

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062015.D
 Acq On : 25 Apr 2019 2:36
 Operator : VA/AP
 Sample : VD0424SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

Quant Time: Apr 25 03:38:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	540496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	845841	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	717574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	307157	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	236910	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	
35) Dibromofluoromethane	6.93	113	352065	60.18	ug/l	0.00
Spiked Amount			Recovery	=	120.36%	
50) Toluene-d8	10.41	98	759597	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
62) 4-Bromofluorobenzene	13.56	95	276995	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	82027	16.996	ug/l	100
3) Chloromethane	1.75	50	70260	17.129	ug/l	93
4) Vinyl Chloride	1.85	62	64753	17.417	ug/l	99
5) Bromomethane	2.15	94	19833	17.640	ug/l	97
6) Chloroethane	2.26	64	23444	17.444	ug/l	99
7) Trichlorofluoromethane	2.53	101	104173	18.532	ug/l	97
8) Diethyl Ether	2.87	74	33708	22.373	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	103781	20.041	ug/l	94
10) Methyl Iodide	3.31	142	124299	19.473	ug/l	99
11) Tert butyl alcohol	4.07	59	31594	132.187	ug/l	100
12) 1,1-Dichloroethene	3.13	96	85516	19.411	ug/l	96
13) Acrolein	3.03	56	22130	89.238	ug/l	100
14) Allyl chloride	3.62	41	128208	21.312	ug/l	94
15) Acrylonitrile	4.20	53	93164	125.880	ug/l	98
16) Acetone	3.23	43	83233	82.405	ug/l	97
17) Carbon Disulfide	3.38	76	218797	17.186	ug/l	100
18) Methyl Acetate	3.64	43	50954	26.813	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	211225	24.164	ug/l	93
20) Methylene Chloride	3.82	84	122003	23.096	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	105800	20.934	ug/l	97
22) Diisopropyl ether	5.12	45	299019	21.289	ug/l	94
23) Vinyl Acetate	5.06	43	849544	116.147	ug/l	98
24) 1,1-Dichloroethane	4.99	63	173033	20.383	ug/l	98
25) 2-Butanone	6.07	43	135671	110.787	ug/l	99
26) 2,2-Dichloropropane	6.02	77	135796	18.336	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	121980	21.216	ug/l	95
28) Bromochloromethane	6.44	49	72799	22.412	ug/l	94
29) Tetrahydrofuran	6.46	42	70825	117.377	ug/l	99
30) Chloroform	6.66	83	203320	21.086	ug/l	97
31) Cyclohexane	6.96	56	123545	19.607	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	173589	20.691	ug/l	99
36) 1,1-Dichloropropene	7.15	75	147301	22.352	ug/l	98
37) Ethyl Acetate	6.18	43	67377	23.993	ug/l	96
38) Carbon Tetrachloride	7.12	117	189499	22.693	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	137616	21.166	ug/l	94
40) Benzene	7.45	78	331485	20.318	ug/l	94
41) Methacrylonitrile	6.45	41	79897	24.384	ug/l	95
42) 1,2-Dichloroethane	7.58	62	133130	24.033	ug/l	97
43) Isopropyl Acetate	9.24	43	88708	21.619	ug/l	99
44) Trichloroethene	8.54	130	132372	20.928	ug/l	98
45) 1,2-Dichloropropane	8.94	63	89236	21.561	ug/l	97
46) Dibromomethane	9.07	93	71782	24.103	ug/l	94
47) Bromodichloromethane	9.38	83	161700	22.979	ug/l	99
48) Methyl methacrylate	9.13	41	58147	24.837	ug/l	96
49) 1,4-Dioxane	9.09	88	12900	511.092	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	319068	127.151	ug/l	95
52) Toluene	10.51	92	227349	21.855	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	129030	21.845	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	153037	21.303	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	76295	21.846	ug/l #	92
56) Ethyl methacrylate	11.04	69	88090	22.775	ug/l	95
57) 1,3-Dichloropropane	11.41	76	118047	21.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	218394	121.445	ug/l	95
59) 2-Hexanone	11.54	43	221974	117.922	ug/l	99
60) Dibromochloromethane	11.68	129	132459	22.923	ug/l	99
61) 1,2-Dibromoethane	11.80	107	92466	22.320	ug/l	98
64) Tetrachloroethene	11.26	164	107575	21.015	ug/l	97
65) Chlorobenzene	12.40	112	288699	21.291	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	122026	21.216	ug/l	97
67) Ethyl Benzene	12.52	91	442293	19.985	ug/l	98
68) m/p-Xylenes	12.67	106	322792	40.354	ug/l	99
69) o-Xylene	13.05	106	163978	22.405	ug/l	99
70) Styrene	13.07	104	277530	21.961	ug/l	99
71) Bromoform	13.24	173	74625	22.758	ug/l #	96
73) Isopropylbenzene	13.41	105	424222	20.704	ug/l	98
74) N-amyl acetate	13.27	43	125295	23.745	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	91702	22.839	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	96593	24.765	ug/l	100
77) Bromobenzene	13.67	156	130910	22.272	ug/l	99
78) n-propylbenzene	13.77	91	585396	24.958	ug/l	99
79) 2-Chlorotoluene	13.84	91	306251	21.556	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	387236	23.702	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	27906	23.609	ug/l	95
82) 4-Chlorotoluene	13.95	91	349970	22.368	ug/l	93
83) tert-Butylbenzene	14.19	119	380960	20.129	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	371539	23.817	ug/l	97
85) sec-Butylbenzene	14.37	105	482966	23.617	ug/l	99
86) p-Isopropyltoluene	14.49	119	378152	20.662	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	230647	22.408	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	195183	20.277	ug/l	97
89) n-Butylbenzene	14.80	91	344835	20.987	ug/l	94
90) Hexachloroethane	15.01	117	108913	22.007	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	189192	22.282	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13612	24.373	ug/l	95

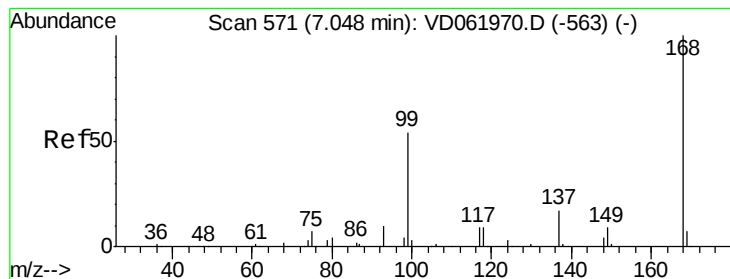
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	98499	21.501	ug/l	95
94) Hexachlorobutadiene	16.04	225	71628	21.128	ug/l	95
95) Naphthalene	16.12	128	187526	25.352	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	68795	26.467	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

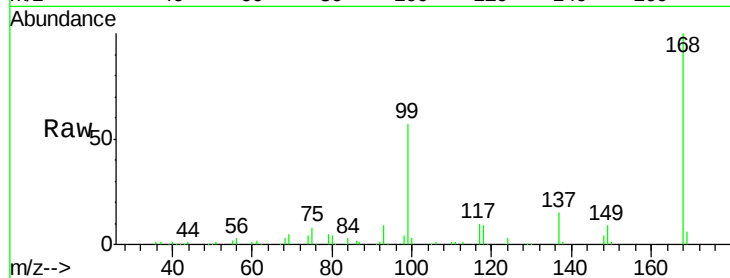
VD0424SBS02

Tot Ion:168 Resp: 540496

Ion Ratio Lower Upper

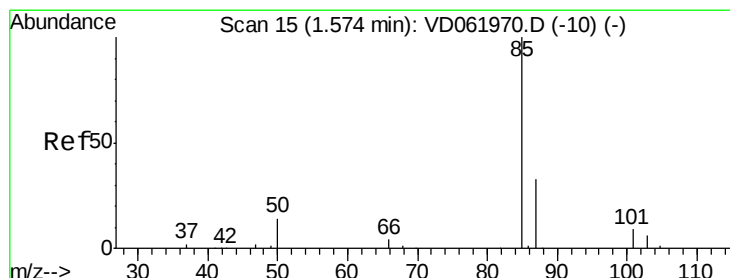
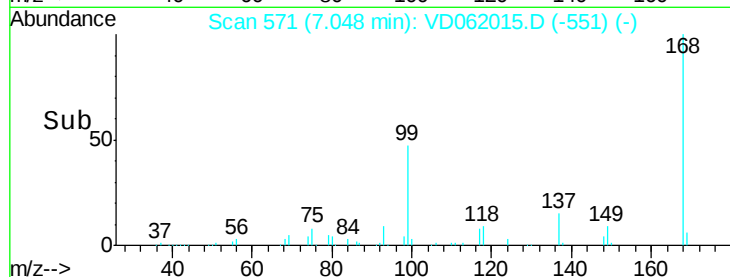
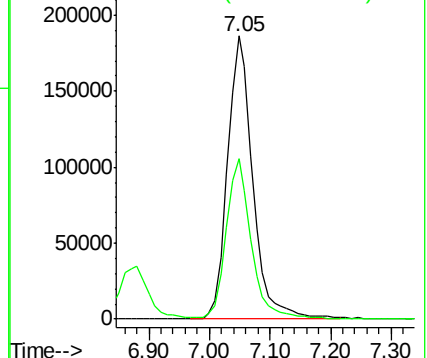
168 100

99 56.7 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: 16.996 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062015.D

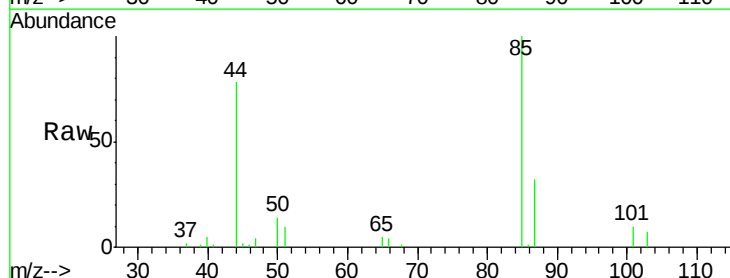
Acq: 25 Apr 2019 2:36

Tgt Ion: 85 Resp: 82027

Ion Ratio Lower Upper

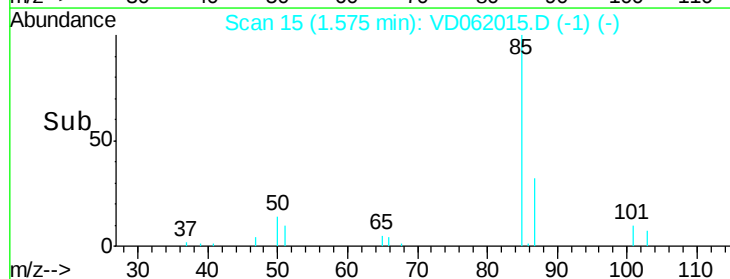
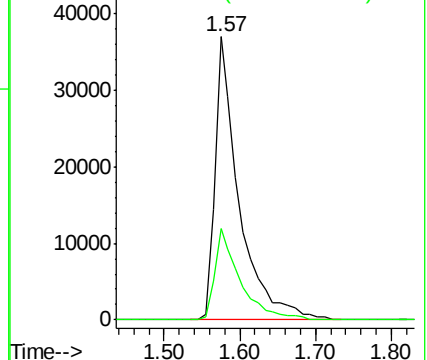
85 100

87 32.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

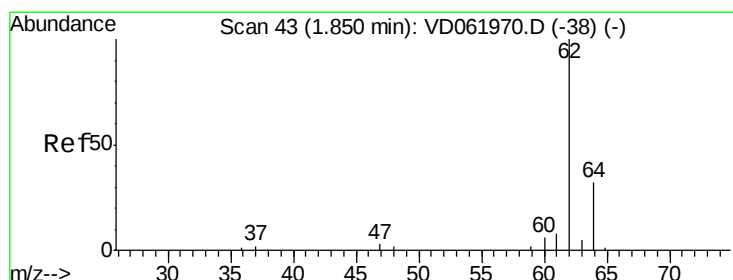
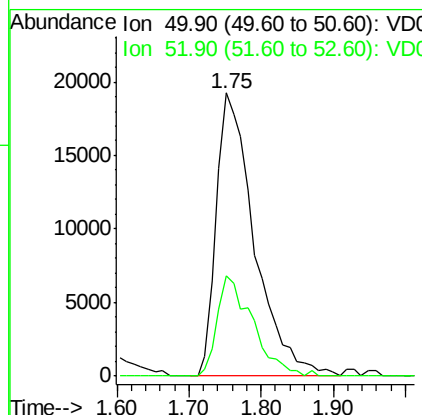
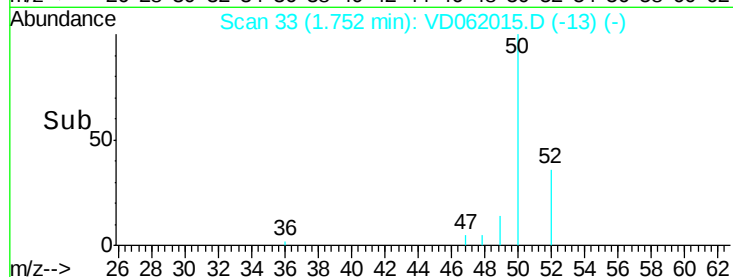
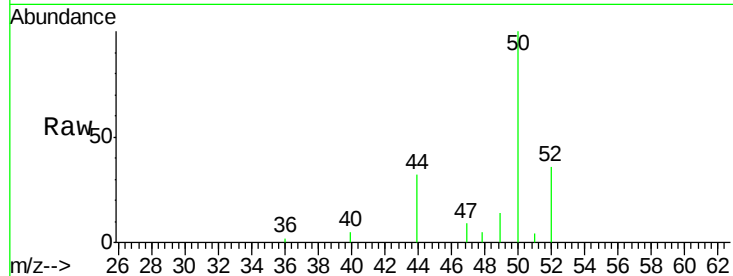




#3
 Chloromethane
 Concen: 17.129 ug/l
 RT: 1.75 min Scan# 33
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

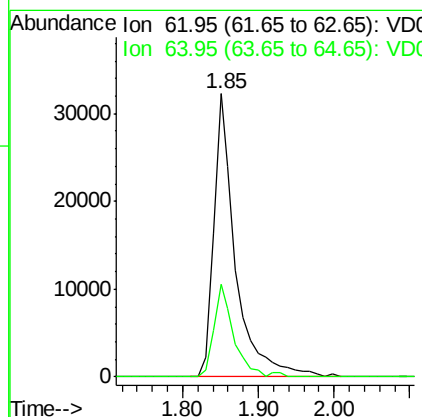
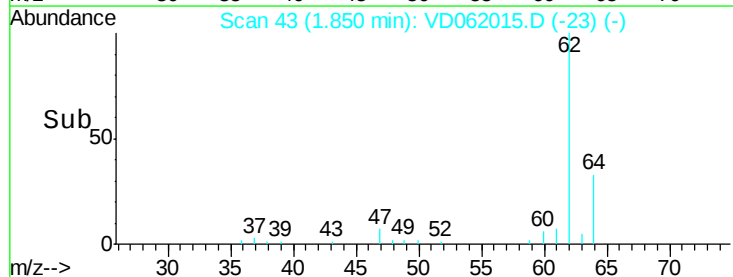
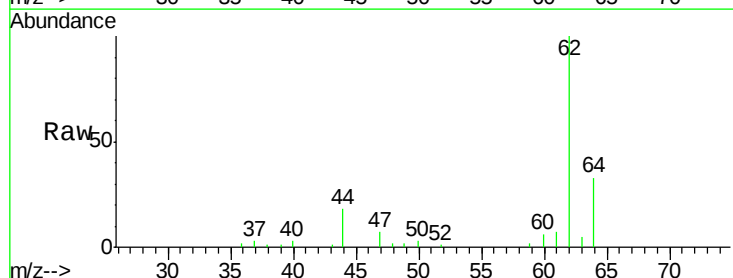
Instrument :
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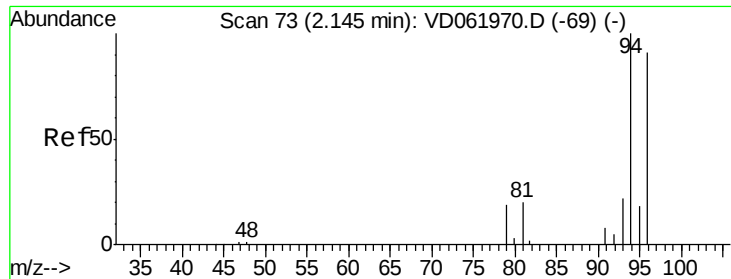
Tot Ion: 50 Resp: 70260
 Ion Ratio Lower Upper
 50 100
 52 35.6 25.2 37.8



#4
 Vinyl Chloride
 Concen: 17.417 ug/l
 RT: 1.85 min Scan# 43
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 62 Resp: 64753
 Ion Ratio Lower Upper
 62 100
 64 32.7 26.5 39.7

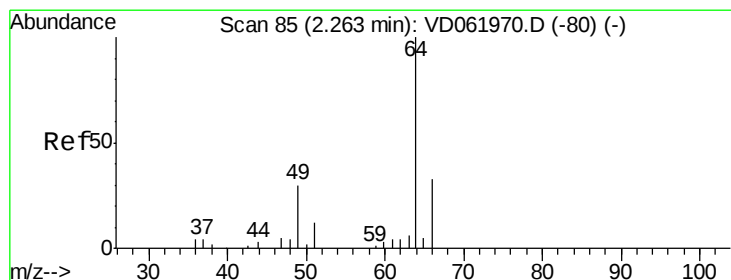
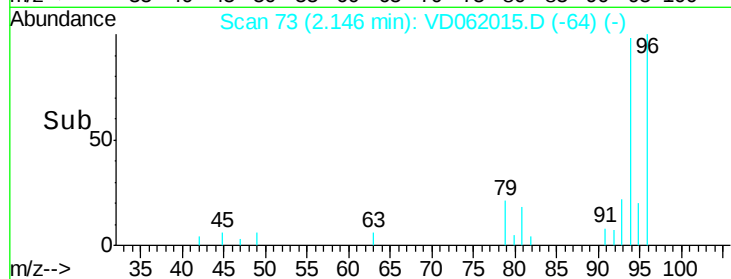
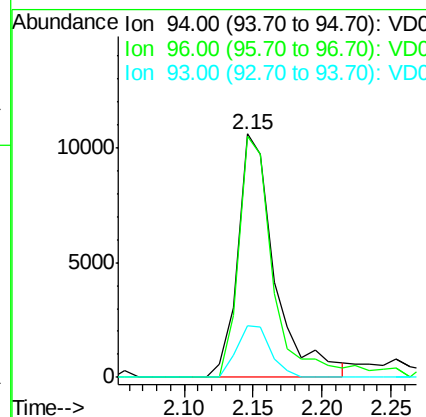
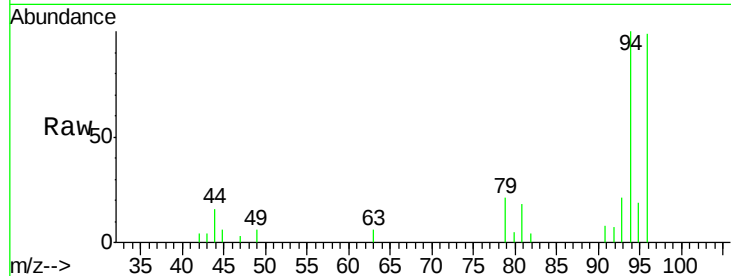




#5
Bromomethane
Concen: 17.640 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

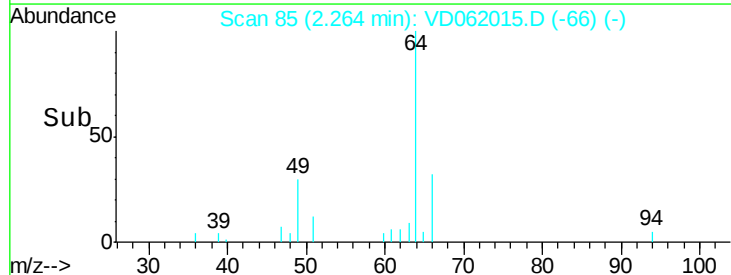
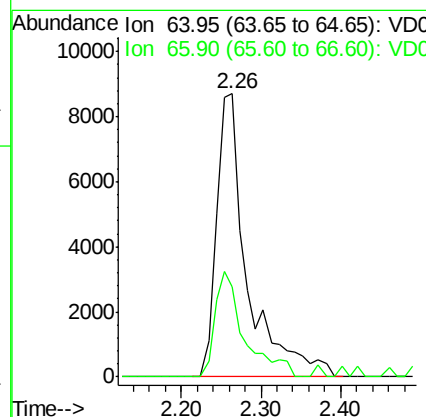
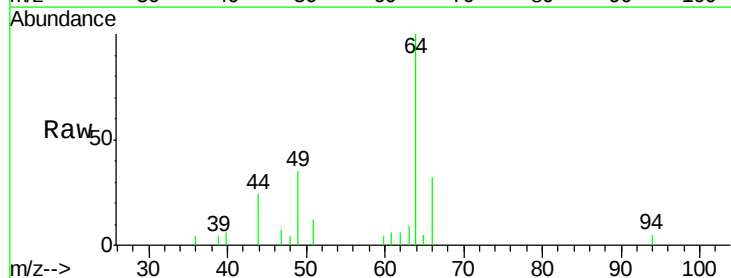
Instrument :
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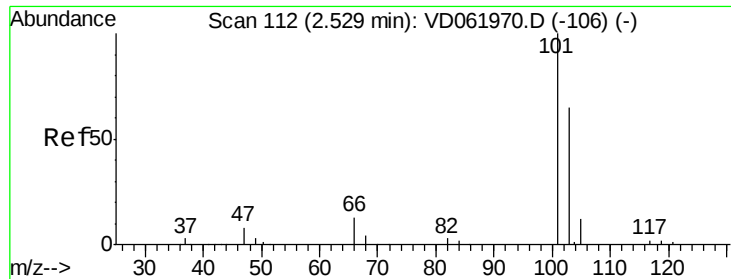
Tot Ion: 94 Resp: 19833
Ion Ratio Lower Upper
94 100
96 98.8 76.6 115.0
93 21.4 18.5 27.7



#6
Chloroethane
Concen: 17.444 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 64 Resp: 23444
Ion Ratio Lower Upper
64 100
66 31.7 25.6 38.4



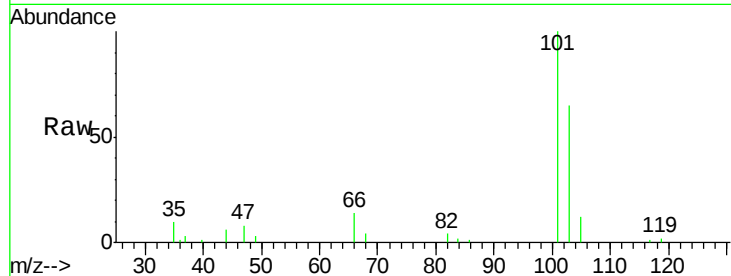


#7

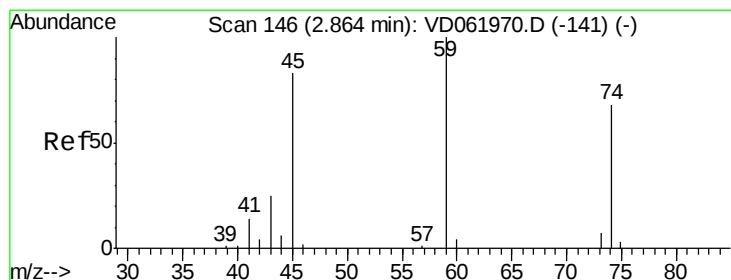
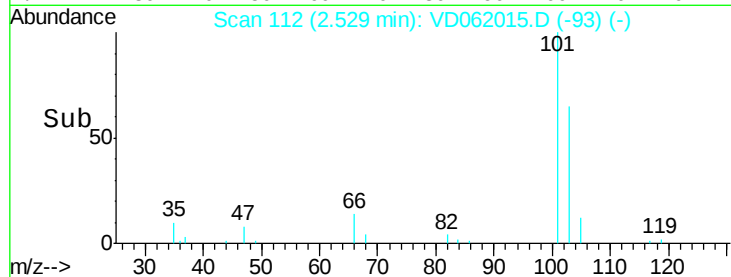
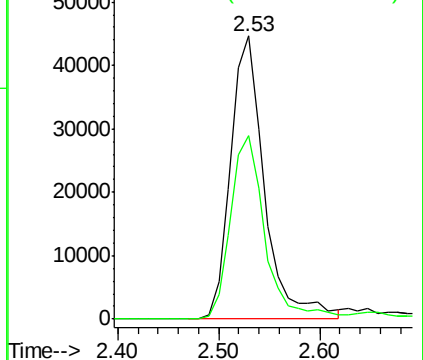
Trichlorofluoromethane
 Concen: 18.532 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Instrument :
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 ClientSampleId :
 VD0424SBS02

Tot Ion:101 Resp: 104173
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.6 80.4



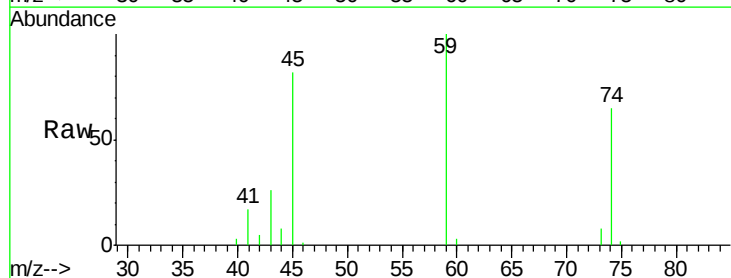
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



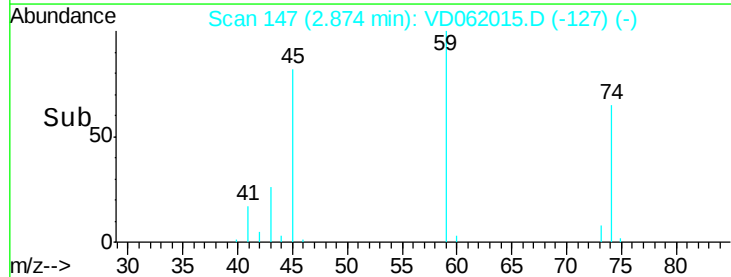
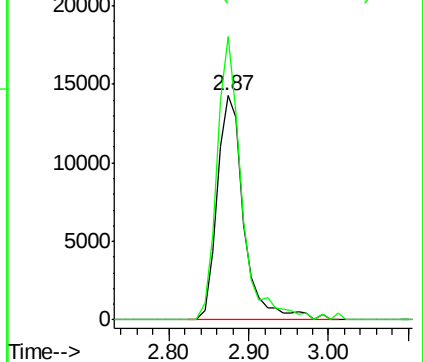
#8

Diethyl Ether
 Concen: 22.373 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 74 Resp: 33708
 Ion Ratio Lower Upper
 74 100
 45 126.1 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: 20.041 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

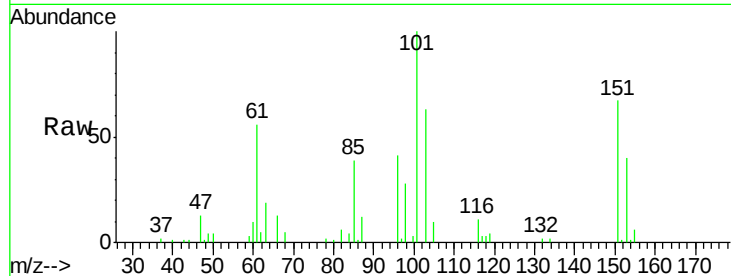
Tot Ion:101 Resp: 103781

Ion Ratio Lower Upper

101 100

85 39.0 32.4 48.6

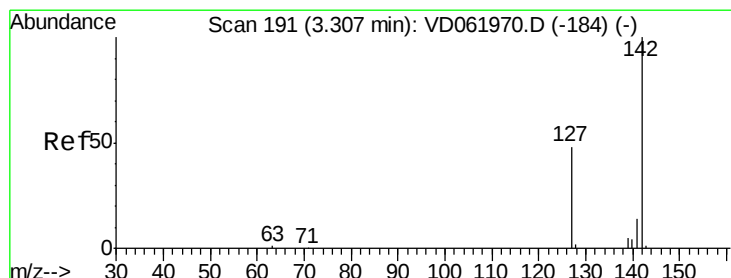
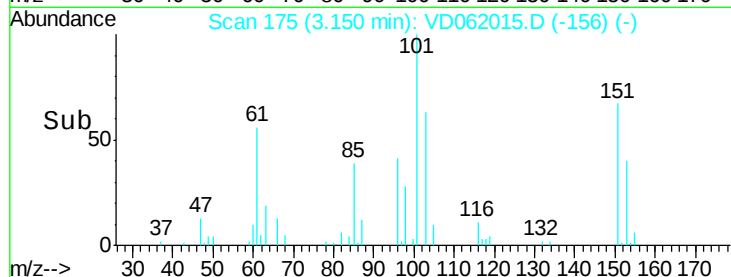
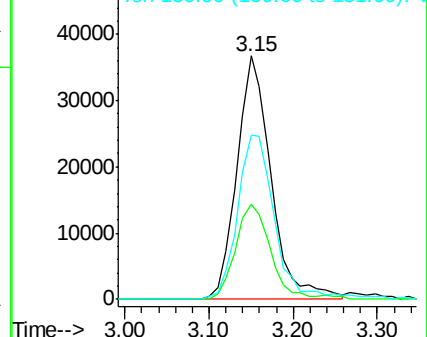
151 67.5 59.4 89.0



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: 19.473 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

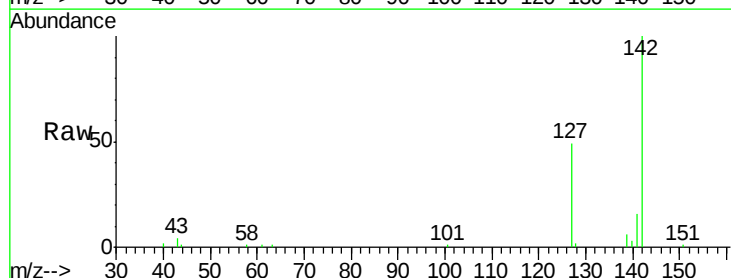
Tgt Ion:142 Resp: 124299

Ion Ratio Lower Upper

142 100

127 49.0 38.8 58.2

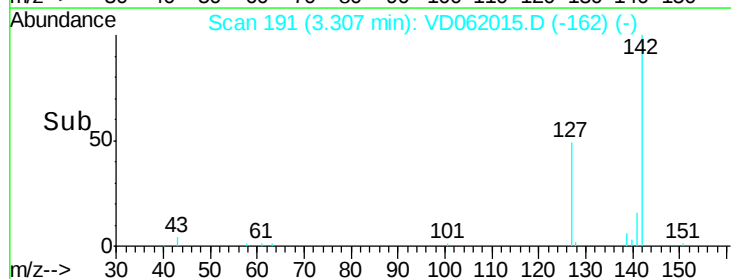
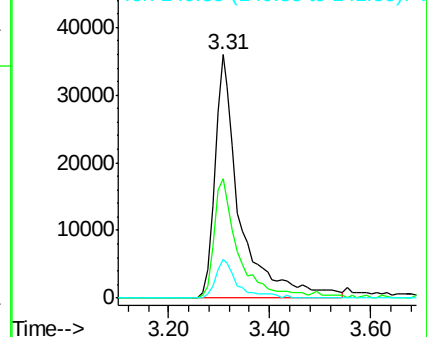
141 15.9 11.4 17.0

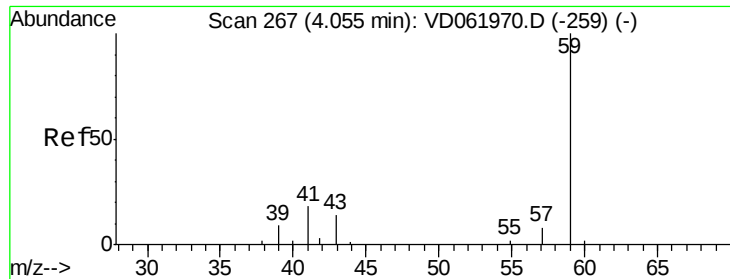


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

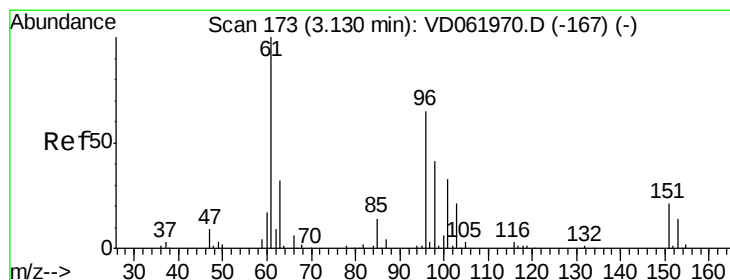
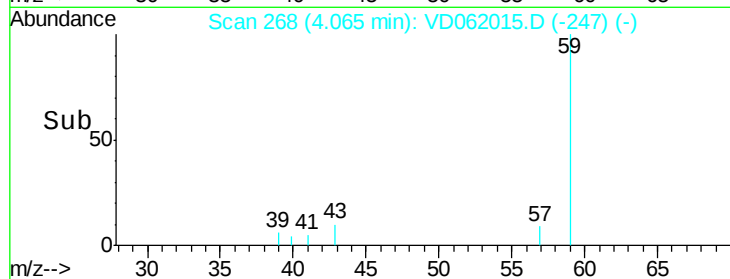
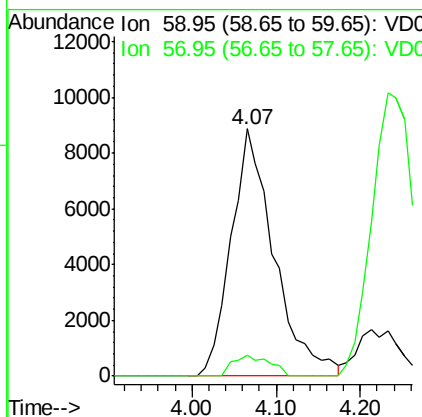
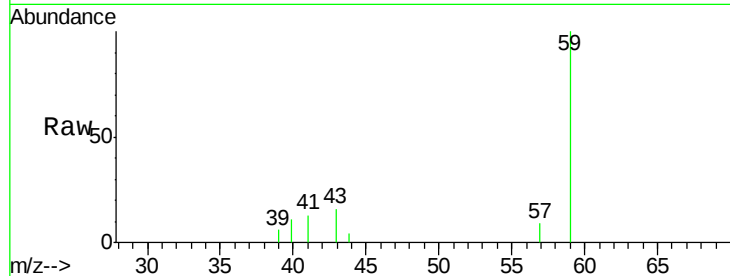




#11
Tert butyl alcohol
Concen: 132.187 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

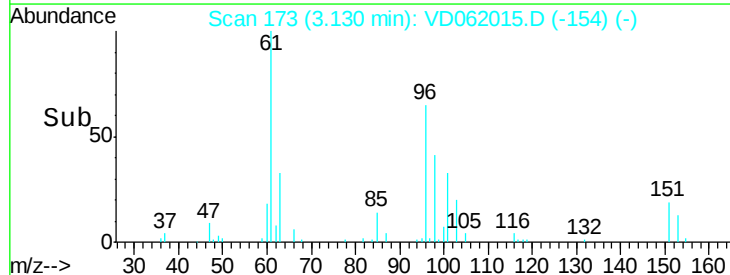
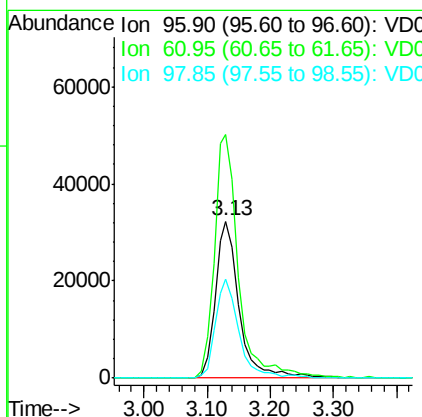
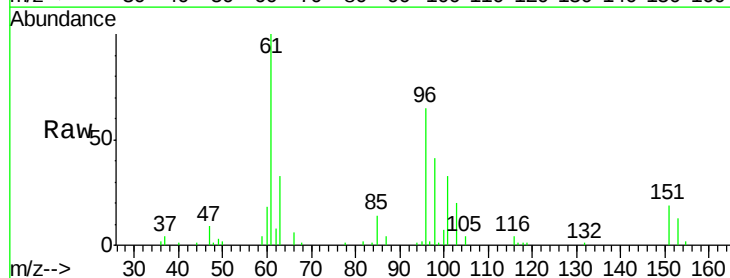
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

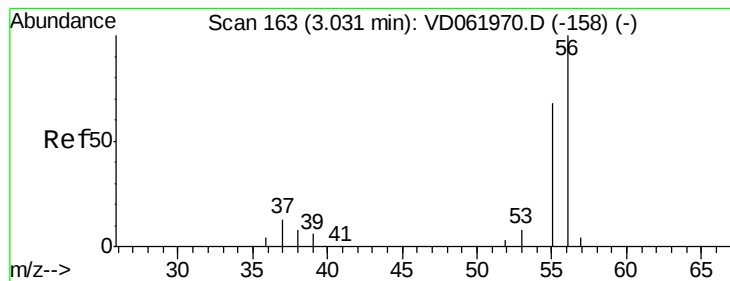
Tot Ion: 59 Resp: 31594
Ion Ratio Lower Upper
59 100
57 8.6 6.9 10.3



#12
1,1-Dichloroethene
Concen: 19.411 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 96 Resp: 85516
Ion Ratio Lower Upper
96 100
61 155.0 129.8 194.8
98 63.0 51.2 76.8





#13

Acrolein

Concen: 89.238 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

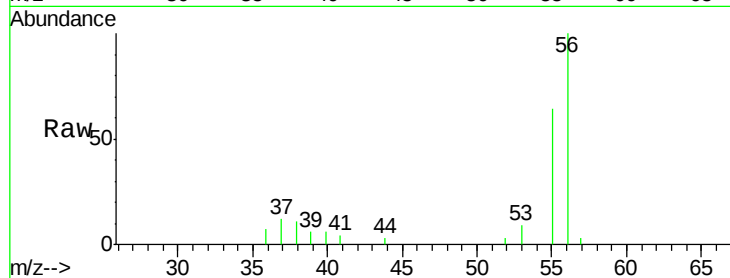
VD0424SBS02

Tot Ion: 56 Resp: 22130

Ion Ratio Lower Upper

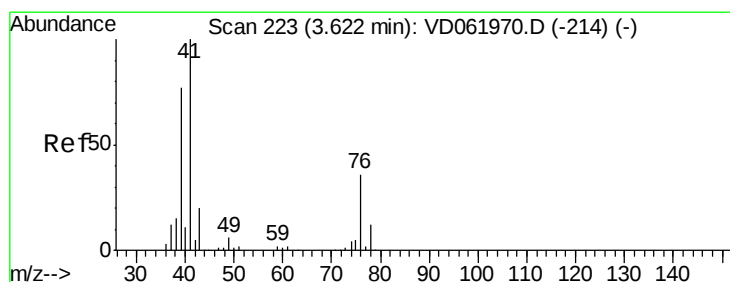
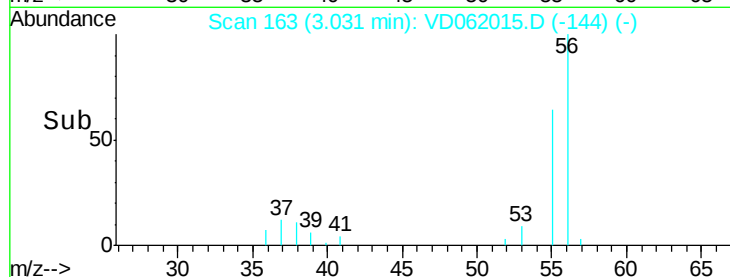
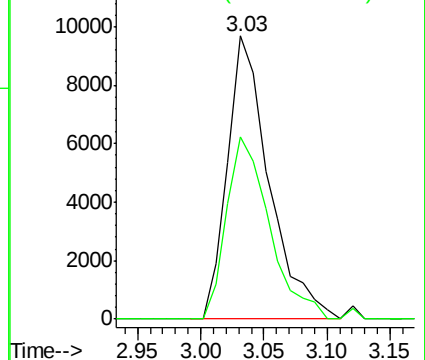
56 100

55 64.3 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: 21.312 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

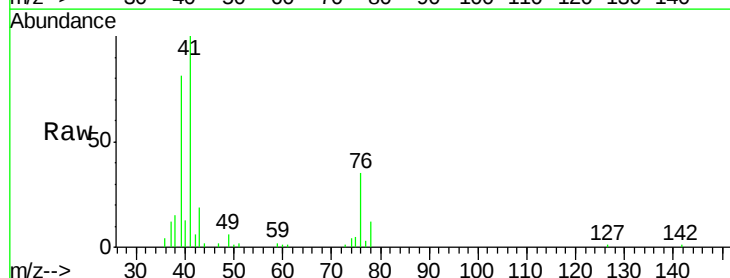
Tgt Ion: 41 Resp: 128208

Ion Ratio Lower Upper

41 100

39 80.6 60.5 90.7

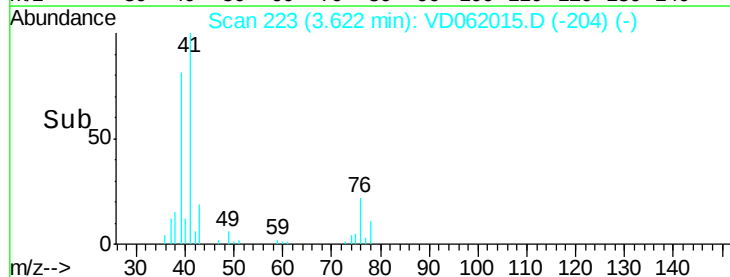
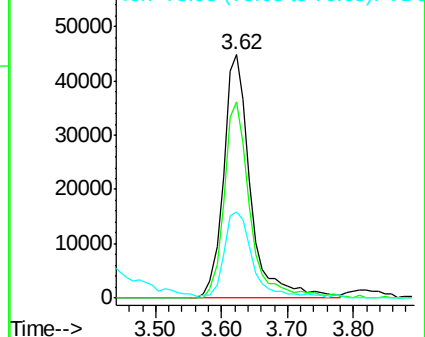
76 35.4 31.8 47.8

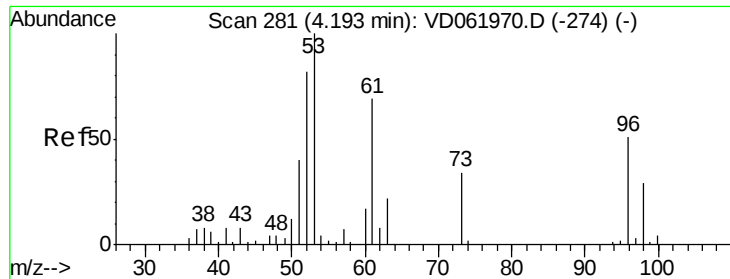


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

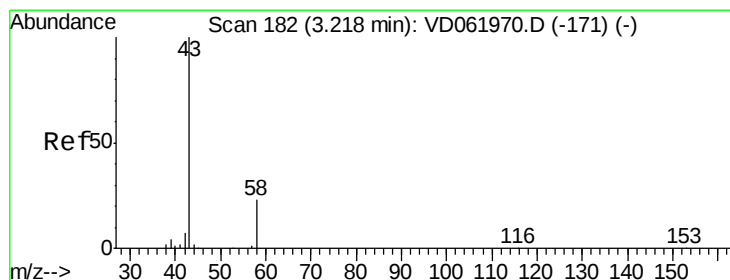
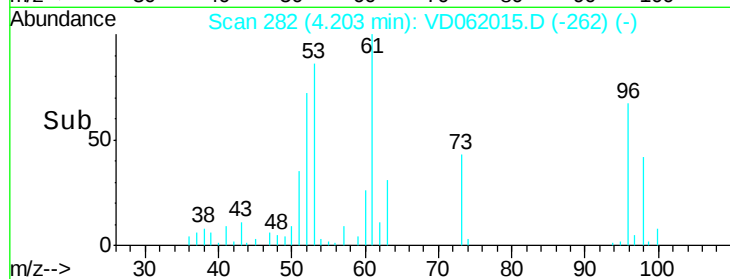
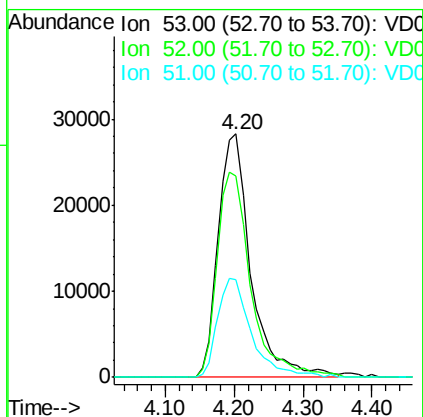
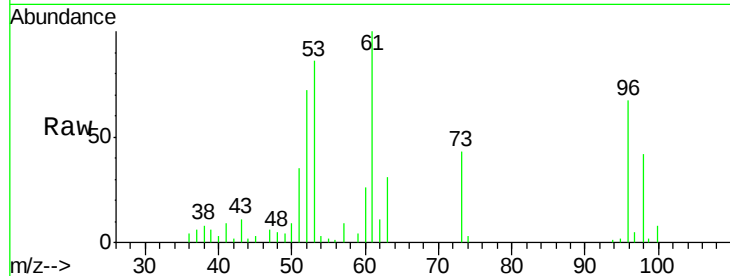




#15
 Acrylonitrile
 Concen: 125.880 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

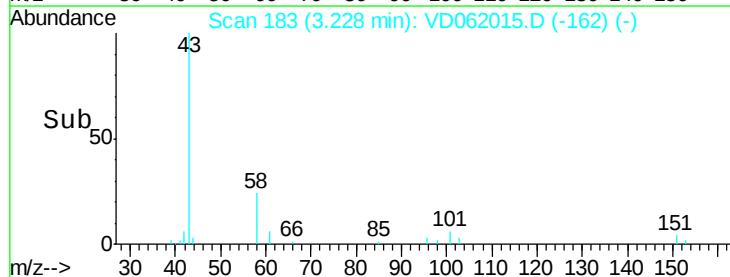
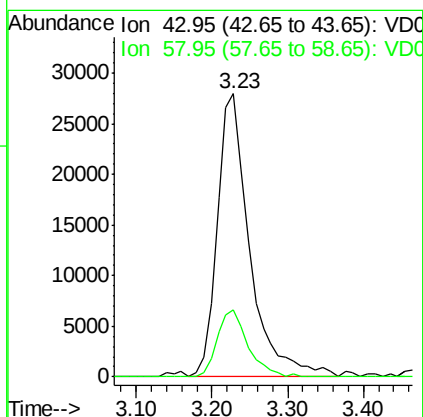
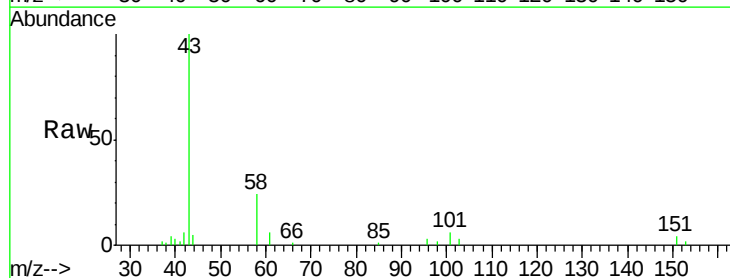
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

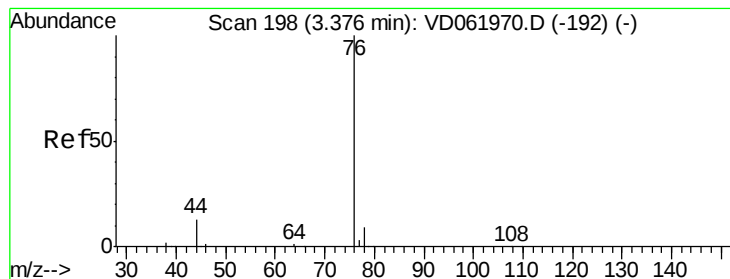
Tot Ion: 53 Resp: 93164
 Ion Ratio Lower Upper
 53 100
 52 82.8 65.0 97.4
 51 40.1 32.6 48.8



#16
 Acetone
 Concen: 82.405 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 43 Resp: 83233
 Ion Ratio Lower Upper
 43 100
 58 23.6 19.9 29.9





#17

Carbon Disulfide

Concen: 17.186 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

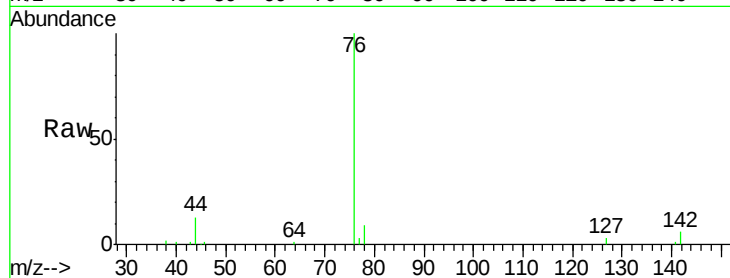
VD0424SBS02

Tot Ion: 76 Resp: 218797

Ion Ratio Lower Upper

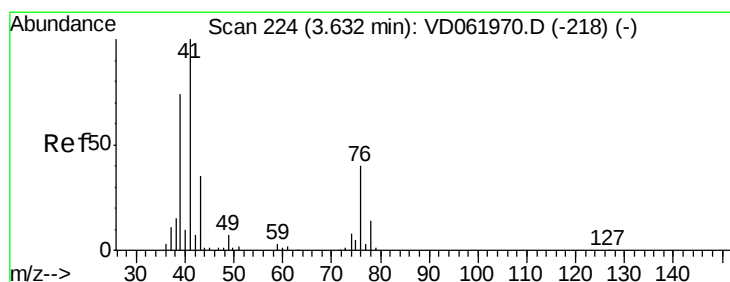
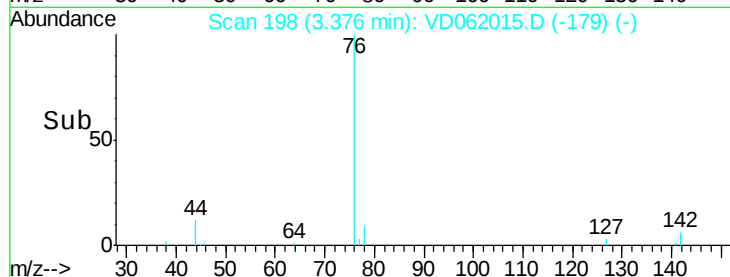
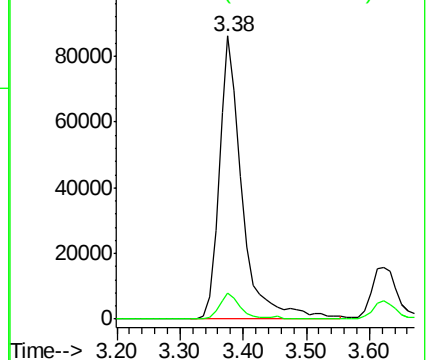
76 100

78 9.1 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 26.813 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062015.D

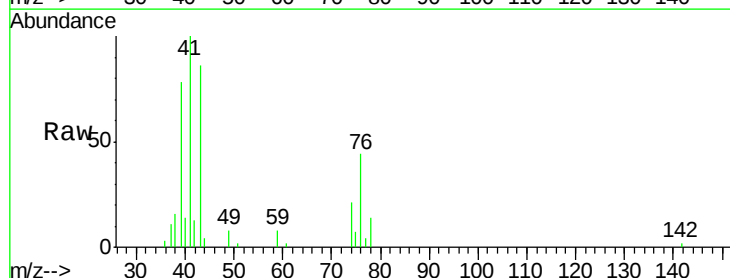
Acq: 25 Apr 2019 2:36

Tgt Ion: 43 Resp: 50954

Ion Ratio Lower Upper

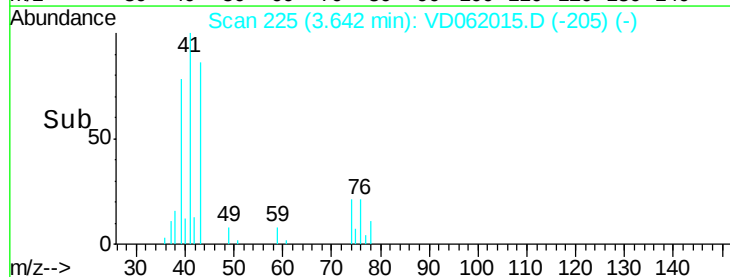
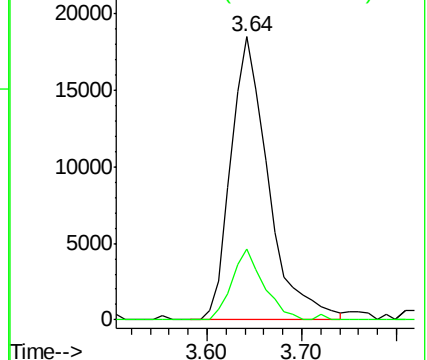
43 100

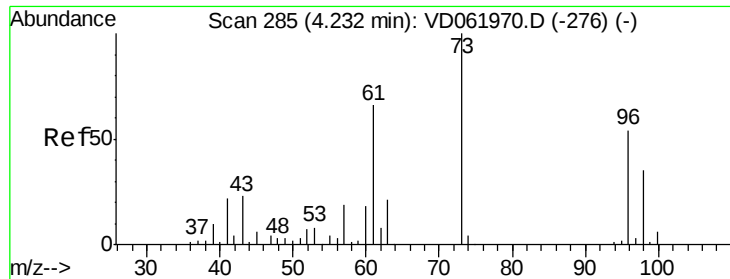
74 24.9 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

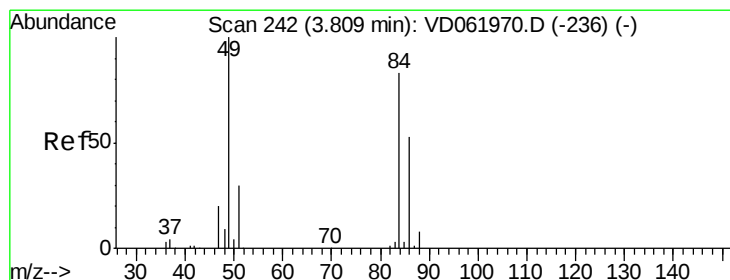
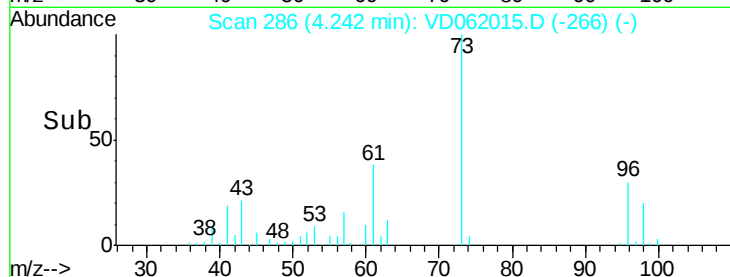
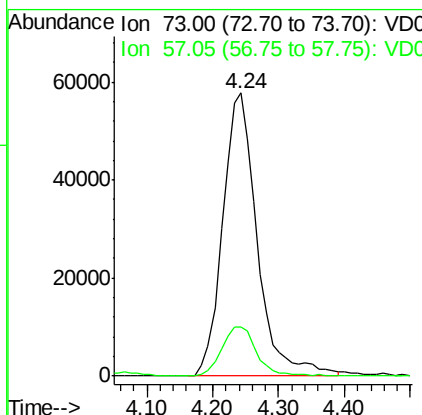
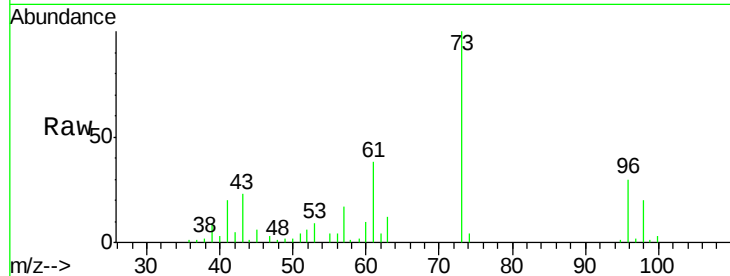




#19
Methyl tert-butyl Ether
Concen: 24.164 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

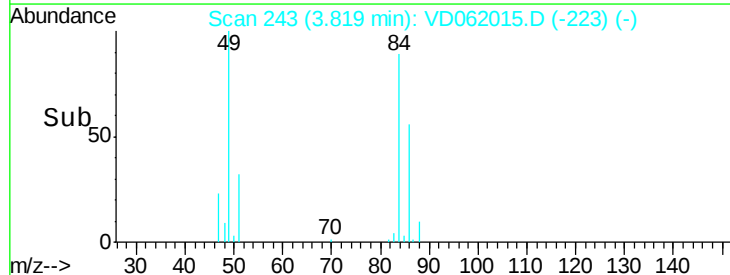
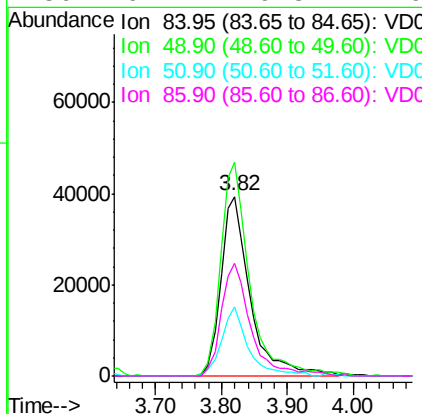
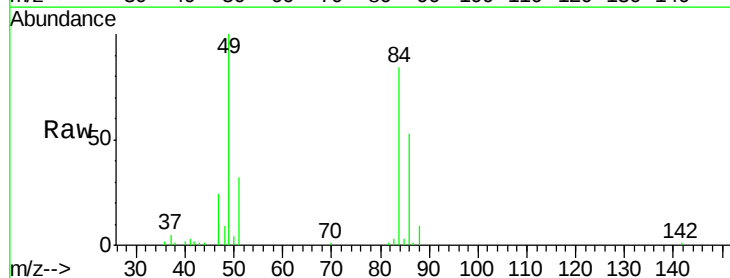
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

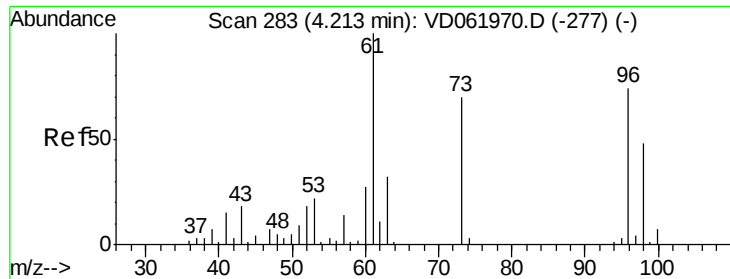
Tot Ion: 73 Resp: 211225
Ion Ratio Lower Upper
73 100
57 17.3 16.3 24.5



#20
Methylene Chloride
Concen: 23.096 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 84 Resp: 122003
Ion Ratio Lower Upper
84 100
49 118.8 94.0 141.0
51 38.5 29.0 43.4
86 62.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.934 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

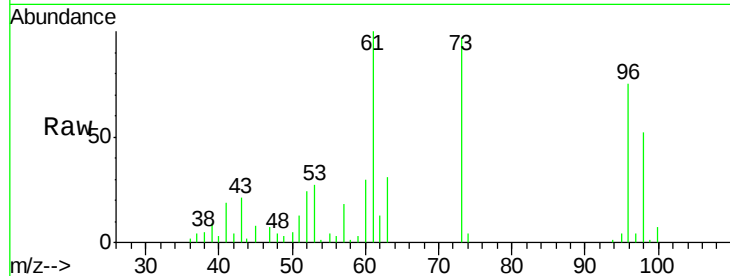
Tot Ion: 96 Resp: 105800

Ion Ratio Lower Upper

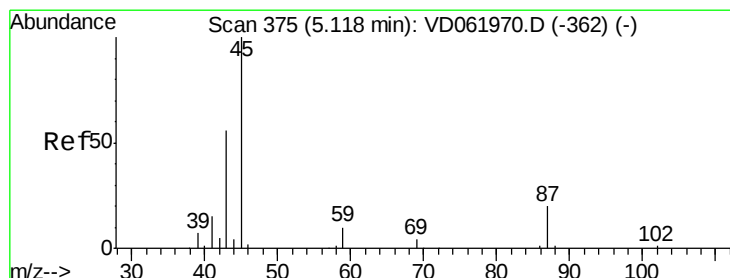
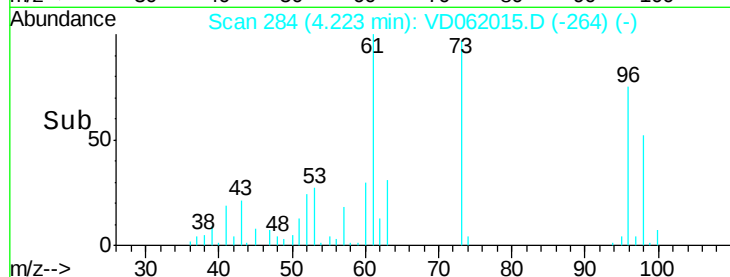
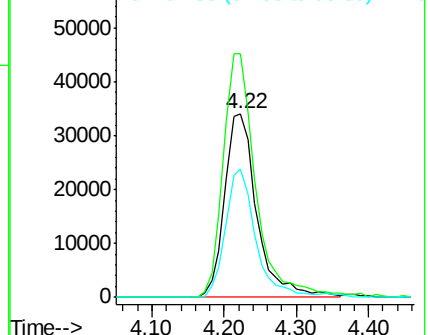
96 100

61 132.5 104.4 156.6

98 69.6 51.8 77.8



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



#22

Diisopropyl ether

Concen: 21.289 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Tgt Ion: 45 Resp: 299019

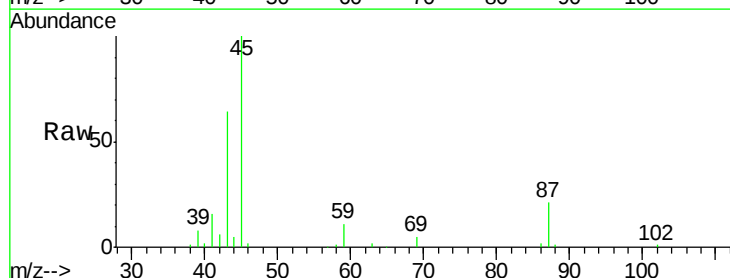
Ion Ratio Lower Upper

45 100

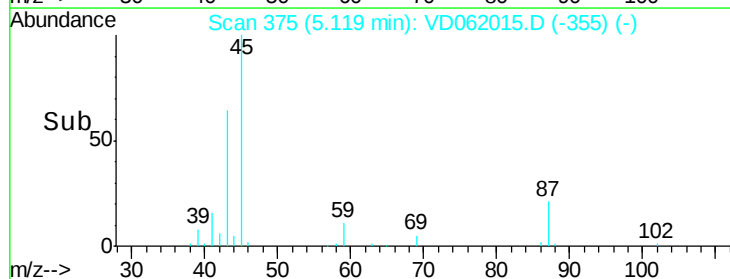
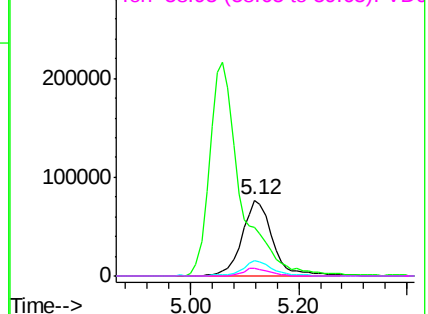
43 63.8 46.2 69.2

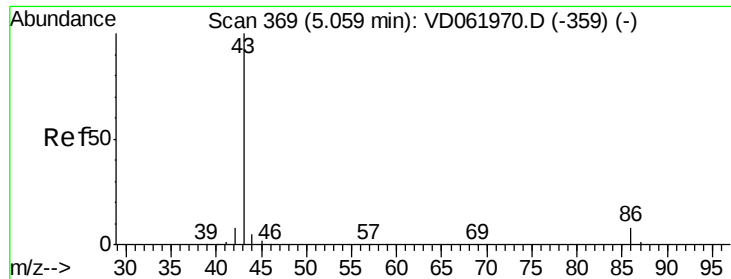
87 20.7 15.9 23.9

59 10.7 7.9 11.9



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





#23

Vinyl Acetate

Concen: 116.147 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

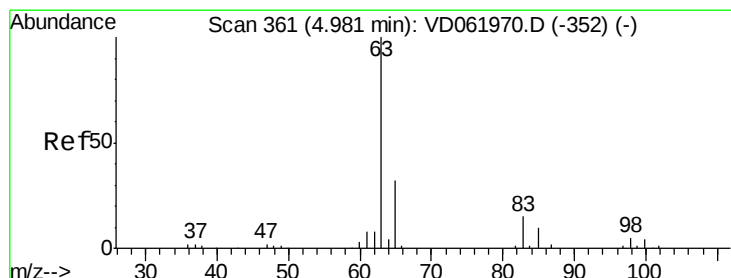
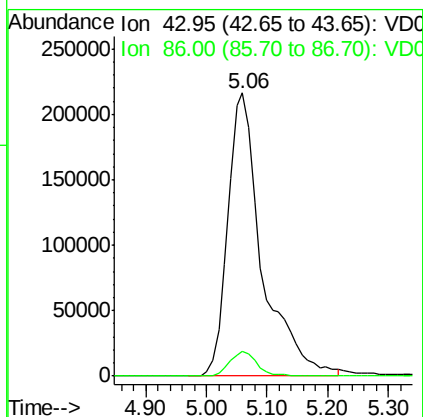
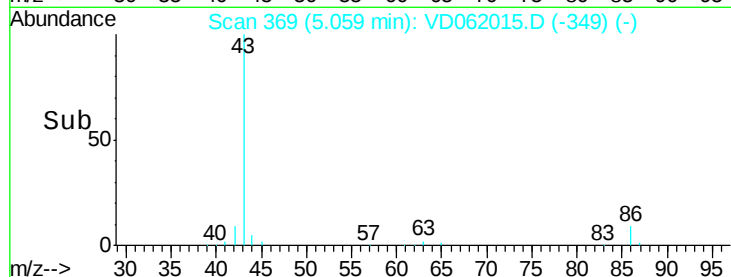
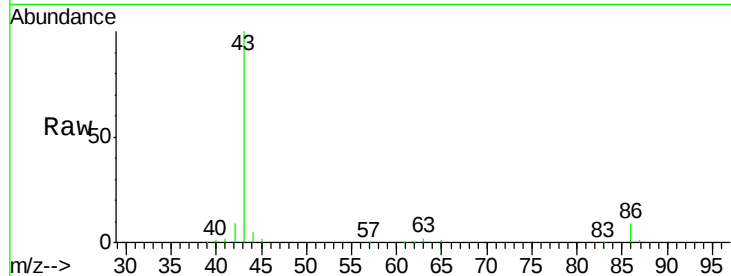
VD0424SBS02

Tot Ion: 43 Resp: 849544

Ion Ratio Lower Upper

43 100

86 8.7 6.4 9.6



#24

1,1-Dichloroethane

Concen: 20.383 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

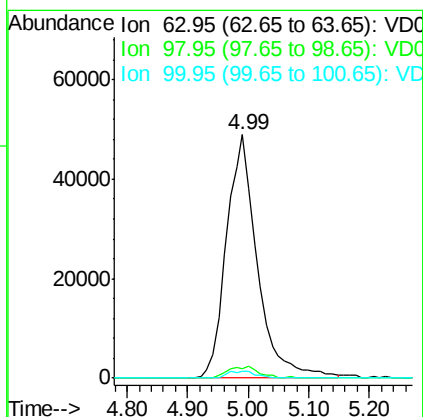
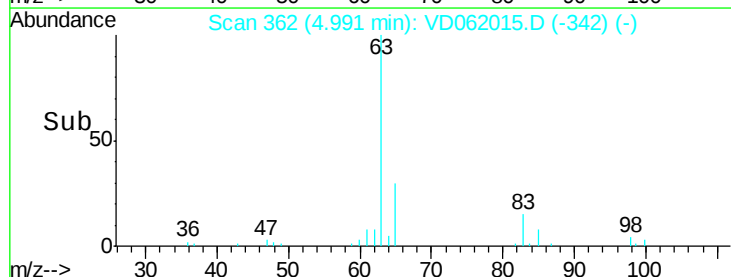
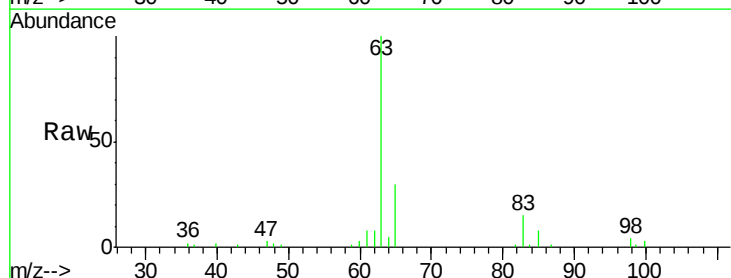
Tgt Ion: 63 Resp: 173033

Ion Ratio Lower Upper

63 100

98 4.7 2.8 8.4

100 3.1 1.8 5.5

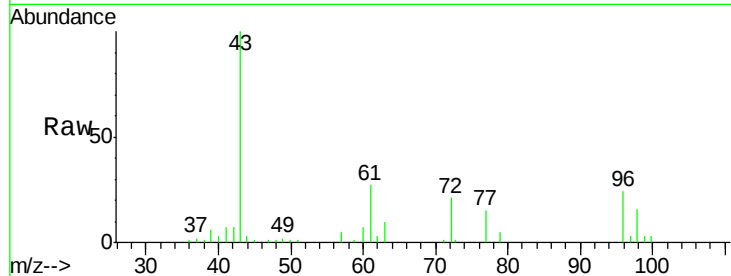




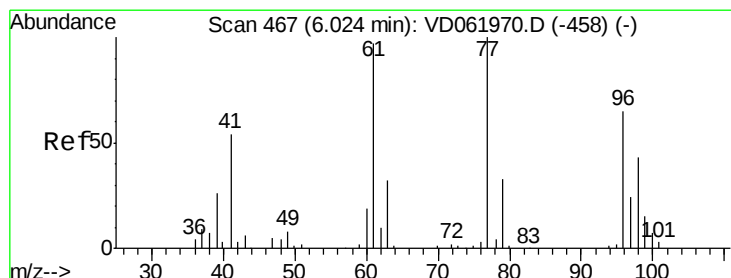
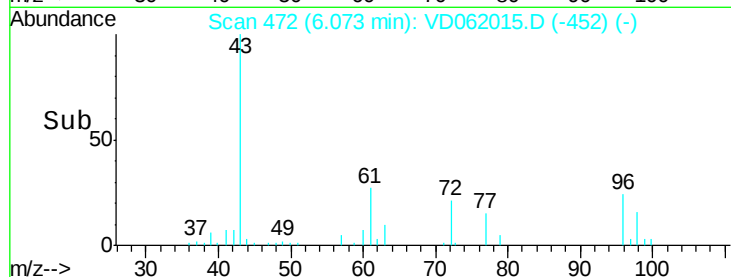
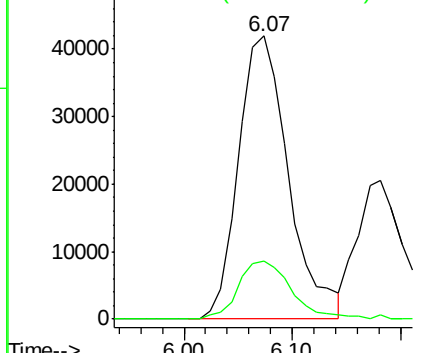
#25
2-Butanone
Concen: 110.787 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion: 43 Resp: 135671
Ion Ratio Lower Upper
43 100
72 20.6 16.2 24.4

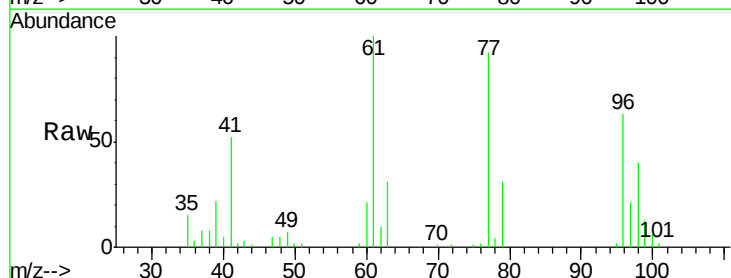


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

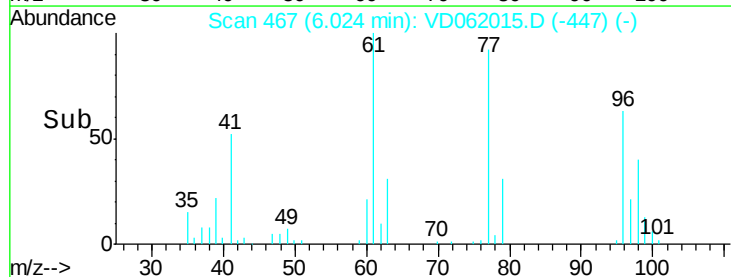
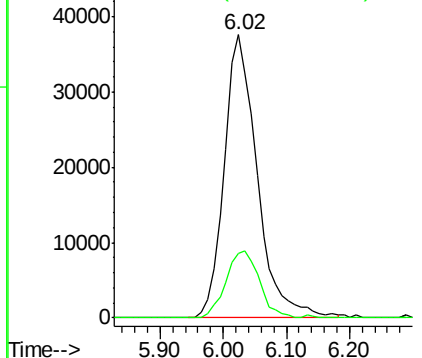


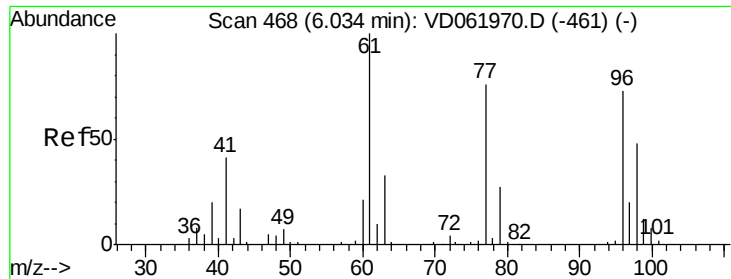
#26
2,2-Dichloropropane
Concen: 18.336 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 77 Resp: 135796
Ion Ratio Lower Upper
77 100
97 22.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



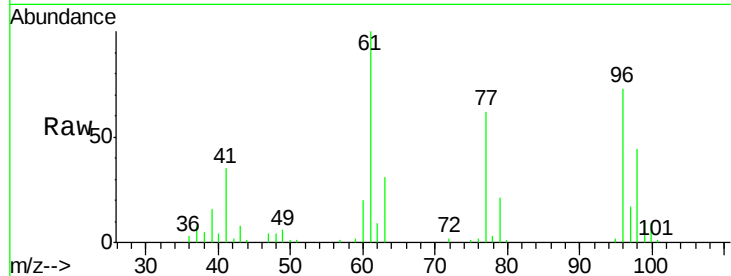


#27

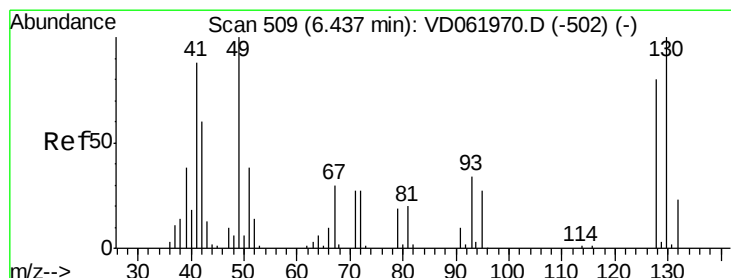
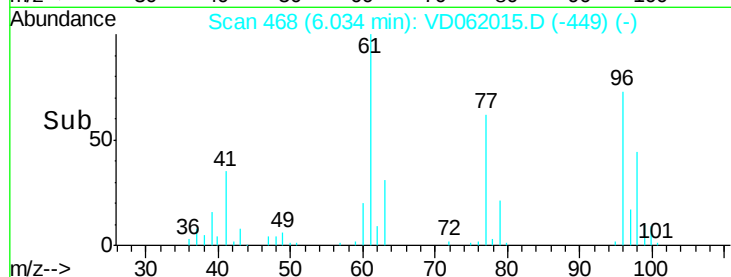
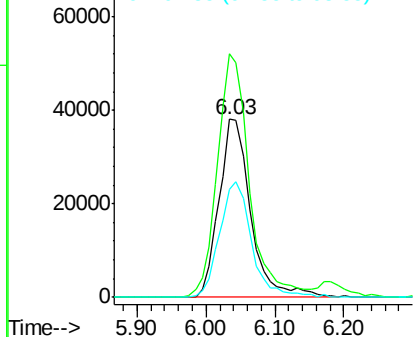
cis-1,2-Dichloroethene
Concen: 21.216 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion: 96 Resp: 121980
Ion Ratio Lower Upper
96 100
61 136.6 0.0 279.8
98 60.5 0.0 136.0



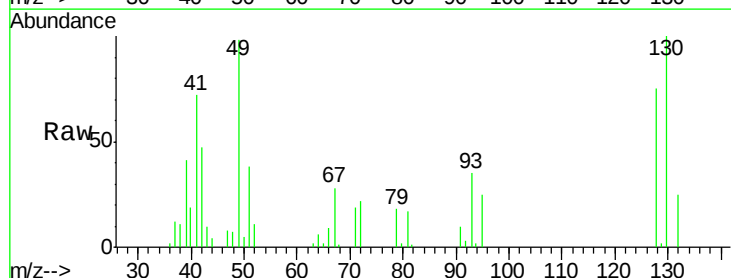
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



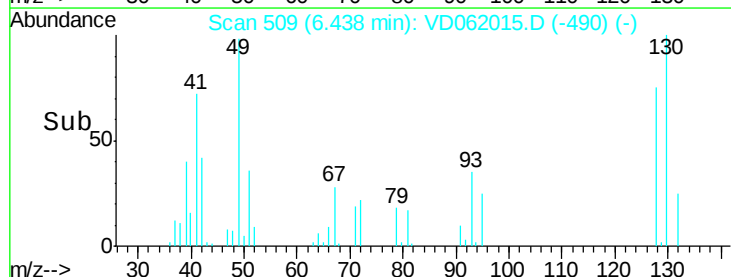
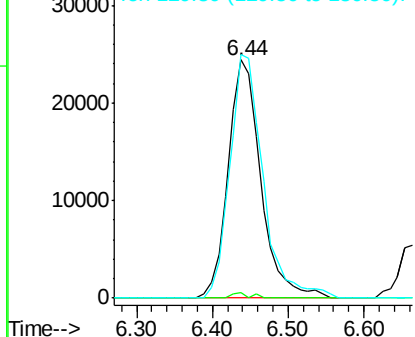
#28

Bromochloromethane
Concen: 22.412 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 49 Resp: 72799
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.6
130 102.2 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 117.377 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

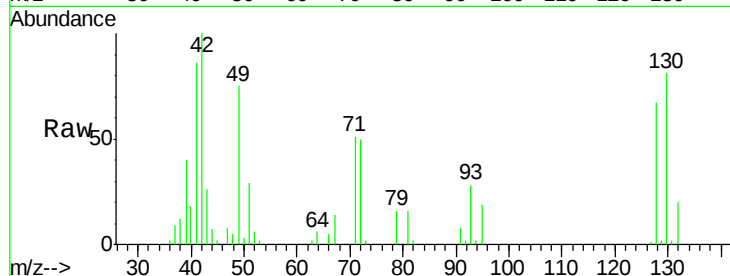
Tot Ion: 42 Resp: 70825

Ion Ratio Lower Upper

42 100

72 46.5 37.8 56.6

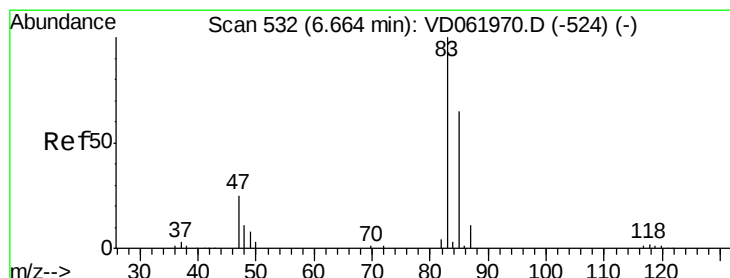
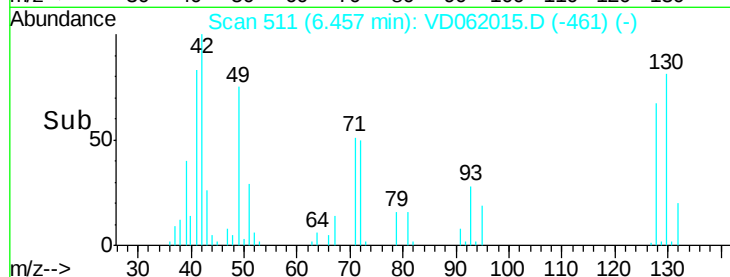
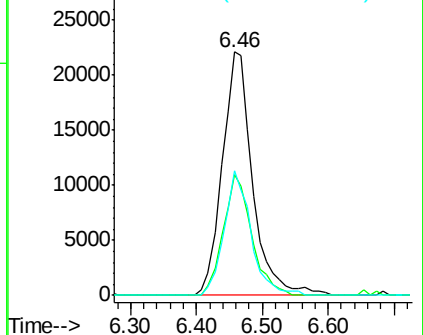
71 45.8 36.7 55.1



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: 21.086 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD062015.D

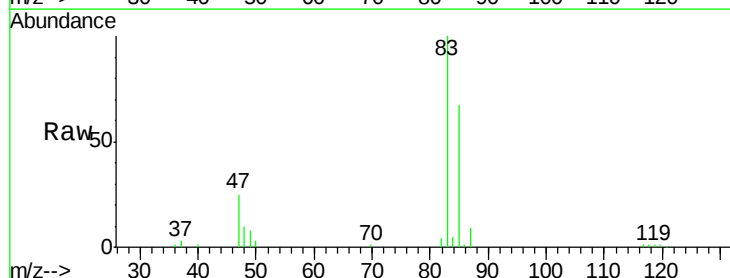
Acq: 25 Apr 2019 2:36

Tgt Ion: 83 Resp: 203320

Ion Ratio Lower Upper

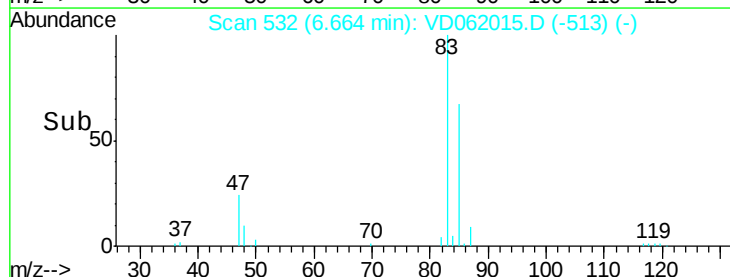
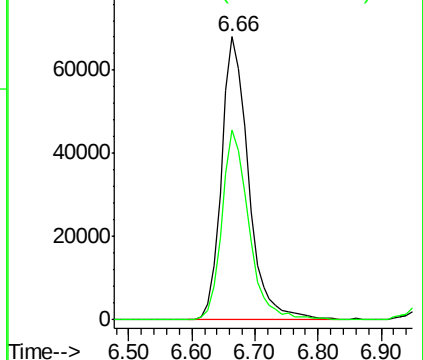
83 100

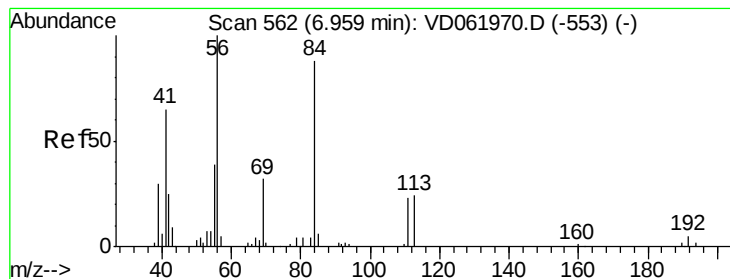
85 67.2 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.607 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

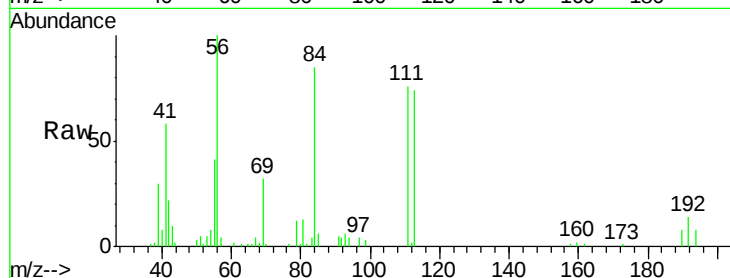
Tot Ion: 56 Resp: 123545

Ion Ratio Lower Upper

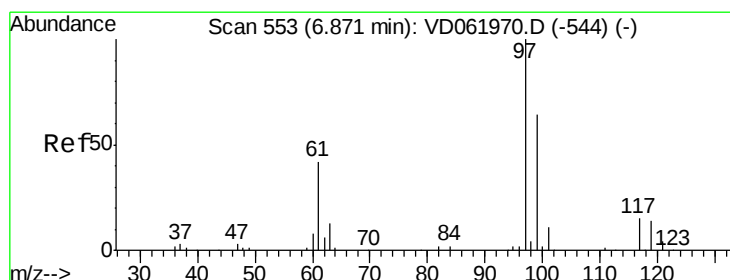
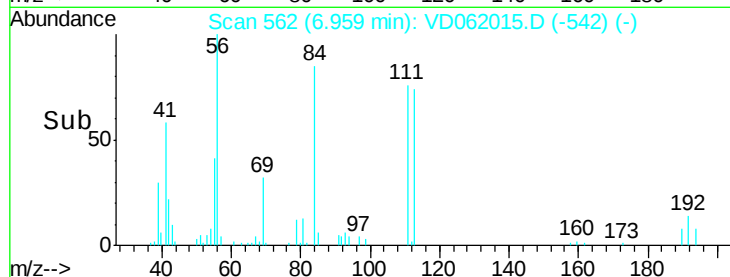
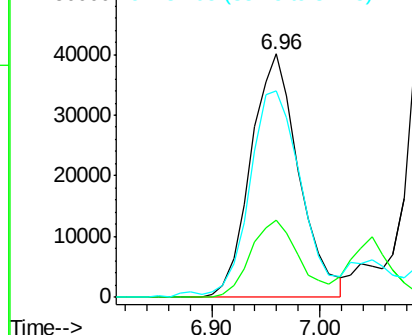
56 100

69 31.8 25.8 38.6

84 84.8 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: 20.691 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

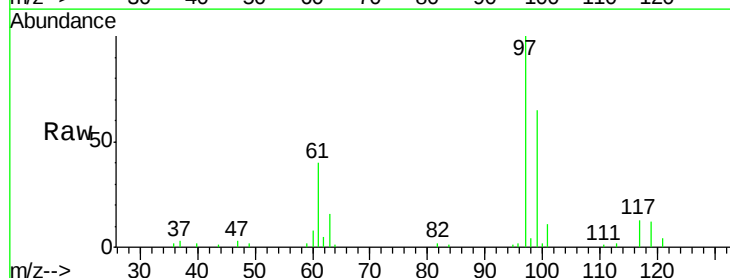
Tgt Ion: 97 Resp: 173589

Ion Ratio Lower Upper

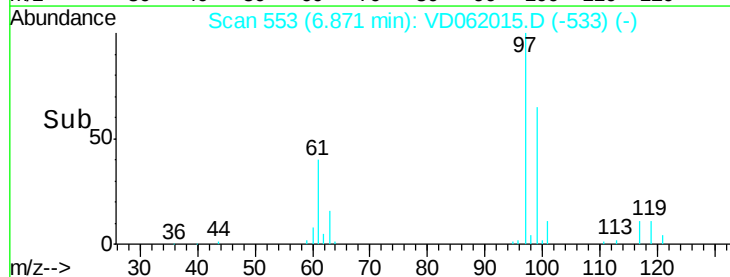
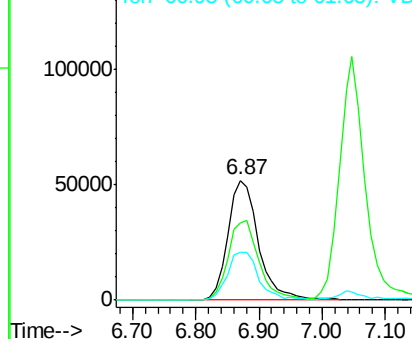
97 100

99 64.7 52.2 78.2

61 40.3 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

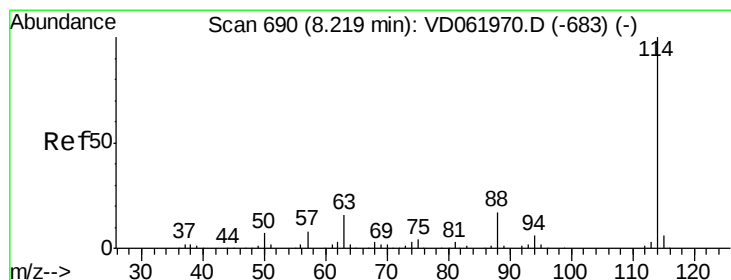
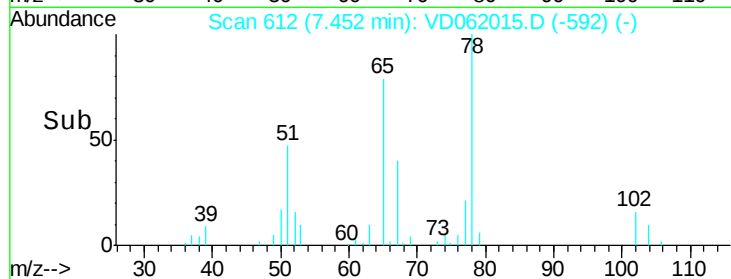
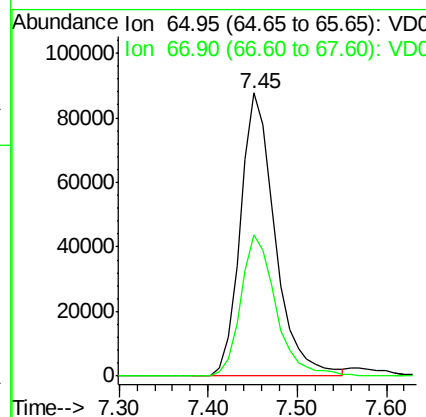
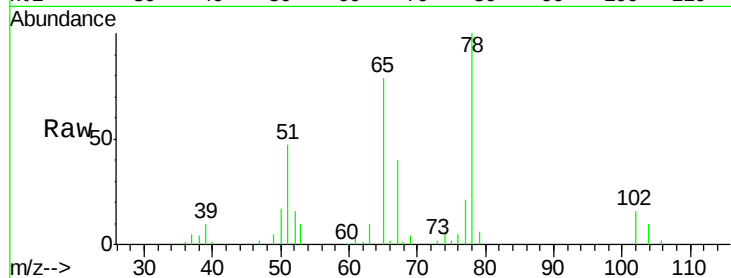




#33
 1,2-Dichloroethane-d4
 Concen: 56.004 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

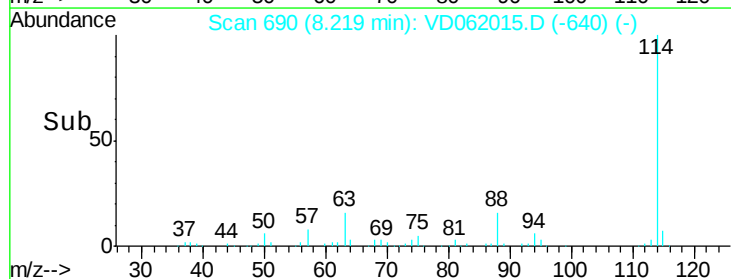
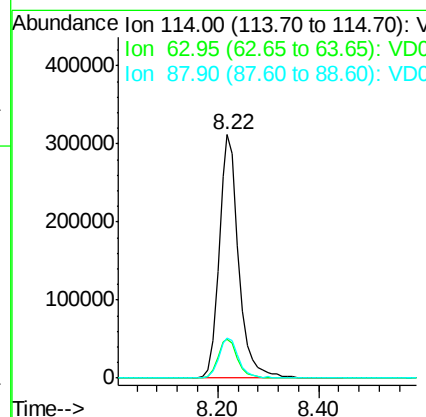
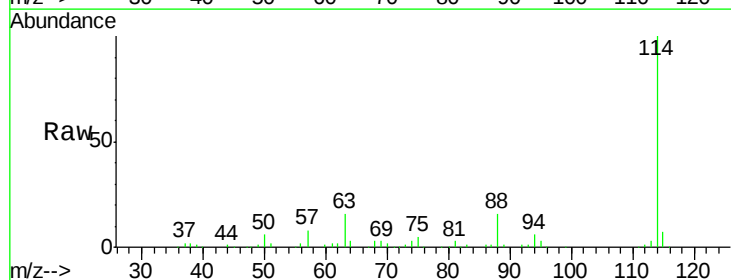
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

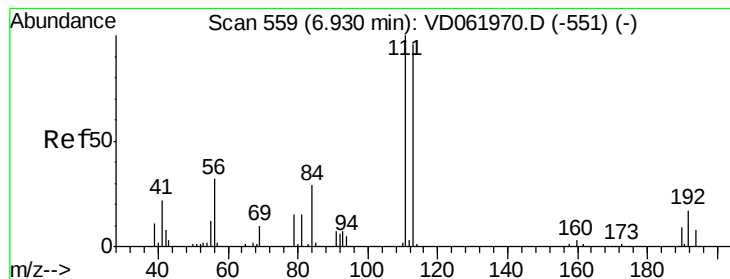
Tot Ion: 65 Resp: 236910
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 114 Resp: 845841
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.4
 88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 60.184 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

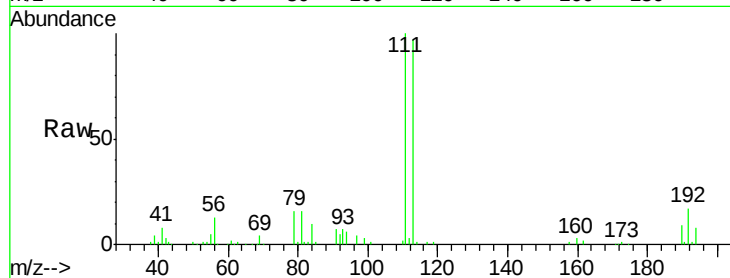
Tot Ion:113 Resp: 352065

Ion Ratio Lower Upper

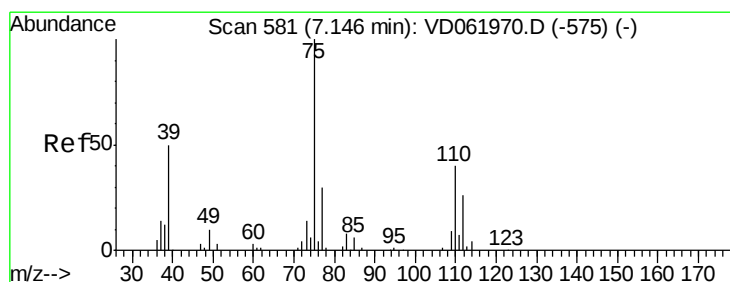
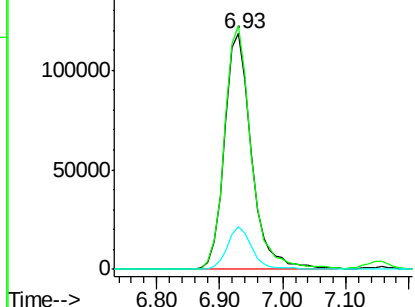
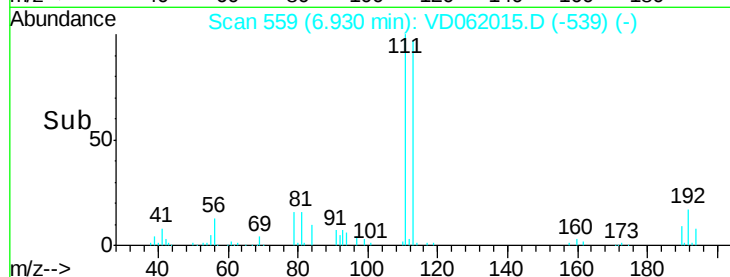
113 100

111 103.5 78.5 117.7

192 18.1 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: 22.352 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

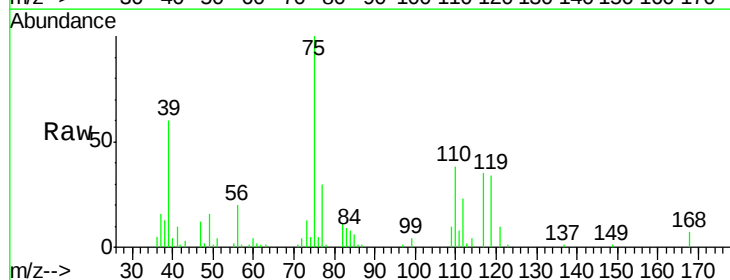
Tgt Ion: 75 Resp: 147301

Ion Ratio Lower Upper

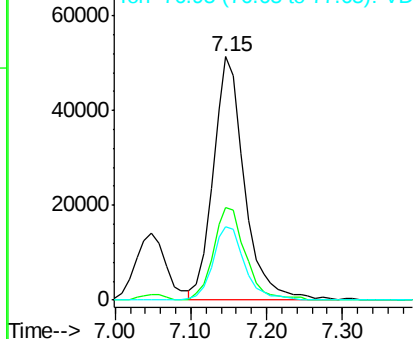
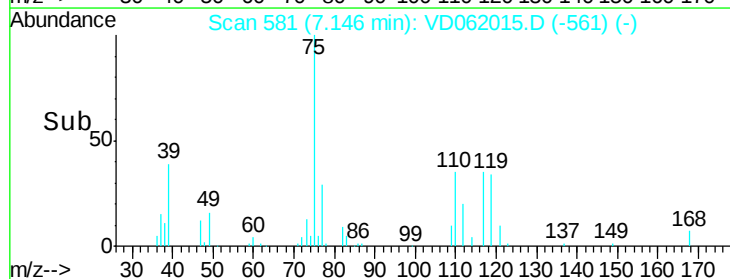
75 100

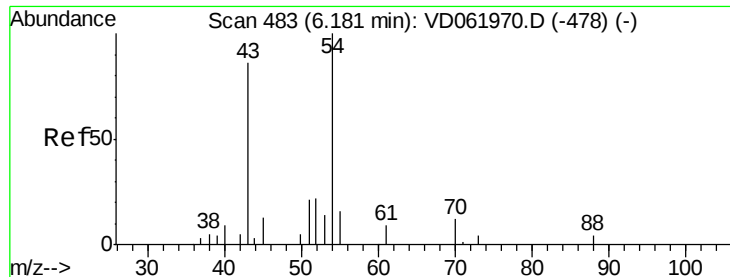
110 37.9 19.1 57.1

77 30.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

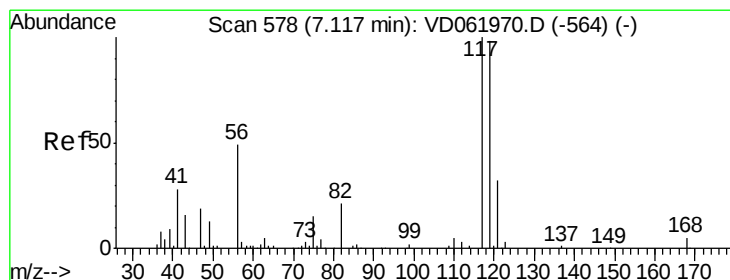
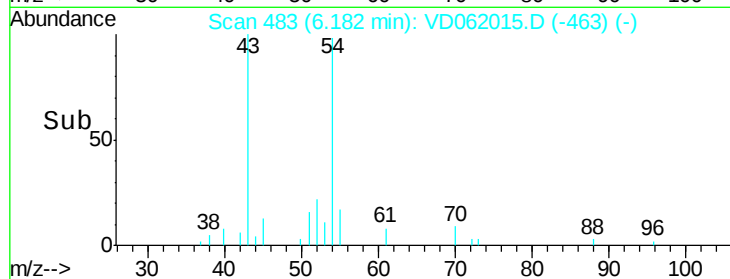
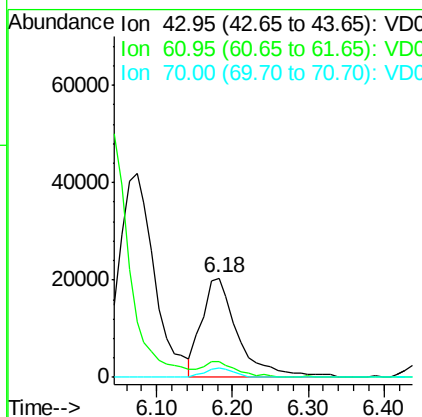
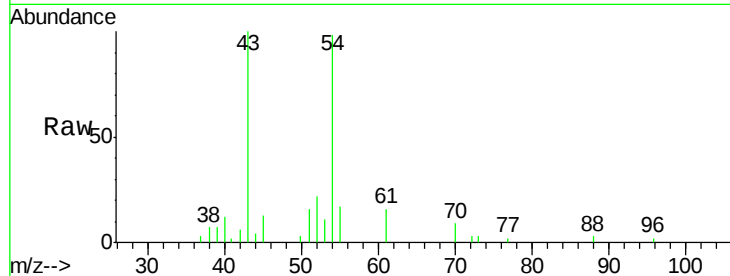




#37
Ethyl Acetate
Concen: 23.993 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

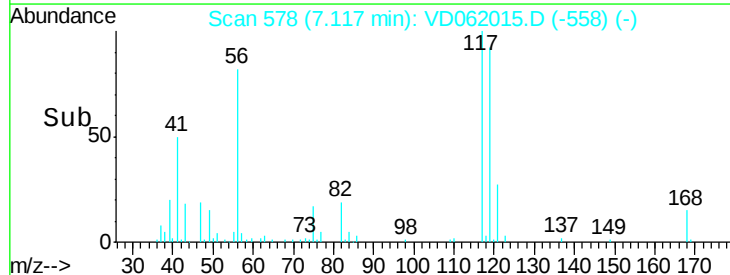
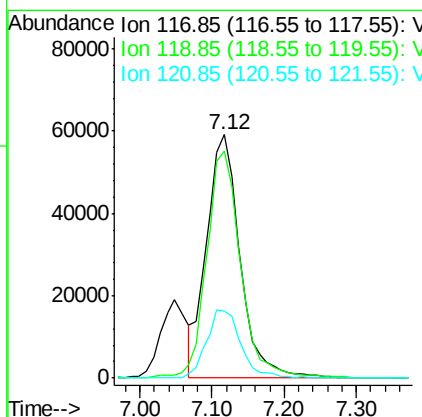
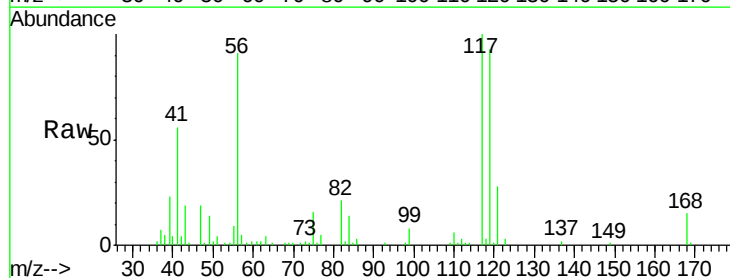
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion: 43 Resp: 67377
Ion Ratio Lower Upper
43 100
61 15.9 14.7 22.1
70 9.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 22.693 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 117 Resp: 189499
Ion Ratio Lower Upper
117 100
119 93.0 75.8 113.8
121 27.5 25.9 38.9





#39

Methvlcvclohexane

Concen: 21.166 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

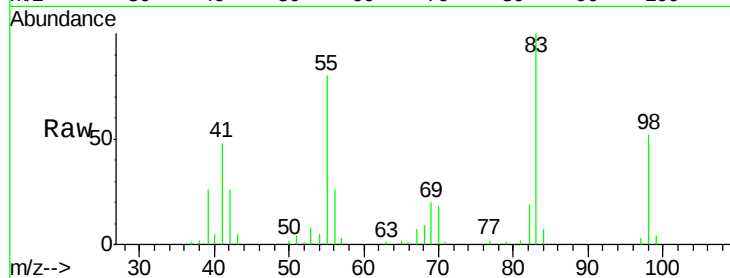
Tot Ion: 83 Resp: 137616

Ion Ratio Lower Upper

83 100

55 80.1 68.2 102.4

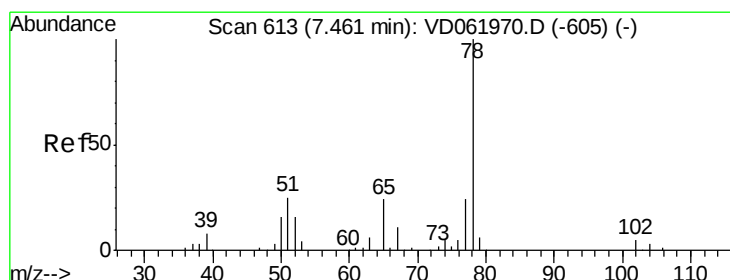
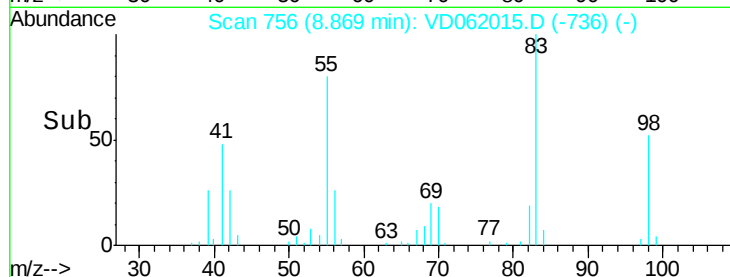
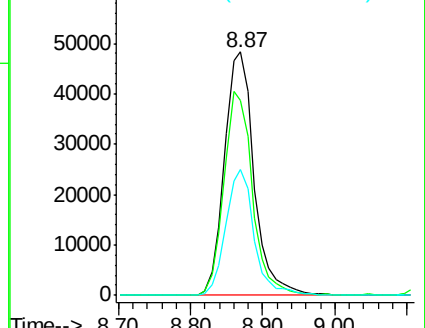
98 51.9 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.318 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062015.D

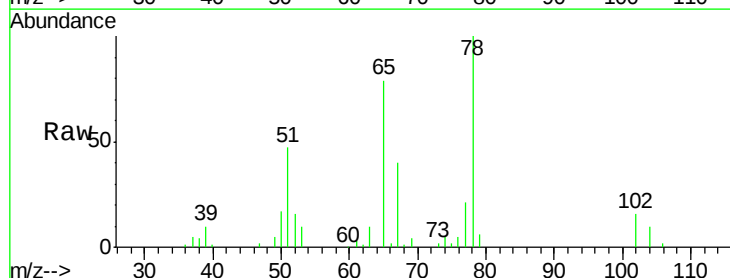
Acq: 25 Apr 2019 2:36

Tgt Ion: 78 Resp: 331485

Ion Ratio Lower Upper

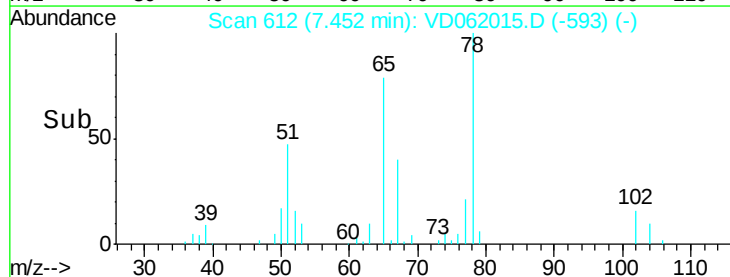
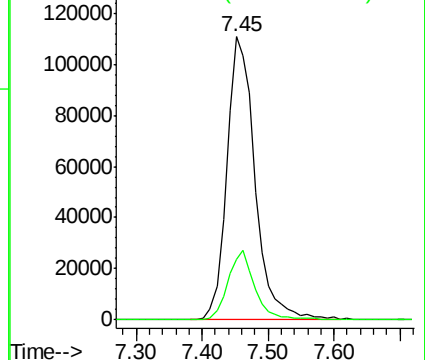
78 100

77 21.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

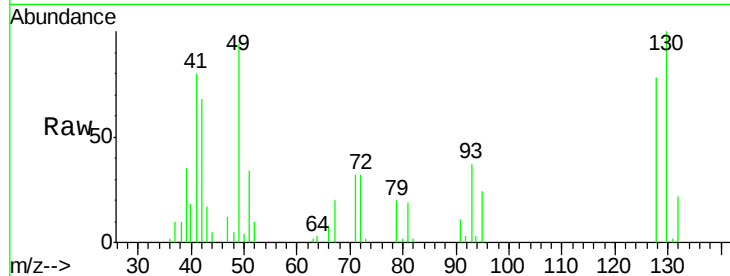




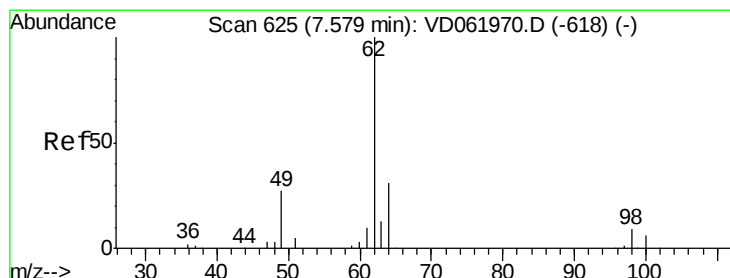
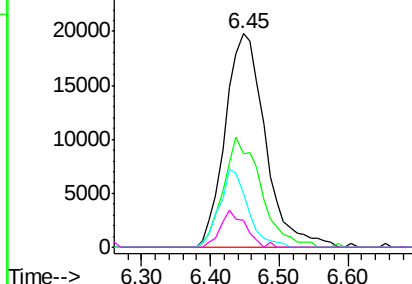
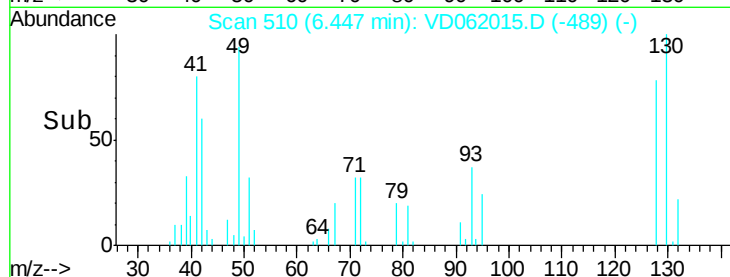
#41
Methacrylonitrile
Concen: 24.384 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion:	41	Resp:	79897
Ion	Ratio	Lower	Upper
41	100		
39	43.6	34.1	51.1
67	24.9	23.8	35.6
52	12.7	8.8	13.2

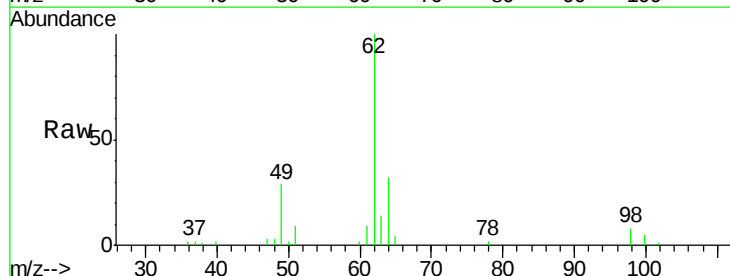


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

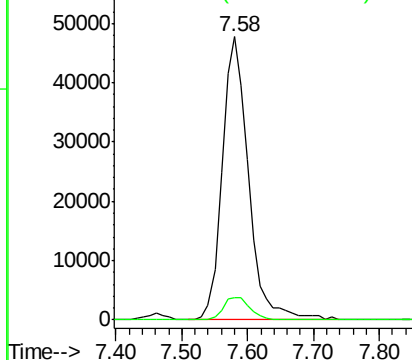
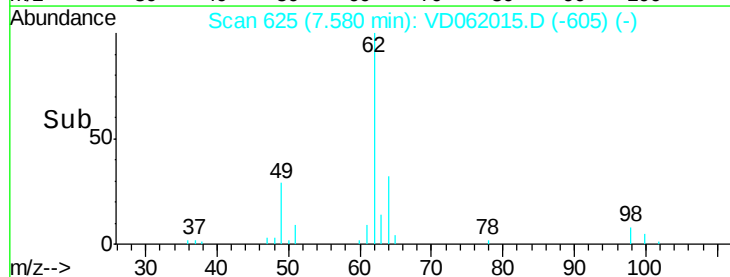


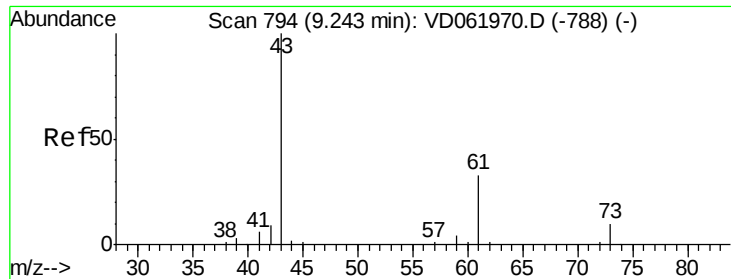
#42
1,2-Dichloroethane
Concen: 24.033 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion:	62	Resp:	133130
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.619 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

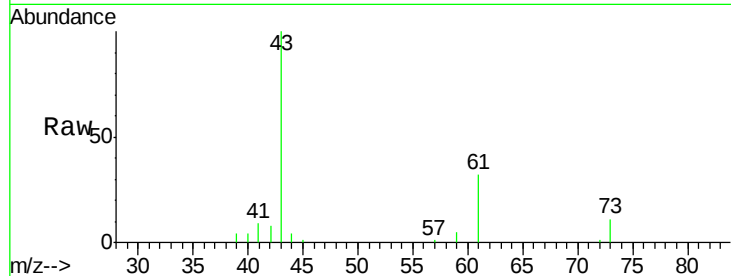
Tot Ion: 43 Resp: 88708

Ion Ratio Lower Upper

43 100

61 31.9 25.1 37.7

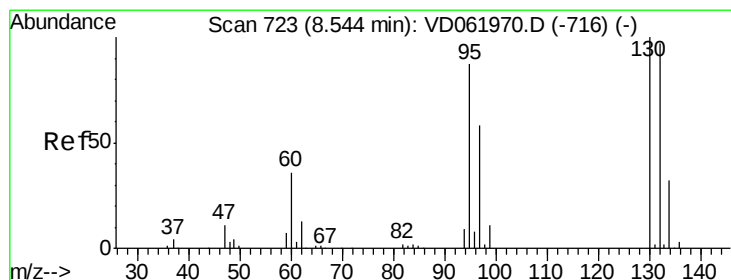
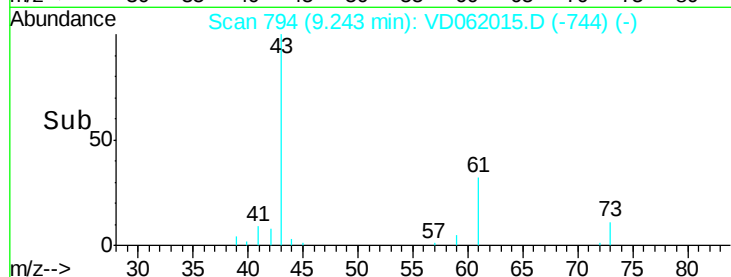
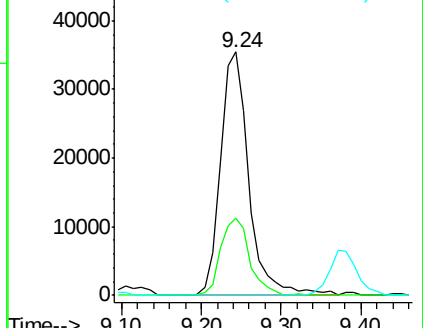
87 0.0 0.0 0.0



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: 20.928 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062015.D

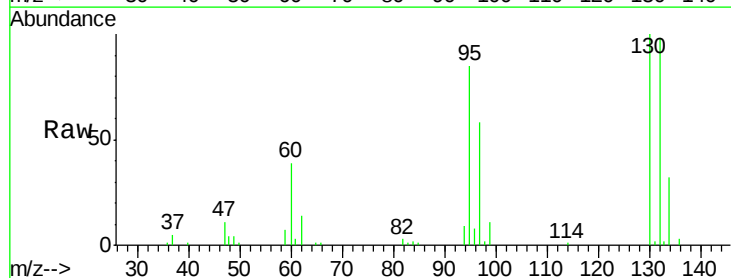
Acq: 25 Apr 2019 2:36

Tgt Ion:130 Resp: 132372

Ion Ratio Lower Upper

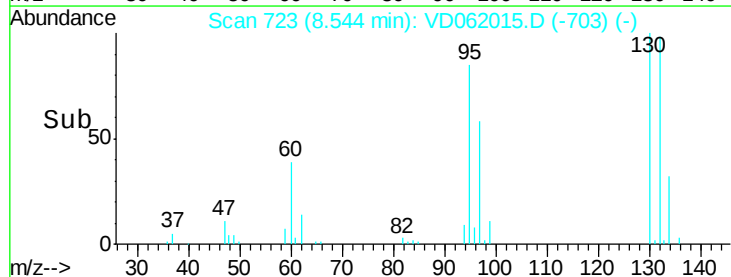
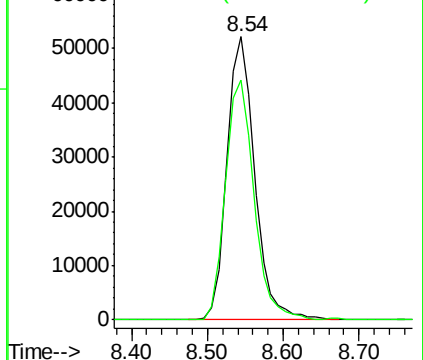
130 100

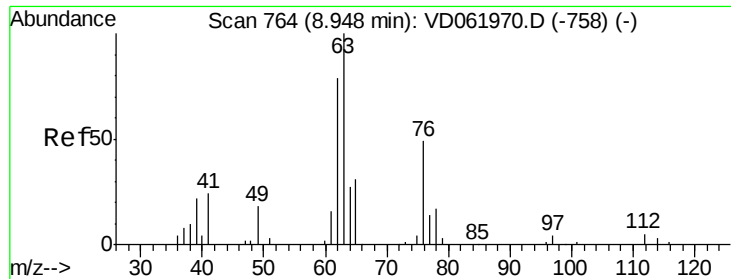
95 84.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

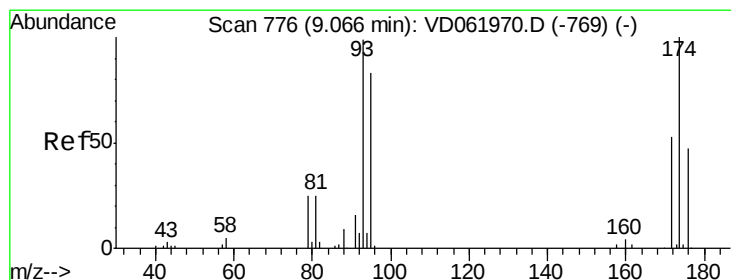
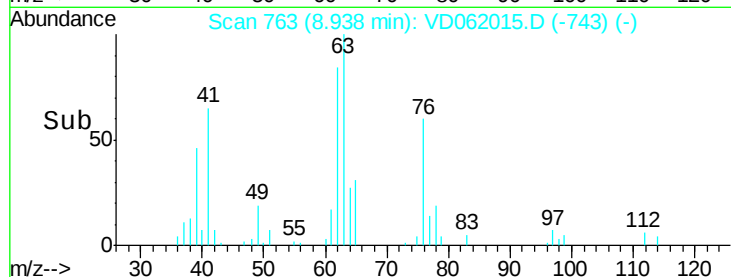
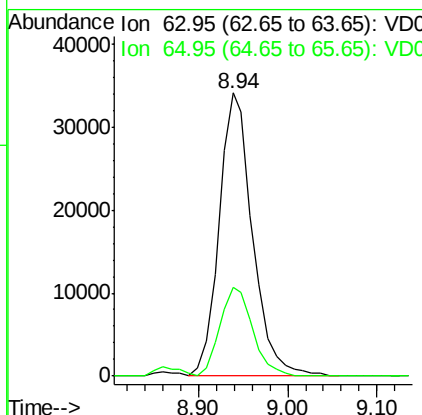
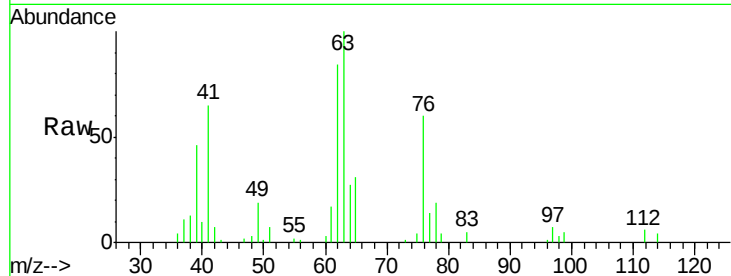




#45
 1,2-Dichloropropane
 Concen: 21.561 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

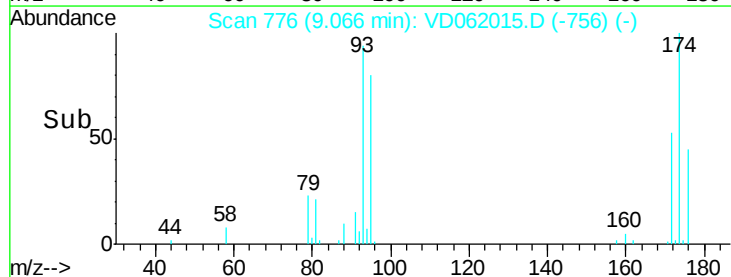
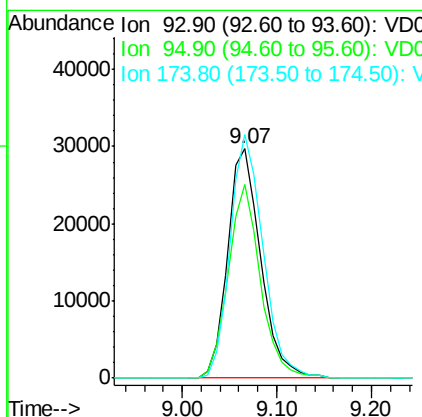
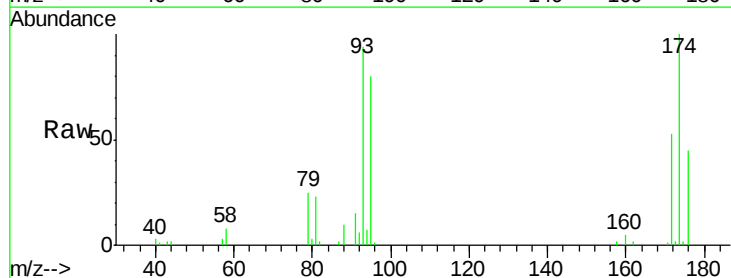
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

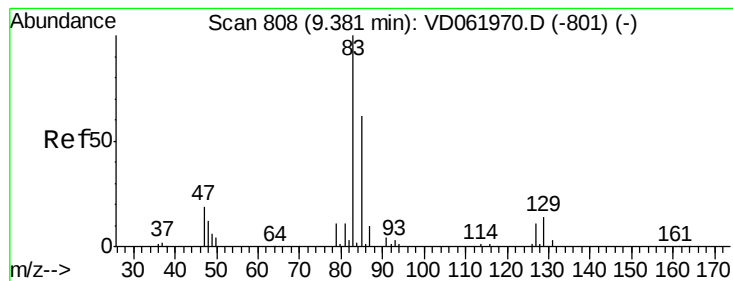
Tot Ion: 63 Resp: 89236
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.8 35.6



#46
 Dibromomethane
 Concen: 24.103 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 93 Resp: 71782
 Ion Ratio Lower Upper
 93 100
 95 84.5 64.8 97.2
 174 106.3 79.3 118.9





#47

Bromodichloromethane

Concen: 22.979 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

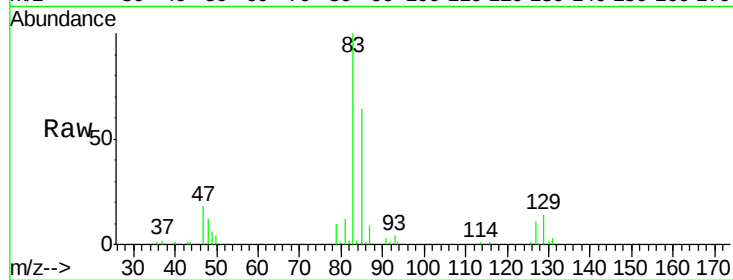
Tot Ion: 83 Resp: 161700

Ion Ratio Lower Upper

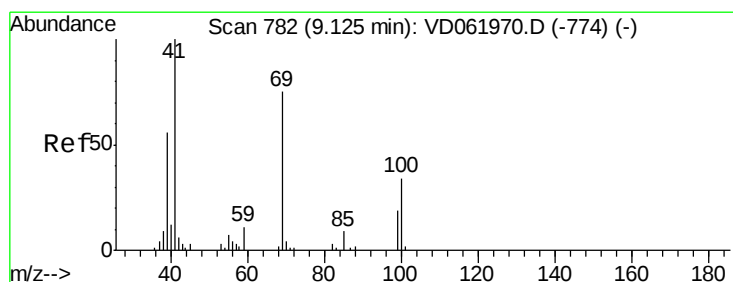
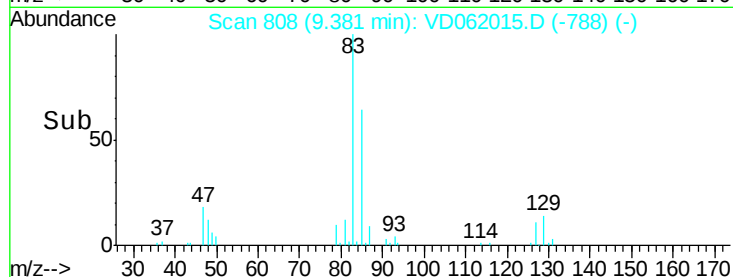
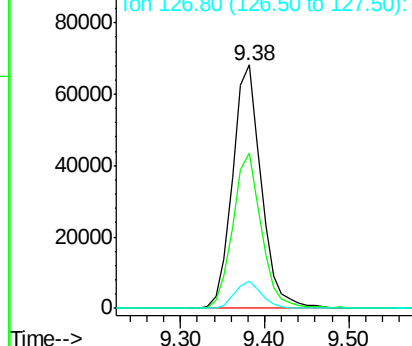
83 100

85 63.7 50.9 76.3

127 11.1 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: 24.837 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

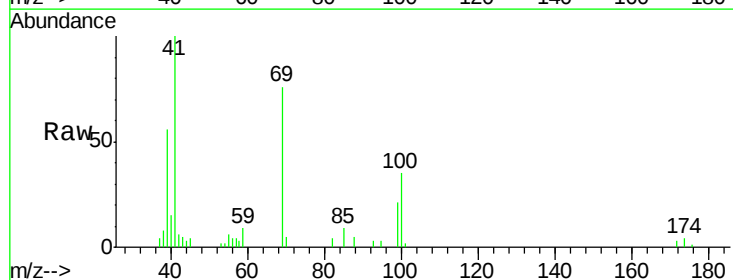
Tgt Ion: 41 Resp: 58147

Ion Ratio Lower Upper

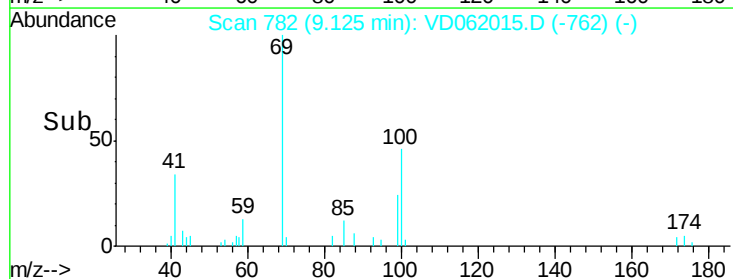
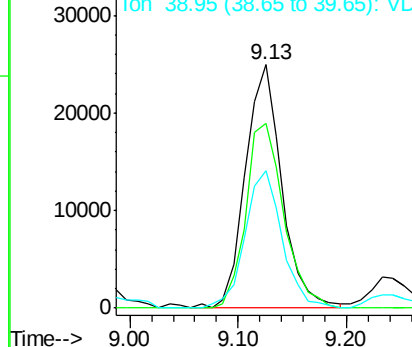
41 100

69 75.9 64.2 96.2

39 56.2 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

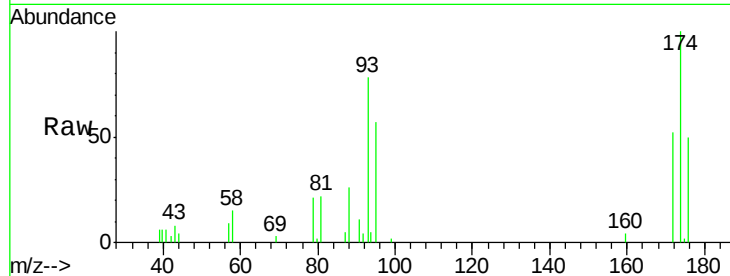




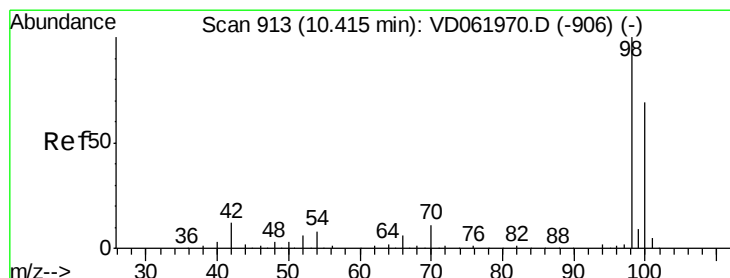
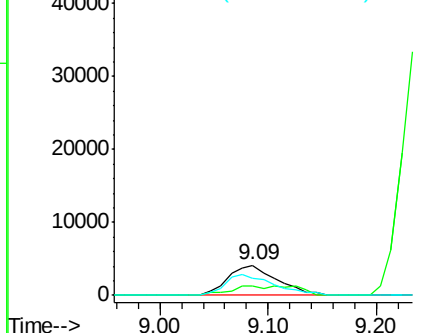
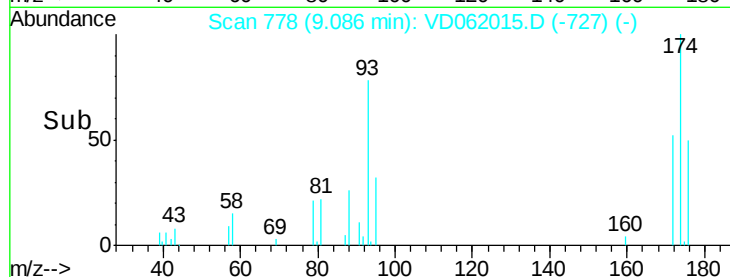
#49
1,4-Dioxane
Concen: 511.092 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion: 88 Resp: 12900
Ion Ratio Lower Upper
88 100
43 31.4 23.4 35.0
58 58.7 44.0 66.0

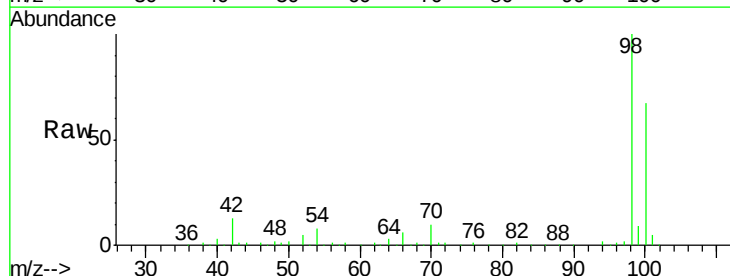


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

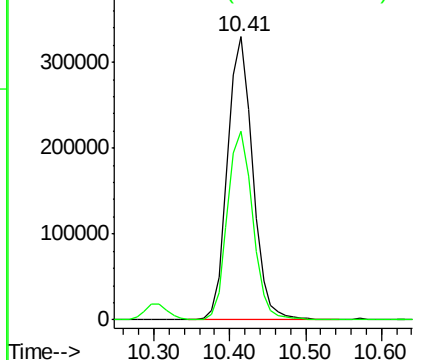
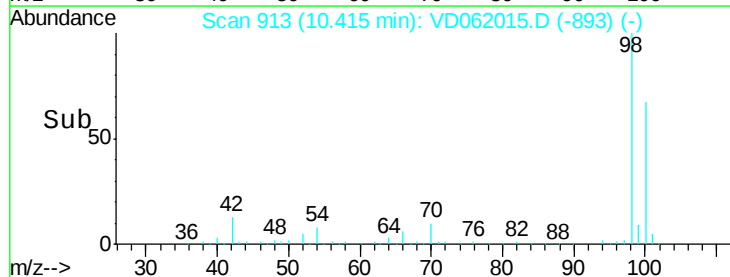


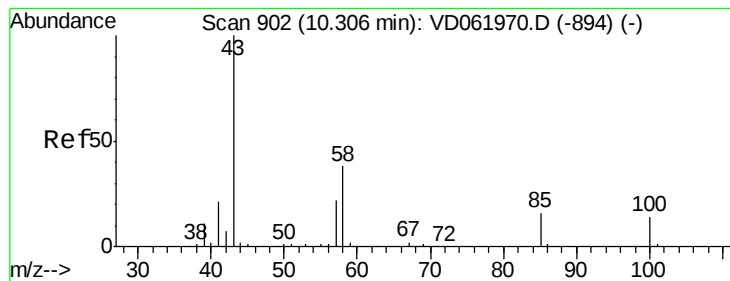
#50
Toluene-d8
Concen: 54.570 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 98 Resp: 759597
Ion Ratio Lower Upper
98 100
100 66.7 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: 127.151 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

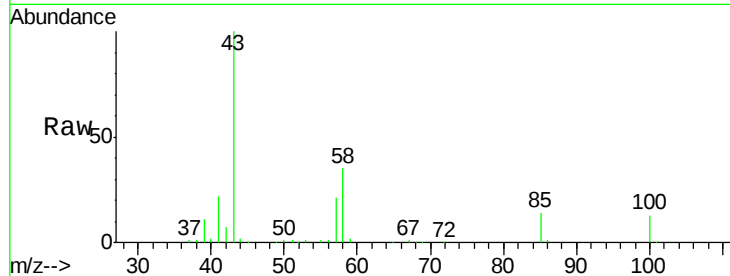
VD0424SBS02

Tot Ion: 43 Resp: 319068

Ion Ratio Lower Upper

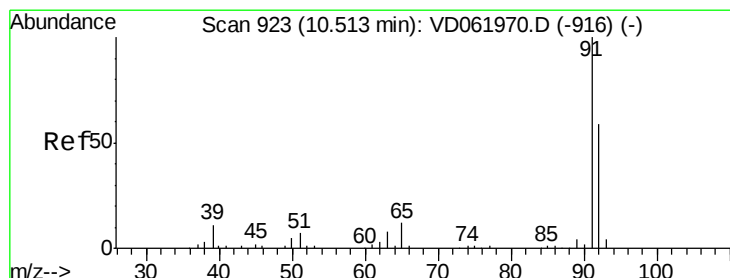
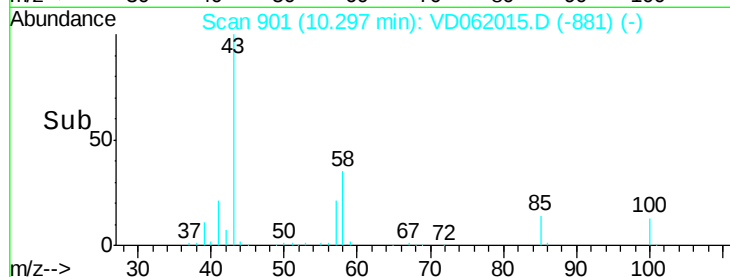
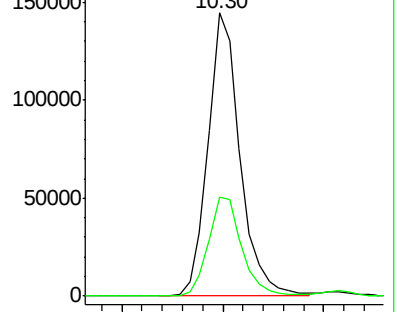
43 100

58 34.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.855 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062015.D

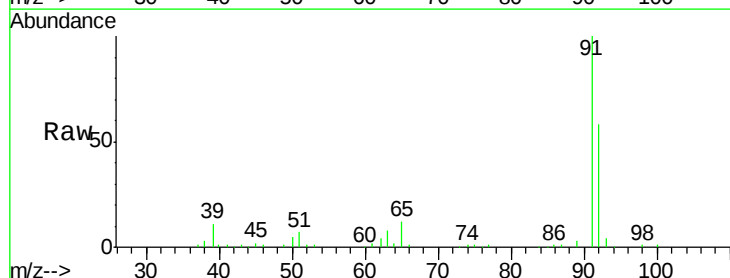
Acq: 25 Apr 2019 2:36

Tgt Ion: 92 Resp: 227349

Ion Ratio Lower Upper

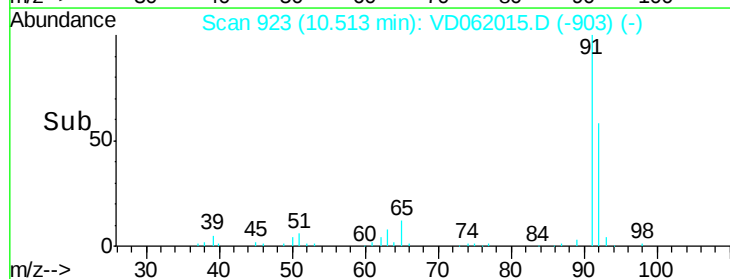
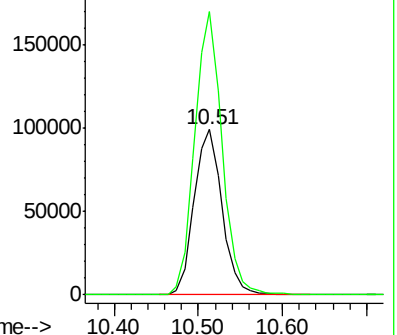
92 100

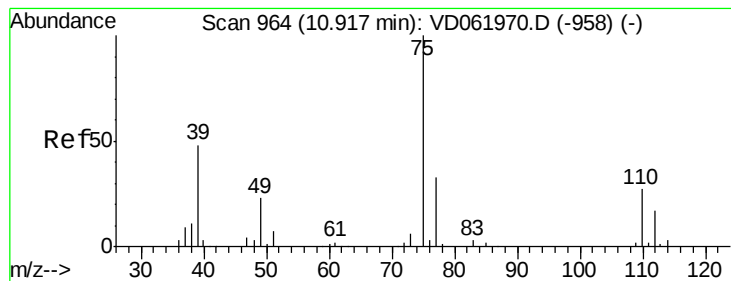
91 171.5 136.6 204.8



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: 21.845 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

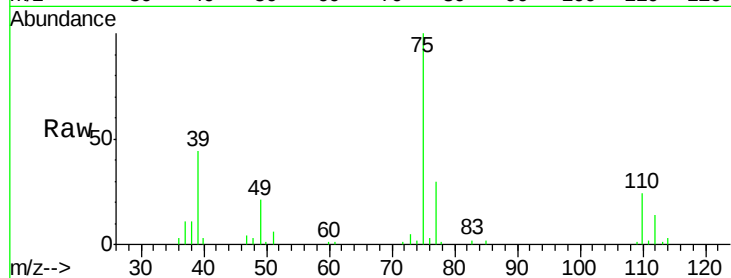
VD0424SBS02

Tot Ion: 75 Resp: 129030

Ion Ratio Lower Upper

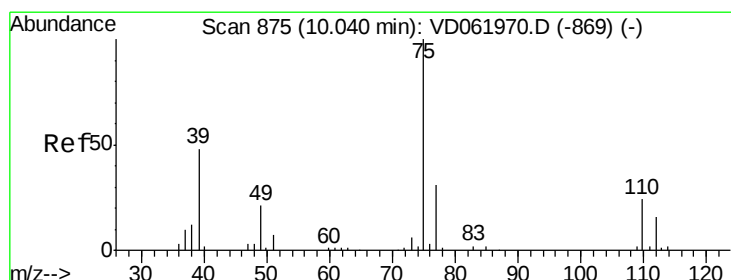
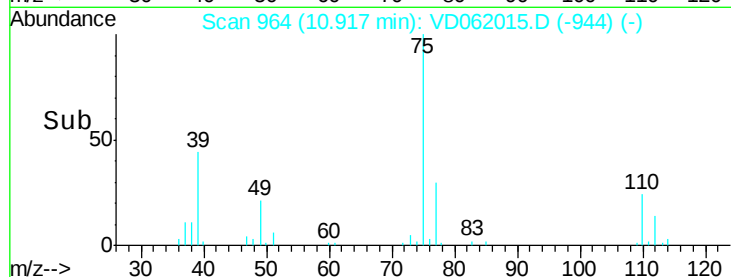
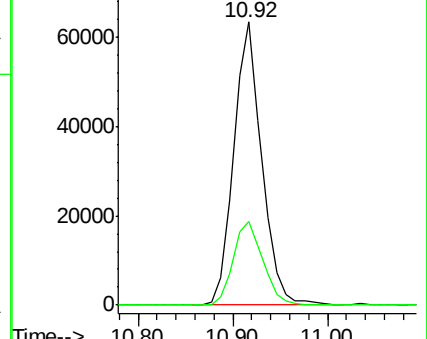
75 100

77 29.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.303 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

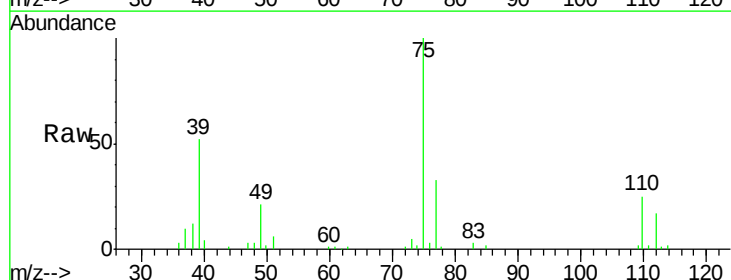
Tgt Ion: 75 Resp: 153037

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3

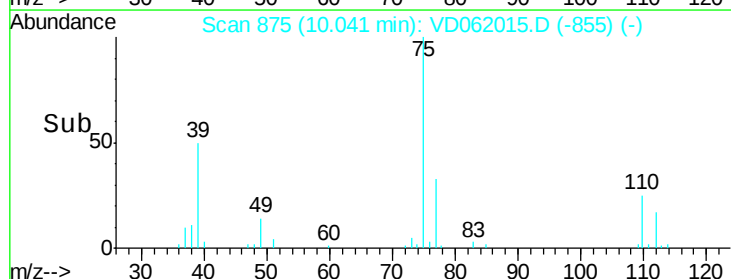
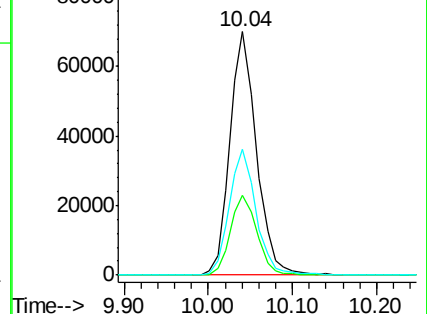
39 51.9 39.4 59.2

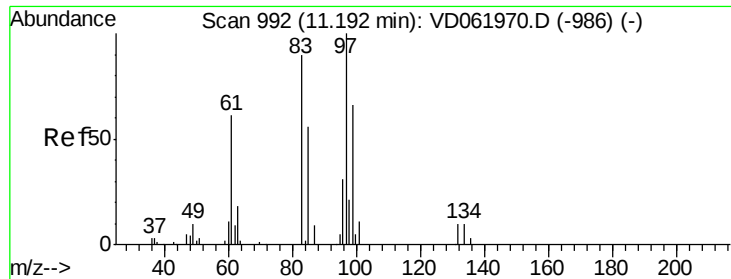


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

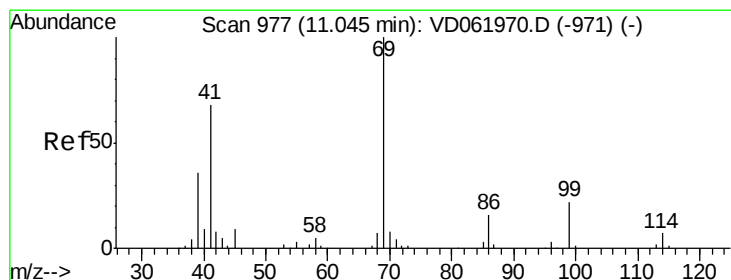
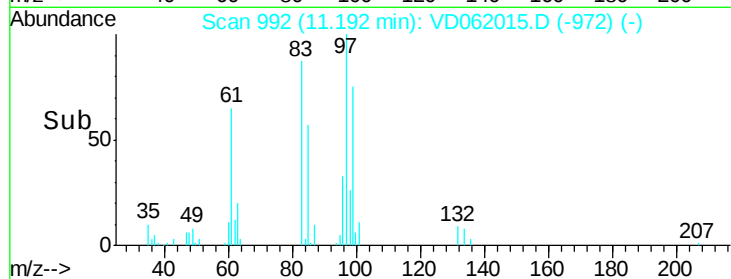
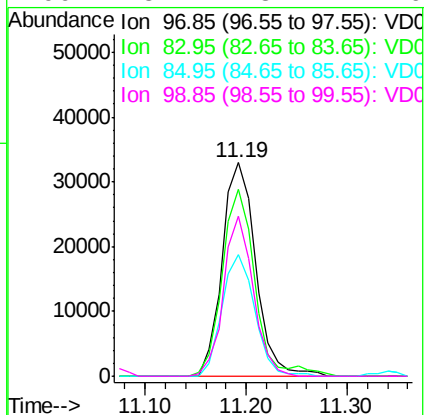
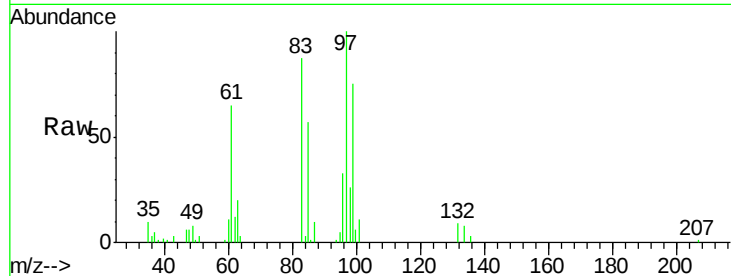




#55
 1,1,2-Trichloroethane
 Concen: 21.846 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

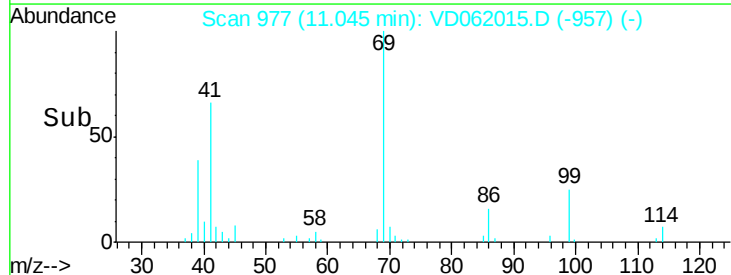
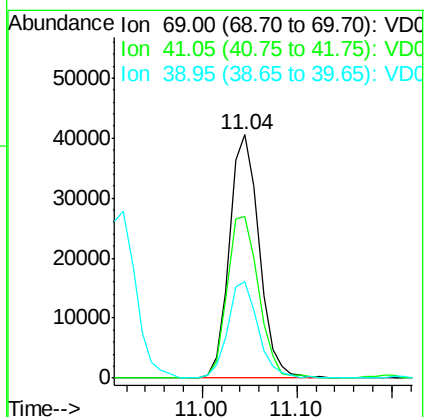
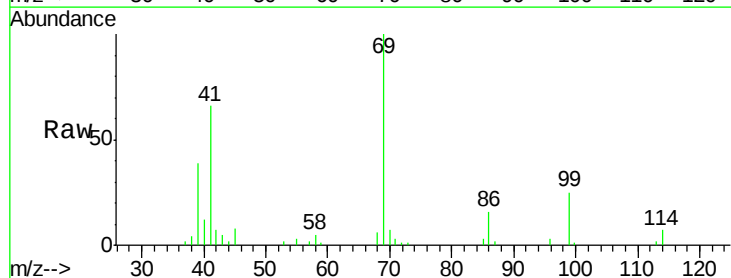
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

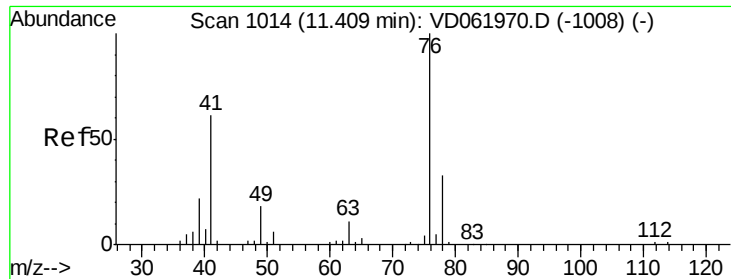
Tot Ion: 97 Resp: 76295
 Ion Ratio Lower Upper
 97 100
 83 87.4 65.7 98.5
 85 56.8 45.6 68.4
 99 75.2 48.4 72.6#



#56
 Ethyl methacrylate
 Concen: 22.775 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 69 Resp: 88090
 Ion Ratio Lower Upper
 69 100
 41 66.2 56.3 84.5
 39 39.5 29.4 44.2

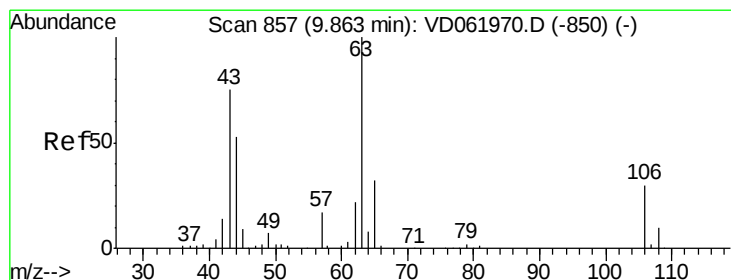
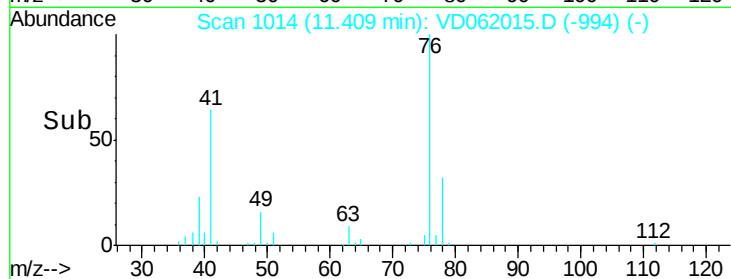
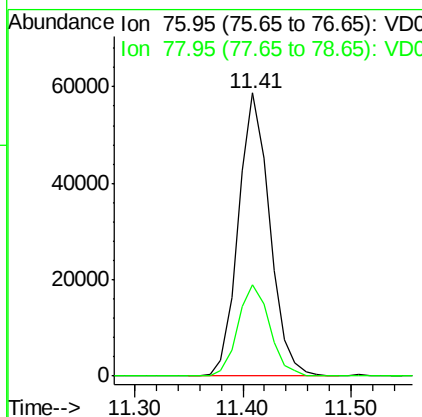
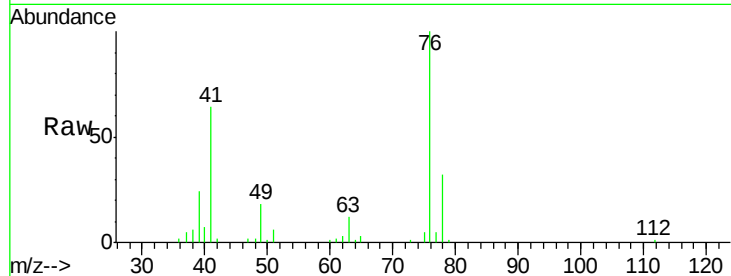




#57
 1,3-Dichloropropane
 Concen: 21.886 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

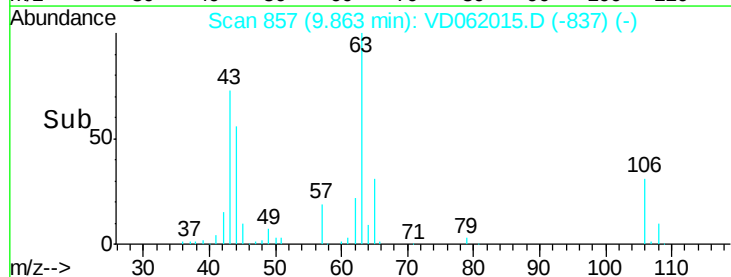
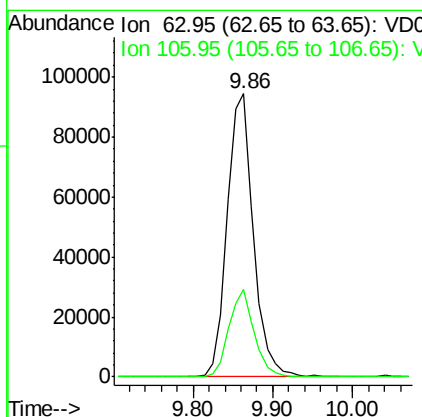
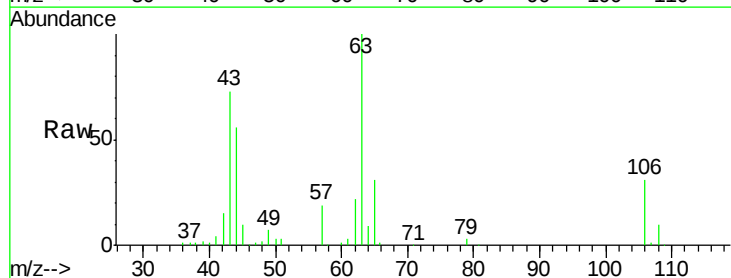
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

Tot Ion: 76 Resp: 118047
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.445 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 63 Resp: 218394
 Ion Ratio Lower Upper
 63 100
 106 31.0 22.6 34.0

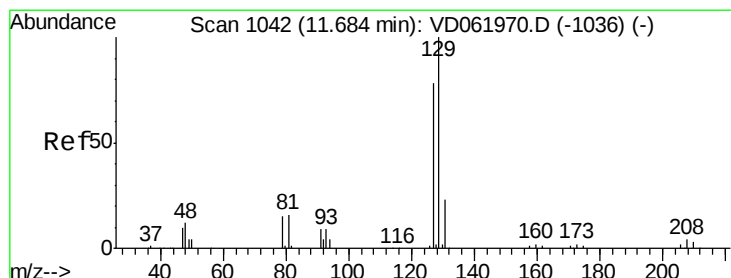
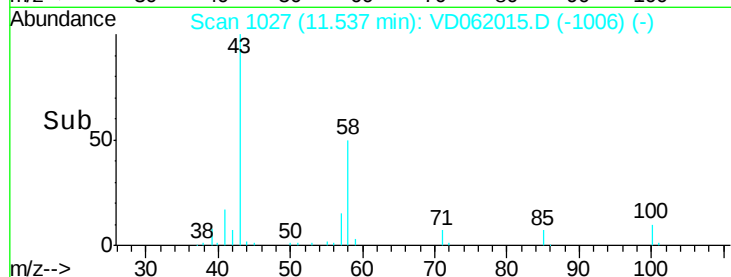
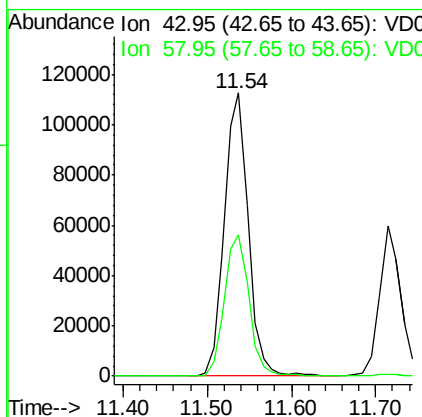
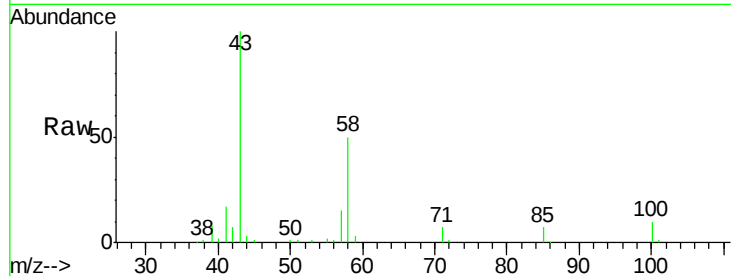




#59
2-Hexanone
Concen: 117.922 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

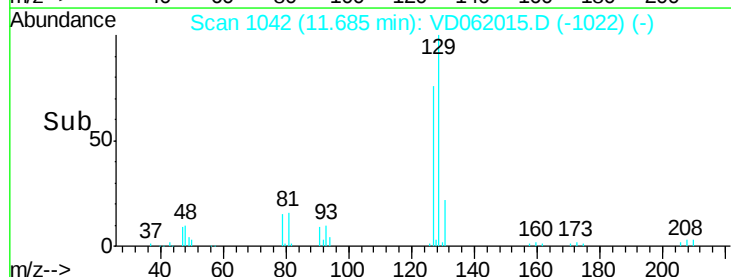
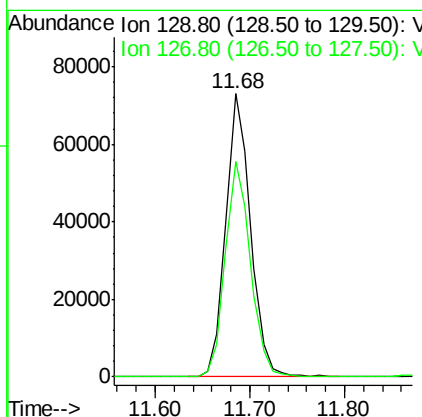
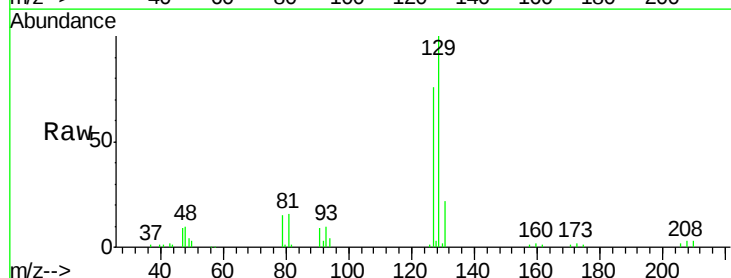
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

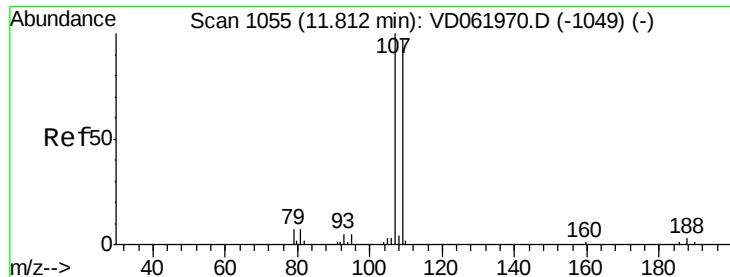
Tot Ion: 43 Resp: 221974
Ion Ratio Lower Upper
43 100
58 49.9 25.4 76.4



#60
Dibromochloromethane
Concen: 22.923 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 129 Resp: 132459
Ion Ratio Lower Upper
129 100
127 76.3 38.0 113.9

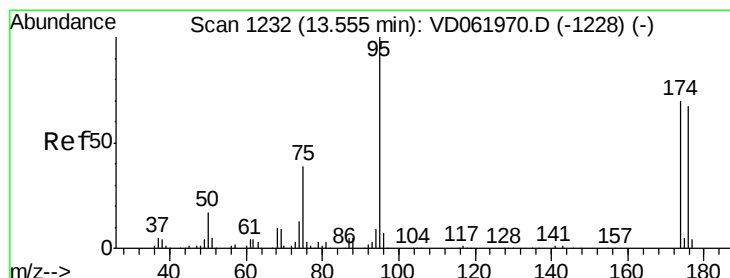
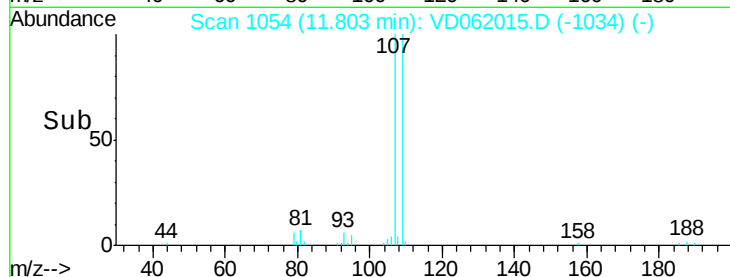
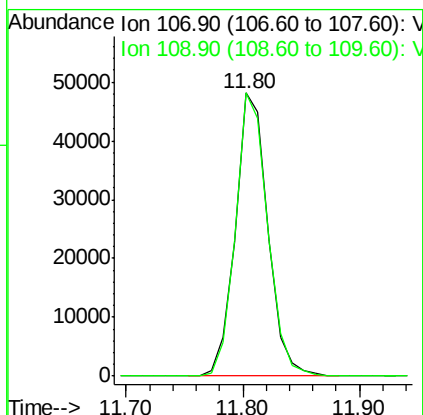
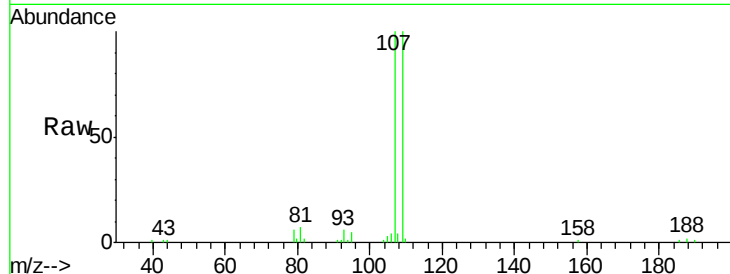




#61
 1,2-Dibromoethane
 Concen: 22.320 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

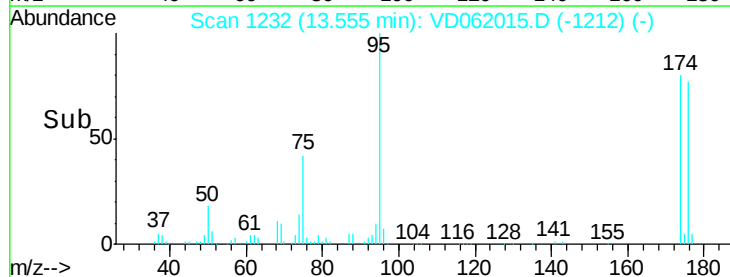
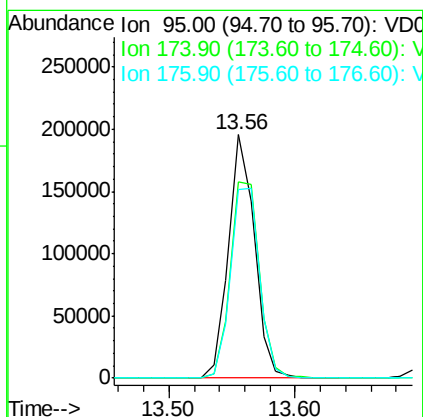
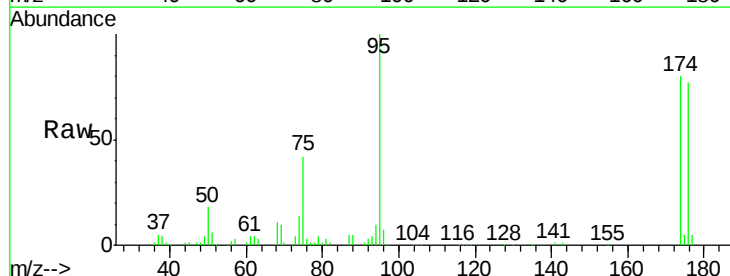
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

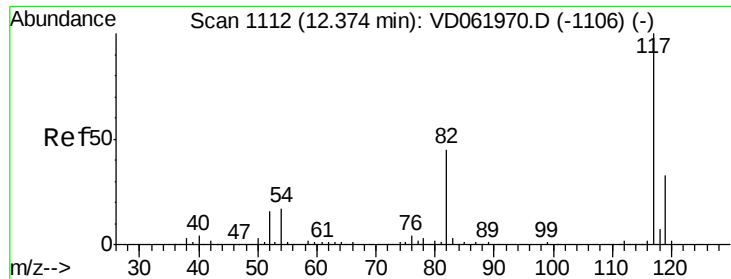
Tot Ion:107 Resp: 92466
 Ion Ratio Lower Upper
 107 100
 109 100.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.614 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 95 Resp: 276995
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 181.8
 176 77.2 0.0 174.4

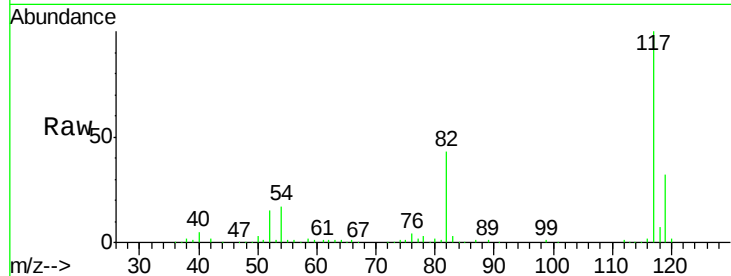




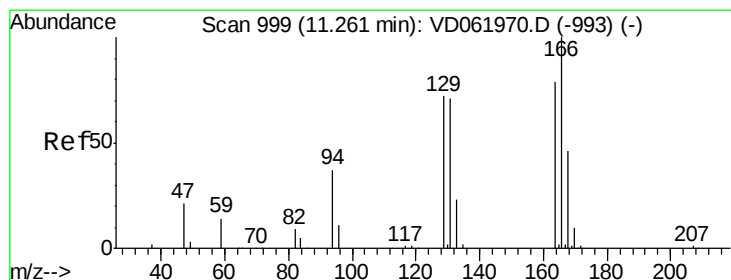
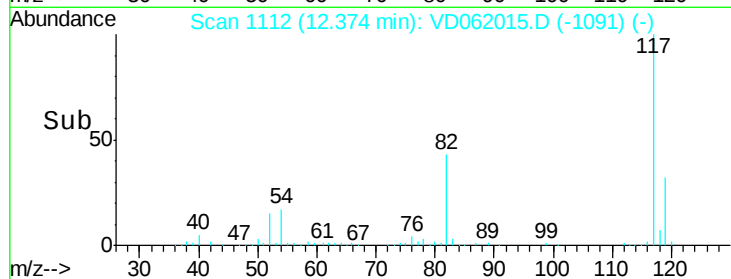
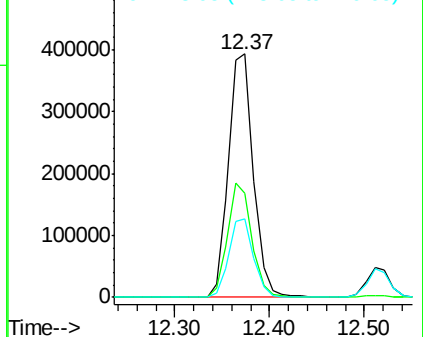
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion:117 Resp: 717574
Ion Ratio Lower Upper
117 100
82 42.6 36.2 54.2
119 32.3 26.2 39.4

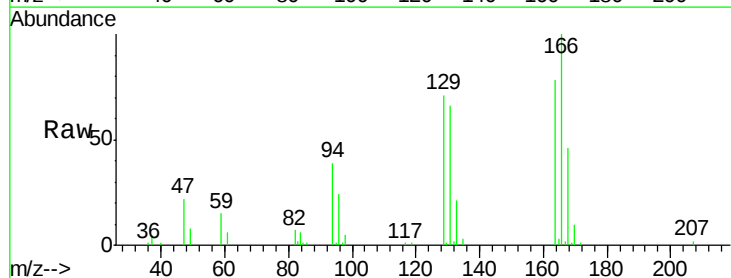


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

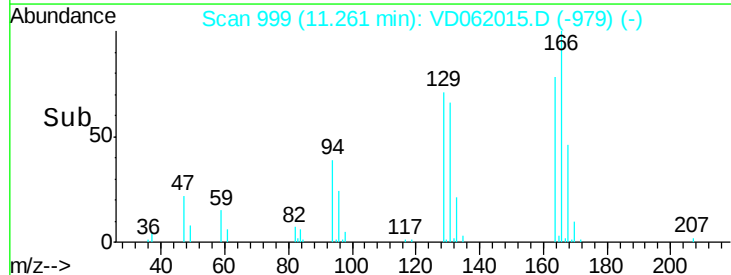
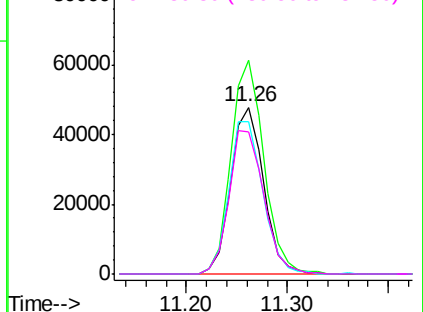


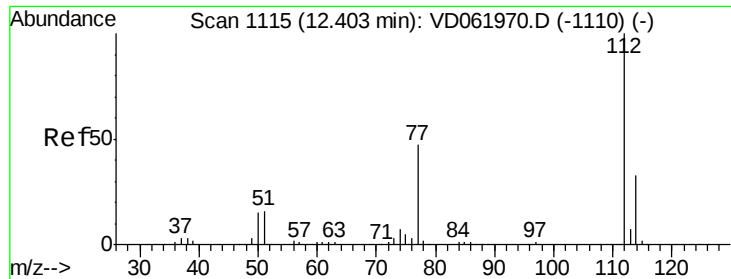
#64
Tetrachloroethene
Concen: 21.015 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion:164 Resp: 107575
Ion Ratio Lower Upper
164 100
166 128.3 101.5 152.3
129 91.6 74.6 112.0
131 85.1 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

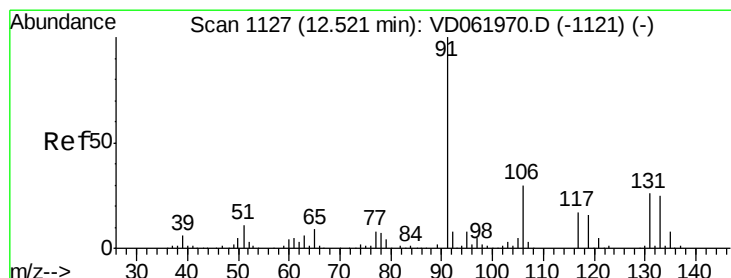
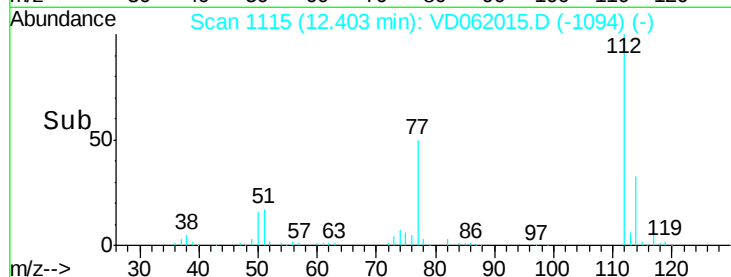
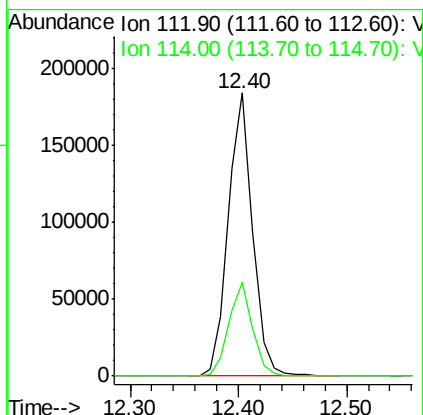
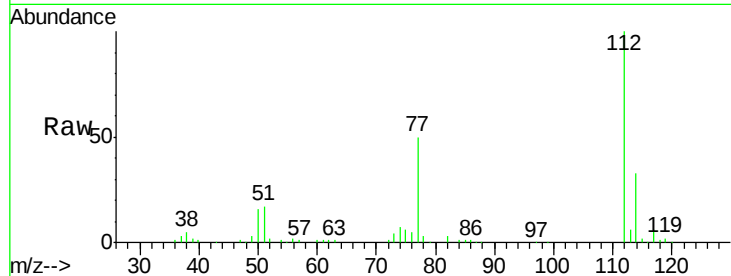




#65
Chlorobenzene
Concen: 21.291 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

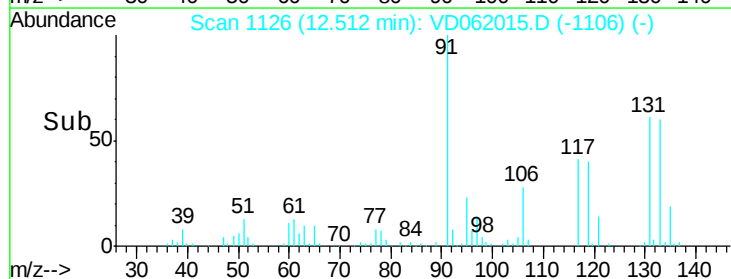
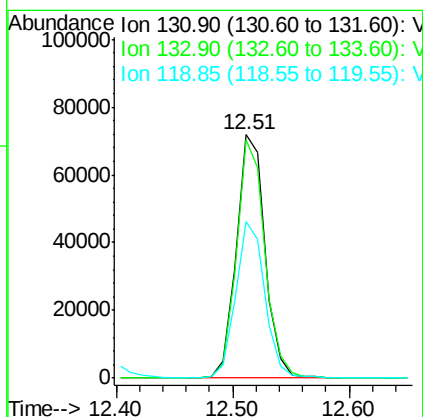
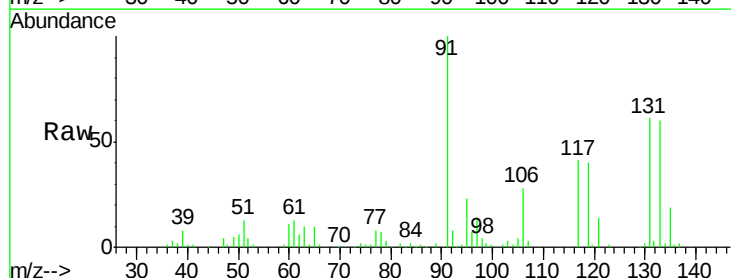
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion:112 Resp: 288699
Ion Ratio Lower Upper
112 100
114 33.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.216 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion:131 Resp: 122026
Ion Ratio Lower Upper
131 100
133 97.7 48.6 145.8
119 64.6 34.7 104.1

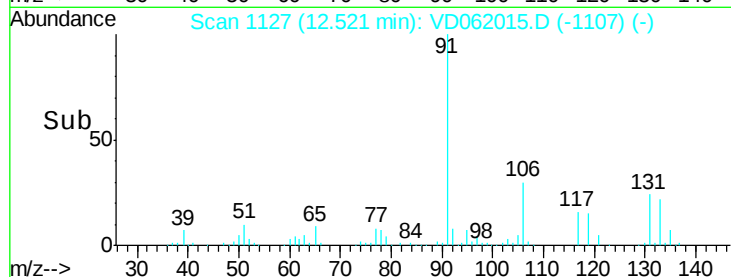
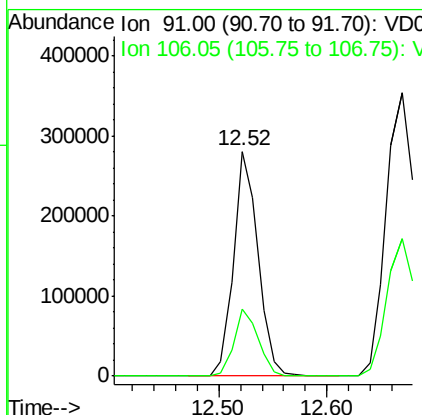
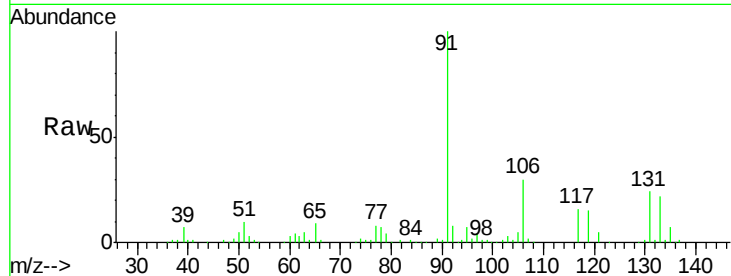




#67
Ethyl Benzene
Concen: 19.985 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

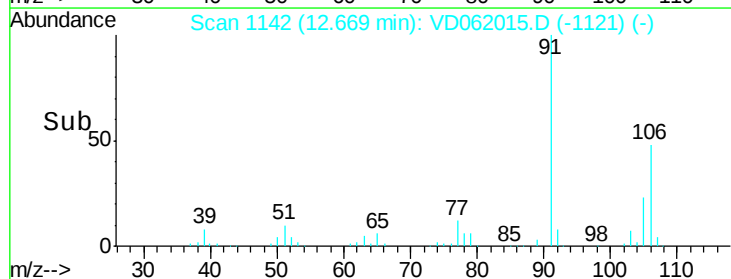
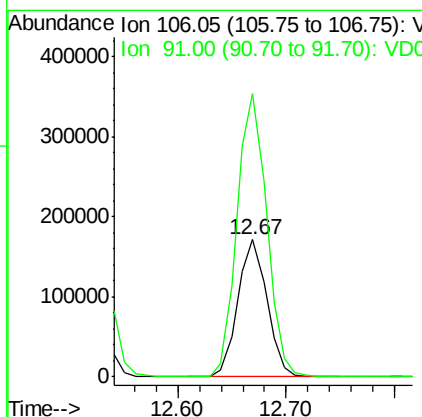
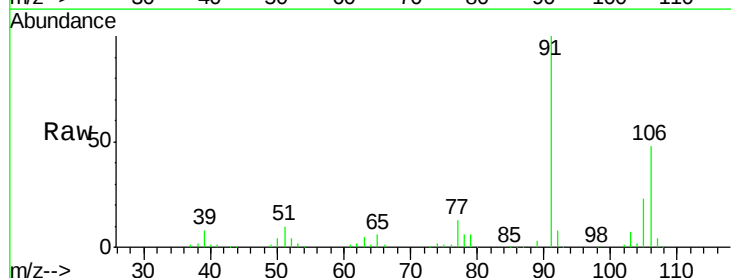
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

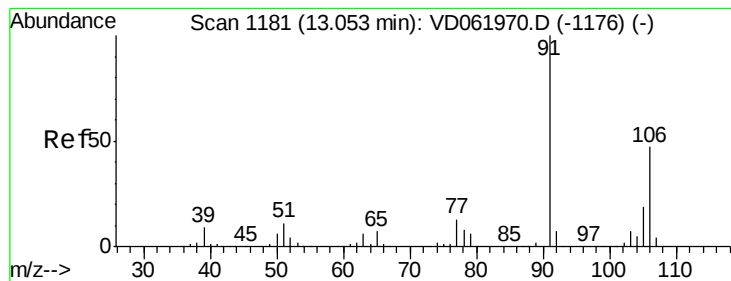
Tot Ion: 91 Resp: 442293
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1



#68
m/p-Xylenes
Concen: 40.354 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 106 Resp: 322792
Ion Ratio Lower Upper
106 100
91 206.2 164.0 246.0





#69

o-Xylene

Concen: 22.405 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

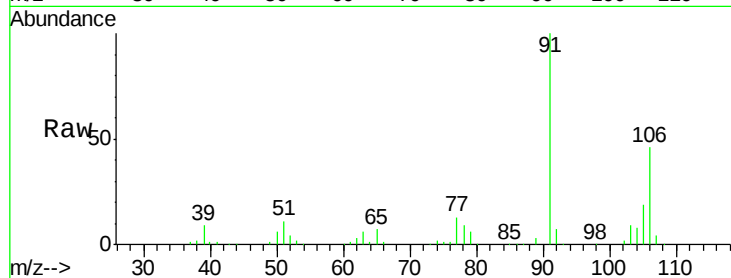
VD0424SBS02

Tot Ion:106 Resp: 163978

Ion Ratio Lower Upper

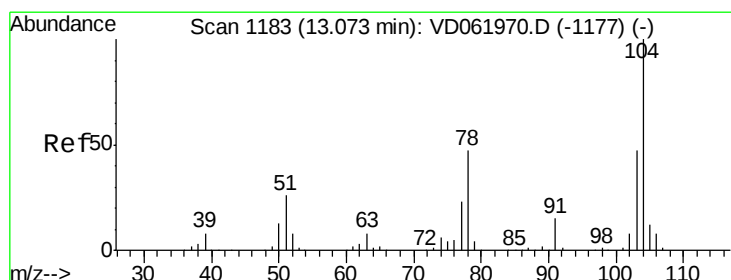
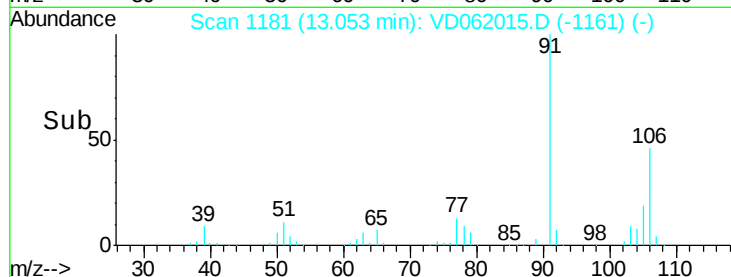
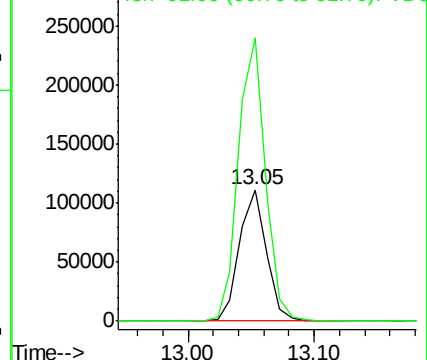
106 100

91 215.1 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 21.961 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

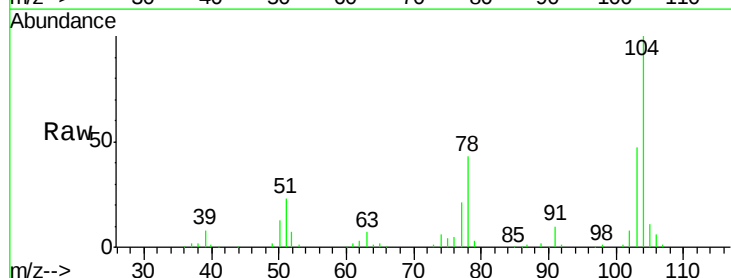
Tgt Ion:104 Resp: 277530

Ion Ratio Lower Upper

104 100

78 43.5 35.4 53.2

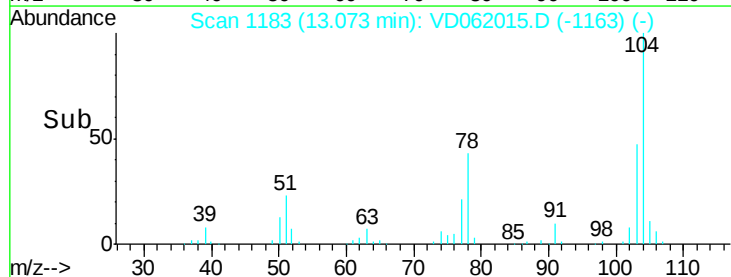
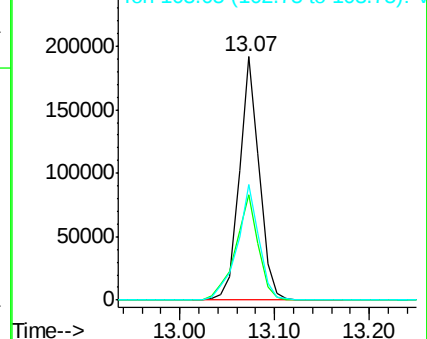
103 47.5 37.5 56.3

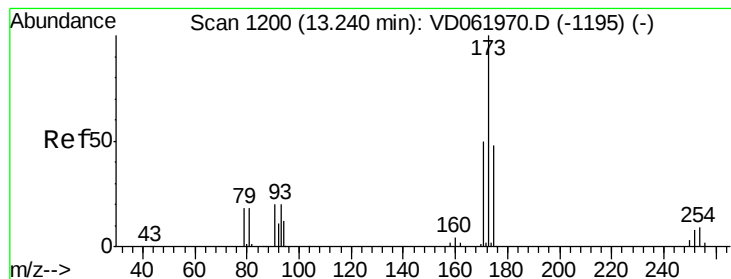


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 22.758 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

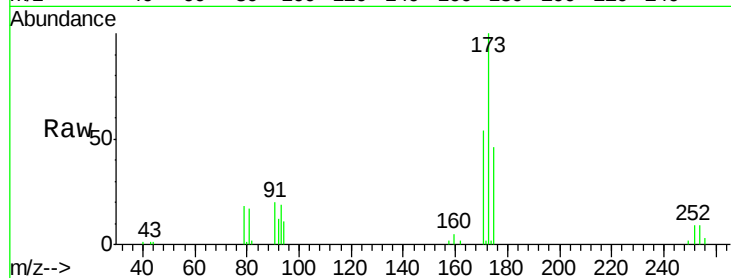
Tot Ion:173 Resp: 74625

Ion Ratio Lower Upper

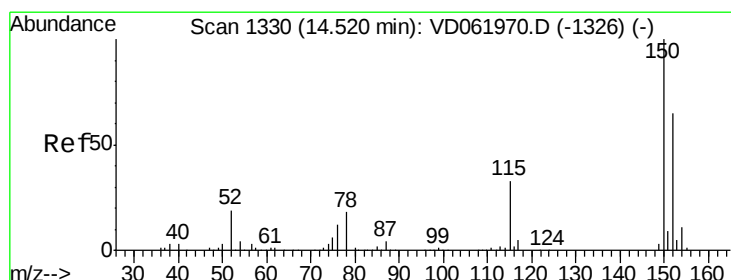
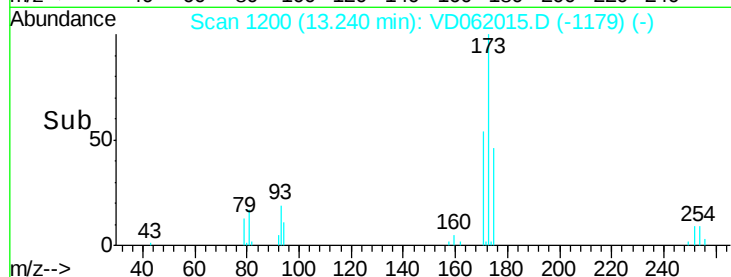
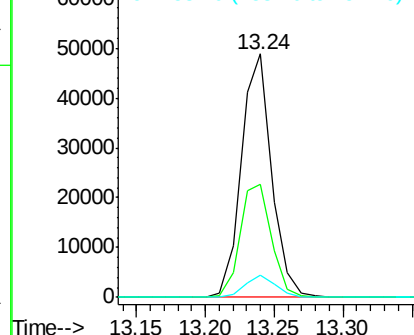
173 100

175 46.3 24.4 73.4

254 9.3 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

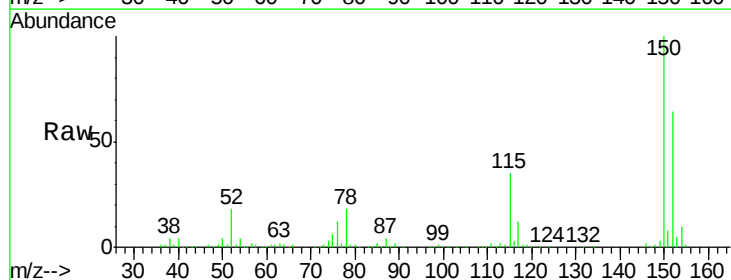
Tgt Ion:152 Resp: 307157

Ion Ratio Lower Upper

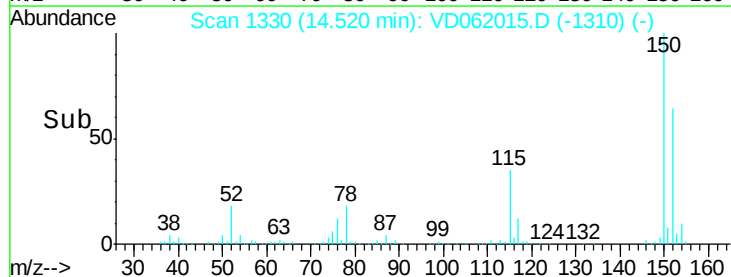
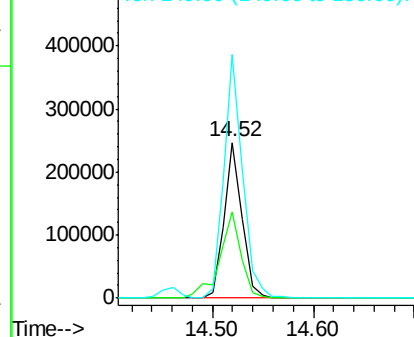
152 100

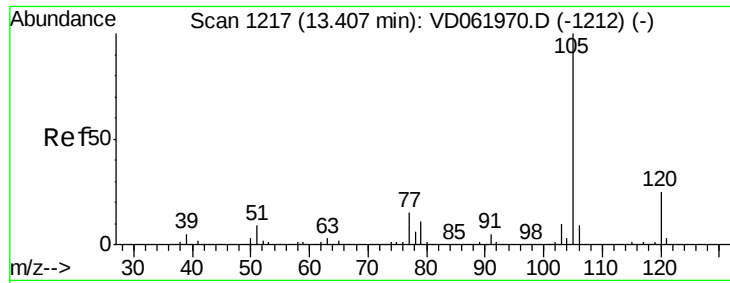
115 55.1 30.9 92.7

150 156.7 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.704 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

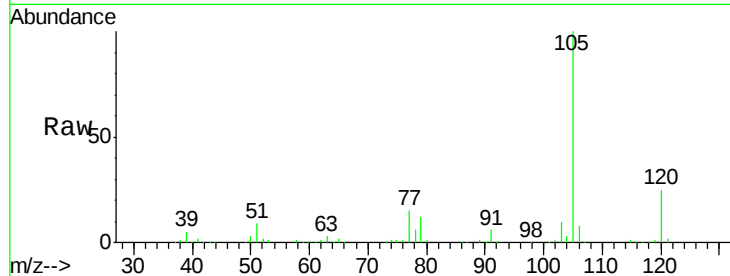
VD0424SBS02

Tot Ion:105 Resp: 424222

Ion Ratio Lower Upper

105 100

120 25.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

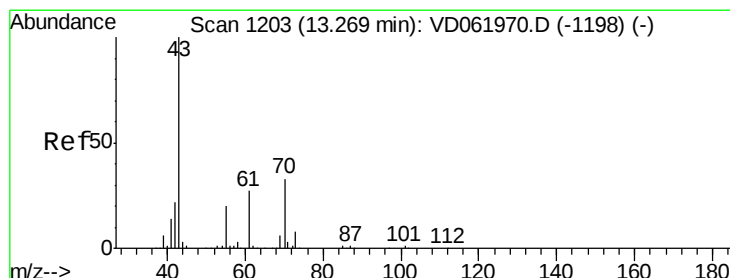
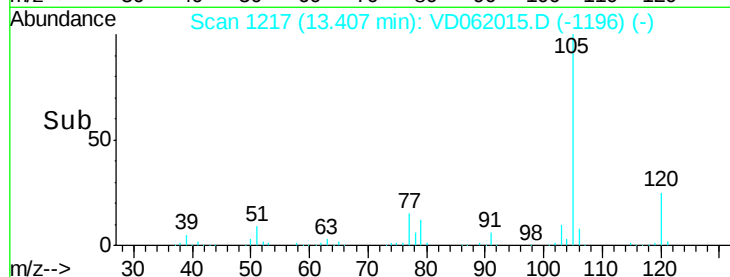
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 23.745 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Tgt Ion: 43 Resp: 125295

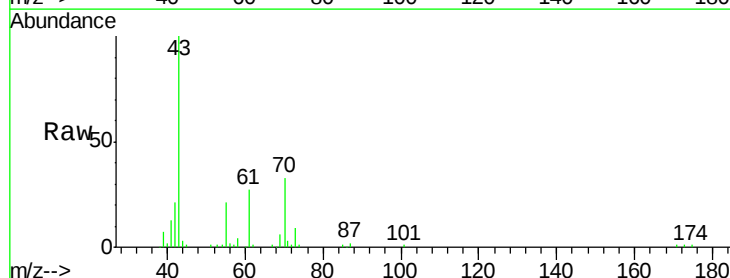
Ion Ratio Lower Upper

43 100

70 32.6 24.2 36.4

55 20.7 16.0 24.0

61 27.0 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

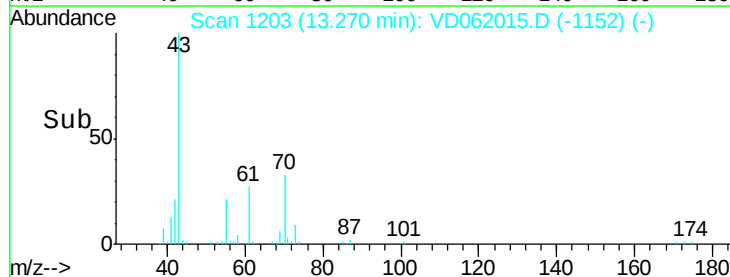
Ion 60.95 (60.65 to 61.65): V

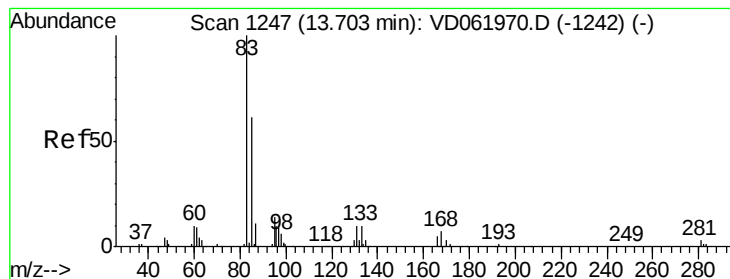
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.839 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

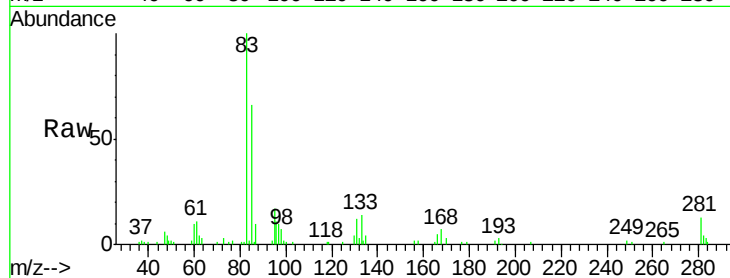
Tot Ion: 83 Resp: 91702

Ion Ratio Lower Upper

83 100

131 11.8 5.0 14.9

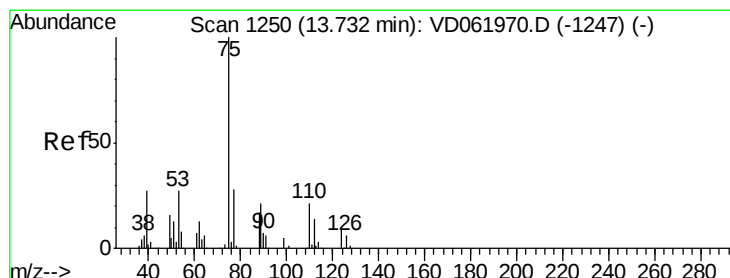
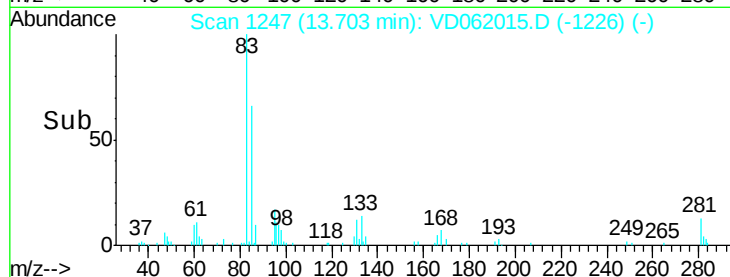
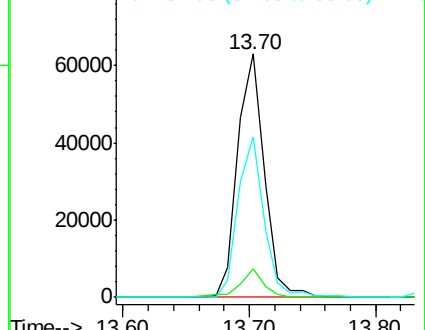
85 65.7 32.6 97.7



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: 24.765 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062015.D

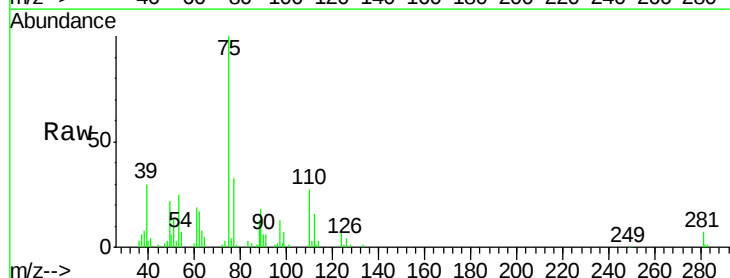
Acq: 25 Apr 2019 2:36

Tgt Ion: 75 Resp: 96593

Ion Ratio Lower Upper

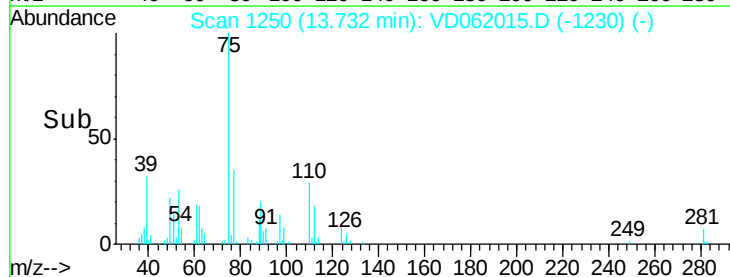
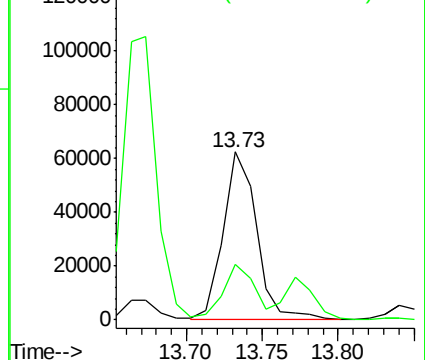
75 100

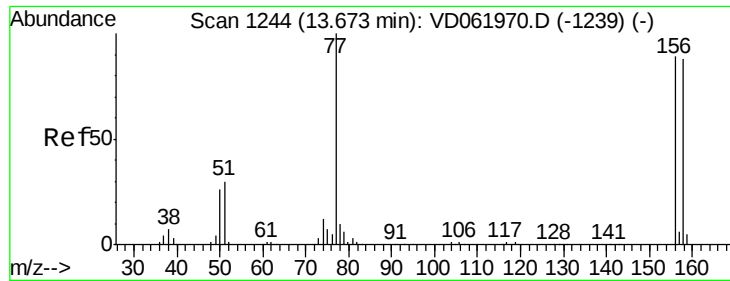
77 33.0 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.272 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

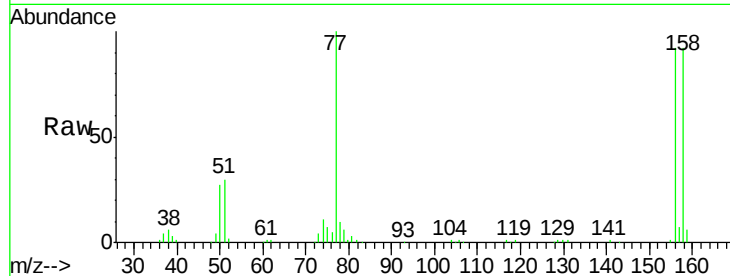
Tot Ion:156 Resp: 130910

Ion Ratio Lower Upper

156 100

77 108.2 53.1 159.4

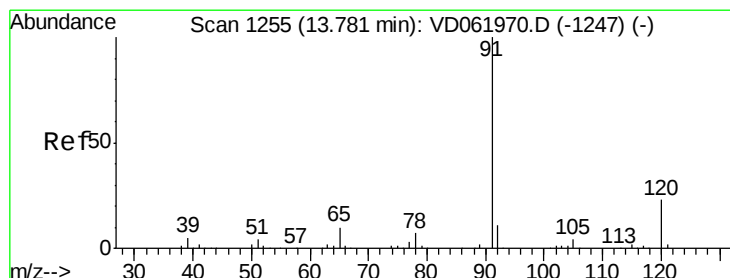
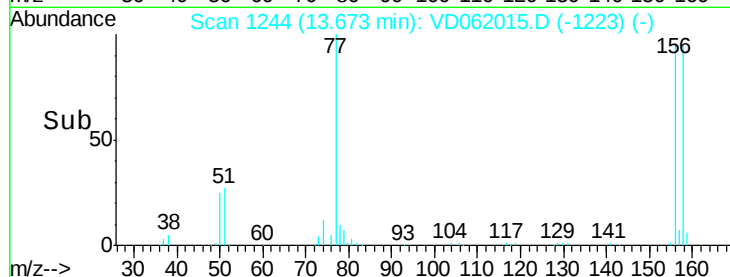
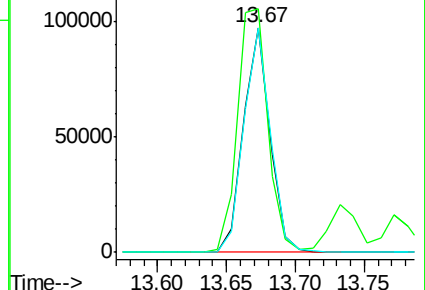
158 99.5 49.4 148.0



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: 24.958 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062015.D

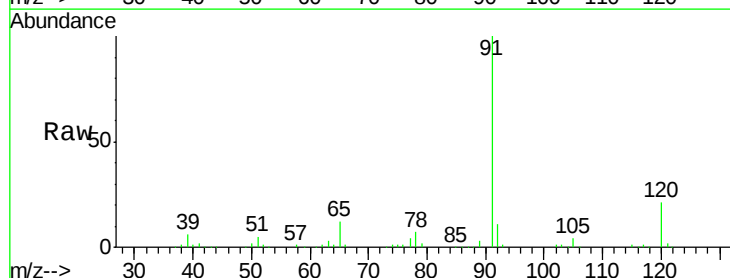
Acq: 25 Apr 2019 2:36

Tgt Ion: 91 Resp: 585396

Ion Ratio Lower Upper

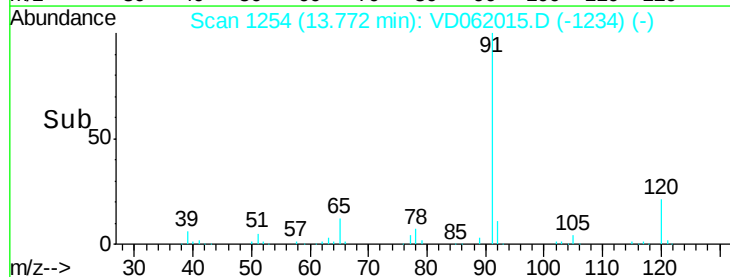
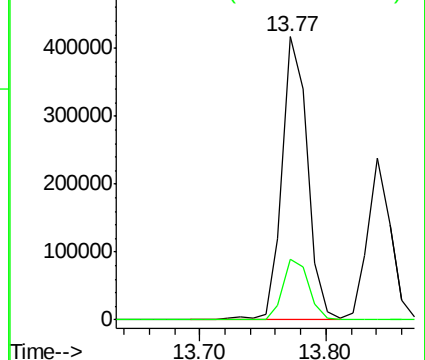
91 100

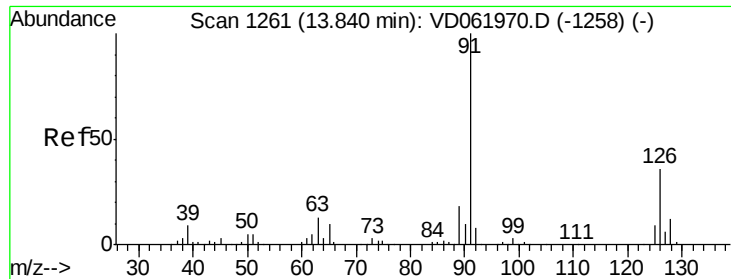
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.556 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

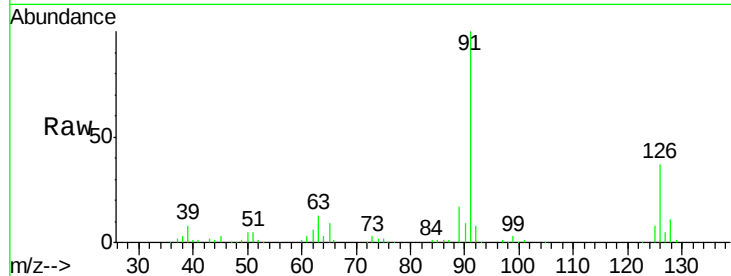
VD0424SBS02

Tot Ion: 91 Resp: 306251

Ion Ratio Lower Upper

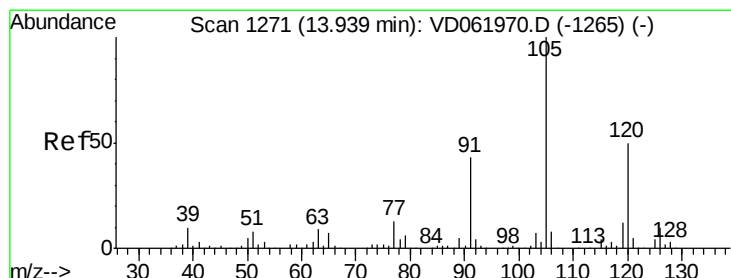
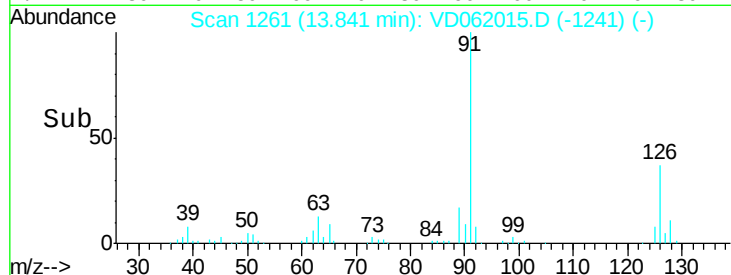
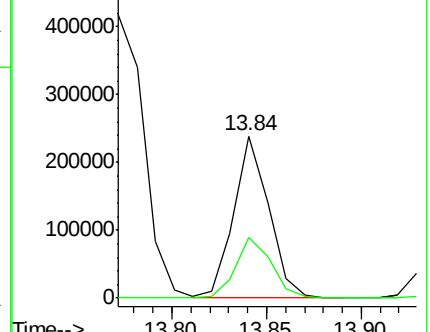
91 100

126 37.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.702 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062015.D

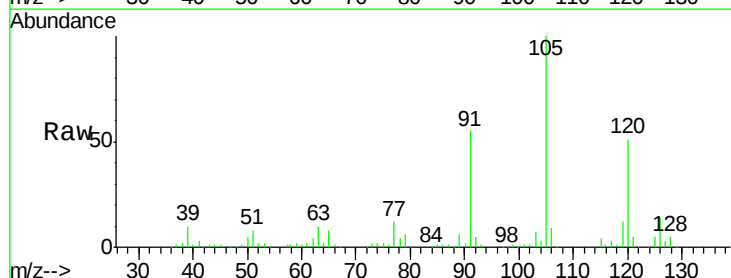
Acq: 25 Apr 2019 2:36

Tgt Ion:105 Resp: 387236

Ion Ratio Lower Upper

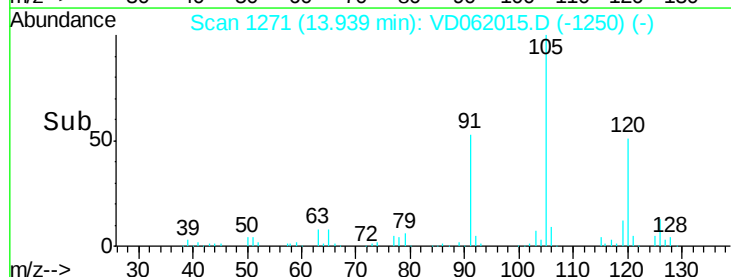
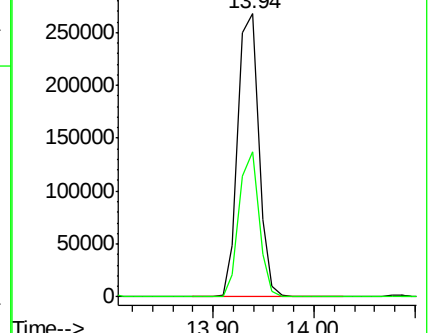
105 100

120 51.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

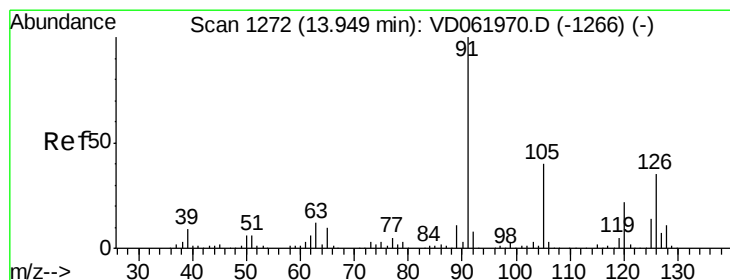
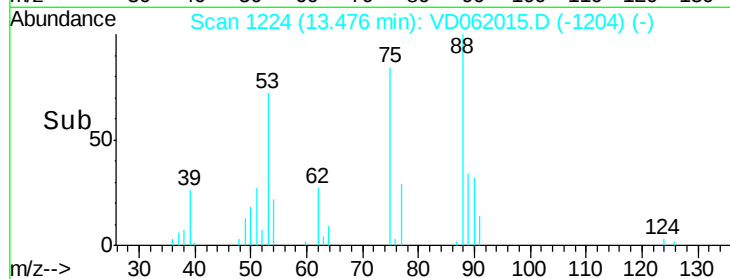
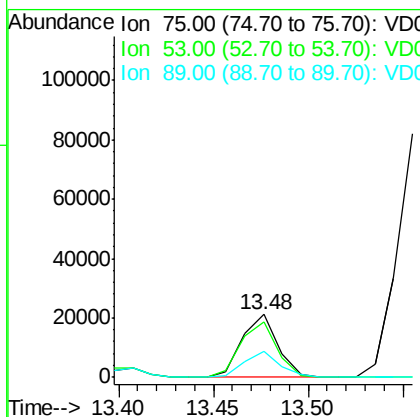
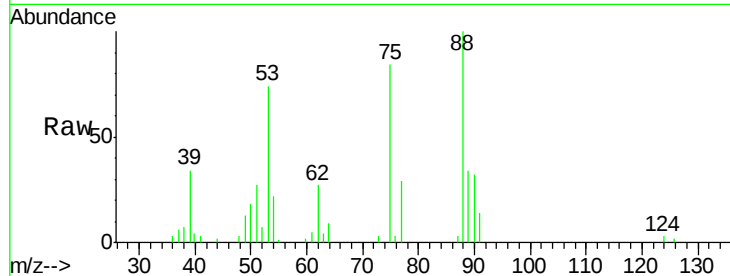




#81
trans-1,4-Dichloro-2-butene
Concen: 23.609 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

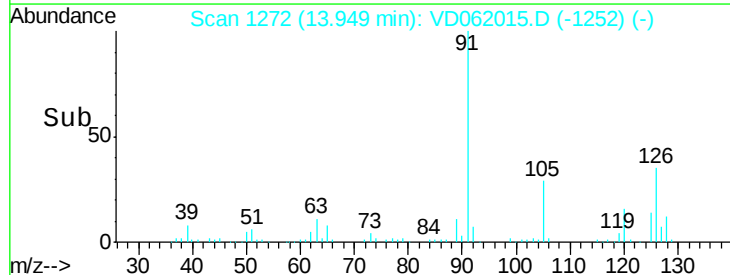
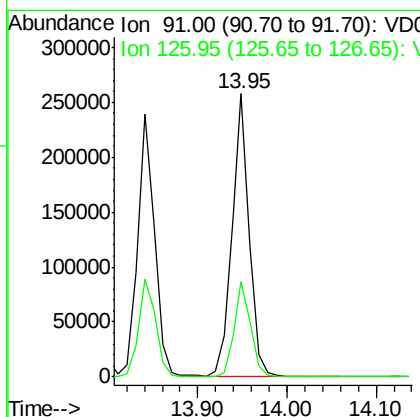
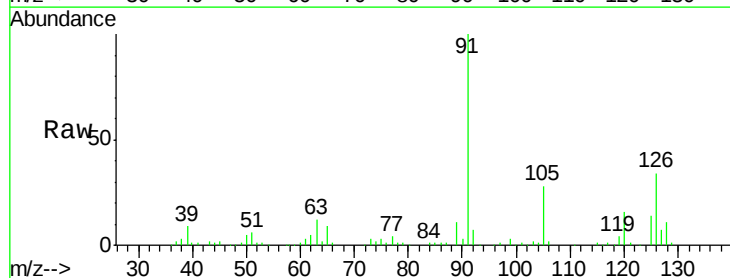
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion: 75 Resp: 27906
Ion Ratio Lower Upper
75 100
53 87.5 65.8 98.8
89 40.8 35.0 52.6



#82
4-Chlorotoluene
Concen: 22.368 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion: 91 Resp: 349970
Ion Ratio Lower Upper
91 100
126 33.8 19.1 57.5





#83

tert-Butylbenzene

Concen: 20.129 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

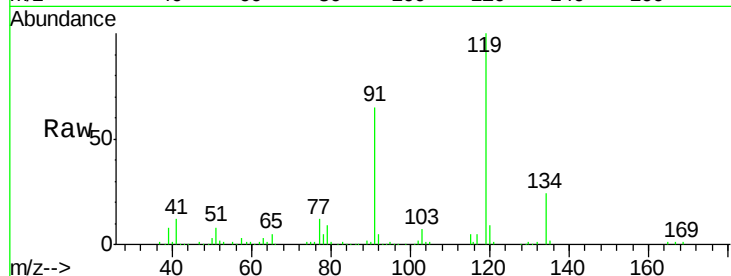
Tot Ion:119 Resp: 380960

Ion Ratio Lower Upper

119 100

91 65.4 34.2 102.6

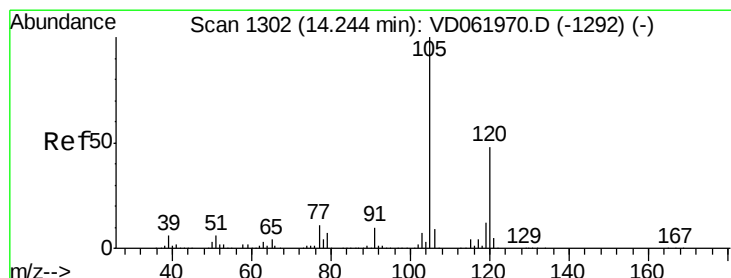
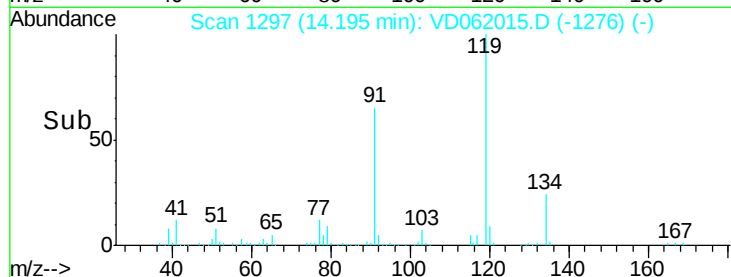
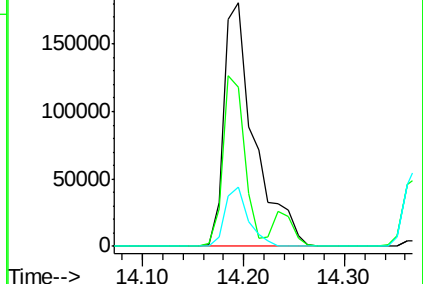
134 24.3 12.0 36.0



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: 23.817 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD062015.D

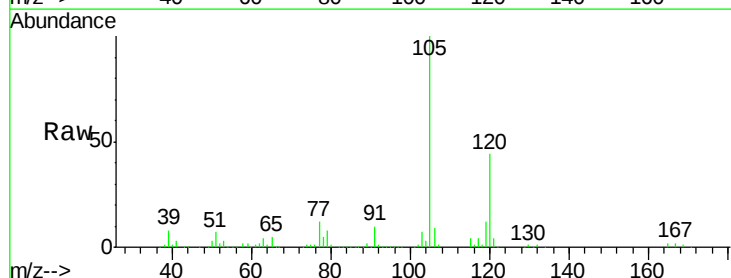
Acq: 25 Apr 2019 2:36

Tgt Ion:105 Resp: 371539

Ion Ratio Lower Upper

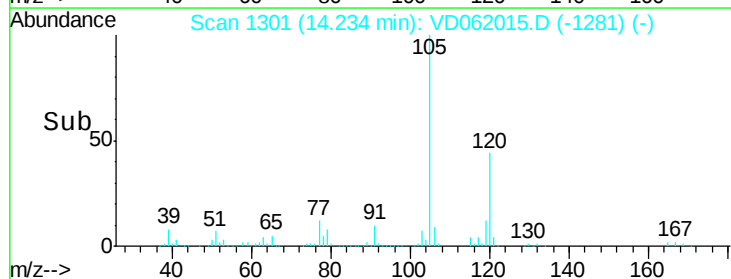
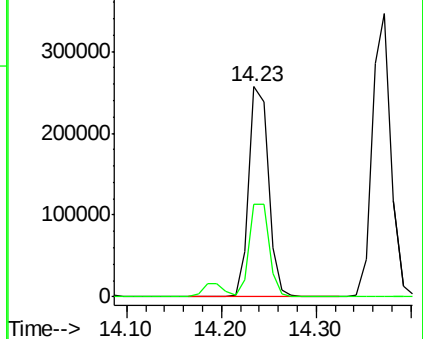
105 100

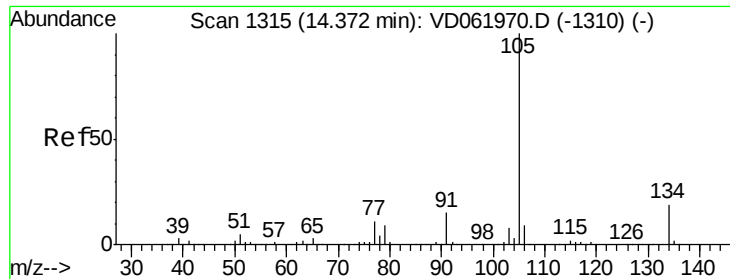
120 44.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 23.617 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

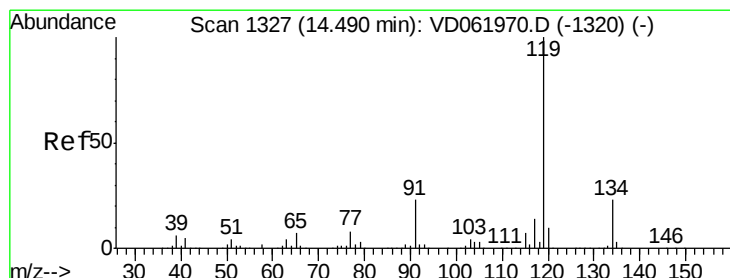
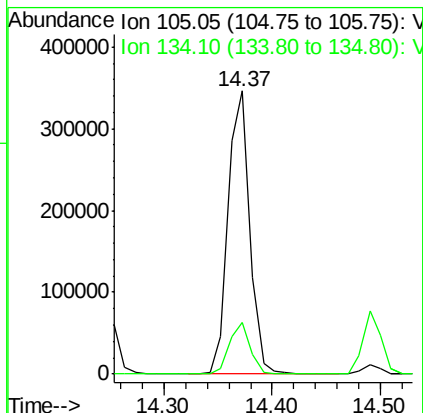
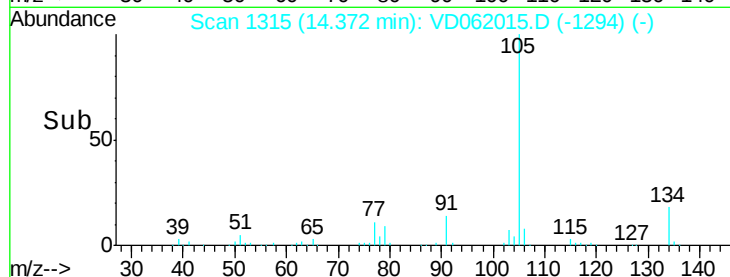
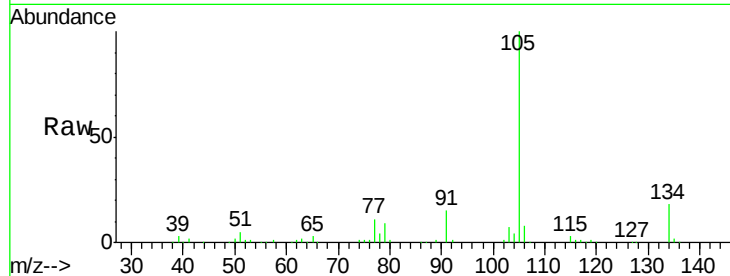
VD0424SBS02

Tot Ion:105 Resp: 482966

Ion Ratio Lower Upper

105 100

134 18.1 8.9 26.7



#86

p-Isopropyltoluene

Concen: 20.662 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

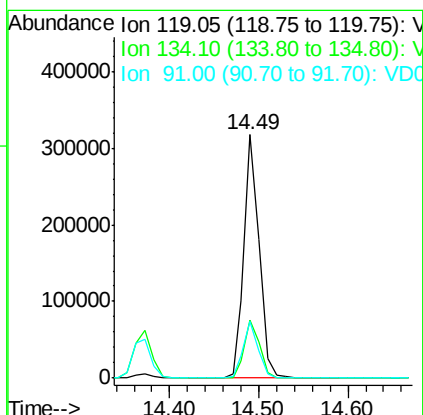
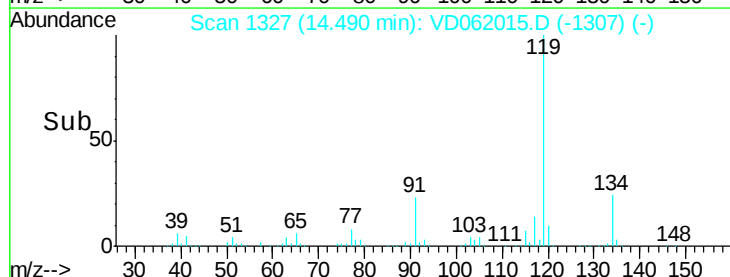
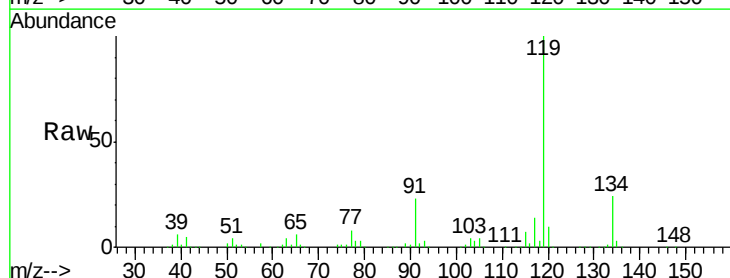
Tgt Ion:119 Resp: 378152

Ion Ratio Lower Upper

119 100

134 24.1 12.8 38.3

91 23.2 10.7 32.1

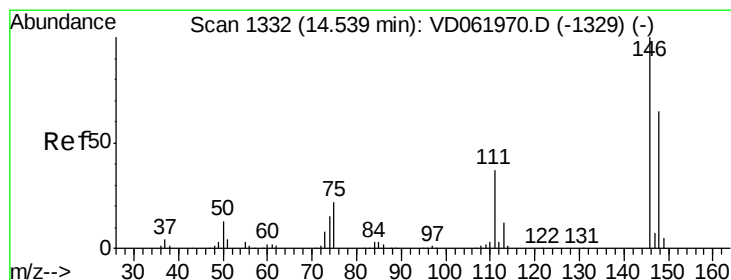
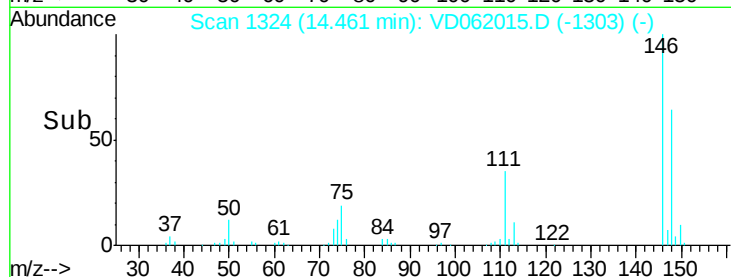
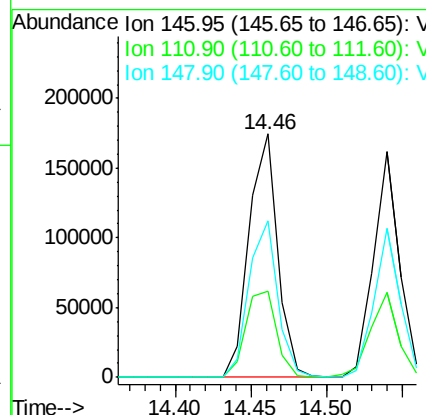
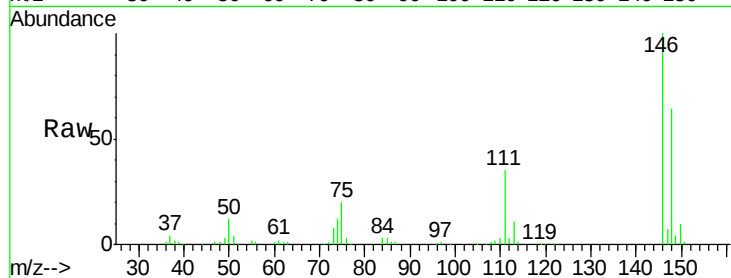




#87
 1,3-Dichlorobenzene
 Concen: 22.408 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

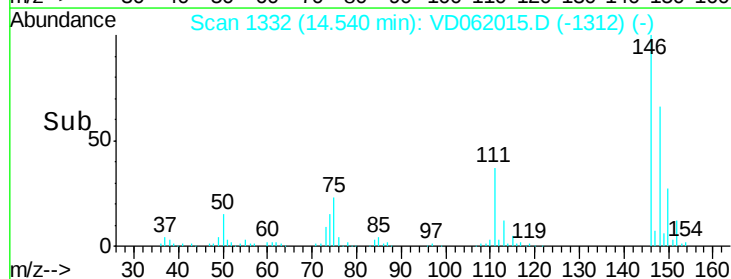
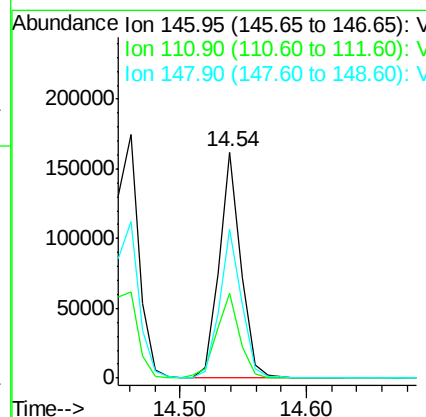
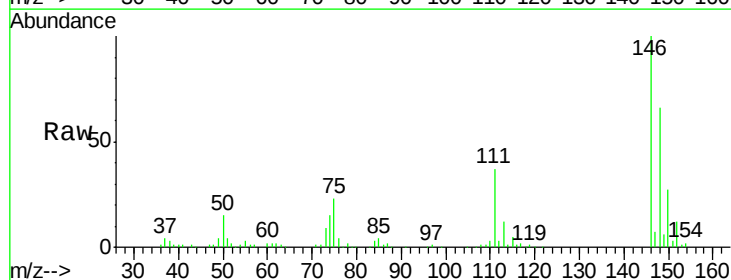
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

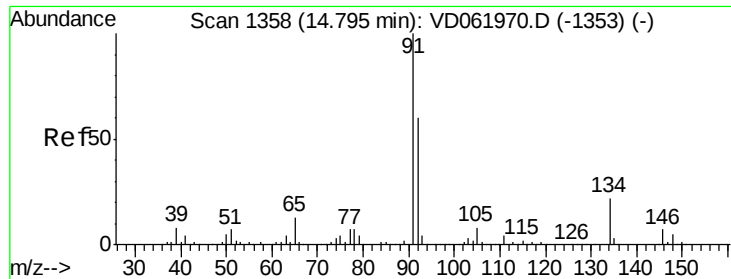
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	20.0	60.0
148	64.2	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.277 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.2	60.5
148	66.0	32.0	96.2





#89

n-Butylbenzene

Concen: 20.987 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062015.D

Acq: 25 Apr 2019 2:36

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS02

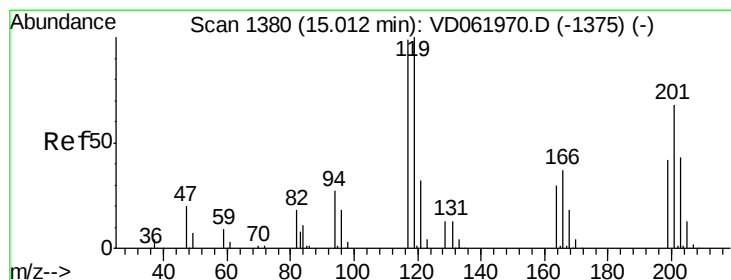
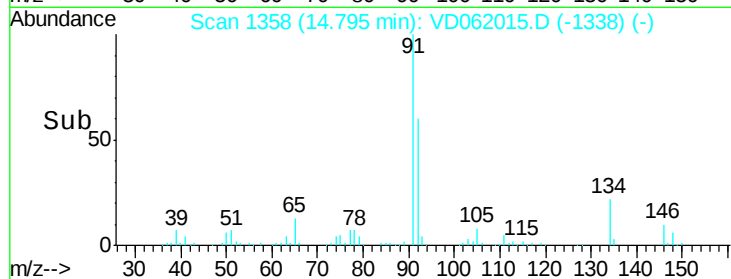
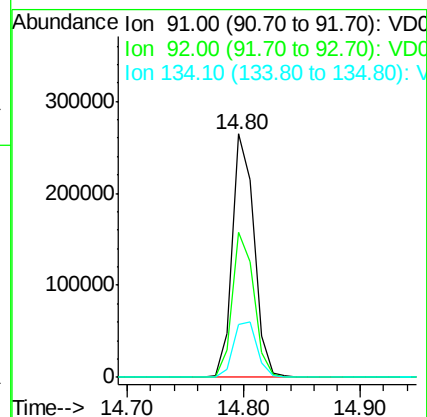
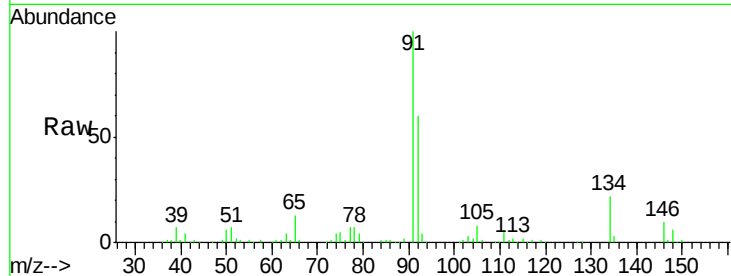
Tot Ion: 91 Resp: 344835

Ion Ratio Lower Upper

91 100

92 59.6 30.3 91.0

134 21.6 14.5 43.6



#90

Hexachloroethane

Concen: 22.007 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD062015.D

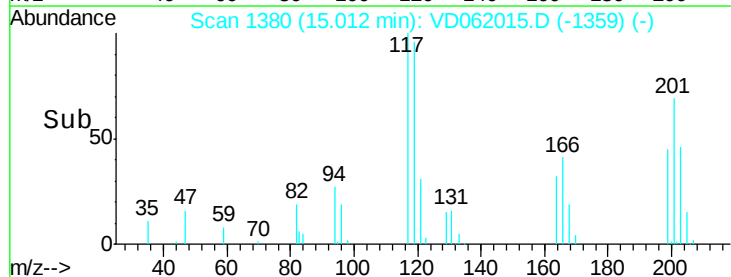
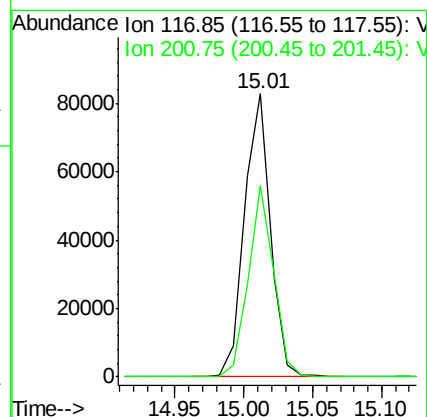
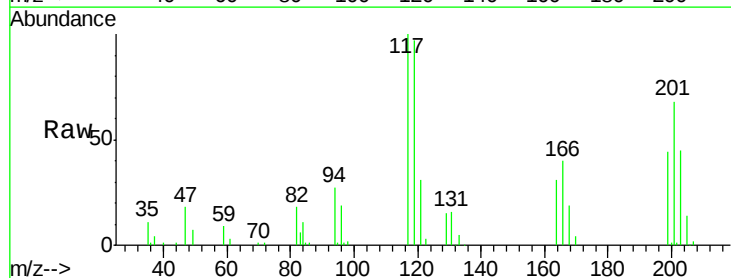
Acq: 25 Apr 2019 2:36

Tgt Ion: 117 Resp: 108913

Ion Ratio Lower Upper

117 100

201 67.6 30.2 90.6

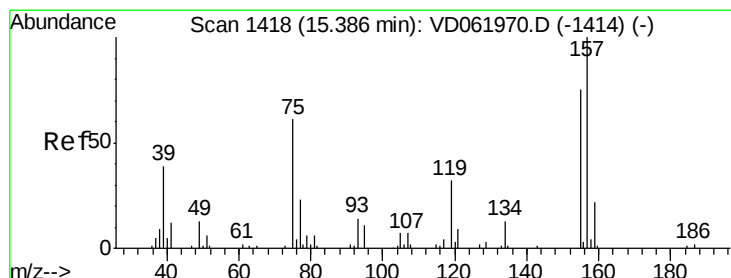
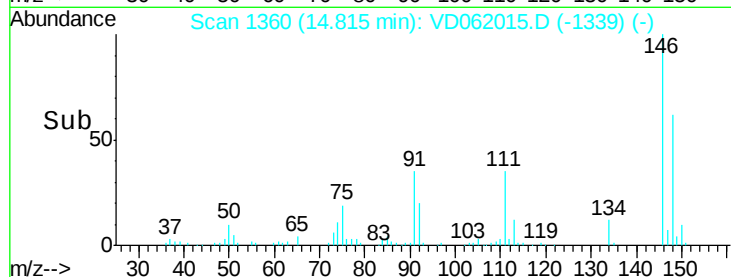
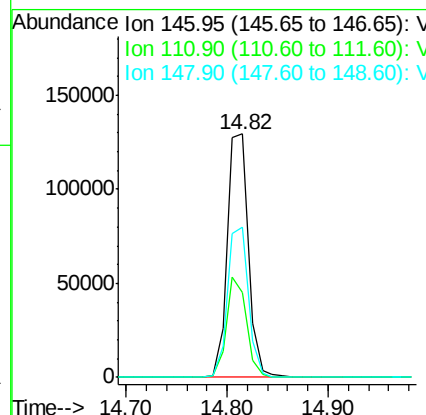
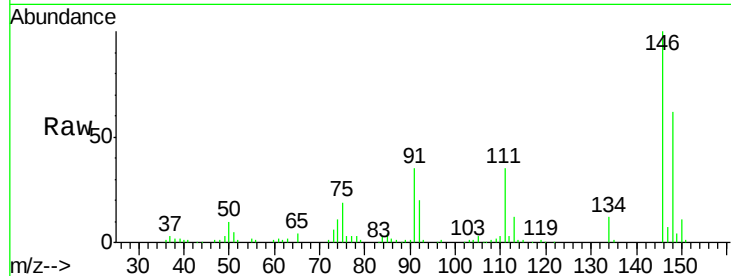




#91
 1,2-Dichlorobenzene
 Concen: 22.282 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

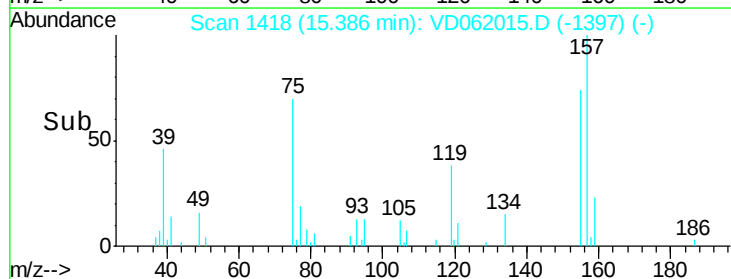
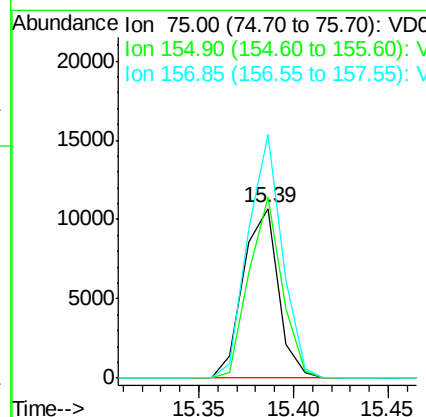
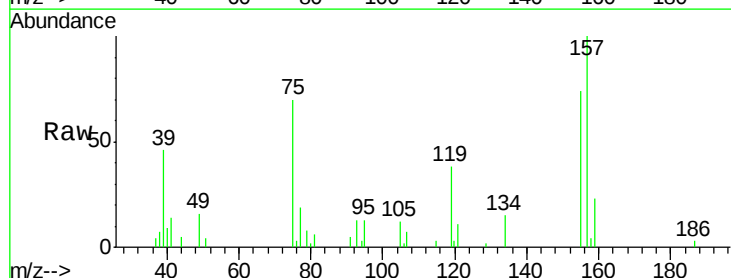
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

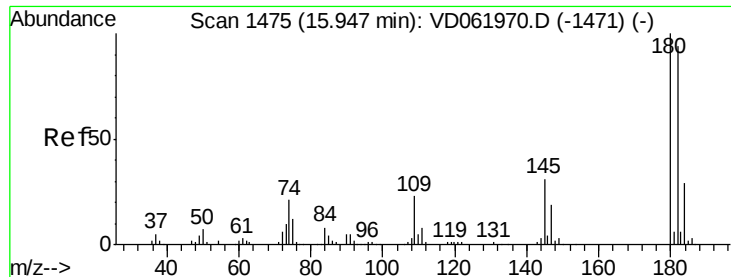
Tot Ion:146 Resp: 189192
 Ion Ratio Lower Upper
 146 100
 111 35.0 20.0 59.9
 148 61.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.373 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion: 75 Resp: 13612
 Ion Ratio Lower Upper
 75 100
 155 106.7 55.3 165.8
 157 143.4 67.8 203.2

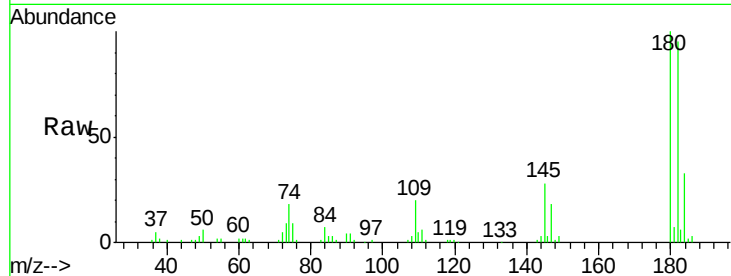




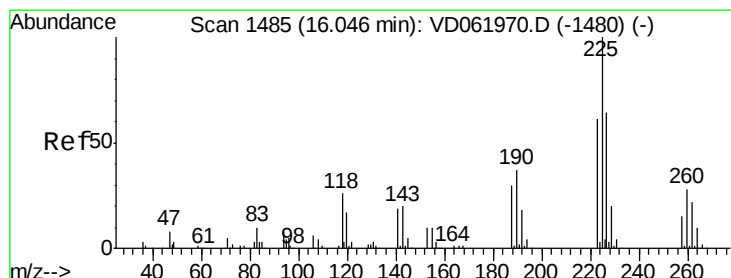
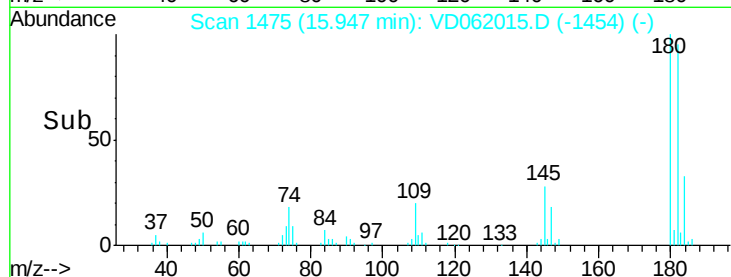
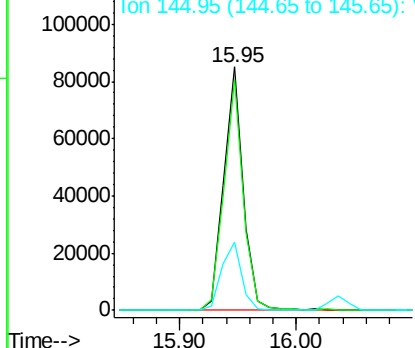
#93
 1,2,4-Trichlorobenzene
 Concen: 21.501 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

Tot Ion:180 Resp: 98499
 Ion Ratio Lower Upper
 180 100
 182 94.8 49.3 147.8
 145 28.2 16.2 48.6

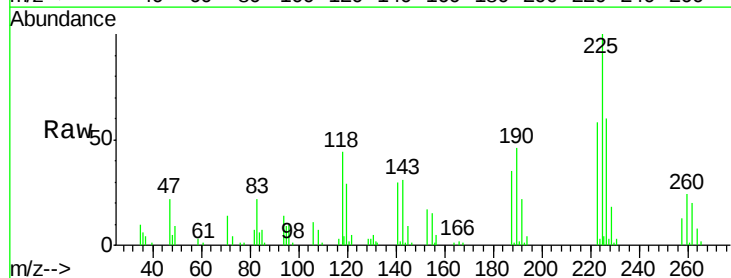


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

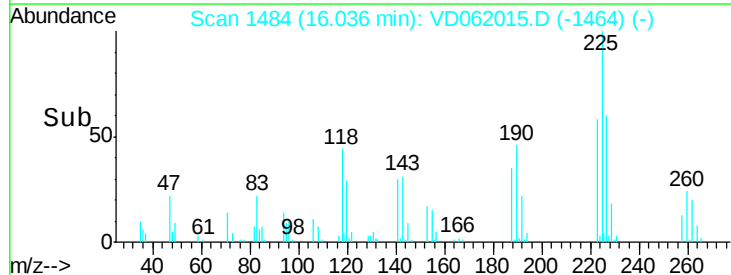
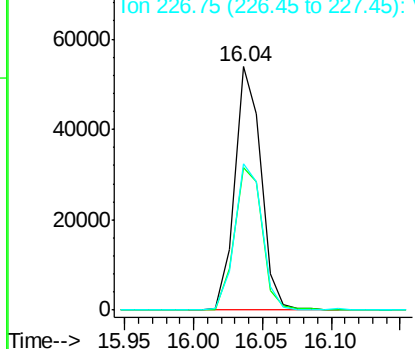


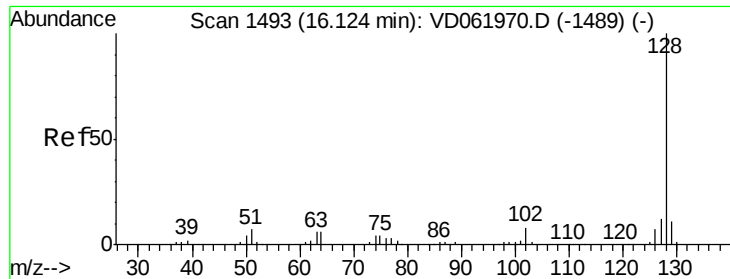
#94
 Hexachlorobutadiene
 Concen: 21.128 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062015.D
 Acq: 25 Apr 2019 2:36

Tgt Ion:225 Resp: 71628
 Ion Ratio Lower Upper
 225 100
 223 58.5 30.6 92.0
 227 59.9 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

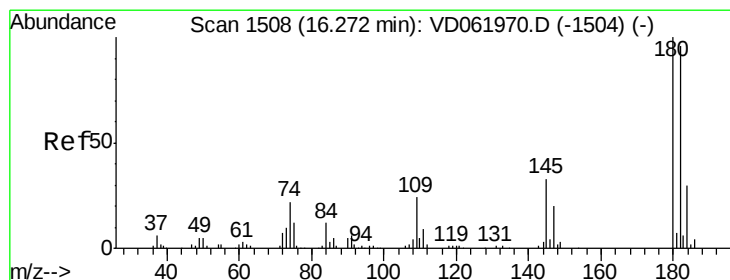
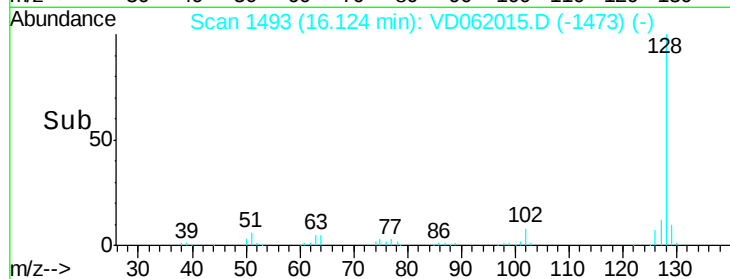
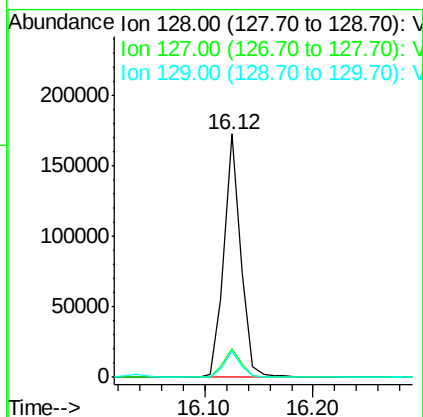
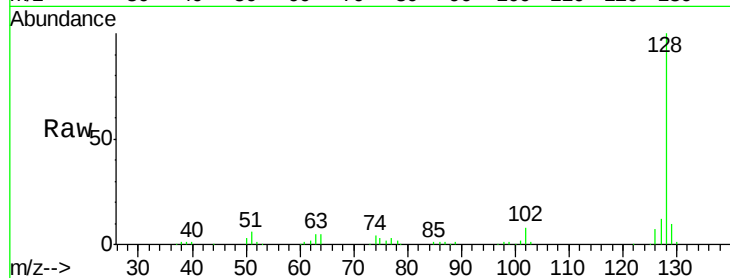




#95
Naphthalene
Concen: 25.352 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS02

Tot Ion:128 Resp: 187526
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.467 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062015.D
Acq: 25 Apr 2019 2:36

Tgt Ion:180 Resp: 68795
Ion Ratio Lower Upper
180 100
182 94.8 47.0 141.0
145 32.4 17.0 51.0

