

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060821.D
 Acq On : 1 Feb 2019 16:07
 Operator : VA/AP
 Sample : K1297-02MS
 Misc : 3.72g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Quant Time: Feb 02 00:24:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	344927	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.95	114	462591	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	347149	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.31	152	135243	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	325720	61.60	ug/l	-0.04
Spiked Amount			Recovery	=	123.20%	
35) Dibromofluoromethane	6.65	113	249786	56.30	ug/l	-0.03
Spiked Amount			Recovery	=	112.60%	
50) Toluene-d8	10.16	98	523906	50.57	ug/l	-0.03
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.34	95	196420	37.72	ug/l	-0.02
Spiked Amount			Recovery	=	75.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	279459	66.637	ug/l	93
3) Chloromethane	1.74	50	145239	57.844	ug/l	100
4) Vinyl Chloride	1.83	62	163178	61.225	ug/l	95
5) Bromomethane	2.12	94	58690	69.710	ug/l	92
6) Chloroethane	2.23	64	80693	103.104	ug/l	92
7) Trichlorofluoromethane	2.47	101	386574	73.684	ug/l	96
8) Diethyl Ether	2.78	74	57976	74.994	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.04	101	159551	60.008	ug/l	94
10) Methyl Iodide	3.19	142	178266	64.039	ug/l	91
11) Tert butyl alcohol	3.89	59	88488	350.158	ug/l	98
12) 1,1-Dichloroethene	3.02	96	116367	64.046	ug/l	92
13) Acrolein	2.94	56	17074	192.263	ug/l #	80
14) Allyl chloride	3.48	41	275533	65.164	ug/l	97
15) Acrylonitrile	4.01	53	166001	293.170	ug/l	97
16) Acetone	3.10	43	298108	390.313	ug/l	95
17) Carbon Disulfide	3.26	76	342622	53.235	ug/l	98
18) Methyl Acetate	3.50	43	306921	202.710	ug/l	95
19) Methyl tert-butyl Ether	4.06	73	557062	67.156	ug/l	96
20) Methylene Chloride	3.65	84	195480	59.050	ug/l	98
21) trans-1,2-Dichloroethene	4.03	96	155155	48.441	ug/l	95
22) Diisopropyl ether	4.85	45	668759	61.378	ug/l #	80
23) Vinyl Acetate	4.80	43	426416	67.959	ug/l	98
24) 1,1-Dichloroethane	4.74	63	421847	59.141	ug/l	98
25) 2-Butanone	5.80	43	333369	341.013	ug/l	92
26) 2,2-Dichloropropane	5.75	77	448918	59.731	ug/l	98
27) cis-1,2-Dichloroethene	5.77	96	174553	47.849	ug/l	89
28) Bromochloromethane	6.16	49	152917	54.956	ug/l	99
29) Tetrahydrofuran	6.19	42	141977	302.428	ug/l	99
30) Chloroform	6.39	83	491222	58.266	ug/l	97
31) Cyclohexane	6.69	56	182384	37.581	ug/l	97
32) 1,1,1-Trichloroethane	6.60	97	469217	57.795	ug/l	95
36) 1,1-Dichloropropene	6.87	75	280581	50.800	ug/l	97
37) Ethyl Acetate	5.91	43	103107	41.819	ug/l #	94
38) Carbon Tetrachloride	6.84	117	391585	56.539	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.60	83	129470	27.991	ug/l	95
40) Benzene	7.19	78	568216	52.125	ug/l	97
41) Methacrylonitrile	6.18	41	199763	127.578	ug/l #	86
42) 1,2-Dichloroethane	7.31	62	423093	66.810	ug/l	97
43) Isopropyl Acetate	8.98	43	118100	36.726	ug/l	90
44) Trichloroethene	8.27	130	194499	52.632	ug/l	96
45) 1,2-Dichloropropane	8.67	63	147501	49.985	ug/l	99
46) Dibromomethane	8.80	93	148294	64.735	ug/l	91
47) Bromodichloromethane	9.12	83	381771	61.743	ug/l	97
48) Methyl methacrylate	8.86	41	177069	79.850	ug/l	94
49) 1,4-Dioxane	8.83	88	22620	1171.063	ug/l	93
51) 4-Methyl-2-Pentanone	10.05	43	743794	357.170	ug/l	100
52) Toluene	10.26	92	328387	47.491	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	302978	55.706	ug/l	98
54) cis-1,3-Dichloropropene	9.79	75	311965	55.934	ug/l	90
55) 1,1,2-Trichloroethane	10.95	97	142098	60.274	ug/l	99
56) Ethyl methacrylate	10.80	69	128613	45.034	ug/l	94
57) 1,3-Dichloropropane	11.17	76	229493	56.958	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.60	63	461311	307.852	ug/l	94
59) 2-Hexanone	11.29	43	518380	331.063	ug/l	90
60) Dibromochloromethane	11.45	129	249652	58.903	ug/l	94
61) 1,2-Dibromoethane	11.57	107	171709	61.844	ug/l	96
64) Tetrachloroethene	11.02	164	132925	41.722	ug/l	98
65) Chlorobenzene	12.17	112	377946	47.641	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.29	131	206889	60.701	ug/l	98
67) Ethyl Benzene	12.30	91	692600	48.551	ug/l	97
68) m/p-Xylenes	12.44	106	406009	87.481	ug/l	90
69) o-Xylene	12.83	106	213606	46.502	ug/l	89
70) Styrene	12.85	104	324562	42.135	ug/l	91
71) Bromoform	13.02	173	153732	59.866	ug/l	97
73) Isopropylbenzene	13.18	105	575035	53.328	ug/l	96
74) N-amyl acetate	13.05	43	129658	39.113	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.49	83	156106	79.509	ug/l	98
76) 1,2,3-Trichloropropane	13.52	75	195992	79.028	ug/l	99
77) Bromobenzene	13.46	156	158798	57.289	ug/l	90
78) n-propylbenzene	13.56	91	661324	48.855	ug/l	96
79) 2-Chlorotoluene	13.63	91	411717	49.866	ug/l	95
80) 1,3,5-Trimethylbenzene	14.03	105	504841	54.384	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.26	75	51188	79.169	ug/l	97
82) 4-Chlorotoluene	13.73	91	469336	51.147	ug/l	93
83) tert-Butylbenzene	13.98	119	491346	50.591	ug/l	93
84) 1,2,4-Trimethylbenzene	14.03	105	504841	54.384	ug/l	98
85) sec-Butylbenzene	14.16	105	422767	38.240	ug/l	98
86) p-Isopropyltoluene	14.29	119	471903	52.575	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	205794	41.509	ug/l	95
88) 1,4-Dichlorobenzene	14.33	146	218866	45.435	ug/l	96
89) n-Butylbenzene	14.59	91	302782	32.332	ug/l	98
90) Hexachloroethane	14.80	117	105026	39.321	ug/l	81
91) 1,2-Dichlorobenzene	14.60	146	194504	47.265	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.17	75	35079	75.204	ug/l	75

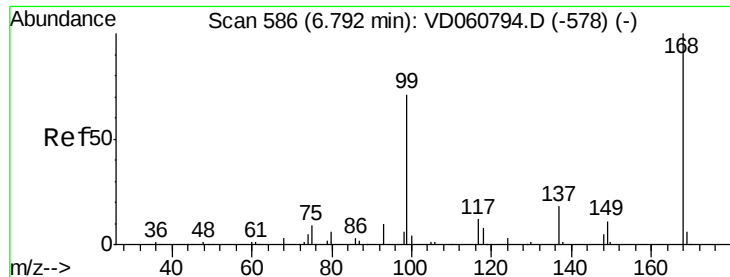
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020119\
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93) 1,2,4-Trichlorobenzene	15.74	180	92908	26.074	ug/l	98
94) Hexachlorobutadiene	15.83	225	48253	18.048	ug/l	96
95) Naphthalene	15.92	128	206846	37.782	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	75187	24.266	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

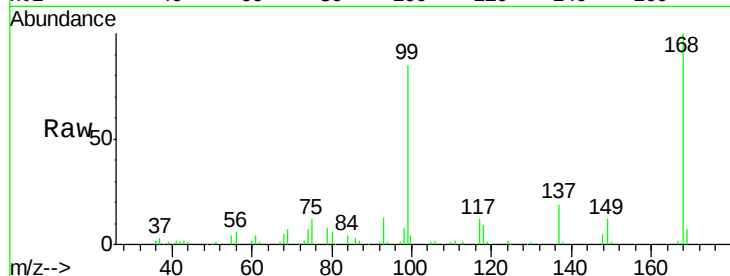
A0C17-SSIMS

Tot Ion:168 Resp: 344927

Ion Ratio Lower Upper

168 100

99 84.9 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.76

120000

100000

80000

60000

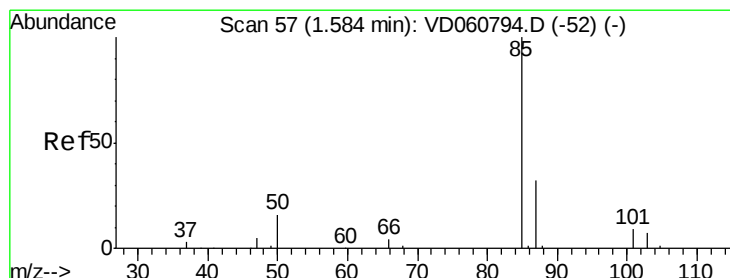
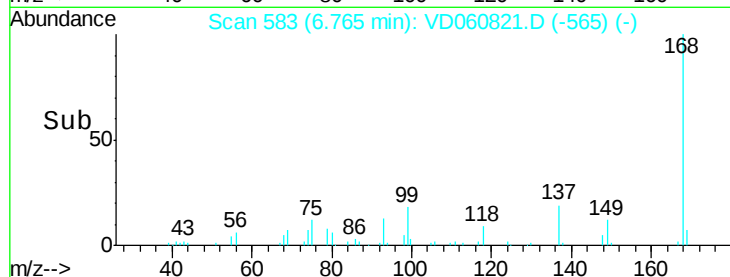
40000

20000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 66.637 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.01 min

Lab File: VD060821.D

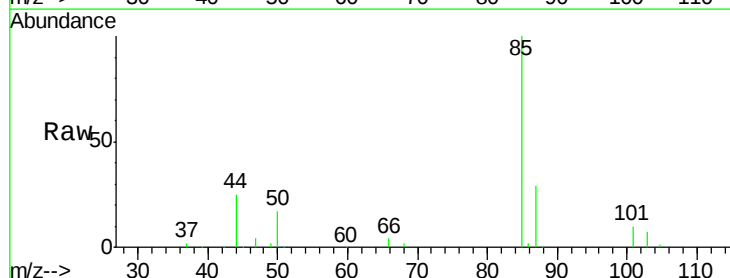
Acq: 1 Feb 2019 16:07

Tgt Ion: 85 Resp: 279459

Ion Ratio Lower Upper

85 100

87 28.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

100000

80000

60000

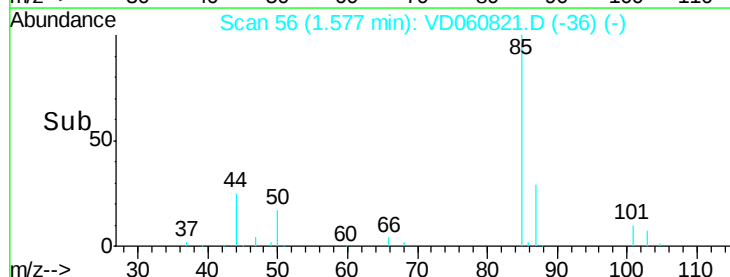
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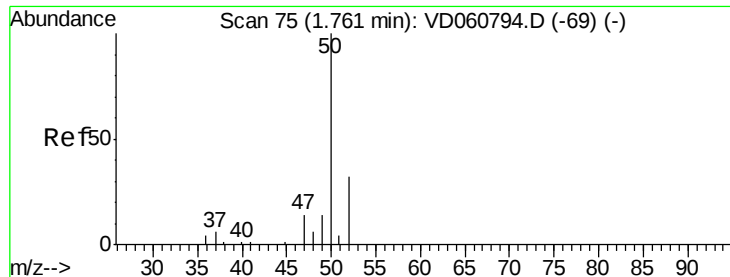
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 57.844 ug/l

RT: 1.74 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

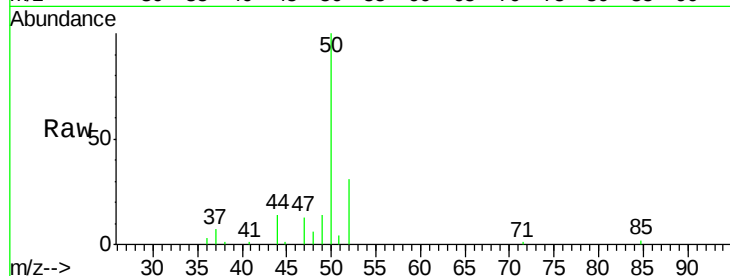
A0C17-SSIMS

Tot Ion: 50 Resp: 145239

Ion Ratio Lower Upper

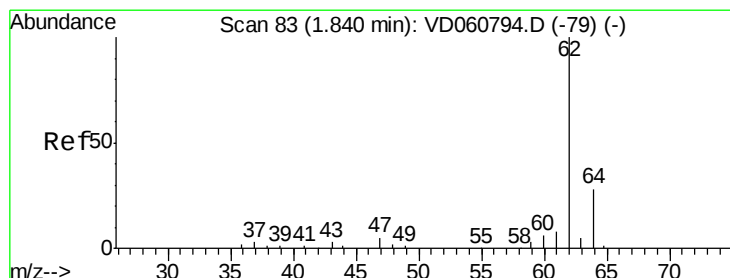
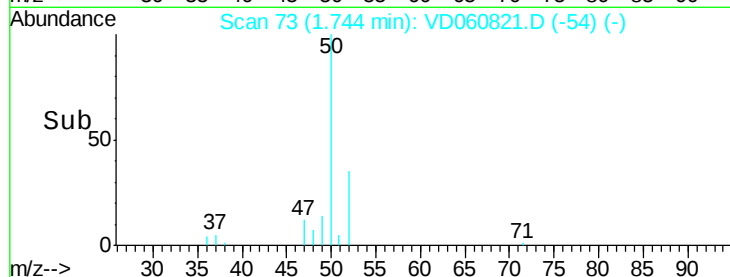
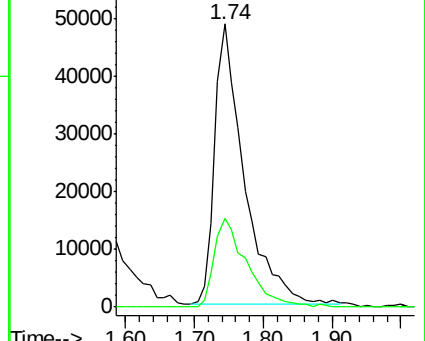
50 100

52 31.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 61.225 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD060821.D

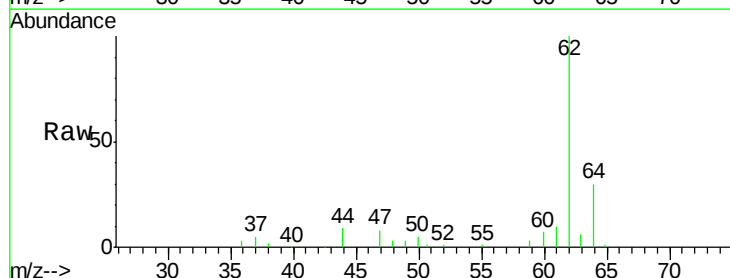
Acq: 1 Feb 2019 16:07

Tgt Ion: 62 Resp: 163178

Ion Ratio Lower Upper

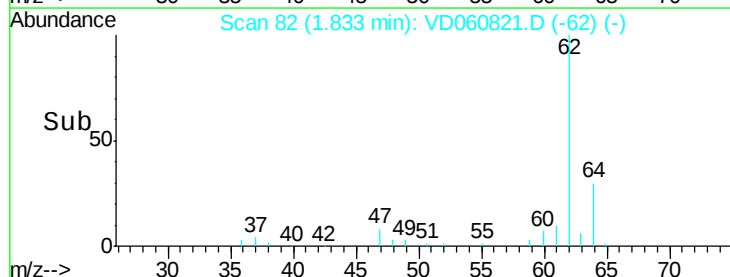
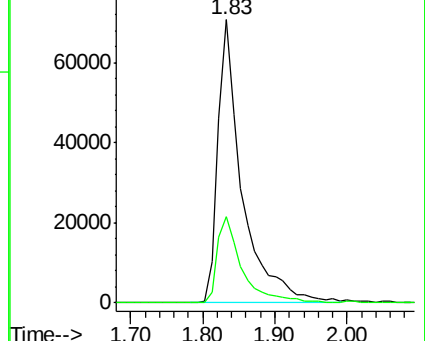
62 100

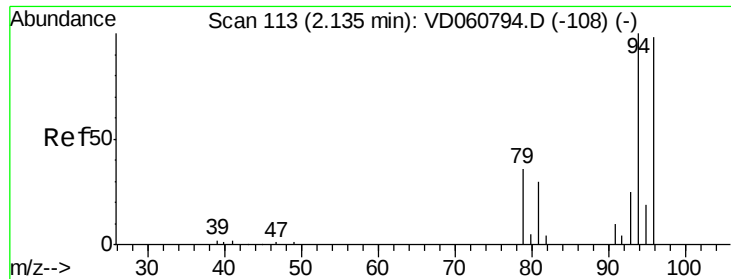
64 30.4 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 69.710 ug/l

RT: 2.12 min Scan# 111

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

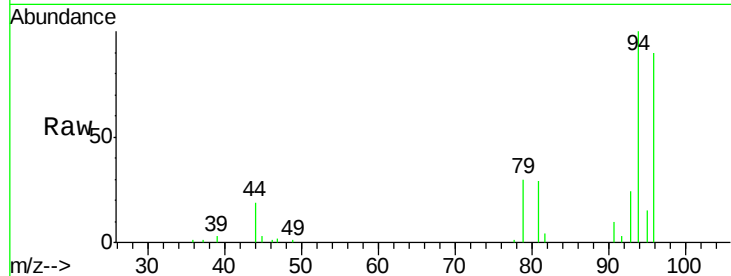
A0C17-SSIMS

Tot Ion: 94 Resp: 58690

Ion Ratio Lower Upper

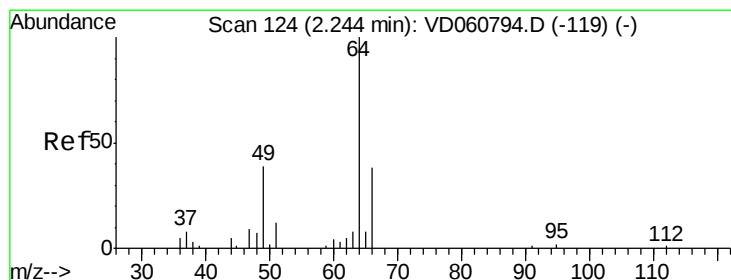
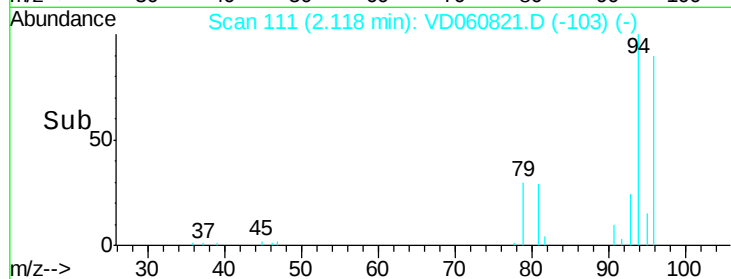
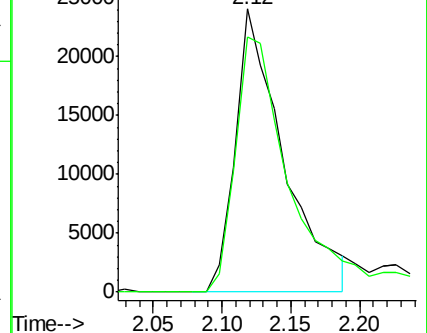
94 100

96 90.0 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 103.104 ug/l

RT: 2.23 min Scan# 122

Delta R.T. -0.02 min

Lab File: VD060821.D

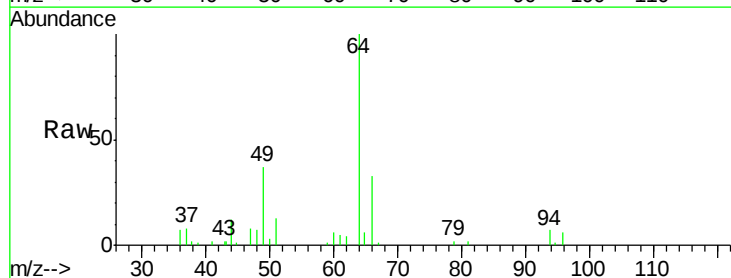
Acq: 1 Feb 2019 16:07

Tgt Ion: 64 Resp: 80693

Ion Ratio Lower Upper

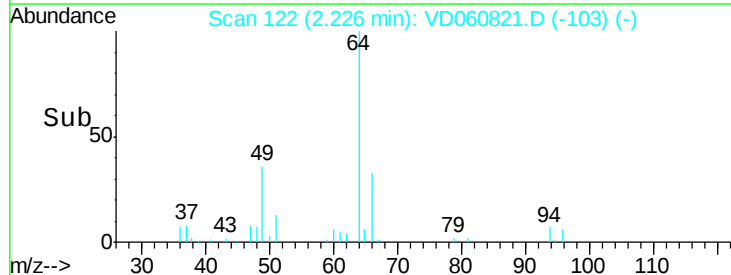
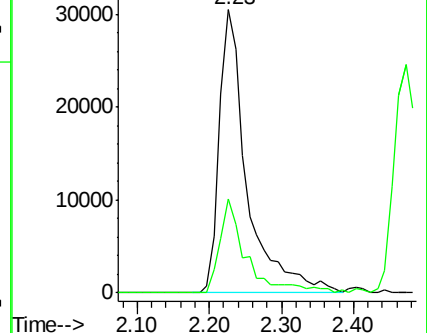
64 100

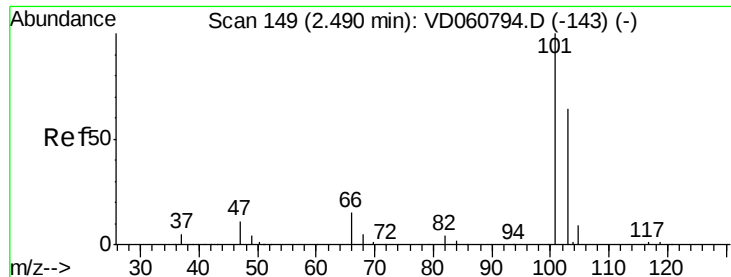
66 33.0 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



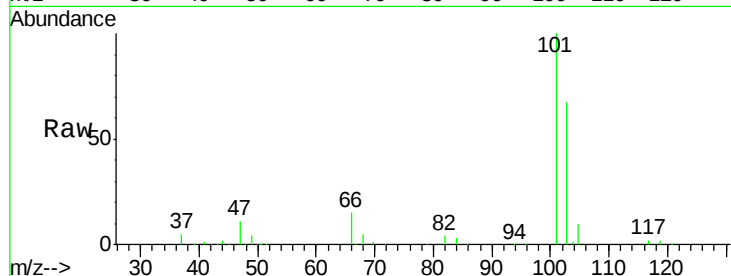


#7

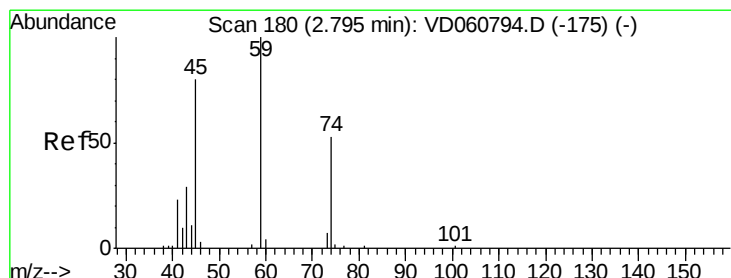
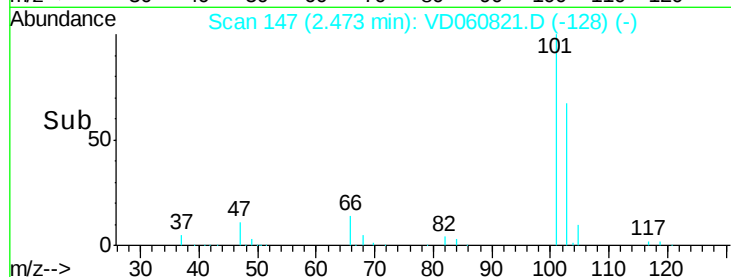
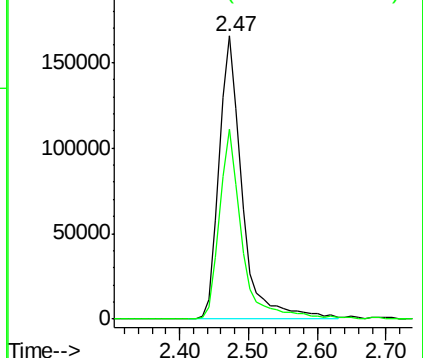
Trichlorofluoromethane
Concen: 73.684 ug/l
RT: 2.47 min Scan# 147
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

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Tot Ion:101 Resp: 386574
Ion Ratio Lower Upper
101 100
103 67.0 51.3 76.9



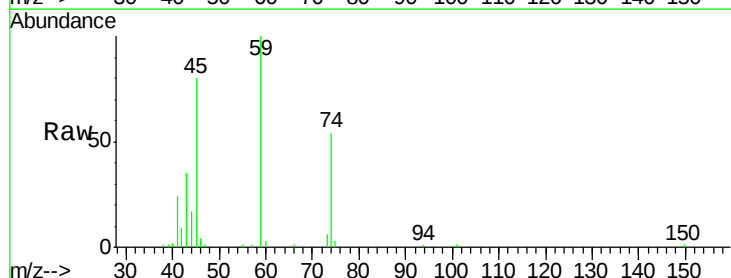
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



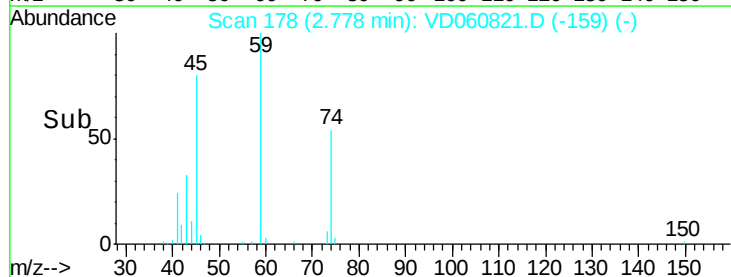
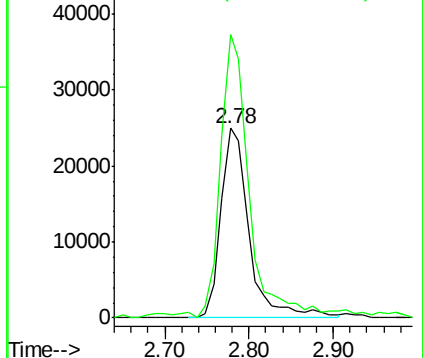
#8

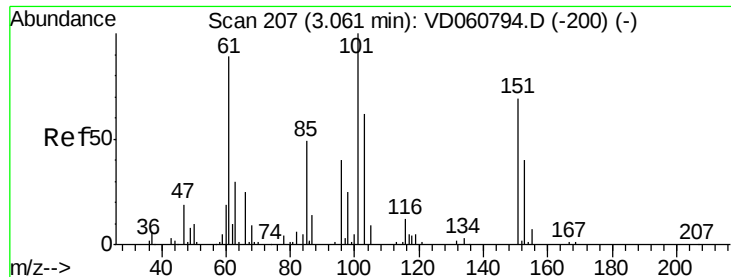
Diethyl Ether
Concen: 74.994 ug/l
RT: 2.78 min Scan# 178
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 74 Resp: 57976
Ion Ratio Lower Upper
74 100
45 149.3 75.6 226.8



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: 60.008 ug/l

RT: 3.04 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

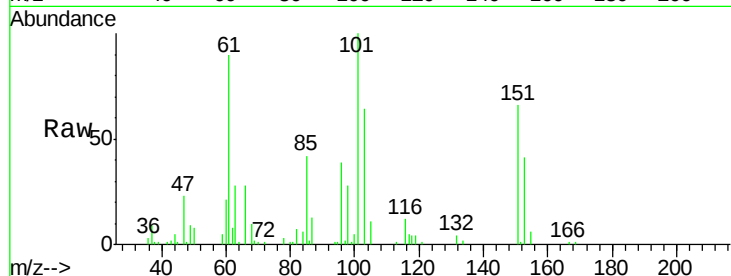
Tot Ion:101 Resp: 159551

Ion Ratio Lower Upper

101 100

85 42.3 39.3 58.9

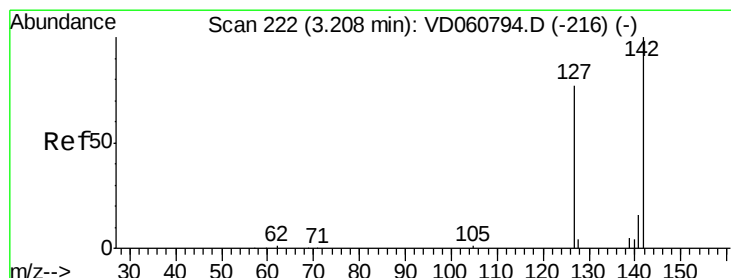
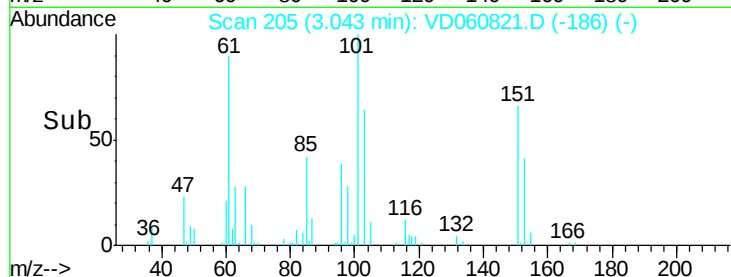
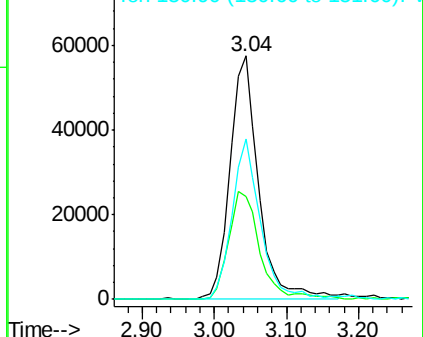
151 65.7 55.1 82.7



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: 64.039 ug/l

RT: 3.19 min Scan# 220

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

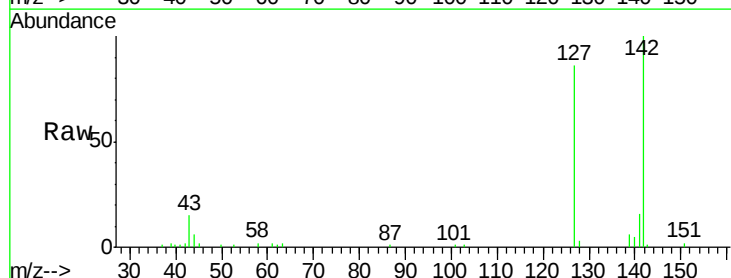
Tgt Ion:142 Resp: 178266

Ion Ratio Lower Upper

142 100

127 85.9 61.6 92.4

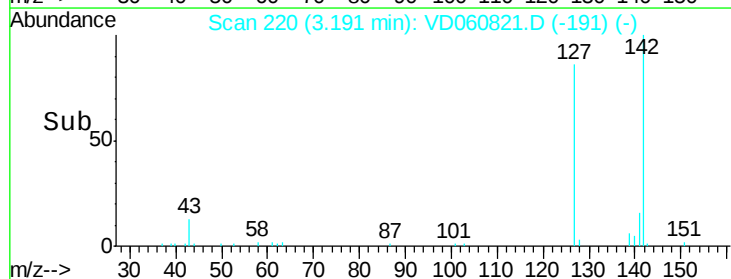
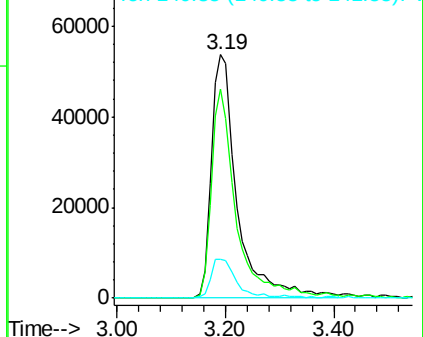
141 16.2 12.5 18.7

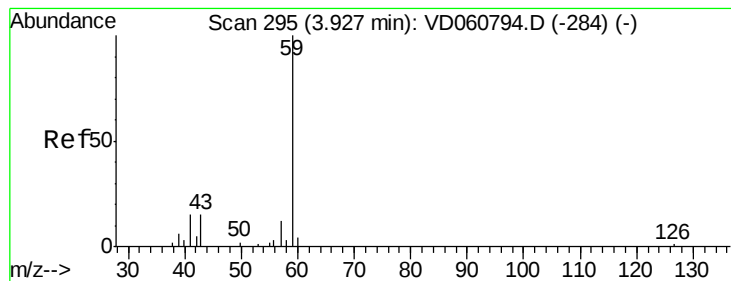


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



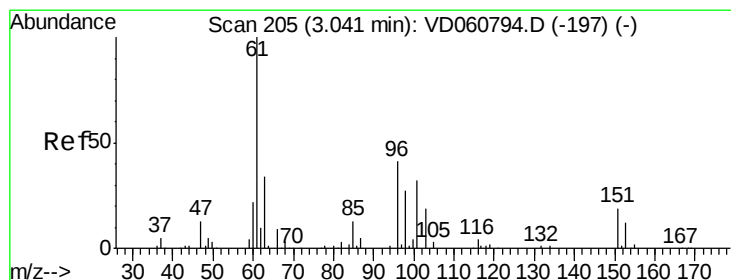
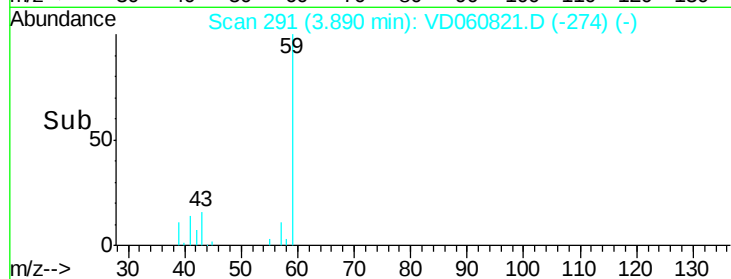
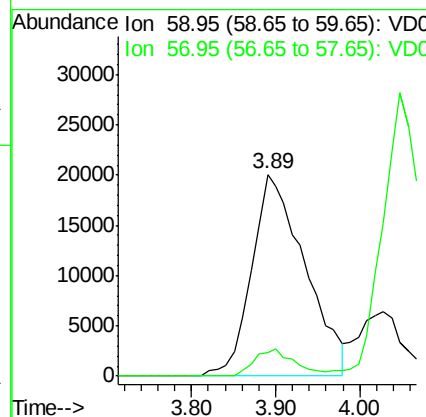
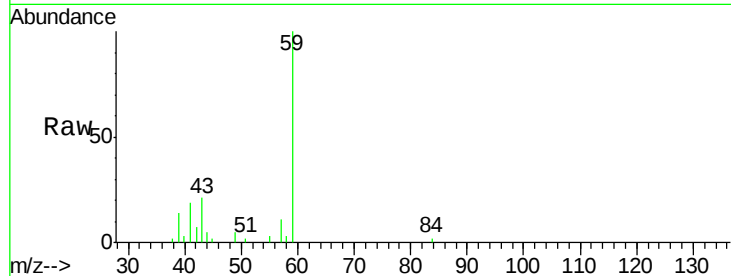


#11

Tert butyl alcohol
Concen: 350.158 ug/l
RT: 3.89 min Scan# 291
Delta R.T. -0.04 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

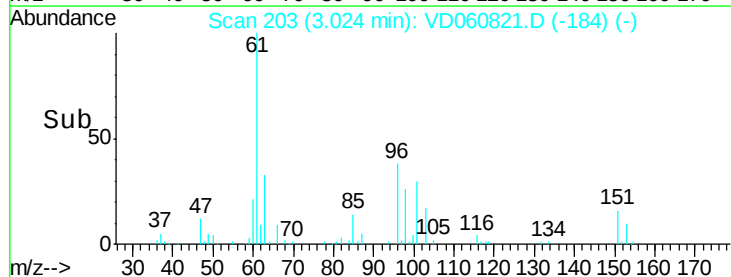
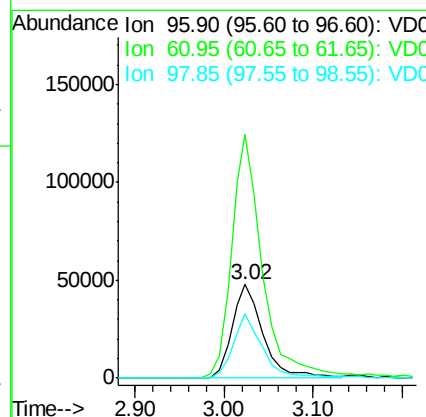
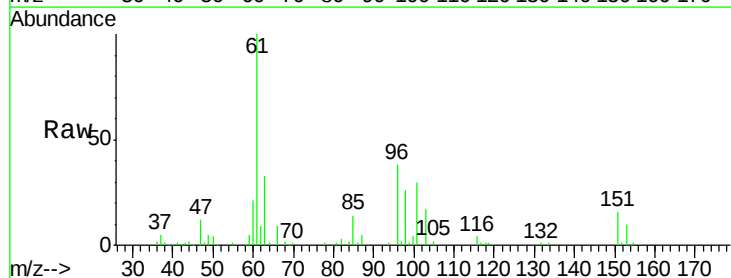
Tot Ion: 59 Resp: 88488
Ion Ratio Lower Upper
59 100
57 11.4 9.8 14.6

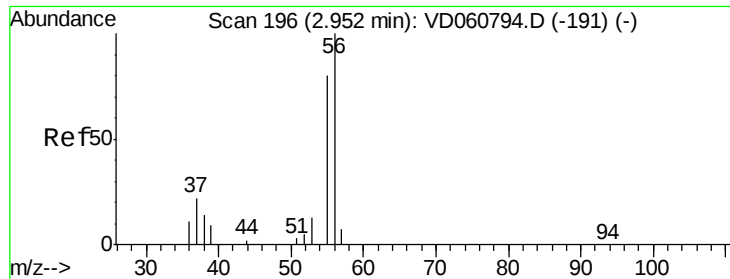


#12

1,1-Dichloroethene
Concen: 64.046 ug/l
RT: 3.02 min Scan# 203
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 96 Resp: 116367
Ion Ratio Lower Upper
96 100
61 260.1 195.1 292.7
98 68.8 52.5 78.7





#13

Acrolein

Concen: 192.263 ug/l

RT: 2.94 min Scan# 194

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

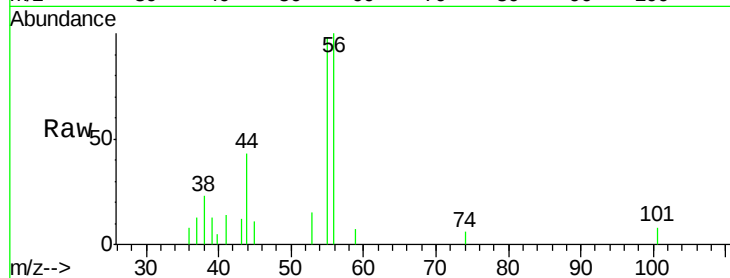
A0C17-SSIMS

Tot Ion: 56 Resp: 17074

Ion Ratio Lower Upper

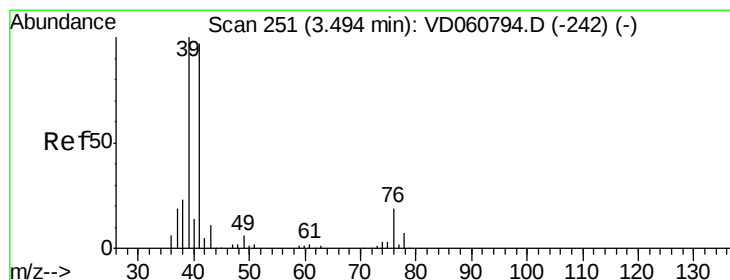
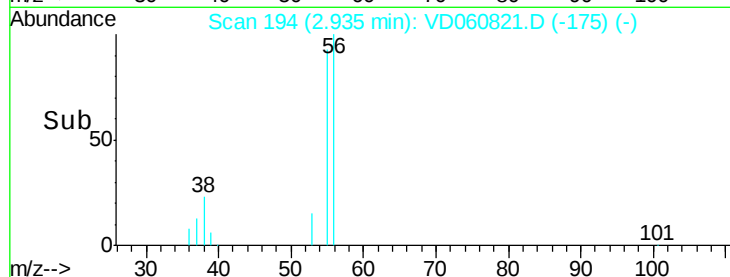
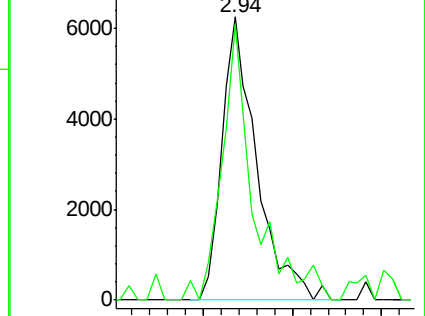
56 100

55 97.6 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 65.164 ug/l

RT: 3.48 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

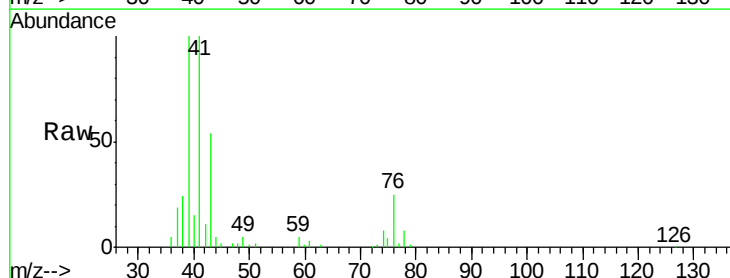
Tgt Ion: 41 Resp: 275533

Ion Ratio Lower Upper

41 100

39 99.7 82.6 123.8

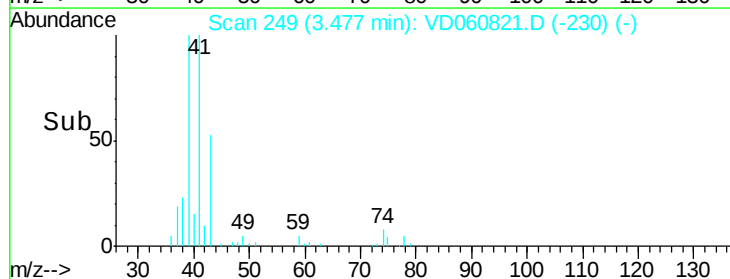
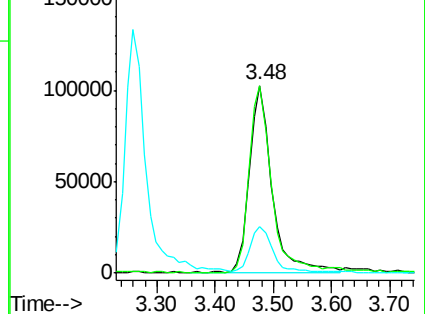
76 24.8 18.9 28.3

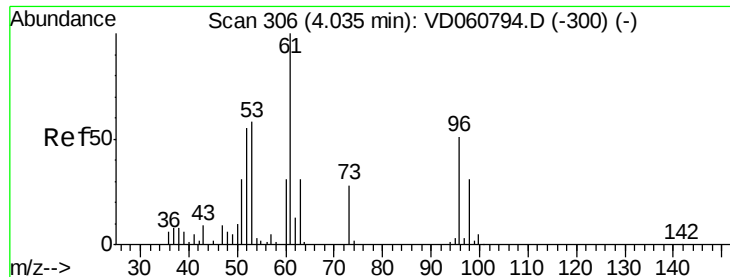


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 293.170 ug/l

RT: 4.01 min Scan# 303

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

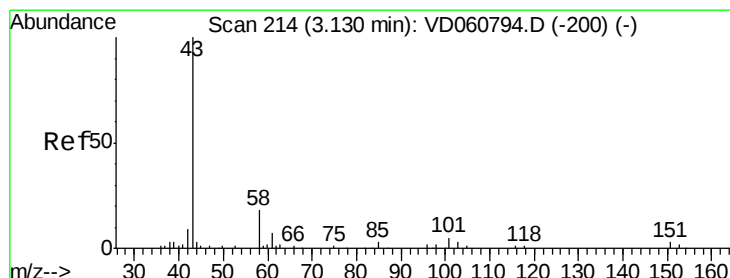
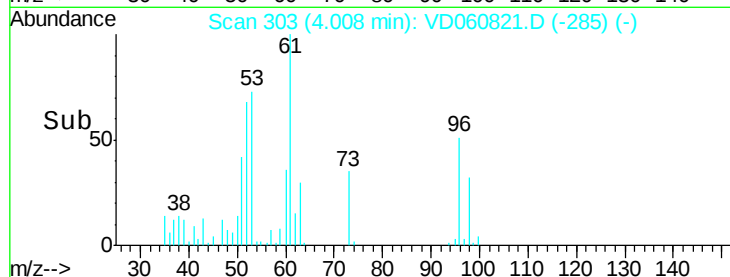
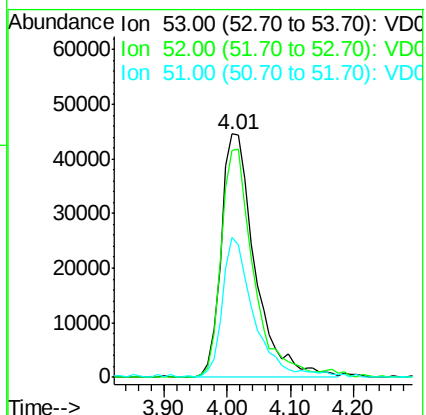
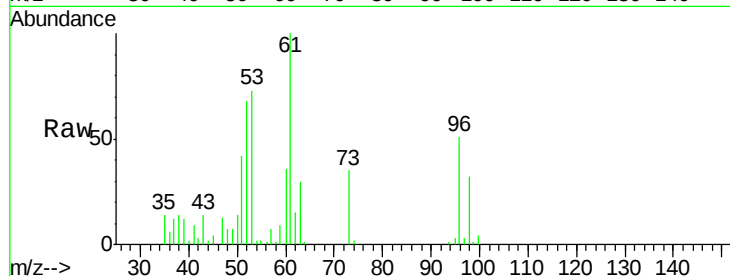
Tot Ion: 53 Resp: 166001

Ion Ratio Lower Upper

53 100

52 93.1 75.4 113.2

51 57.2 42.5 63.7



#16

Acetone

Concen: 390.313 ug/l

RT: 3.10 min Scan# 211

Delta R.T. -0.03 min

Lab File: VD060821.D

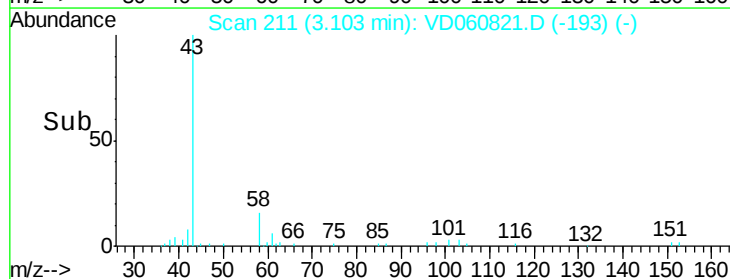
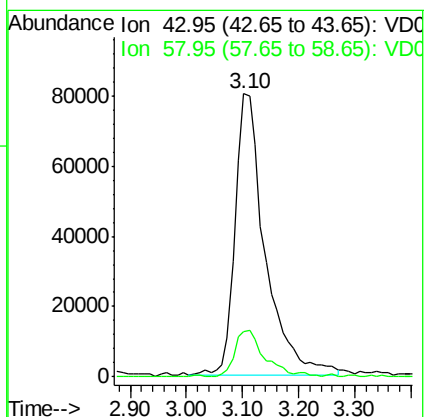
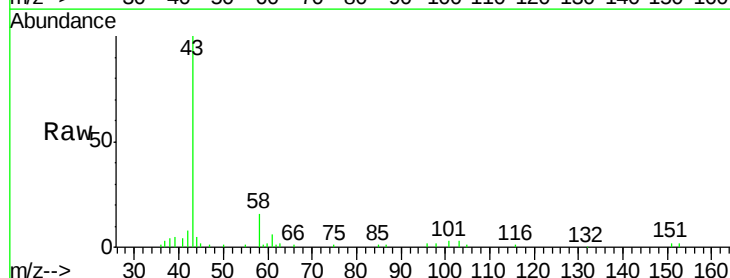
Acq: 1 Feb 2019 16:07

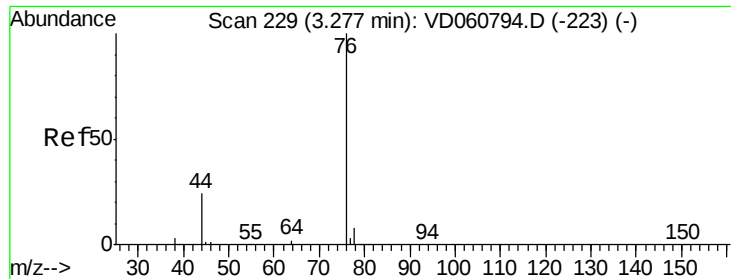
Tgt Ion: 43 Resp: 298108

Ion Ratio Lower Upper

43 100

58 15.9 14.5 21.7

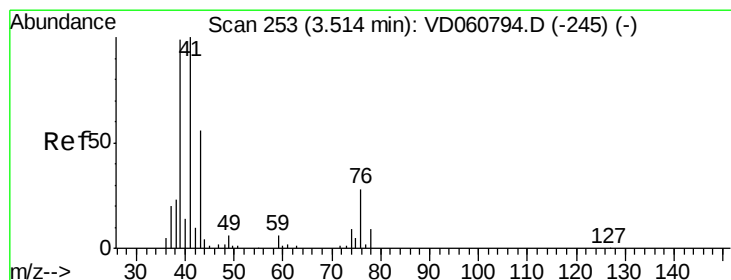
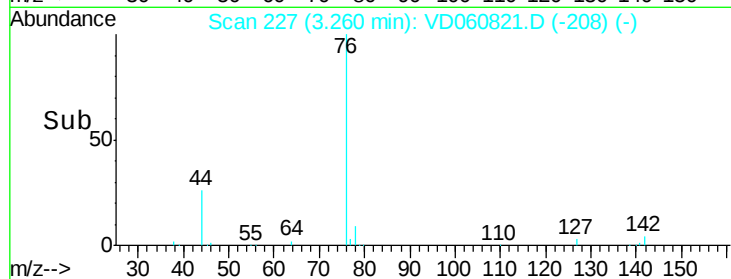
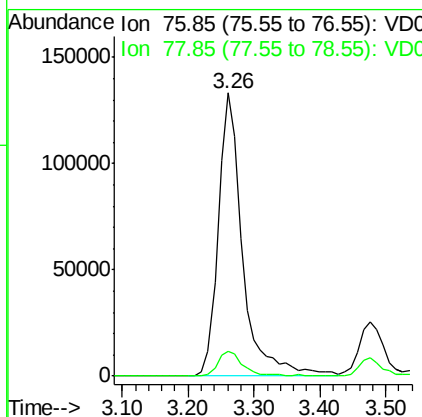
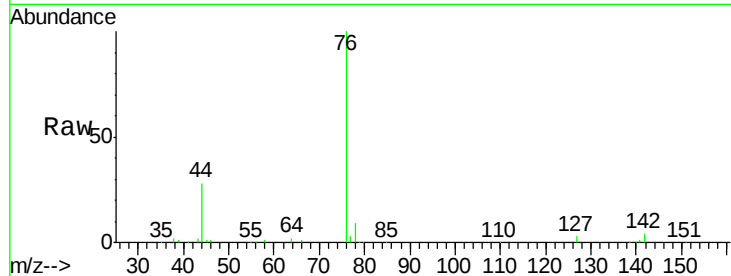




#17
Carbon Disulfide
Concen: 53.235 ug/l
RT: 3.26 min Scan# 227
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

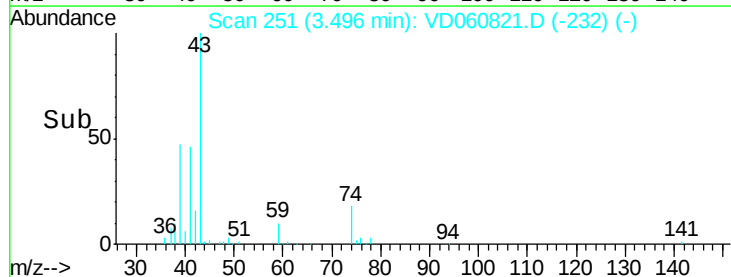
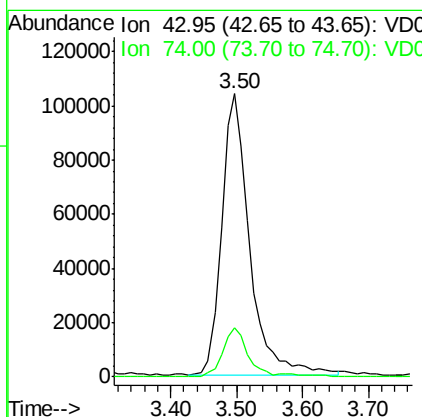
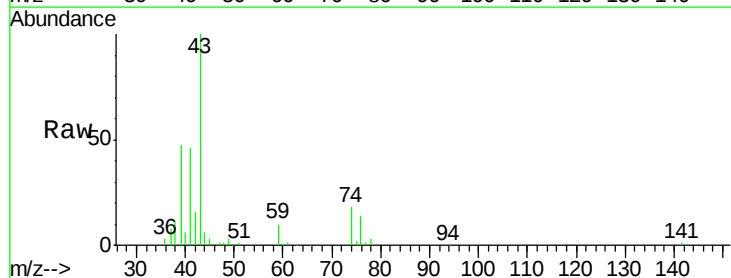
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

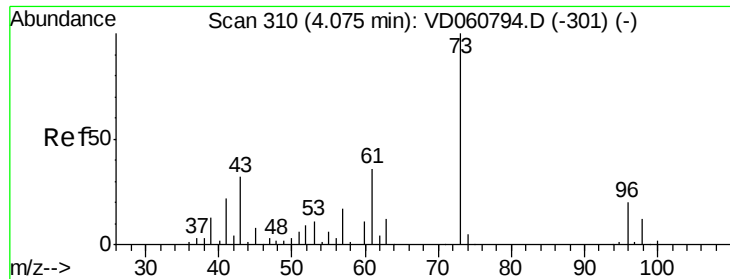
Tot Ion: 76 Resp: 342622
Ion Ratio Lower Upper
76 100
78 8.7 6.5 9.7



#18
Methyl Acetate
Concen: 202.710 ug/l
RT: 3.50 min Scan# 251
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 43 Resp: 306921
Ion Ratio Lower Upper
43 100
74 17.5 12.5 18.7

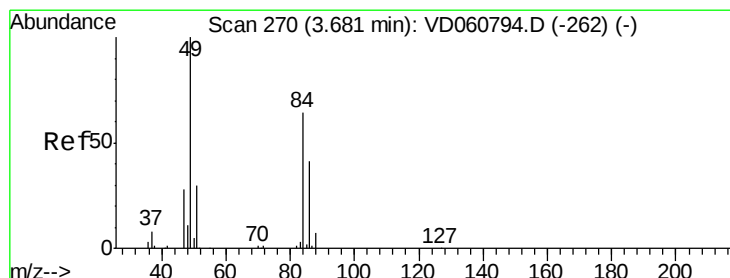
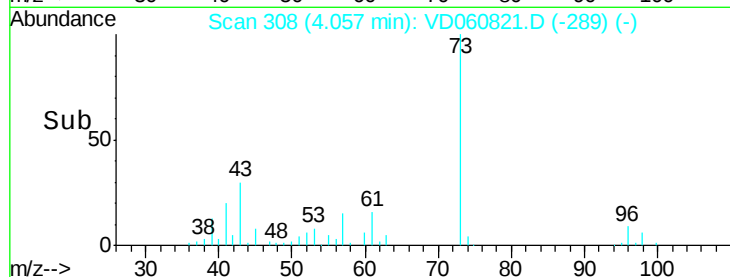
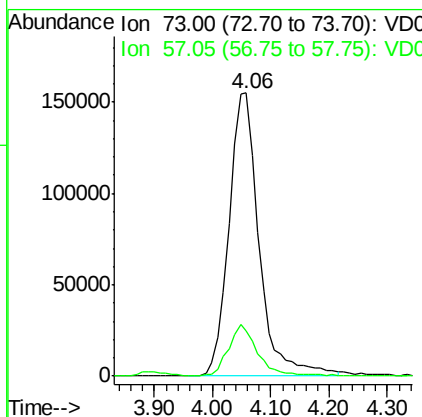
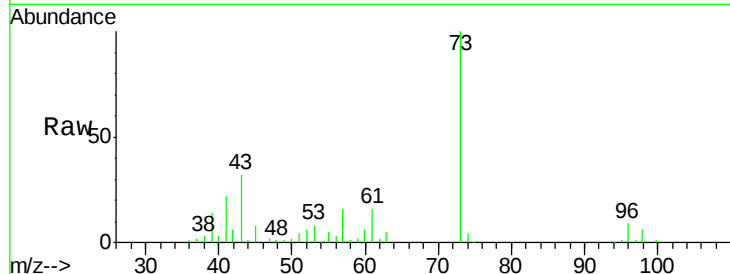




#19
Methyl tert-butyl Ether
Concen: 67.156 ug/l
RT: 4.06 min Scan# 308
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

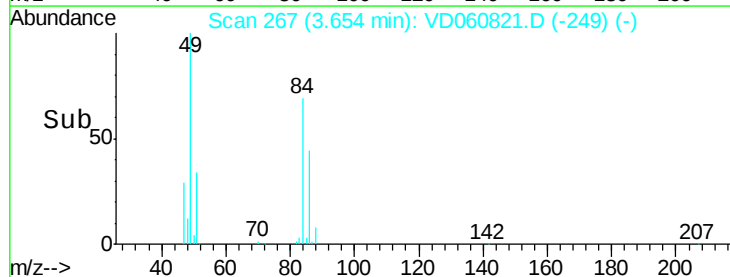
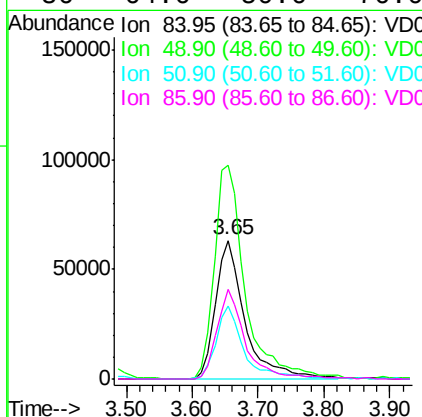
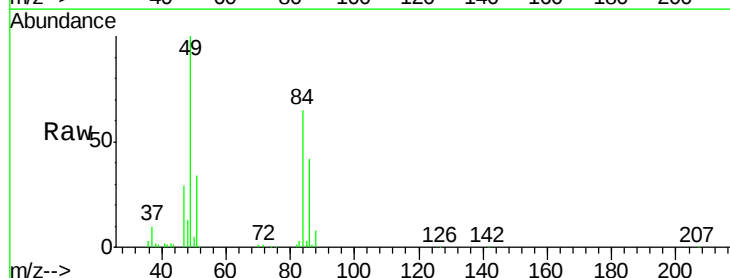
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

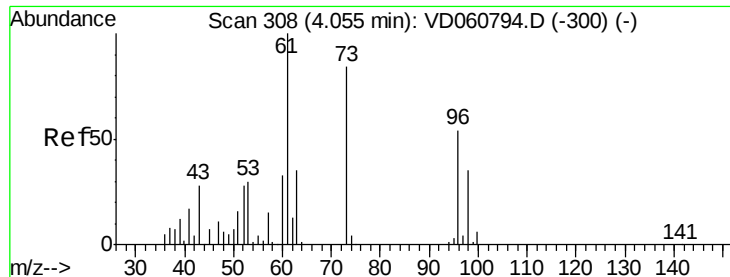
Tot Ion: 73 Resp: 557062
Ion Ratio Lower Upper
73 100
57 15.9 14.0 21.0



#20
Methylene Chloride
Concen: 59.050 ug/l
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 84 Resp: 195480
Ion Ratio Lower Upper
84 100
49 154.4 124.2 186.2
51 52.4 38.1 57.1
86 64.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.441 ug/l

RT: 4.03 min Scan# 305

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

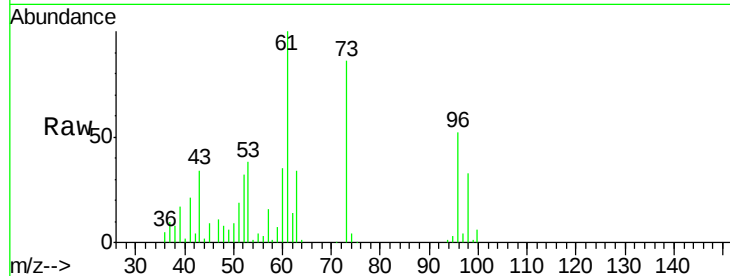
Tot Ion: 96 Resp: 155155

Ion Ratio Lower Upper

96 100

61 193.7 147.4 221.2

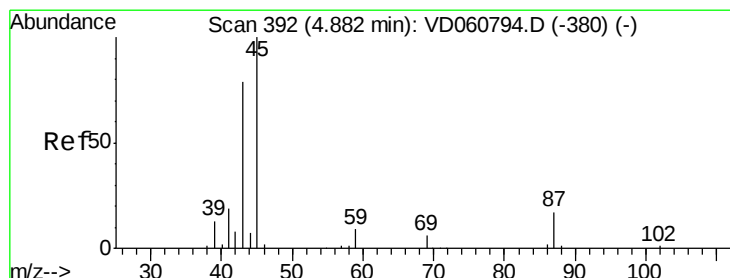
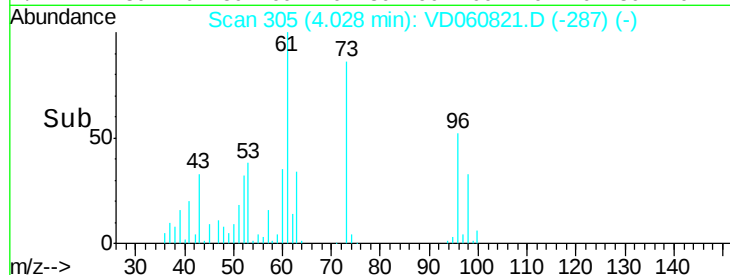
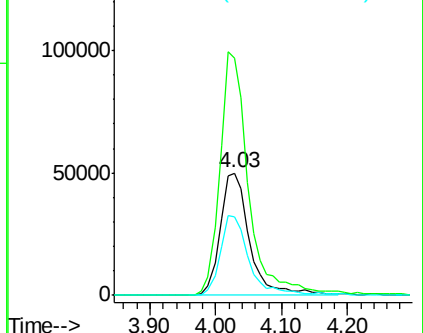
98 63.7 51.5 77.3



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: 61.378 ug/l

RT: 4.85 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion: 45 Resp: 668759

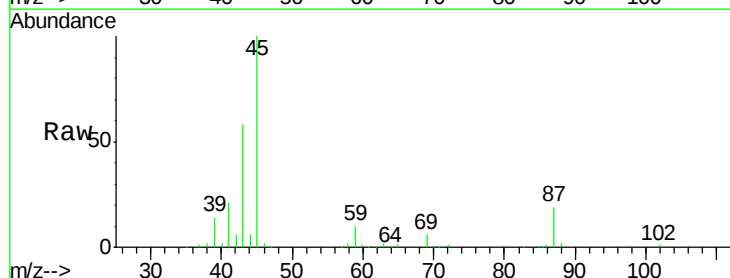
Ion Ratio Lower Upper

45 100

43 57.7 64.3 96.5#

87 19.2 14.3 21.5

59 10.2 7.8 11.8

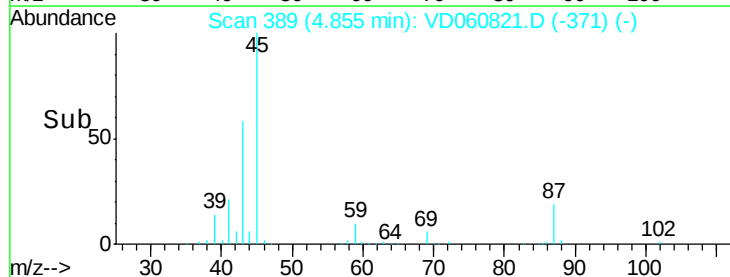
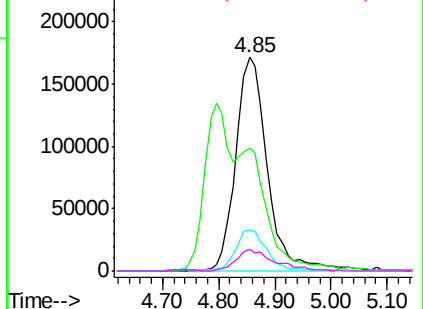


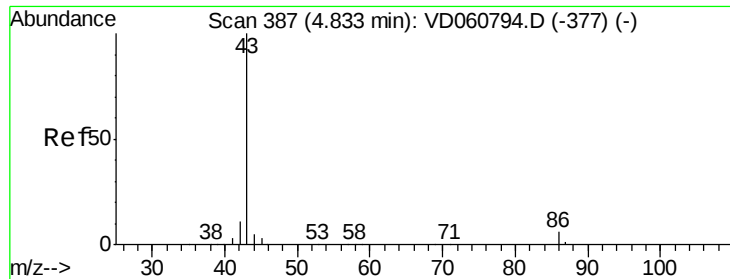
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 67.959 ug/l

RT: 4.80 min Scan# 383

Delta R.T. -0.04 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

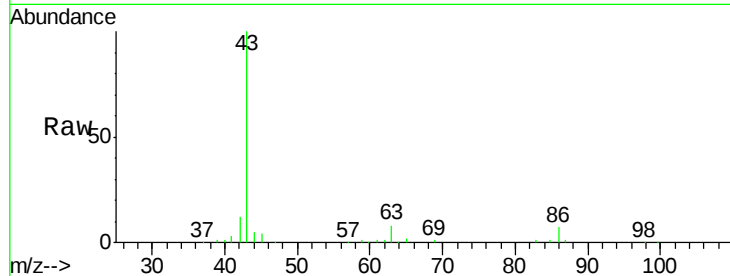
A0C17-SSIMS

Tot Ion: 43 Resp: 426416

Ion Ratio Lower Upper

43 100

86 6.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

150000

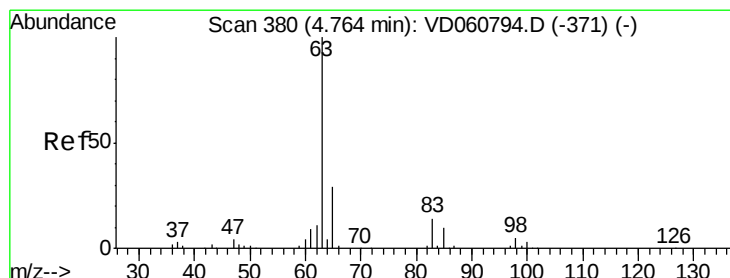
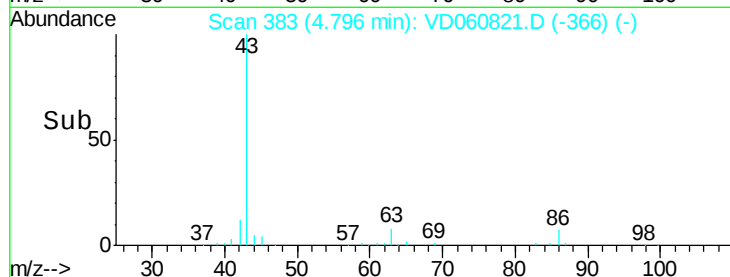
100000

50000

0

4.70 4.80

Time-->



#24

1,1-Dichloroethane

Concen: 59.141 ug/l

RT: 4.74 min Scan# 377

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

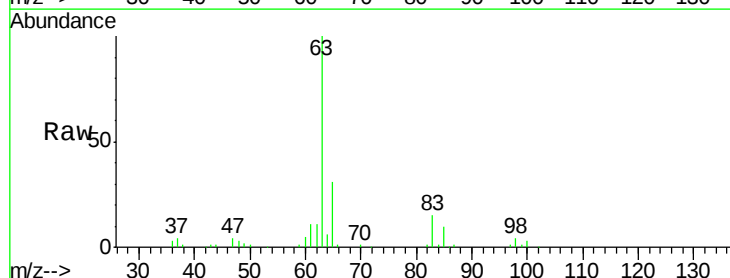
Tgt Ion: 63 Resp: 421847

Ion Ratio Lower Upper

63 100

98 3.7 2.3 6.9

100 2.8 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

150000

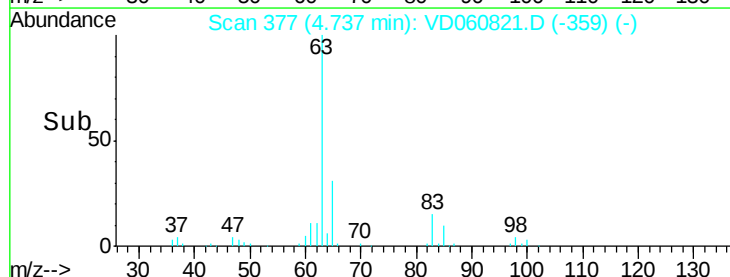
100000

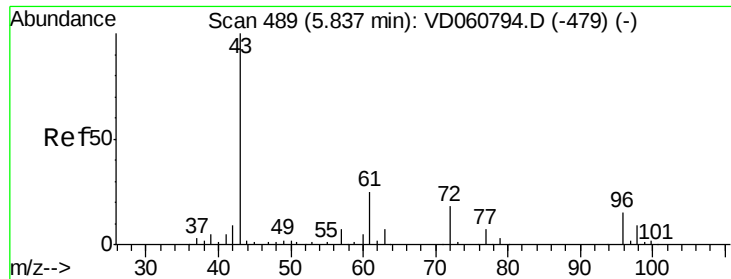
50000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 341.013 ug/l

RT: 5.80 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

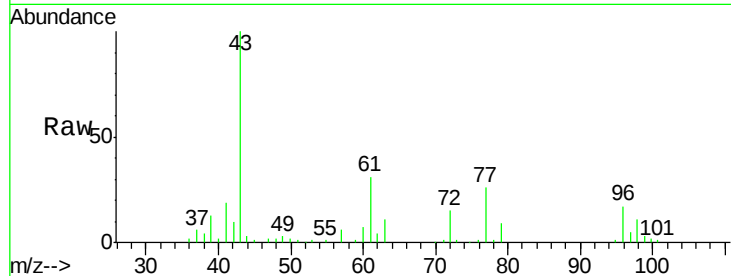
A0C17-SSIMS

Tot Ion: 43 Resp: 333369

Ion Ratio Lower Upper

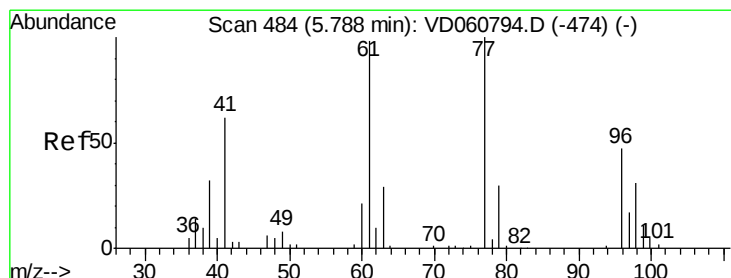
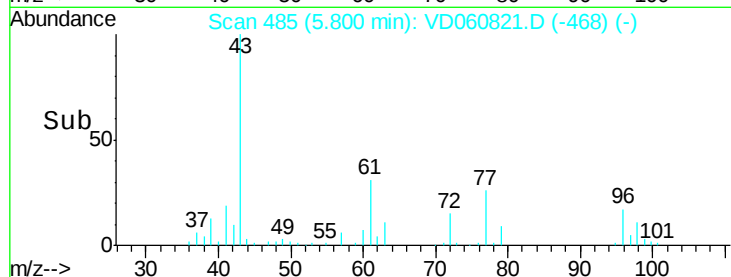
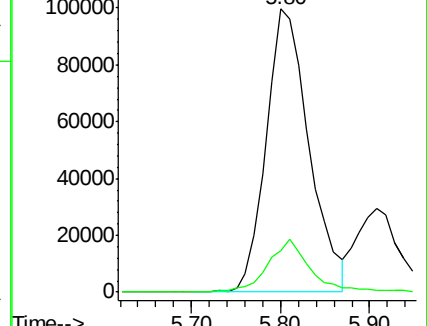
43 100

72 14.6 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 59.731 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD060821.D

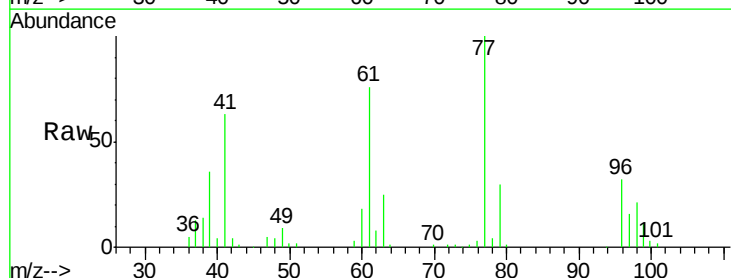
Acq: 1 Feb 2019 16:07

Tgt Ion: 77 Resp: 448918

Ion Ratio Lower Upper

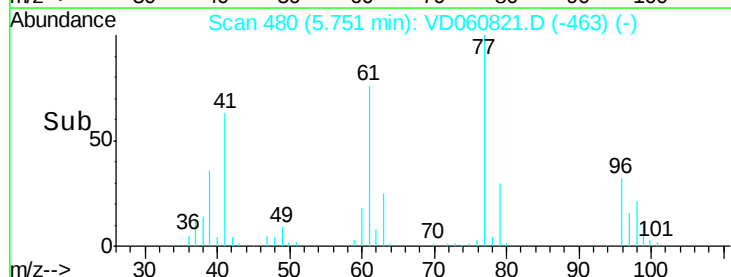
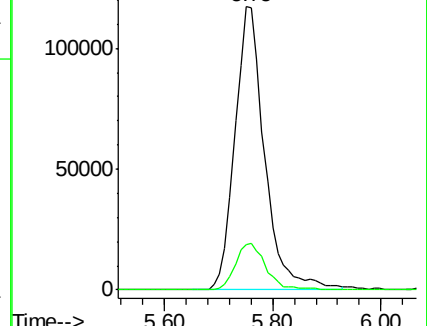
77 100

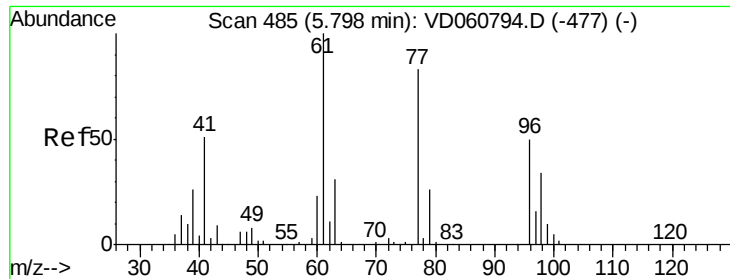
97 15.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



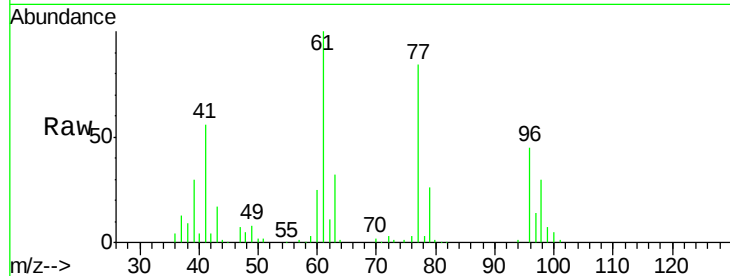


#27

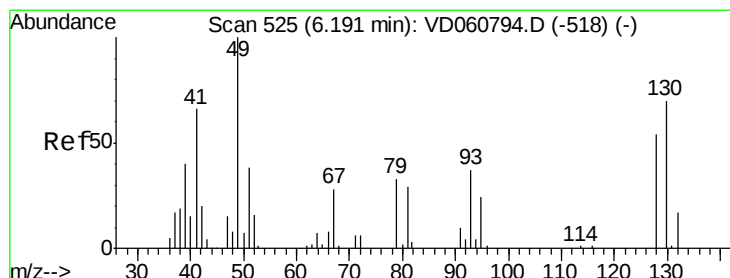
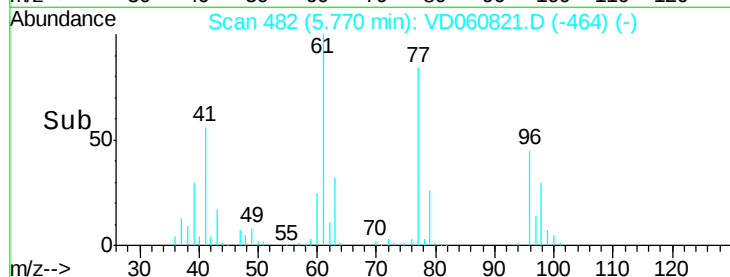
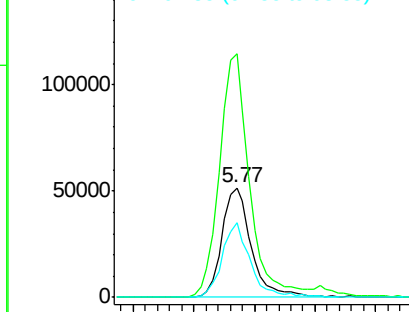
cis-1,2-Dichloroethene
Concen: 47.849 ug/l
RT: 5.77 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 96 Resp: 174553
Ion Ratio Lower Upper
96 100
61 222.0 0.0 400.0
98 67.7 0.0 136.4



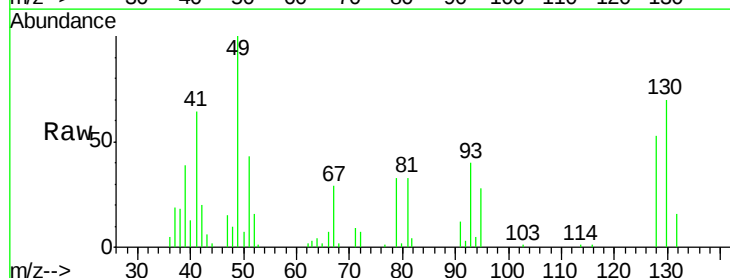
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



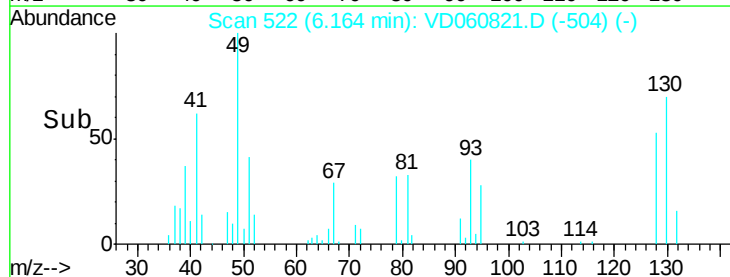
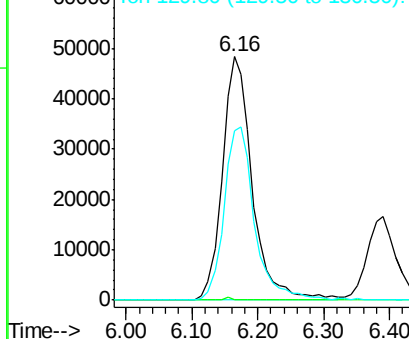
#28

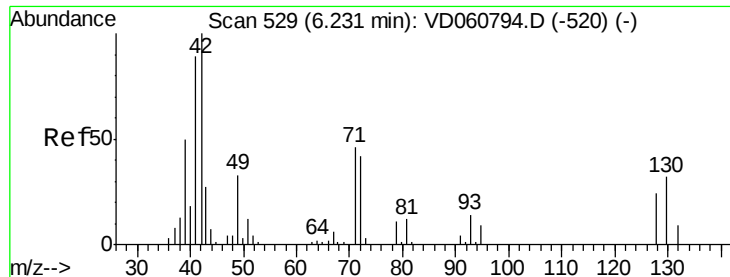
Bromochloromethane
Concen: 54.956 ug/l
RT: 6.16 min Scan# 522
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 49 Resp: 152917
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 69.5 56.1 84.1



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

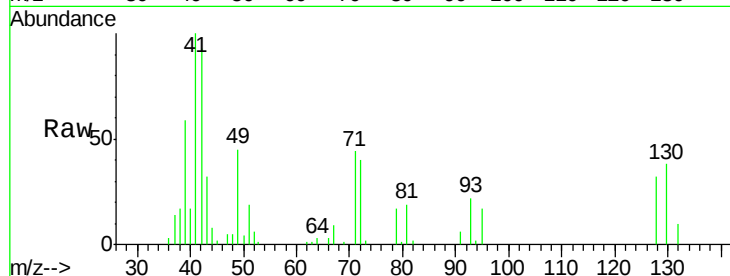




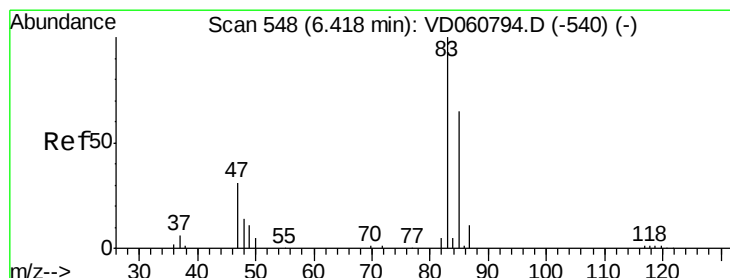
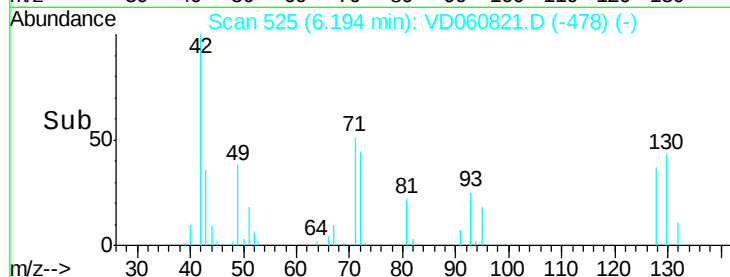
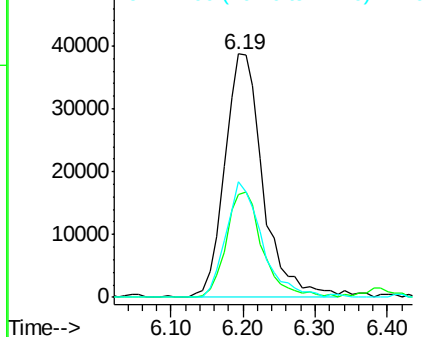
#29
Tetrahydrofuran
Concen: 302.428 ug/l
RT: 6.19 min Scan# 525
Delta R.T. -0.04 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 42 Resp: 141977
Ion Ratio Lower Upper
42 100
72 41.4 32.8 49.2
71 44.6 34.6 52.0

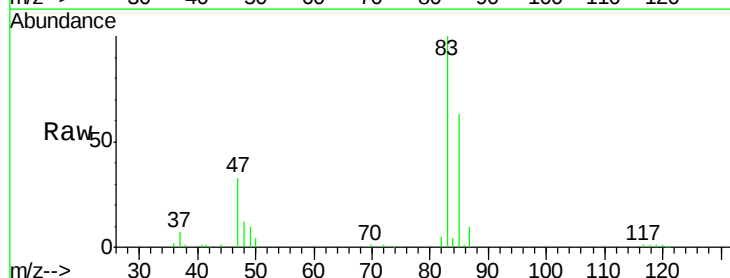


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

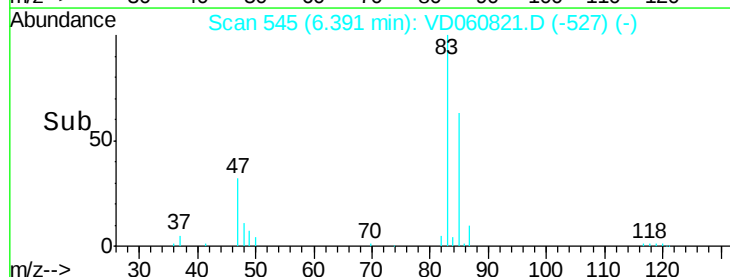
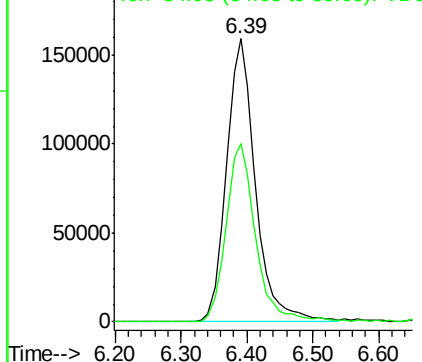


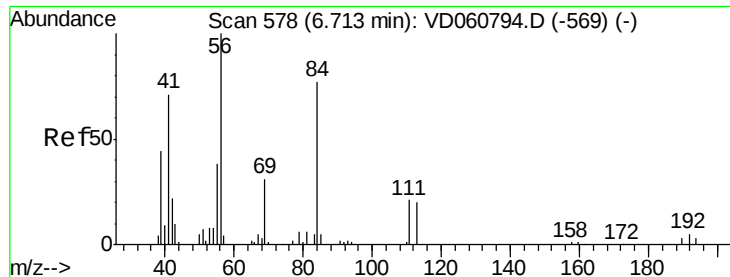
#30
Chloroform
Concen: 58.266 ug/l
RT: 6.39 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 83 Resp: 491222
Ion Ratio Lower Upper
83 100
85 63.2 52.3 78.5



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

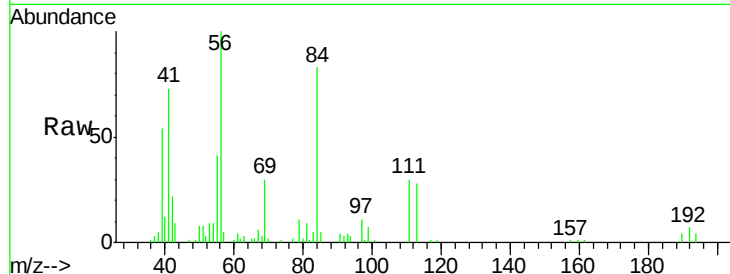




#31
Cyclohexane
Concen: 37.581 ug/l
RT: 6.69 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	56	Resp	182384
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.1	37.7
84	82.9	63.9	95.9

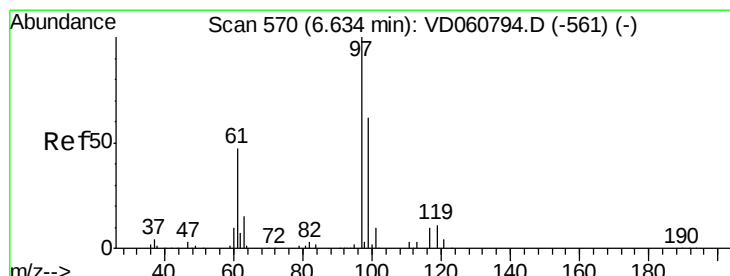
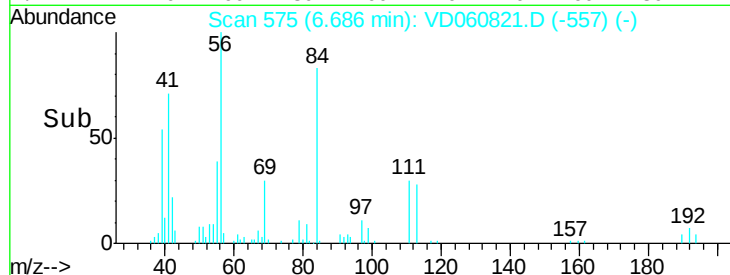
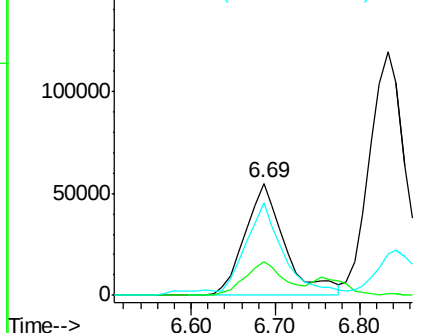


Abundance

Ion 55.95 (55.65 to 56.65): VDC

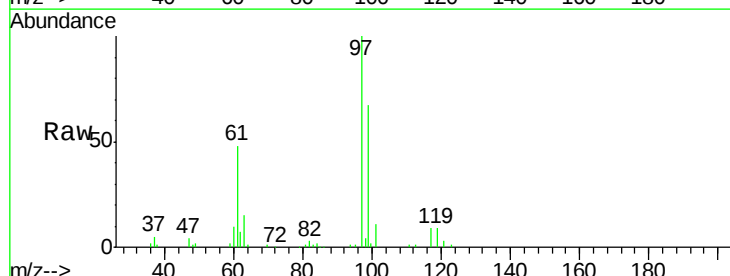
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32
1,1,1-Trichloroethane
Concen: 57.795 ug/l
RT: 6.60 min Scan# 566
Delta R.T. -0.04 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	97	Resp	469217
Ion	Ratio	Lower	Upper
97	100		
99	66.6	49.6	74.4
61	48.5	37.4	56.2

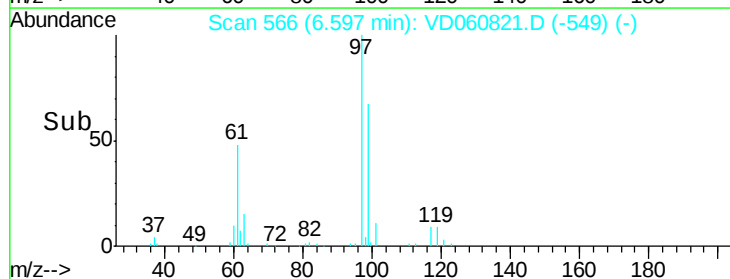
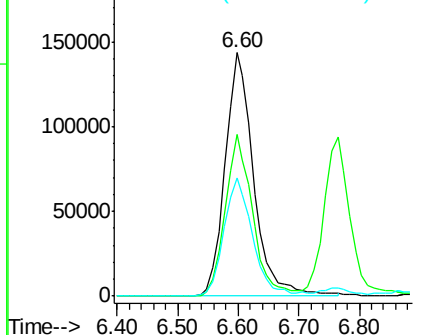


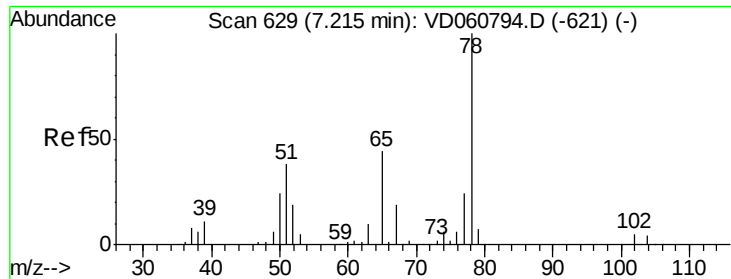
Abundance

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: 57.795 ug/l

RT: 7.18 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

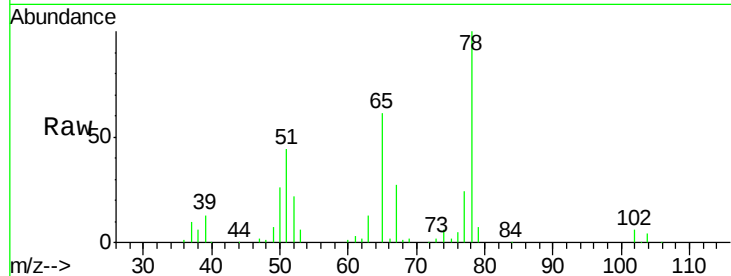
A0C17-SSIMS

Tot Ion: 65 Resp: 325720

Ion Ratio Lower Upper

65 100

67 44.2 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.18

120000

100000

80000

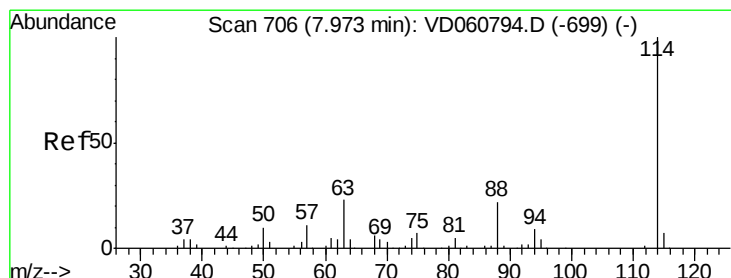
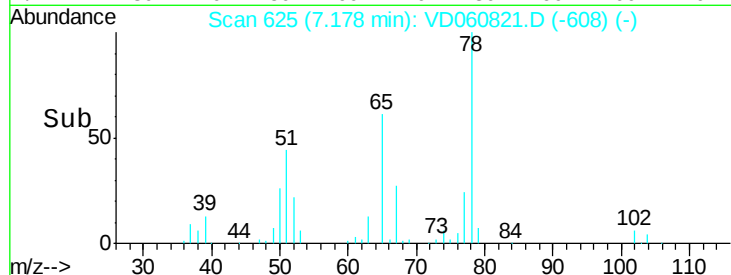
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 703

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

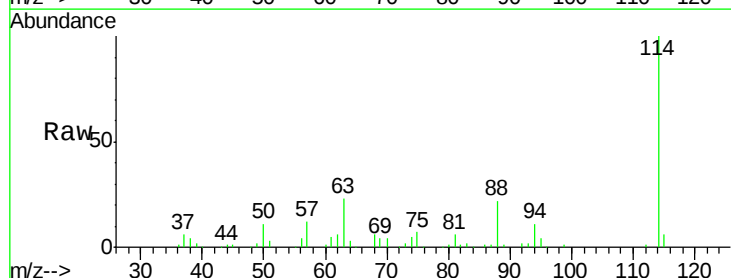
Tgt Ion: 114 Resp: 462591

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.6

88 22.4 0.0 44.0



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

200000

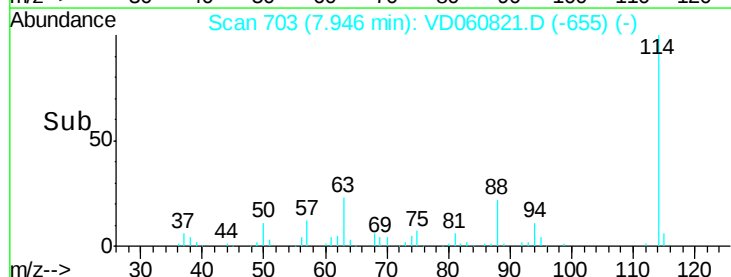
150000

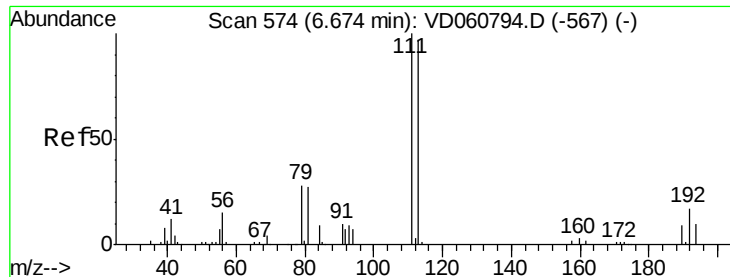
100000

50000

0

Time-->

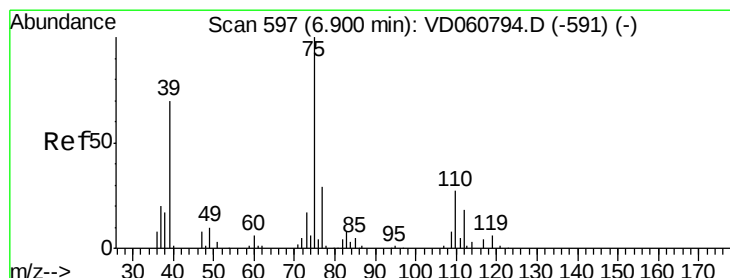
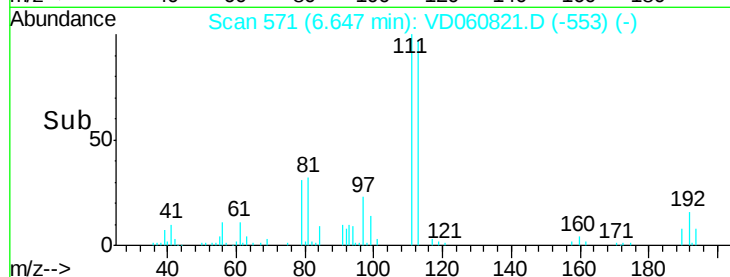
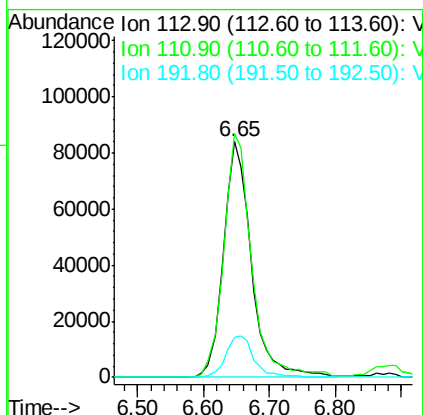
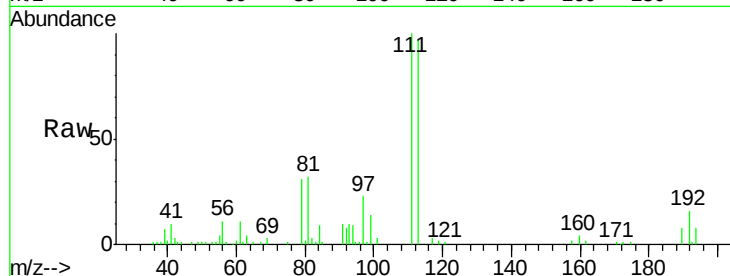




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 571
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

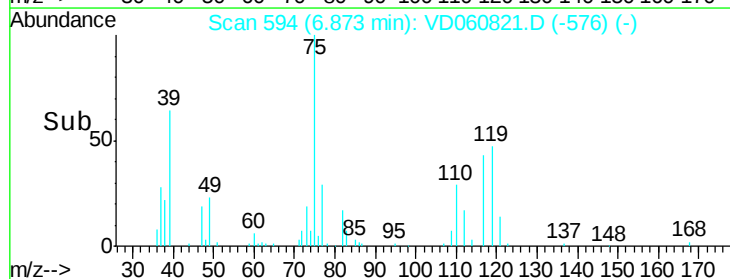
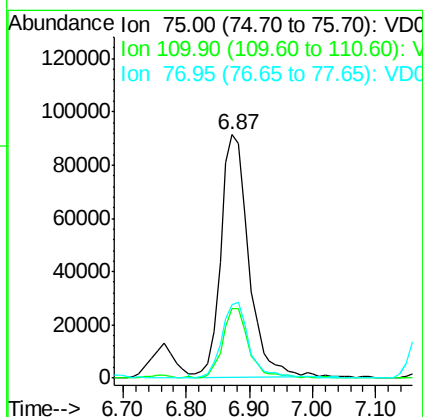
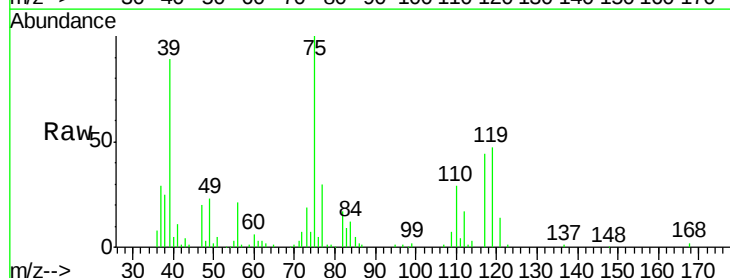
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

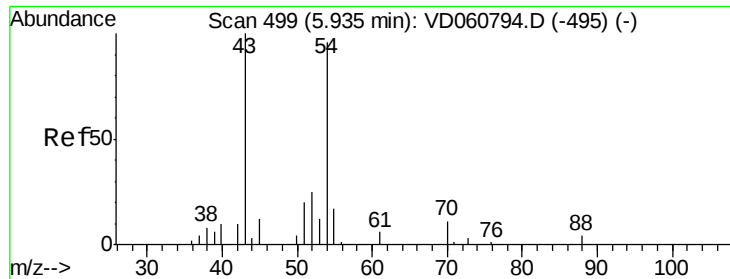
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.3	123.5
192	16.8	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 50.800 ug/l
 RT: 6.87 min Scan# 594
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.8	13.5	40.4
77	30.1	23.4	35.2

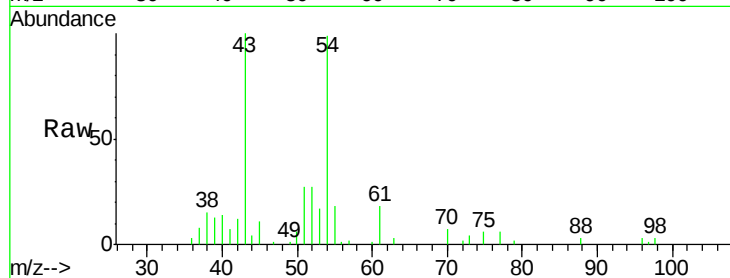




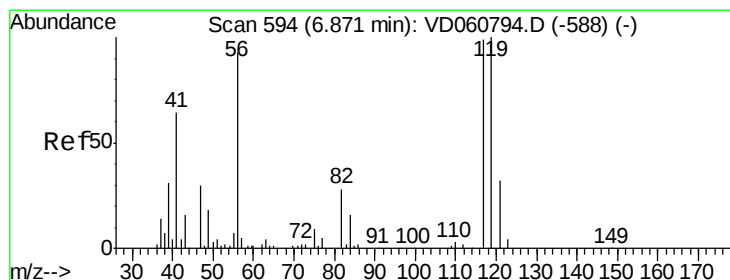
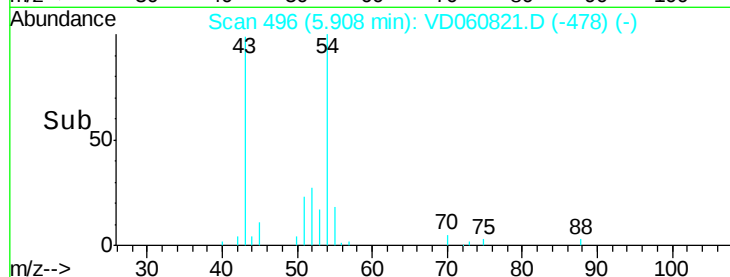
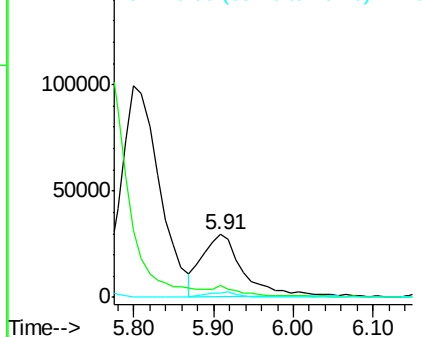
#37
Ethyl Acetate
Concen: 41.819 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 43 Resp: 103107
Ion Ratio Lower Upper
43 100
61 18.3 12.3 18.5
70 7.2 7.4 11.0#

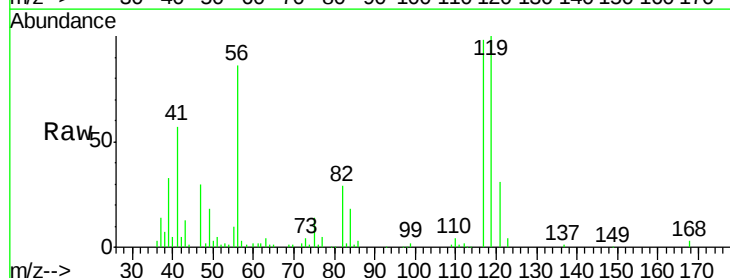


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

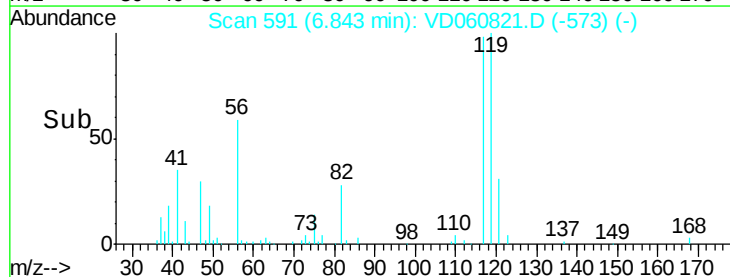
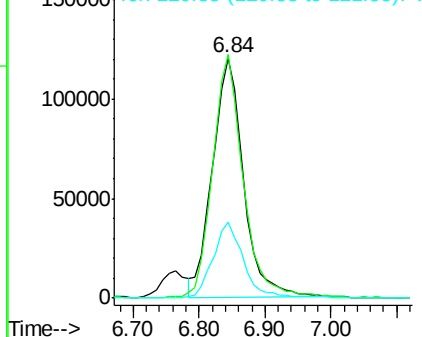


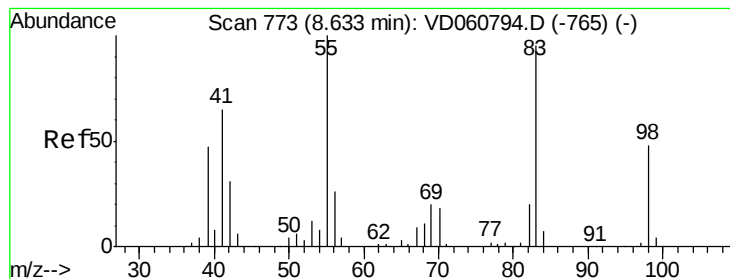
#38
Carbon Tetrachloride
Concen: 56.539 ug/l
RT: 6.84 min Scan# 591
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 117 Resp: 391585
Ion Ratio Lower Upper
117 100
119 101.5 75.6 113.4
121 31.4 23.4 35.2



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





#39

Methvlcvclohexane

Concen: 27.991 ug/l

RT: 8.60 min Scan# 769

Delta R.T. -0.04 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

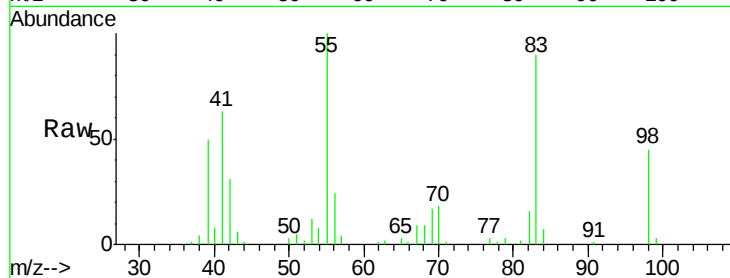
Tot Ion: 83 Resp: 129470

Ion Ratio Lower Upper

83 100

55 111.7 83.8 125.8

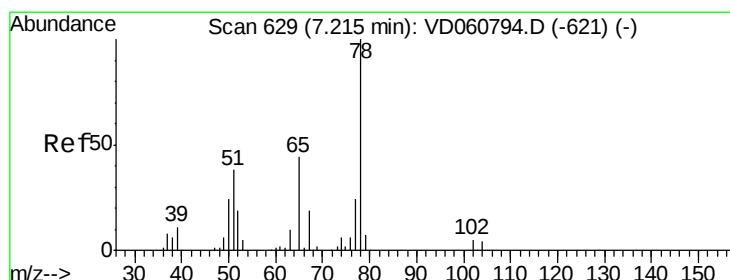
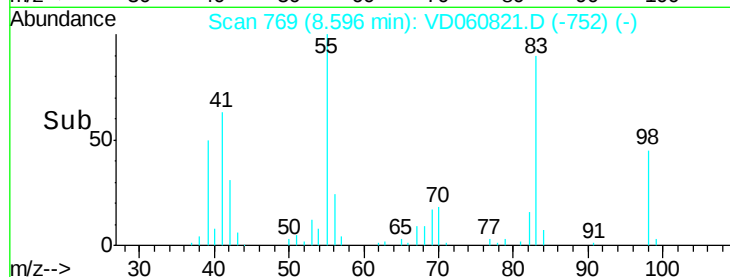
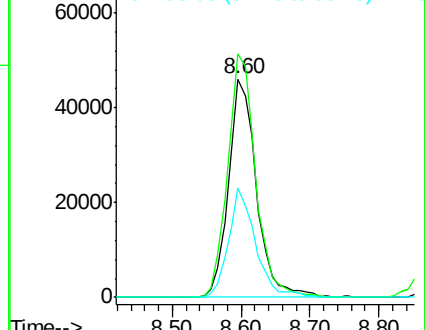
98 49.8 39.8 59.8



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: 52.125 ug/l

RT: 7.19 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD060821.D

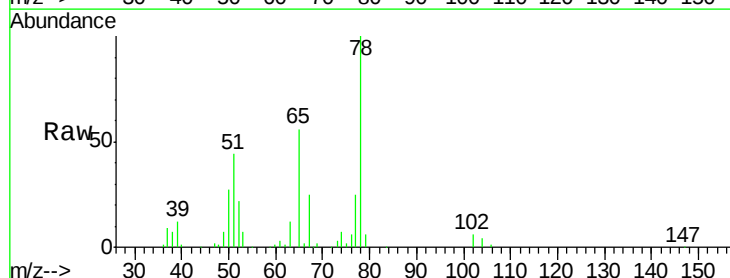
Acq: 1 Feb 2019 16:07

Tgt Ion: 78 Resp: 568216

Ion Ratio Lower Upper

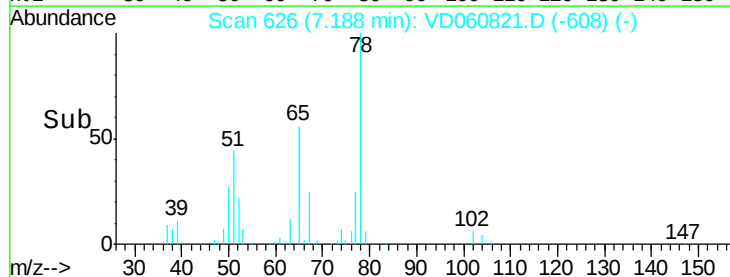
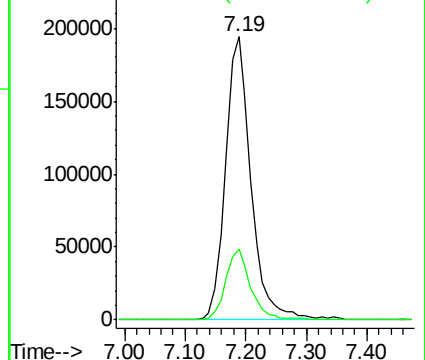
78 100

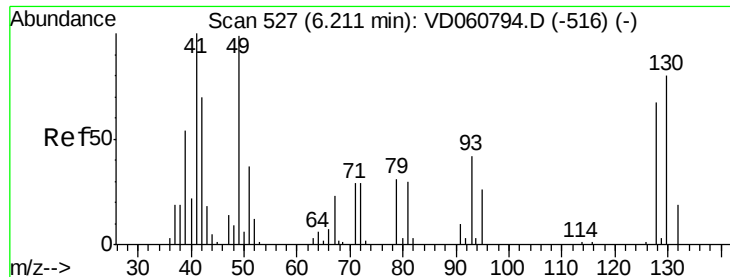
77 24.9 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 127.578 ug/l

RT: 6.18 min Scan# 524

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 41 Resp: 199763

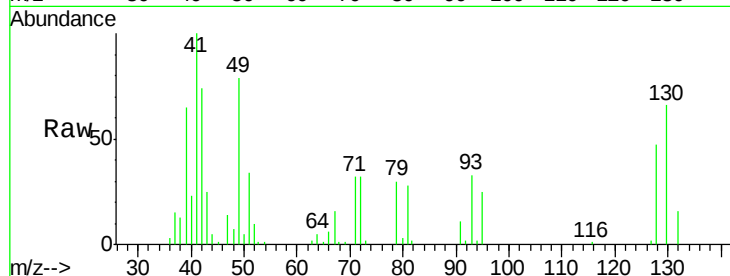
Ion Ratio Lower Upper

41 100

39 64.8 43.6 65.4

67 15.9 18.5 27.7#

52 9.5 10.2 15.2#

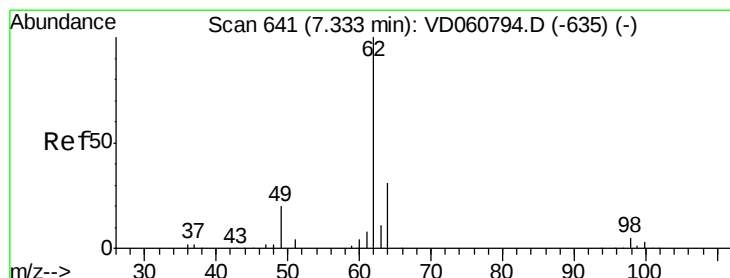
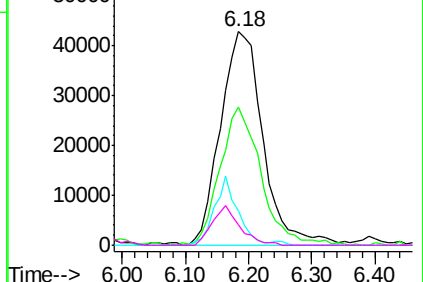
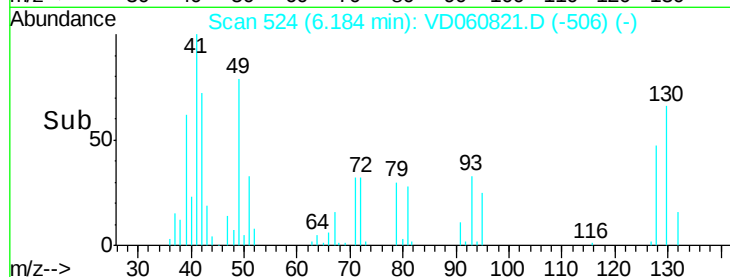


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 66.810 ug/l

RT: 7.31 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD060821.D

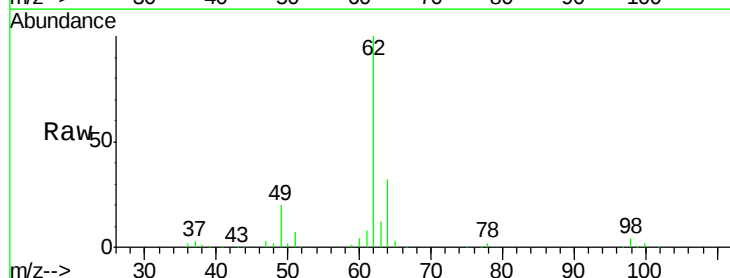
Acq: 1 Feb 2019 16:07

Tgt Ion: 62 Resp: 423093

Ion Ratio Lower Upper

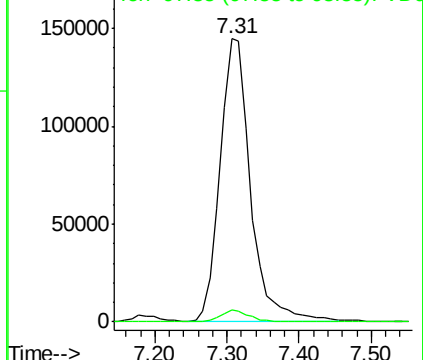
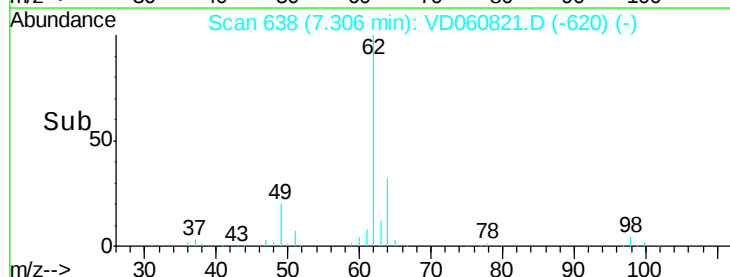
62 100

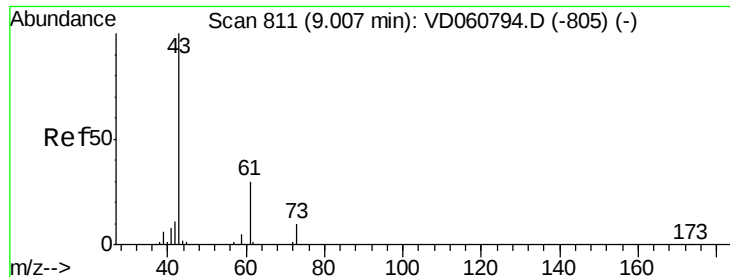
98 4.0 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 36.726 ug/l

RT: 8.98 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

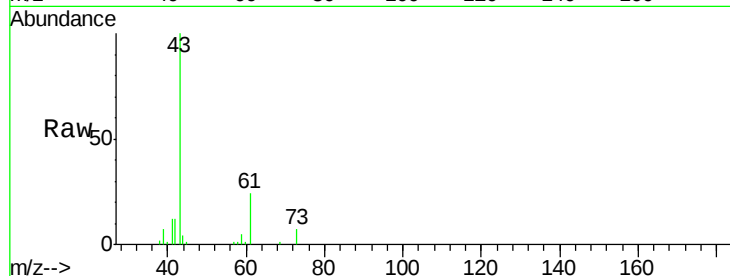
Tot Ion: 43 Resp: 118100

Ion Ratio Lower Upper

43 100

61 24.4 24.1 36.1

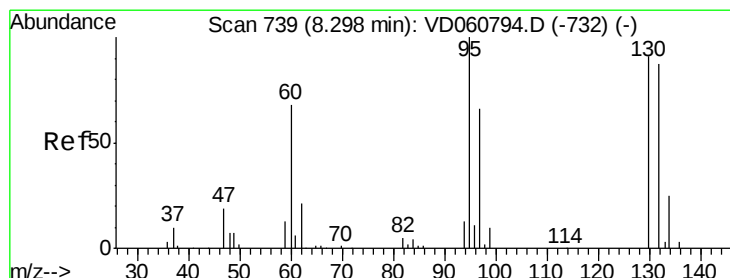
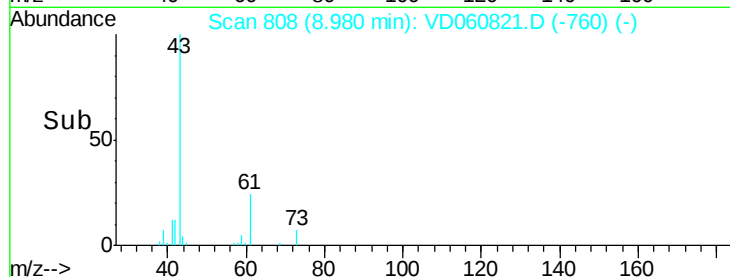
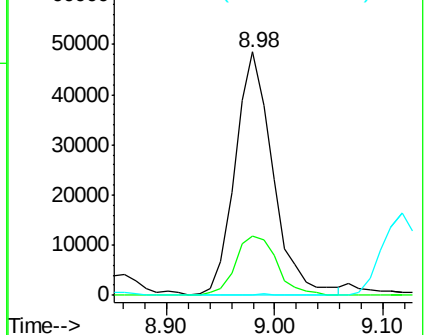
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.632 ug/l

RT: 8.27 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD060821.D

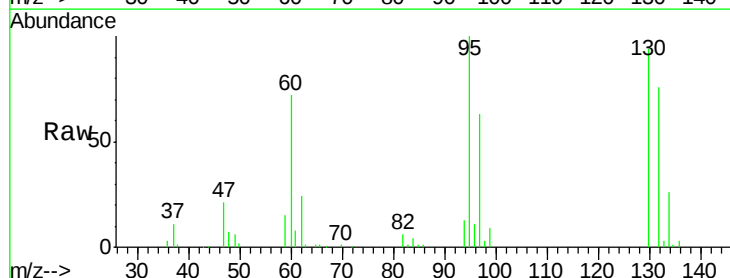
Acq: 1 Feb 2019 16:07

Tgt Ion:130 Resp: 194499

Ion Ratio Lower Upper

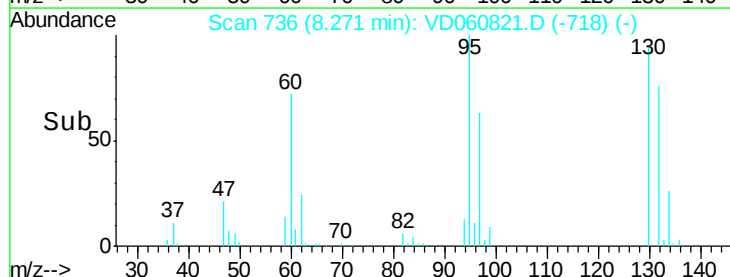
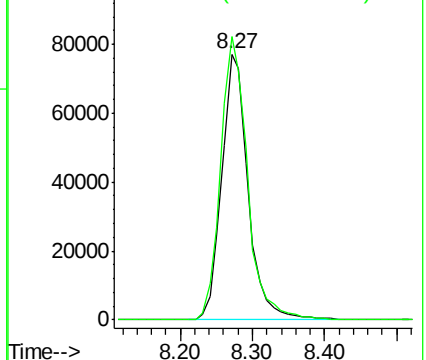
130 100

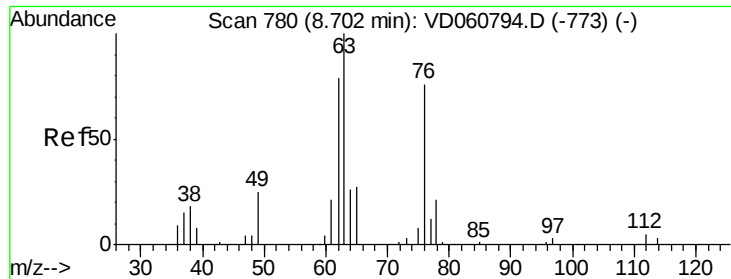
95 106.6 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.985 ug/l

RT: 8.67 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

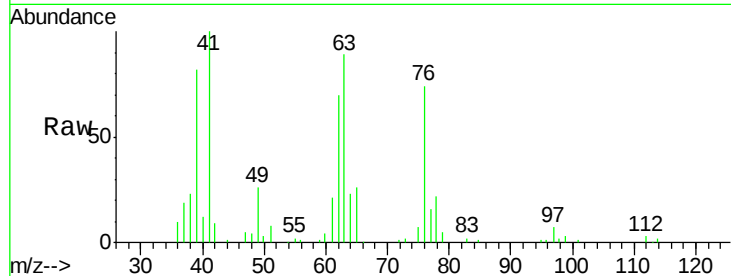
A0C17-SSIMS

Tot Ion: 63 Resp: 147501

Ion Ratio Lower Upper

63 100

65 29.5 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.67

60000

50000

40000

30000

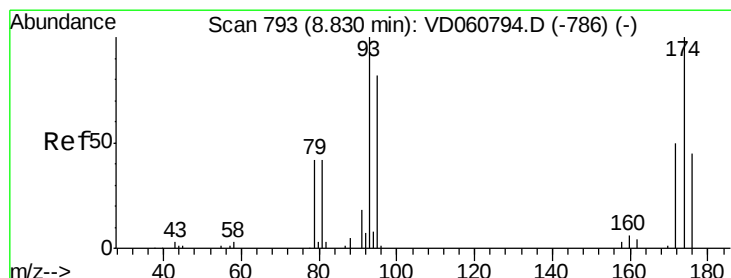
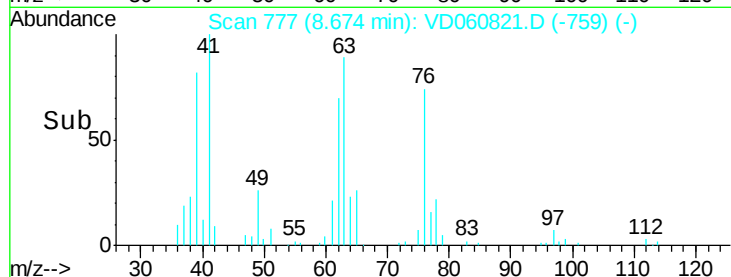
20000

10000

0

Time-->

8.60 8.70 8.80



#46

Dibromomethane

Concen: 64.735 ug/l

RT: 8.80 min Scan# 790

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

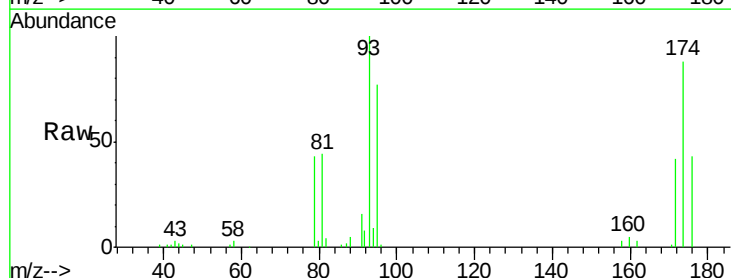
Tgt Ion: 93 Resp: 148294

Ion Ratio Lower Upper

93 100

95 76.5 65.8 98.8

174 87.8 79.8 119.6



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

8.80

80000

60000

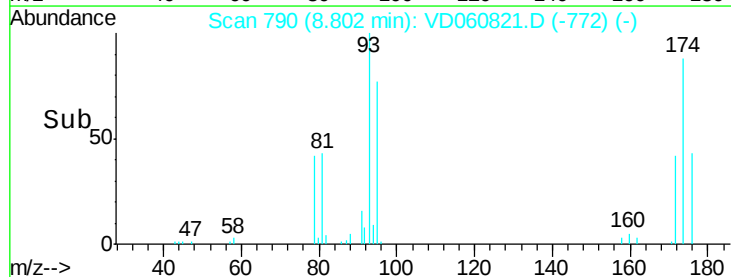
40000

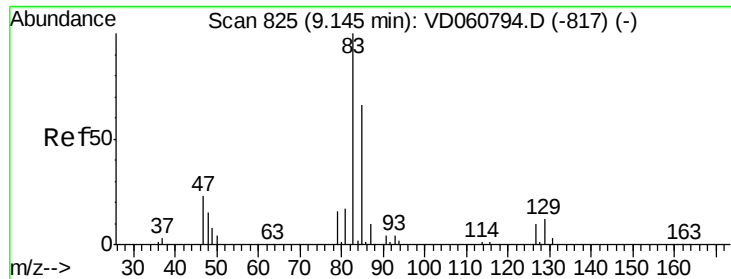
20000

0

Time-->

8.70 8.80 8.90





#47

Bromodichloromethane

Concen: 61.743 ug/l

RT: 9.12 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

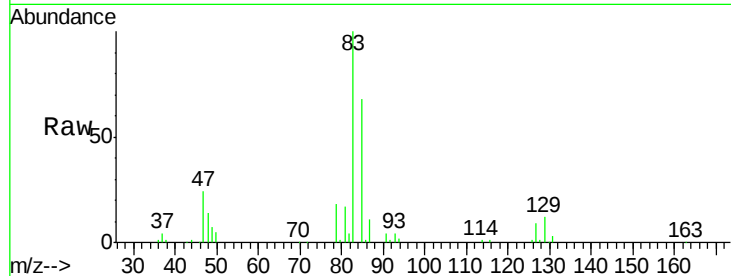
Tot Ion: 83 Resp: 381771

Ion Ratio Lower Upper

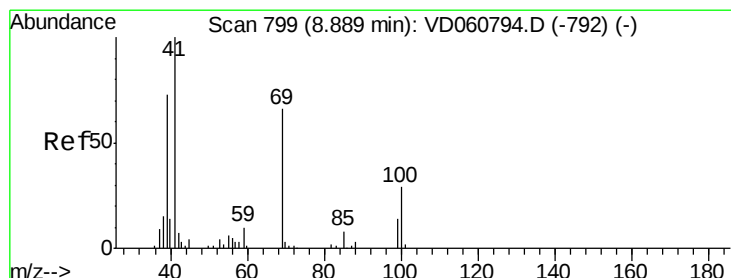
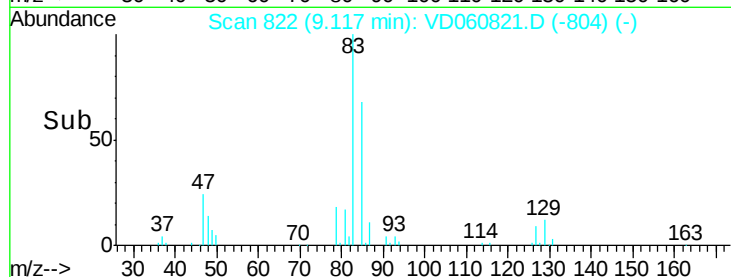
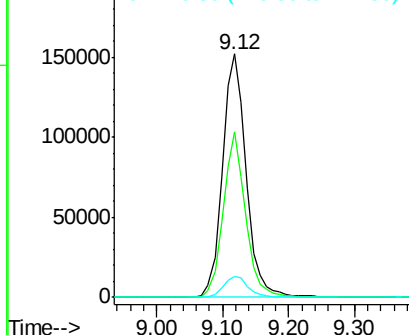
83 100

85 67.9 52.6 79.0

127 8.6 7.7 11.5



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



#48

Methyl methacrylate

Concen: 79.850 ug/l

RT: 8.86 min Scan# 796

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

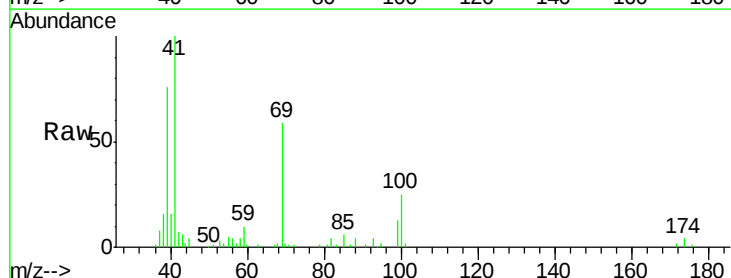
Tgt Ion: 41 Resp: 177069

Ion Ratio Lower Upper

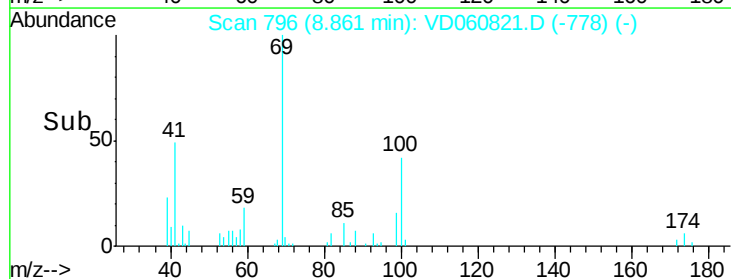
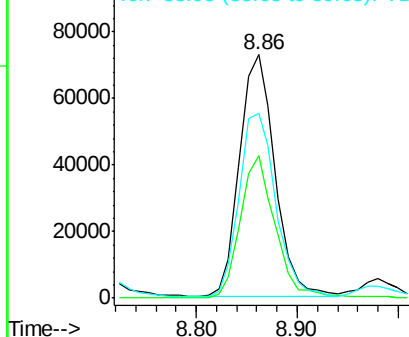
41 100

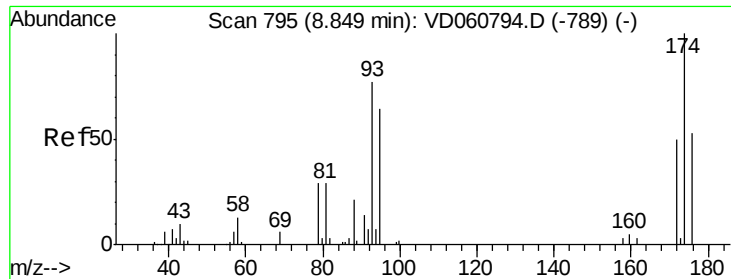
69 58.6 52.5 78.7

39 76.0 59.0 88.6



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

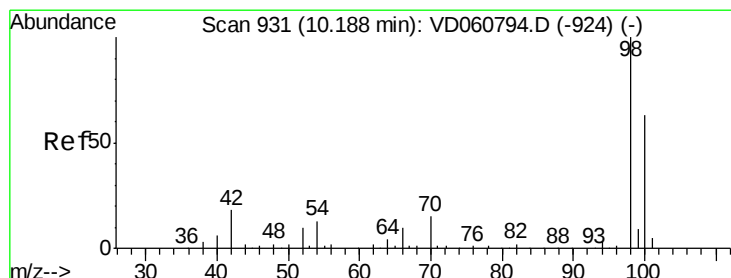
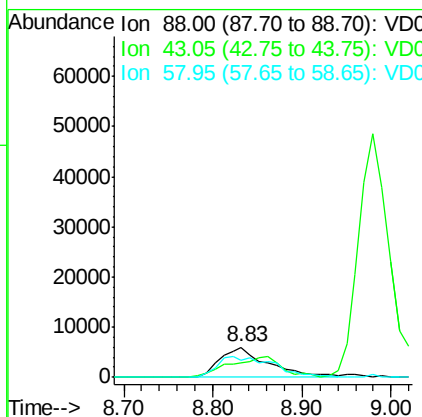
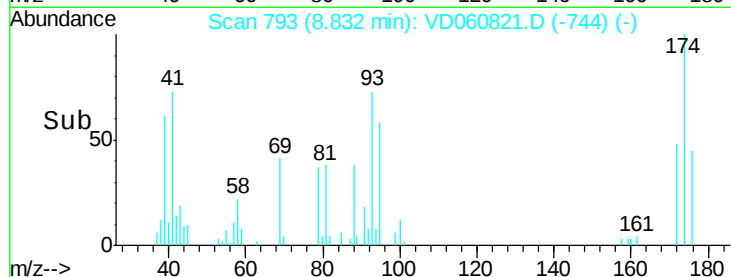
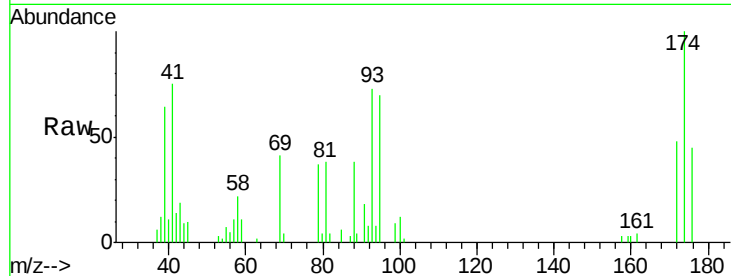




#49
1,4-Dioxane
Concen: 1171.063 ug/l
RT: 8.83 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

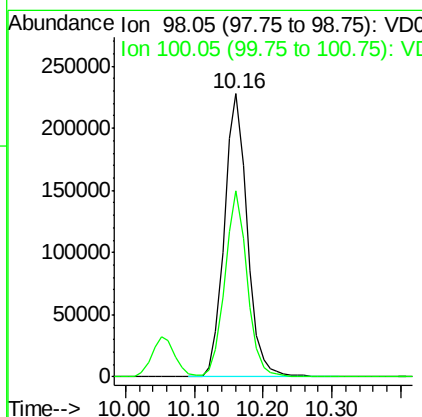
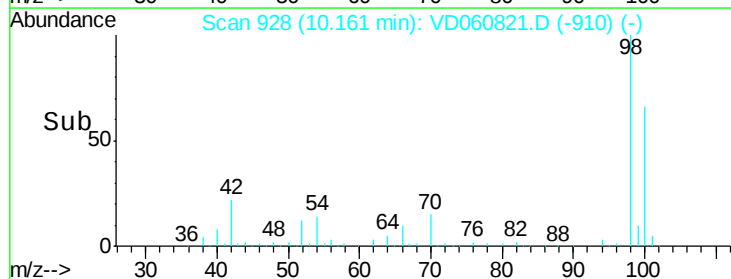
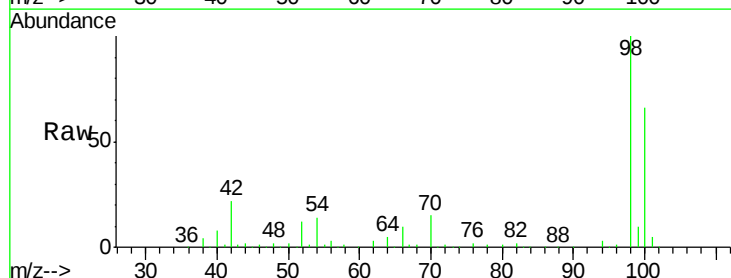
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

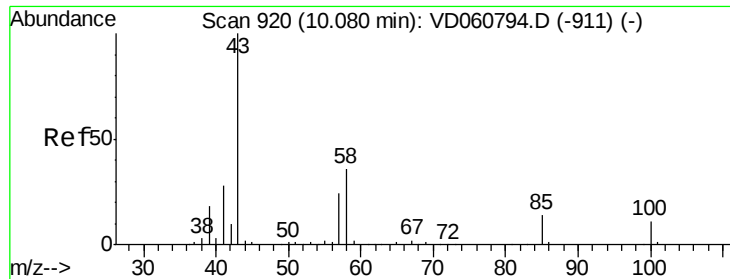
Tot Ion: 88 Resp: 22620
Ion Ratio Lower Upper
88 100
43 48.8 40.9 61.3
58 57.6 52.2 78.4



#50
Toluene-d8
Concen: 1171.063 ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 98 Resp: 523906
Ion Ratio Lower Upper
98 100
100 65.9 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 357.170 ug/l

RT: 10.05 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

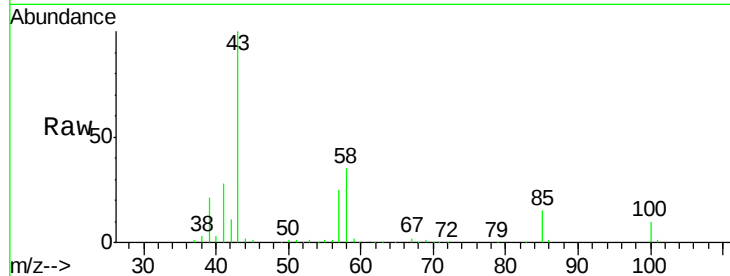
A0C17-SSIMS

Tot Ion: 43 Resp: 743794

Ion Ratio Lower Upper

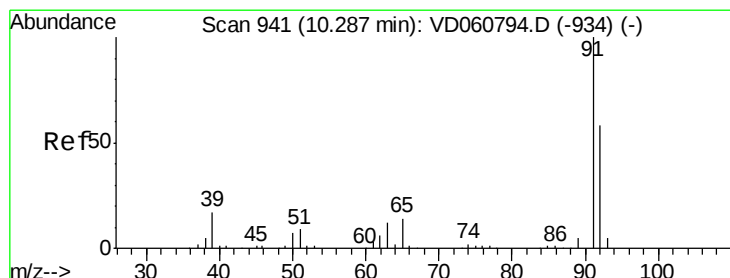
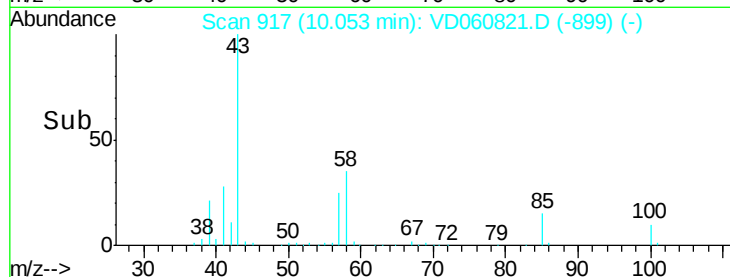
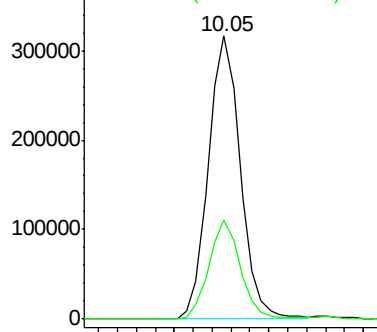
43 100

58 35.2 28.4 42.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.491 ug/l

RT: 10.26 min Scan# 938

Delta R.T. -0.03 min

Lab File: VD060821.D

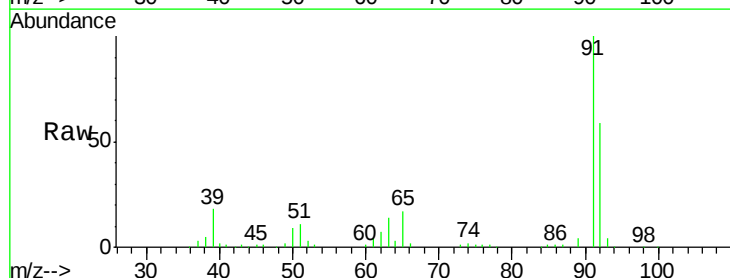
Acq: 1 Feb 2019 16:07

Tgt Ion: 92 Resp: 328387

Ion Ratio Lower Upper

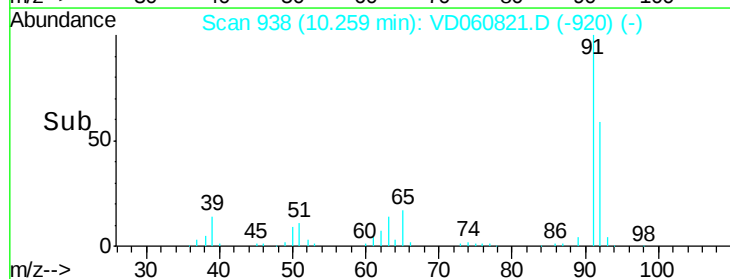
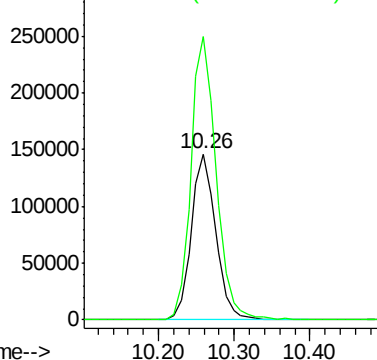
92 100

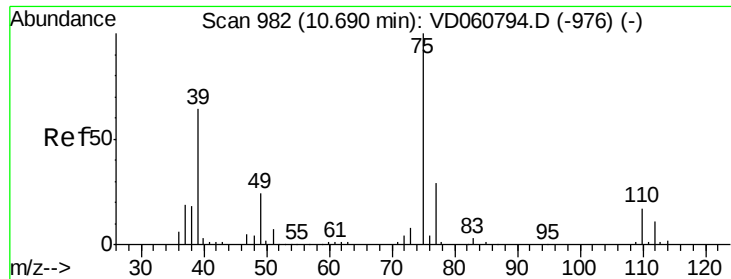
91 170.3 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

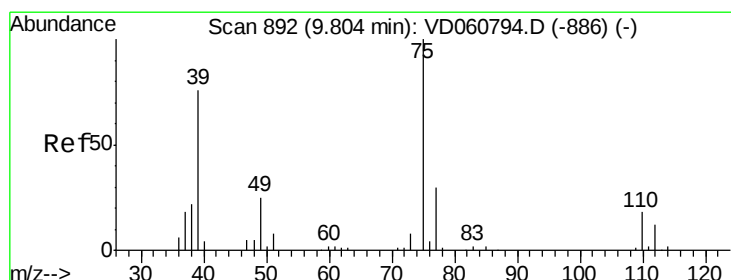
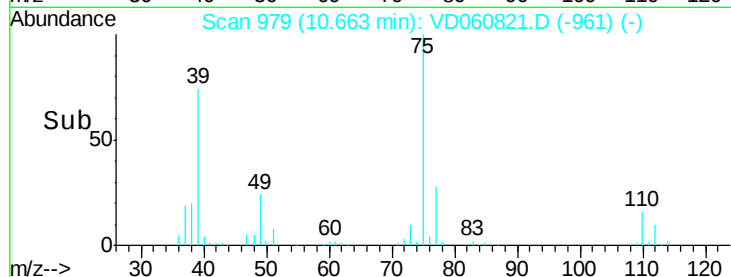
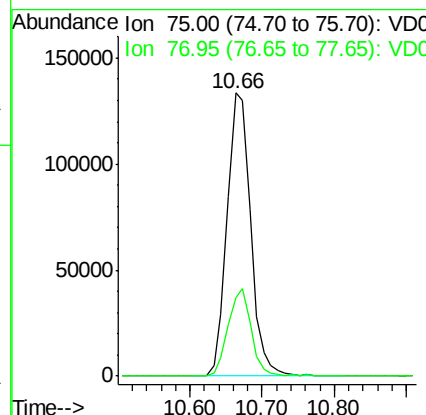
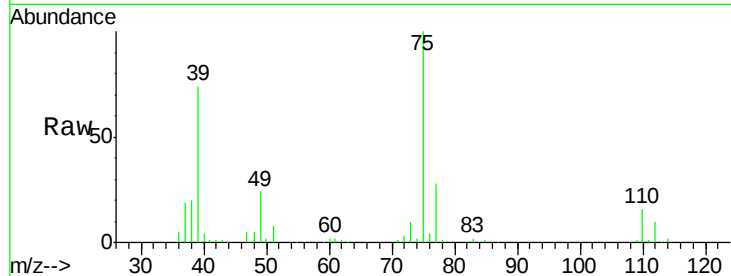




#53
 t-1,3-Dichloropropene
 Concen: 55.706 ug/l
 RT: 10.66 min Scan# 979
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

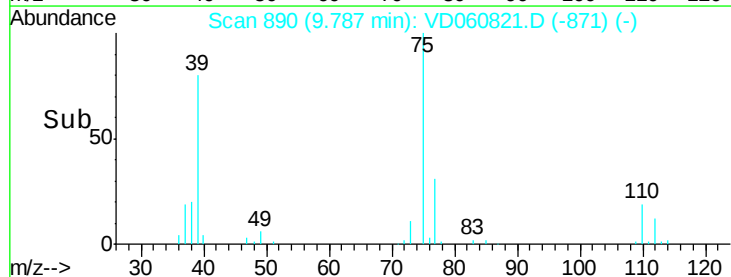
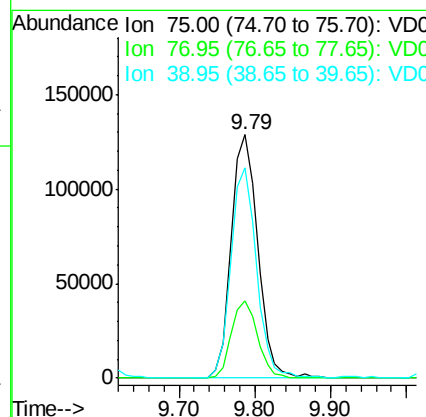
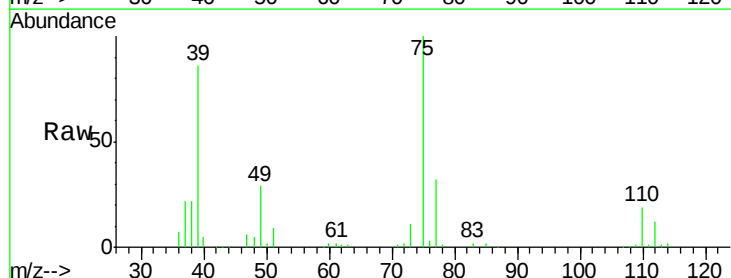
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

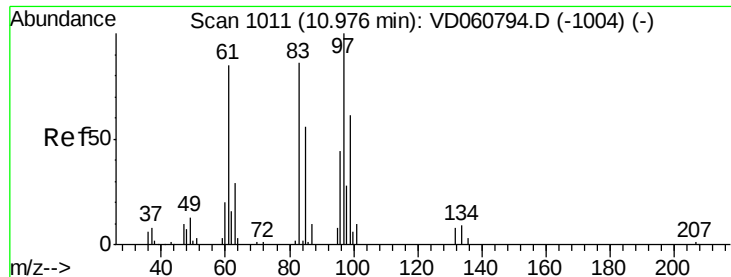
Tot Ion: 75 Resp: 302978
 Ion Ratio Lower Upper
 75 100
 77 27.5 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 55.934 ug/l
 RT: 9.79 min Scan# 890
 Delta R.T. -0.02 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion: 75 Resp: 311965
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.9 35.9
 39 86.2 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 60.274 ug/l

RT: 10.95 min Scan# 1008

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 97 Resp: 142098

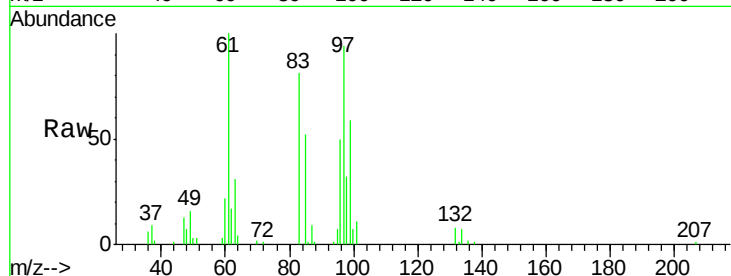
Ion Ratio Lower Upper

97 100

83 85.8 68.5 102.7

85 55.5 45.0 67.6

99 62.8 49.0 73.4

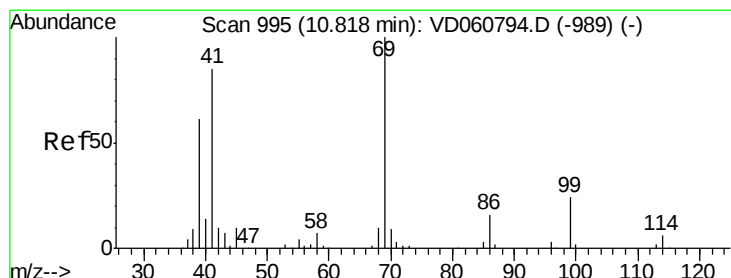
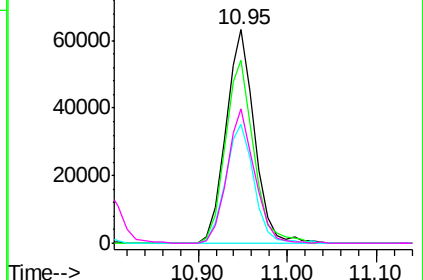
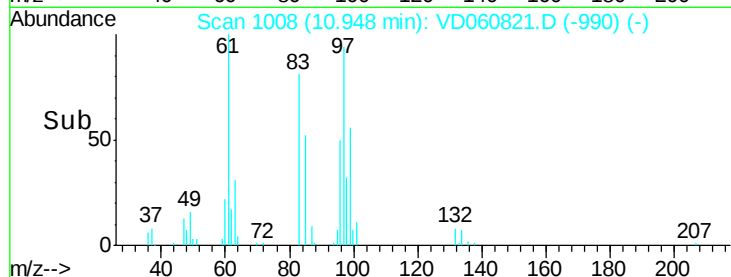


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 45.034 ug/l

RT: 10.80 min Scan# 993

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

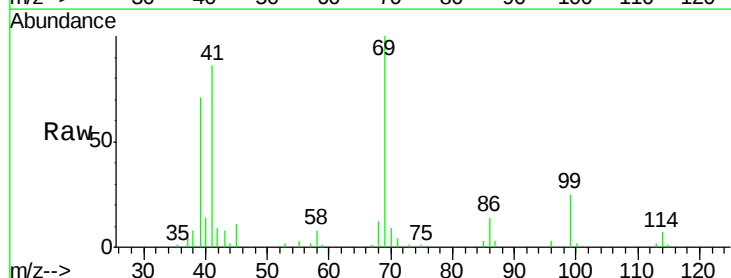
Tgt Ion: 69 Resp: 128613

Ion Ratio Lower Upper

69 100

41 86.4 68.2 102.2

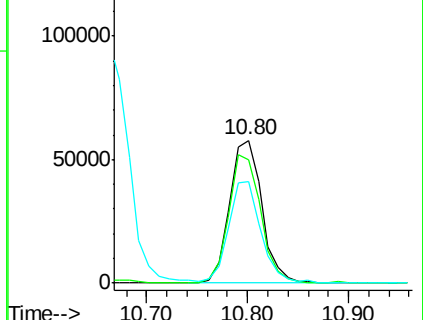
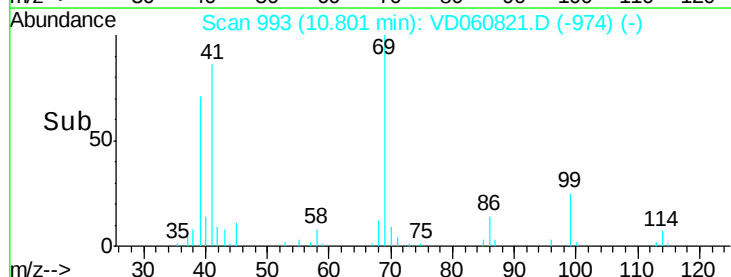
39 71.2 49.4 74.0

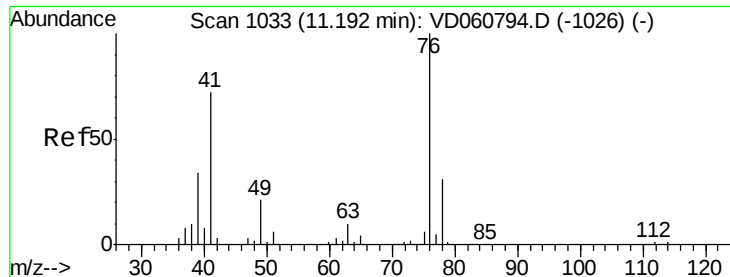


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

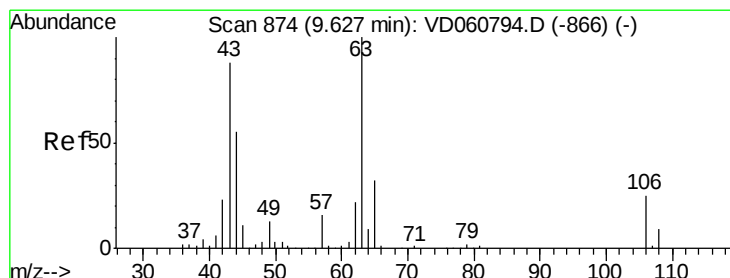
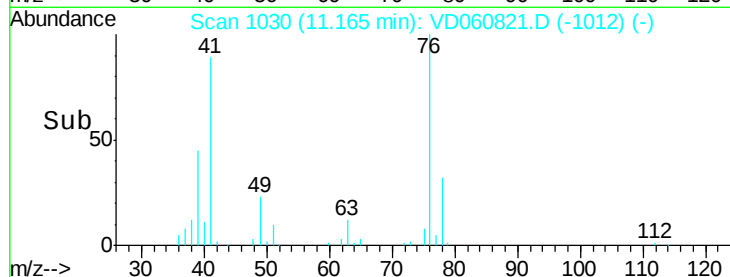
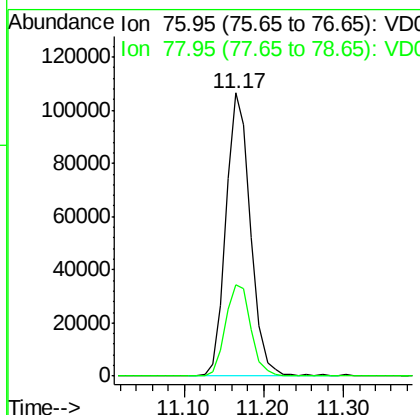
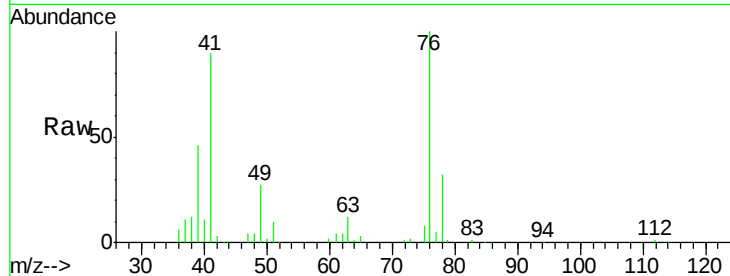




#57
 1,3-Dichloropropane
 Concen: 56.958 ug/l
 RT: 11.17 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

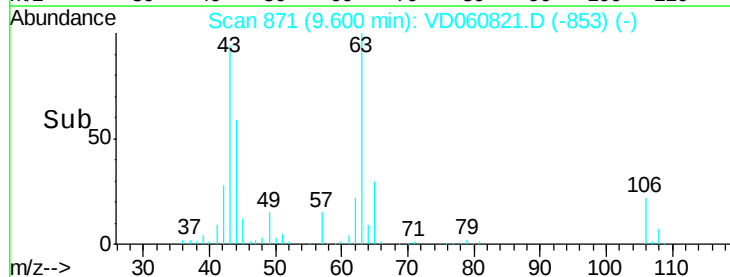
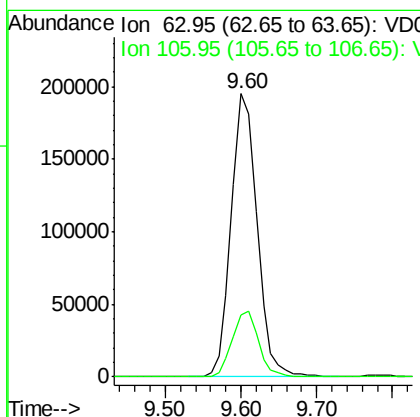
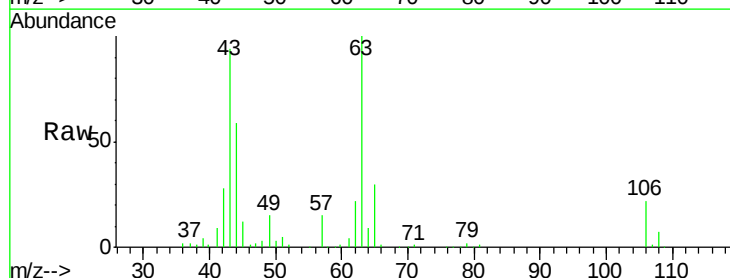
Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

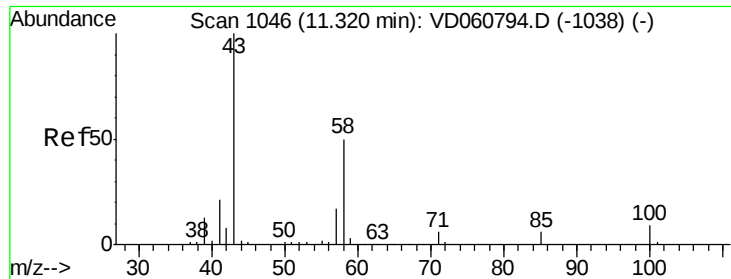
Tot Ion: 76 Resp: 229493
 Ion Ratio Lower Upper
 76 100
 78 32.1 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 307.852 ug/l
 RT: 9.60 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion: 63 Resp: 461311
 Ion Ratio Lower Upper
 63 100
 106 22.0 19.9 29.9

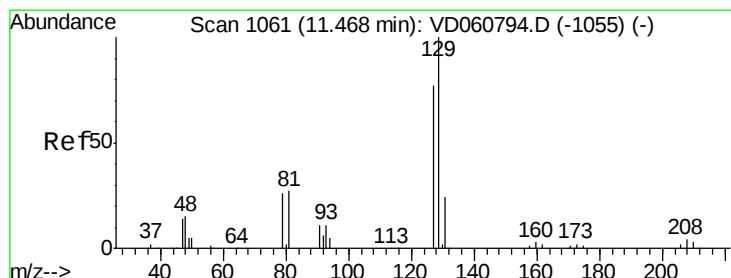
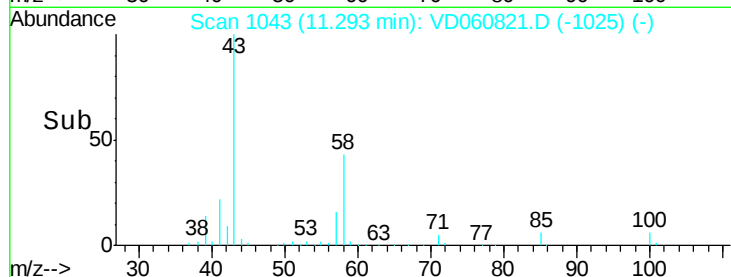
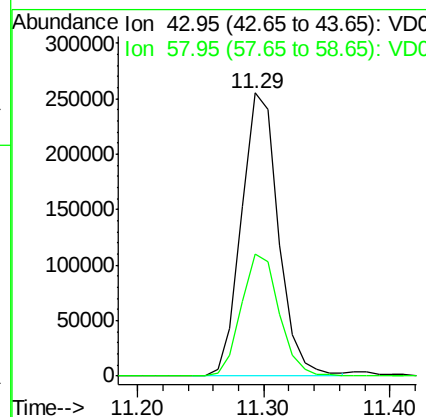
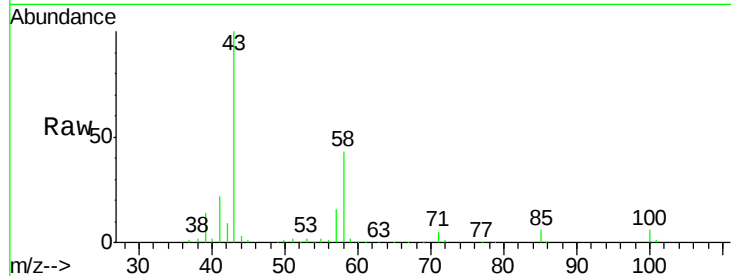




#59
2-Hexanone
Concen: 331.063 ug/l
RT: 11.29 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

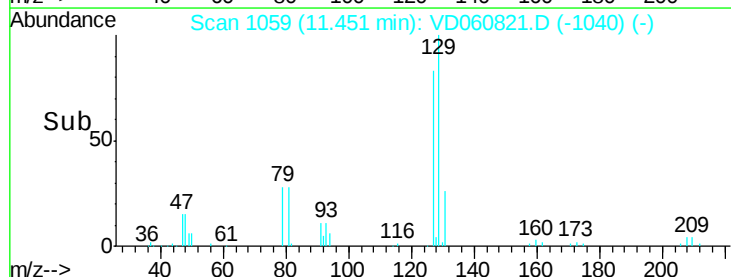
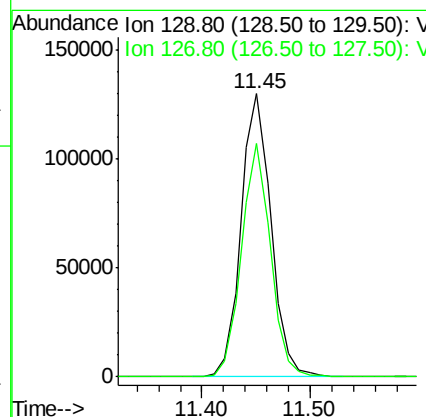
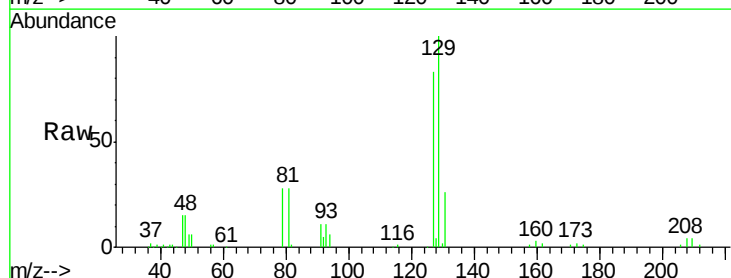
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

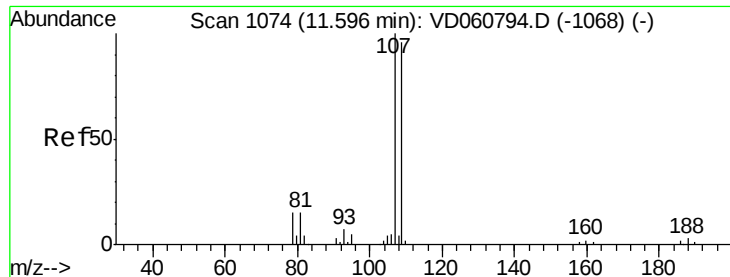
Tot Ion: 43 Resp: 518380
Ion Ratio Lower Upper
43 100
58 43.4 25.0 75.0



#60
Dibromochloromethane
Concen: 58.903 ug/l
RT: 11.45 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 129 Resp: 249652
Ion Ratio Lower Upper
129 100
127 82.6 38.6 115.7





#61

1,2-Dibromoethane

Concen: 61.844 ug/l

RT: 11.57 min Scan# 1071

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

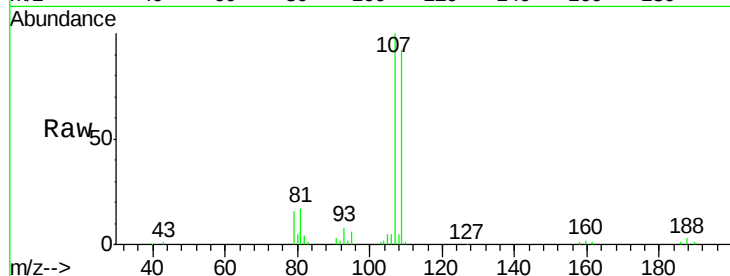
A0C17-SSIMS

Tot Ion:107 Resp: 171709

Ion Ratio Lower Upper

107 100

109 91.7 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.57

100000

80000

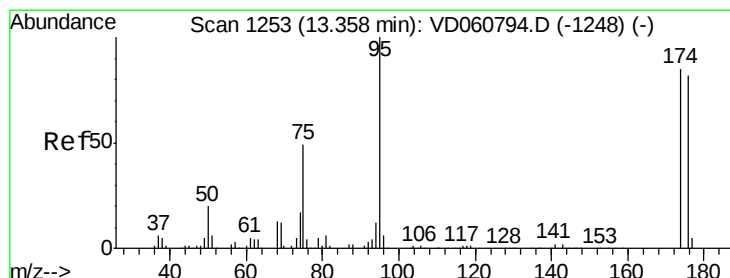
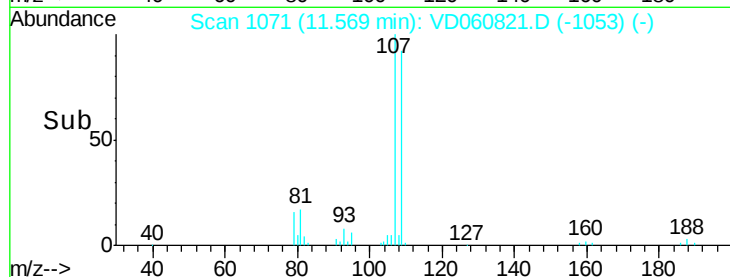
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 61.844 ug/l

RT: 13.34 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

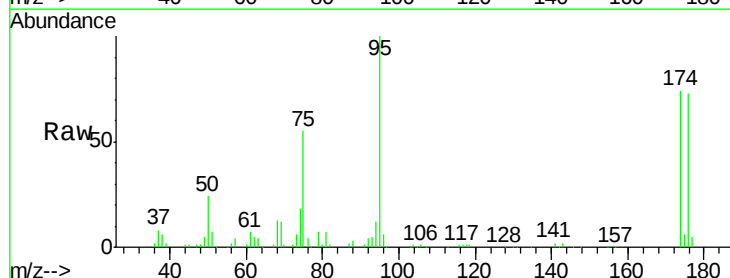
Tgt Ion: 95 Resp: 196420

Ion Ratio Lower Upper

95 100

174 73.6 0.0 169.6

176 72.5 0.0 163.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

200000

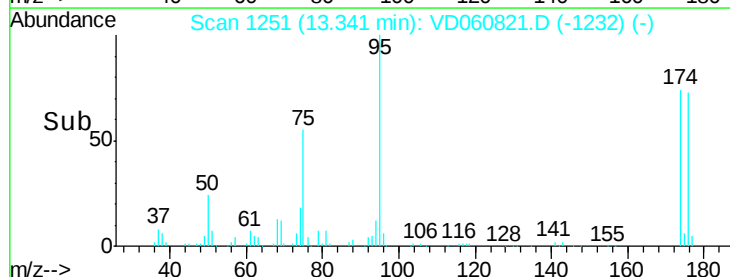
150000

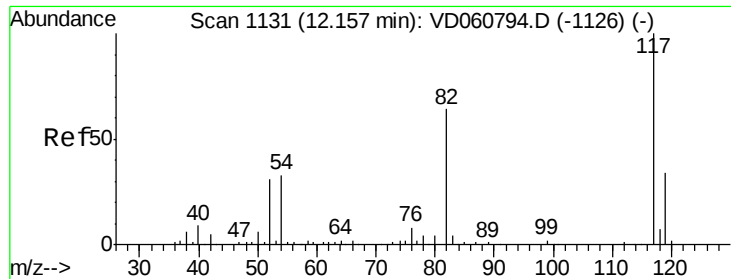
100000

50000

0

Time-->

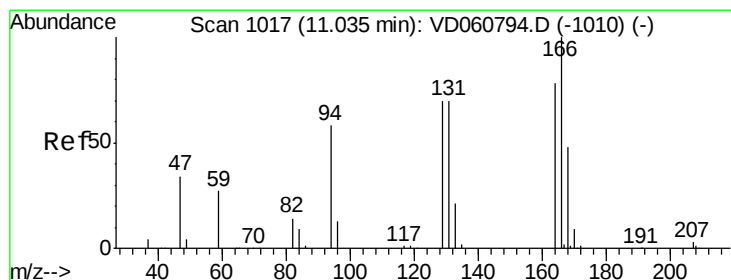
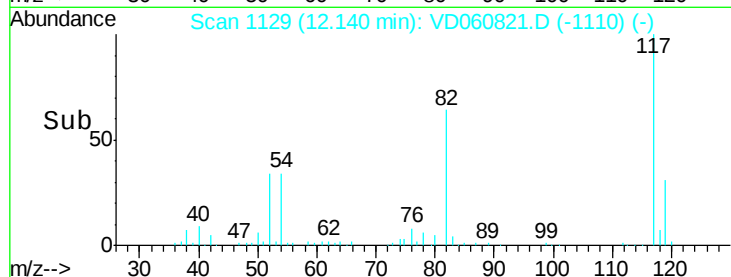
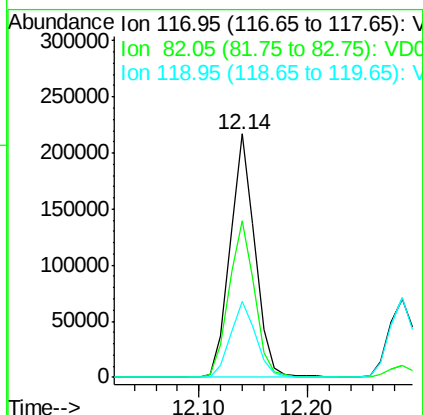
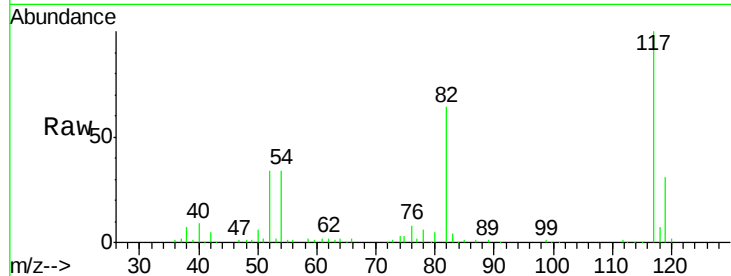




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

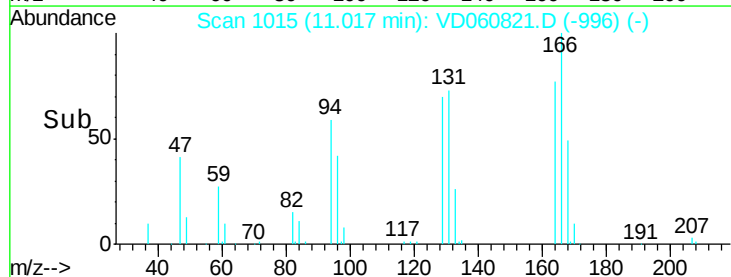
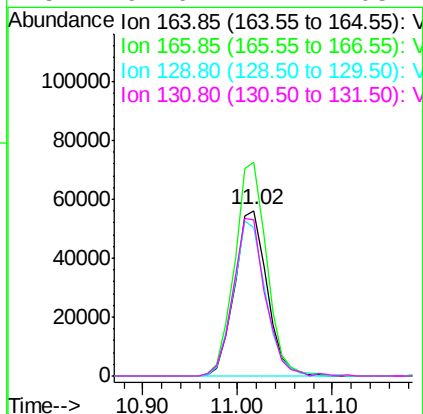
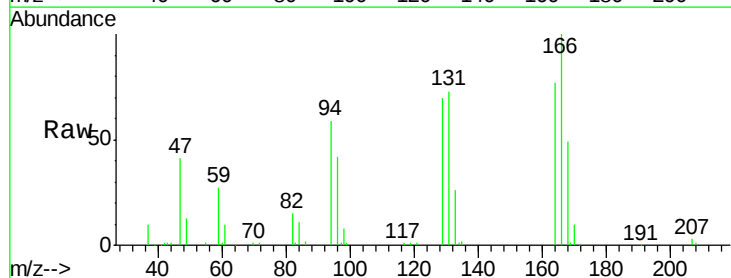
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

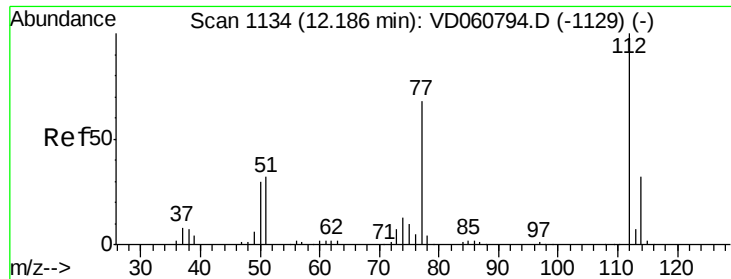
Tot Ion:117 Resp: 347149
Ion Ratio Lower Upper
117 100
82 64.1 51.5 77.3
119 31.1 27.1 40.7



#64
Tetrachloroethene
Concen: 41.722 ug/l
RT: 11.02 min Scan# 1015
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion:164 Resp: 132925
Ion Ratio Lower Upper
164 100
166 129.3 102.6 154.0
129 89.9 72.3 108.5
131 94.6 72.1 108.1

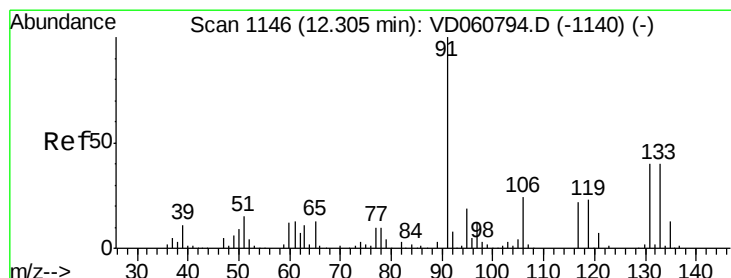
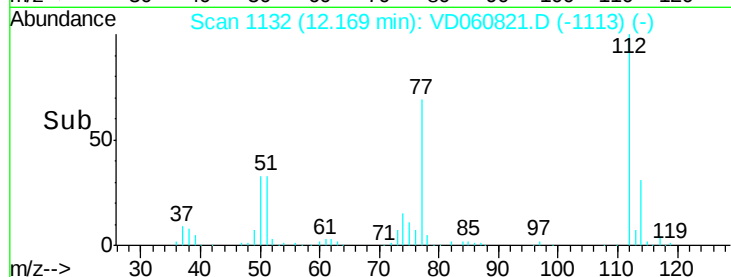
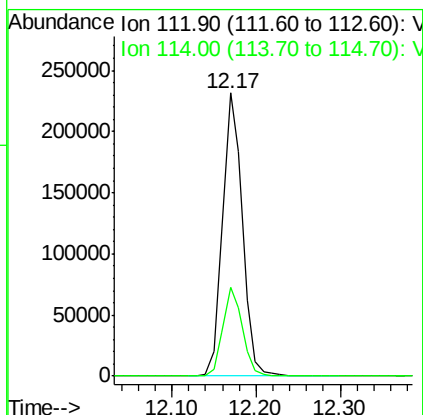
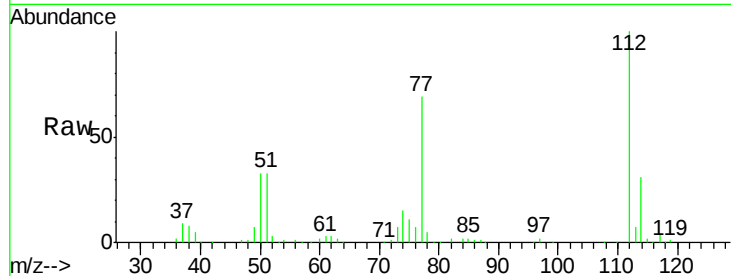




#65
Chlorobenzene
Concen: 47.641 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

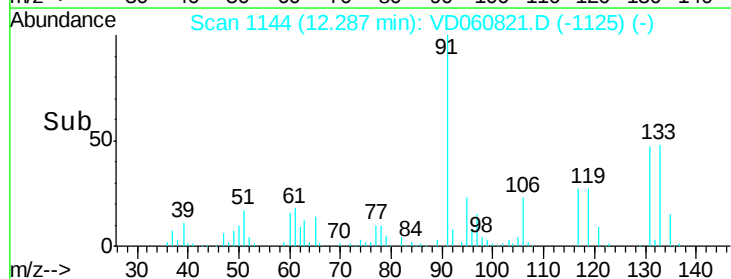
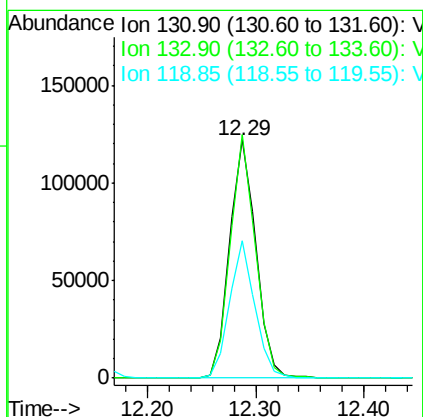
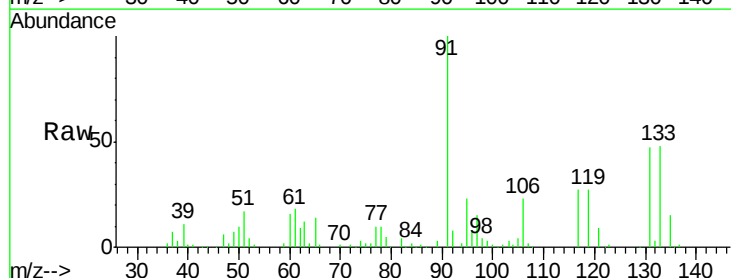
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

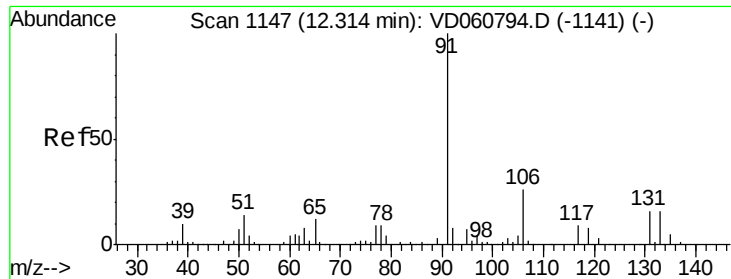
Tot Ion:112 Resp: 377946
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 60.701 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion:131 Resp: 206889
Ion Ratio Lower Upper
131 100
133 102.2 49.9 149.7
119 57.8 28.5 85.5





#67

Ethyl Benzene

Concen: 48.551 ug/l

RT: 12.30 min Scan# 1145

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

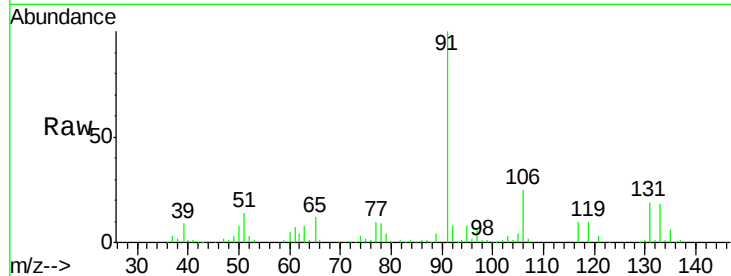
A0C17-SSIMS

Tot Ion: 91 Resp: 692600

Ion Ratio Lower Upper

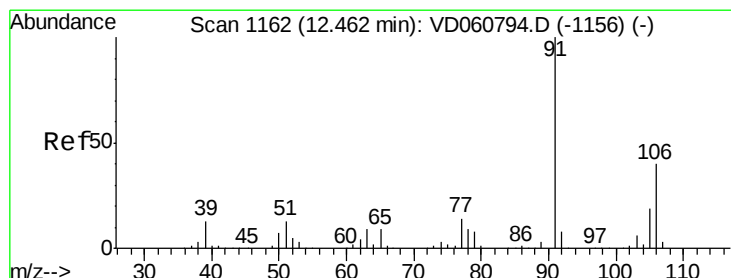
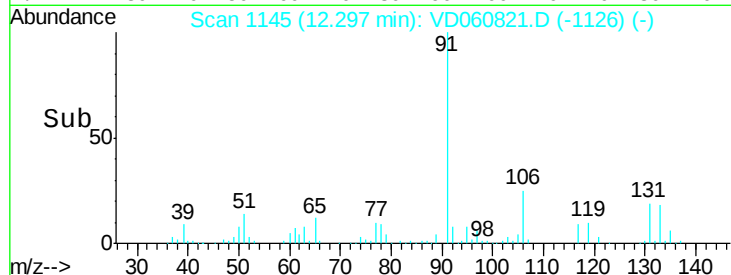
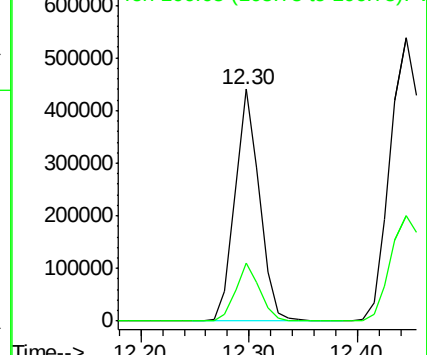
91 100

106 25.0 21.0 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 87.481 ug/l

RT: 12.44 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VD060821.D

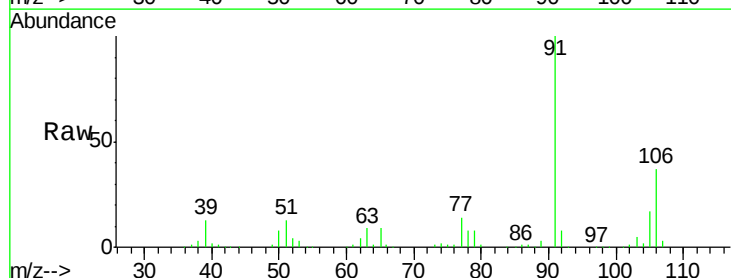
Acq: 1 Feb 2019 16:07

Tgt Ion: 106 Resp: 406009

Ion Ratio Lower Upper

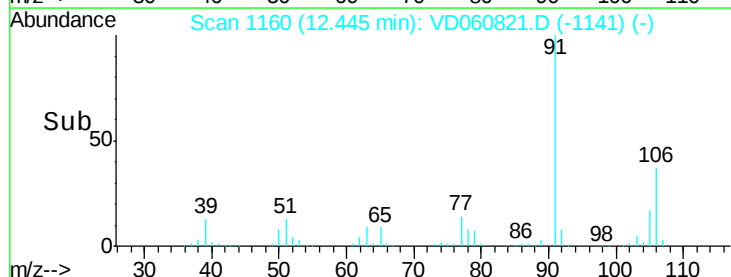
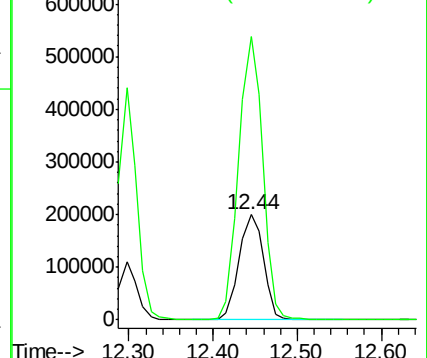
106 100

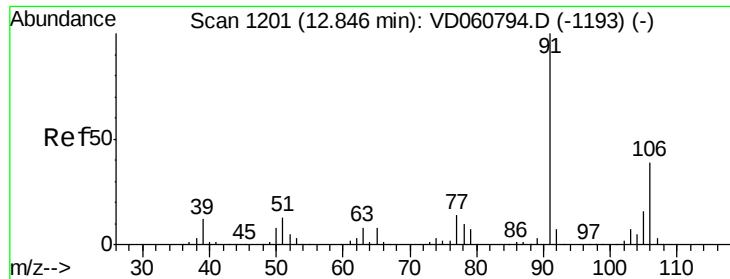
91 268.9 200.5 300.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

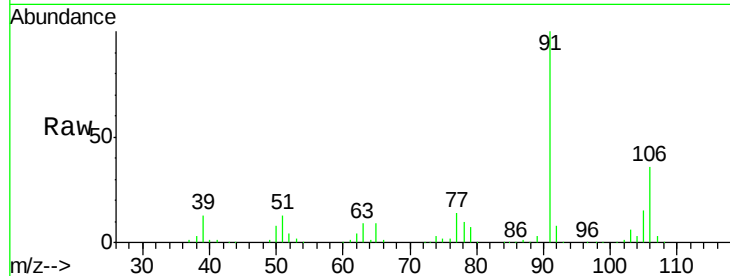




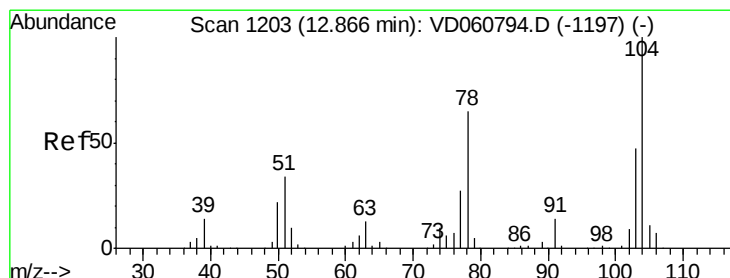
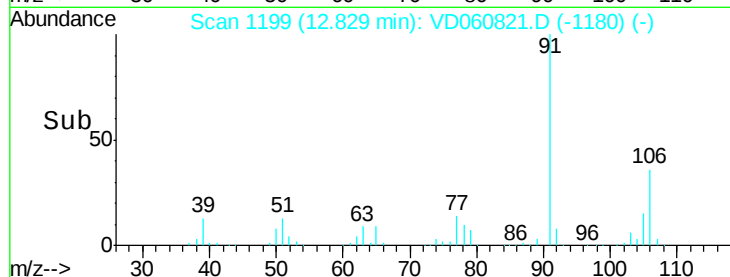
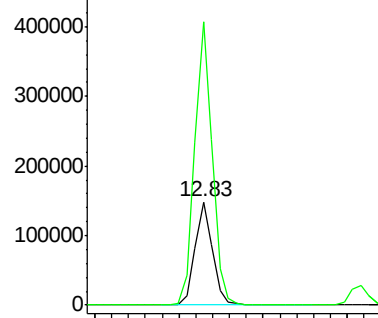
#69
o-Xylene
Concen: 46.502 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion:106 Resp: 213606
Ion Ratio Lower Upper
106 100
91 274.7 127.6 382.7

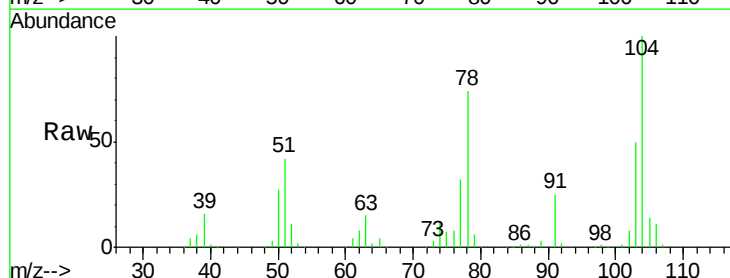


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

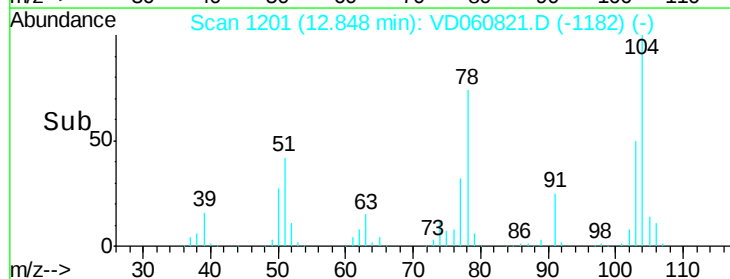
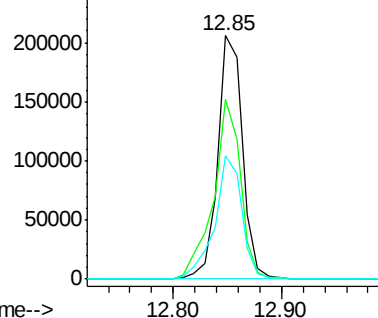


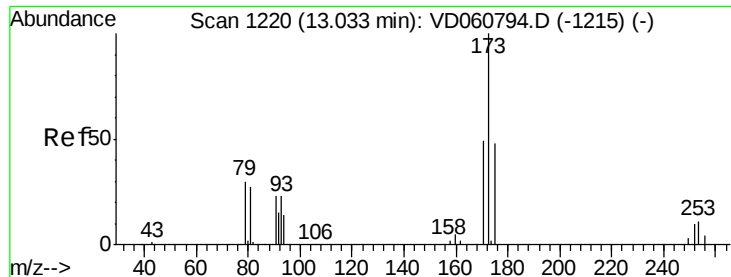
#70
Styrene
Concen: 42.135 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion:104 Resp: 324562
Ion Ratio Lower Upper
104 100
78 73.9 52.0 78.0
103 50.4 37.7 56.5



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

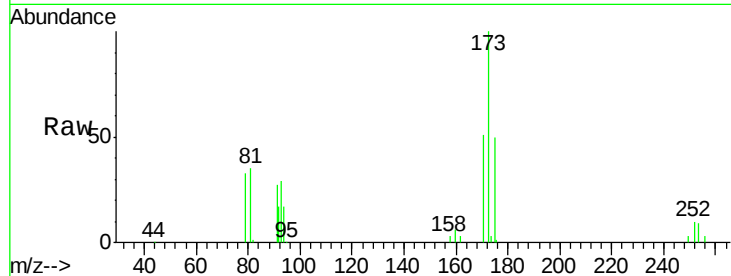




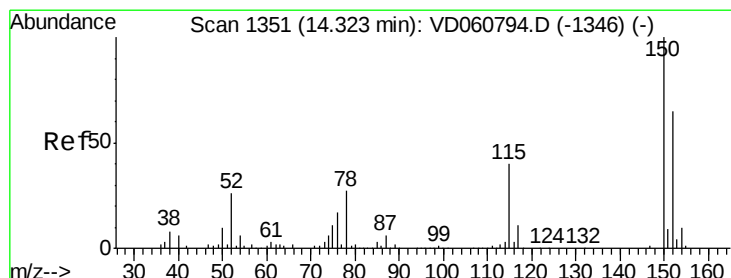
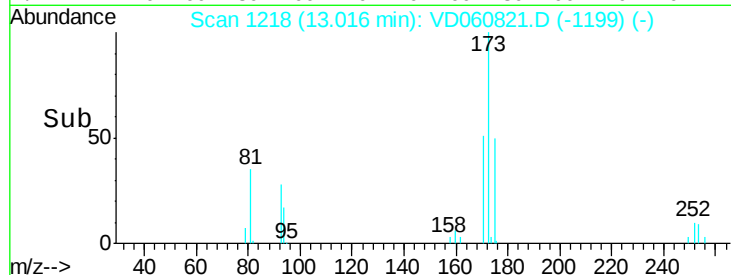
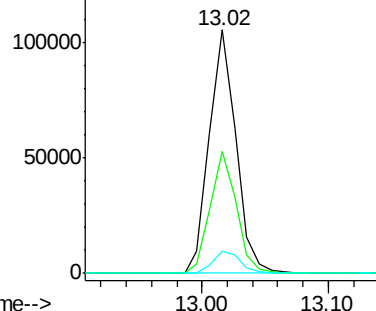
#71
Bromoform
Concen: 59.866 ug/l
RT: 13.02 min Scan# 1218
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion:173 Resp: 153732
Ion Ratio Lower Upper
173 100
175 50.2 24.1 72.4
254 9.3 9.1 13.7

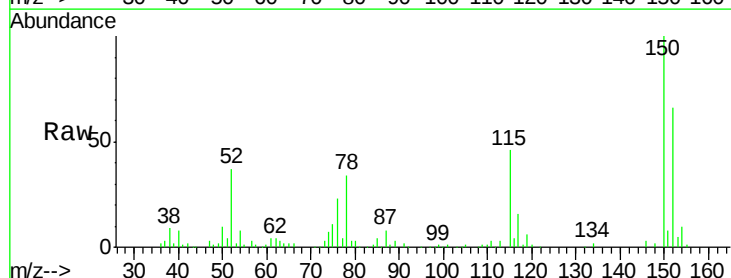


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

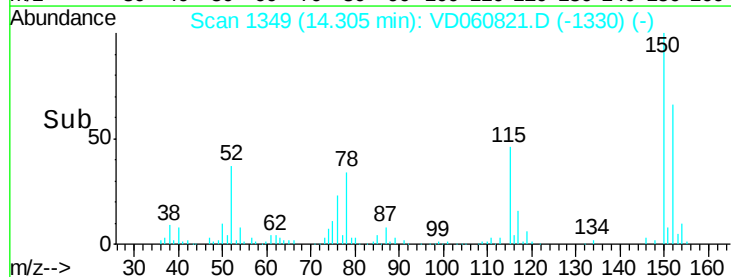
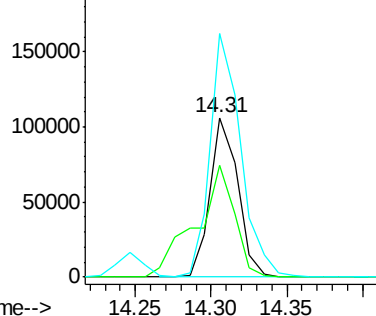


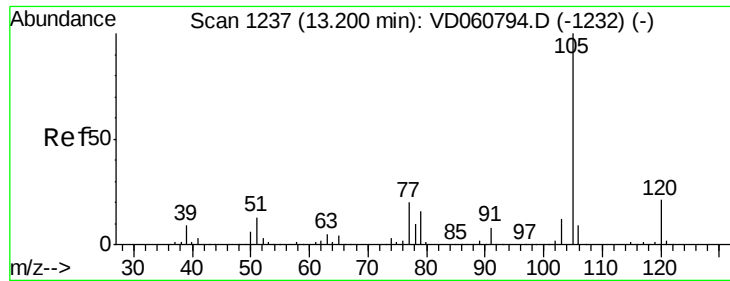
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.31 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion:152 Resp: 135243
Ion Ratio Lower Upper
152 100
115 70.0 31.6 95.0
150 152.5 0.0 317.6



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: 53.328 ug/l

RT: 13.18 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

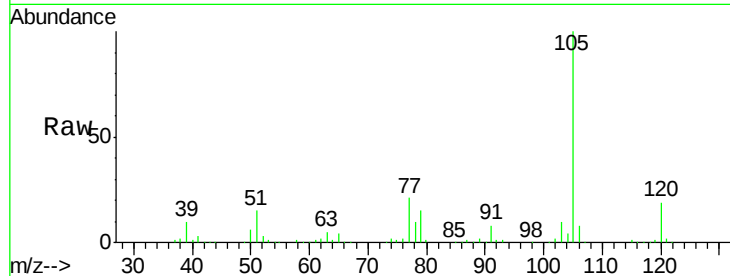
A0C17-SSIMS

Tot Ion:105 Resp: 575035

Ion Ratio Lower Upper

105 100

120 19.3 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.18

400000

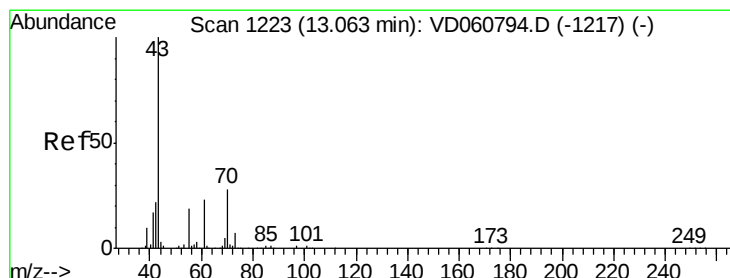
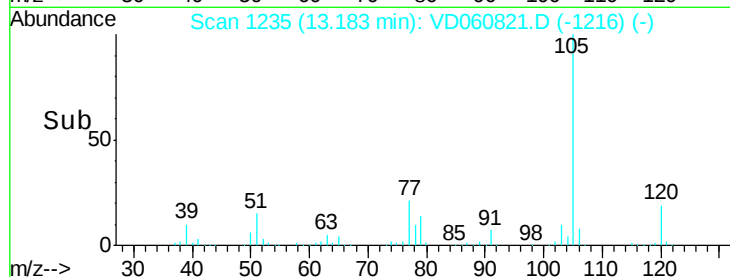
300000

200000

100000

0

Time--> 13.10 13.20 13.30



#74

N-ethyl acetate

Concen: 39.113 ug/l

RT: 13.05 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion: 43 Resp: 129658

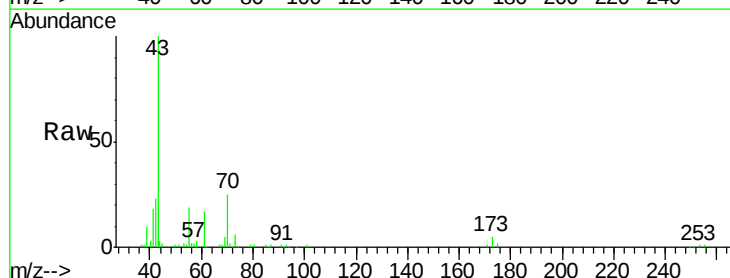
Ion Ratio Lower Upper

43 100

70 24.8 22.2 33.4

55 19.0 15.5 23.3

61 17.4 18.4 27.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

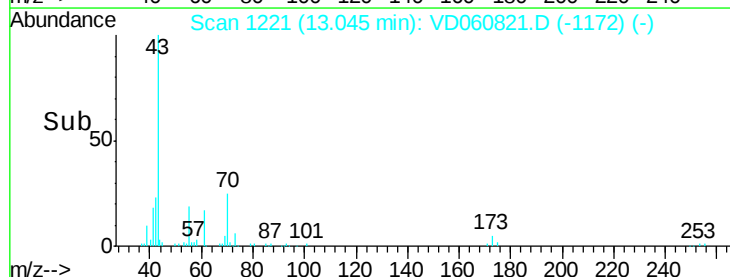
Ion 60.95 (60.65 to 61.65): VDC

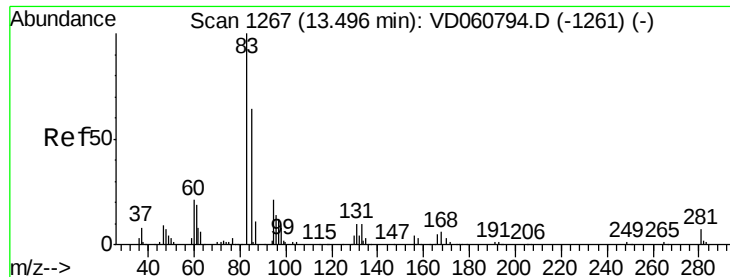
100000

50000

0

Time--> 13.00 13.10





#75

1,1,2,2-Tetrachloroethane

Concen: 79.509 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

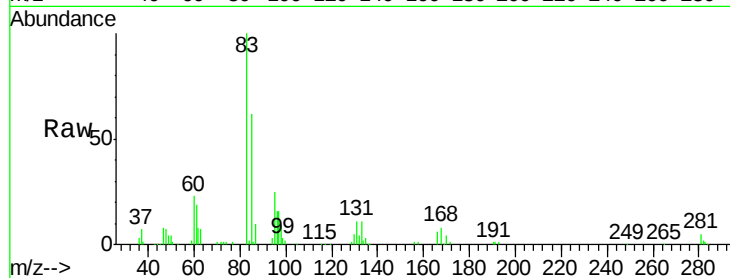
Tot Ion: 83 Resp: 156106

Ion Ratio Lower Upper

83 100

131 11.2 5.0 15.0

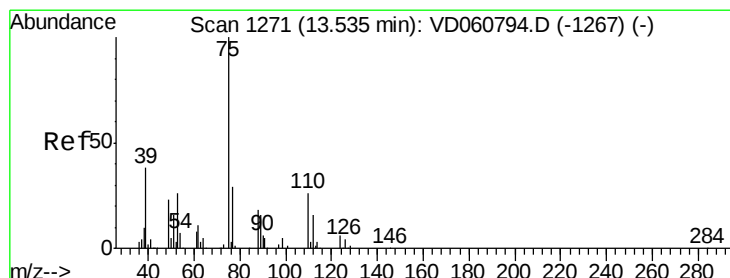
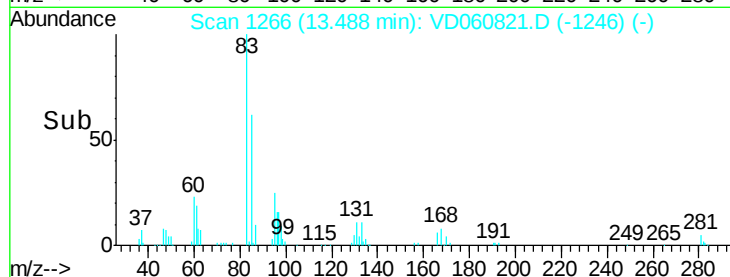
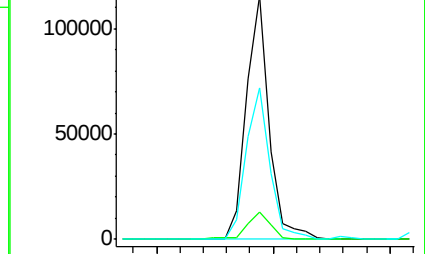
85 62.4 31.8 95.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 79.028 ug/l

RT: 13.52 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VD060821.D

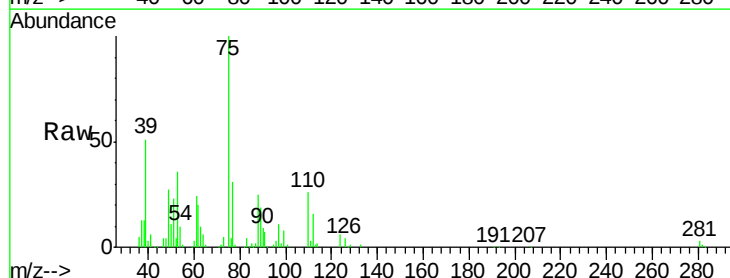
Acq: 1 Feb 2019 16:07

Tgt Ion: 75 Resp: 195992

Ion Ratio Lower Upper

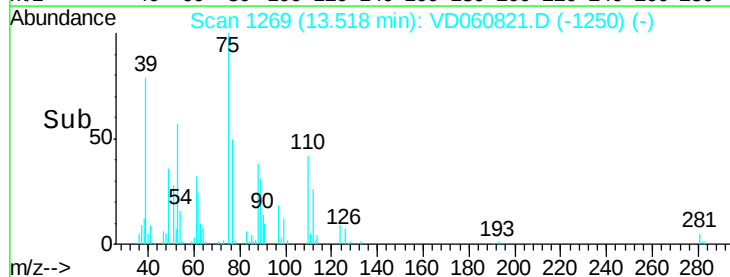
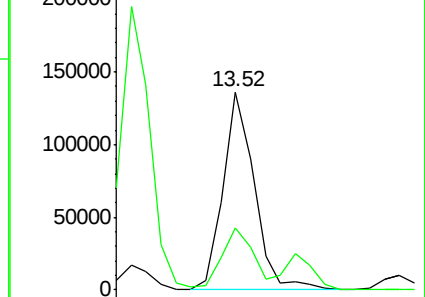
75 100

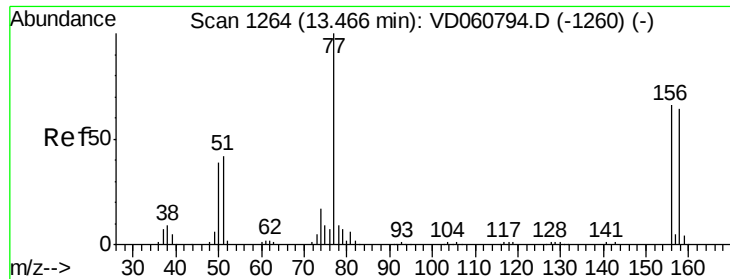
77 31.1 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.289 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

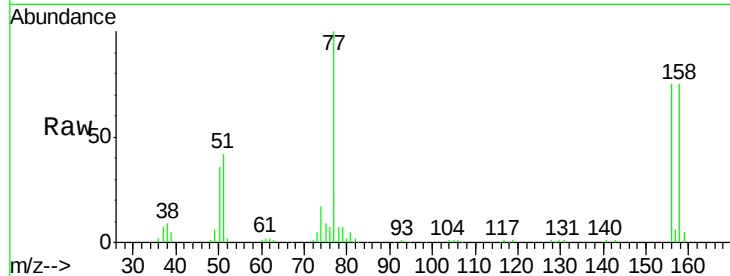
Tot Ion:156 Resp: 158798

Ion Ratio Lower Upper

156 100

77 133.6 76.0 228.0

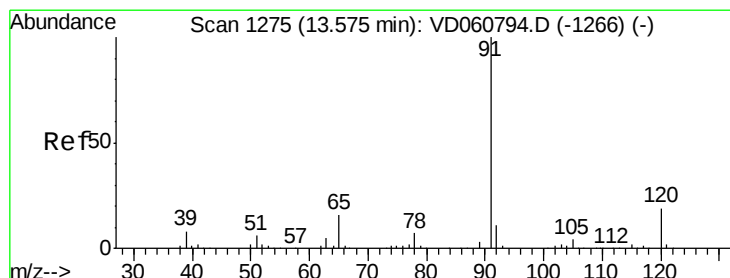
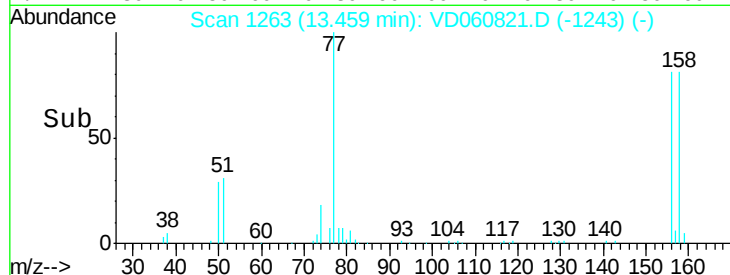
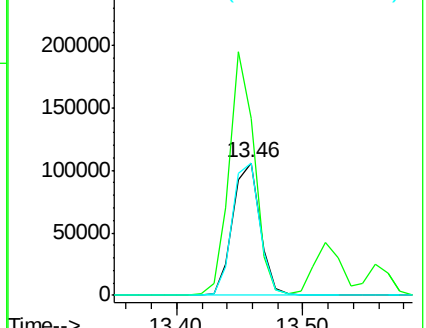
158 99.9 48.4 145.0



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: 48.855 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD060821.D

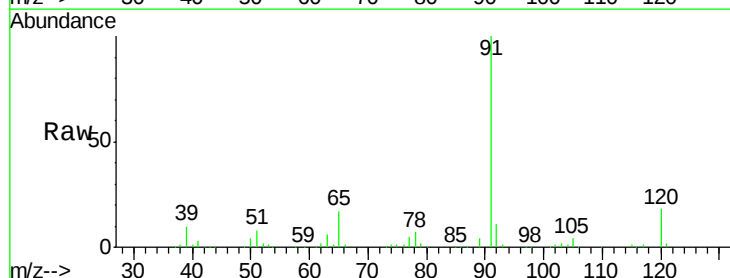
Acq: 1 Feb 2019 16:07

Tgt Ion: 91 Resp: 661324

Ion Ratio Lower Upper

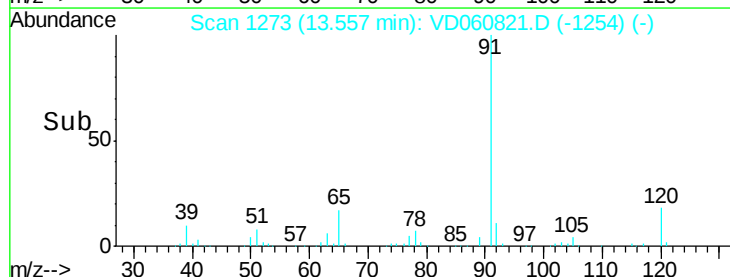
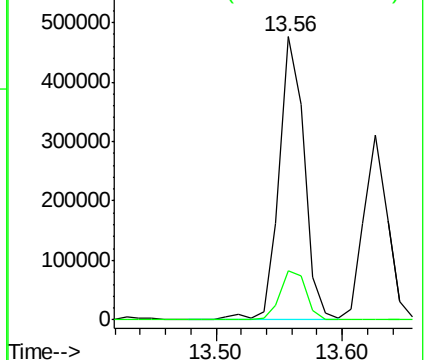
91 100

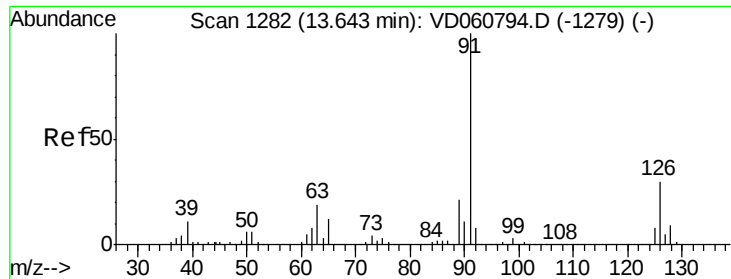
120 17.5 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

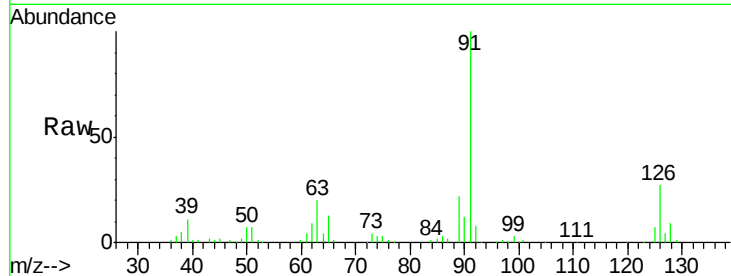




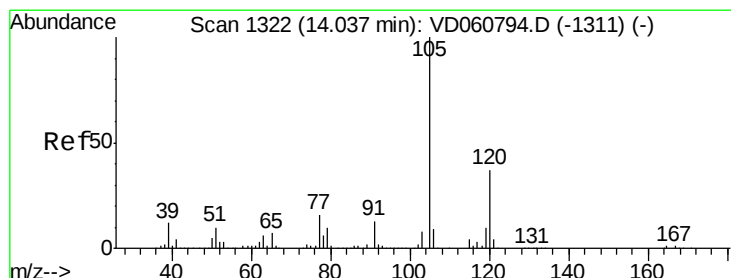
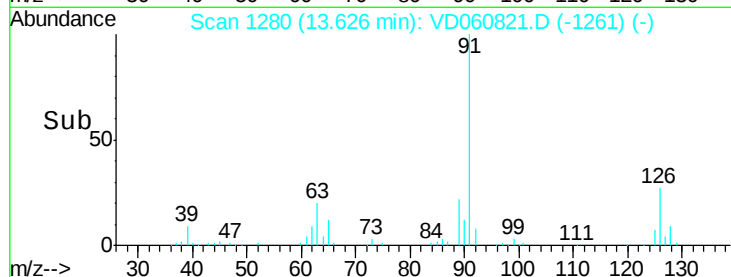
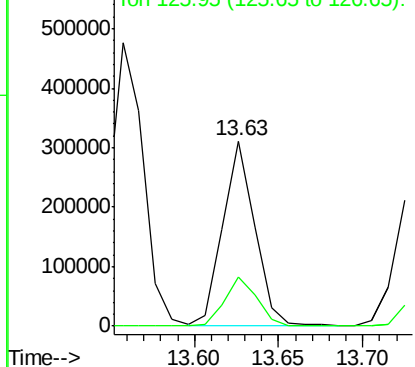
#79
2-Chlorotoluene
Concen: 49.866 ug/l
RT: 13.63 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 91 Resp: 411717
Ion Ratio Lower Upper
91 100
126 26.8 14.7 44.1

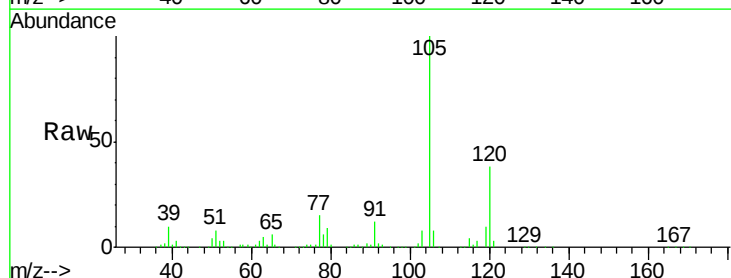


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

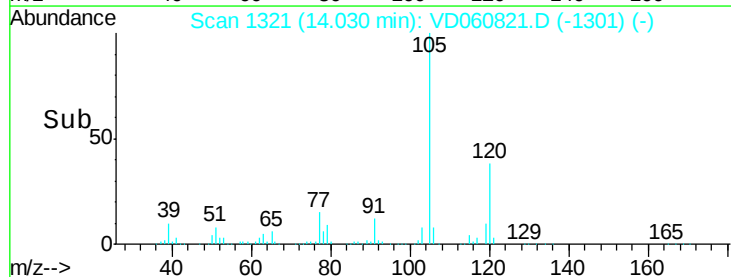
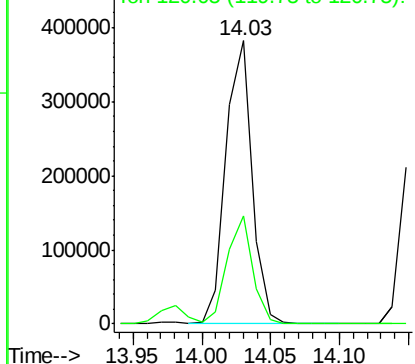


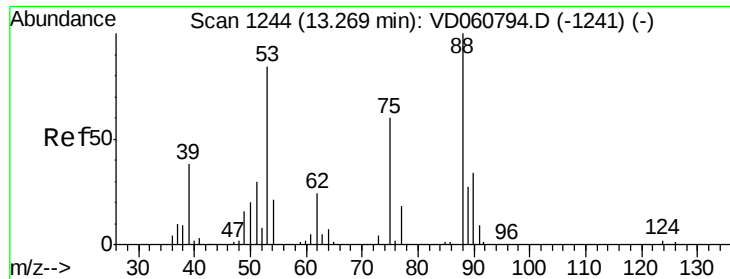
#80
1,3,5-Trimethylbenzene
Concen: 54.384 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 105 Resp: 504841
Ion Ratio Lower Upper
105 100
120 38.0 18.4 55.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 79.169 ug/l

RT: 13.26 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

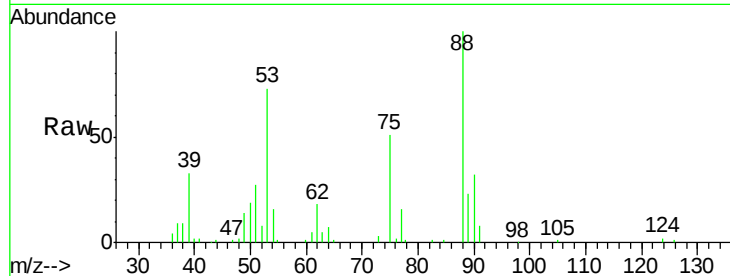
Tot Ion: 75 Resp: 51188

Ion Ratio Lower Upper

75 100

53 143.6 111.6 167.4

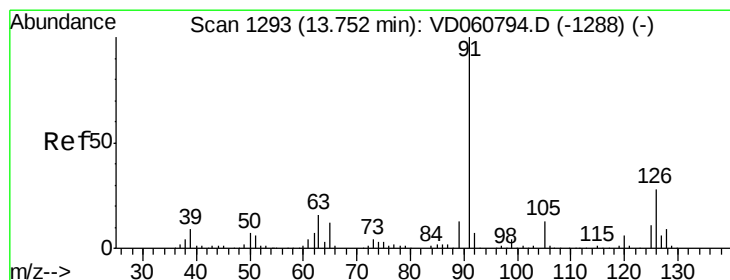
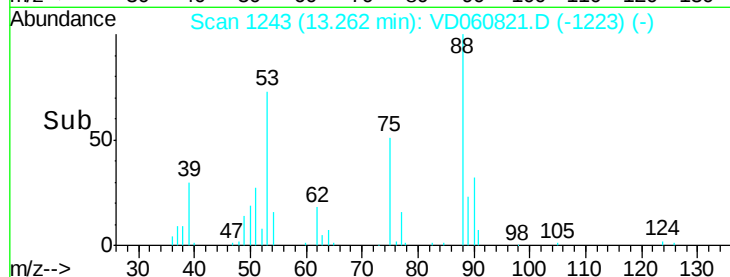
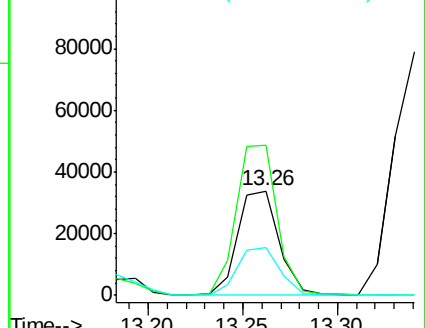
89 45.8 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.147 ug/l

RT: 13.73 min Scan# 1291

Delta R.T. -0.02 min

Lab File: VD060821.D

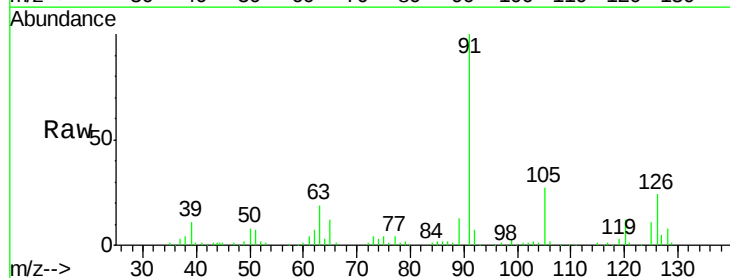
Acq: 1 Feb 2019 16:07

Tgt Ion: 91 Resp: 469336

Ion Ratio Lower Upper

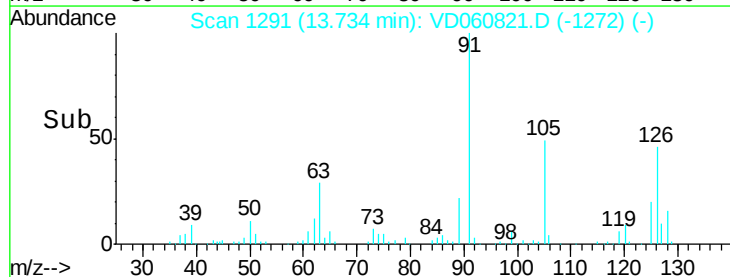
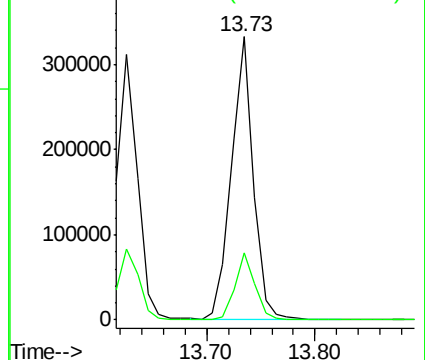
91 100

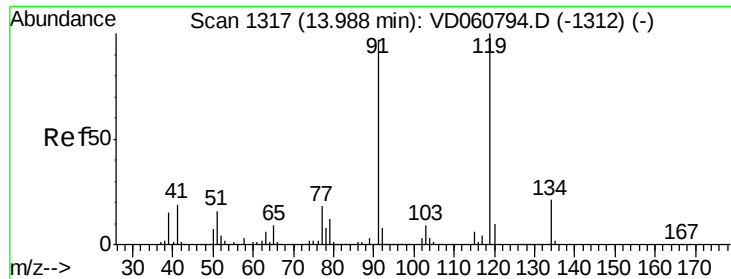
126 23.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

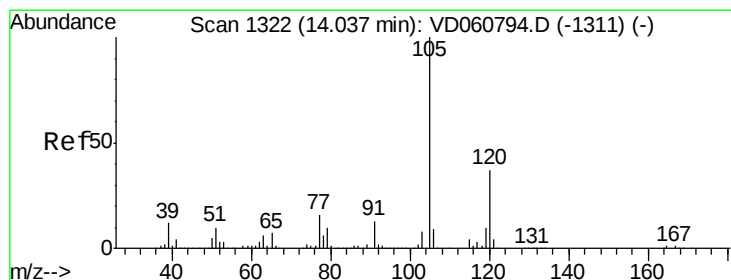
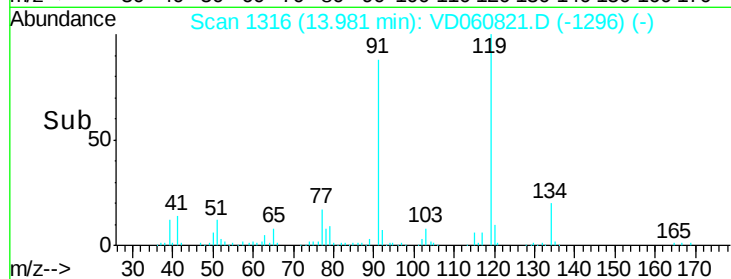
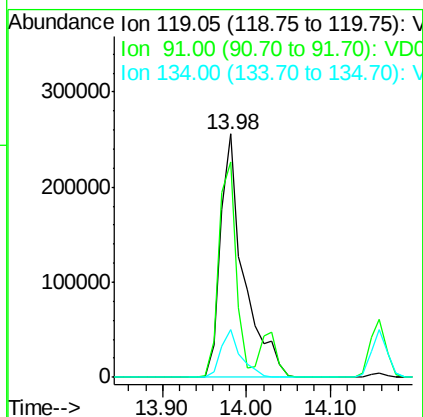
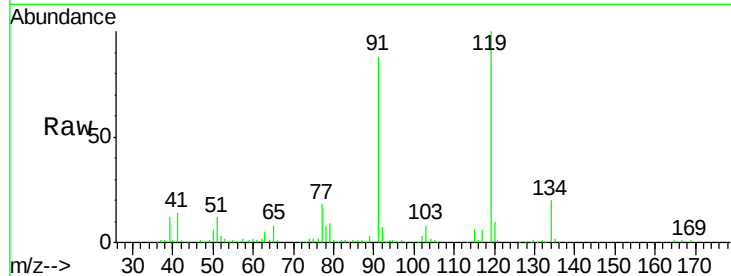




#83
tert-Butylbenzene
Concen: 50.591 ug/l
RT: 13.98 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

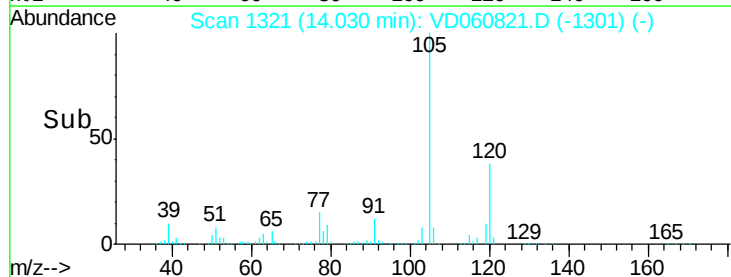
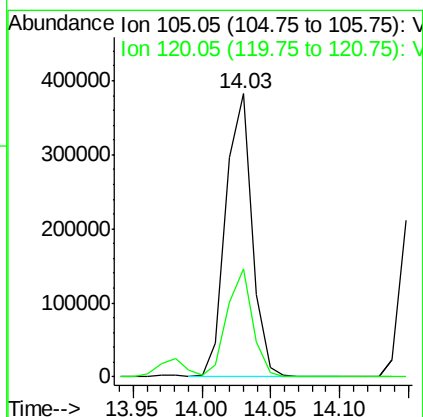
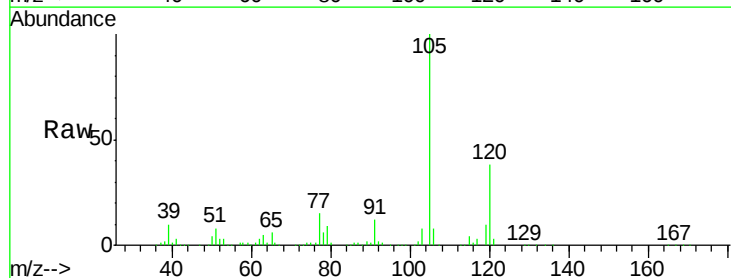
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

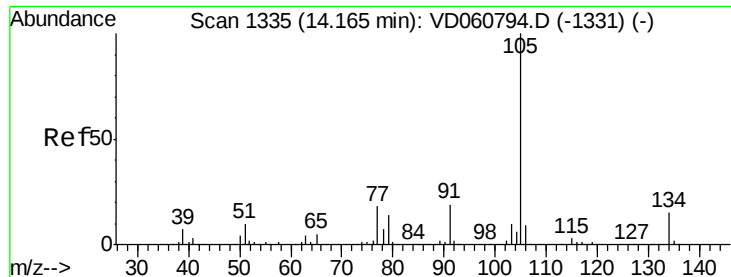
Tot Ion:119 Resp: 491346
Ion Ratio Lower Upper
119 100
91 88.5 48.5 145.5
134 19.8 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 54.384 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion:105 Resp: 504841
Ion Ratio Lower Upper
105 100
120 38.0 18.4 55.2





#85

sec-Butylbenzene

Concen: 38.240 ug/l

RT: 14.16 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

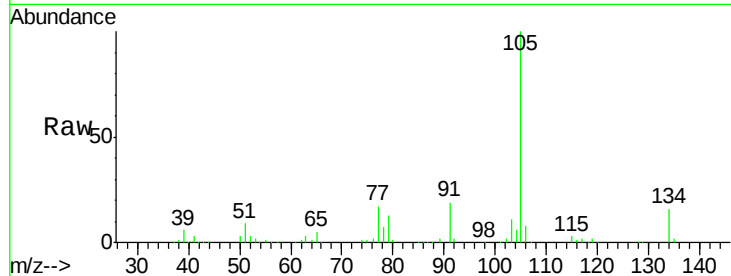
A0C17-SSIMS

Tot Ion:105 Resp: 422767

Ion Ratio Lower Upper

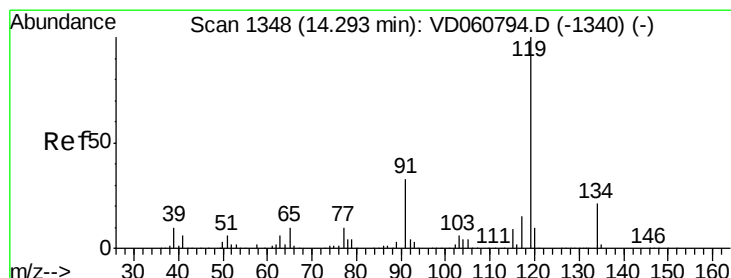
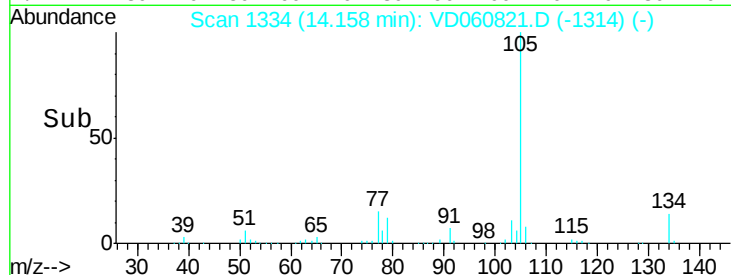
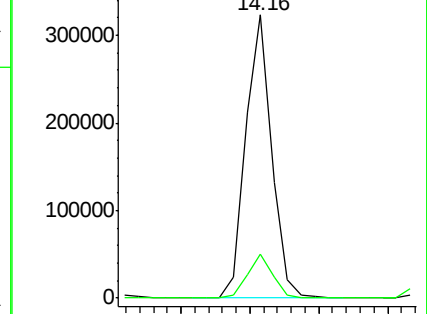
105 100

134 15.5 7.4 22.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.575 ug/l

RT: 14.29 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

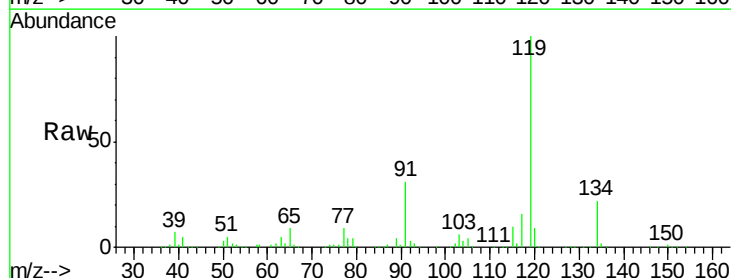
Tgt Ion:119 Resp: 471903

Ion Ratio Lower Upper

119 100

134 21.6 10.8 32.3

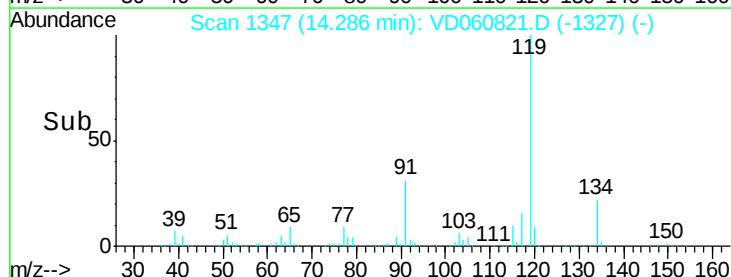
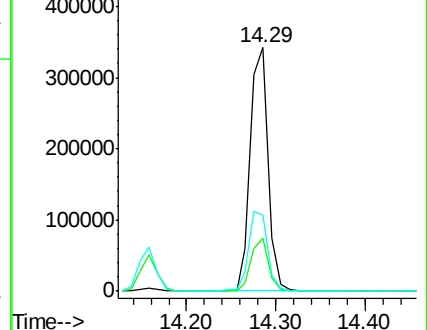
91 31.3 16.7 50.0

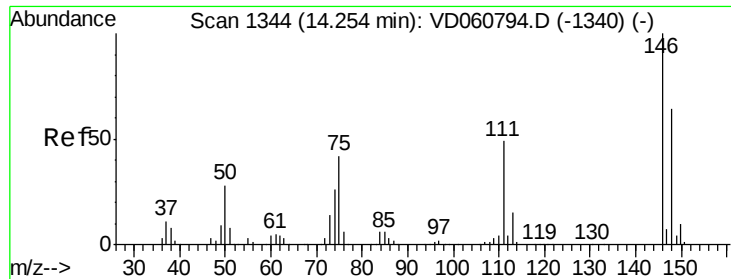


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

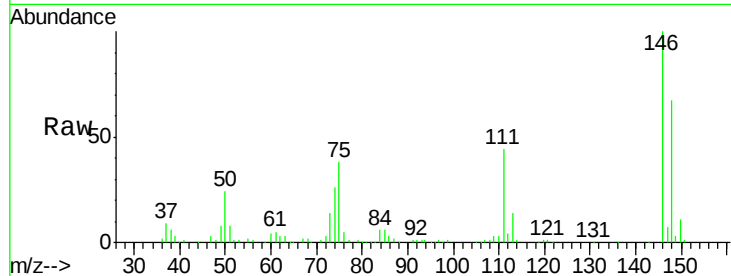




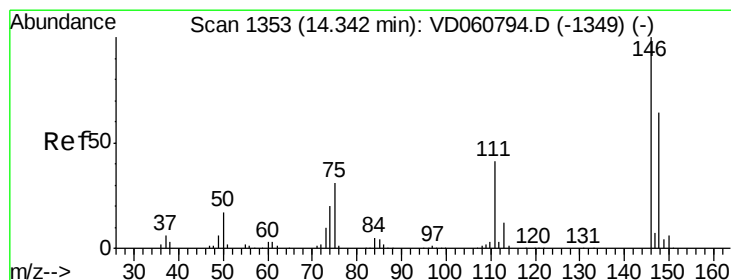
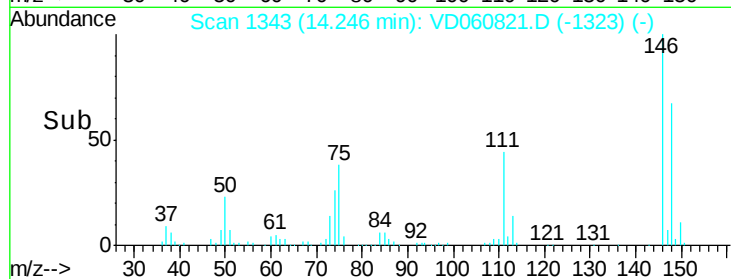
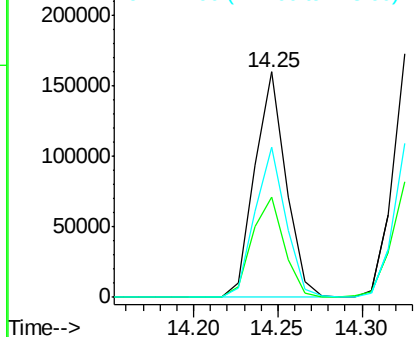
#87
 1,3-Dichlorobenzene
 Concen: 41.509 ug/l
 RT: 14.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion:146 Resp: 205794
 Ion Ratio Lower Upper
 146 100
 111 44.3 24.3 73.0
 148 66.8 32.1 96.5

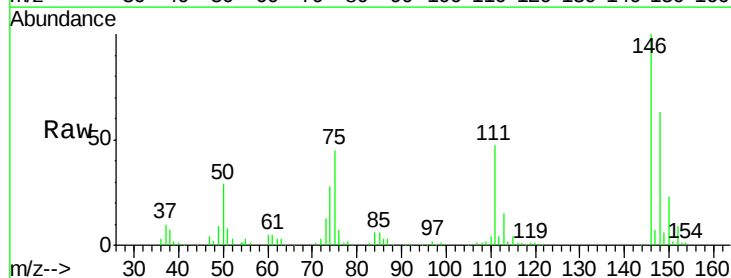


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

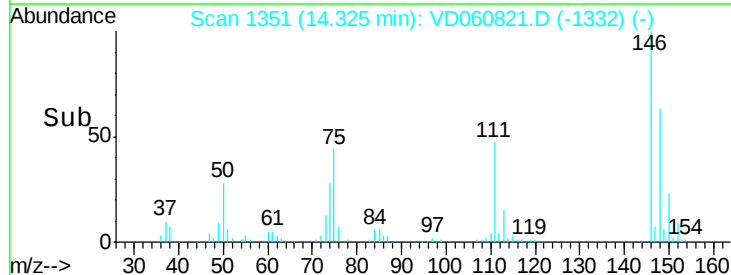
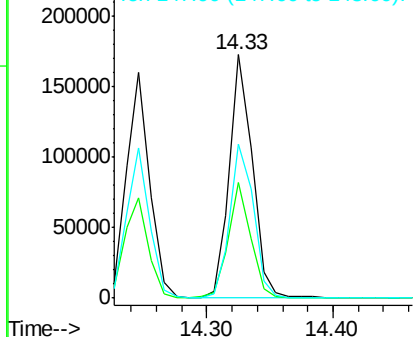


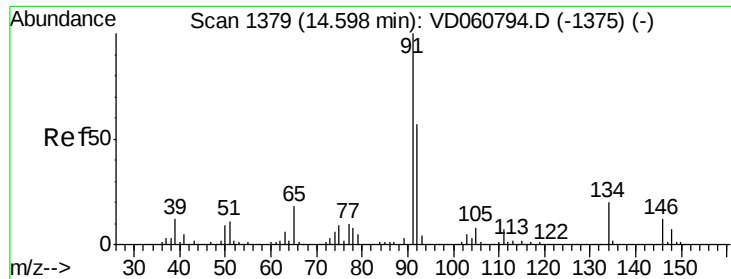
#88
 1,4-Dichlorobenzene
 Concen: 45.435 ug/l
 RT: 14.33 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion:146 Resp: 218866
 Ion Ratio Lower Upper
 146 100
 111 47.4 20.6 61.8
 148 63.3 31.9 95.7



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

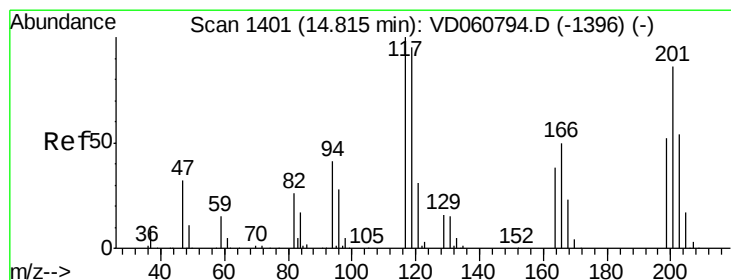
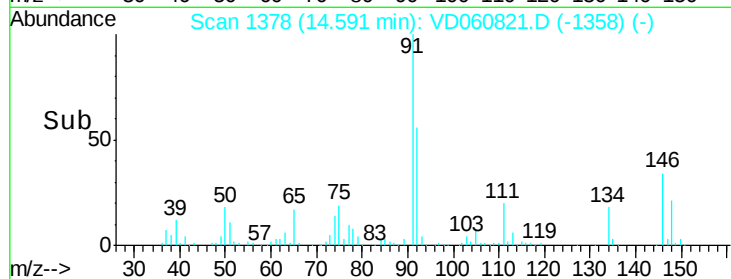
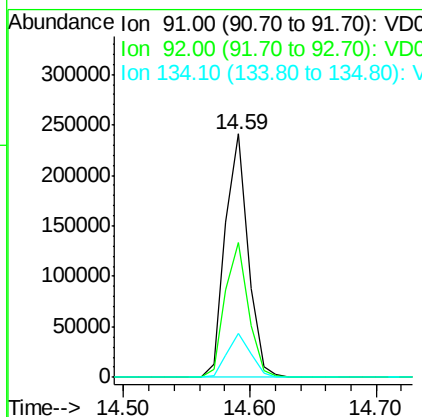
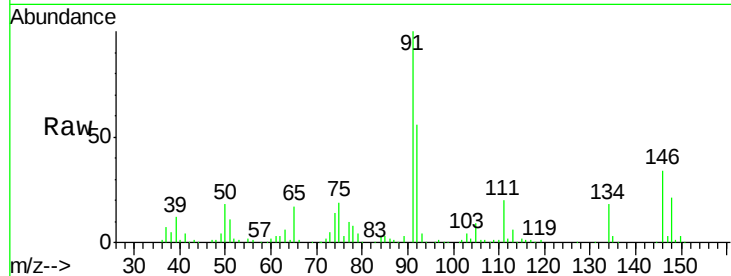




#89
n-Butylbenzene
Concen: 32.332 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

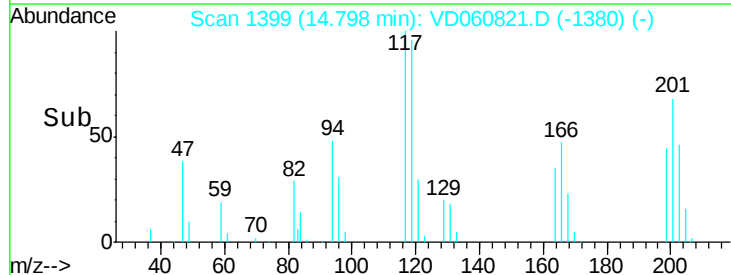
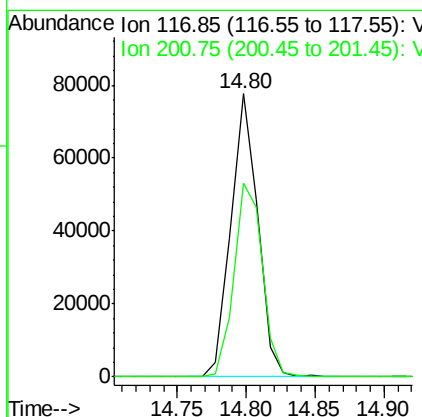
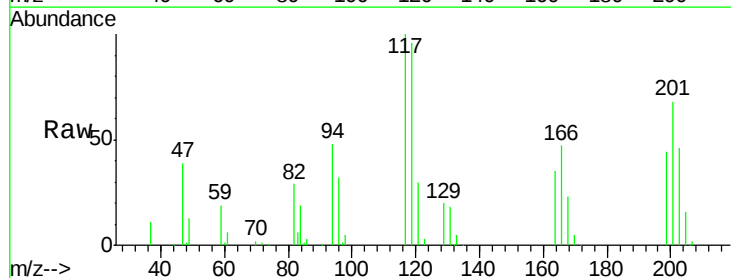
Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

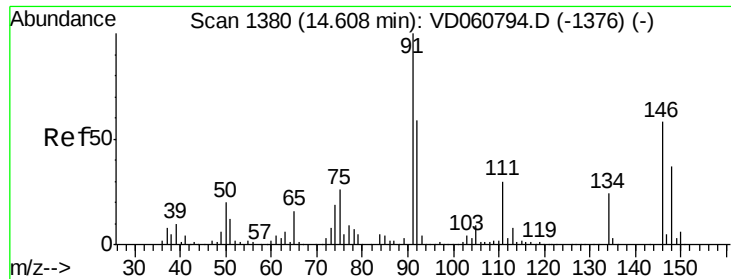
Tot Ion: 91 Resp: 302782
Ion Ratio Lower Upper
91 100
92 55.5 28.5 85.5
134 18.1 10.0 29.8



#90
Hexachloroethane
Concen: 39.321 ug/l
RT: 14.80 min Scan# 1399
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 117 Resp: 105026
Ion Ratio Lower Upper
117 100
201 68.4 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 47.265 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

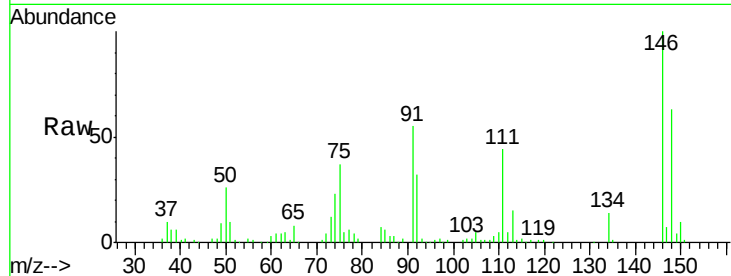
Tot Ion:146 Resp: 194504

Ion Ratio Lower Upper

146 100

111 43.7 25.6 76.8

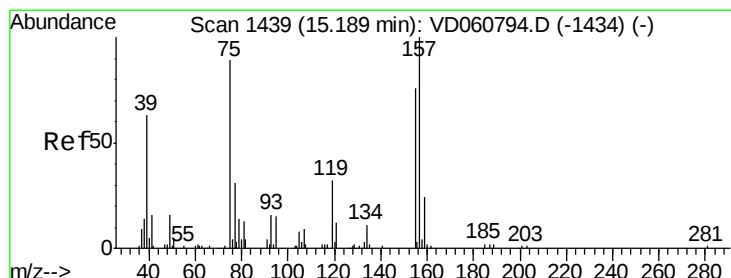
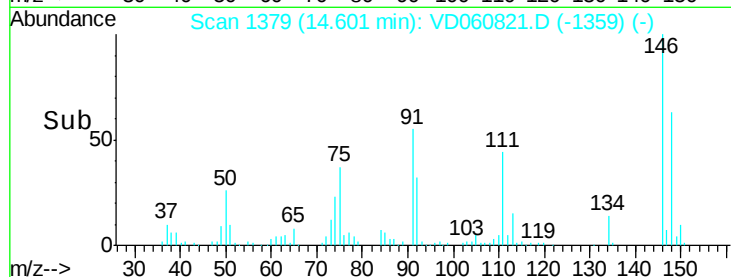
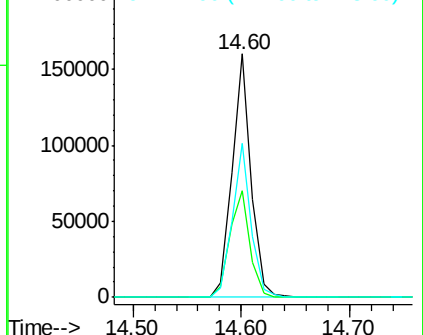
148 63.2 31.4 94.3



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: 75.204 ug/l

RT: 15.17 min Scan# 1437

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

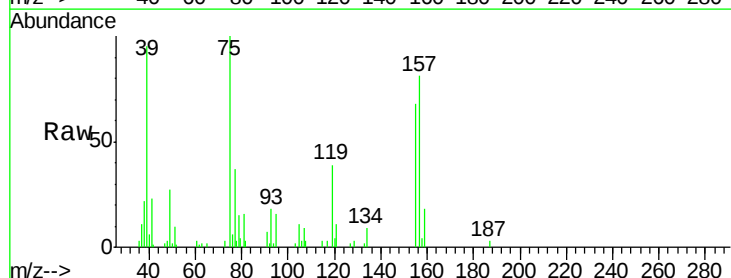
Tgt Ion: 75 Resp: 35079

Ion Ratio Lower Upper

75 100

155 68.0 43.0 129.0

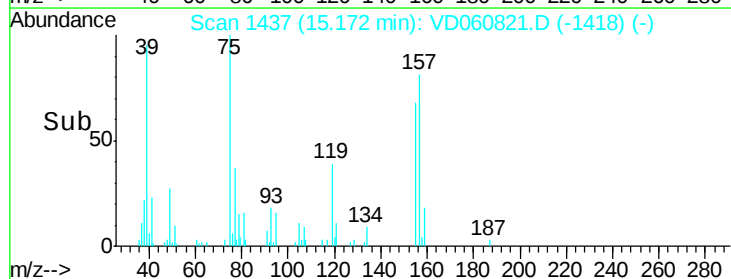
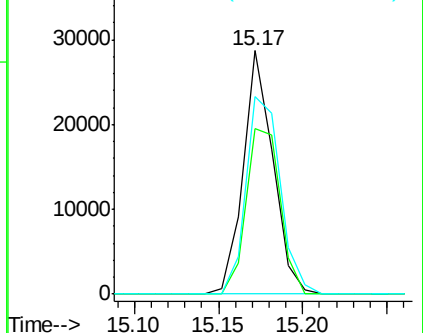
157 81.2 56.3 168.9

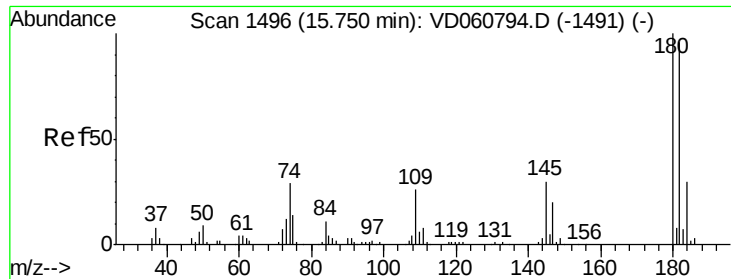


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

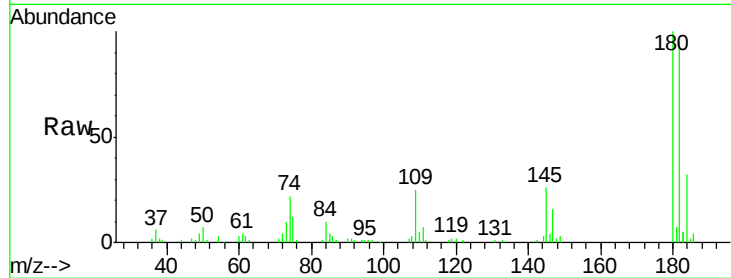




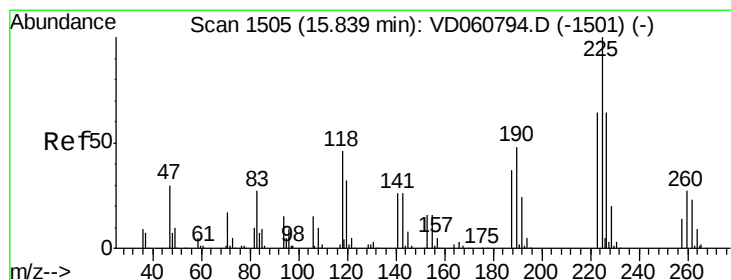
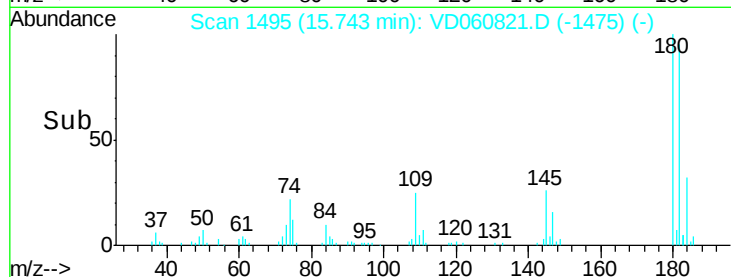
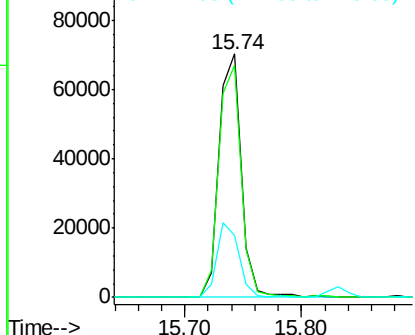
#93
 1,2,4-Trichlorobenzene
 Concen: 26.074 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion:180 Resp: 92908
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.7
 145 25.6 15.0 45.1

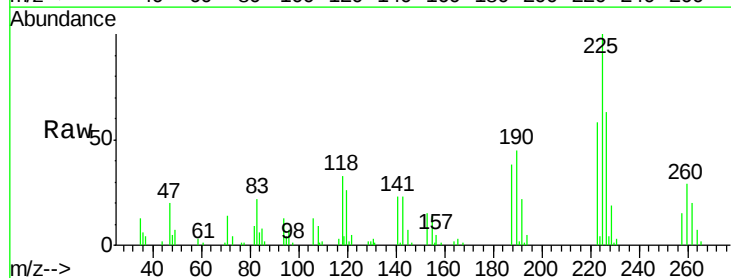


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

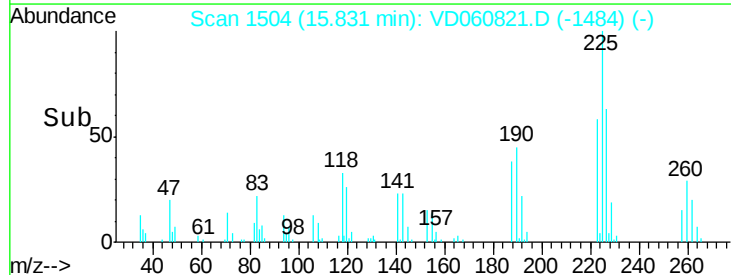
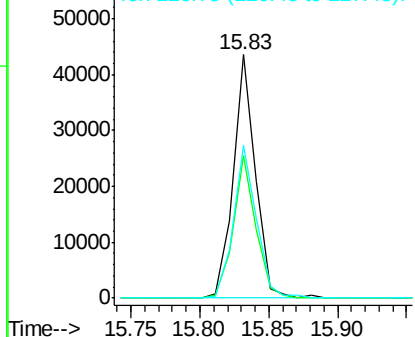


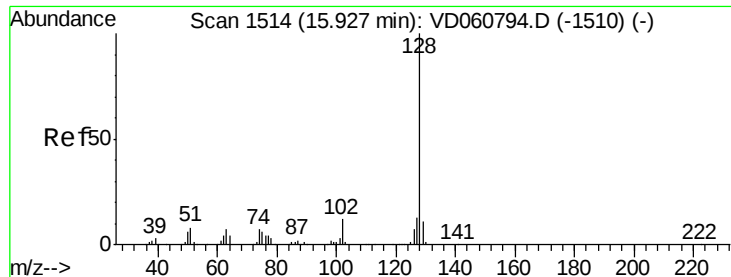
#94
 Hexachlorobutadiene
 Concen: 18.048 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion:225 Resp: 48253
 Ion Ratio Lower Upper
 225 100
 223 58.3 31.8 95.4
 227 62.6 31.9 95.5



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

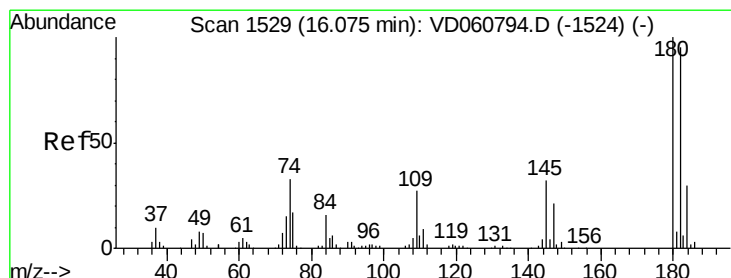
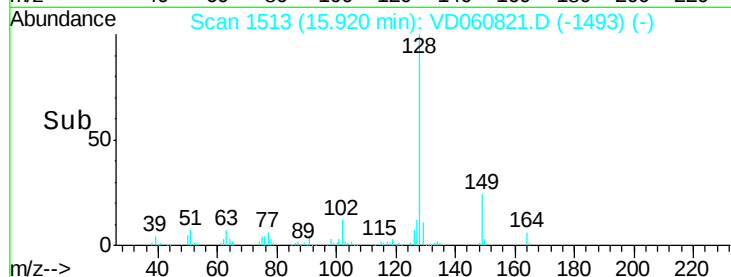
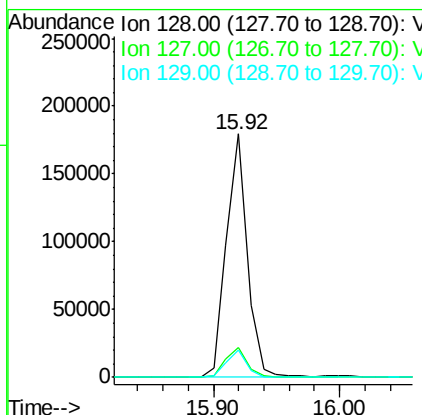
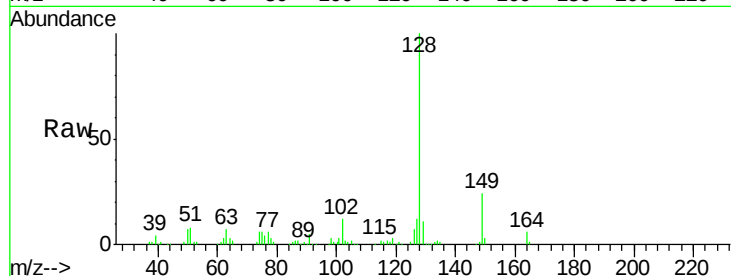




#95
Naphthalene
Concen: 37.782 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion:128 Resp: 206846
Ion Ratio Lower Upper
128 100
127 12.0 10.4 15.6
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 24.266 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion:180 Resp: 75187
Ion Ratio Lower Upper
180 100
182 103.7 47.4 142.3
145 33.8 15.8 47.4

