

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\NOT REVIEWED DATA\
 Data File : VD062016.D
 Acq On : 25 Apr 2019 3:05
 Operator : VA/AP
 Sample : VD0424SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 05:09:19 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	528834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	886445	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	742020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	367006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	245076	59.21	ug/l	0.00
Spiked Amount			Recovery	=	118.42%	
35) Dibromofluoromethane	6.93	113	342491	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	10.41	98	790867	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	13.56	95	331456	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	82419	17.454	ug/l	98
3) Chloromethane	1.75	50	70466	17.558	ug/l	100
4) Vinyl Chloride	1.85	62	64441	17.715	ug/l	93
5) Bromomethane	2.15	94	18807	17.044	ug/l	95
6) Chloroethane	2.26	64	22118	16.821	ug/l	94
7) Trichlorofluoromethane	2.52	101	114059	20.738	ug/l	95
8) Diethyl Ether	2.87	74	26016	17.649	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	100610	19.857	ug/l	99
10) Methyl Iodide	3.31	142	121787	19.493	ug/l	98
11) Tert butyl alcohol	4.07	59	25436	108.769	ug/l	98
12) 1,1-Dichloroethene	3.13	96	84165	19.525	ug/l	97
13) Acrolein	3.04	56	22800	93.967	ug/l	87
14) Allyl chloride	3.62	41	114836	19.510	ug/l	98
15) Acrylonitrile	4.20	53	79915	110.359	ug/l	93
16) Acetone	3.22	43	87232	88.268	ug/l	97
17) Carbon Disulfide	3.38	76	213294	17.123	ug/l	99
18) Methyl Acetate	3.64	43	41001	21.650	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	186460	21.801	ug/l	98
20) Methylene Chloride	3.81	84	114026	21.909	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	96132	19.440	ug/l	97
22) Diisopropyl ether	5.11	45	263420	19.168	ug/l	93
23) Vinyl Acetate	5.05	43	732561	102.362	ug/l	98
24) 1,1-Dichloroethane	4.98	63	163145	19.642	ug/l	98
25) 2-Butanone	6.07	43	127823	106.680	ug/l	97
26) 2,2-Dichloropropane	6.02	77	128421	17.723	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	116163	20.649	ug/l	95
28) Bromochloromethane	6.44	49	74337	23.390	ug/l	94
29) Tetrahydrofuran	6.46	42	65594	111.105	ug/l	98
30) Chloroform	6.67	83	200936	21.299	ug/l	99
31) Cyclohexane	6.95	56	106573	17.286	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	175400	21.368	ug/l	98
36) 1,1-Dichloropropene	7.15	75	142195	20.589	ug/l	97
37) Ethyl Acetate	6.18	43	66341	22.542	ug/l	96
38) Carbon Tetrachloride	7.11	117	170079	19.434	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	126424	18.554	ug/l	98
40) Benzene	7.46	78	331179	19.370	ug/l	98
41) Methacrylonitrile	6.44	41	76107	22.163	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	126680	21.821	ug/l	96
43) Isopropyl Acetate	9.24	43	90237	20.984	ug/l	93
44) Trichloroethene	8.54	130	126081	19.021	ug/l	90
45) 1,2-Dichloropropane	8.93	63	81843	18.868	ug/l	99
46) Dibromomethane	9.06	93	65175	20.882	ug/l	98
47) Bromodichloromethane	9.38	83	146532	19.870	ug/l	99
48) Methyl methacrylate	9.12	41	56401	22.988	ug/l	96
49) 1,4-Dioxane	9.09	88	11985	453.090	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	293520	111.612	ug/l	99
52) Toluene	10.51	92	196258	18.002	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	131474	21.239	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	153255	20.356	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	79179	21.634	ug/l	97
56) Ethyl methacrylate	11.05	69	82092	20.252	ug/l	99
57) 1,3-Dichloropropane	11.41	76	111476	19.721	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	233804	124.059	ug/l	98
59) 2-Hexanone	11.53	43	193136	97.902	ug/l	97
60) Dibromochloromethane	11.69	129	117038	19.326	ug/l	93
61) 1,2-Dibromoethane	11.81	107	85365	19.662	ug/l	95
64) Tetrachloroethene	11.26	164	120317	22.730	ug/l	93
65) Chlorobenzene	12.40	112	294596	21.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	119693	20.124	ug/l	96
67) Ethyl Benzene	12.53	91	447414	19.550	ug/l	98
68) m/p-Xylenes	12.67	106	298324	36.066	ug/l	97
69) o-Xylene	13.05	106	152906	20.204	ug/l	99
70) Styrene	13.08	104	251294	19.230	ug/l	97
71) Bromoform	13.24	173	70976	20.932	ug/l	99
73) Isopropylbenzene	13.40	105	432600	17.670	ug/l	99
74) N-amyl acetate	13.26	43	113559	18.011	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	96641	20.144	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	92829	19.918	ug/l	97
77) Bromobenzene	13.67	156	125370	17.851	ug/l	87
78) n-propylbenzene	13.78	91	496897	17.730	ug/l	100
79) 2-Chlorotoluene	13.85	91	282538	16.644	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	376430	19.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	24203	17.137	ug/l	92
82) 4-Chlorotoluene	13.94	91	346981	18.560	ug/l	88
83) tert-Butylbenzene	14.19	119	401198	17.741	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	299203	16.052	ug/l	98
85) sec-Butylbenzene	14.37	105	431499	17.659	ug/l	98
86) p-Isopropyltoluene	14.50	119	391301	17.894	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	222292	18.074	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	220323	19.156	ug/l	100
89) n-Butylbenzene	14.80	91	312737	15.929	ug/l	97
90) Hexachloroethane	15.01	117	100863	17.057	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	177403	17.487	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11534	18.051	ug/l	93

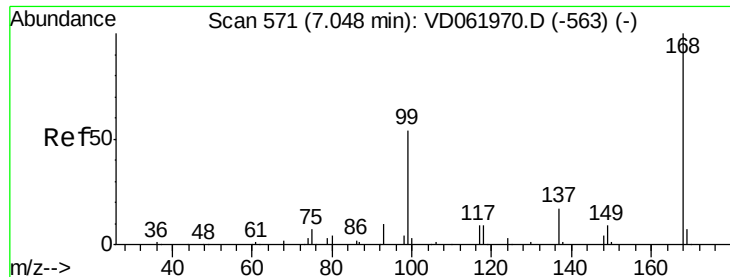
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\NOT REVIEWED DATA\
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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	100413	18.344	ug/l	97
94) Hexachlorobutadiene	16.04	225	71617	17.680	ug/l	98
95) Naphthalene	16.12	128	151445	17.135	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	60608	19.515	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

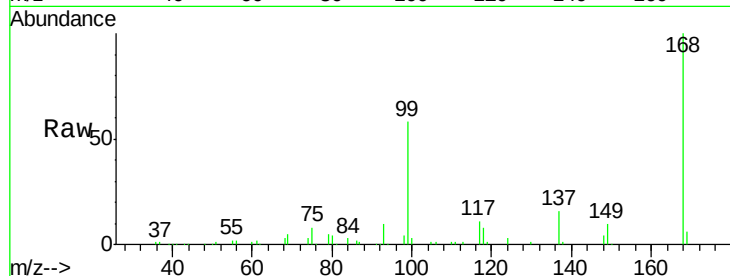
ClientSampled :

Tot Ion:168 Resp: 528834

Ion Ratio Lower Upper

168 100

99 58.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

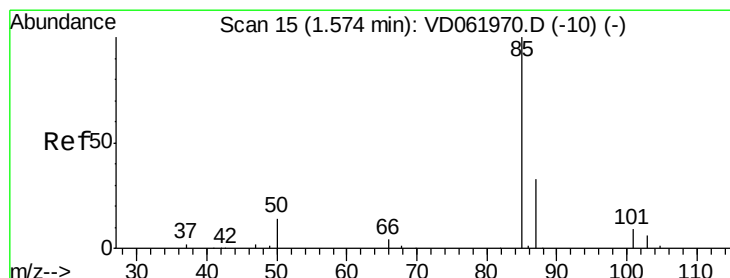
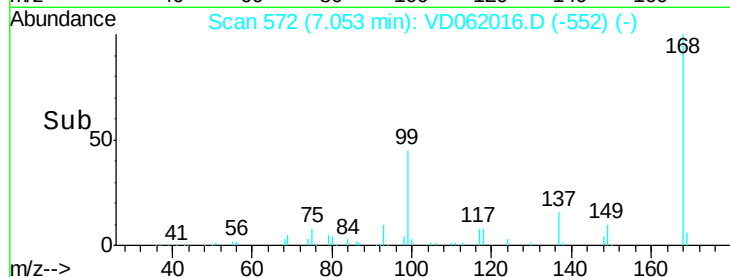
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.454 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062016.D

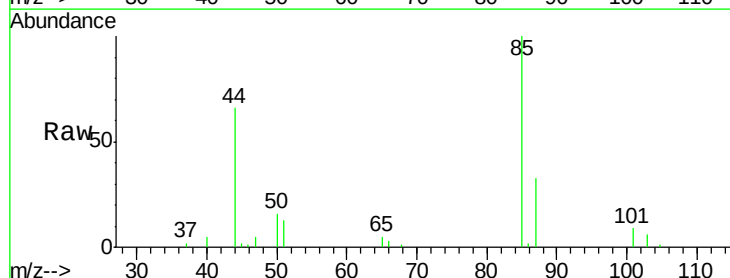
Acq: 25 Apr 2019 3:05

Tgt Ion: 85 Resp: 82419

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

40000

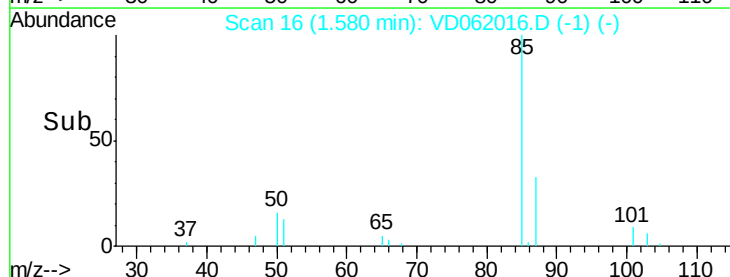
30000

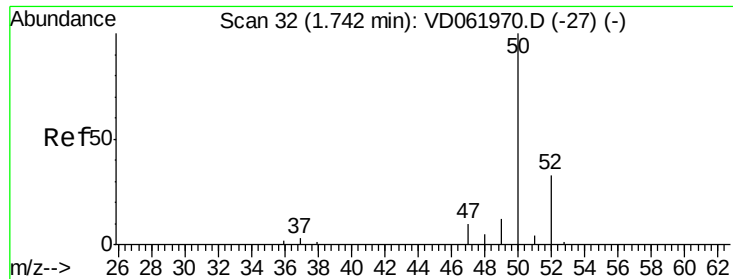
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.558 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

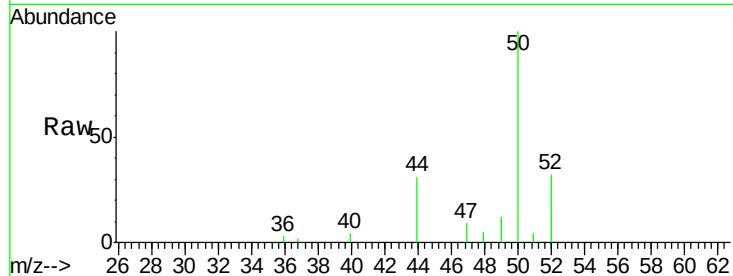
ClientSampleId :

Tot Ion: 50 Resp: 70466

Ion Ratio Lower Upper

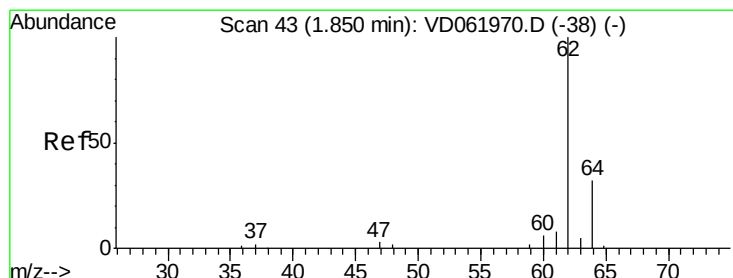
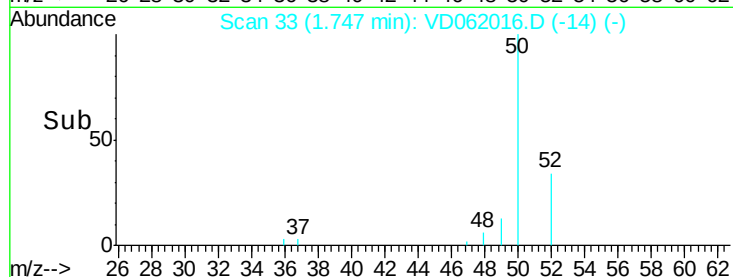
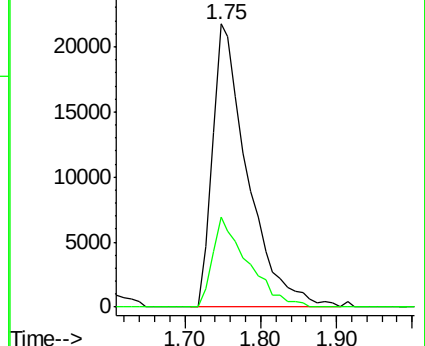
50 100

52 31.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.715 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062016.D

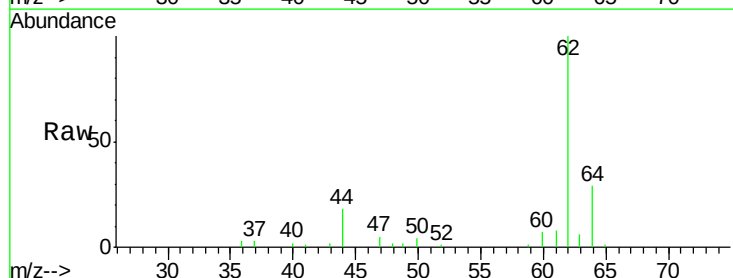
Acq: 25 Apr 2019 3:05

Tgt Ion: 62 Resp: 64441

Ion Ratio Lower Upper

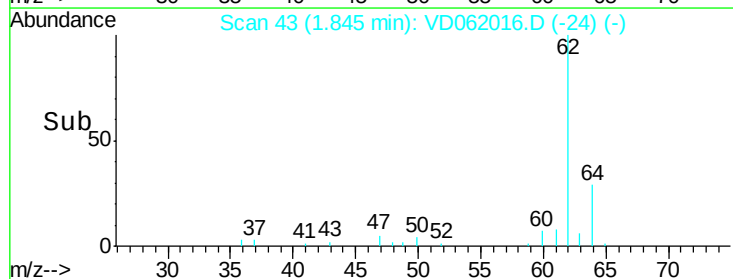
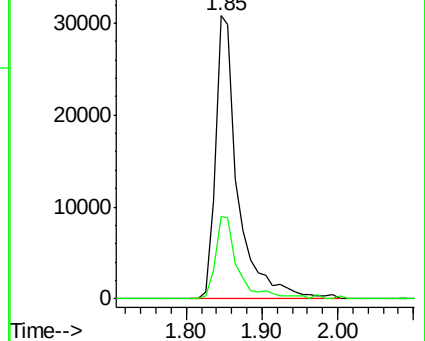
62 100

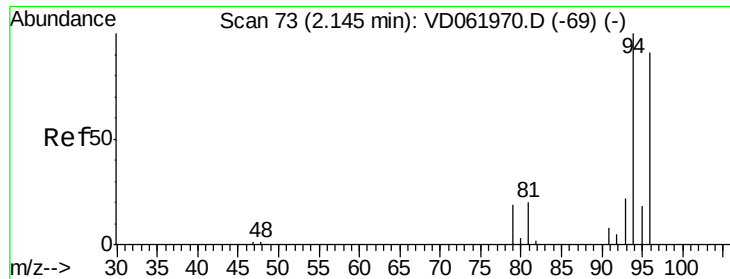
64 29.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.044 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

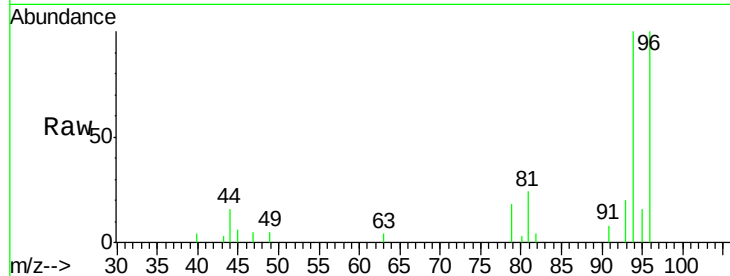
Tot Ion: 94 Resp: 18807

Ion Ratio Lower Upper

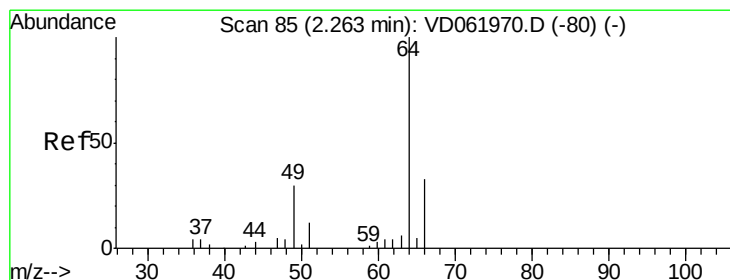
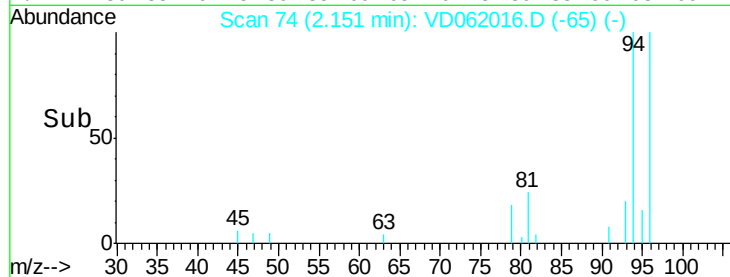
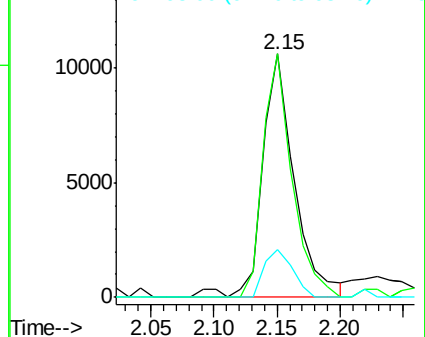
94 100

96 100.1 76.6 115.0

93 19.9 18.5 27.7



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



#6

Chloroethane

Concen: 16.821 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062016.D

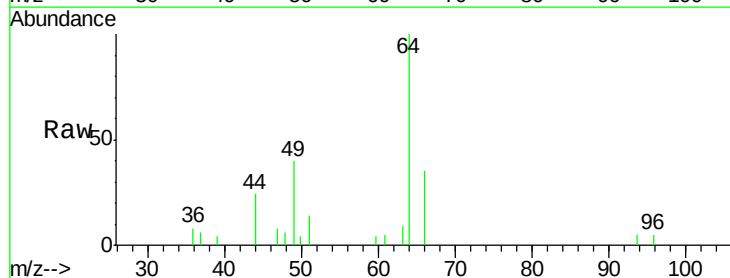
Acq: 25 Apr 2019 3:05

Tgt Ion: 64 Resp: 22118

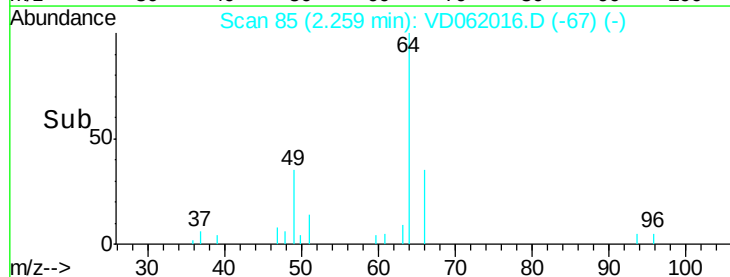
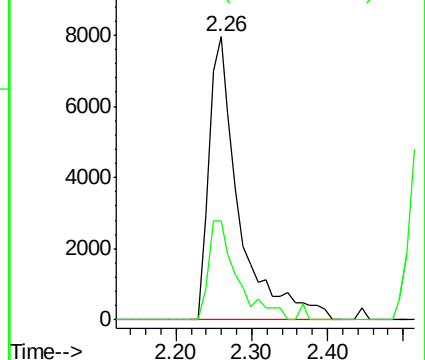
Ion Ratio Lower Upper

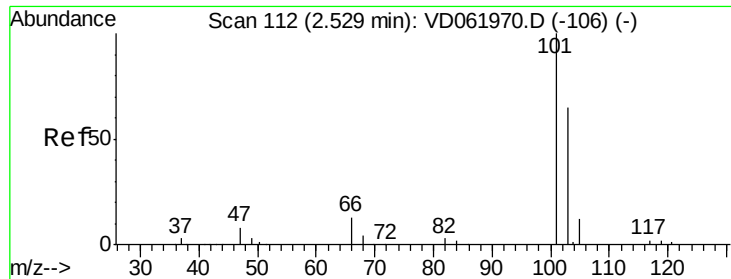
64 100

66 35.1 25.6 38.4



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



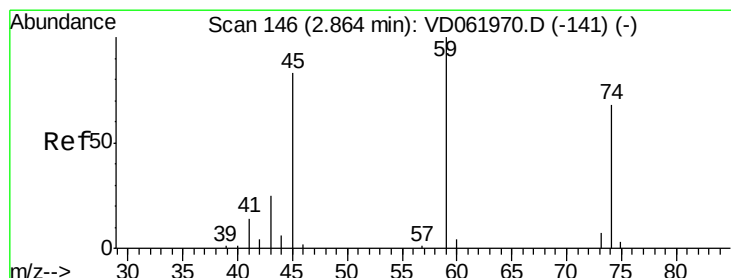
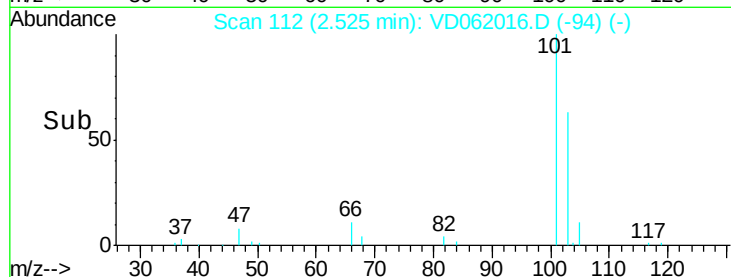
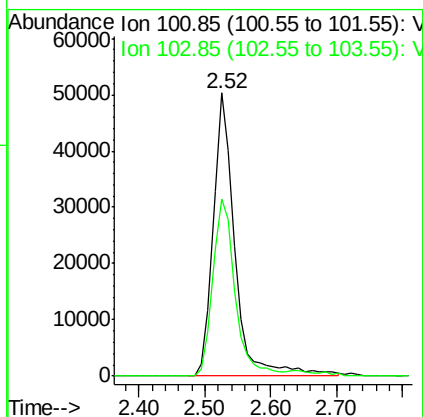
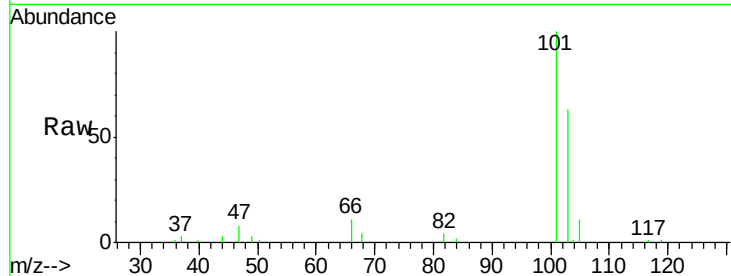


#7

Trichlorofluoromethane
 Concen: 20.738 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Instrument :
 MSVOA_D
 ClientSampled :

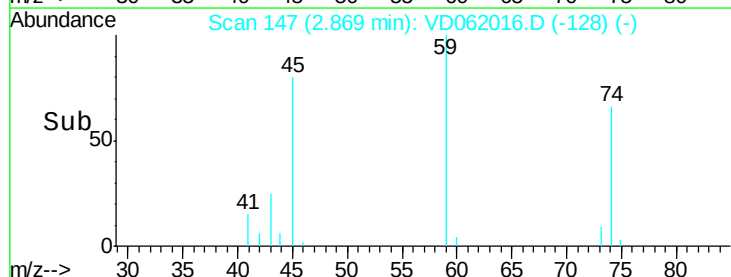
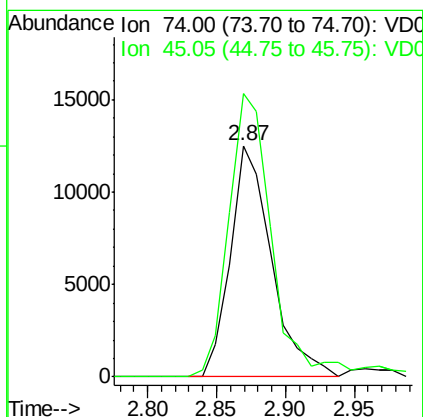
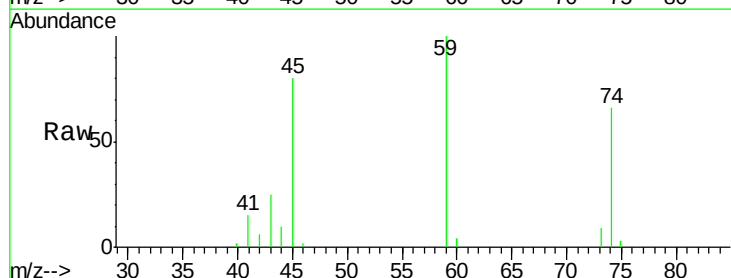
Tot Ion:101 Resp: 114059
 Ion Ratio Lower Upper
 101 100
 103 62.8 53.6 80.4

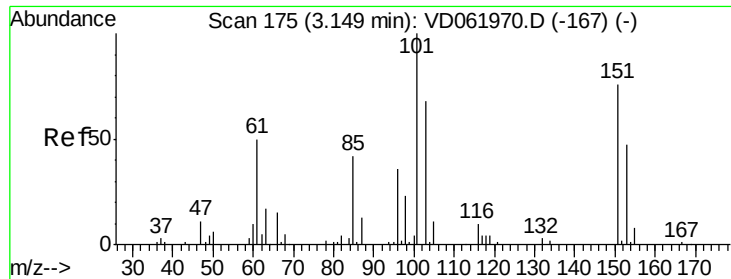


#8

Diethyl Ether
 Concen: 17.649 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion: 74 Resp: 26016
 Ion Ratio Lower Upper
 74 100
 45 122.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.857 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

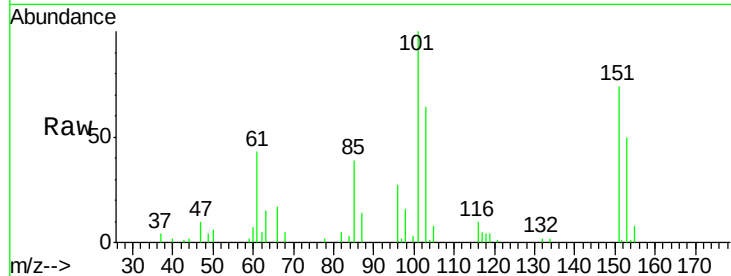
Tot Ion:101 Resp: 100610

Ion Ratio Lower Upper

101 100

85 39.3 32.4 48.6

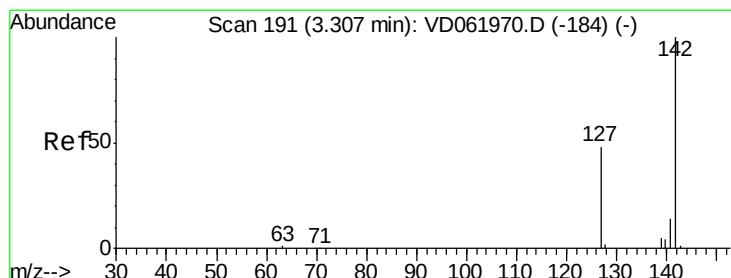
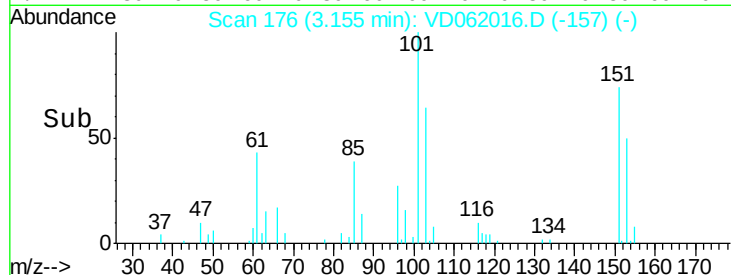
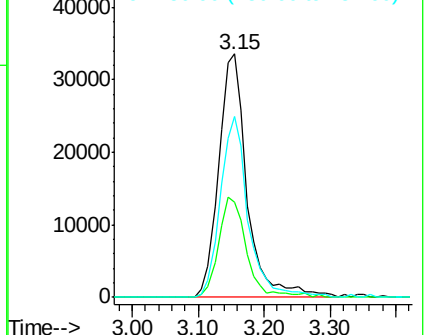
151 74.5 59.4 89.0



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: 19.493 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

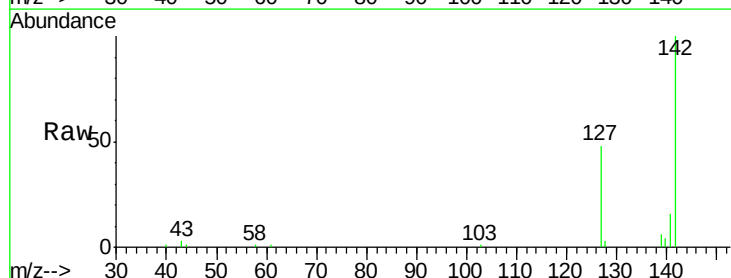
Tgt Ion:142 Resp: 121787

Ion Ratio Lower Upper

142 100

127 47.9 38.8 58.2

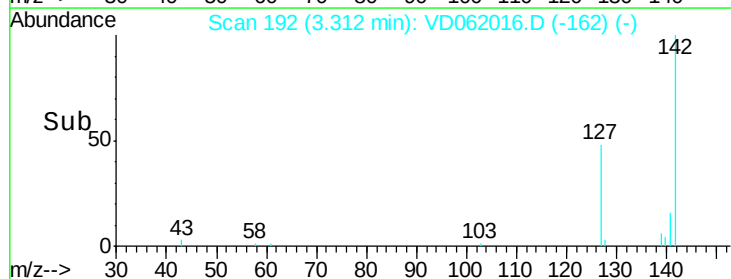
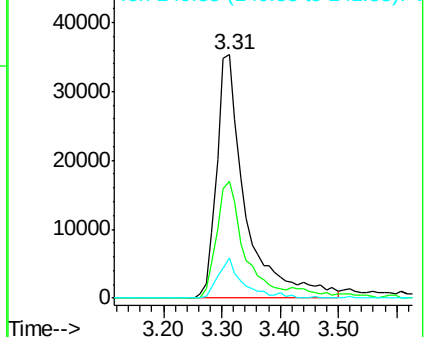
141 16.3 11.4 17.0

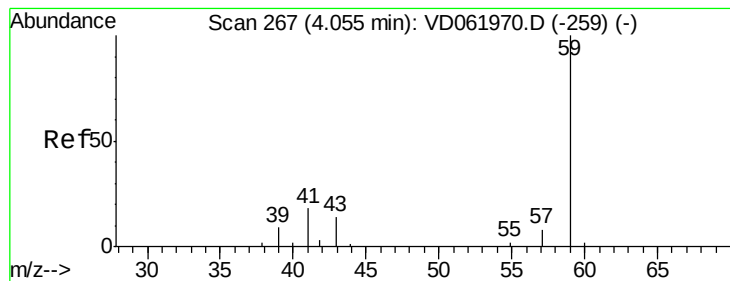


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 108.769 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

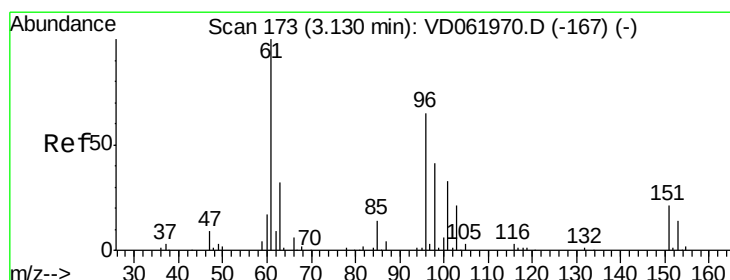
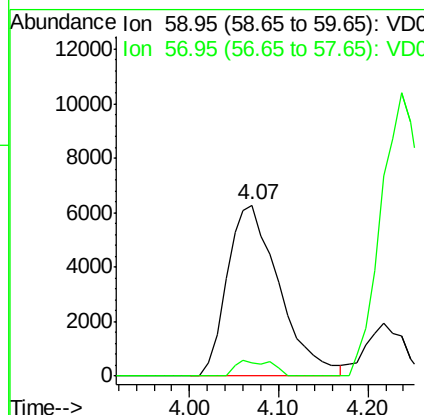
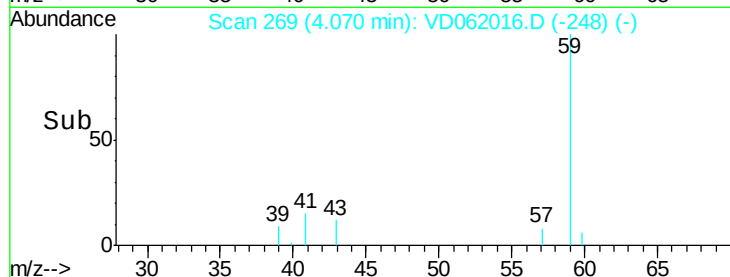
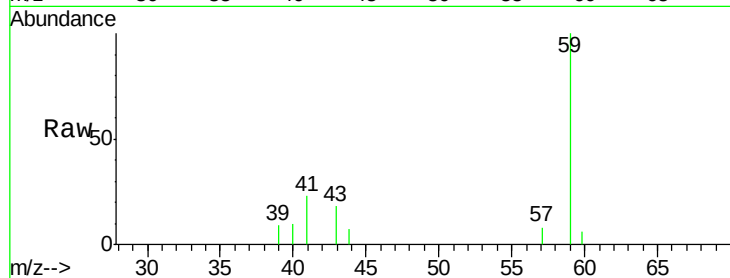
ClientSampled :

Tot Ion: 59 Resp: 25436

Ion Ratio Lower Upper

59 100

57 7.9 6.9 10.3



#12

1,1-Dichloroethene

Concen: 19.525 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

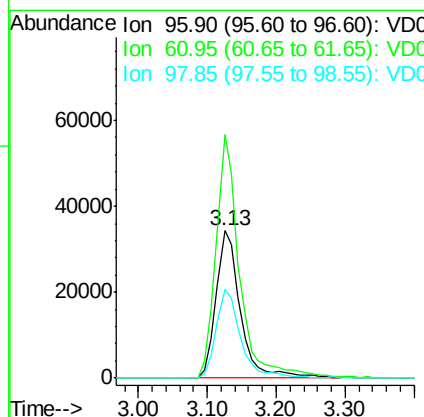
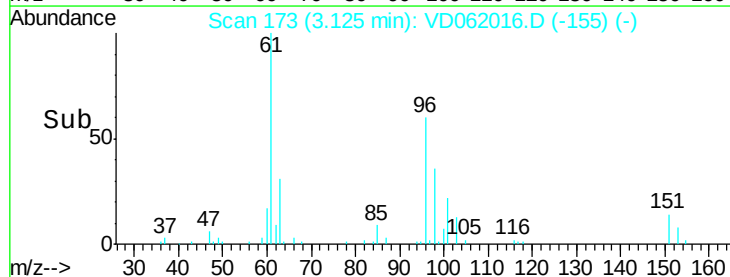
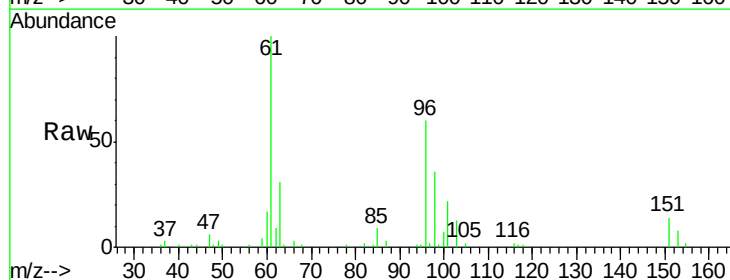
Tgt Ion: 96 Resp: 84165

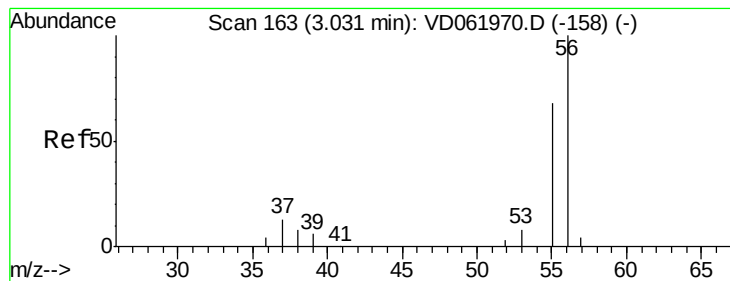
Ion Ratio Lower Upper

96 100

61 165.5 129.8 194.8

98 60.0 51.2 76.8





#13

Acrolein

Concen: 93.967 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

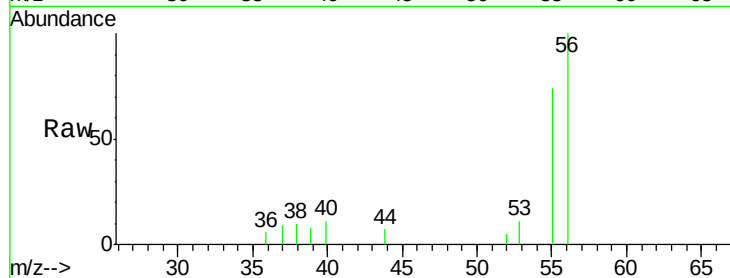
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 22800

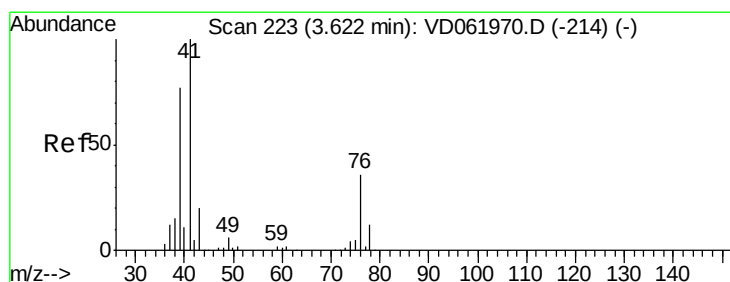
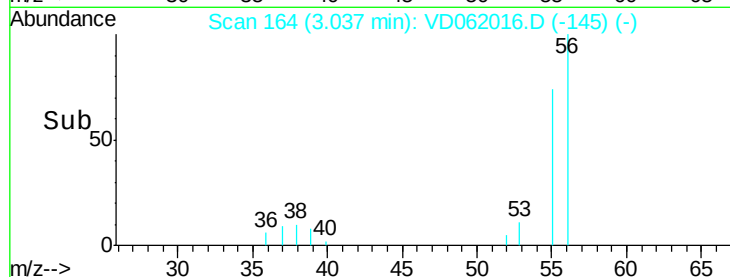
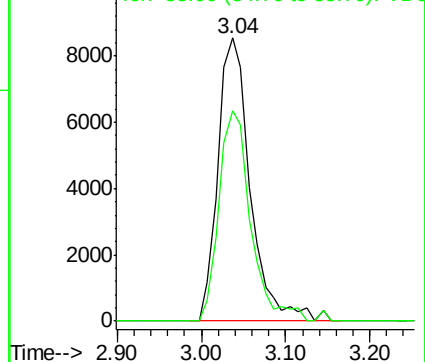
Ion Ratio Lower Upper

56 100

55 74.2 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: 19.510 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

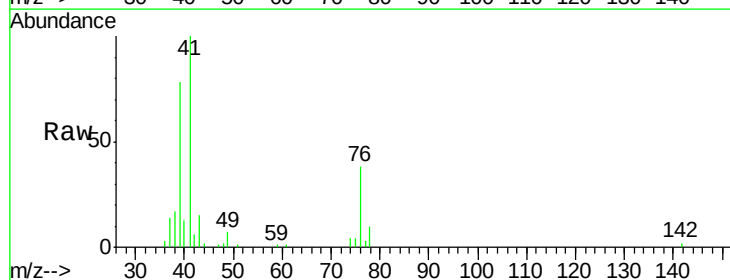
Tgt Ion: 41 Resp: 114836

Ion Ratio Lower Upper

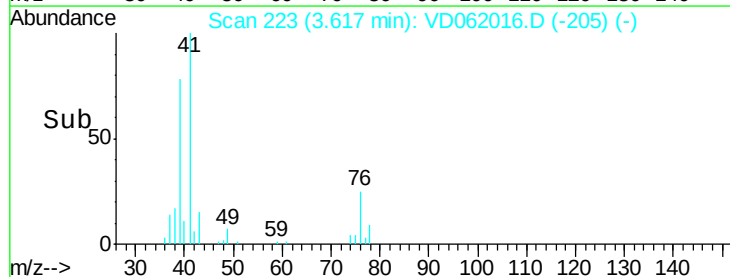
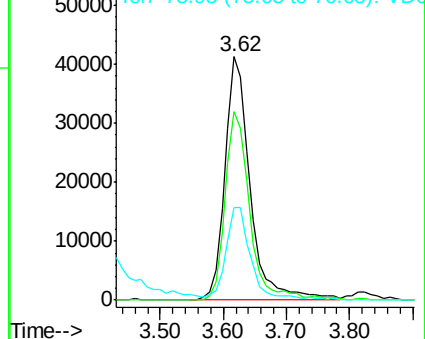
41 100

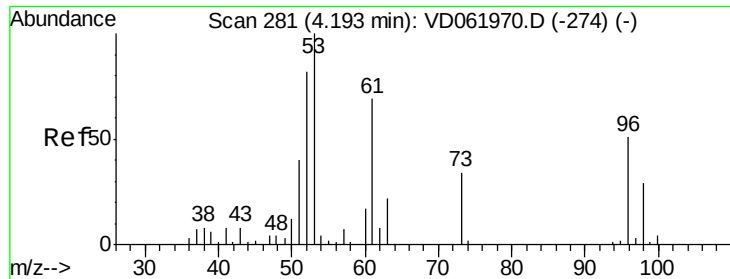
39 77.6 60.5 90.7

76 38.1 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: 110.359 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

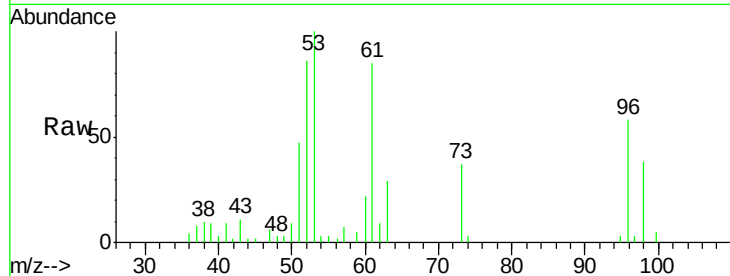
Tot Ion: 53 Resp: 79915

Ion Ratio Lower Upper

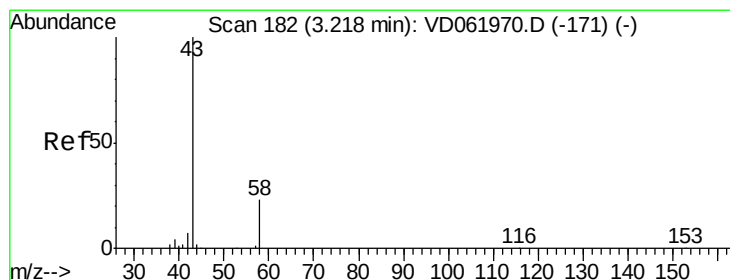
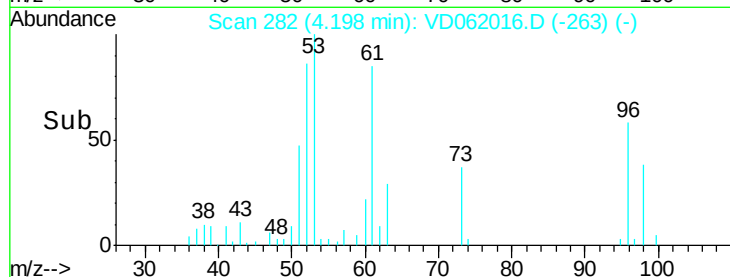
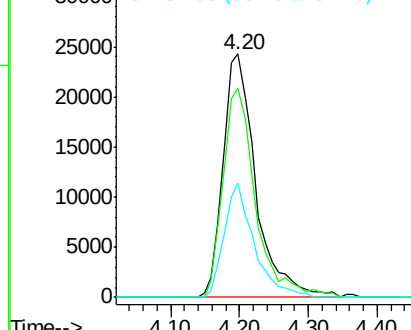
53 100

52 85.6 65.0 97.4

51 46.8 32.6 48.8



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



#16

Acetone

Concen: 88.268 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062016.D

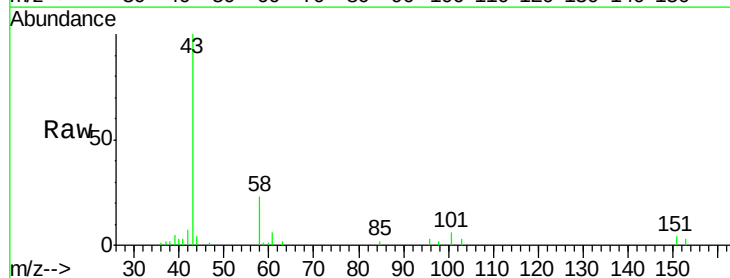
Acq: 25 Apr 2019 3:05

Tgt Ion: 43 Resp: 87232

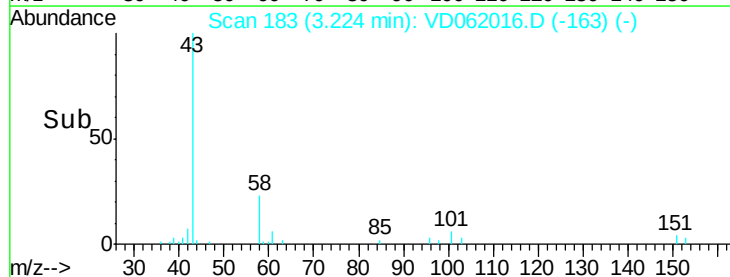
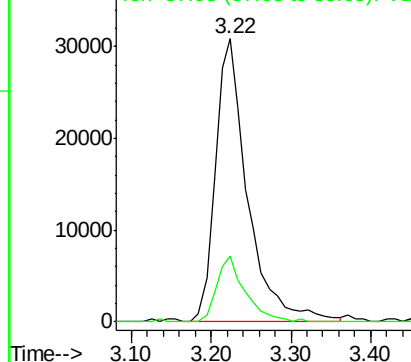
Ion Ratio Lower Upper

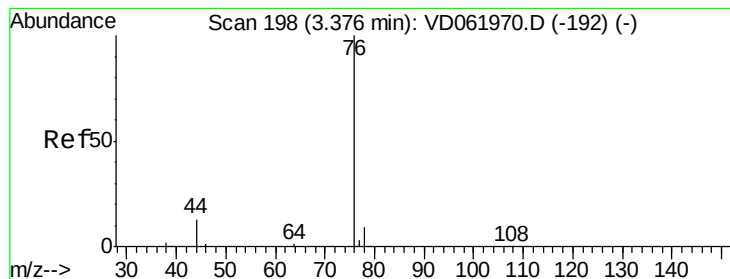
43 100

58 23.2 19.9 29.9



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





#17

Carbon Disulfide

Concen: 17.123 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

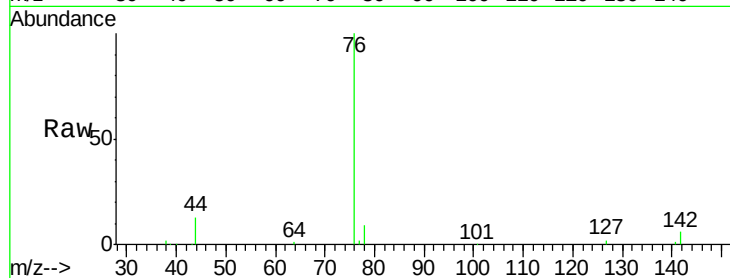
ClientSampleId :

Tot Ion: 76 Resp: 213294

Ion Ratio Lower Upper

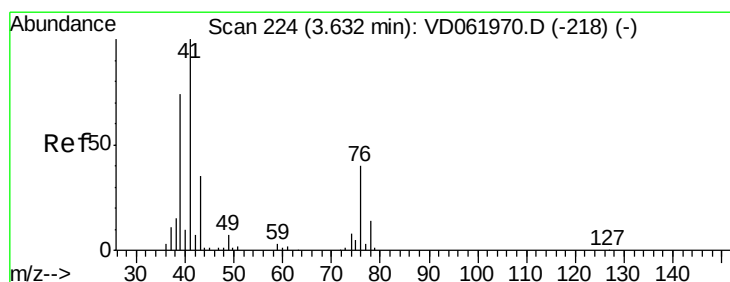
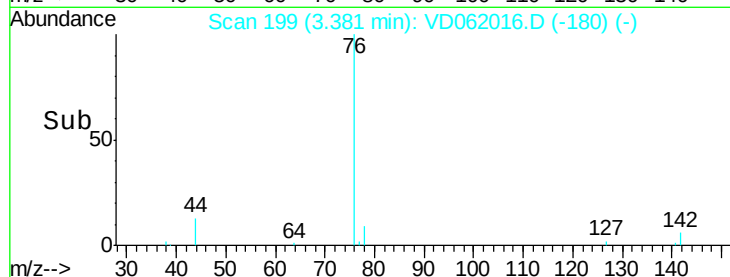
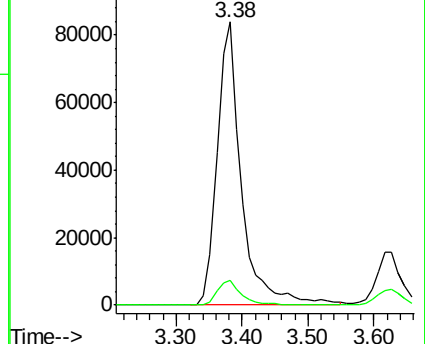
76 100

78 8.8 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: 21.650 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD062016.D

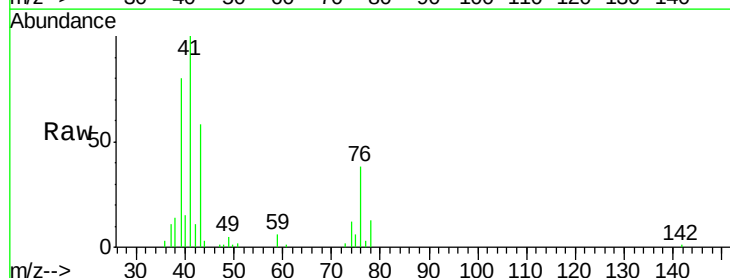
Acq: 25 Apr 2019 3:05

Tgt Ion: 43 Resp: 41001

Ion Ratio Lower Upper

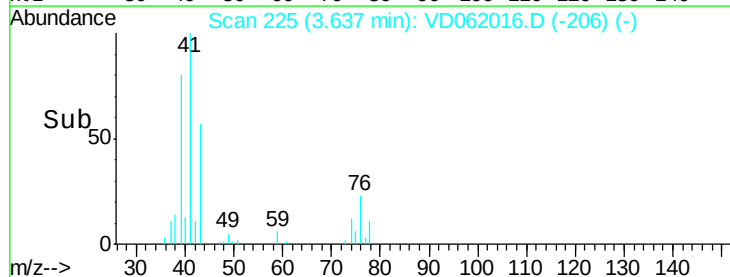
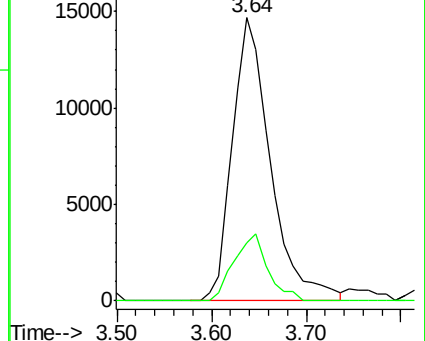
43 100

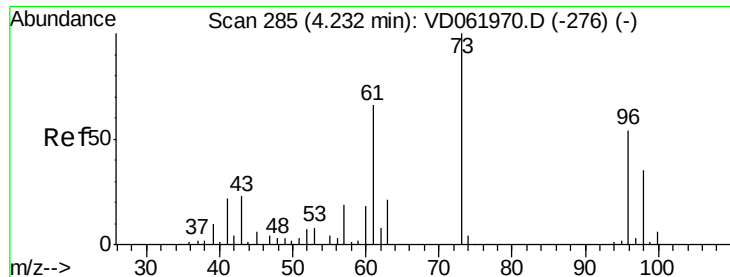
74 20.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

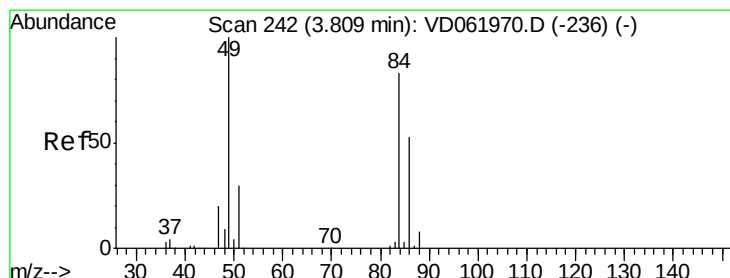
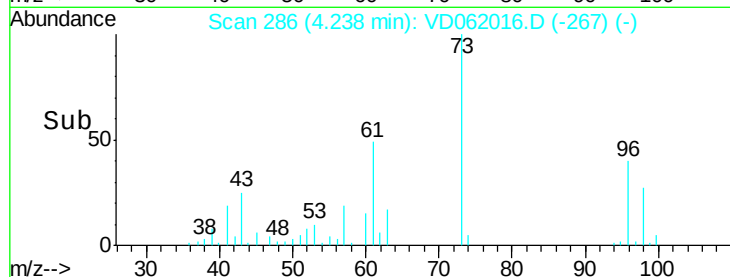
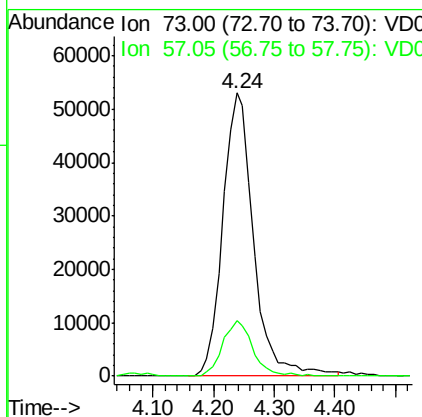
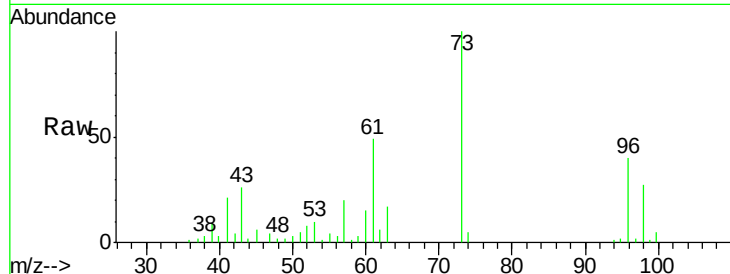




#19
Methyl tert-butyl Ether
Concen: 21.801 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

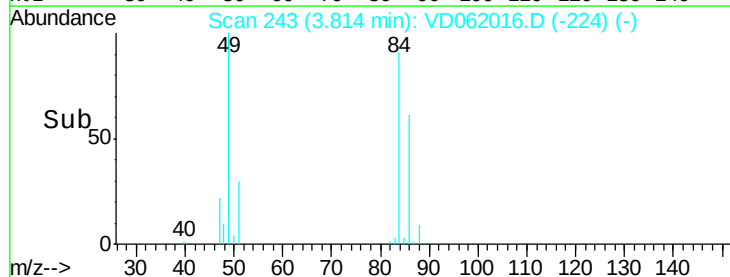
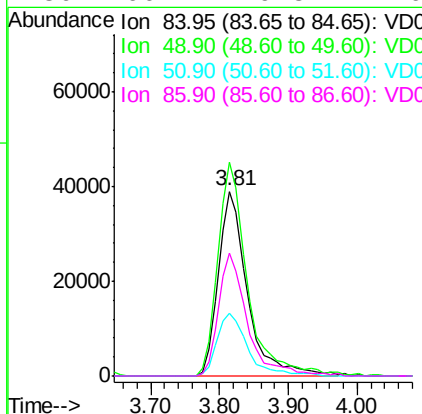
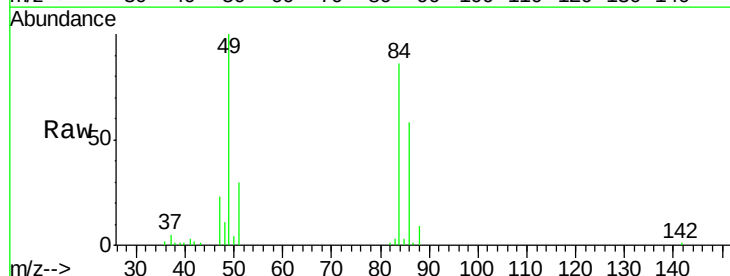
Instrument :
MSVOA_D
ClientSampled :

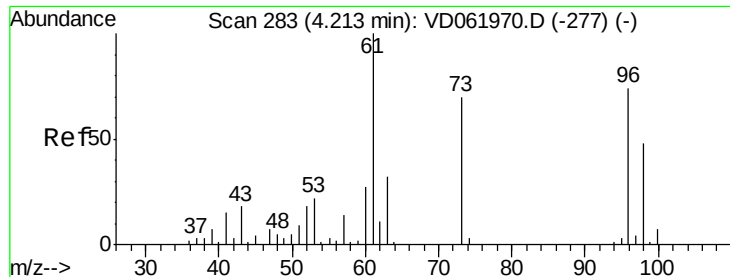
Tot Ion: 73 Resp: 186460
Ion Ratio Lower Upper
73 100
57 19.6 16.3 24.5



#20
Methylene Chloride
Concen: 21.909 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 84 Resp: 114026
Ion Ratio Lower Upper
84 100
49 115.9 94.0 141.0
51 34.3 29.0 43.4
86 66.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.440 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampleId :

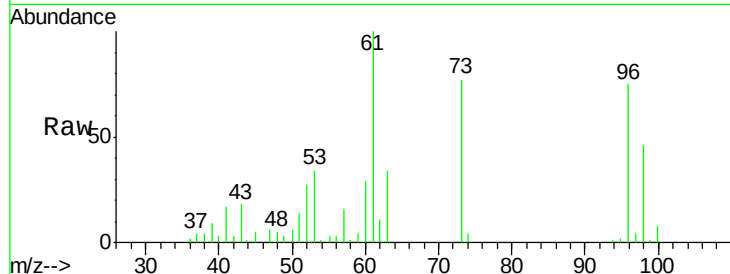
Tot Ion: 96 Resp: 96132

Ion Ratio Lower Upper

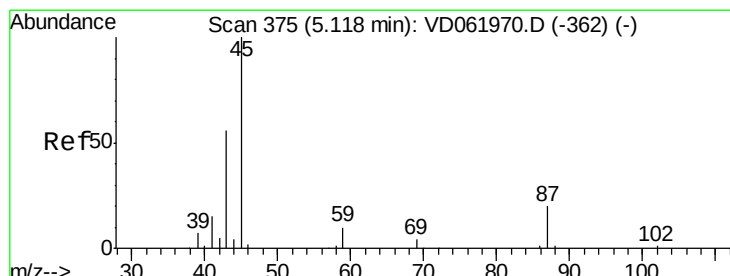
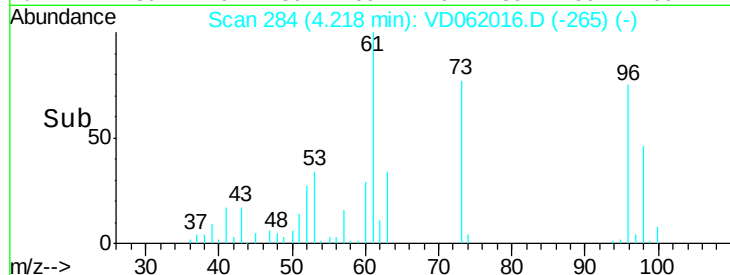
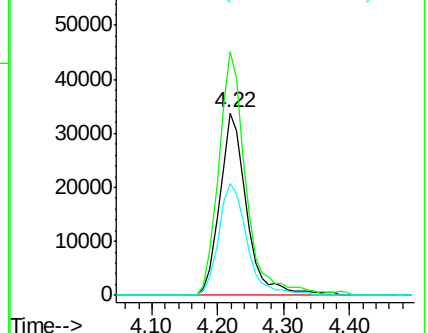
96 100

61 133.5 104.4 156.6

98 61.1 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: 19.168 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Tgt Ion: 45 Resp: 263420

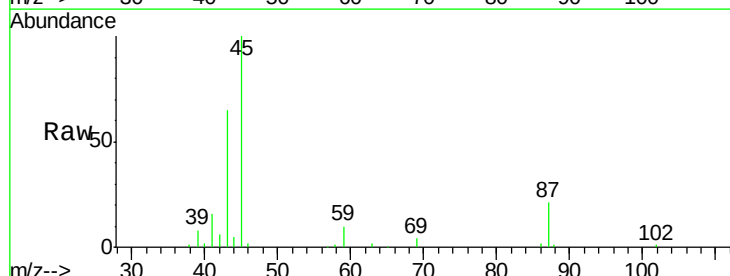
Ion Ratio Lower Upper

45 100

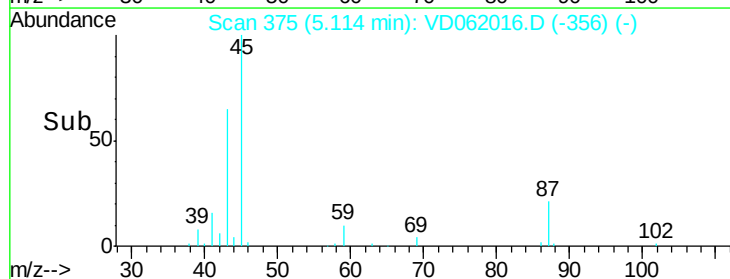
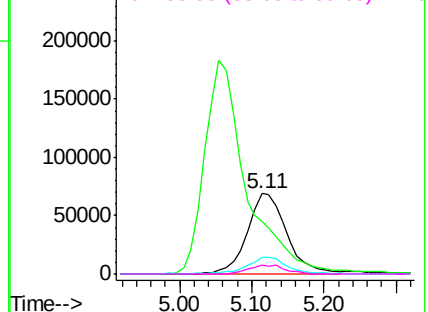
43 65.2 46.2 69.2

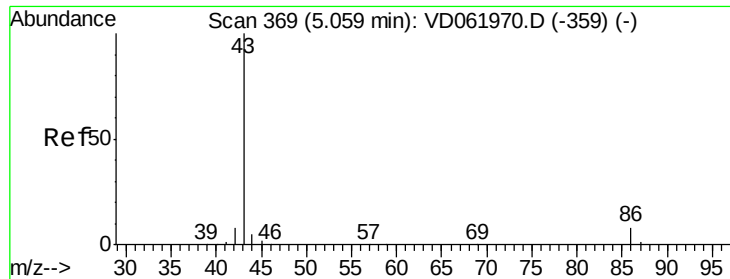
87 20.8 15.9 23.9

59 10.4 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: 102.362 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

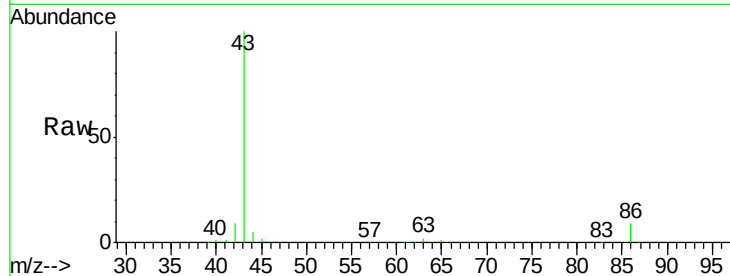
ClientSampleId :

Tot Ion: 43 Resp: 732561

Ion Ratio Lower Upper

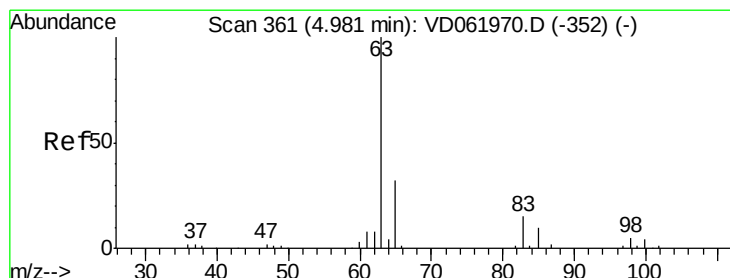
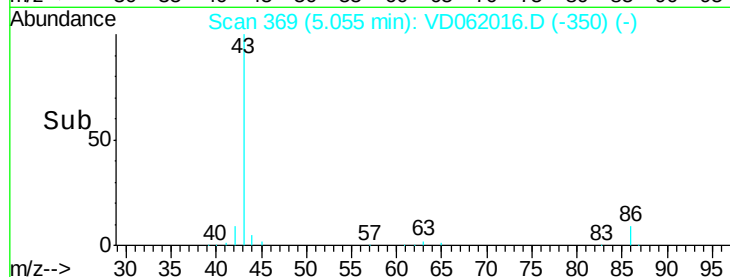
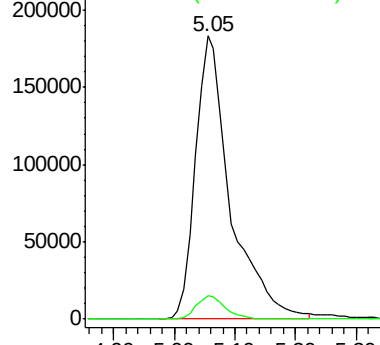
43 100

86 8.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.642 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

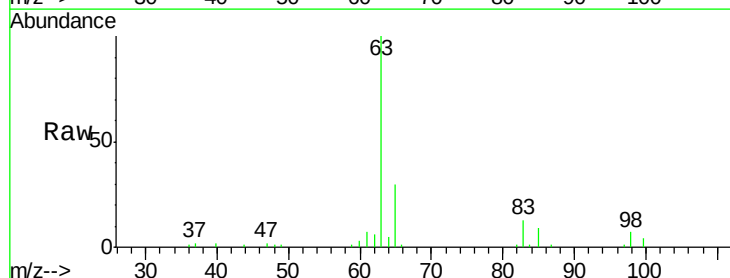
Tgt Ion: 63 Resp: 163145

Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.4

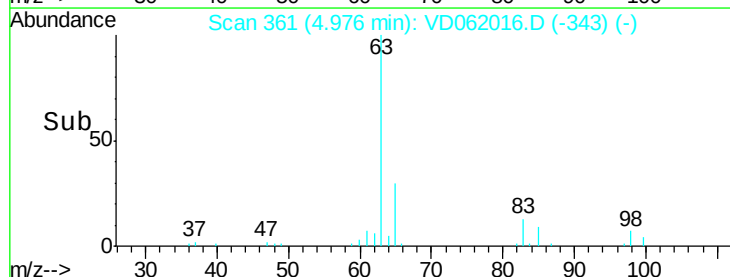
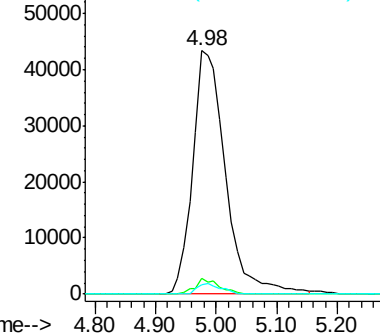
100 3.6 1.8 5.5

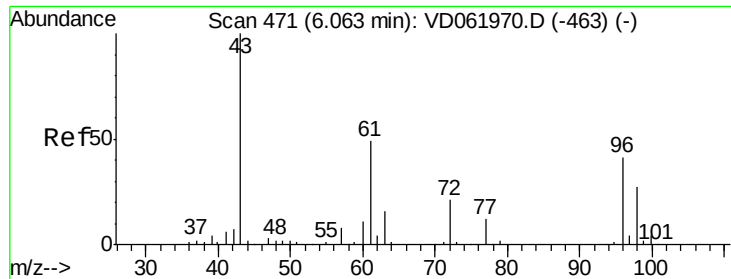


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

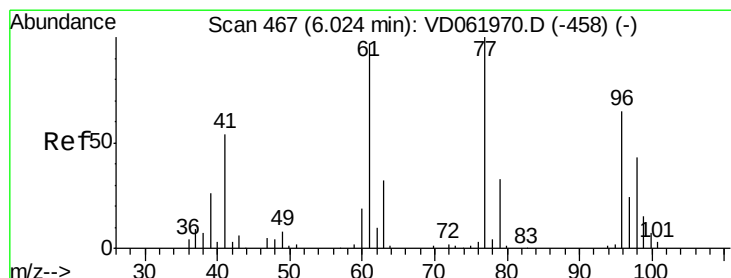
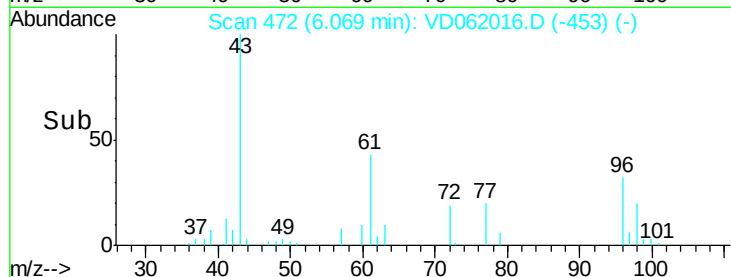
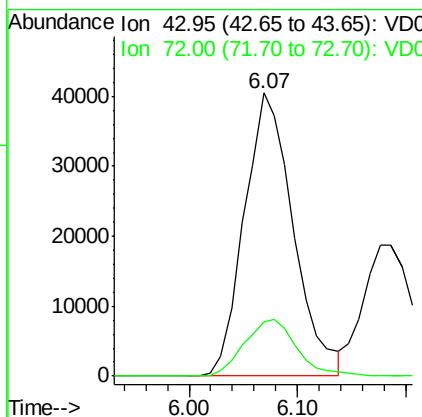
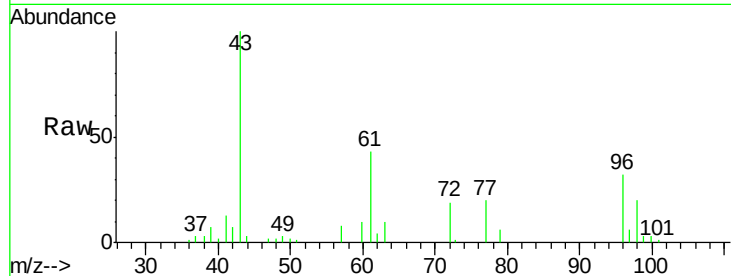




#25
2-Butanone
Concen: 106.680 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

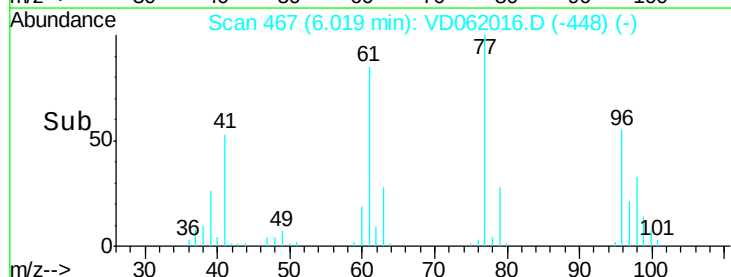
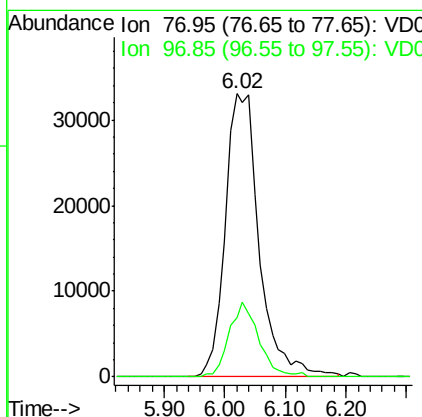
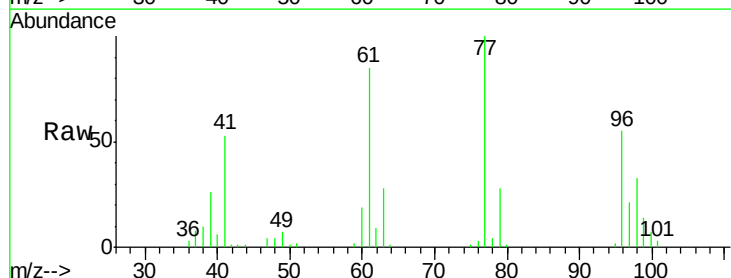
Instrument :
MSVOA_D
ClientSampleId :

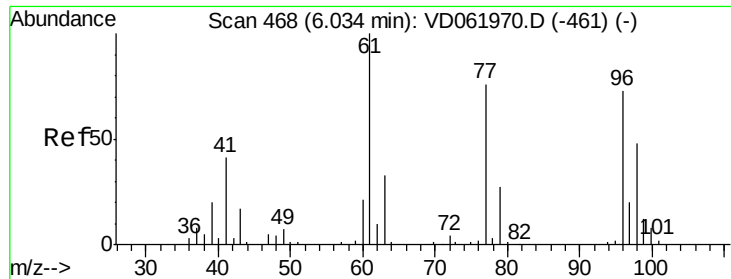
Tot Ion: 43 Resp: 127823
Ion Ratio Lower Upper
43 100
72 19.0 16.2 24.4



#26
2,2-Dichloropropane
Concen: 17.723 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 77 Resp: 128421
Ion Ratio Lower Upper
77 100
97 20.9 11.9 35.9



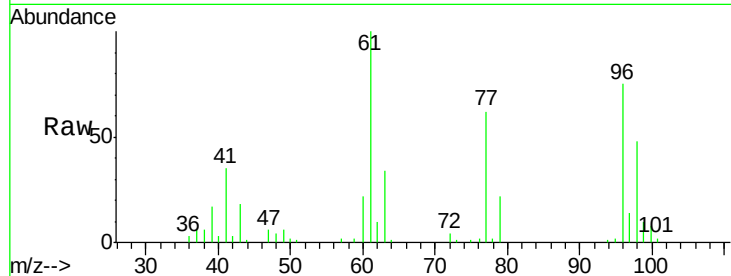


#27

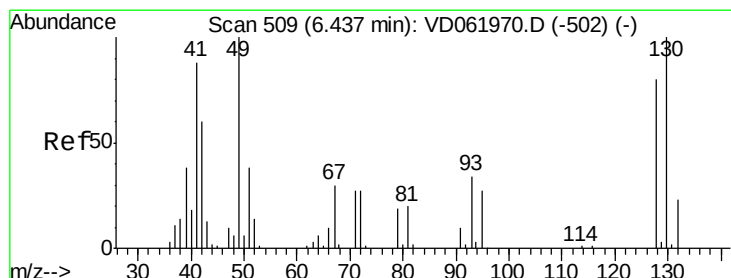
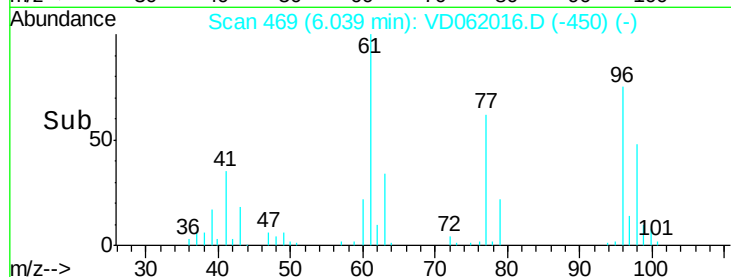
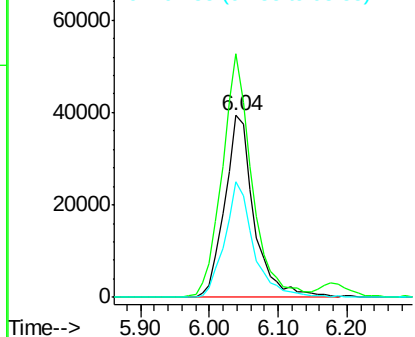
cis-1,2-Dichloroethene
Concen: 20.649 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 116163
Ion Ratio Lower Upper
96 100
61 133.8 0.0 279.8
98 63.7 0.0 136.0



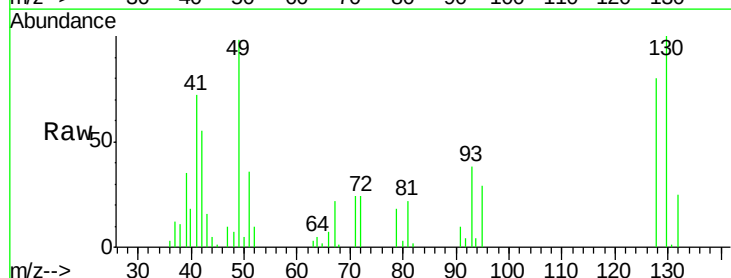
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



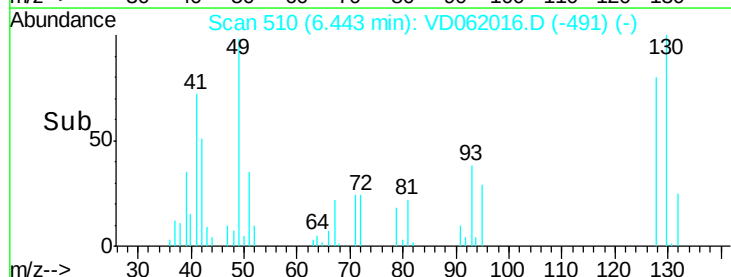
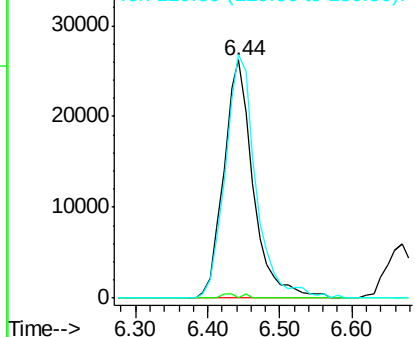
#28

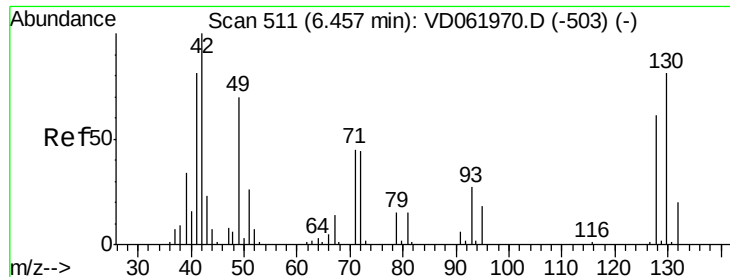
Bromochloromethane
Concen: 23.390 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 49 Resp: 74337
Ion Ratio Lower Upper
49 100
129 0.0 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: 111.105 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampled :

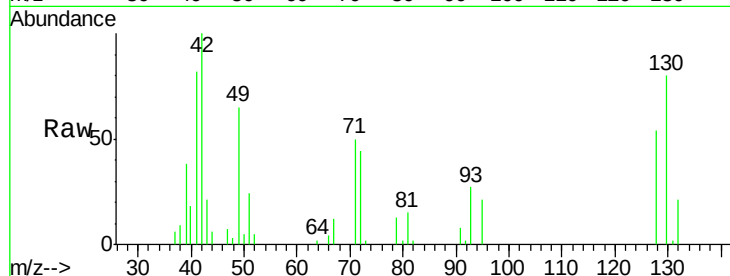
Tot Ion: 42 Resp: 65594

Ion Ratio Lower Upper

42 100

72 45.2 37.8 56.6

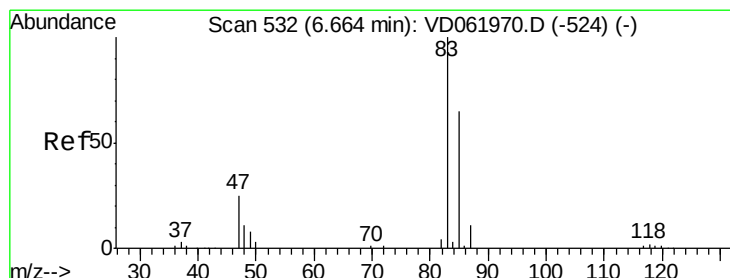
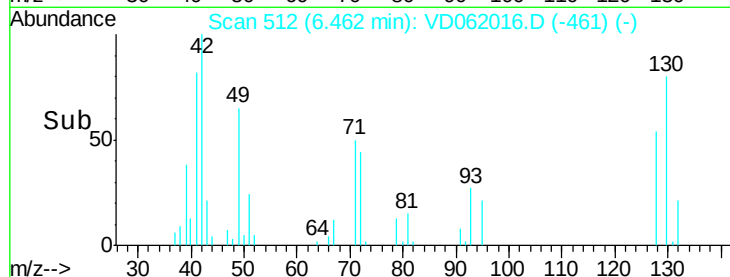
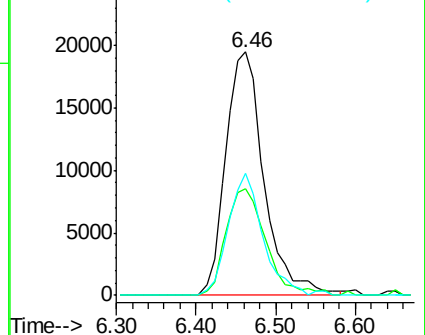
71 45.4 36.7 55.1



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: 21.299 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062016.D

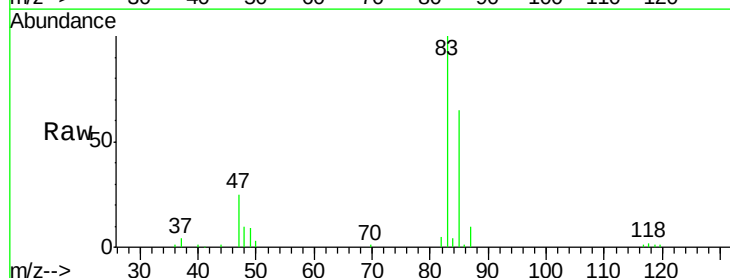
Acq: 25 Apr 2019 3:05

Tgt Ion: 83 Resp: 200936

Ion Ratio Lower Upper

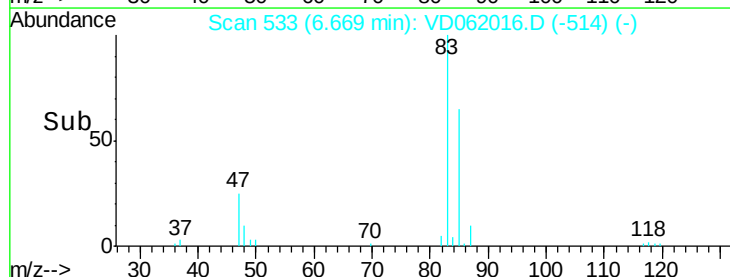
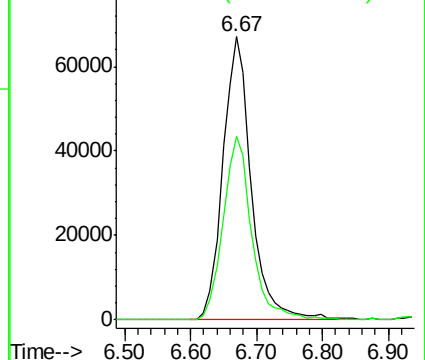
83 100

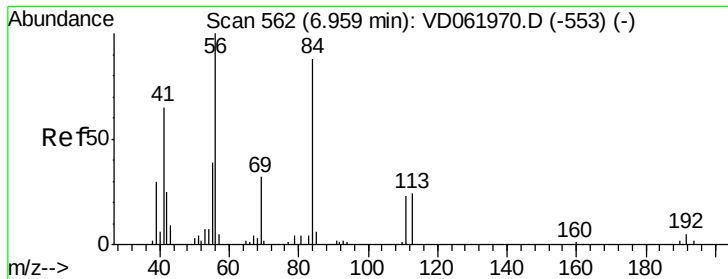
85 65.0 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

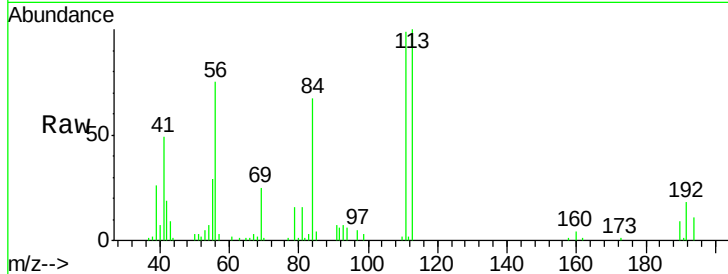




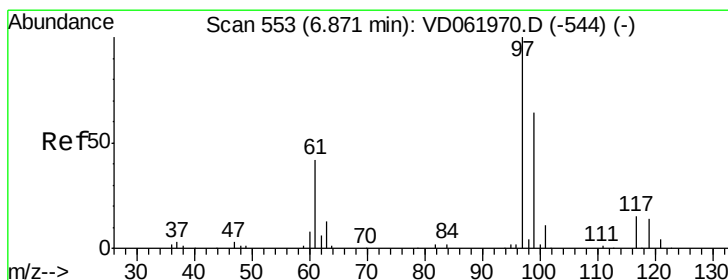
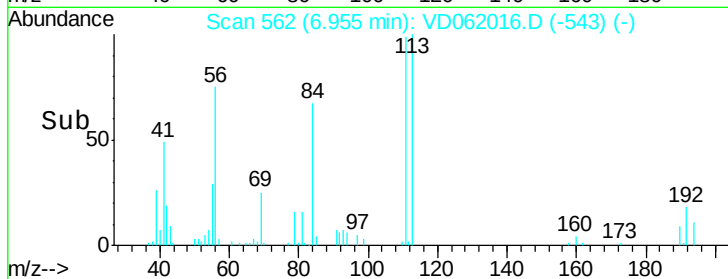
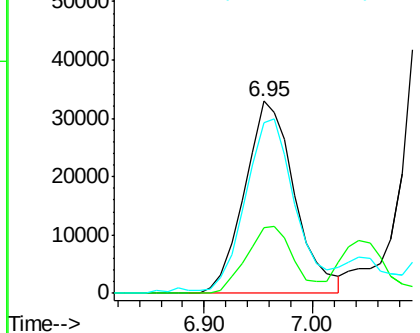
#31
Cyclohexane
Concen: 17.286 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 106573
Ion Ratio Lower Upper
56 100
69 34.1 25.8 38.6
84 89.1 72.2 108.4

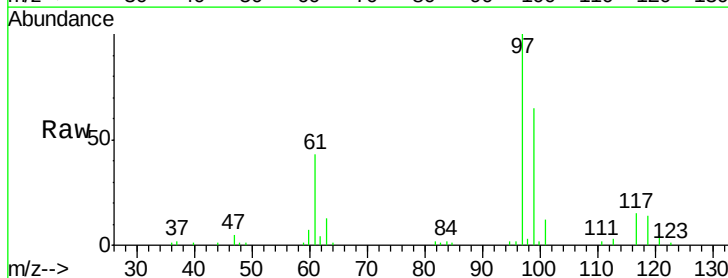


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

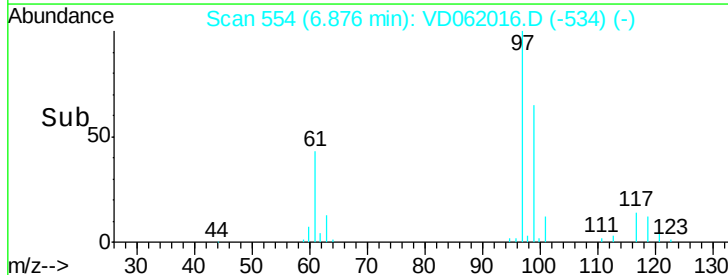
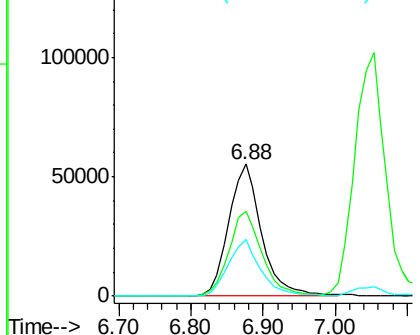


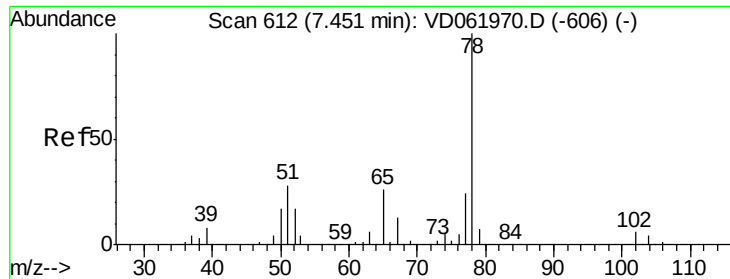
#32
1,1,1-Trichloroethane
Concen: 21.368 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 97 Resp: 175400
Ion Ratio Lower Upper
97 100
99 64.7 52.2 78.2
61 43.3 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

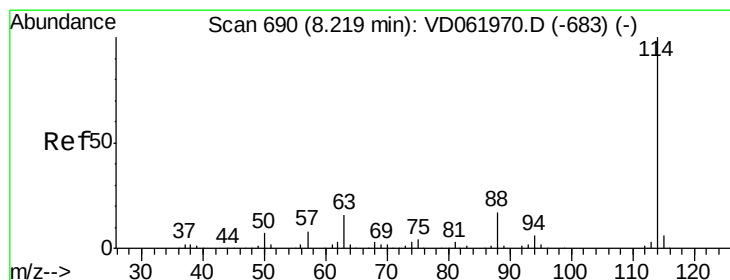
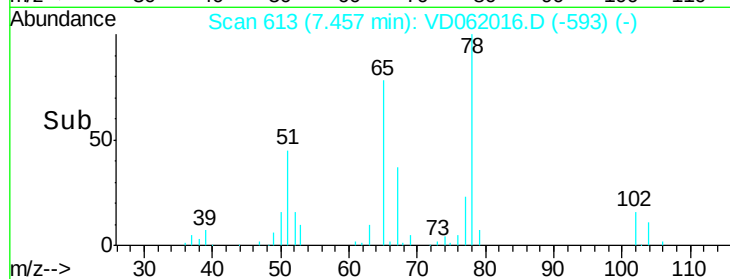
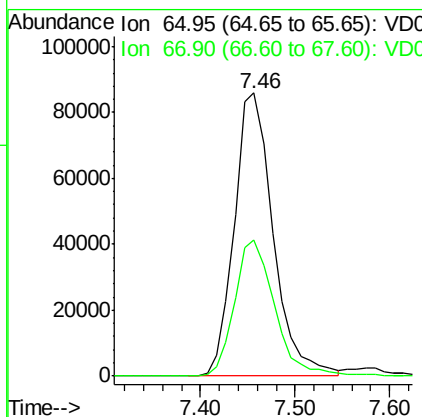
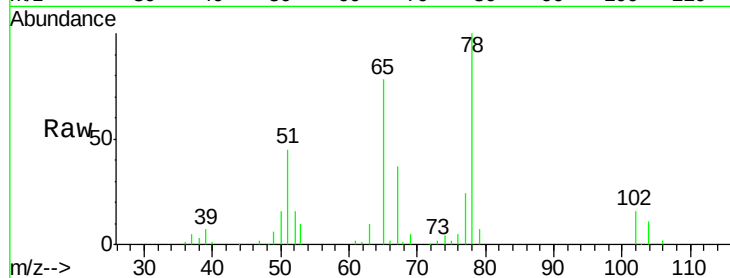




#33
 1,2-Dichloroethane-d4
 Concen: 21.368 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

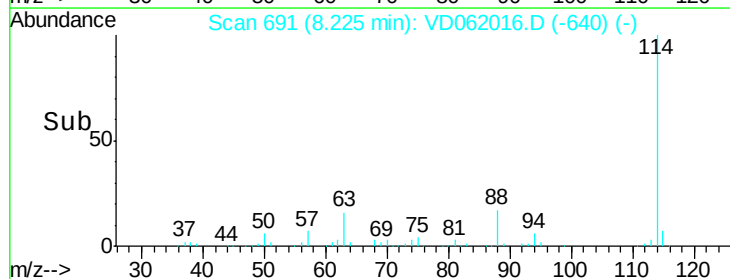
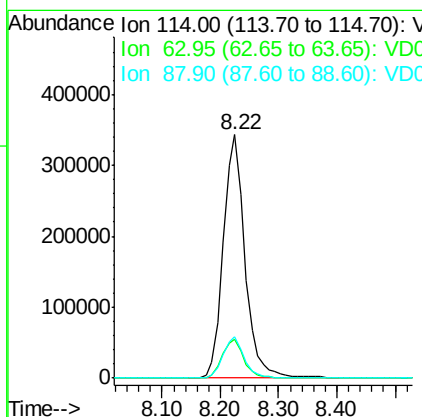
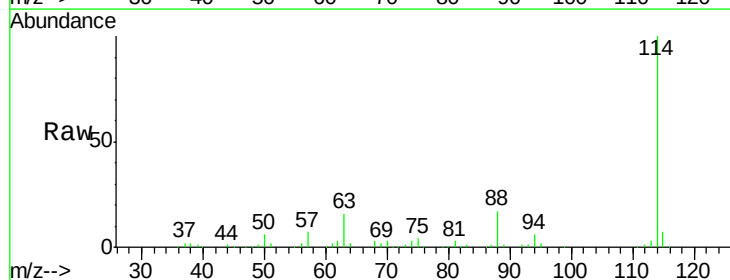
Instrument :
 MSVOA_D
 ClientSampled :

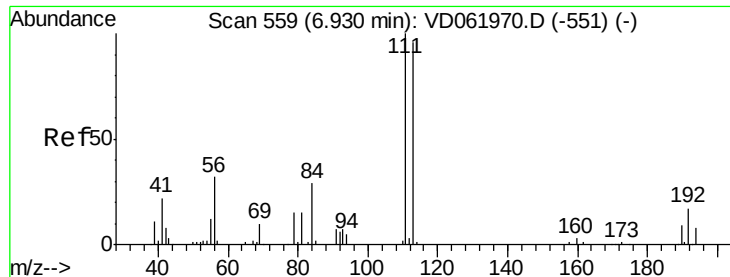
Tot Ion: 65 Resp: 245076
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion: 114 Resp: 886445
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.4
 88 16.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampled :

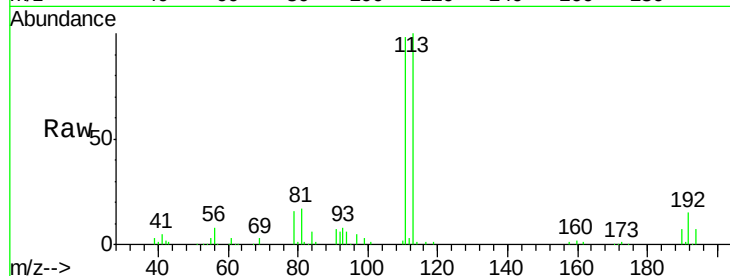
Tot Ion:113 Resp: 342491

Ion Ratio Lower Upper

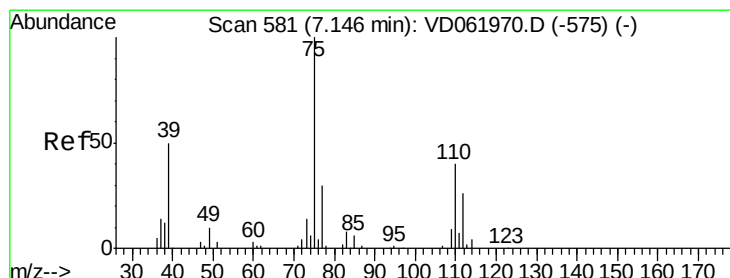
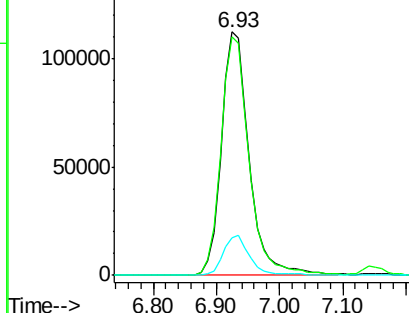
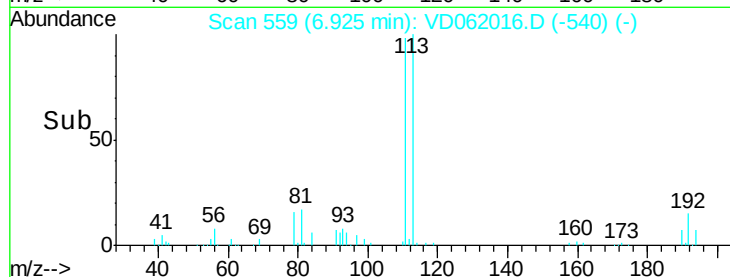
113 100

111 98.2 78.5 117.7

192 15.4 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.589 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

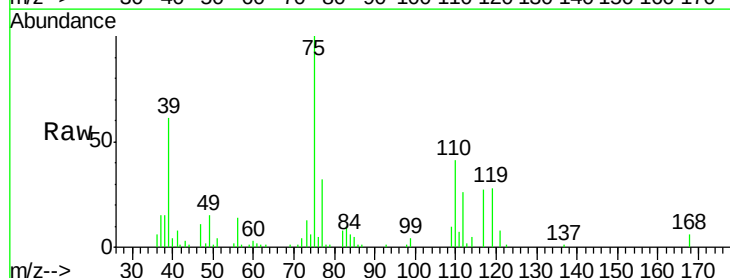
Tgt Ion: 75 Resp: 142195

Ion Ratio Lower Upper

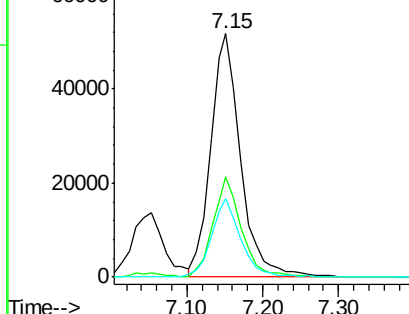
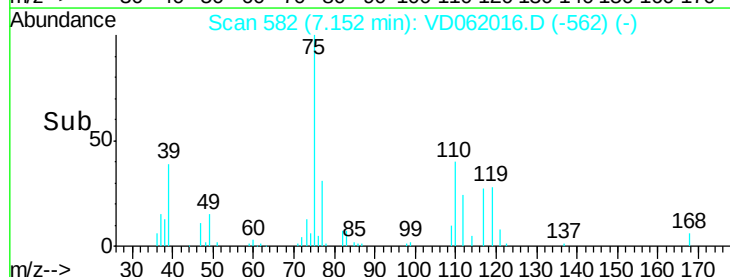
75 100

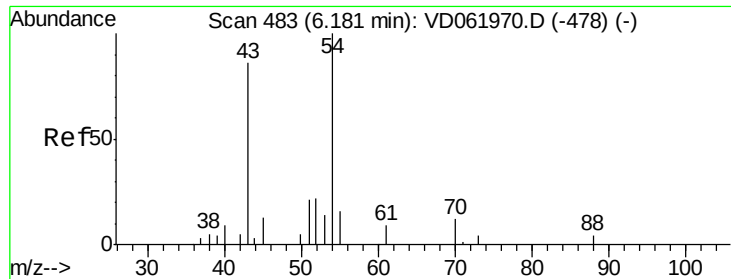
110 41.4 19.1 57.1

77 32.1 25.6 38.4



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

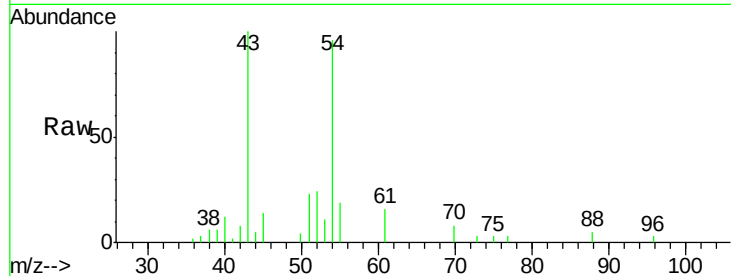




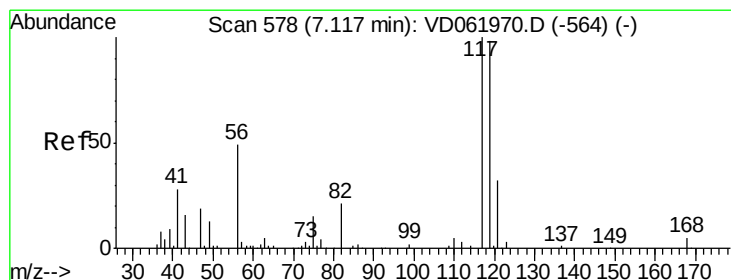
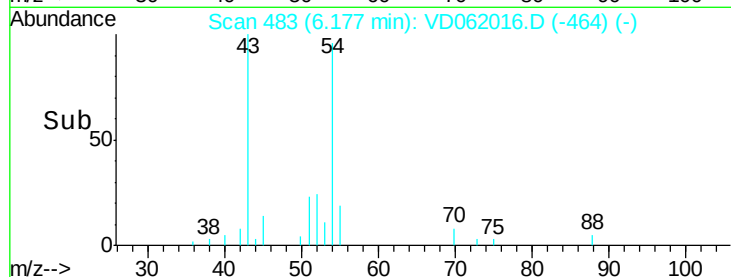
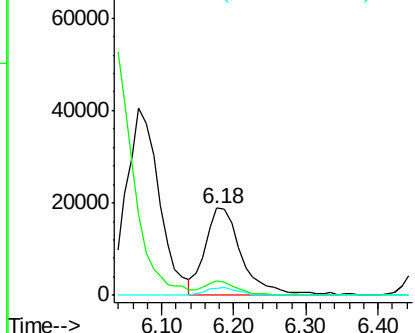
#37
Ethyl Acetate
Concen: 22.542 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 66341
Ion Ratio Lower Upper
43 100
61 16.3 14.7 22.1
70 8.2 7.8 11.6

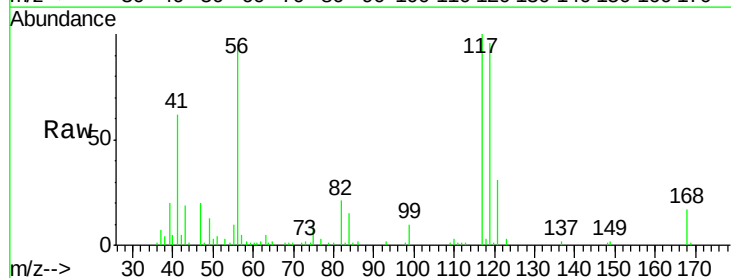


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

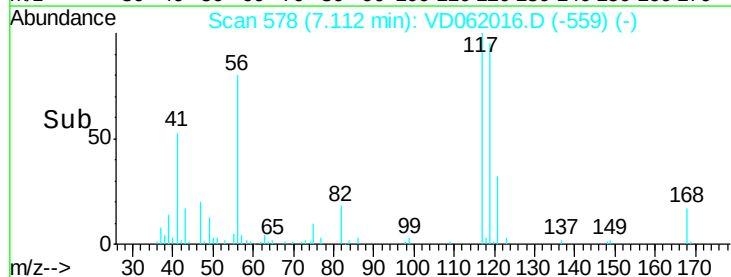
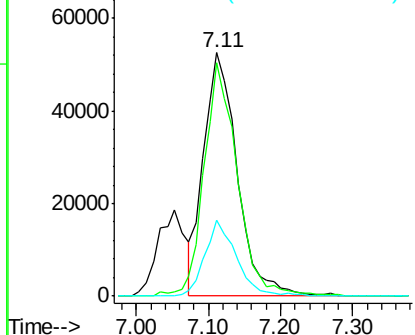


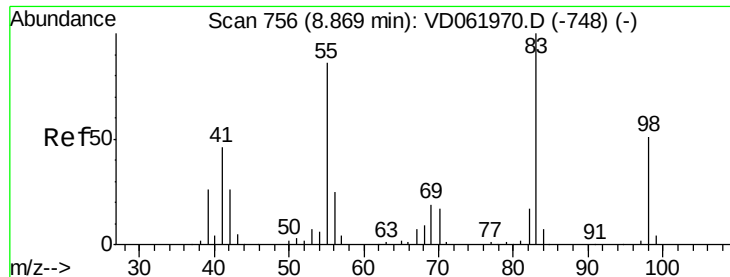
#38
Carbon Tetrachloride
Concen: 19.434 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 117 Resp: 170079
Ion Ratio Lower Upper
117 100
119 96.0 75.8 113.8
121 31.2 25.9 38.9



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

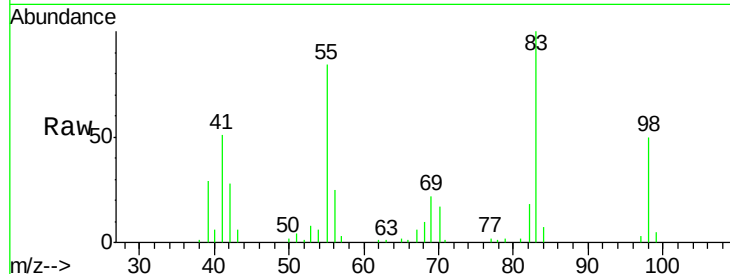




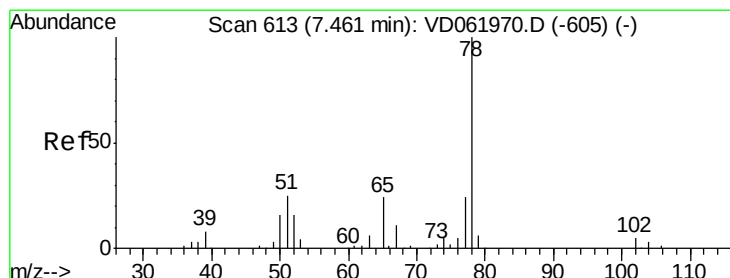
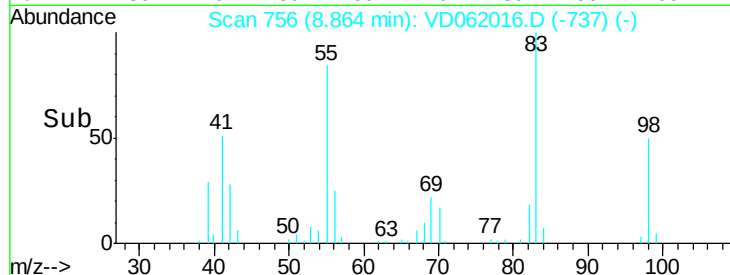
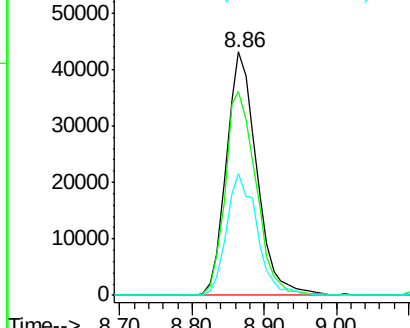
#39
Methylvlcyclohexane
Concen: 18.554 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 126424
Ion Ratio Lower Upper
83 100
55 83.7 68.2 102.4
98 50.0 38.2 57.4

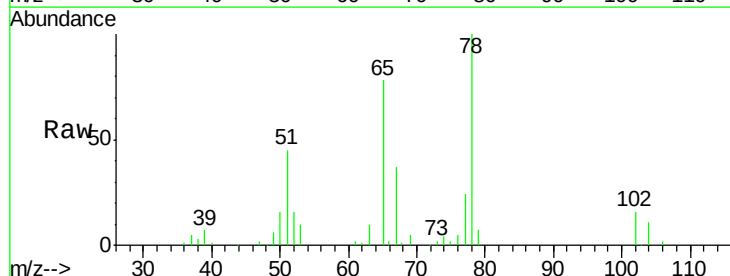


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

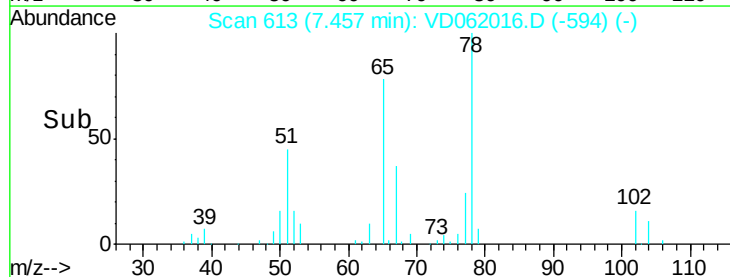
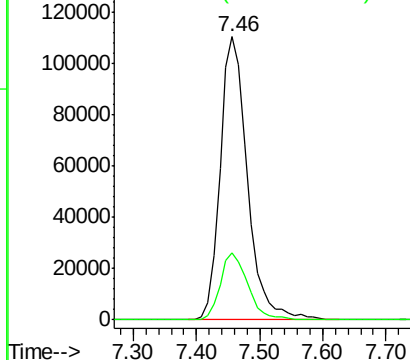


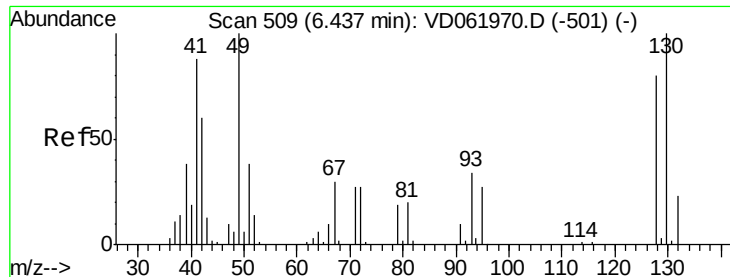
#40
Benzene
Concen: 19.370 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 78 Resp: 331179
Ion Ratio Lower Upper
78 100
77 23.7 19.7 29.5



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

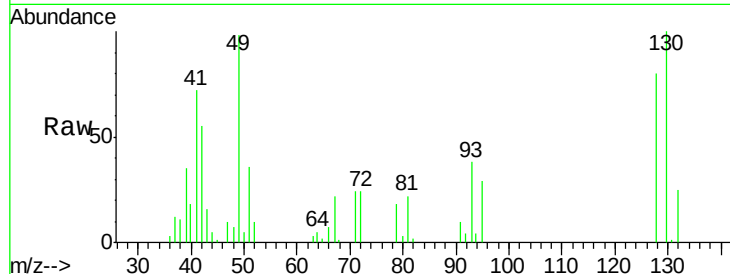




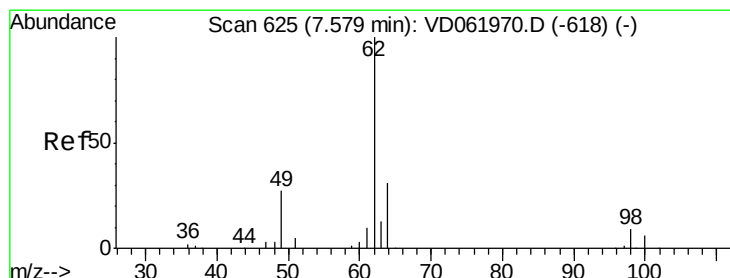
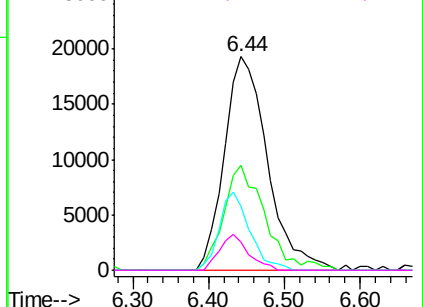
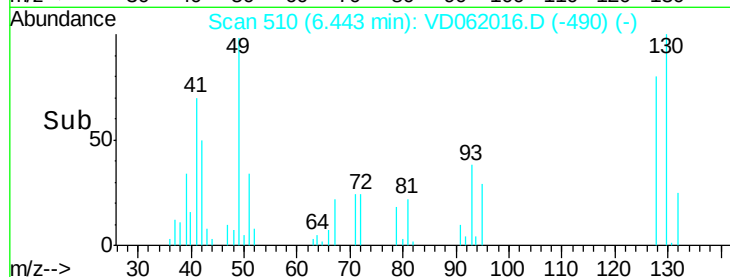
#41
Methacrylonitrile
Concen: 22.163 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 76107
Ion Ratio Lower Upper
41 100
39 49.1 34.1 51.1
67 29.9 23.8 35.6
52 13.3 8.8 13.2#

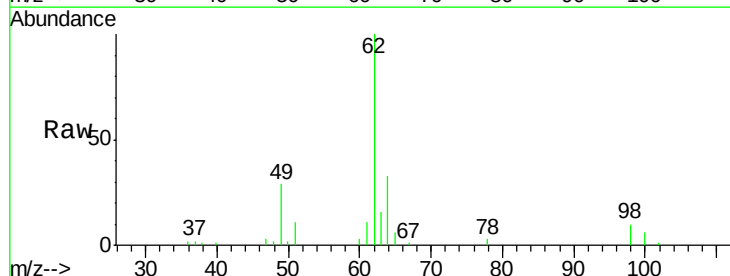


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

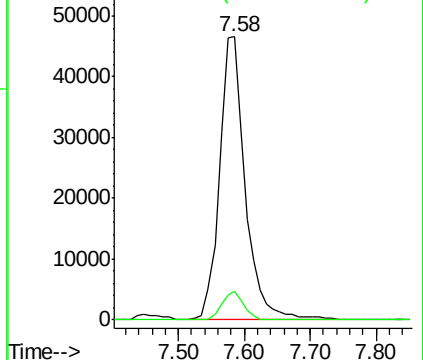
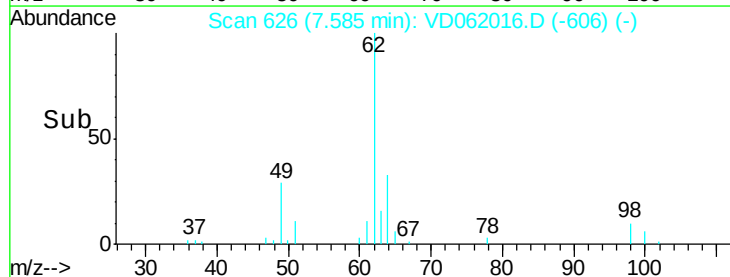


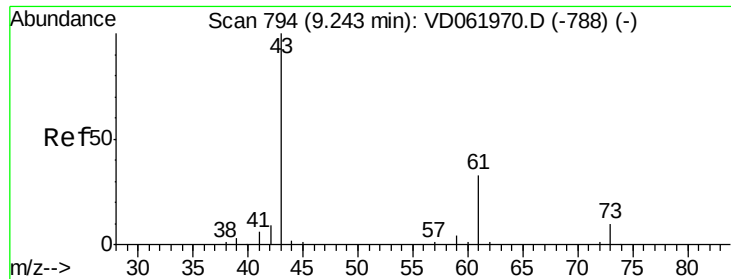
#42
1,2-Dichloroethane
Concen: 21.821 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 62 Resp: 126680
Ion Ratio Lower Upper
62 100
98 10.2 0.0 17.8



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



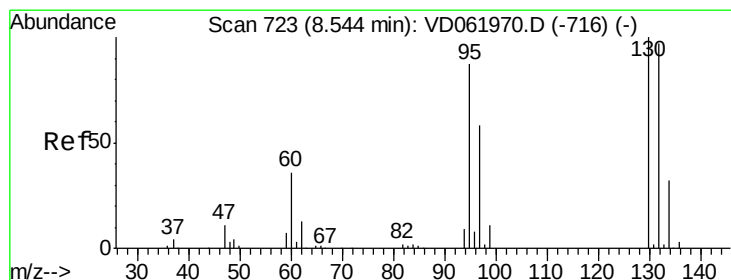
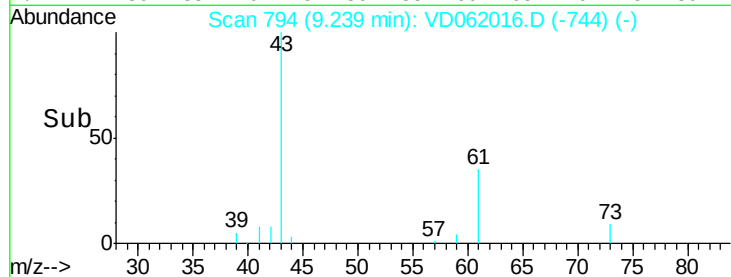
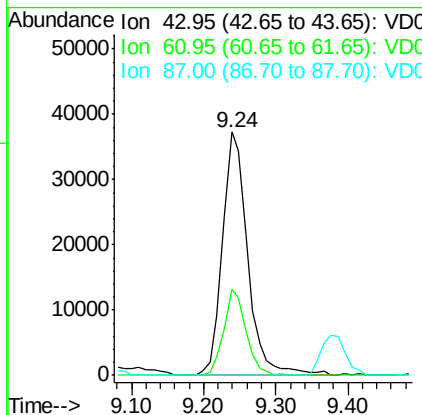
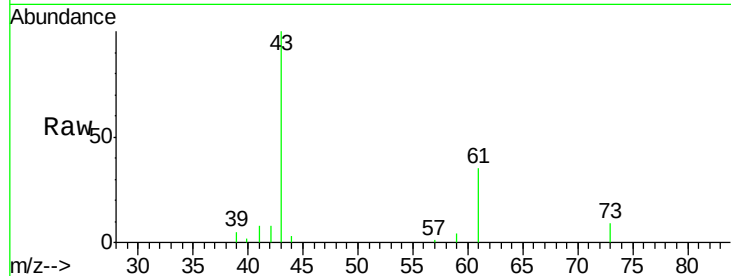


#43

Isopropyl Acetate
 Concen: 20.984 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Instrument :
 MSVOA_D
 ClientSampleId :

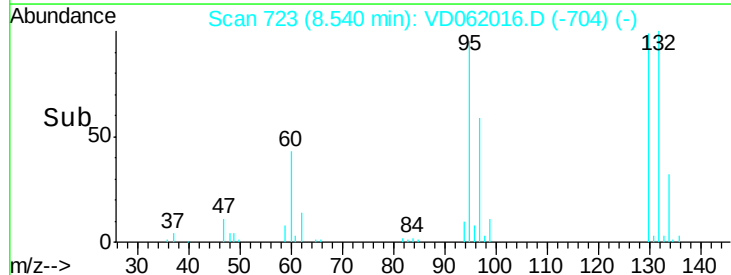
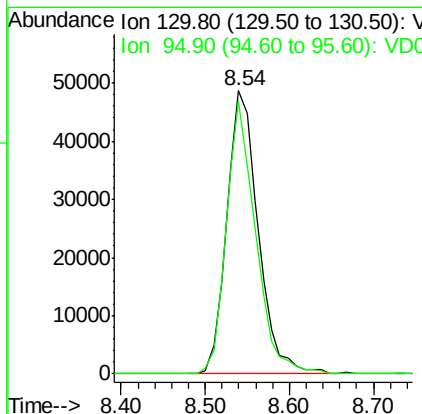
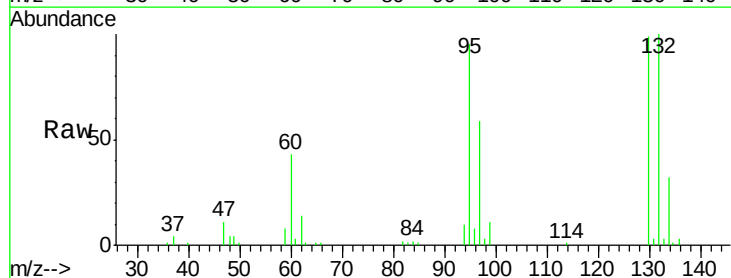
Tot Ion: 43 Resp: 90237
 Ion Ratio Lower Upper
 43 100
 61 35.5 25.1 37.7
 87 0.0 0.0 0.0

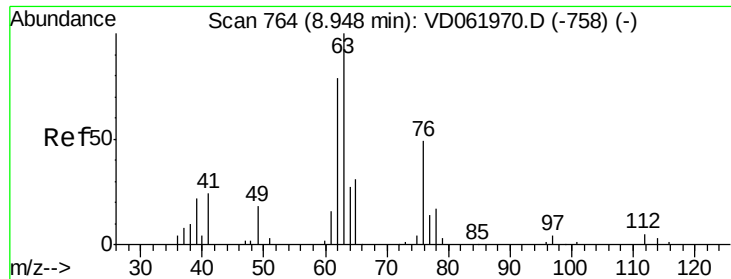


#44

Trichloroethene
 Concen: 19.021 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion:130 Resp: 126081
 Ion Ratio Lower Upper
 130 100
 95 96.3 0.0 174.0

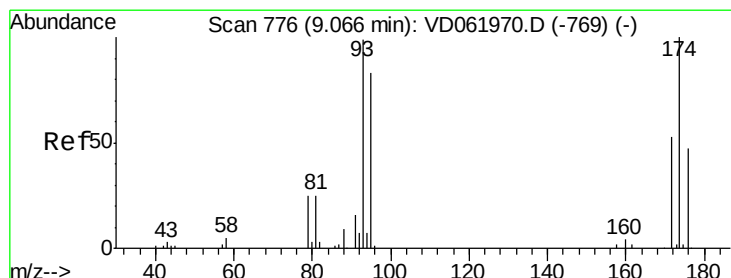
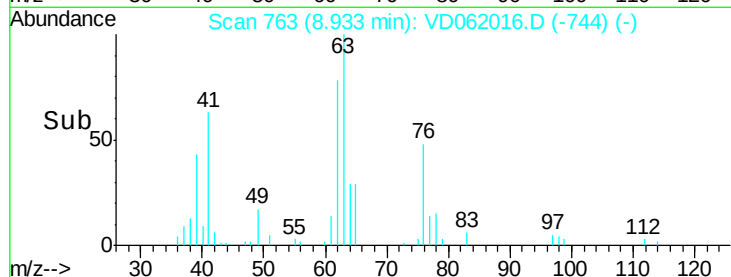
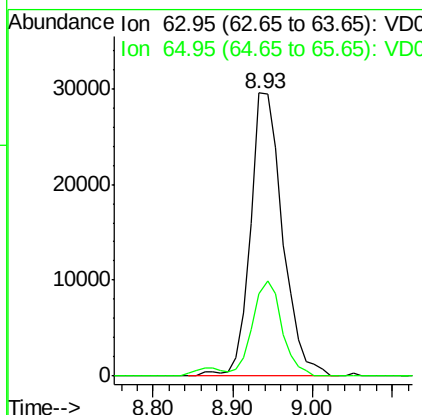
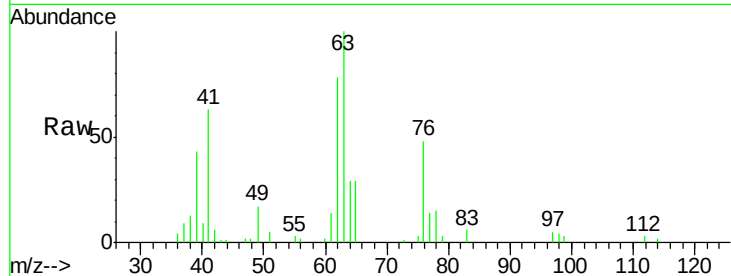




#45
 1,2-Dichloropropane
 Concen: 18.868 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

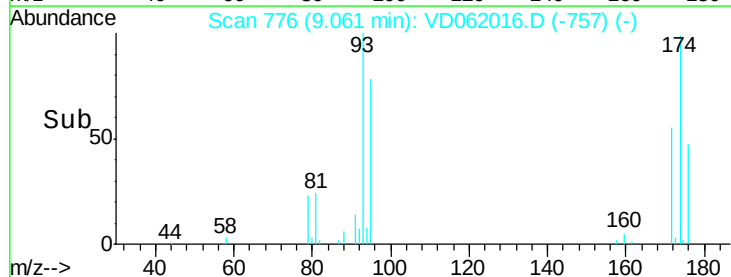
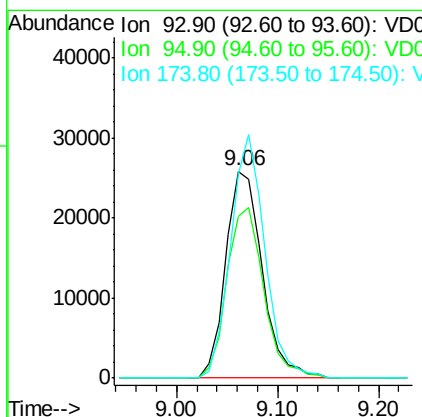
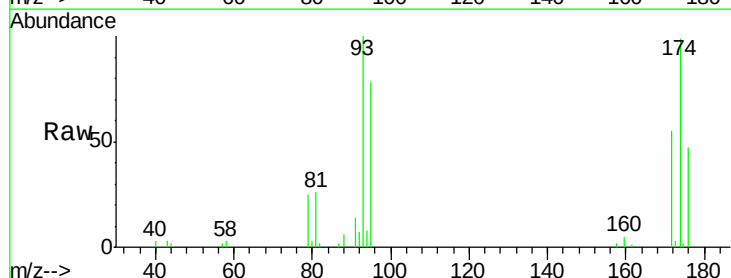
Instrument :
 MSVOA_D
 ClientSampleId :

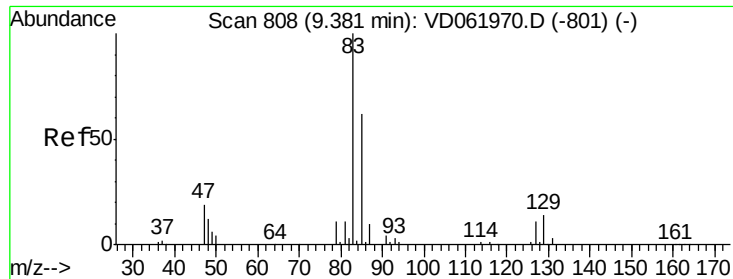
Tot Ion: 63 Resp: 81843
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.8 35.6



#46
 Dibromomethane
 Concen: 20.882 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion: 93 Resp: 65175
 Ion Ratio Lower Upper
 93 100
 95 78.1 64.8 97.2
 174 98.7 79.3 118.9





#47

Bromodichloromethane

Concen: 19.870 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

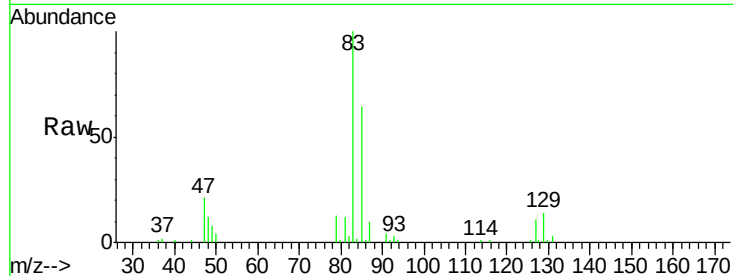
Tot Ion: 83 Resp: 146532

Ion Ratio Lower Upper

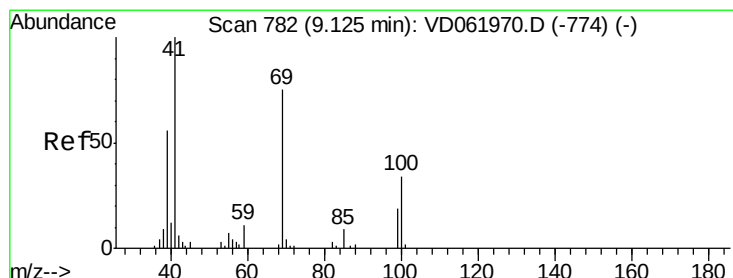
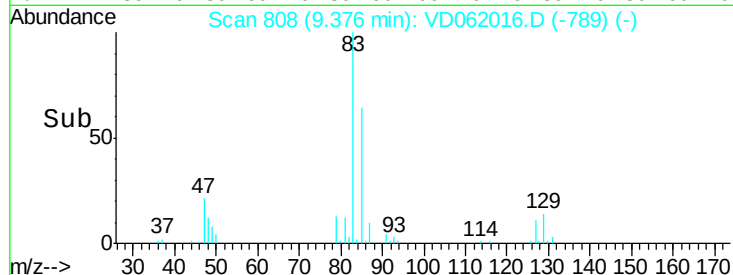
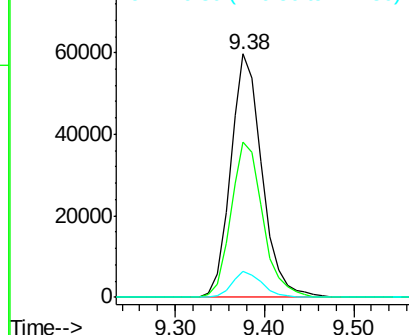
83 100

85 64.0 50.9 76.3

127 10.9 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): V



#48

Methyl methacrylate

Concen: 22.988 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

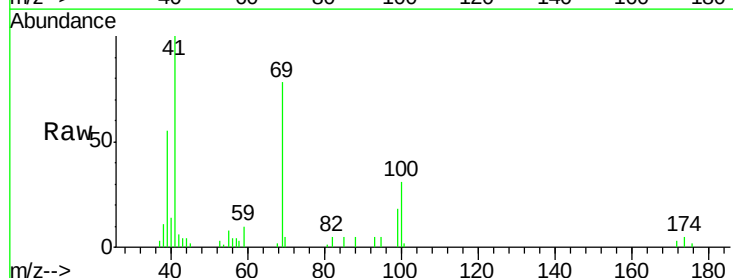
Tgt Ion: 41 Resp: 56401

Ion Ratio Lower Upper

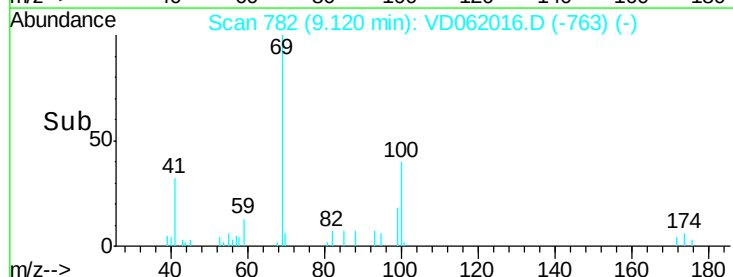
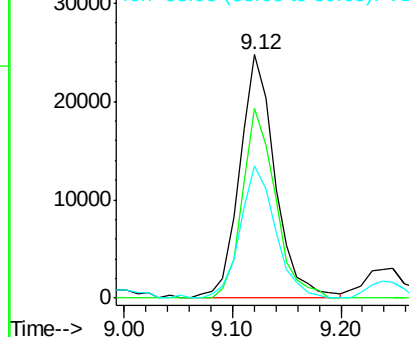
41 100

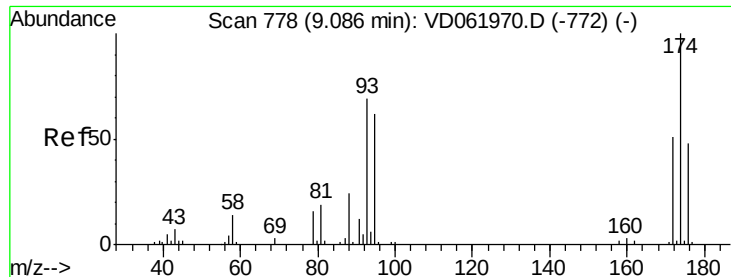
69 78.0 64.2 96.2

39 54.5 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

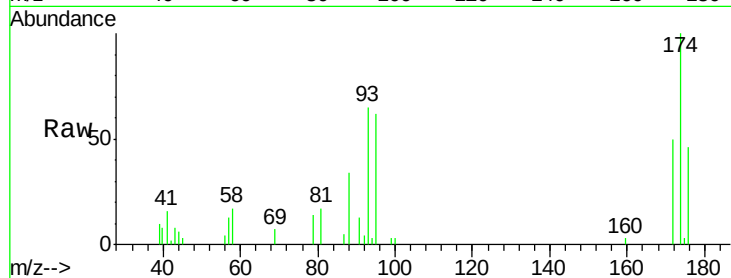




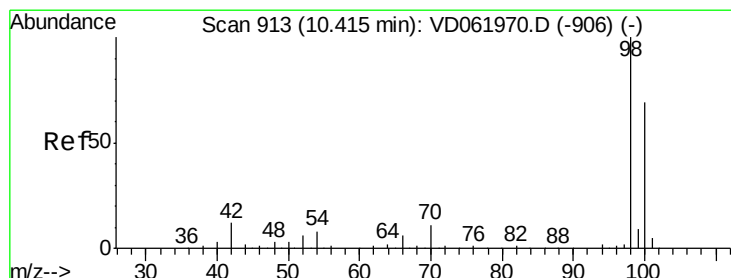
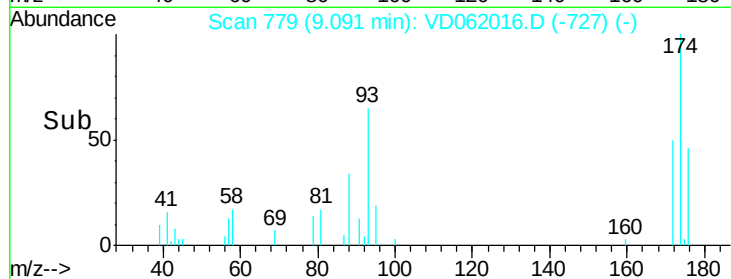
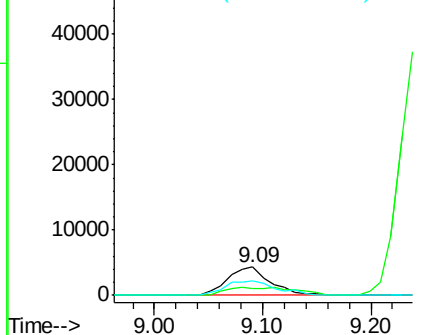
#49
1,4-Dioxane
Concen: 453.090 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11985
Ion Ratio Lower Upper
88 100
43 24.6 23.4 35.0
58 51.4 44.0 66.0

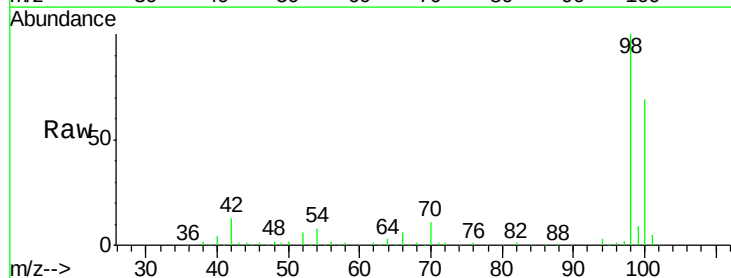


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

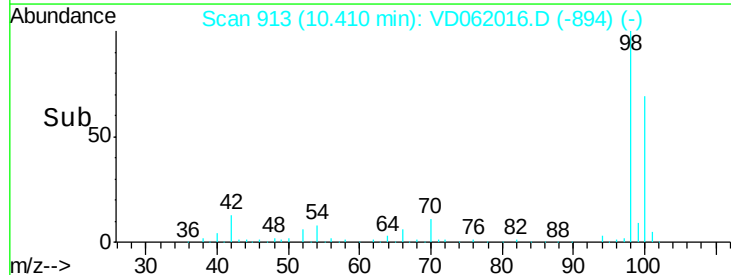
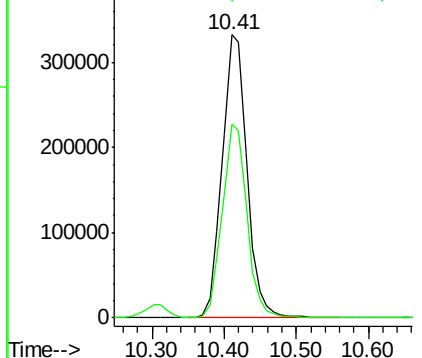


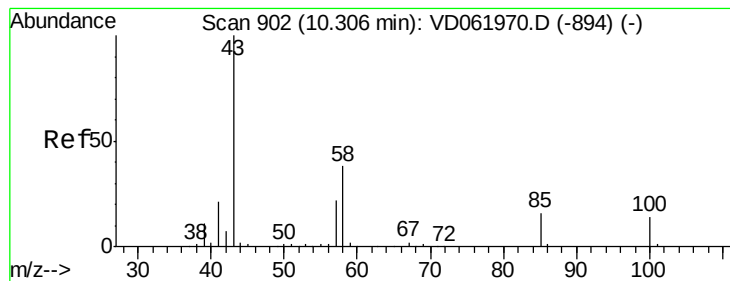
#50
Toluene-d8
Concen: 453.090 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 98 Resp: 790867
Ion Ratio Lower Upper
98 100
100 68.6 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: 111.612 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

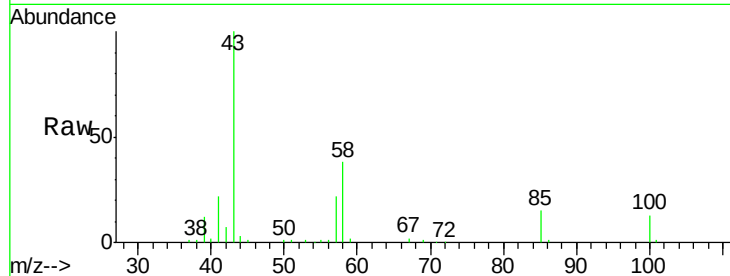
ClientSampleId :

Tot Ion: 43 Resp: 293520

Ion Ratio Lower Upper

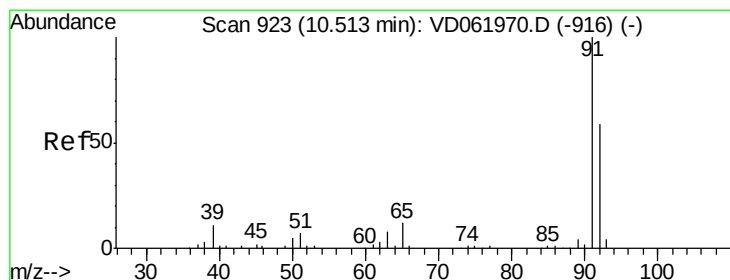
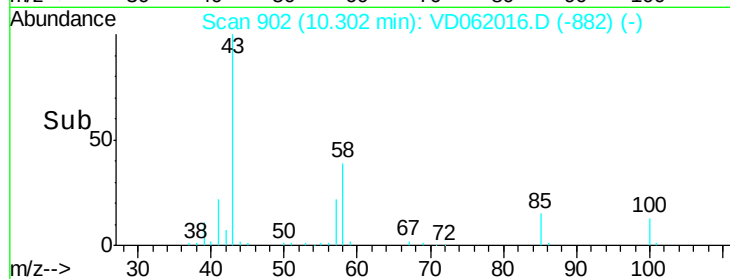
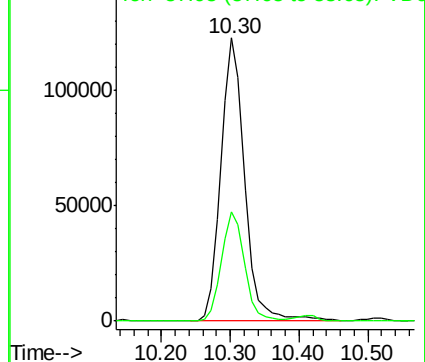
43 100

58 38.5 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: 18.002 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062016.D

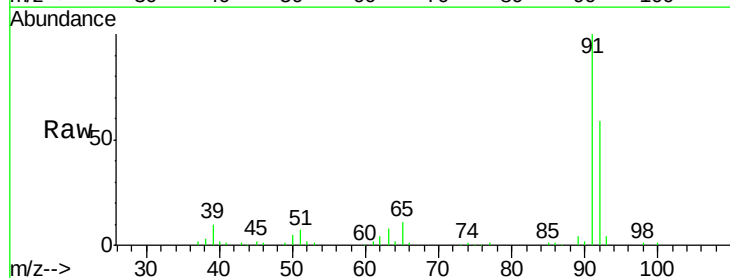
Acq: 25 Apr 2019 3:05

Tgt Ion: 92 Resp: 196258

Ion Ratio Lower Upper

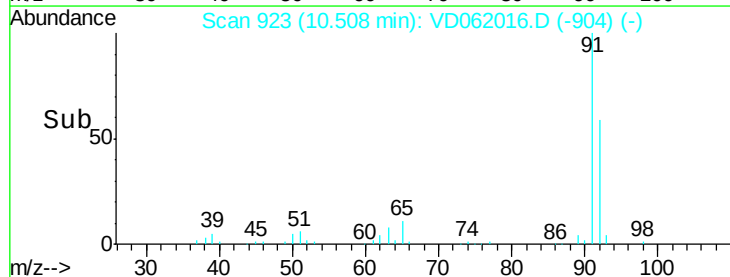
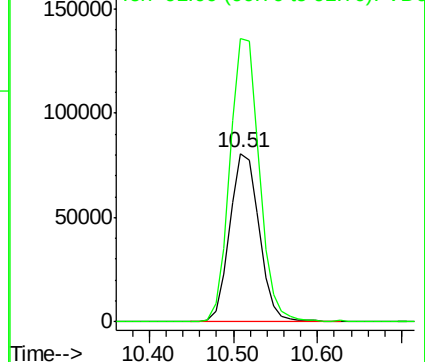
92 100

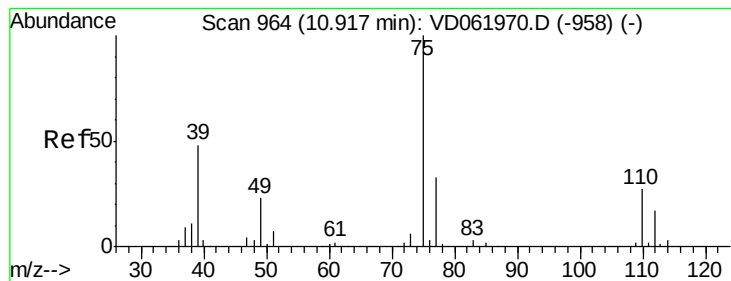
91 168.2 136.6 204.8



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: 21.239 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

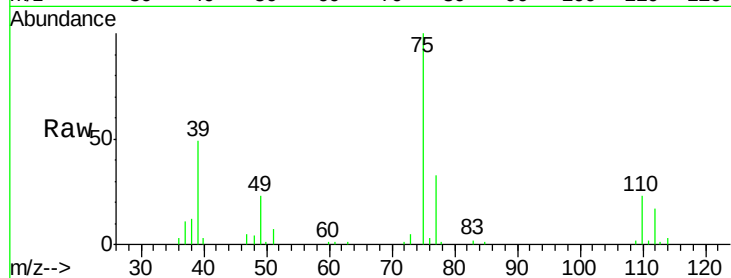
ClientSampleId :

Tot Ion: 75 Resp: 131474

Ion Ratio Lower Upper

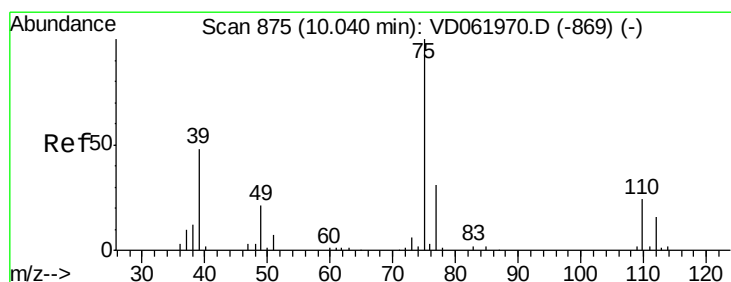
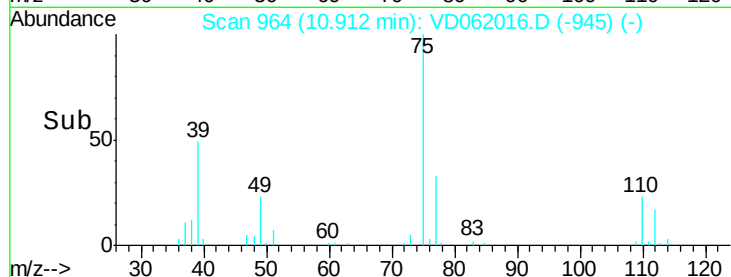
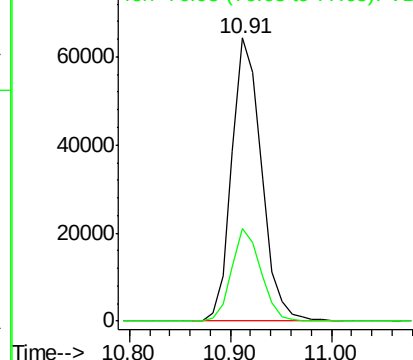
75 100

77 32.5 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: 20.356 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

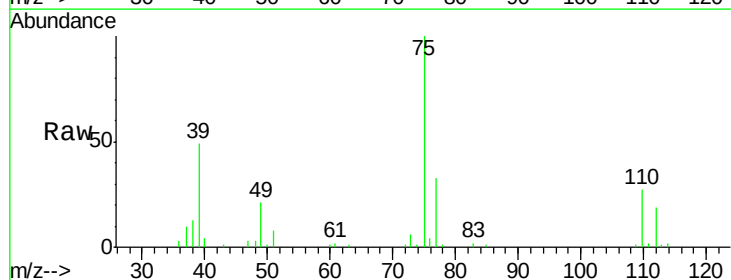
Tgt Ion: 75 Resp: 153255

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3

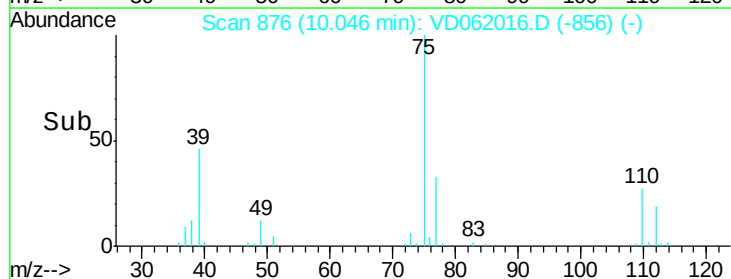
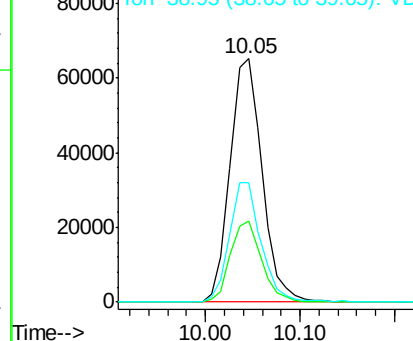
39 49.0 39.4 59.2

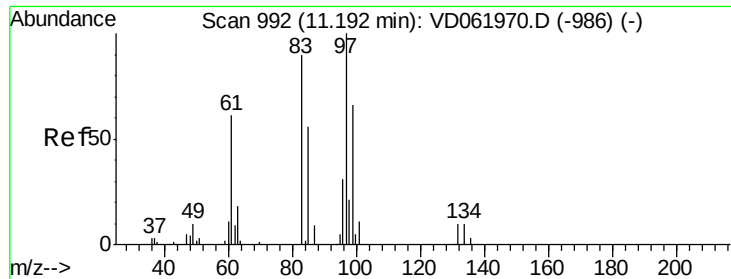


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

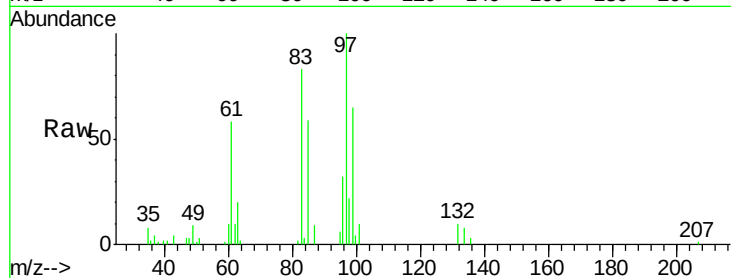




#55
 1,1,2-Trichloroethane
 Concen: 21.634 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	79179
Ion	Ratio	Lower	Upper
97	100		
83	82.9	65.7	98.5
85	59.4	45.6	68.4
99	65.4	48.4	72.6

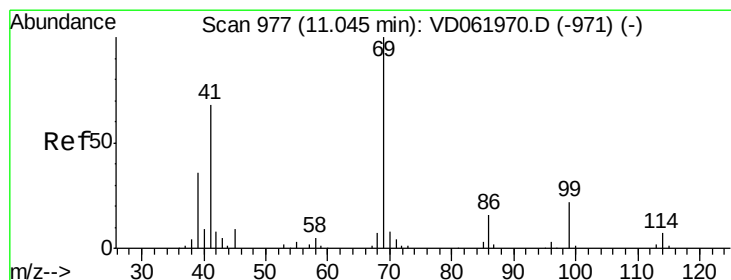
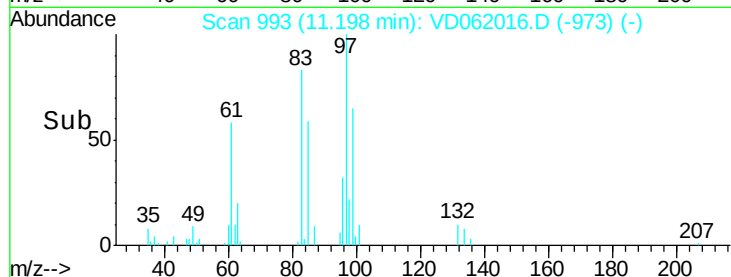
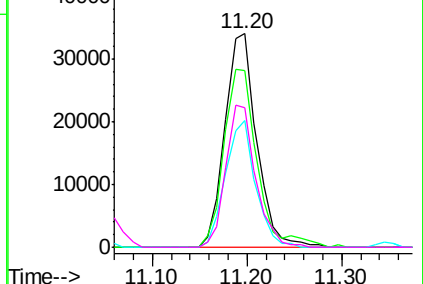


Abundance Ion 96.85 (96.55 to 97.55): VD062016.D (-973) (-)

Ion 82.95 (82.65 to 83.65): VD062016.D (-973) (-)

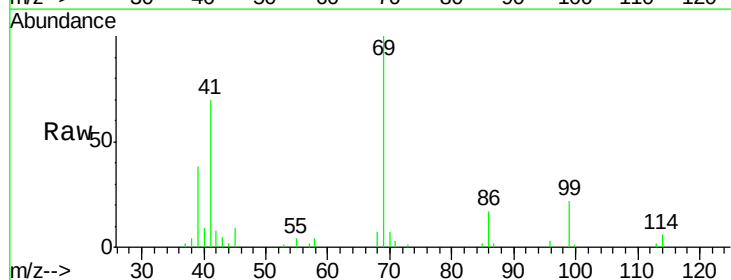
Ion 84.95 (84.65 to 85.65): VD062016.D (-973) (-)

Ion 98.85 (98.55 to 99.55): VD062016.D (-973) (-)



#56
 Ethyl methacrylate
 Concen: 20.252 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

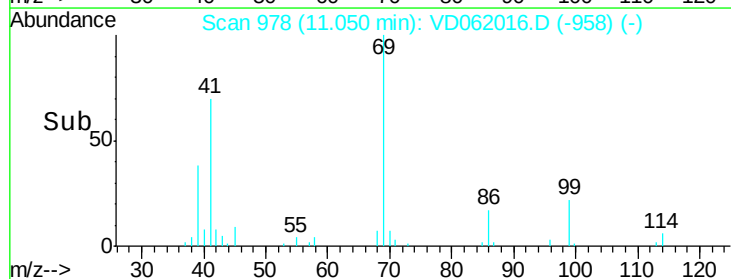
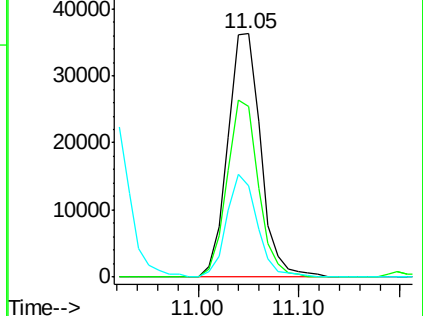
Tgt Ion:	69	Resp:	82092
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.3	84.5
39	37.6	29.4	44.2

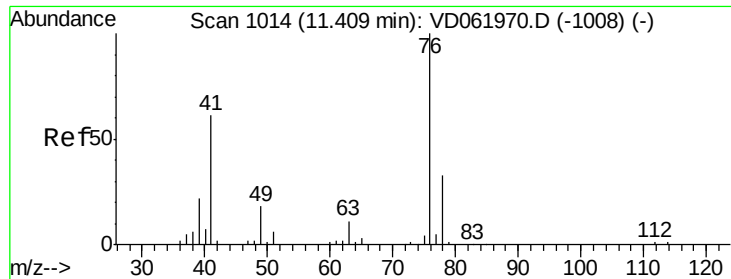


Abundance Ion 69.00 (68.70 to 69.70): VD062016.D (-958) (-)

Ion 41.05 (40.75 to 41.75): VD062016.D (-958) (-)

Ion 38.95 (38.65 to 39.65): VD062016.D (-958) (-)

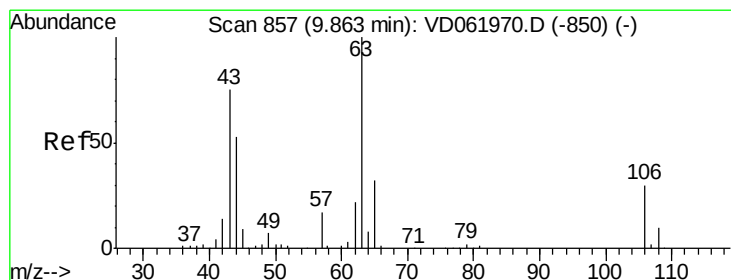
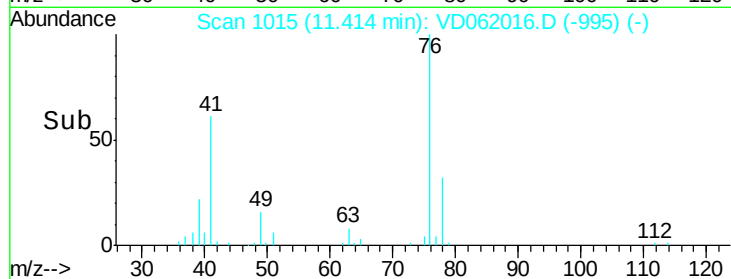
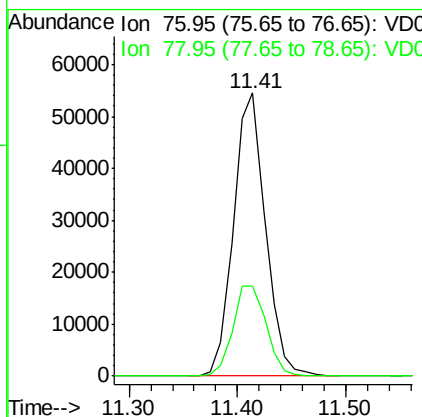
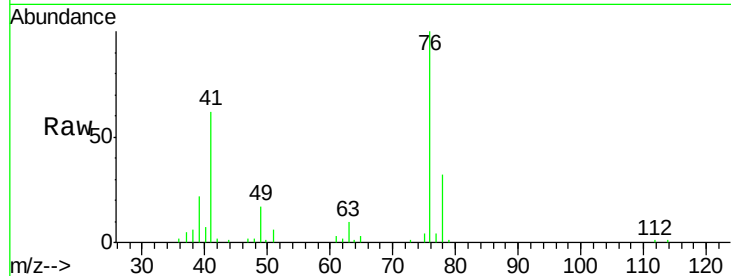




#57
 1,3-Dichloropropane
 Concen: 19.721 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

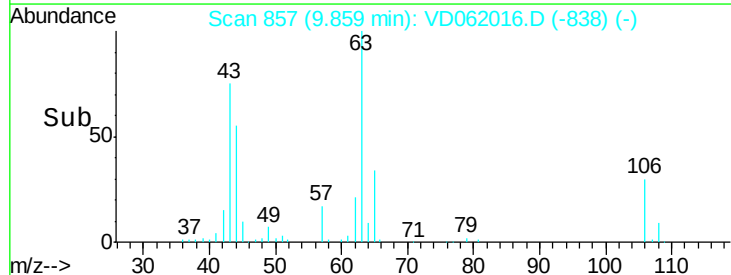
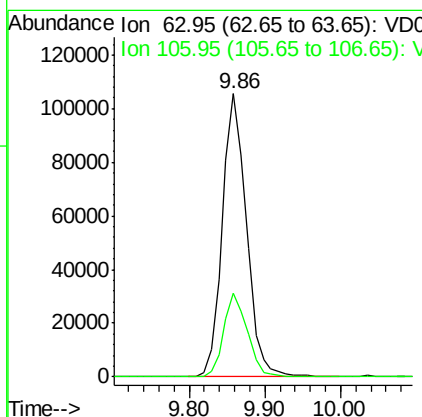
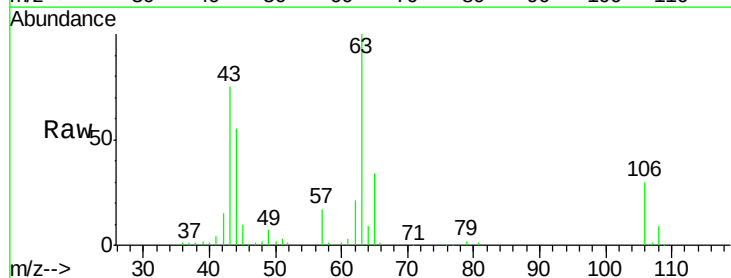
Instrument :
 MSVOA_D
 ClientSampled :

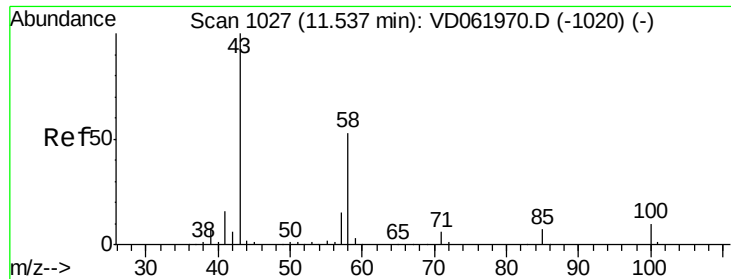
Tot Ion: 76 Resp: 111476
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.059 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion: 63 Resp: 233804
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.6 34.0

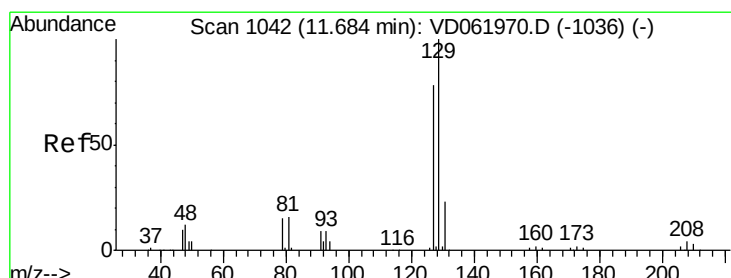
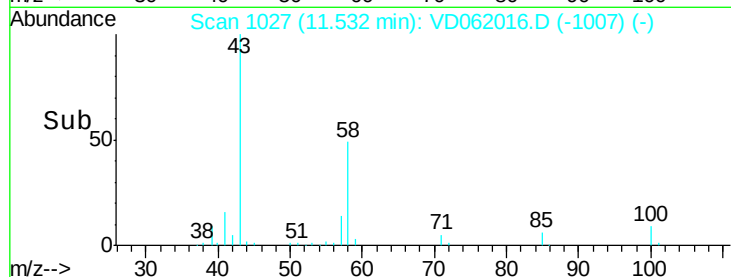
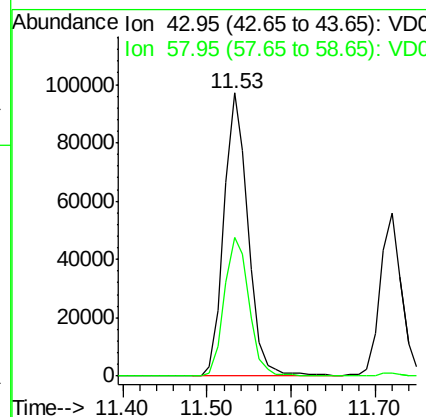
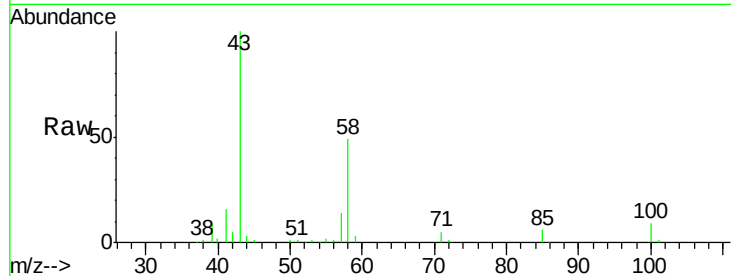




#59
2-Hexanone
Concen: 97.902 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

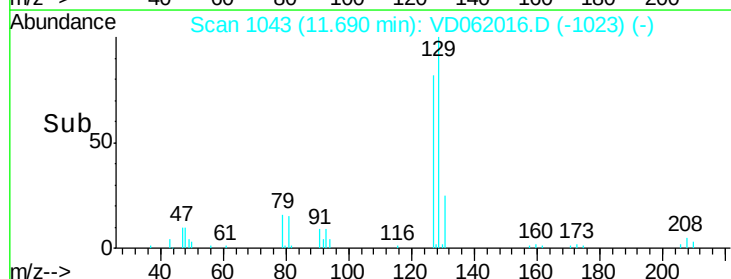
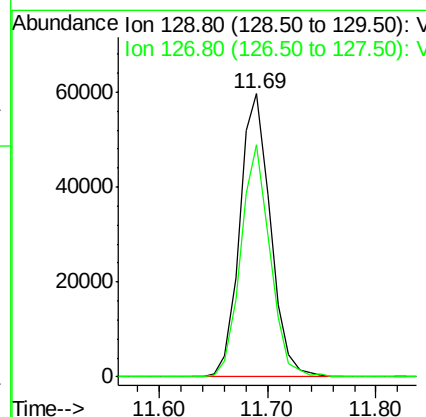
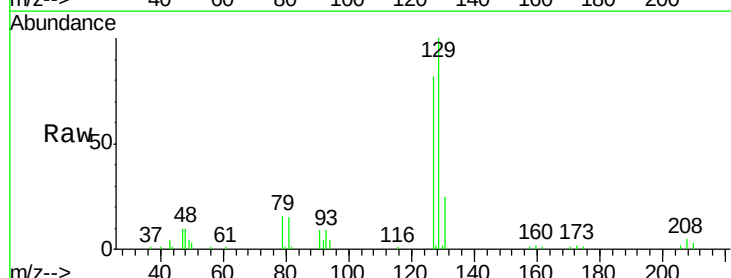
Instrument :
MSVOA_D
ClientSampleId :

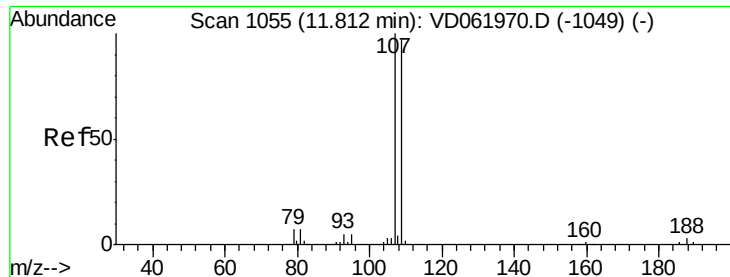
Tot Ion: 43 Resp: 193136
Ion Ratio Lower Upper
43 100
58 48.8 25.4 76.4



#60
Dibromochloromethane
Concen: 19.326 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion:129 Resp: 117038
Ion Ratio Lower Upper
129 100
127 82.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.662 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

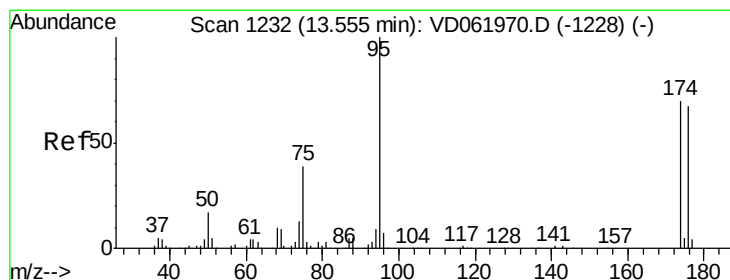
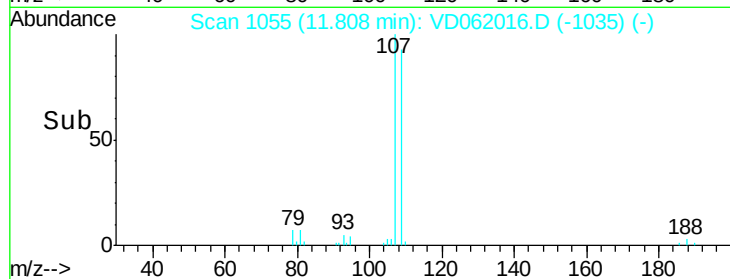
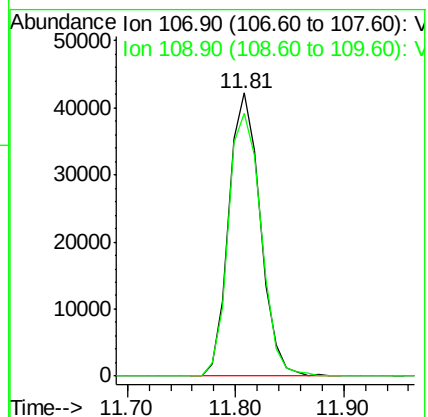
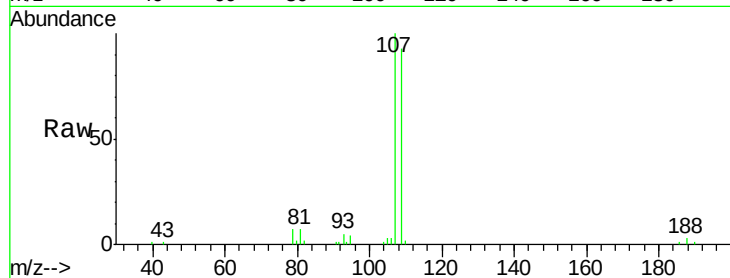
ClientSampleId :

Tot Ion:107 Resp: 85365

Ion Ratio Lower Upper

107 100

109 92.7 78.3 117.5



#62

4-Bromofluorobenzene

Concen: 19.662 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

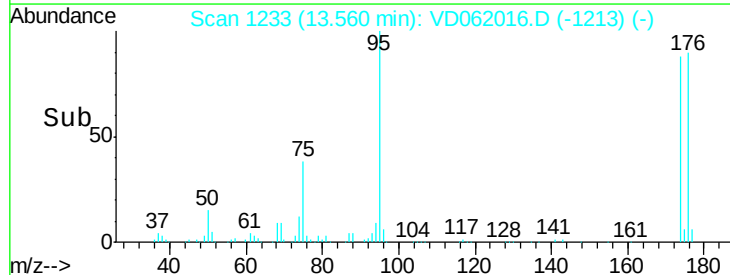
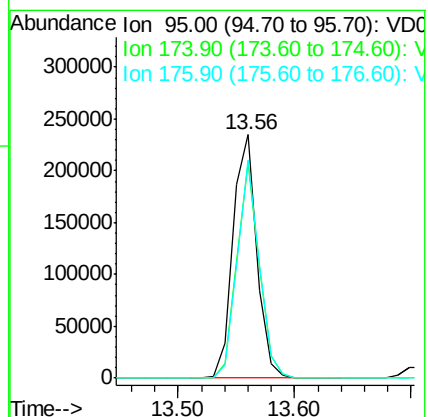
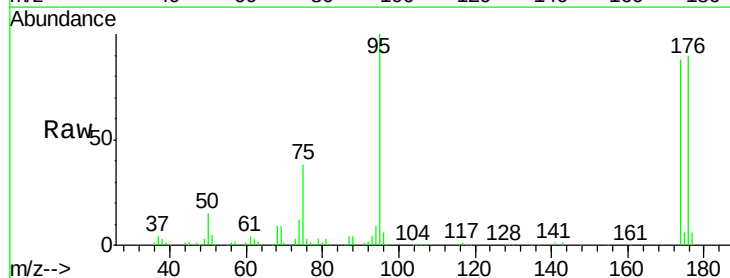
Tgt Ion: 95 Resp: 331456

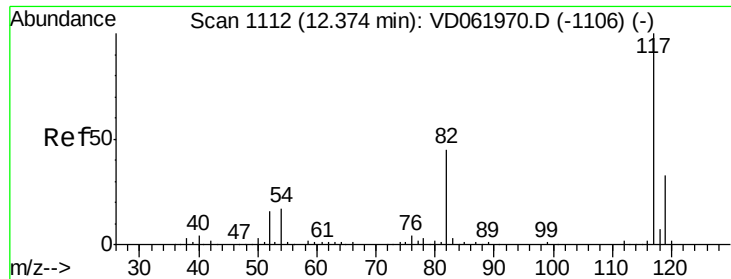
Ion Ratio Lower Upper

95 100

174 88.3 0.0 181.8

176 89.5 0.0 174.4

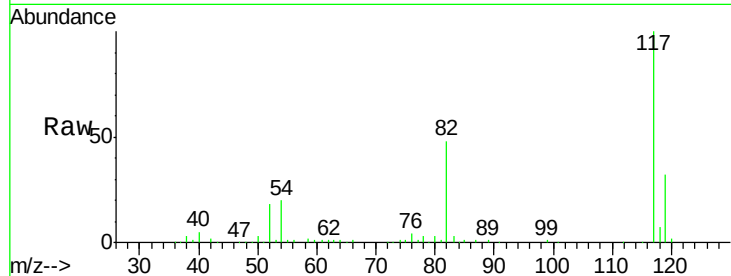




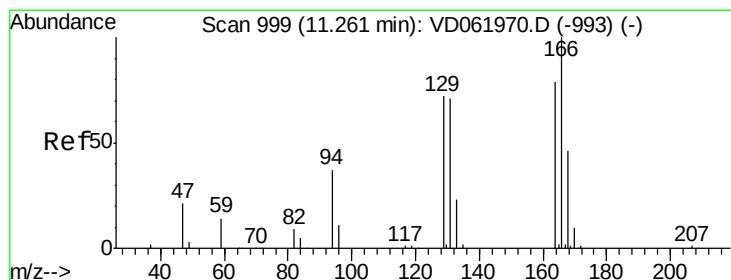
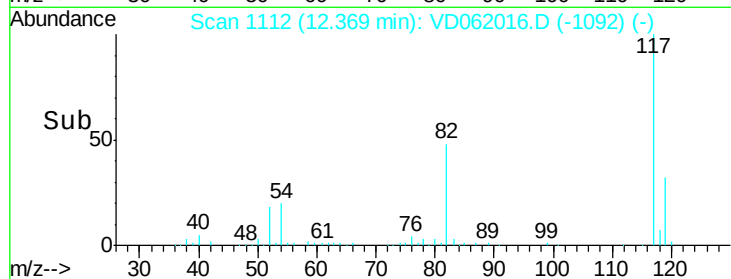
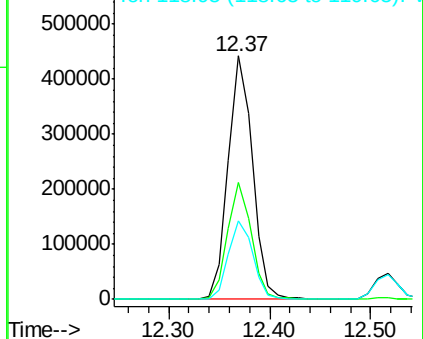
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 742020
Ion Ratio Lower Upper
117 100
82 47.9 36.2 54.2
119 32.2 26.2 39.4

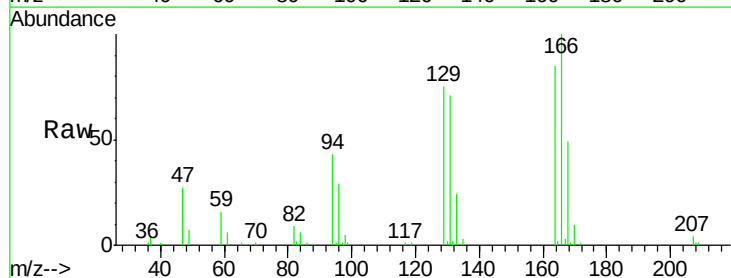


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

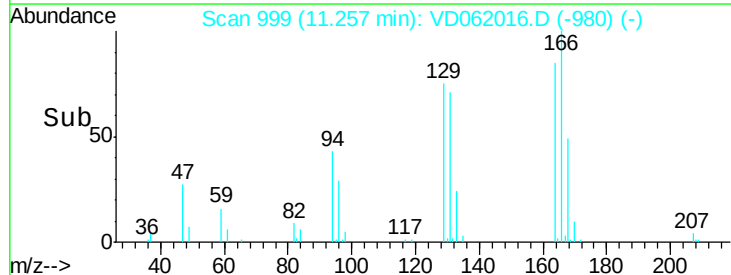
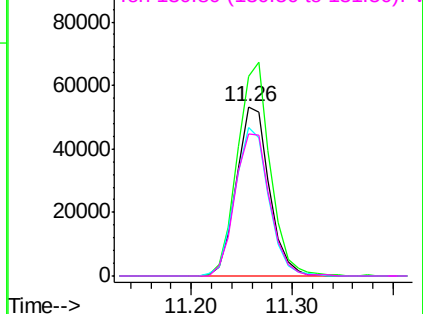


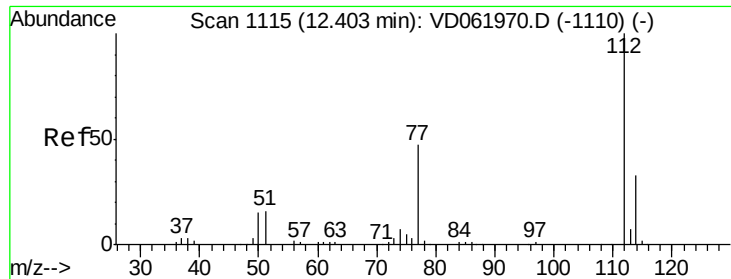
#64
Tetrachloroethene
Concen: 22.730 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion:164 Resp: 120317
Ion Ratio Lower Upper
164 100
166 117.7 101.5 152.3
129 87.9 74.6 112.0
131 84.1 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

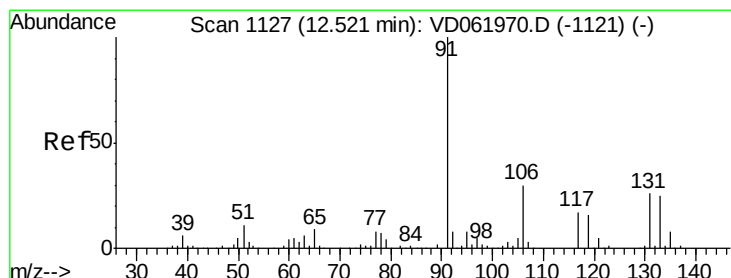
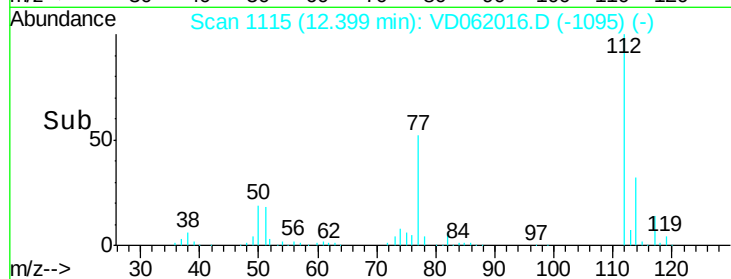
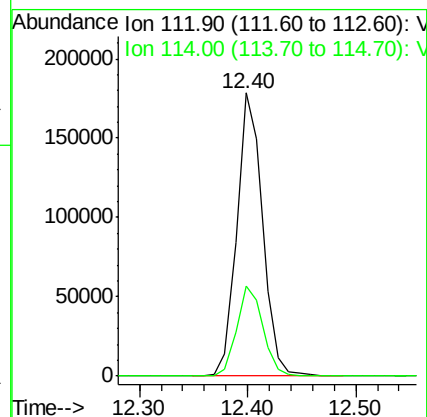
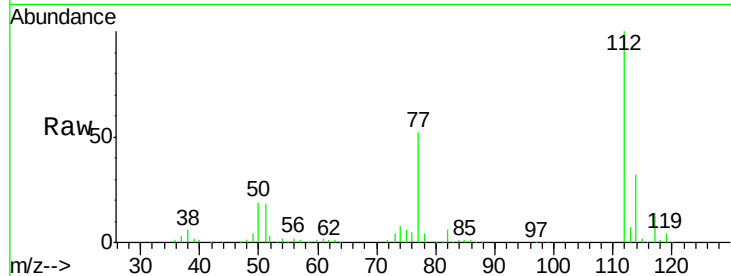




#65
Chlorobenzene
Concen: 21.010 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

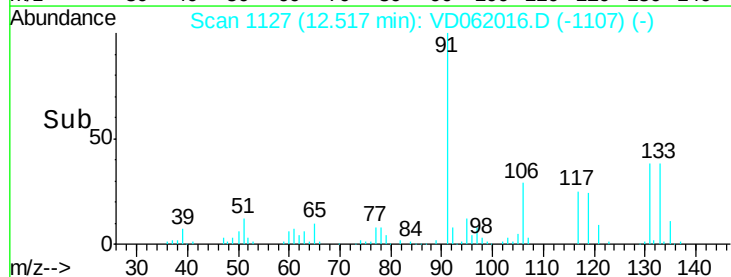
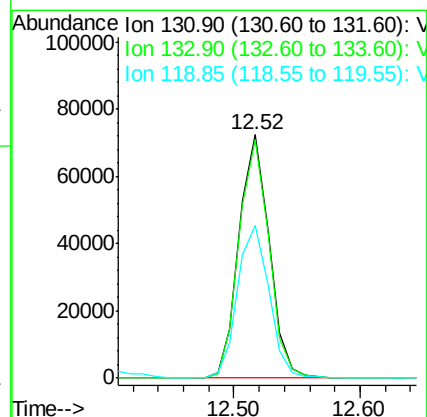
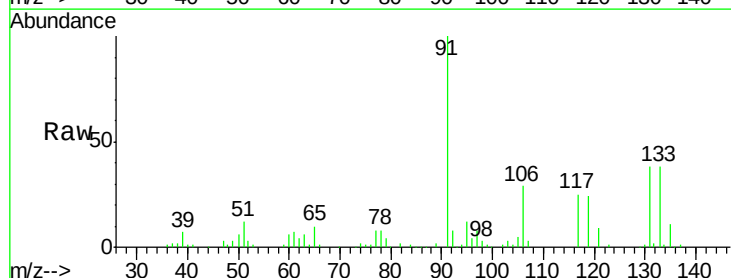
Instrument :
MSVOA_D
ClientSampled :

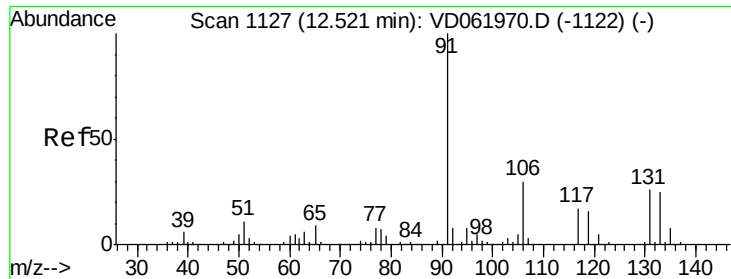
Tot Ion:112 Resp: 294596
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.124 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion:131 Resp: 119693
Ion Ratio Lower Upper
131 100
133 98.2 48.6 145.8
119 62.5 34.7 104.1

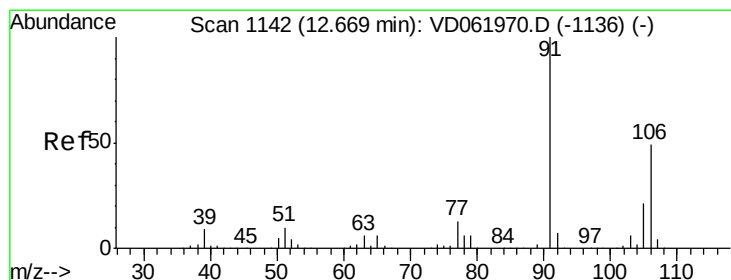
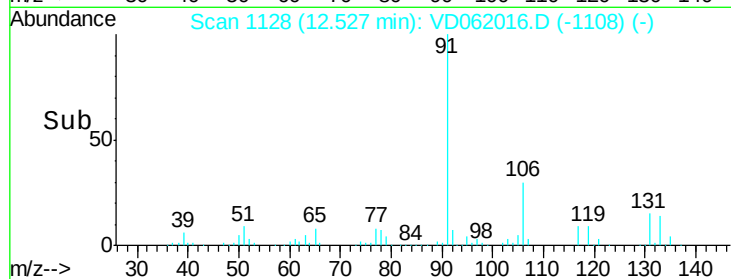
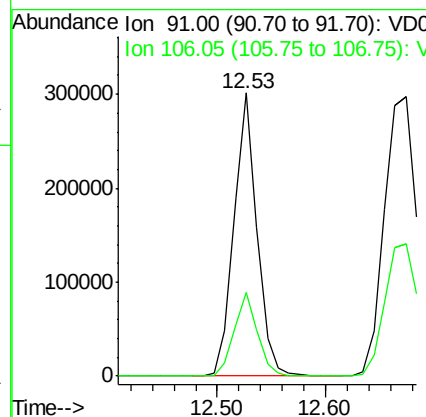
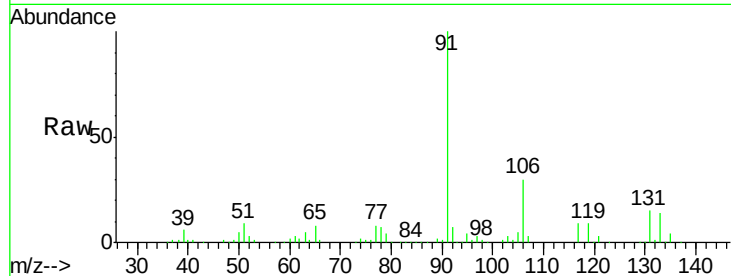




#67
Ethyl Benzene
Concen: 19.550 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

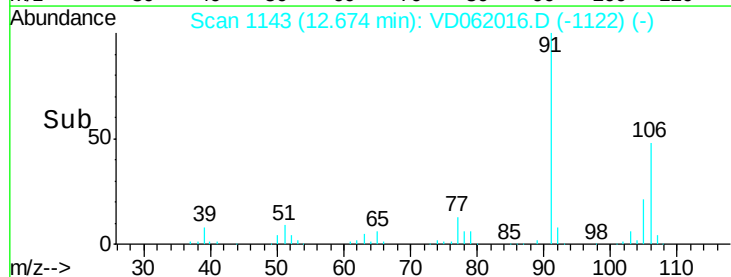
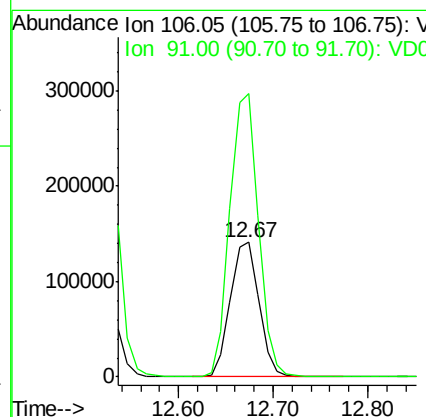
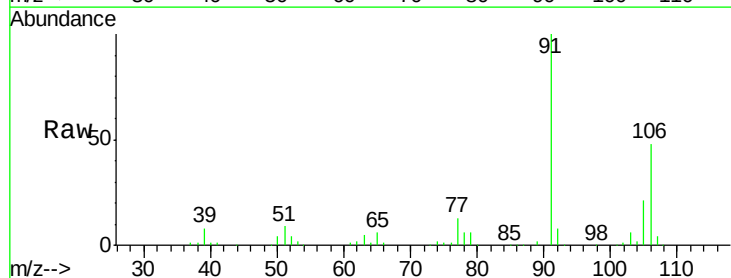
Instrument :
MSVOA_D
ClientSampleId :

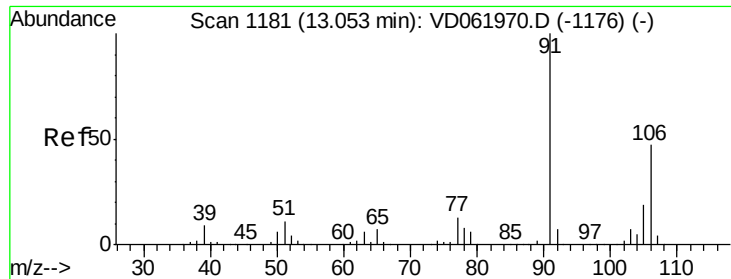
Tot Ion: 91 Resp: 447414
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 36.066 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion: 106 Resp: 298324
Ion Ratio Lower Upper
106 100
91 210.2 164.0 246.0

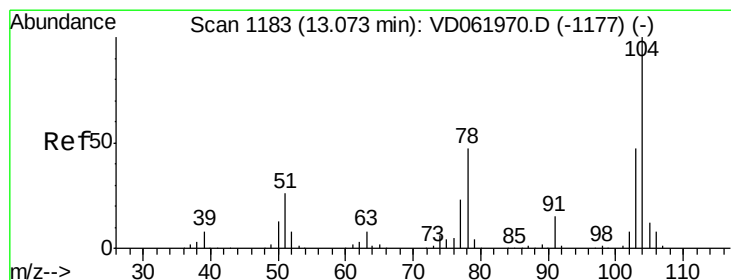
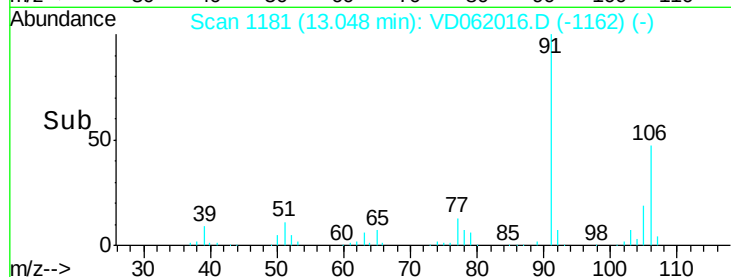
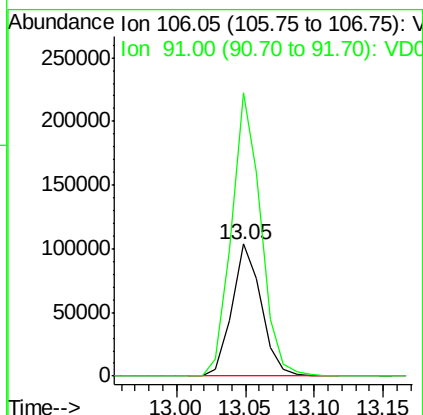
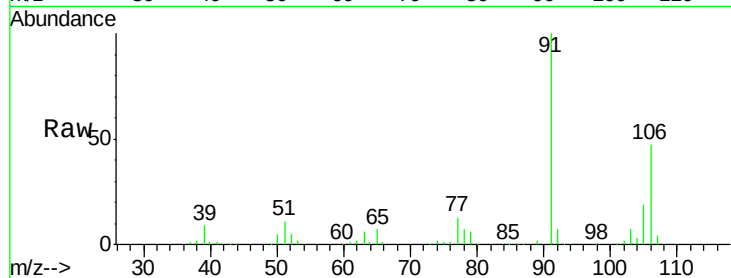




#69
o-Xylene
Concen: 20.204 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

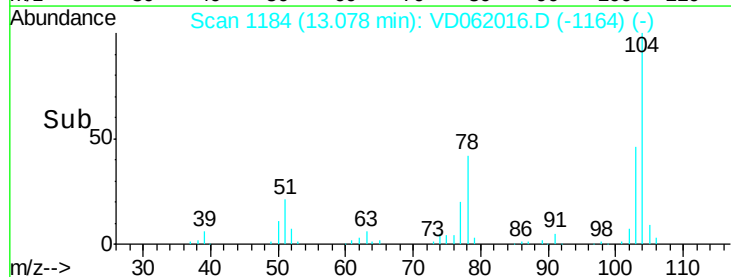
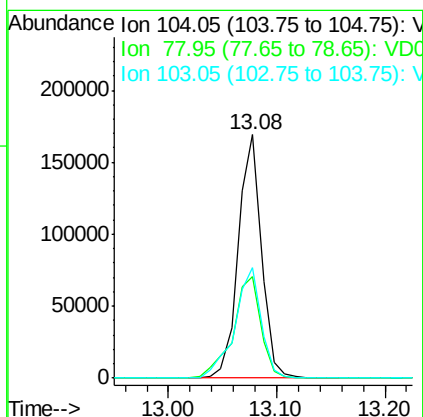
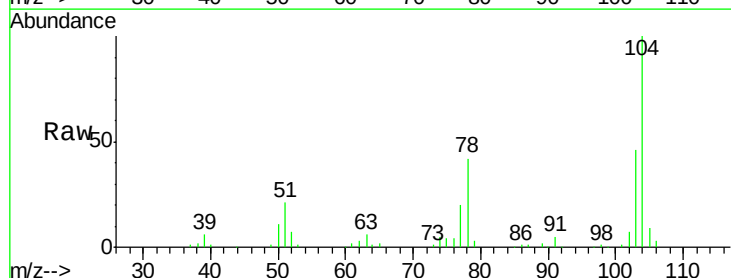
Instrument :
MSVOA_D
ClientSampleId :

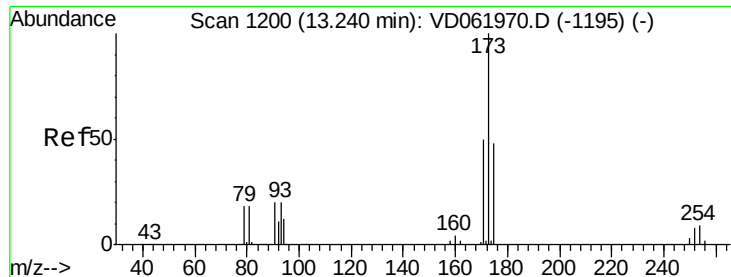
Tot Ion:106 Resp: 152906
Ion Ratio Lower Upper
106 100
91 214.2 106.7 319.9



#70
Styrene
Concen: 19.230 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion:104 Resp: 251294
Ion Ratio Lower Upper
104 100
78 41.6 35.4 53.2
103 45.5 37.5 56.3

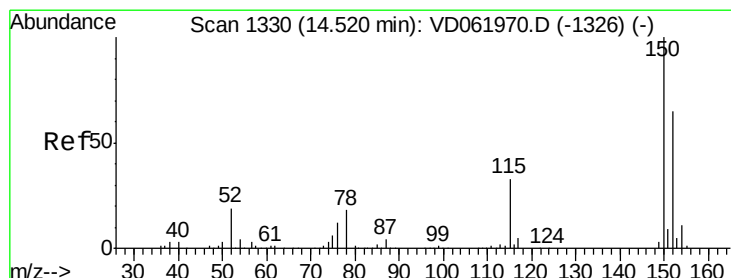
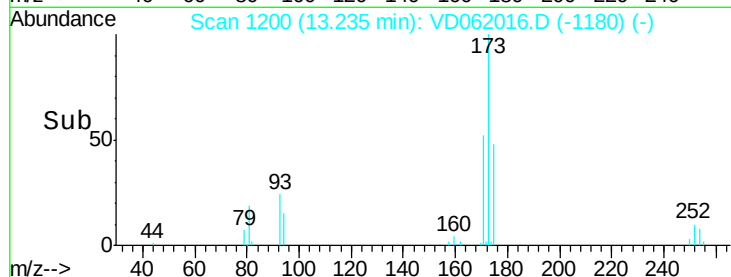
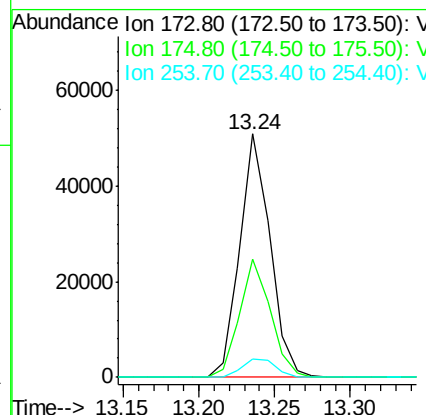
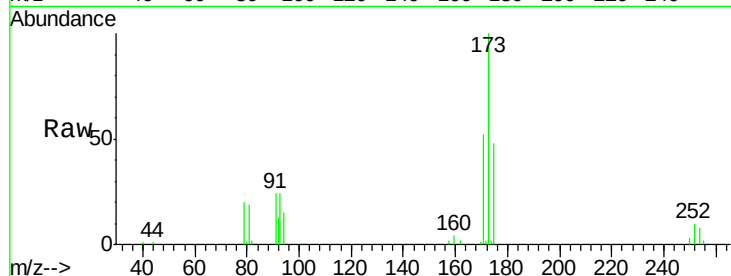




#71
Bromoform
Concen: 20.932 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

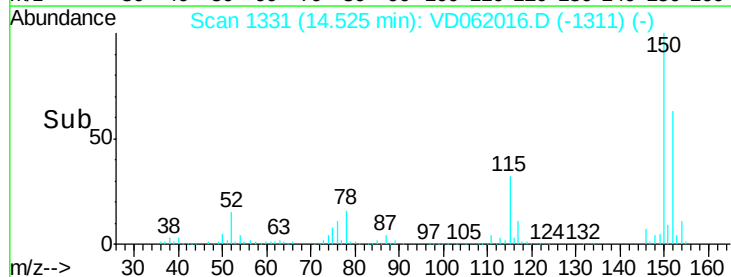
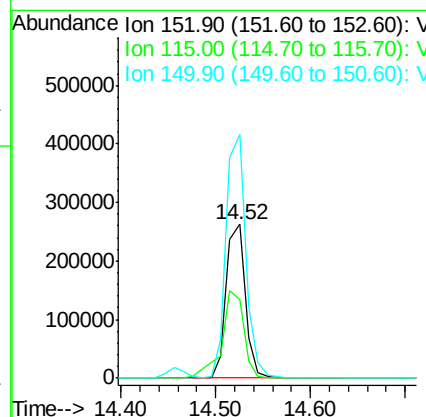
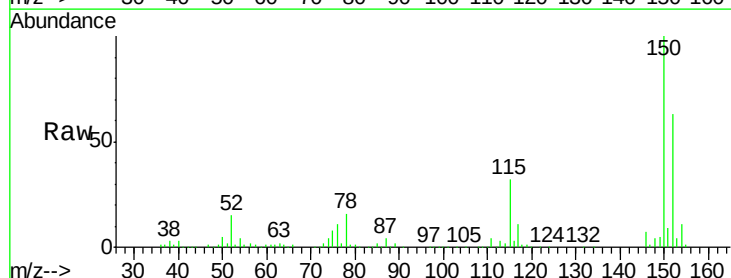
Instrument :
MSVOA_D
ClientSampleId :

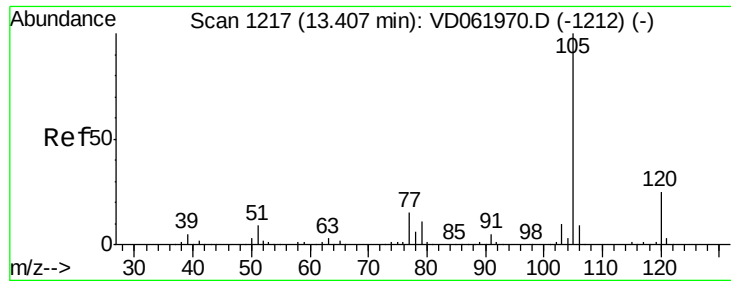
Tot Ion:173 Resp: 70976
Ion Ratio Lower Upper
173 100
175 48.5 24.4 73.4
254 7.5 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion:152 Resp: 367006
Ion Ratio Lower Upper
152 100
115 51.0 30.9 92.7
150 158.6 0.0 314.8





#73

Isopropylbenzene

Concen: 17.670 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

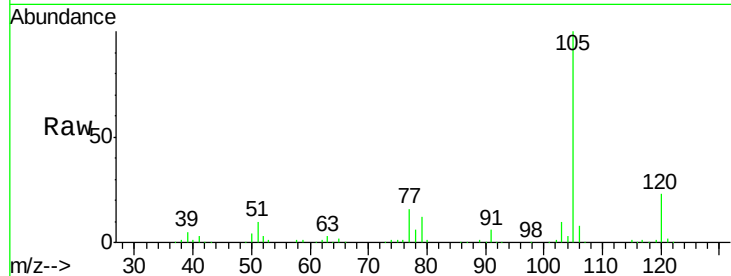
ClientSampleId :

Tot Ion:105 Resp: 432600

Ion Ratio Lower Upper

105 100

120 23.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

300000

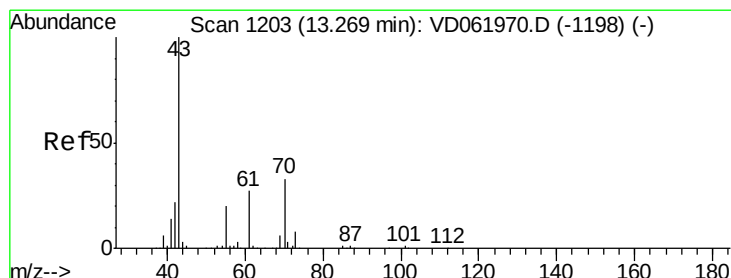
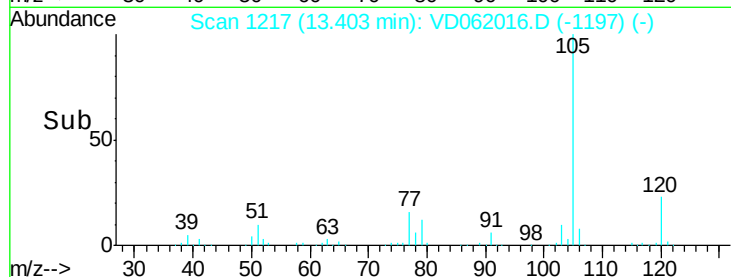
200000

100000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 18.011 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Tgt Ion: 43 Resp: 113559

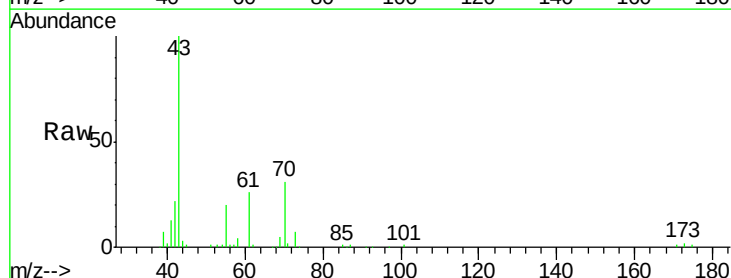
Ion Ratio Lower Upper

43 100

70 31.5 24.2 36.4

55 20.3 16.0 24.0

61 25.5 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

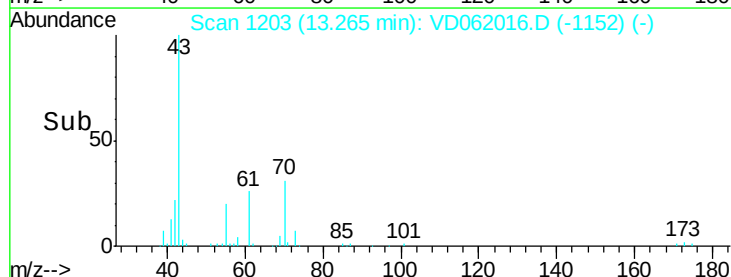
100000

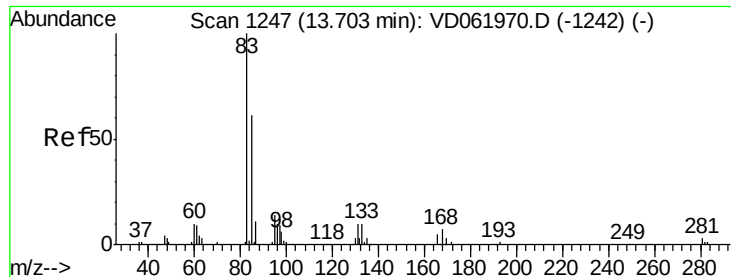
50000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.144 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

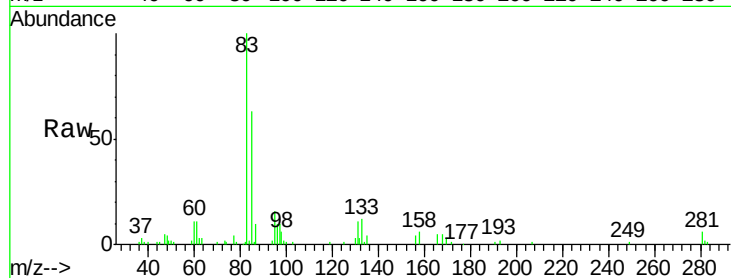
Tot Ion: 83 Resp: 96641

Ion Ratio Lower Upper

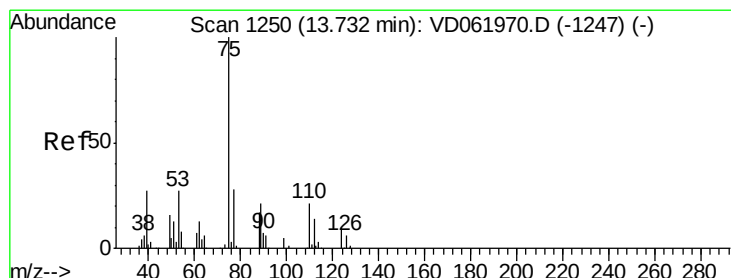
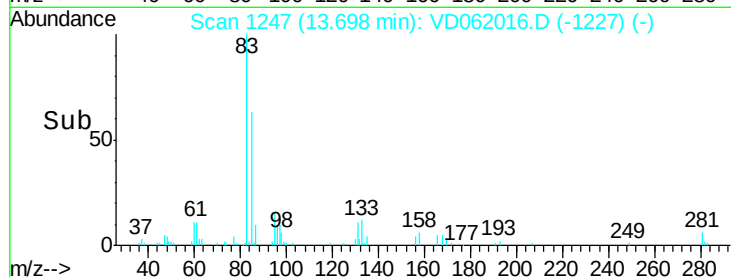
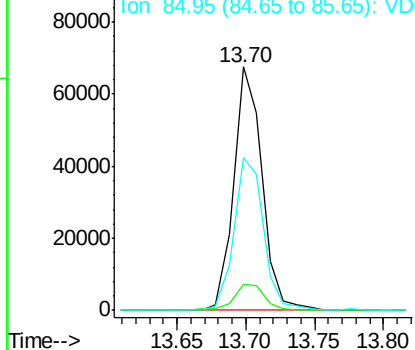
83 100

131 10.6 5.0 14.9

85 63.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.918 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062016.D

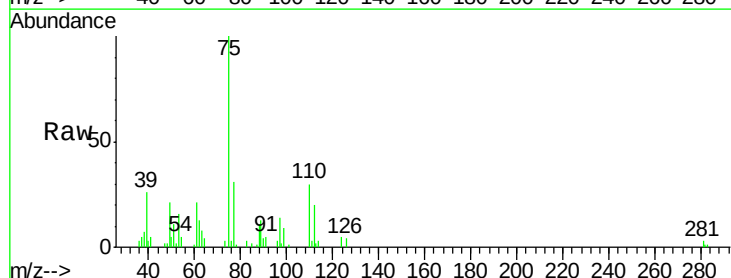
Acq: 25 Apr 2019 3:05

Tgt Ion: 75 Resp: 92829

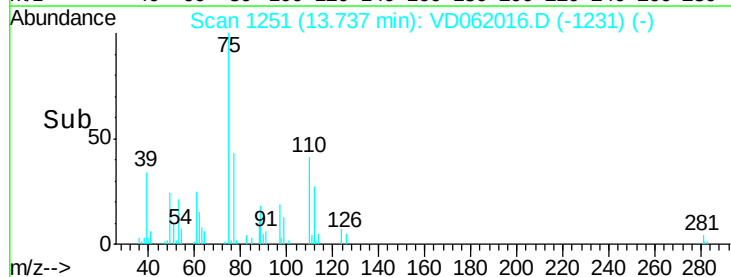
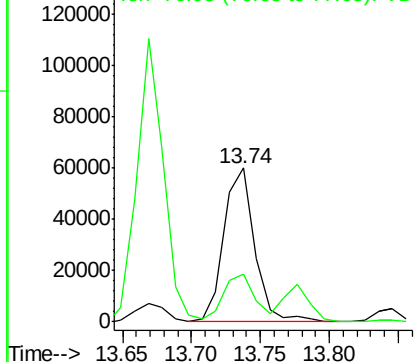
Ion Ratio Lower Upper

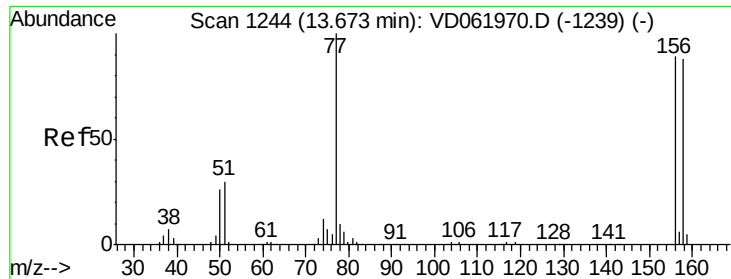
75 100

77 31.4 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: 17.851 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

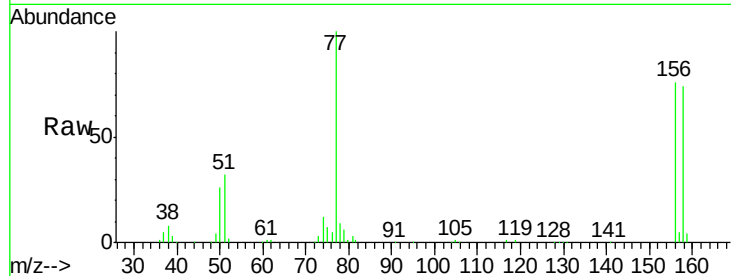
Tot Ion:156 Resp: 125370

Ion Ratio Lower Upper

156 100

77 131.7 53.1 159.4

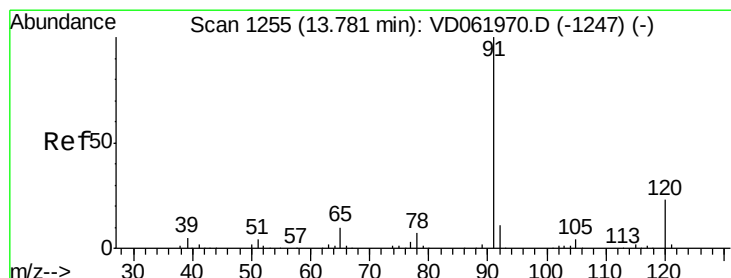
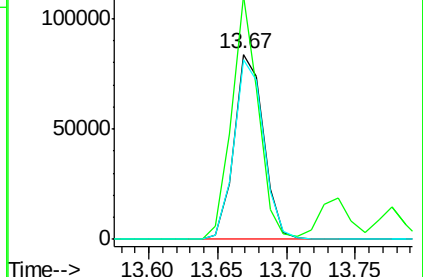
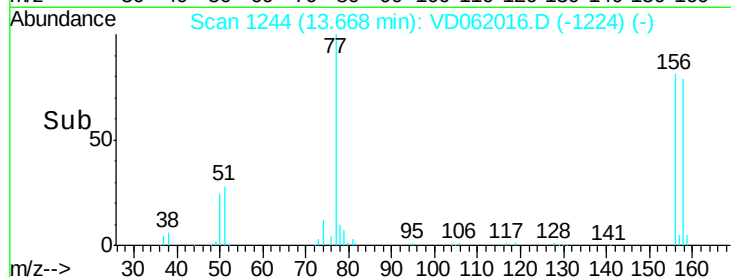
158 97.2 49.4 148.0



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: 17.730 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062016.D

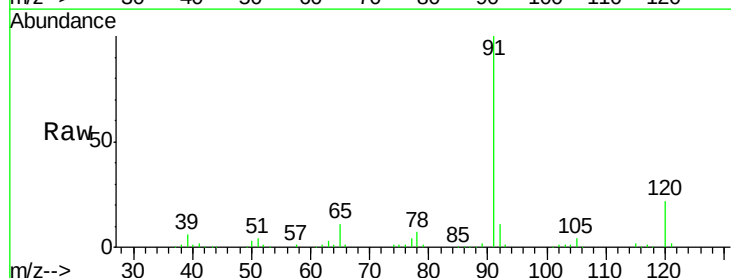
Acq: 25 Apr 2019 3:05

Tgt Ion: 91 Resp: 496897

Ion Ratio Lower Upper

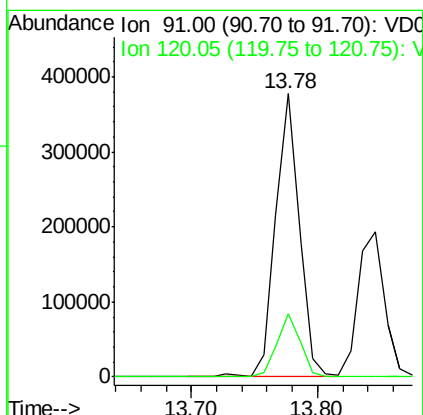
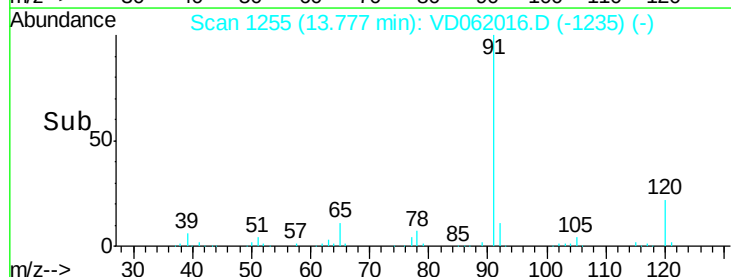
91 100

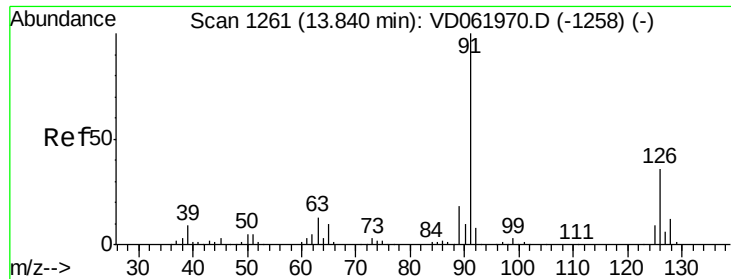
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

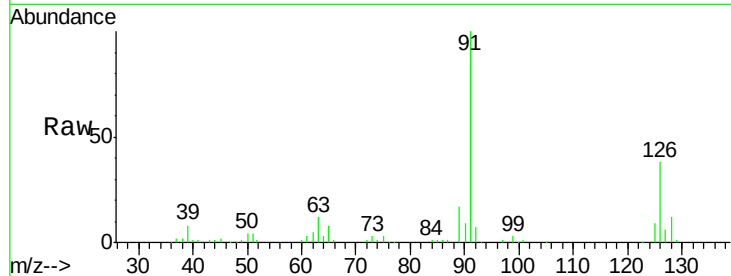




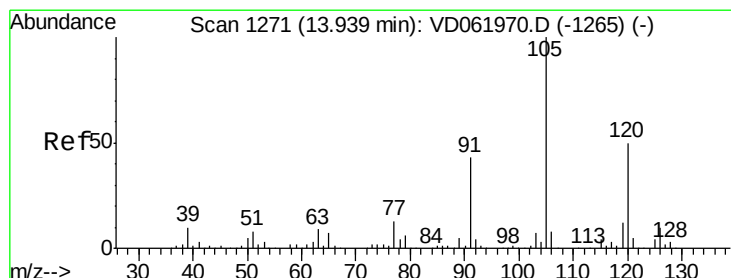
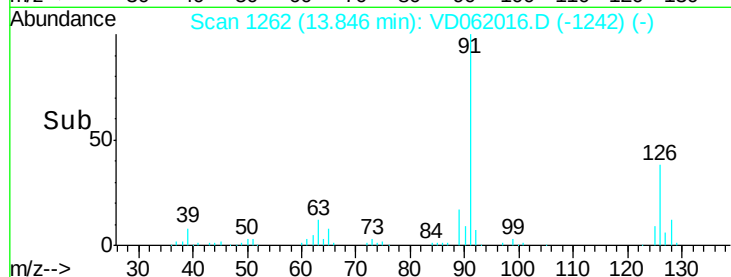
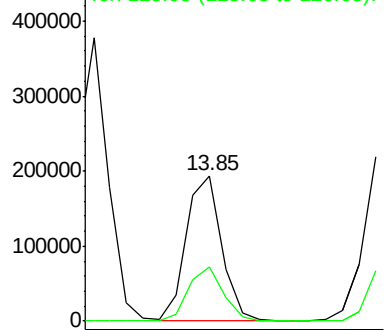
#79
 2-Chlorotoluene
 Concen: 16.644 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 282538
 Ion Ratio Lower Upper
 91 100
 126 37.7 18.6 55.8

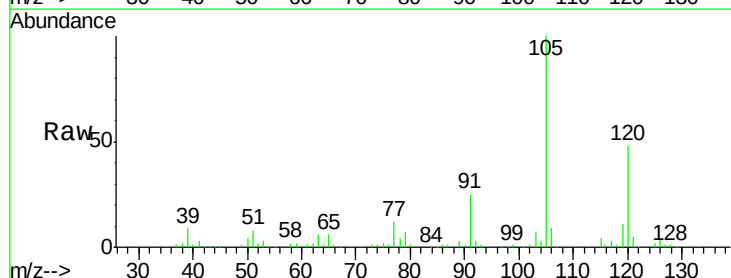


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

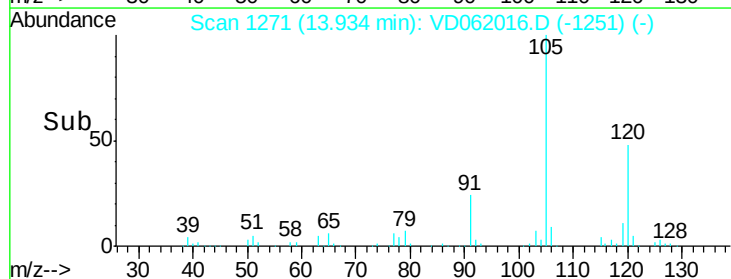
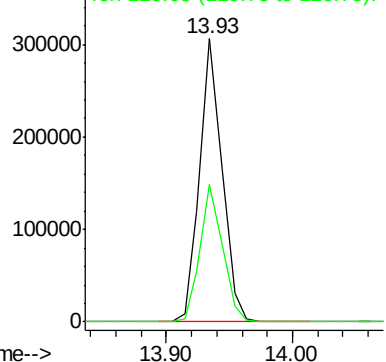


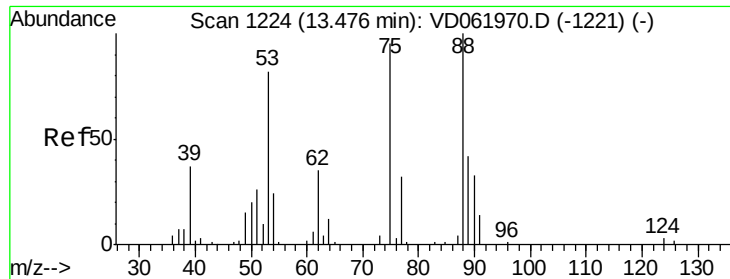
#80
 1,3,5-Trimethylbenzene
 Concen: 19.283 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion:105 Resp: 376430
 Ion Ratio Lower Upper
 105 100
 120 48.4 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: 17.137 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

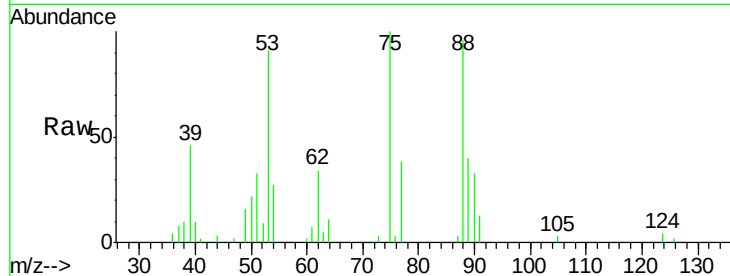
Tot Ion: 75 Resp: 24203

Ion Ratio Lower Upper

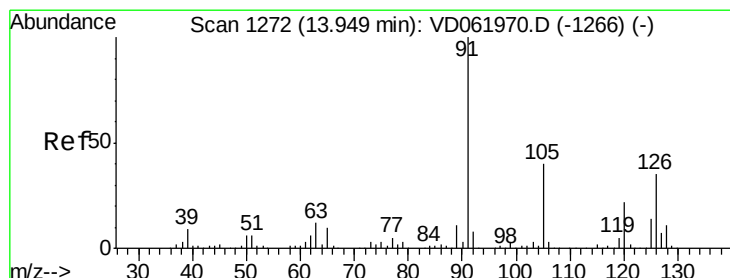
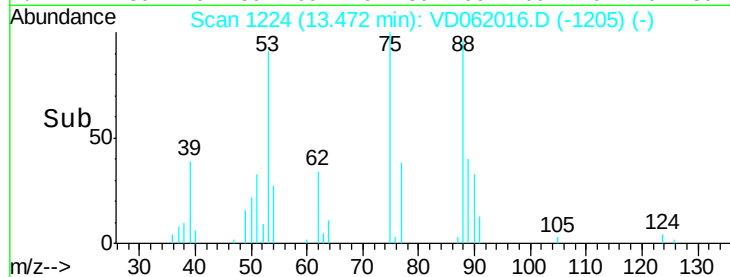
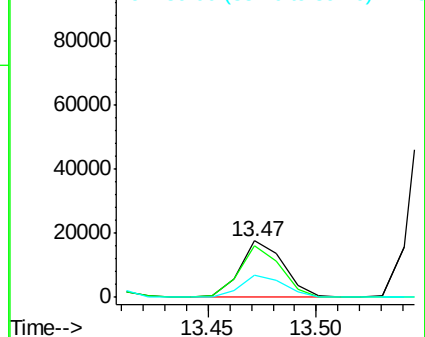
75 100

53 90.8 65.8 98.8

89 39.8 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.560 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062016.D

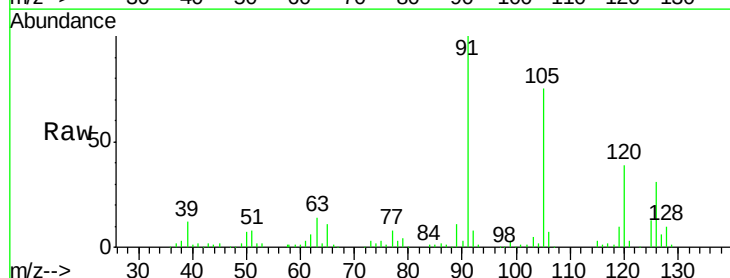
Acq: 25 Apr 2019 3:05

Tgt Ion: 91 Resp: 346981

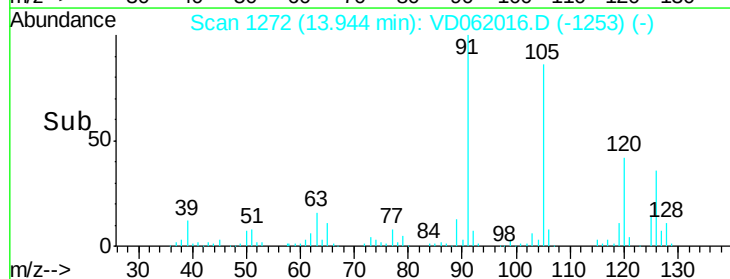
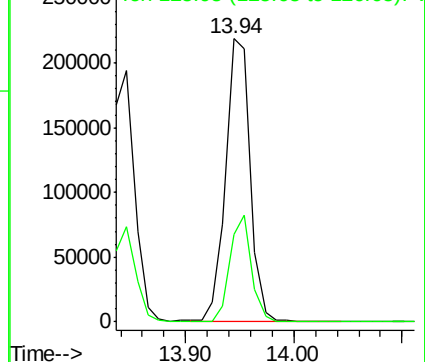
Ion Ratio Lower Upper

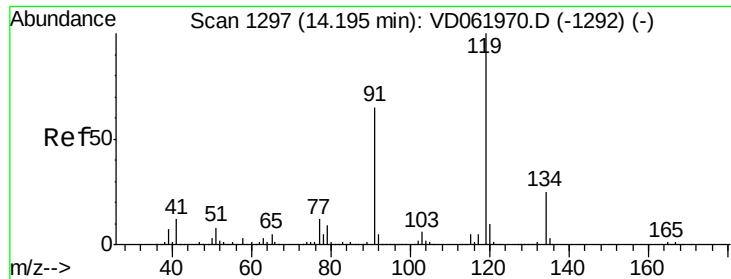
91 100

126 31.1 19.1 57.5



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

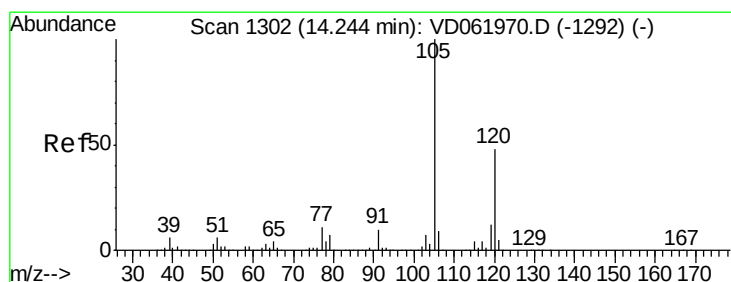
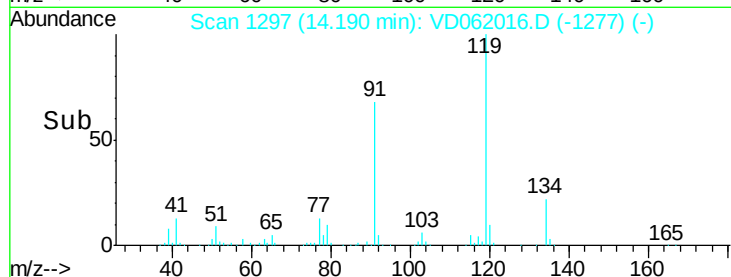
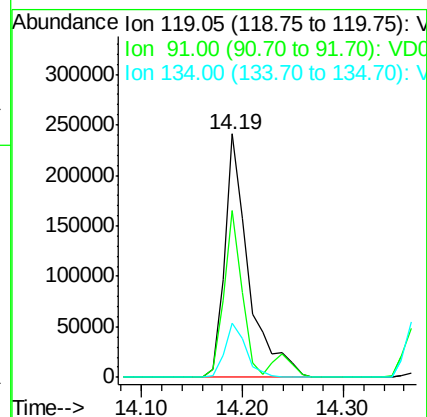
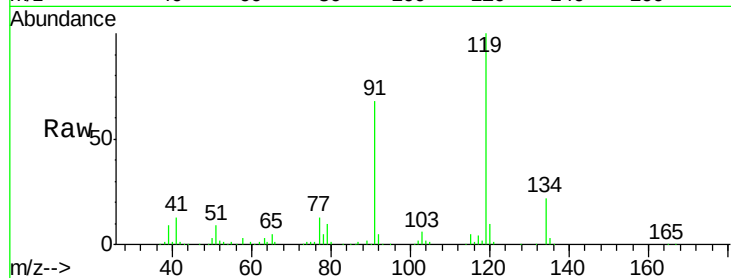




#83
tert-Butylbenzene
Concen: 17.741 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

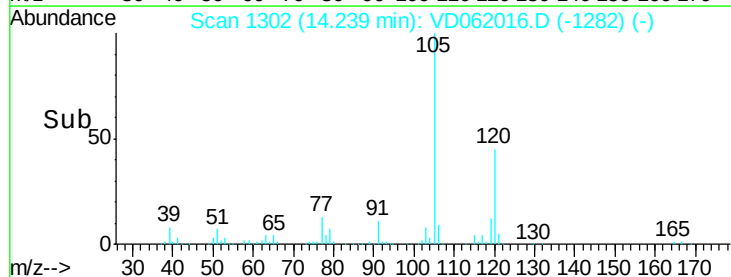
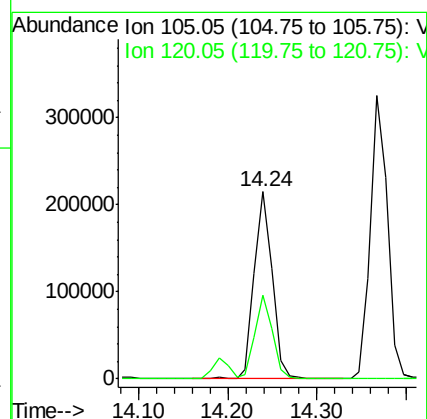
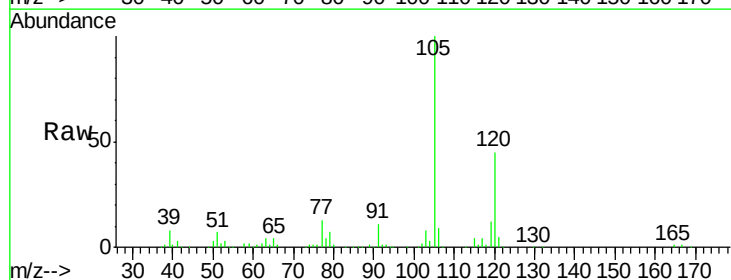
Instrument :
MSVOA_D
ClientSampleId :

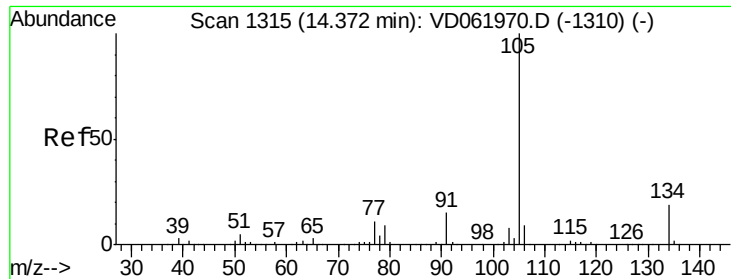
Tot Ion:119 Resp: 401198
Ion Ratio Lower Upper
119 100
91 68.3 34.2 102.6
134 22.0 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 16.052 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062016.D
Acq: 25 Apr 2019 3:05

Tgt Ion:105 Resp: 299203
Ion Ratio Lower Upper
105 100
120 45.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 17.659 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

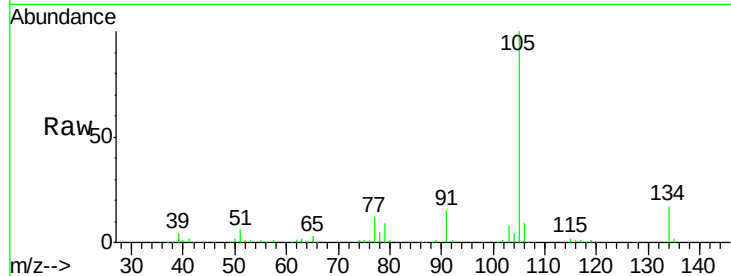
ClientSampleId :

Tot Ion:105 Resp: 431499

Ion Ratio Lower Upper

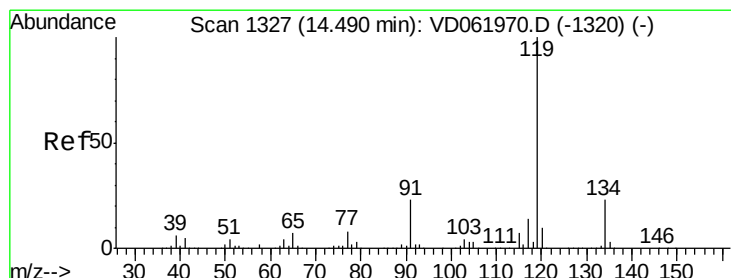
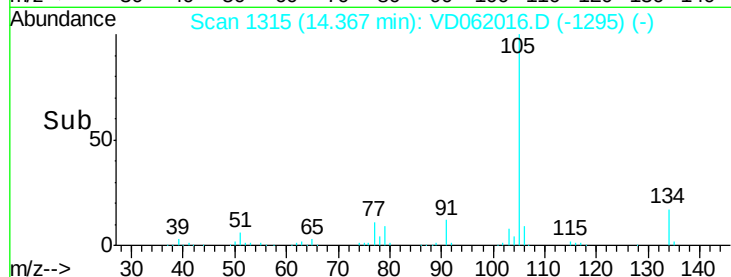
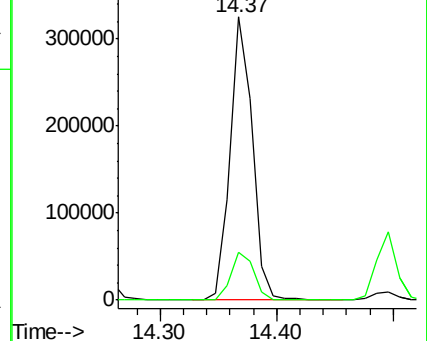
105 100

134 17.0 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 17.894 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

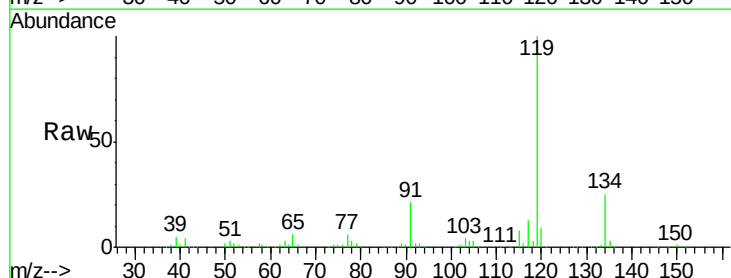
Tgt Ion:119 Resp: 391301

Ion Ratio Lower Upper

119 100

134 24.5 12.8 38.3

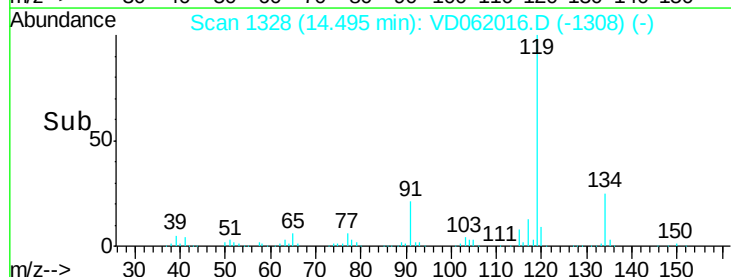
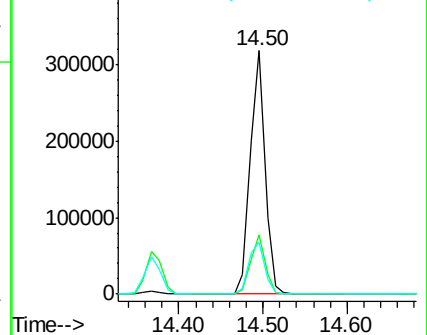
91 21.3 10.7 32.1

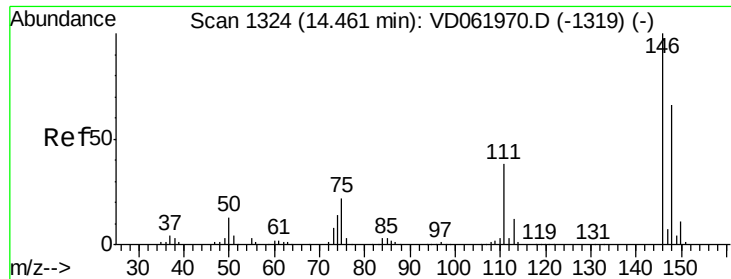


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

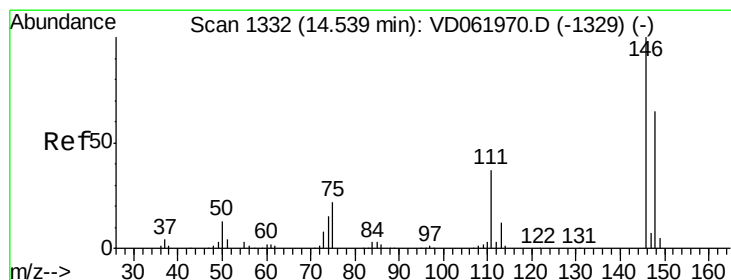
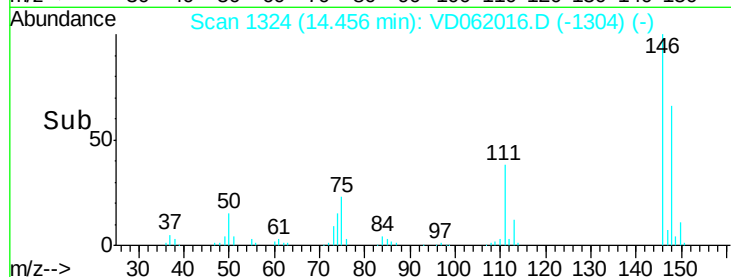
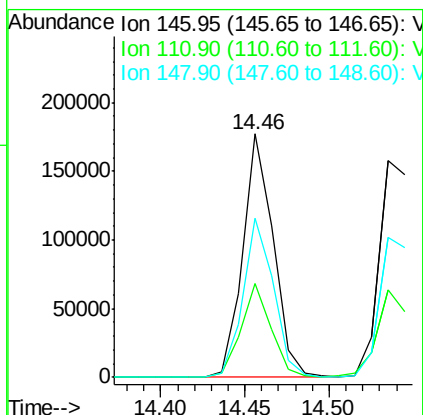
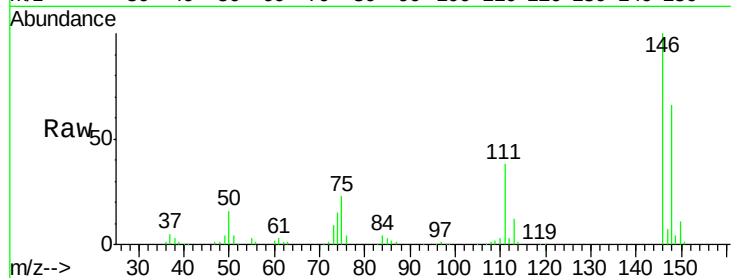




#87
 1,3-Dichlorobenzene
 Concen: 18.074 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

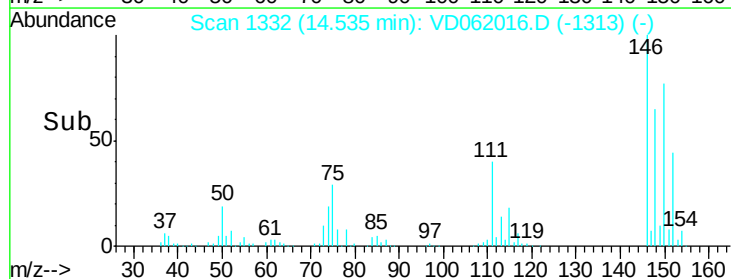
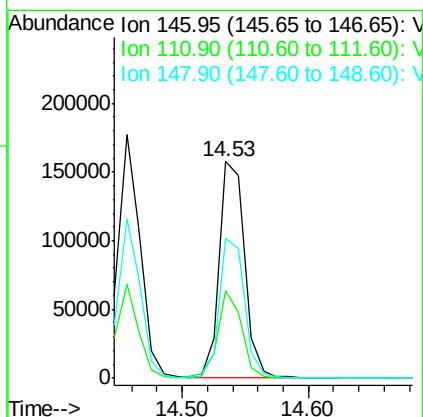
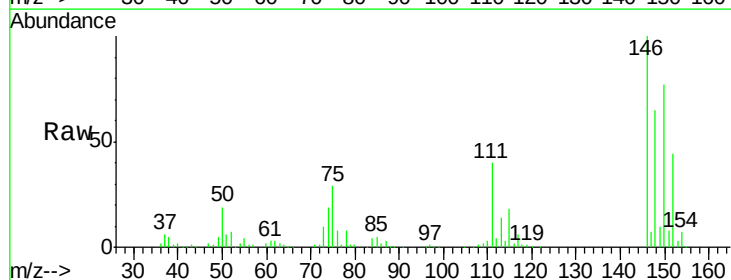
Instrument :
 MSVOA_D
 ClientSampled :

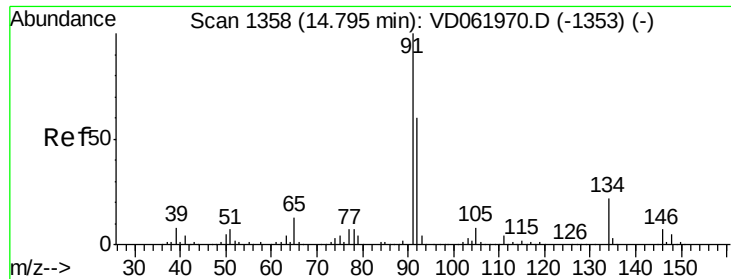
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	60.0
148	65.5	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.156 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.5
148	64.6	32.0	96.2





#89

n-Butylbenzene

Concen: 15.929 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampleId :

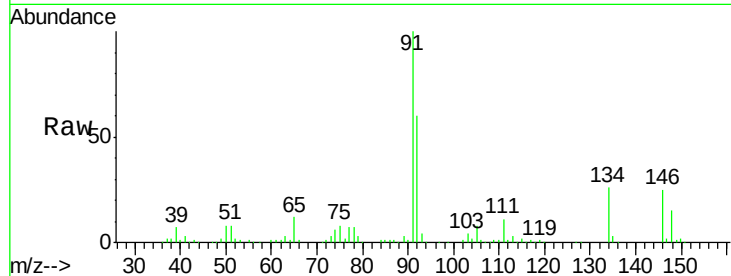
Tot Ion: 91 Resp: 312737

Ion Ratio Lower Upper

91 100

92 59.8 30.3 91.0

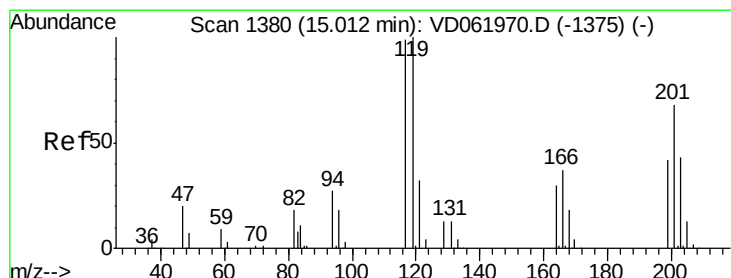
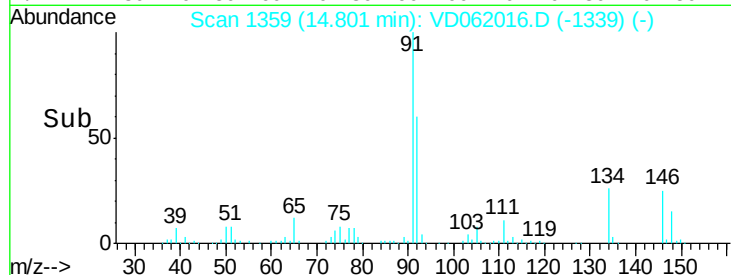
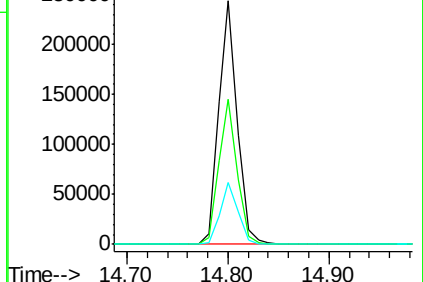
134 25.5 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 17.057 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062016.D

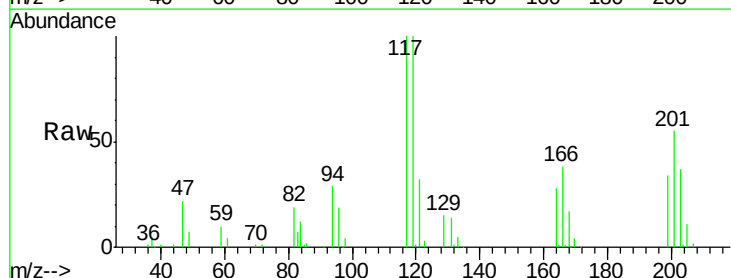
Acq: 25 Apr 2019 3:05

Tgt Ion: 117 Resp: 100863

Ion Ratio Lower Upper

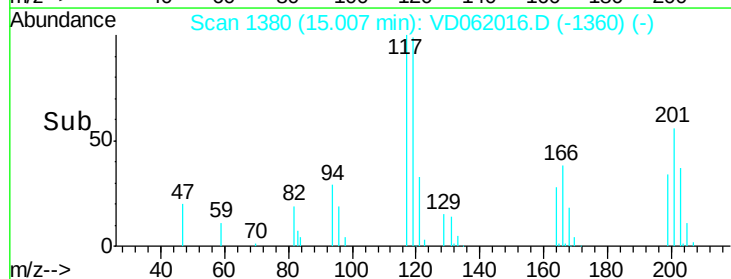
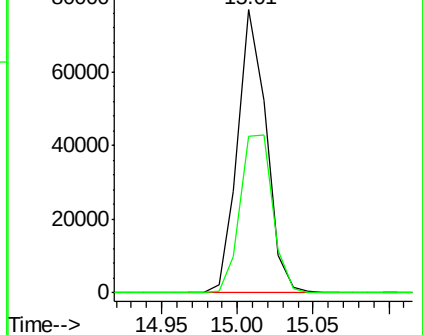
117 100

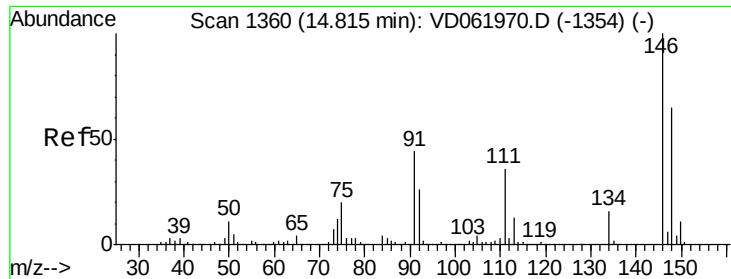
201 55.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

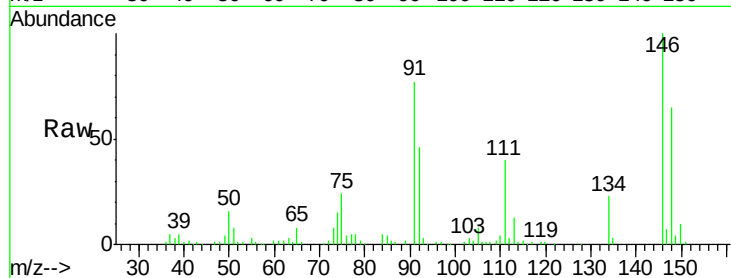




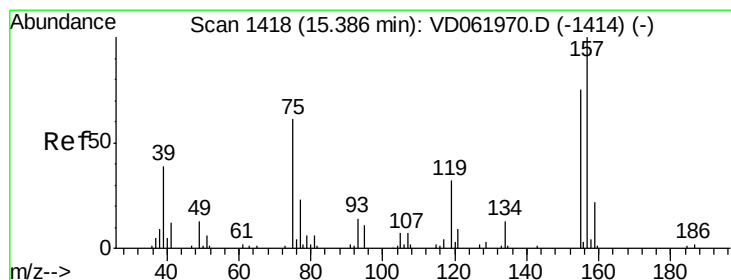
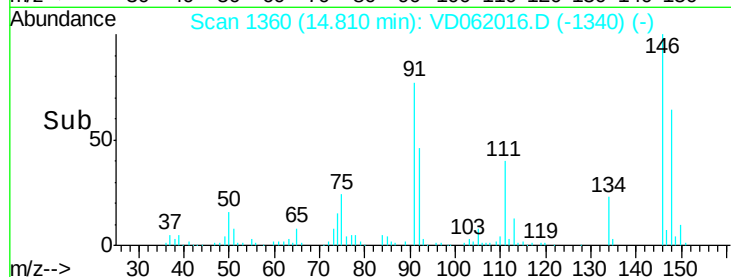
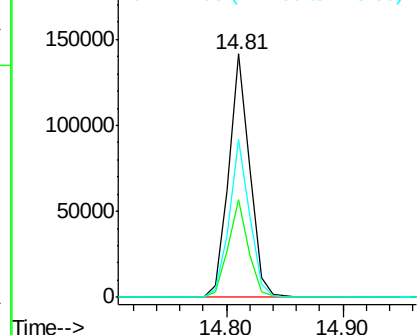
#91
 1,2-Dichlorobenzene
 Concen: 17.487 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 177403
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 59.9
 148 64.6 32.3 96.8

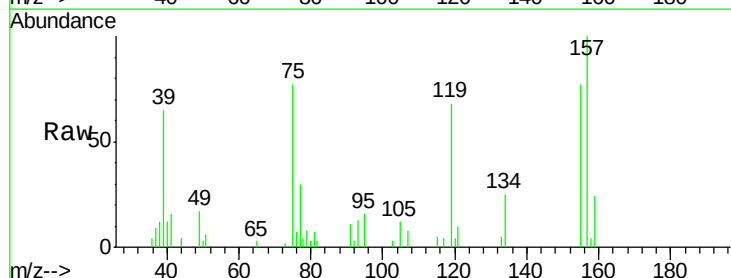


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

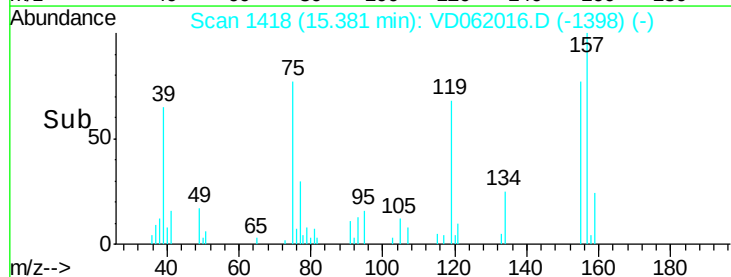
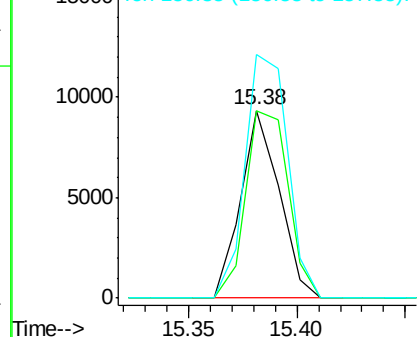


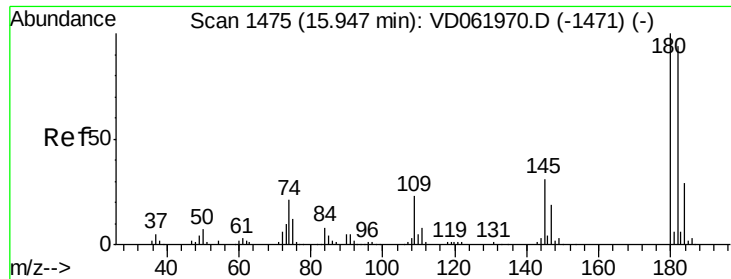
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.051 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion: 75 Resp: 11534
 Ion Ratio Lower Upper
 75 100
 155 99.6 55.3 165.8
 157 129.6 67.8 203.2



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

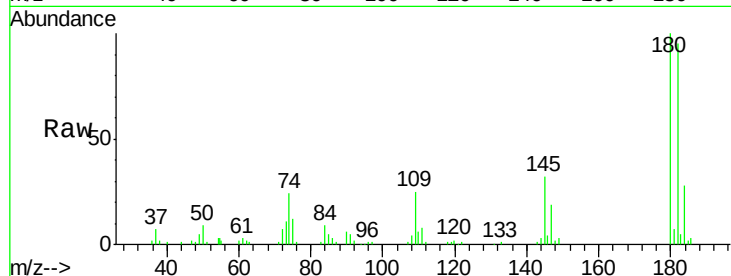




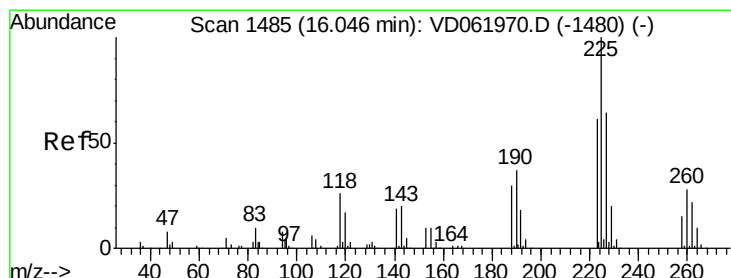
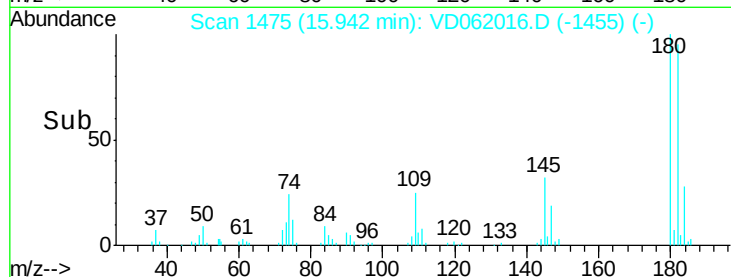
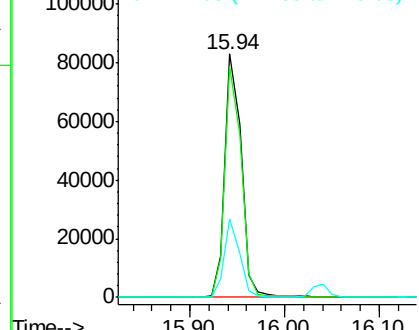
#93
 1,2,4-Trichlorobenzene
 Concen: 18.344 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 100413
 Ion Ratio Lower Upper
 180 100
 182 94.9 49.3 147.8
 145 32.5 16.2 48.6

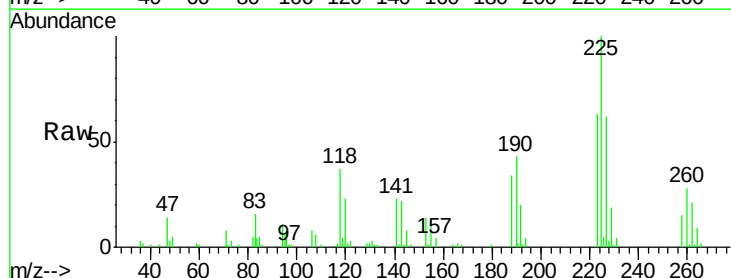


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

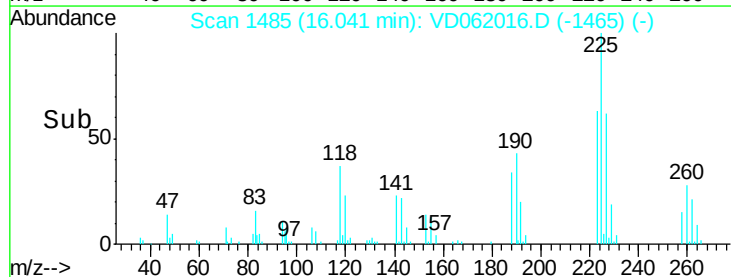
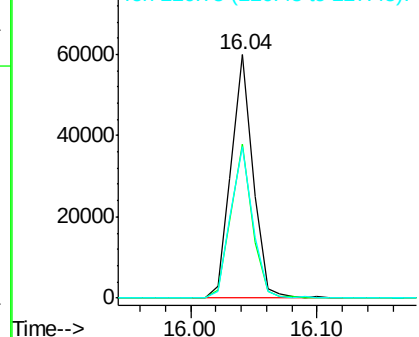


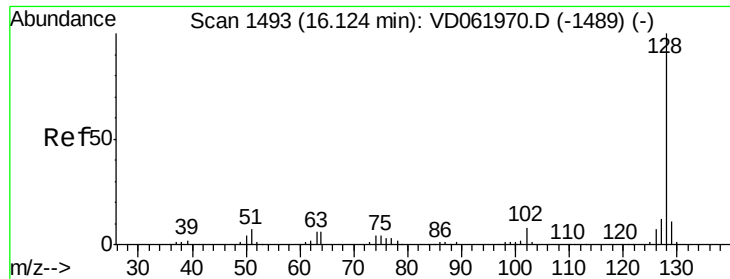
#94
 Hexachlorobutadiene
 Concen: 17.680 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062016.D
 Acq: 25 Apr 2019 3:05

Tgt Ion:225 Resp: 71617
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.6 92.0
 227 62.5 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: 17.135 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

Instrument :

MSVOA_D

ClientSampled :

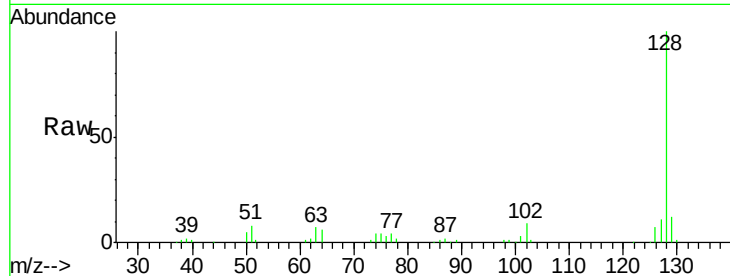
Tot Ion:128 Resp: 151445

Ion Ratio Lower Upper

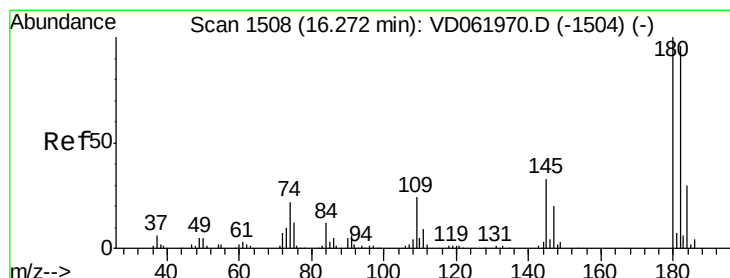
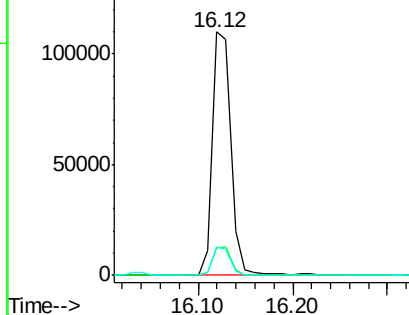
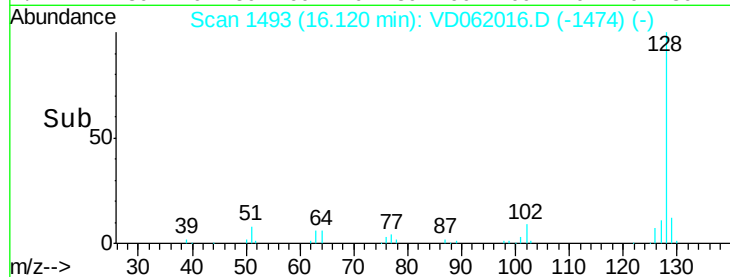
128 100

127 11.3 9.8 14.8

129 11.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.515 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062016.D

Acq: 25 Apr 2019 3:05

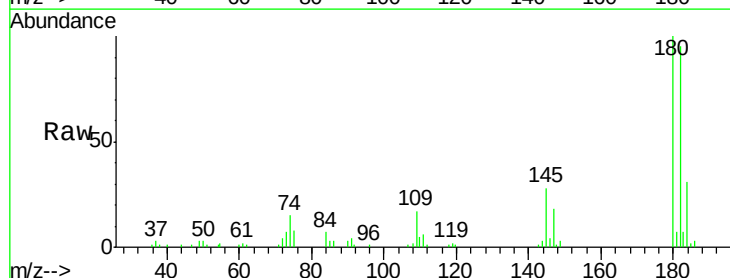
Tgt Ion:180 Resp: 60608

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.0

145 28.2 17.0 51.0



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

