

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030719\
 Data File : VD060971.D
 Acq On : 7 Mar 2019 16:31
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 08 01:15:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	747403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1230199	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1068331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	443323	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	310578	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	6.92	113	473902	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.40	98	1169813	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	13.55	95	430356	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	368920	45.032	ug/l	100
3) Chloromethane	1.77	50	293718	43.340	ug/l	100
4) Vinyl Chloride	1.86	62	290527	47.171	ug/l	100
5) Bromomethane	2.17	94	52843	49.240	ug/l	100
6) Chloroethane	2.28	64	101507	66.156	ug/l	100
7) Trichlorofluoromethane	2.54	101	442242	58.116	ug/l	100
8) Diethyl Ether	2.88	74	144950	45.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.16	101	427600	43.387	ug/l	100
10) Methyl Iodide	3.32	142	664202	56.927	ug/l	100
11) Tert butyl alcohol	4.06	59	109879	242.307	ug/l	100
12) 1,1-Dichloroethene	3.13	96	364410	43.599	ug/l	100
13) Acrolein	3.05	56	132270	212.934	ug/l	100
14) Allyl chloride	3.63	41	618306	44.717	ug/l	100
15) Acrylonitrile	4.20	53	342525	200.268	ug/l	100
16) Acetone	3.22	43	457194	226.602	ug/l	100
17) Carbon Disulfide	3.39	76	1269899	42.778	ug/l	100
18) Methyl Acetate	3.65	43	171369	41.347	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	674378	45.360	ug/l	100
20) Methylene Chloride	3.82	84	431713	38.355	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	412454	44.898	ug/l	100
22) Diisopropyl ether	5.12	45	1317019	45.225	ug/l	100
23) Vinyl Acetate	5.05	43	3278279	214.819	ug/l	100
24) 1,1-Dichloroethane	4.99	63	710756	45.388	ug/l	100
25) 2-Butanone	6.07	43	544904	219.632	ug/l	100
26) 2,2-Dichloropropane	6.02	77	541279	46.513	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	450705	43.555	ug/l	100
28) Bromochloromethane	6.44	49	297688	45.747	ug/l	100
29) Tetrahydrofuran	6.45	42	292681	225.543	ug/l	100
30) Chloroform	6.67	83	678298	44.765	ug/l	100
31) Cyclohexane	6.95	56	598859	45.066	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	626098	48.039	ug/l	100
36) 1,1-Dichloropropene	7.14	75	524326	46.482	ug/l	100
37) Ethyl Acetate	6.18	43	249534	43.298	ug/l	100
38) Carbon Tetrachloride	7.11	117	635425	51.974	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	585480	47.624	ug/l	100
40) Benzene	7.45	78	1421509	48.838	ug/l	100
41) Methacrylonitrile	6.44	41	301431	72.967	ug/l	100
42) 1,2-Dichloroethane	7.57	62	413529	50.190	ug/l	100
43) Isopropyl Acetate	9.23	43	371895	46.371	ug/l	100
44) Trichloroethene	8.54	130	490346	49.649	ug/l	100
45) 1,2-Dichloropropane	8.93	63	366349	47.899	ug/l	100
46) Dibromomethane	9.06	93	230400	47.085	ug/l	100
47) Bromodichloromethane	9.37	83	549822	50.626	ug/l	100
48) Methyl methacrylate	9.11	41	207853	45.841	ug/l	100
49) 1,4-Dioxane	9.07	88	41146	884.166	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1097994	224.224	ug/l	100
52) Toluene	10.50	92	866666	46.785	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	474400	48.078	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	545802	45.097	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	281328	45.931	ug/l	100
56) Ethyl methacrylate	11.04	69	300756	46.779	ug/l	100
57) 1,3-Dichloropropane	11.40	76	414152	46.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	745973	216.702	ug/l	100
59) 2-Hexanone	11.52	43	819187	238.399	ug/l	100
60) Dibromochloromethane	11.68	129	437019	49.386	ug/l	100
61) 1,2-Dibromoethane	11.80	107	345557	48.013	ug/l	100
64) Tetrachloroethene	11.25	164	373978	46.301	ug/l	100
65) Chlorobenzene	12.39	112	1057558	45.201	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	392787	46.409	ug/l	100
67) Ethyl Benzene	12.52	91	1563431	45.673	ug/l	100
68) m/p-Xylenes	12.66	106	1250682	91.108	ug/l	100
69) o-Xylene	13.05	106	587684	46.035	ug/l	100
70) Styrene	13.07	104	963970	45.240	ug/l	100
71) Bromoform	13.23	173	253024	47.503	ug/l	100
73) Isopropylbenzene	13.40	105	1543453	45.553	ug/l	100
74) N-amyl acetate	13.26	43	459847	44.896	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	313184	44.542	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	327544	45.835	ug/l	100
77) Bromobenzene	13.67	156	418789	47.033	ug/l	100
78) n-propylbenzene	13.77	91	1921809	48.590	ug/l	100
79) 2-Chlorotoluene	13.84	91	953690	43.080	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	1296863	49.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	100044	47.491	ug/l	100
82) 4-Chlorotoluene	13.94	91	1259003	50.639	ug/l	100
83) tert-Butylbenzene	14.19	119	1481310	50.828	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1296863	49.537	ug/l	100
85) sec-Butylbenzene	14.37	105	1520836	44.719	ug/l	100
86) p-Isopropyltoluene	14.49	119	1388298	49.550	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	737940	48.759	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	704396	47.033	ug/l	100
89) n-Butylbenzene	14.79	91	1294552	49.368	ug/l	100
90) Hexachloroethane	15.01	117	392790	48.624	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	641940	48.628	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39976	48.399	ug/l	100

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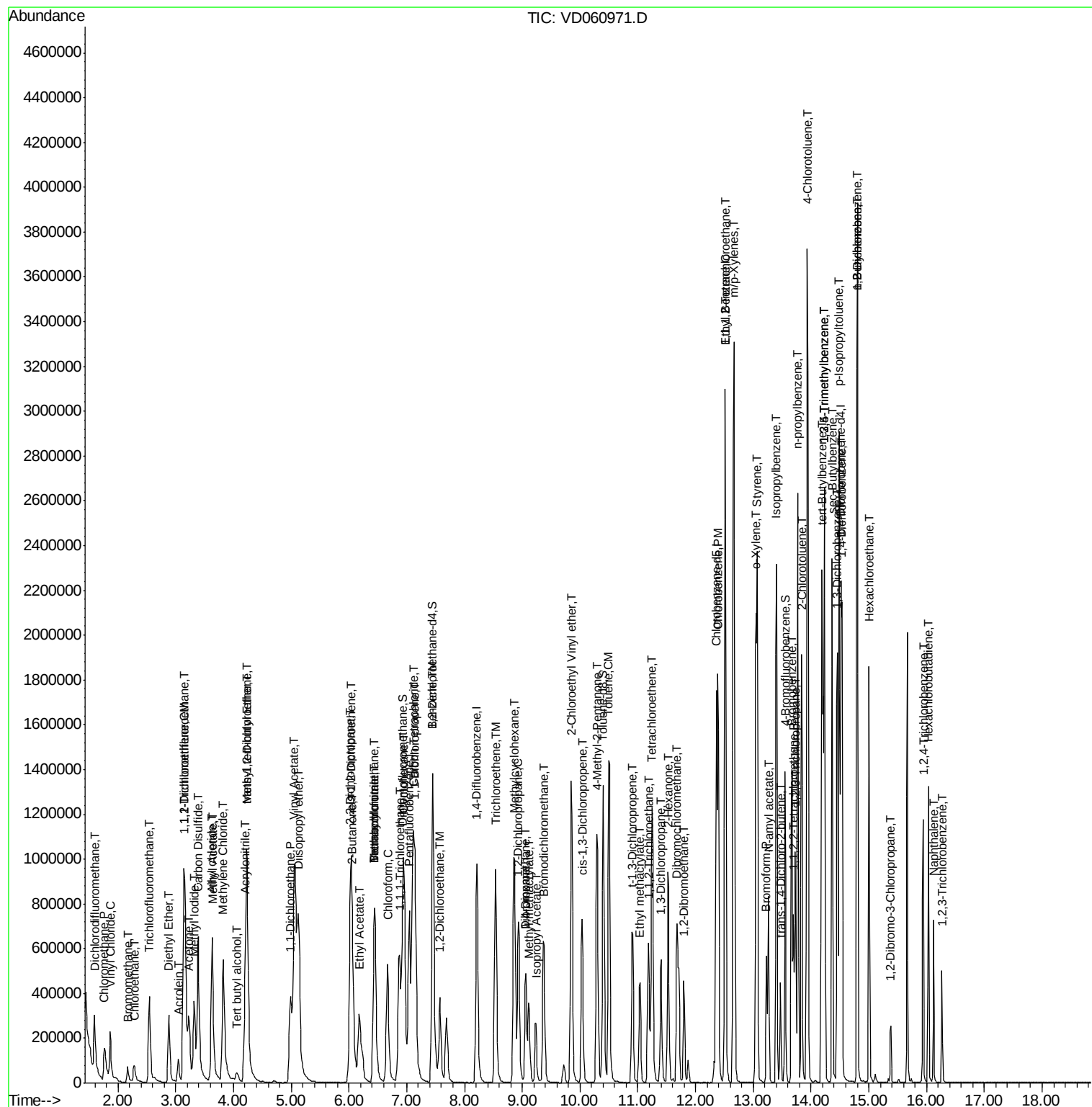
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	303309	40.738	ug/l	100
94) Hexachlorobutadiene	16.03	225	207277	43.552	ug/l	100
95) Naphthalene	16.12	128	411540	35.774	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	125602	31.099	ug/l	100

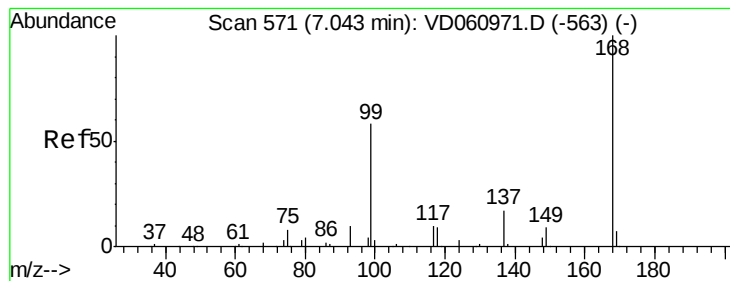
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

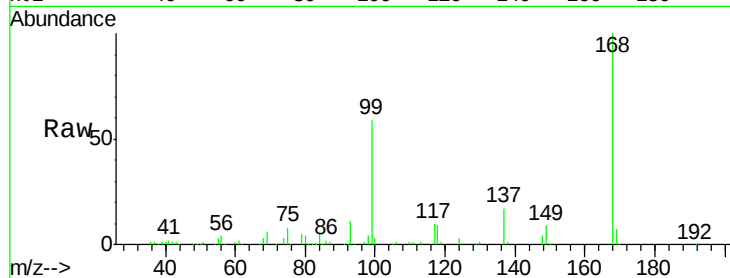
VSTDICCC050

Tgt Ion:168 Resp: 747403

Ion Ratio Lower Upper

168 100

99 59.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

150000

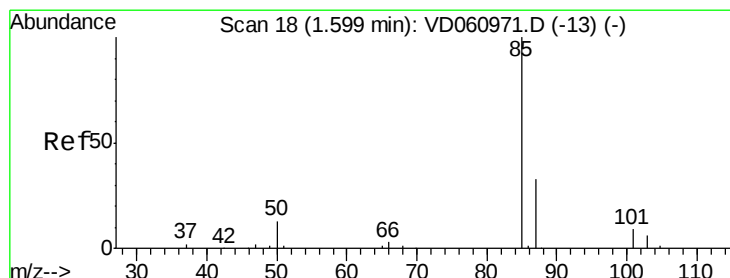
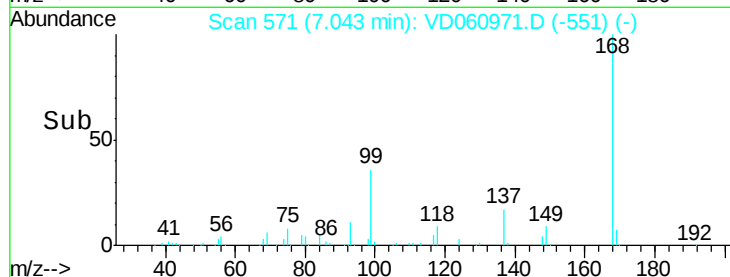
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.032 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.00 min

Lab File: VD060971.D

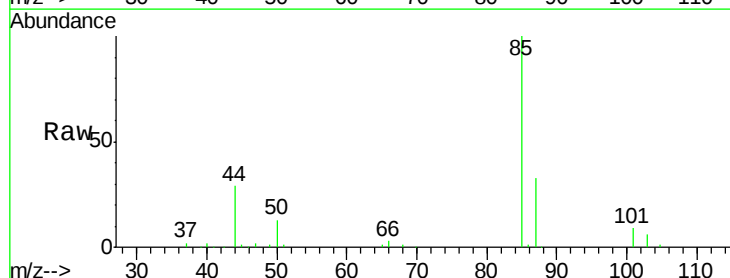
Acq: 7 Mar 2019 16:31

Tgt Ion: 85 Resp: 368920

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

150000

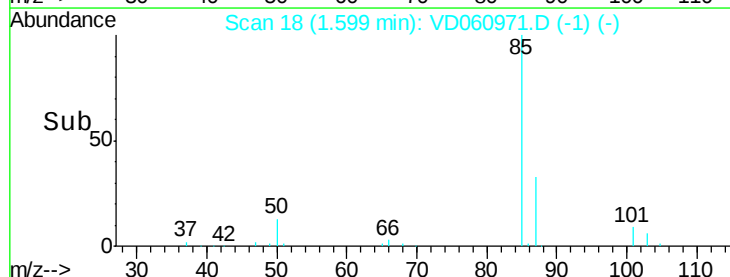
100000

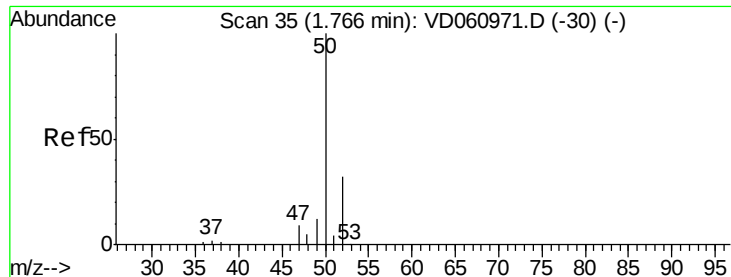
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.340 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

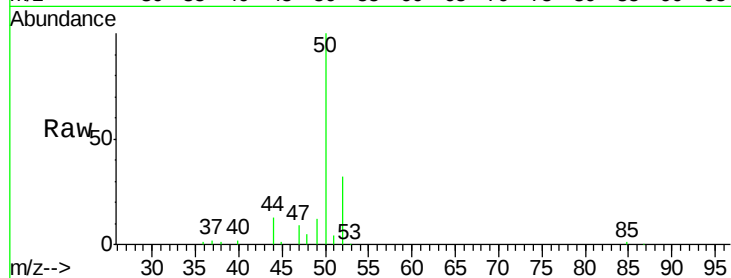
VSTDICCC050

Tgt Ion: 50 Resp: 293718

Ion Ratio Lower Upper

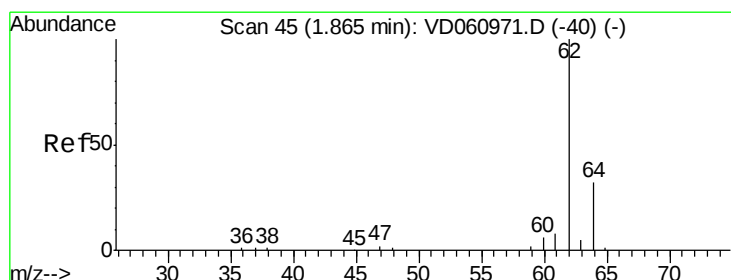
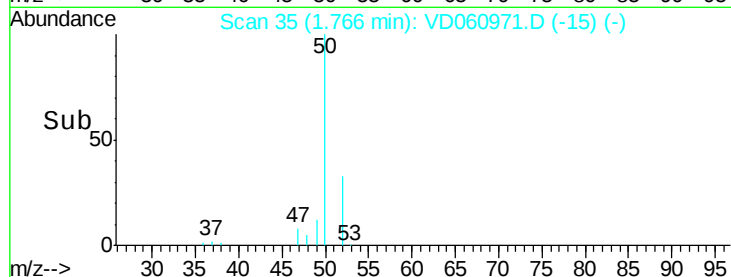
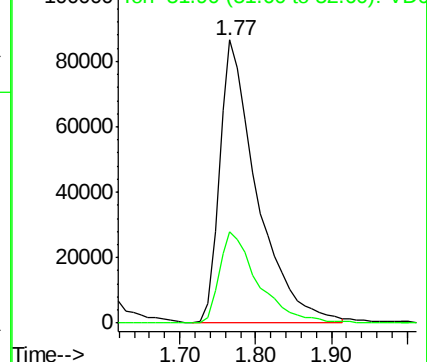
50 100

52 32.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.171 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD060971.D

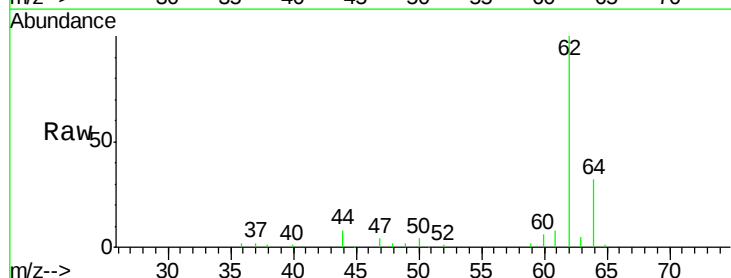
Acq: 7 Mar 2019 16:31

Tgt Ion: 62 Resp: 290527

Ion Ratio Lower Upper

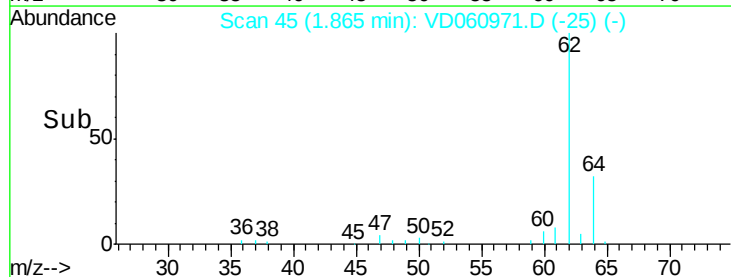
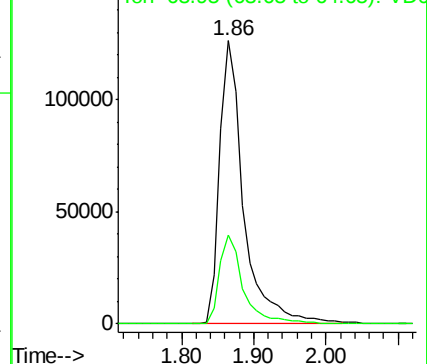
62 100

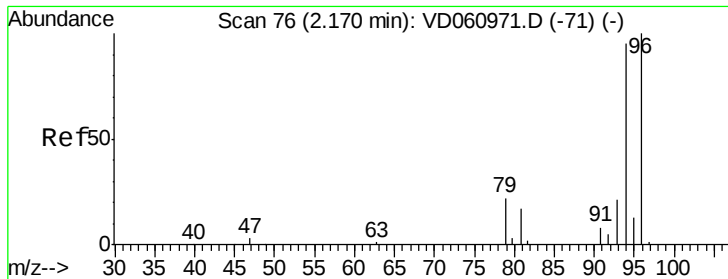
64 31.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.240 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

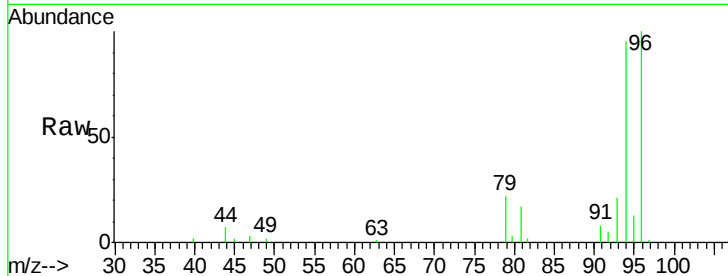
Tgt Ion: 94 Resp: 52843

Ion Ratio Lower Upper

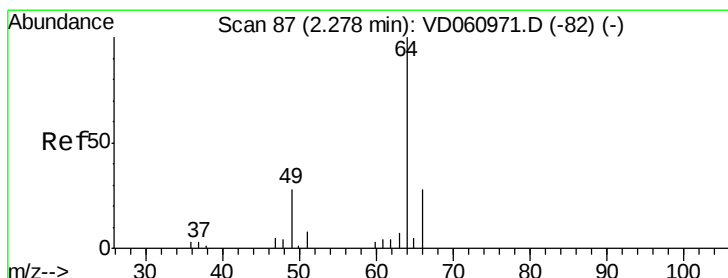
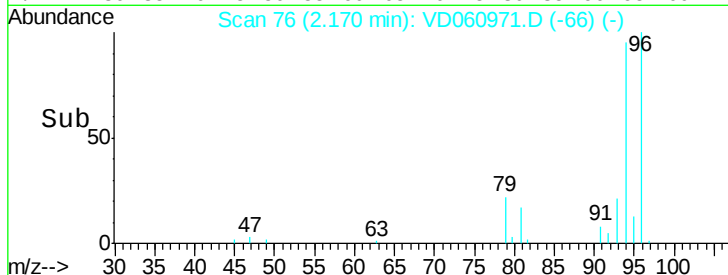
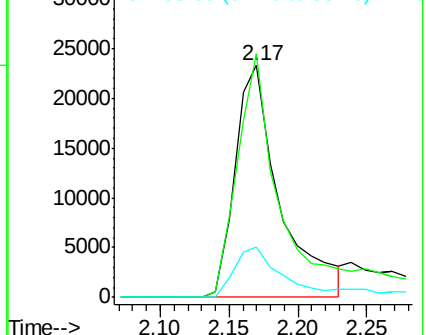
94 100

96 105.0 84.0 126.0

93 21.6 17.3 25.9



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: 66.156 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD060971.D

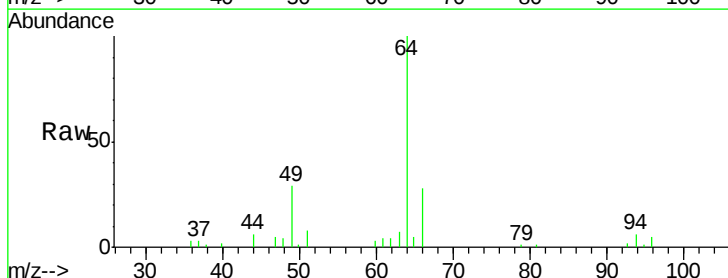
Acq: 7 Mar 2019 16:31

Tgt Ion: 64 Resp: 101507

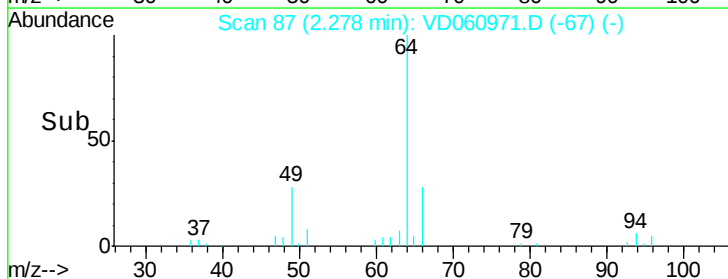
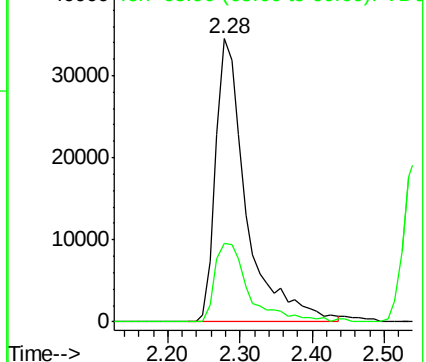
Ion Ratio Lower Upper

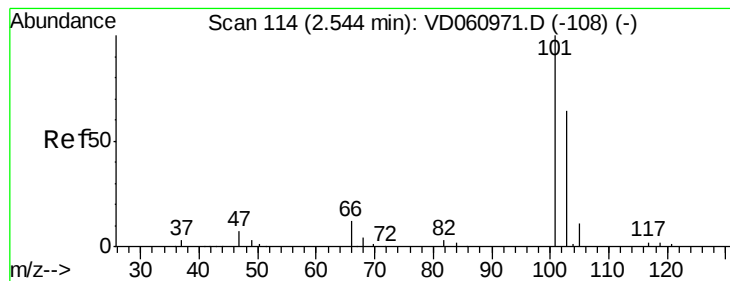
64 100

66 27.7 22.2 33.2



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



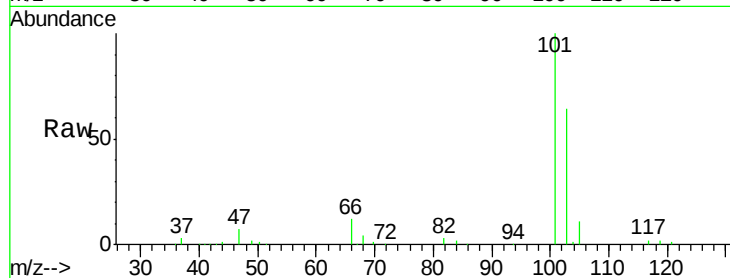


#7

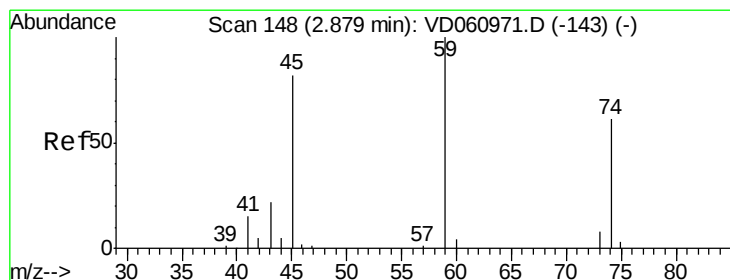
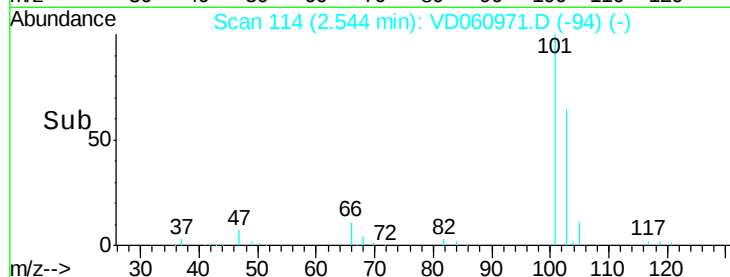
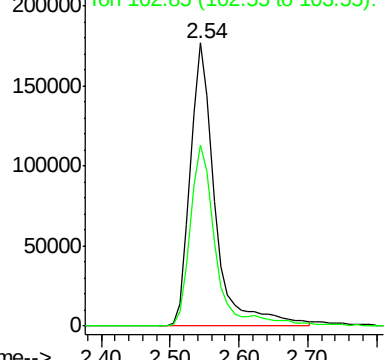
Trichlorofluoromethane
 Concen: 58.116 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
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Tgt Ion: 101 Resp: 442242
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8



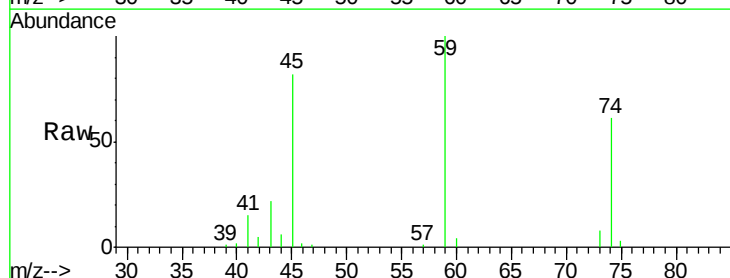
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



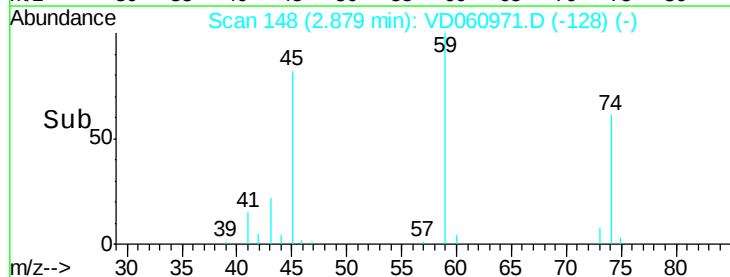
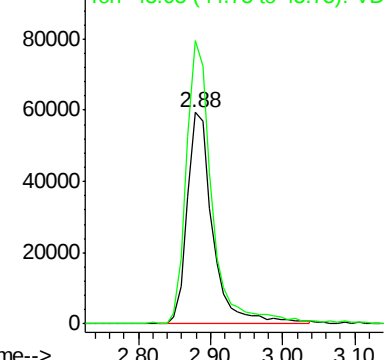
#8

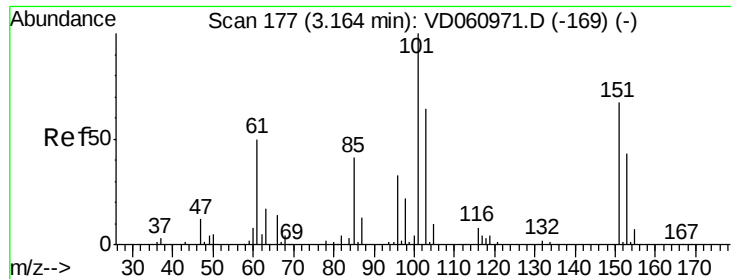
Diethyl Ether
 Concen: 45.001 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060971.D
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Tgt Ion: 74 Resp: 144950
 Ion Ratio Lower Upper
 74 100
 45 134.1 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.387 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

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MSVOA_D

ClientSampleId :

VSTDICCC050

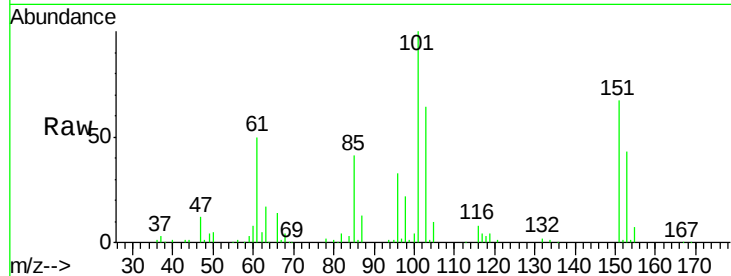
Tgt Ion:101 Resp: 427600

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

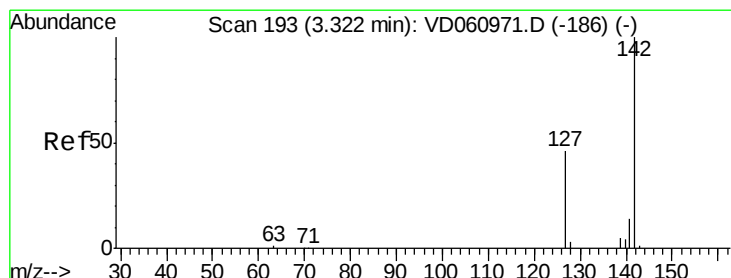
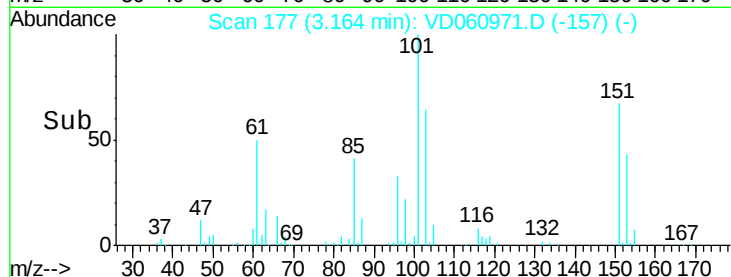
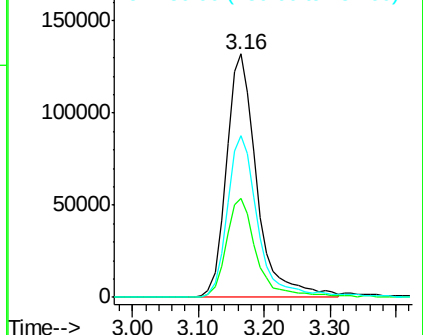
151 66.6 53.3 79.9



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: 56.927 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

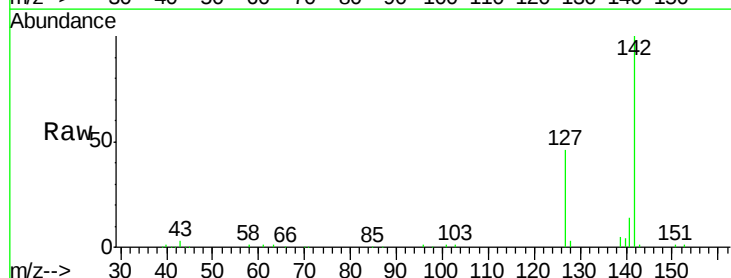
Tgt Ion:142 Resp: 664202

Ion Ratio Lower Upper

142 100

127 46.0 36.8 55.2

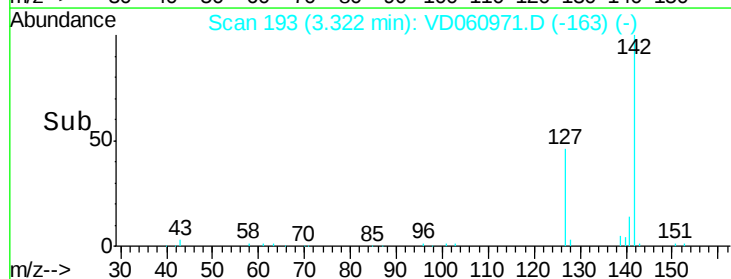
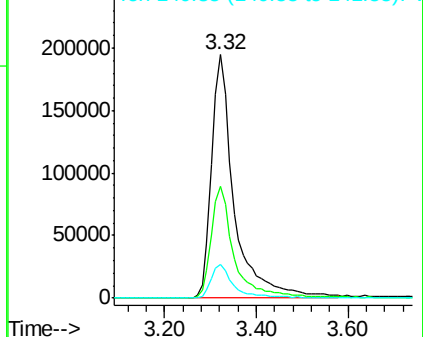
141 14.0 11.2 16.8

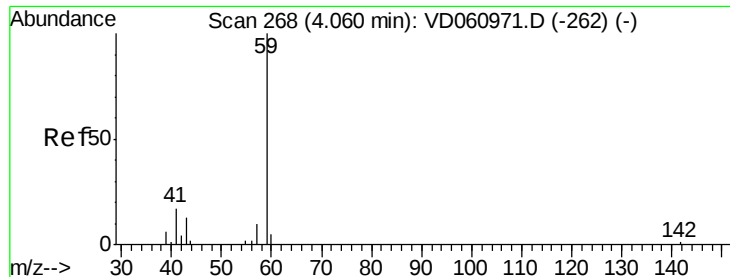


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



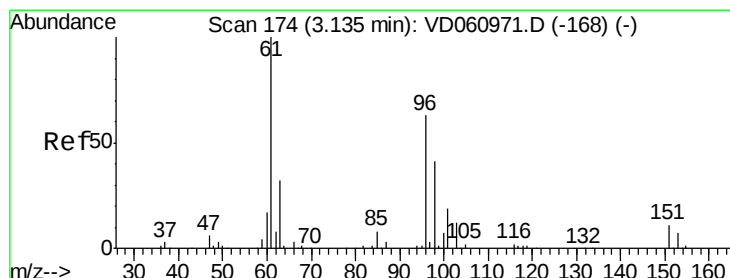
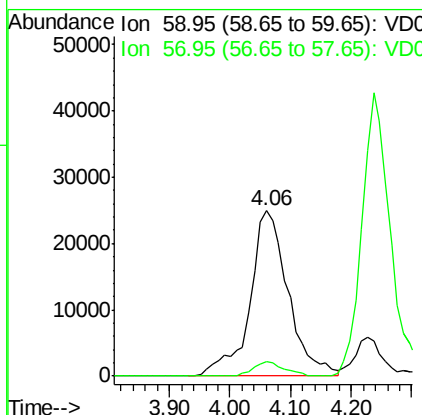
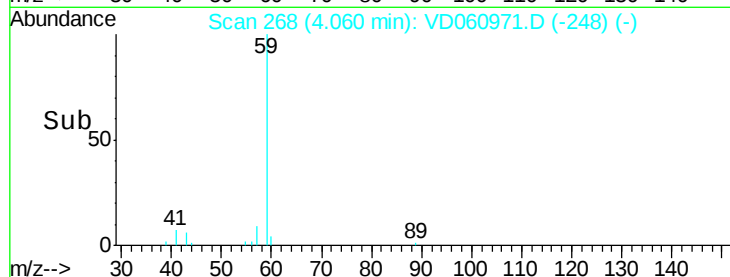
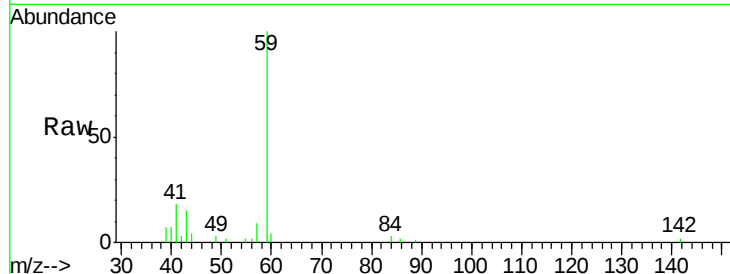


#11

Tert butyl alcohol
Concen: 242.307 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

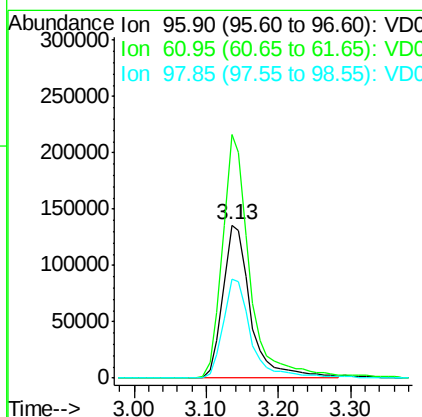
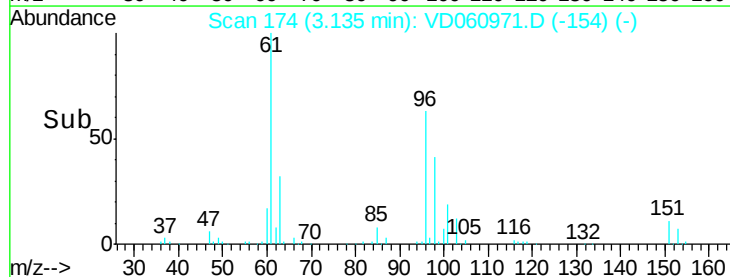
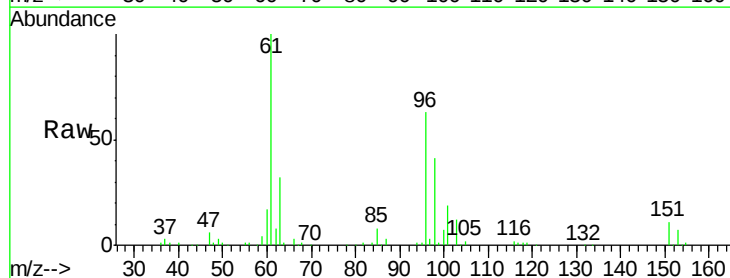
Tgt Ion: 59 Resp: 109879
Ion Ratio Lower Upper
59 100
57 8.9 7.1 10.7

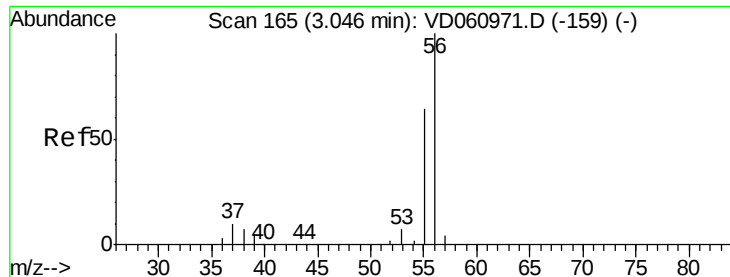


#12

1,1-Dichloroethene
Concen: 43.599 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 96 Resp: 364410
Ion Ratio Lower Upper
96 100
61 158.9 127.1 190.7
98 64.4 51.5 77.3

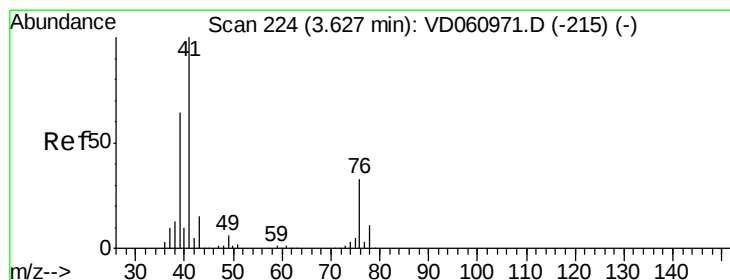
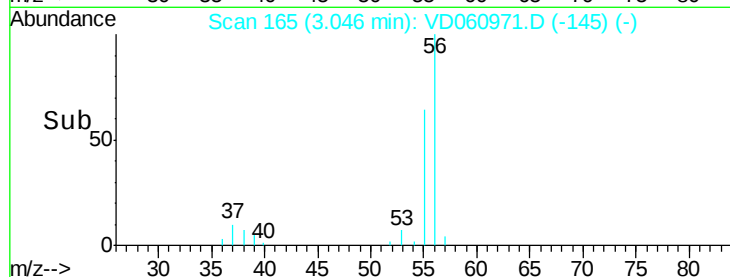
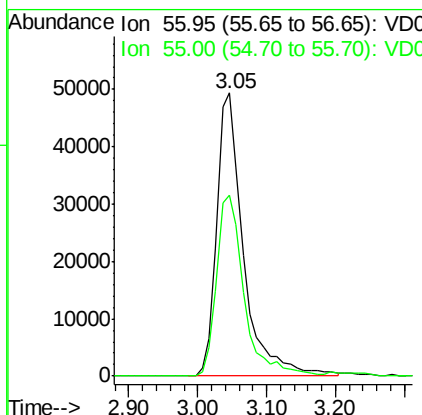
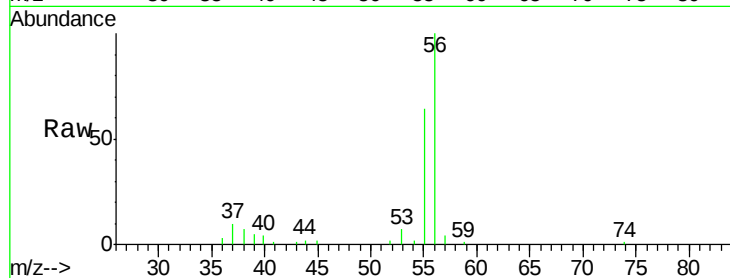




#13
 Acrolein
 Concen: 212.934 ug/l
 RT: 3.05 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

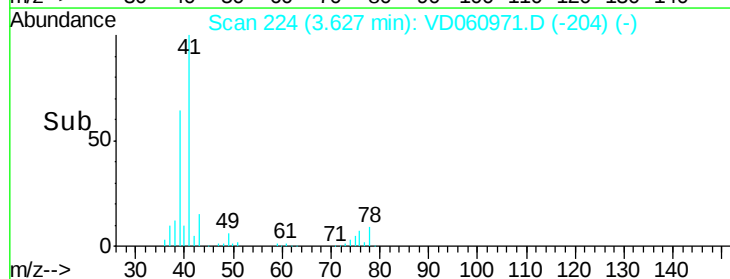
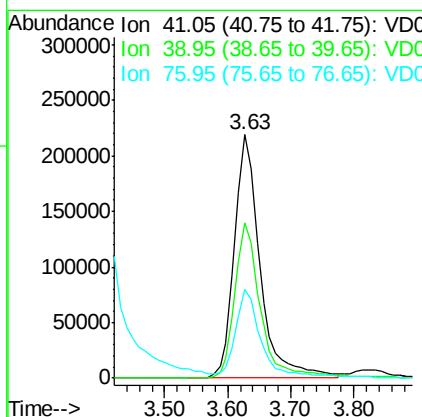
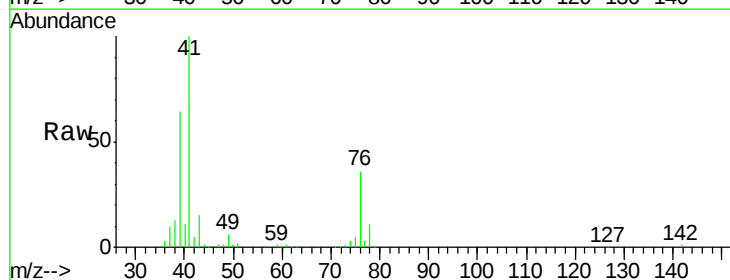
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

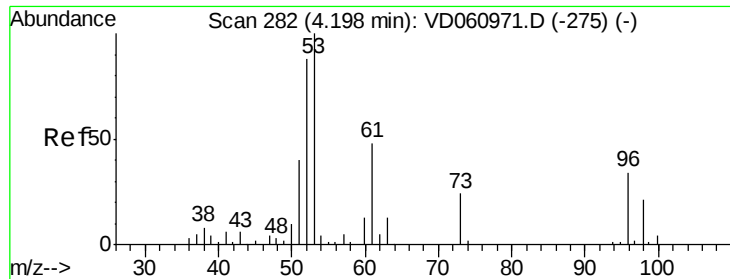
Tgt Ion: 56 Resp: 132270
 Ion Ratio Lower Upper
 56 100
 55 64.1 51.3 76.9



#14
 Allyl chloride
 Concen: 44.717 ug/l
 RT: 3.63 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 41 Resp: 618306
 Ion Ratio Lower Upper
 41 100
 39 63.9 51.1 76.7
 76 36.4 29.1 43.7





#15

Acrylonitrile

Concen: 200.268 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

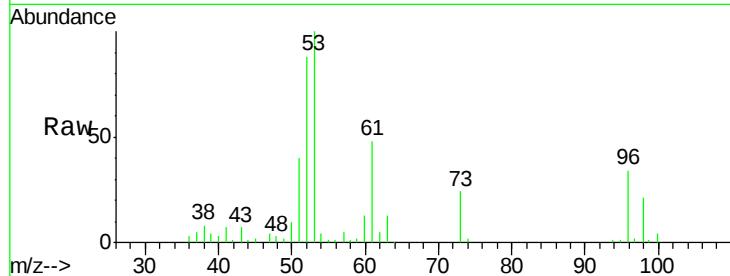
Tgt Ion: 53 Resp: 342525

Ion Ratio Lower Upper

53 100

52 87.8 70.2 105.4

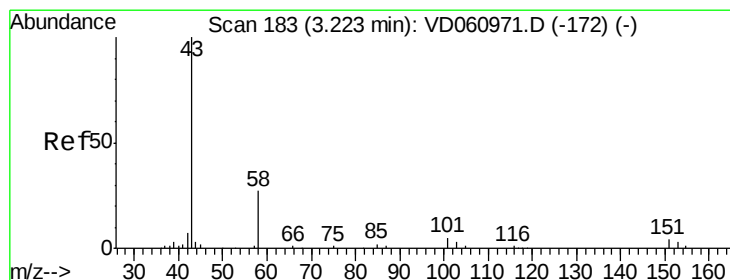
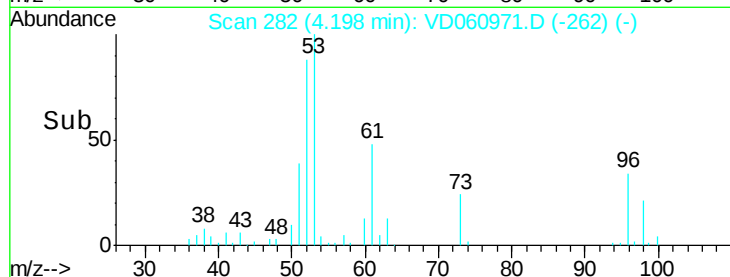
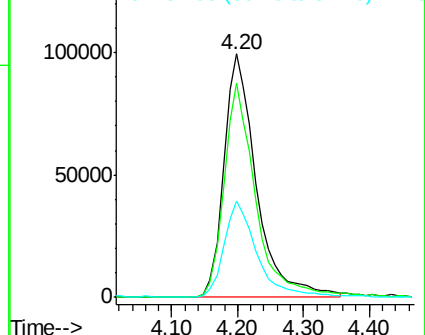
51 39.6 31.7 47.5



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: 226.602 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060971.D

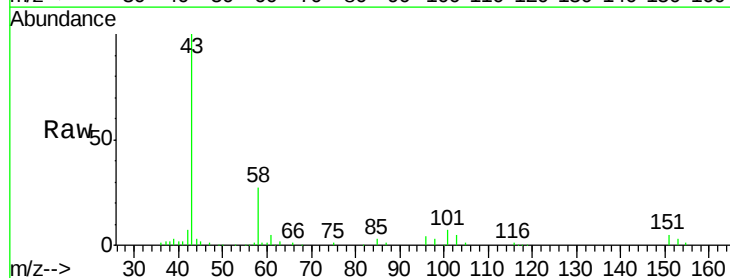
Acq: 7 Mar 2019 16:31

Tgt Ion: 43 Resp: 457194

Ion Ratio Lower Upper

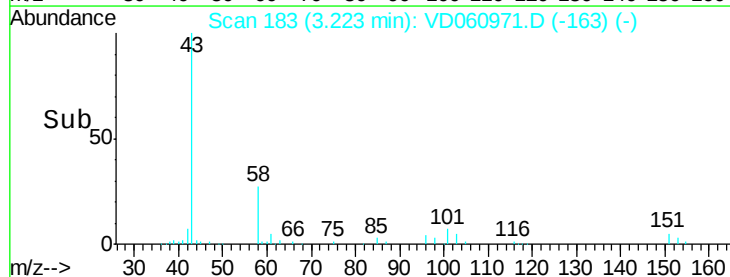
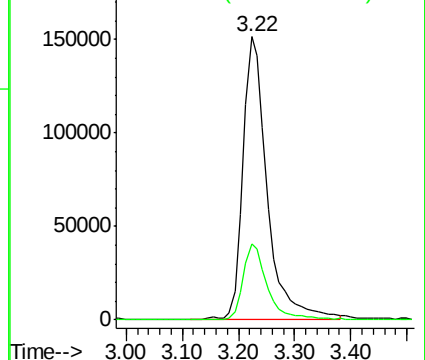
43 100

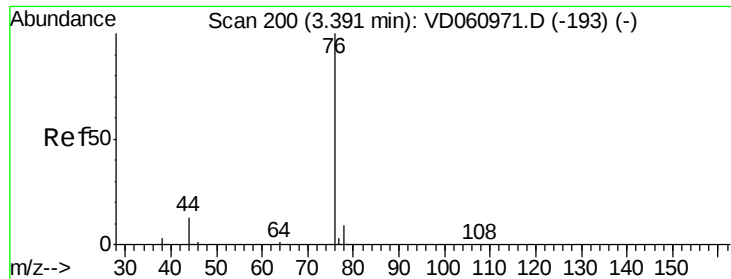
58 27.0 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

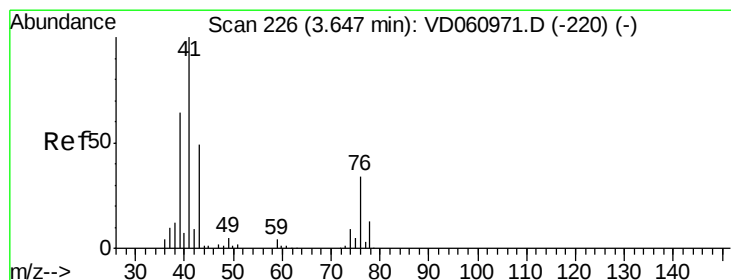
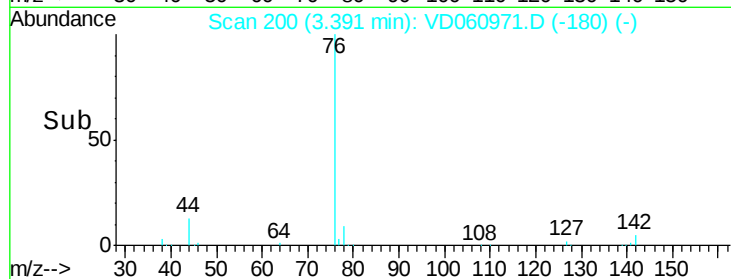
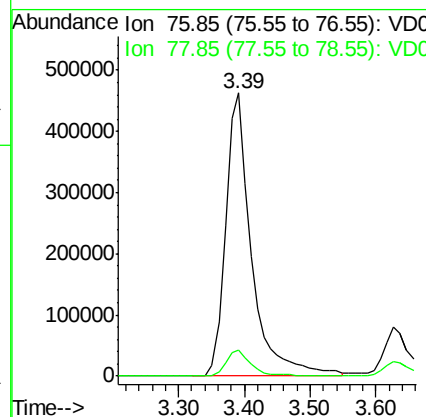
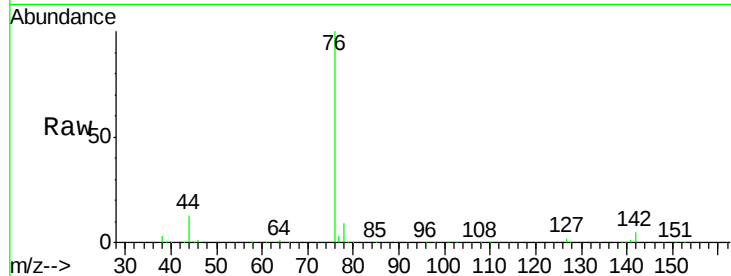




#17
Carbon Disulfide
Concen: 42.778 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

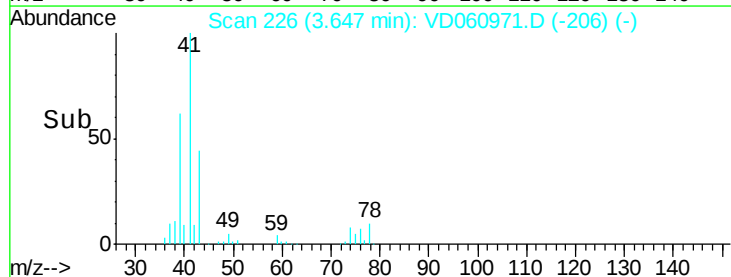
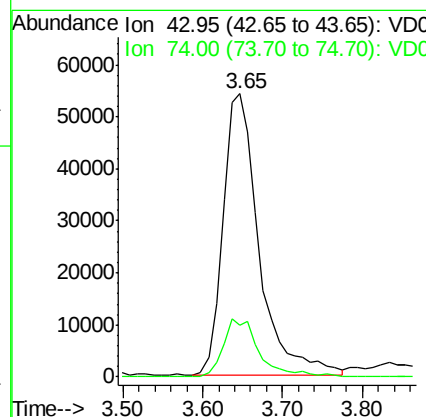
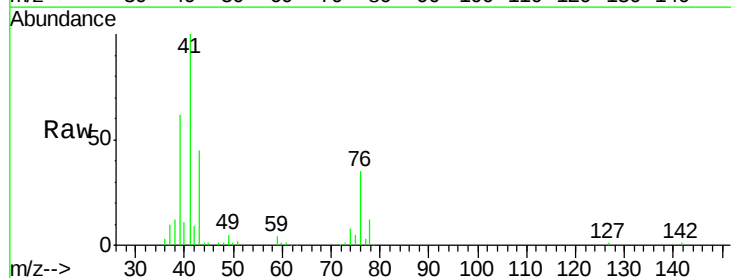
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

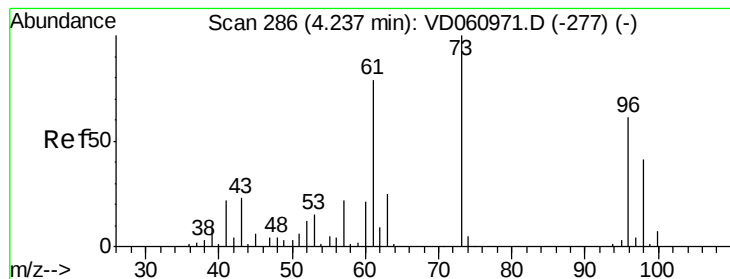
Tgt Ion: 76 Resp: 1269899
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 41.347 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 43 Resp: 171369
Ion Ratio Lower Upper
43 100
74 18.2 14.6 21.8



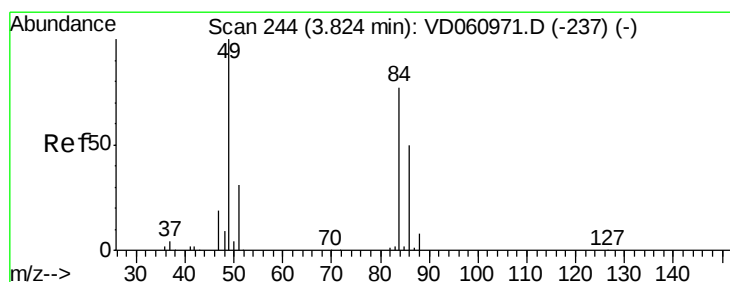
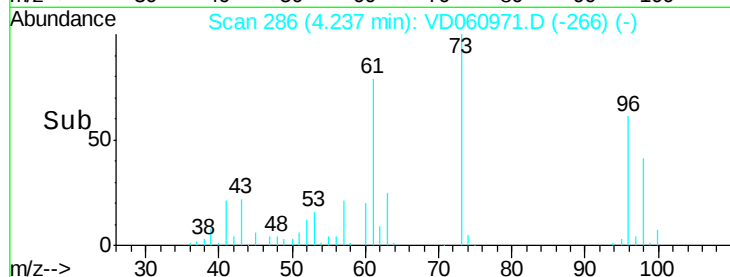
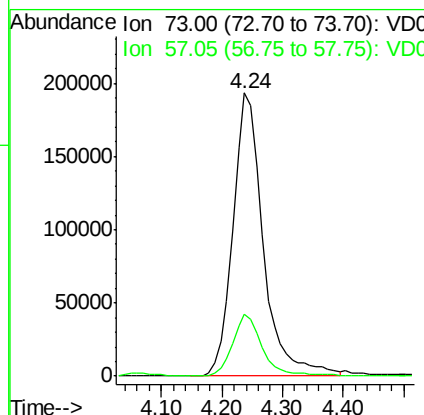
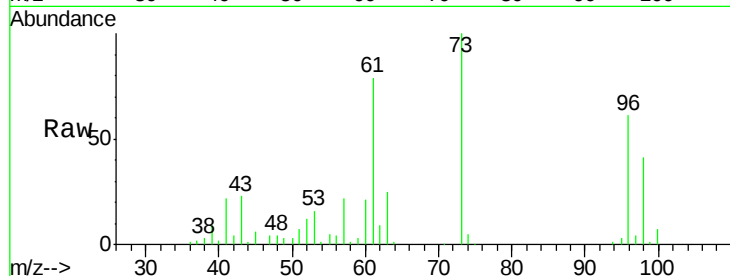


#19

Methyl tert-butyl Ether
 Concen: 45.360 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

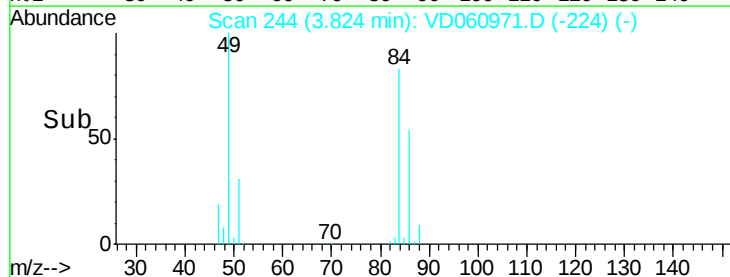
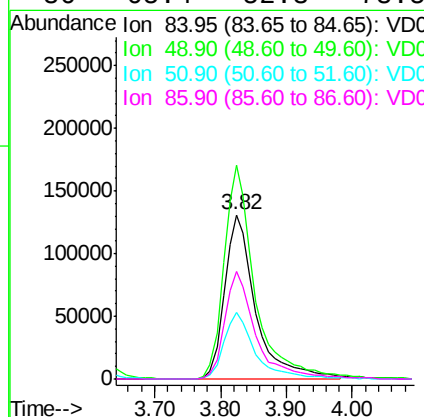
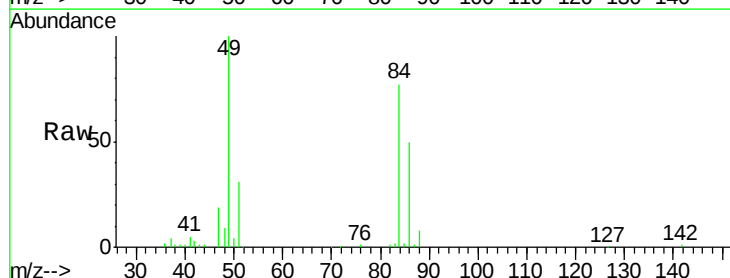
Tgt Ion: 73 Resp: 674378
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.7 26.5

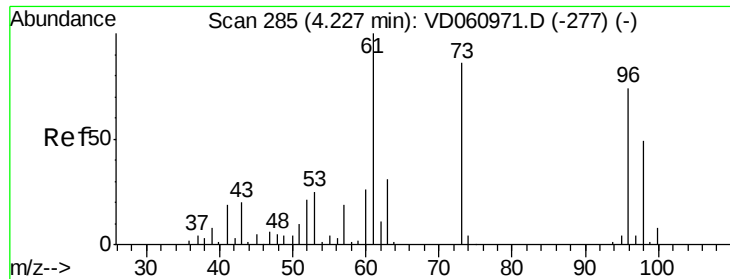


#20

Methylene Chloride
 Concen: 38.355 ug/l
 RT: 3.82 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 84 Resp: 431713
 Ion Ratio Lower Upper
 84 100
 49 130.2 104.2 156.2
 51 40.4 32.3 48.5
 86 65.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 44.898 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

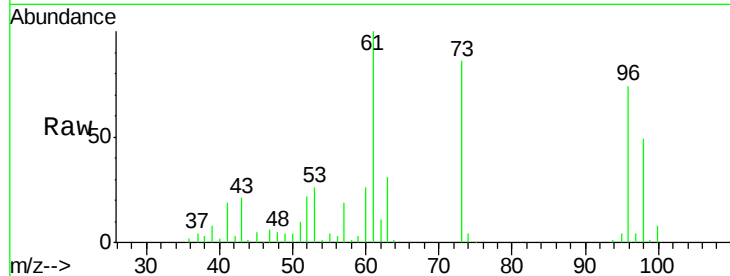
Tgt Ion: 96 Resp: 412454

Ion Ratio Lower Upper

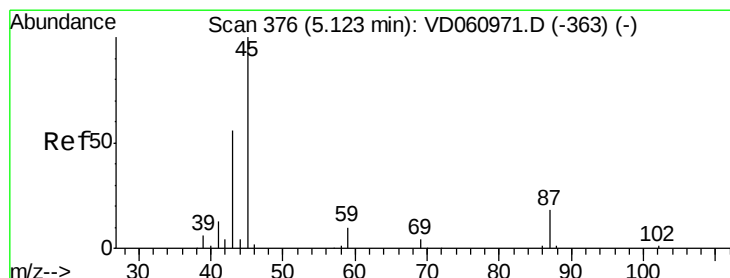
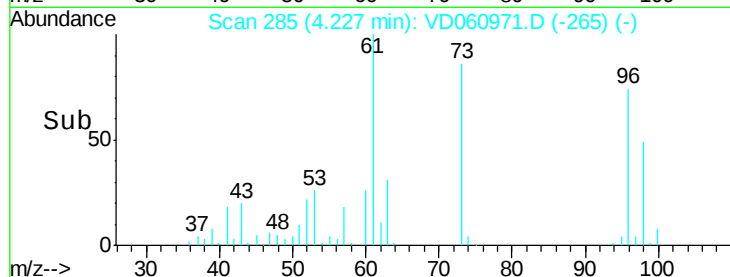
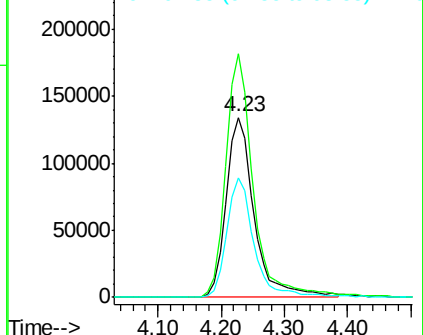
96 100

61 135.5 108.4 162.6

98 66.2 53.0 79.4



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



#22

Diisopropyl ether

Concen: 45.225 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion: 45 Resp: 1317019

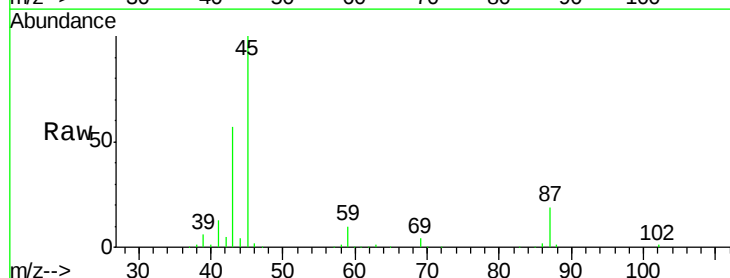
Ion Ratio Lower Upper

45 100

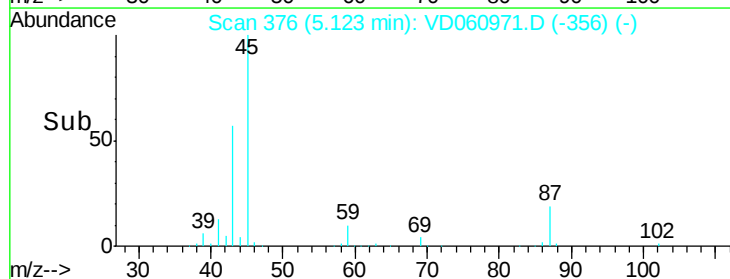
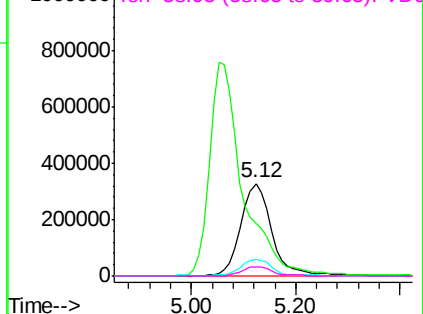
43 57.3 45.8 68.8

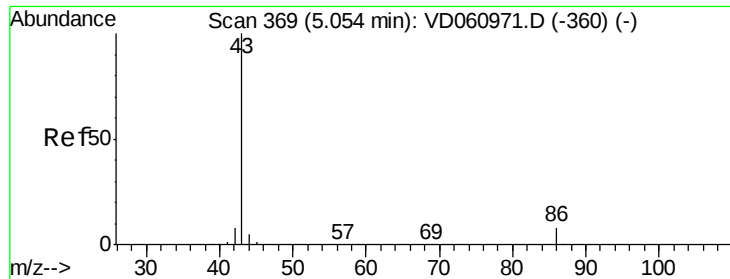
87 18.6 14.9 22.3

59 10.0 8.0 12.0



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

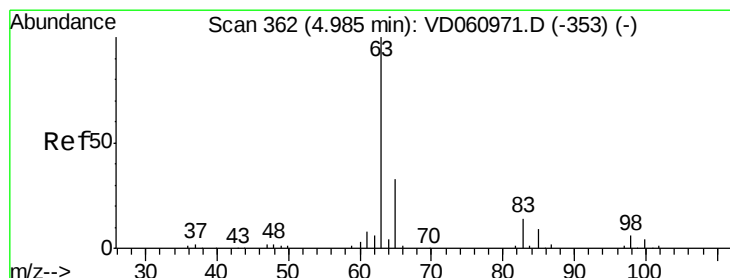
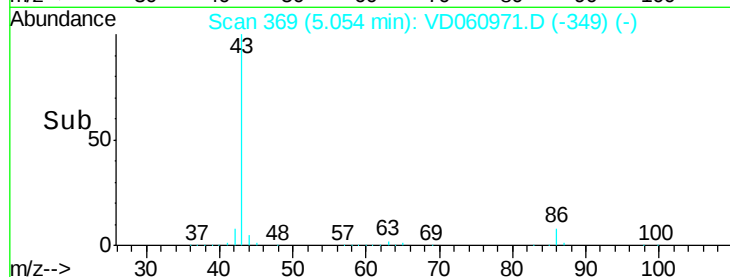
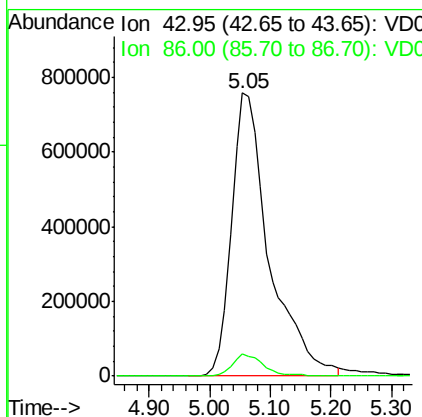
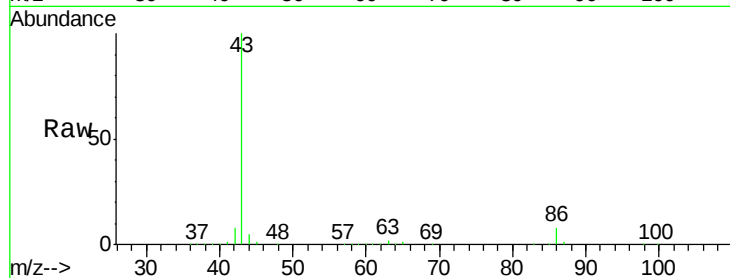




#23
 Vinyl Acetate
 Concen: 214.819 ug/l
 RT: 5.05 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

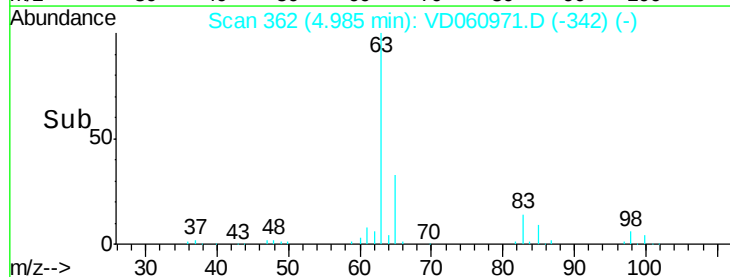
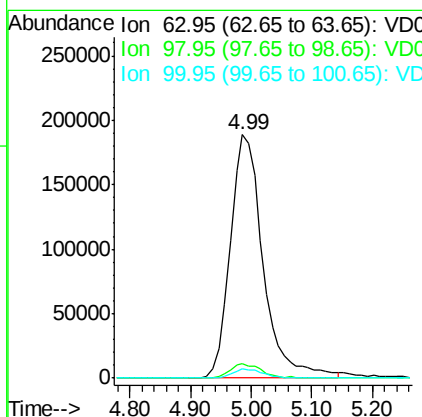
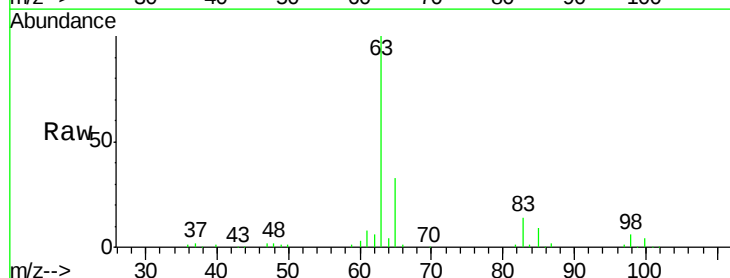
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 3278279
 Ion Ratio Lower Upper
 43 100
 86 7.7 6.2 9.2



#24
 1,1-Dichloroethane
 Concen: 45.388 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 63 Resp: 710756
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 219.632 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

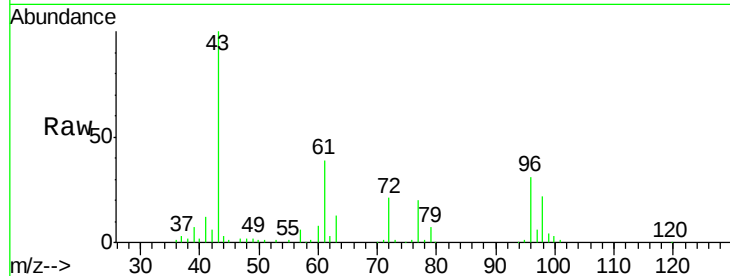
VSTDICCC050

Tgt Ion: 43 Resp: 544904

Ion Ratio Lower Upper

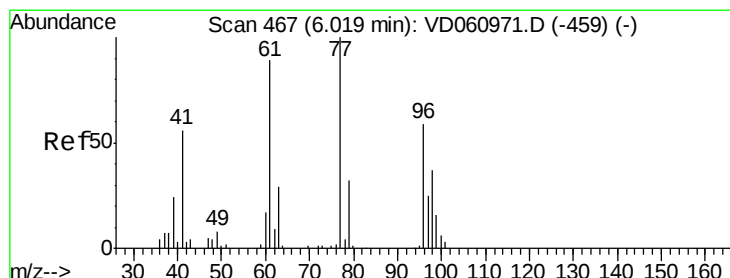
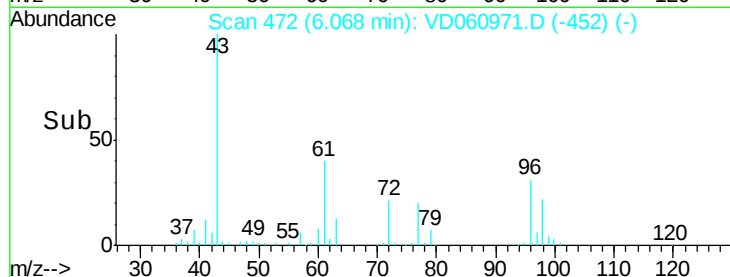
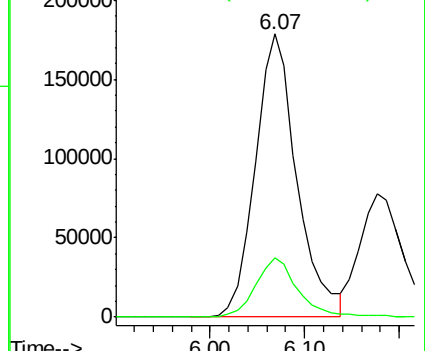
43 100

72 20.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.513 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060971.D

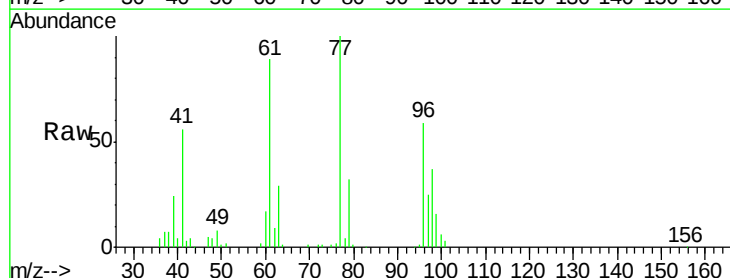
Acq: 7 Mar 2019 16:31

Tgt Ion: 77 Resp: 541279

Ion Ratio Lower Upper

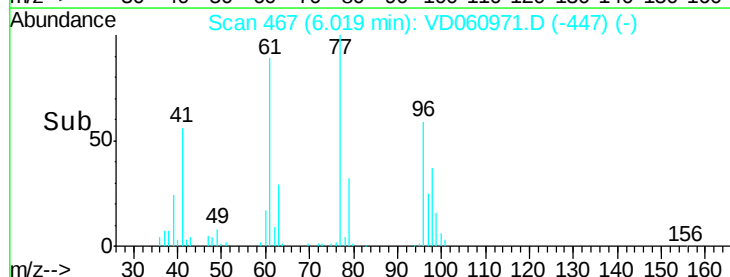
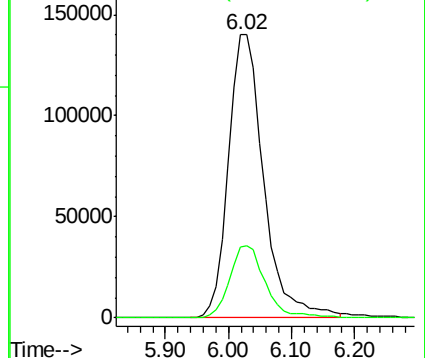
77 100

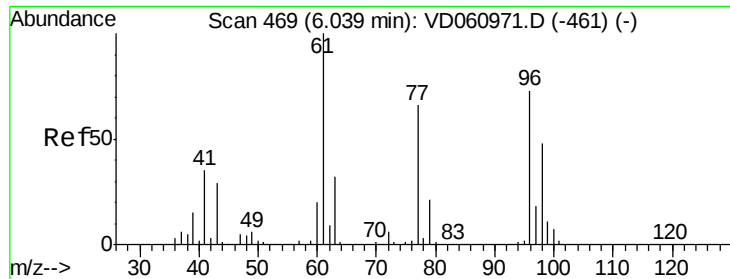
97 25.1 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



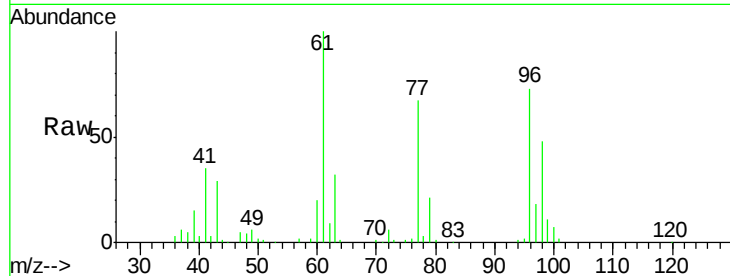


#27

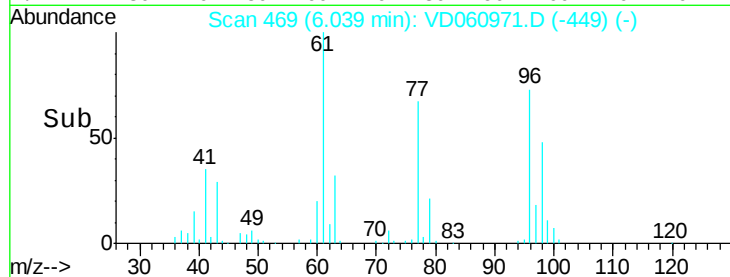
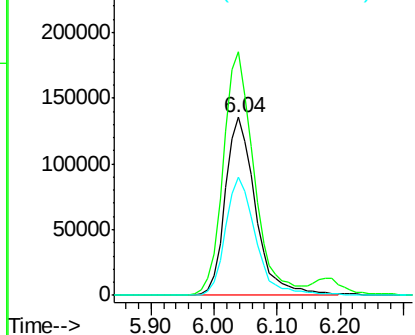
cis-1,2-Dichloroethene
Concen: 43.555 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 450705
Ion Ratio Lower Upper
96 100
61 136.8 0.0 273.6
98 66.3 0.0 132.6



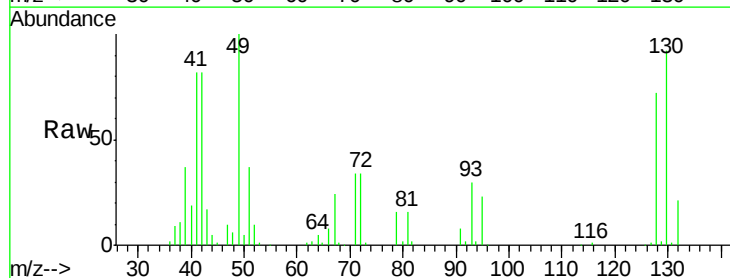
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



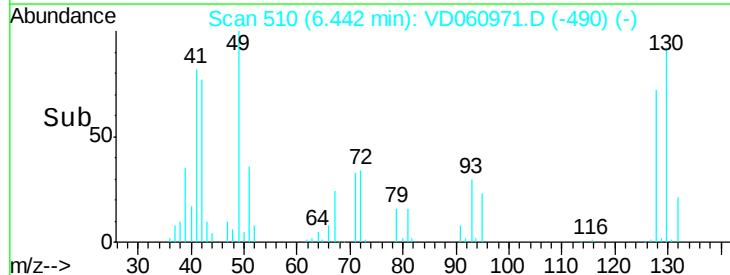
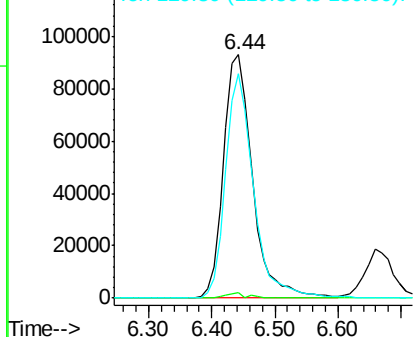
#28

Bromochloromethane
Concen: 45.747 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 49 Resp: 297688
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 92.3 73.8 110.8



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: 225.543 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

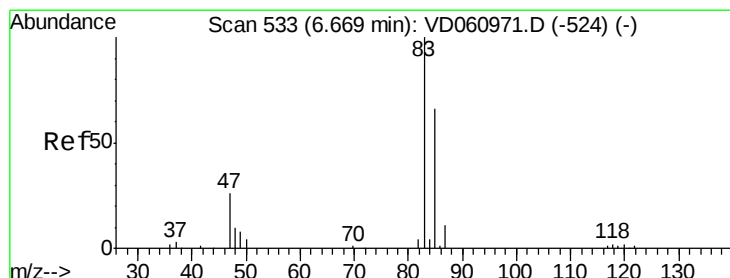
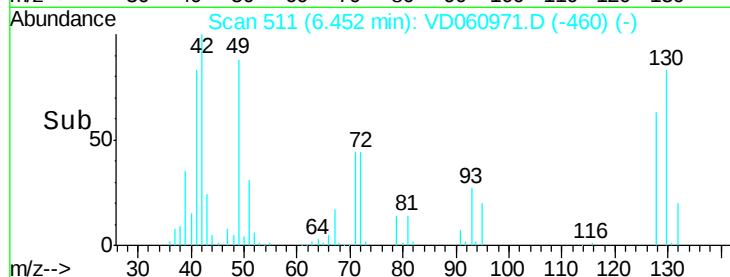
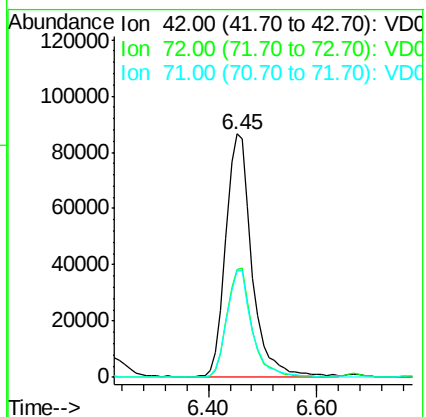
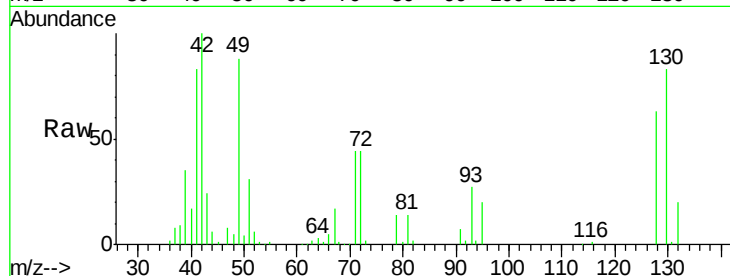
Tgt Ion: 42 Resp: 292681

Ion Ratio Lower Upper

42 100

72 43.1 34.5 51.7

71 42.2 33.8 50.6



#30

Chloroform

Concen: 44.765 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060971.D

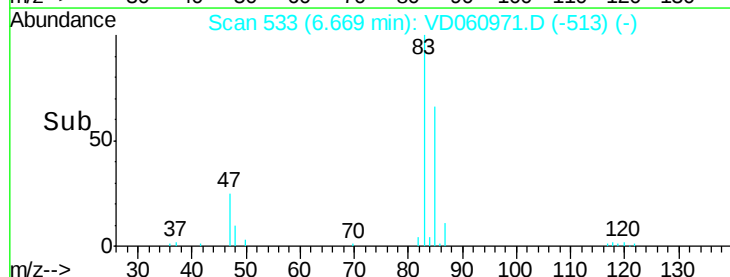
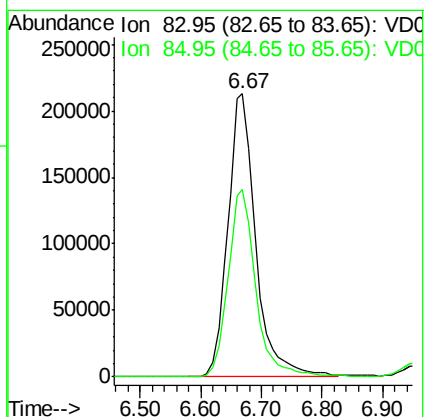
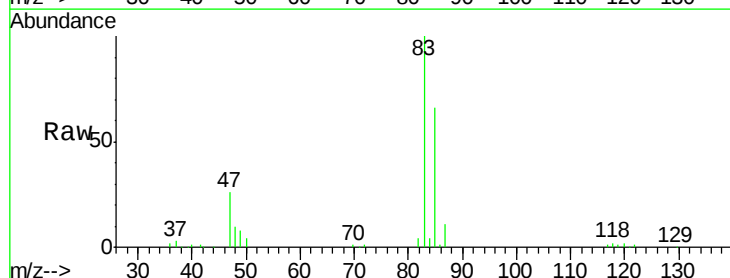
Acq: 7 Mar 2019 16:31

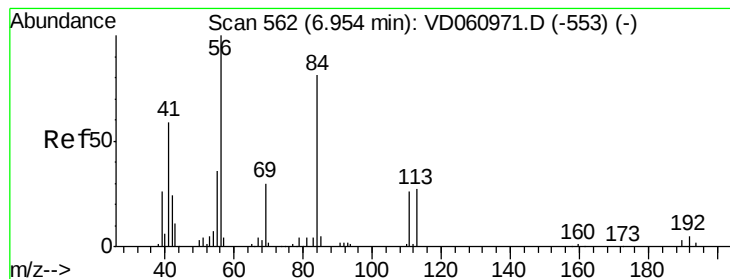
Tgt Ion: 83 Resp: 678298

Ion Ratio Lower Upper

83 100

85 66.2 53.0 79.4





#31

Cyclohexane

Concen: 45.066 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

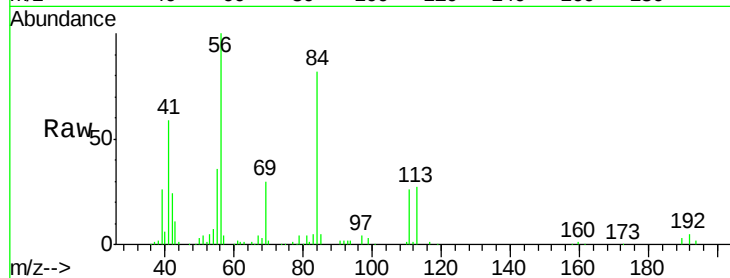
Tgt Ion: 56 Resp: 598859

Ion Ratio Lower Upper

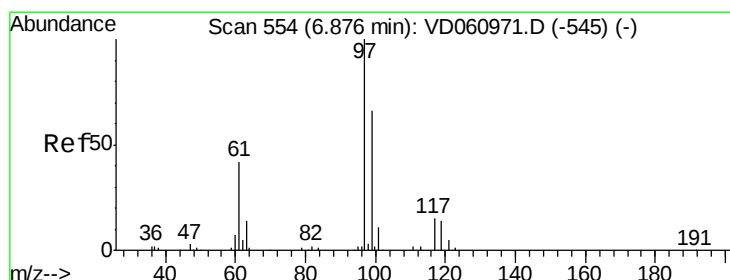
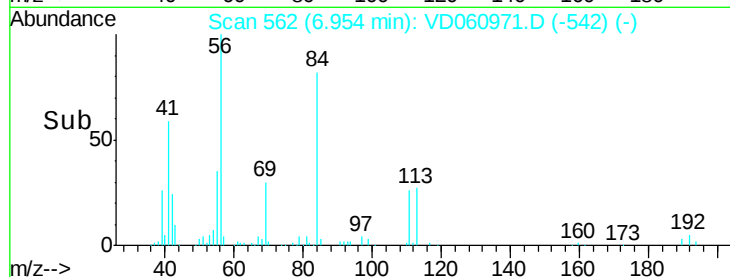
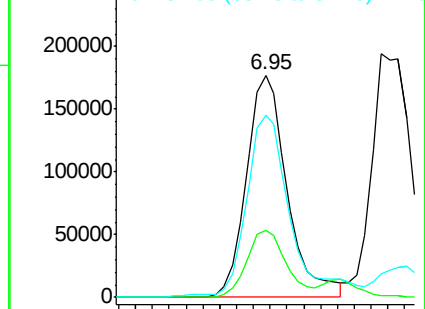
56 100

69 30.0 24.0 36.0

84 82.2 65.8 98.6



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: 48.039 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

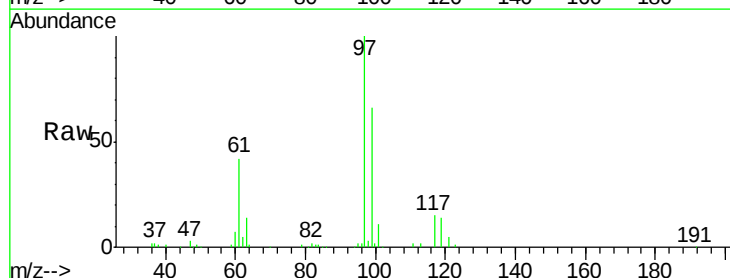
Tgt Ion: 97 Resp: 626098

Ion Ratio Lower Upper

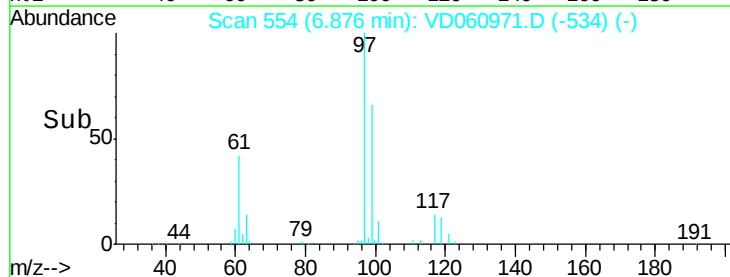
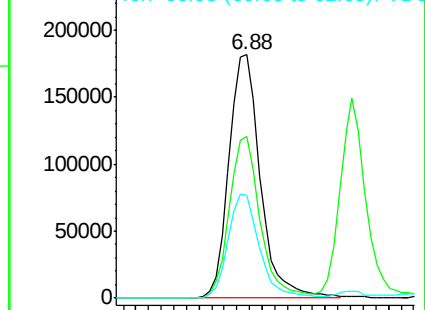
97 100

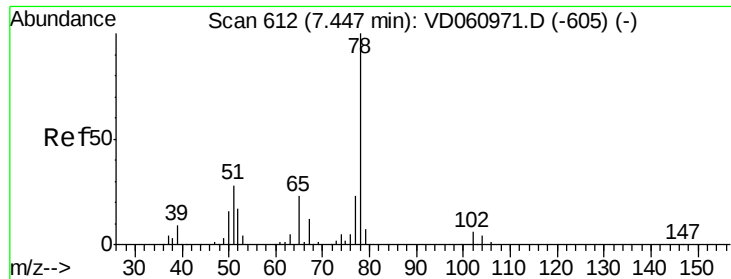
99 66.5 53.2 79.8

61 42.3 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.039 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

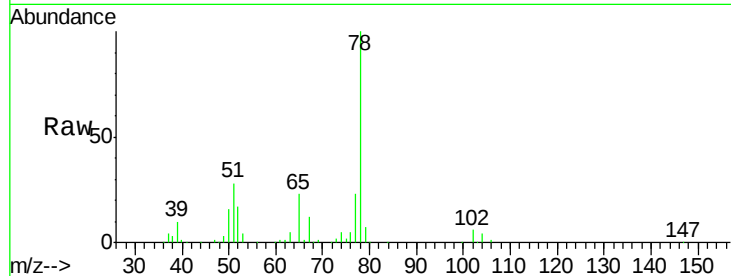
VSTDICCC050

Tgt Ion: 65 Resp: 310578

Ion Ratio Lower Upper

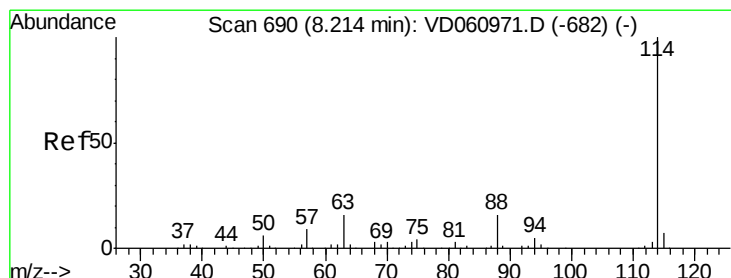
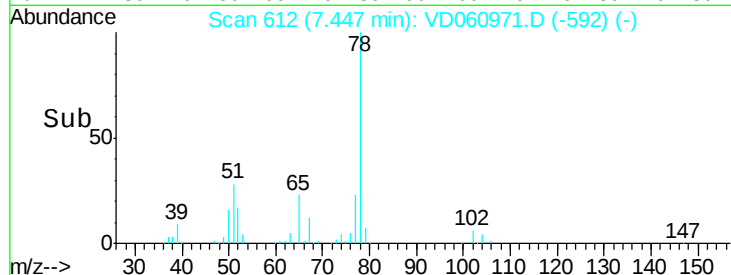
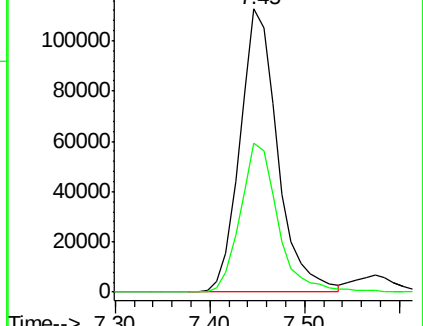
65 100

67 52.6 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

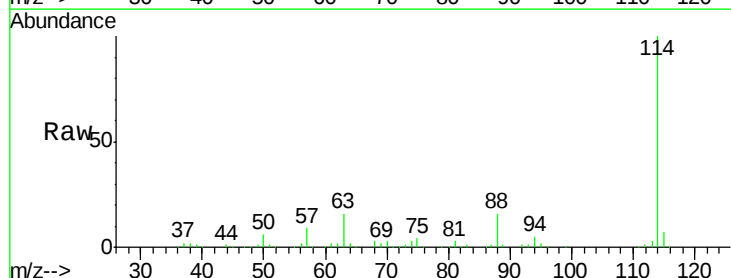
Tgt Ion: 114 Resp: 1230199

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

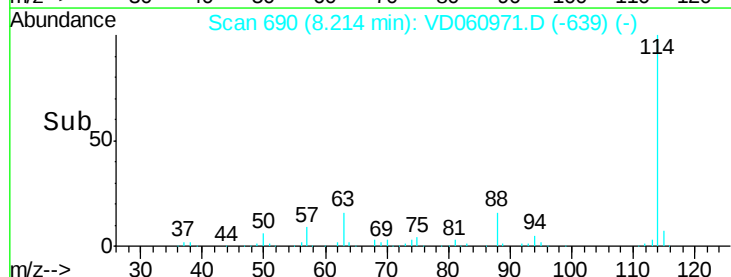
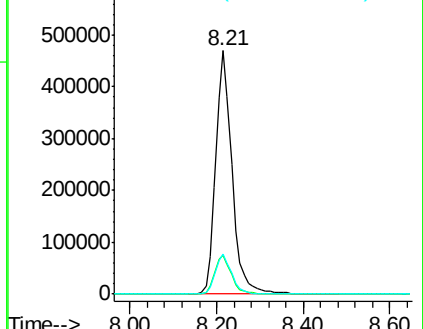
88 16.5 0.0 33.0

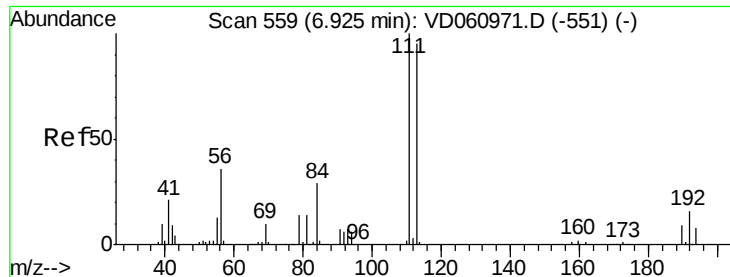


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

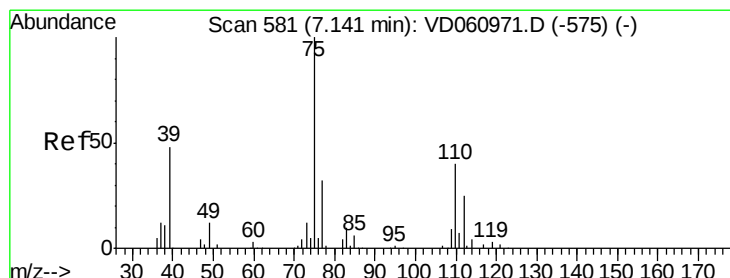
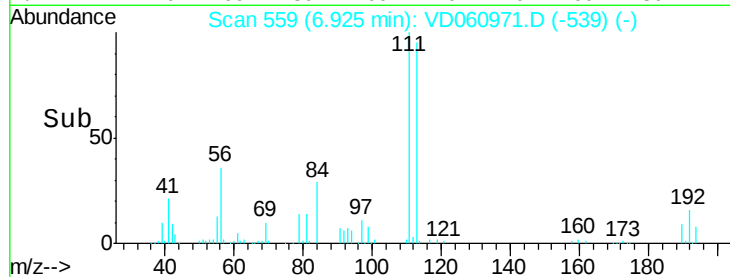
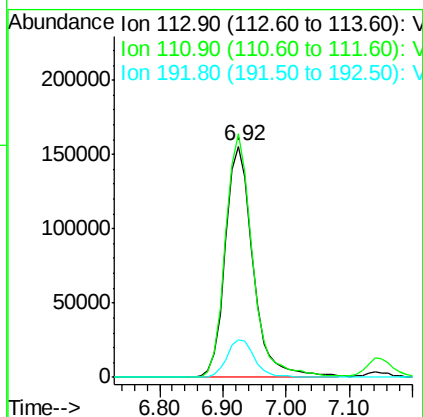
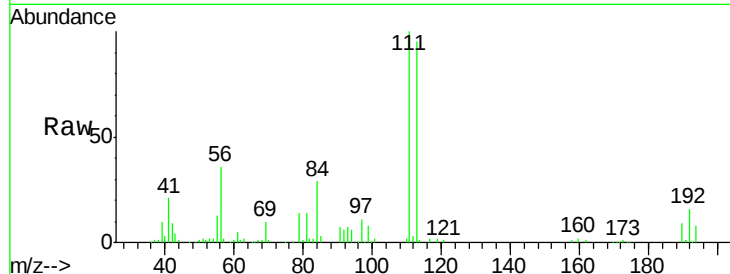




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

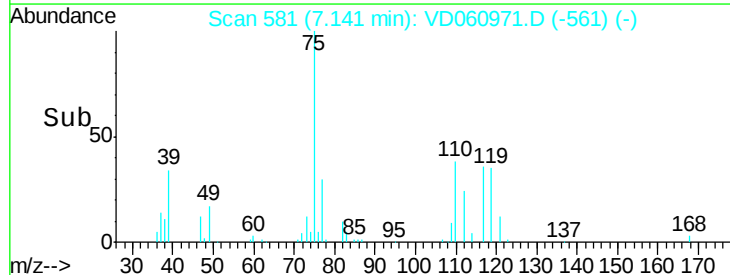
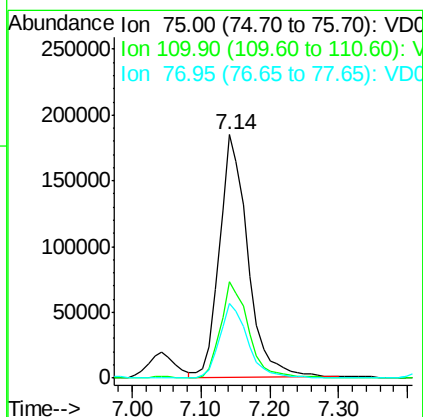
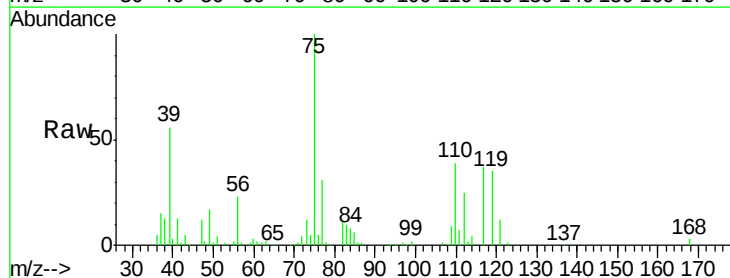
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

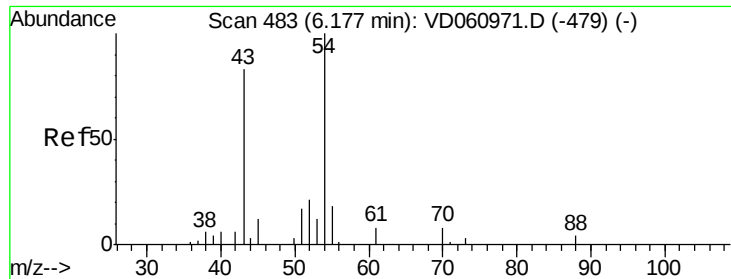
Tgt Ion:113 Resp: 473902
 Ion Ratio Lower Upper
 113 100
 111 105.3 84.2 126.4
 192 16.4 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 46.482 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 75 Resp: 524326
 Ion Ratio Lower Upper
 75 100
 110 39.4 19.7 59.1
 77 30.9 24.7 37.1

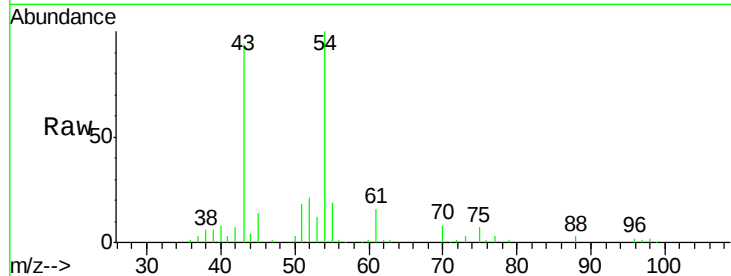




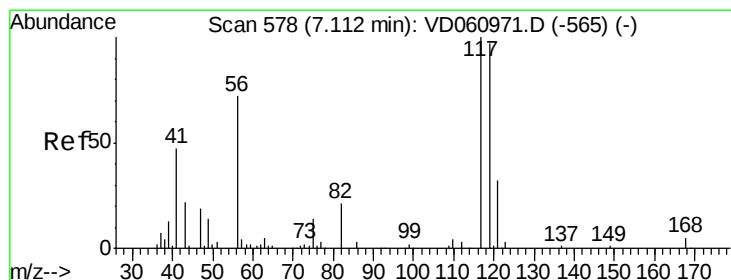
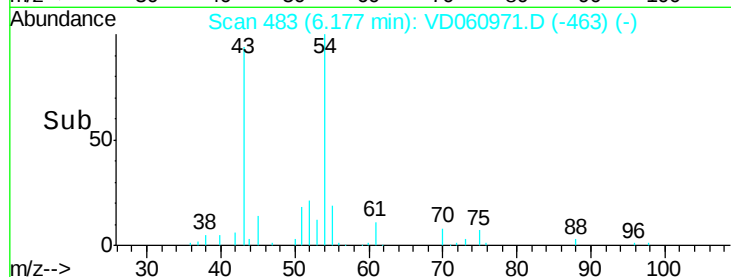
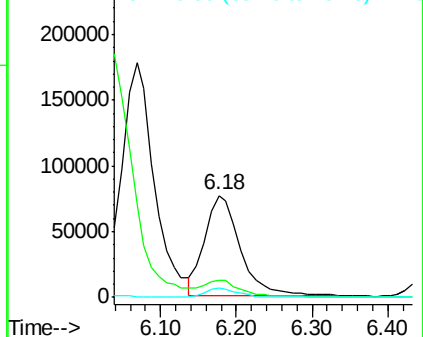
#37
Ethyl Acetate
Concen: 43.298 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 249534
Ion Ratio Lower Upper
43 100
61 17.1 13.7 20.5
70 8.9 7.1 10.7

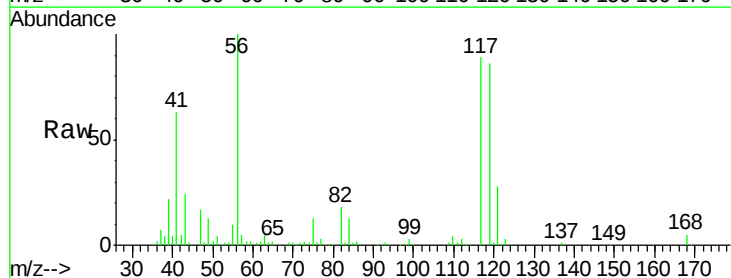


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

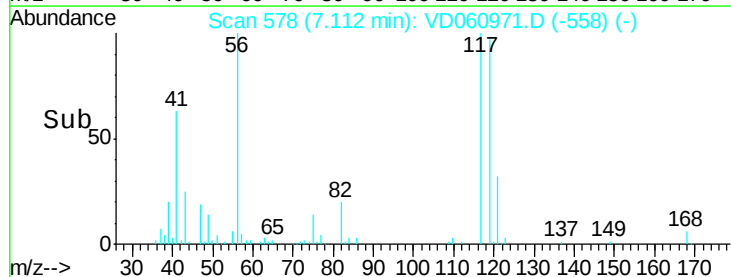
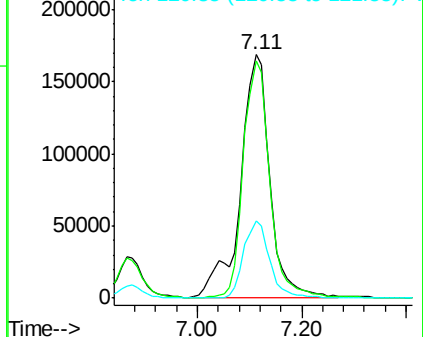


#38
Carbon Tetrachloride
Concen: 51.974 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 117 Resp: 635425
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
121 31.6 25.3 37.9



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





#39

Methylcyclohexane

Concen: 47.624 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

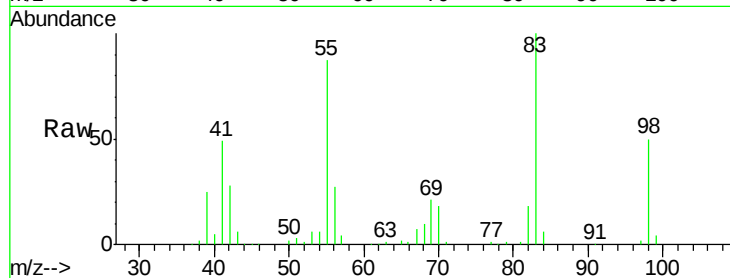
Tgt Ion: 83 Resp: 585480

Ion Ratio Lower Upper

83 100

55 87.0 69.6 104.4

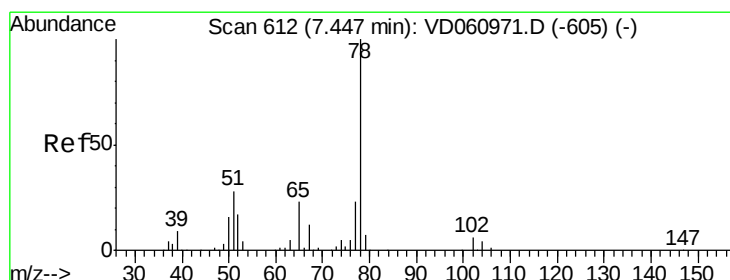
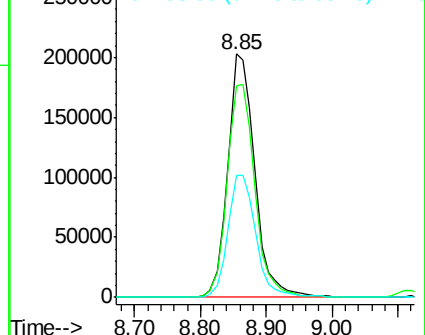
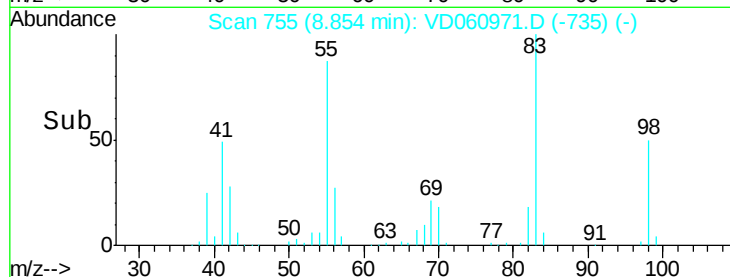
98 50.0 40.0 60.0



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: 48.838 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060971.D

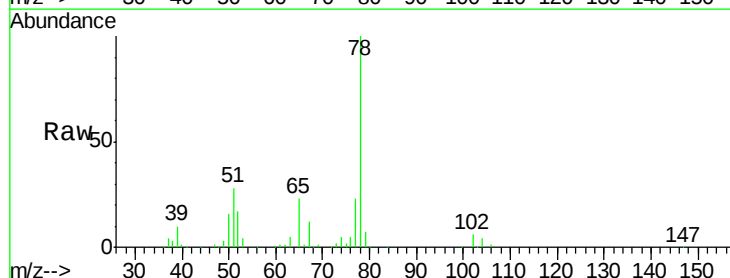
Acq: 7 Mar 2019 16:31

Tgt Ion: 78 Resp: 1421509

Ion Ratio Lower Upper

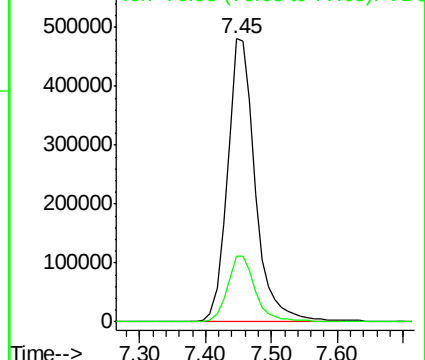
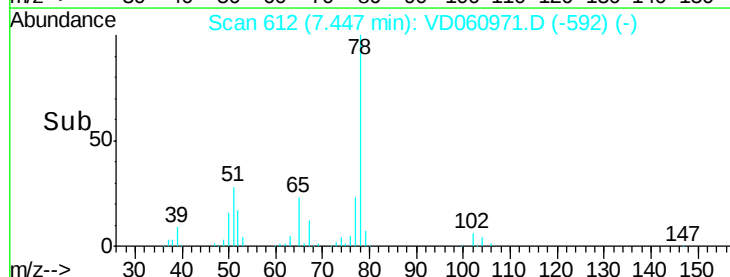
78 100

77 23.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

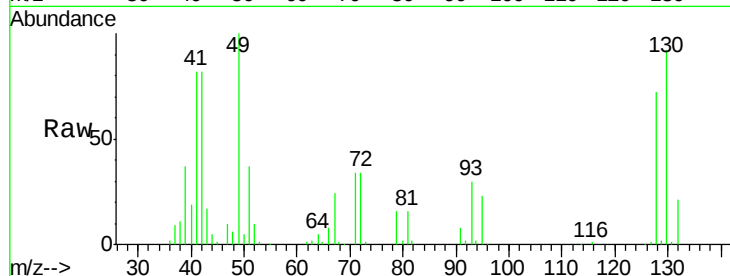




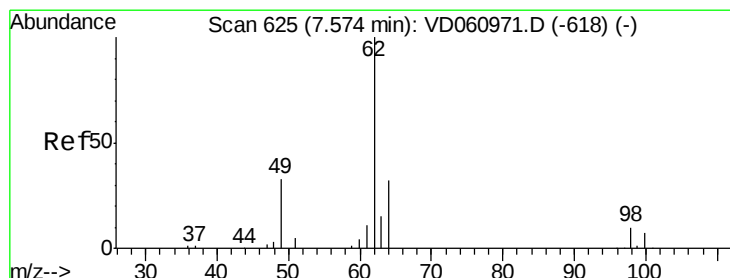
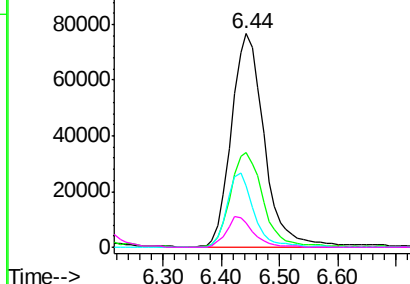
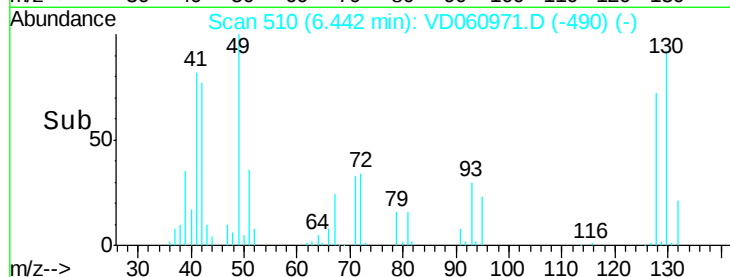
#41
Methacrylonitrile
Concen: 72.967 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 301431
Ion Ratio Lower Upper
41 100
39 44.6 35.7 53.5
67 28.8 23.0 34.6
52 11.5 9.2 13.8

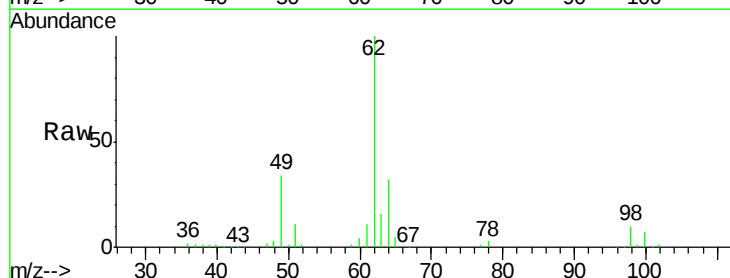


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

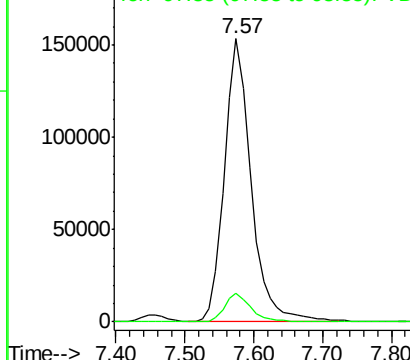
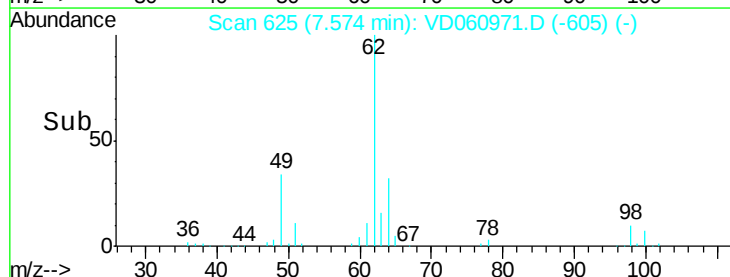


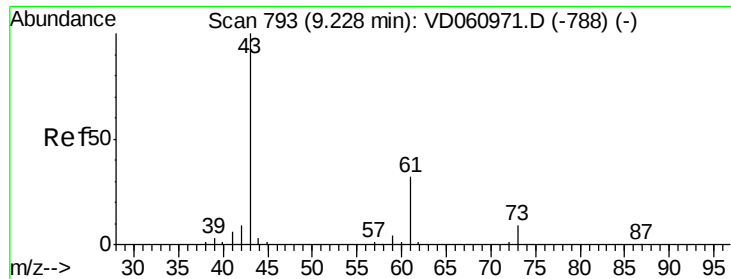
#42
1,2-Dichloroethane
Concen: 50.190 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 62 Resp: 413529
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.4



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



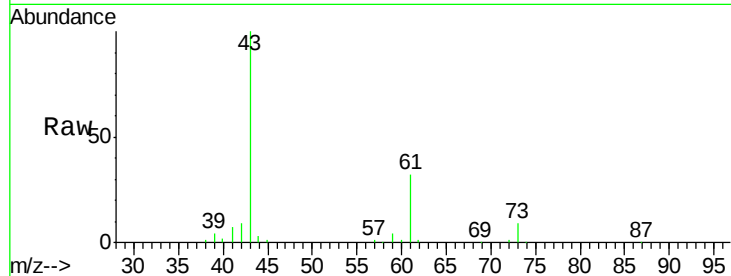


#43

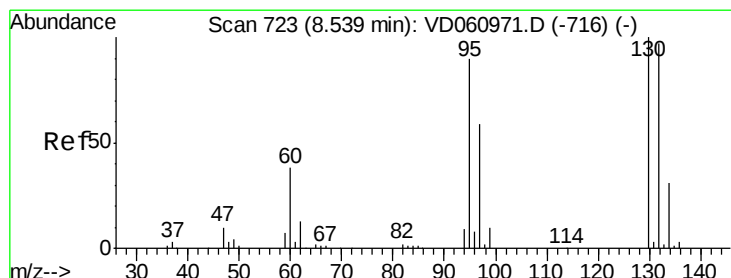
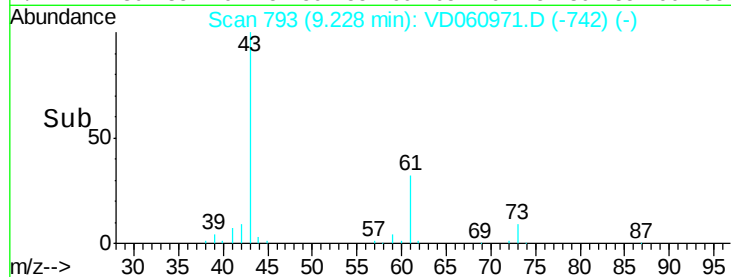
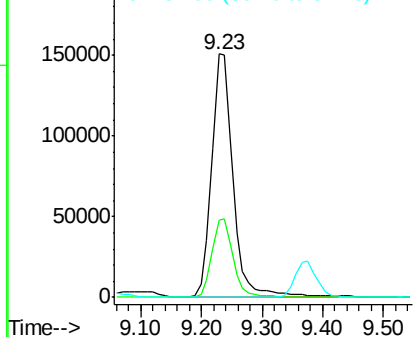
Isopropyl Acetate
 Concen: 46.371 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 371895
 Ion Ratio Lower Upper
 43 100
 61 32.0 25.6 38.4
 87 0.3 0.2 0.4



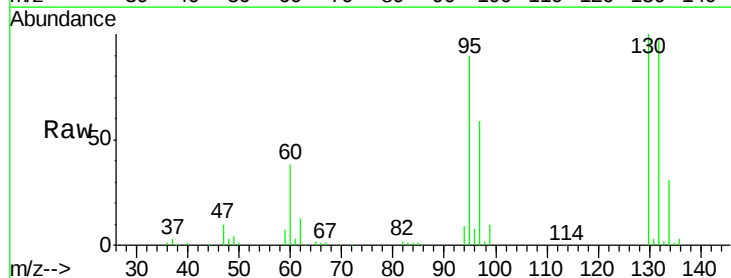
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



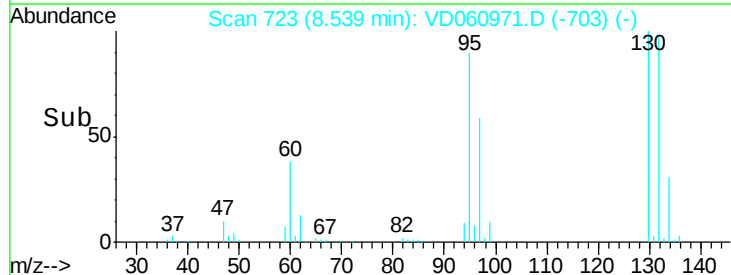
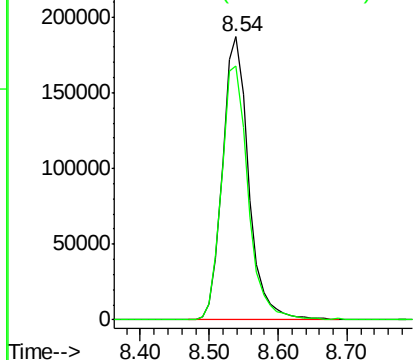
#44

Trichloroethene
 Concen: 49.649 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 130 Resp: 490346
 Ion Ratio Lower Upper
 130 100
 95 89.7 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 47.899 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

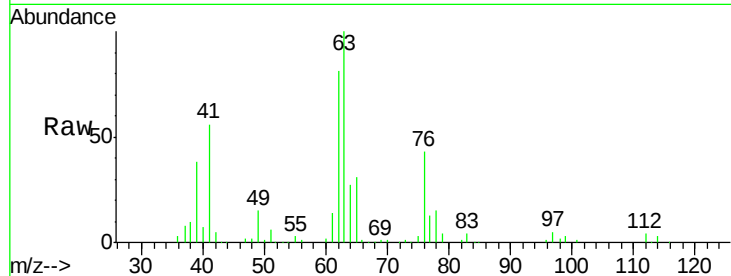
VSTDICCC050

Tgt Ion: 63 Resp: 366349

Ion Ratio Lower Upper

63 100

65 31.0 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

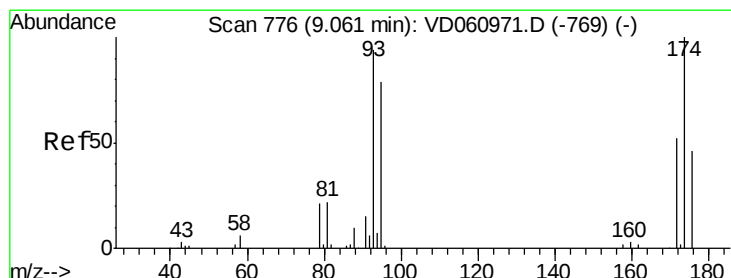
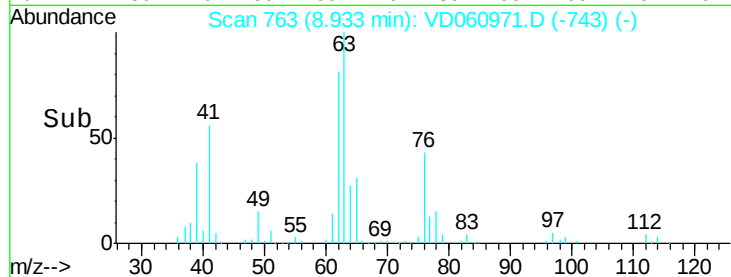
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 47.085 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

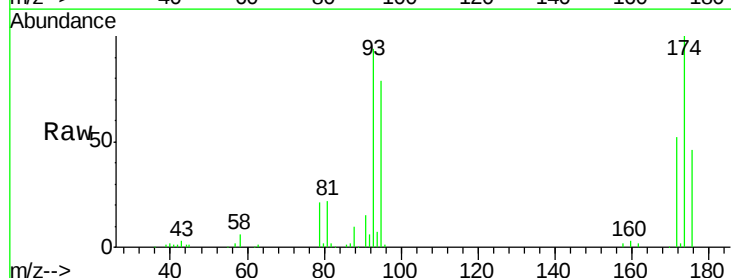
Tgt Ion: 93 Resp: 230400

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

174 106.7 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

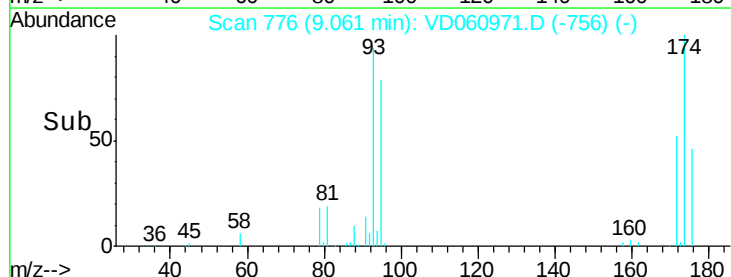
9.06

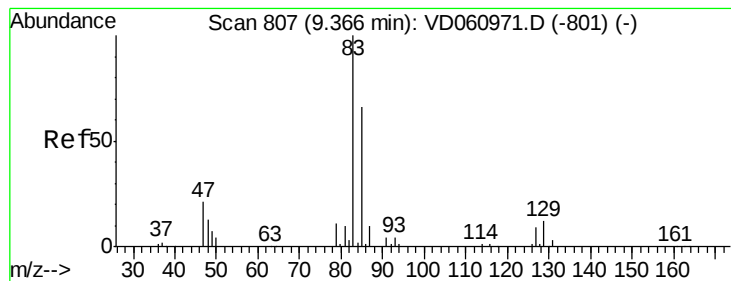
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 50.626 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

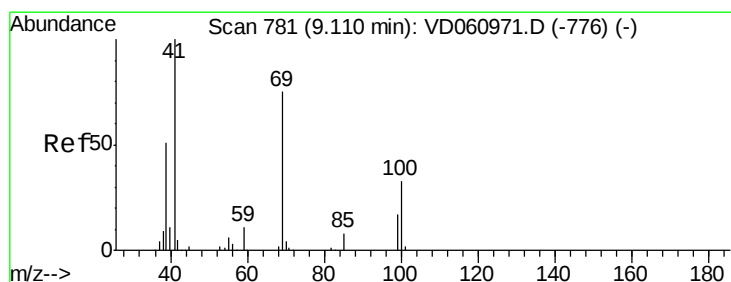
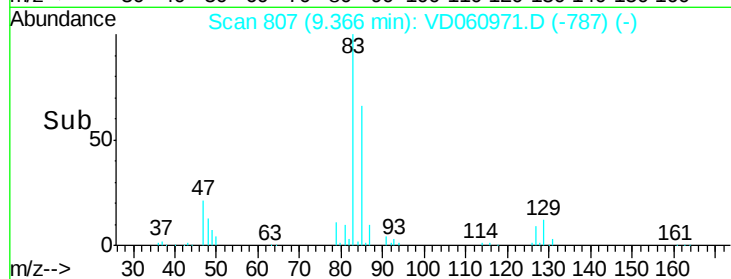
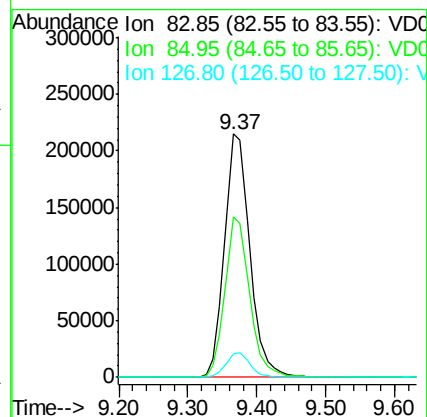
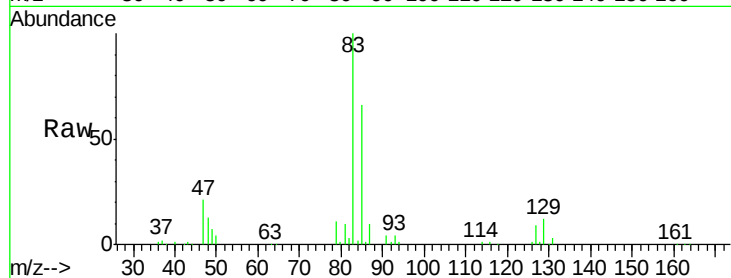
Tgt Ion: 83 Resp: 549822

Ion Ratio Lower Upper

83 100

85 65.6 52.5 78.7

127 9.4 7.5 11.3



#48

Methyl methacrylate

Concen: 45.841 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

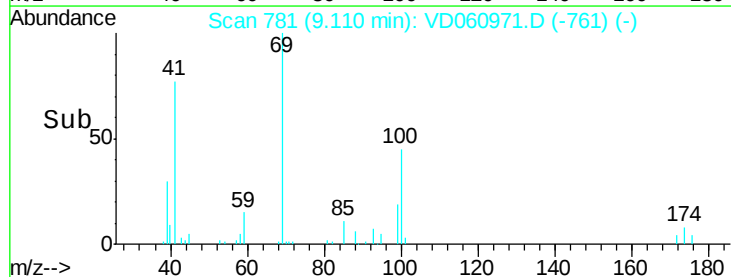
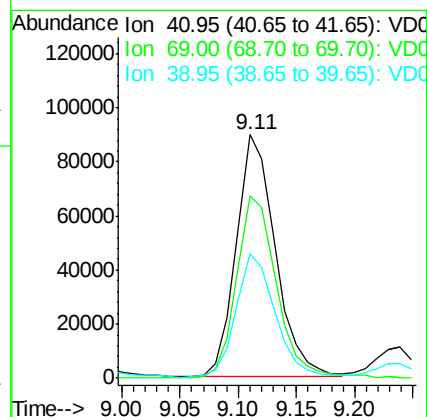
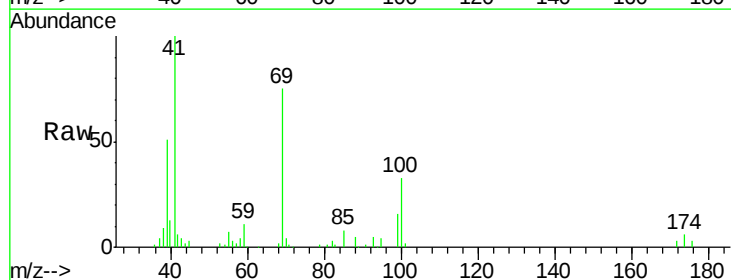
Tgt Ion: 41 Resp: 207853

Ion Ratio Lower Upper

41 100

69 74.9 59.9 89.9

39 51.1 40.9 61.3

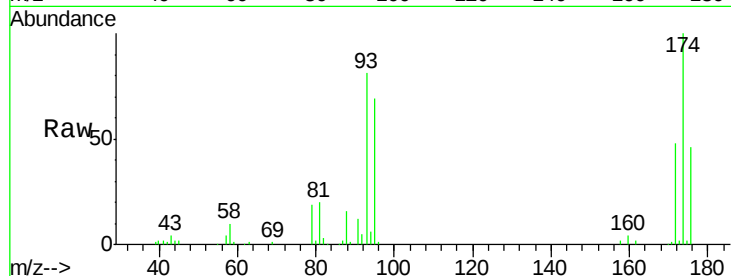




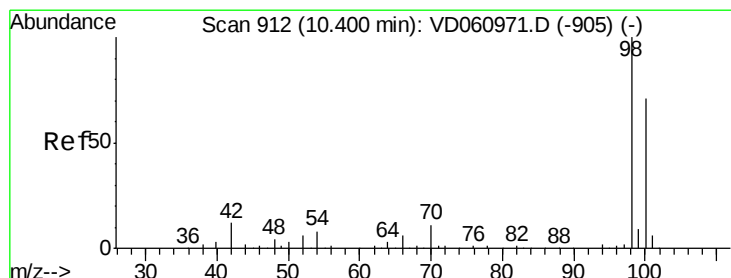
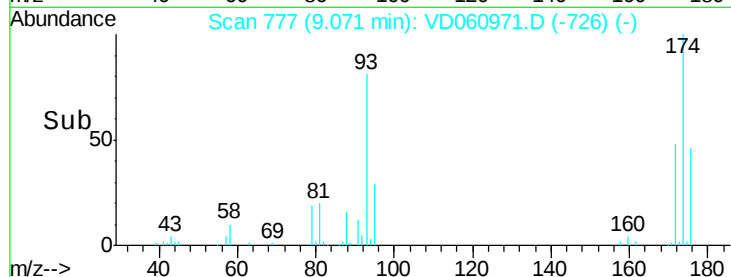
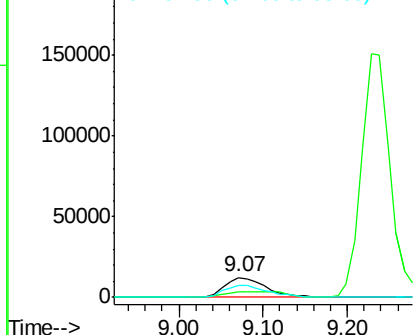
#49
1,4-Dioxane
Concen: 884.166 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 41146
Ion Ratio Lower Upper
88 100
43 26.3 21.0 31.6
58 60.7 48.6 72.8

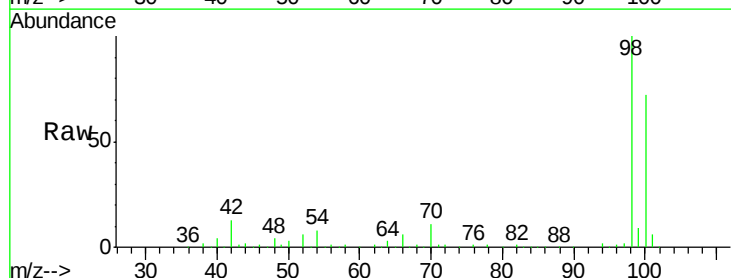


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

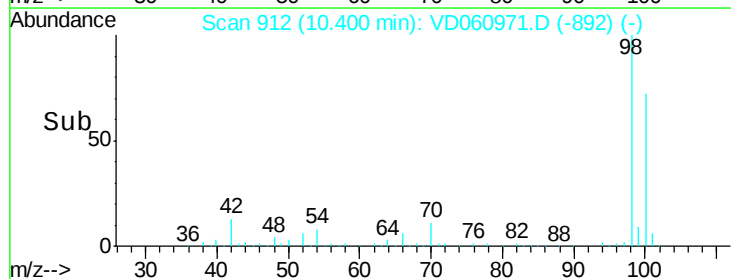
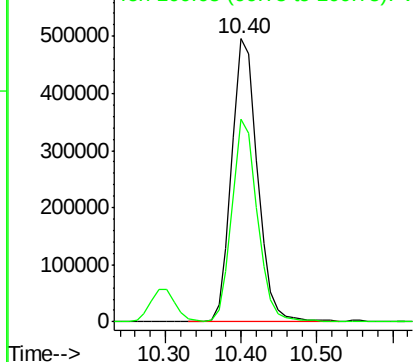


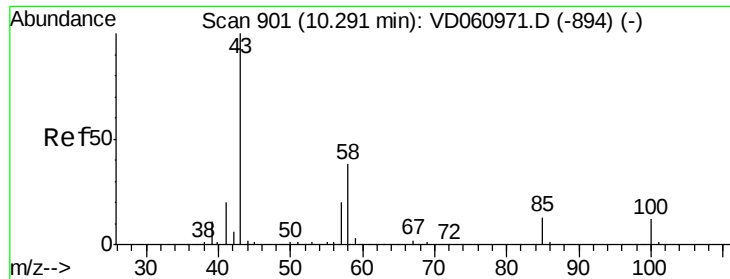
#50
Toluene-d8
Concen: 884.166 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 98 Resp: 1169813
Ion Ratio Lower Upper
98 100
100 71.8 57.4 86.2



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

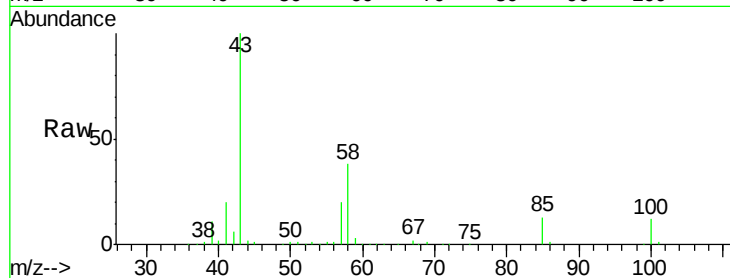




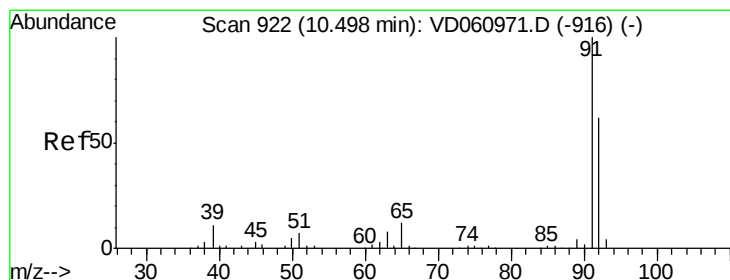
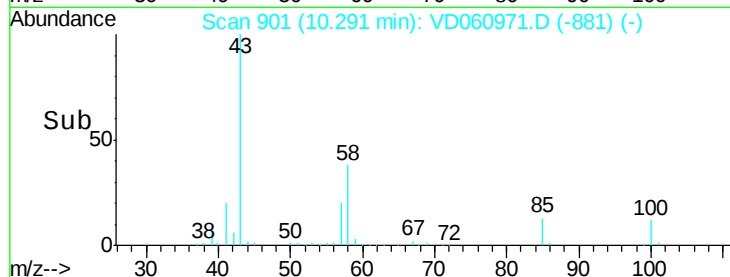
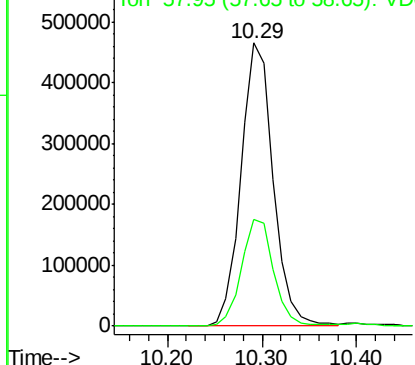
#51
4-Methyl-2-Pentanone
Concen: 224.224 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1097994
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.2

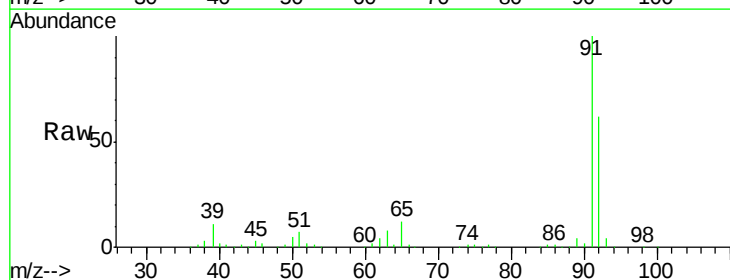


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

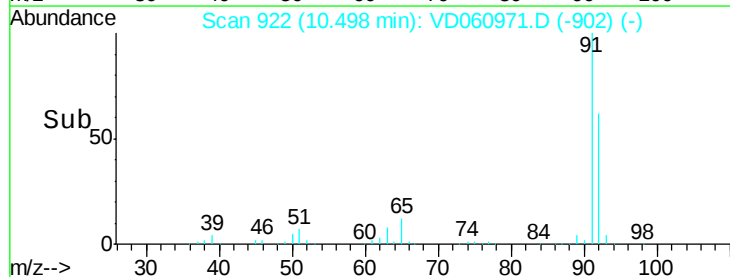
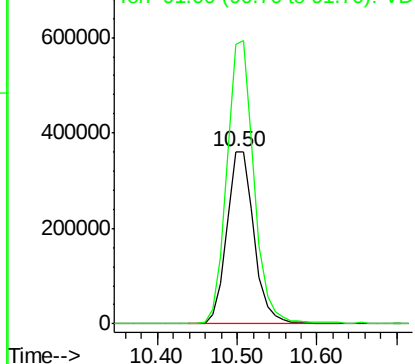


#52
Toluene
Concen: 46.785 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 92 Resp: 866666
Ion Ratio Lower Upper
92 100
91 162.3 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

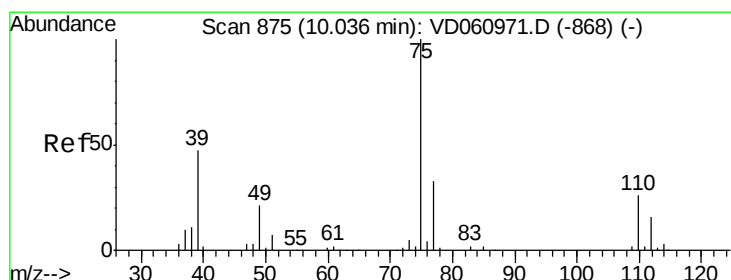
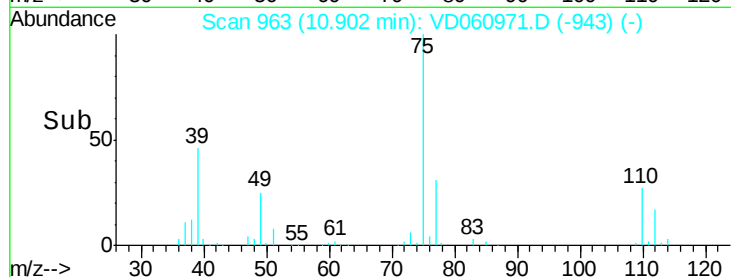
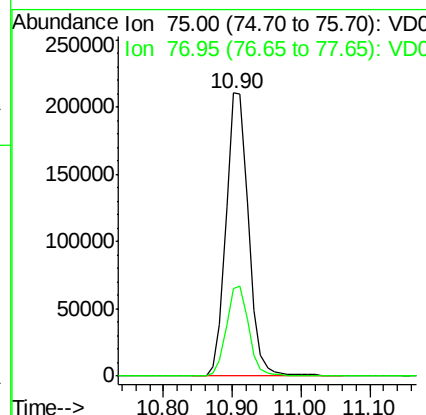
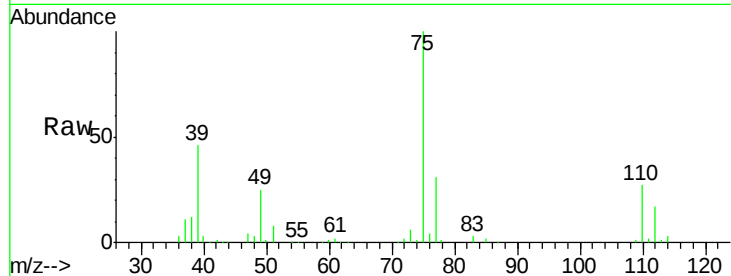




#53
 t-1,3-Dichloropropene
 Concen: 48.078 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

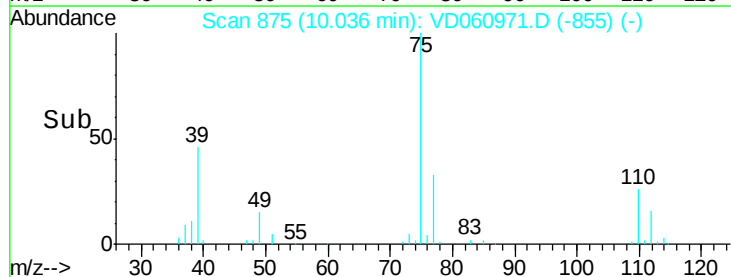
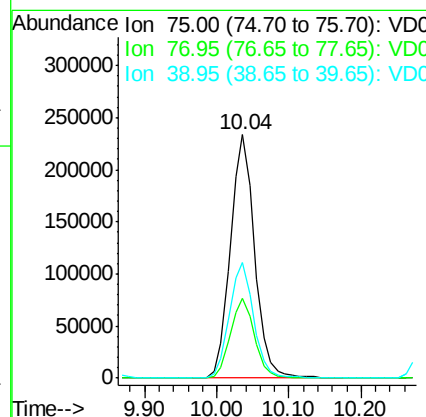
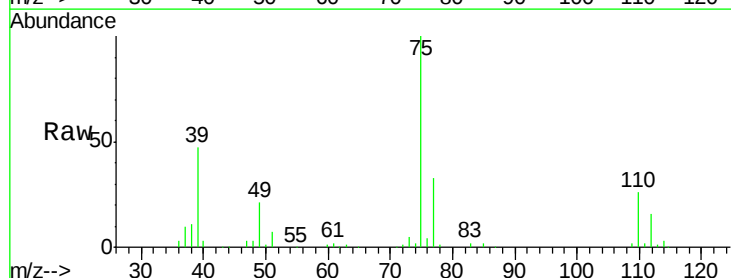
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 75 Resp: 474400
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 45.097 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 75 Resp: 545802
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4
 39 47.3 37.8 56.8

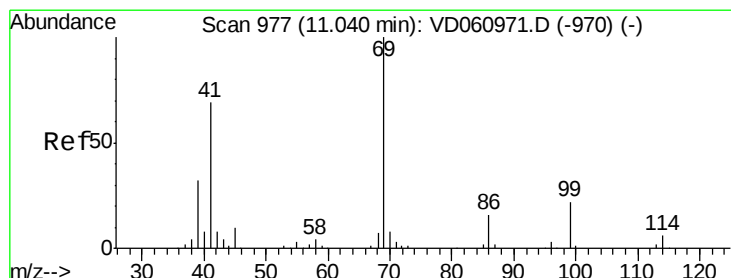
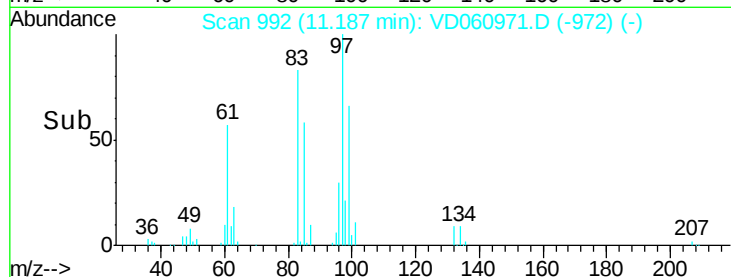
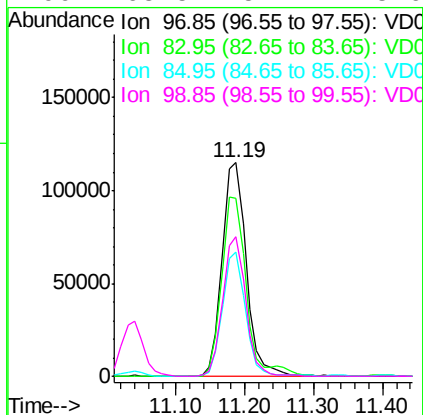
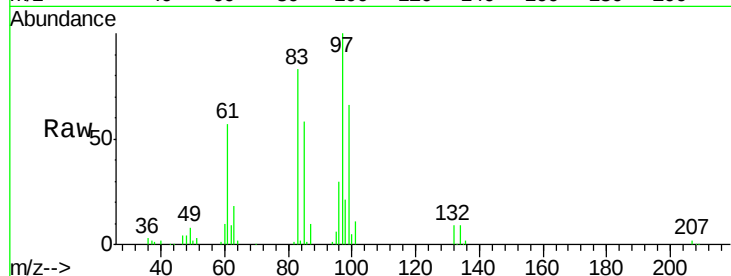




#55
 1,1,2-Trichloroethane
 Concen: 45.931 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

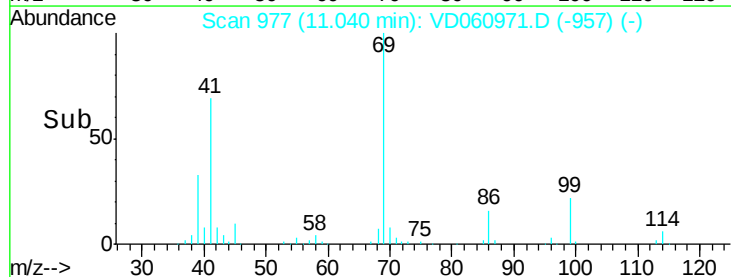
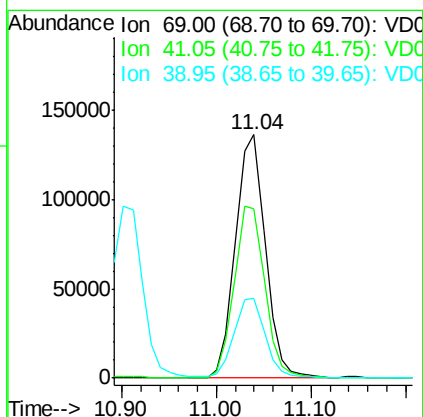
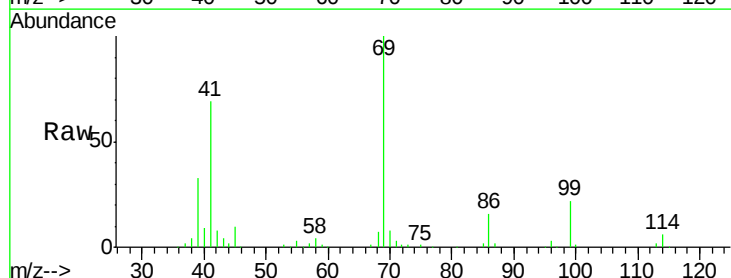
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

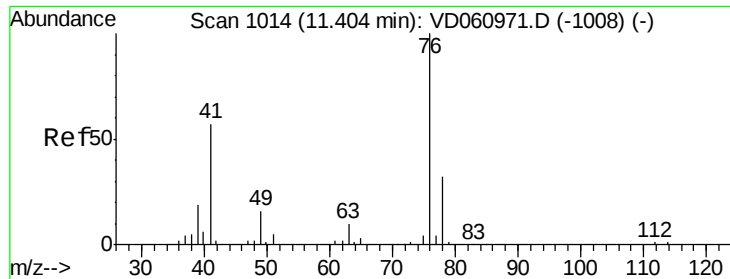
Tgt Ion: 97 Resp: 281328
 Ion Ratio Lower Upper
 97 100
 83 83.3 66.6 100.0
 85 58.0 46.4 69.6
 99 65.5 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 46.779 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 69 Resp: 300756
 Ion Ratio Lower Upper
 69 100
 41 69.4 55.5 83.3
 39 32.7 26.2 39.2

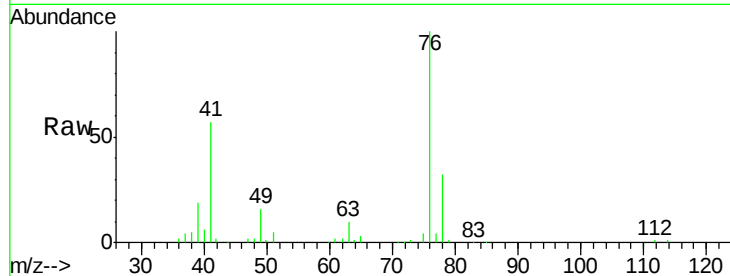




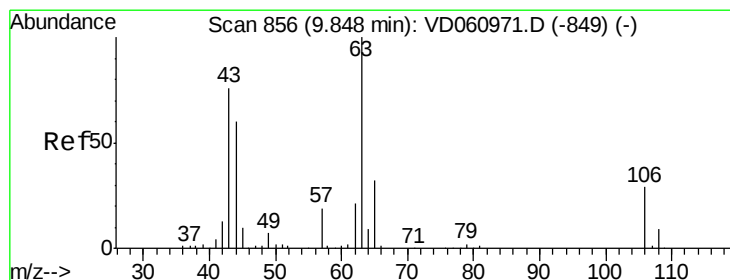
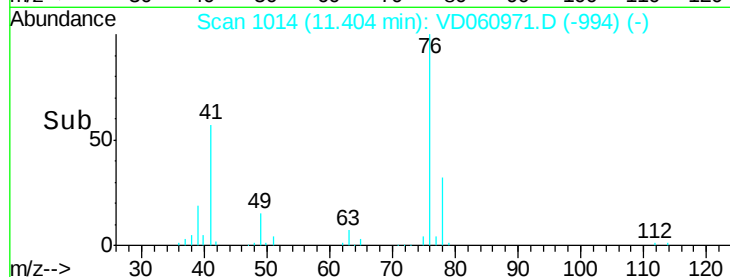
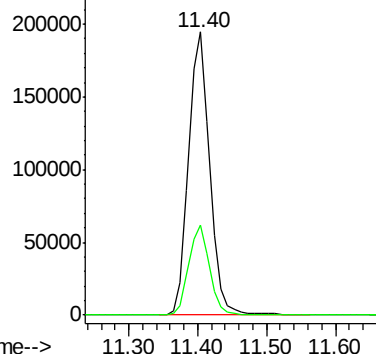
#57
 1,3-Dichloropropane
 Concen: 46.773 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 414152
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

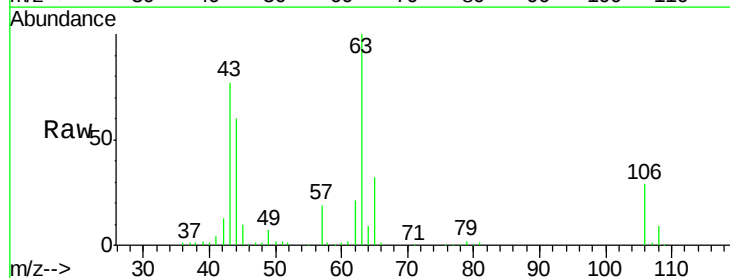


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

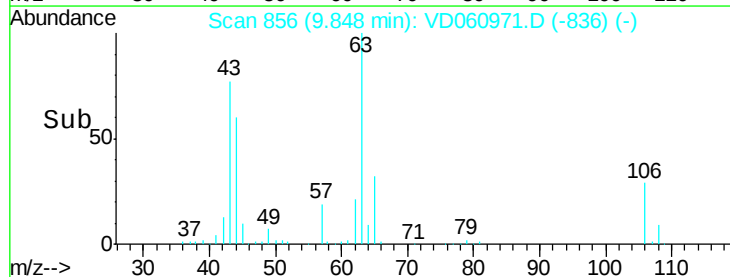
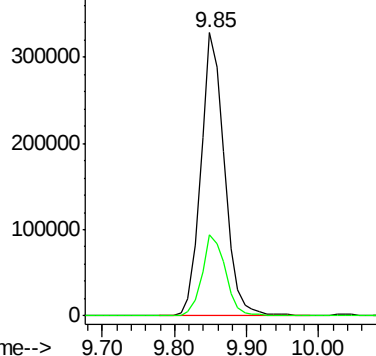


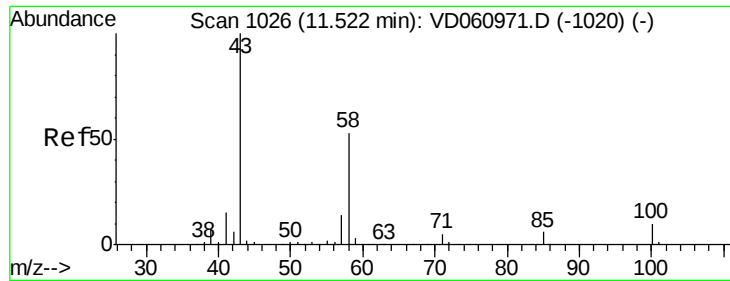
#58
 2-Chloroethyl Vinyl ether
 Concen: 216.702 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 63 Resp: 745973
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

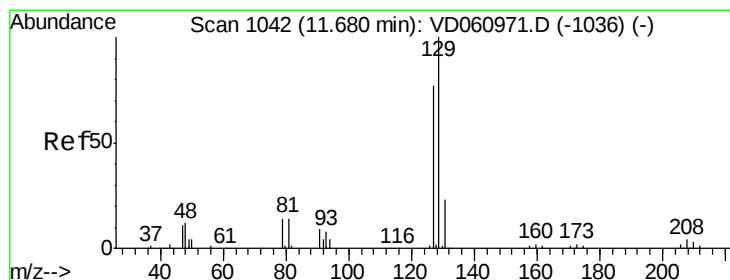
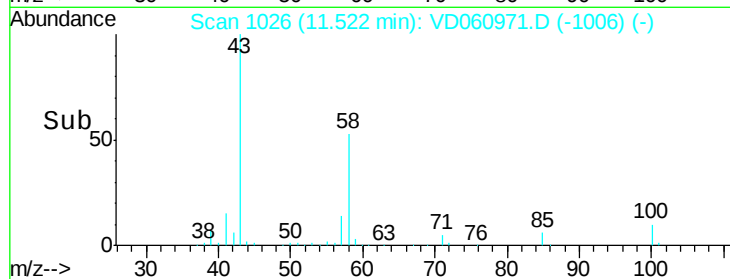
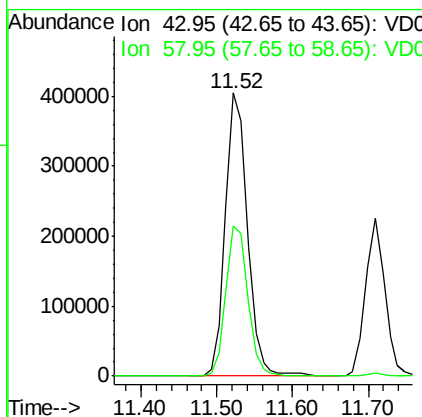
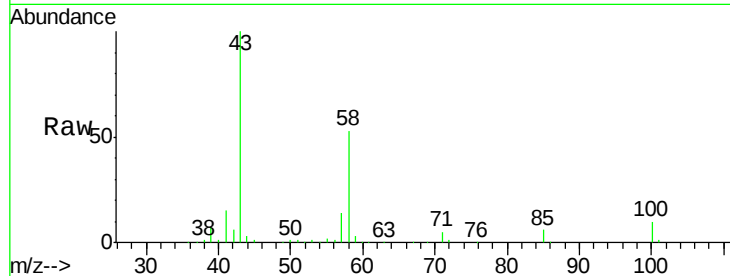




#59
2-Hexanone
Concen: 238.399 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

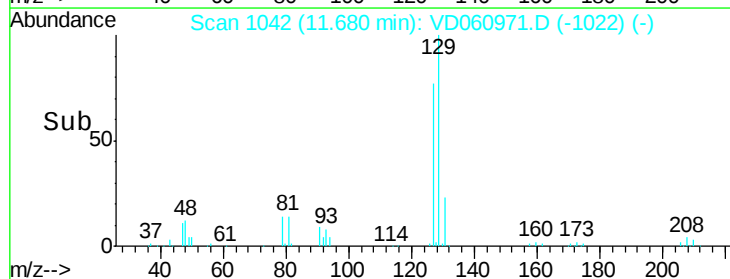
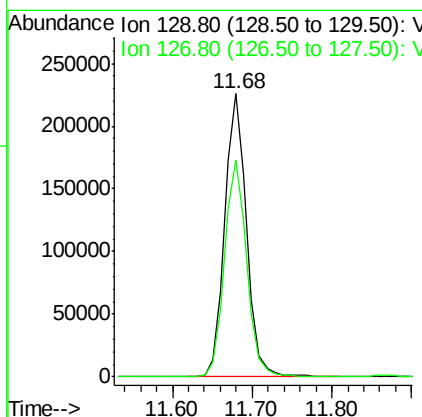
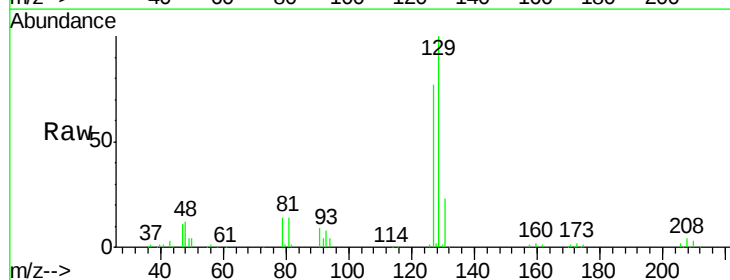
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 819187
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5



#60
Dibromochloromethane
Concen: 49.386 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 129 Resp: 437019
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9

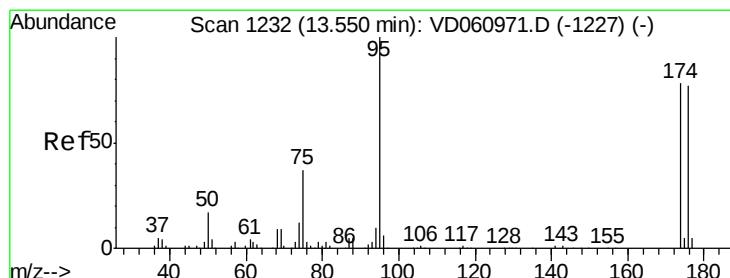
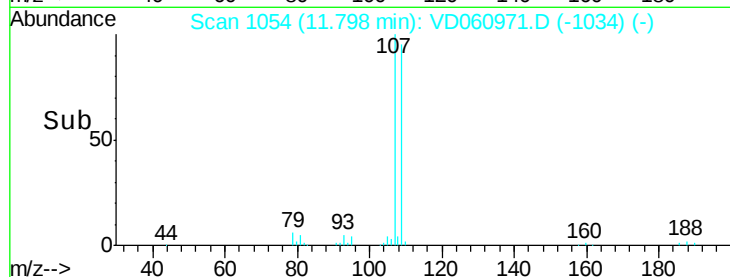
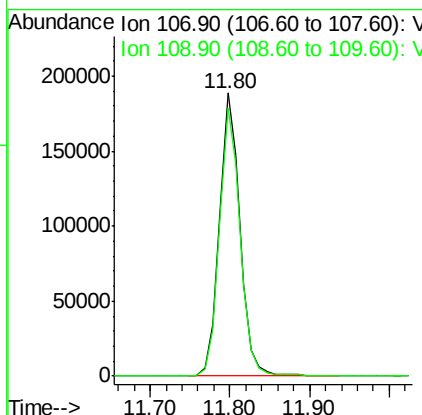
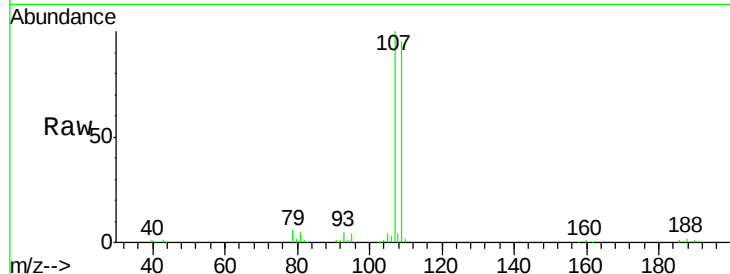




#61
 1,2-Dibromoethane
 Concen: 48.013 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

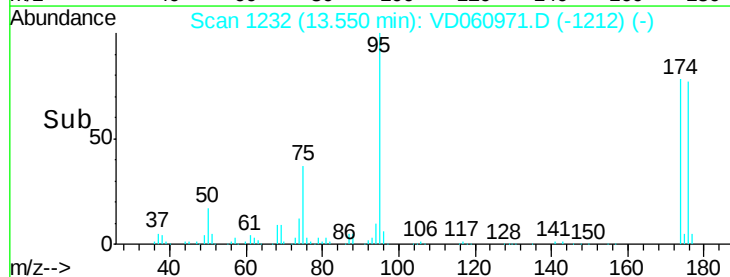
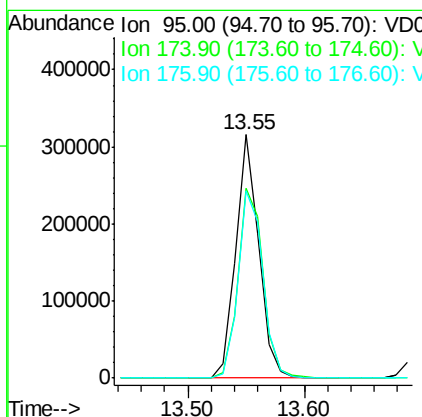
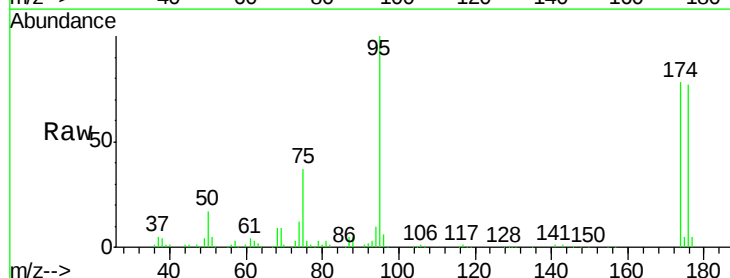
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

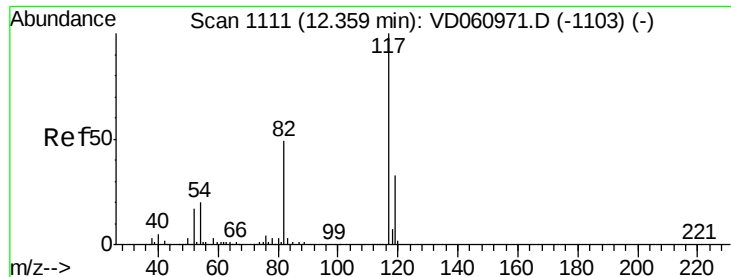
Tgt Ion: 107 Resp: 345557
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.013 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 95 Resp: 430356
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 155.6
 176 76.9 0.0 153.8

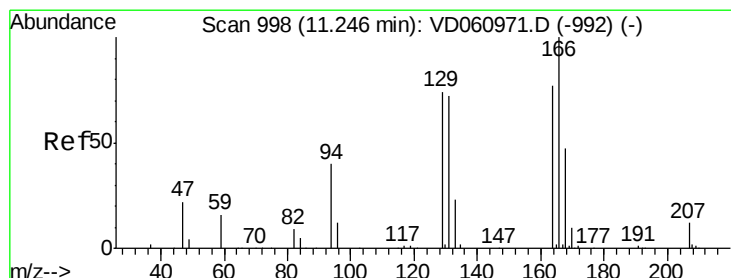
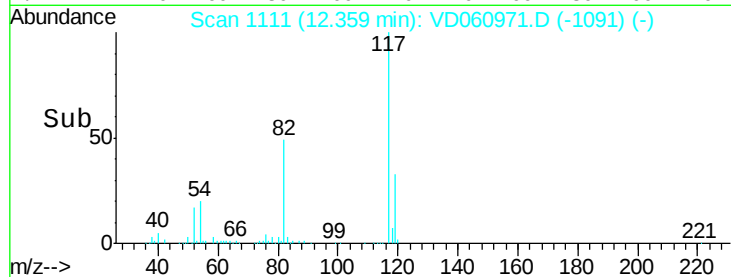
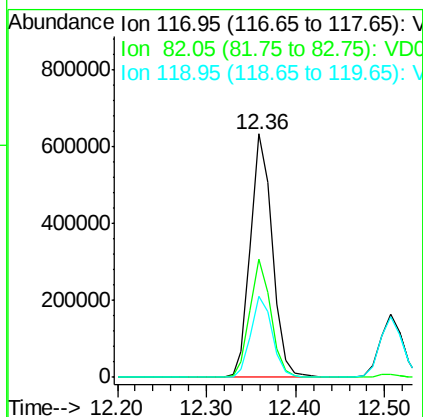
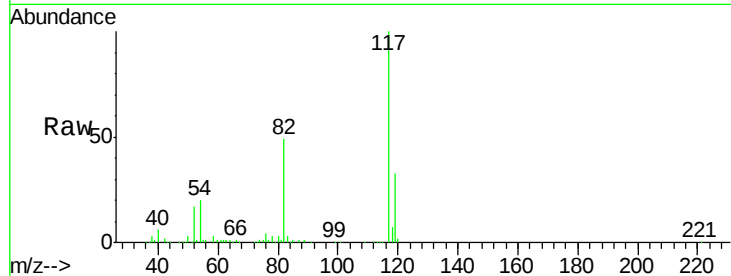




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

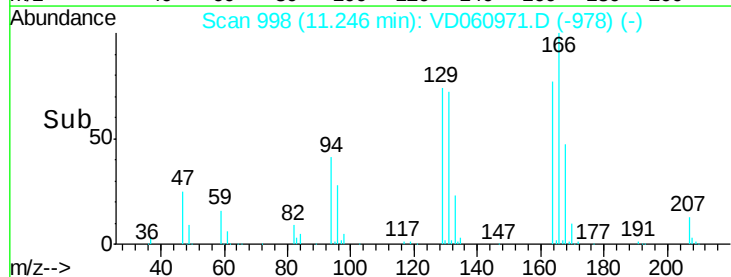
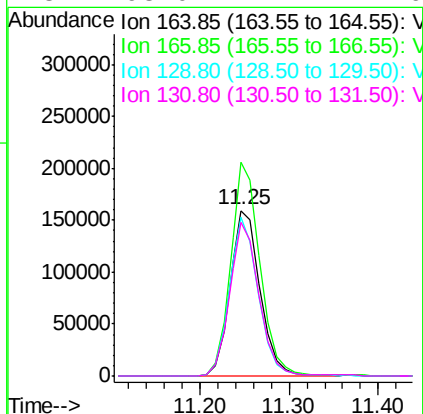
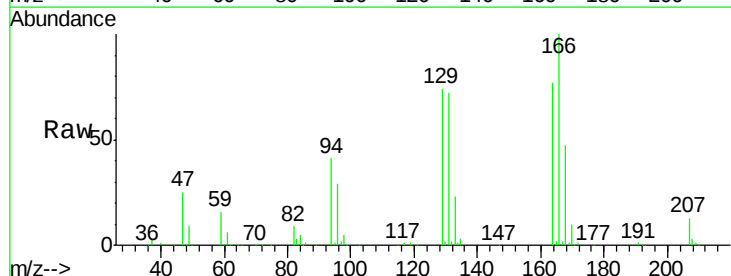
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

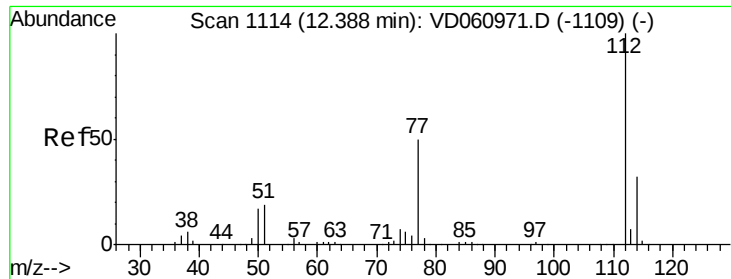
Tgt Ion:117 Resp: 1068331
Ion Ratio Lower Upper
117 100
82 48.6 38.9 58.3
119 33.2 26.6 39.8



#64
Tetrachloroethene
Concen: 46.301 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion:164 Resp: 373978
Ion Ratio Lower Upper
164 100
166 129.2 103.4 155.0
129 96.1 76.9 115.3
131 93.0 74.4 111.6

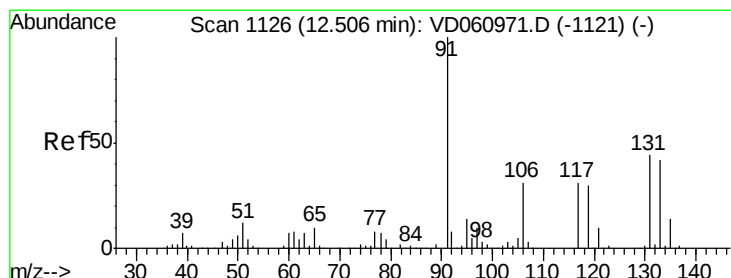
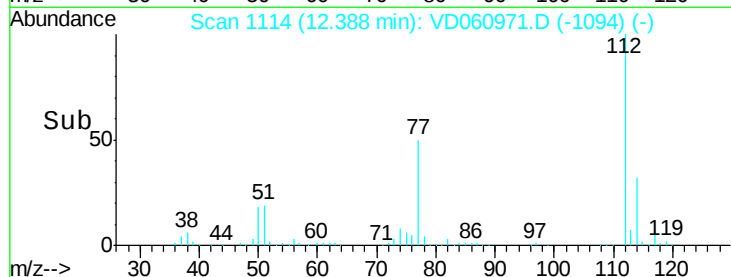
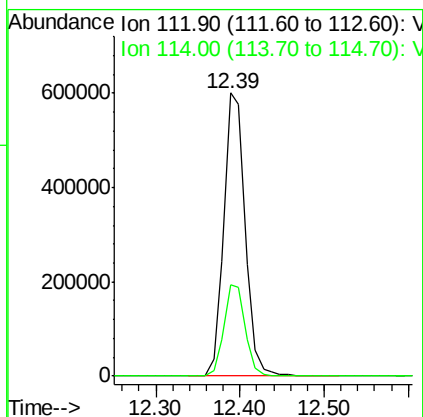
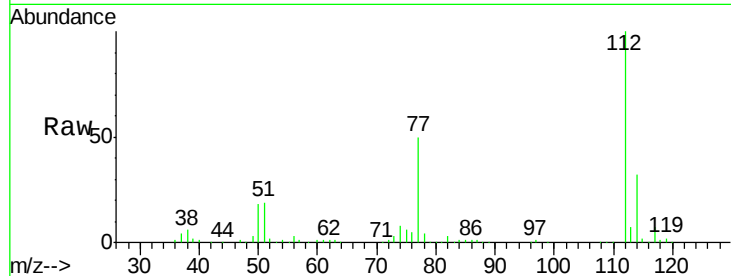




#65
Chlorobenzene
Concen: 45.201 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

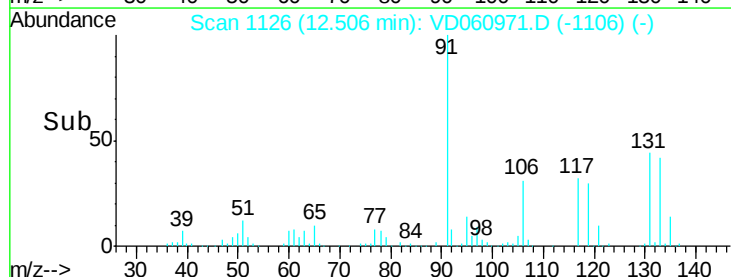
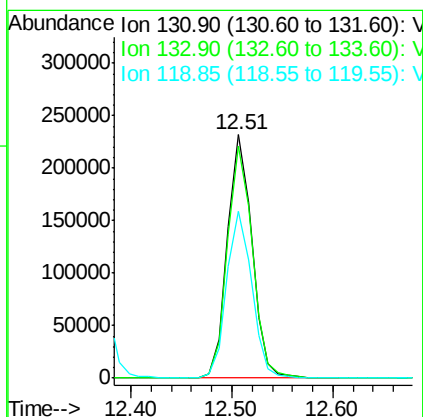
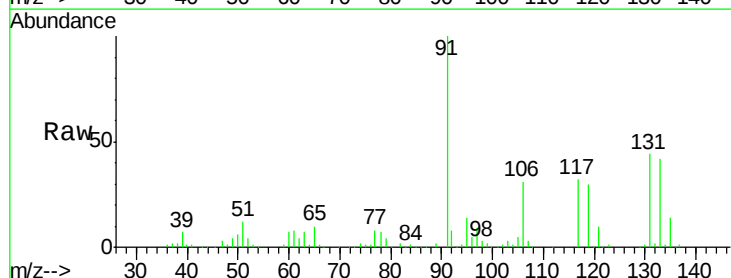
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

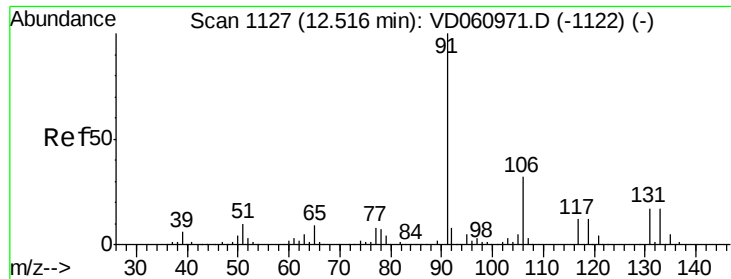
Tgt Ion:112 Resp: 1057558
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.409 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion:131 Resp: 392787
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 68.6 34.3 102.9

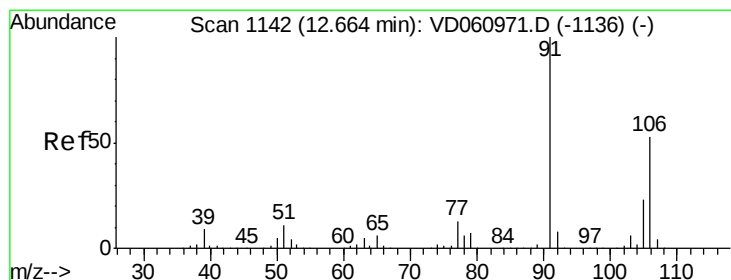
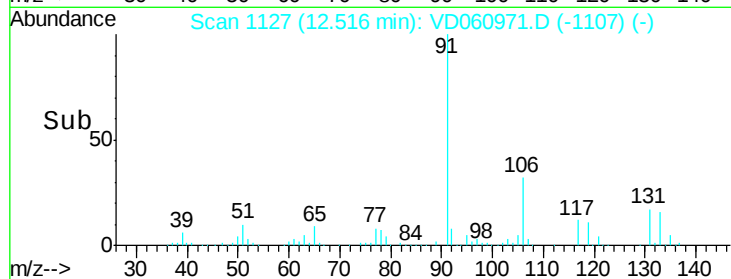
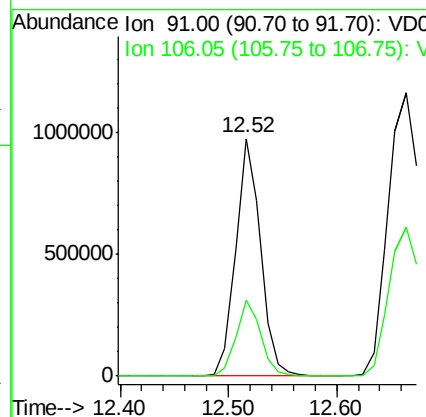
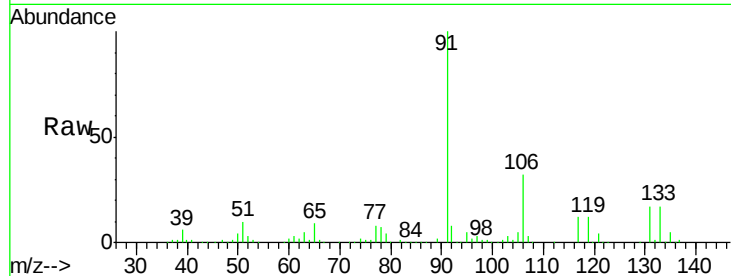




#67
Ethyl Benzene
Concen: 45.673 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

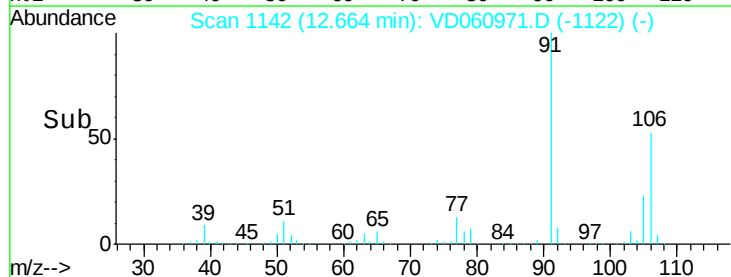
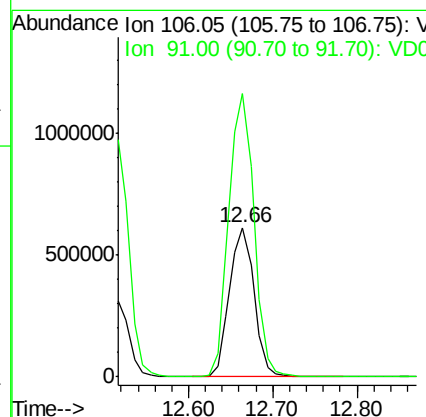
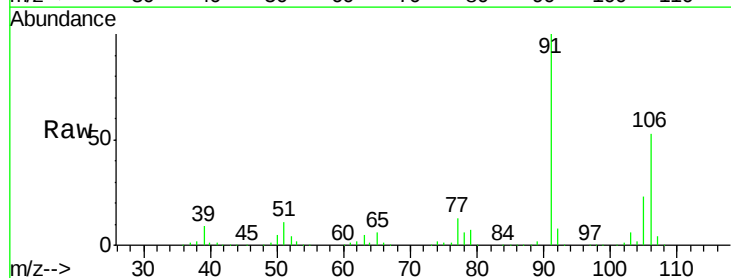
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

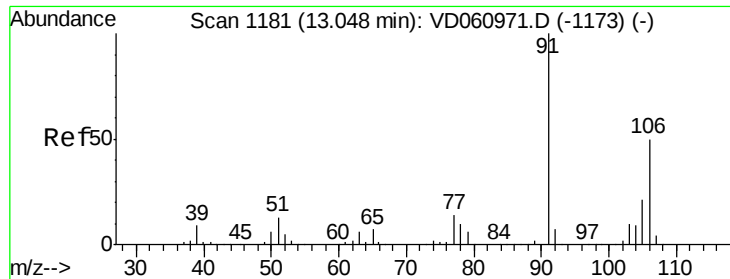
Tgt Ion: 91 Resp: 1563431
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5



#68
m/p-Xylenes
Concen: 91.108 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 106 Resp: 1250682
Ion Ratio Lower Upper
106 100
91 190.0 152.0 228.0

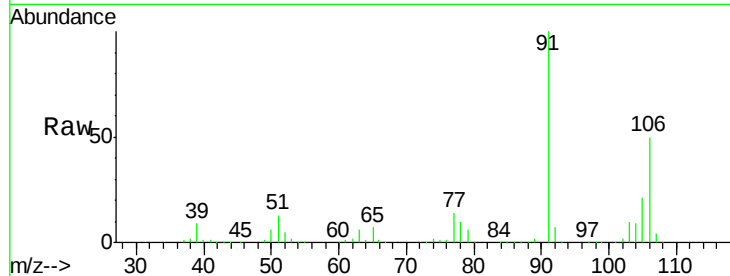




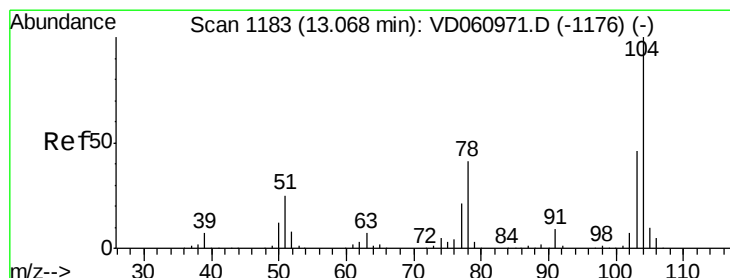
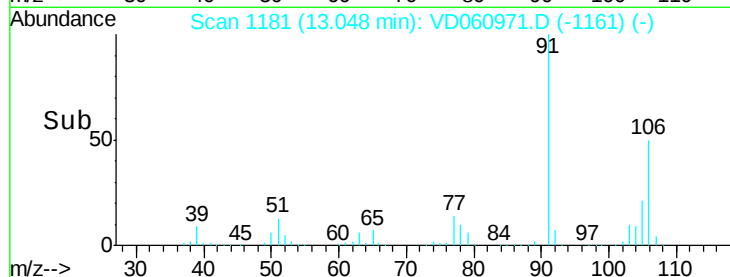
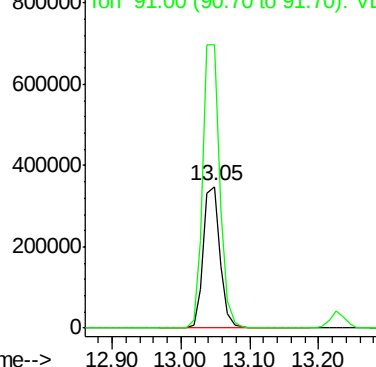
#69
o-Xylene
Concen: 46.035 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 587684
Ion Ratio Lower Upper
106 100
91 199.5 99.8 299.3

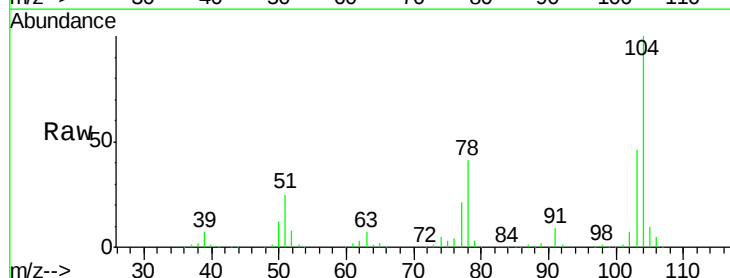


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

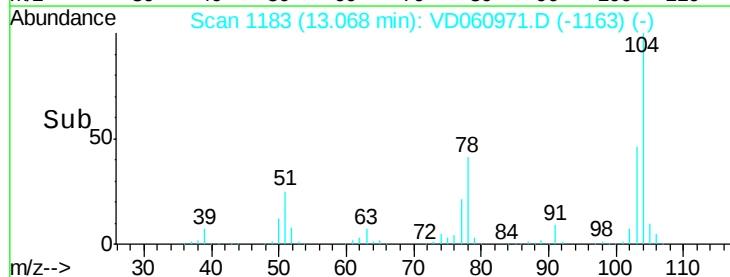
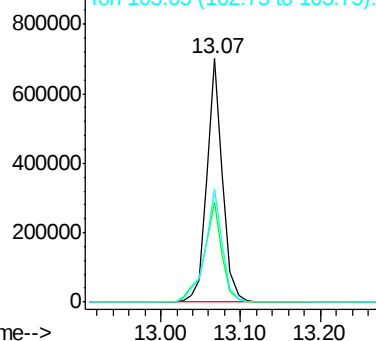


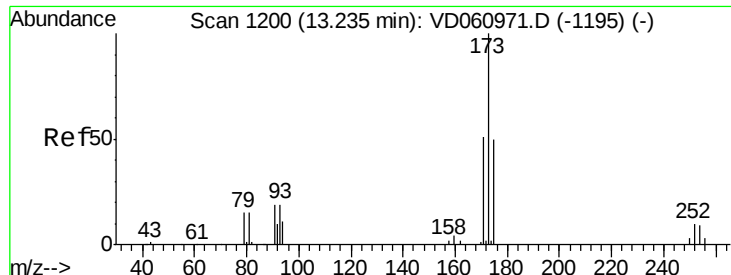
#70
Styrene
Concen: 45.240 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion:104 Resp: 963970
Ion Ratio Lower Upper
104 100
78 41.2 33.0 49.4
103 46.4 37.1 55.7



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





#71

Bromoform

Concen: 47.503 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

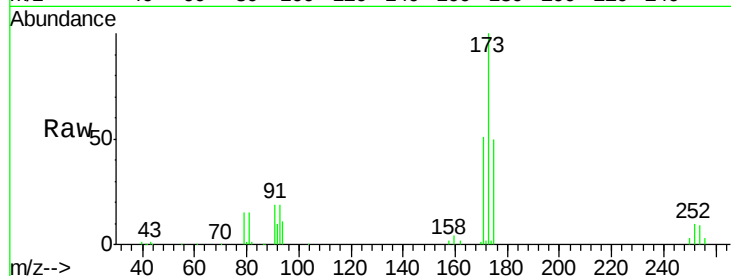
Tgt Ion:173 Resp: 253024

Ion Ratio Lower Upper

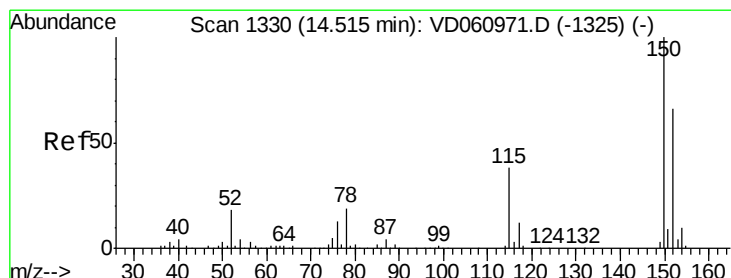
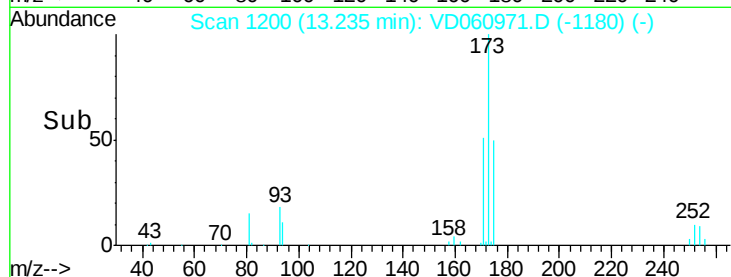
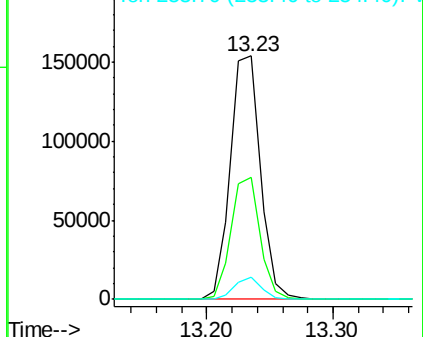
173 100

175 49.9 24.9 74.8

254 9.1 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

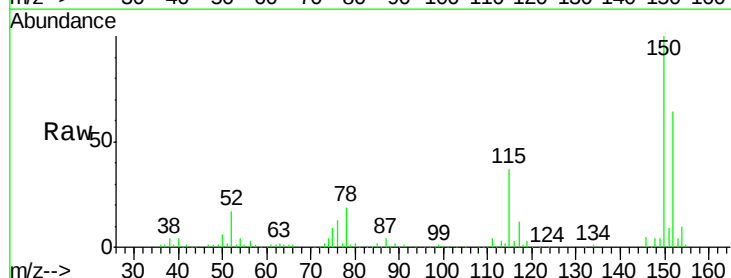
Tgt Ion:152 Resp: 443323

Ion Ratio Lower Upper

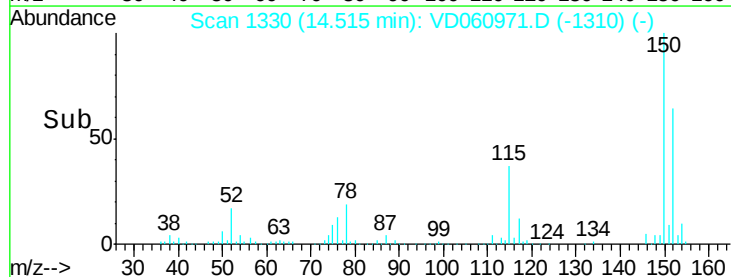
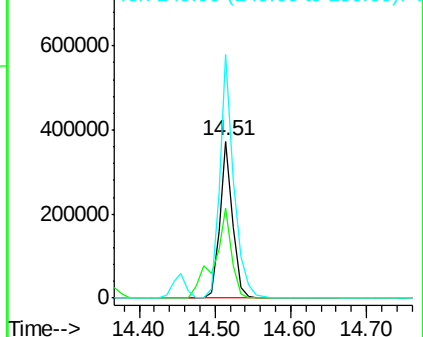
152 100

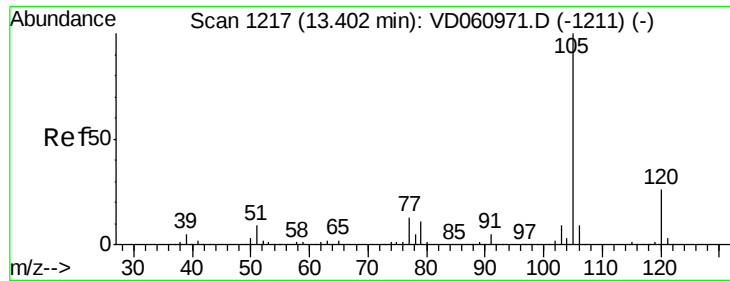
115 57.3 28.6 85.9

150 155.3 0.0 310.6



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





#73

Isopropylbenzene

Concen: 45.553 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

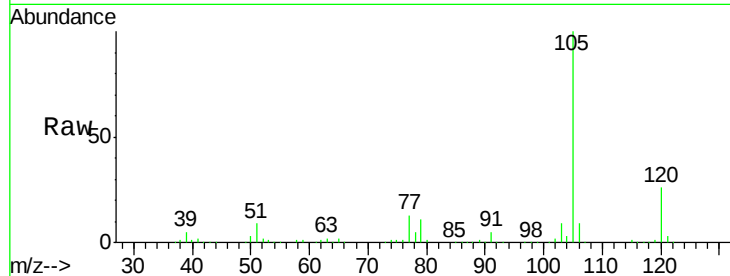
VSTDICCC050

Tgt Ion:105 Resp: 1543453

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

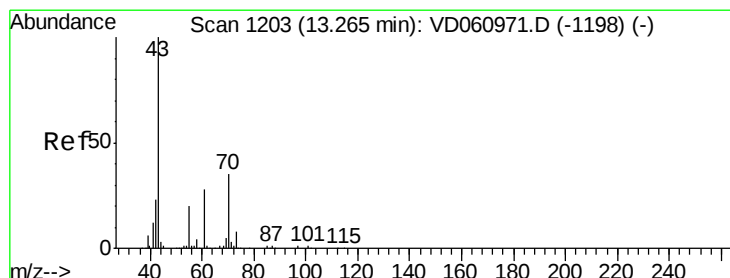
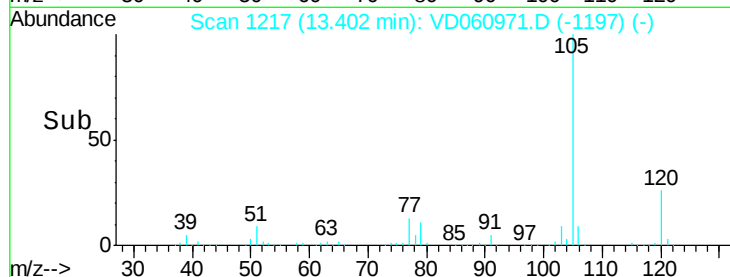
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 44.896 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion: 43 Resp: 459847

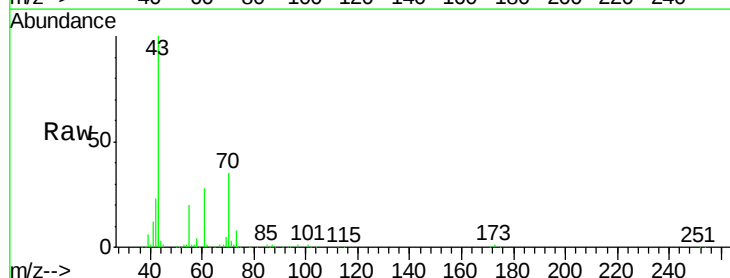
Ion Ratio Lower Upper

43 100

70 34.6 27.7 41.5

55 20.2 16.2 24.2

61 27.9 22.3 33.5



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

500000

400000

300000

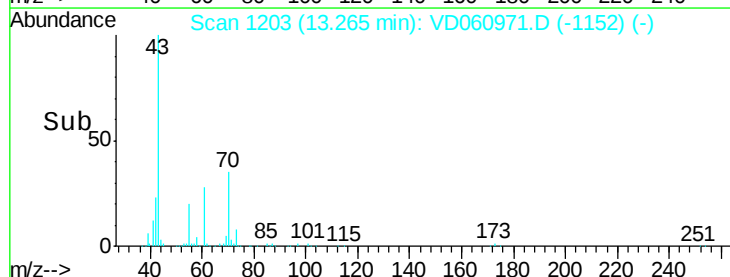
200000

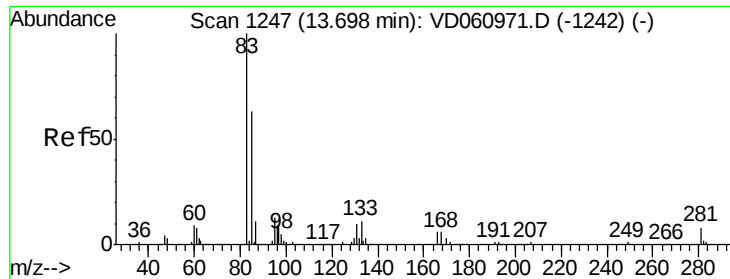
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.542 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

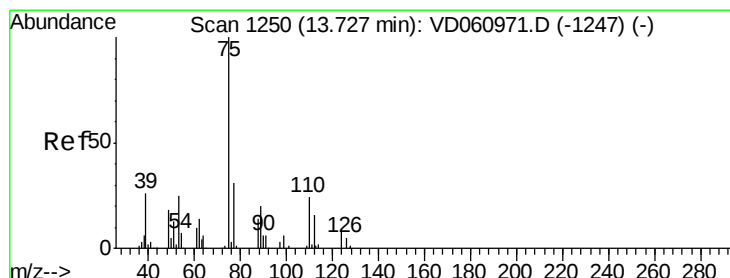
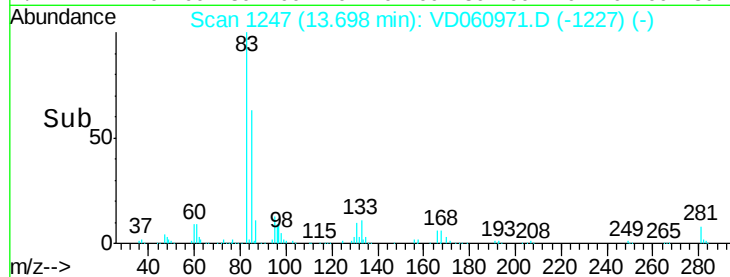
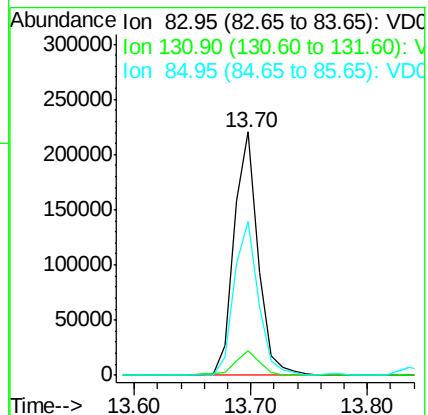
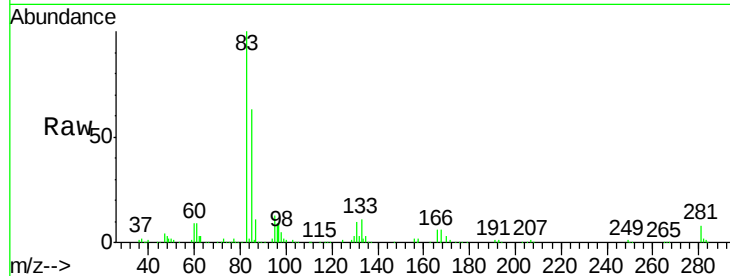
Tgt Ion: 83 Resp: 313184

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

85 63.0 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 45.835 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD060971.D

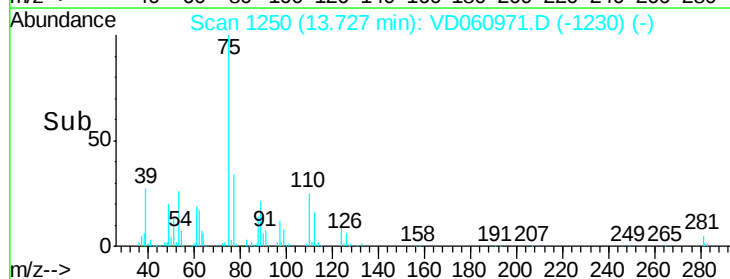
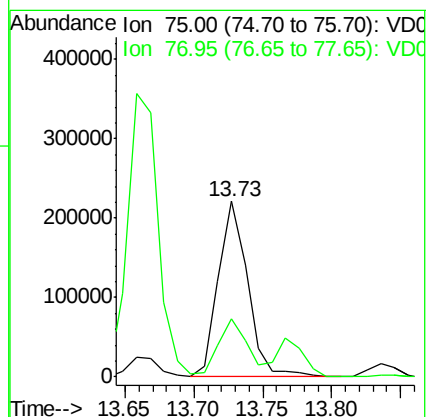
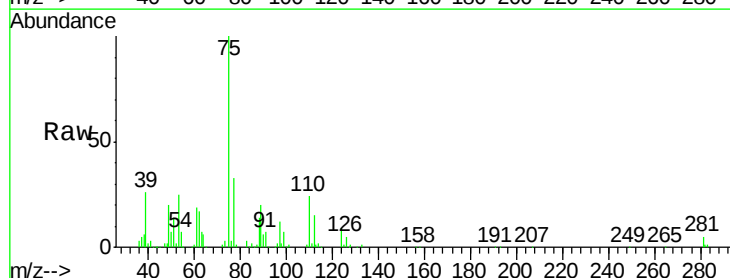
Acq: 7 Mar 2019 16:31

Tgt Ion: 75 Resp: 327544

Ion Ratio Lower Upper

75 100

77 33.1 16.6 49.7





#77

Bromobenzene

Concen: 47.033 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

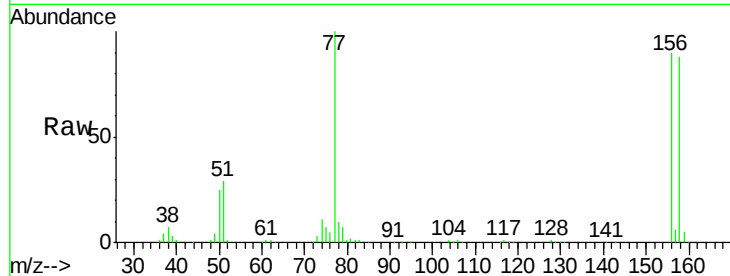
Tgt Ion:156 Resp: 418789

Ion Ratio Lower Upper

156 100

77 111.1 55.5 166.7

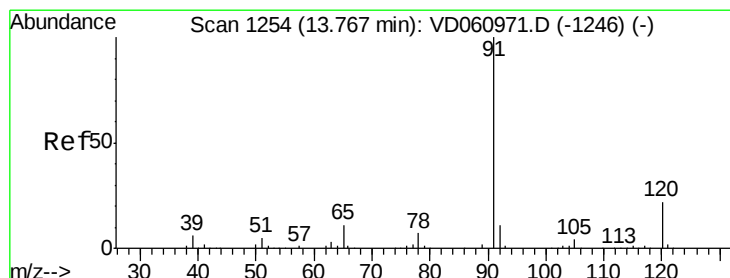
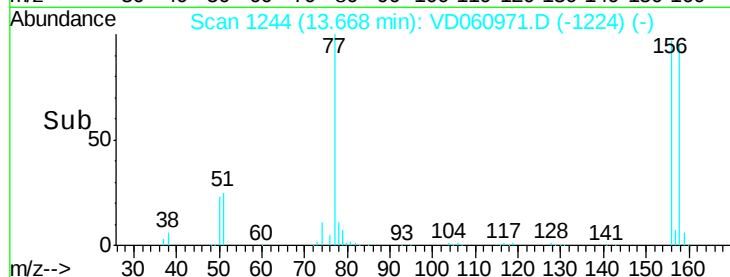
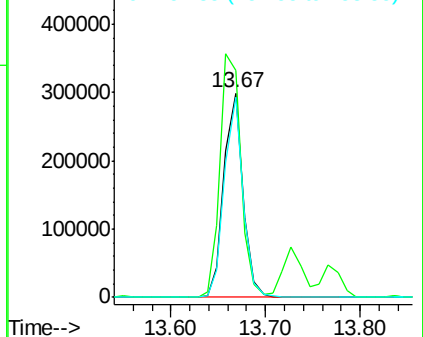
158 98.0 49.0 147.0



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: 48.590 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060971.D

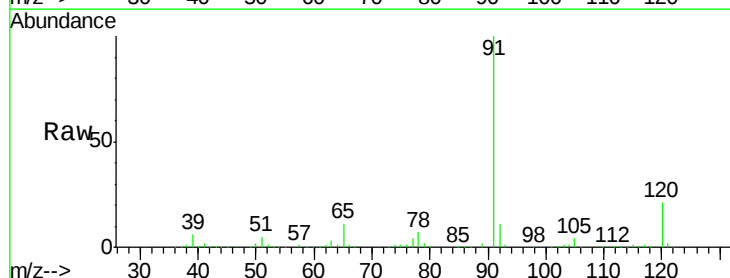
Acq: 7 Mar 2019 16:31

Tgt Ion: 91 Resp: 1921809

Ion Ratio Lower Upper

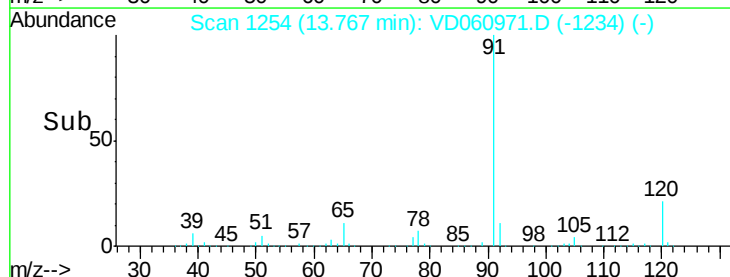
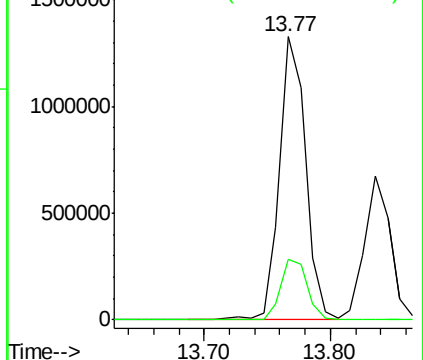
91 100

120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 43.080 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

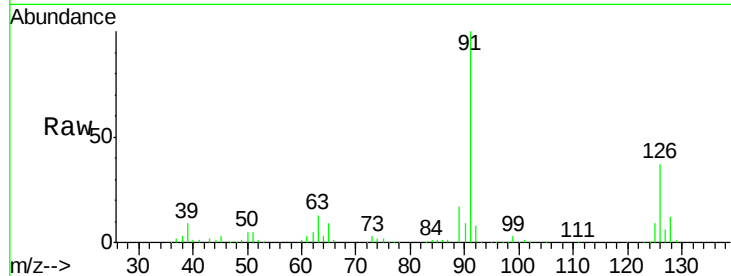
VSTDICCC050

Tgt Ion: 91 Resp: 953690

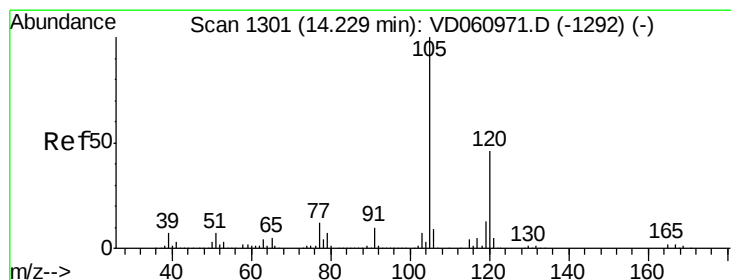
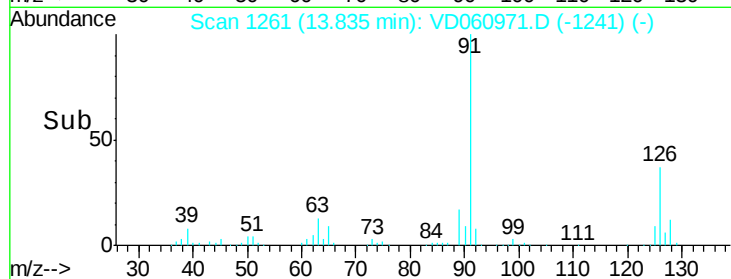
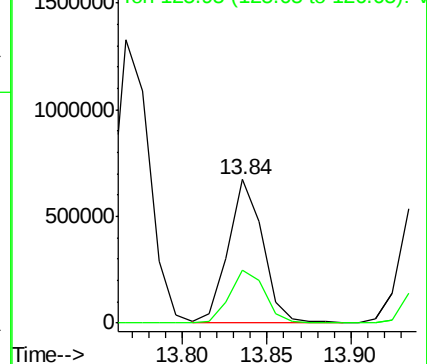
Ion Ratio Lower Upper

91 100

126 37.1 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.537 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD060971.D

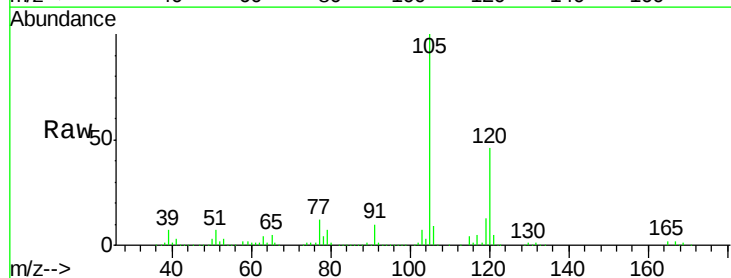
Acq: 7 Mar 2019 16:31

Tgt Ion: 105 Resp: 1296863

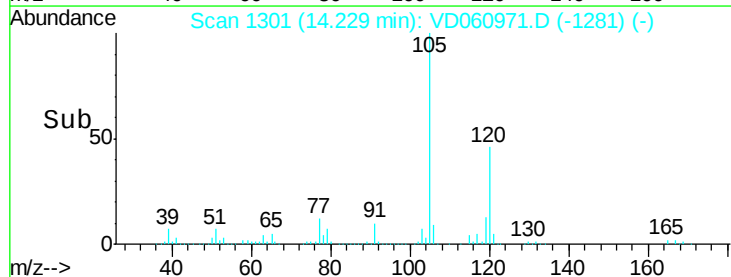
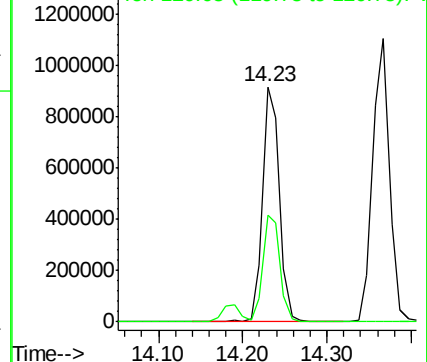
Ion Ratio Lower Upper

105 100

120 45.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

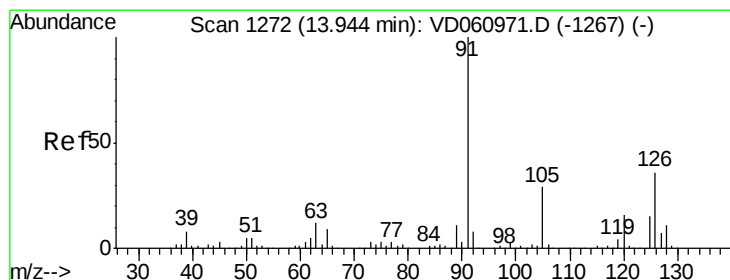
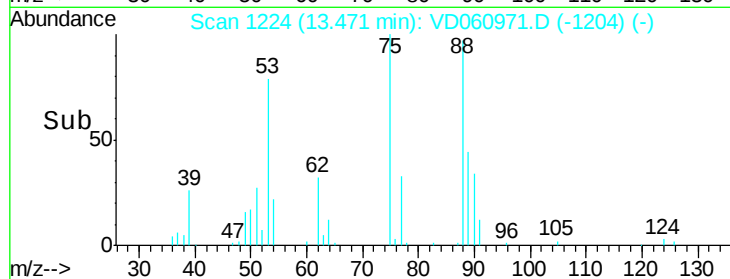
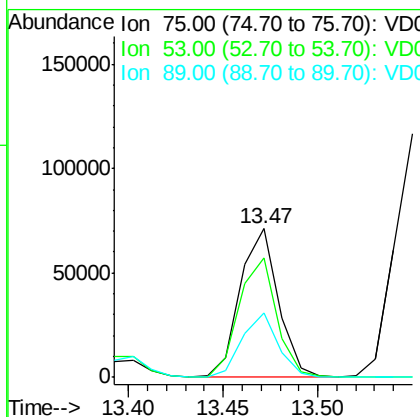
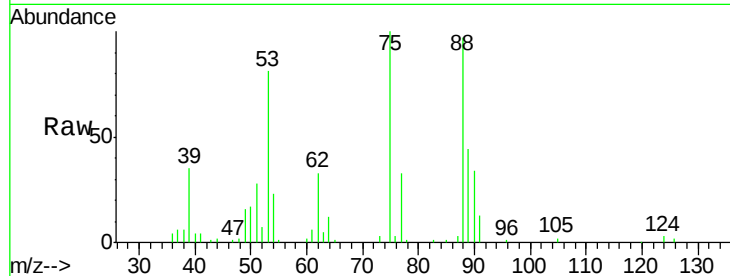




#81
trans-1,4-Dichloro-2-butene
Concen: 47.491 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

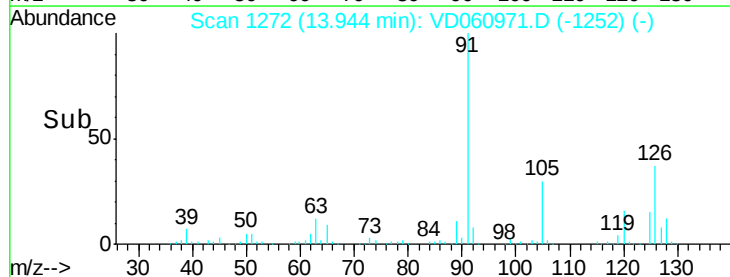
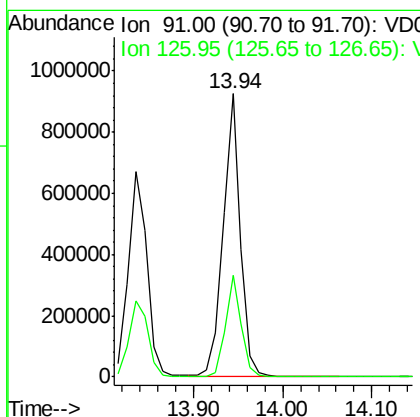
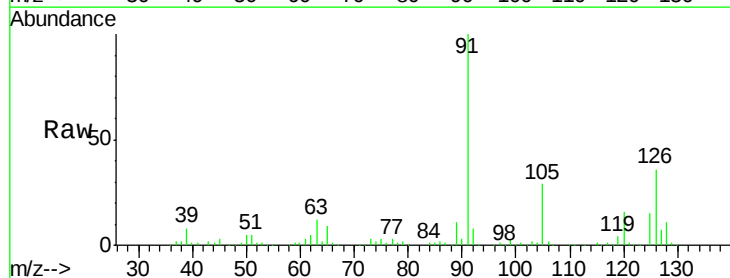
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 100044
Ion Ratio Lower Upper
75 100
53 80.5 64.4 96.6
89 43.5 34.8 52.2



#82
4-Chlorotoluene
Concen: 50.639 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 91 Resp: 1259003
Ion Ratio Lower Upper
91 100
126 36.0 18.0 54.0

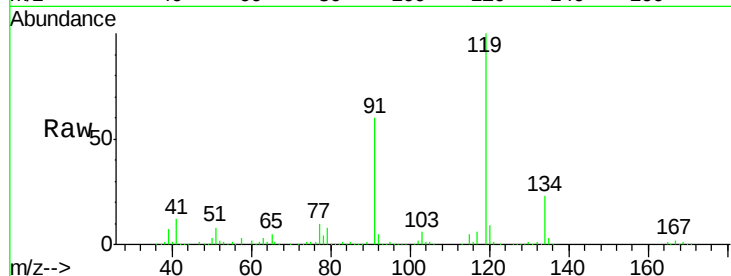




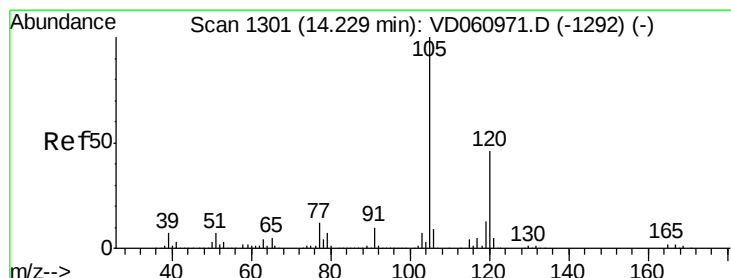
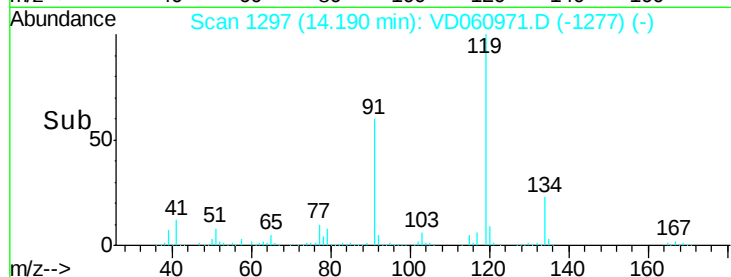
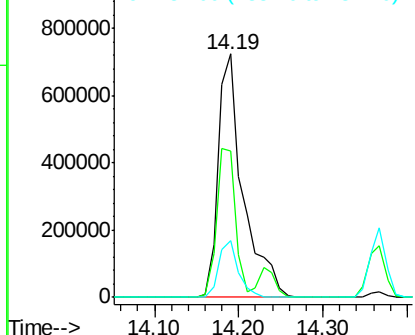
#83
 tert-Butylbenzene
 Concen: 50.828 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 1481310
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.1 90.3
 134 23.1 11.6 34.7

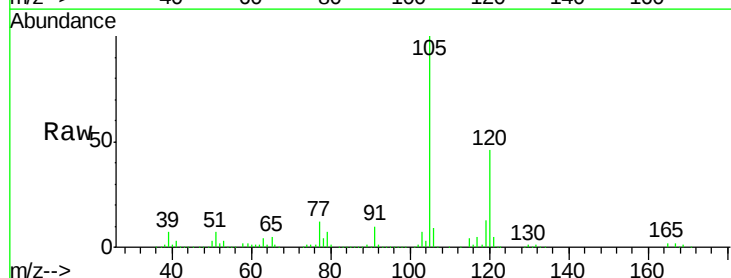


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

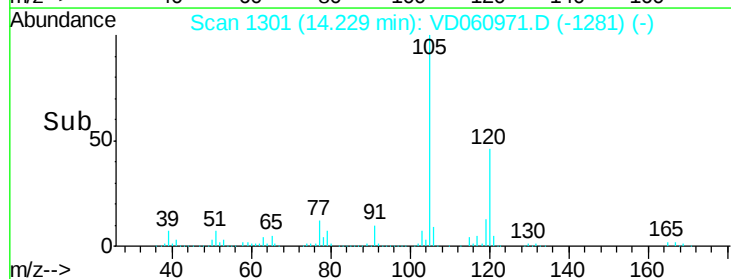
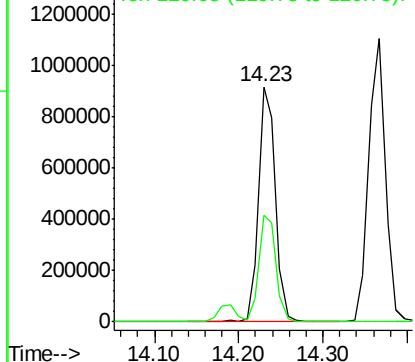


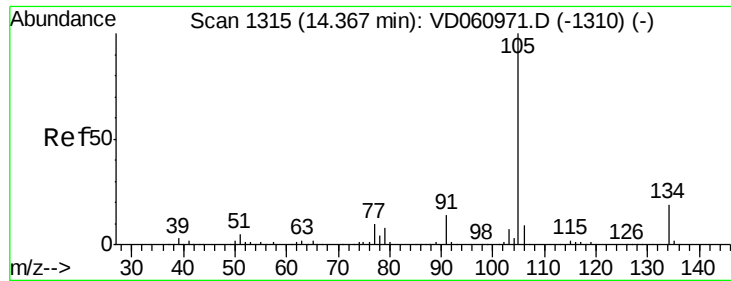
#84
 1,2,4-Trimethylbenzene
 Concen: 49.537 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion:105 Resp: 1296863
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.5



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

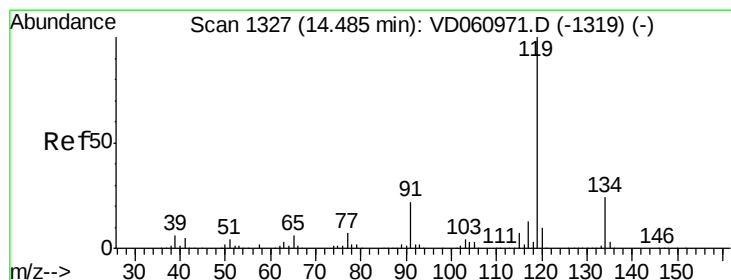
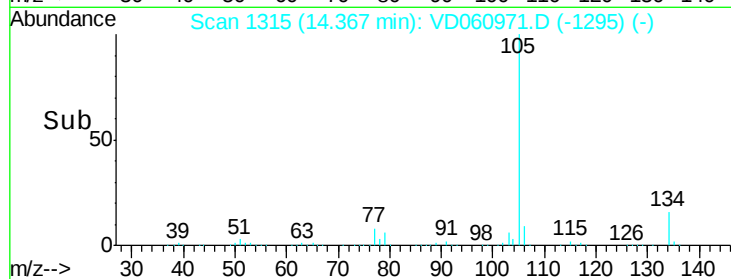
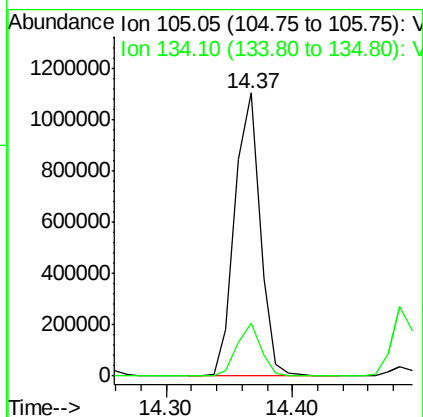
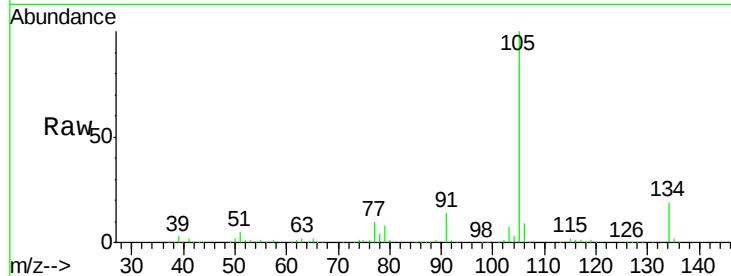




#85
 sec-Butylbenzene
 Concen: 44.719 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

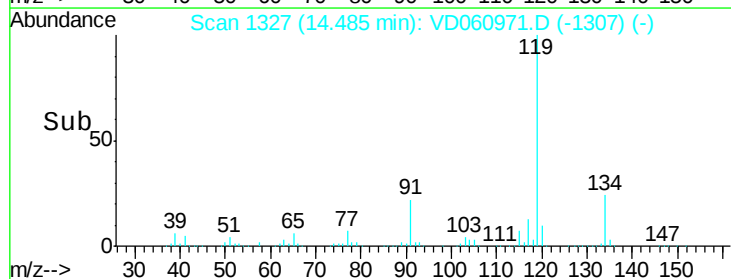
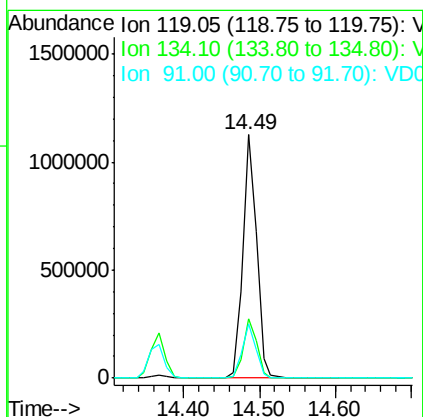
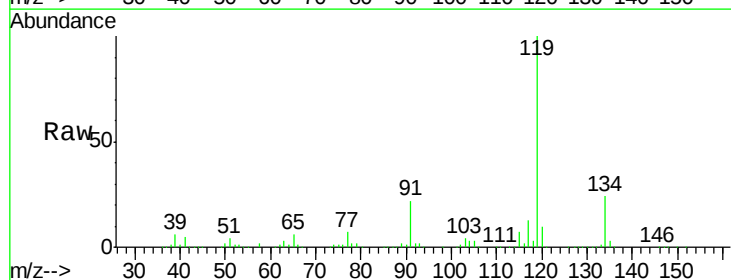
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 1520836
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 49.550 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion:119 Resp: 1388298
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.0 36.1
 91 22.4 11.2 33.6

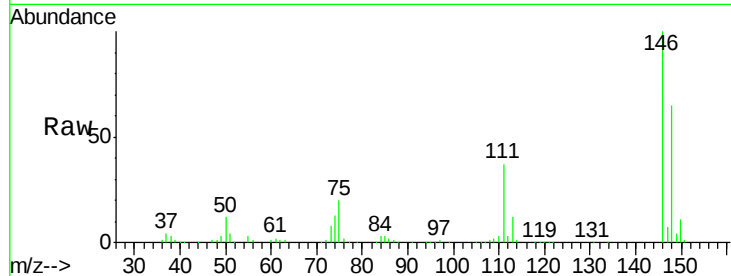




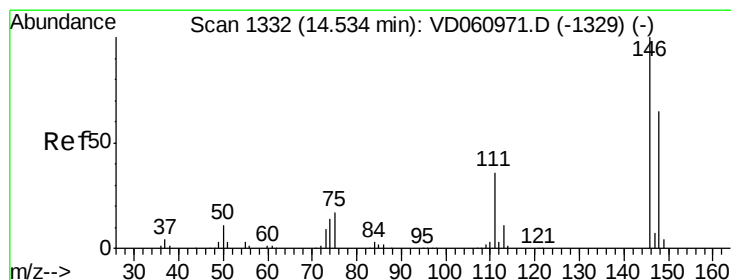
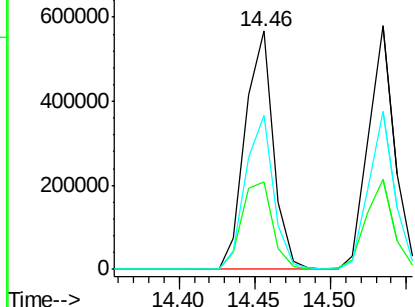
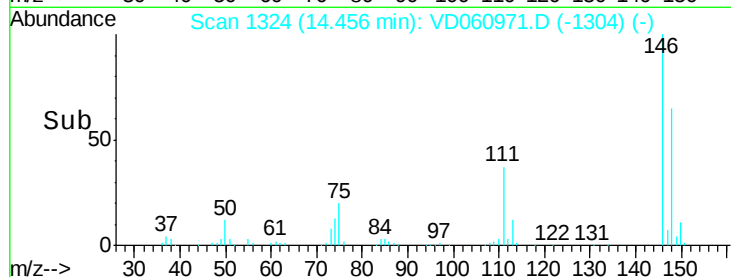
#87
 1,3-Dichlorobenzene
 Concen: 48.759 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 737940
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.4 55.4
 148 64.9 32.5 97.4

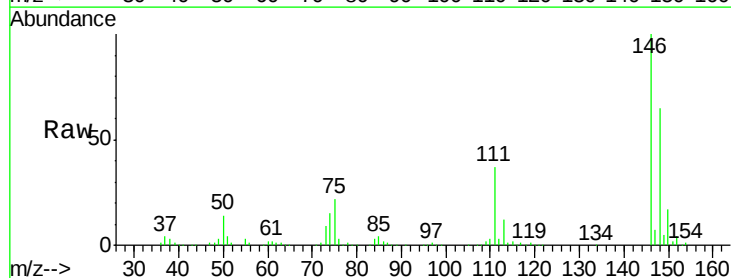


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

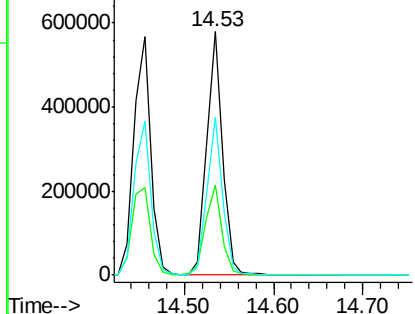
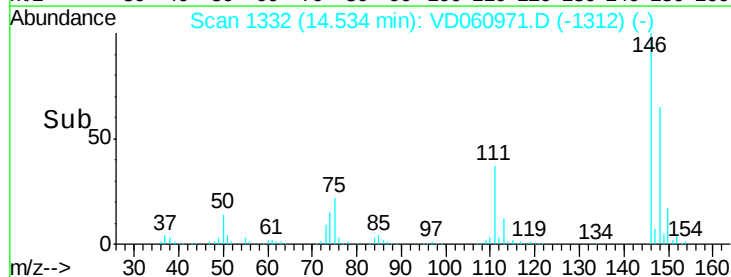


#88
 1,4-Dichlorobenzene
 Concen: 47.033 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion:146 Resp: 704396
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 65.0 32.5 97.5



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





#89

n-Butylbenzene

Concen: 49.368 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

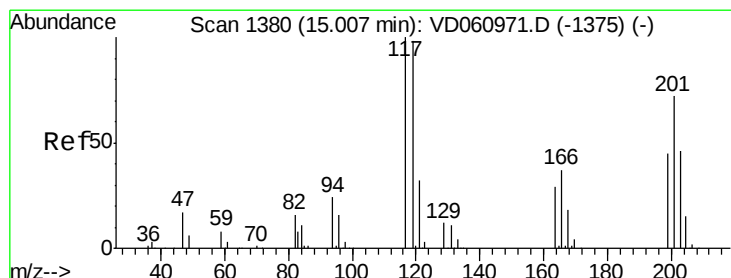
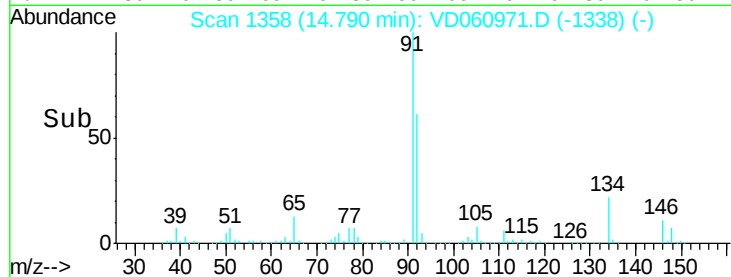
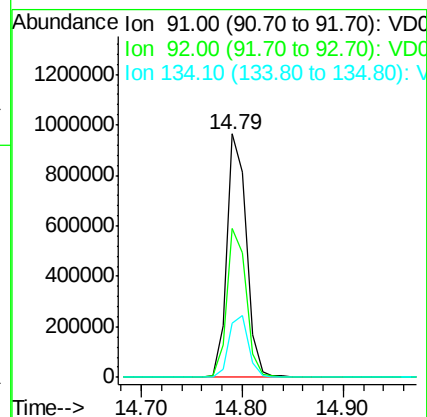
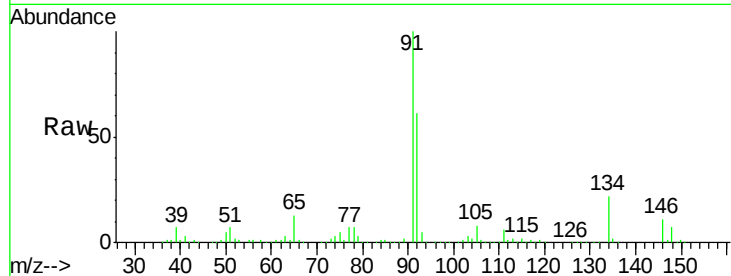
Tgt Ion: 91 Resp: 1294552

Ion Ratio Lower Upper

91 100

92 61.2 30.6 91.8

134 22.0 11.0 33.0



#90

Hexachloroethane

Concen: 48.624 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD060971.D

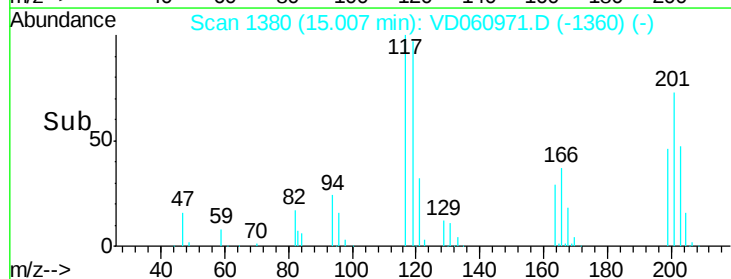
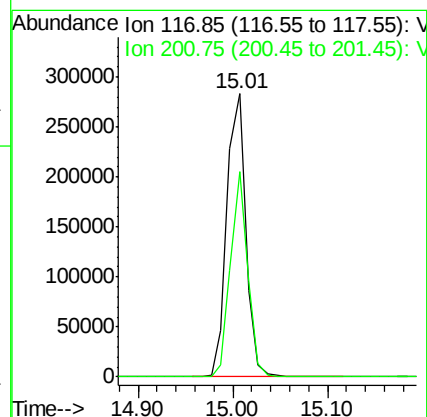
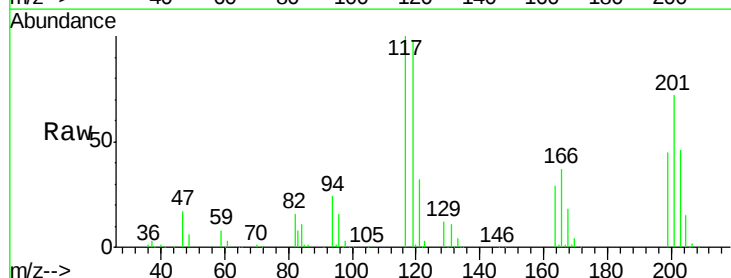
Acq: 7 Mar 2019 16:31

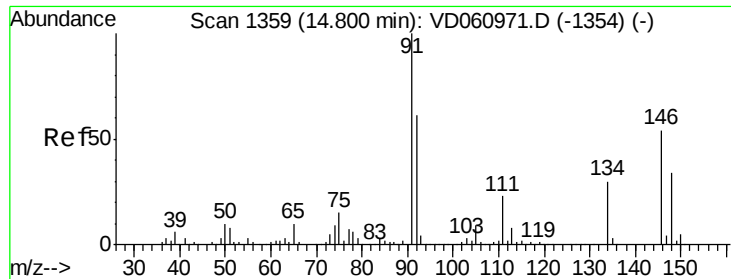
Tgt Ion: 117 Resp: 392790

Ion Ratio Lower Upper

117 100

201 72.4 36.2 108.6

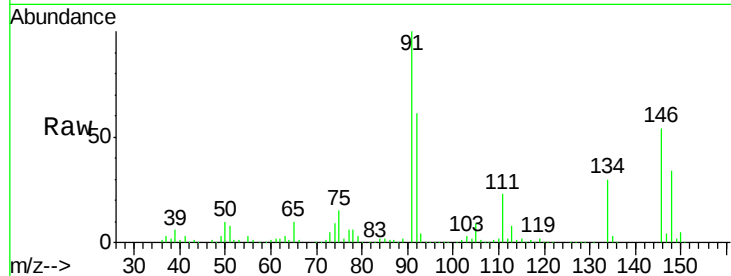




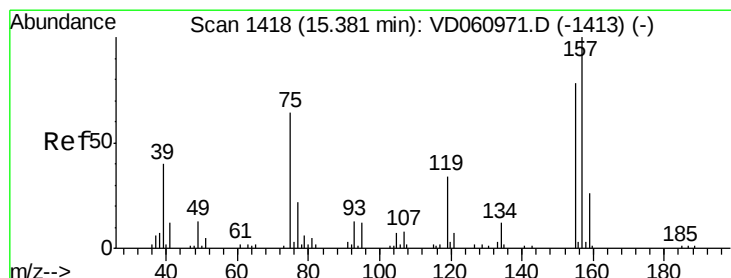
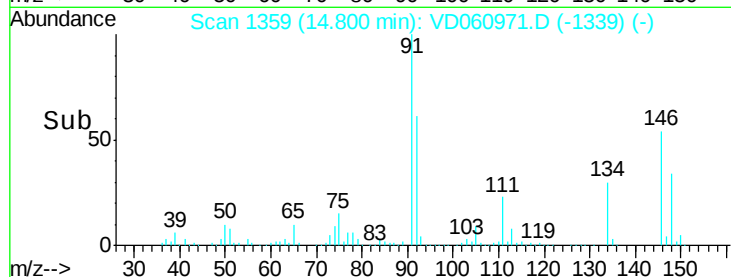
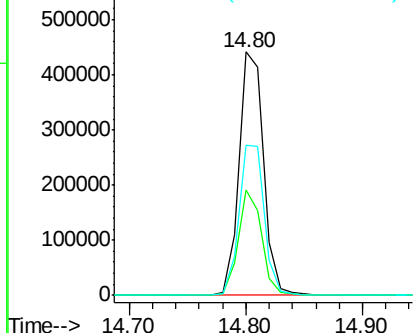
#91
 1,2-Dichlorobenzene
 Concen: 48.628 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 146 Resp: 641940
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.5 64.5
 148 61.9 30.9 92.8

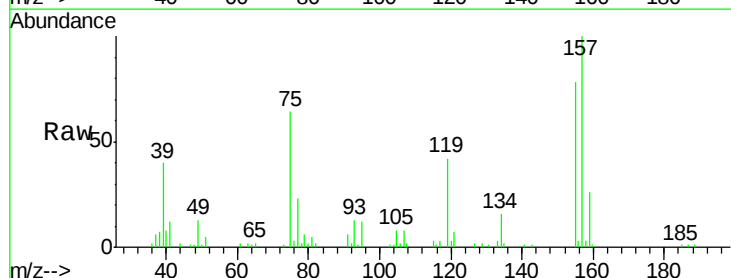


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

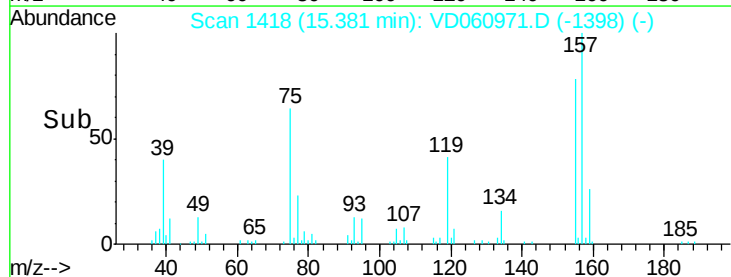
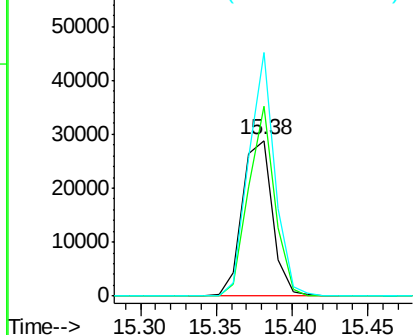


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.399 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 75 Resp: 39976
 Ion Ratio Lower Upper
 75 100
 155 122.3 61.2 183.5
 157 156.5 78.3 234.8



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

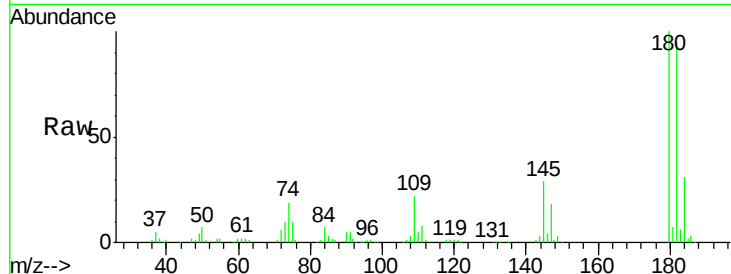




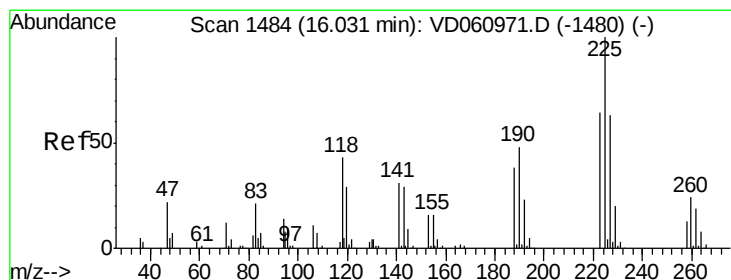
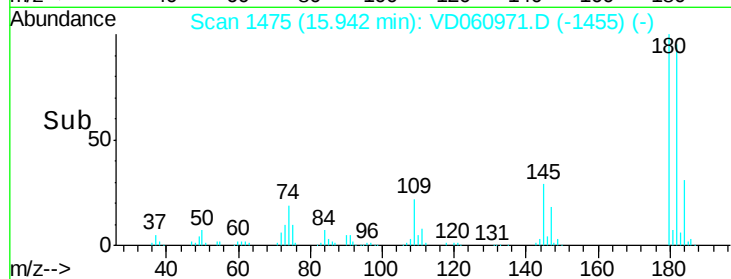
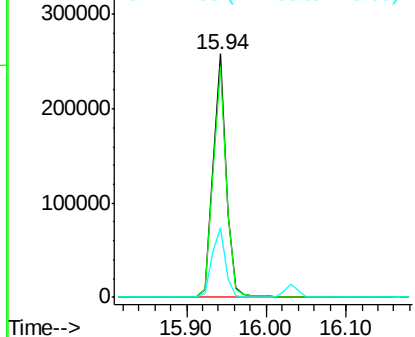
#93
 1,2,4-Trichlorobenzene
 Concen: 40.738 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 303309
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 142.0
 145 28.7 14.4 43.0

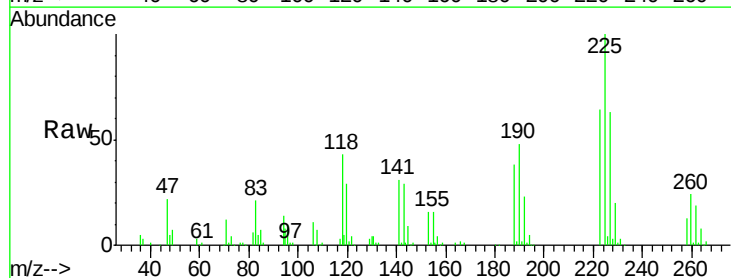


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

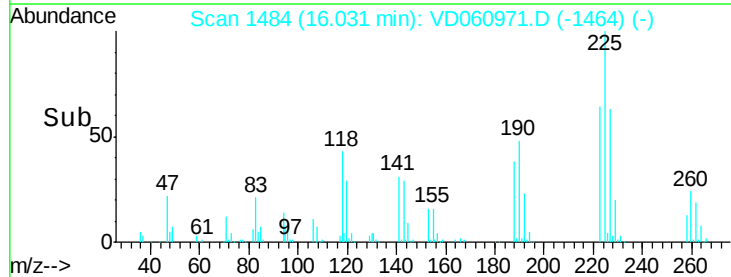
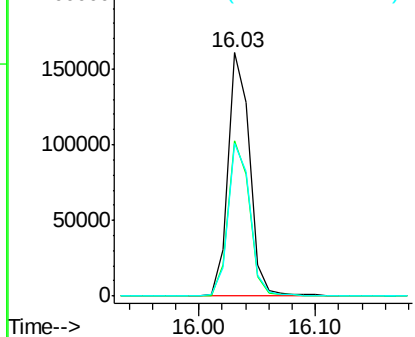


#94
 Hexachlorobutadiene
 Concen: 43.552 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion:225 Resp: 207277
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.3
 227 62.7 31.4 94.0



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

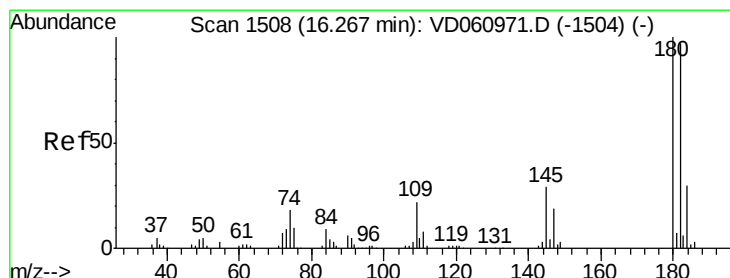
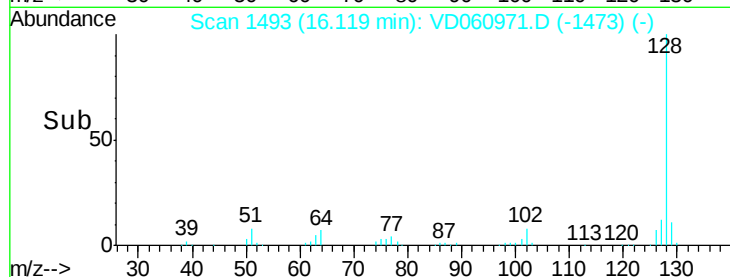
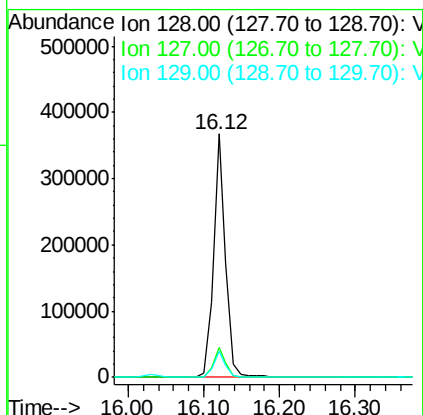
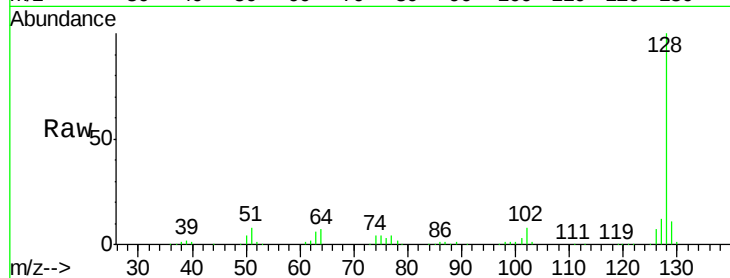




#95
Naphthalene
Concen: 35.774 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 411540
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 31.099 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion:180 Resp: 125602
Ion Ratio Lower Upper
180 100
182 97.2 48.6 145.8
145 28.6 14.3 42.9

