

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062834.D
 Acq On : 24 Jun 2019 12:27
 Operator : VA/AP
 Sample : VD0624SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Quant Time: Jun 25 05:02:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	976546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1245824	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1037564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	565650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	498216	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
35) Dibromofluoromethane	6.93	113	485515	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
50) Toluene-d8	10.41	98	1104332	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	13.56	95	500824	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	258784	20.478	ug/l	99
3) Chloromethane	1.75	50	188937	19.880	ug/l	99
4) Vinyl Chloride	1.84	62	192593	20.439	ug/l	95
5) Bromomethane	2.14	94	70627	16.005	ug/l	94
6) Chloroethane	2.25	64	78065	18.299	ug/l	95
7) Trichlorofluoromethane	2.52	101	374771	19.652	ug/l	97
8) Diethyl Ether	2.87	74	45949	18.964	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	202938	19.643	ug/l	95
10) Methyl Iodide	3.29	142	250065	18.347	ug/l	99
11) Tert butyl alcohol	4.09	59	49413	102.209	ug/l	96
12) 1,1-Dichloroethene	3.12	96	138217	17.834	ug/l #	78
13) Acrolein	3.03	56	44437	90.036	ug/l	99
14) Allyl chloride	3.61	41	232965	20.343	ug/l	98
15) Acrylonitrile	4.20	53	123832	109.009	ug/l	96
16) Acetone	3.22	43	215760	95.920	ug/l #	91
17) Carbon Disulfide	3.36	76	472486	19.075	ug/l	99
18) Methyl Acetate	3.64	43	82220	25.659	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	352769	21.026	ug/l	94
20) Methylene Chloride	3.82	84	163563	20.204	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	168956	20.474	ug/l	90
22) Diisopropyl ether	5.13	45	491084	21.087	ug/l	97
23) Vinyl Acetate	5.06	43	1476982	101.352	ug/l	99
24) 1,1-Dichloroethane	4.98	63	297988	19.652	ug/l	97
25) 2-Butanone	6.08	43	205708	103.615	ug/l #	88
26) 2,2-Dichloropropane	6.02	77	330029	20.535	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	180307	20.662	ug/l	95
28) Bromochloromethane	6.44	49	111354	20.851	ug/l	89
29) Tetrahydrofuran	6.46	42	103326	110.000	ug/l	95
30) Chloroform	6.67	83	365799	19.837	ug/l	93
31) Cyclohexane	6.96	56	186690	18.729	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	358495	18.665	ug/l	95
36) 1,1-Dichloropropene	7.15	75	242972	20.602	ug/l	93
37) Ethyl Acetate	6.19	43	105992	20.751	ug/l	98
38) Carbon Tetrachloride	7.10	117	368352	20.768	ug/l	99

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 Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
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Quant Time: Jun 25 05:02:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	213485	20.565	ug/l	96
40) Benzene	7.46	78	501759	21.195	ug/l	97
41) Methacrylonitrile	6.44	41	138357	22.246	ug/l	97
42) 1,2-Dichloroethane	7.58	62	270602	20.954	ug/l	99
43) Isopropyl Acetate	9.25	43	133929	21.661	ug/l #	98
44) Trichloroethene	8.54	130	191722	20.658	ug/l	99
45) 1,2-Dichloropropane	8.94	63	118615	20.150	ug/l	100
46) Dibromomethane	9.06	93	105175	20.800	ug/l	94
47) Bromodichloromethane	9.38	83	288140	21.941	ug/l	97
48) Methyl methacrylate	9.13	41	93730	21.332	ug/l	97
49) 1,4-Dioxane	9.08	88	17644	482.674	ug/l #	92
51) 4-Methyl-2-Pentanone	10.30	43	484434	110.509	ug/l	95
52) Toluene	10.51	92	343981	21.616	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	233759	21.748	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	250561	21.447	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	113343	20.732	ug/l	90
56) Ethyl methacrylate	11.04	69	125751	21.523	ug/l #	84
57) 1,3-Dichloropropane	11.41	76	183891	21.967	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	349362	116.472	ug/l	98
59) 2-Hexanone	11.53	43	361657	115.842	ug/l	100
60) Dibromochloromethane	11.69	129	216971	21.306	ug/l	89
61) 1,2-Dibromoethane	11.81	107	137218	21.251	ug/l	94
64) Tetrachloroethene	11.26	164	179157	20.980	ug/l	91
65) Chlorobenzene	12.40	112	409413	21.262	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	194480	21.596	ug/l	96
67) Ethyl Benzene	12.53	91	743190	21.497	ug/l	99
68) m/p-Xylenes	12.68	106	514315	42.713	ug/l	93
69) o-Xylene	13.05	106	244533	22.215	ug/l	91
70) Styrene	13.07	104	417110	21.574	ug/l	98
71) Bromoform	13.24	173	137221	22.240	ug/l	96
73) Isopropylbenzene	13.40	105	765927	21.118	ug/l	99
74) N-amyl acetate	13.27	43	193225	21.938	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	129951	21.991	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	141788	21.713	ug/l	99
77) Bromobenzene	13.67	156	218098	22.357	ug/l	94
78) n-propylbenzene	13.78	91	904302	21.422	ug/l	100
79) 2-Chlorotoluene	13.84	91	501758	20.799	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	651657	21.391	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	38997	22.786	ug/l	99
82) 4-Chlorotoluene	13.95	91	621975	21.416	ug/l	93
83) tert-Butylbenzene	14.19	119	715470	21.070	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	654249	20.953	ug/l	99
85) sec-Butylbenzene	14.37	105	777180	21.058	ug/l	96
86) p-Isopropyltoluene	14.50	119	726063	21.504	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	379932	21.727	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	359229	20.453	ug/l	98
89) n-Butylbenzene	14.80	91	661247	20.925	ug/l	96
90) Hexachloroethane	15.01	117	189971	20.926	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	336856	22.515	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27263	23.637	ug/l	61

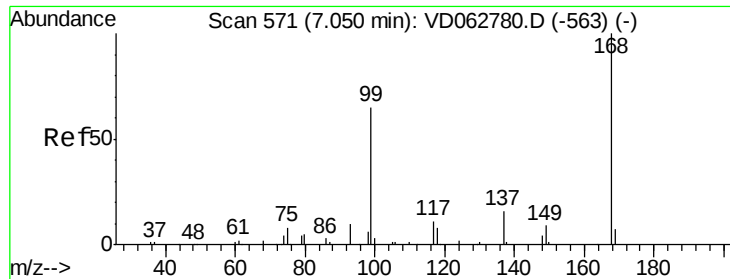
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062834.D
Acq On : 24 Jun 2019 12:27
Operator : VA/AP
Sample : VD0624SBSD01
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	241418	20.657	ug/l	99
94) Hexachlorobutadiene	16.04	225	179619	20.117	ug/l	97
95) Naphthalene	16.12	128	356841	21.784	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	183797	20.468	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

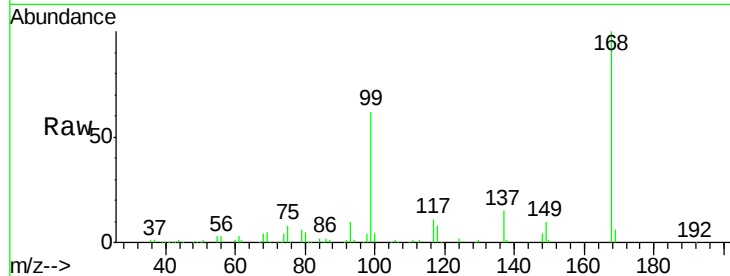
VD0624SBSD01

Tot Ion:168 Resp: 976546

Ion Ratio Lower Upper

168 100

99 62.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

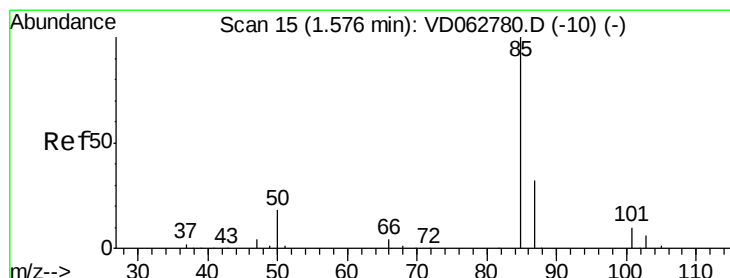
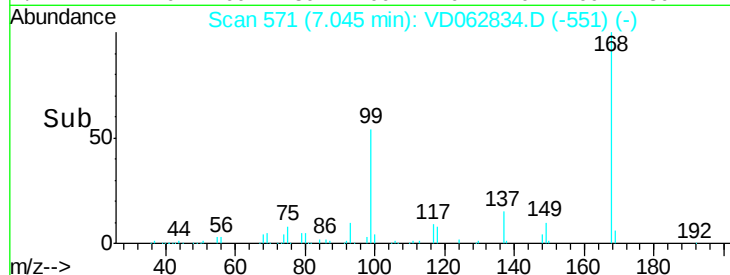
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.478 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062834.D

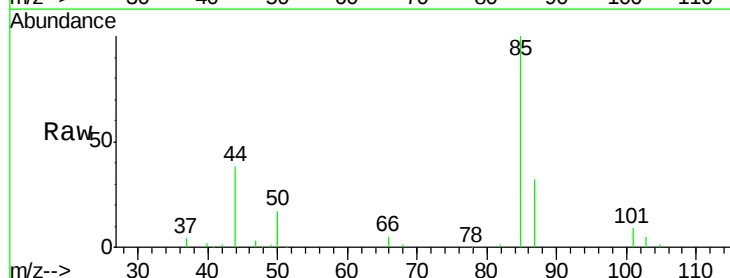
Acq: 24 Jun 2019 12:27

Tgt Ion: 85 Resp: 258784

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

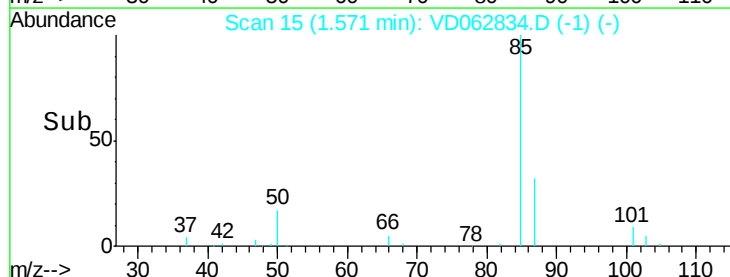
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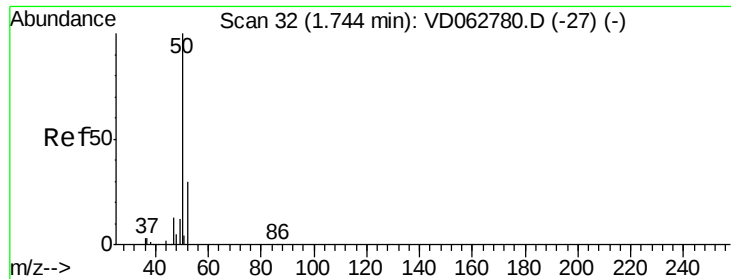
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.880 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

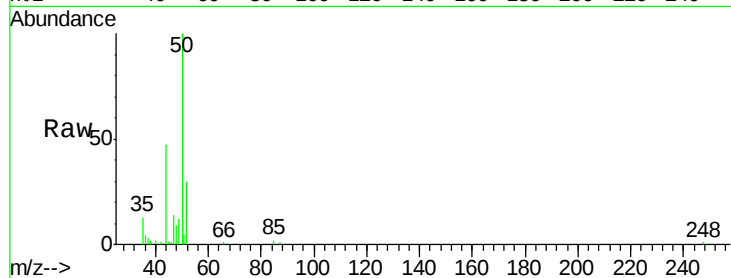
VD0624SBSD01

Tot Ion: 50 Resp: 188937

Ion Ratio Lower Upper

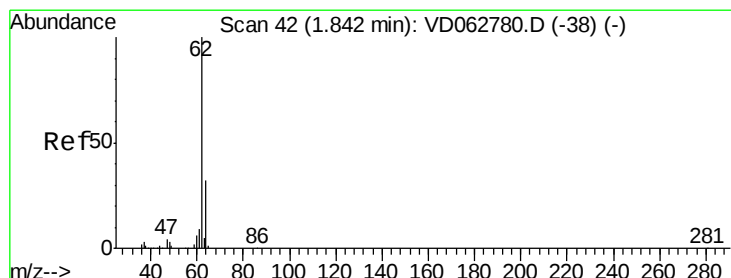
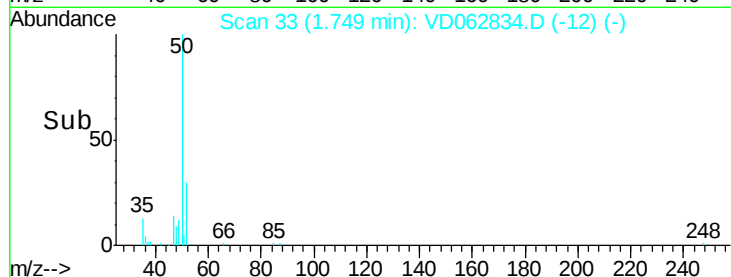
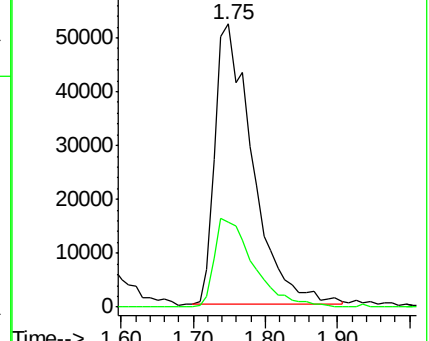
50 100

52 30.1 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.439 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062834.D

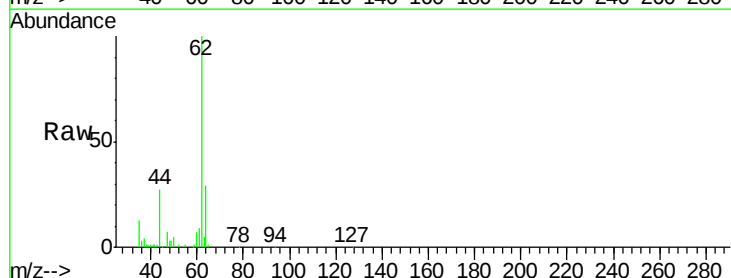
Acq: 24 Jun 2019 12:27

Tgt Ion: 62 Resp: 192593

Ion Ratio Lower Upper

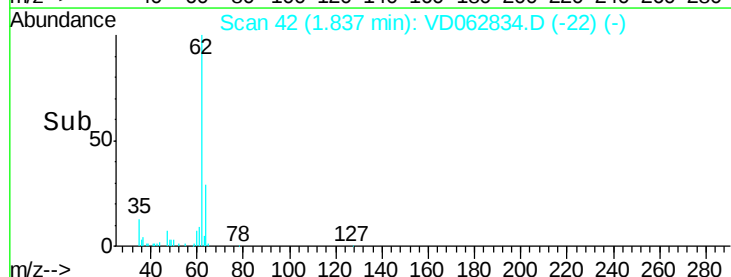
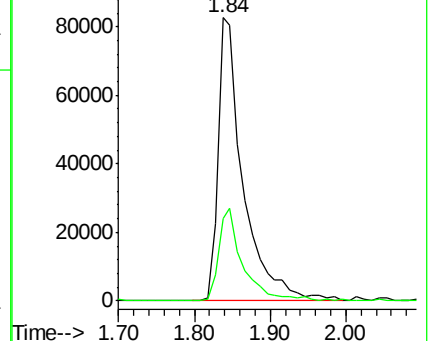
62 100

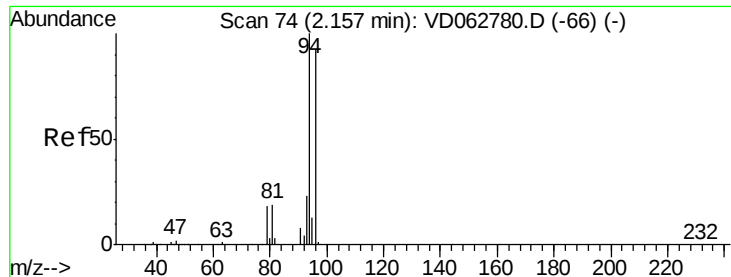
64 29.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.005 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

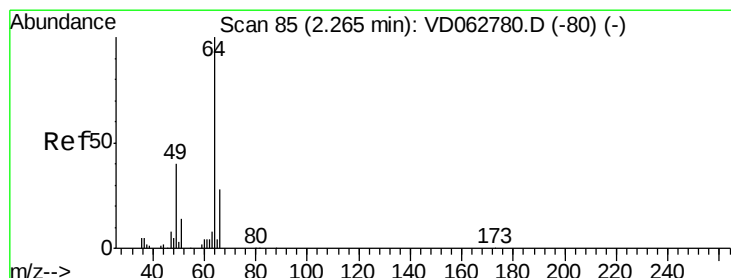
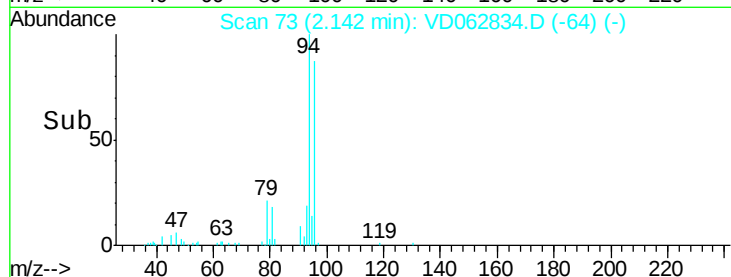
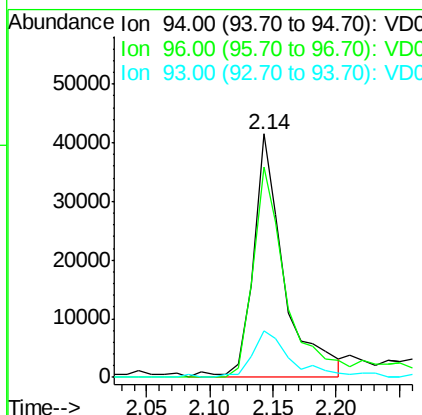
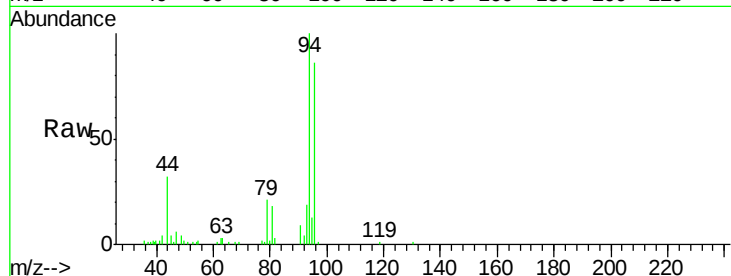
Tot Ion: 94 Resp: 70627

Ion Ratio Lower Upper

94 100

96 86.5 73.4 110.2

93 19.0 18.2 27.4



#6

Chloroethane

Concen: 18.299 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062834.D

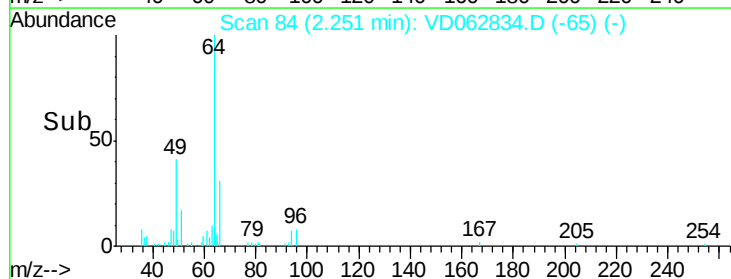
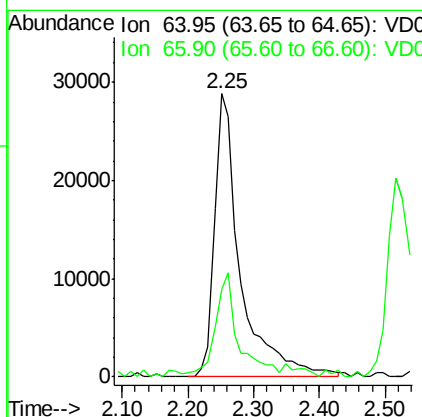
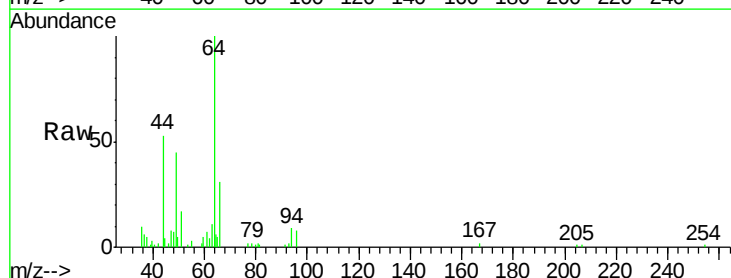
Acq: 24 Jun 2019 12:27

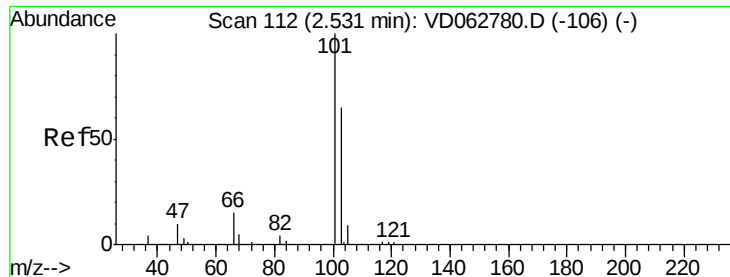
Tgt Ion: 64 Resp: 78065

Ion Ratio Lower Upper

64 100

66 31.1 23.0 34.4



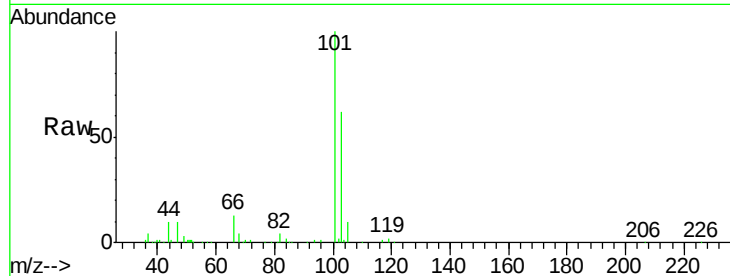


#7

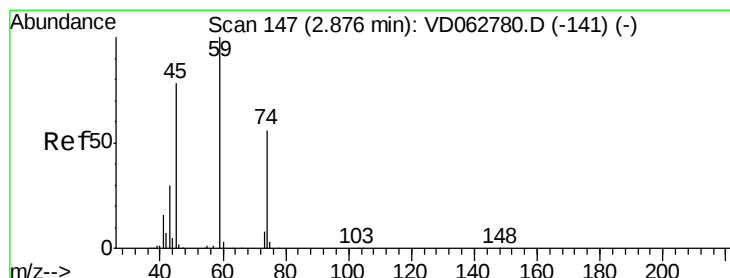
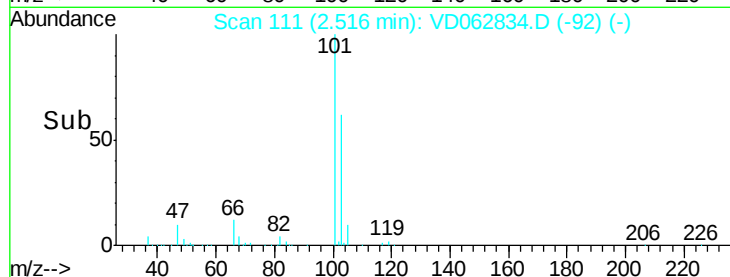
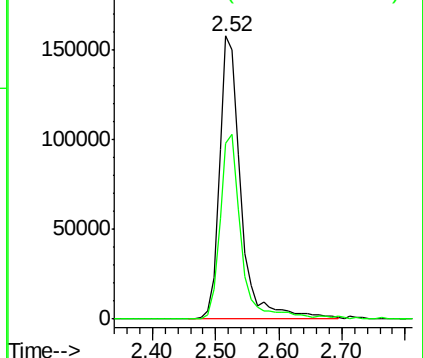
Trichlorofluoromethane
Concen: 19.652 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion:101 Resp: 374771
Ion Ratio Lower Upper
101 100
103 62.1 51.8 77.8



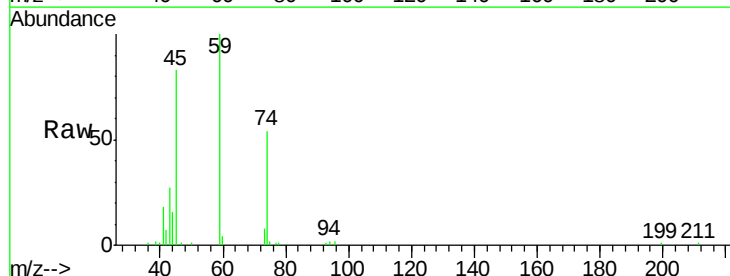
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



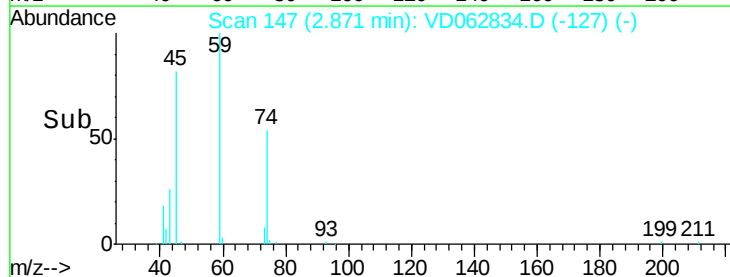
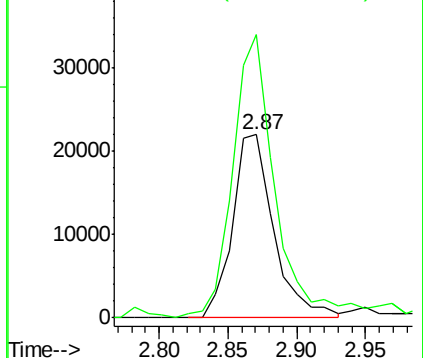
#8

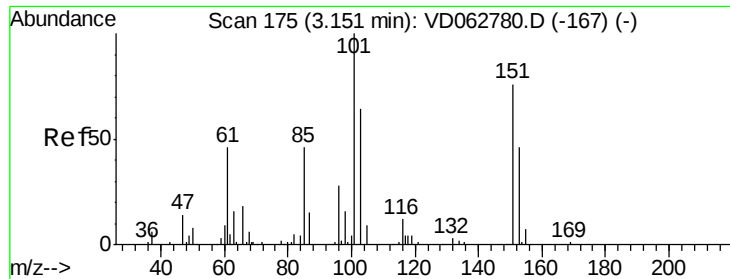
Diethyl Ether
Concen: 18.964 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 74 Resp: 45949
Ion Ratio Lower Upper
74 100
45 154.6 70.2 210.6



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: 19.643 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

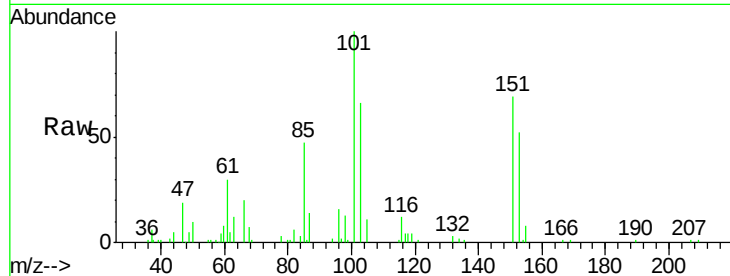
Tot Ion:101 Resp: 202938

Ion Ratio Lower Upper

101 100

85 46.8 37.0 55.4

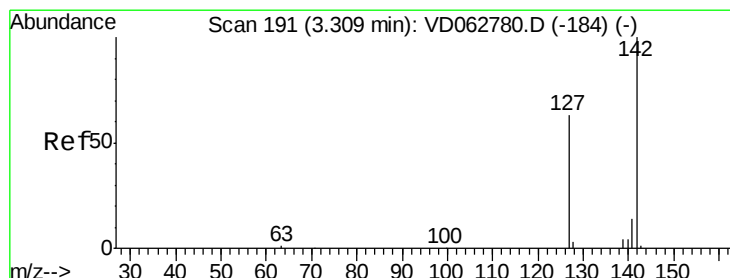
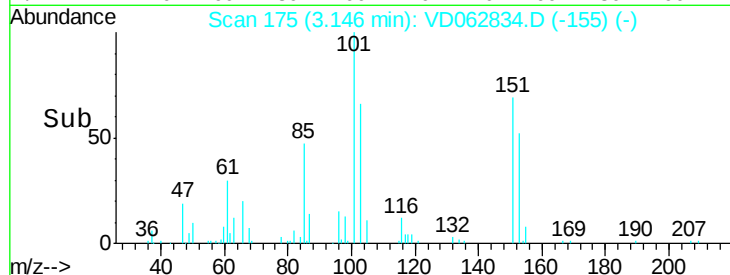
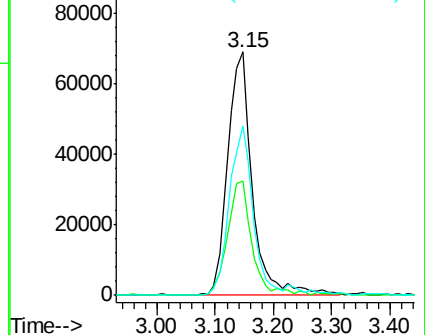
151 69.3 60.5 90.7



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: 18.347 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

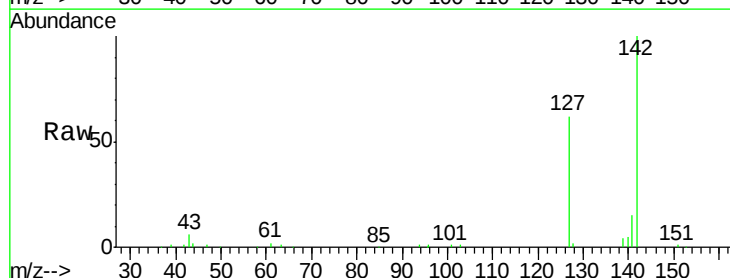
Tgt Ion:142 Resp: 250065

Ion Ratio Lower Upper

142 100

127 62.3 50.1 75.1

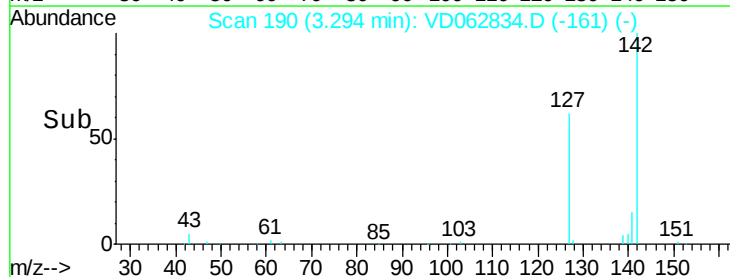
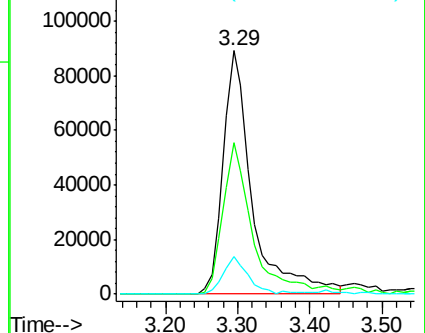
141 15.3 11.0 16.4



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



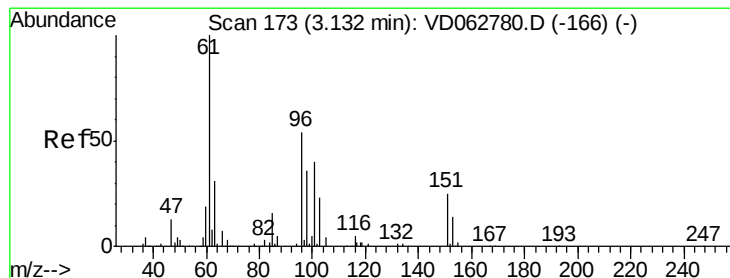
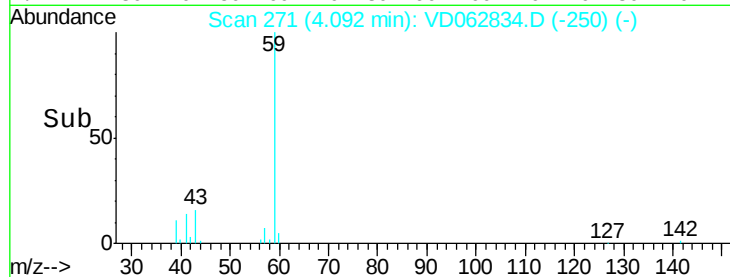
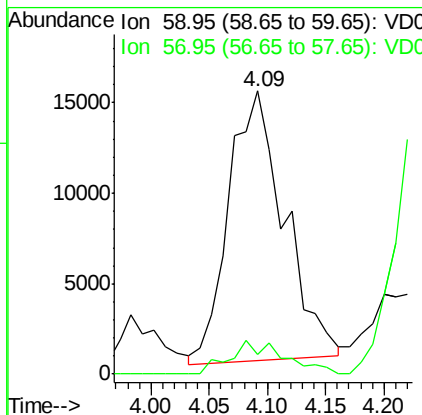
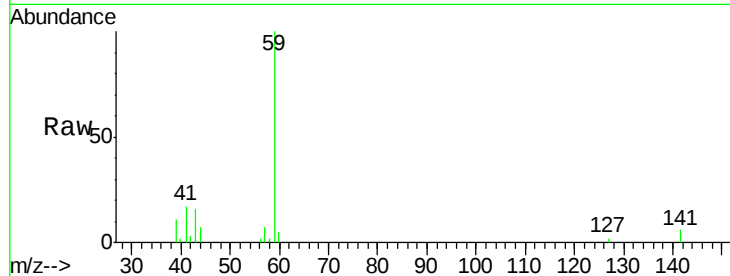


#11

Tert butyl alcohol
Concen: 102.209 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

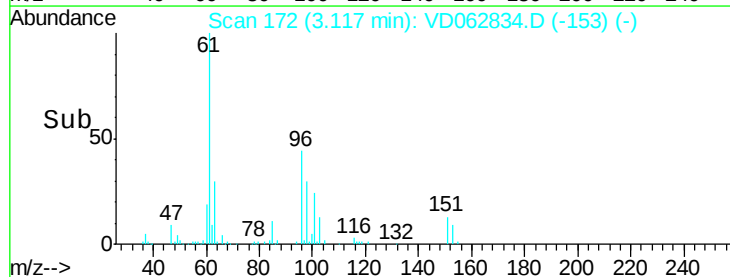
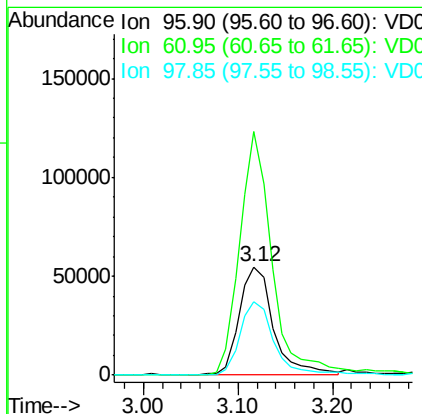
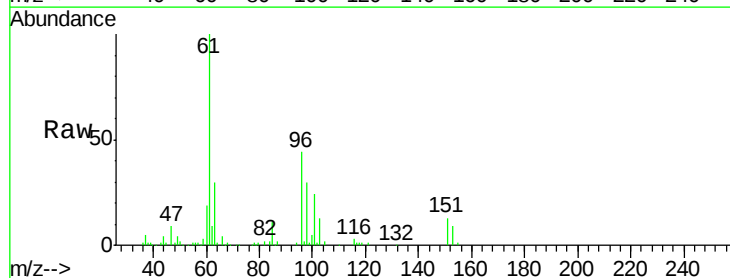
Tot Ion: 59 Resp: 49413
Ion Ratio Lower Upper
59 100
57 7.0 6.6 10.0



#12

1,1-Dichloroethene
Concen: 17.834 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 96 Resp: 138217
Ion Ratio Lower Upper
96 100
61 225.4 147.1 220.7#
98 67.6 52.6 79.0





#13

Acrolein

Concen: 90.036 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

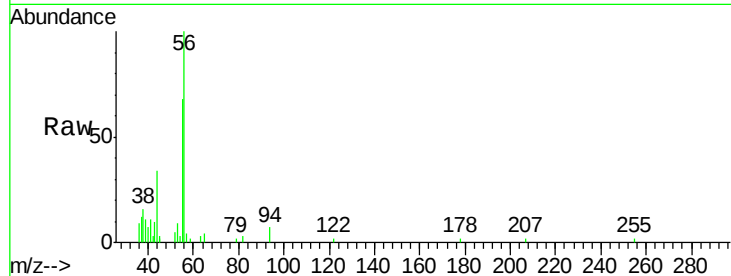
VD0624SBSD01

Tot Ion: 56 Resp: 44437

Ion Ratio Lower Upper

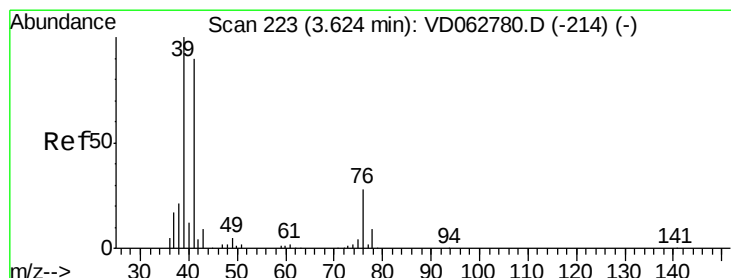
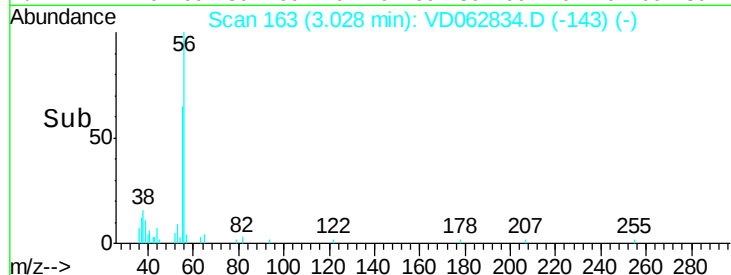
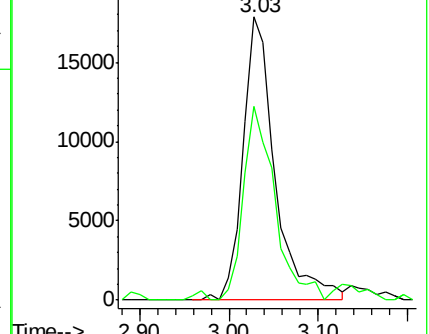
56 100

55 68.3 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.343 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

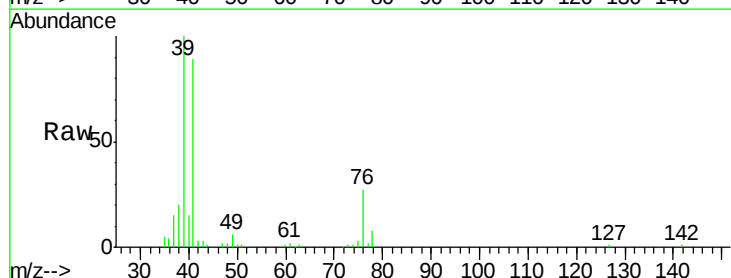
Tgt Ion: 41 Resp: 232965

Ion Ratio Lower Upper

41 100

39 112.4 88.8 133.2

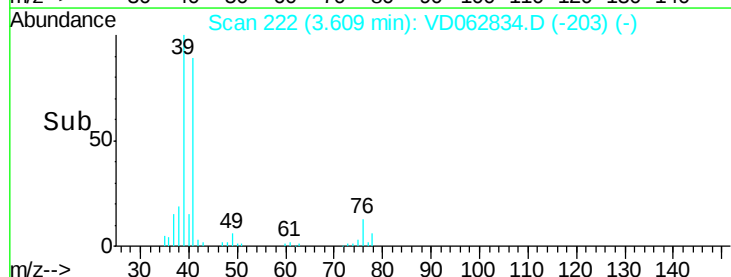
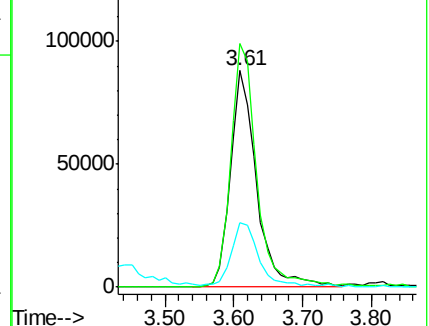
76 29.9 26.7 40.1

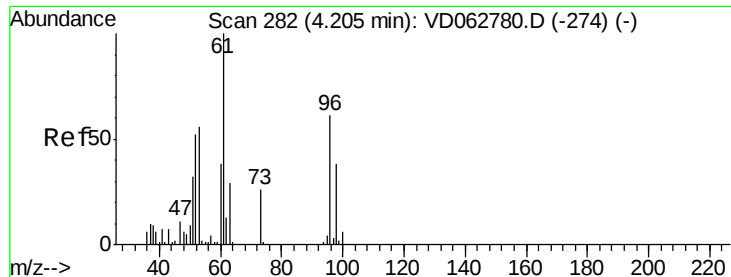


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.009 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

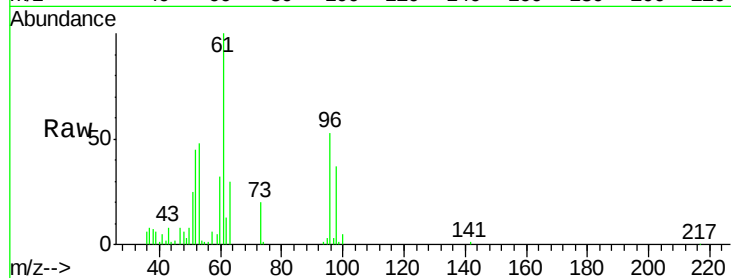
Tot Ion: 53 Resp: 123832

Ion Ratio Lower Upper

53 100

52 93.9 73.3 109.9

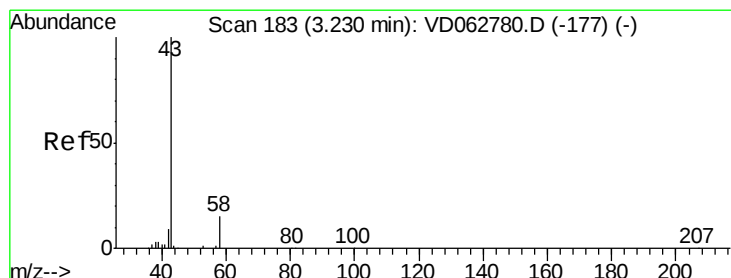
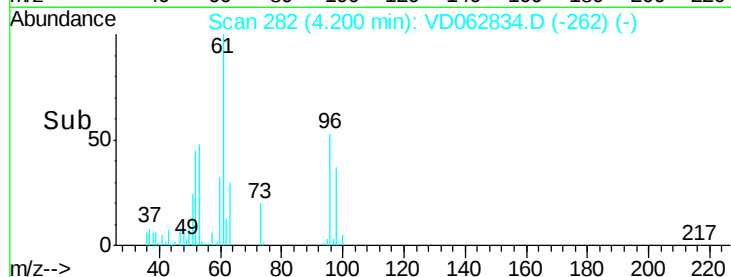
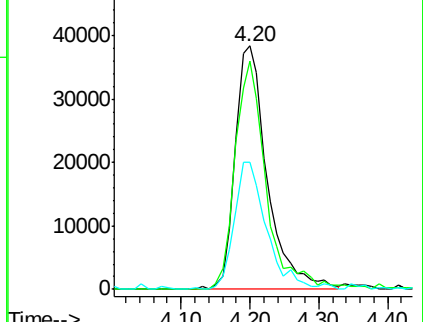
51 52.0 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.920 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062834.D

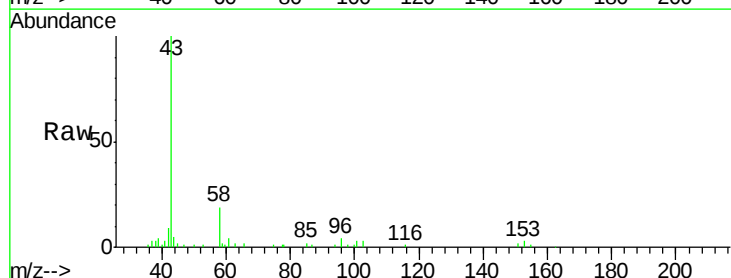
Acq: 24 Jun 2019 12:27

Tgt Ion: 43 Resp: 215760

Ion Ratio Lower Upper

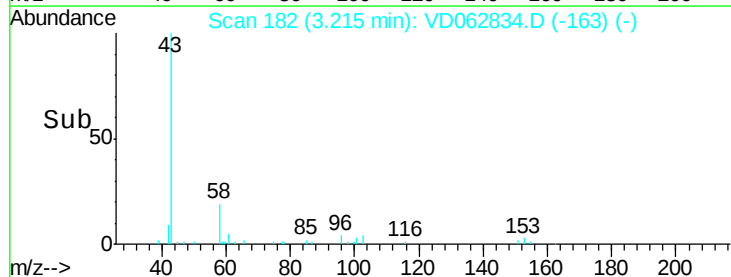
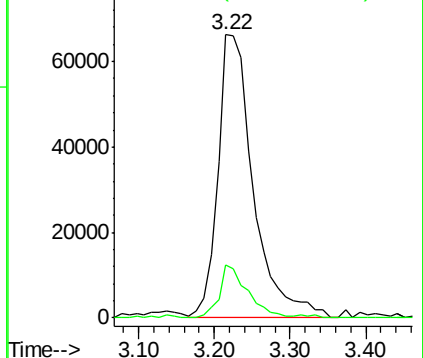
43 100

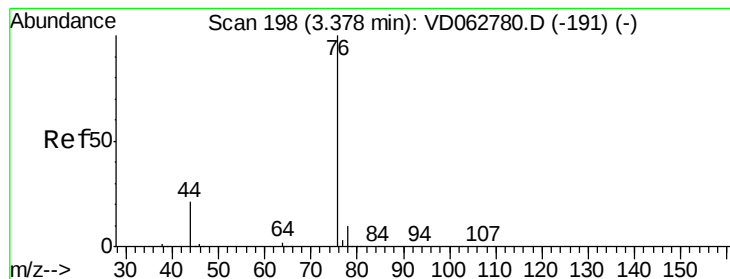
58 18.7 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.075 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

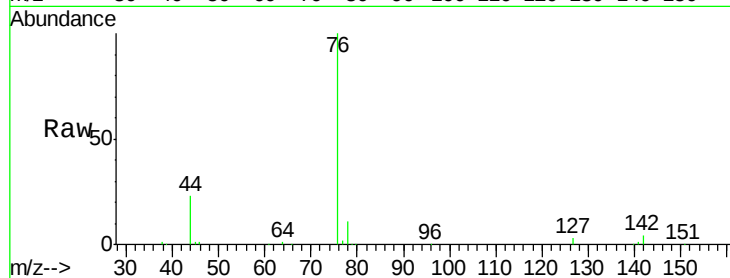
VD0624SBSD01

Tot Ion: 76 Resp: 472486

Ion Ratio Lower Upper

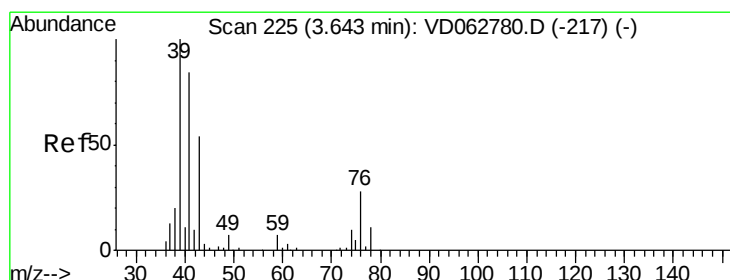
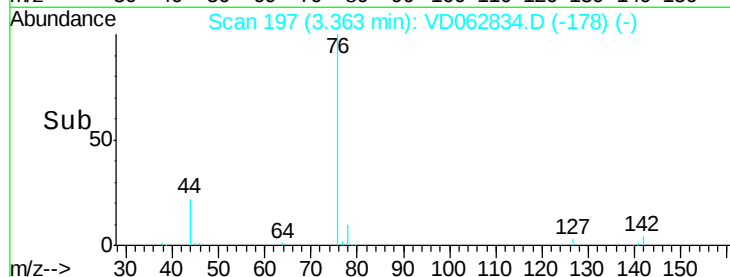
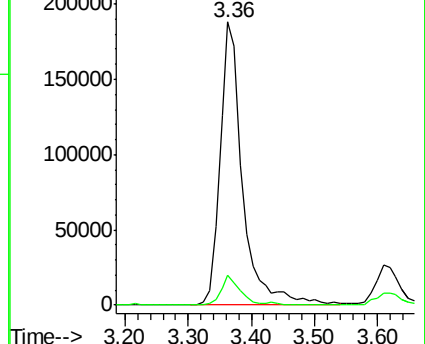
76 100

78 10.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 25.659 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062834.D

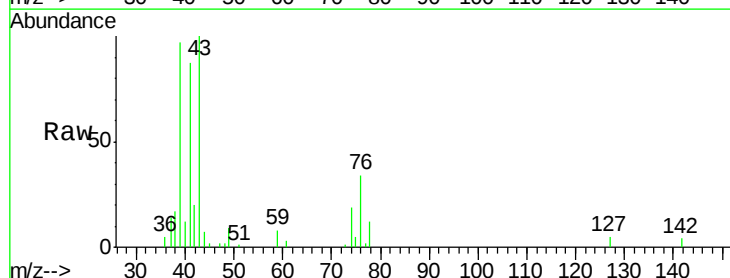
Acq: 24 Jun 2019 12:27

Tgt Ion: 43 Resp: 82220

Ion Ratio Lower Upper

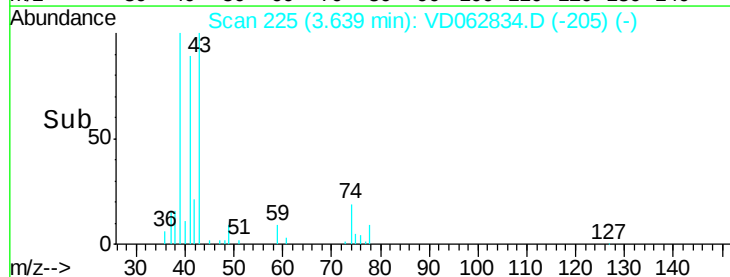
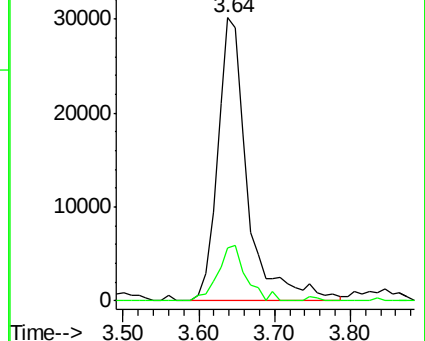
43 100

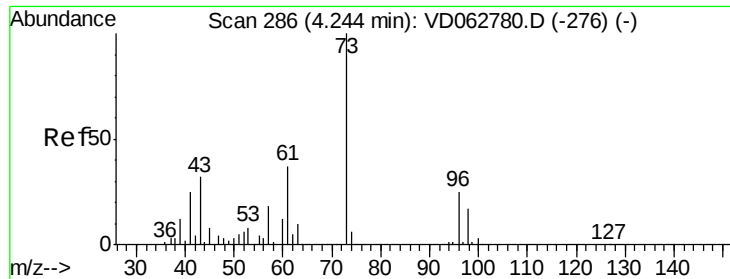
74 18.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

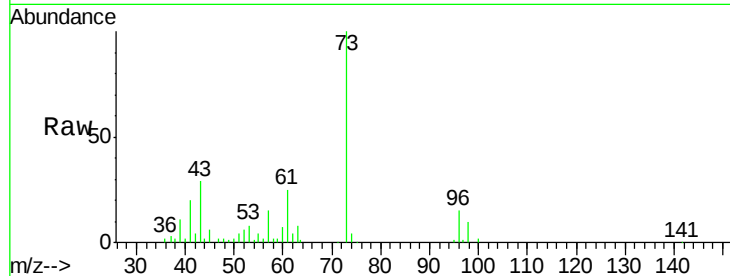




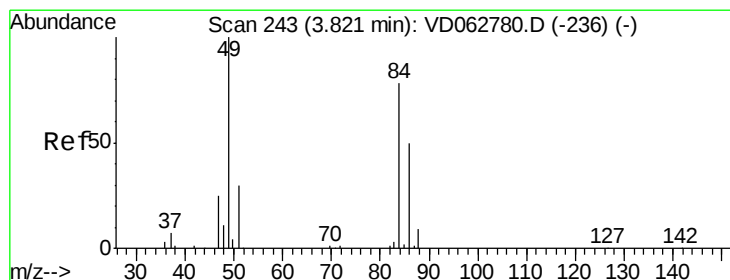
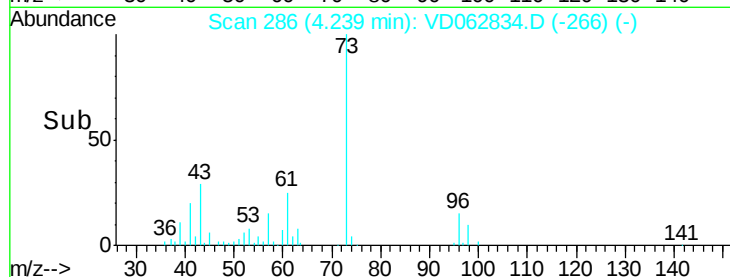
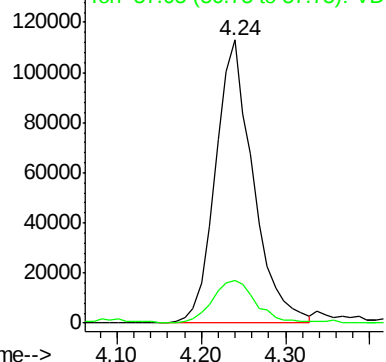
#19
Methyl tert-butyl Ether
Concen: 21.026 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion: 73 Resp: 352769
Ion Ratio Lower Upper
73 100
57 15.2 14.3 21.5

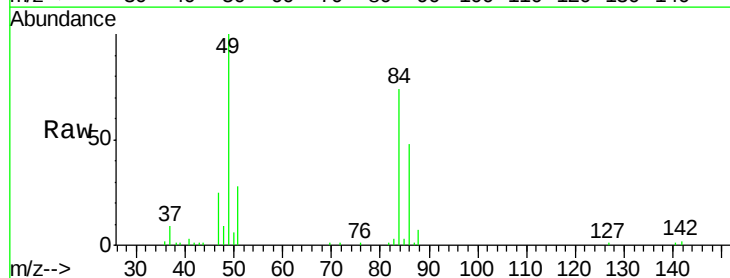


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

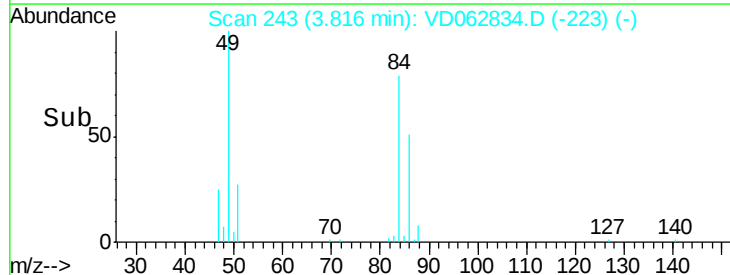
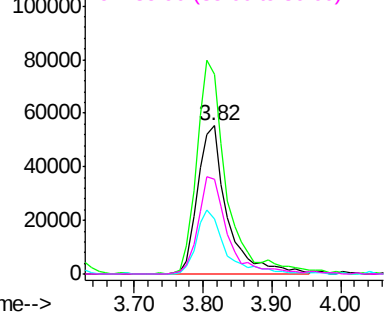


#20
Methylene Chloride
Concen: 20.204 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 84 Resp: 163563
Ion Ratio Lower Upper
84 100
49 135.3 102.9 154.3
51 37.4 31.2 46.8
86 64.3 51.4 77.2



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.474 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

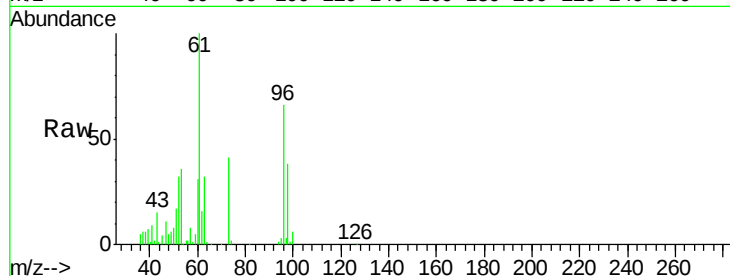
Tot Ion: 96 Resp: 168956

Ion Ratio Lower Upper

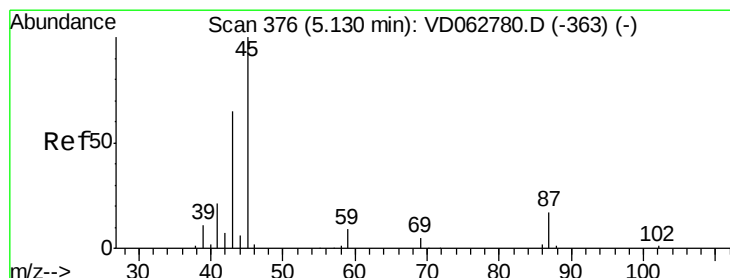
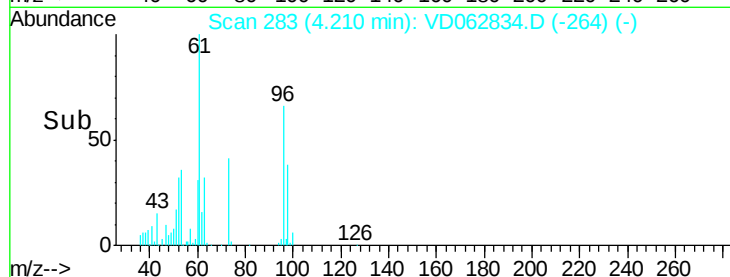
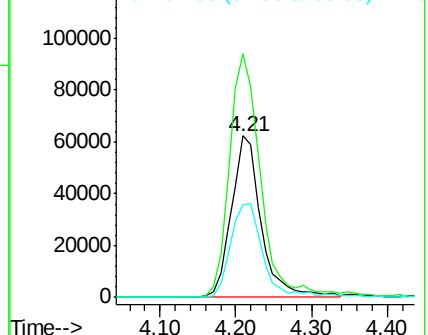
96 100

61 150.8 131.0 196.4

98 57.6 53.2 79.8



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



#22

Diisopropyl ether

Concen: 21.087 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Tgt Ion: 45 Resp: 491084

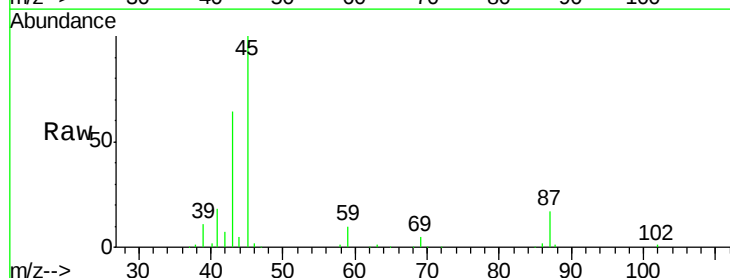
Ion Ratio Lower Upper

45 100

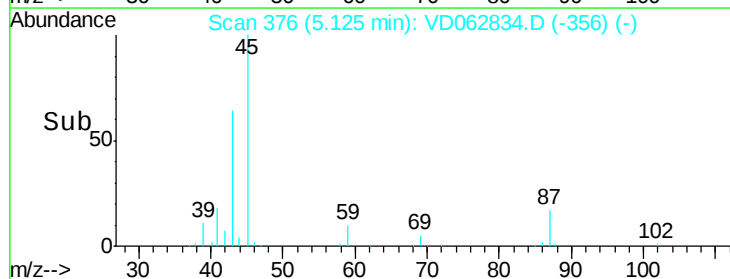
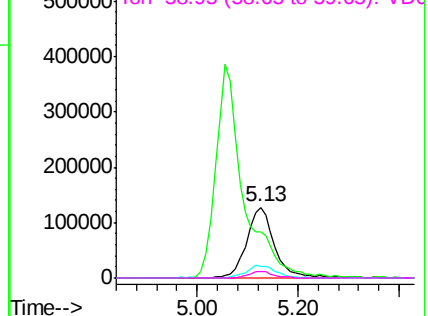
43 64.2 53.4 80.0

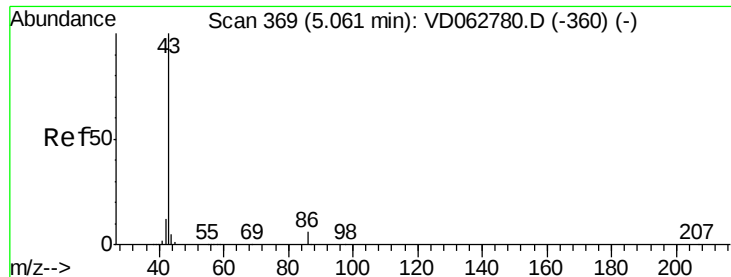
87 16.7 14.6 22.0

59 9.5 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: 101.352 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleID :

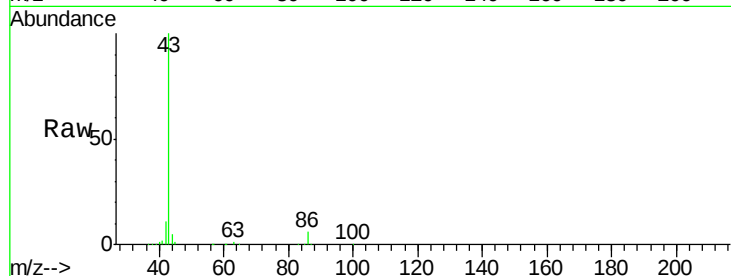
VD0624SBSD01

Tot Ion: 43 Resp: 1476982

Ion Ratio Lower Upper

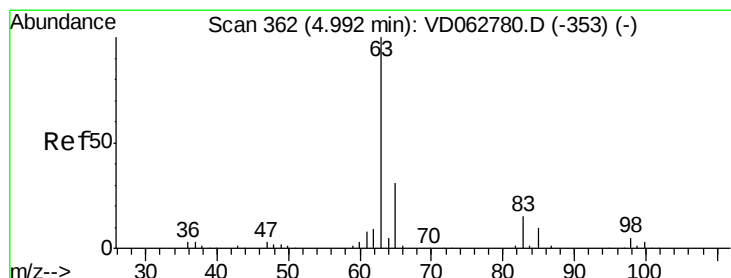
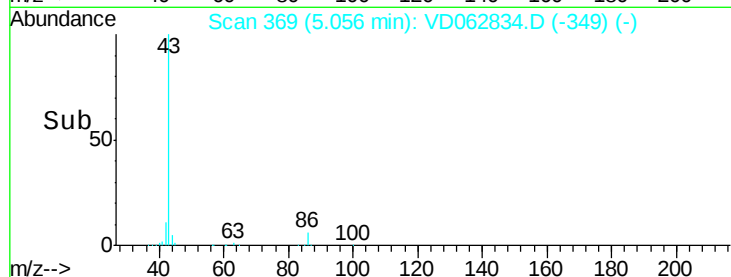
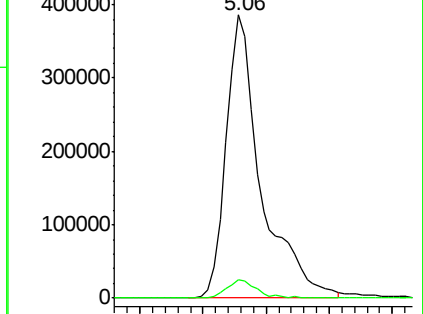
43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.652 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

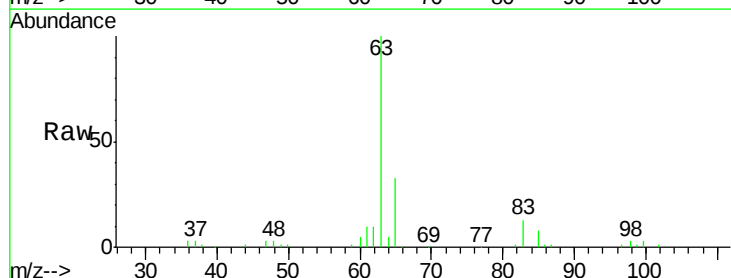
Tgt Ion: 63 Resp: 297988

Ion Ratio Lower Upper

63 100

98 3.2 2.3 6.9

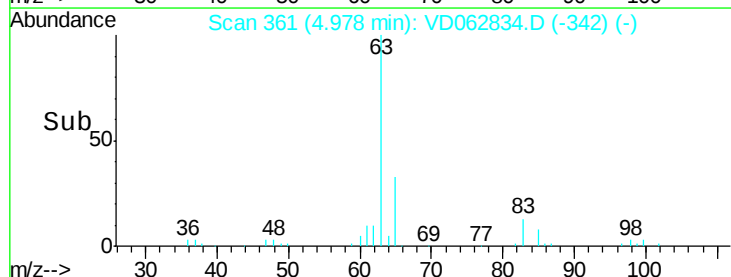
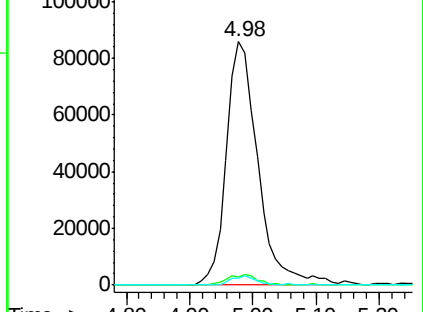
100 2.7 1.7 5.1

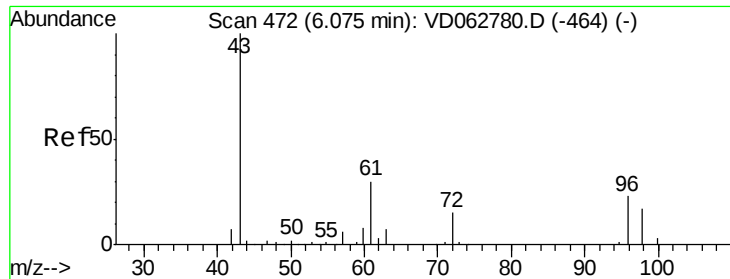


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.615 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

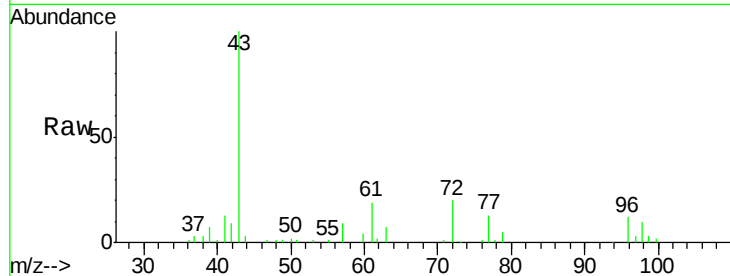
VD0624SBSD01

Tot Ion: 43 Resp: 205708

Ion Ratio Lower Upper

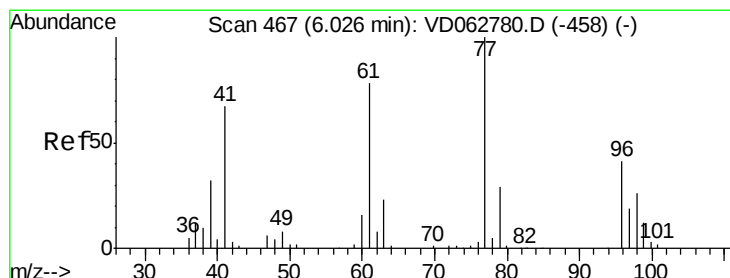
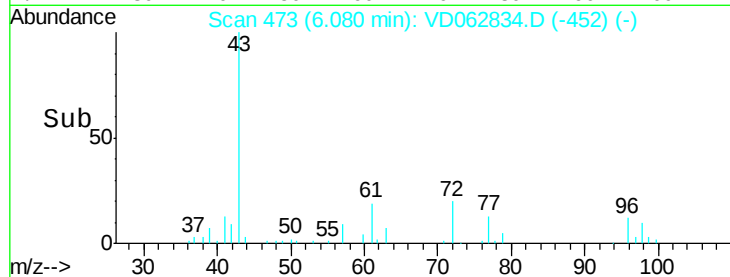
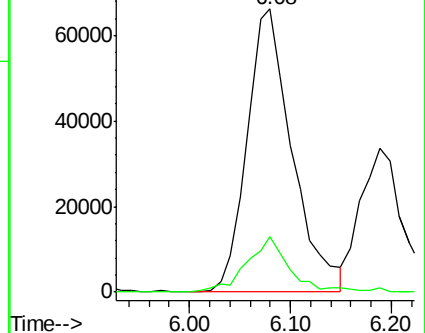
43 100

72 19.8 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.535 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062834.D

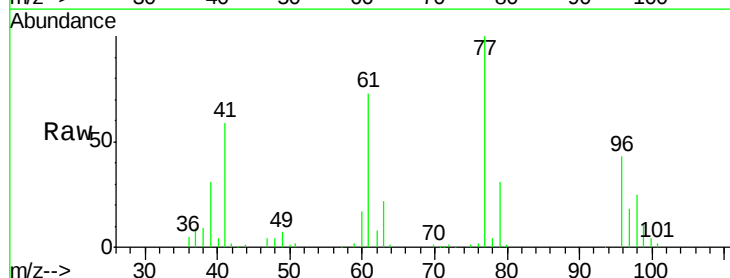
Acq: 24 Jun 2019 12:27

Tgt Ion: 77 Resp: 330029

Ion Ratio Lower Upper

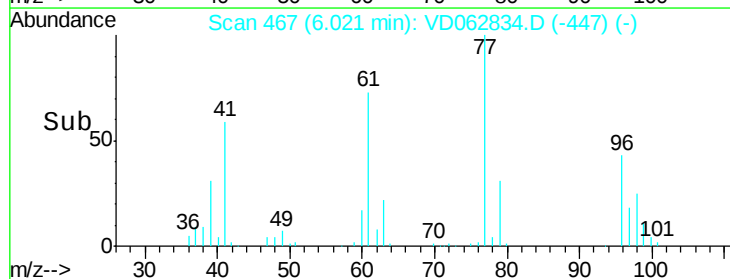
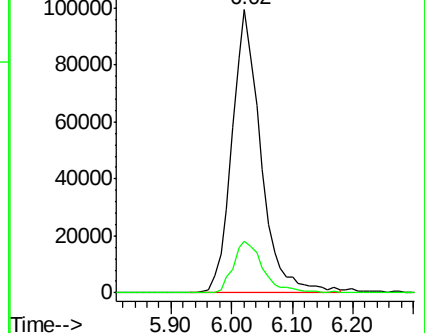
77 100

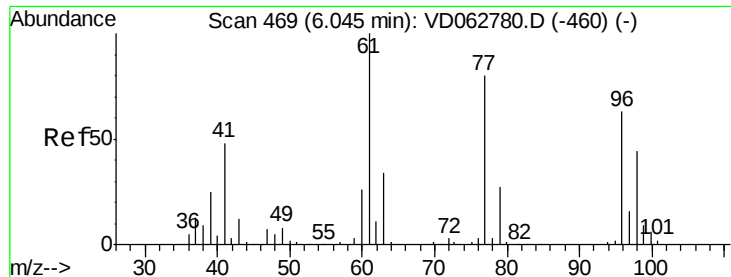
97 18.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



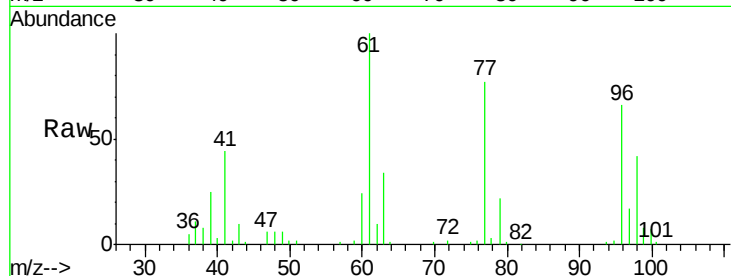


#27

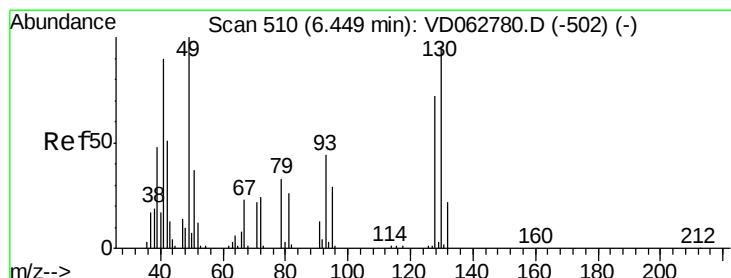
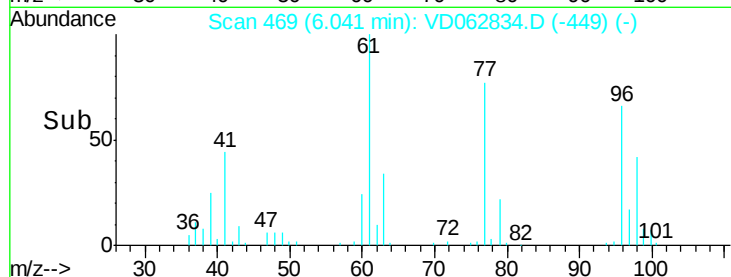
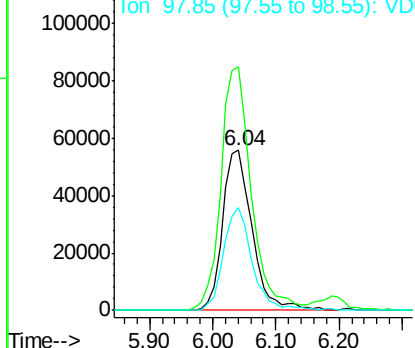
cis-1,2-Dichloroethene
Concen: 20.662 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion: 96 Resp: 180307
Ion Ratio Lower Upper
96 100
61 152.2 0.0 316.0
98 63.9 0.0 138.4



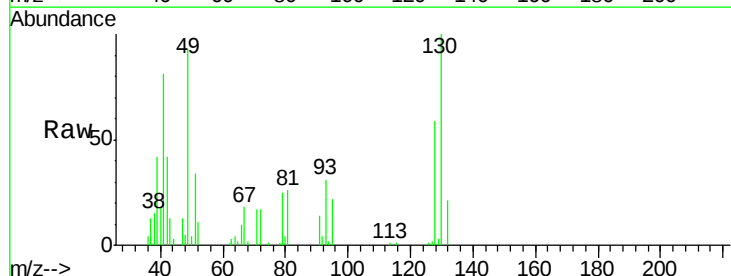
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



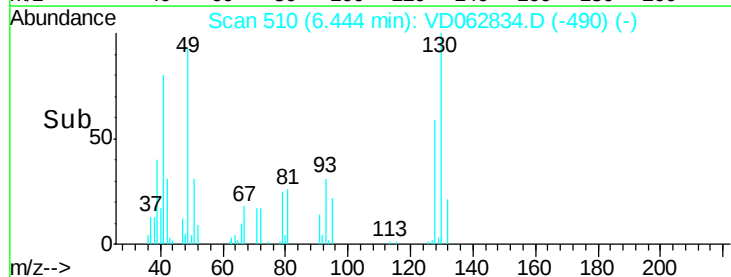
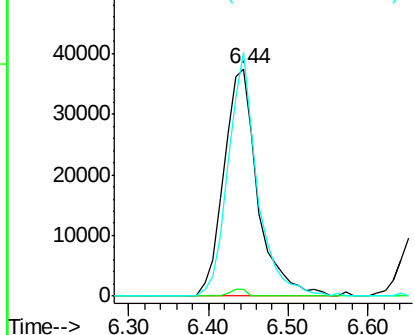
#28

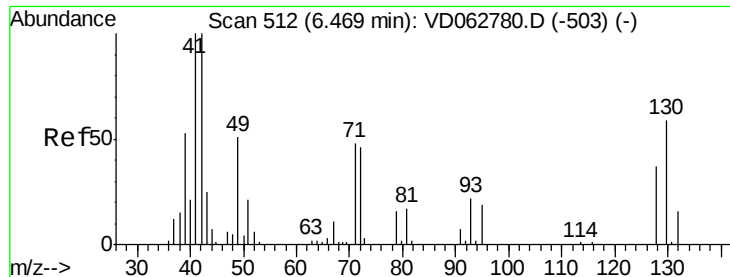
Bromochloromethane
Concen: 20.851 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 49 Resp: 111354
Ion Ratio Lower Upper
49 100
129 2.9 0.0 5.6
130 107.1 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 110.000 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

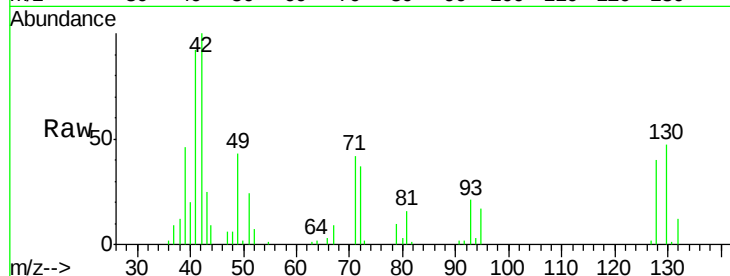
Tot Ion: 42 Resp: 103326

Ion Ratio Lower Upper

42 100

72 38.5 35.0 52.6

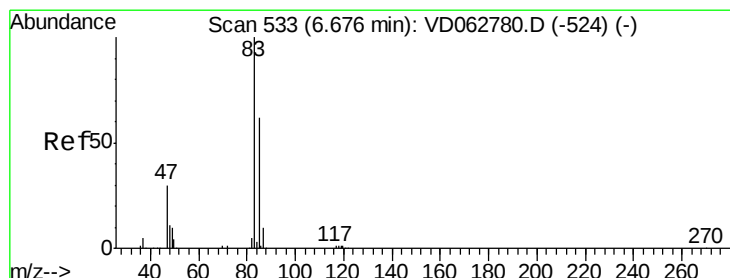
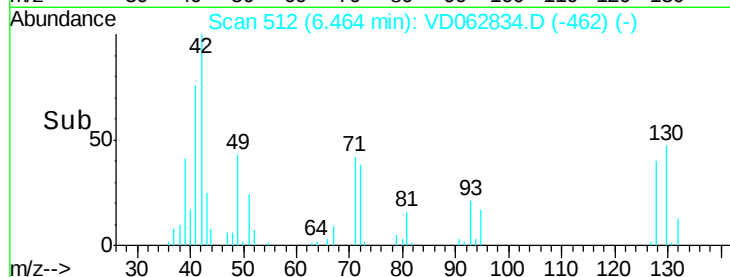
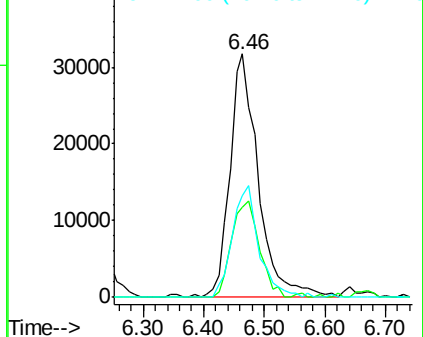
71 42.6 33.3 49.9



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: 19.837 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062834.D

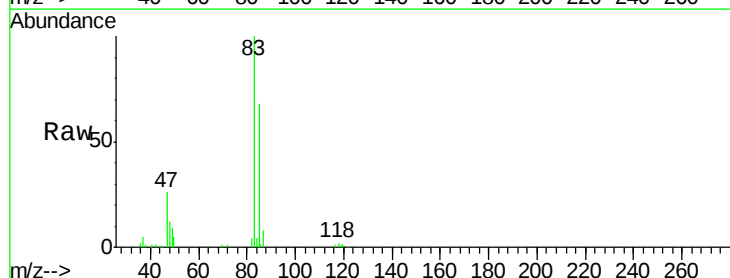
Acq: 24 Jun 2019 12:27

Tgt Ion: 83 Resp: 365799

Ion Ratio Lower Upper

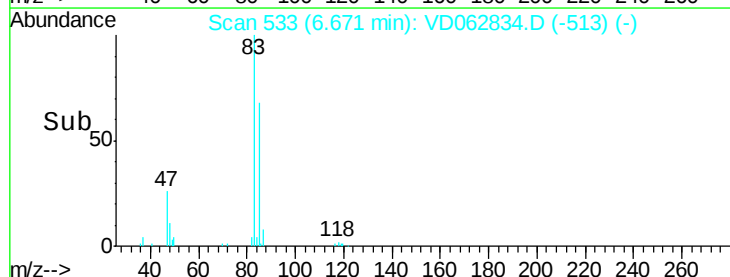
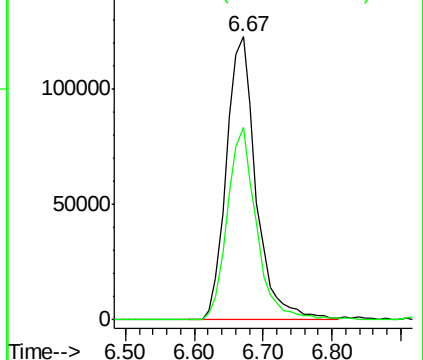
83 100

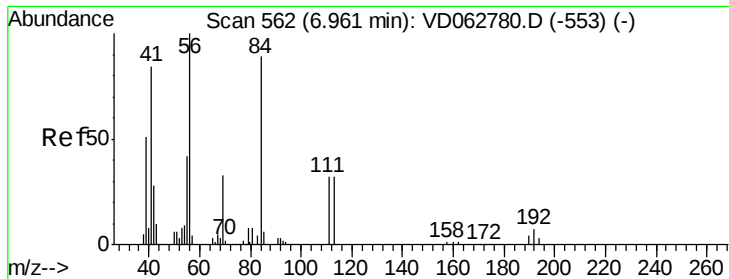
85 68.0 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

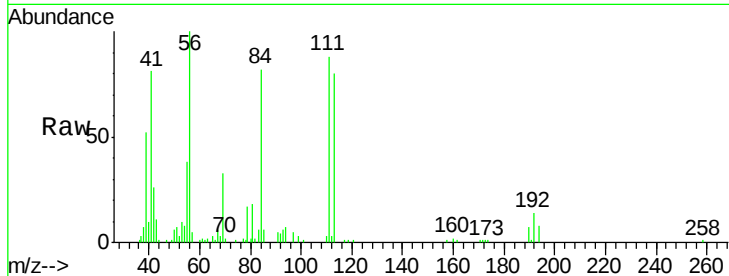




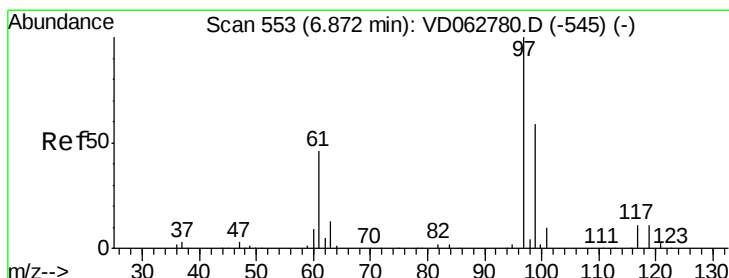
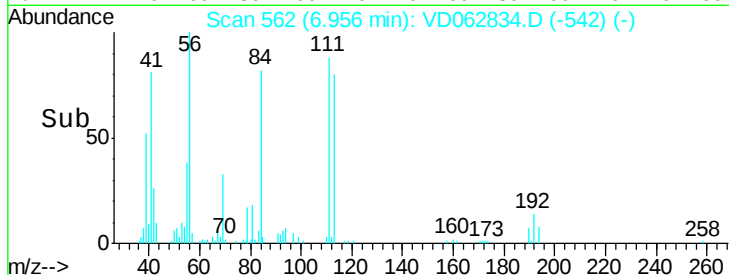
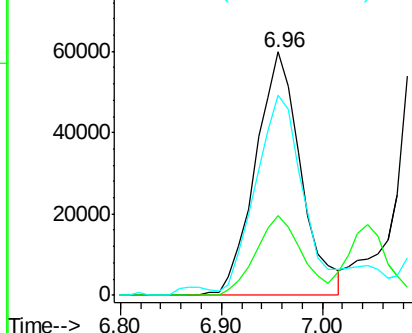
#31
Cyclohexane
Concen: 18.729 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion: 56 Resp: 186690
Ion Ratio Lower Upper
56 100
69 32.6 26.6 39.8
84 82.3 75.5 113.3

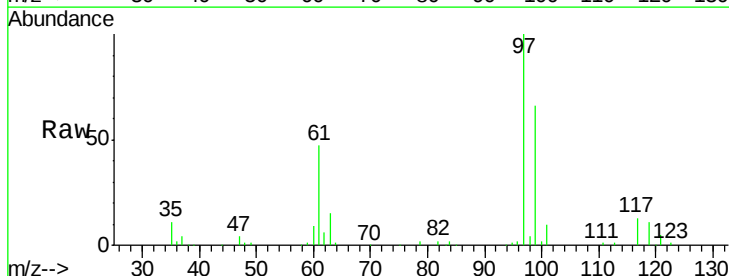


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

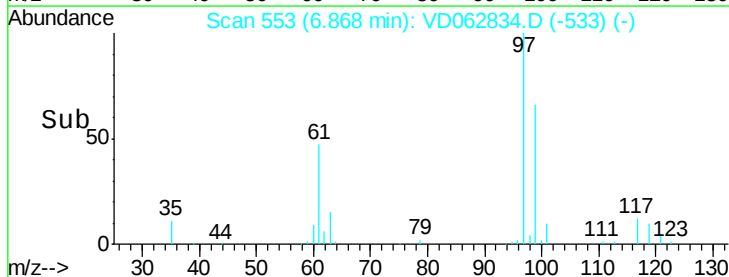
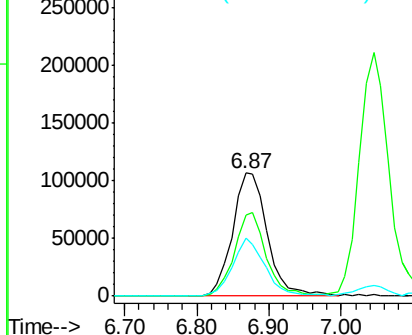


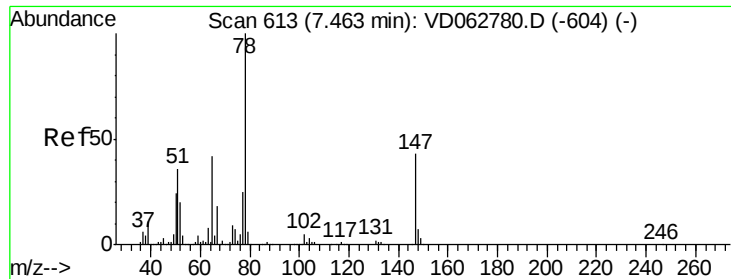
#32
1,1,1-Trichloroethane
Concen: 18.665 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 97 Resp: 358495
Ion Ratio Lower Upper
97 100
99 65.9 47.4 71.2
61 46.8 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 46.935 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

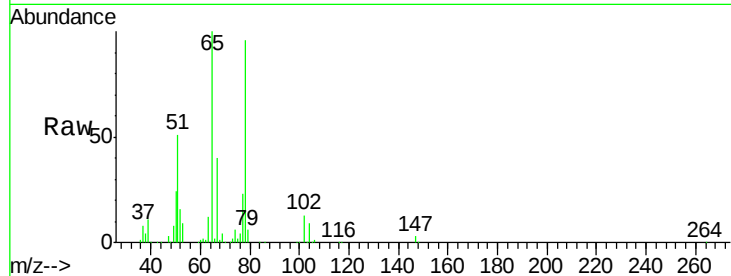
VD0624SBSD01

Tot Ion: 65 Resp: 498216

Ion Ratio Lower Upper

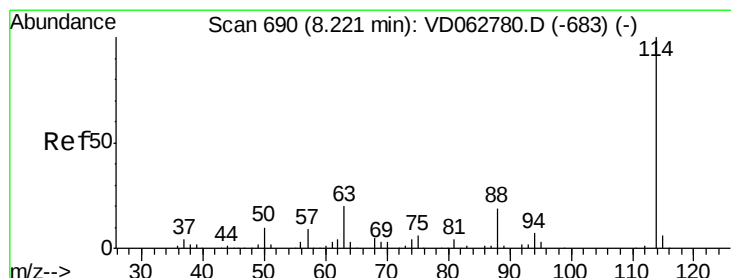
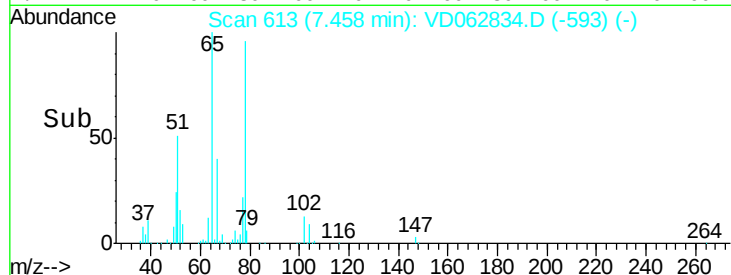
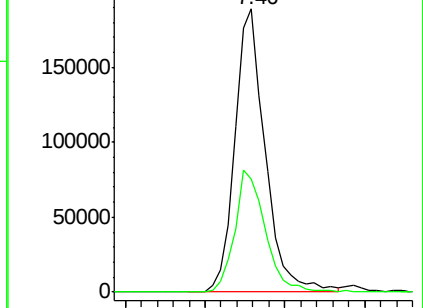
65 100

67 40.1 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

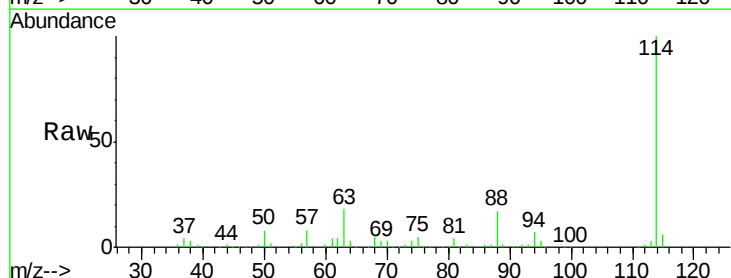
Tgt Ion: 114 Resp: 1245824

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

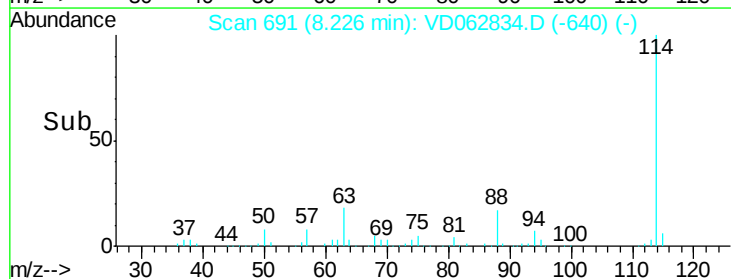
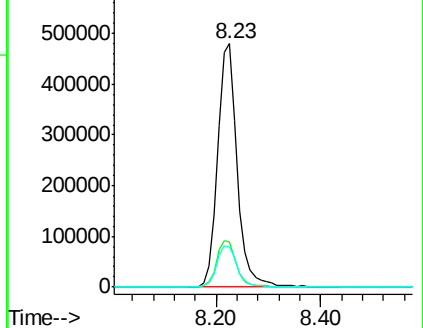
88 16.5 0.0 38.8

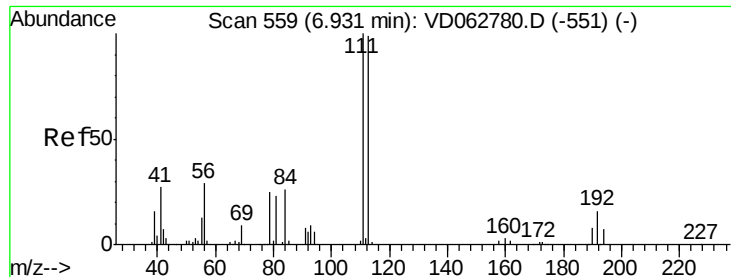


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

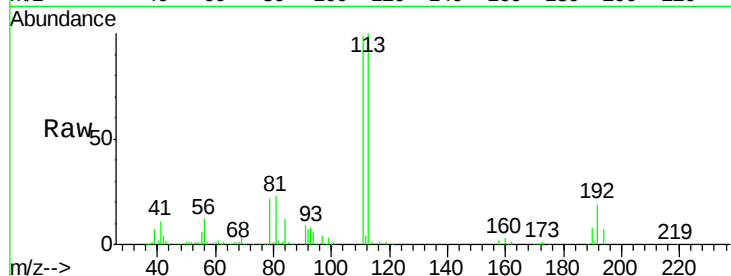




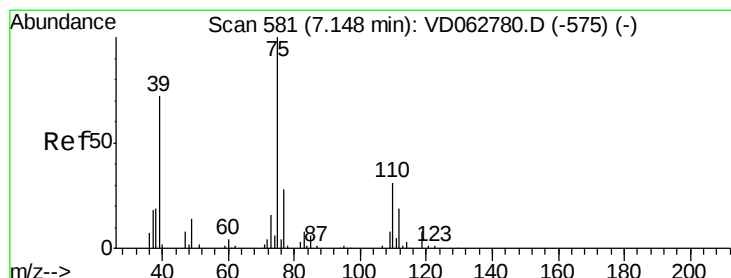
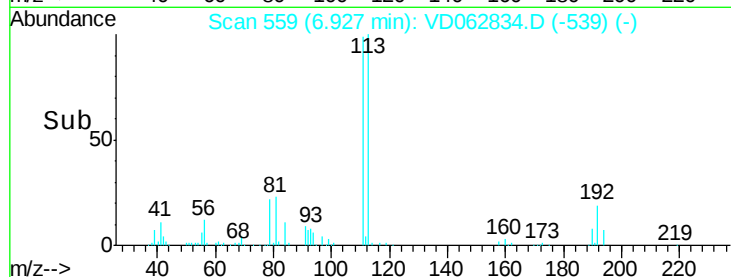
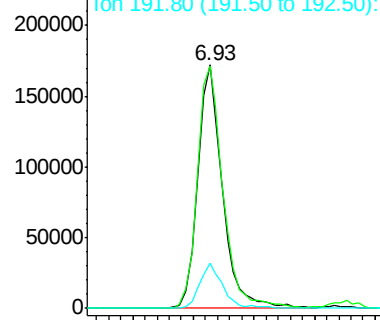
#35
Dibromofluoromethane
Concen: 46.219 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion:113 Resp: 485515
Ion Ratio Lower Upper
113 100
111 99.5 81.2 121.8
192 18.6 12.9 19.3

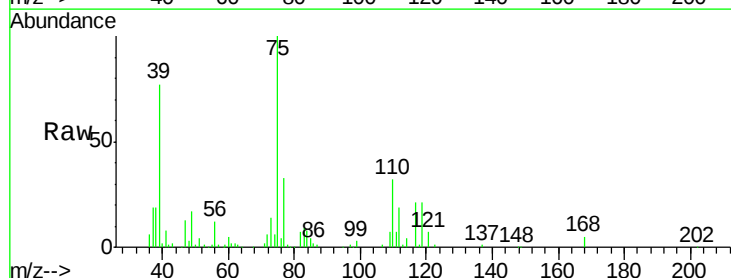


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

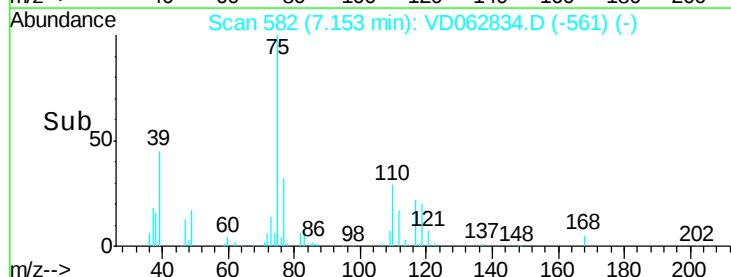
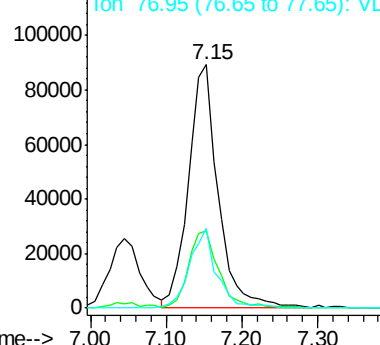


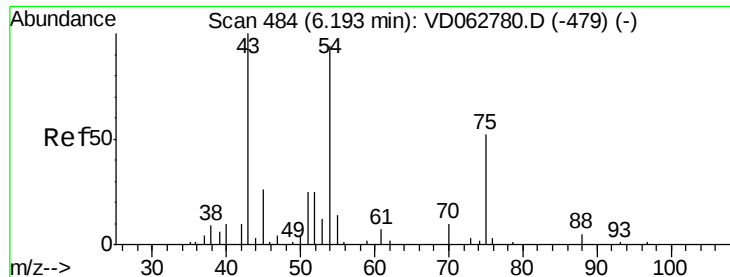
#36
1,1-Dichloropropene
Concen: 20.602 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 75 Resp: 242972
Ion Ratio Lower Upper
75 100
110 32.0 15.0 45.1
77 32.9 22.2 33.2



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

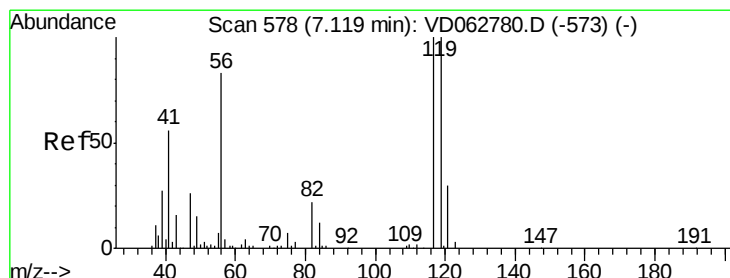
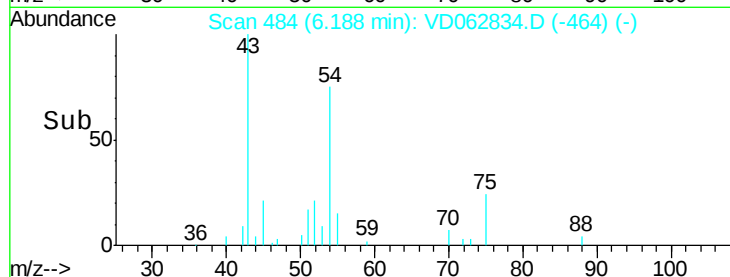
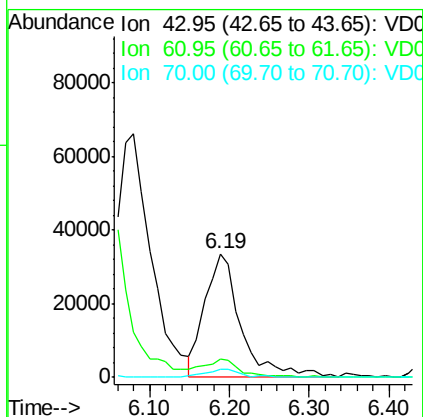
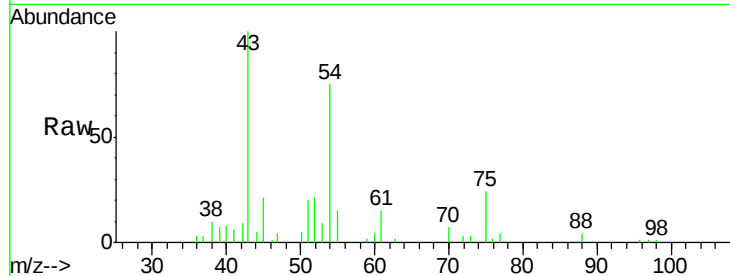




#37
Ethyl Acetate
Concen: 20.751 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

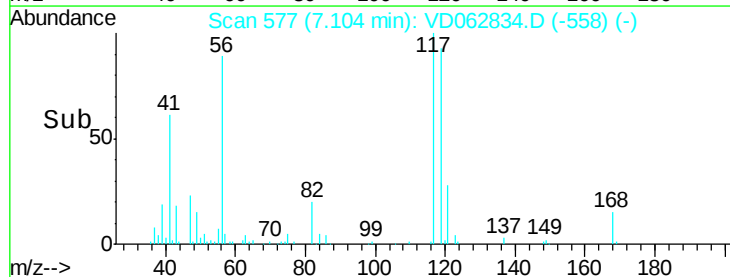
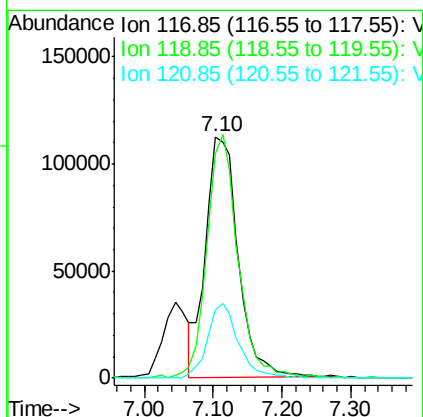
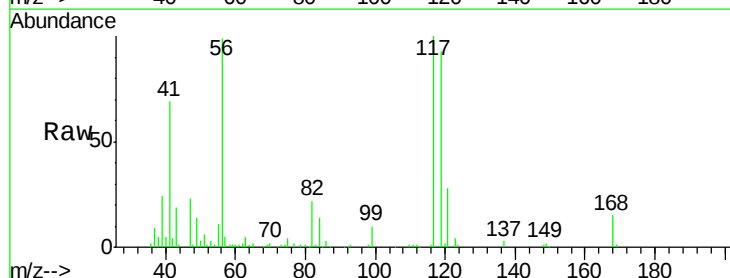
Instrument :
MSVOA_D
ClientSampleID :
VD0624SBSD01

Tot Ion: 43 Resp: 105992
Ion Ratio Lower Upper
43 100
61 14.9 11.6 17.4
70 7.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 20.768 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 117 Resp: 368352
Ion Ratio Lower Upper
117 100
119 93.0 75.4 113.2
121 28.4 22.3 33.5





#39

Methvlcvclohexane

Concen: 20.565 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

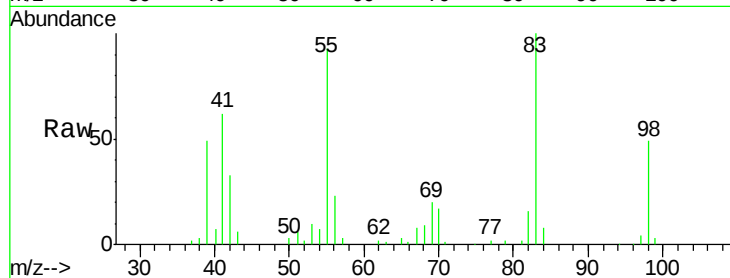
Tot Ion: 83 Resp: 213485

Ion Ratio Lower Upper

83 100

55 93.4 76.6 115.0

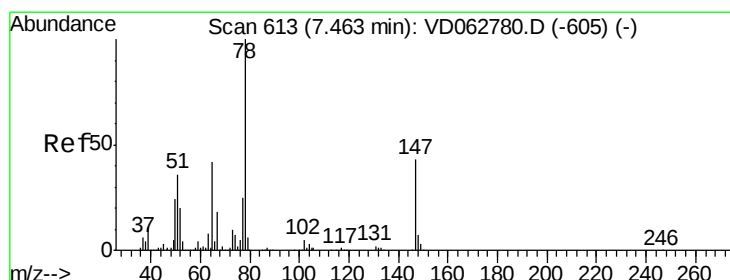
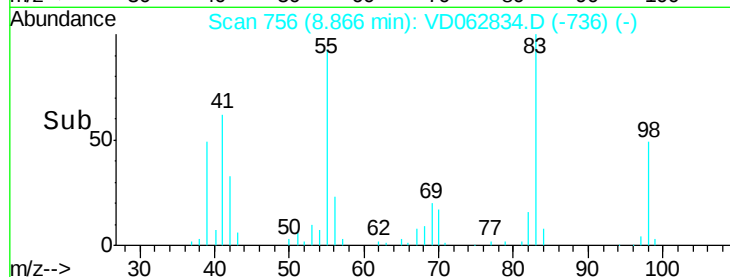
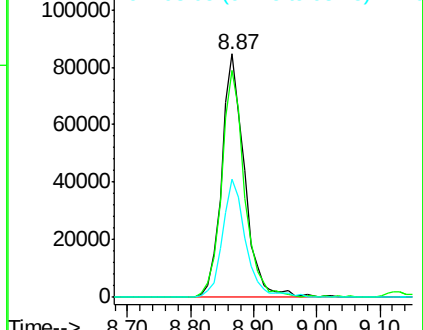
98 48.7 35.7 53.5



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: 21.195 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062834.D

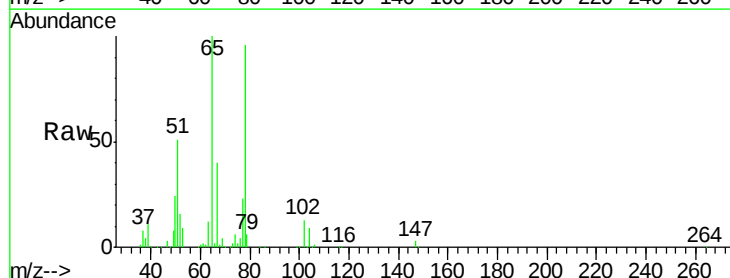
Acq: 24 Jun 2019 12:27

Tgt Ion: 78 Resp: 501759

Ion Ratio Lower Upper

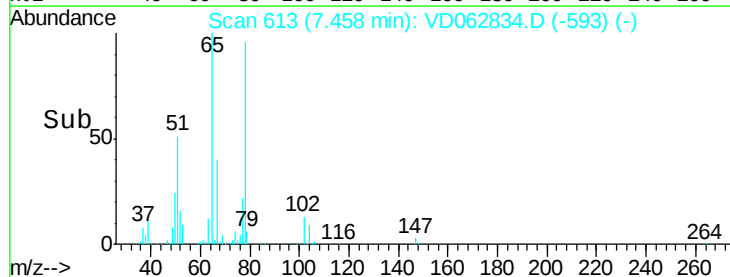
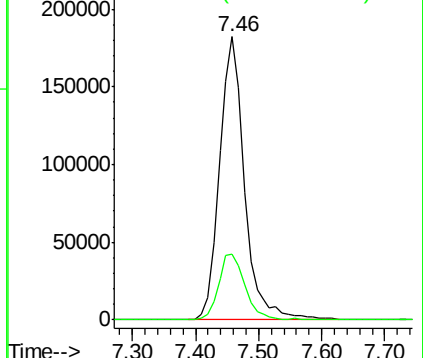
78 100

77 23.5 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

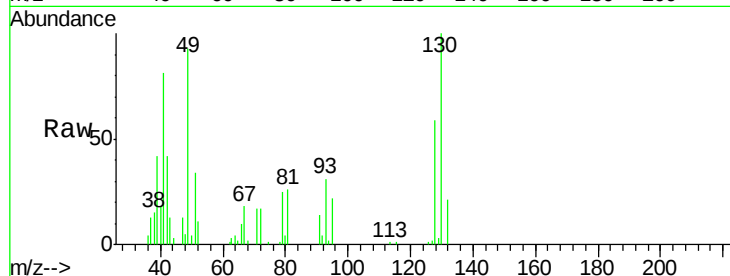




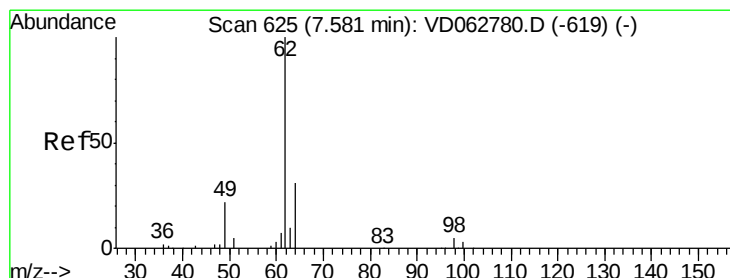
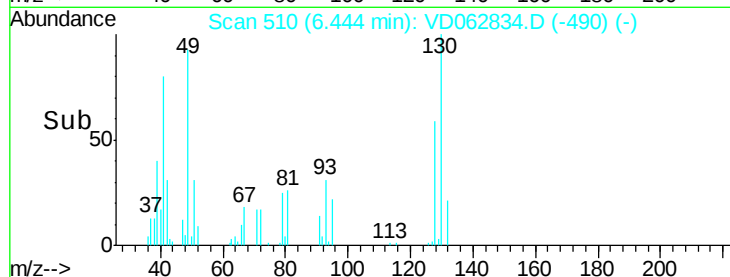
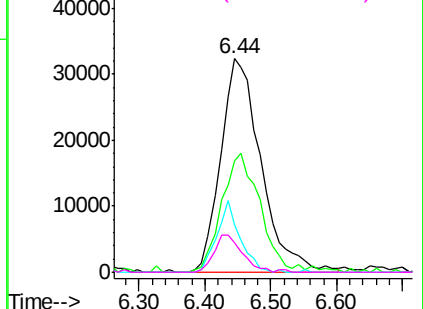
#41
Methacrylonitrile
Concen: 22.246 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion:	41	Resp:	138357
Ion	Ratio	Lower	Upper
41	100		
39	51.9	43.2	64.8
67	22.4	19.9	29.9
52	13.9	10.2	15.4

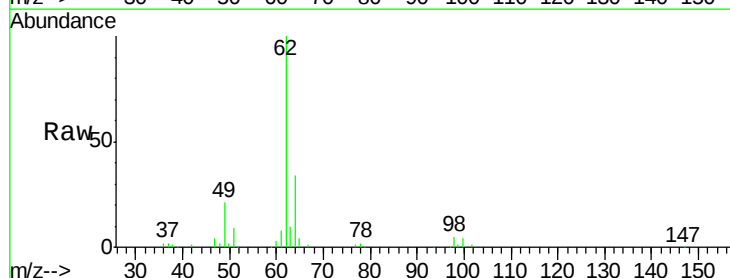


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

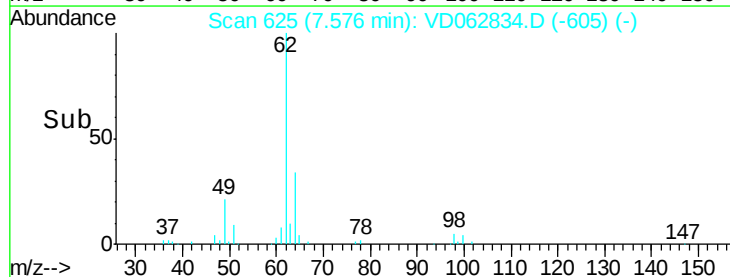
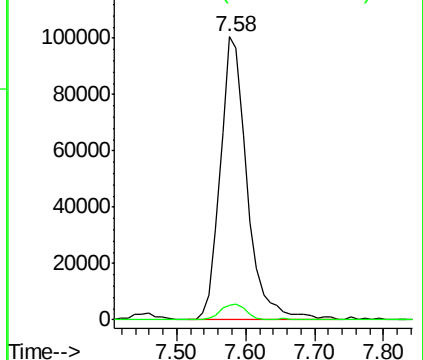


#42
1,2-Dichloroethane
Concen: 20.954 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion:	62	Resp:	270602
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	10.0



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



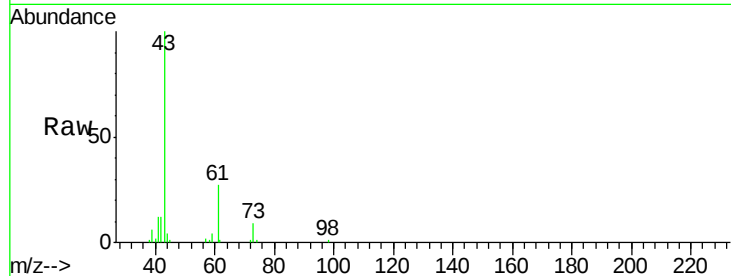


#43

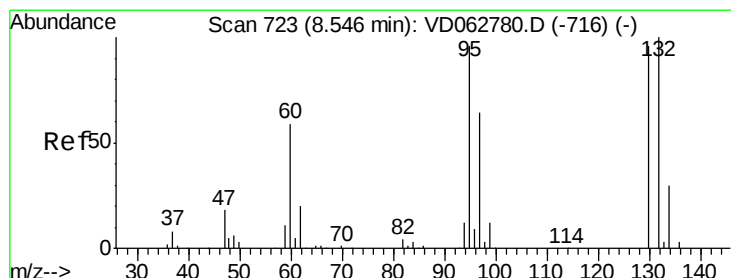
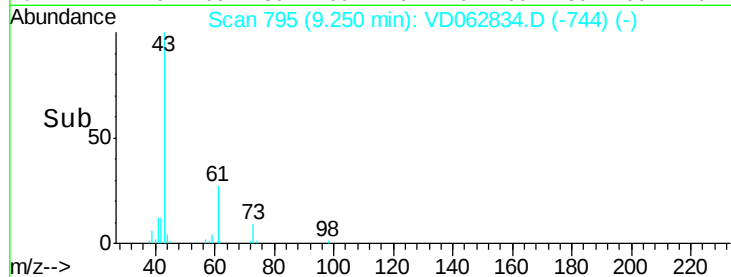
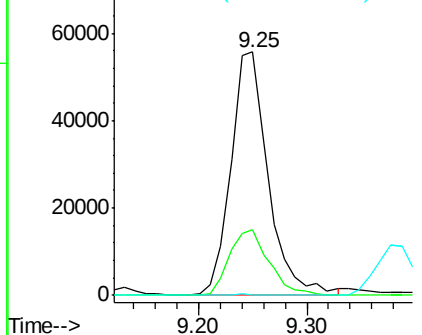
Isopropyl Acetate
 Concen: 21.661 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

Tot Ion	43	Resp	133929
Ion Ratio	Lower	Upper	
43	100		
61	27.2	22.4	33.6
87	0.0	0.3	0.5#



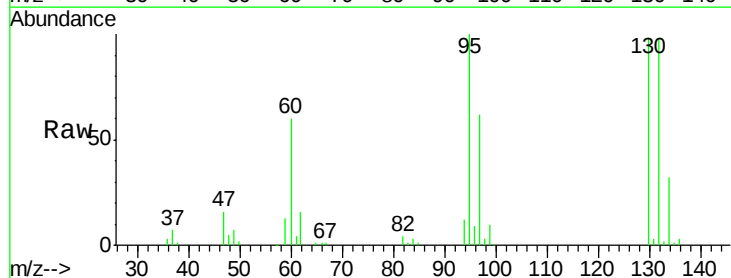
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



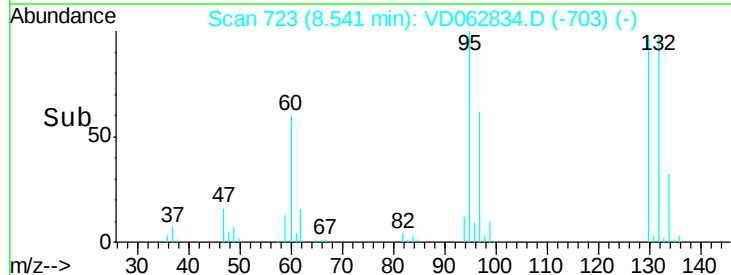
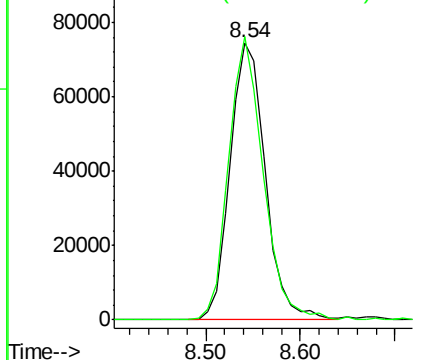
#44

Trichloroethene
 Concen: 20.658 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Tgt Ion	130	Resp	191722
Ion Ratio	Lower	Upper	
130	100		
95	102.0	0.0	201.6



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





#45

1,2-Dichloropropane

Concen: 20.150 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

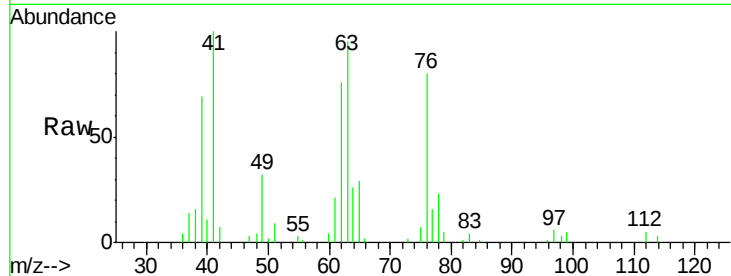
VD0624SBSD01

Tot Ion: 63 Resp: 118615

Ion Ratio Lower Upper

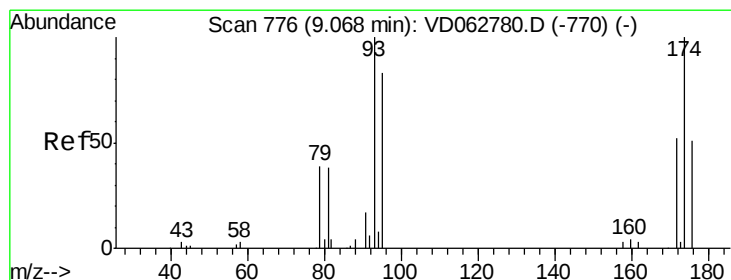
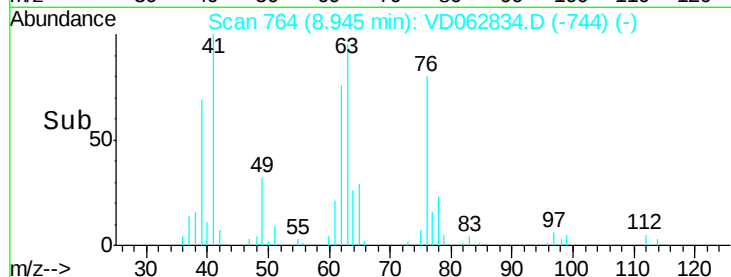
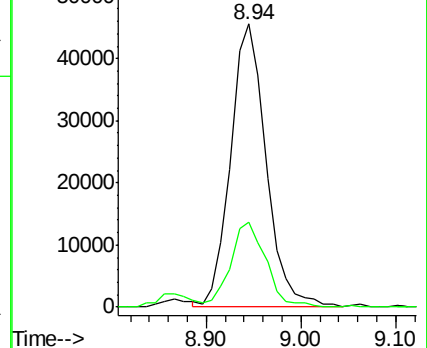
63 100

65 30.2 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.800 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

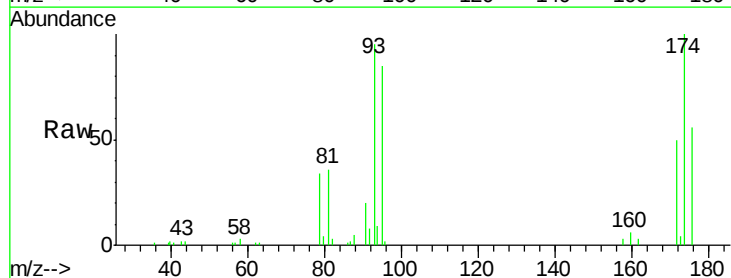
Tgt Ion: 93 Resp: 105175

Ion Ratio Lower Upper

93 100

95 89.1 66.6 100.0

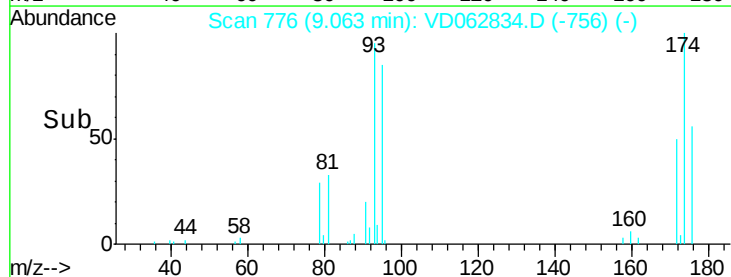
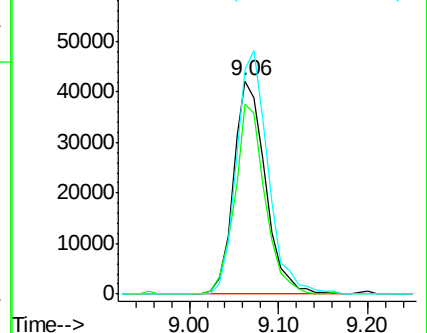
174 105.3 79.7 119.5

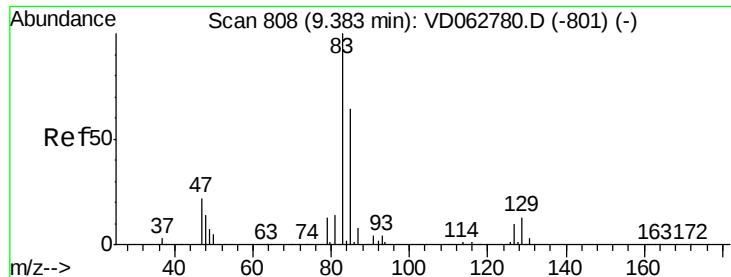


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.941 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

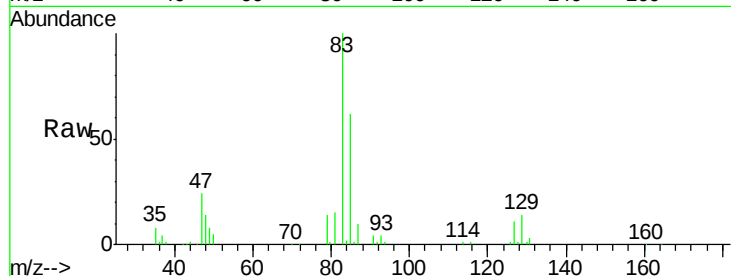
Tot Ion: 83 Resp: 288140

Ion Ratio Lower Upper

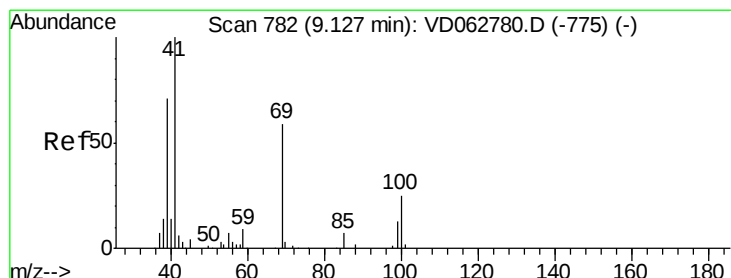
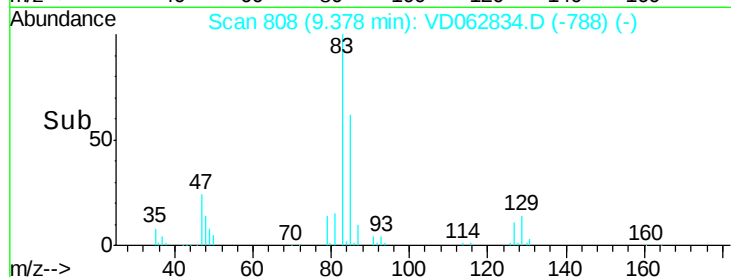
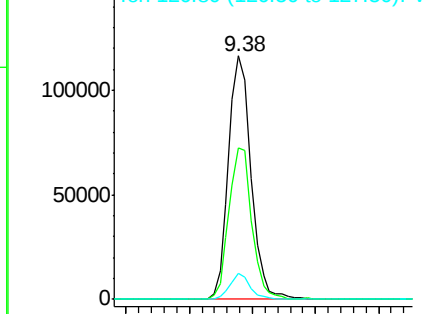
83 100

85 62.1 51.6 77.4

127 10.8 7.8 11.6



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: 21.332 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

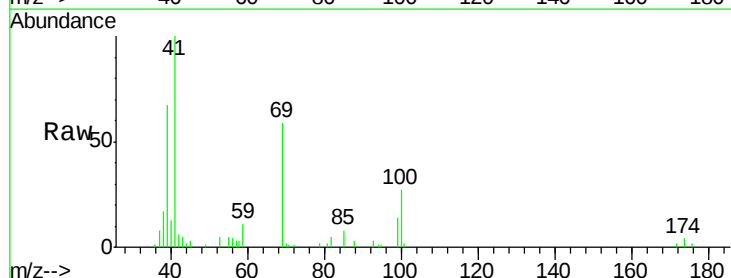
Tgt Ion: 41 Resp: 93730

Ion Ratio Lower Upper

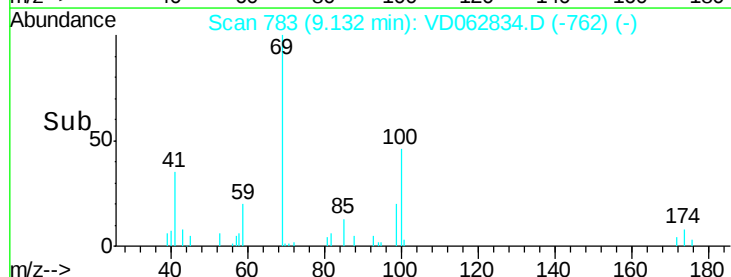
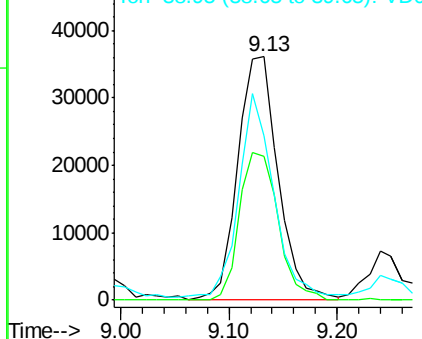
41 100

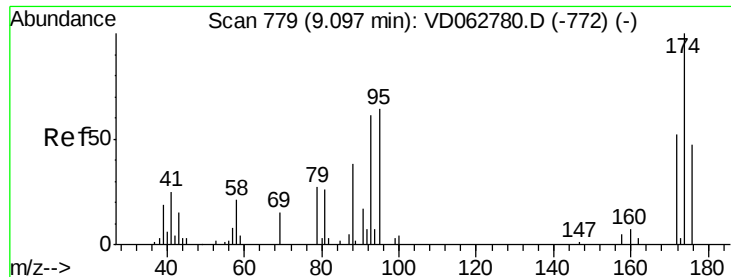
69 59.3 47.2 70.8

39 67.5 57.4 86.2



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

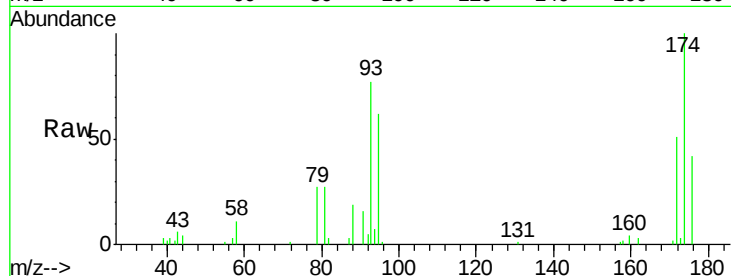




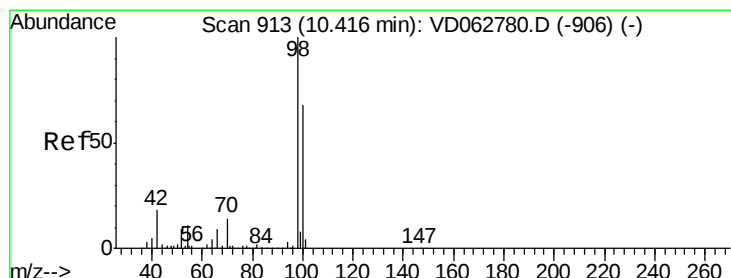
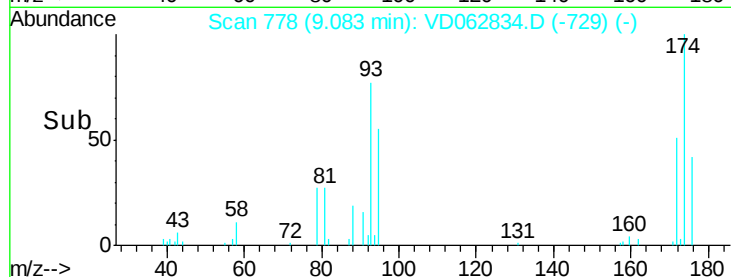
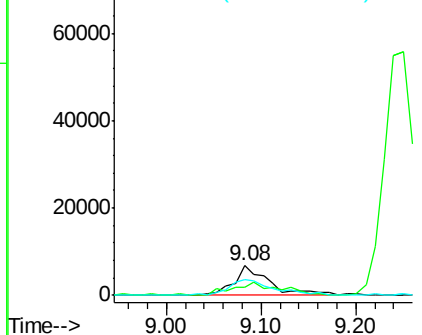
#49
1,4-Dioxane
Concen: 482.674 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion: 88 Resp: 17644
Ion Ratio Lower Upper
88 100
43 29.0 32.1 48.1#
58 54.3 44.1 66.1

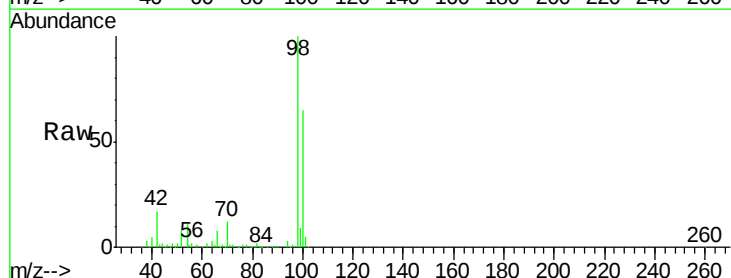


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

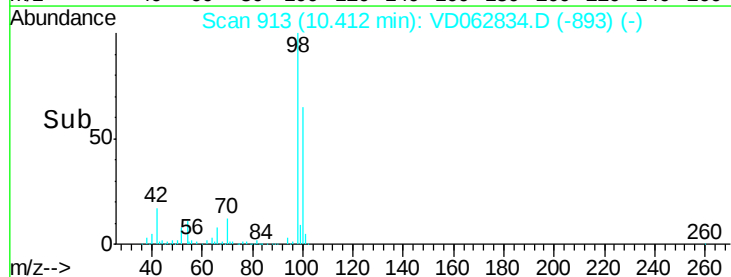
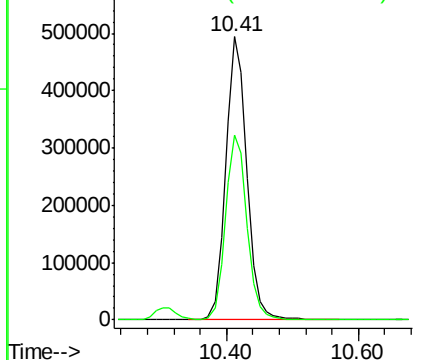


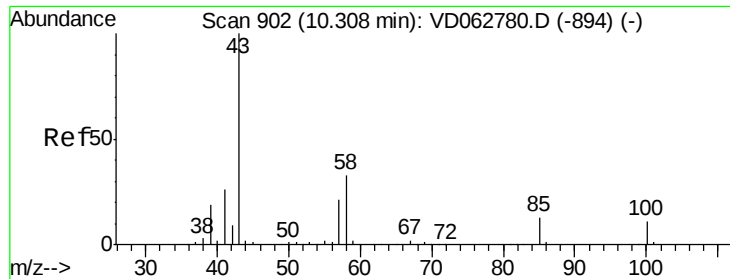
#50
Toluene-d8
Concen: 48.302 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 98 Resp: 1104332
Ion Ratio Lower Upper
98 100
100 65.5 54.7 82.1



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





#51

4-Methyl-2-Pentanone

Concen: 110.509 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

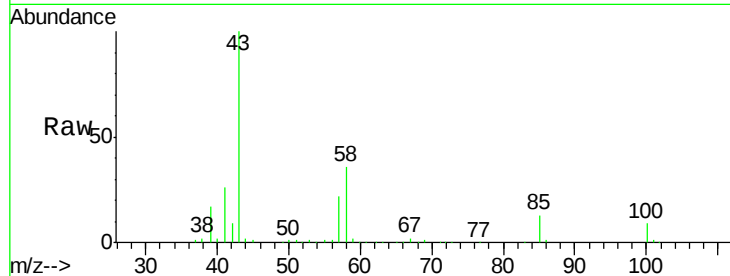
VD0624SBS01

Tot Ion: 43 Resp: 484434

Ion Ratio Lower Upper

43 100

58 36.2 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

250000

200000

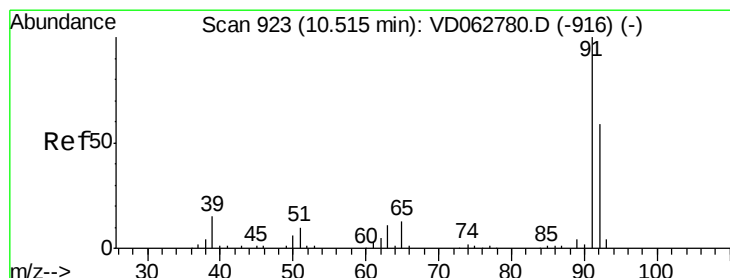
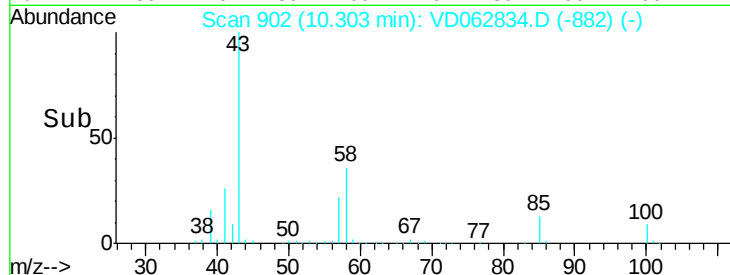
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.616 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062834.D

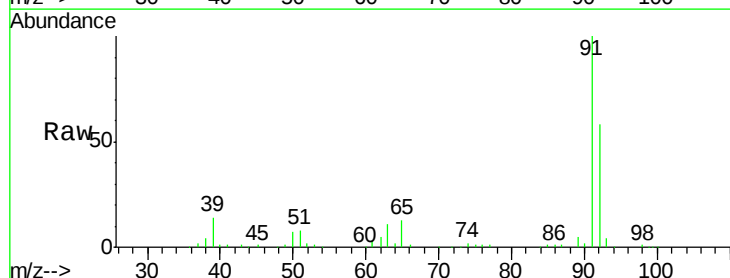
Acq: 24 Jun 2019 12:27

Tgt Ion: 92 Resp: 343981

Ion Ratio Lower Upper

92 100

91 172.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

300000

250000

200000

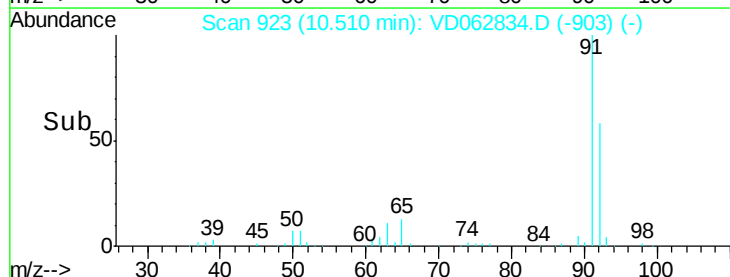
150000

100000

50000

0

Time-->

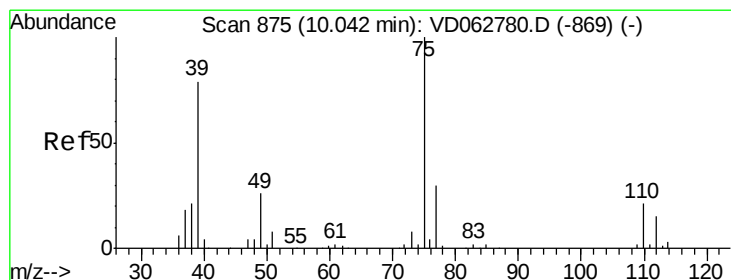
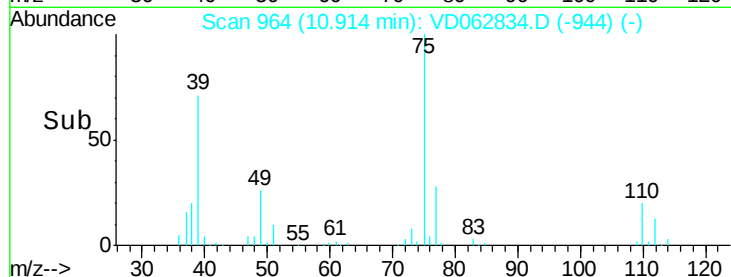
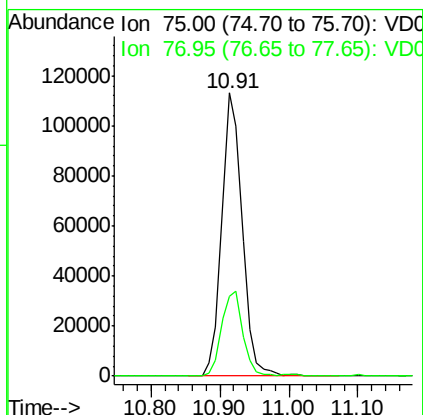
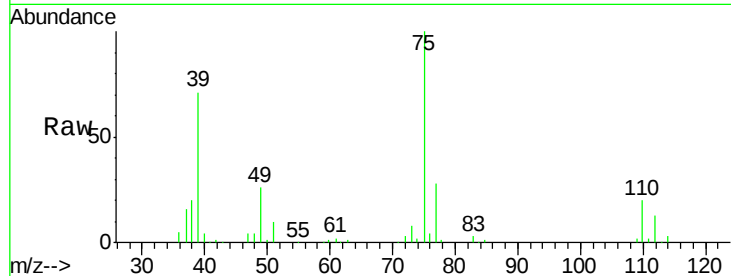




#53
 t-1,3-Dichloropropene
 Concen: 21.748 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

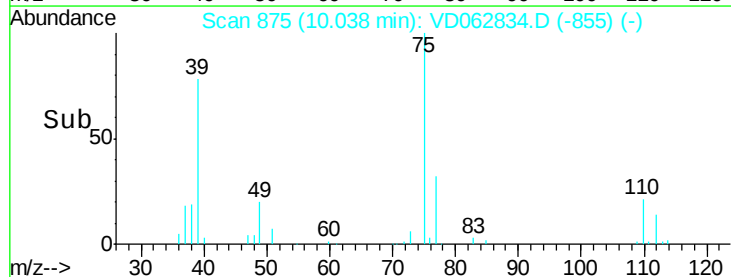
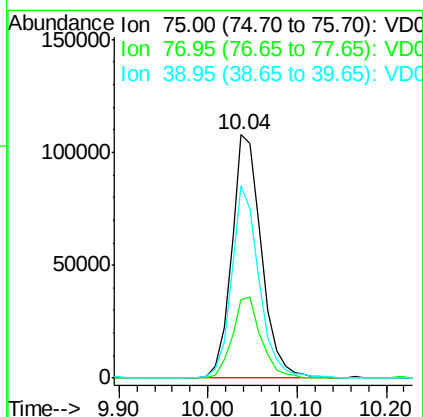
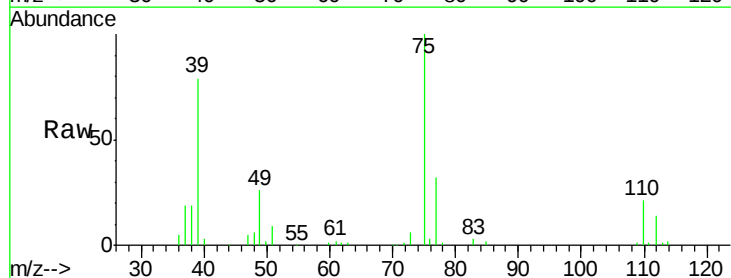
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

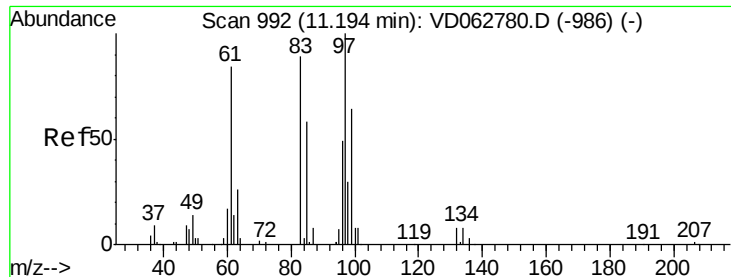
Tot Ion: 75 Resp: 233759
 Ion Ratio Lower Upper
 75 100
 77 28.4 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.447 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Tgt Ion: 75 Resp: 250561
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.2 36.2
 39 79.0 63.5 95.3

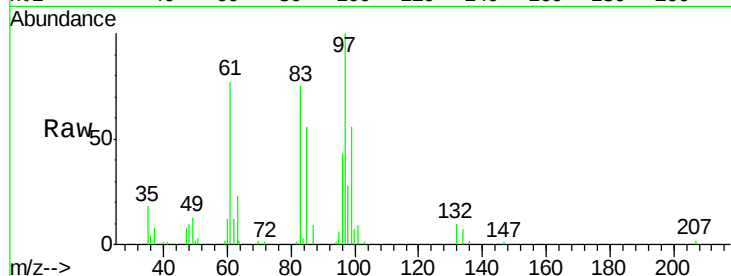




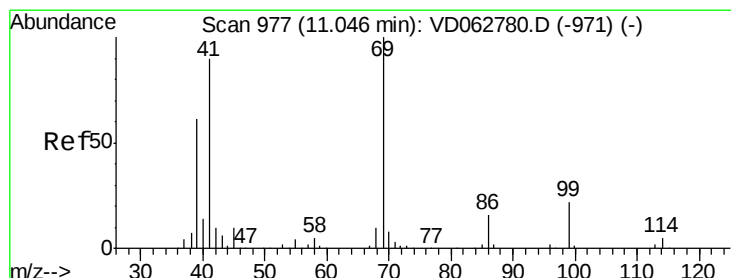
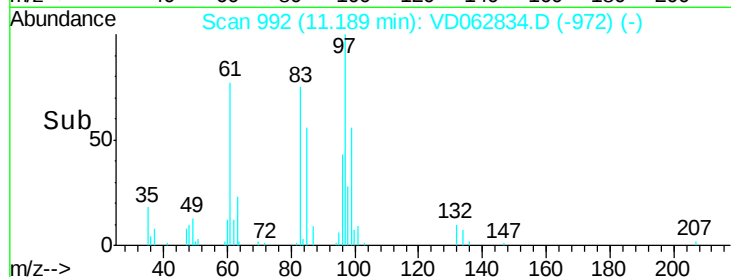
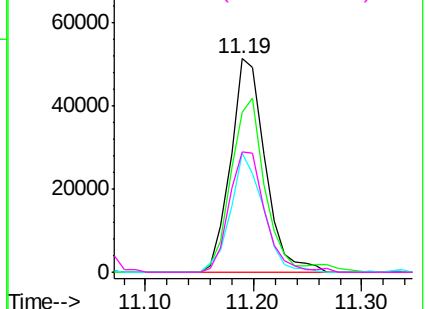
#55
 1,1,2-Trichloroethane
 Concen: 20.732 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

Tot Ion: 97 Resp: 113343
 Ion Ratio Lower Upper
 97 100
 83 75.0 71.0 106.4
 85 55.5 46.6 69.8
 99 56.3 51.4 77.0

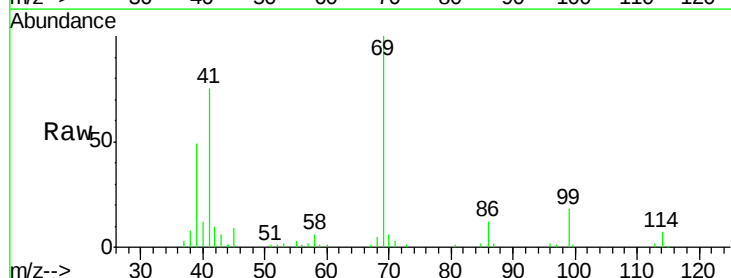


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

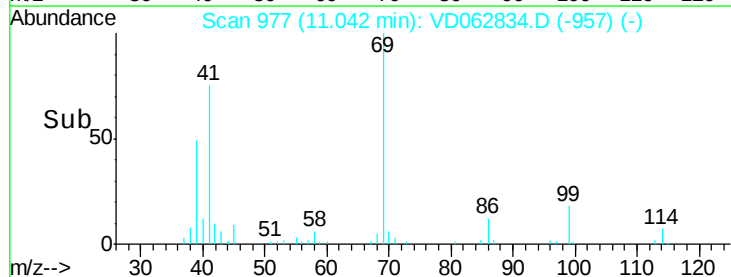
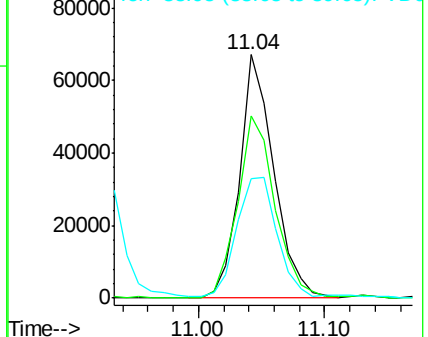


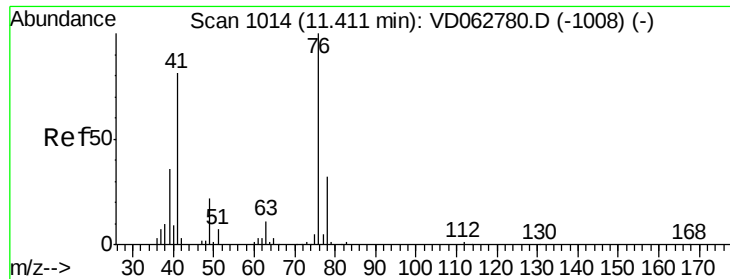
#56
 Ethyl methacrylate
 Concen: 21.523 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Tgt Ion: 69 Resp: 125751
 Ion Ratio Lower Upper
 69 100
 41 74.8 72.0 108.0
 39 49.0 49.5 74.3#



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: 21.967 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

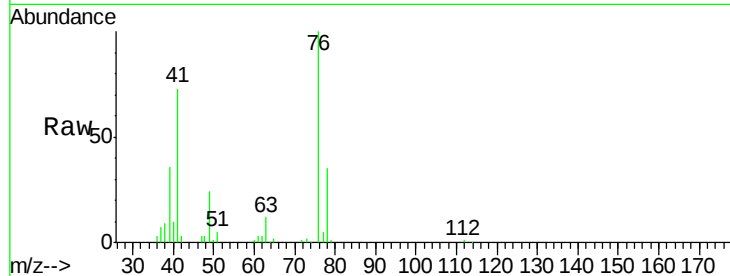
VD0624SBSD01

Tot Ion: 76 Resp: 183891

Ion Ratio Lower Upper

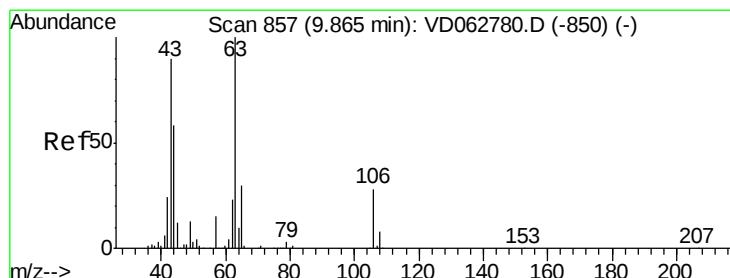
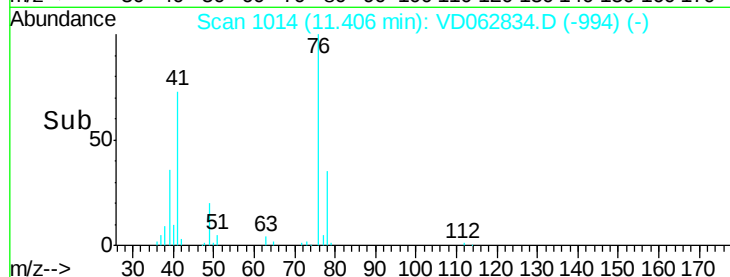
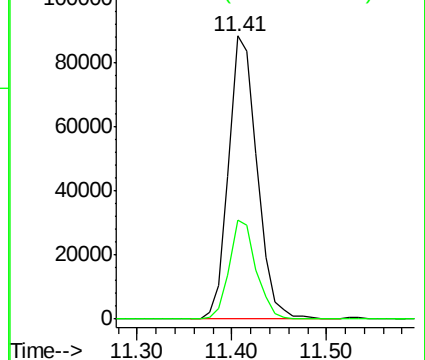
76 100

78 35.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 116.472 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062834.D

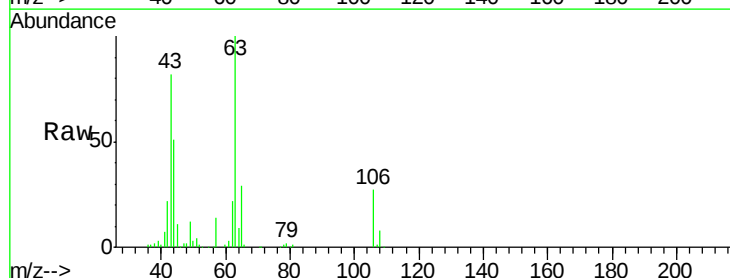
Acq: 24 Jun 2019 12:27

Tgt Ion: 63 Resp: 349362

Ion Ratio Lower Upper

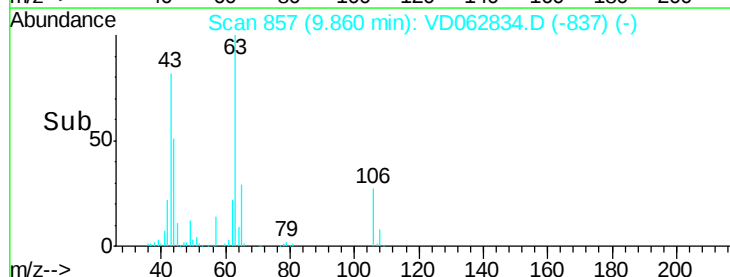
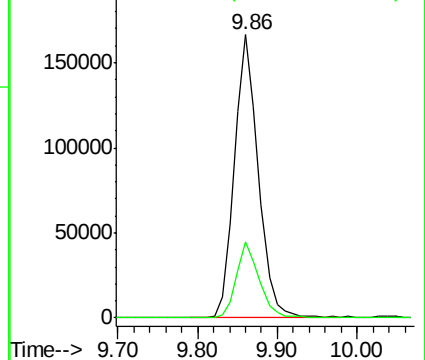
63 100

106 26.8 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 115.842 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

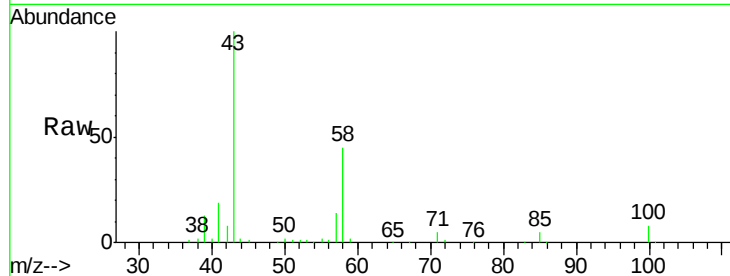
VD0624SBSD01

Tot Ion: 43 Resp: 361657

Ion Ratio Lower Upper

43 100

58 44.6 22.4 67.2



Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-1017) (-)

Ion 57.95 (57.65 to 58.65): VD062780.D (-1017) (-)

11.53

200000

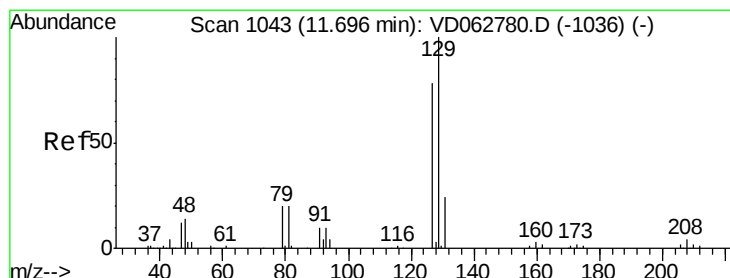
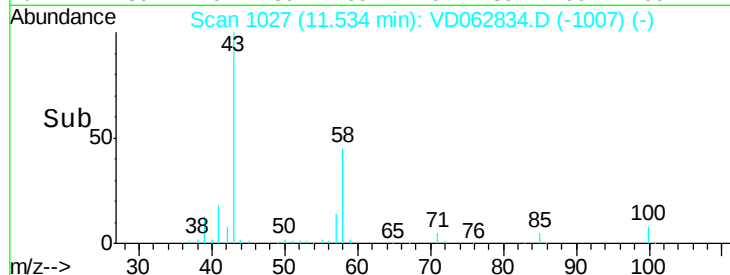
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 21.306 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VD062834.D

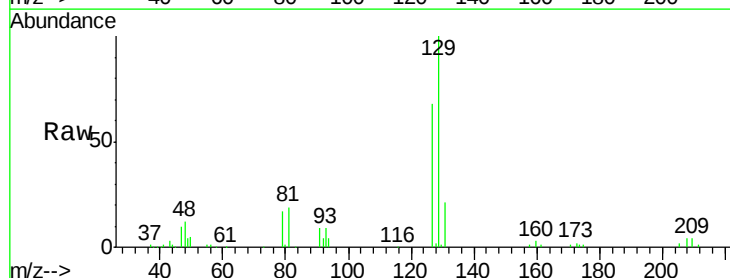
Acq: 24 Jun 2019 12:27

Tgt Ion: 129 Resp: 216971

Ion Ratio Lower Upper

129 100

127 67.8 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): VD062780.D (-1036) (-)

Ion 126.80 (126.50 to 127.50): VD062780.D (-1036) (-)

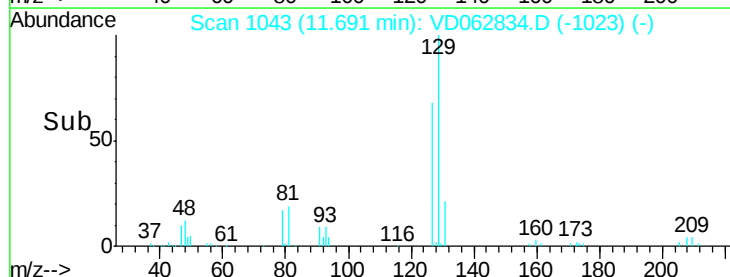
11.69

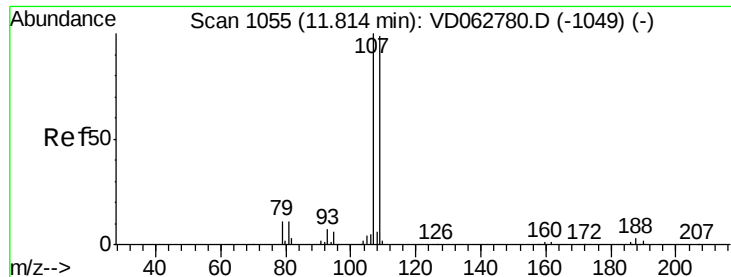
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 21.251 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

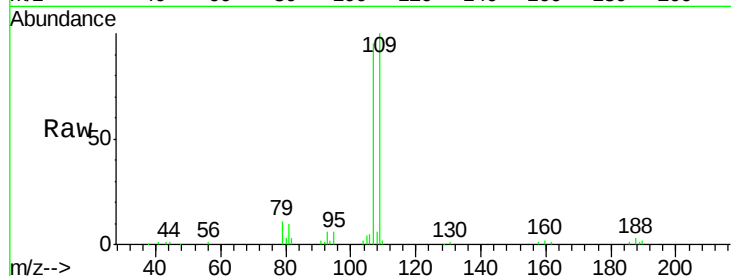
VD0624SBSD01

Tot Ion:107 Resp: 137218

Ion Ratio Lower Upper

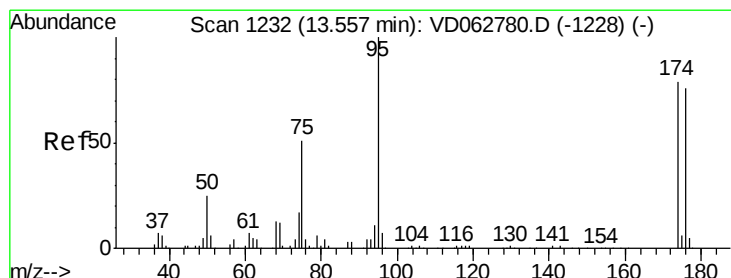
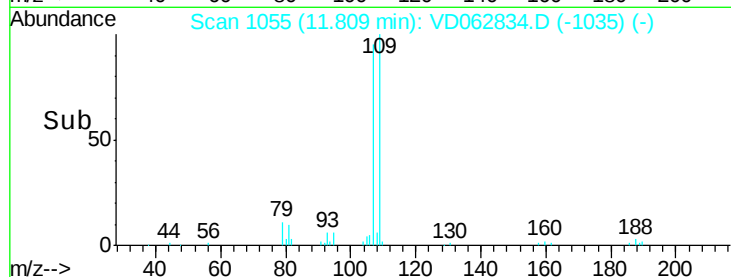
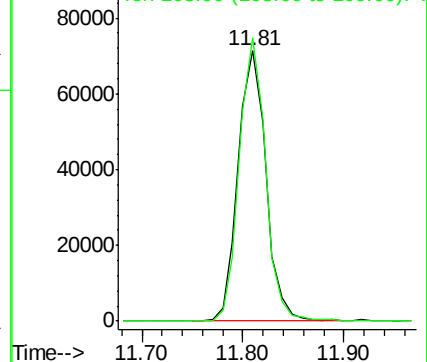
107 100

109 104.8 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 48.175 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

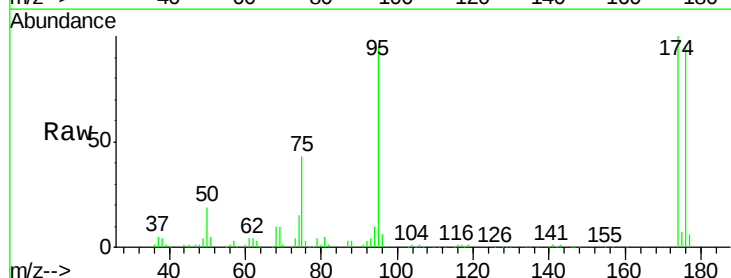
Tgt Ion: 95 Resp: 500824

Ion Ratio Lower Upper

95 100

174 105.2 0.0 158.0

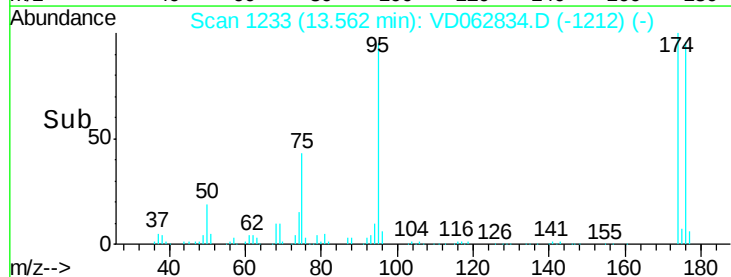
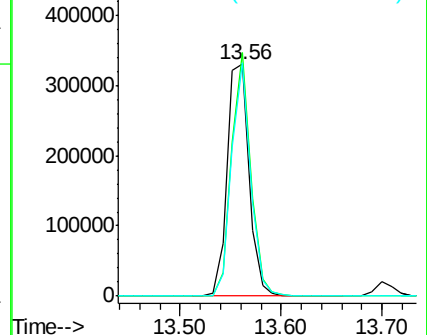
176 101.0 0.0 151.6

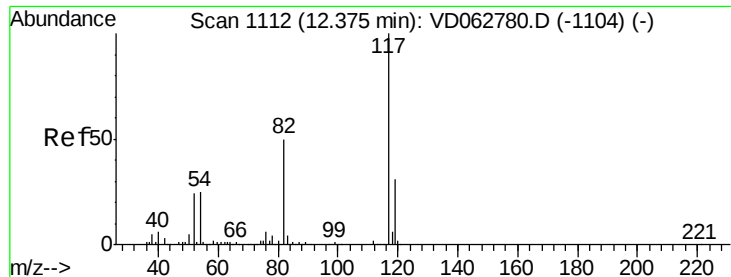


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

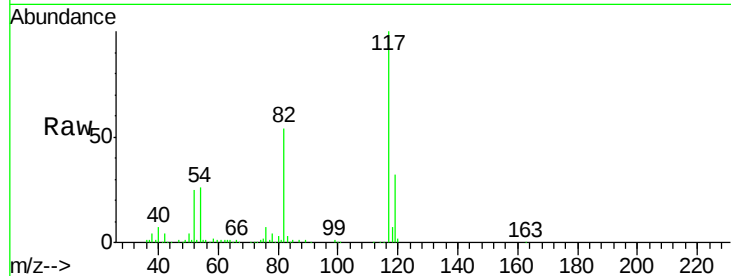




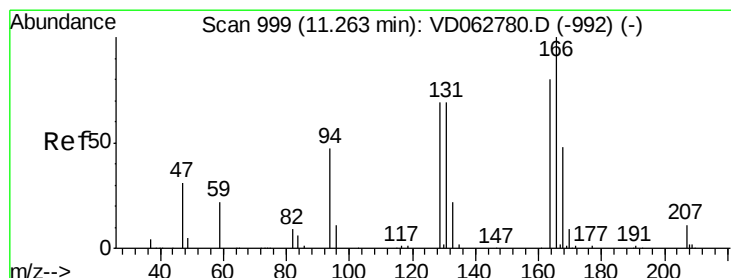
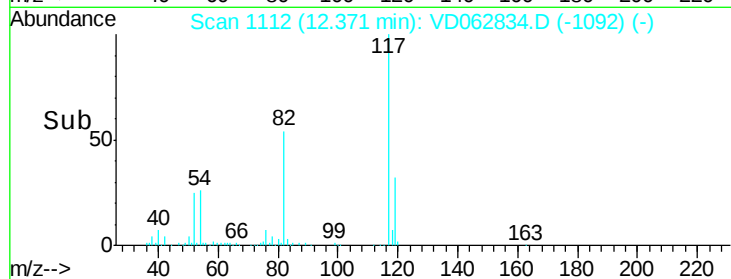
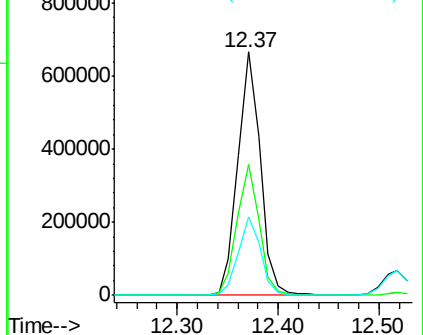
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion:117 Resp: 1037564
Ion Ratio Lower Upper
117 100
82 53.9 40.4 60.6
119 32.3 25.2 37.8

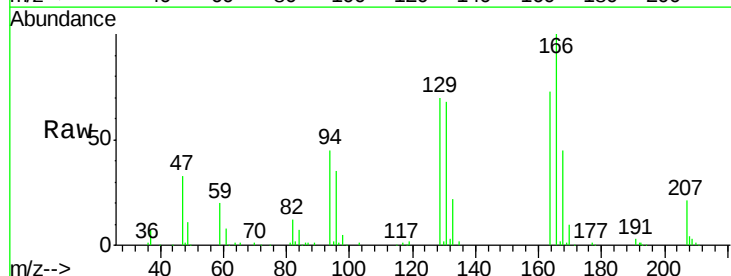


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

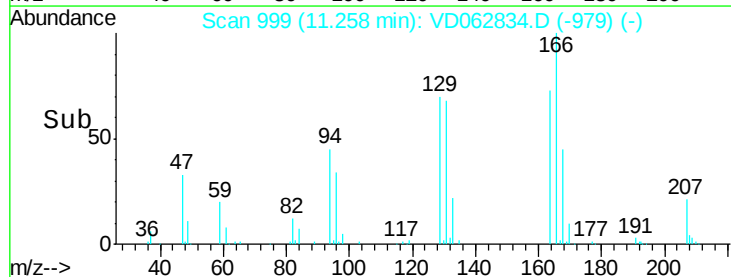
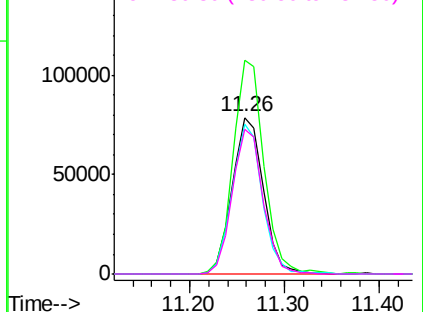


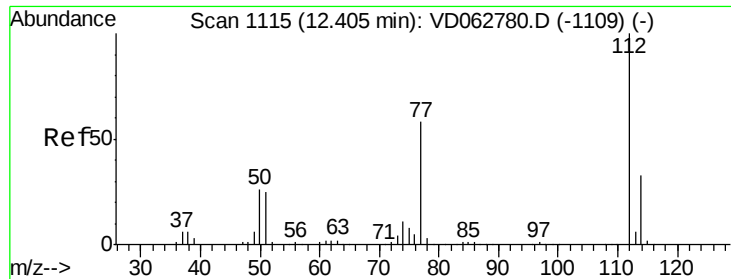
#64
Tetrachloroethene
Concen: 20.980 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion:164 Resp: 179157
Ion Ratio Lower Upper
164 100
166 136.5 100.6 150.8
129 95.7 69.4 104.0
131 92.5 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

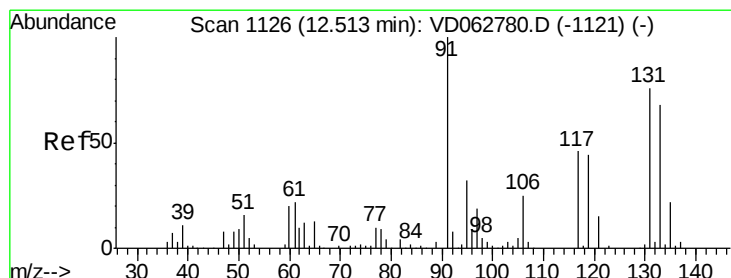
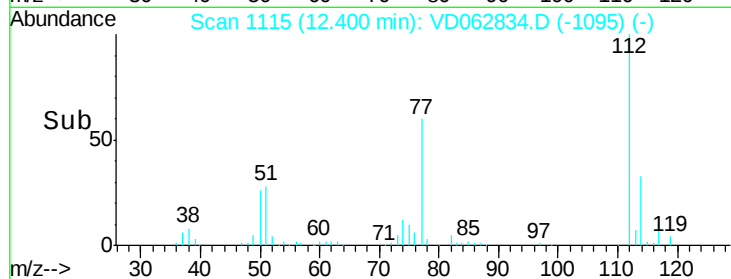
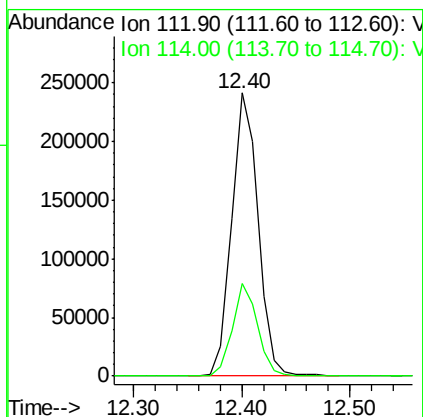
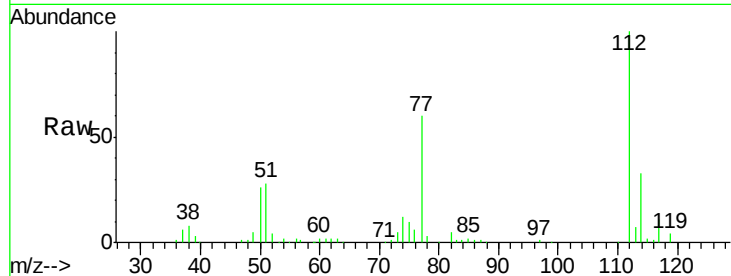




#65
Chlorobenzene
Concen: 21.262 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

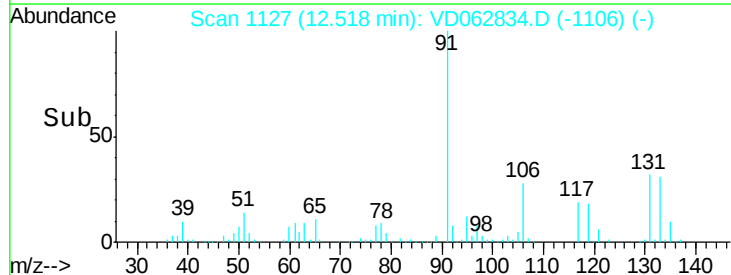
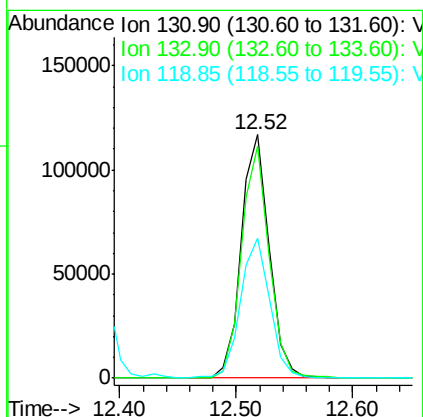
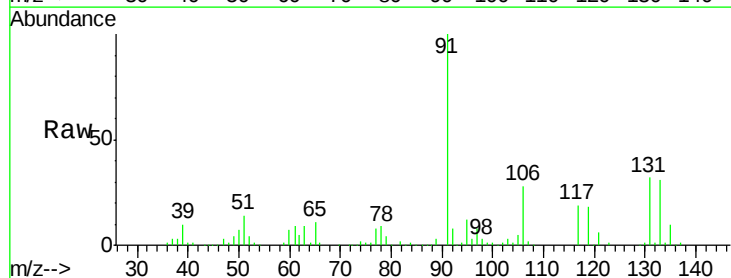
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion:112 Resp: 409413
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.596 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion:131 Resp: 194480
Ion Ratio Lower Upper
131 100
133 95.4 44.5 133.3
119 57.3 28.6 85.9

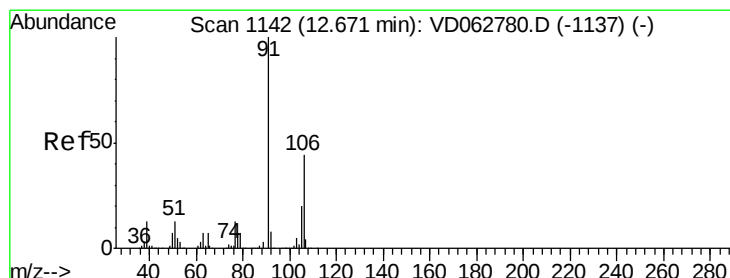
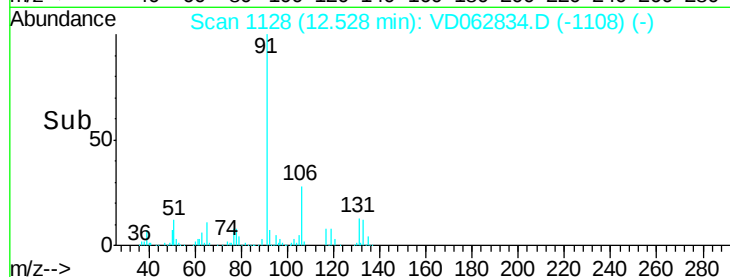
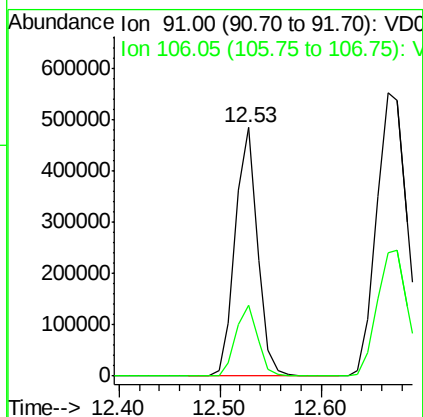
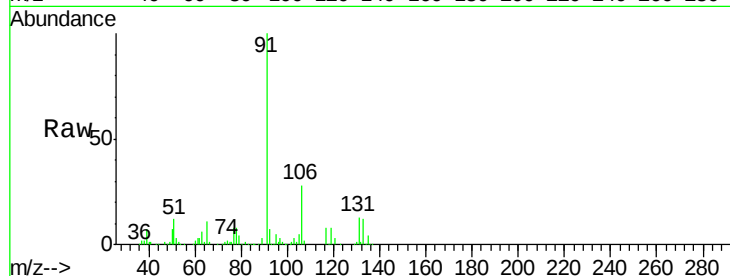




#67
Ethyl Benzene
Concen: 21.497 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

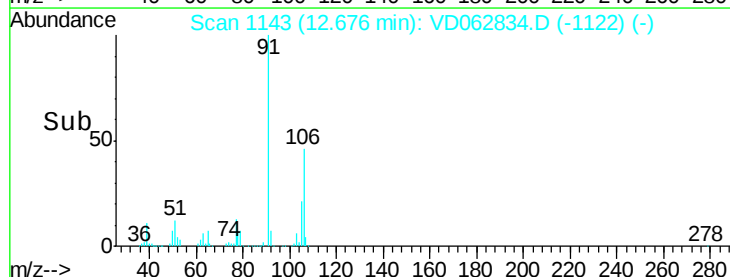
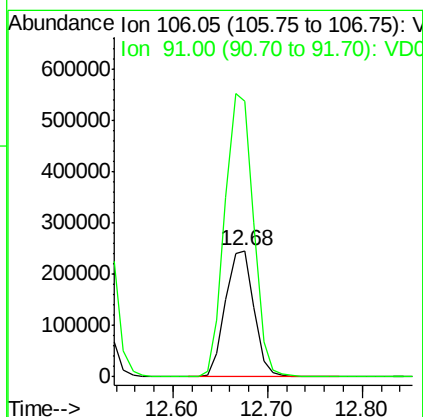
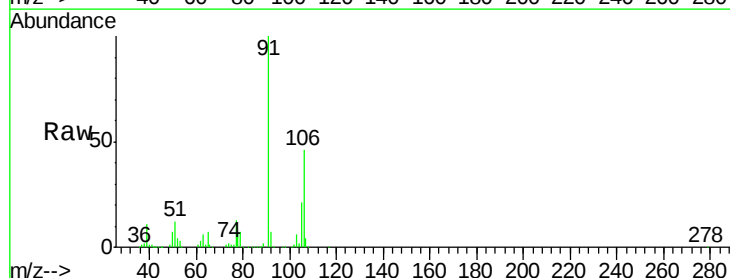
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

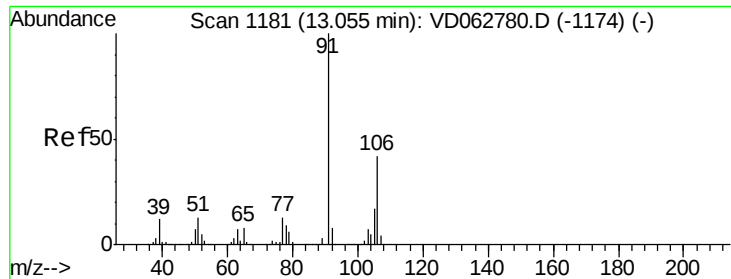
Tot Ion: 91 Resp: 743190
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7



#68
m/p-Xylenes
Concen: 42.713 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 106 Resp: 514315
Ion Ratio Lower Upper
106 100
91 217.5 183.0 274.6

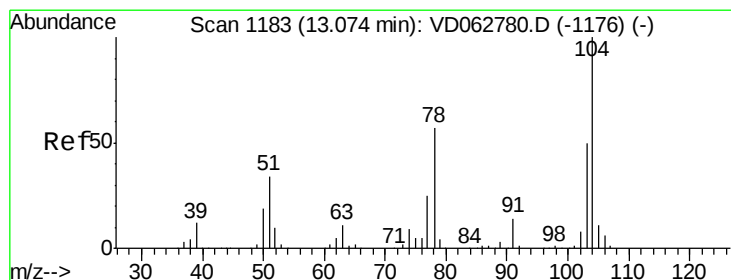
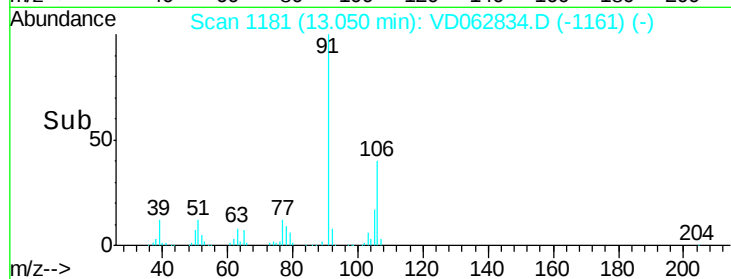
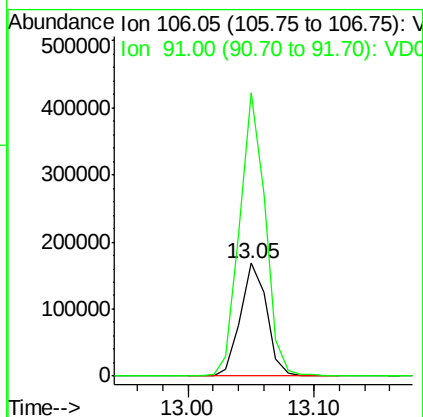
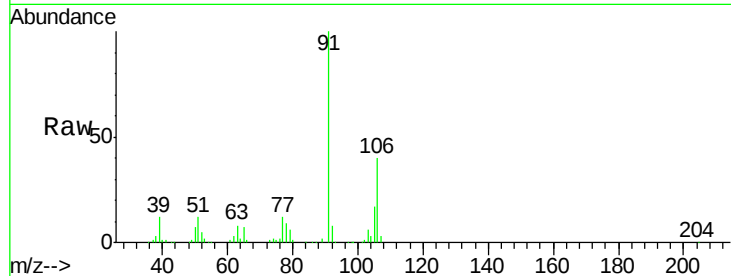




#69
o-Xylene
Concen: 22.215 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

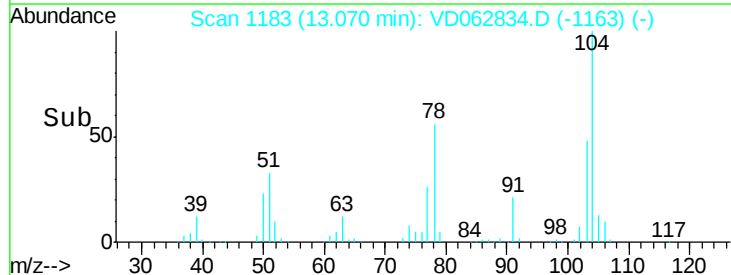
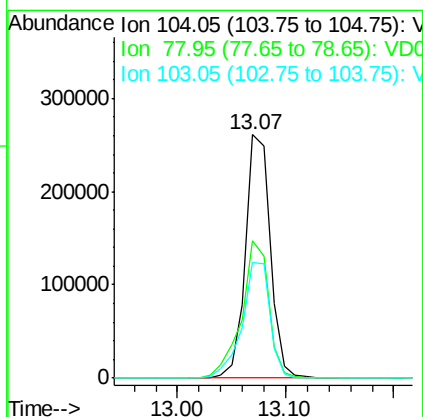
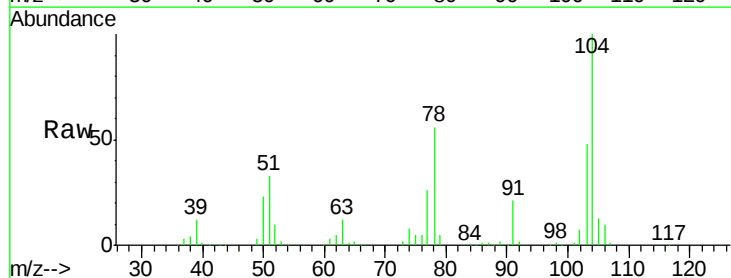
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

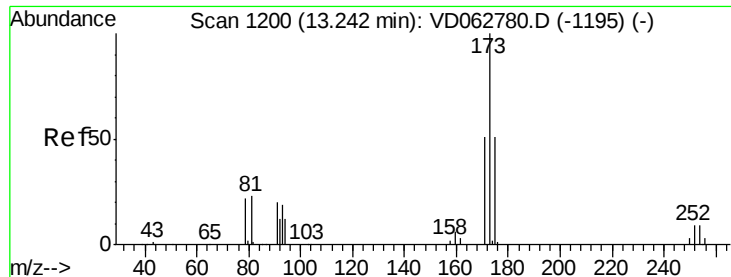
Tot Ion:106 Resp: 244533
Ion Ratio Lower Upper
106 100
91 250.9 117.9 353.6



#70
Styrene
Concen: 21.574 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion:104 Resp: 417110
Ion Ratio Lower Upper
104 100
78 56.4 45.4 68.2
103 47.7 39.7 59.5





#71

Bromoform

Concen: 22.240 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

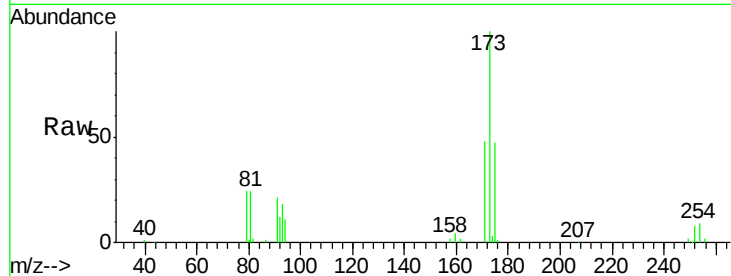
Tot Ion:173 Resp: 137221

Ion Ratio Lower Upper

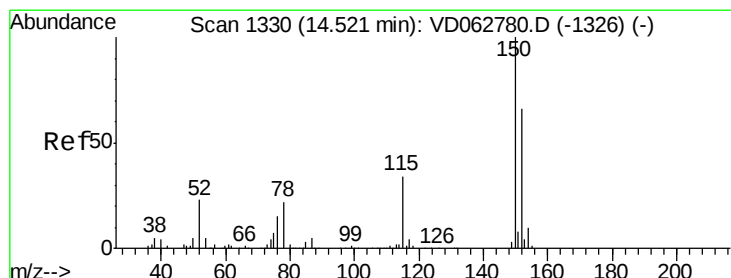
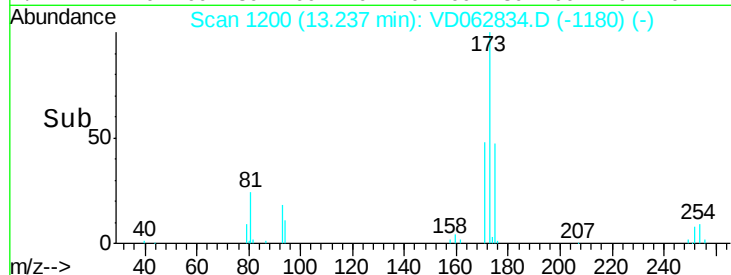
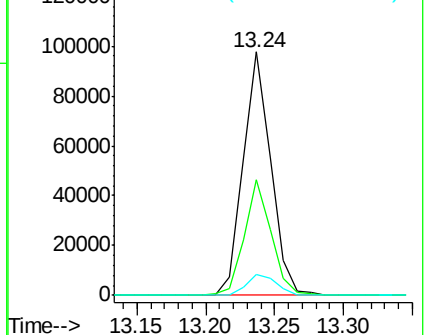
173 100

175 47.5 25.3 75.9

254 8.8 7.1 10.7



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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

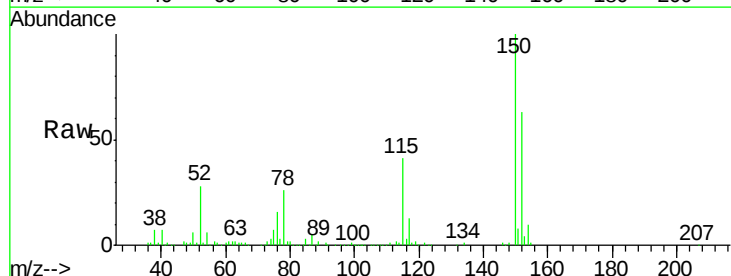
Tgt Ion:152 Resp: 565650

Ion Ratio Lower Upper

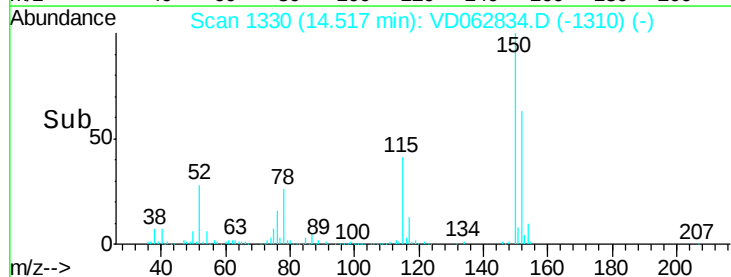
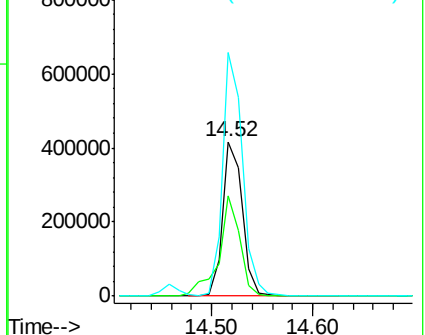
152 100

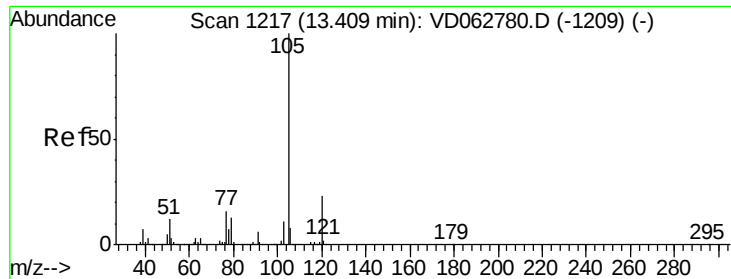
115 64.7 29.2 87.6

150 157.8 0.0 305.8



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





#73

Isopropylbenzene

Concen: 21.118 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

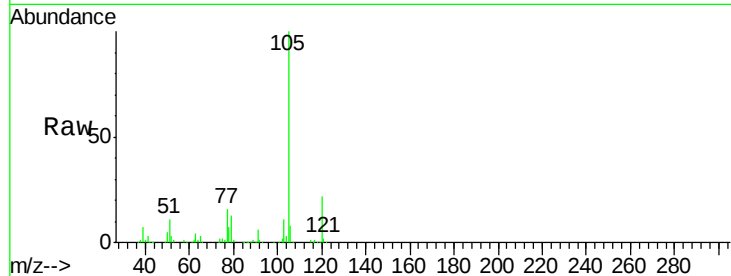
VD0624SBS01

Tot Ion:105 Resp: 765927

Ion Ratio Lower Upper

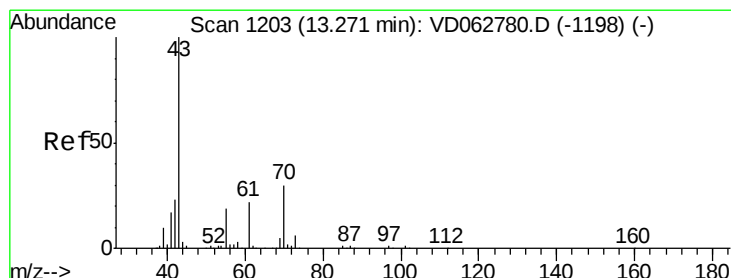
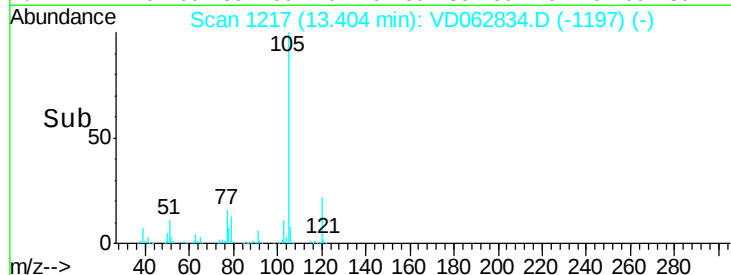
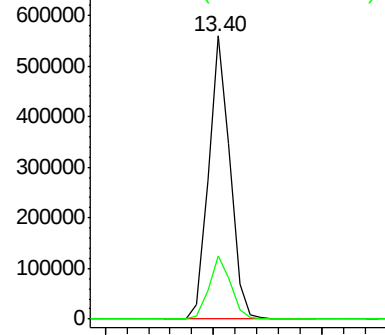
105 100

120 22.5 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.938 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Tgt Ion: 43 Resp: 193225

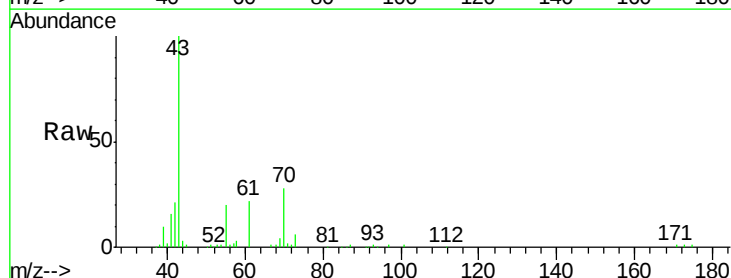
Ion Ratio Lower Upper

43 100

70 27.7 24.4 36.6

55 20.2 15.2 22.8

61 21.8 17.4 26.2

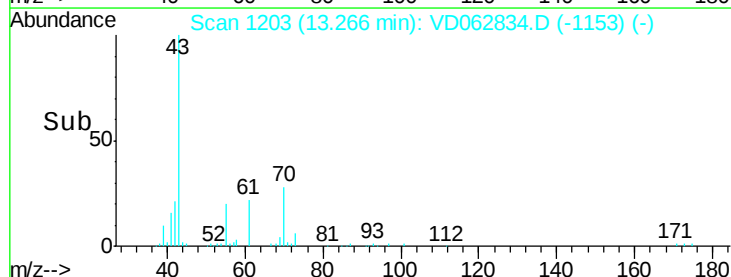
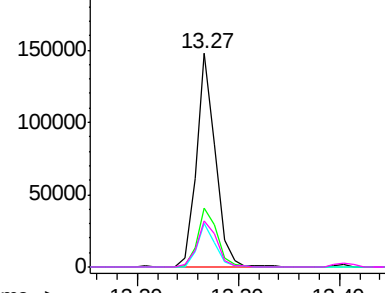


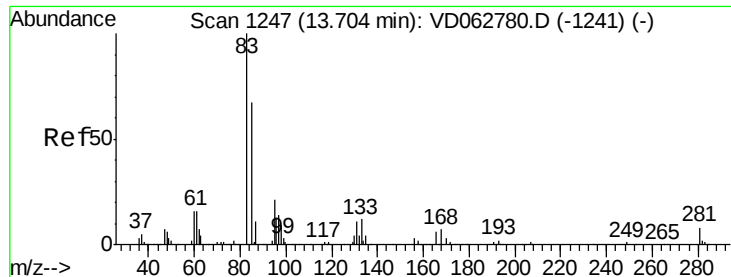
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.991 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

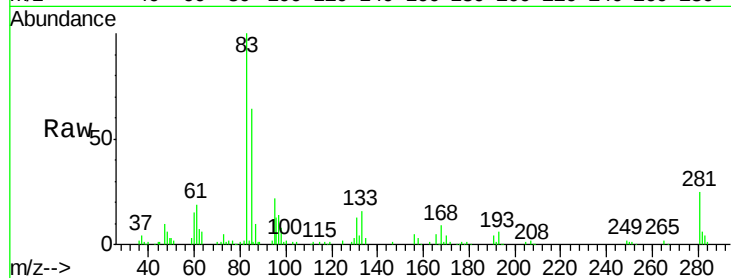
Tot Ion: 83 Resp: 129951

Ion Ratio Lower Upper

83 100

131 13.0 5.3 16.1

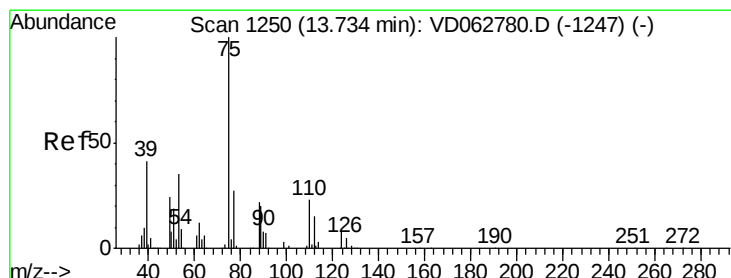
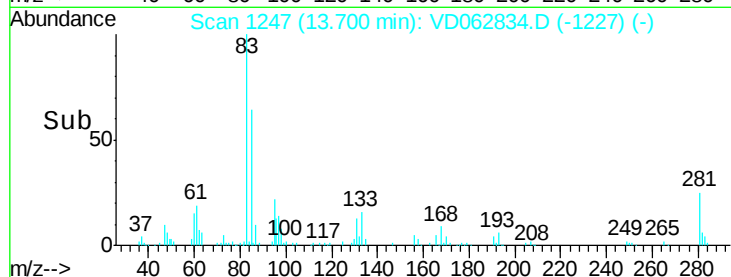
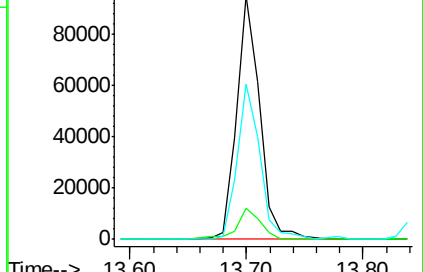
85 64.0 33.7 101.1



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: 21.713 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062834.D

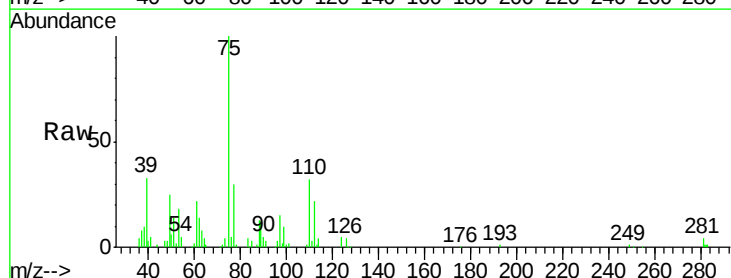
Acq: 24 Jun 2019 12:27

Tgt Ion: 75 Resp: 141788

Ion Ratio Lower Upper

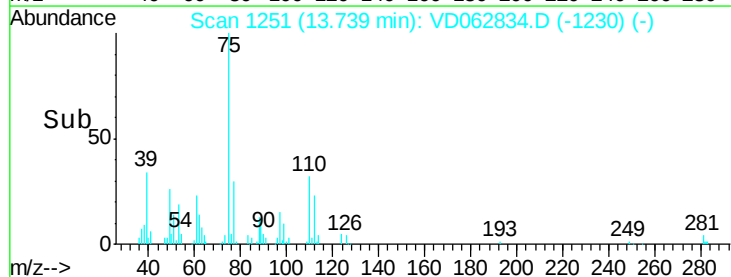
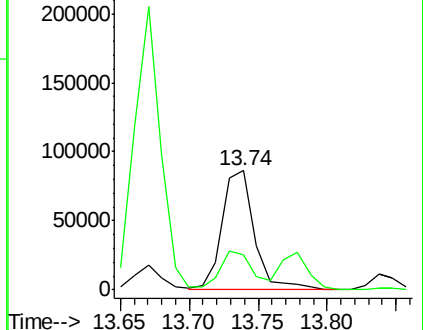
75 100

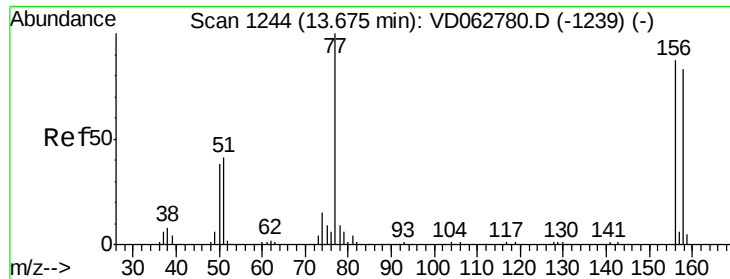
77 29.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.357 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

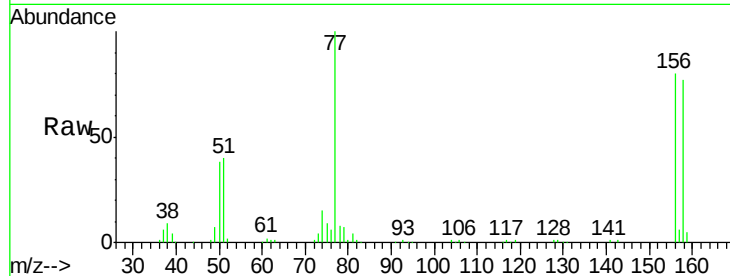
Tot Ion:156 Resp: 218098

Ion Ratio Lower Upper

156 100

77 125.8 57.7 173.1

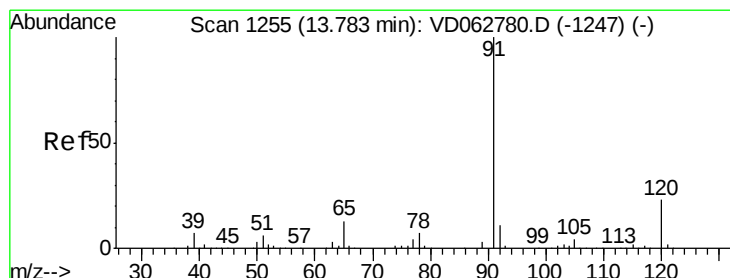
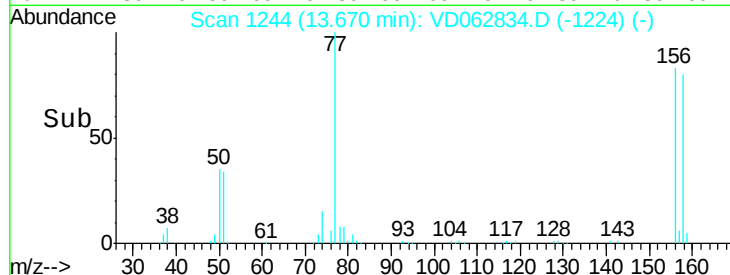
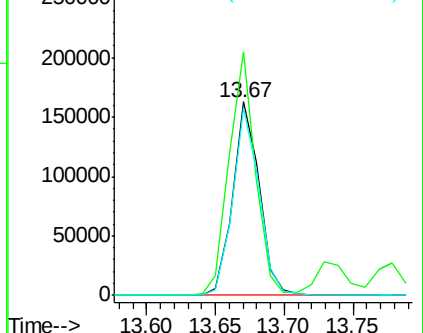
158 96.6 47.7 143.1



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: 21.422 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062834.D

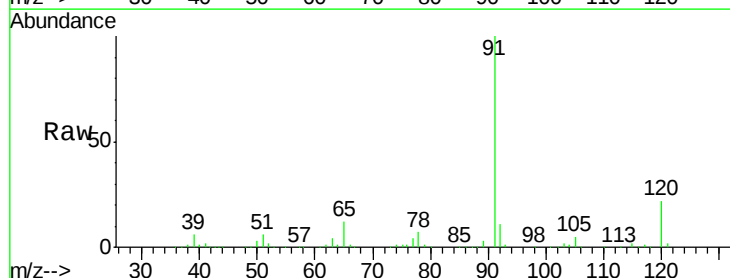
Acq: 24 Jun 2019 12:27

Tgt Ion: 91 Resp: 904302

Ion Ratio Lower Upper

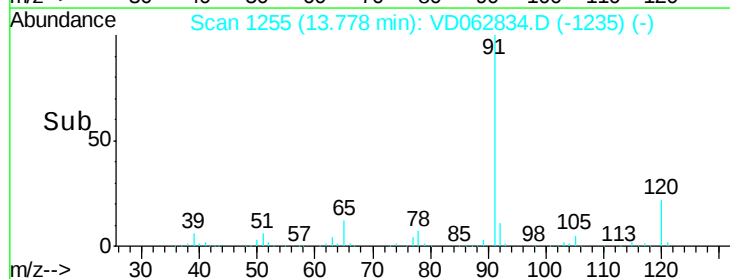
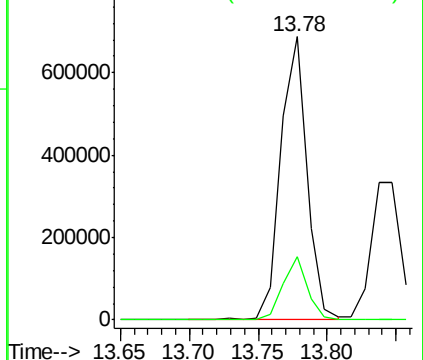
91 100

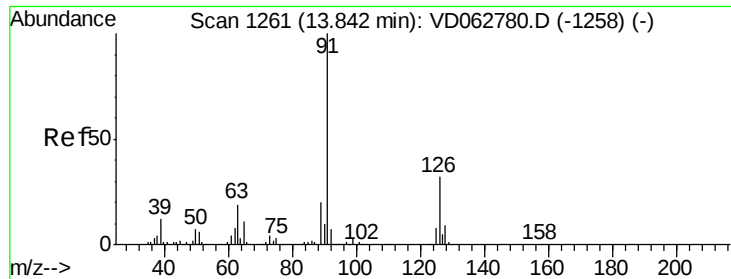
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

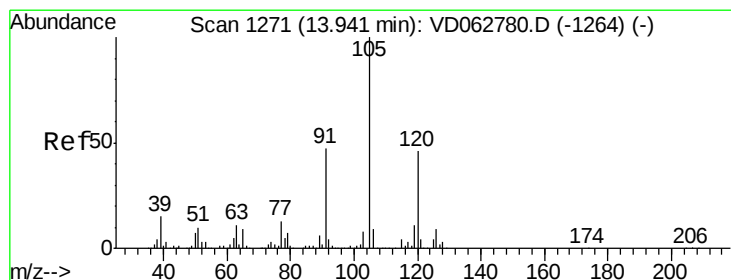
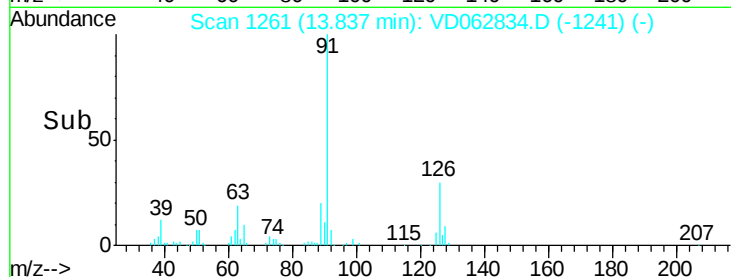
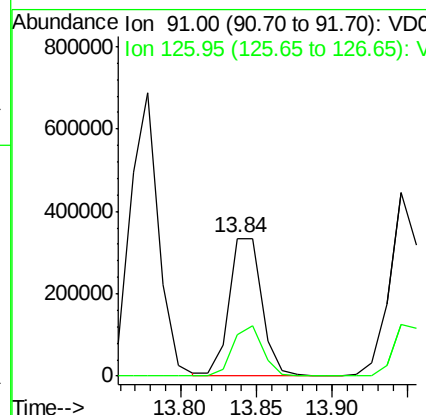
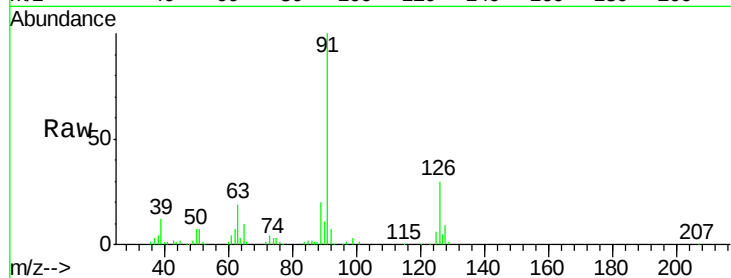




#79
 2-Chlorotoluene
 Concen: 20.799 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

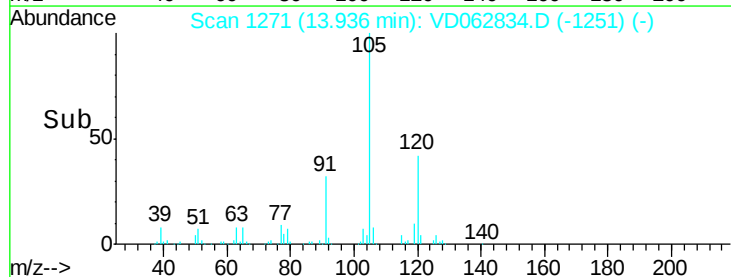
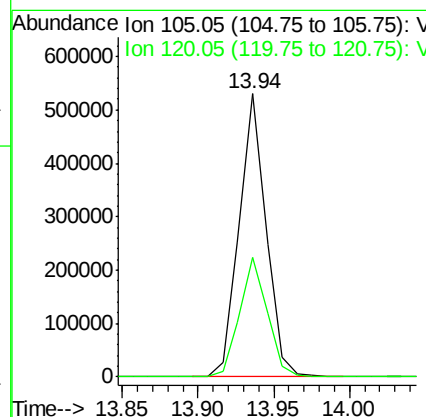
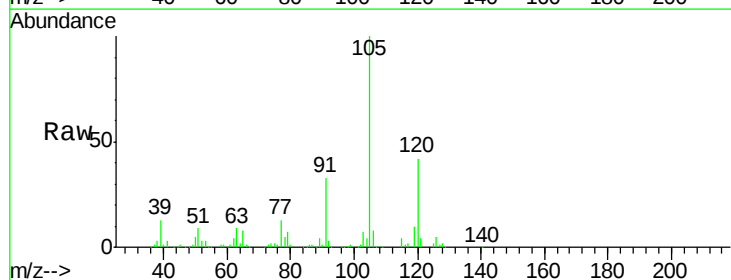
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

Tot Ion: 91 Resp: 501758
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.391 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Tgt Ion: 105 Resp: 651657
 Ion Ratio Lower Upper
 105 100
 120 42.3 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.786 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

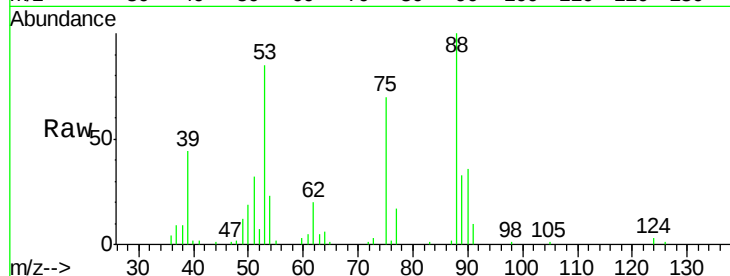
MSVOA_D

ClientSampleId :

VD0624SBSD01

Tot Ion: 75 Resp: 38997

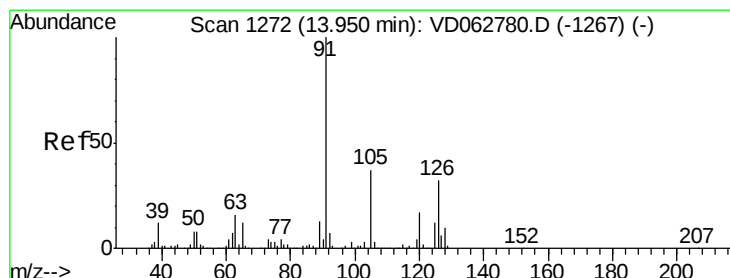
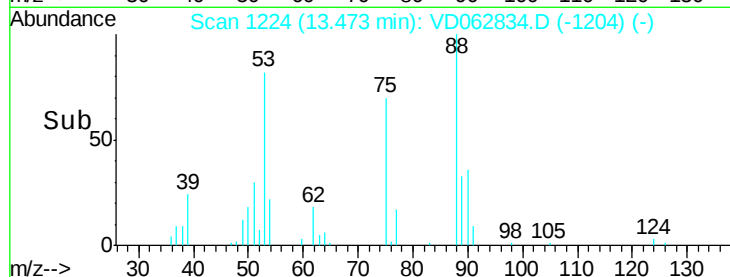
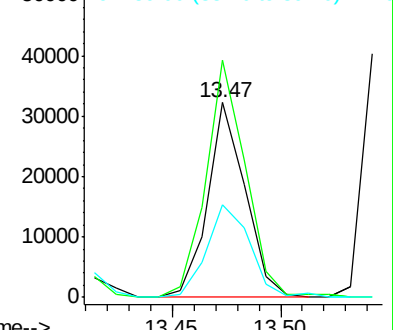
Ion	Ratio	Lower	Upper
75	100		
53	121.7	97.8	146.8
89	47.3	39.4	59.2



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: 21.416 ug/l

RT: 13.95 min Scan# 1272

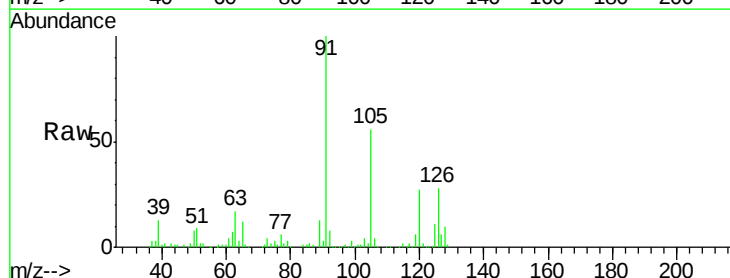
Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

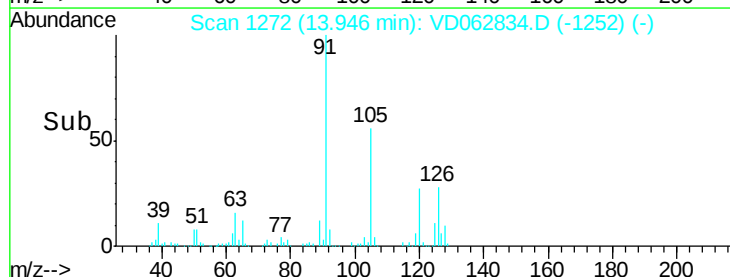
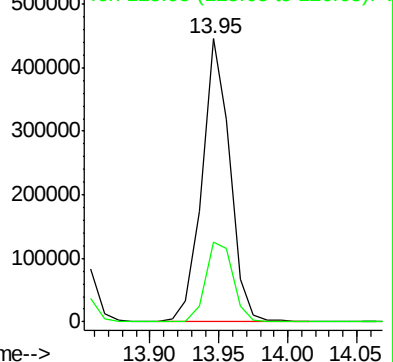
Tgt Ion: 91 Resp: 621975

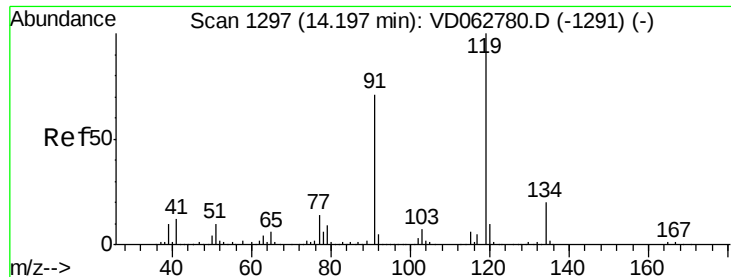
Ion	Ratio	Lower	Upper
91	100		
126	28.1	16.0	47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.070 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBSD01

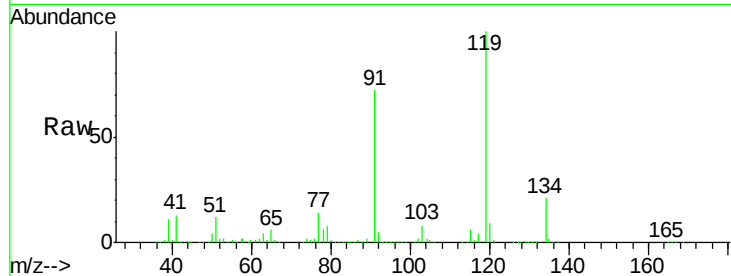
Tot Ion:119 Resp: 715470

Ion Ratio Lower Upper

119 100

91 72.1 35.5 106.5

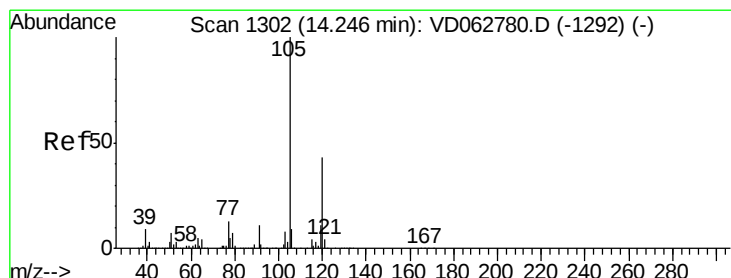
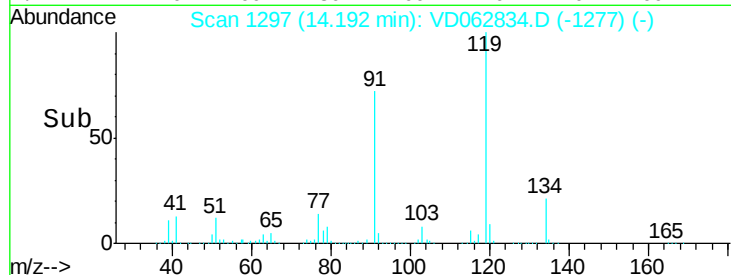
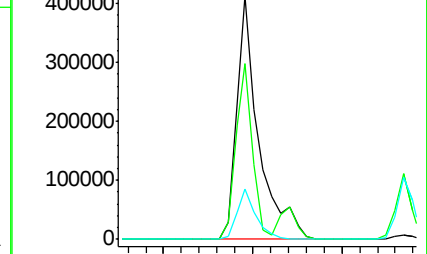
134 20.6 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.953 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062834.D

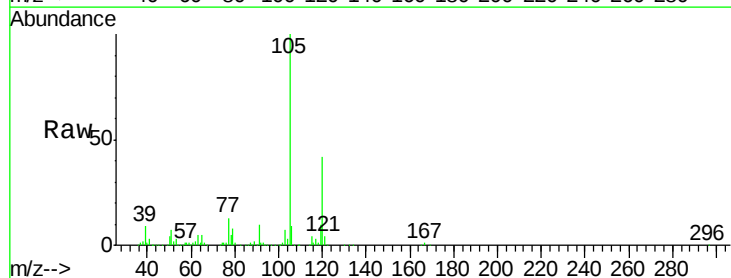
Acq: 24 Jun 2019 12:27

Tgt Ion:105 Resp: 654249

Ion Ratio Lower Upper

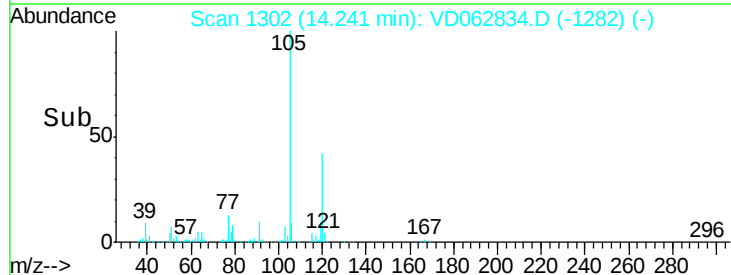
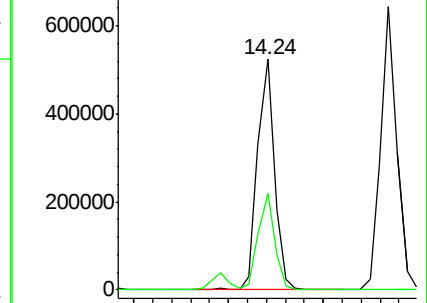
105 100

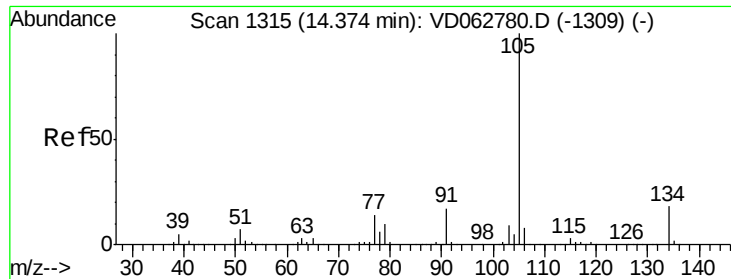
120 41.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.058 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

Instrument :

MSVOA_D

ClientSampleId :

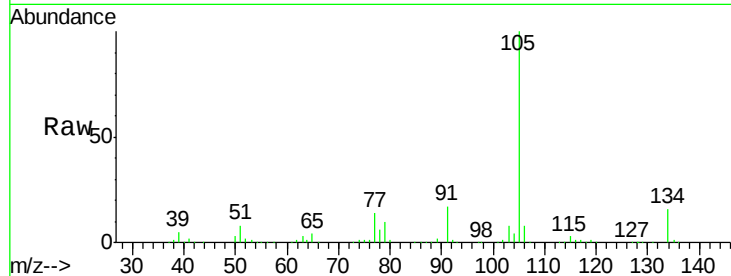
VD0624SBSD01

Tot Ion:105 Resp: 777180

Ion Ratio Lower Upper

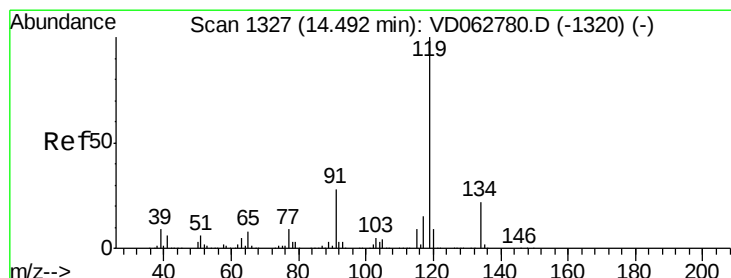
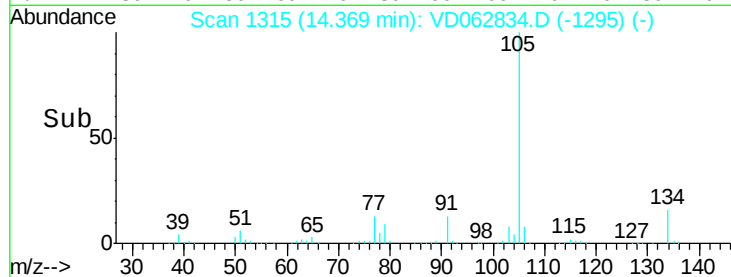
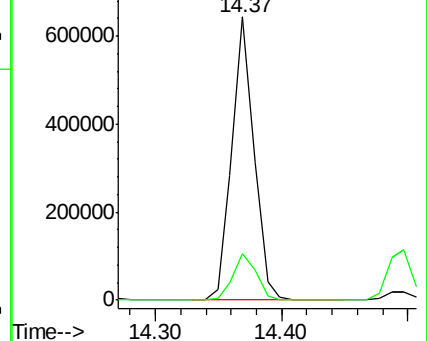
105 100

134 16.4 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.504 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062834.D

Acq: 24 Jun 2019 12:27

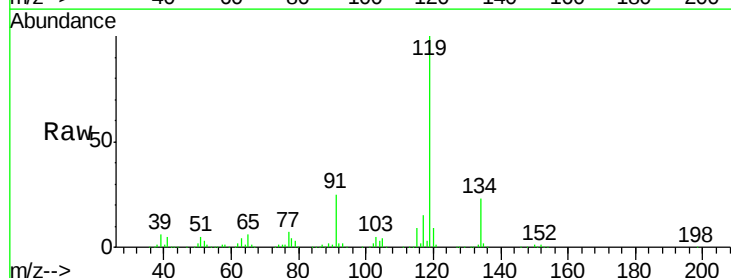
Tgt Ion:119 Resp: 726063

Ion Ratio Lower Upper

119 100

134 22.6 11.1 33.1

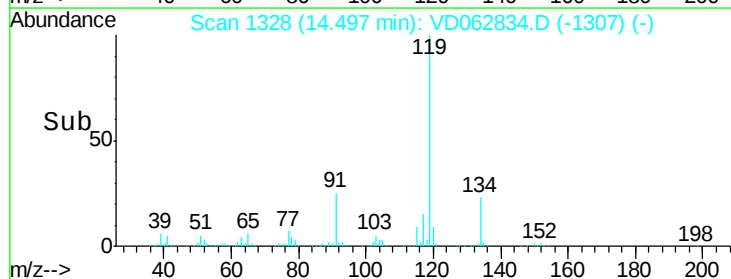
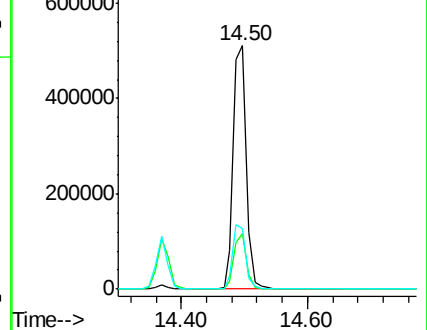
91 24.7 14.0 41.9



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

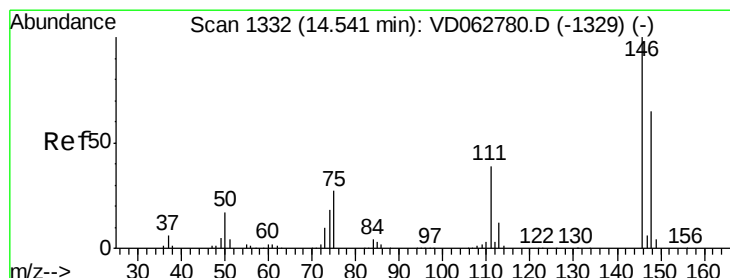
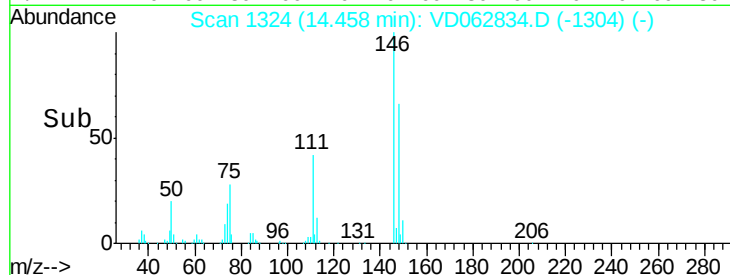
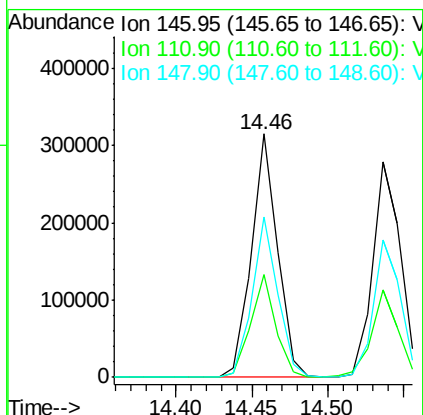
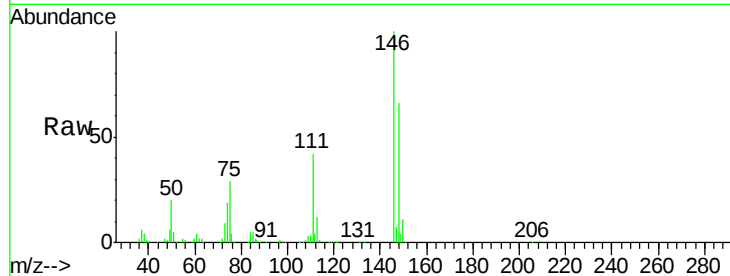




#87
 1,3-Dichlorobenzene
 Concen: 21.727 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

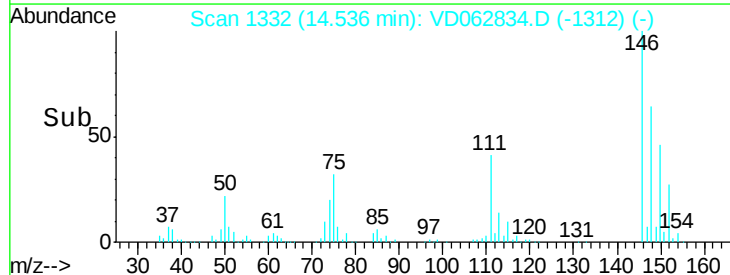
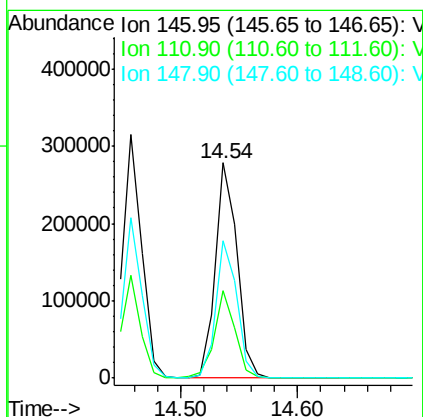
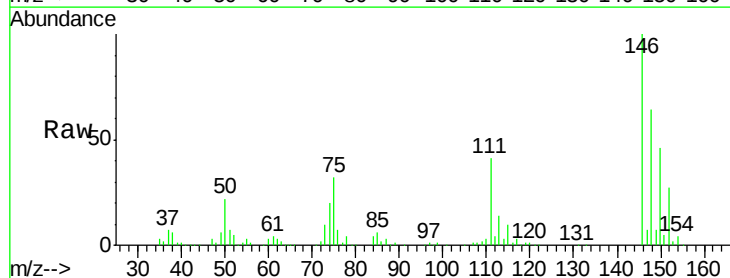
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

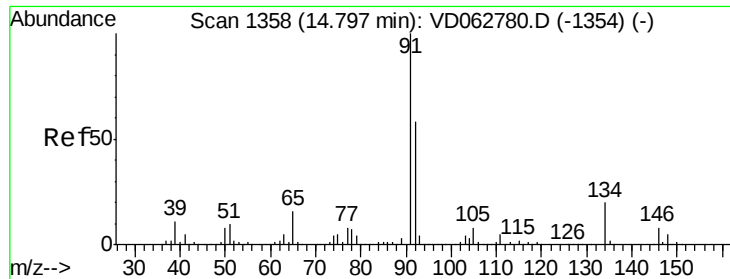
Tot Ion:146 Resp: 379932
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.0 57.0
 148 65.9 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 20.453 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Tgt Ion:146 Resp: 359229
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.7 59.1
 148 63.9 32.8 98.3

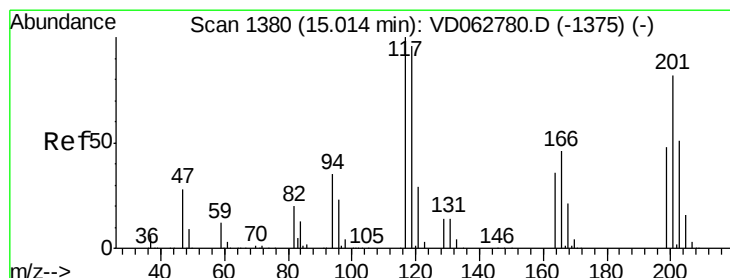
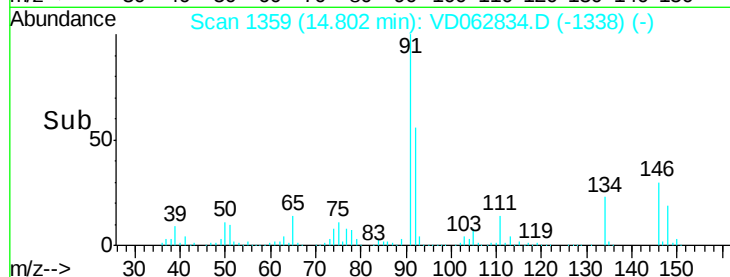
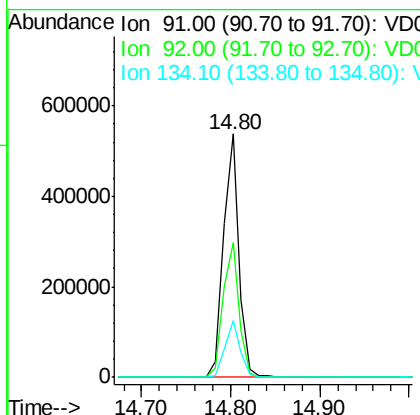
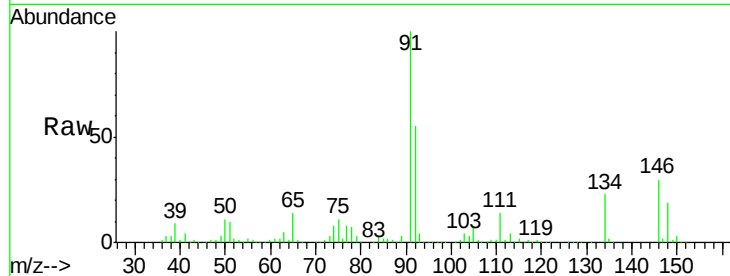




#89
n-Butylbenzene
Concen: 20.925 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

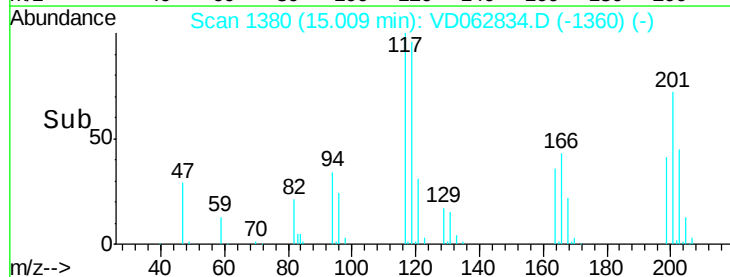
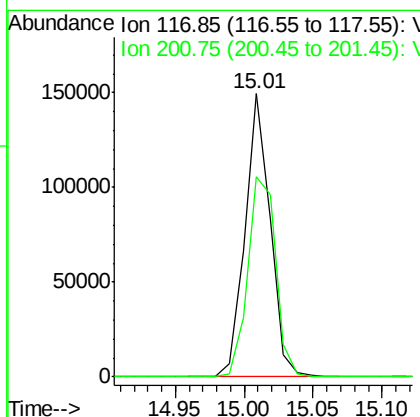
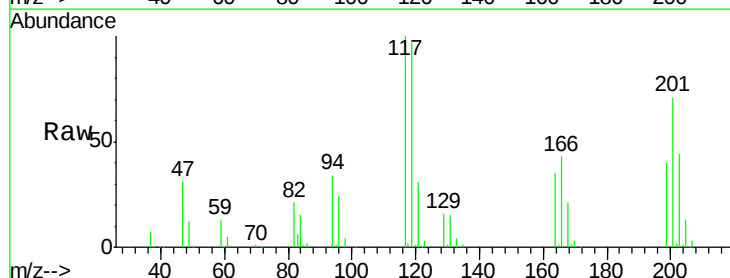
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

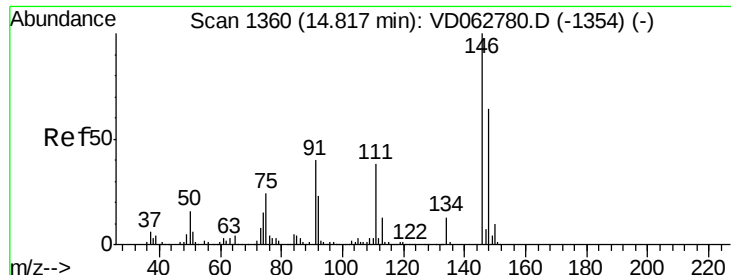
Tot Ion: 91 Resp: 661247
Ion Ratio Lower Upper
91 100
92 55.5 28.9 86.7
134 23.4 10.1 30.3



#90
Hexachloroethane
Concen: 20.926 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion: 117 Resp: 189971
Ion Ratio Lower Upper
117 100
201 70.9 40.8 122.2

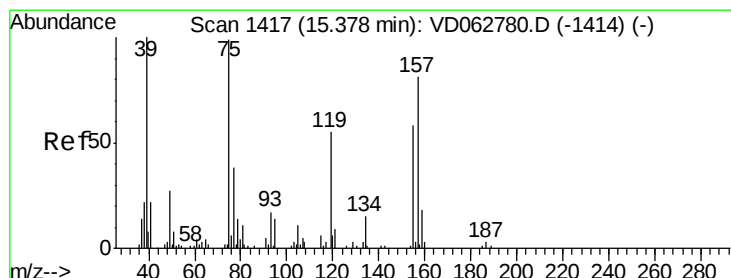
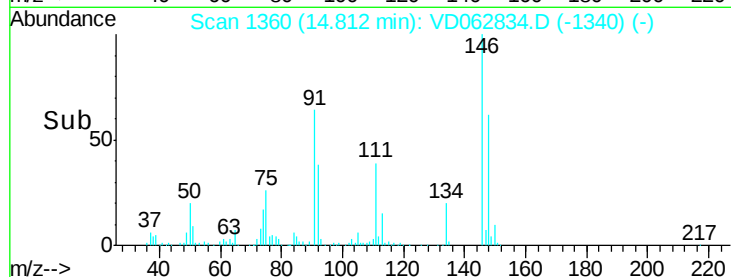
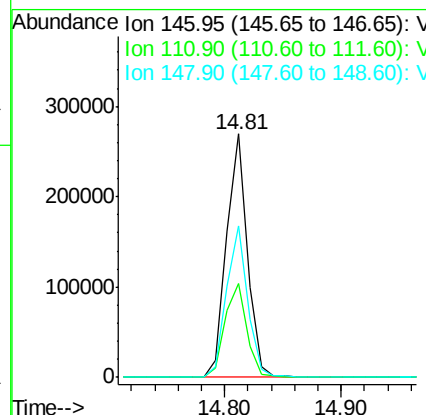
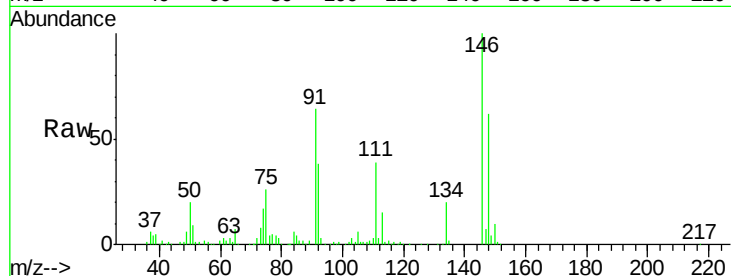




#91
 1,2-Dichlorobenzene
 Concen: 22.515 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

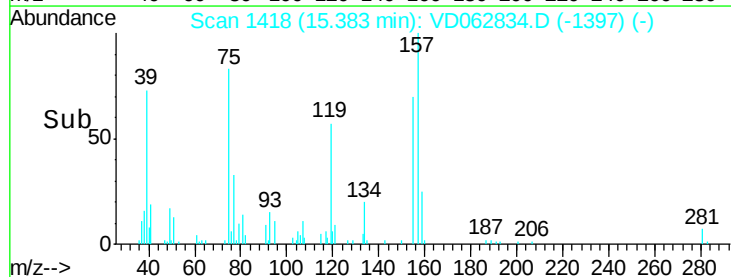
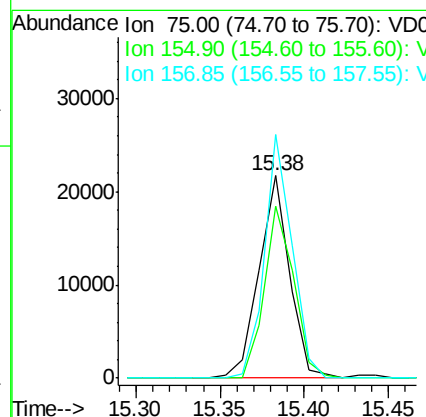
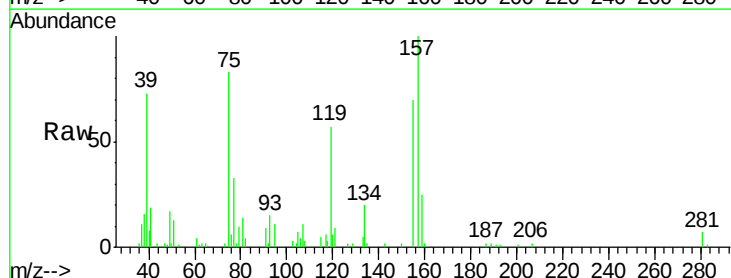
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

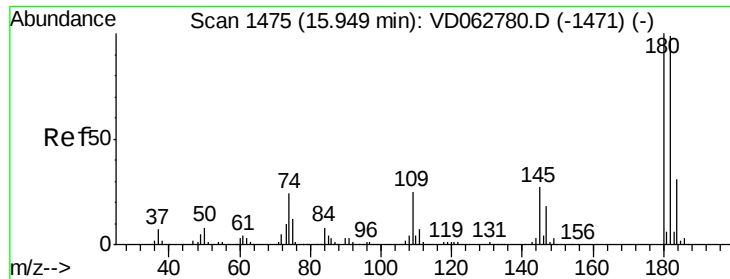
Tot Ion:146 Resp: 336856
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.1
 148 62.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.637 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Tgt Ion: 75 Resp: 27263
 Ion Ratio Lower Upper
 75 100
 155 84.6 29.3 87.8
 157 120.3 41.3 123.7

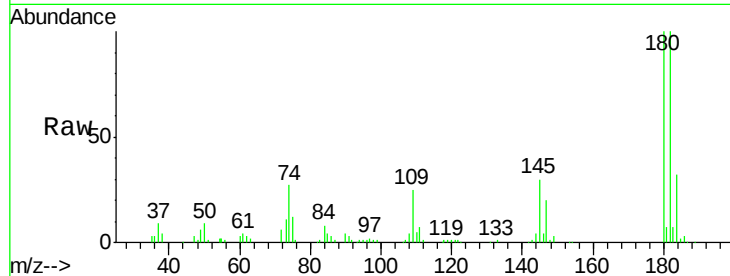




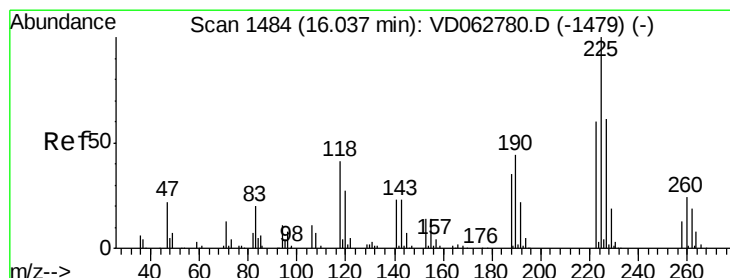
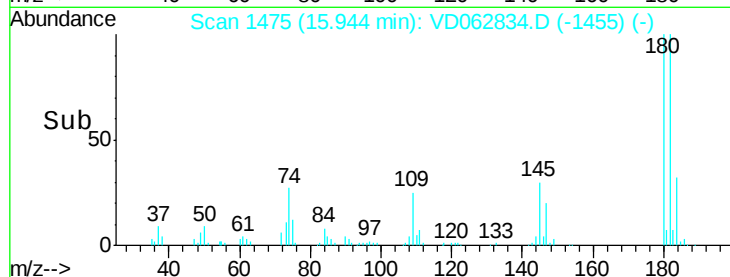
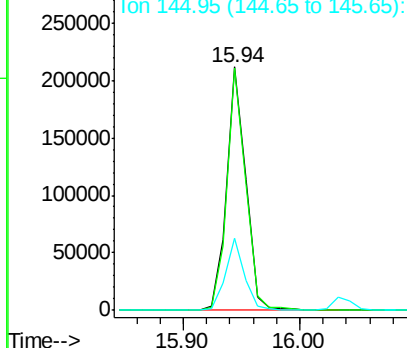
#93
 1,2,4-Trichlorobenzene
 Concen: 20.657 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

Tot Ion:180 Resp: 241418
 Ion Ratio Lower Upper
 180 100
 182 99.5 49.5 148.5
 145 29.6 13.7 41.0

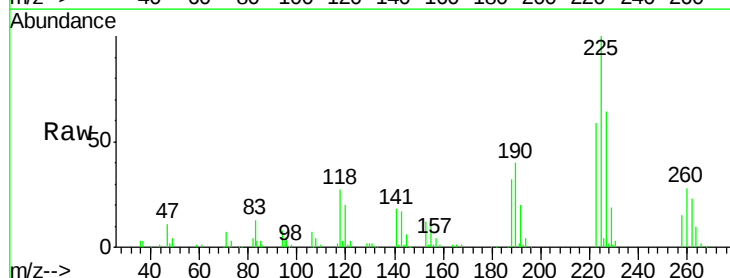


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

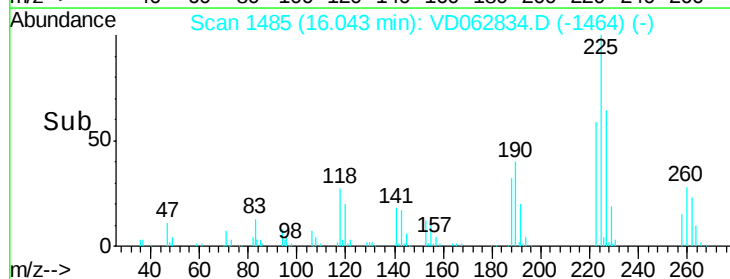
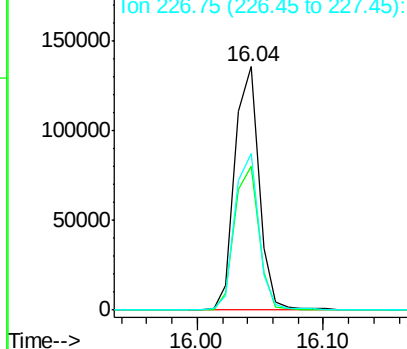


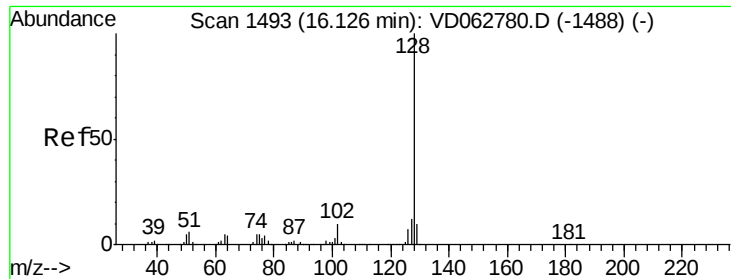
#94
 Hexachlorobutadiene
 Concen: 20.117 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062834.D
 Acq: 24 Jun 2019 12:27

Tgt Ion:225 Resp: 179619
 Ion Ratio Lower Upper
 225 100
 223 58.9 29.8 89.5
 227 64.4 30.6 91.6



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

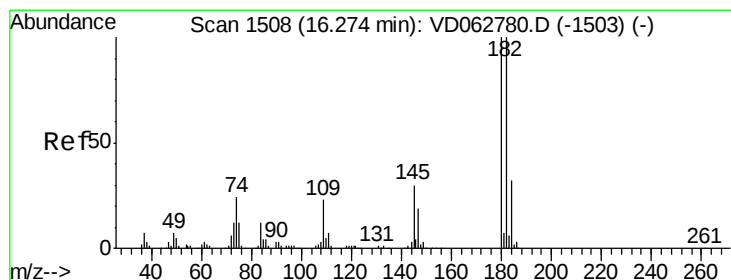
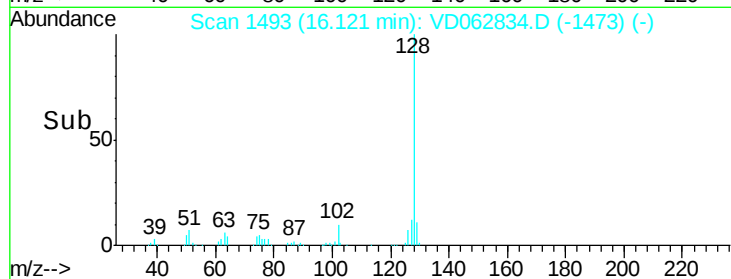
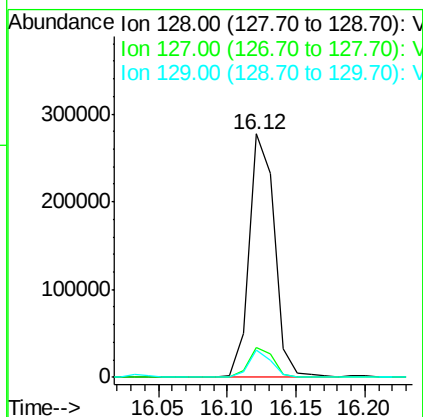
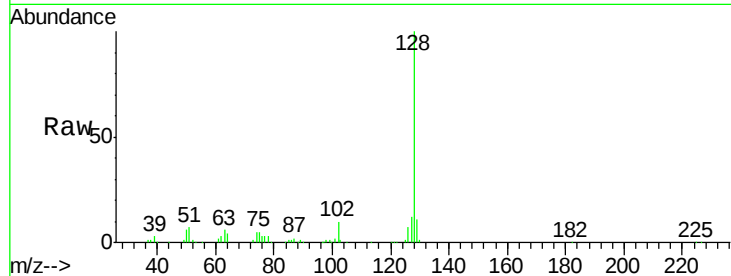




#95
Naphthalene
Concen: 21.784 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

Tot Ion:128 Resp: 356841
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 11.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.468 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062834.D
Acq: 24 Jun 2019 12:27

Tgt Ion:180 Resp: 183797
Ion Ratio Lower Upper
180 100
182 97.1 49.9 149.6
145 29.8 15.2 45.5

