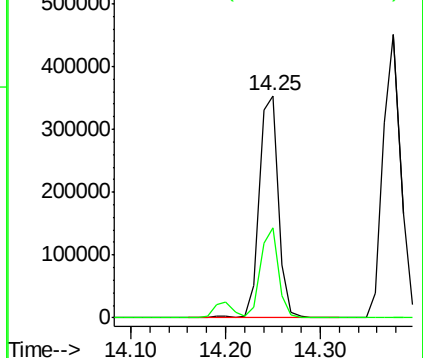


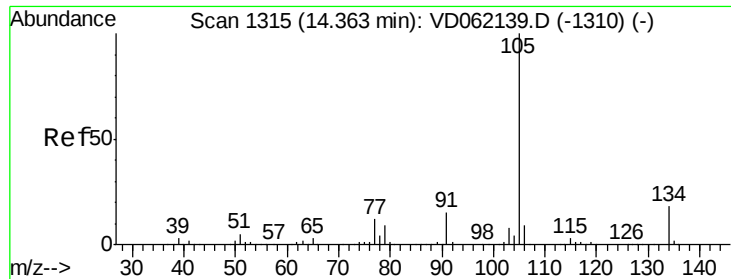
#84
1,2,4-Trimethylbenzene
Concen: 21.282 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion:105 Resp: 497333
Ion Ratio Lower Upper
105 100
120 40.8 23.1 69.2



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

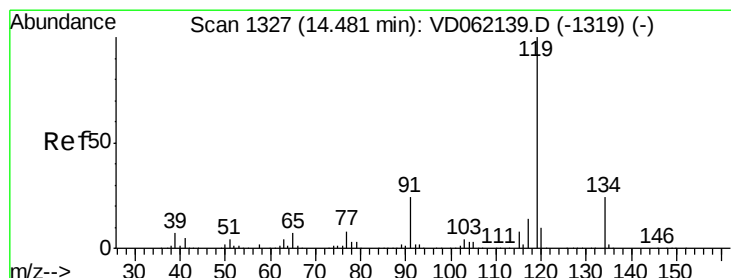
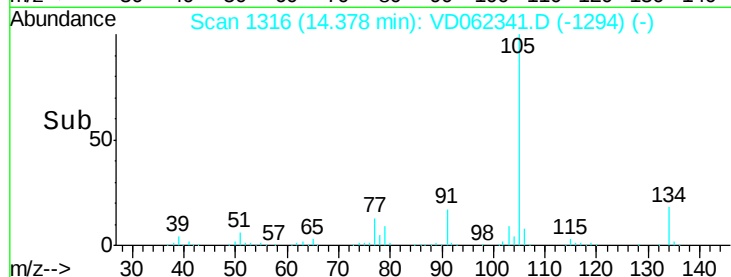
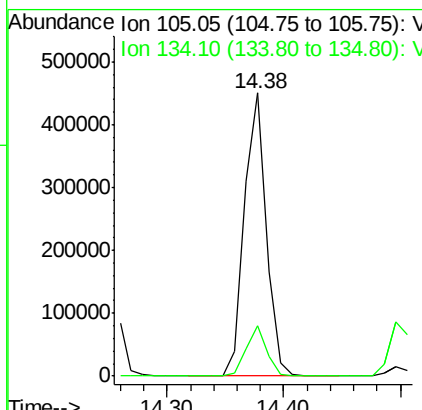
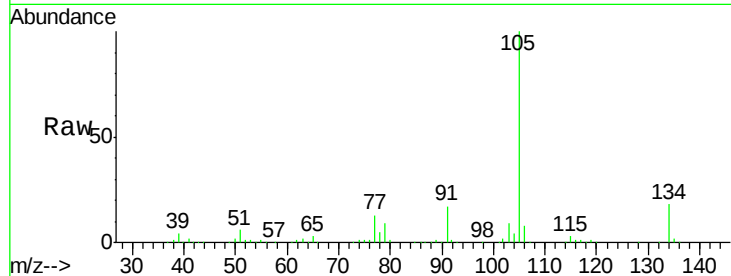




#85
 sec-Butylbenzene
 Concen: 20.382 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

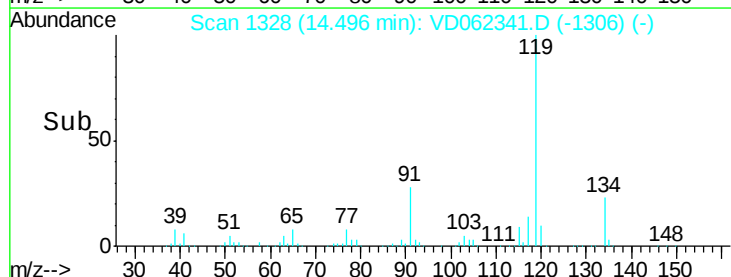
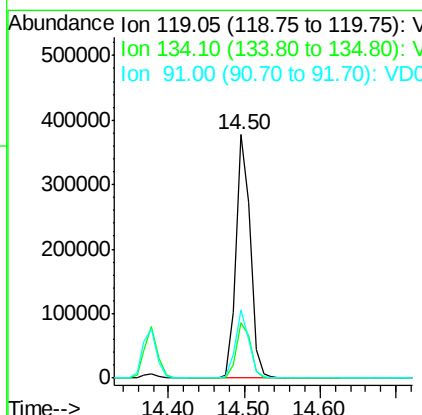
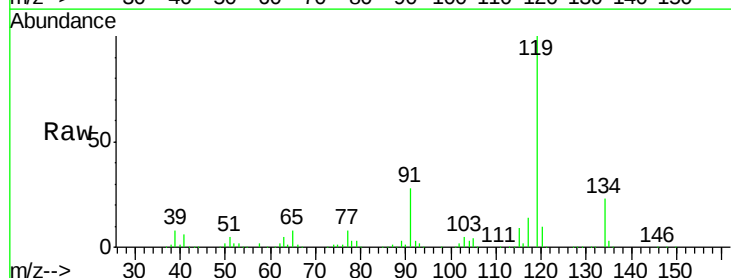
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

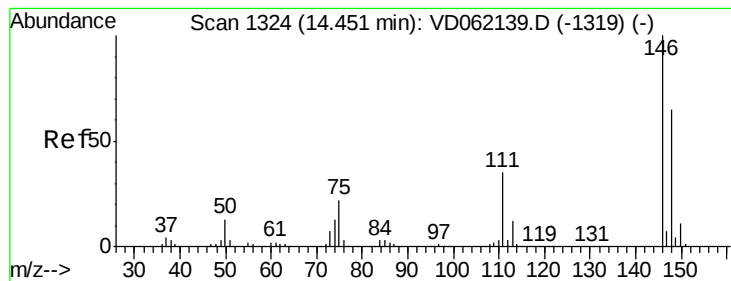
Tot Ion:105 Resp: 584930
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.819 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

Tgt Ion:119 Resp: 482539
 Ion Ratio Lower Upper
 119 100
 134 22.7 12.8 38.3
 91 28.0 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 18.677 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS01

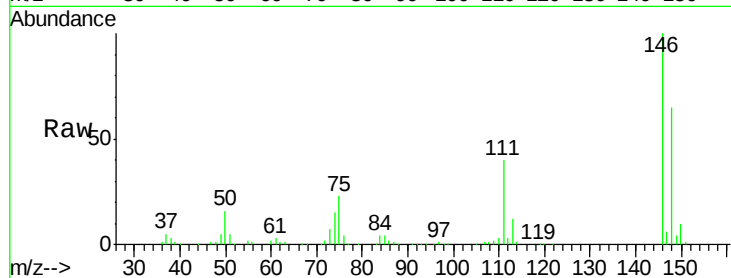
Tot Ion:146 Resp: 264130

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

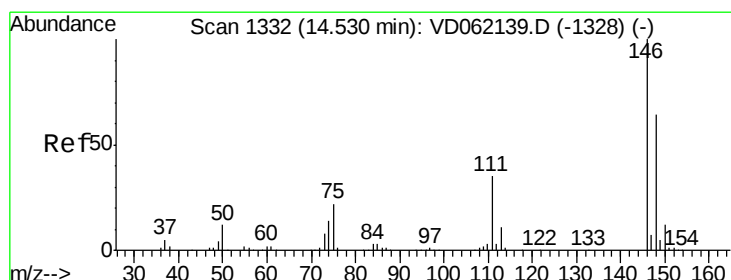
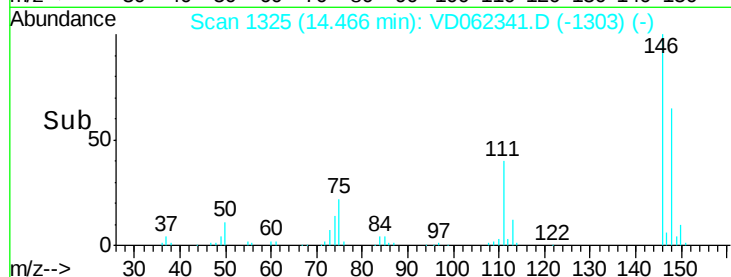
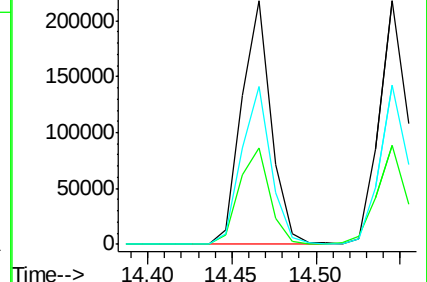
148 64.6 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.362 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.02 min

Lab File: VD062341.D

Acq: 14 May 2019 12:50

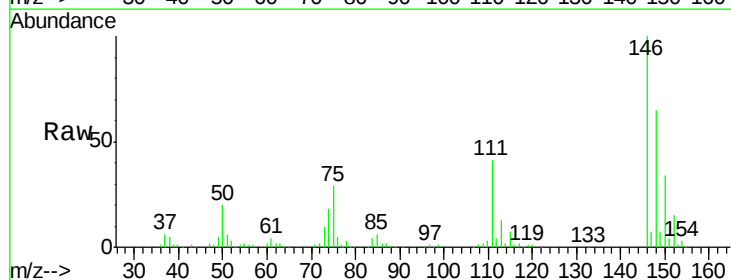
Tgt Ion:146 Resp: 255152

Ion Ratio Lower Upper

146 100

111 40.6 20.2 60.5

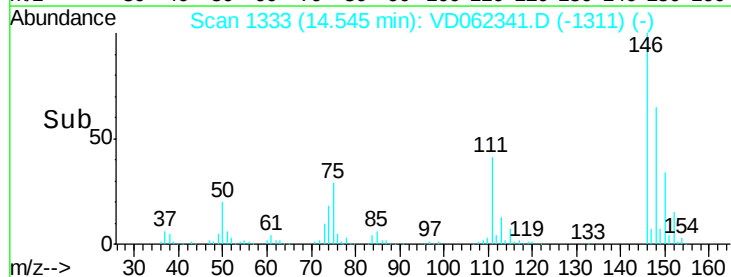
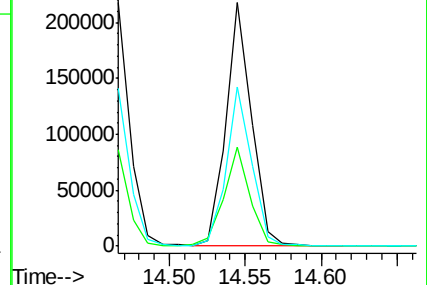
148 65.2 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

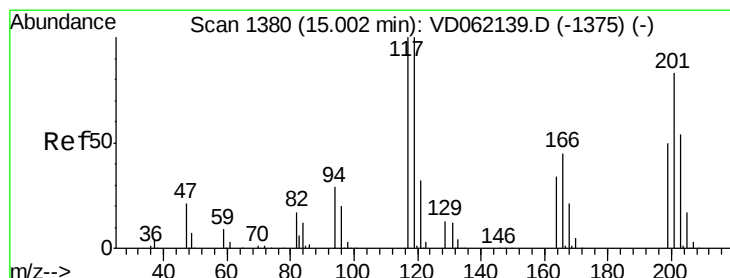
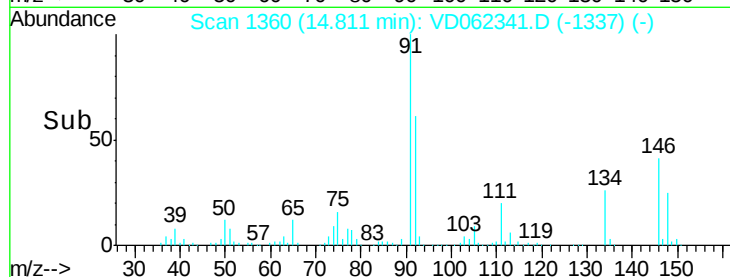
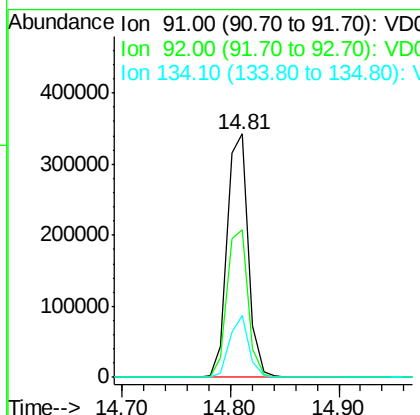
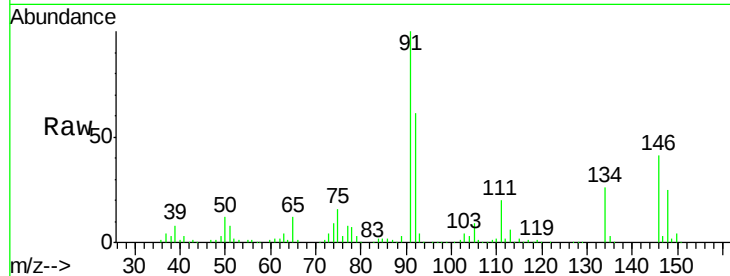




#89
n-Butylbenzene
Concen: 20.300 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

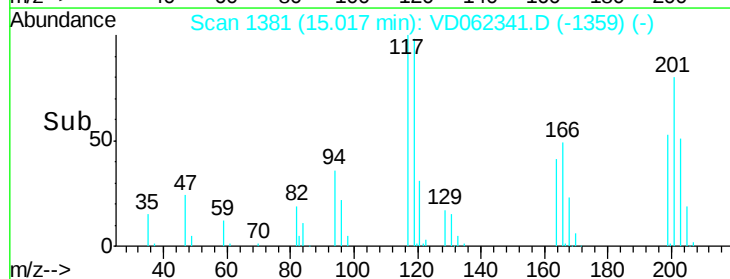
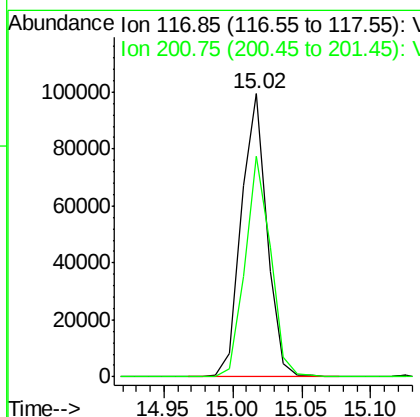
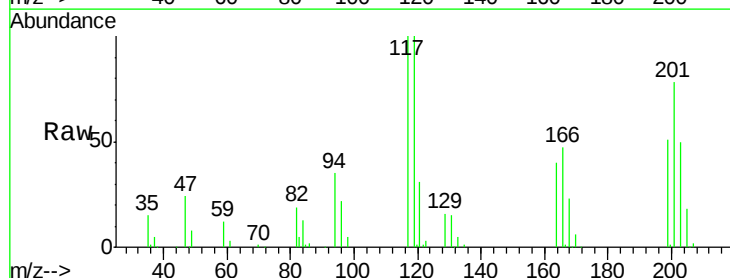
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

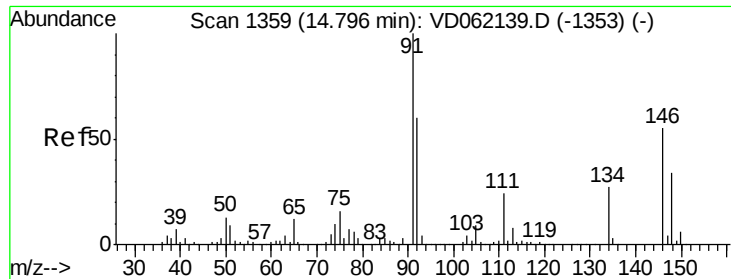
Tot Ion: 91 Resp: 467196
Ion Ratio Lower Upper
91 100
92 60.8 30.3 91.0
134 25.6 14.5 43.6



#90
Hexachloroethane
Concen: 18.501 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion: 117 Resp: 129004
Ion Ratio Lower Upper
117 100
201 78.2 30.2 90.6

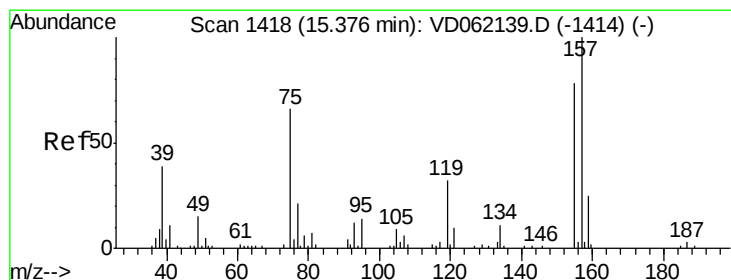
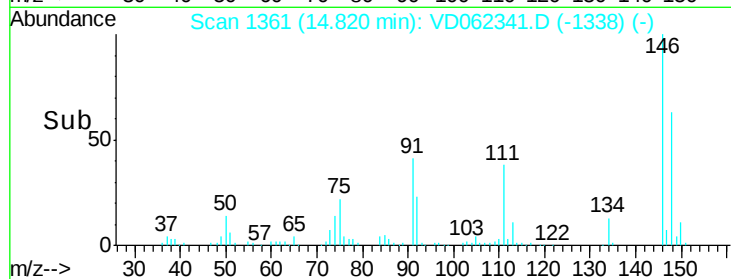
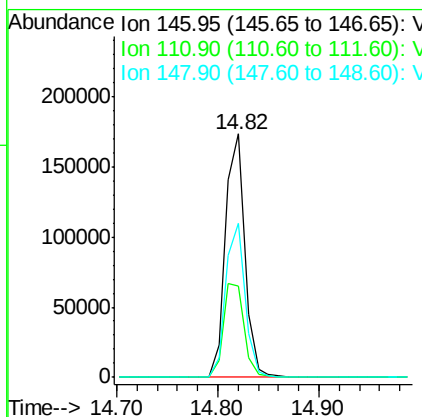
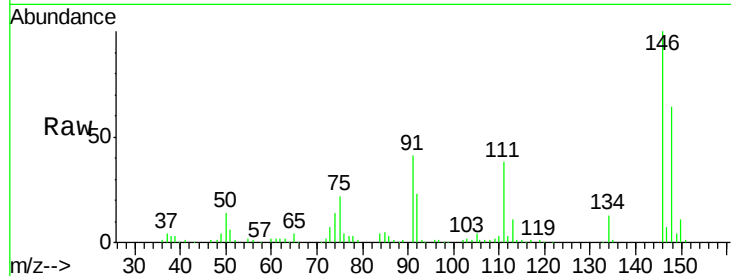




#91
 1,2-Dichlorobenzene
 Concen: 19.928 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

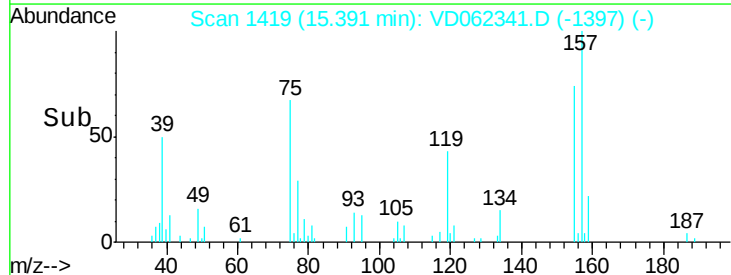
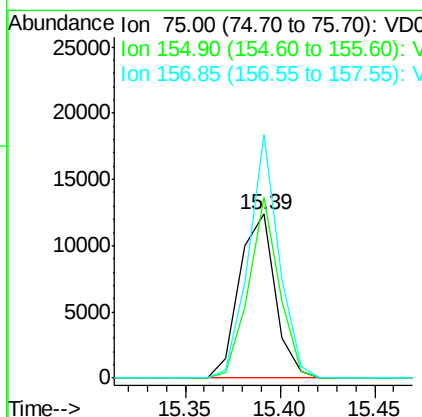
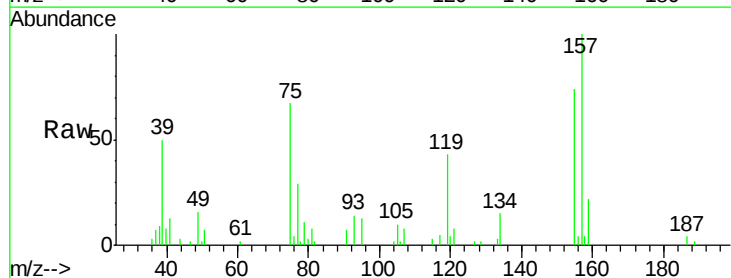
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

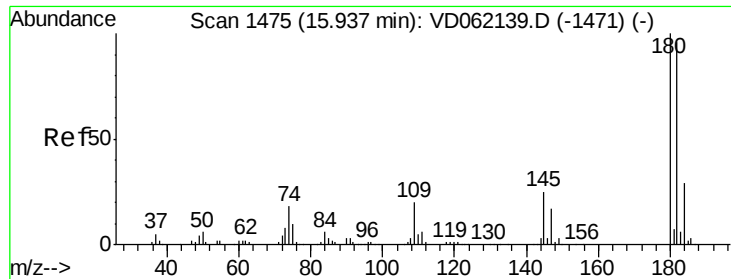
Tot Ion:146 Resp: 232095
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.0 59.9
 148 63.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.827 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

Tgt Ion: 75 Resp: 16180
 Ion Ratio Lower Upper
 75 100
 155 110.4 55.3 165.8
 157 148.5 67.8 203.2

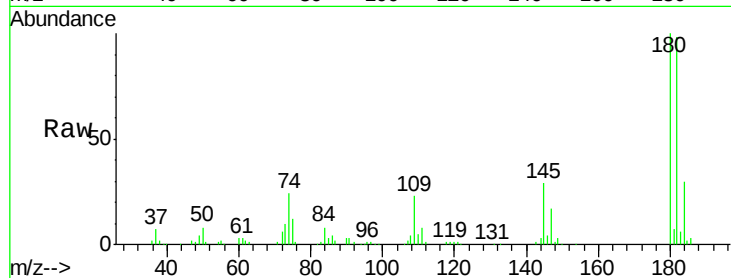




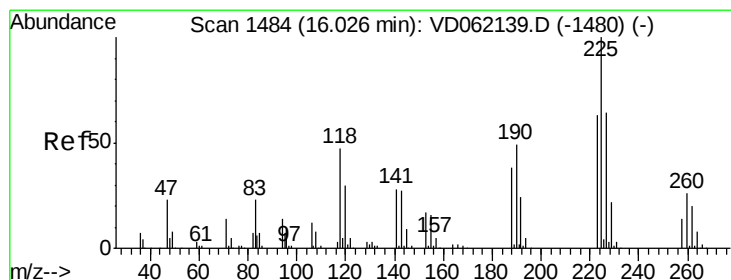
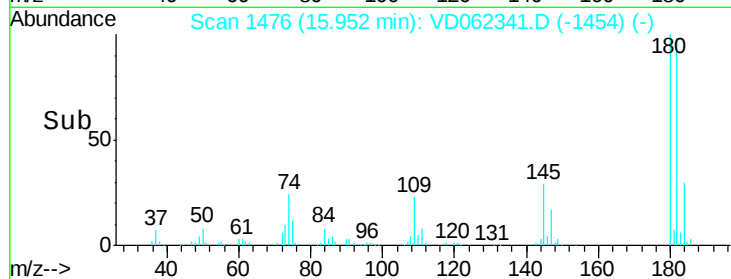
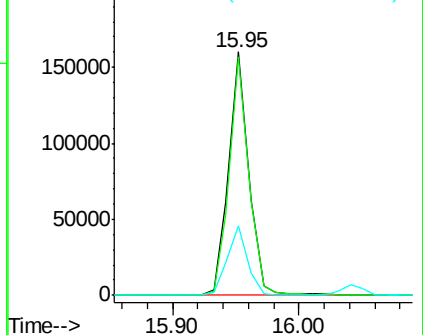
#93
 1,2,4-Trichlorobenzene
 Concen: 20.854 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Tot Ion:180 Resp: 176789
 Ion Ratio Lower Upper
 180 100
 182 98.1 49.3 147.8
 145 28.8 16.2 48.6

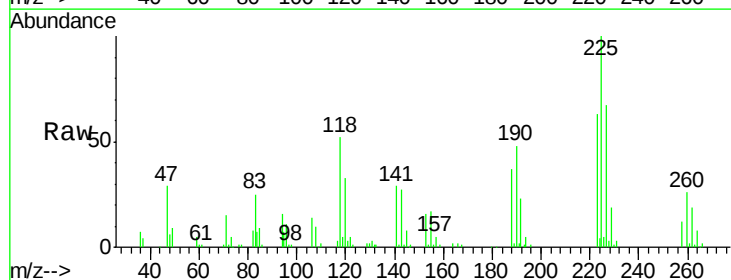


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

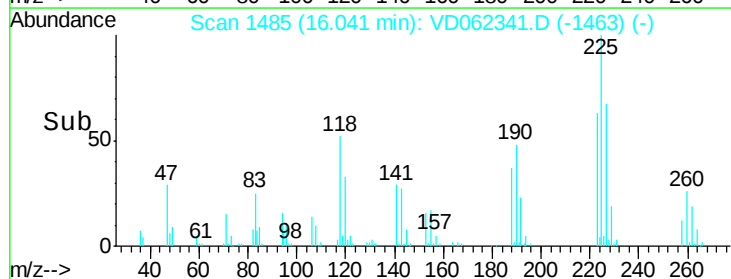
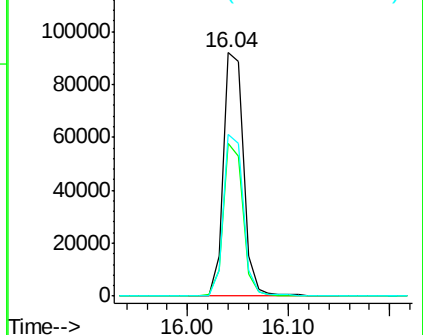


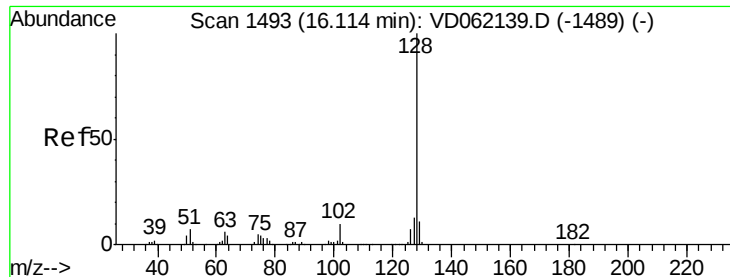
#94
 Hexachlorobutadiene
 Concen: 20.351 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD062341.D
 Acq: 14 May 2019 12:50

Tgt Ion:225 Resp: 128317
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.6 92.0
 227 66.7 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

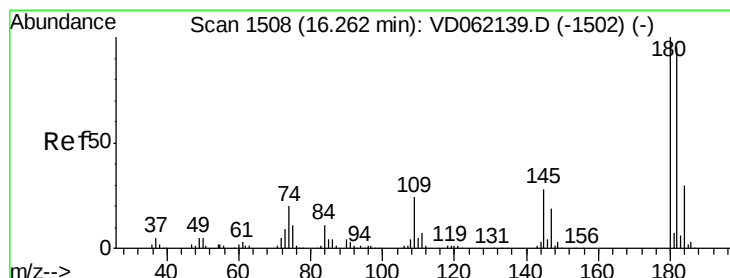
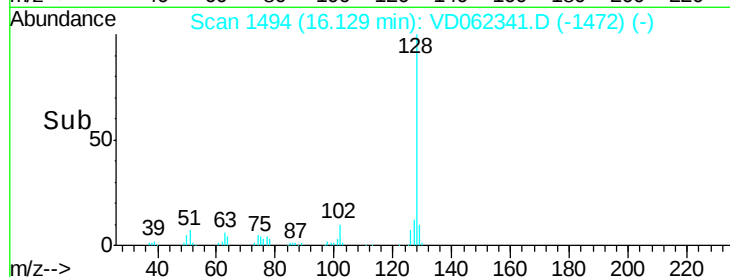
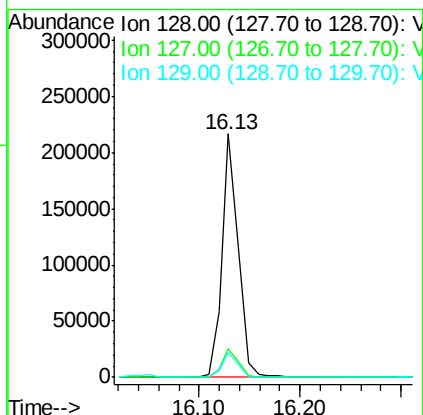
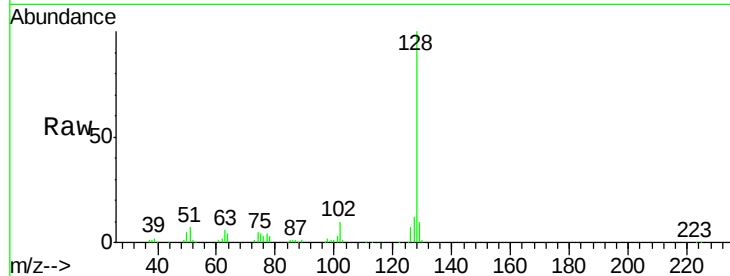




#95
Naphthalene
Concen: 20.662 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Tot Ion:128 Resp: 244542
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 10.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.839 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD062341.D
Acq: 14 May 2019 12:50

Tgt Ion:180 Resp: 127062
Ion Ratio Lower Upper
180 100
182 99.8 47.0 141.0
145 32.2 17.0 51.0

