

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062619\
 Data File : VD062910.D
 Acq On : 26 Jun 2019 11:54
 Operator : VA/AP
 Sample : VD0626SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBS01

Quant Time: Jun 27 09:01:28 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	7.05	168	956049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1370831	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1106939	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	637843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	494655	47.60	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	6.93	113	539281	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.41	98	1243160	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	13.55	95	512045	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	278492	22.511	ug/l	95
3) Chloromethane	1.76	50	186433	20.037	ug/l	90
4) Vinyl Chloride	1.85	62	188566	20.441	ug/l	97
5) Bromomethane	2.15	94	62555	14.479	ug/l	89
6) Chloroethane	2.25	64	78590	18.817	ug/l	98
7) Trichlorofluoromethane	2.53	101	383022	20.516	ug/l	95
8) Diethyl Ether	2.87	74	55464	23.381	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	221597	21.909	ug/l	90
10) Methyl Iodide	3.30	142	240127	17.995	ug/l	97
11) Tert butyl alcohol	4.10	59	46784	98.845	ug/l	99
12) 1,1-Dichloroethene	3.12	96	152903	20.152	ug/l	95
13) Acrolein	3.04	56	41514	85.917	ug/l	94
14) Allyl chloride	3.61	41	248582	22.172	ug/l	98
15) Acrylonitrile	4.20	53	131557	118.292	ug/l	86
16) Acetone	3.23	43	220906	100.643	ug/l	98
17) Carbon Disulfide	3.36	76	502465	20.721	ug/l	97
18) Methyl Acetate	3.65	43	92030	29.336	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	373924	22.765	ug/l	98
20) Methylene Chloride	3.81	84	180656	22.794	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	178966	22.152	ug/l	89
22) Diisopropyl ether	5.13	45	486725	21.348	ug/l	96
23) Vinyl Acetate	5.06	43	1534885	107.583	ug/l	99
24) 1,1-Dichloroethane	4.98	63	311255	20.968	ug/l #	95
25) 2-Butanone	6.08	43	224512	115.511	ug/l #	78
26) 2,2-Dichloropropane	6.02	77	320934	20.397	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	172995	20.249	ug/l	93
28) Bromochloromethane	6.44	49	123779	23.675	ug/l	87
29) Tetrahydrofuran	6.46	42	107574	116.978	ug/l	98
30) Chloroform	6.66	83	372205	20.617	ug/l	91
31) Cyclohexane	6.96	56	220505	22.595	ug/l #	92
32) 1,1,1-Trichloroethane	6.87	97	378818	20.146	ug/l	97
36) 1,1-Dichloropropene	7.14	75	248775	19.171	ug/l	97
37) Ethyl Acetate	6.19	43	112320	19.943	ug/l	98
38) Carbon Tetrachloride	7.11	117	366405	18.774	ug/l	97

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Instrument :
 MSVOA_D
 ClientSampleID :
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Quant Time: Jun 27 09:01:28 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	8.86	83	224297	19.636	ug/l	99
40) Benzene	7.45	78	507106	19.468	ug/l	99
41) Methacrylonitrile	6.45	41	154039	22.509	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	288670	20.314	ug/l	99
43) Isopropyl Acetate	9.24	43	157888	23.208	ug/l #	98
44) Trichloroethene	8.54	130	202691	19.848	ug/l	90
45) 1,2-Dichloropropane	8.94	63	126700	19.561	ug/l	100
46) Dibromomethane	9.06	93	115801	20.813	ug/l	95
47) Bromodichloromethane	9.37	83	280145	19.387	ug/l	96
48) Methyl methacrylate	9.12	41	97034	20.071	ug/l	94
49) 1,4-Dioxane	9.09	88	18561	461.457	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	507355	105.184	ug/l	98
52) Toluene	10.51	92	353056	20.163	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	237340	20.067	ug/l	89
54) cis-1,3-Dichloropropene	10.04	75	254421	19.791	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	122871	20.425	ug/l	95
56) Ethyl methacrylate	11.04	69	126542	19.683	ug/l	94
57) 1,3-Dichloropropane	11.41	76	183147	19.883	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	331369	100.399	ug/l	99
59) 2-Hexanone	11.53	43	390682	113.727	ug/l	99
60) Dibromochloromethane	11.68	129	223273	19.926	ug/l	88
61) 1,2-Dibromoethane	11.80	107	153743	21.639	ug/l	96
64) Tetrachloroethene	11.26	164	183545	20.147	ug/l	95
65) Chlorobenzene	12.40	112	431608	21.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	196625	20.466	ug/l	90
67) Ethyl Benzene	12.52	91	778437	21.105	ug/l	99
68) m/p-Xylenes	12.67	106	542616	42.239	ug/l	94
69) o-Xylene	13.05	106	249084	21.210	ug/l	97
70) Styrene	13.07	104	445271	21.587	ug/l	96
71) Bromoform	13.23	173	143822	21.849	ug/l #	94
73) Isopropylbenzene	13.40	105	821272	20.081	ug/l	95
74) N-amyl acetate	13.27	43	212165	21.362	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	137404	20.620	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	148956	20.229	ug/l	90
77) Bromobenzene	13.67	156	216641	19.694	ug/l	91
78) n-propylbenzene	13.77	91	927589	19.487	ug/l	96
79) 2-Chlorotoluene	13.84	91	539692	19.840	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	720033	20.960	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	37364	19.361	ug/l	92
82) 4-Chlorotoluene	13.95	91	654605	19.988	ug/l	98
83) tert-Butylbenzene	14.18	119	761387	19.884	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	709208	20.143	ug/l	95
85) sec-Butylbenzene	14.36	105	802404	19.281	ug/l	94
86) p-Isopropyltoluene	14.49	119	789724	20.742	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	392422	19.901	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	392962	19.841	ug/l	96
89) n-Butylbenzene	14.79	91	702903	19.725	ug/l	96
90) Hexachloroethane	15.01	117	190667	18.626	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	342047	20.274	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26364	20.271	ug/l	79

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Data File : VD062910.D
Acq On : 26 Jun 2019 11:54
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Sample : VD0626SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Quant Time: Jun 27 09:01:28 2019
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

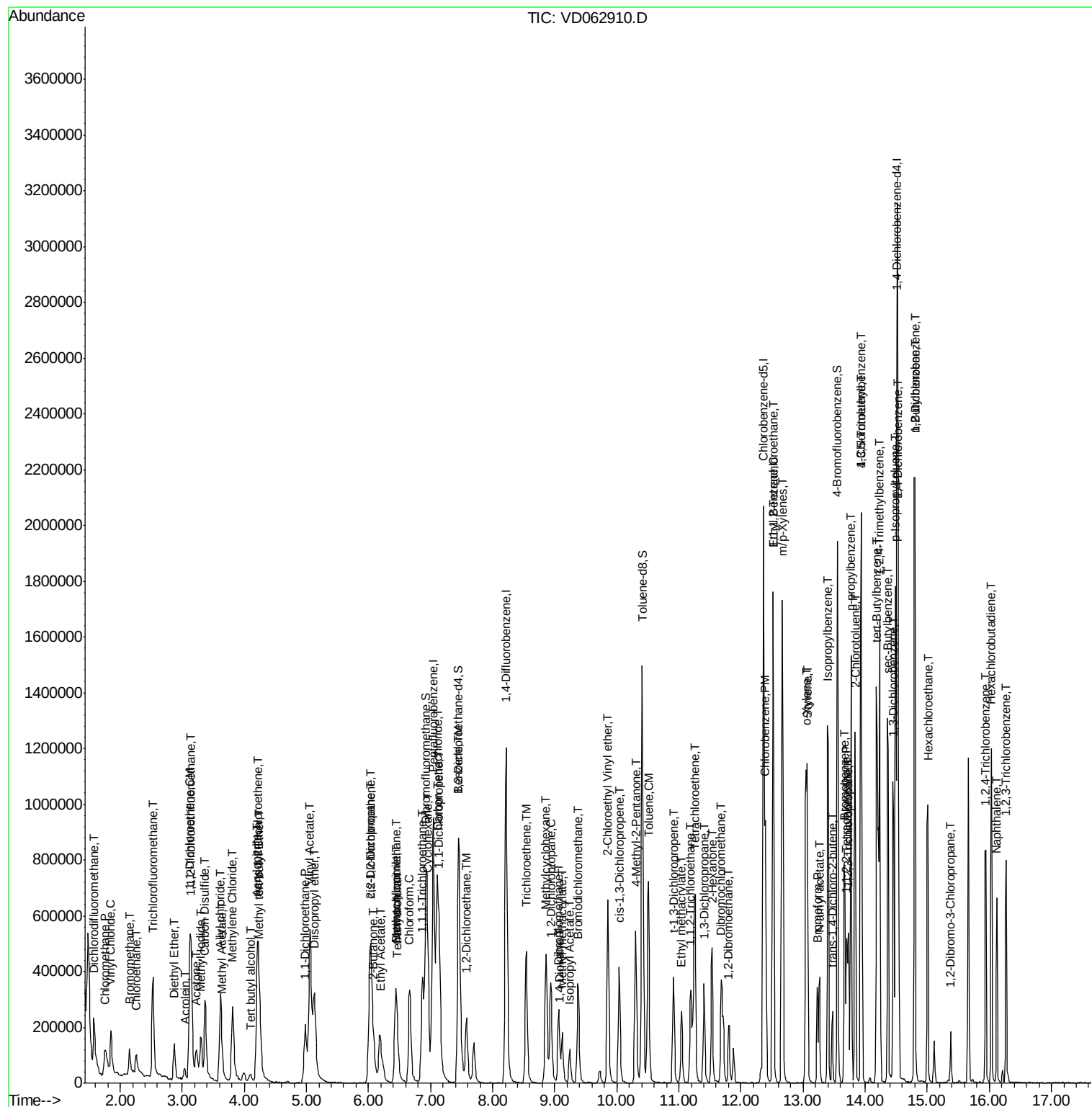
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	240809	18.272	ug/l	96
94) Hexachlorobutadiene	16.03	225	191991	19.069	ug/l	97
95) Naphthalene	16.12	128	386318	20.914	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	200538	19.805	ug/l	98

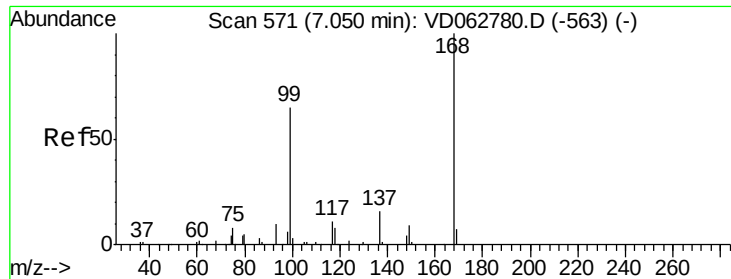
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD062910.D
Acq On : 26 Jun 2019 11:54
Operator : VA/AP
Sample : VD0626SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
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ClientSampleId :
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Quant Time: Jun 27 09:01:28 2019
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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

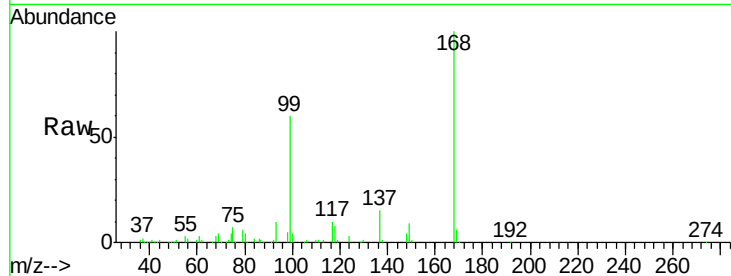
VD0626SBSD01

Tot Ion:168 Resp: 956049

Ion Ratio Lower Upper

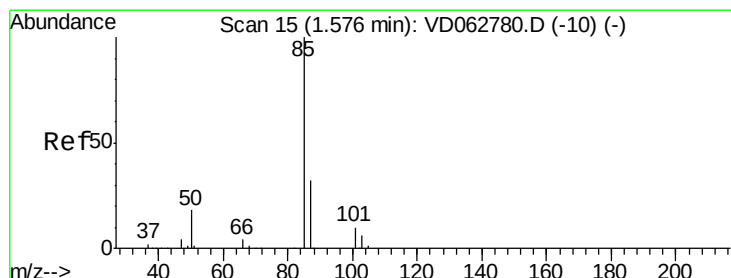
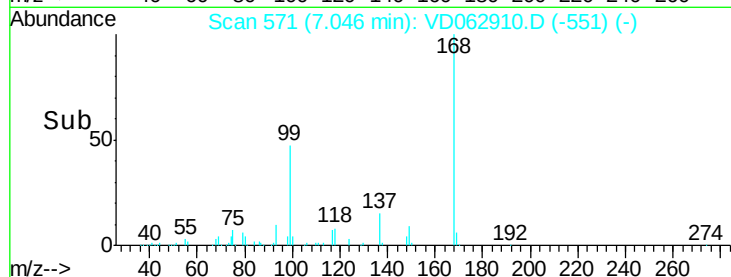
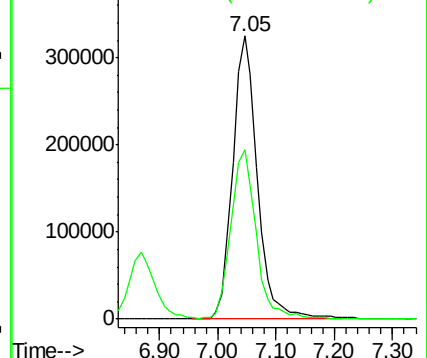
168 100

99 60.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.511 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062910.D

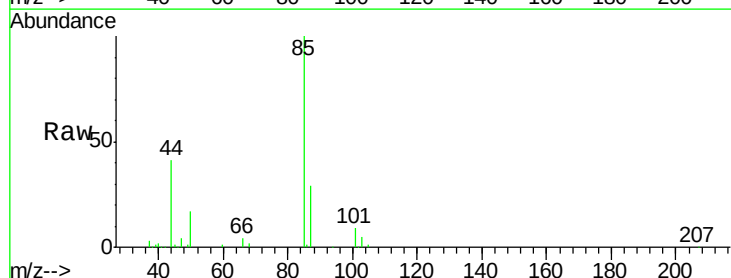
Acq: 26 Jun 2019 11:54

Tgt Ion: 85 Resp: 278492

Ion Ratio Lower Upper

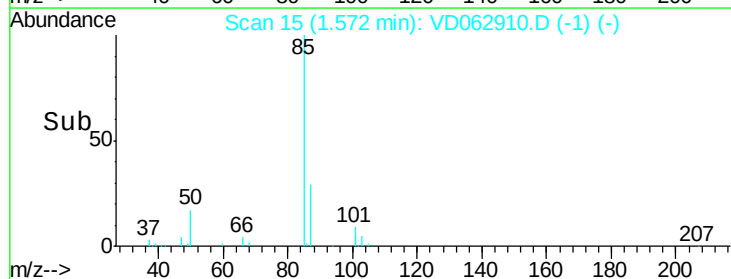
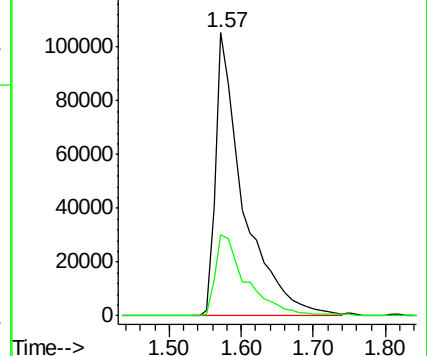
85 100

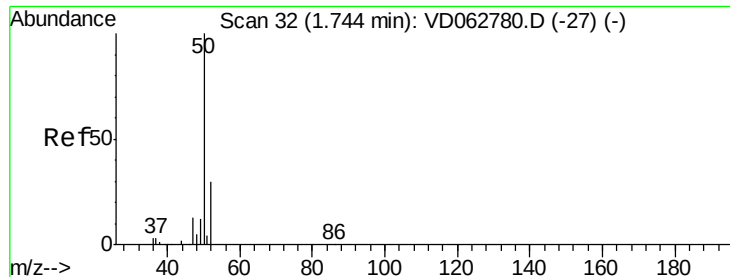
87 28.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.037 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

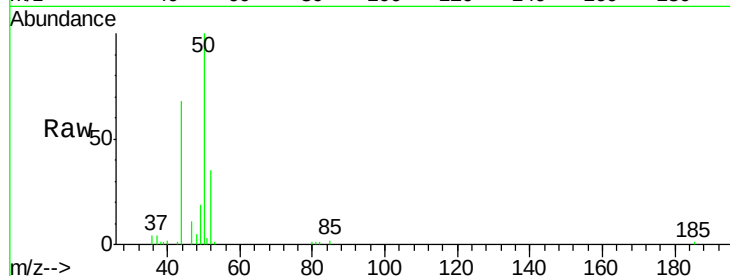
VD0626SBSD01

Tot Ion: 50 Resp: 186433

Ion Ratio Lower Upper

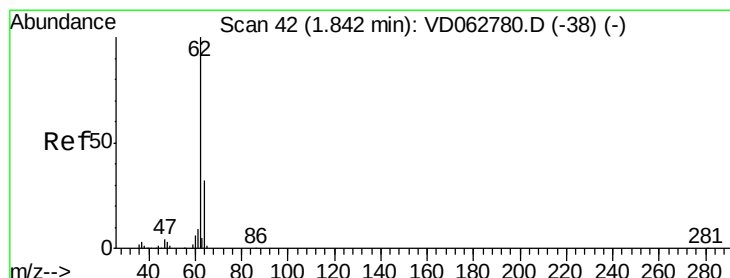
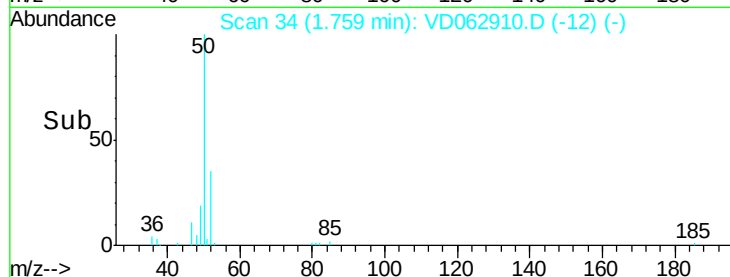
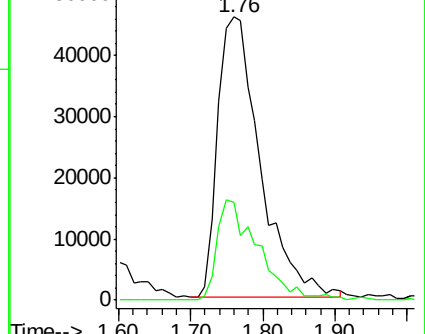
50 100

52 34.7 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: 20.441 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062910.D

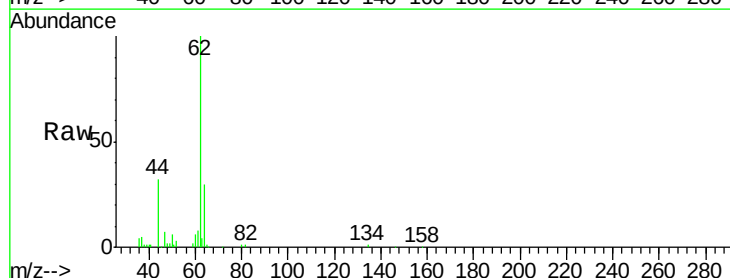
Acq: 26 Jun 2019 11:54

Tgt Ion: 62 Resp: 188566

Ion Ratio Lower Upper

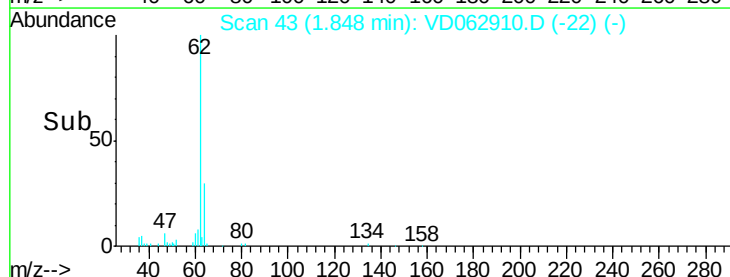
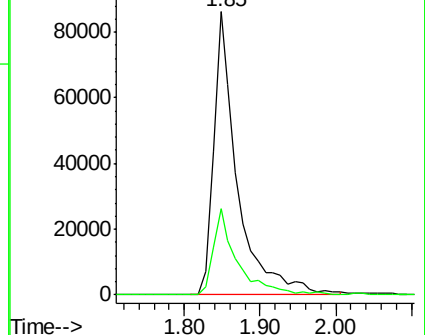
62 100

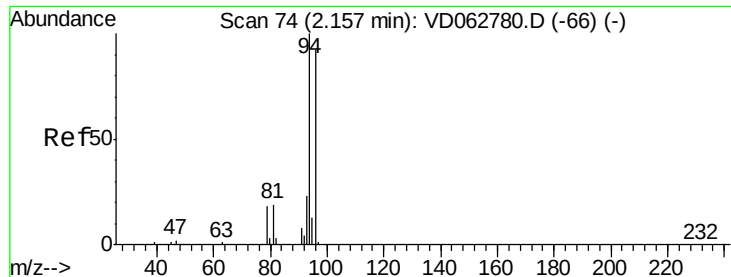
64 30.4 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.479 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

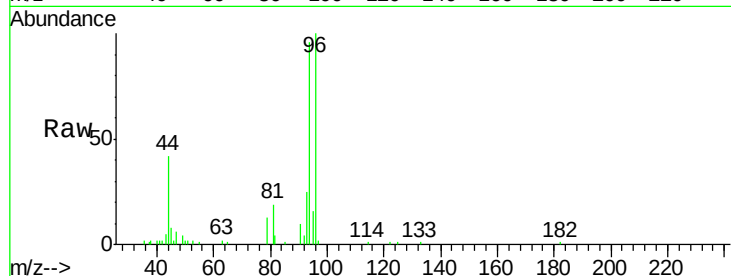
Tot Ion: 94 Resp: 62555

Ion Ratio Lower Upper

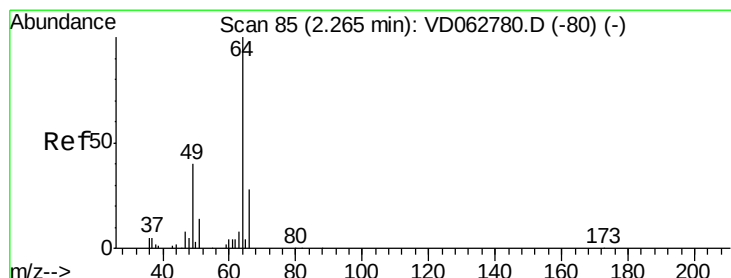
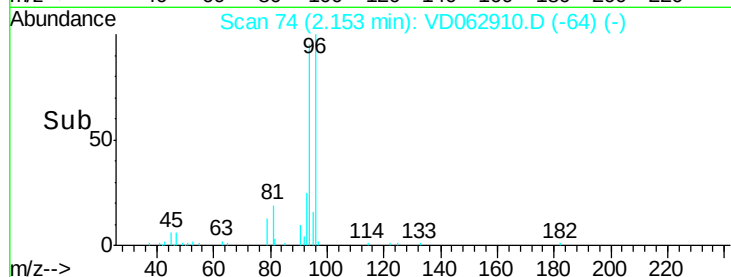
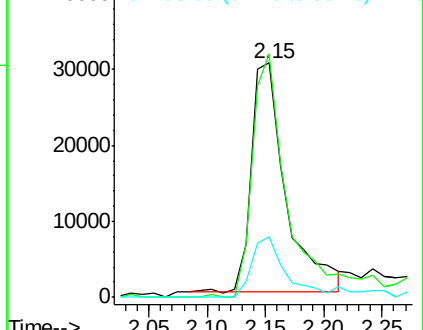
94 100

96 103.9 73.4 110.2

93 25.9 18.2 27.4



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



#6

Chloroethane

Concen: 18.817 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062910.D

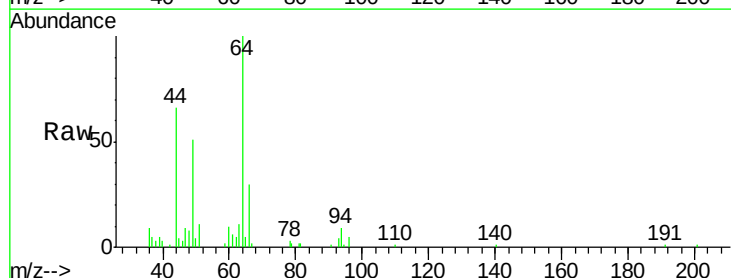
Acq: 26 Jun 2019 11:54

Tgt Ion: 64 Resp: 78590

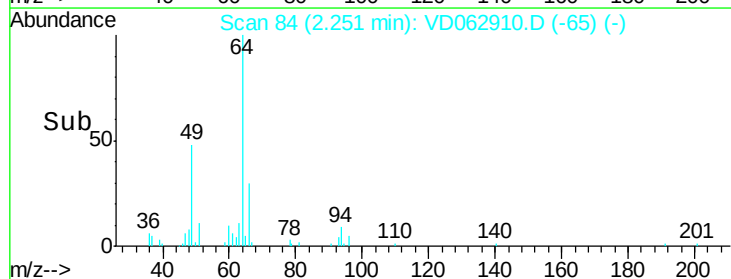
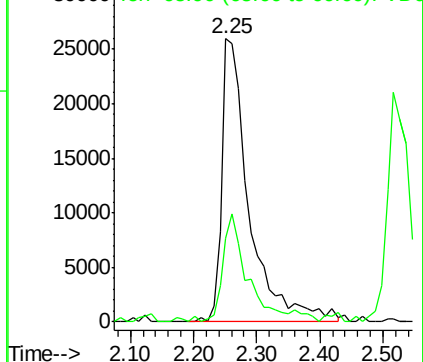
Ion Ratio Lower Upper

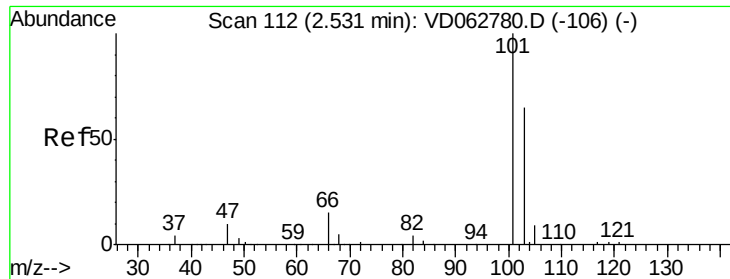
64 100

66 29.8 23.0 34.4



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



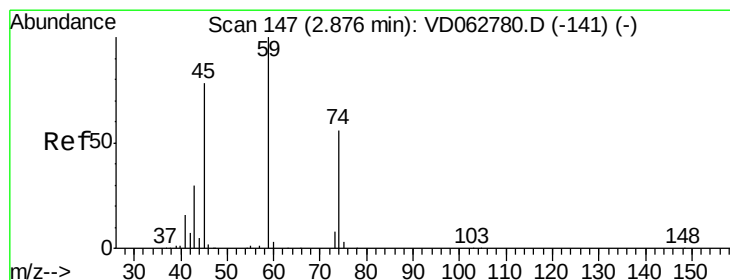
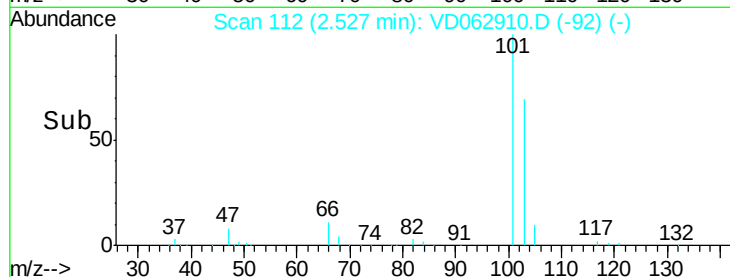
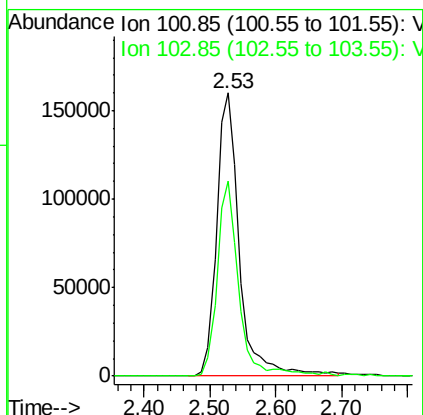
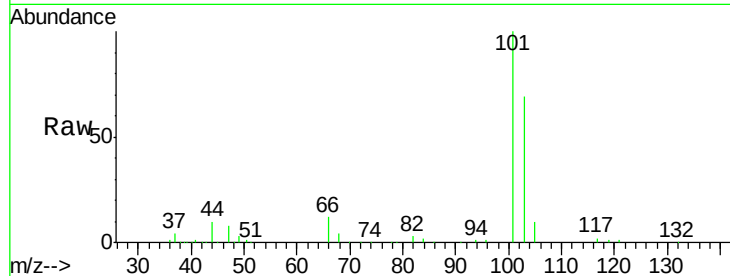


#7

Trichlorofluoromethane
 Concen: 20.516 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

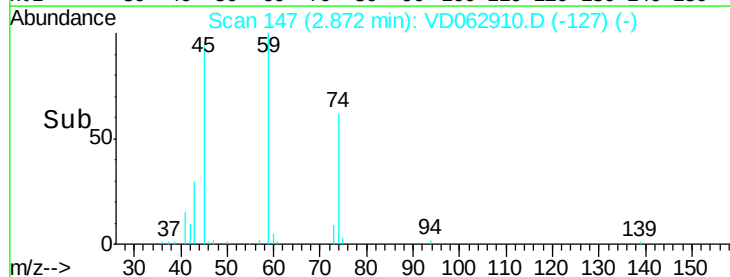
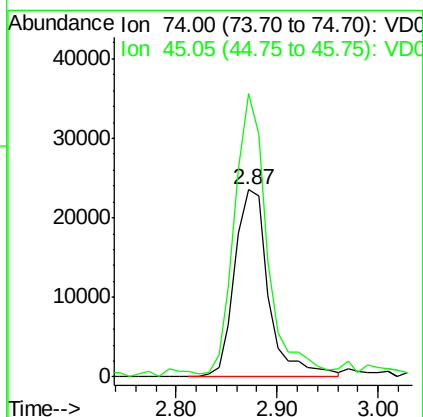
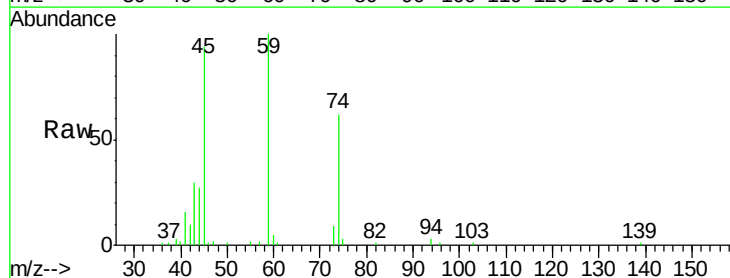
Tot Ion:101 Resp: 383022
 Ion Ratio Lower Upper
 101 100
 103 68.9 51.8 77.8

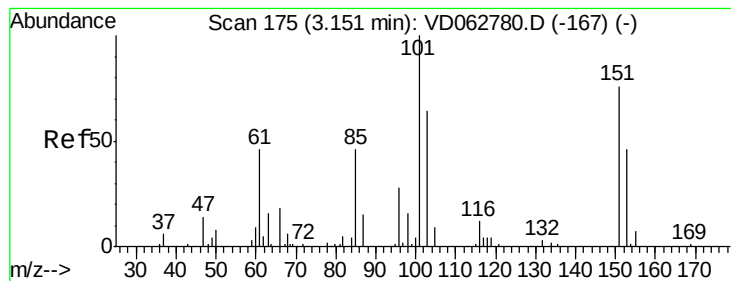


#8

Diethyl Ether
 Concen: 23.381 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion: 74 Resp: 55464
 Ion Ratio Lower Upper
 74 100
 45 151.3 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.909 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

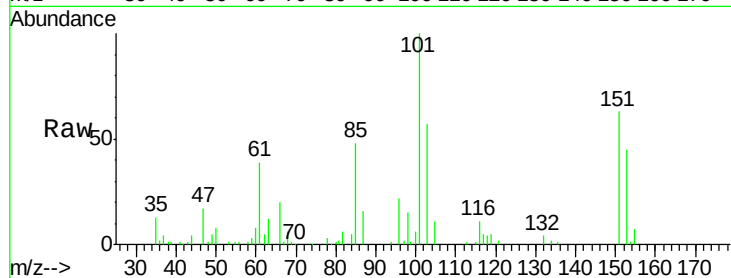
Tot Ion:101 Resp: 221597

Ion Ratio Lower Upper

101 100

85 48.0 37.0 55.4

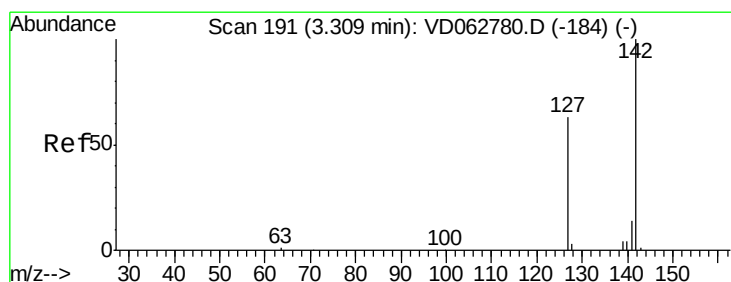
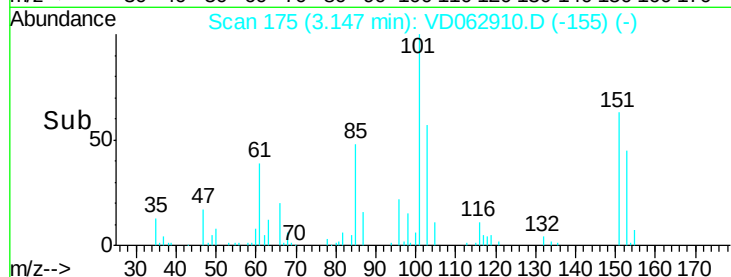
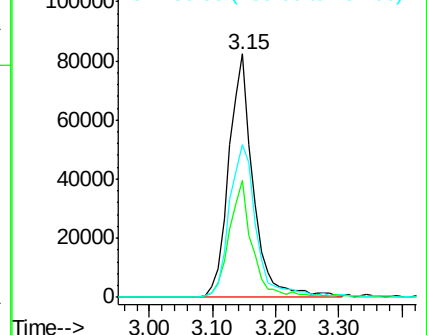
151 62.8 60.5 90.7



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: 17.995 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

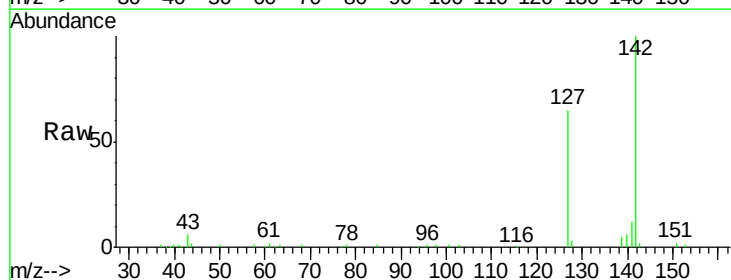
Tgt Ion:142 Resp: 240127

Ion Ratio Lower Upper

142 100

127 64.5 50.1 75.1

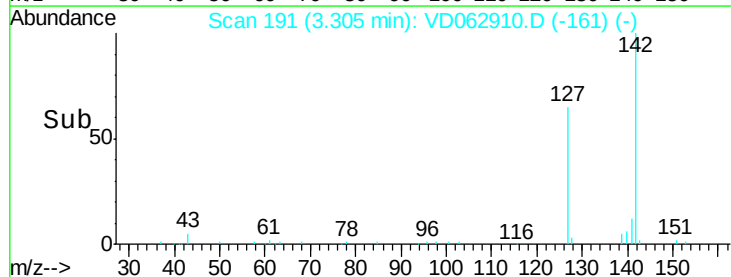
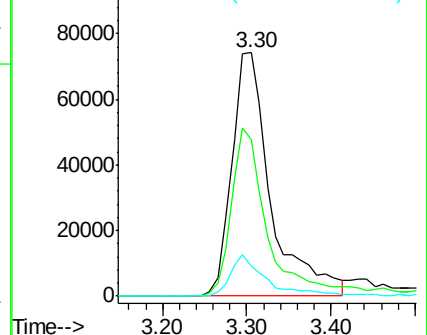
141 12.3 11.0 16.4

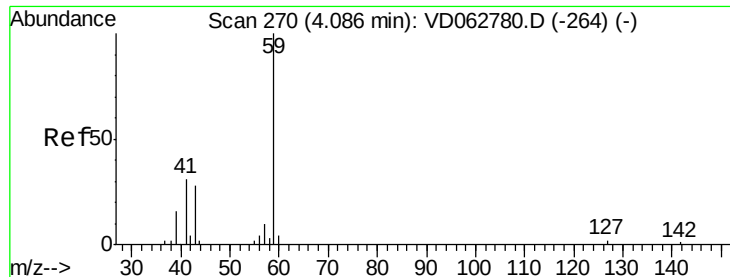


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



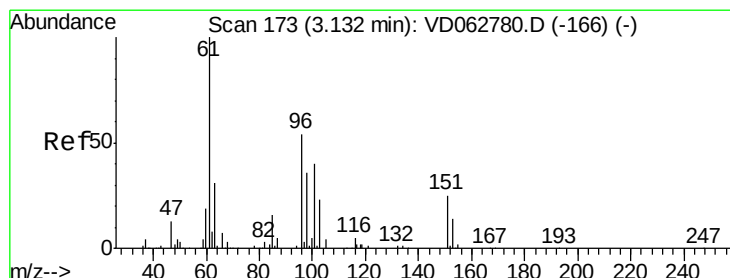
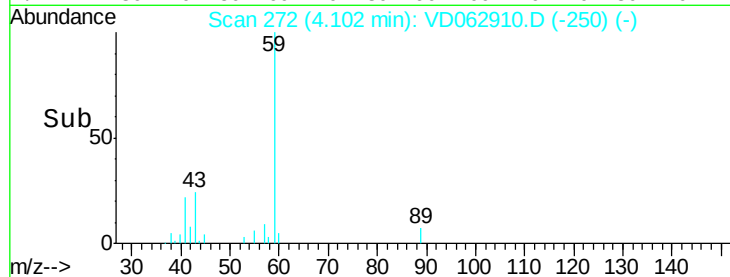
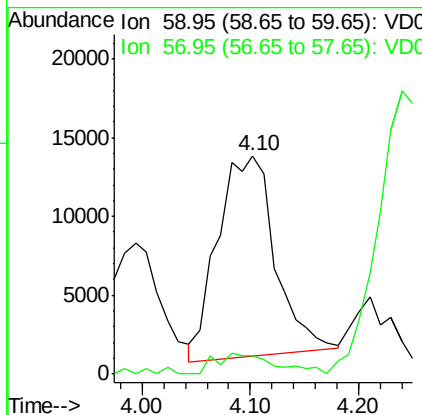
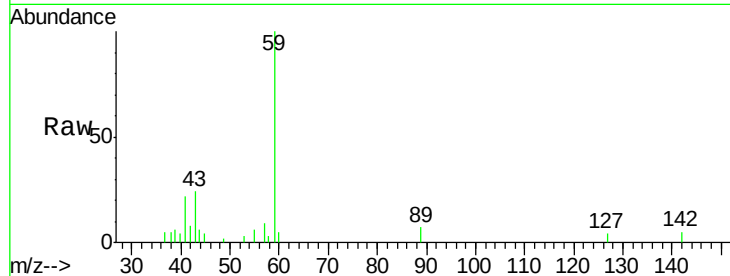


#11

Tert butyl alcohol
 Concen: 98.845 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.02 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

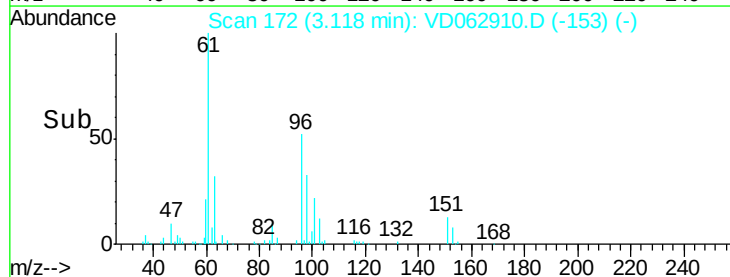
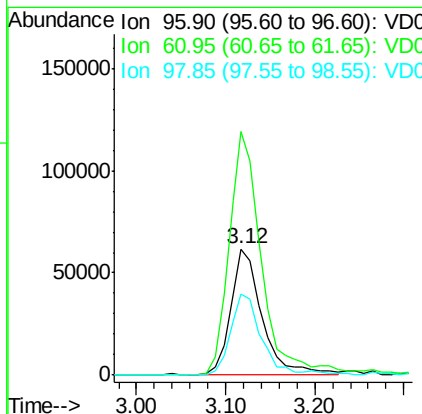
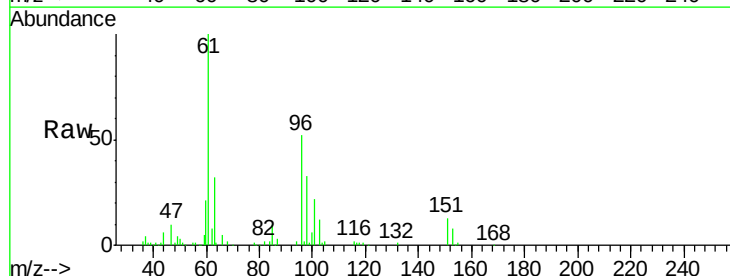
Tot Ion: 59 Resp: 46784
 Ion Ratio Lower Upper
 59 100
 57 8.7 6.6 10.0

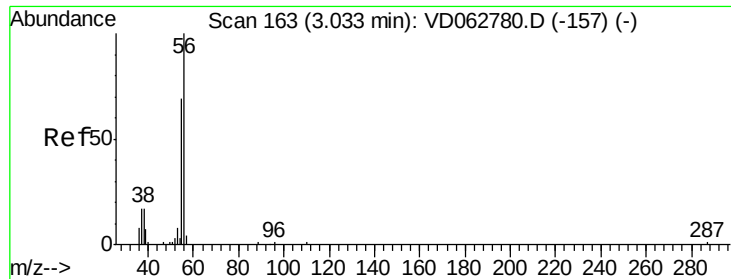


#12

1,1-Dichloroethene
 Concen: 20.152 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion: 96 Resp: 152903
 Ion Ratio Lower Upper
 96 100
 61 192.8 147.1 220.7
 98 64.1 52.6 79.0





#13

Acrolein

Concen: 85.917 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

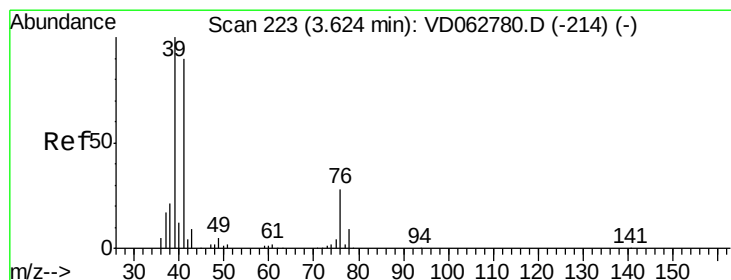
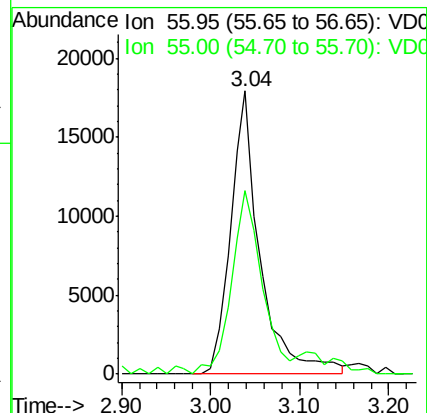
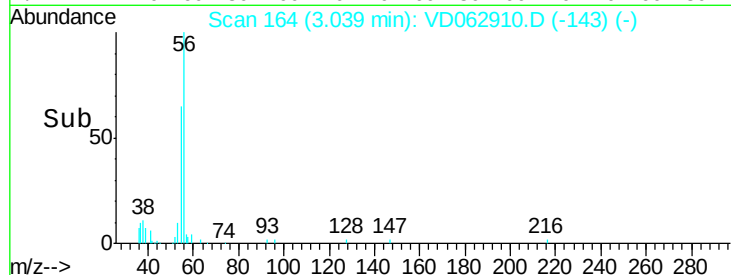
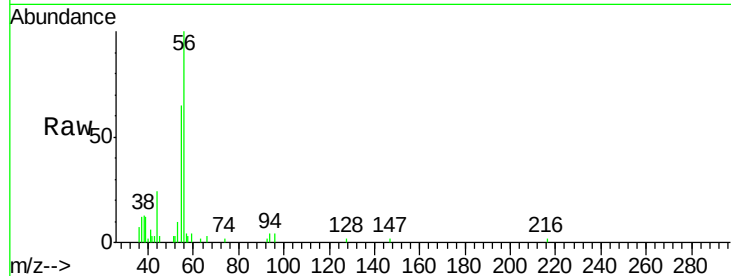
VD0626SBSD01

Tot Ion: 56 Resp: 41514

Ion Ratio Lower Upper

56 100

55 64.7 55.4 83.0



#14

Allyl chloride

Concen: 22.172 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

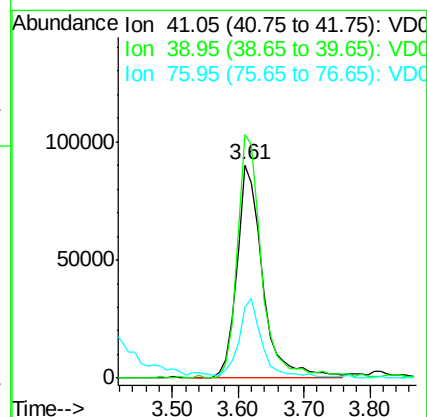
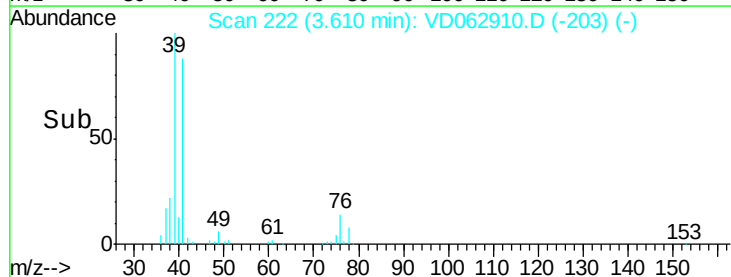
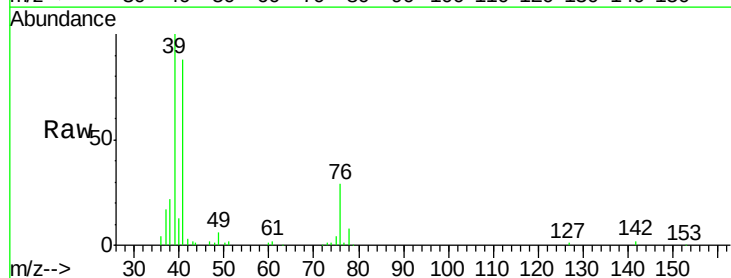
Tgt Ion: 41 Resp: 248582

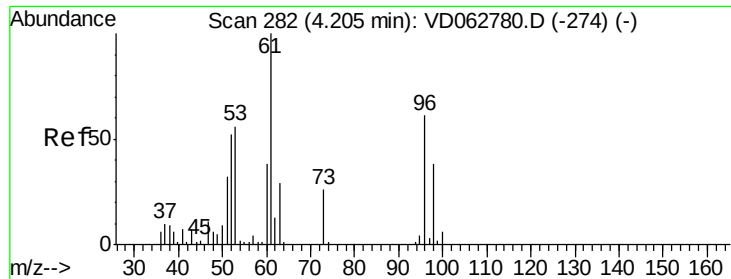
Ion Ratio Lower Upper

41 100

39 114.1 88.8 133.2

76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 118.292 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

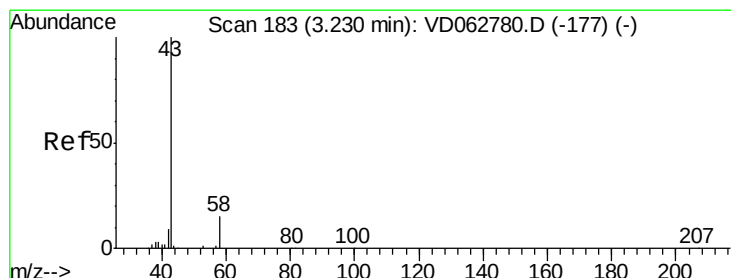
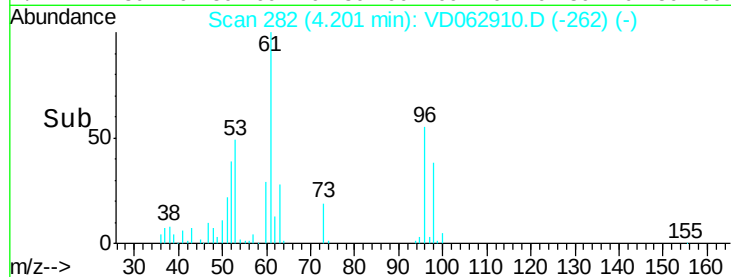
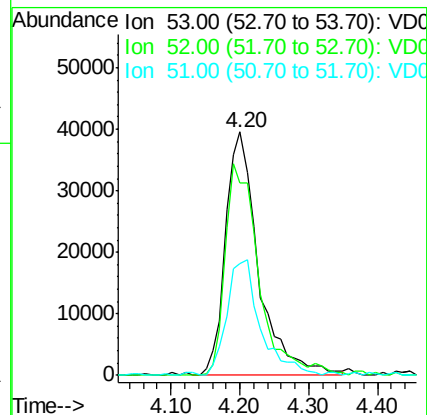
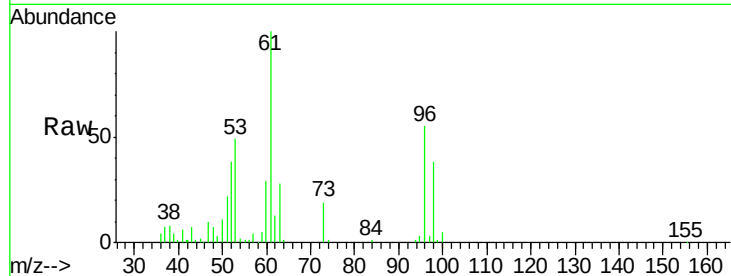
Tot Ion: 53 Resp: 131557

Ion Ratio Lower Upper

53 100

52 78.9 73.3 109.9

51 45.8 44.8 67.2



#16

Acetone

Concen: 100.643 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062910.D

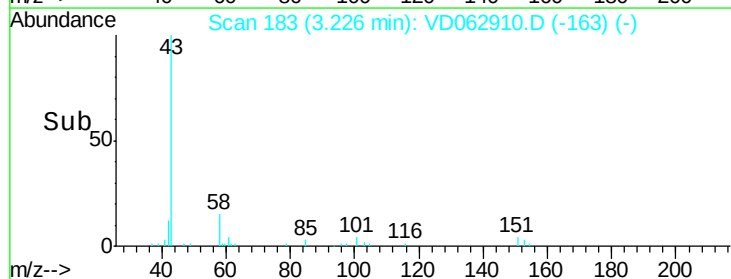
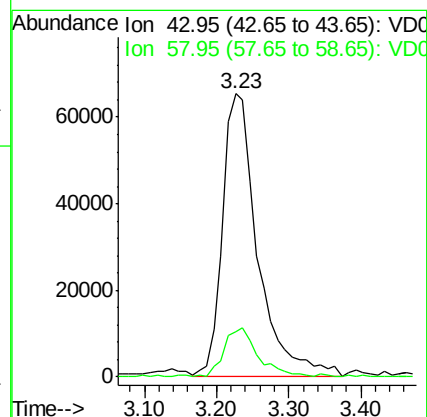
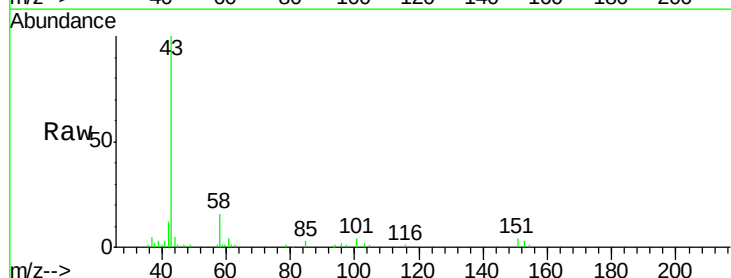
Acq: 26 Jun 2019 11:54

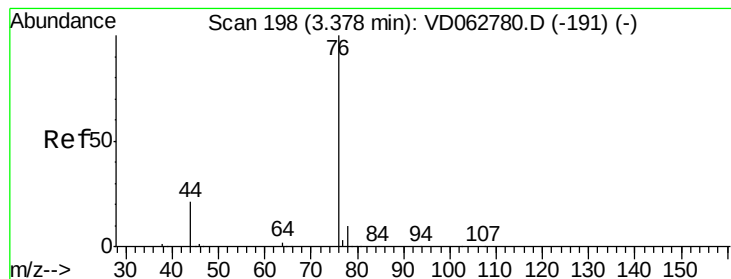
Tgt Ion: 43 Resp: 220906

Ion Ratio Lower Upper

43 100

58 15.9 11.9 17.9





#17

Carbon Disulfide

Concen: 20.721 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

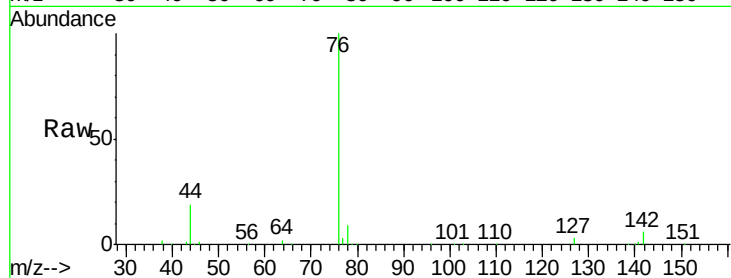
VD0626SBSD01

Tot Ion: 76 Resp: 502465

Ion Ratio Lower Upper

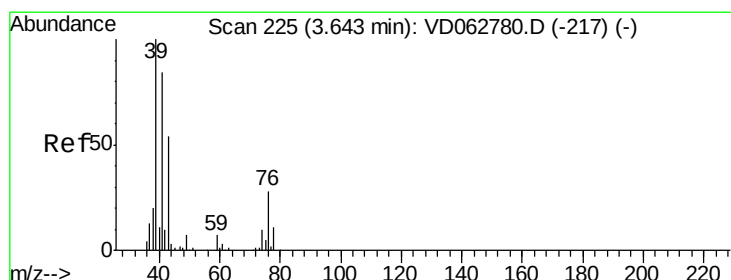
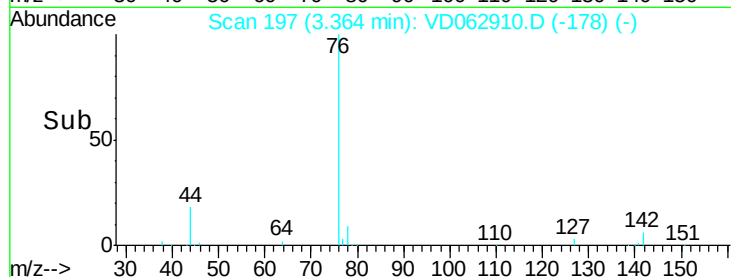
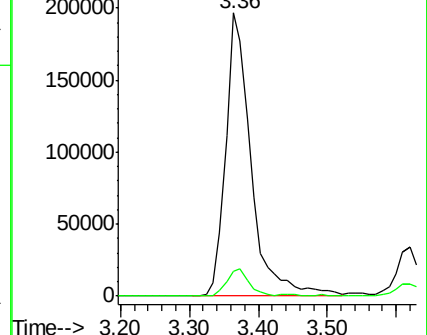
76 100

78 8.9 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: 29.336 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062910.D

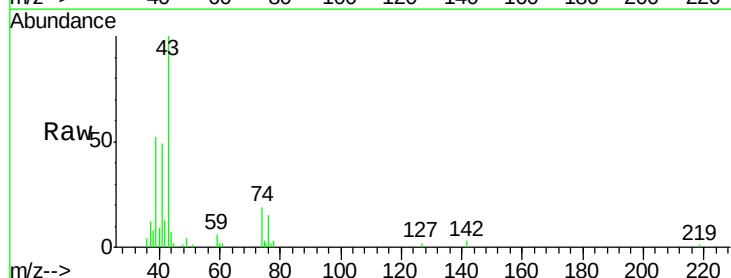
Acq: 26 Jun 2019 11:54

Tgt Ion: 43 Resp: 92030

Ion Ratio Lower Upper

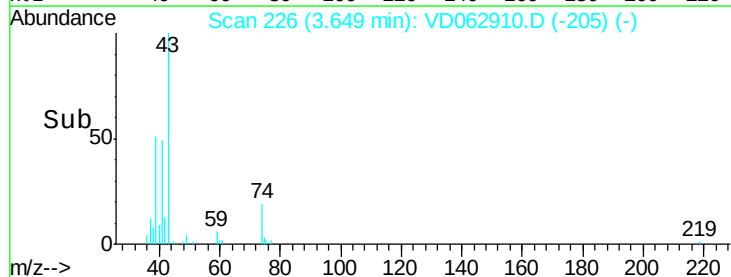
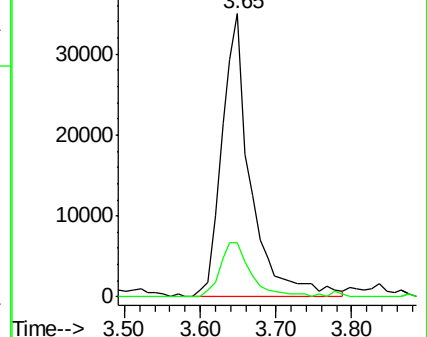
43 100

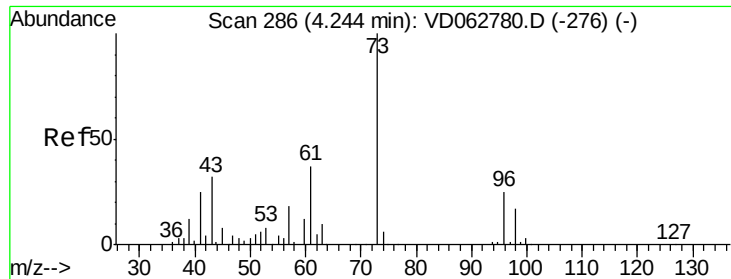
74 21.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

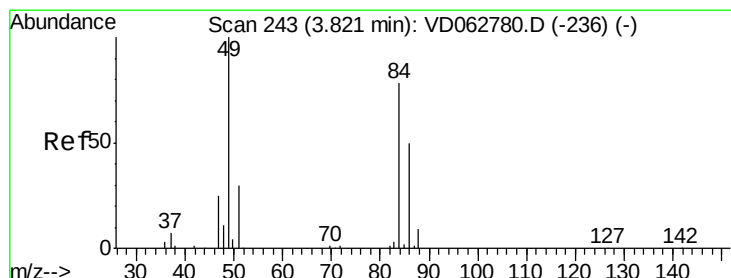
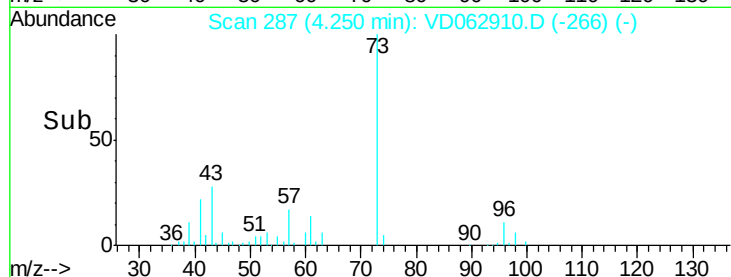
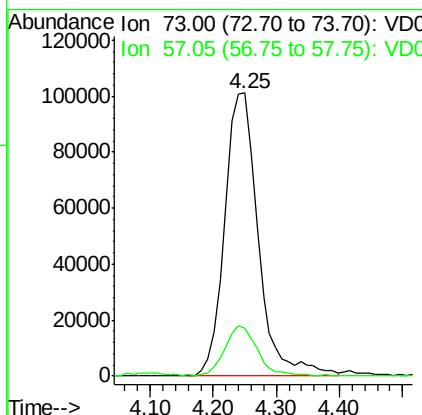
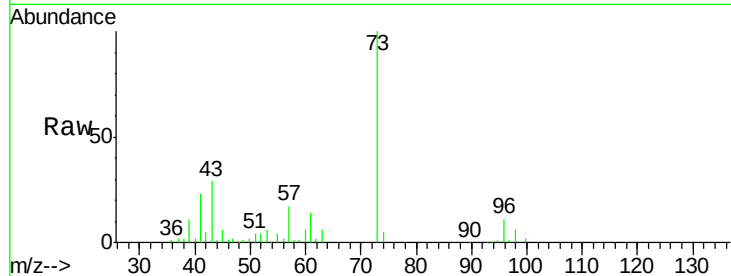




#19
Methyl tert-butyl Ether
Concen: 22.765 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

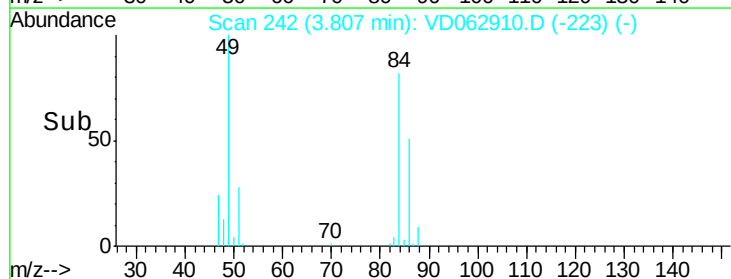
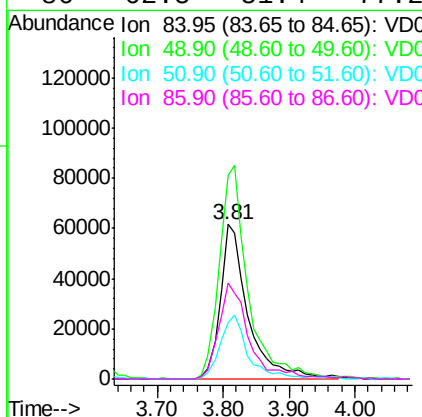
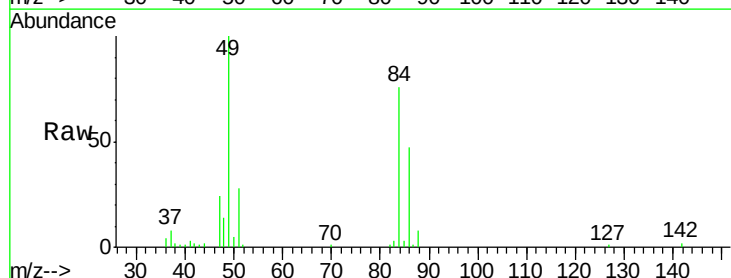
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

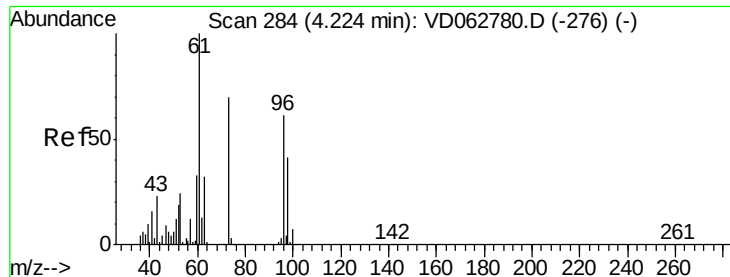
Tot Ion: 73 Resp: 373924
Ion Ratio Lower Upper
73 100
57 16.9 14.3 21.5



#20
Methylene Chloride
Concen: 22.794 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion: 84 Resp: 180656
Ion Ratio Lower Upper
84 100
49 131.5 102.9 154.3
51 36.6 31.2 46.8
86 62.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.152 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

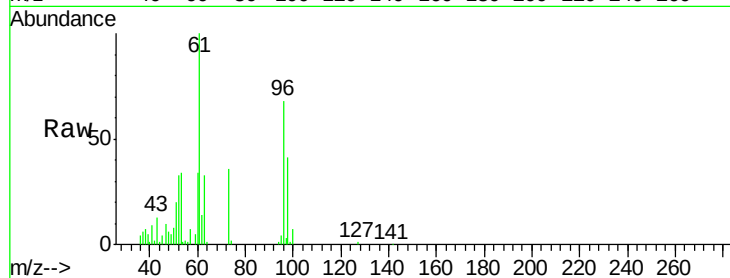
Tot Ion: 96 Resp: 178966

Ion Ratio Lower Upper

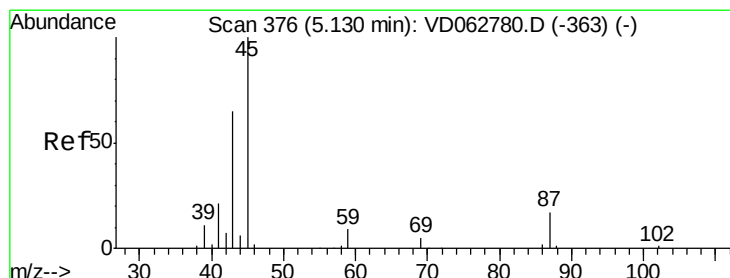
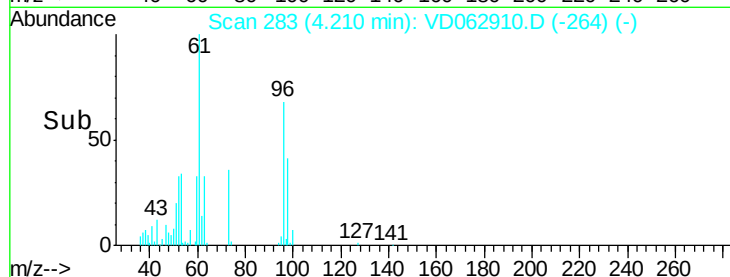
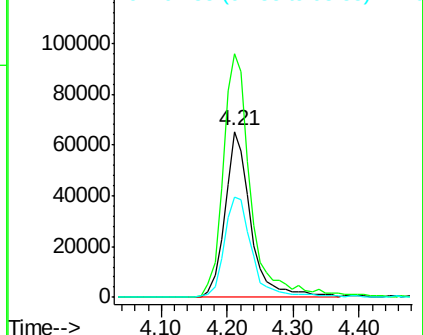
96 100

61 146.7 131.0 196.4

98 60.1 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: 21.348 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Tgt Ion: 45 Resp: 486725

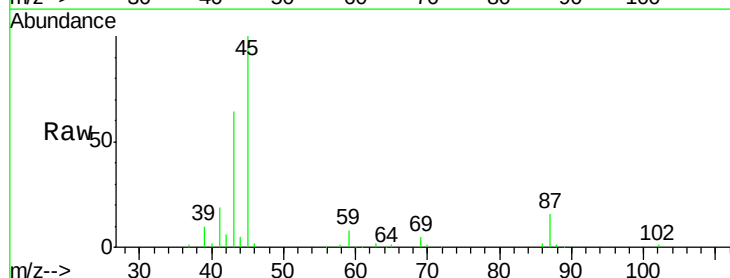
Ion Ratio Lower Upper

45 100

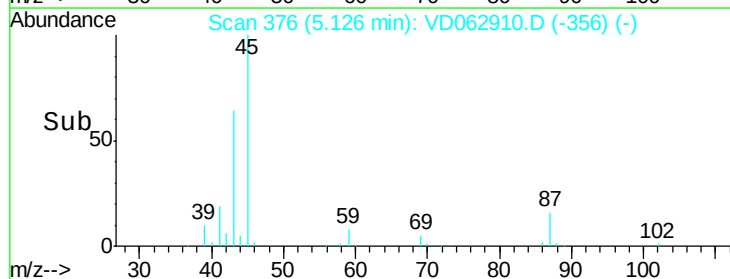
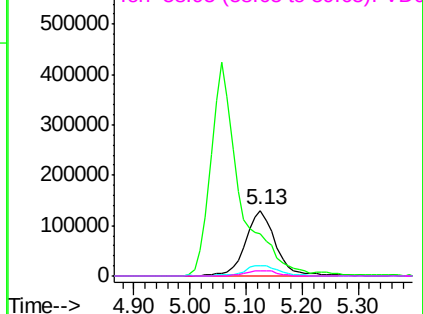
43 64.1 53.4 80.0

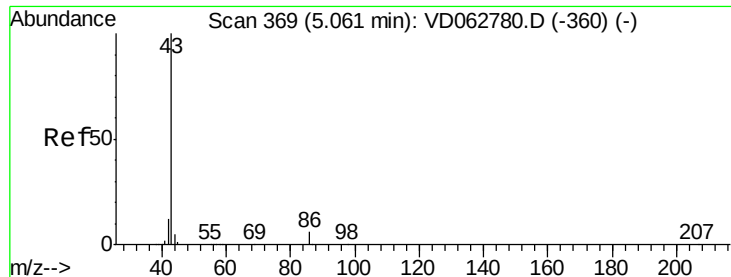
87 16.3 14.6 22.0

59 8.3 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: 107.583 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

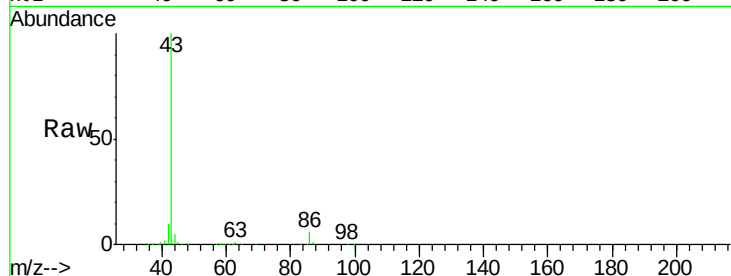
VD0626SBSD01

Tot Ion: 43 Resp: 1534885

Ion Ratio Lower Upper

43 100

86 6.2 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

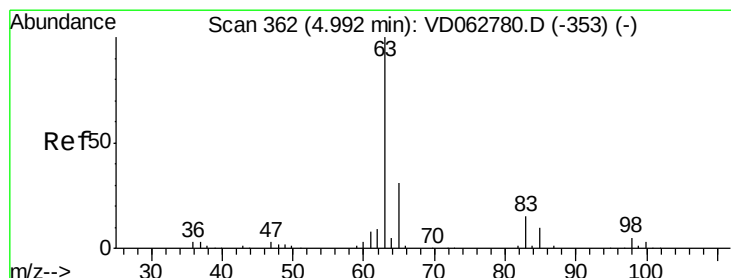
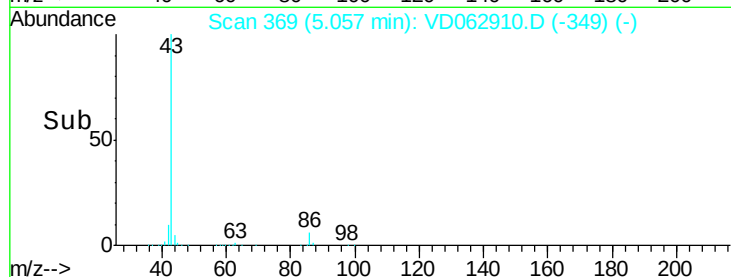
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.968 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

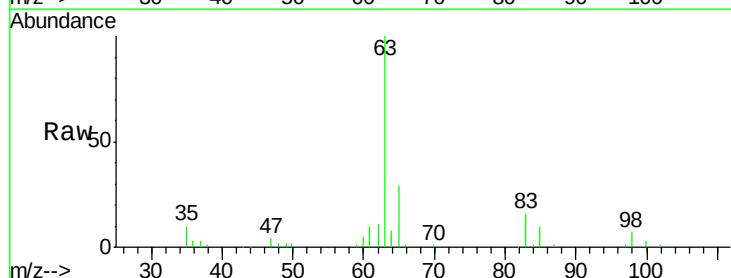
Tgt Ion: 63 Resp: 311255

Ion Ratio Lower Upper

63 100

98 7.1 2.3 6.9#

100 3.0 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

4.98

120000

100000

80000

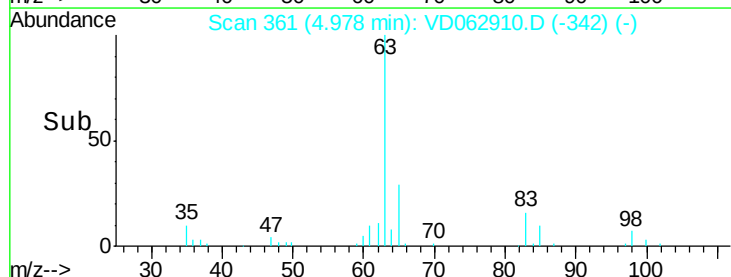
60000

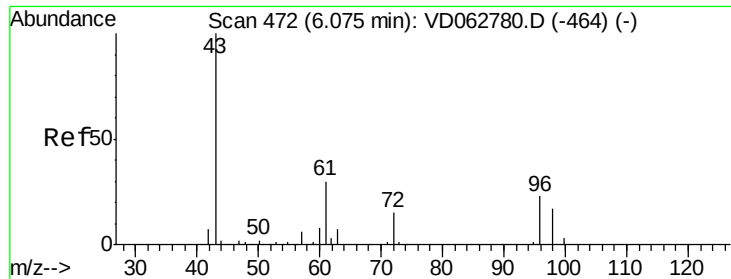
40000

20000

0

Time-->





#25

2-Butanone

Concen: 115.511 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

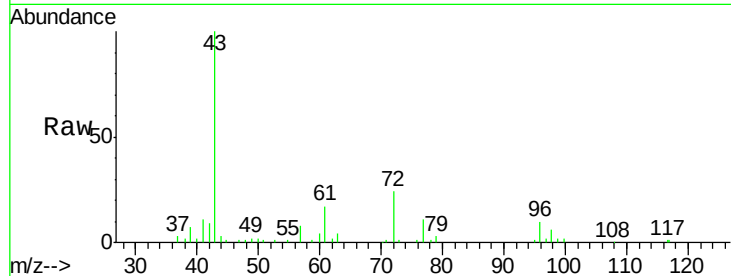
VD0626SBSD01

Tot Ion: 43 Resp: 224512

Ion Ratio Lower Upper

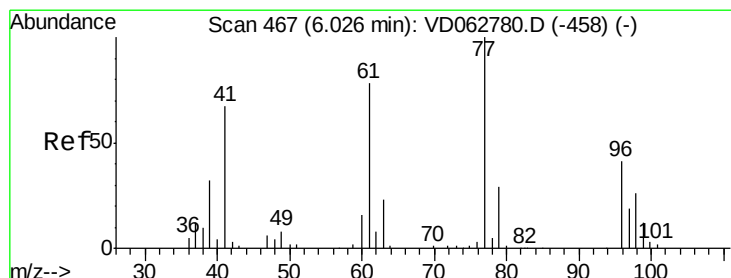
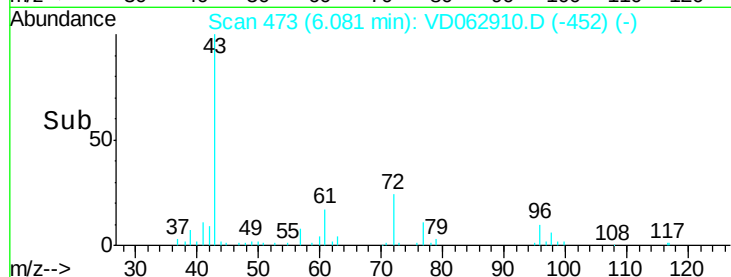
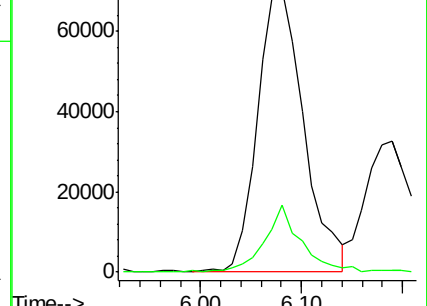
43 100

72 23.8 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: 20.397 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062910.D

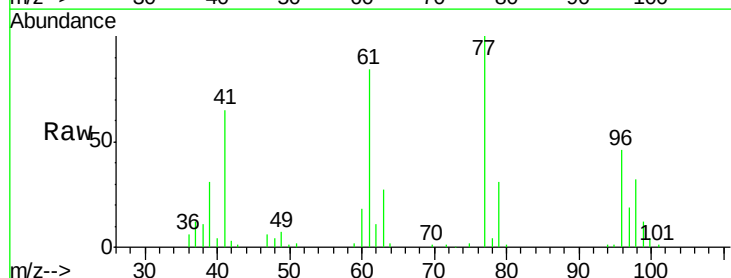
Acq: 26 Jun 2019 11:54

Tgt Ion: 77 Resp: 320934

Ion Ratio Lower Upper

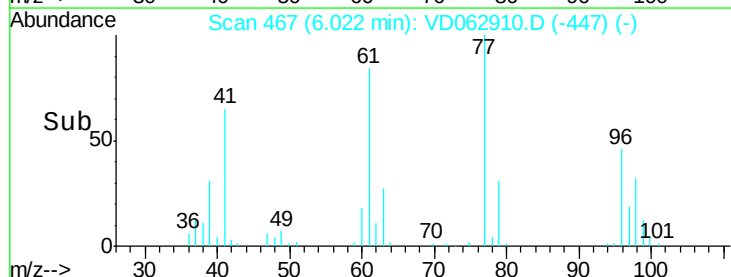
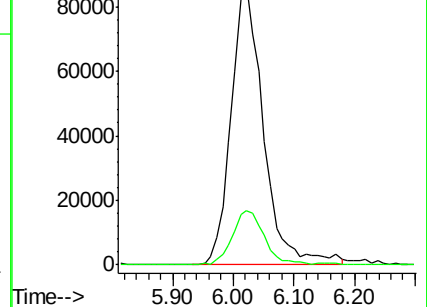
77 100

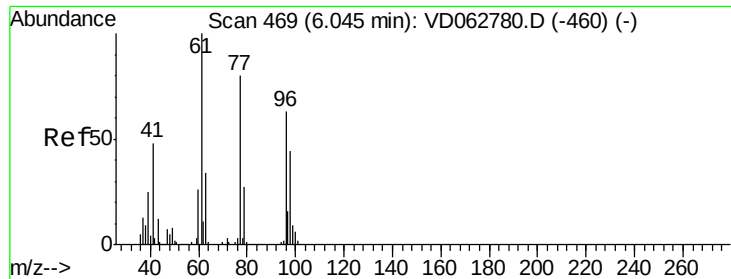
97 19.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

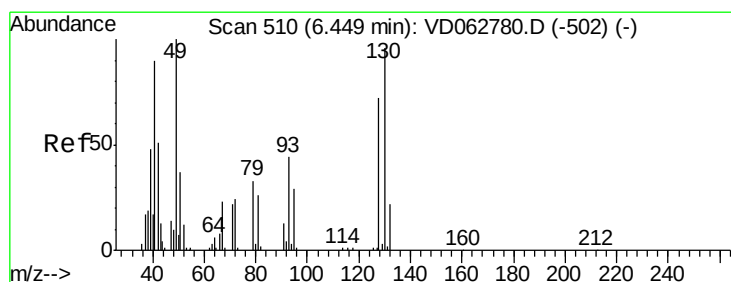
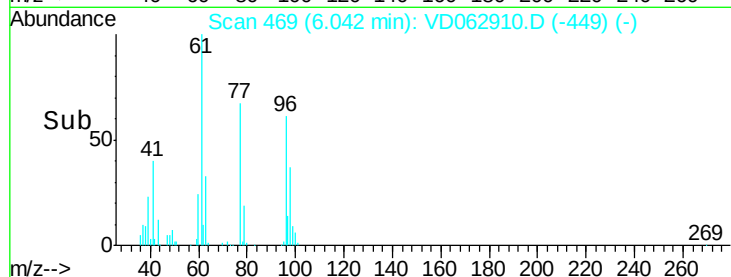
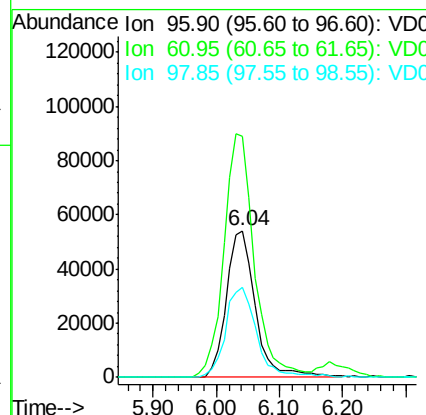
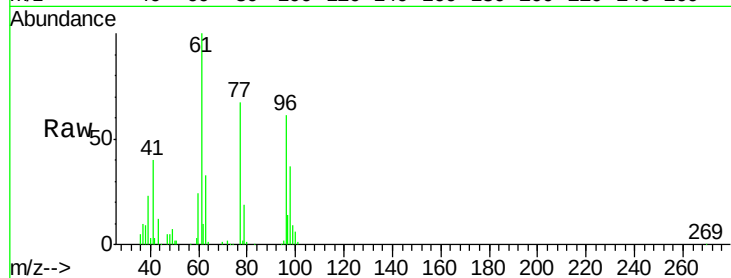




#27
 cis-1,2-Dichloroethene
 Concen: 20.249 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

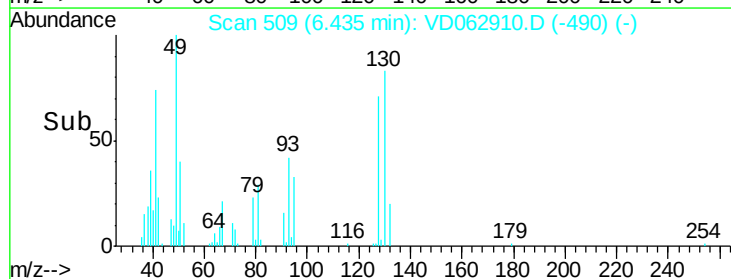
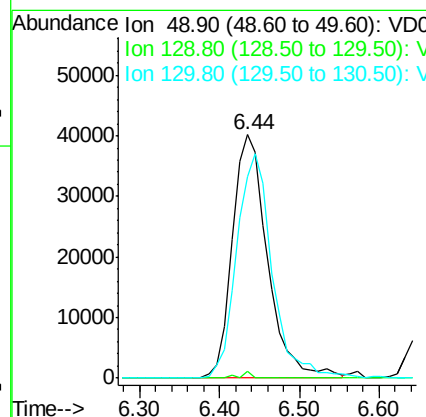
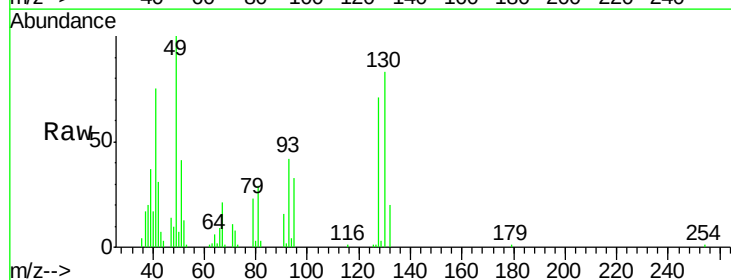
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

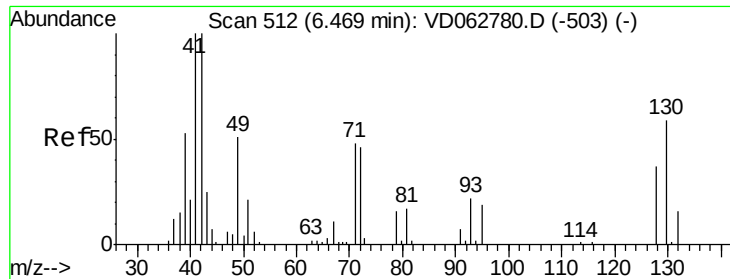
Tot Ion: 96 Resp: 172995
 Ion Ratio Lower Upper
 96 100
 61 165.0 0.0 316.0
 98 61.1 0.0 138.4



#28
 Bromochloromethane
 Concen: 23.675 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion: 49 Resp: 123779
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 5.6
 130 82.6 76.6 114.8

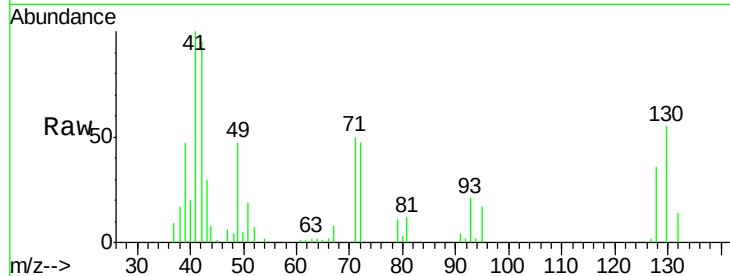




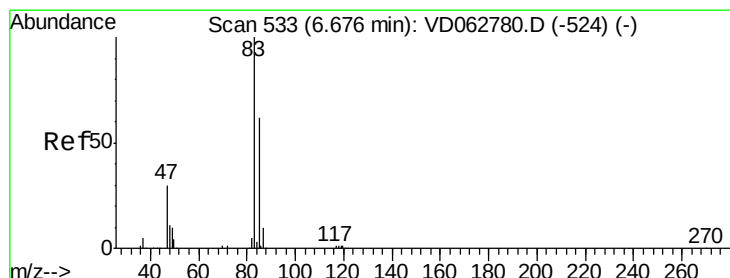
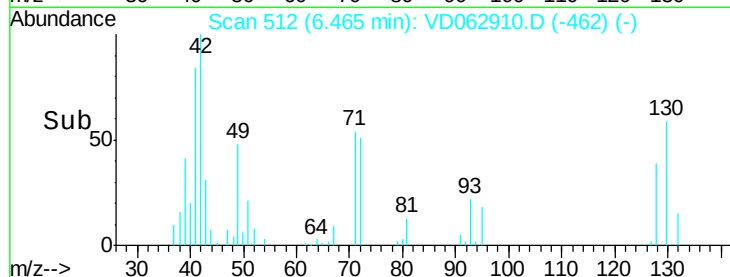
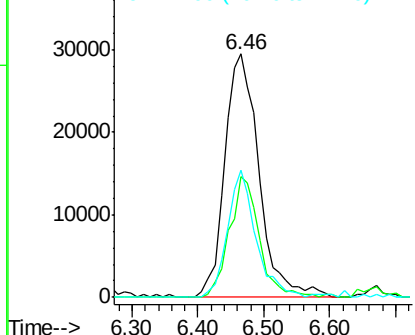
#29
Tetrahydrofuran
Concen: 116.978 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion: 42 Resp: 107574
Ion Ratio Lower Upper
42 100
72 43.1 35.0 52.6
71 43.4 33.3 49.9

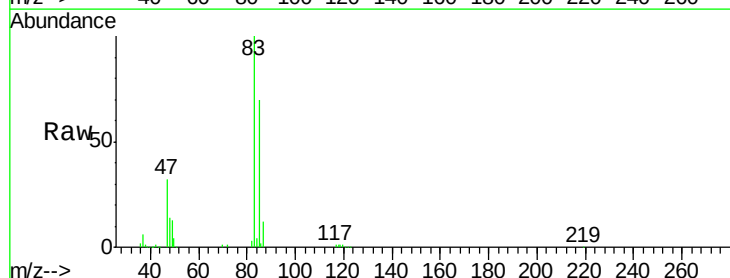


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

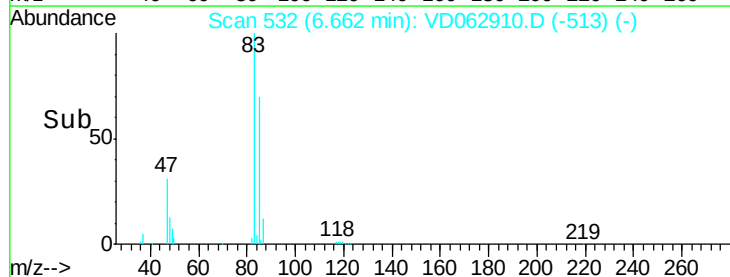
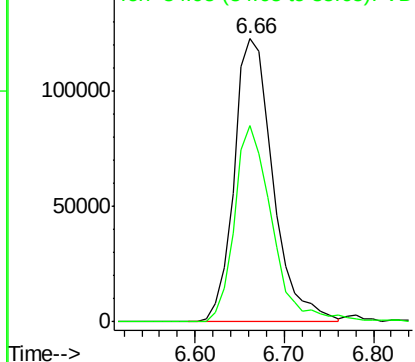


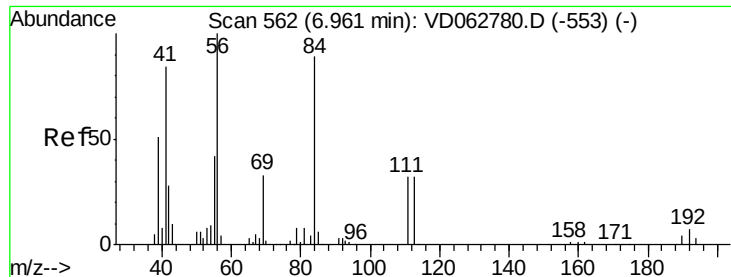
#30
Chloroform
Concen: 20.617 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion: 83 Resp: 372205
Ion Ratio Lower Upper
83 100
85 69.5 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: 22.595 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

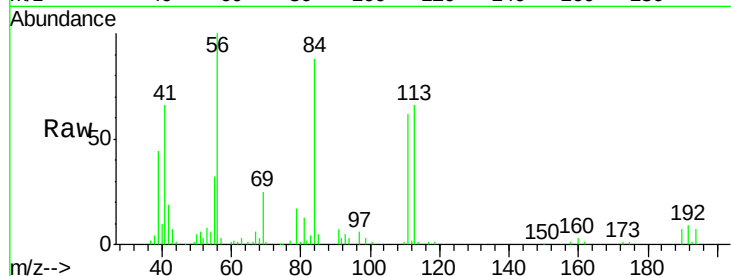
Tot Ion: 56 Resp: 220505

Ion Ratio Lower Upper

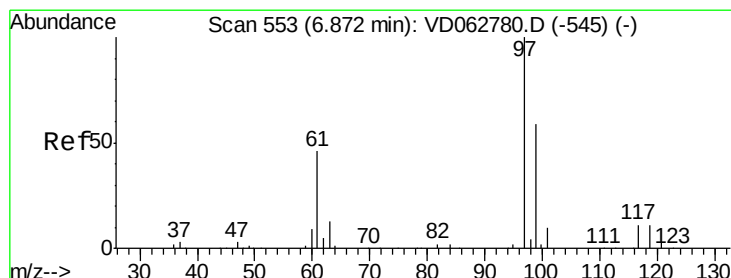
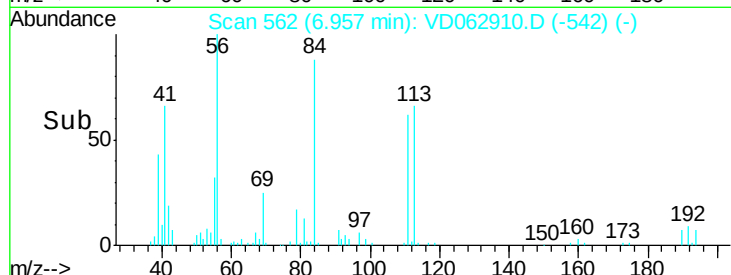
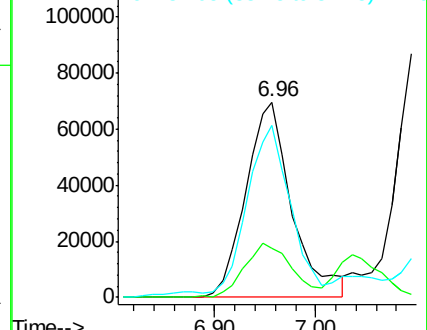
56 100

69 25.4 26.6 39.8#

84 88.1 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: 20.146 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

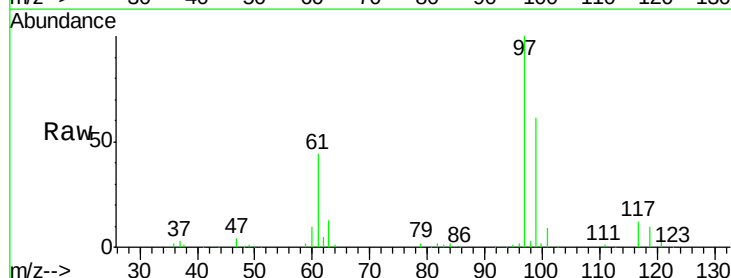
Tgt Ion: 97 Resp: 378818

Ion Ratio Lower Upper

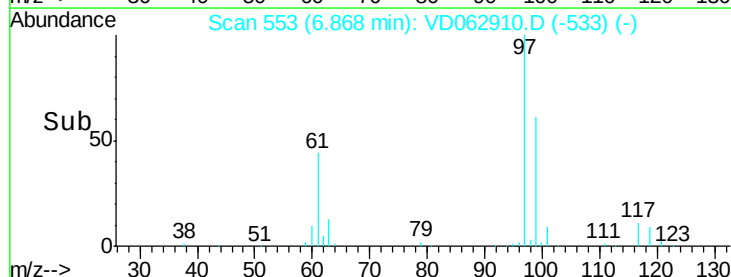
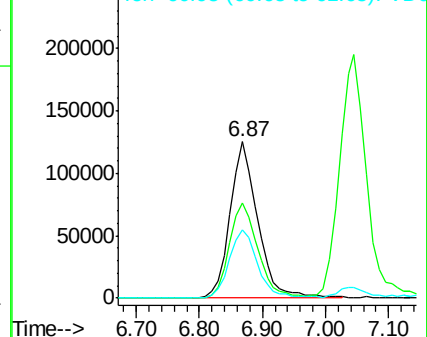
97 100

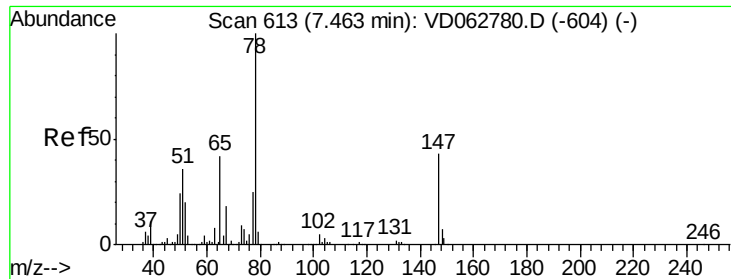
99 61.0 47.4 71.2

61 44.0 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

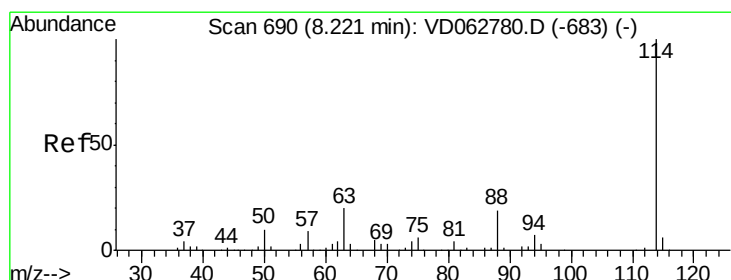
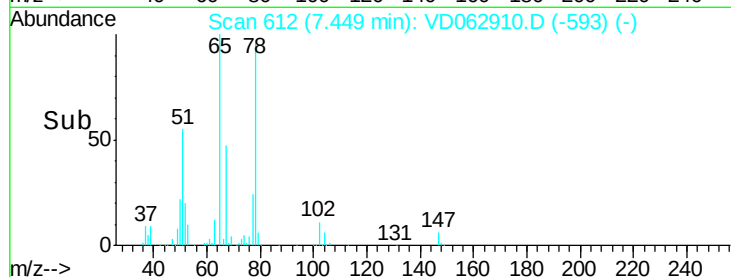
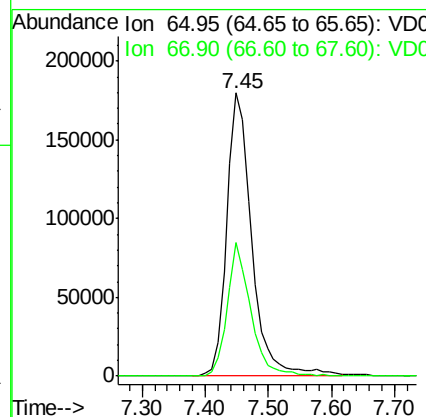
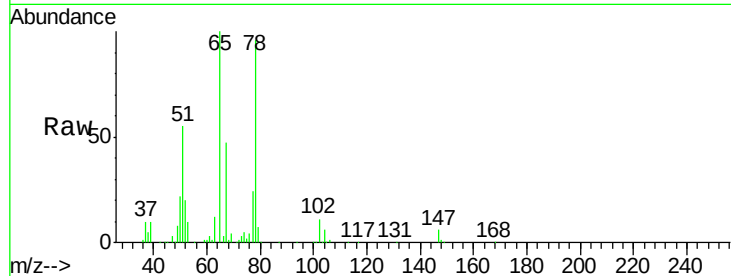




#33
 1,2-Dichloroethane-d4
 Concen: 47.599 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

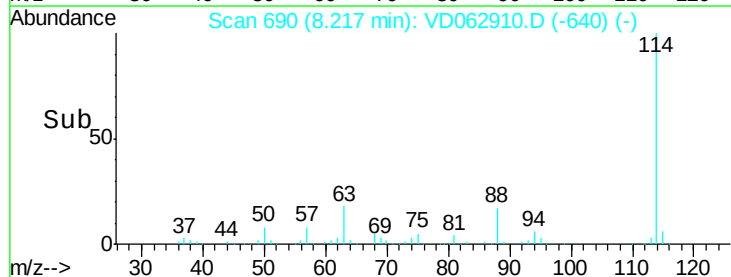
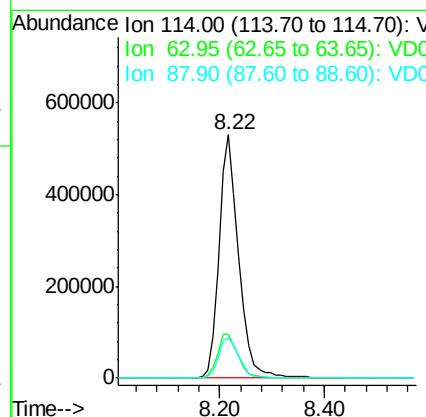
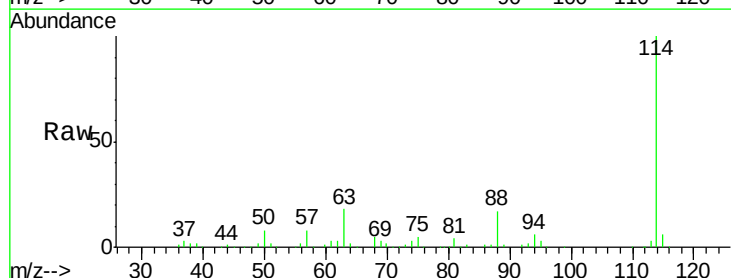
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

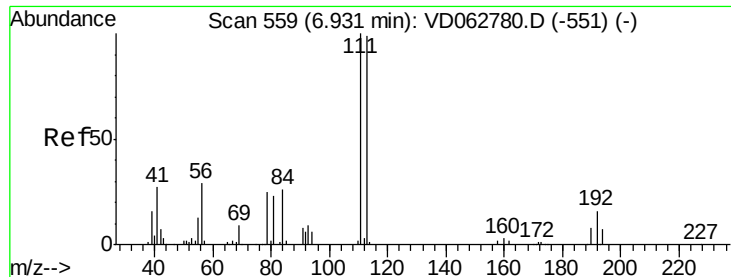
Tot Ion: 65 Resp: 494655
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion: 114 Resp: 1370831
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 40.0
 88 16.6 0.0 38.8

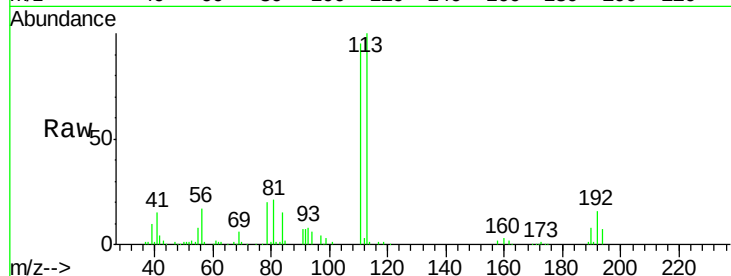




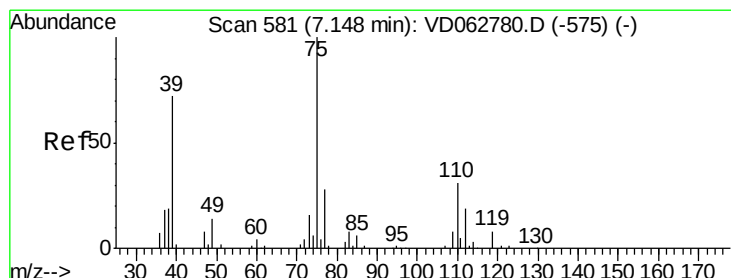
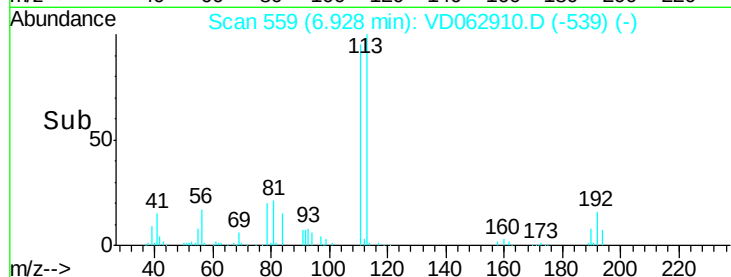
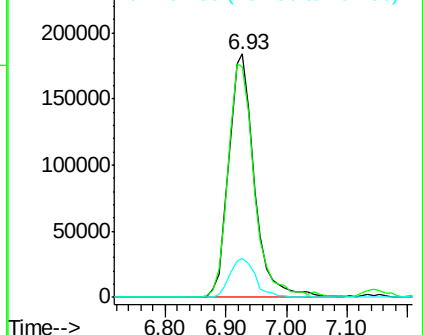
#35
Dibromofluoromethane
Concen: 46.655 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	94.8	81.2	121.8
192	15.8	12.9	19.3

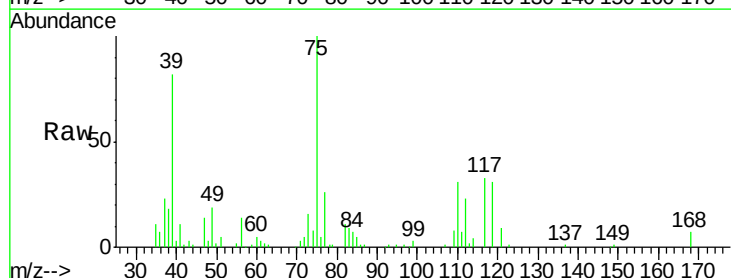


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

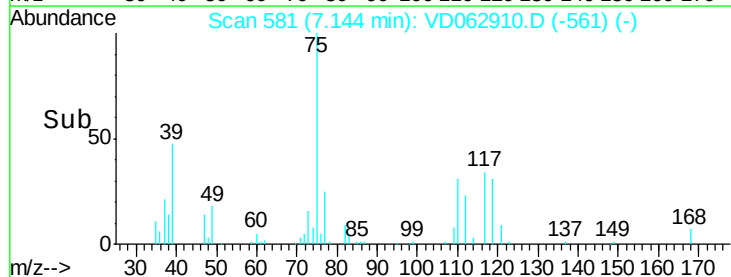
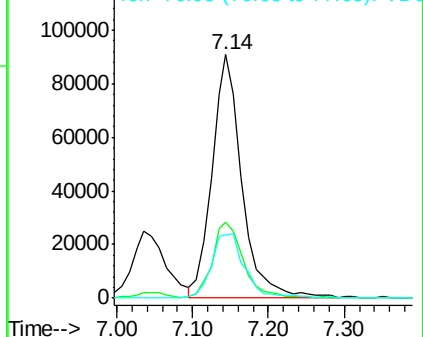


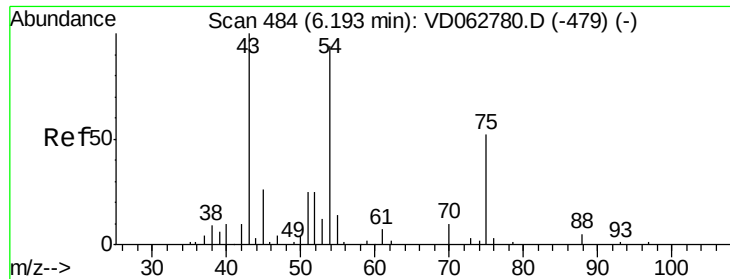
#36
1,1-Dichloropropene
Concen: 19.171 ug/l
RT: 7.14 min Scan# 581
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.0	45.1
77	25.8	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

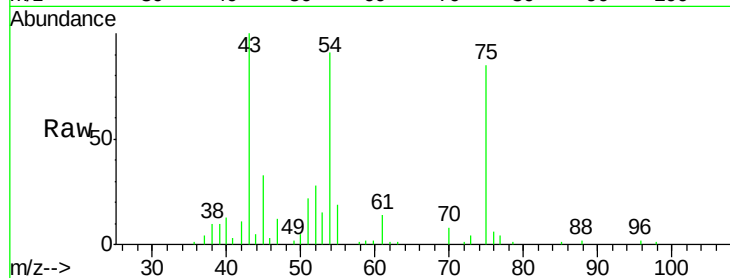




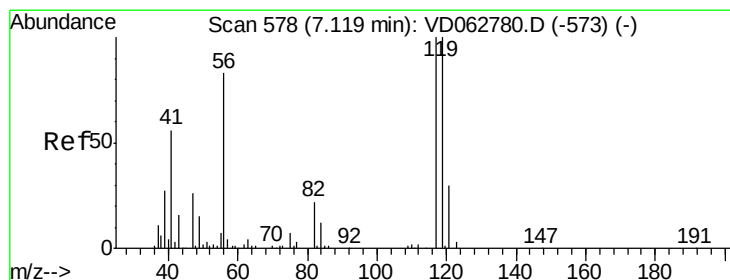
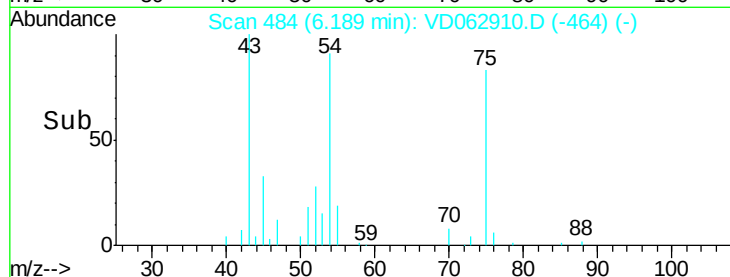
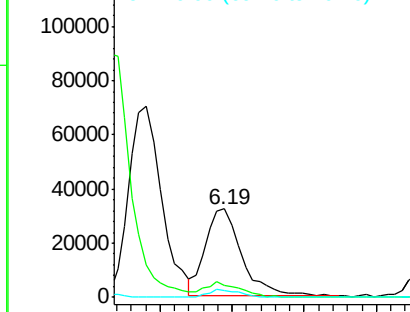
#37
Ethyl Acetate
Concen: 19.943 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Instrument :
MSVOA_D
ClientSampleID :
VD0626SBSD01

Tot Ion: 43 Resp: 112320
Ion Ratio Lower Upper
43 100
61 13.6 11.6 17.4
70 7.8 6.4 9.6

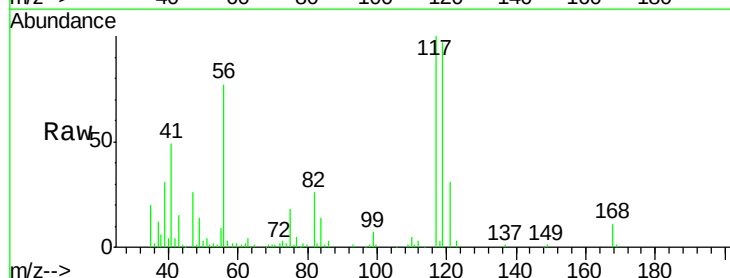


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

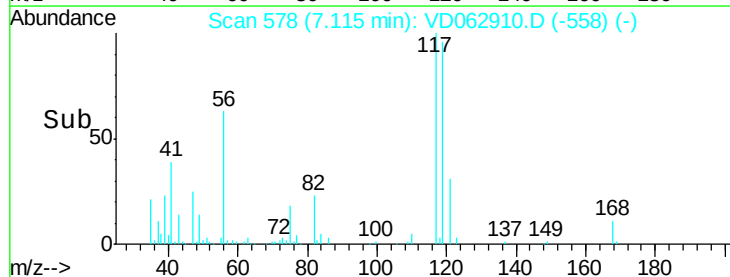
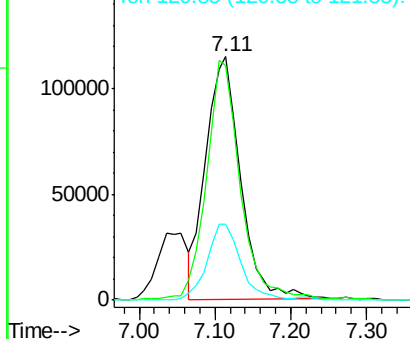


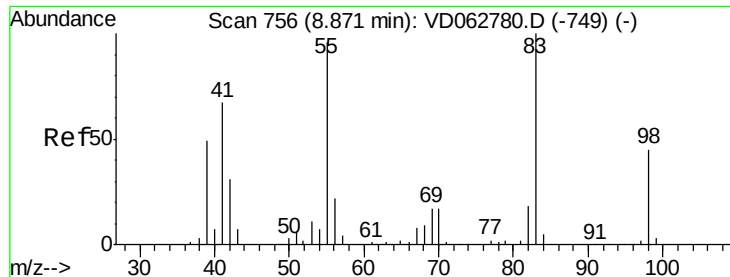
#38
Carbon Tetrachloride
Concen: 18.774 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion: 117 Resp: 366405
Ion Ratio Lower Upper
117 100
119 96.5 75.4 113.2
121 31.1 22.3 33.5



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

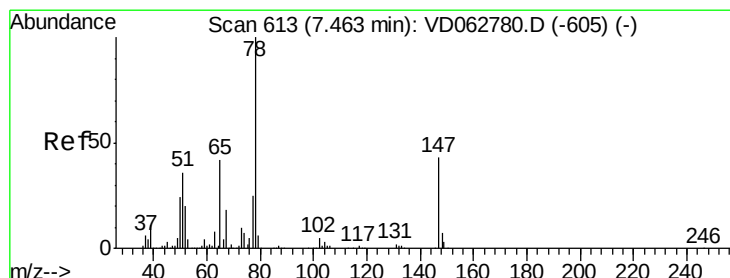
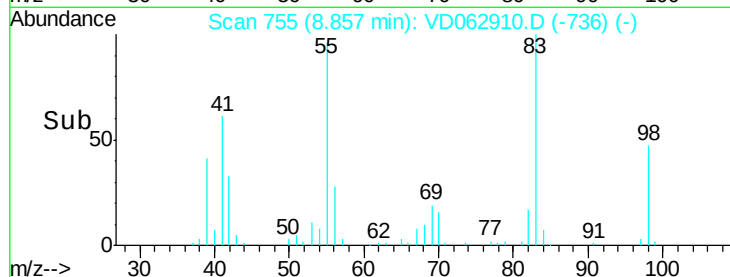
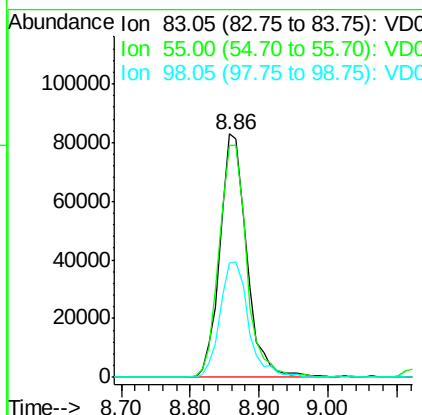
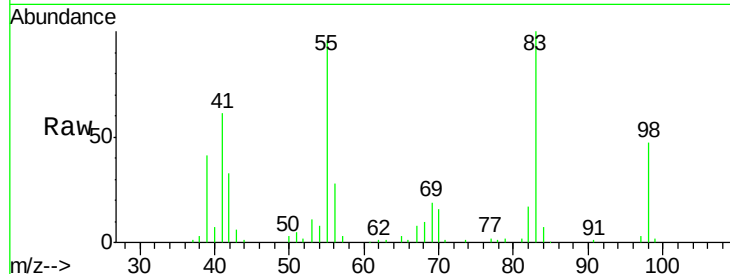




#39
Methylvlcyclohexane
Concen: 19.636 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

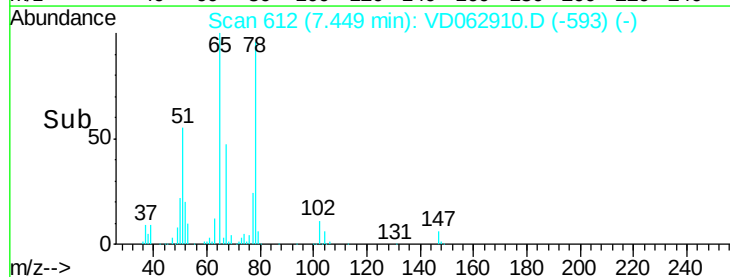
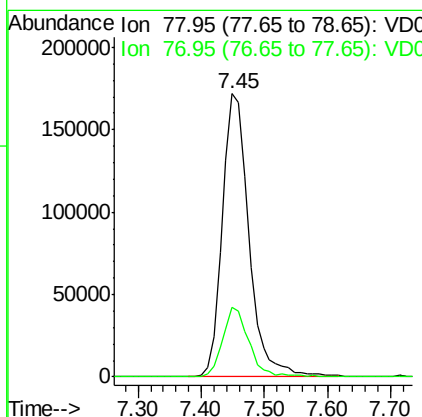
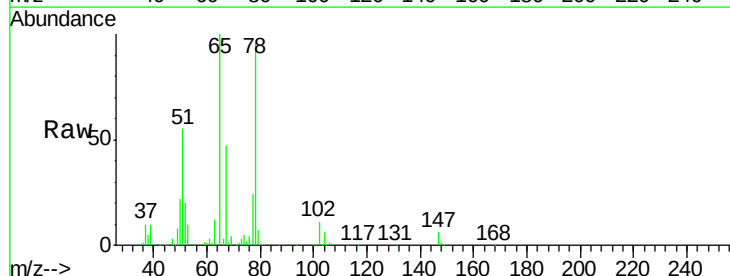
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

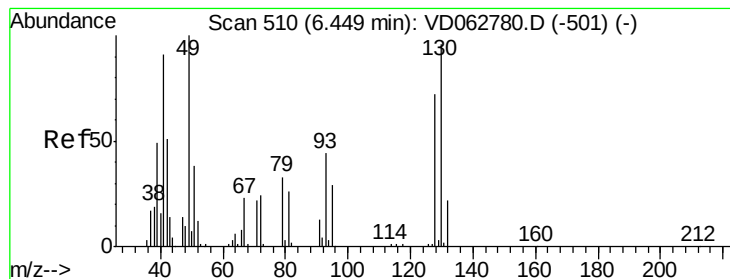
Tot Ion: 83 Resp: 224297
Ion Ratio Lower Upper
83 100
55 95.5 76.6 115.0
98 47.1 35.7 53.5



#40
Benzene
Concen: 19.468 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion: 78 Resp: 507106
Ion Ratio Lower Upper
78 100
77 24.8 20.2 30.2





#41

Methacrylonitrile

Concen: 22.509 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

Tot Ion: 41 Resp: 154039

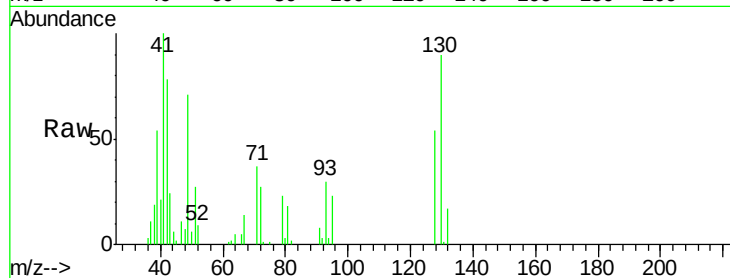
Ion Ratio Lower Upper

41 100

39 54.4 43.2 64.8

67 14.0 19.9 29.9#

52 9.2 10.2 15.4#

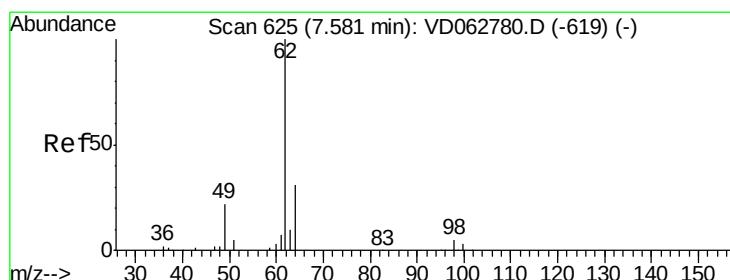
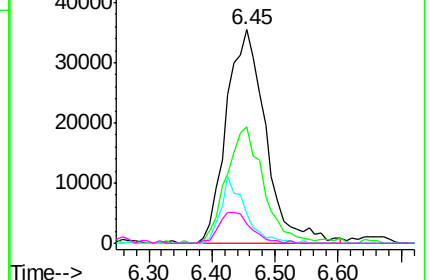
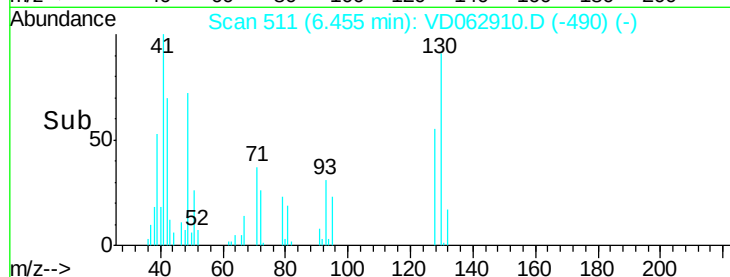


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.314 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD062910.D

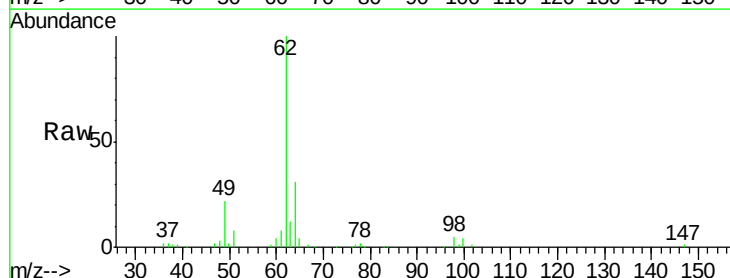
Acq: 26 Jun 2019 11:54

Tgt Ion: 62 Resp: 288670

Ion Ratio Lower Upper

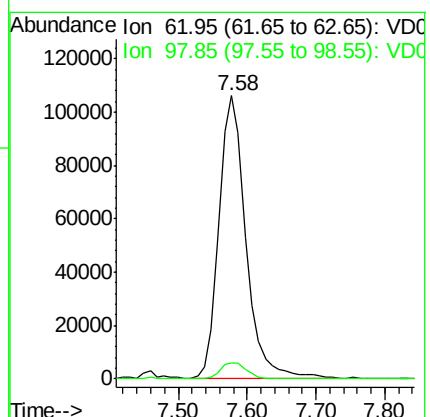
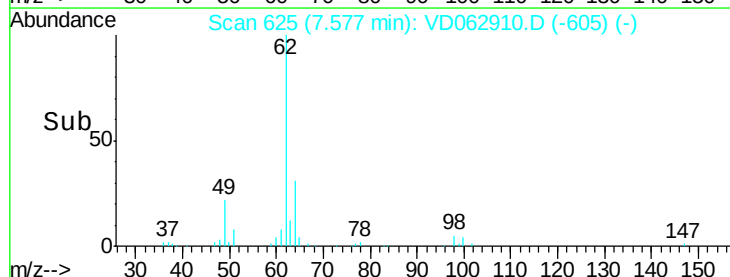
62 100

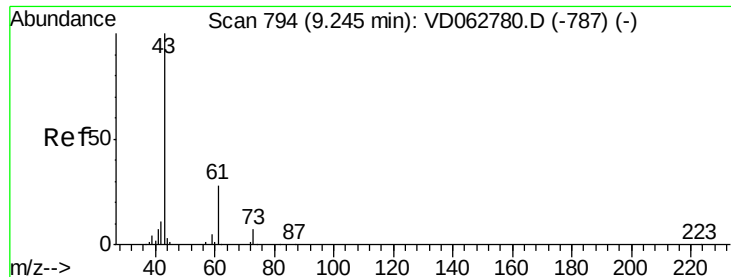
98 5.4 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.208 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

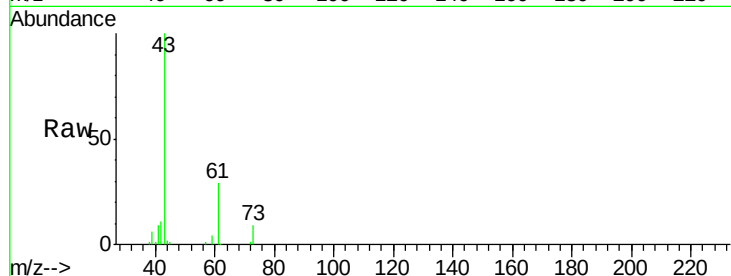
Tot Ion: 43 Resp: 157888

Ion Ratio Lower Upper

43 100

61 29.1 22.4 33.6

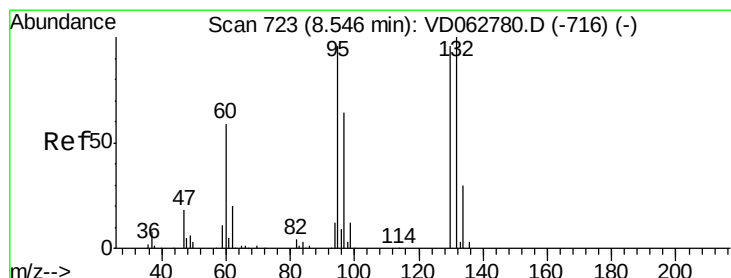
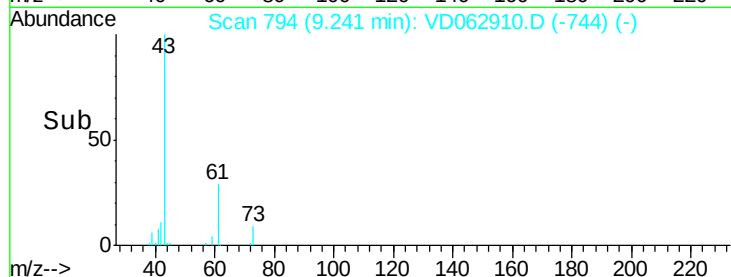
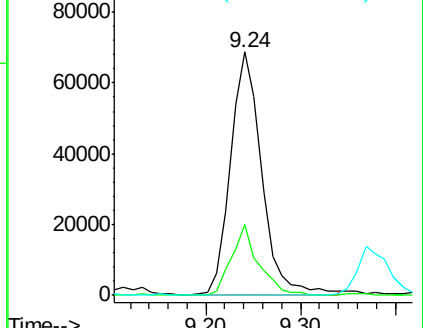
87 0.0 0.3 0.5#



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: 19.848 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062910.D

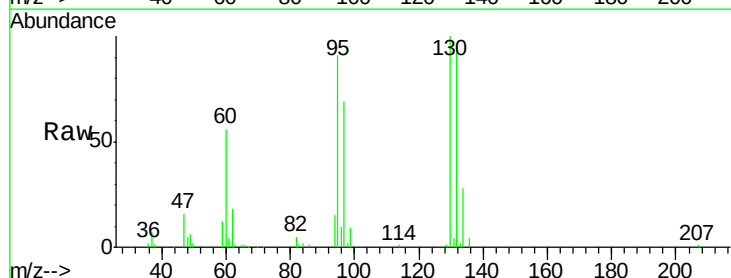
Acq: 26 Jun 2019 11:54

Tgt Ion:130 Resp: 202691

Ion Ratio Lower Upper

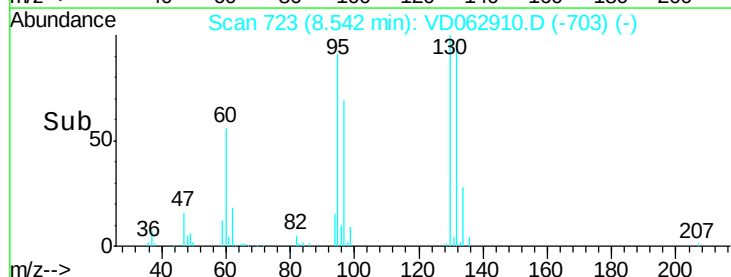
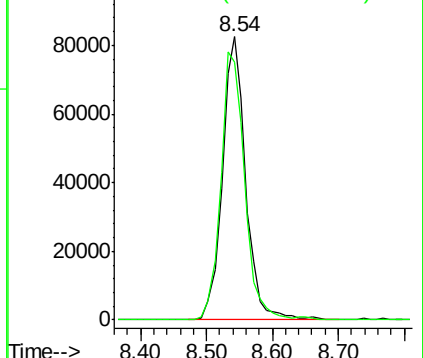
130 100

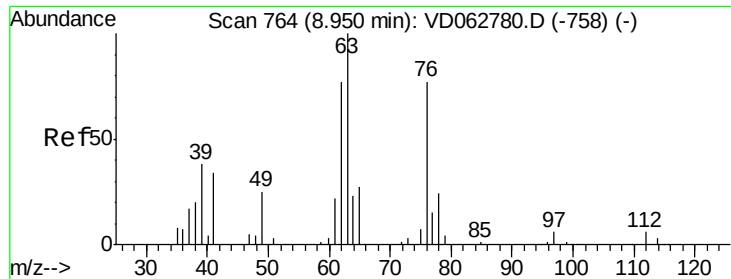
95 91.2 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.561 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

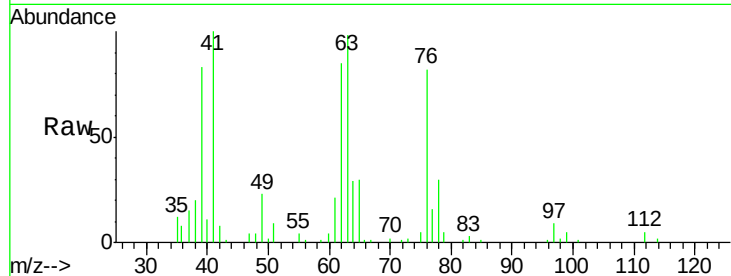
VD0626SBSD01

Tot Ion: 63 Resp: 126700

Ion Ratio Lower Upper

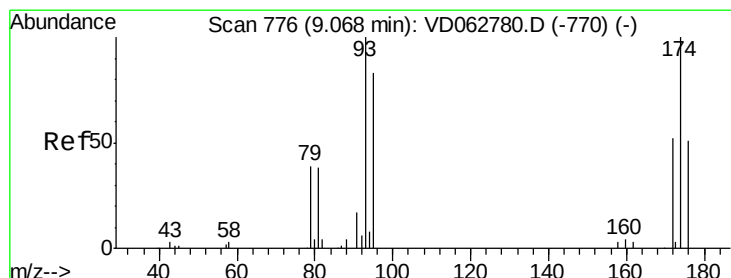
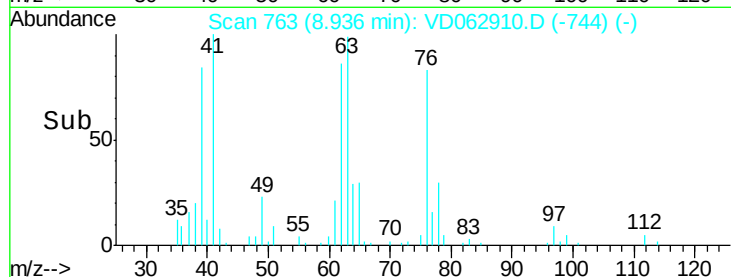
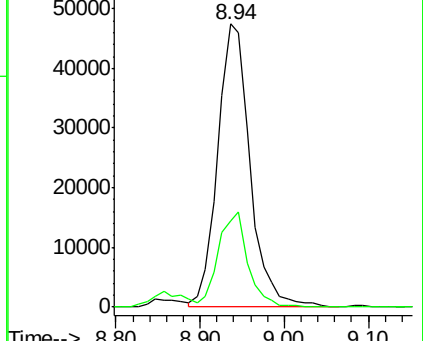
63 100

65 30.4 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: 20.813 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

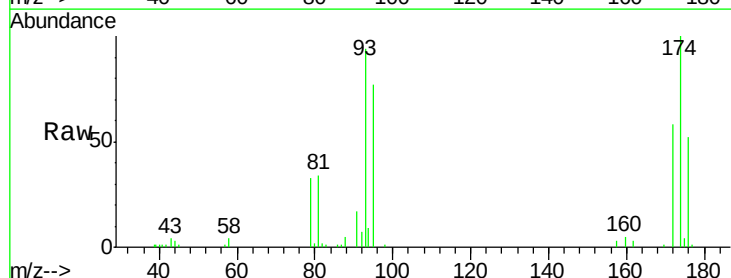
Tgt Ion: 93 Resp: 115801

Ion Ratio Lower Upper

93 100

95 81.1 66.6 100.0

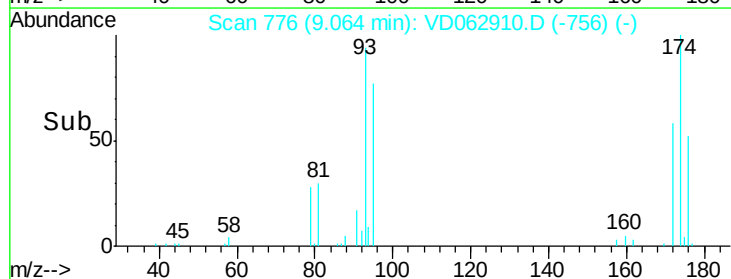
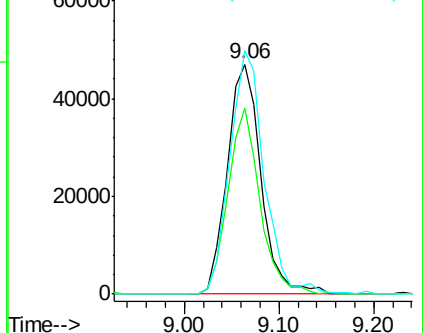
174 105.9 79.7 119.5

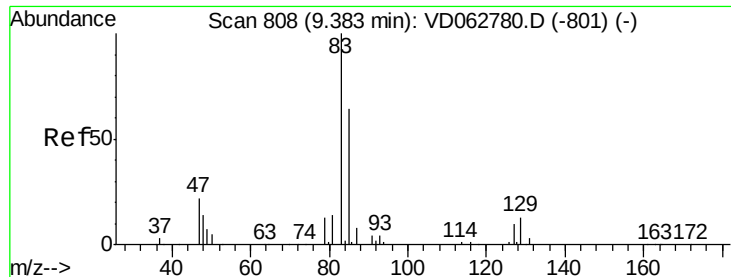


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.387 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

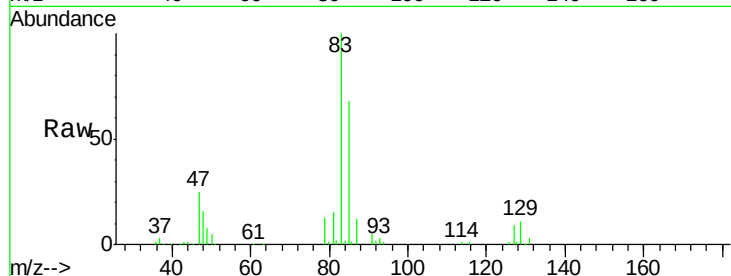
Tot Ion: 83 Resp: 280145

Ion Ratio Lower Upper

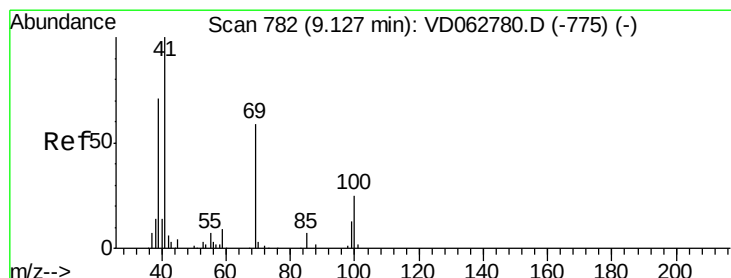
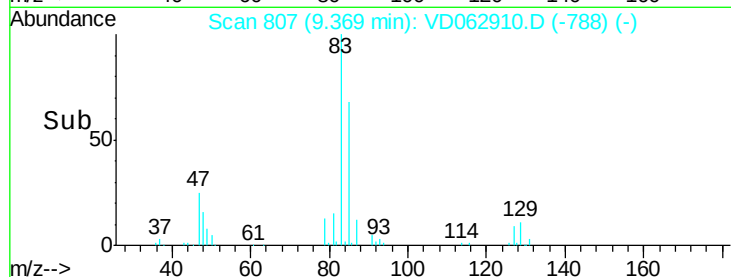
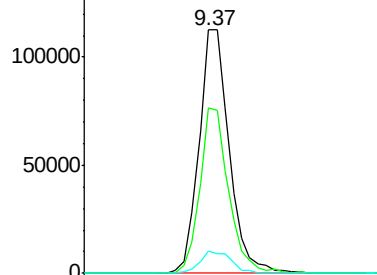
83 100

85 68.2 51.6 77.4

127 8.9 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): VDC



#48

Methyl methacrylate

Concen: 20.071 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

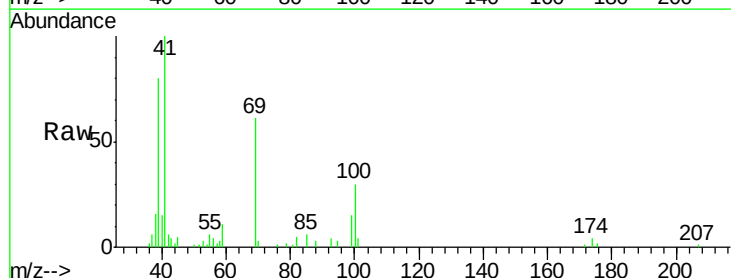
Tgt Ion: 41 Resp: 97034

Ion Ratio Lower Upper

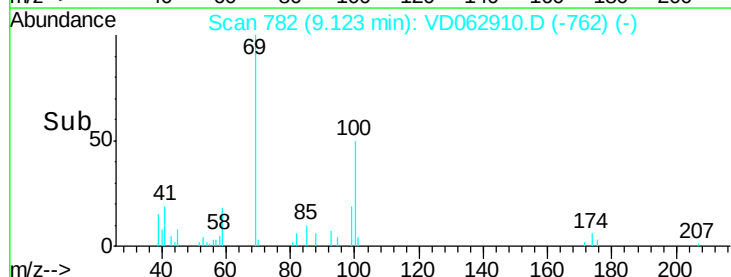
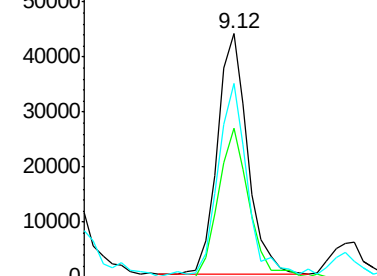
41 100

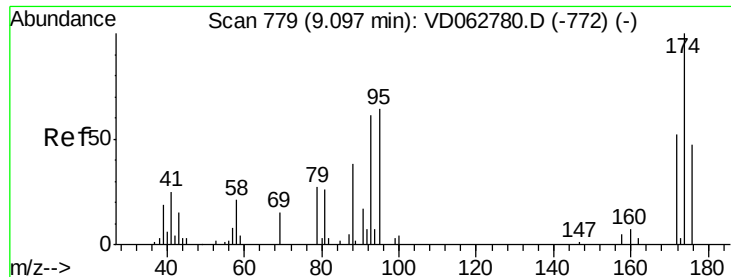
69 61.0 47.2 70.8

39 79.5 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

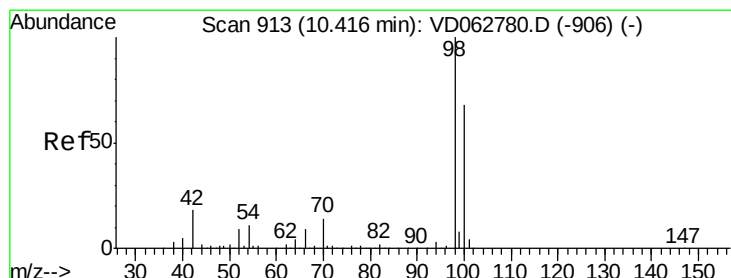
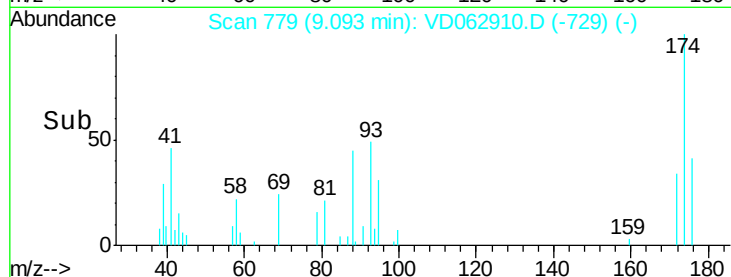
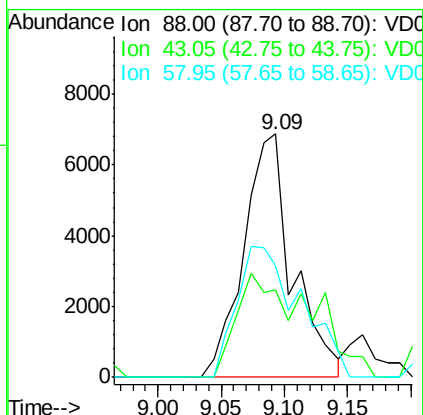
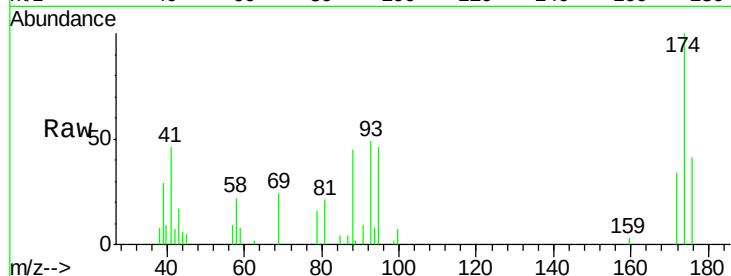




#49
1,4-Dioxane
Concen: 461.457 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

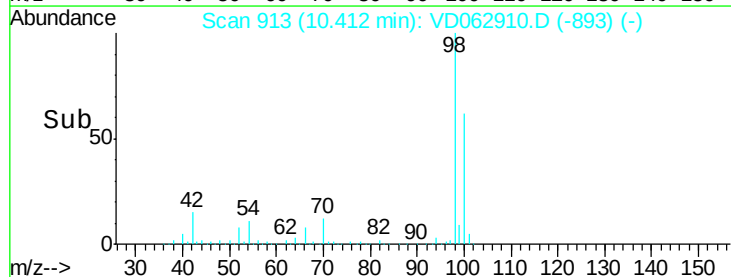
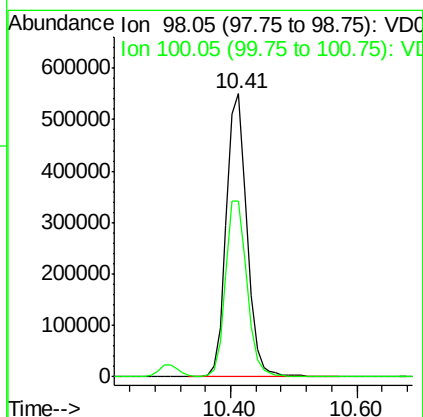
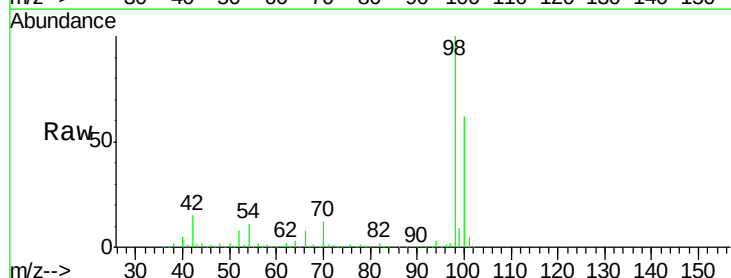
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

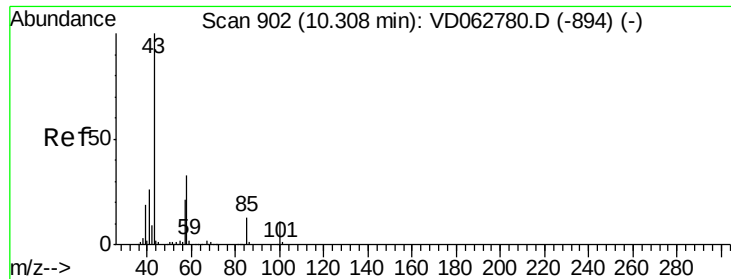
Tot Ion: 88 Resp: 18561
Ion Ratio Lower Upper
88 100
43 35.7 32.1 48.1
58 46.0 44.1 66.1



#50
Toluene-d8
Concen: 49.416 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion: 98 Resp: 1243160
Ion Ratio Lower Upper
98 100
100 62.0 54.7 82.1





#51

4-Methyl-2-Pentanone

Concen: 105.184 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

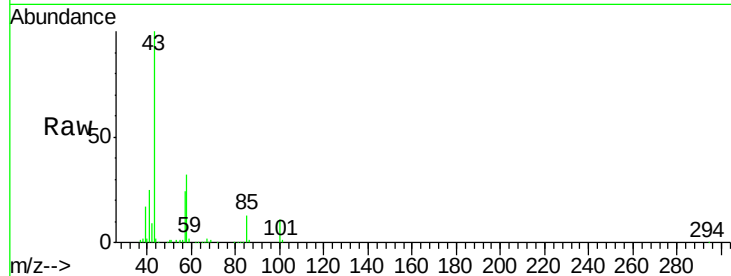
VD0626SBSD01

Tot Ion: 43 Resp: 507355

Ion Ratio Lower Upper

43 100

58 32.4 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

200000

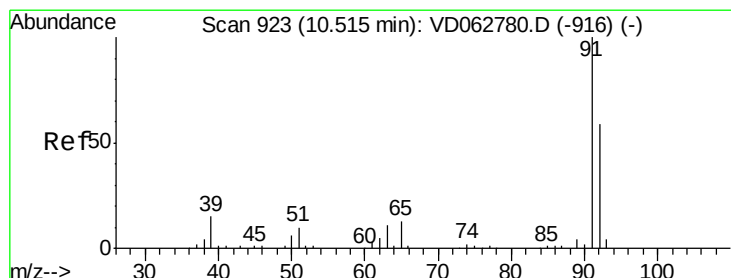
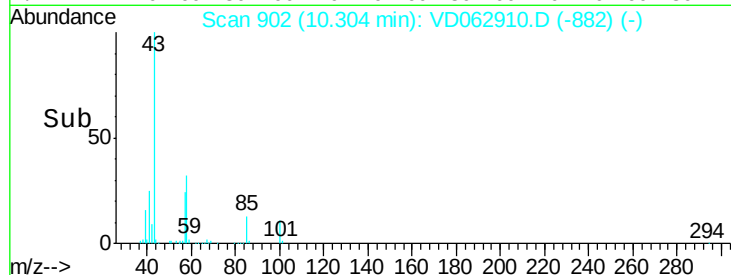
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.163 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062910.D

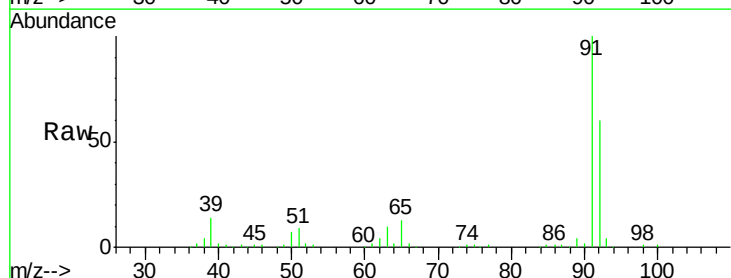
Acq: 26 Jun 2019 11:54

Tgt Ion: 92 Resp: 353056

Ion Ratio Lower Upper

92 100

91 166.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

300000

250000

200000

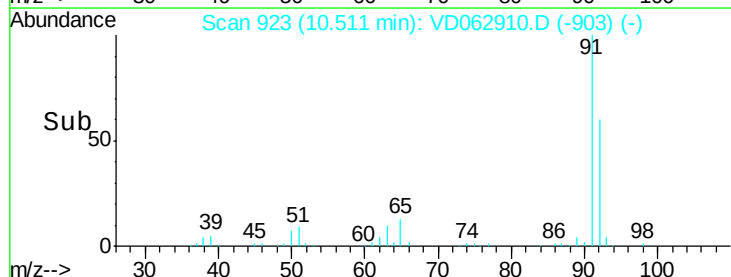
150000

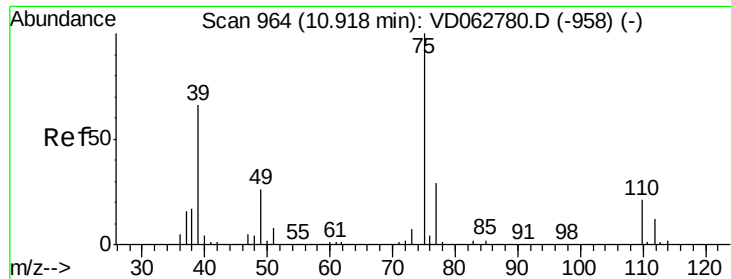
100000

50000

0

Time-->

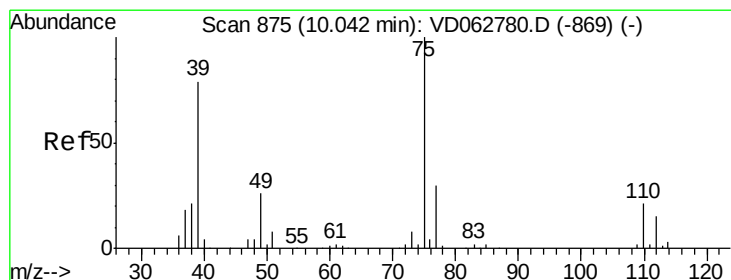
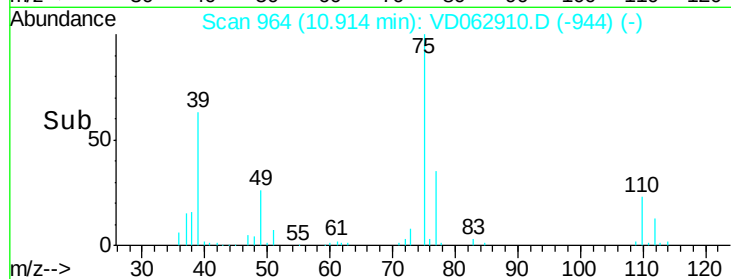
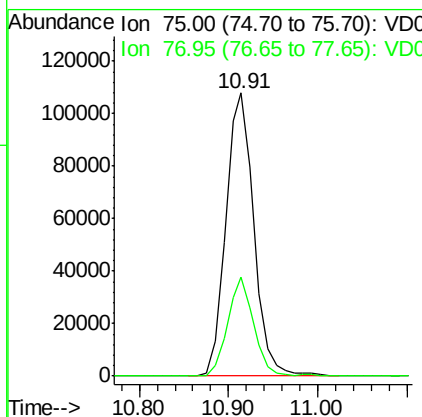
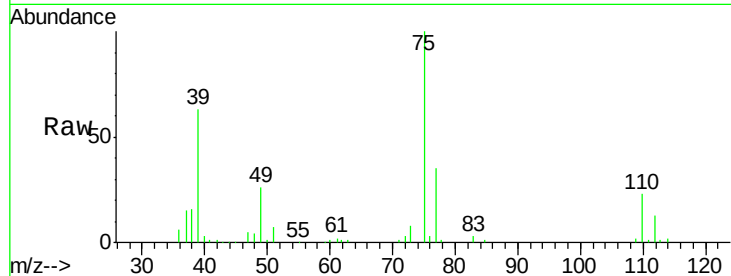




#53
 t-1,3-Dichloropropene
 Concen: 20.067 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

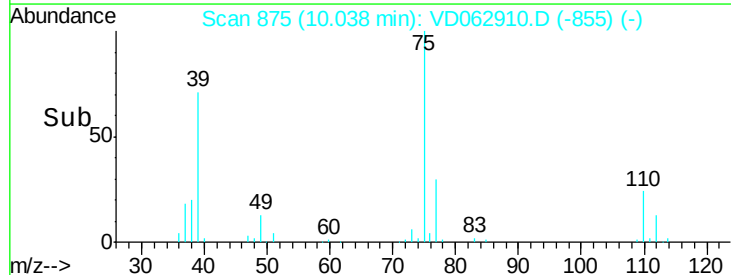
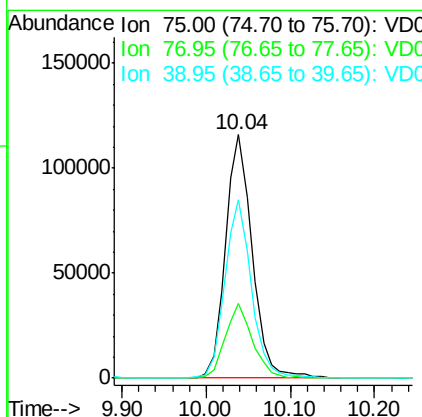
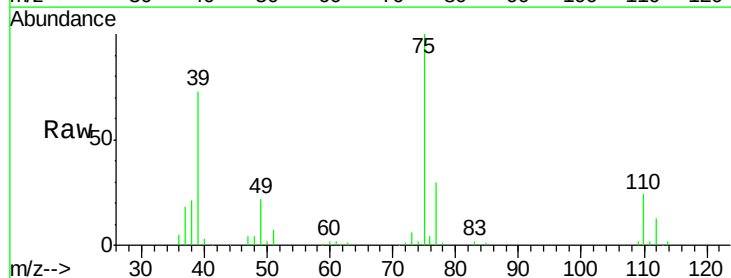
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

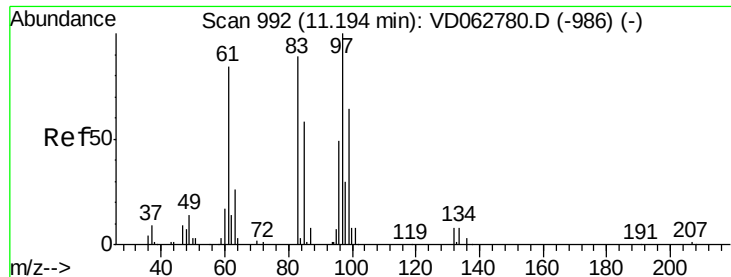
Tot Ion: 75 Resp: 237340
 Ion Ratio Lower Upper
 75 100
 77 34.8 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.791 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion: 75 Resp: 254421
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.2 36.2
 39 73.3 63.5 95.3

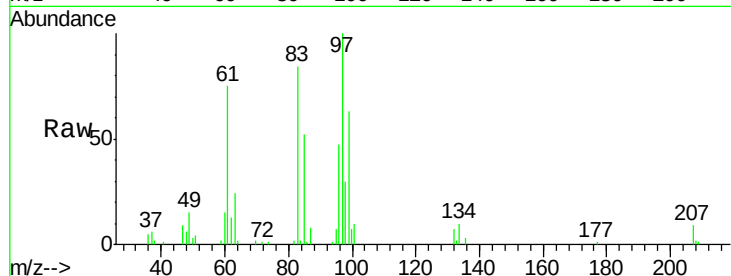




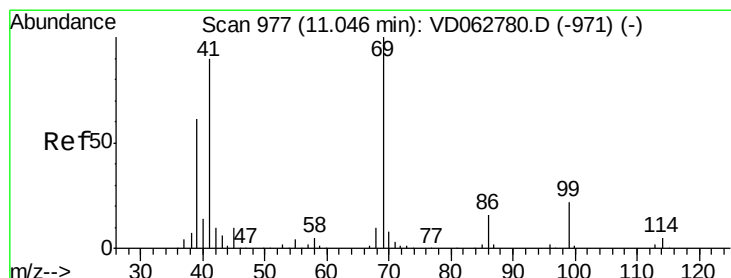
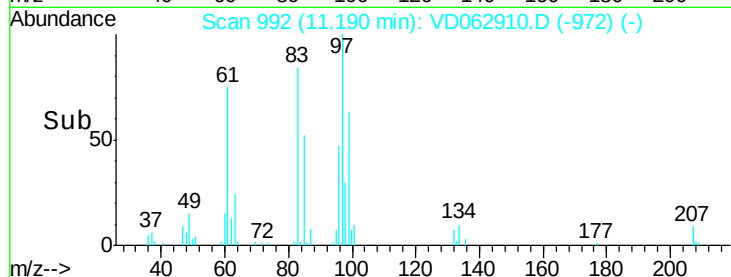
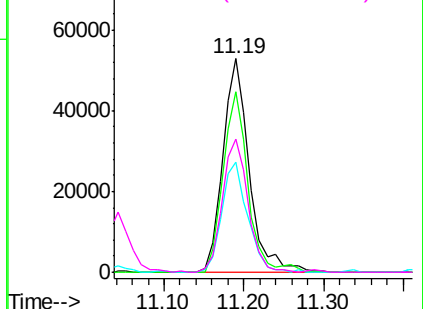
#55
 1,1,2-Trichloroethane
 Concen: 20.425 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

Tot Ion: 97 Resp: 122871
 Ion Ratio Lower Upper
 97 100
 83 84.2 71.0 106.4
 85 51.7 46.6 69.8
 99 62.5 51.4 77.0

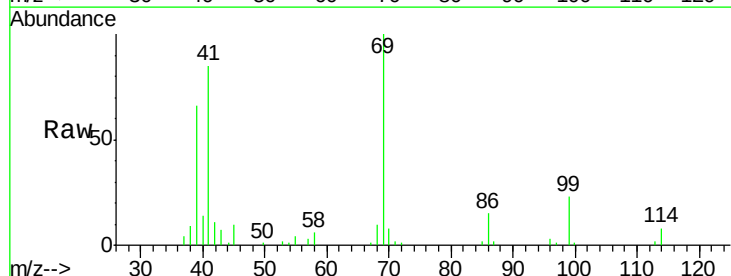


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

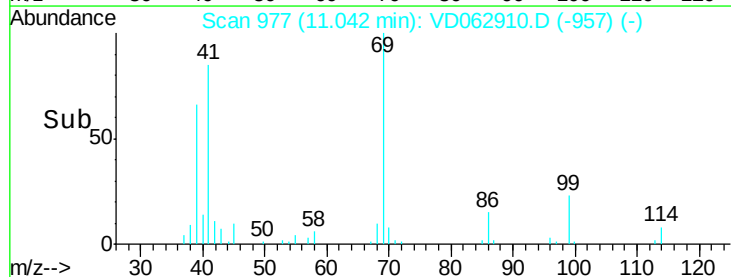
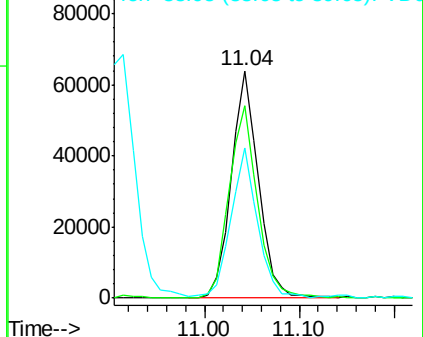


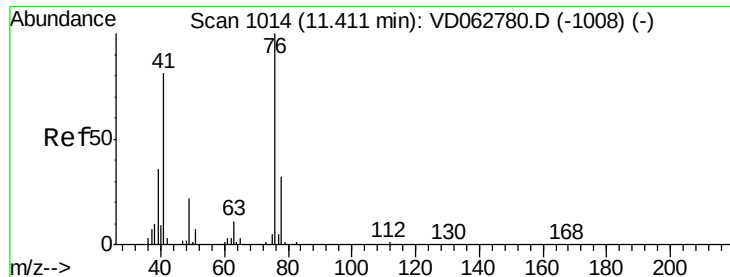
#56
 Ethyl methacrylate
 Concen: 19.683 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion: 69 Resp: 126542
 Ion Ratio Lower Upper
 69 100
 41 84.6 72.0 108.0
 39 66.1 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: 19.883 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

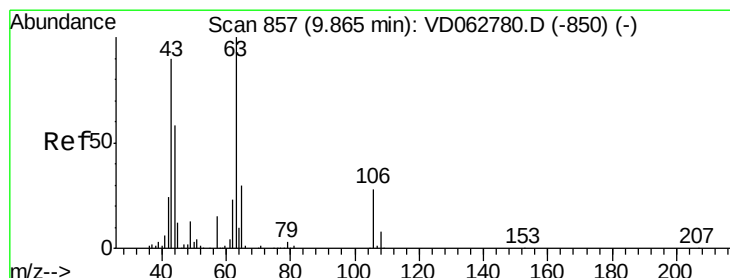
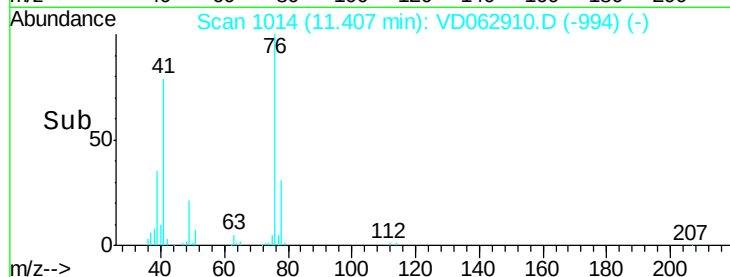
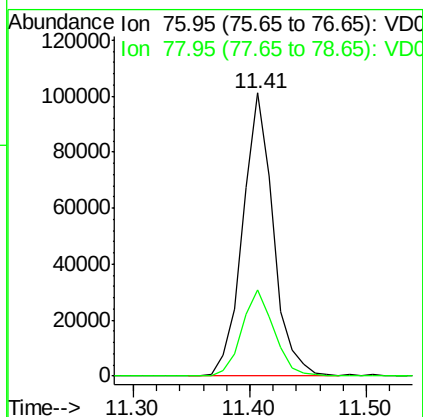
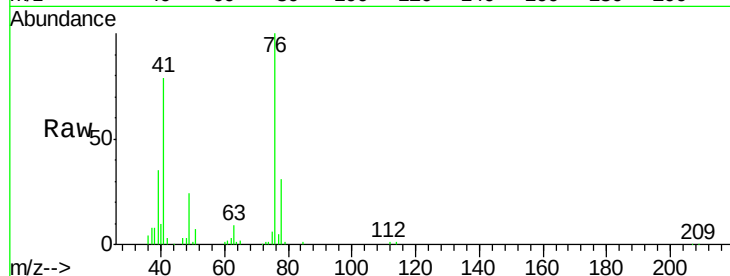
VD0626SBSD01

Tot Ion: 76 Resp: 183147

Ion Ratio Lower Upper

76 100

78 30.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 100.399 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD062910.D

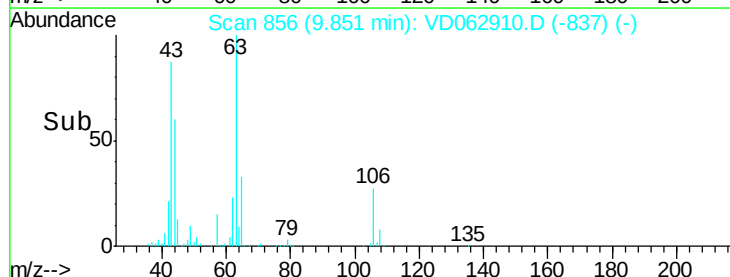
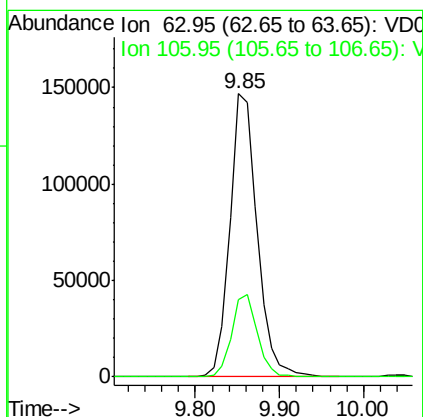
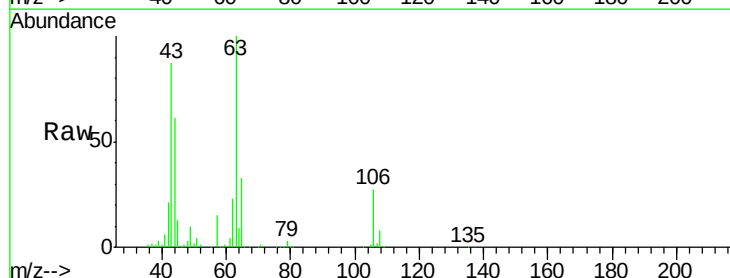
Acq: 26 Jun 2019 11:54

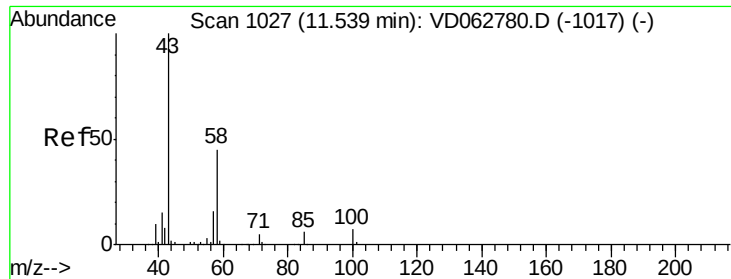
Tgt Ion: 63 Resp: 331369

Ion Ratio Lower Upper

63 100

106 27.1 22.1 33.1

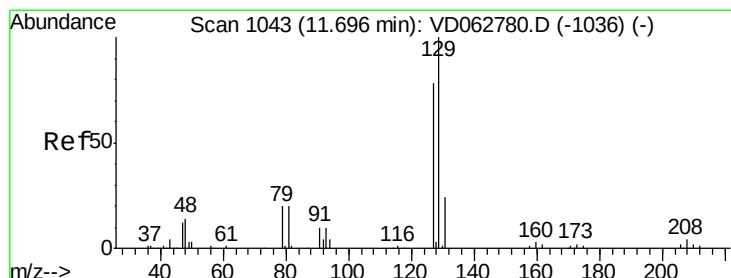
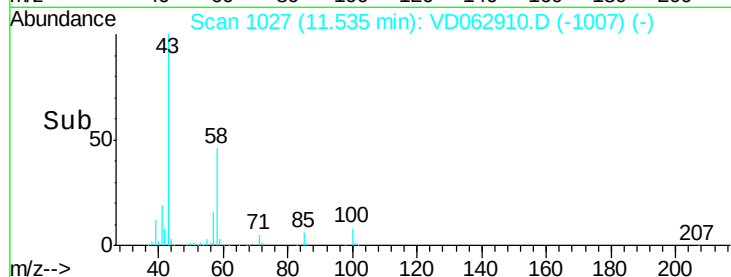
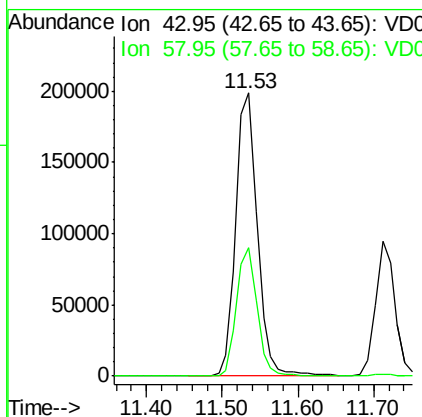
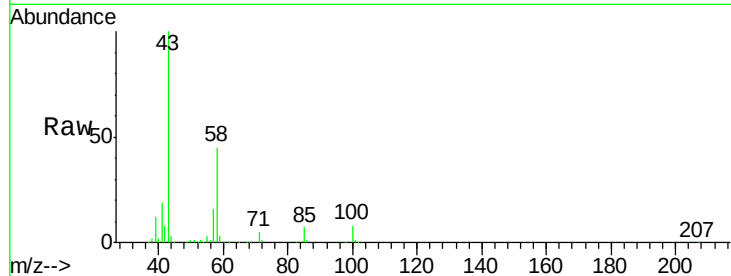




#59
2-Hexanone
Concen: 113.727 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

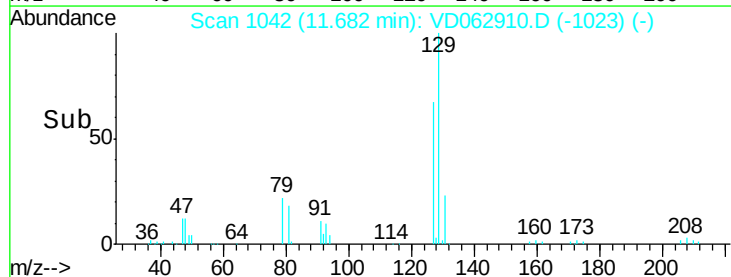
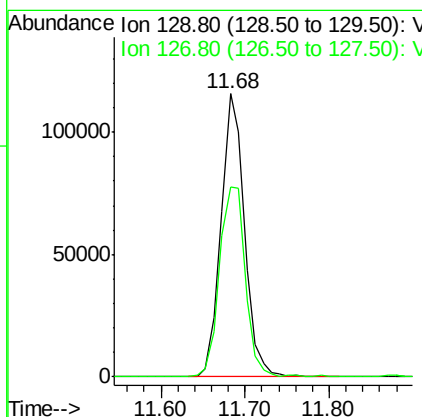
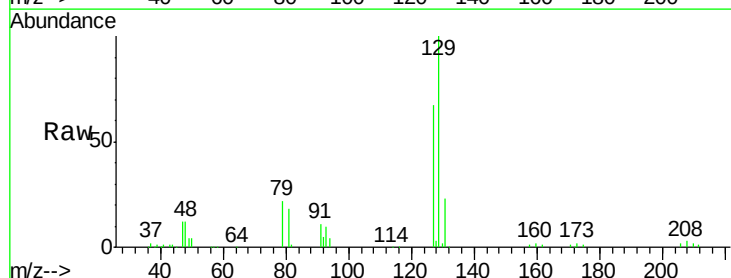
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

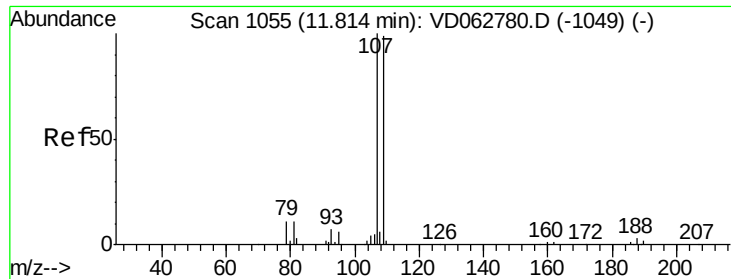
Tot Ion: 43 Resp: 390682
Ion Ratio Lower Upper
43 100
58 45.4 22.4 67.2



#60
Dibromochloromethane
Concen: 19.926 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion: 129 Resp: 223273
Ion Ratio Lower Upper
129 100
127 67.3 38.9 116.6

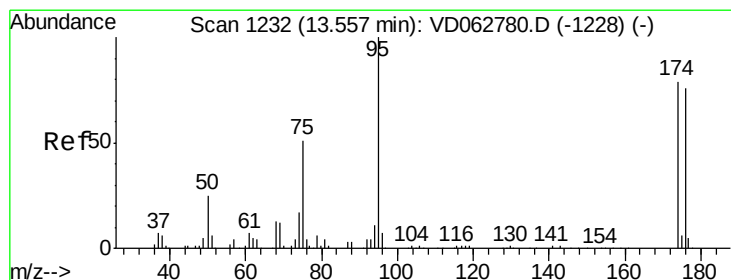
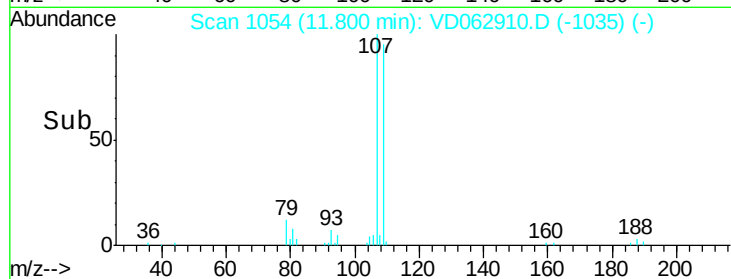
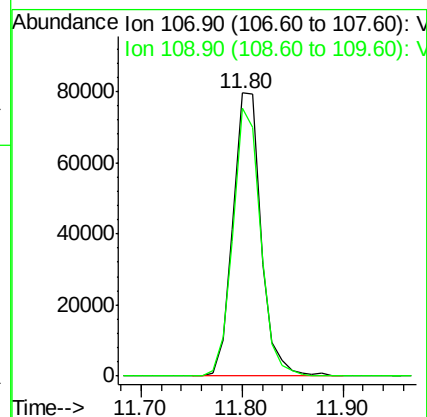
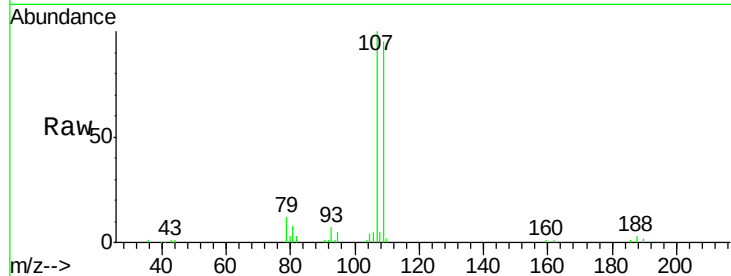




#61
 1,2-Dibromoethane
 Concen: 21.639 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

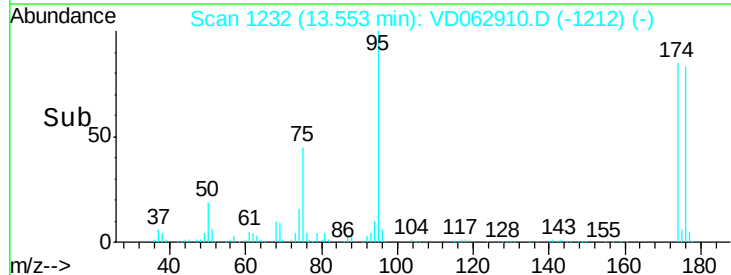
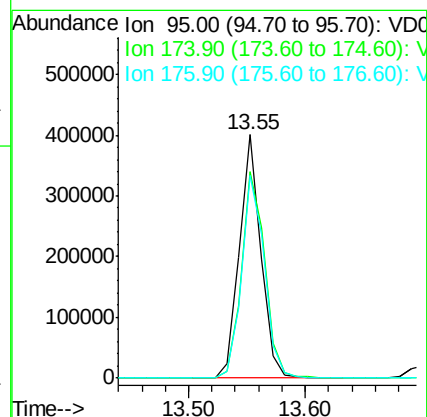
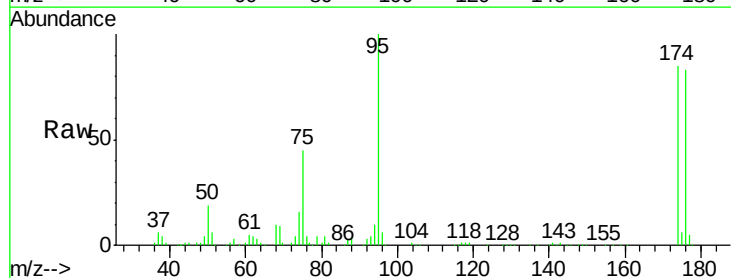
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

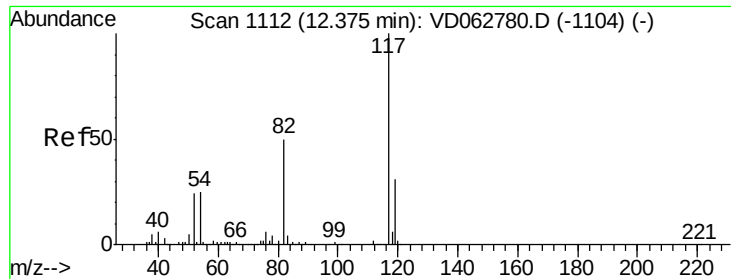
Tot Ion:107 Resp: 153743
 Ion Ratio Lower Upper
 107 100
 109 94.8 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 44.762 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion: 95 Resp: 512045
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 158.0
 176 83.2 0.0 151.6

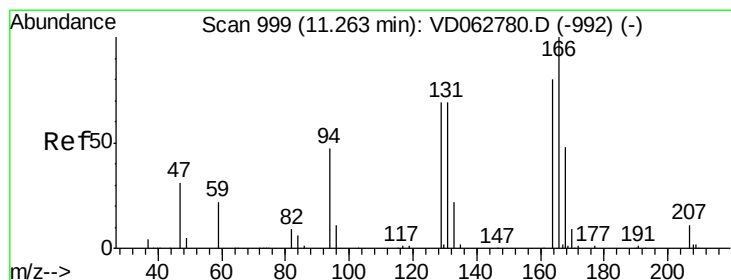
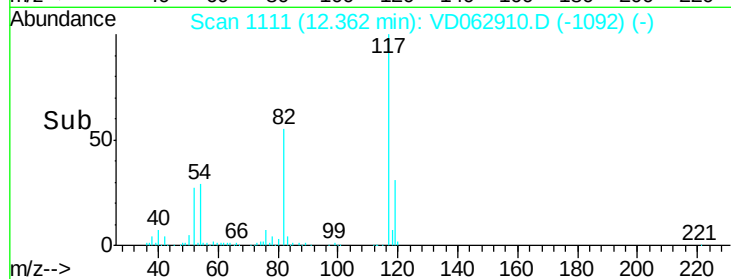
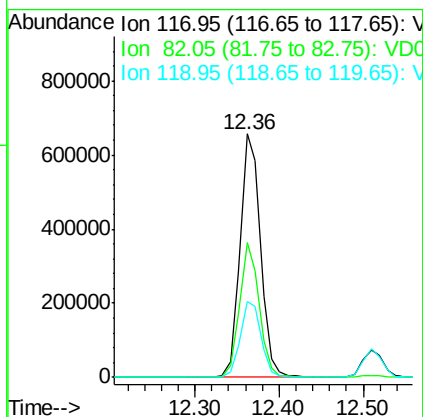
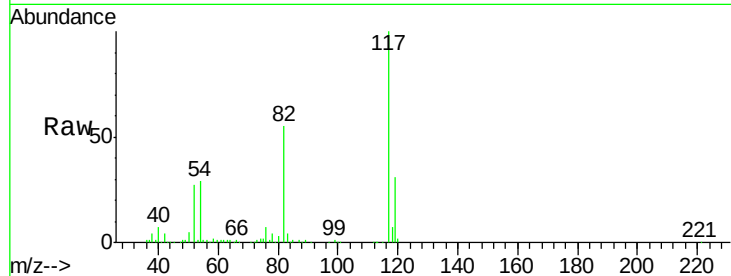




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

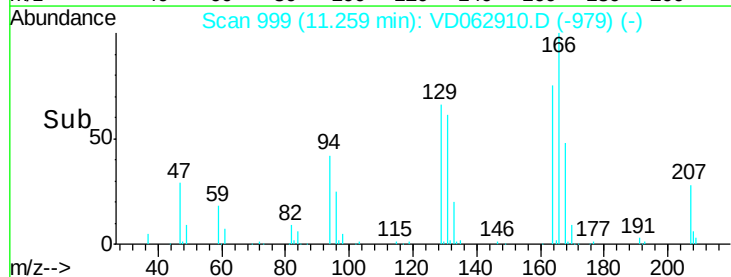
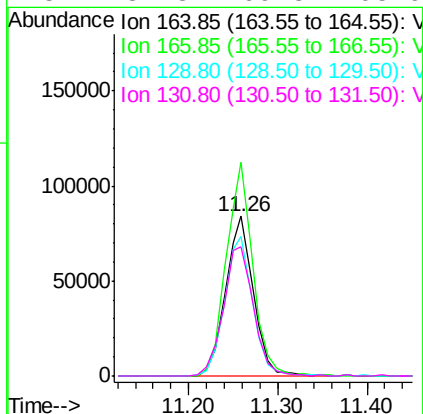
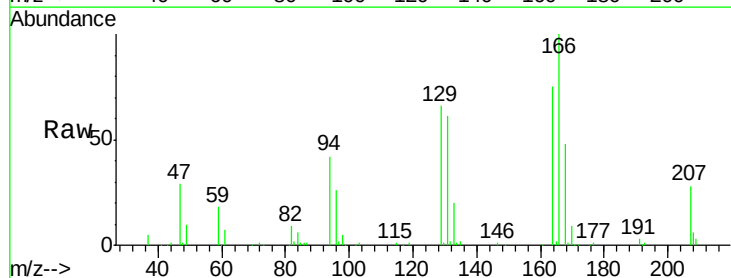
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

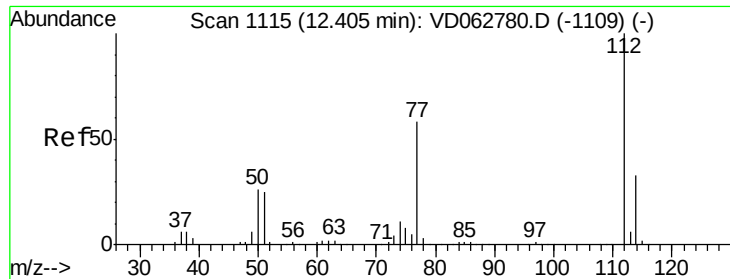
Tot Ion:117 Resp: 1106939
Ion Ratio Lower Upper
117 100
82 55.4 40.4 60.6
119 31.1 25.2 37.8



#64
Tetrachloroethene
Concen: 20.147 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion:164 Resp: 183545
Ion Ratio Lower Upper
164 100
166 133.8 100.6 150.8
129 87.8 69.4 104.0
131 81.3 69.3 103.9

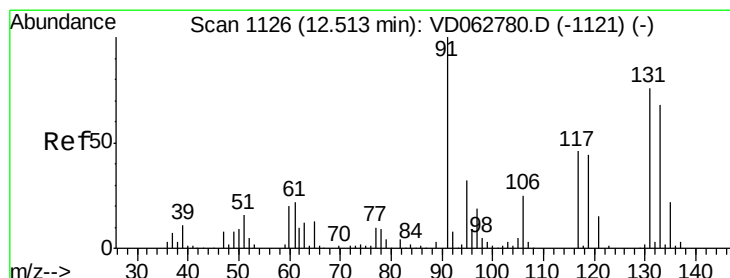
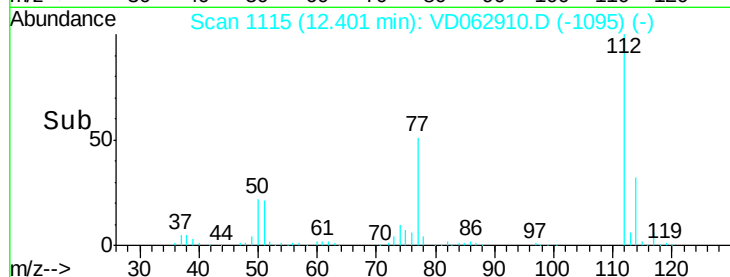
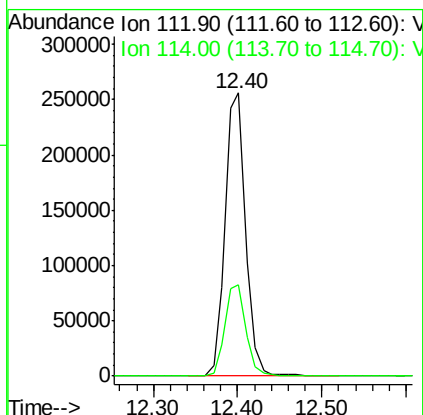
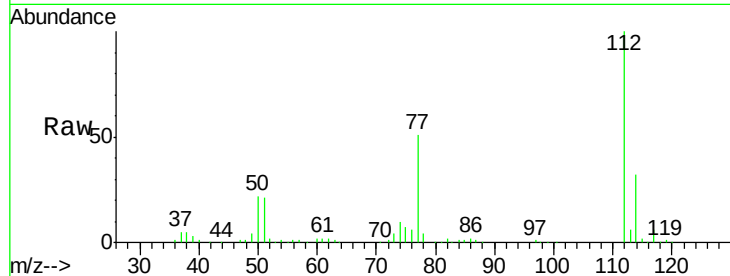




#65
Chlorobenzene
Concen: 21.009 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

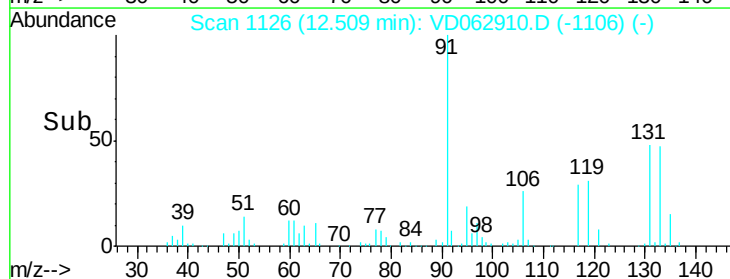
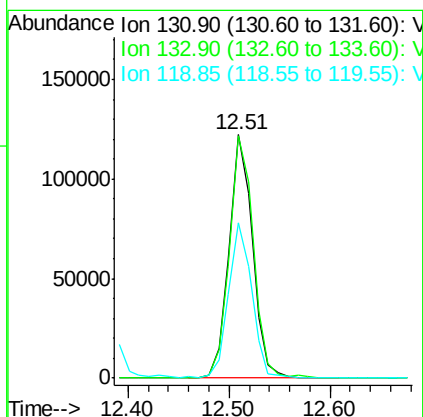
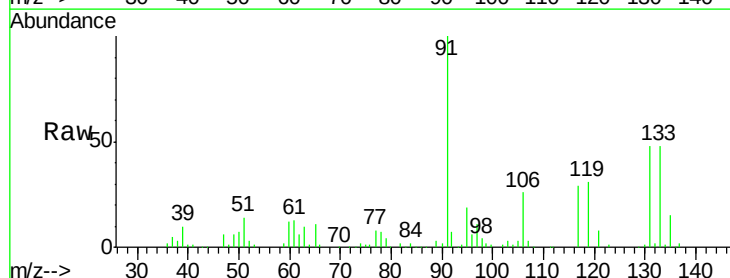
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

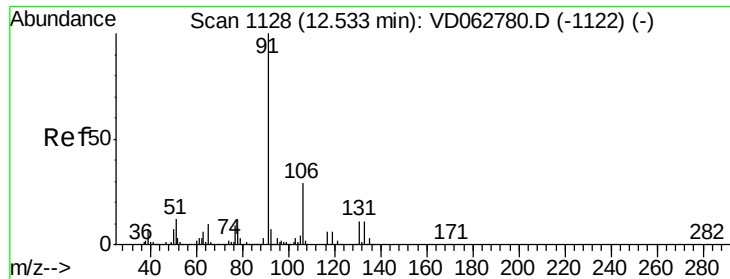
Tot Ion:112 Resp: 431608
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.466 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion:131 Resp: 196625
Ion Ratio Lower Upper
131 100
133 99.4 44.5 133.3
119 63.6 28.6 85.9

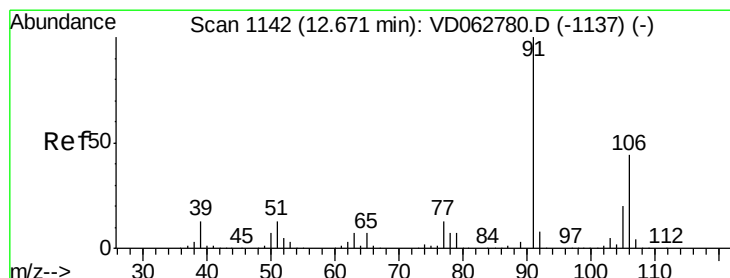
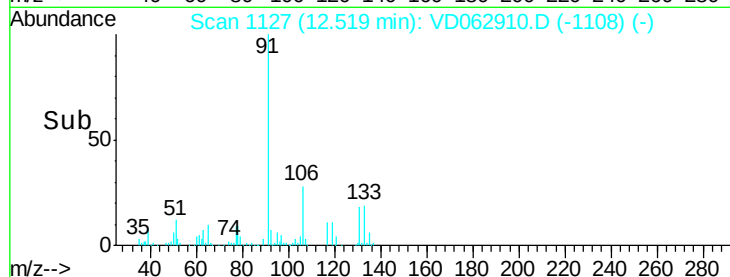
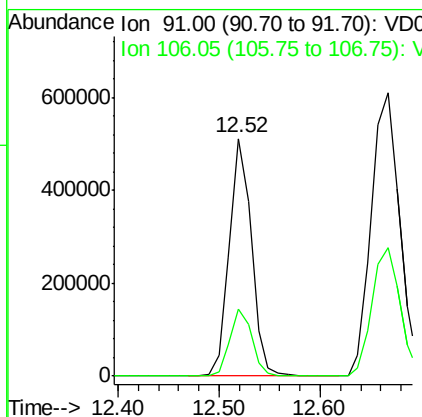
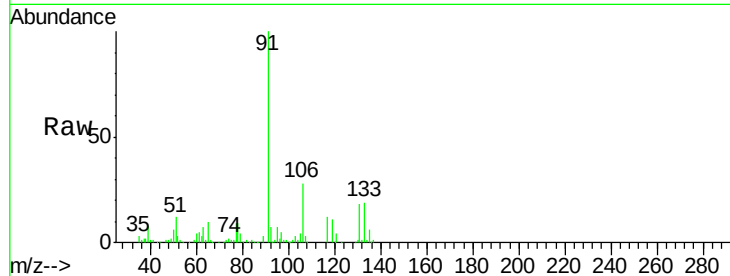




#67
Ethyl Benzene
Concen: 21.105 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

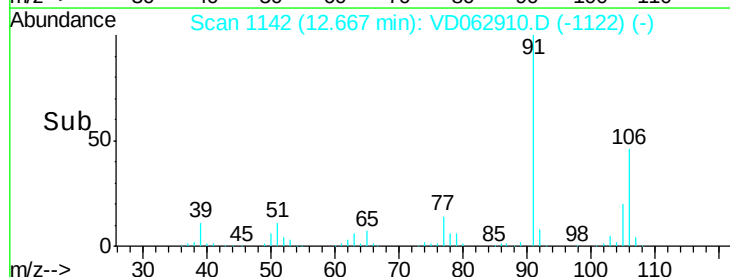
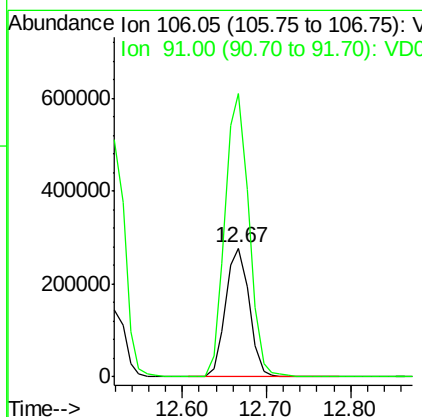
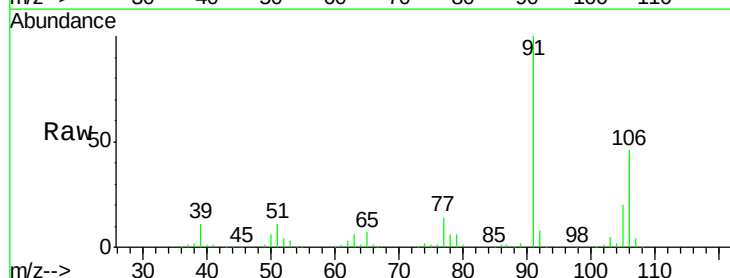
Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

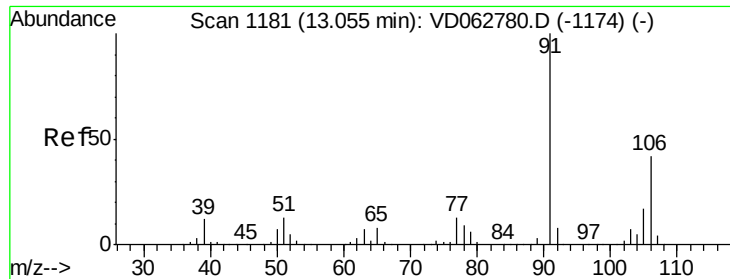
Tot Ion: 91 Resp: 778437
Ion Ratio Lower Upper
91 100
106 28.1 23.1 34.7



#68
m/p-Xylenes
Concen: 42.239 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion: 106 Resp: 542616
Ion Ratio Lower Upper
106 100
91 219.7 183.0 274.6

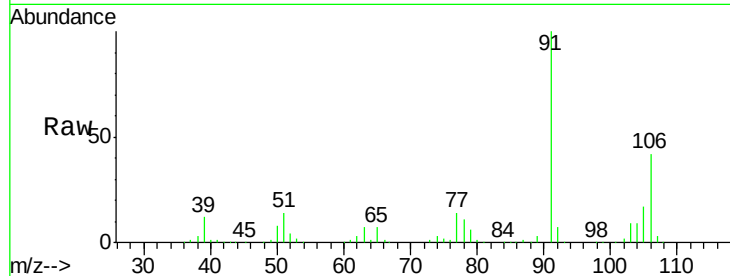




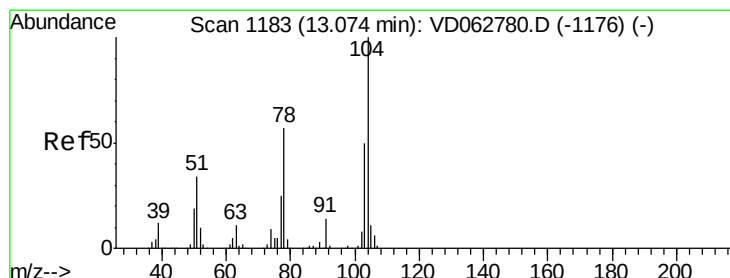
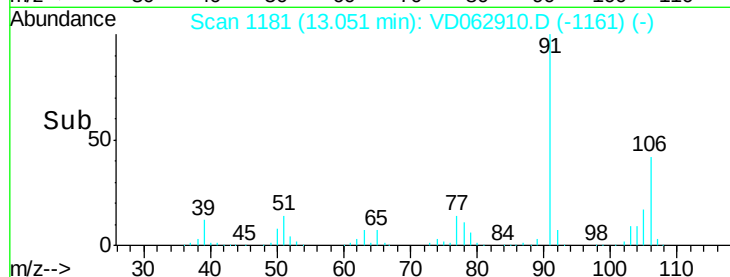
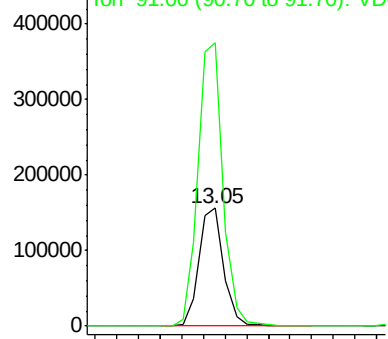
#69
o-Xylene
Concen: 21.210 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD0626SBSD01

Tot Ion:106 Resp: 249084
Ion Ratio Lower Upper
106 100
91 240.5 117.9 353.6

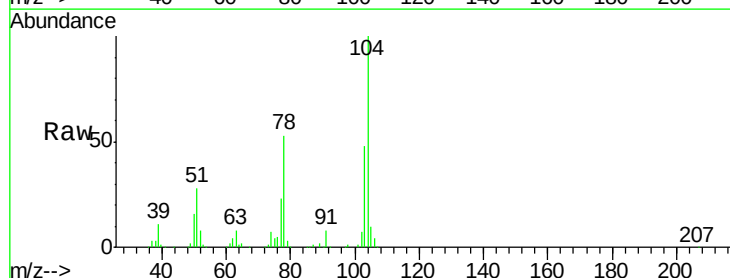


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

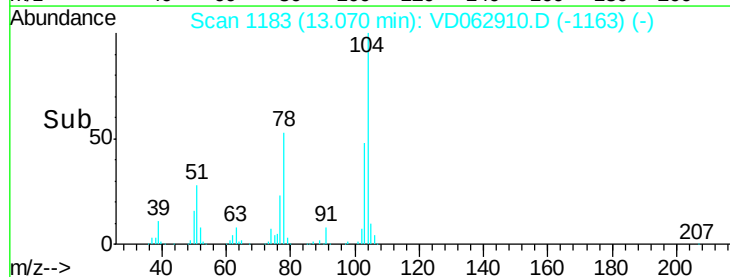
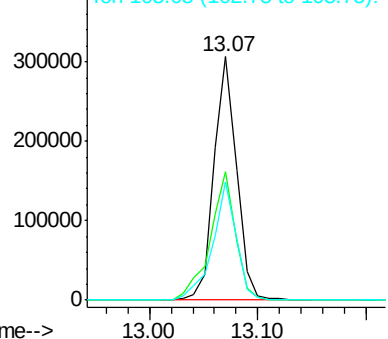


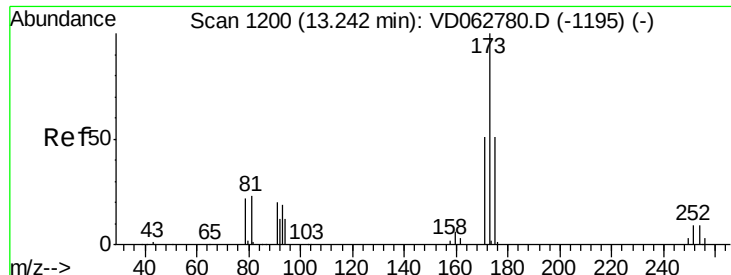
#70
Styrene
Concen: 21.587 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062910.D
Acq: 26 Jun 2019 11:54

Tgt Ion:104 Resp: 445271
Ion Ratio Lower Upper
104 100
78 53.0 45.4 68.2
103 48.5 39.7 59.5



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





#71

Bromoform

Concen: 21.849 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBS01

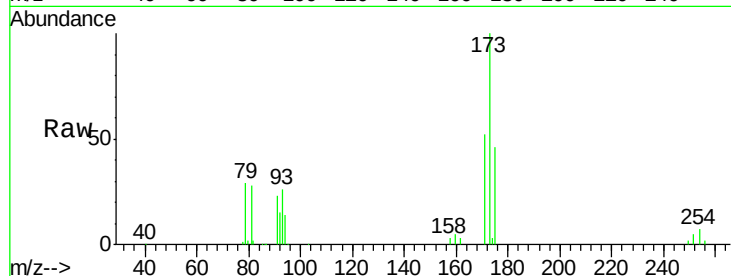
Tot Ion:173 Resp: 143822

Ion Ratio Lower Upper

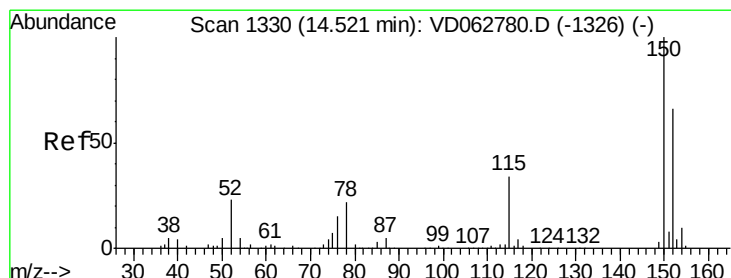
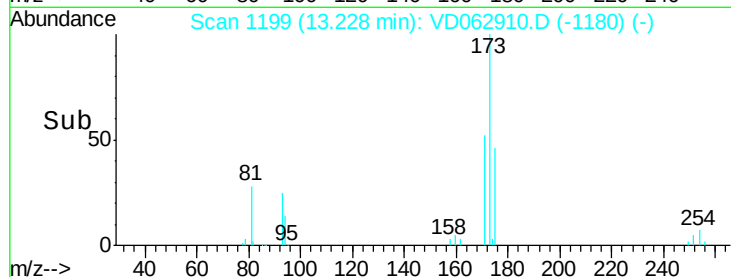
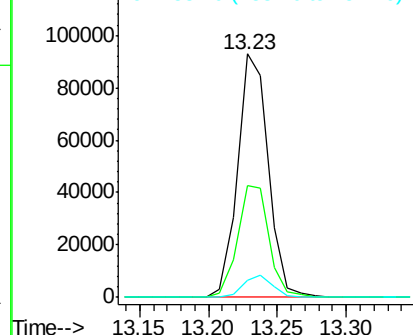
173 100

175 46.1 25.3 75.9

254 6.8 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: VD062910.D

Acq: 26 Jun 2019 11:54

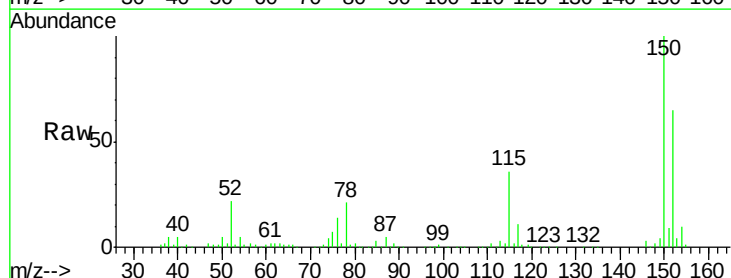
Tgt Ion:152 Resp: 637843

Ion Ratio Lower Upper

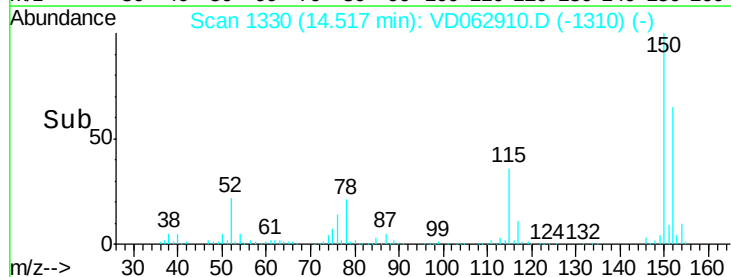
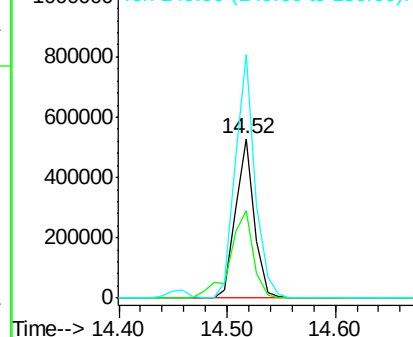
152 100

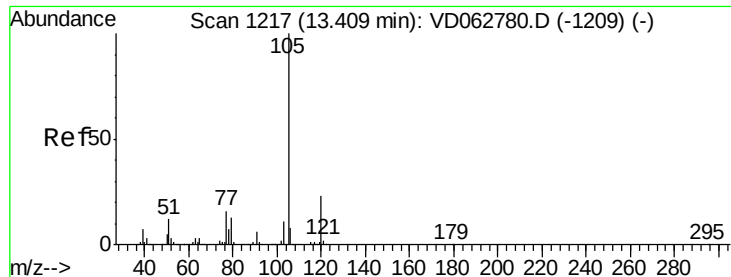
115 55.1 29.2 87.6

150 152.8 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: 20.081 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

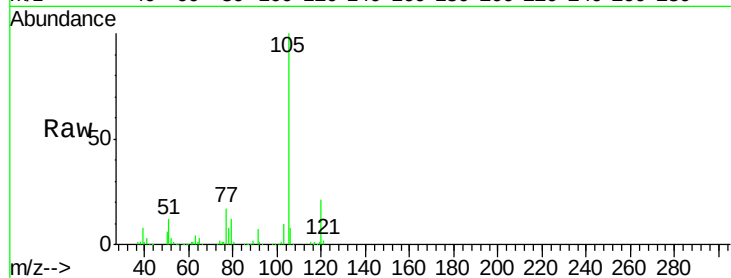
VD0626SBS01

Tot Ion:105 Resp: 821272

Ion Ratio Lower Upper

105 100

120 20.6 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

200000

100000

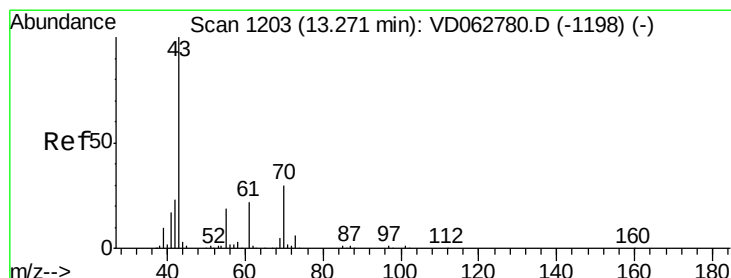
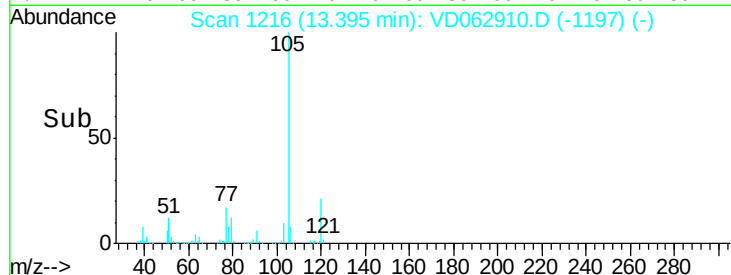
0

13.40

13.30

13.50

Time-->



#74

N-ethyl acetate

Concen: 21.362 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Tgt Ion: 43 Resp: 212165

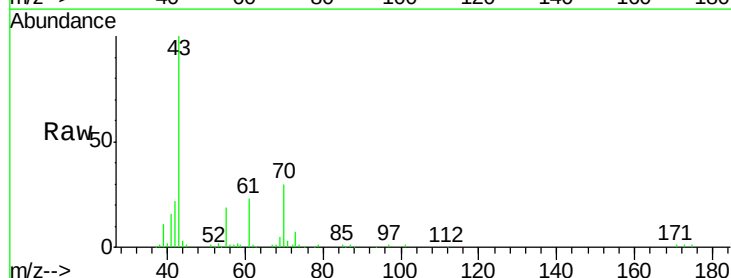
Ion Ratio Lower Upper

43 100

70 29.6 24.4 36.6

55 19.0 15.2 22.8

61 23.1 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

200000

150000

100000

50000

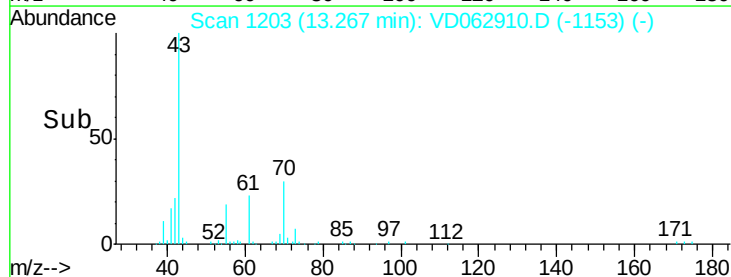
0

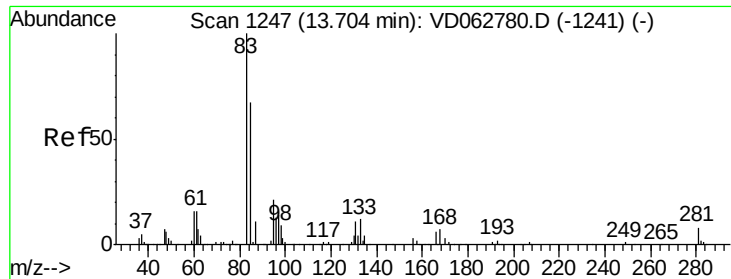
13.27

13.20

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.620 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

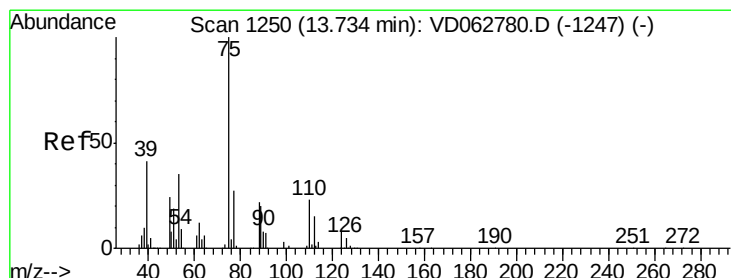
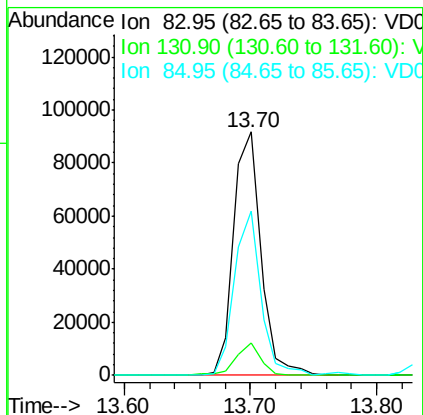
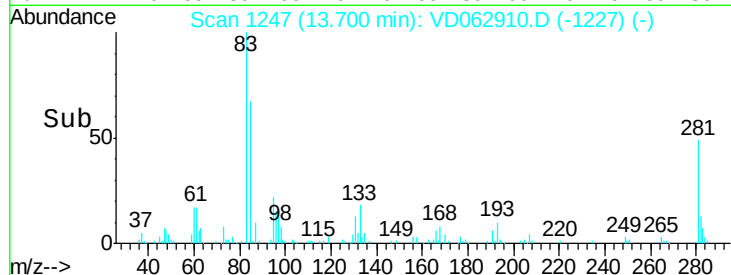
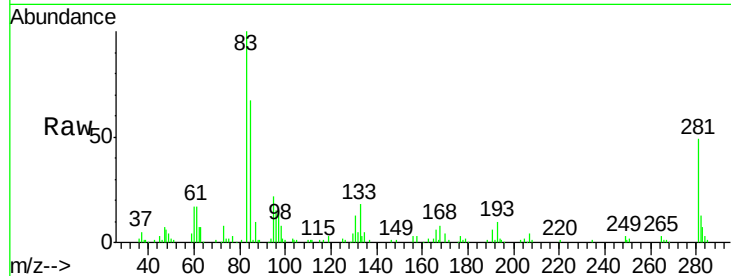
Tot Ion: 83 Resp: 137404

Ion Ratio Lower Upper

83 100

131 13.5 5.3 16.1

85 67.4 33.7 101.1



#76

1,2,3-Trichloropropane

Concen: 20.229 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062910.D

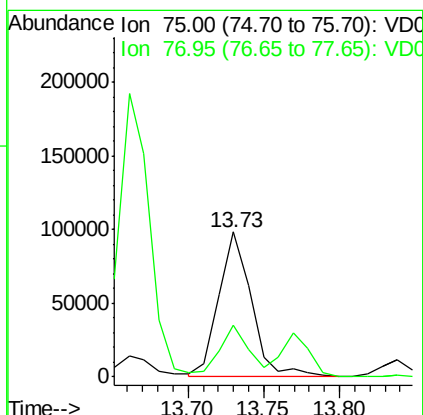
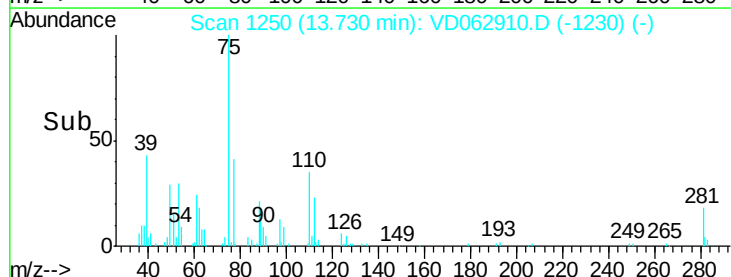
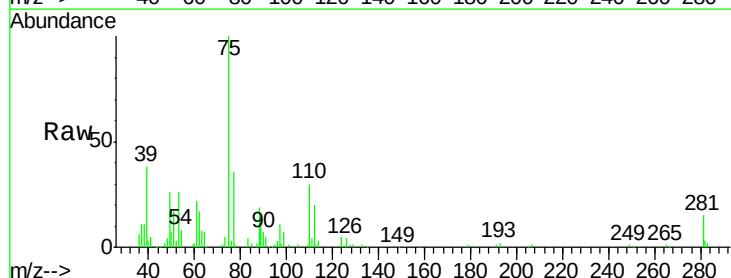
Acq: 26 Jun 2019 11:54

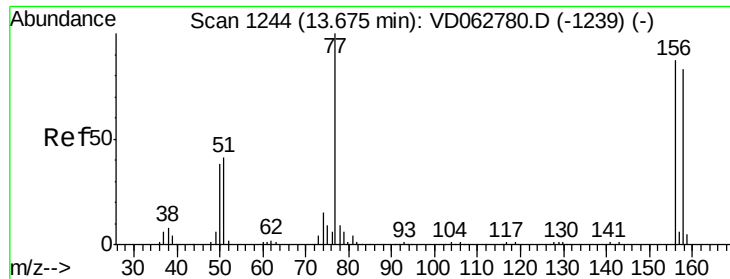
Tgt Ion: 75 Resp: 148956

Ion Ratio Lower Upper

75 100

77 35.7 15.0 45.1





#77

Bromobenzene

Concen: 19.694 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

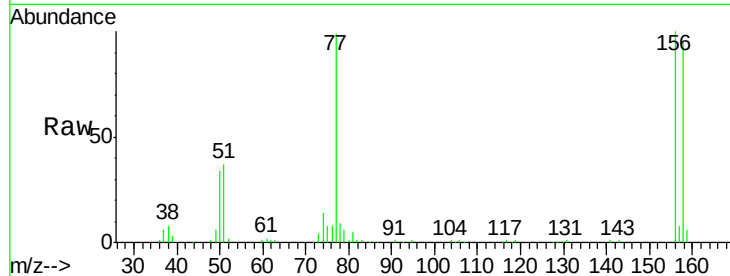
Tot Ion:156 Resp: 216641

Ion Ratio Lower Upper

156 100

77 99.0 57.7 173.1

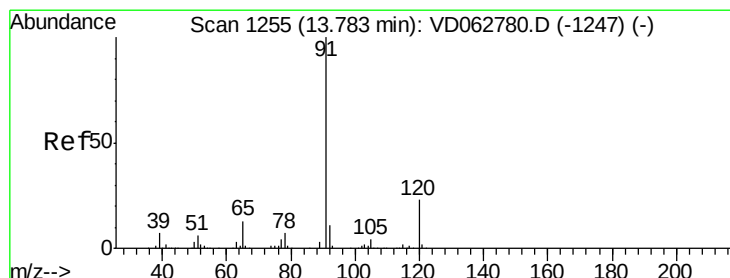
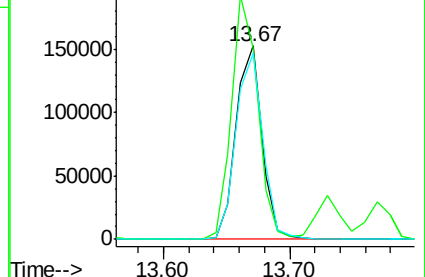
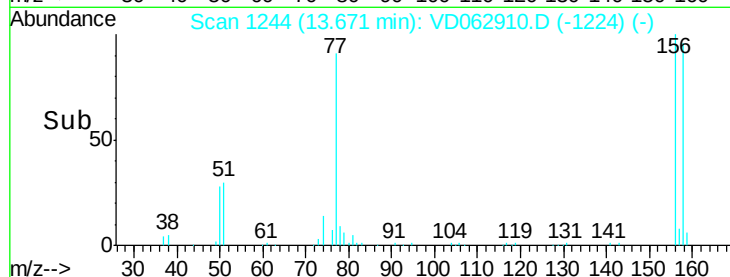
158 96.0 47.7 143.1



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: 19.487 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062910.D

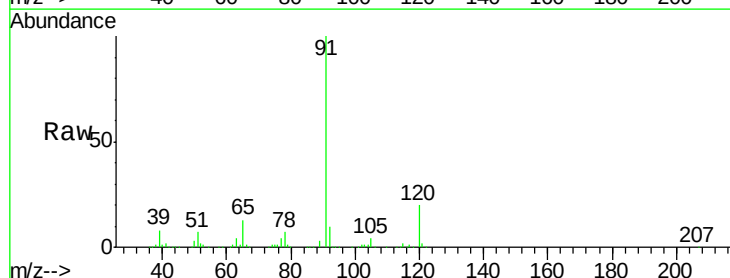
Acq: 26 Jun 2019 11:54

Tgt Ion: 91 Resp: 927589

Ion Ratio Lower Upper

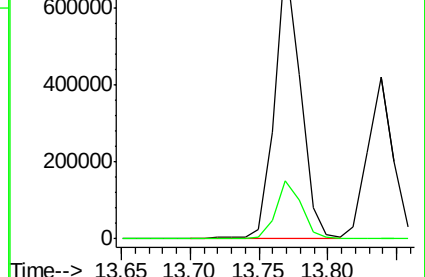
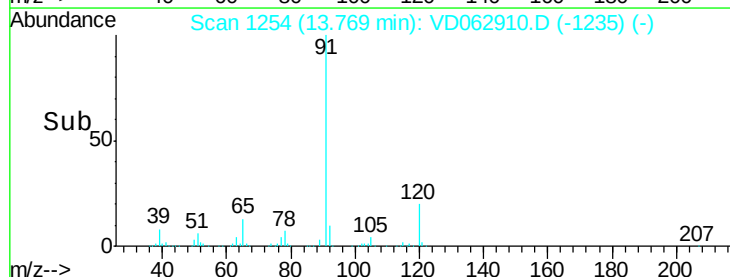
91 100

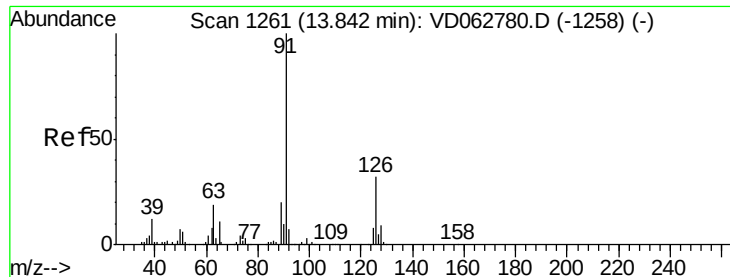
120 20.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.840 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

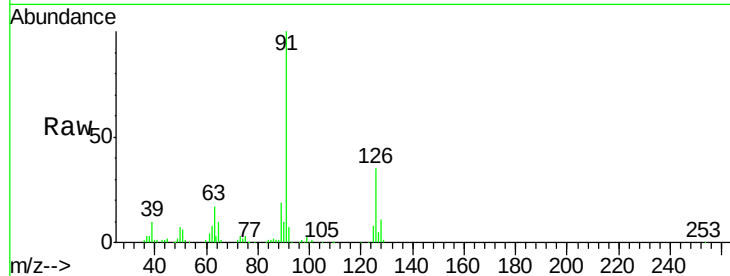
VD0626SBSD01

Tot Ion: 91 Resp: 539692

Ion Ratio Lower Upper

91 100

126 35.2 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

800000

600000

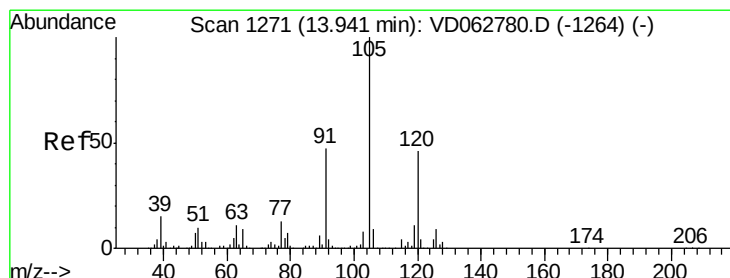
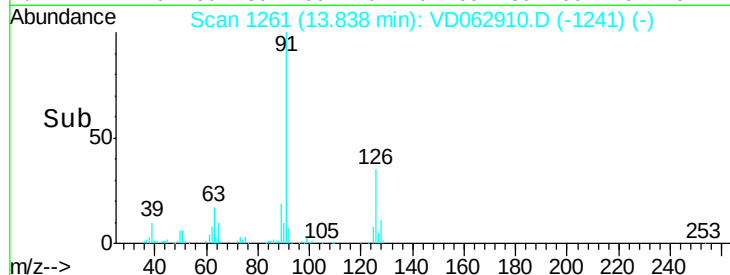
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.960 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062910.D

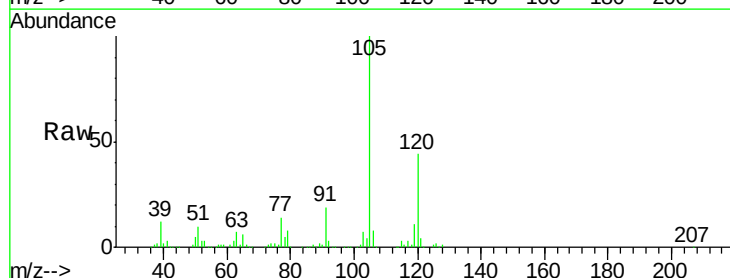
Acq: 26 Jun 2019 11:54

Tgt Ion: 105 Resp: 720033

Ion Ratio Lower Upper

105 100

120 44.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062910.D (-1251) (-)

Ion 120.05 (119.75 to 120.75): VD062910.D (-1251) (-)

600000

500000

400000

300000

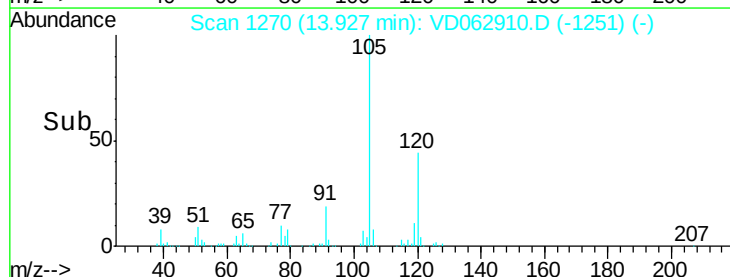
200000

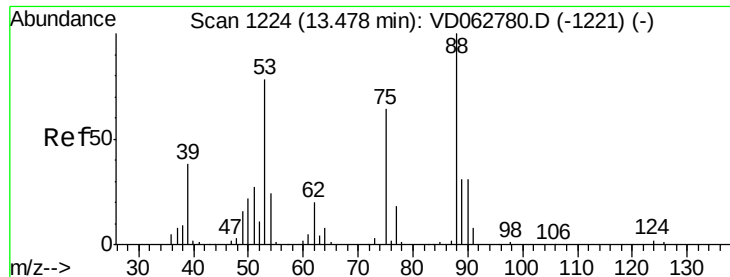
100000

0

13.80 13.90 14.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.361 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

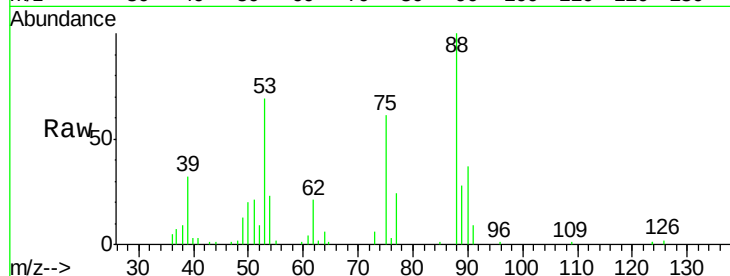
Tot Ion: 75 Resp: 37364

Ion Ratio Lower Upper

75 100

53 112.3 97.8 146.8

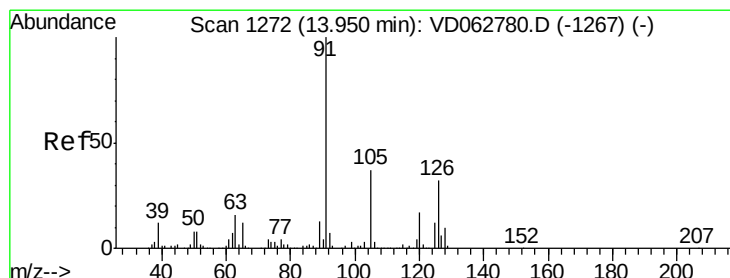
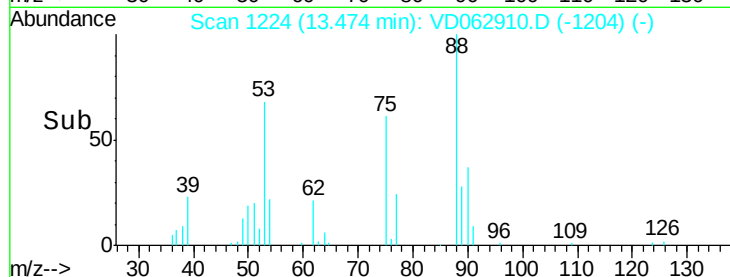
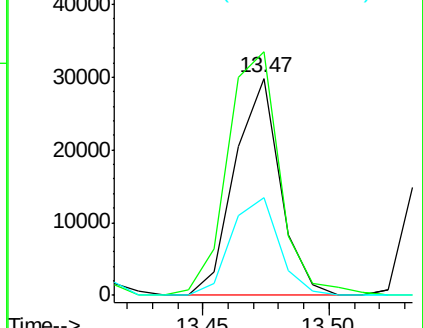
89 44.8 39.4 59.2



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: 19.988 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062910.D

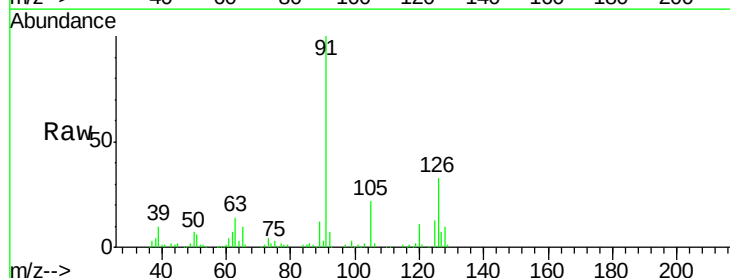
Acq: 26 Jun 2019 11:54

Tgt Ion: 91 Resp: 654605

Ion Ratio Lower Upper

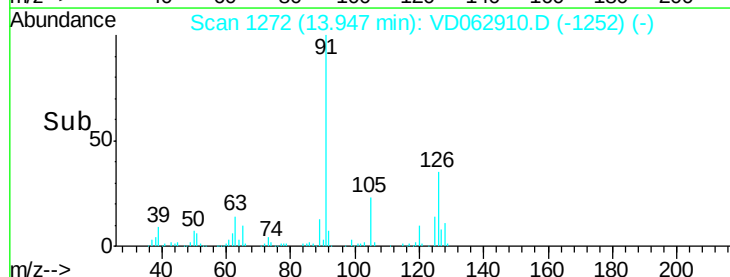
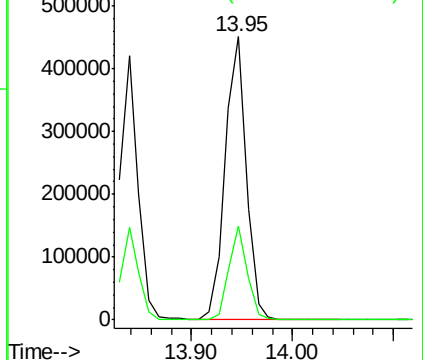
91 100

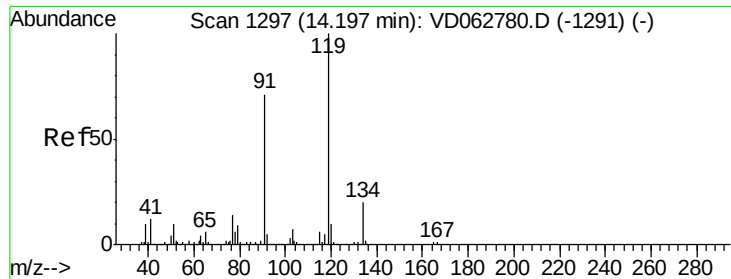
126 33.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

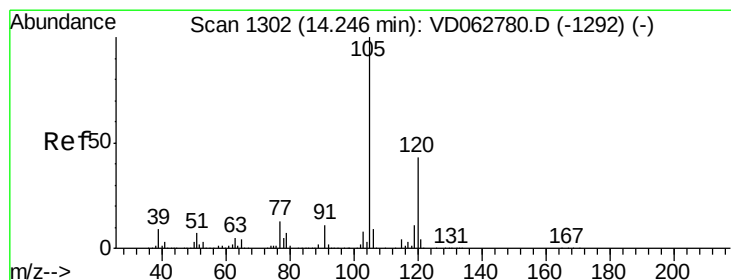
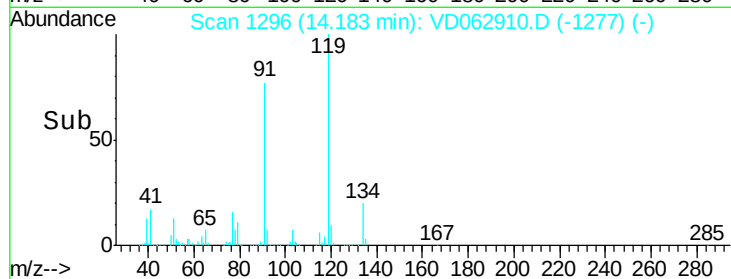
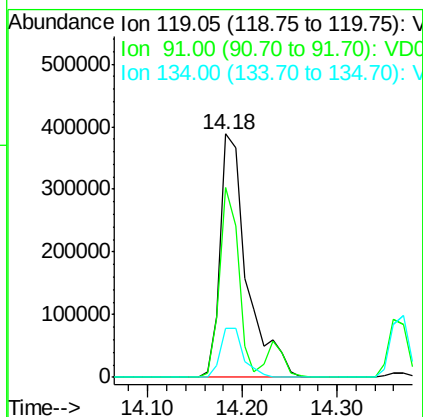
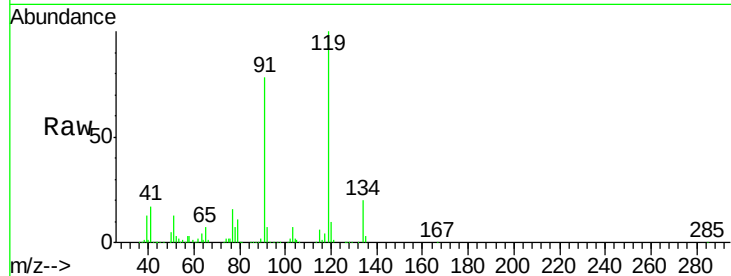




#83
 tert-Butylbenzene
 Concen: 19.884 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

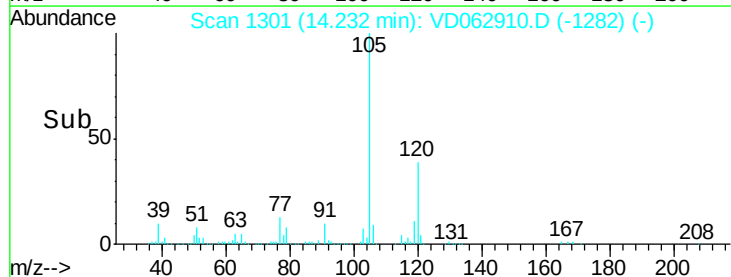
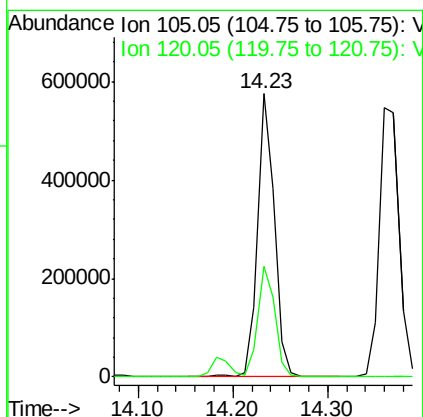
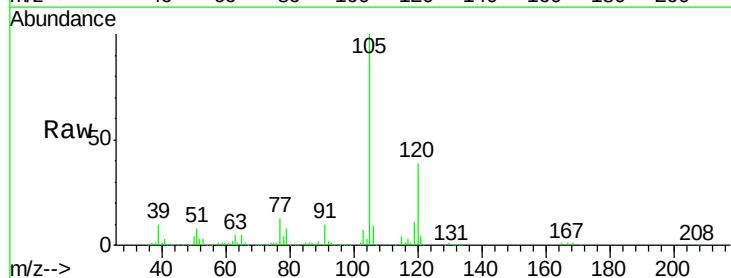
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

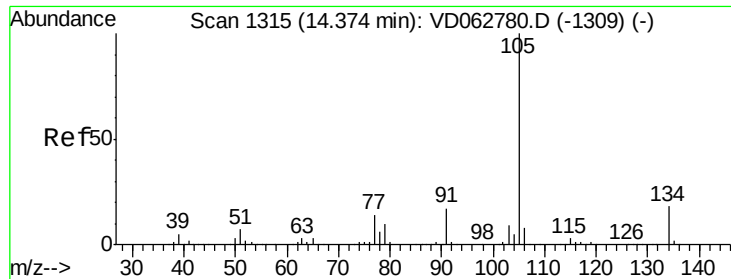
Tot Ion:119 Resp: 761387
 Ion Ratio Lower Upper
 119 100
 91 77.7 35.5 106.5
 134 20.4 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.143 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion:105 Resp: 709208
 Ion Ratio Lower Upper
 105 100
 120 39.1 21.3 63.9





#85

sec-Butylbenzene

Concen: 19.281 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

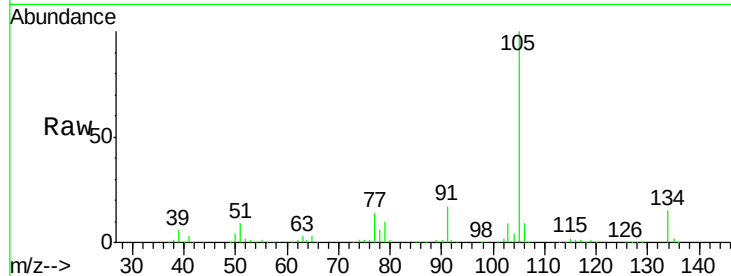
VD0626SBS01

Tot Ion:105 Resp: 802404

Ion Ratio Lower Upper

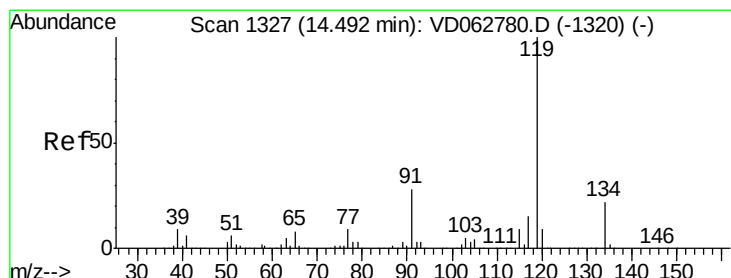
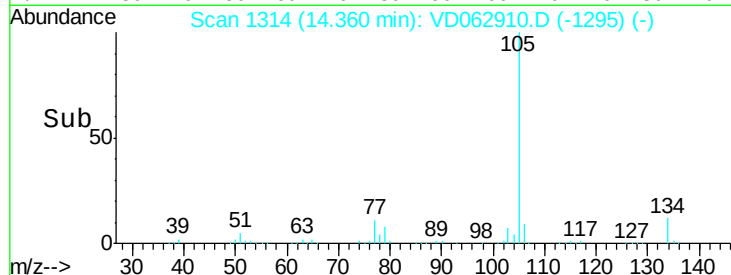
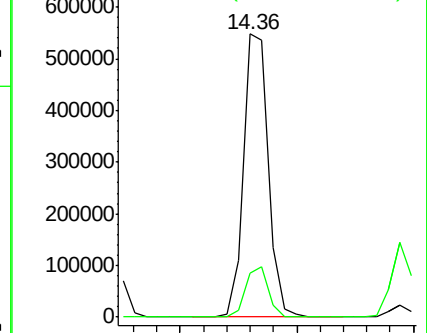
105 100

134 15.4 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: 20.742 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

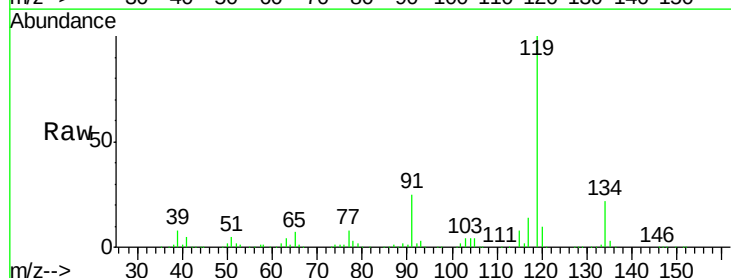
Tgt Ion:119 Resp: 789724

Ion Ratio Lower Upper

119 100

134 21.9 11.1 33.1

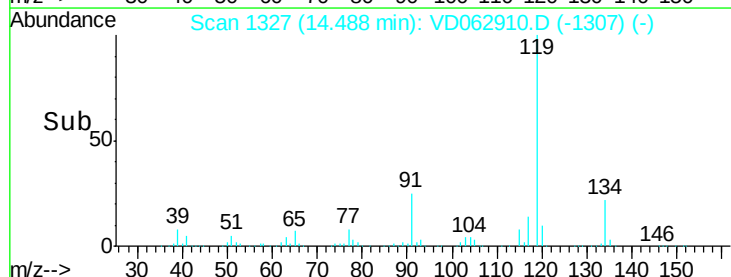
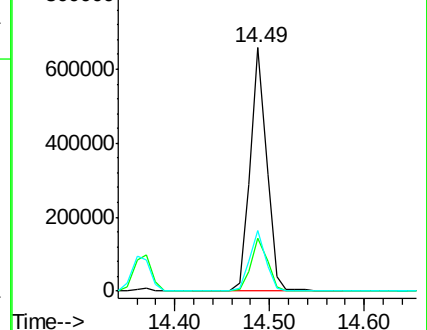
91 25.1 14.0 41.9

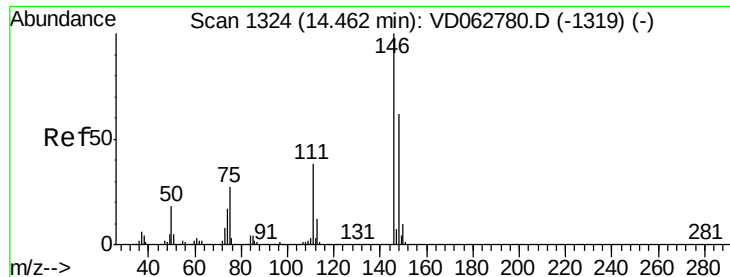


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

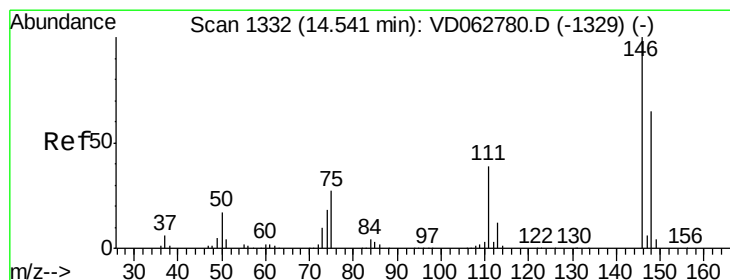
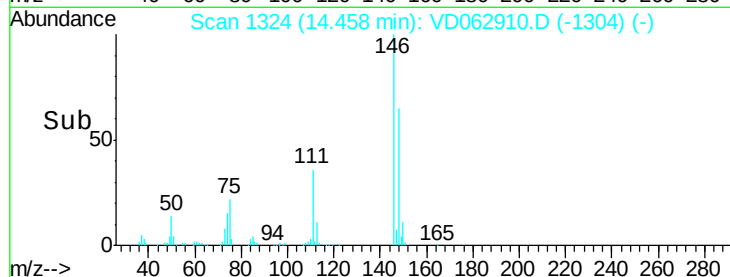
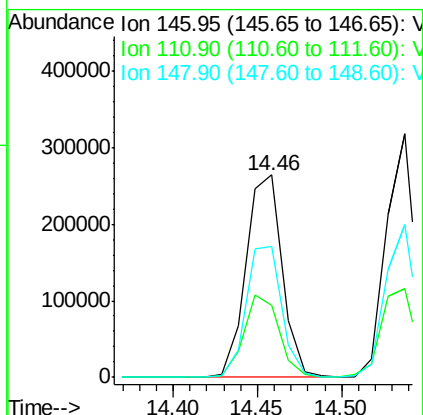
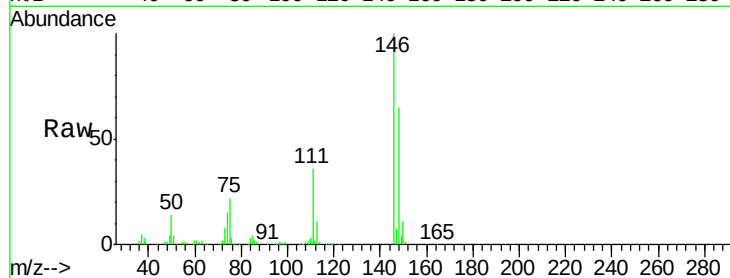




#87
 1,3-Dichlorobenzene
 Concen: 19.901 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

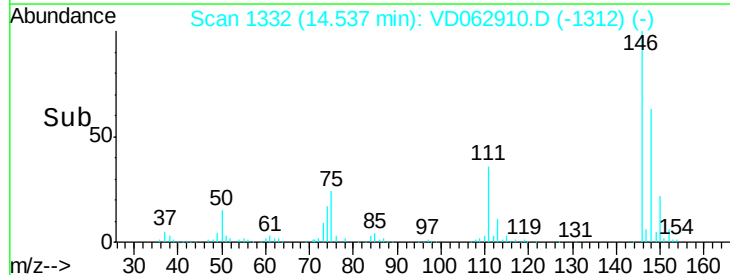
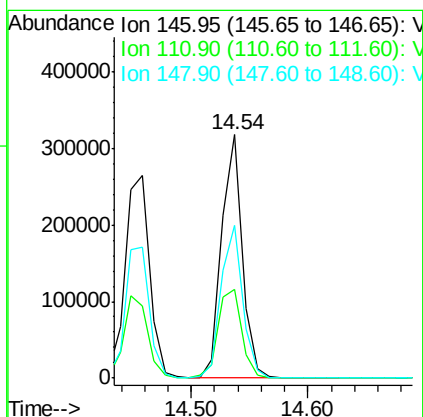
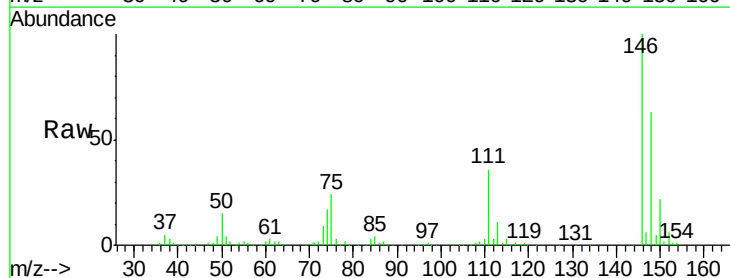
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

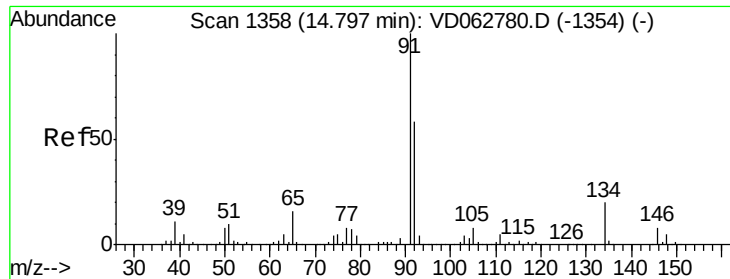
Tot Ion:146 Resp: 392422
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.0 57.0
 148 64.5 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 19.841 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion:146 Resp: 392962
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.7 59.1
 148 62.6 32.8 98.3





#89

n-Butylbenzene

Concen: 19.725 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

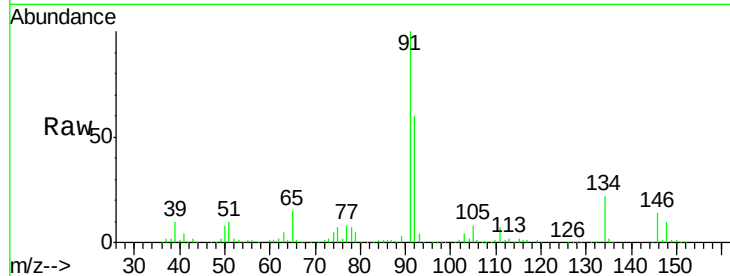
Tot Ion: 91 Resp: 702903

Ion Ratio Lower Upper

91 100

92 60.5 28.9 86.7

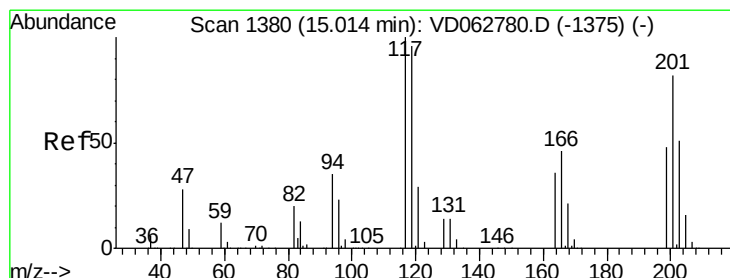
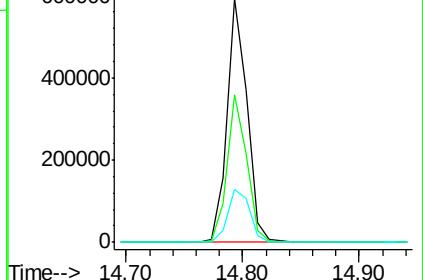
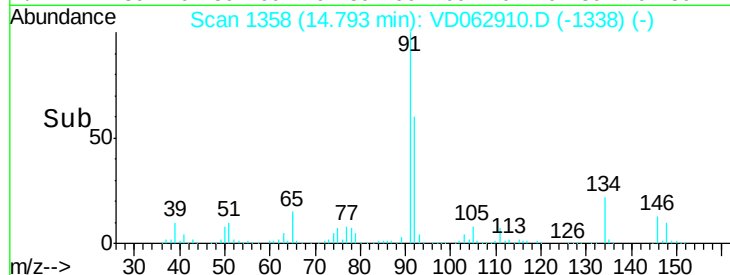
134 22.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VD062910.D (-1338) (-)

Ion 92.00 (91.70 to 92.70): VD062910.D (-1338) (-)

Ion 134.10 (133.80 to 134.40): VD062910.D (-1338) (-)



#90

Hexachloroethane

Concen: 18.626 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062910.D

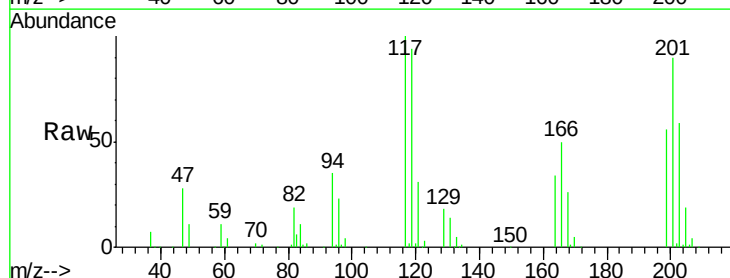
Acq: 26 Jun 2019 11:54

Tgt Ion: 117 Resp: 190667

Ion Ratio Lower Upper

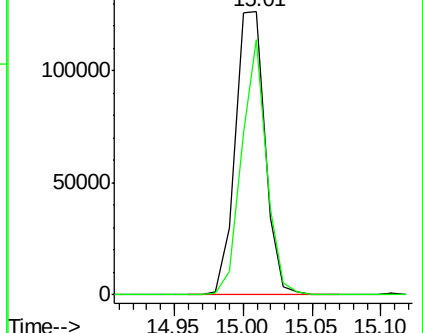
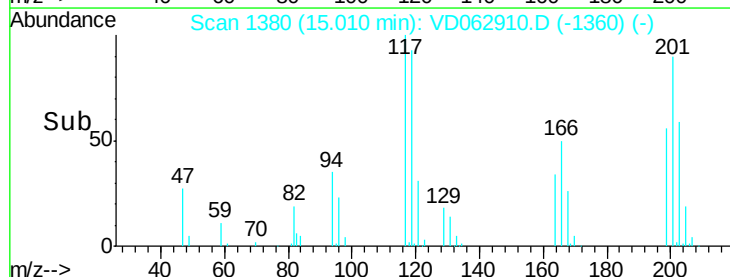
117 100

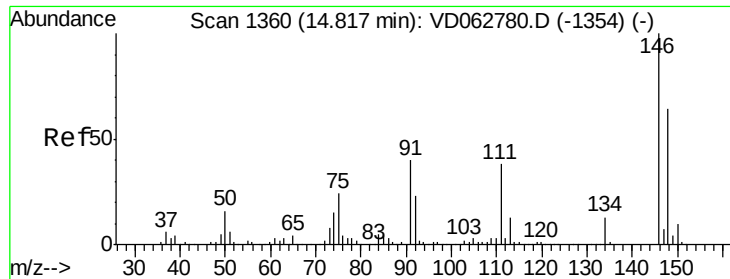
201 90.4 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VD062910.D (-1360) (-)

Ion 200.75 (200.45 to 201.45): VD062910.D (-1360) (-)





#91

1,2-Dichlorobenzene

Concen: 20.274 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

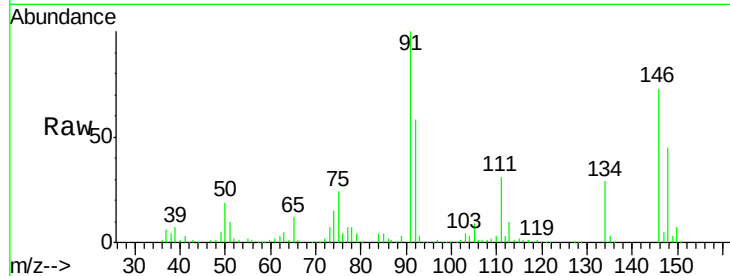
Tot Ion:146 Resp: 342047

Ion Ratio Lower Upper

146 100

111 42.0 19.1 57.1

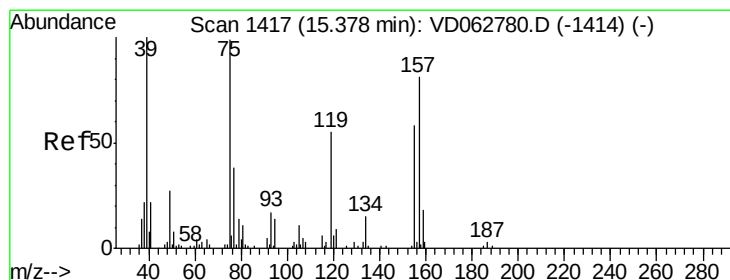
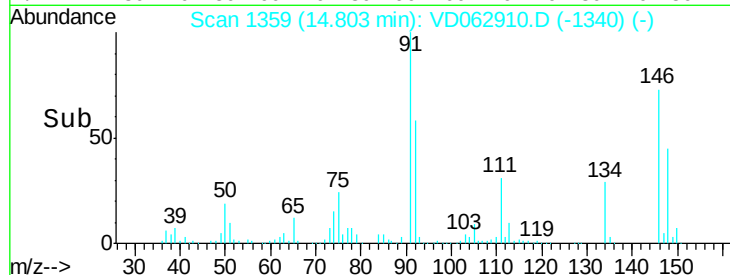
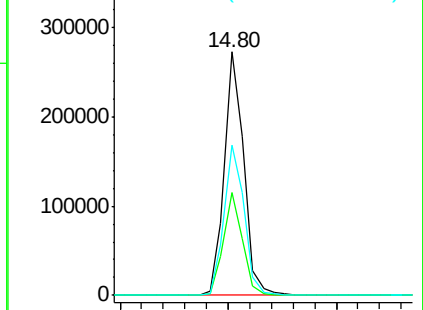
148 61.7 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.271 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

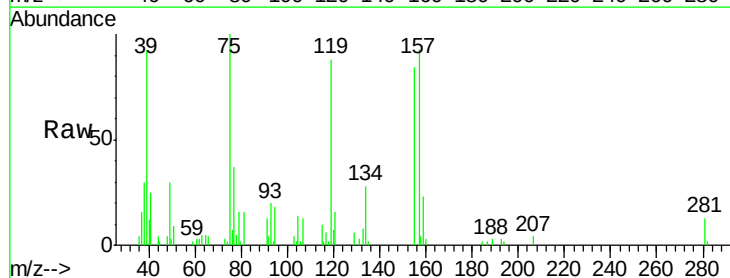
Tgt Ion: 75 Resp: 26364

Ion Ratio Lower Upper

75 100

155 83.6 29.3 87.8

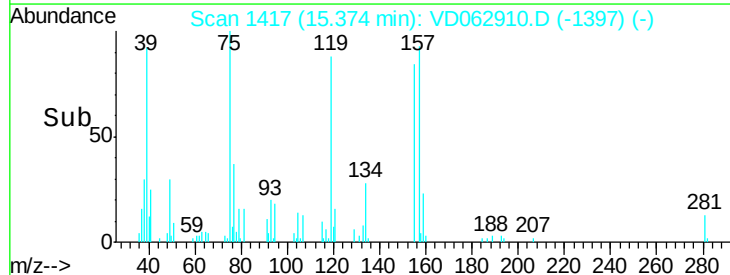
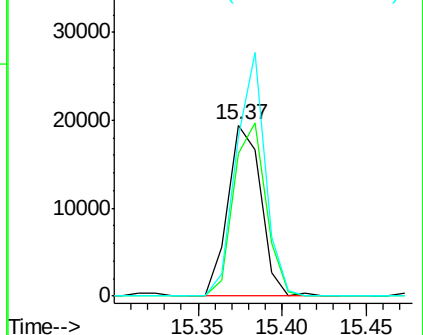
157 93.3 41.3 123.7

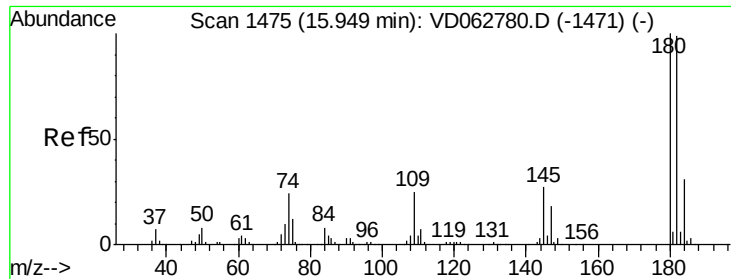


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

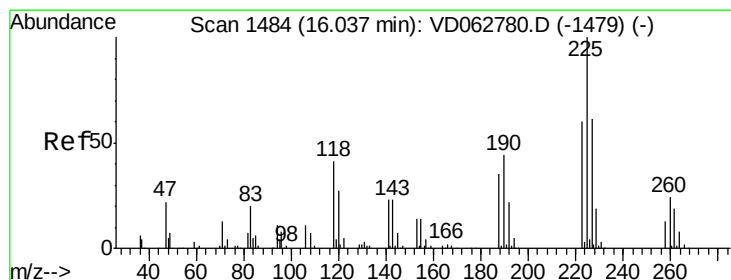
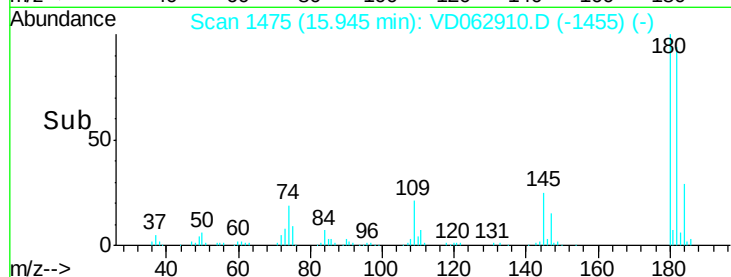
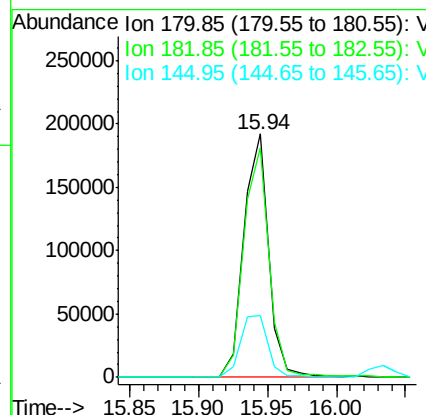
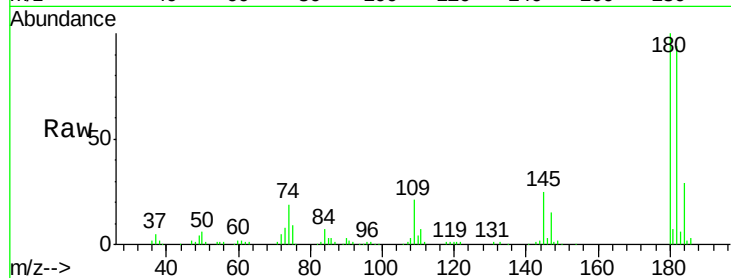




#93
 1,2,4-Trichlorobenzene
 Concen: 18.272 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

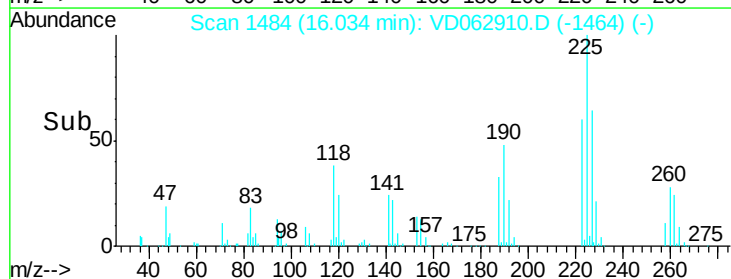
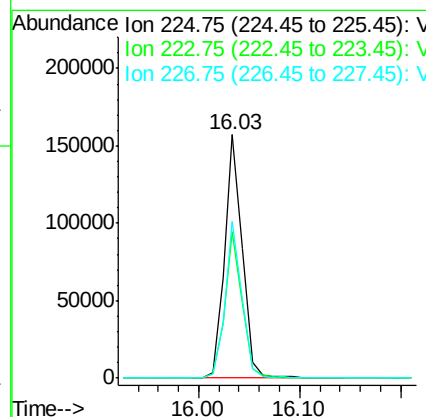
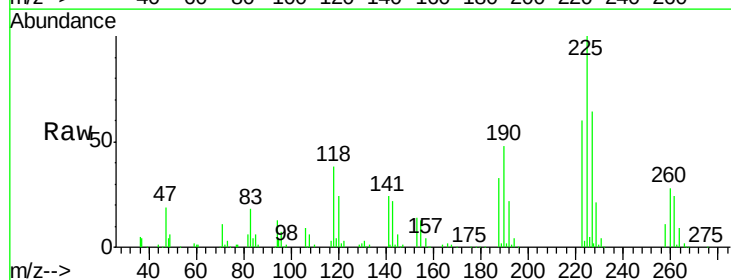
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0626SBSD01

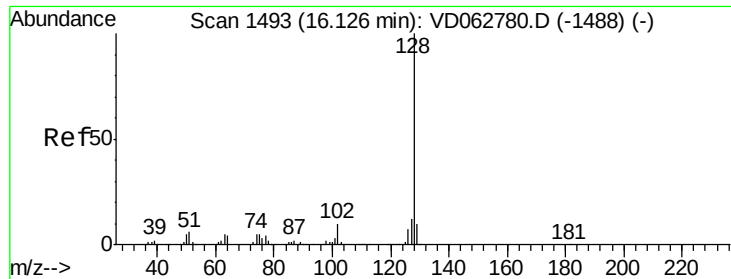
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	49.5	148.5
145	25.4	13.7	41.0



#94
 Hexachlorobutadiene
 Concen: 19.069 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062910.D
 Acq: 26 Jun 2019 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	29.8	89.5
227	64.5	30.6	91.6





#95

Naphthalene

Concen: 20.914 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD0626SBSD01

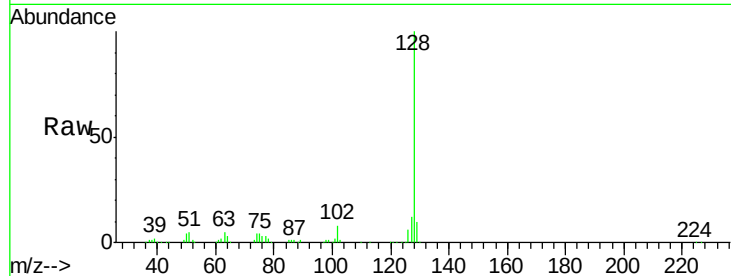
Tot Ion:128 Resp: 386318

Ion Ratio Lower Upper

128 100

127 12.5 9.7 14.5

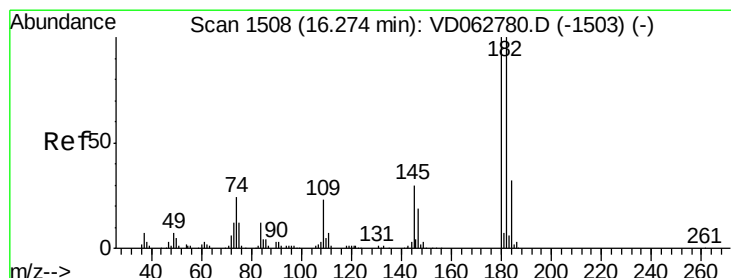
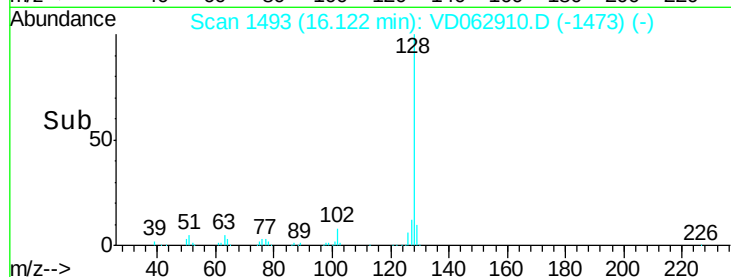
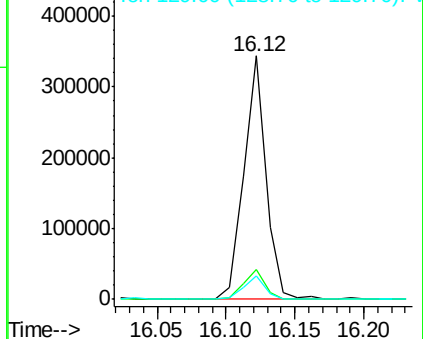
129 9.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.805 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062910.D

Acq: 26 Jun 2019 11:54

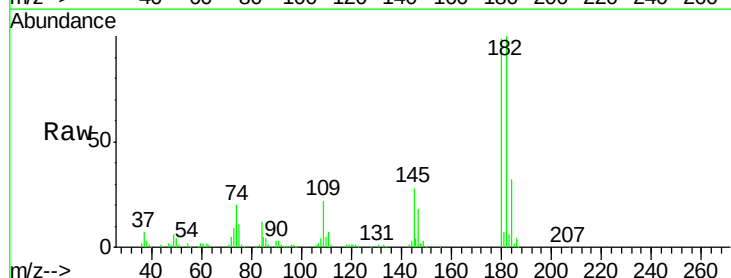
Tgt Ion:180 Resp: 200538

Ion Ratio Lower Upper

180 100

182 100.8 49.9 149.6

145 28.5 15.2 45.5



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

