

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042619\
 Data File : VD062056.D
 Acq On : 26 Apr 2019 12:33
 Operator : VA/AP
 Sample : VD0426SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Quant Time: Apr 26 23:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	577849	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	858664	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	683187	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	322592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	251153	55.53	ug/l	0.02
Spiked Amount			Recovery	=	111.06%	
35) Dibromofluoromethane	6.94	113	349629	58.88	ug/l	0.00
Spiked Amount			Recovery	=	117.76%	
50) Toluene-d8	10.43	98	826466	58.49	ug/l	0.00
Spiked Amount			Recovery	=	116.98%	
62) 4-Bromofluorobenzene	13.57	95	308521	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	84595	16.395	ug/l	100
3) Chloromethane	1.76	50	70593	16.097	ug/l	96
4) Vinyl Chloride	1.85	62	67673	17.025	ug/l	96
5) Bromomethane	2.15	94	20308	16.824	ug/l	88
6) Chloroethane	2.27	64	27716	19.290	ug/l	99
7) Trichlorofluoromethane	2.53	101	115647	19.243	ug/l	96
8) Diethyl Ether	2.89	74	30095	18.684	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.16	101	113900	20.574	ug/l	91
10) Methyl Iodide	3.32	142	128923	19.054	ug/l	98
11) Tert butyl alcohol	4.08	59	27322	106.924	ug/l #	90
12) 1,1-Dichloroethene	3.14	96	95849	20.350	ug/l	97
13) Acrolein	3.05	56	26518	100.020	ug/l	94
14) Allyl chloride	3.64	41	125587	19.526	ug/l	98
15) Acrylonitrile	4.21	53	74055	93.592	ug/l	96
16) Acetone	3.23	43	104705	96.962	ug/l	98
17) Carbon Disulfide	3.39	76	237433	17.444	ug/l	98
18) Methyl Acetate	3.66	43	44520	21.500	ug/l	100
19) Methyl tert-butyl Ether	4.26	73	174811	18.706	ug/l	92
20) Methylene Chloride	3.83	84	108087	18.555	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	93396	17.285	ug/l	98
22) Diisopropyl ether	5.14	45	270667	18.025	ug/l	96
23) Vinyl Acetate	5.08	43	748967	95.778	ug/l	98
24) 1,1-Dichloroethane	5.00	63	167779	18.486	ug/l	98
25) 2-Butanone	6.10	43	124423	95.034	ug/l	96
26) 2,2-Dichloropropane	6.05	77	159080	20.092	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	116437	18.942	ug/l	99
28) Bromochloromethane	6.46	49	75478	21.735	ug/l	99
29) Tetrahydrofuran	6.47	42	65634	101.743	ug/l	98
30) Chloroform	6.69	83	209719	20.344	ug/l	100
31) Cyclohexane	6.98	56	116894	17.352	ug/l	94
32) 1,1,1-Trichloroethane	6.89	97	184869	20.611	ug/l	98
36) 1,1-Dichloropropene	7.17	75	153086	22.883	ug/l	98
37) Ethyl Acetate	6.21	43	64666	22.683	ug/l #	88
38) Carbon Tetrachloride	7.14	117	185797	21.917	ug/l	95

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Instrument :
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 ClientSampleID :
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Quant Time: Apr 26 23:04:40 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	134622	20.396	ug/l	98
40) Benzene	7.48	78	350322	21.152	ug/l	96
41) Methacrylonitrile	6.46	41	78423	23.577	ug/l #	88
42) 1,2-Dichloroethane	7.60	62	127752	22.718	ug/l	98
43) Isopropyl Acetate	9.26	43	88393	21.221	ug/l	96
44) Trichloroethene	8.57	130	134210	20.902	ug/l	96
45) 1,2-Dichloropropane	8.96	63	83794	19.943	ug/l	94
46) Dibromomethane	9.09	93	66959	22.148	ug/l	96
47) Bromodichloromethane	9.40	83	148709	20.817	ug/l	98
48) Methyl methacrylate	9.14	41	53727	22.607	ug/l	94
49) 1,4-Dioxane	9.11	88	10767	420.213	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	288894	113.407	ug/l	99
52) Toluene	10.54	92	211864	20.063	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	136194	22.714	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	158031	21.669	ug/l	98
55) 1,1,2-Trichloroethane	11.21	97	80090	22.591	ug/l	94
56) Ethyl methacrylate	11.06	69	87461	22.274	ug/l	96
57) 1,3-Dichloropropane	11.42	76	120946	22.088	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.88	63	230086	126.036	ug/l	97
59) 2-Hexanone	11.55	43	199354	104.324	ug/l	99
60) Dibromochloromethane	11.71	129	120912	20.612	ug/l	98
61) 1,2-Dibromoethane	11.83	107	90512	21.522	ug/l	94
64) Tetrachloroethene	11.28	164	95698	19.636	ug/l	96
65) Chlorobenzene	12.42	112	263048	20.376	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	122042	22.286	ug/l	97
67) Ethyl Benzene	12.54	91	456723	21.675	ug/l	95
68) m/p-Xylenes	12.68	106	327180	42.961	ug/l	100
69) o-Xylene	13.07	106	162092	23.262	ug/l	97
70) Styrene	13.09	104	287992	23.936	ug/l	99
71) Bromoform	13.25	173	69572	22.285	ug/l #	96
73) Isopropylbenzene	13.42	105	471116	21.893	ug/l	99
74) N-amyl acetate	13.28	43	113915	20.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.72	83	91837	21.778	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	93332	22.784	ug/l	99
77) Bromobenzene	13.69	156	125774	20.374	ug/l	97
78) n-propylbenzene	13.79	91	562575	22.837	ug/l	100
79) 2-Chlorotoluene	13.85	91	282085	18.905	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	366878	21.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.49	75	24095	19.410	ug/l	93
82) 4-Chlorotoluene	13.96	91	348275	21.194	ug/l	95
83) tert-Butylbenzene	14.20	119	442466	22.260	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	372982	22.765	ug/l	94
85) sec-Butylbenzene	14.38	105	470052	21.886	ug/l	97
86) p-Isopropyltoluene	14.50	119	398901	20.753	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	210090	19.434	ug/l	94
88) 1,4-Dichlorobenzene	14.55	146	214507	21.218	ug/l	95
89) n-Butylbenzene	14.81	91	383900	22.246	ug/l	97
90) Hexachloroethane	15.02	117	111037	21.363	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	195628	21.938	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12173	21.145	ug/l	78

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

Quant Time: Apr 26 23:04:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

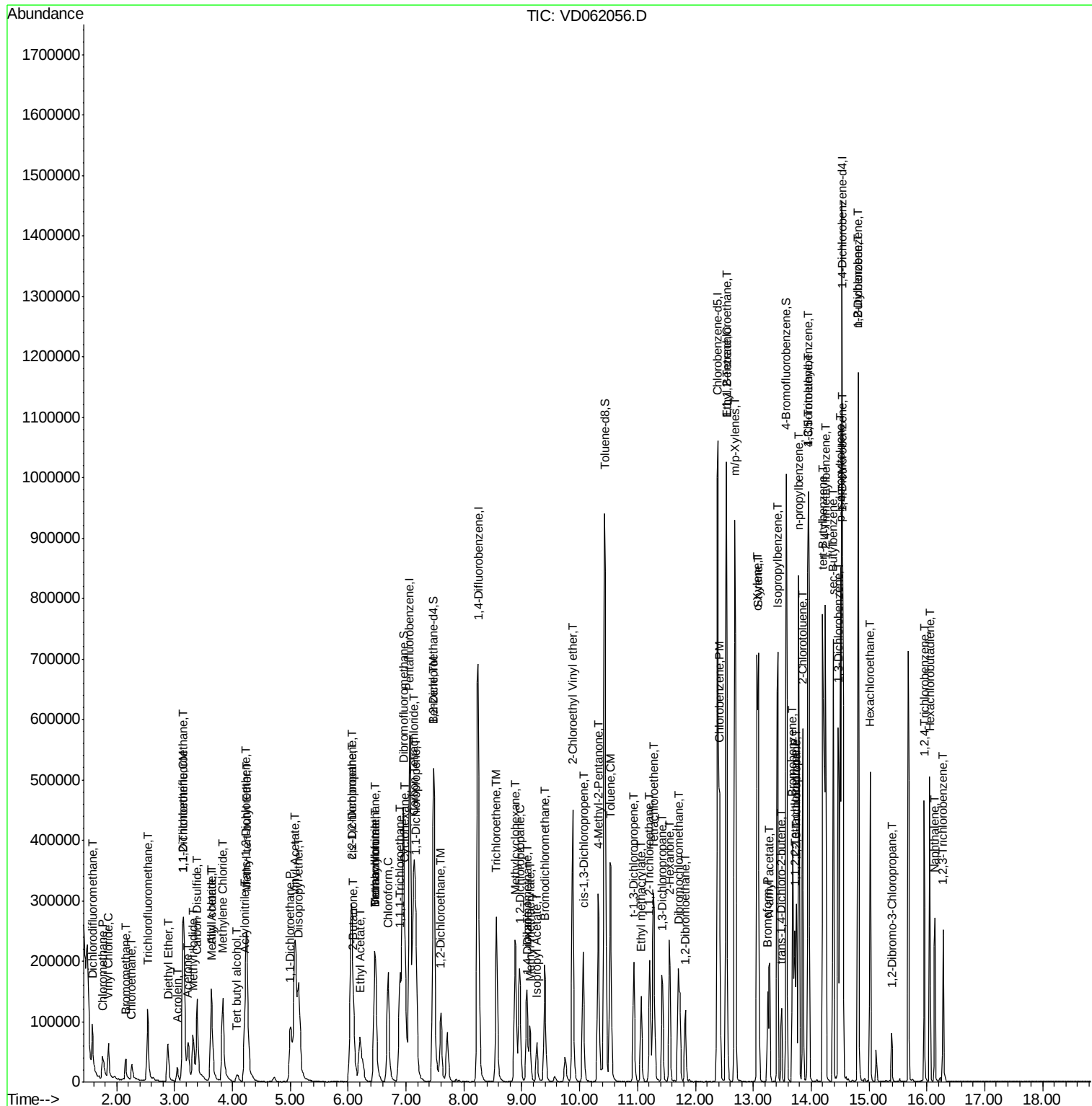
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	110964	23.063	ug/l	98
94) Hexachlorobutadiene	16.05	225	80296	22.551	ug/l	99
95) Naphthalene	16.14	128	180053	23.177	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	72241	26.463	ug/l	96

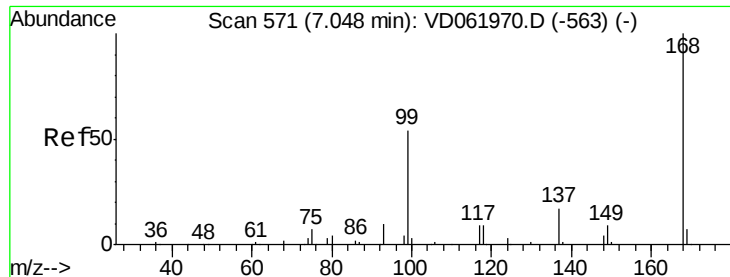
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On    : 26 Apr 2019 12:33
Operator  : VA/AP
Sample    : VD0426SBSD01
Misc      : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial  : 6 Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

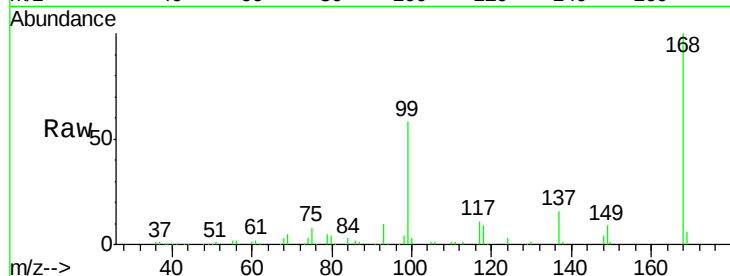
VD0426SBSD01

Tot Ion:168 Resp: 577849

Ion Ratio Lower Upper

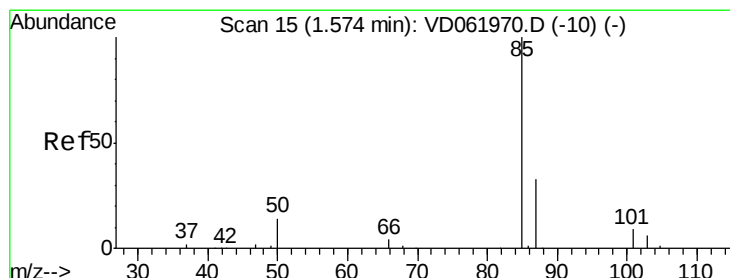
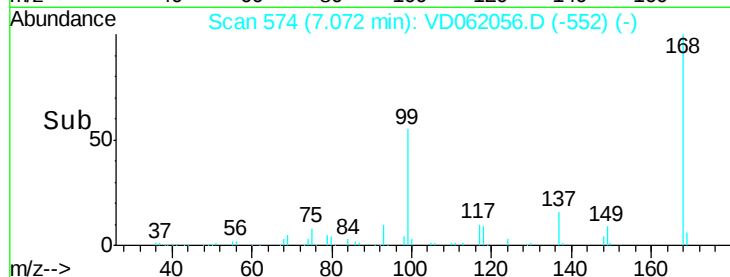
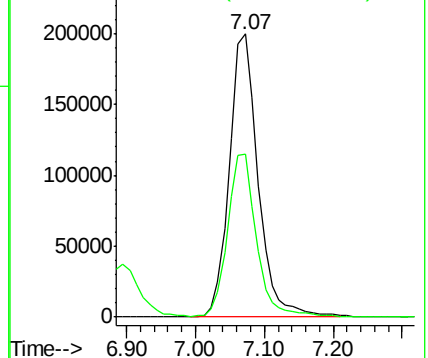
168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.395 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062056.D

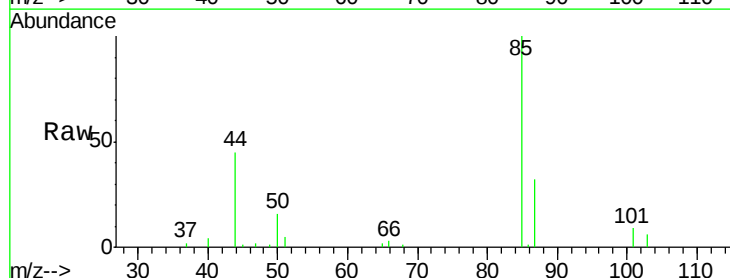
Acq: 26 Apr 2019 12:33

Tgt Ion: 85 Resp: 84595

Ion Ratio Lower Upper

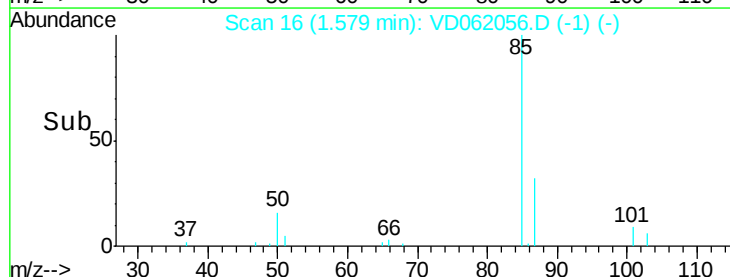
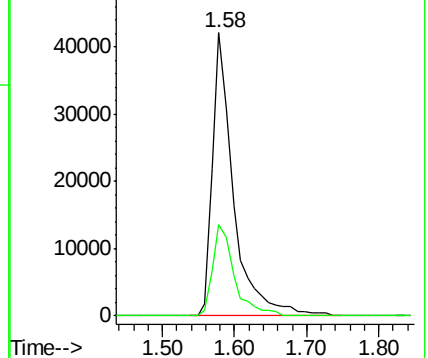
85 100

87 32.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.097 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

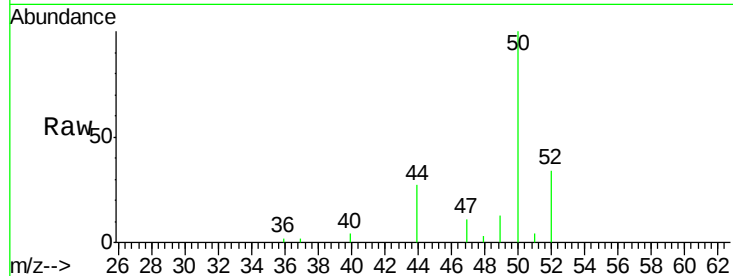
VD0426SBSD01

Tot Ion: 50 Resp: 70593

Ion Ratio Lower Upper

50 100

52 33.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

25000

20000

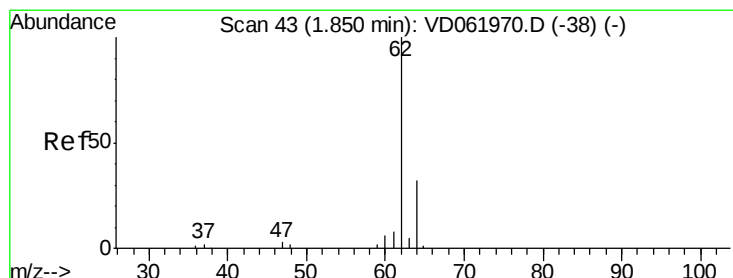
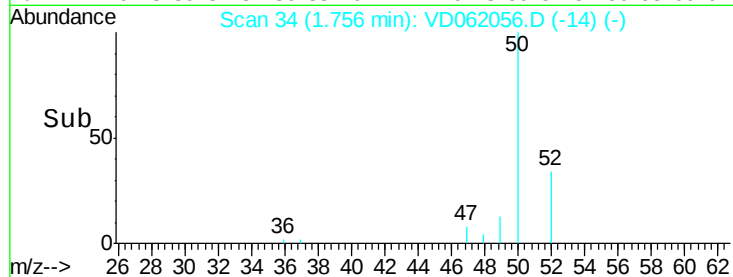
15000

10000

5000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 17.025 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062056.D

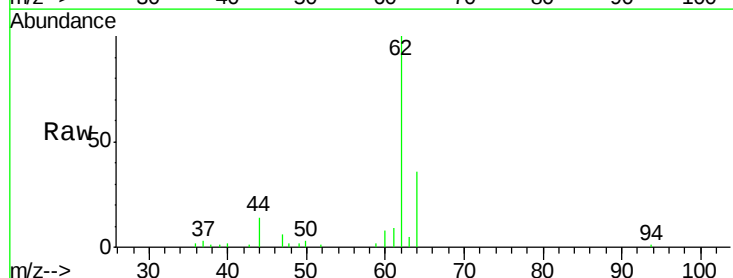
Acq: 26 Apr 2019 12:33

Tgt Ion: 62 Resp: 67673

Ion Ratio Lower Upper

62 100

64 35.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

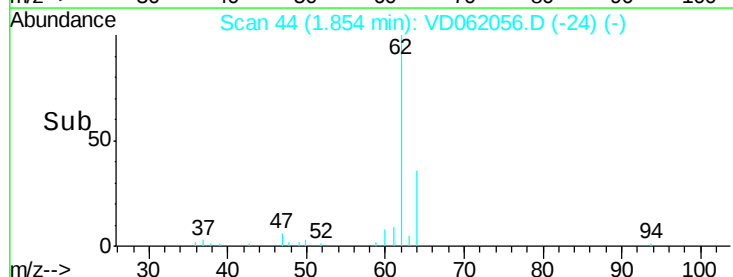
30000

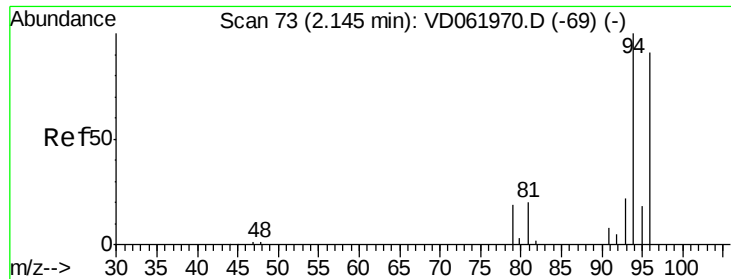
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10000

0

Time--> 1.80 1.90 2.00

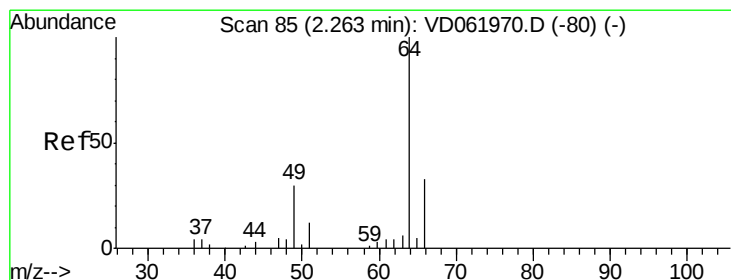
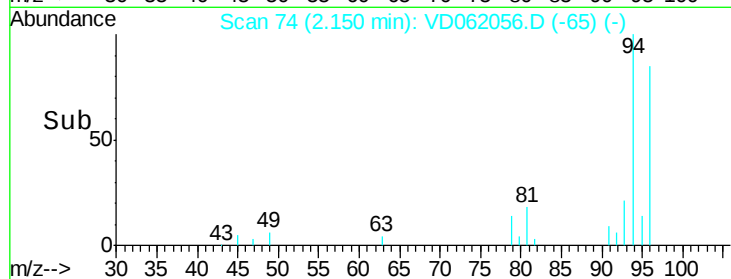
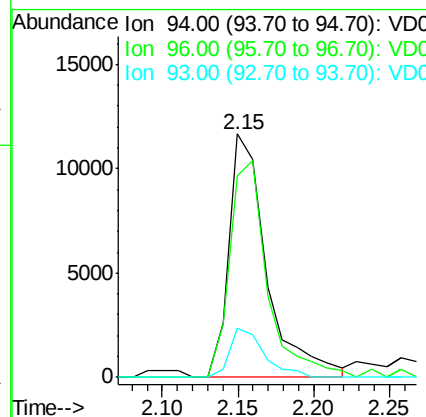
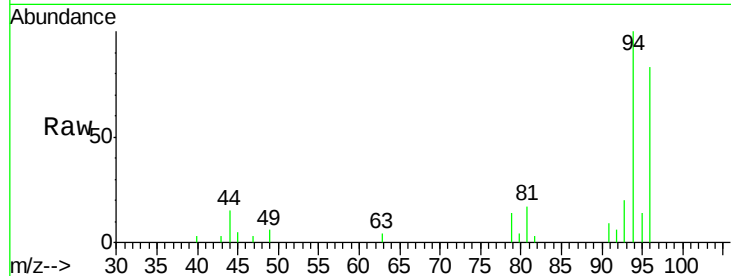




#5
Bromomethane
Concen: 16.824 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

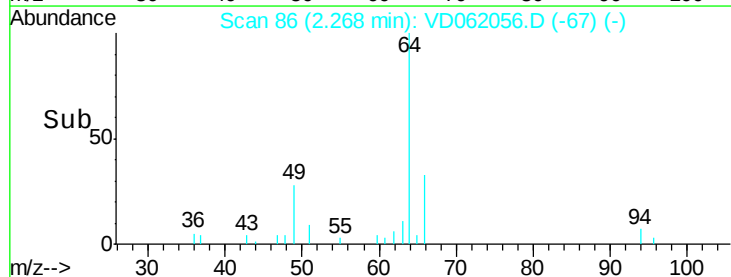
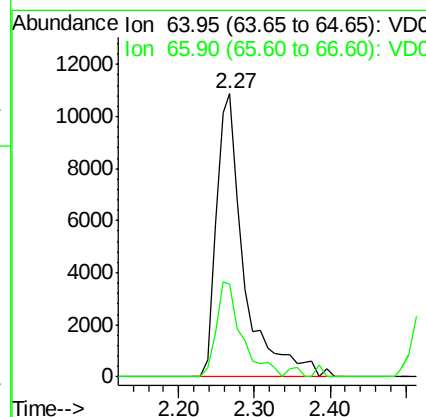
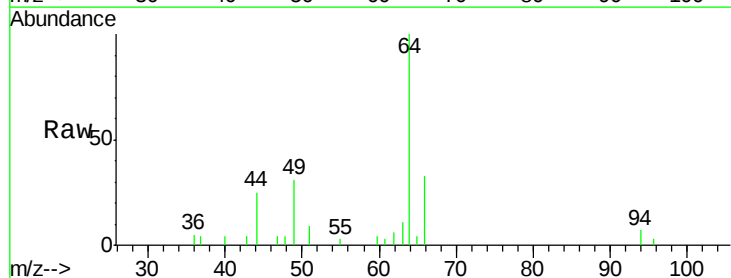
Instrument :
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ClientSampleId :
VD0426SBSD01

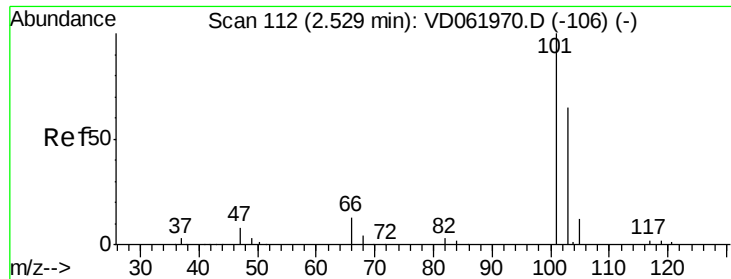
Tot Ion: 94 Resp: 20308
Ion Ratio Lower Upper
94 100
96 82.8 76.6 115.0
93 20.4 18.5 27.7



#6
Chloroethane
Concen: 19.290 ug/l
RT: 2.27 min Scan# 86
Delta R.T. -0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion: 64 Resp: 27716
Ion Ratio Lower Upper
64 100
66 32.8 25.6 38.4



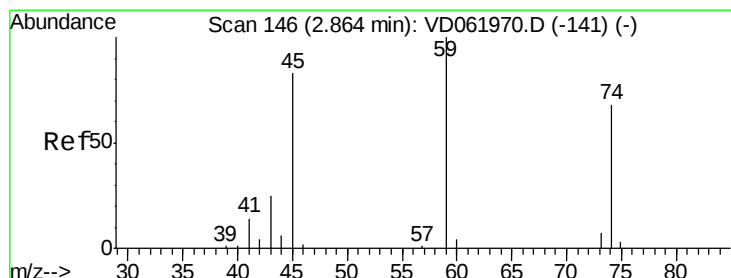
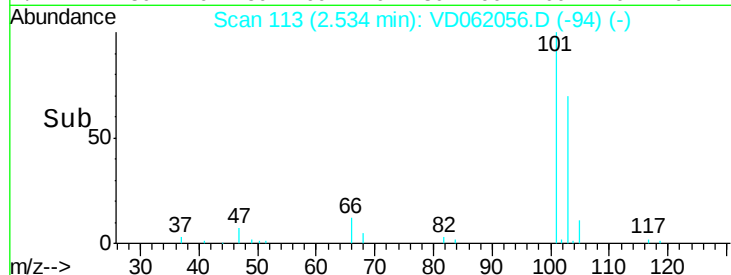
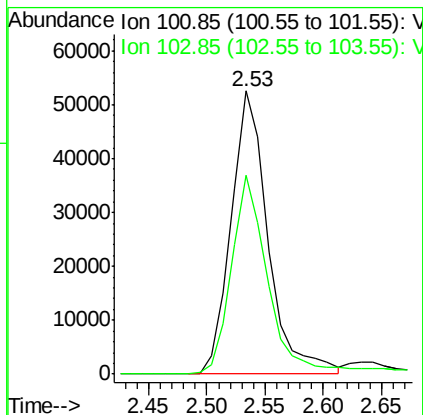
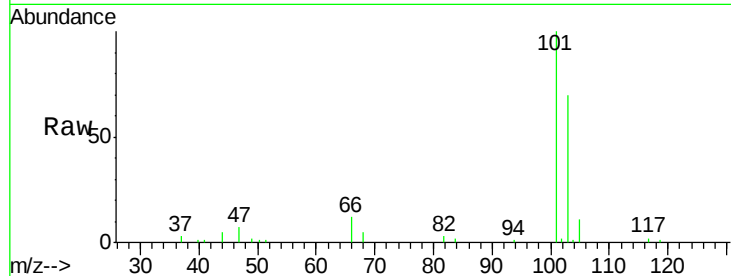


#7

Trichlorofluoromethane
 Concen: 19.243 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

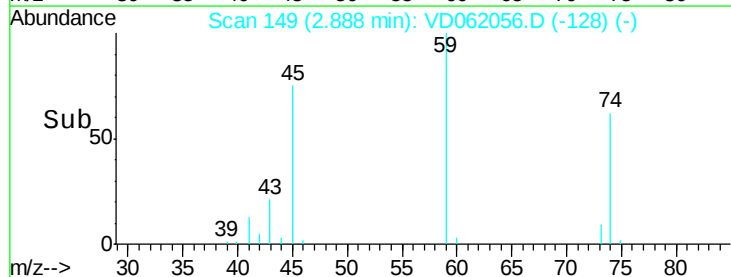
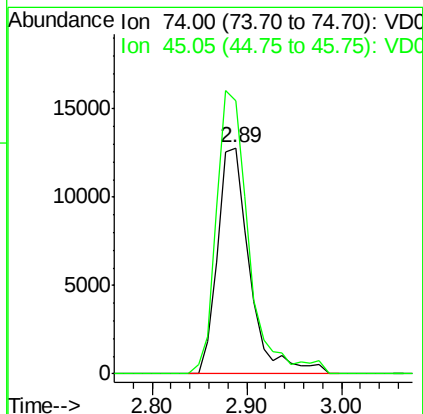
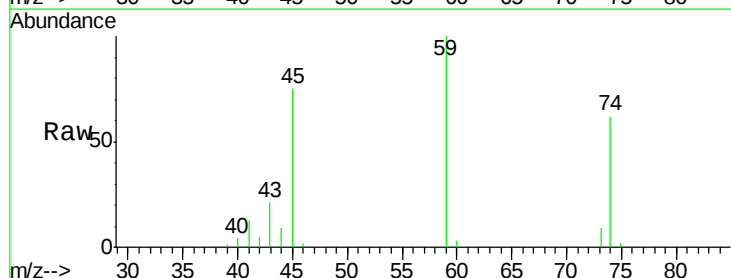
Tot Ion:101 Resp: 115647
 Ion Ratio Lower Upper
 101 100
 103 70.4 53.6 80.4

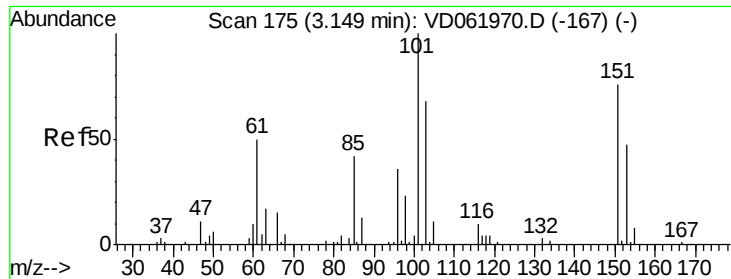


#8

Diethyl Ether
 Concen: 18.684 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion: 74 Resp: 30095
 Ion Ratio Lower Upper
 74 100
 45 120.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.574 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBSD01

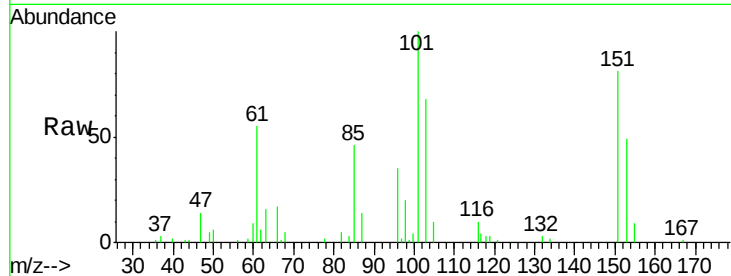
Tot Ion:101 Resp: 113900

Ion Ratio Lower Upper

101 100

85 46.5 32.4 48.6

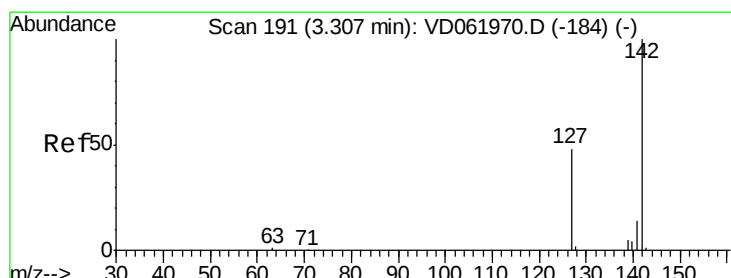
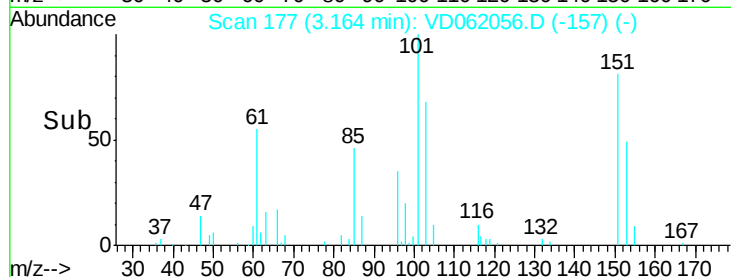
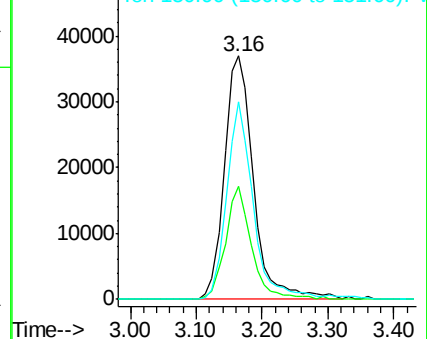
151 81.2 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.054 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

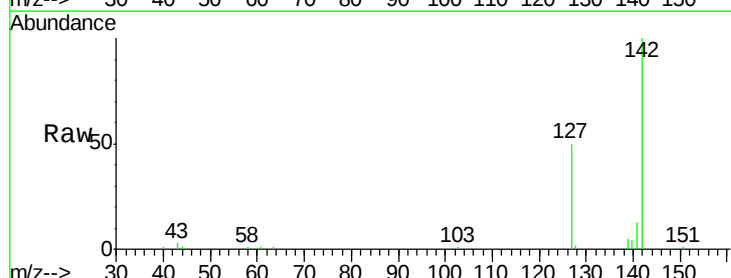
Tgt Ion:142 Resp: 128923

Ion Ratio Lower Upper

142 100

127 49.7 38.8 58.2

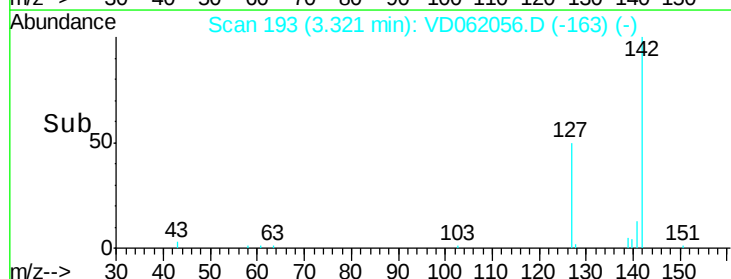
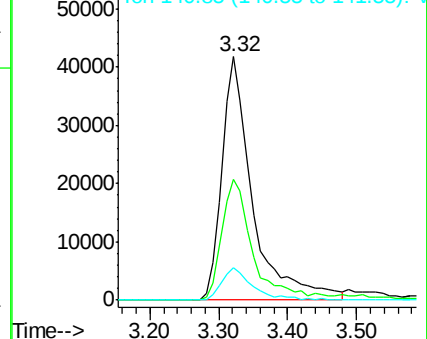
141 13.1 11.4 17.0

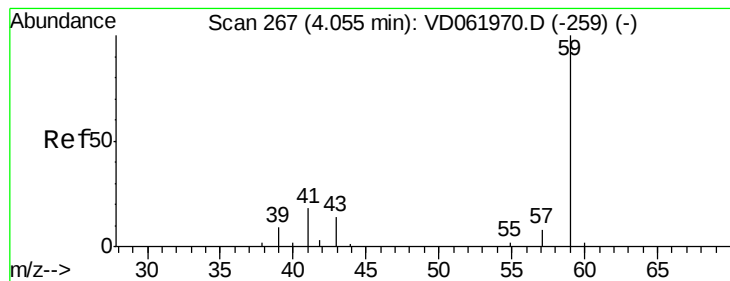


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



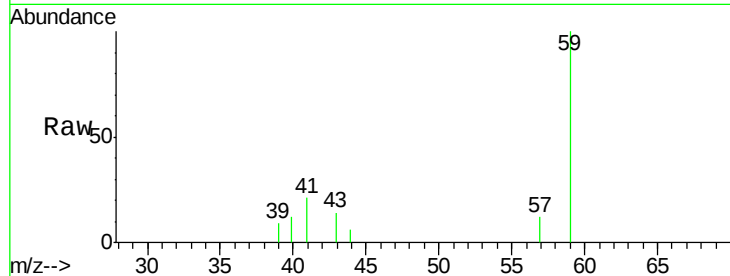


#11

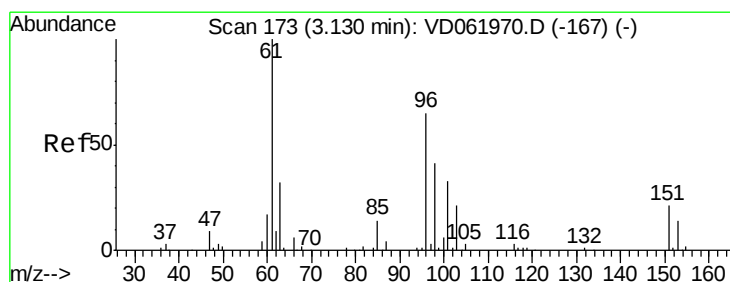
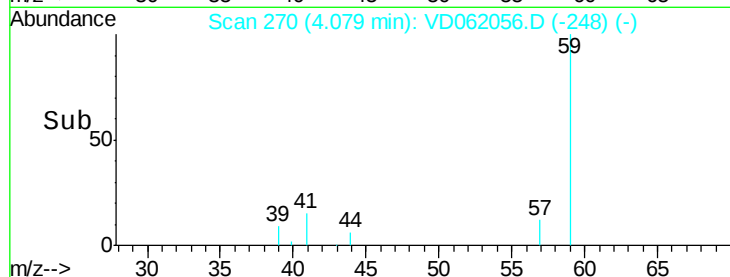
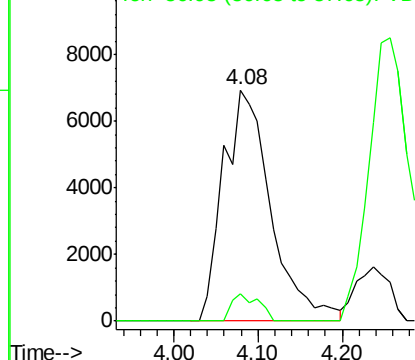
Tert butyl alcohol
 Concen: 106.924 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

Tot Ion: 59 Resp: 27322
 Ion Ratio Lower Upper
 59 100
 57 12.1 6.9 10.3#



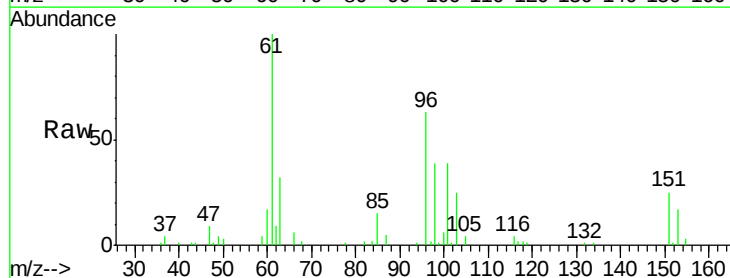
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



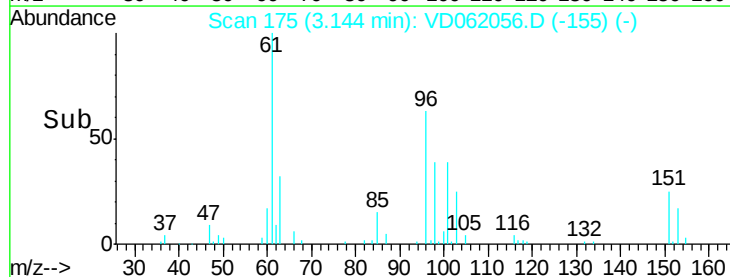
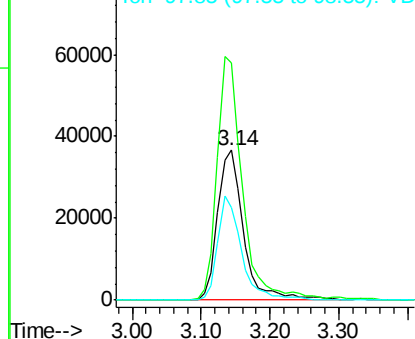
#12

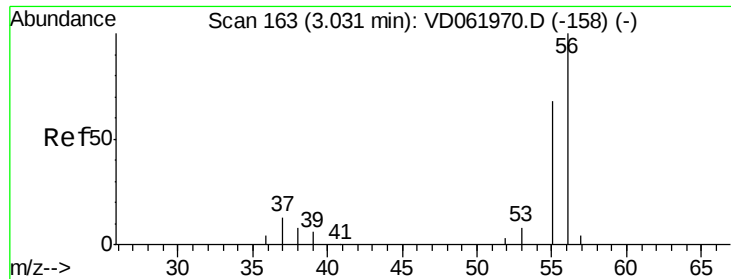
1,1-Dichloroethene
 Concen: 20.350 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.00 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion: 96 Resp: 95849
 Ion Ratio Lower Upper
 96 100
 61 158.5 129.8 194.8
 98 61.8 51.2 76.8



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





#13

Acrolein

Concen: 100.020 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

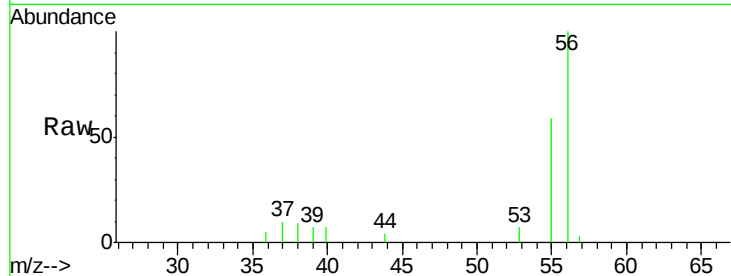
VD0426SBS01

Tot Ion: 56 Resp: 26518

Ion Ratio Lower Upper

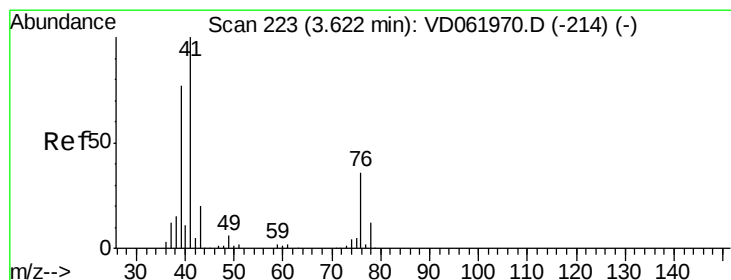
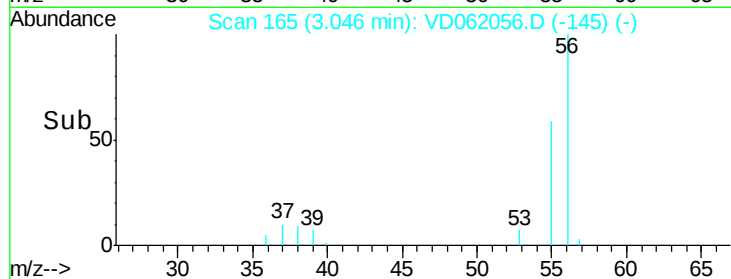
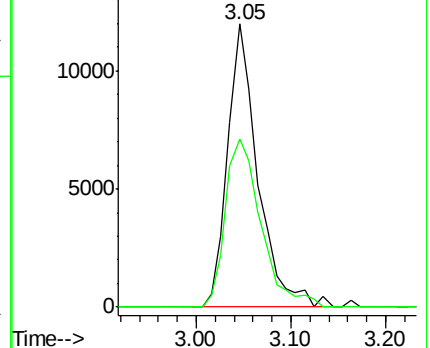
56 100

55 59.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.526 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

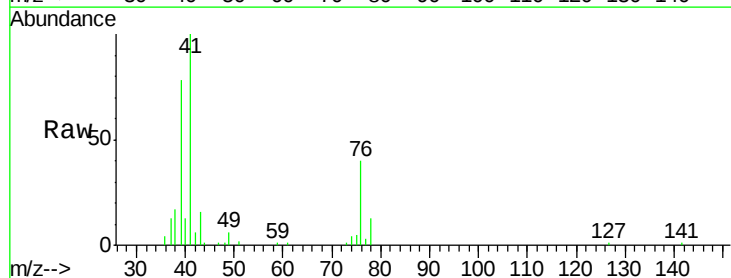
Tgt Ion: 41 Resp: 125587

Ion Ratio Lower Upper

41 100

39 78.1 60.5 90.7

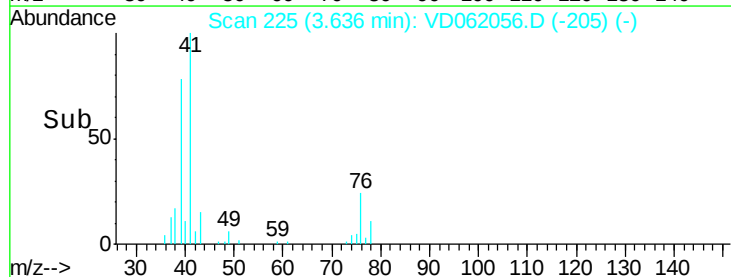
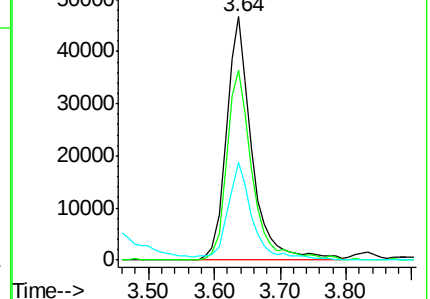
76 39.9 31.8 47.8

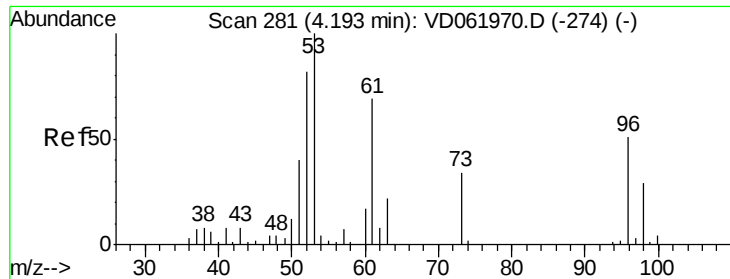


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.592 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

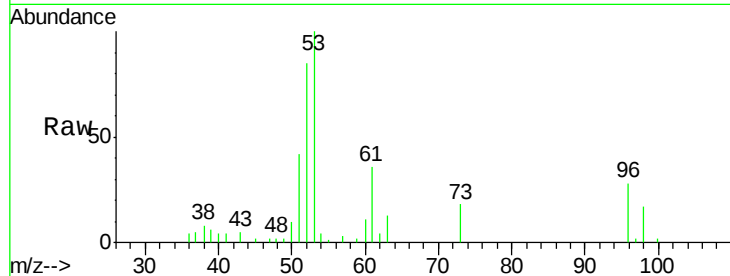
Tot Ion: 53 Resp: 74055

Ion Ratio Lower Upper

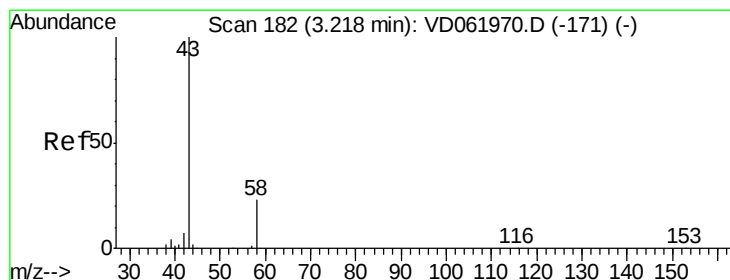
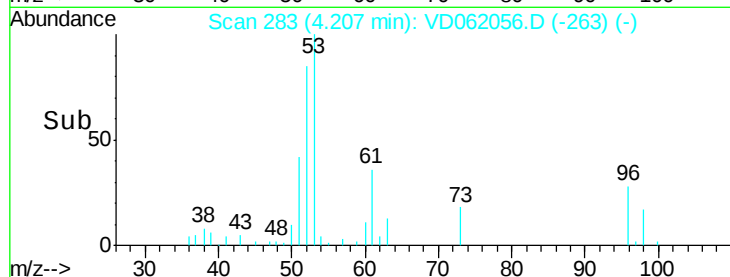
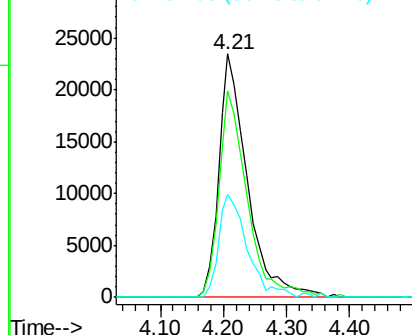
53 100

52 84.9 65.0 97.4

51 42.3 32.6 48.8



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



#16

Acetone

Concen: 96.962 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062056.D

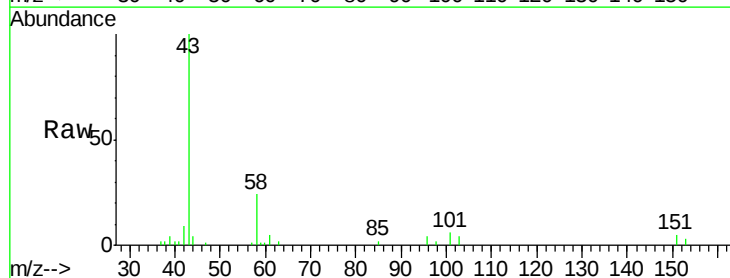
Acq: 26 Apr 2019 12:33

Tgt Ion: 43 Resp: 104705

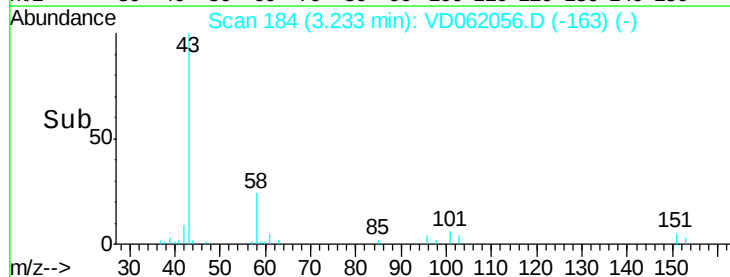
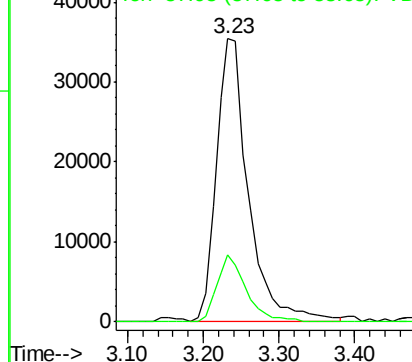
Ion Ratio Lower Upper

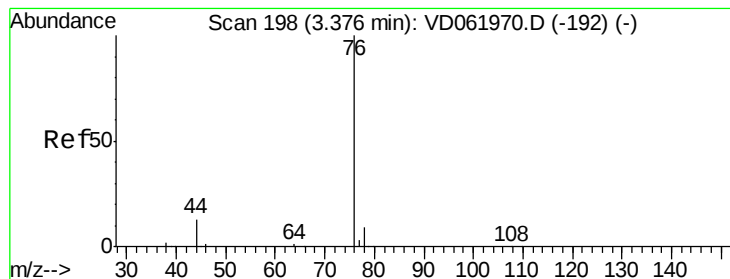
43 100

58 23.7 19.9 29.9



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





#17

Carbon Disulfide

Concen: 17.444 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

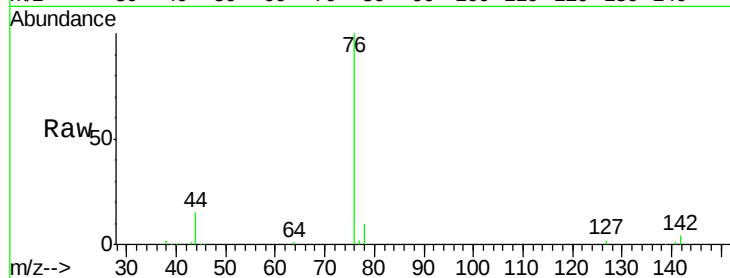
VD0426SBSD01

Tot Ion: 76 Resp: 237433

Ion Ratio Lower Upper

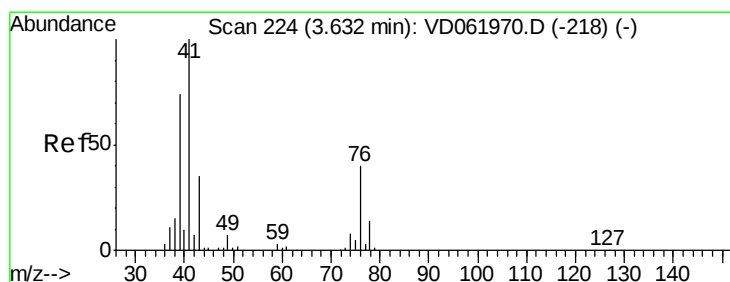
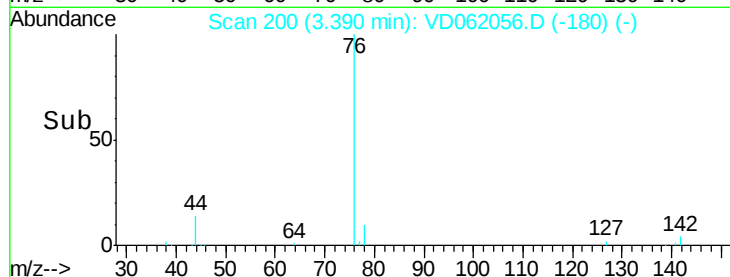
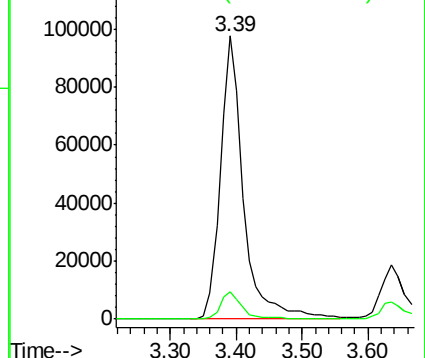
76 100

78 9.8 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.500 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD062056.D

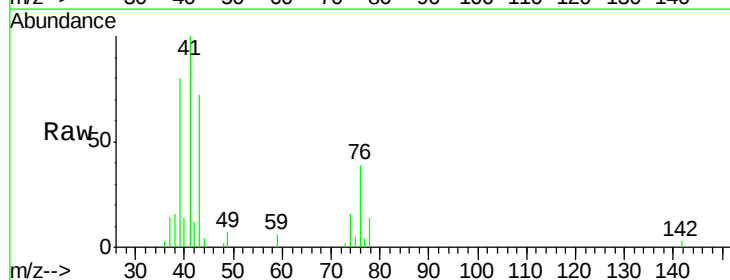
Acq: 26 Apr 2019 12:33

Tgt Ion: 43 Resp: 44520

Ion Ratio Lower Upper

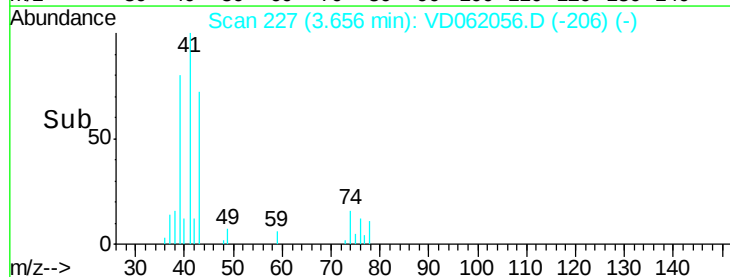
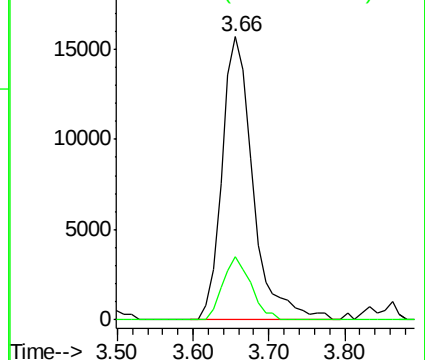
43 100

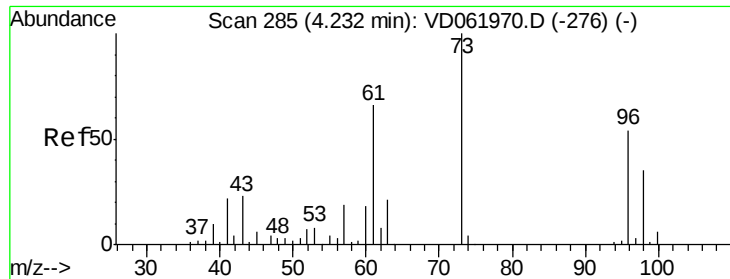
74 22.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

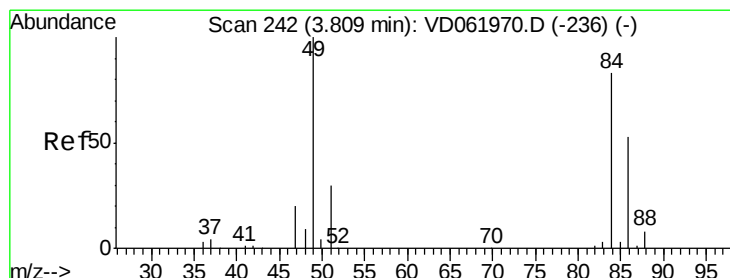
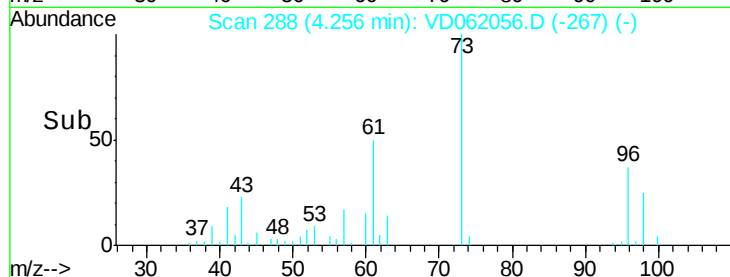
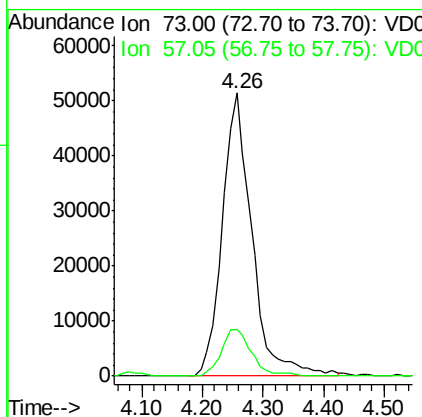
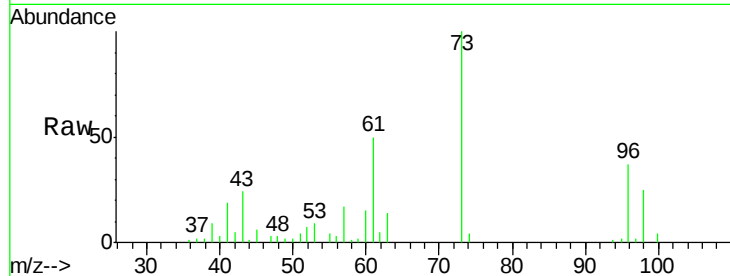




#19
Methyl tert-butyl Ether
Concen: 18.706 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

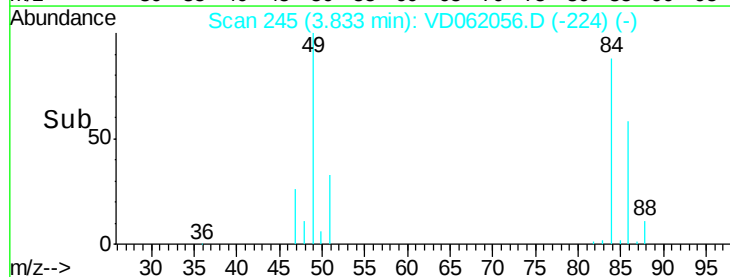
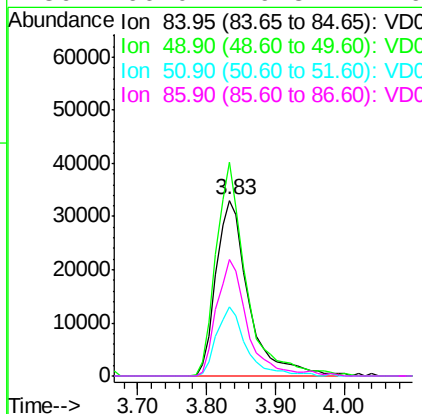
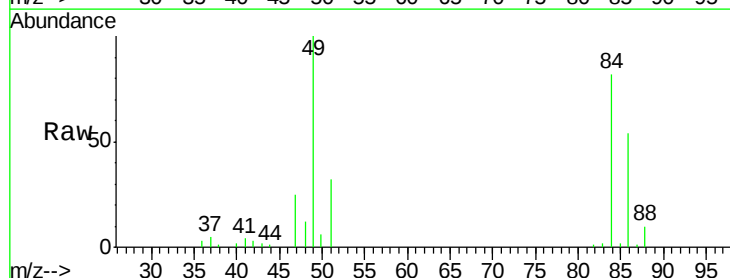
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

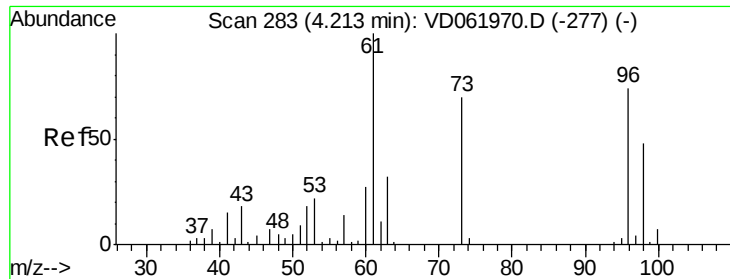
Tot Ion: 73 Resp: 174811
Ion Ratio Lower Upper
73 100
57 16.5 16.3 24.5



#20
Methylene Chloride
Concen: 18.555 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion: 84 Resp: 108087
Ion Ratio Lower Upper
84 100
49 121.4 94.0 141.0
51 39.1 29.0 43.4
86 66.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.285 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBSD01

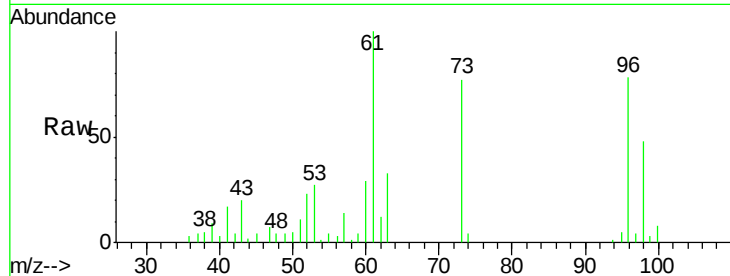
Tot Ion: 96 Resp: 93396

Ion Ratio Lower Upper

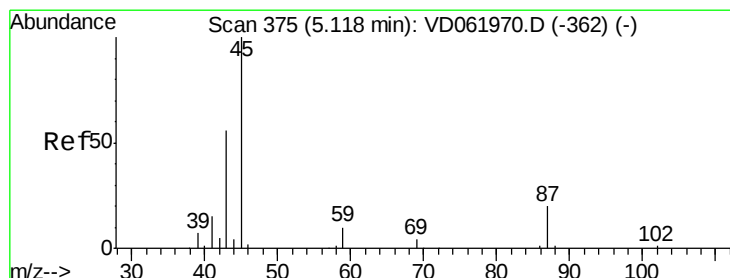
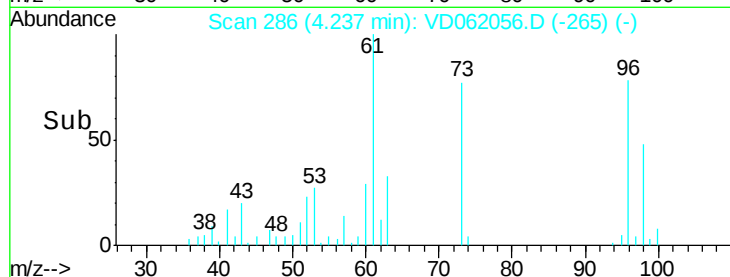
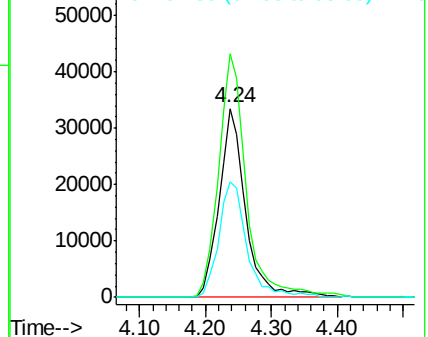
96 100

61 128.9 104.4 156.6

98 61.4 51.8 77.8



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



#22

Diisopropyl ether

Concen: 18.025 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Tgt Ion: 45 Resp: 270667

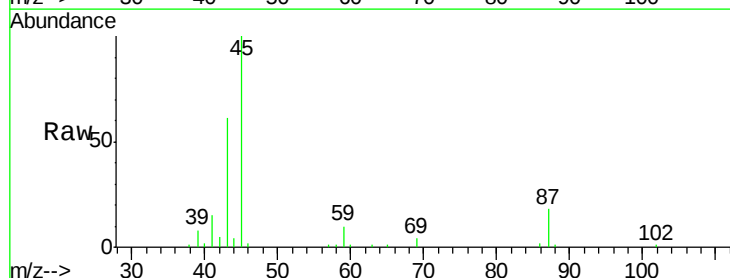
Ion Ratio Lower Upper

45 100

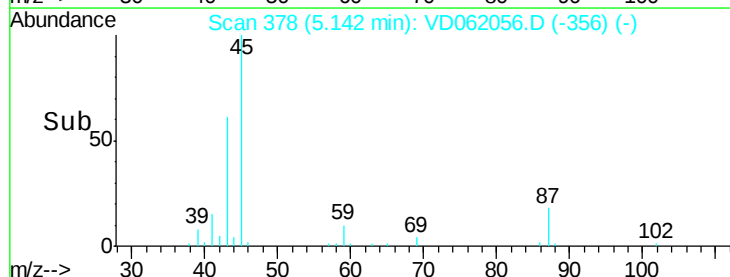
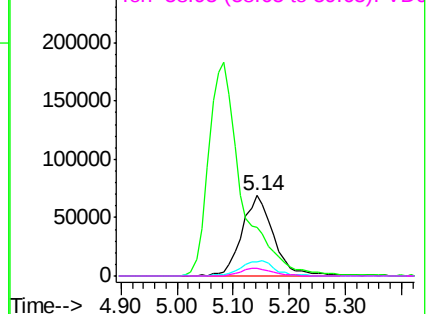
43 61.0 46.2 69.2

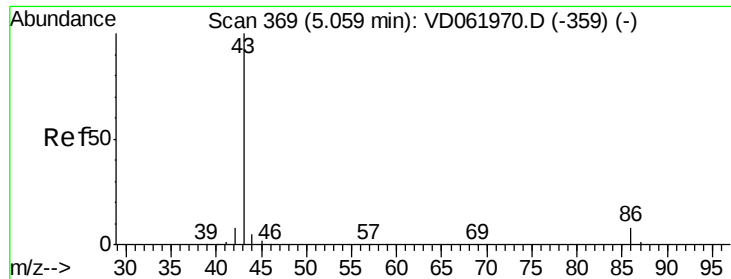
87 18.1 15.9 23.9

59 9.8 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 95.778 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

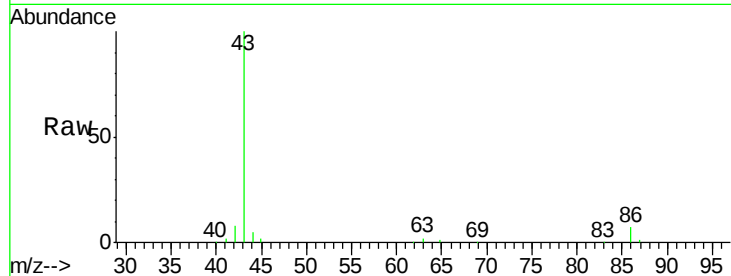
VD0426SBS01

Tot Ion: 43 Resp: 748967

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

200000

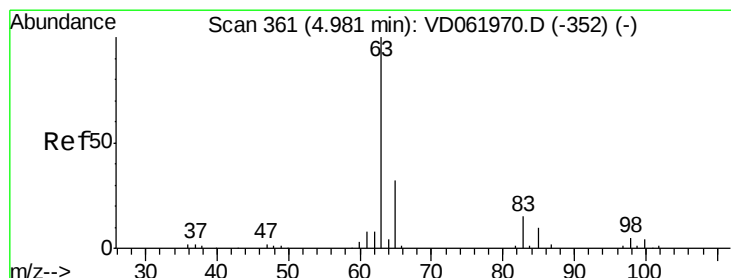
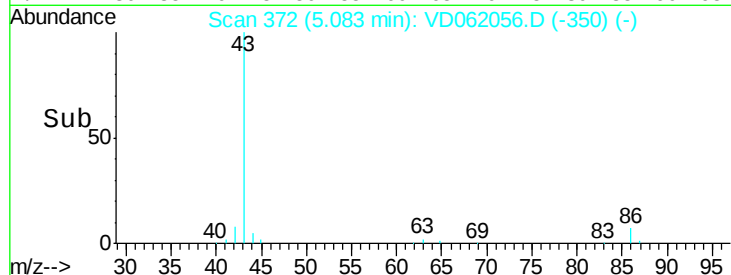
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.486 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

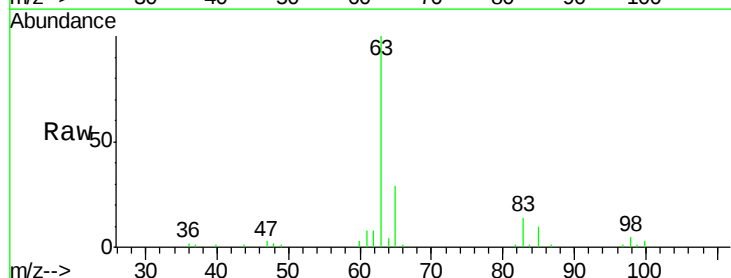
Tgt Ion: 63 Resp: 167779

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

100 2.9 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

5.00

60000

50000

40000

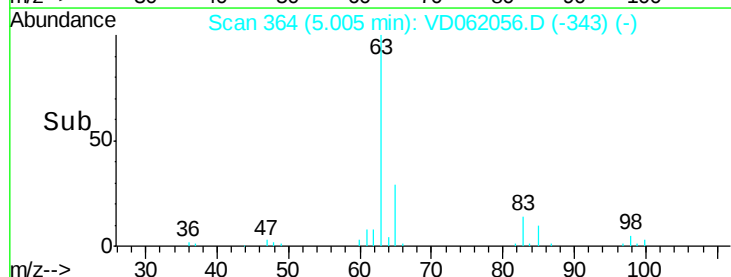
30000

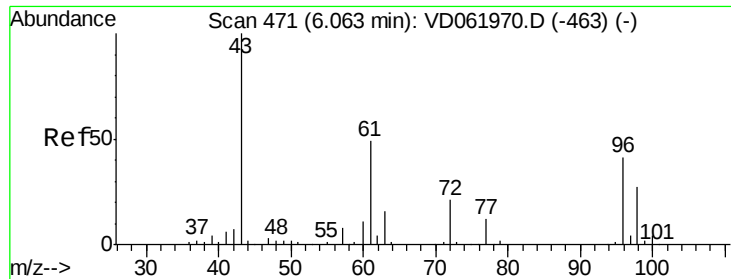
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.034 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

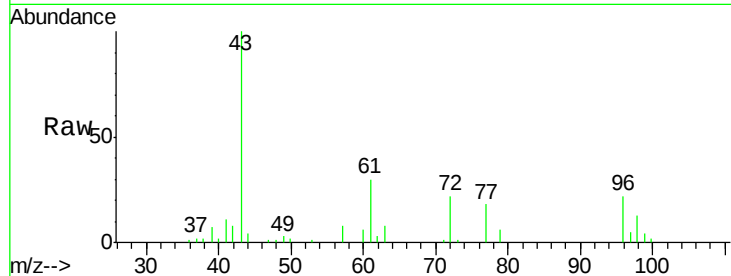
VD0426SBS01

Tot Ion: 43 Resp: 124423

Ion Ratio Lower Upper

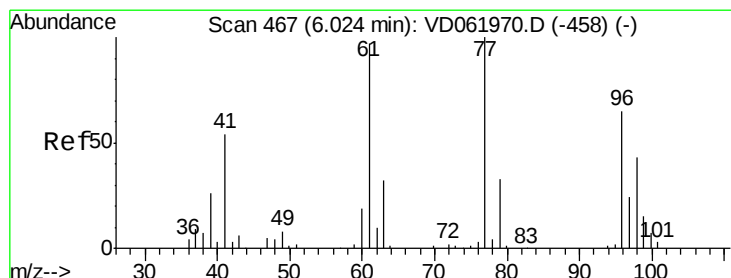
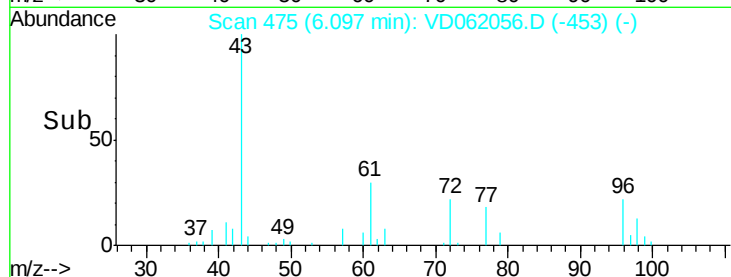
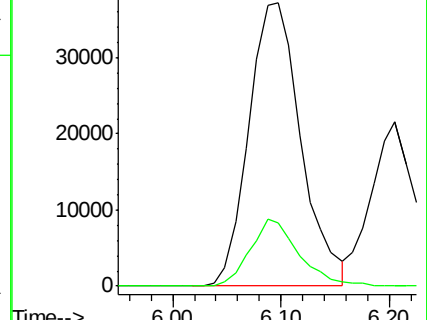
43 100

72 22.1 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.092 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD062056.D

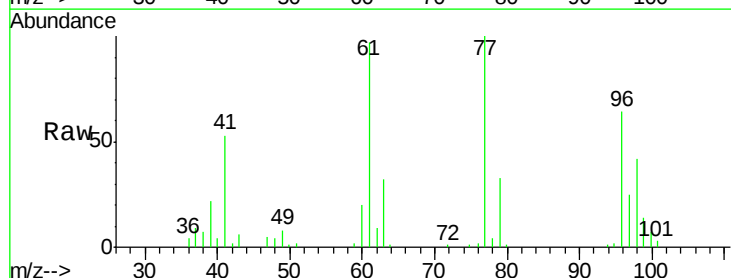
Acq: 26 Apr 2019 12:33

Tgt Ion: 77 Resp: 159080

Ion Ratio Lower Upper

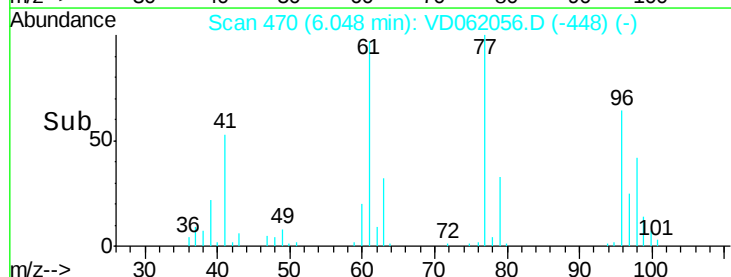
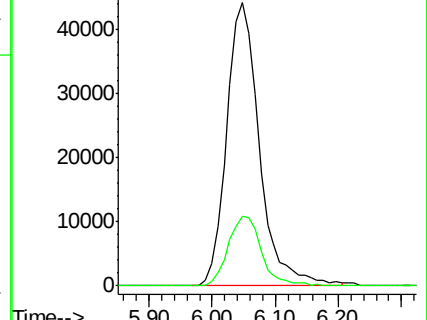
77 100

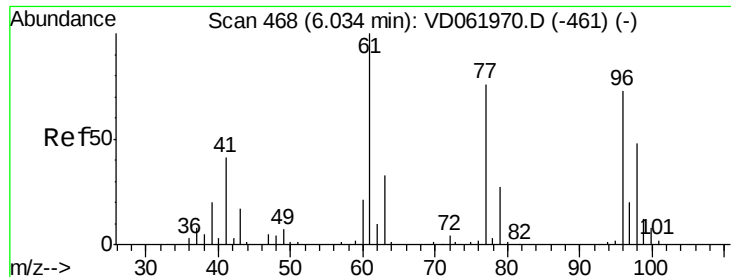
97 24.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



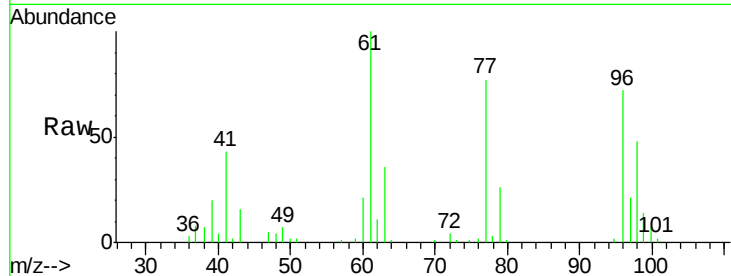


#27

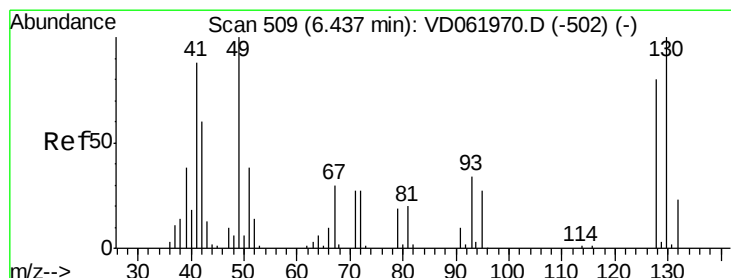
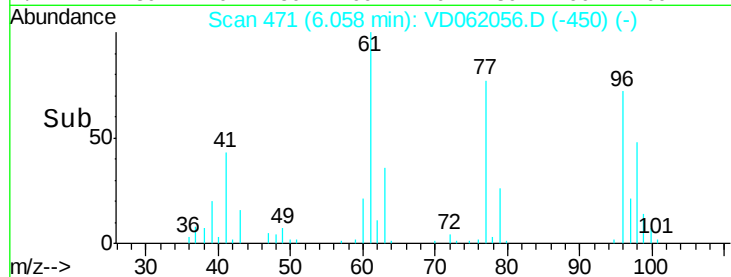
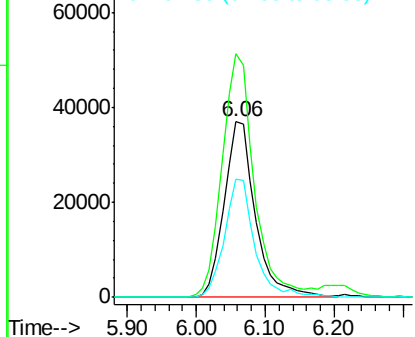
cis-1,2-Dichloroethene
 Concen: 18.942 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

Tot Ion: 96 Resp: 116437
 Ion Ratio Lower Upper
 96 100
 61 138.7 0.0 279.8
 98 67.3 0.0 136.0



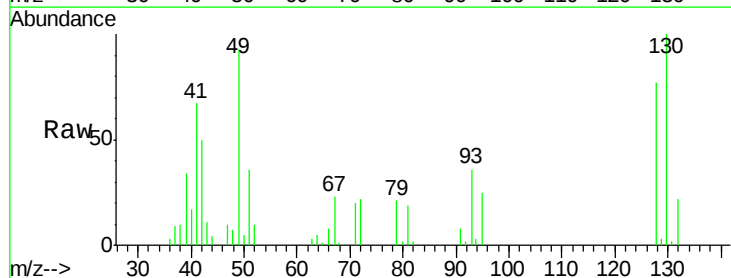
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



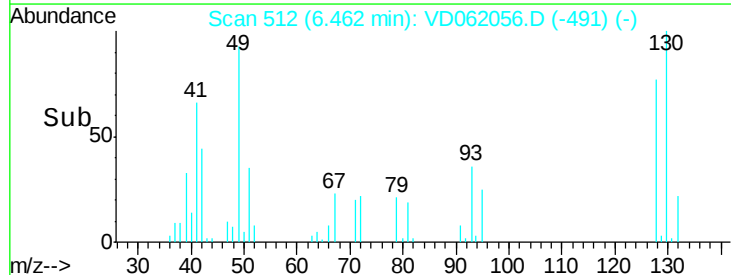
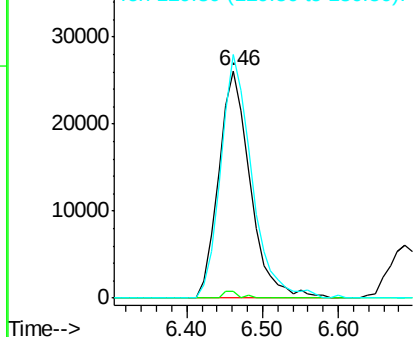
#28

Bromochloromethane
 Concen: 21.735 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion: 49 Resp: 75478
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 6.6
 130 107.1 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 101.743 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

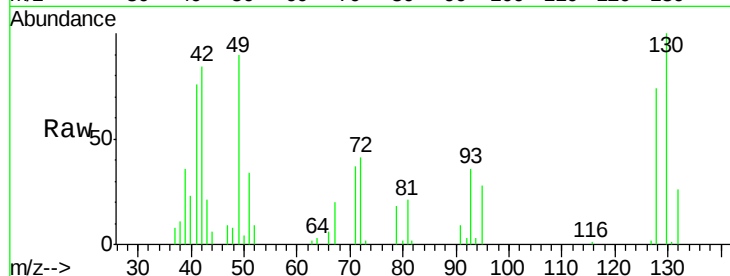
Tot Ion: 42 Resp: 65634

Ion Ratio Lower Upper

42 100

72 45.5 37.8 56.6

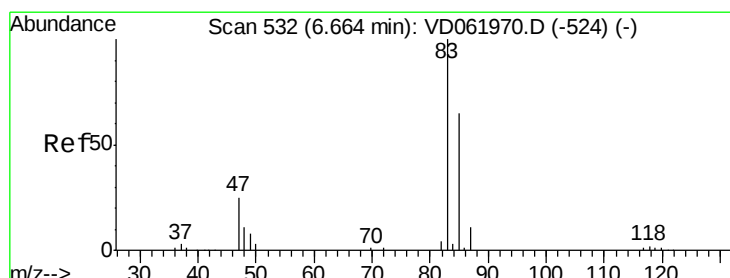
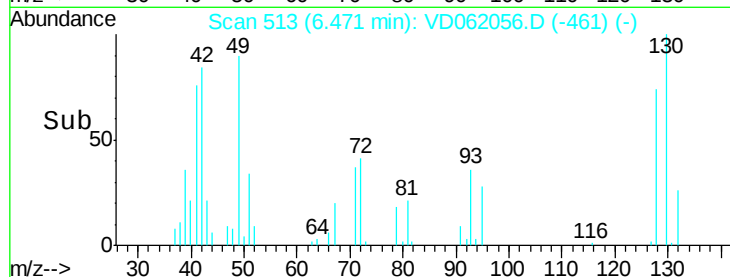
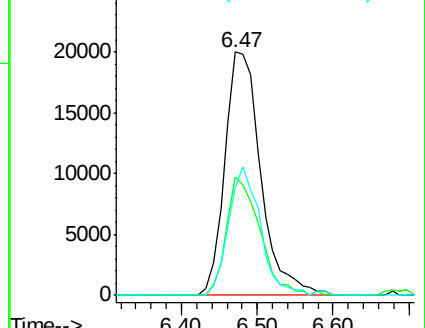
71 46.3 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.344 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.01 min

Lab File: VD062056.D

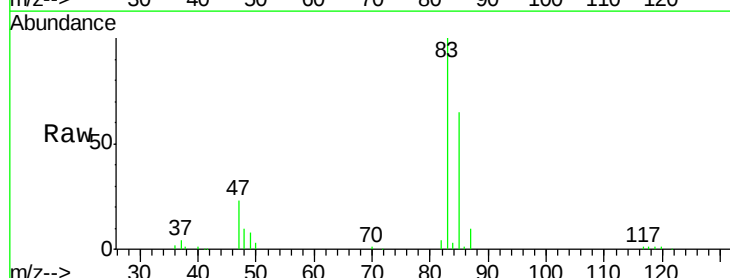
Acq: 26 Apr 2019 12:33

Tgt Ion: 83 Resp: 209719

Ion Ratio Lower Upper

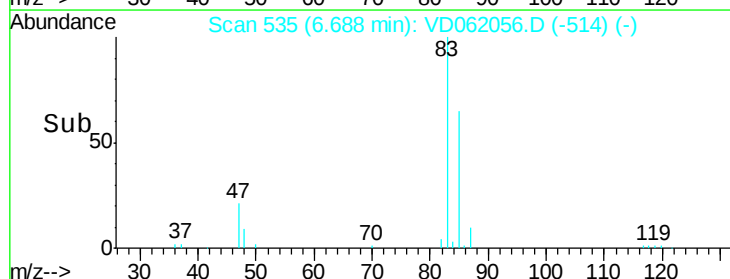
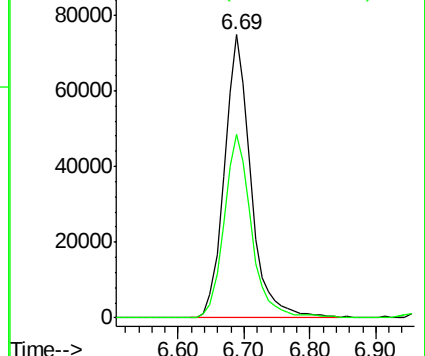
83 100

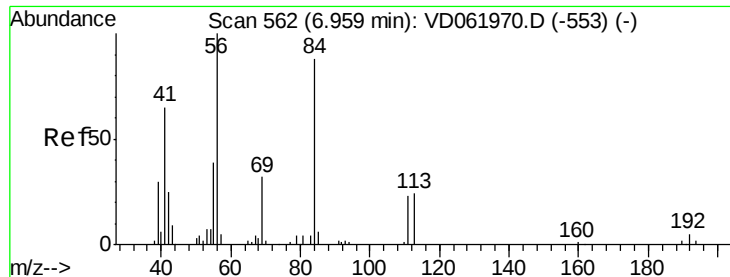
85 64.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

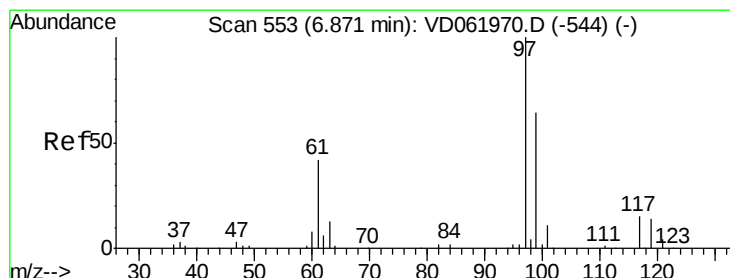
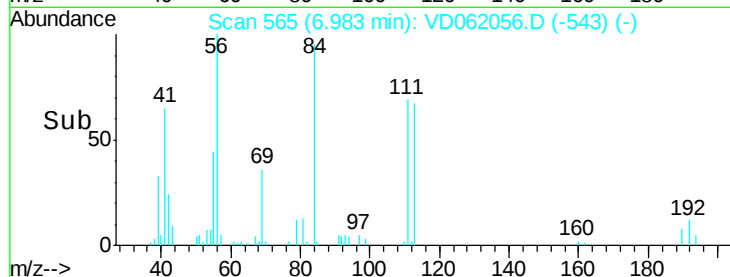
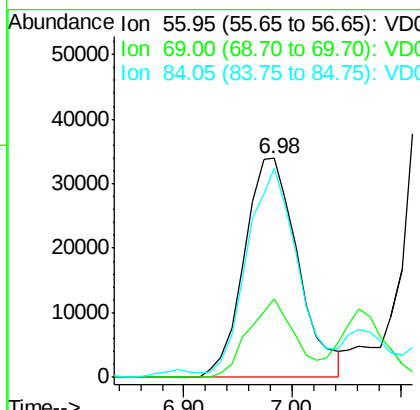
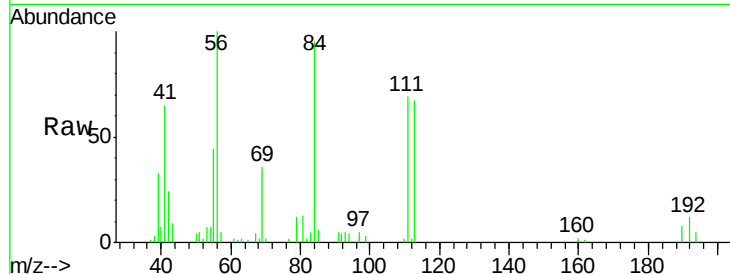




#31
Cyclohexane
Concen: 17.352 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

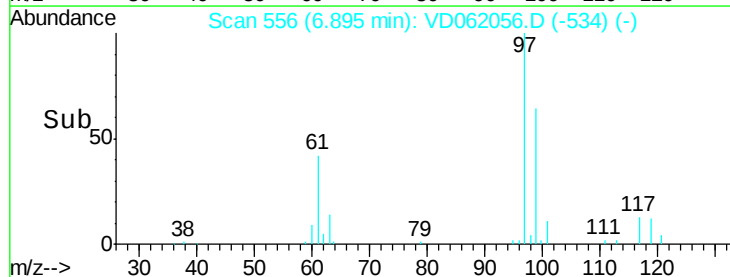
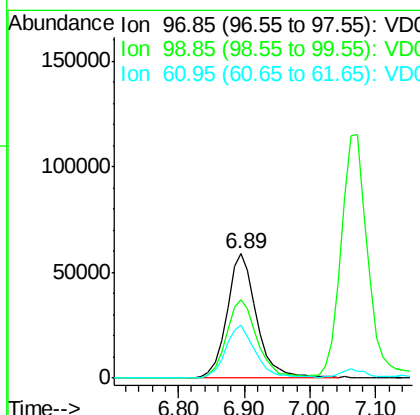
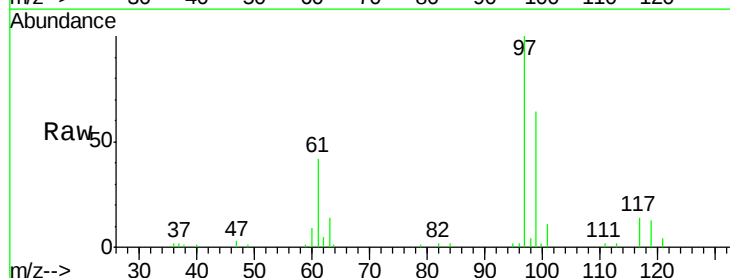
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

Tot Ion: 56 Resp: 116894
Ion Ratio Lower Upper
56 100
69 35.9 25.8 38.6
84 95.1 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.611 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion: 97 Resp: 184869
Ion Ratio Lower Upper
97 100
99 63.5 52.2 78.2
61 42.3 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 55.533 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

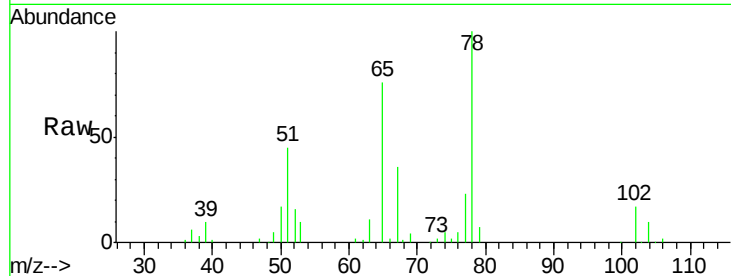
VD0426SBSD01

Tot Ion: 65 Resp: 251153

Ion Ratio Lower Upper

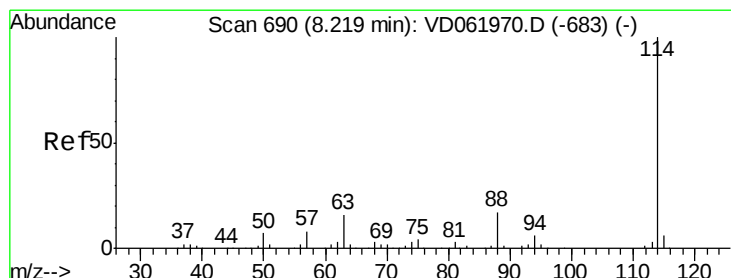
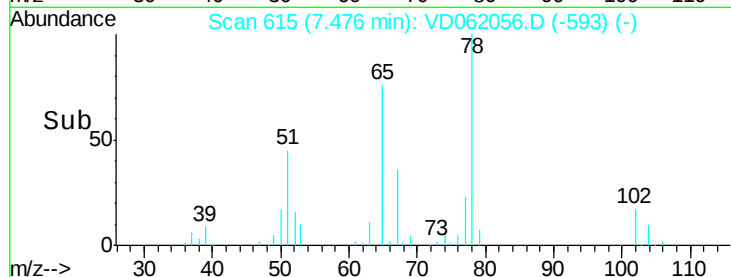
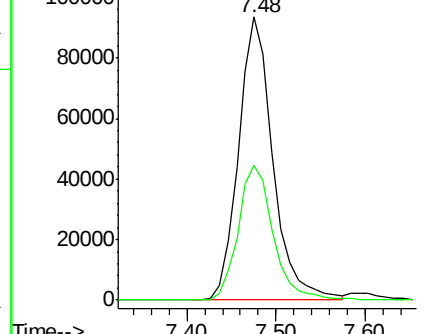
65 100

67 47.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

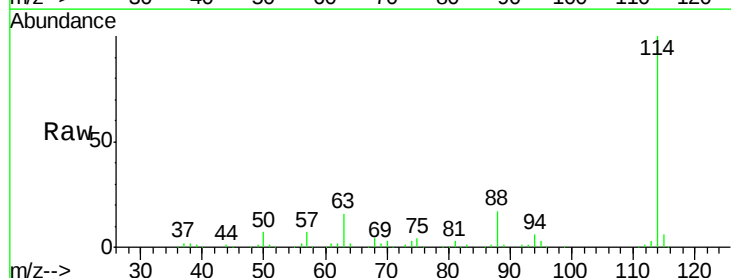
Tgt Ion: 114 Resp: 858664

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.4

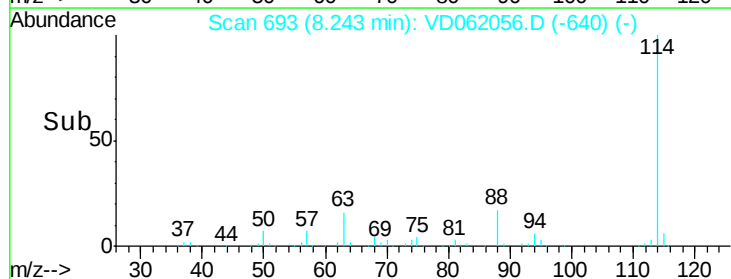
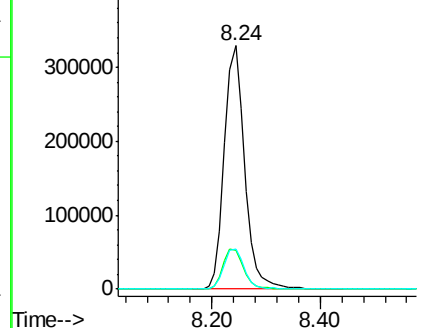
88 16.7 0.0 33.6

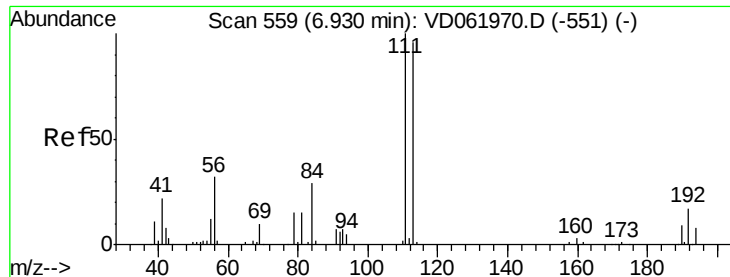


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 58.875 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBSD01

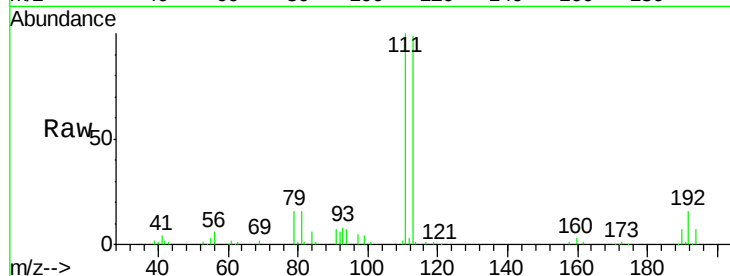
Tot Ion:113 Resp: 349629

Ion Ratio Lower Upper

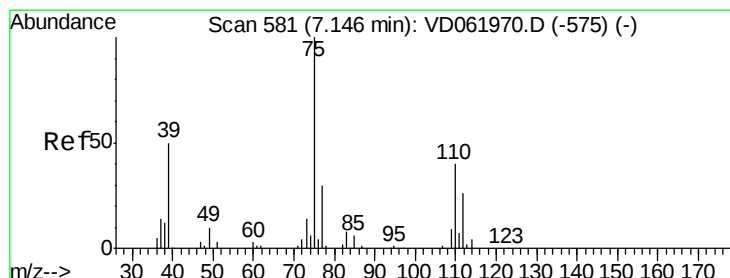
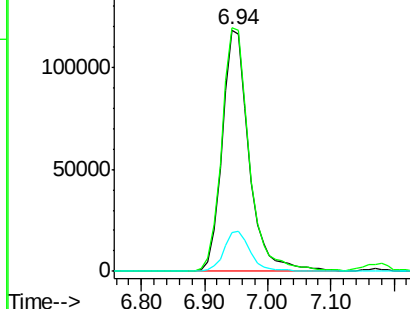
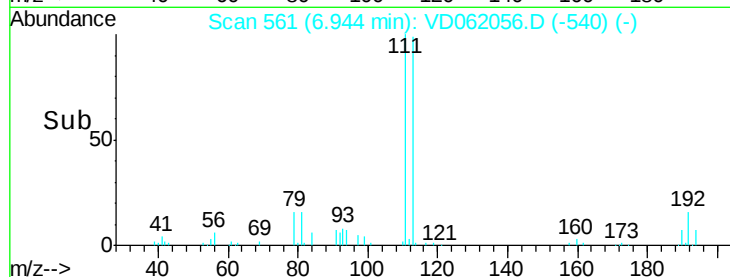
113 100

111 100.9 78.5 117.7

192 16.0 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 22.883 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

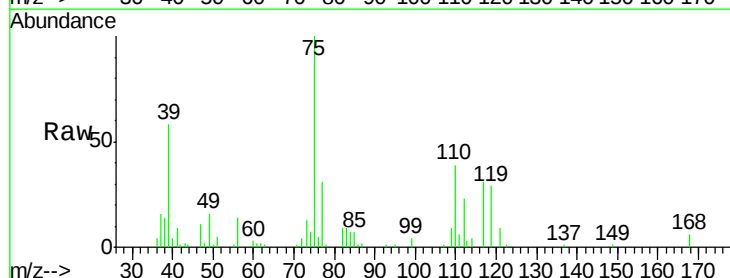
Tgt Ion: 75 Resp: 153086

Ion Ratio Lower Upper

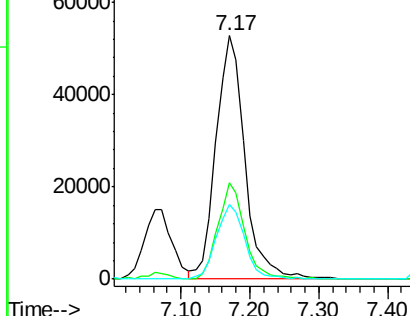
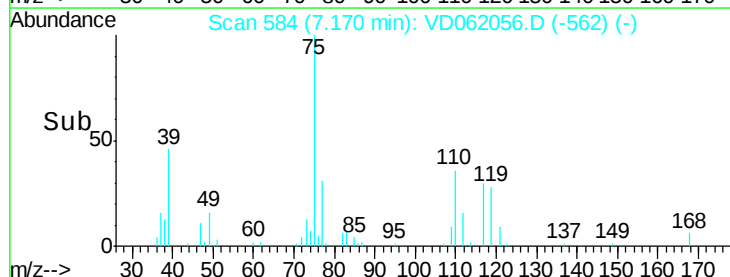
75 100

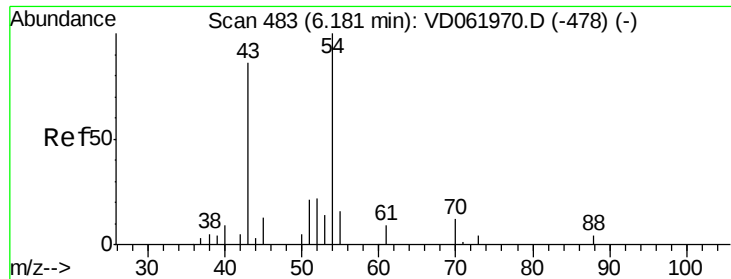
110 39.4 19.1 57.1

77 30.7 25.6 38.4



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

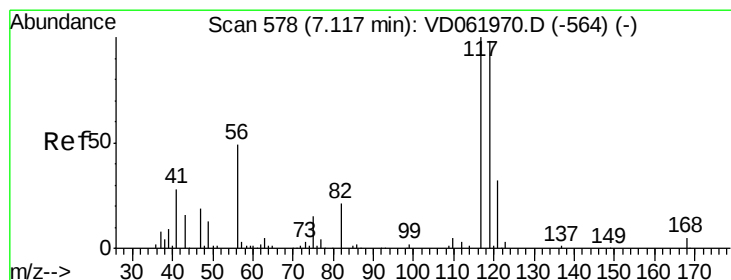
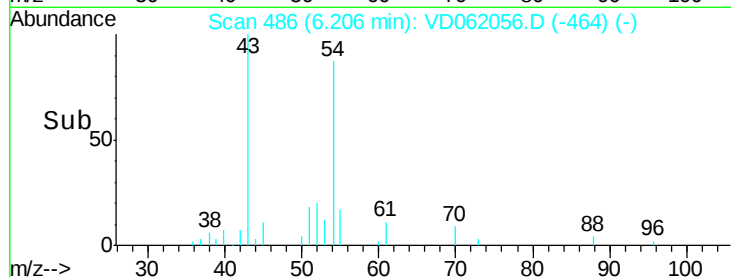
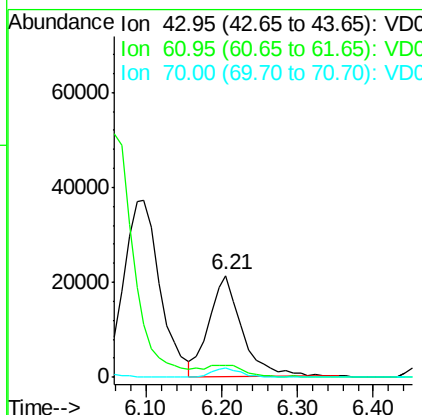
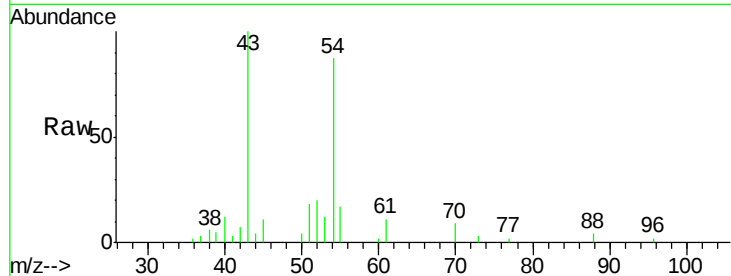




#37
Ethyl Acetate
Concen: 22.683 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

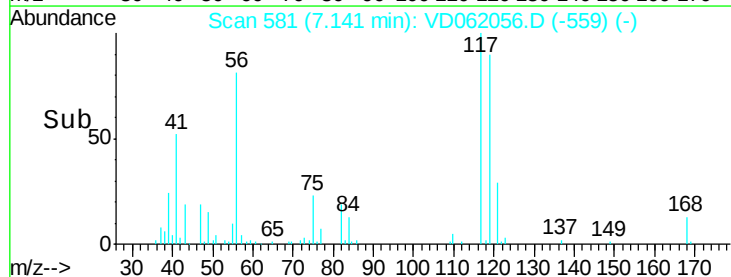
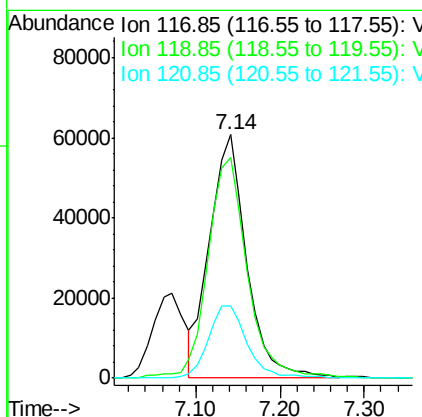
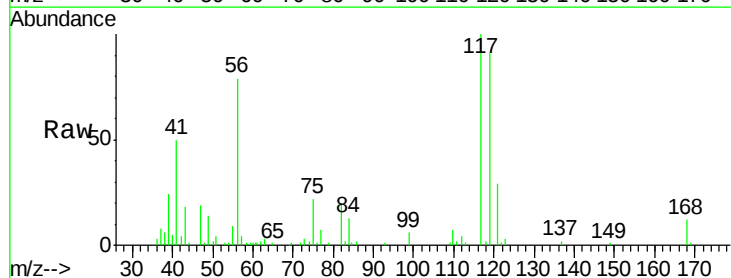
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

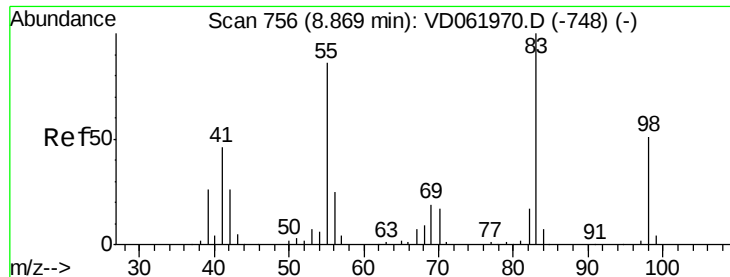
Tot Ion: 43 Resp: 64666
Ion Ratio Lower Upper
43 100
61 11.1 14.7 22.1#
70 8.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 21.917 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion: 117 Resp: 185797
Ion Ratio Lower Upper
117 100
119 90.6 75.8 113.8
121 29.5 25.9 38.9





#39

Methvlcvclohexane

Concen: 20.396 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBSD01

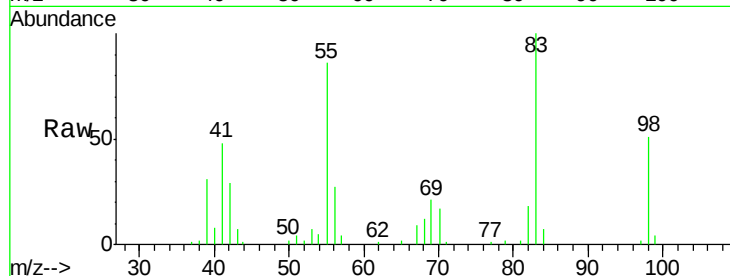
Tot Ion: 83 Resp: 134622

Ion Ratio Lower Upper

83 100

55 86.4 68.2 102.4

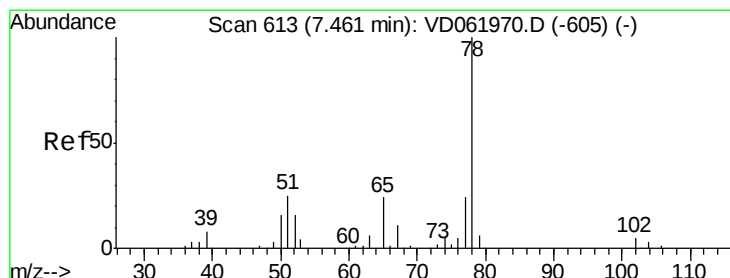
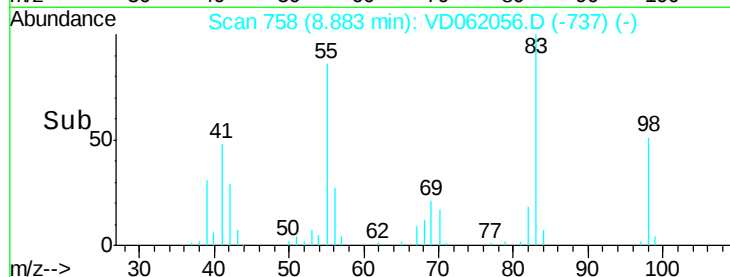
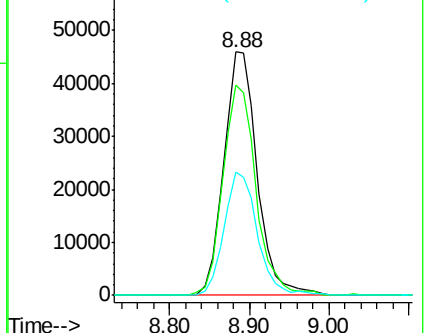
98 50.6 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.152 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.01 min

Lab File: VD062056.D

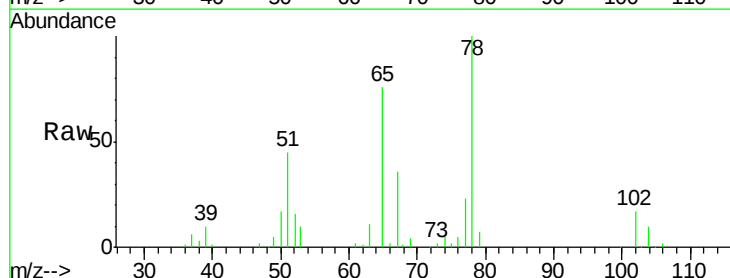
Acq: 26 Apr 2019 12:33

Tgt Ion: 78 Resp: 350322

Ion Ratio Lower Upper

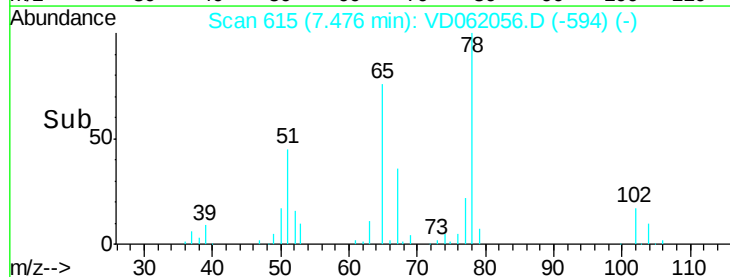
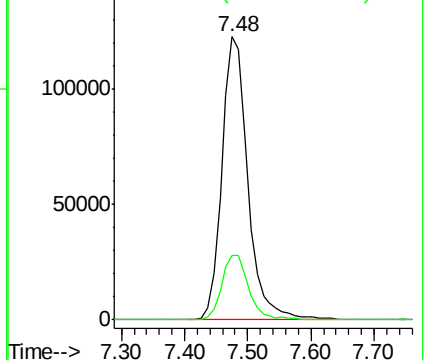
78 100

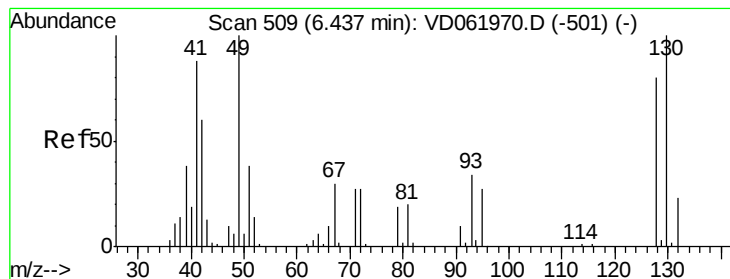
77 22.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.577 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

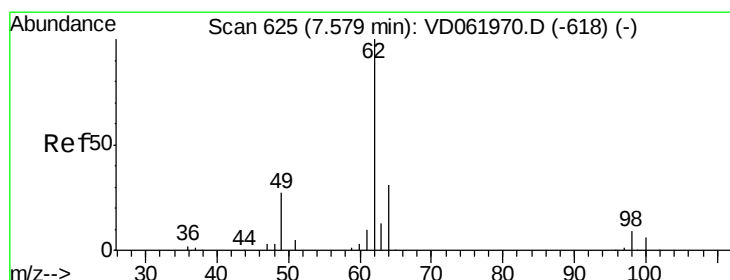
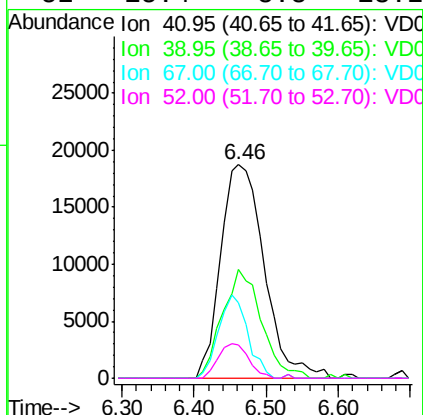
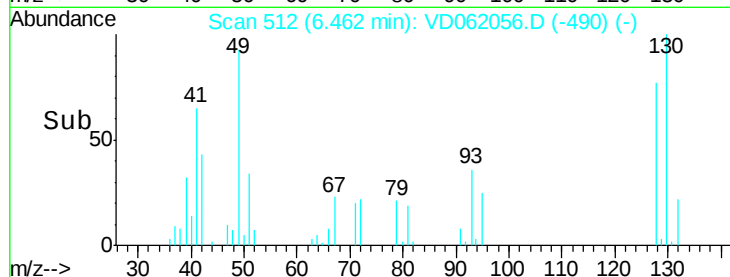
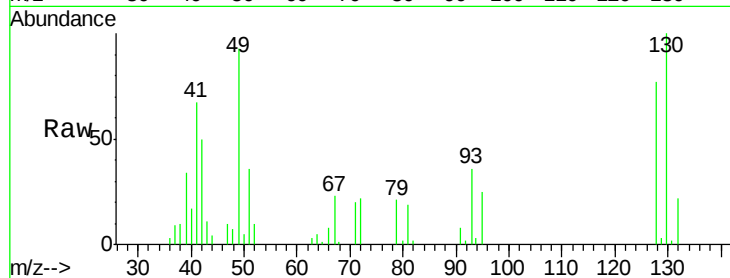
ClientSampleId :

VD0426SBSD01

Tot Ion: 41 Resp: 78423

Ion Ratio Lower Upper

41	100		
39	50.9	34.1	51.1
67	35.1	23.8	35.6
52	15.4	8.8	13.2#



#42

1,2-Dichloroethane

Concen: 22.718 ug/l

RT: 7.60 min Scan# 628

Delta R.T. 0.02 min

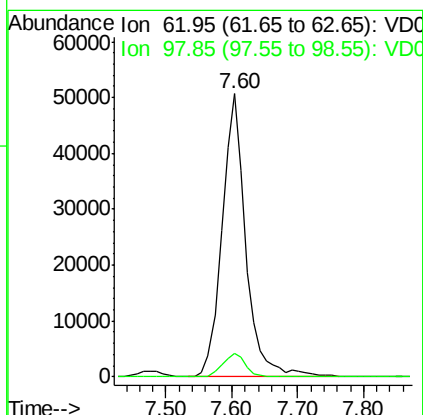
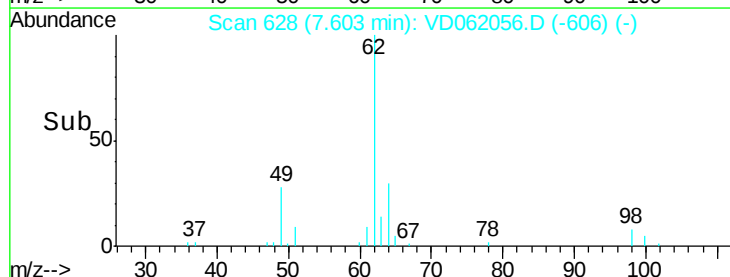
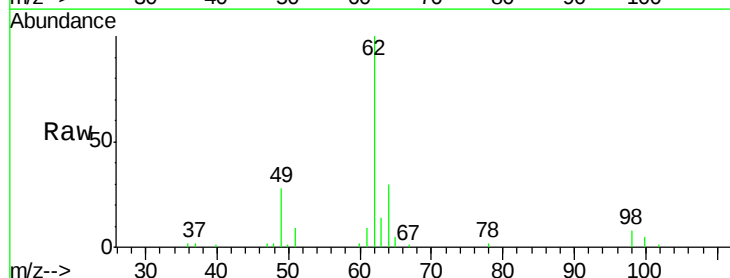
Lab File: VD062056.D

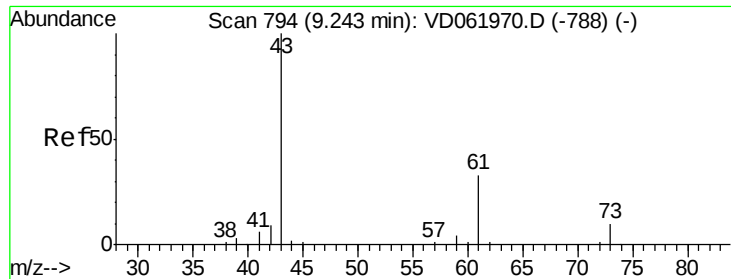
Acq: 26 Apr 2019 12:33

Tgt Ion: 62 Resp: 127752

Ion Ratio Lower Upper

62	100		
98	8.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 21.221 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

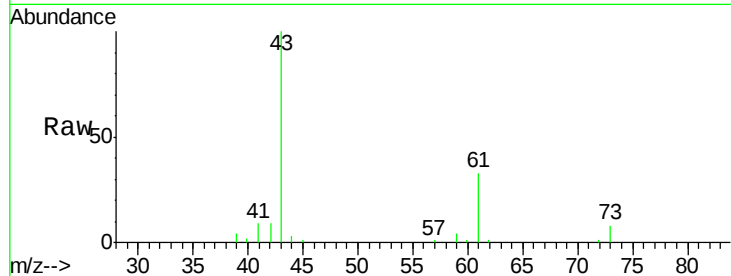
Tot Ion: 43 Resp: 88393

Ion Ratio Lower Upper

43 100

61 33.4 25.1 37.7

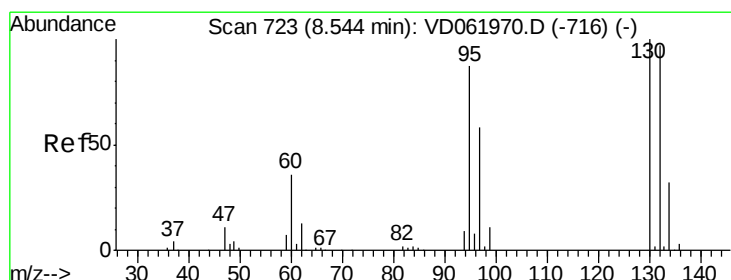
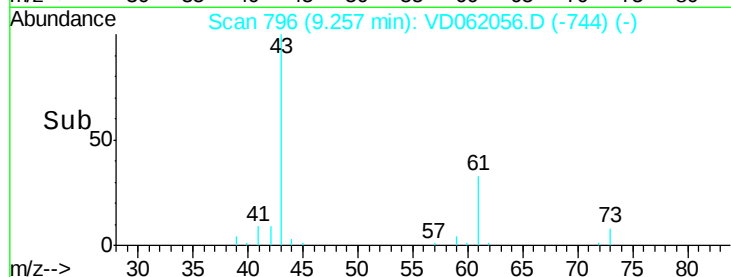
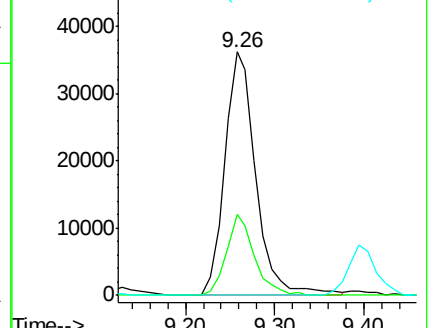
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.902 ug/l

RT: 8.57 min Scan# 726

Delta R.T. 0.02 min

Lab File: VD062056.D

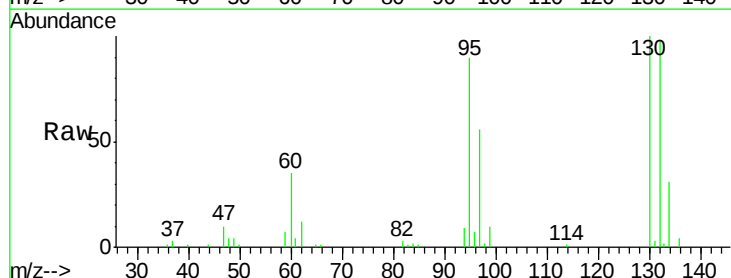
Acq: 26 Apr 2019 12:33

Tgt Ion: 130 Resp: 134210

Ion Ratio Lower Upper

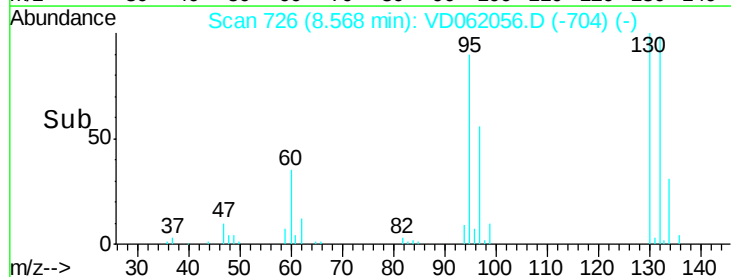
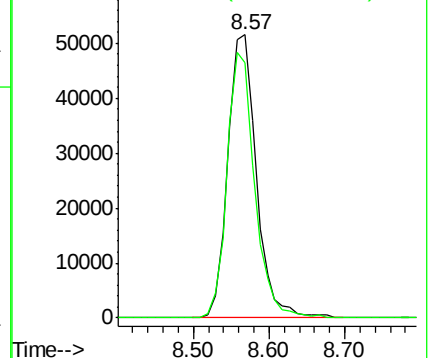
130 100

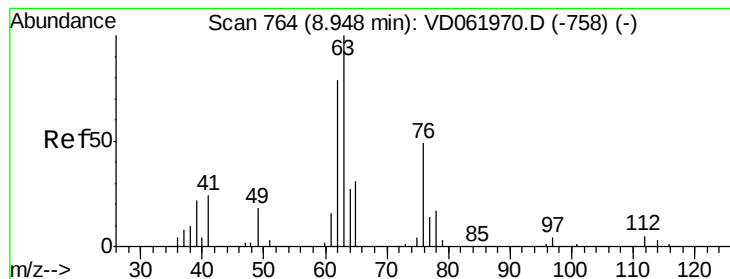
95 90.3 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.943 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

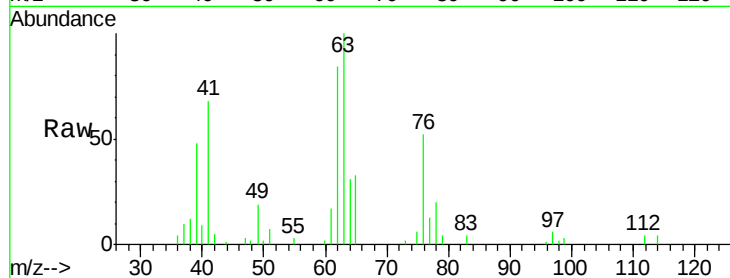
VD0426SBS01

Tot Ion: 63 Resp: 83794

Ion Ratio Lower Upper

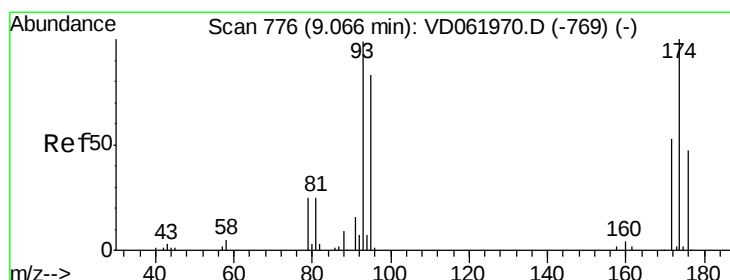
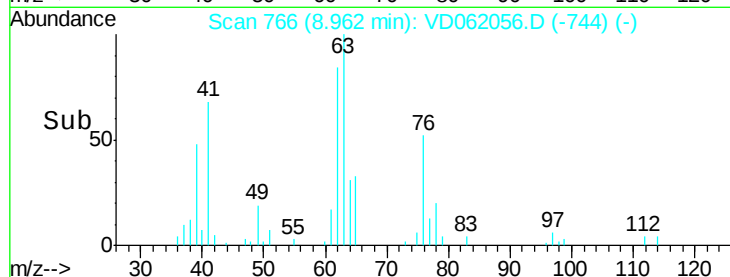
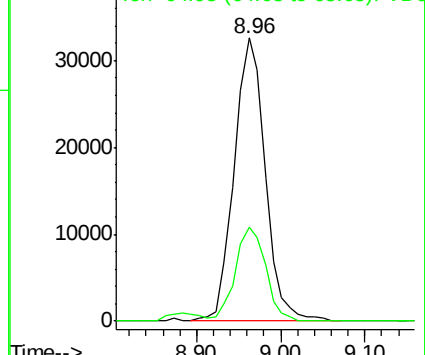
63 100

65 33.0 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.148 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

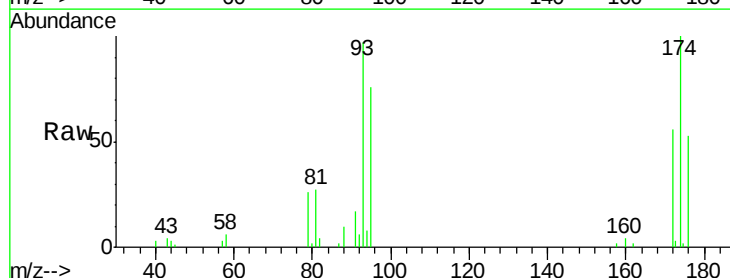
Tgt Ion: 93 Resp: 66959

Ion Ratio Lower Upper

93 100

95 78.7 64.8 97.2

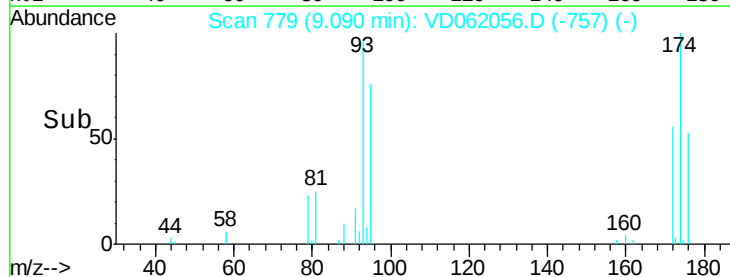
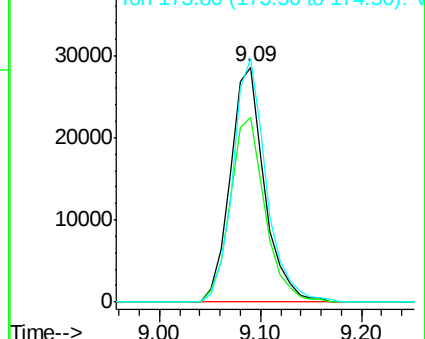
174 103.5 79.3 118.9

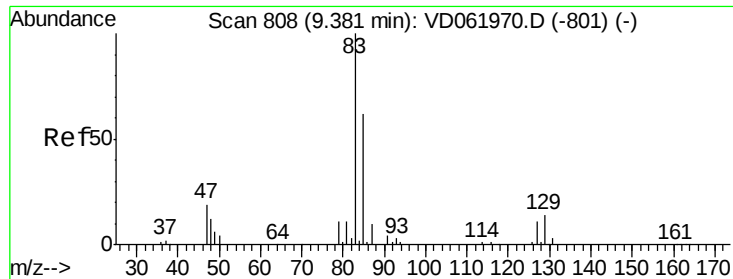


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.817 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

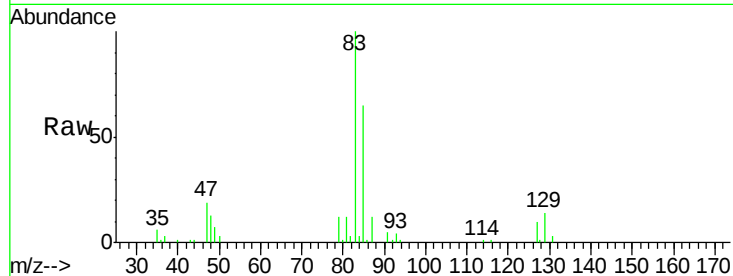
Tot Ion: 83 Resp: 148709

Ion Ratio Lower Upper

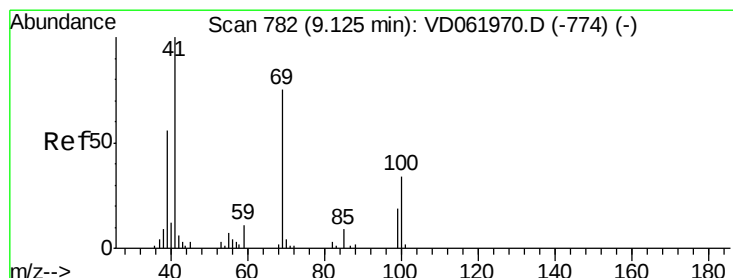
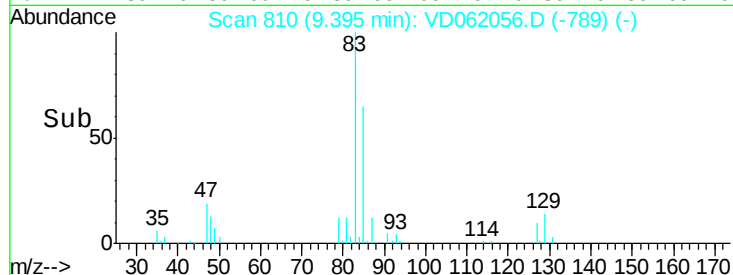
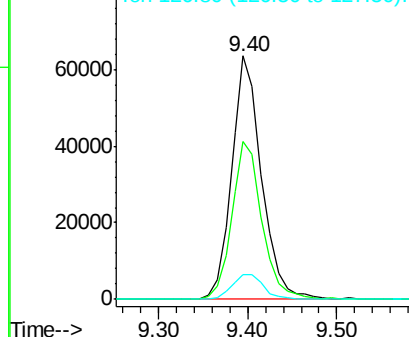
83 100

85 65.1 50.9 76.3

127 10.2 8.1 12.1



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



#48

Methyl methacrylate

Concen: 22.607 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

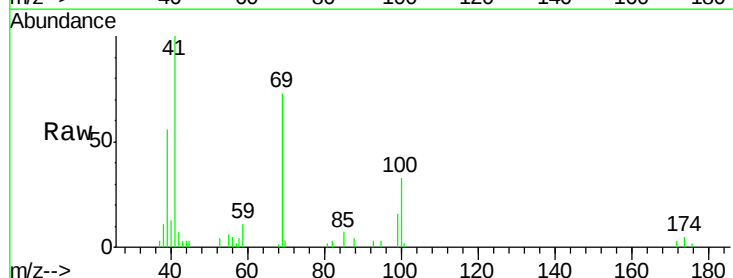
Tgt Ion: 41 Resp: 53727

Ion Ratio Lower Upper

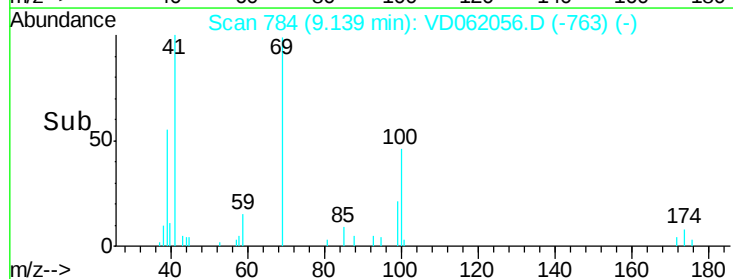
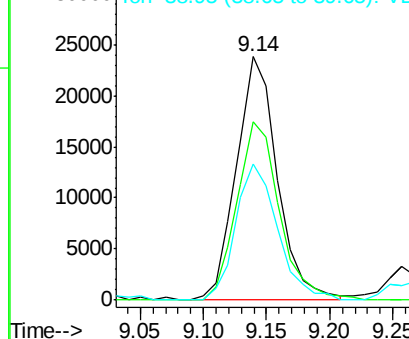
41 100

69 73.1 64.2 96.2

39 55.9 46.8 70.2



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

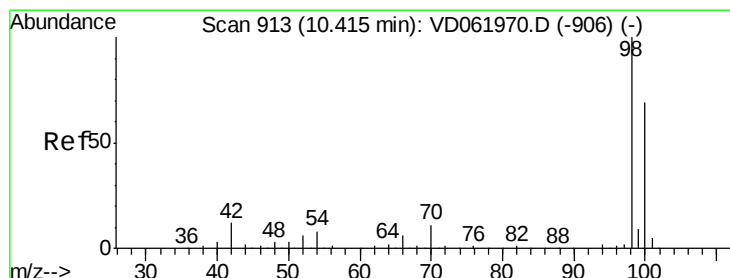
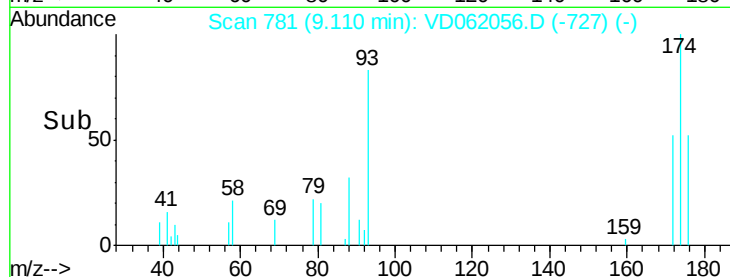
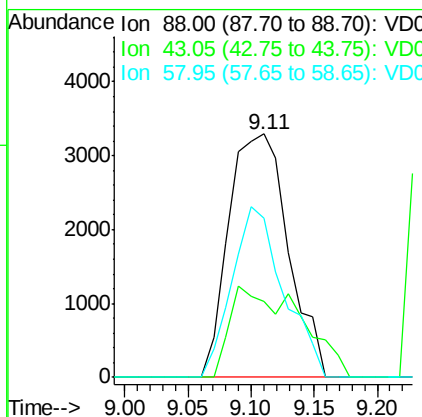
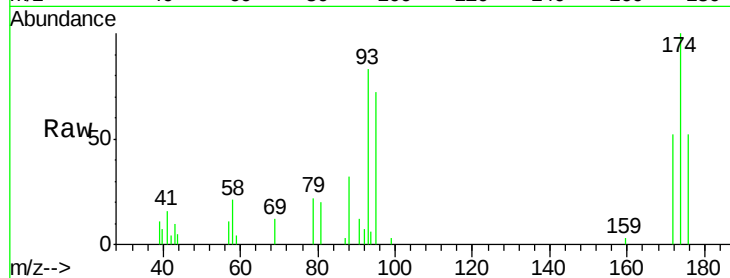




#49
 1,4-Dioxane
 Concen: 420.213 ug/l
 RT: 9.11 min Scan# 781
 Delta R.T. 0.03 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

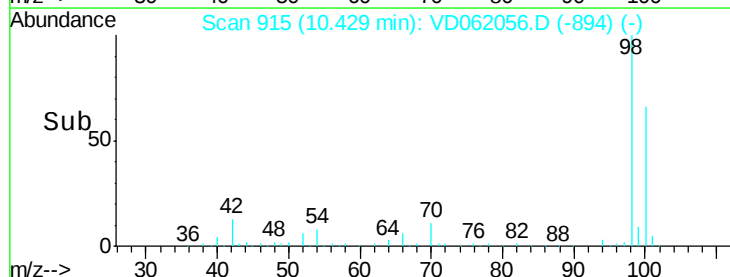
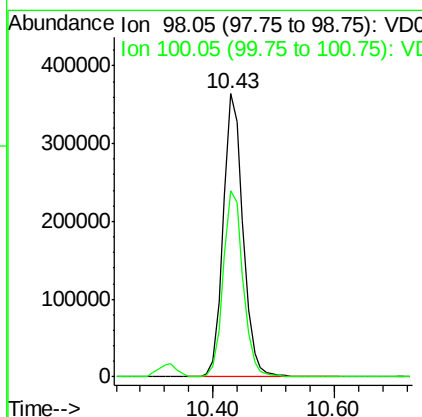
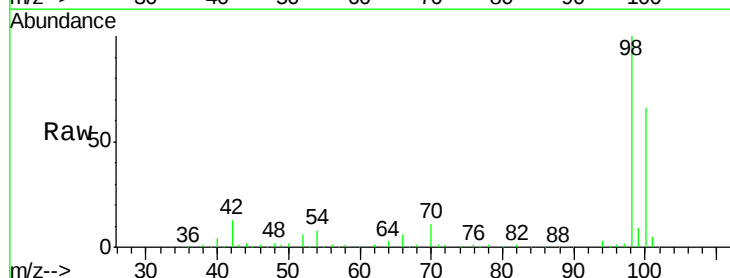
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

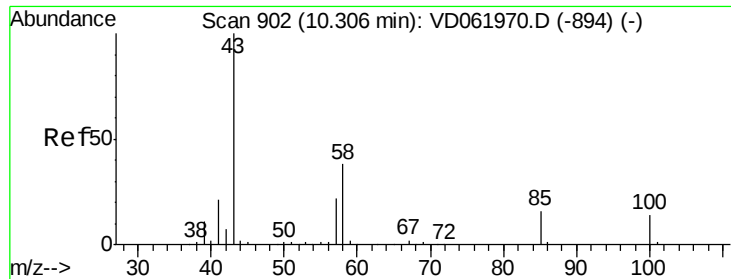
Tot Ion: 88 Resp: 10767
 Ion Ratio Lower Upper
 88 100
 43 31.0 23.4 35.0
 58 65.2 44.0 66.0



#50
 Toluene-d8
 Concen: 58.488 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion: 98 Resp: 826466
 Ion Ratio Lower Upper
 98 100
 100 65.5 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 113.407 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleID :

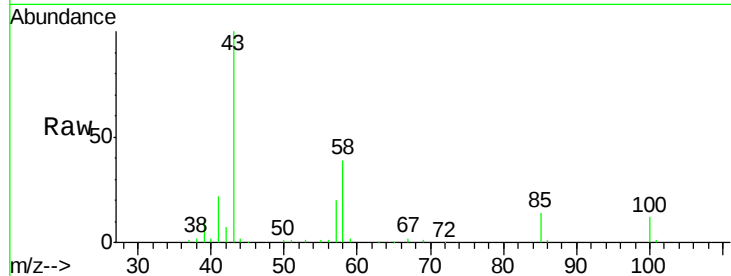
VD0426SBS01

Tot Ion: 43 Resp: 288894

Ion Ratio Lower Upper

43 100

58 38.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

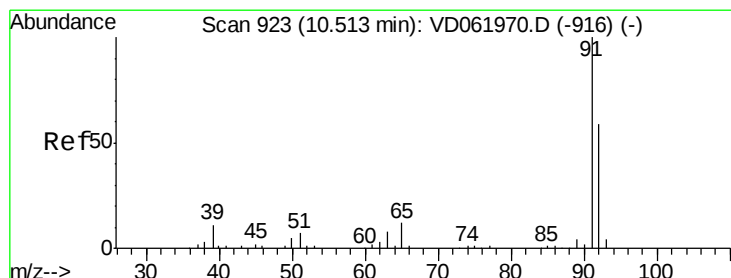
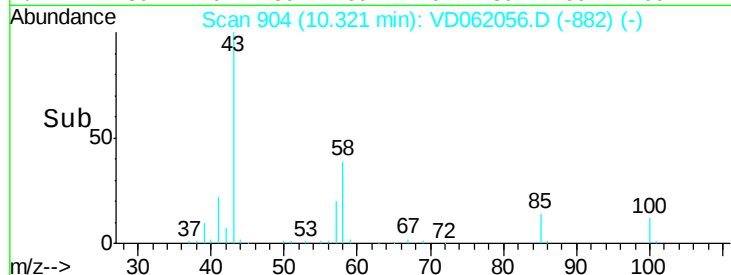
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 20.063 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.02 min

Lab File: VD062056.D

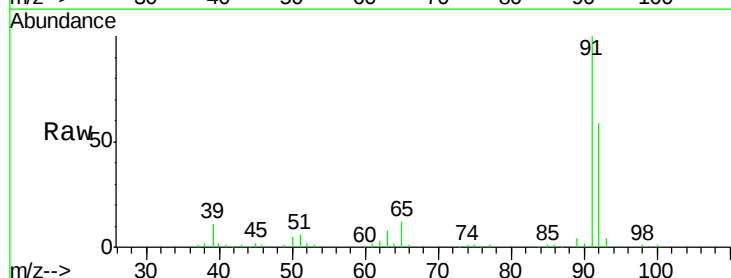
Acq: 26 Apr 2019 12:33

Tgt Ion: 92 Resp: 211864

Ion Ratio Lower Upper

92 100

91 169.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.54

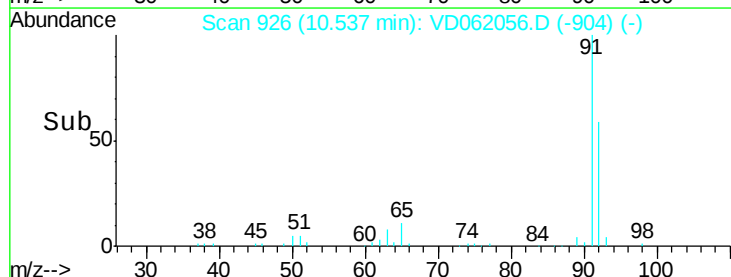
150000

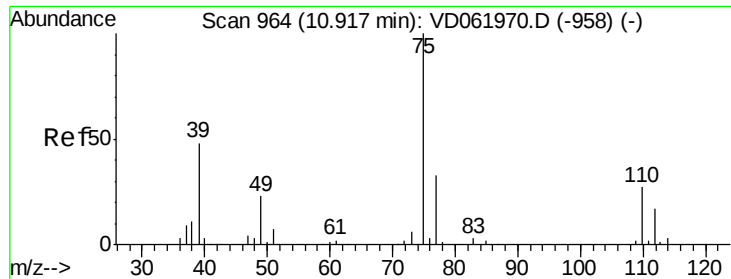
100000

50000

0

Time--> 10.40 10.50 10.60 10.70

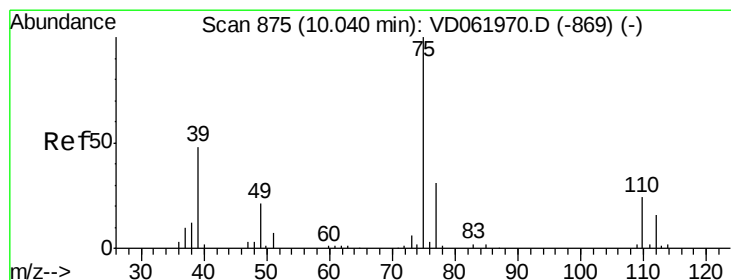
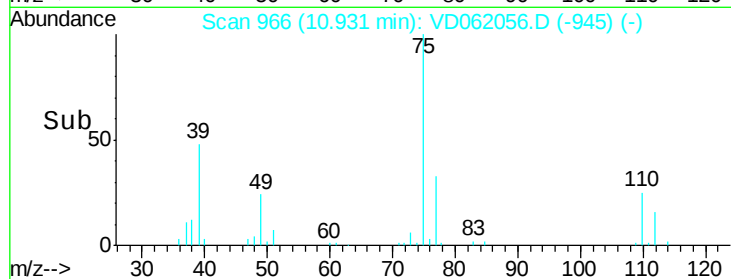
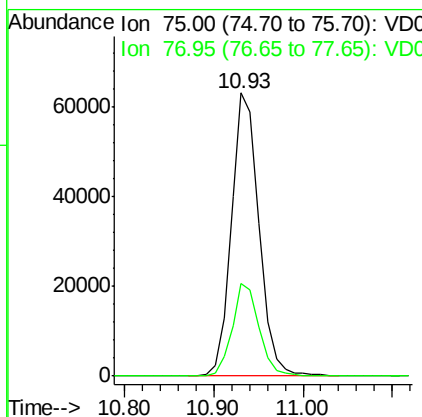
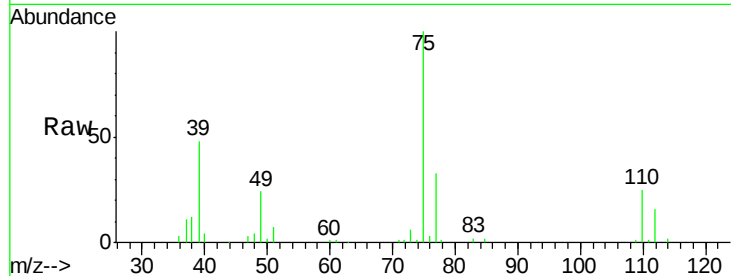




#53
 t-1,3-Dichloropropene
 Concen: 22.714 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

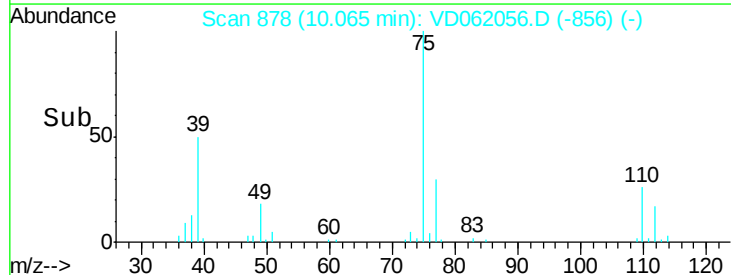
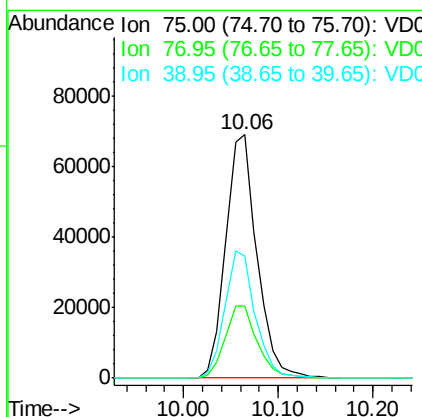
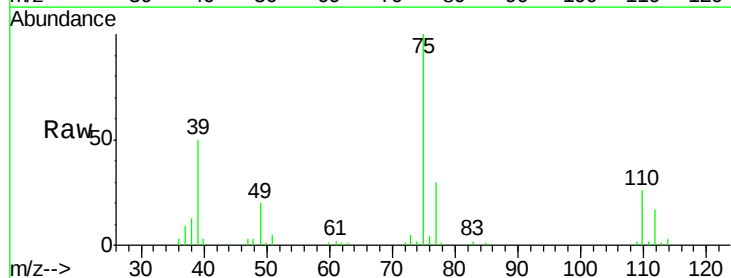
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

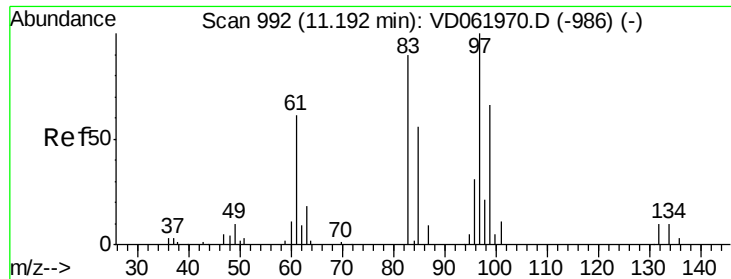
Tot Ion: 75 Resp: 136194
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.669 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.02 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion: 75 Resp: 158031
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.5 38.3
 39 50.0 39.4 59.2

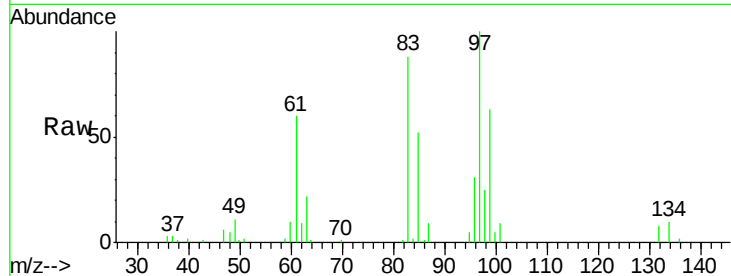




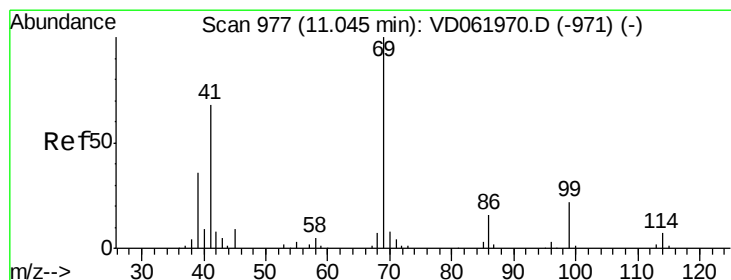
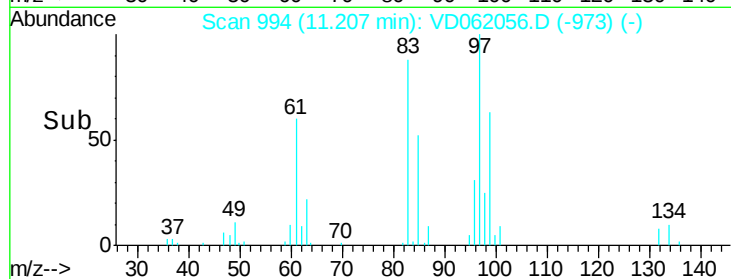
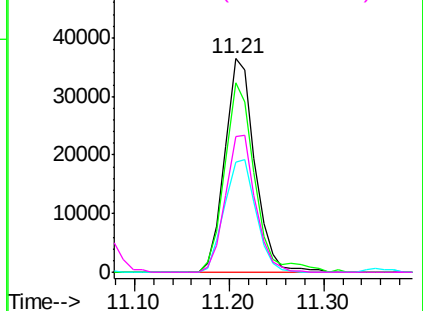
#55
 1,1,2-Trichloroethane
 Concen: 22.591 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

Tot Ion:	97	Resp:	80090
Ion	Ratio	Lower	Upper
97	100		
83	88.4	65.7	98.5
85	51.7	45.6	68.4
99	63.4	48.4	72.6

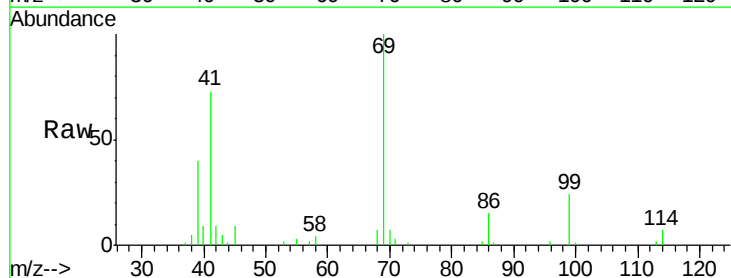


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

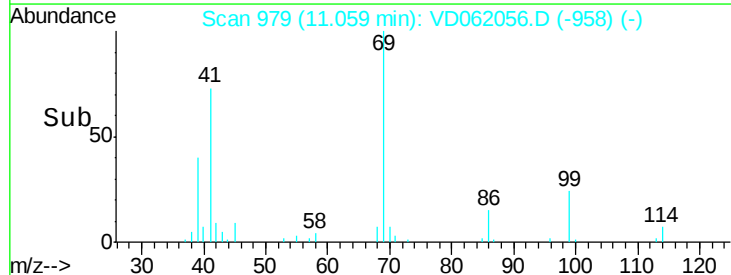
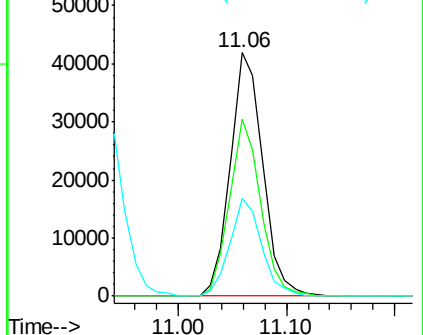


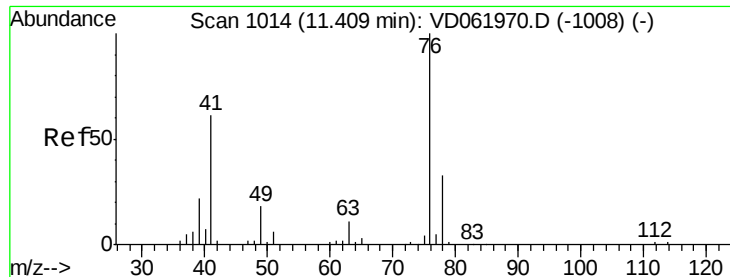
#56
 Ethyl methacrylate
 Concen: 22.274 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion:	69	Resp:	87461
Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.3	84.5
39	39.9	29.4	44.2



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

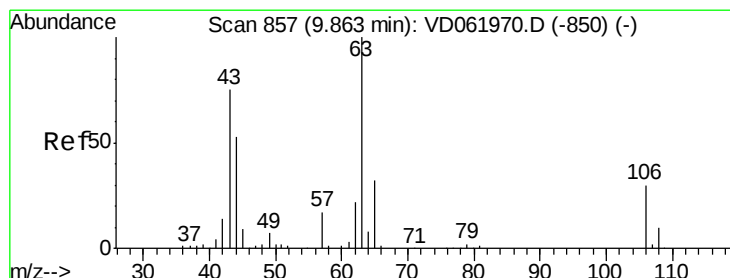
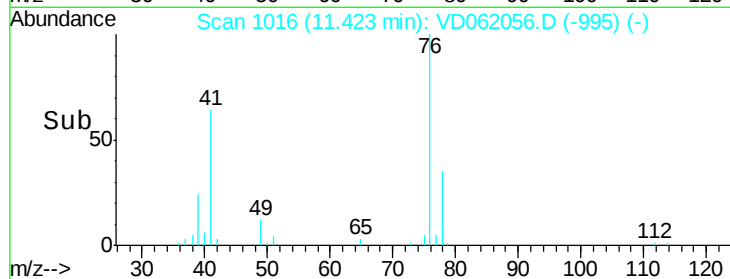
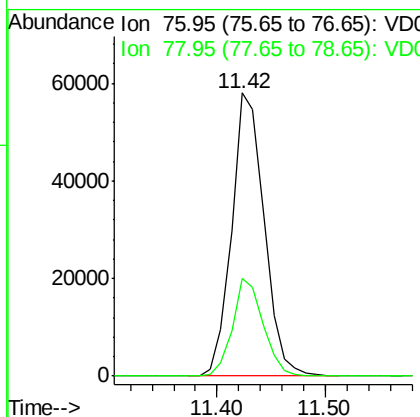
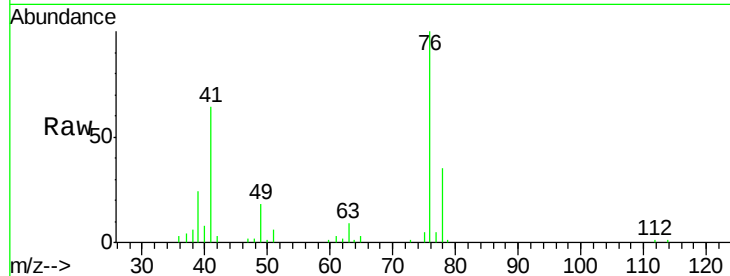




#57
 1,3-Dichloropropane
 Concen: 22.088 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

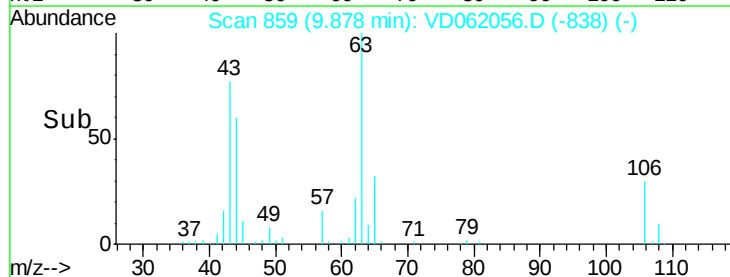
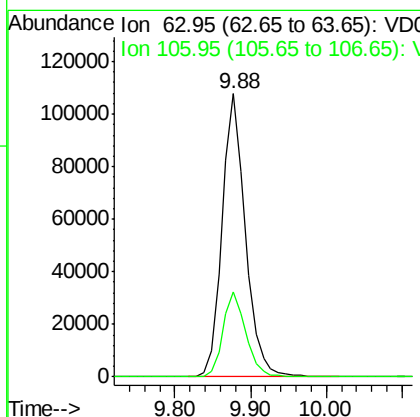
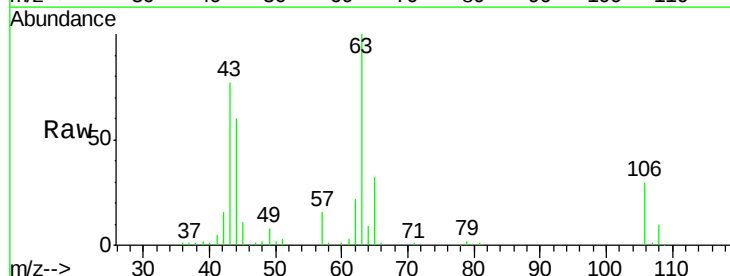
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

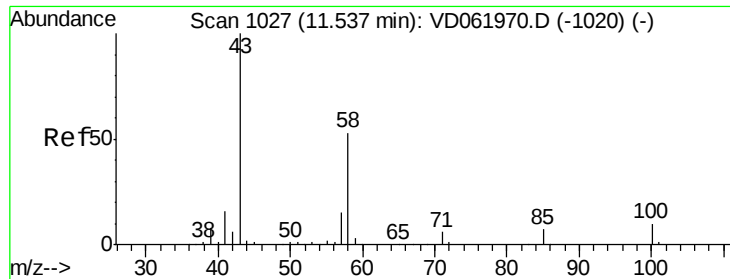
Tot Ion: 76 Resp: 120946
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 126.036 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion: 63 Resp: 230086
 Ion Ratio Lower Upper
 63 100
 106 29.9 22.6 34.0

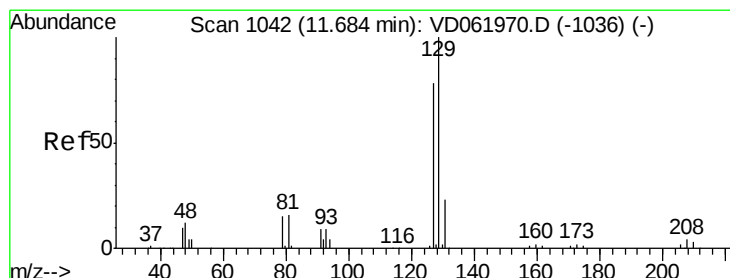
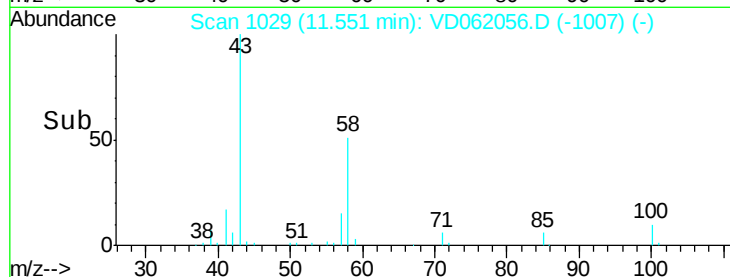
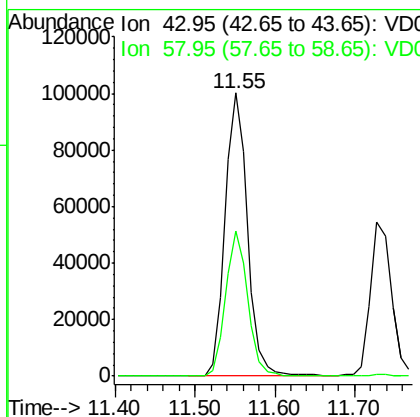
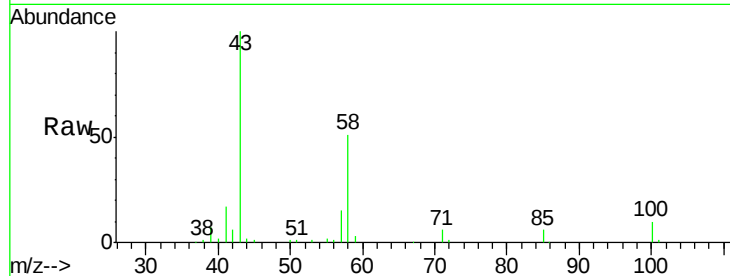




#59
2-Hexanone
Concen: 104.324 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

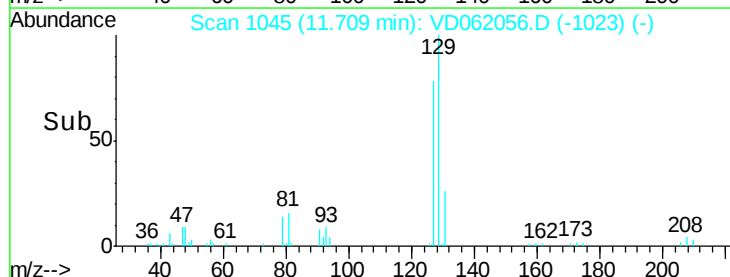
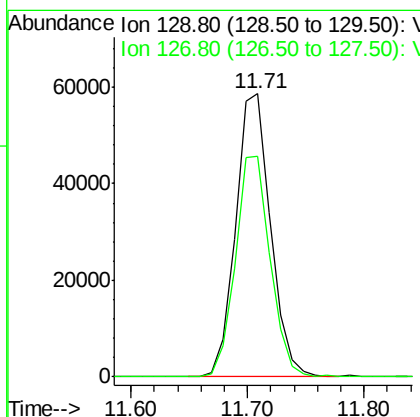
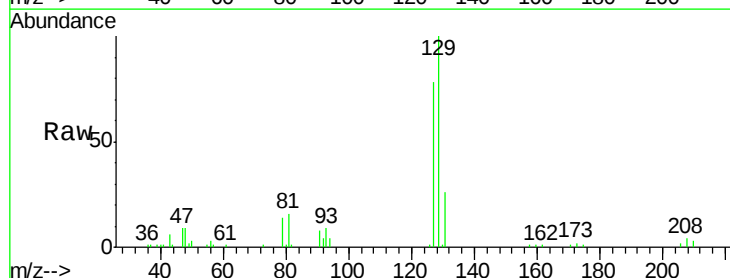
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

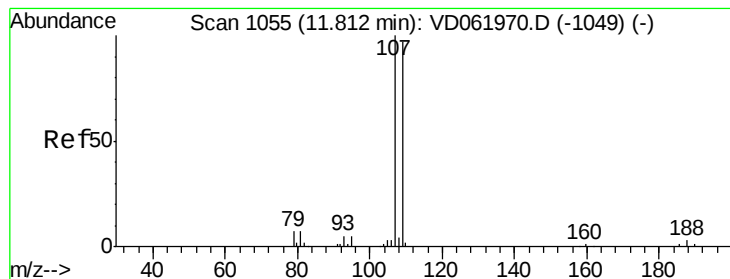
Tot Ion: 43 Resp: 199354
Ion Ratio Lower Upper
43 100
58 51.3 25.4 76.4



#60
Dibromochloromethane
Concen: 20.612 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion: 129 Resp: 120912
Ion Ratio Lower Upper
129 100
127 78.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 21.522 ug/l

RT: 11.83 min Scan# 1057

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

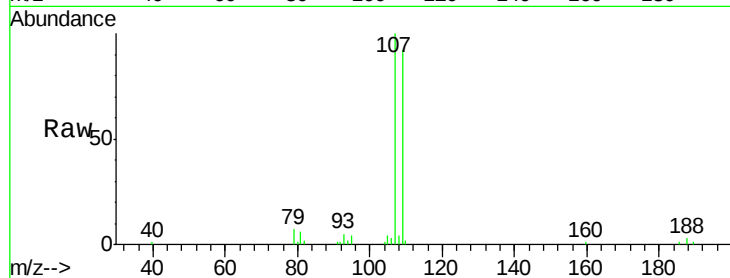
VD0426SBSD01

Tot Ion:107 Resp: 90512

Ion Ratio Lower Upper

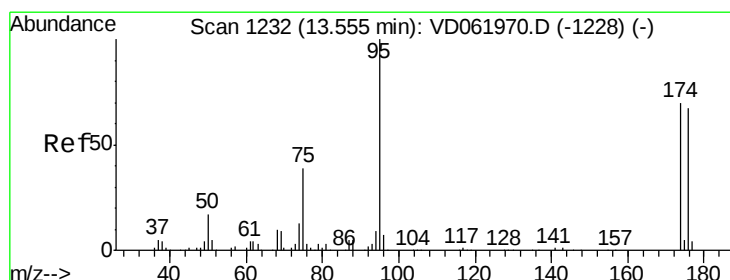
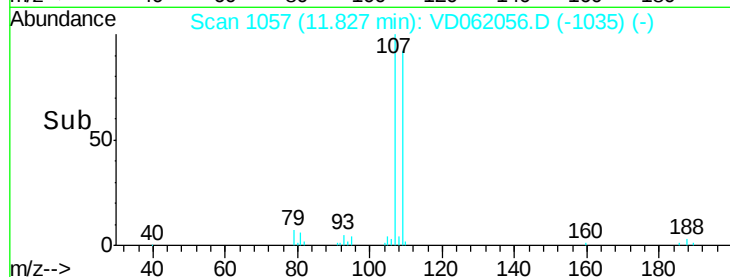
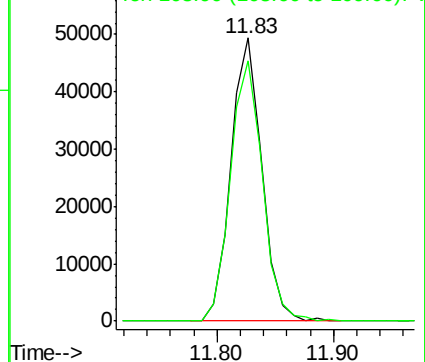
107 100

109 91.9 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.435 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

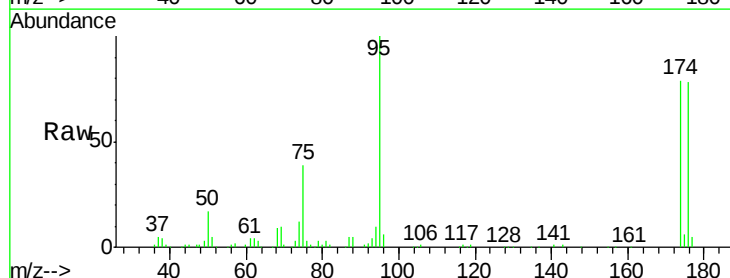
Tgt Ion: 95 Resp: 308521

Ion Ratio Lower Upper

95 100

174 78.6 0.0 181.8

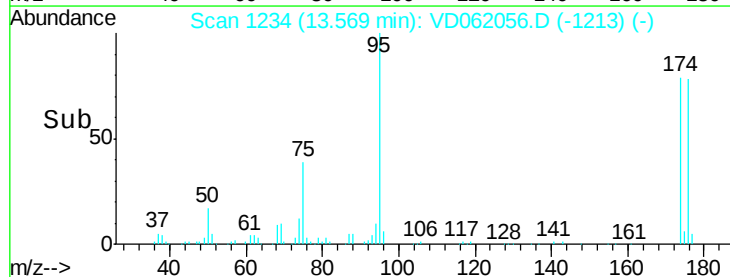
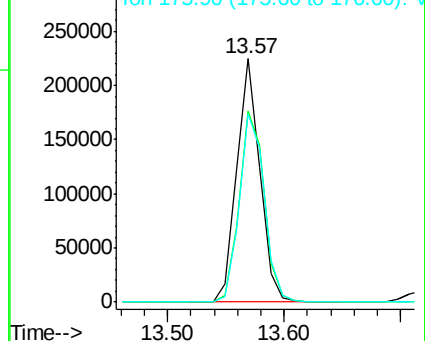
176 77.5 0.0 174.4

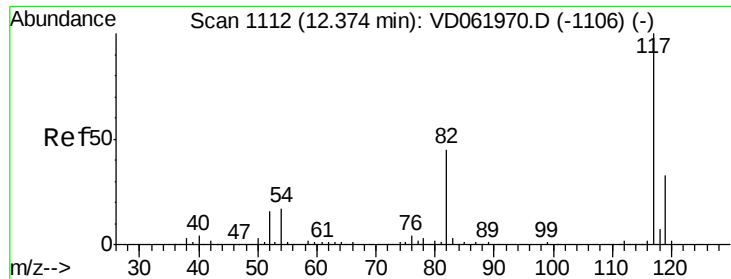


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

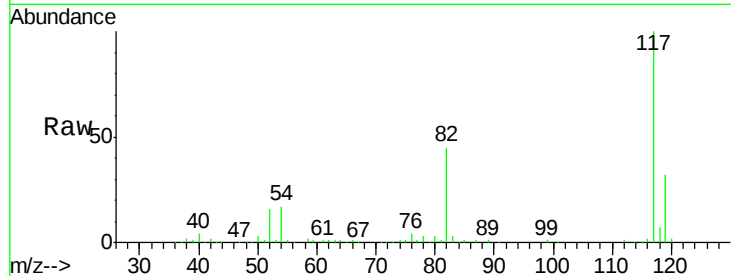




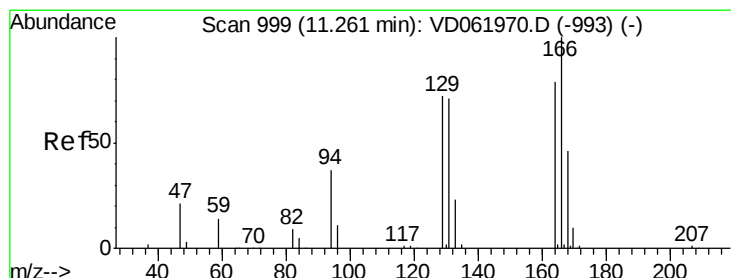
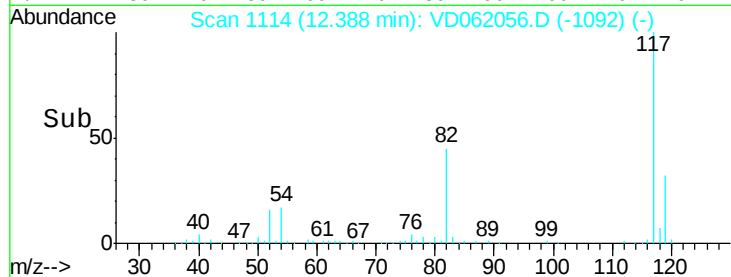
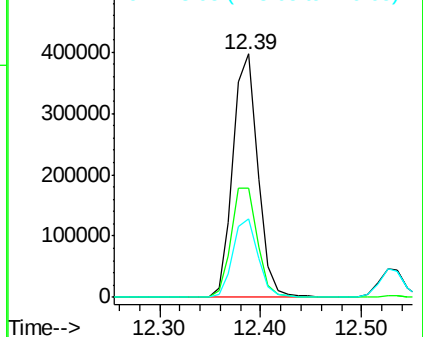
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

Tot Ion:117 Resp: 683187
Ion Ratio Lower Upper
117 100
82 44.8 36.2 54.2
119 32.2 26.2 39.4

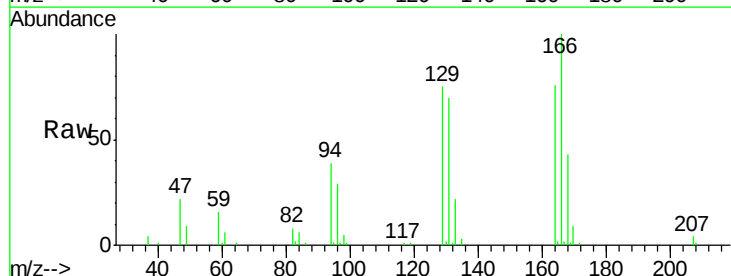


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

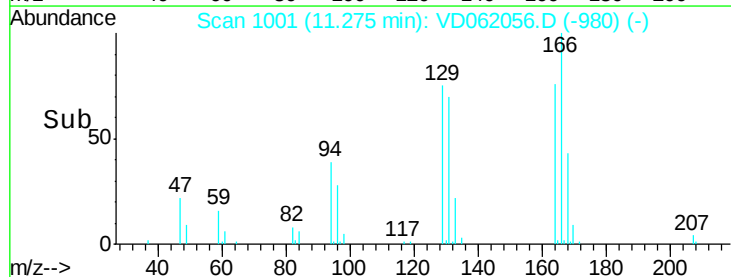
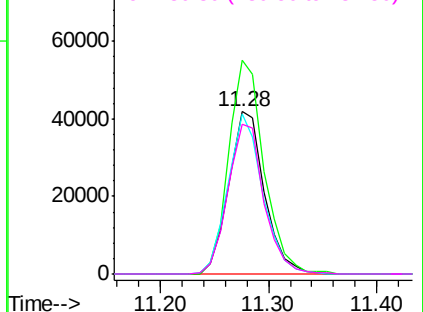


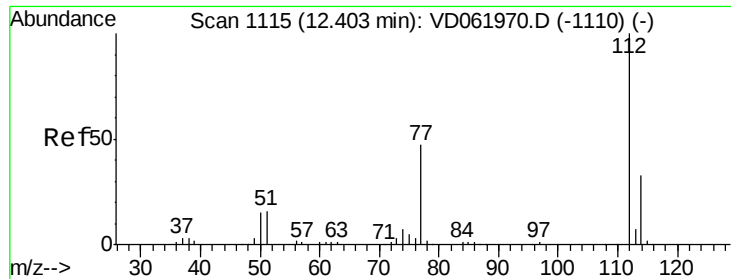
#64
Tetrachloroethene
Concen: 19.636 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion:164 Resp: 95698
Ion Ratio Lower Upper
164 100
166 131.6 101.5 152.3
129 98.5 74.6 112.0
131 92.7 72.6 108.8



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

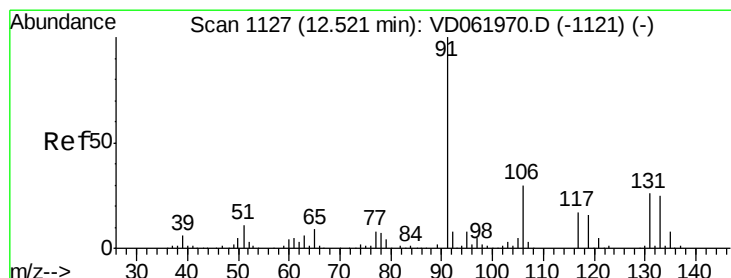
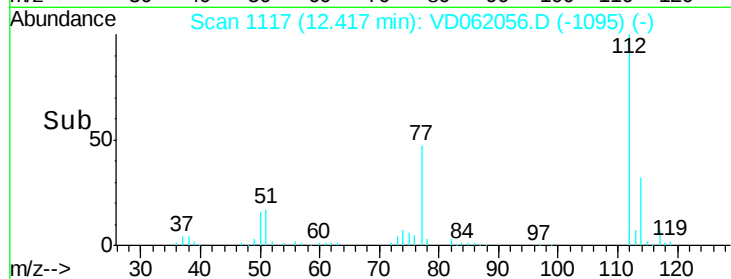
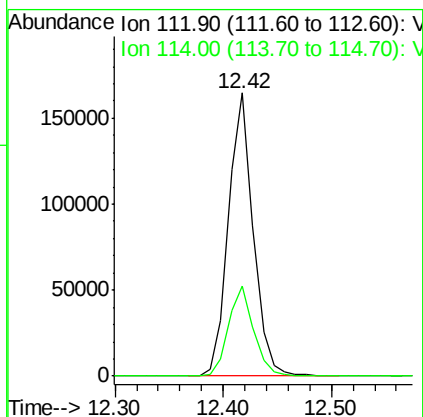
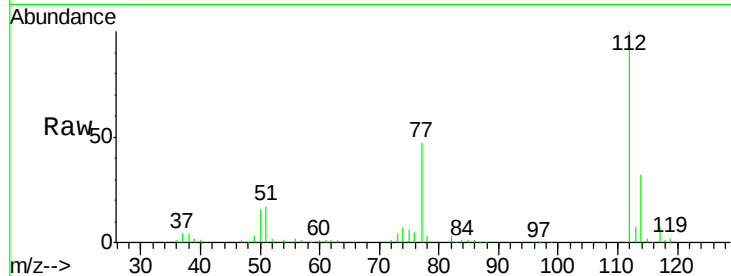




#65
Chlorobenzene
Concen: 20.376 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

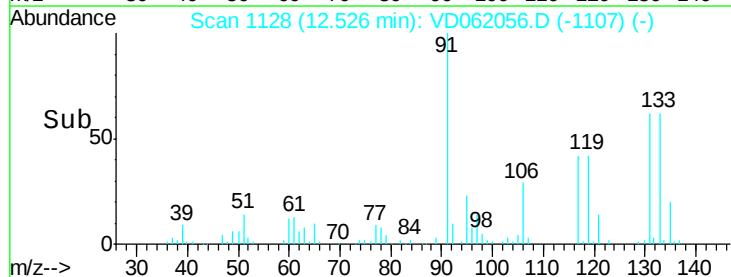
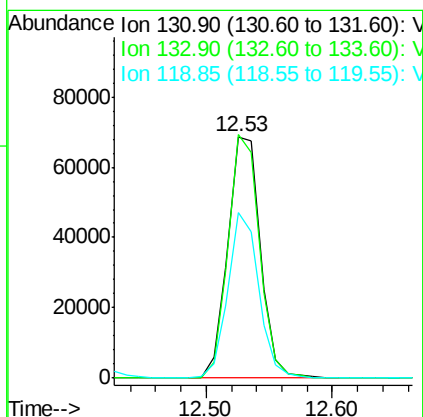
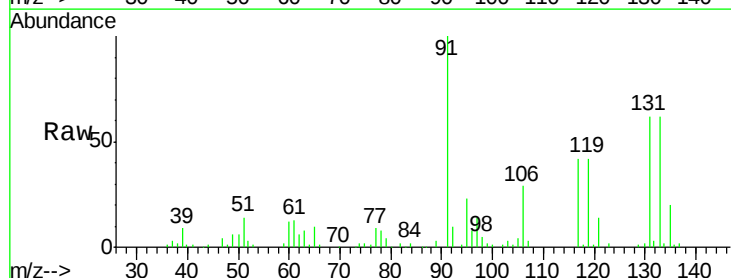
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

Tot Ion:112 Resp: 263048
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.286 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion:131 Resp: 122042
Ion Ratio Lower Upper
131 100
133 100.9 48.6 145.8
119 68.5 34.7 104.1

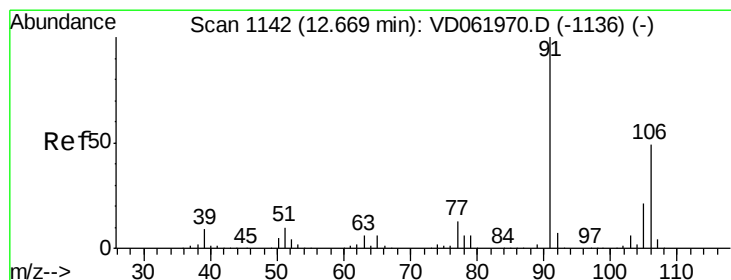
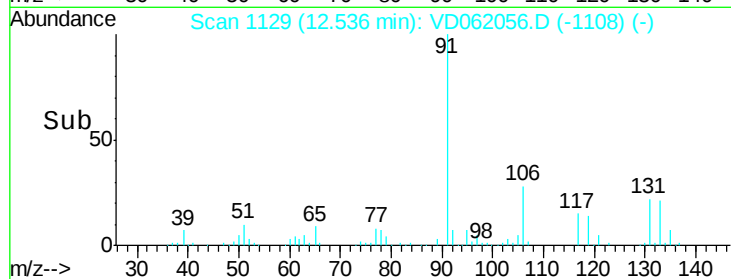
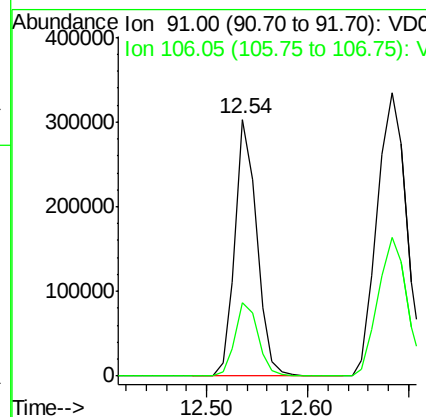
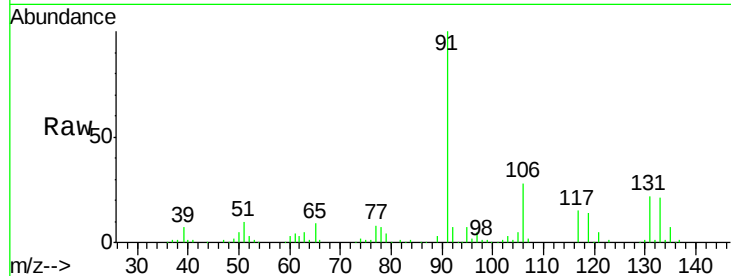




#67
Ethyl Benzene
Concen: 21.675 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

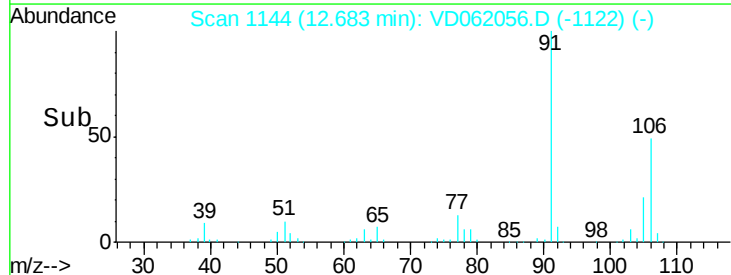
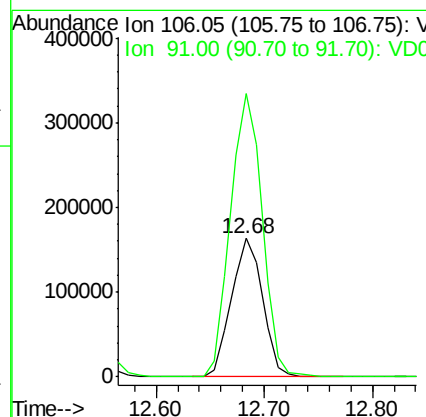
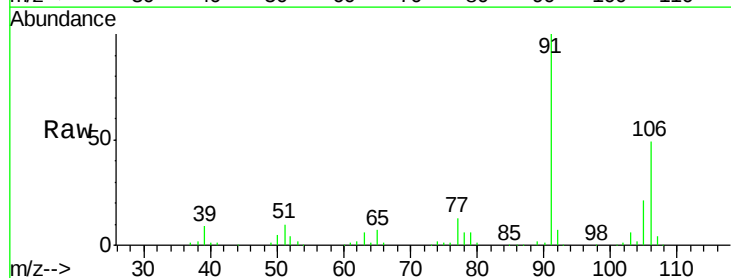
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 91 Resp: 456723
Ion Ratio Lower Upper
91 100
106 28.3 24.7 37.1



#68
m/p-Xylenes
Concen: 42.961 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion: 106 Resp: 327180
Ion Ratio Lower Upper
106 100
91 204.5 164.0 246.0

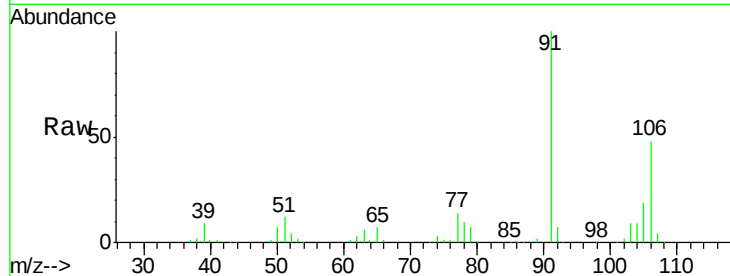




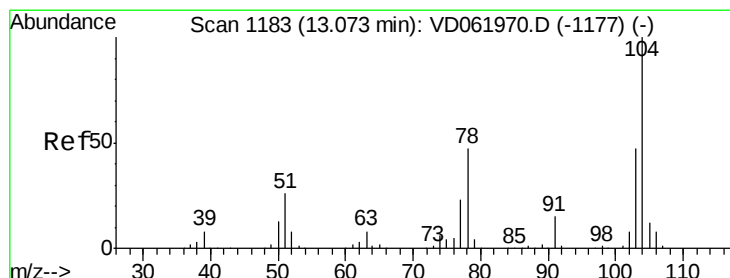
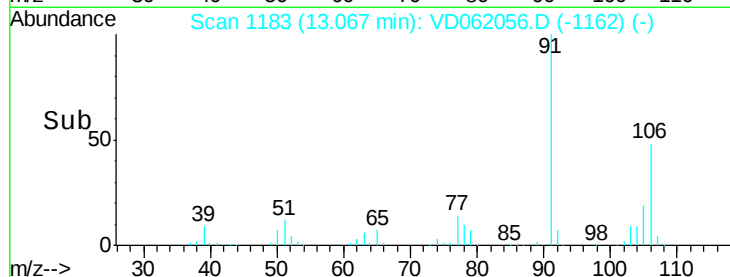
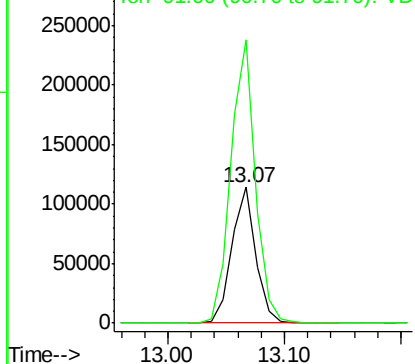
#69
o-Xylene
Concen: 23.262 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Instrument :
MSVOA_D
ClientSampleID :
VD0426SBS01

Tot Ion:106 Resp: 162092
Ion Ratio Lower Upper
106 100
91 208.2 106.7 319.9

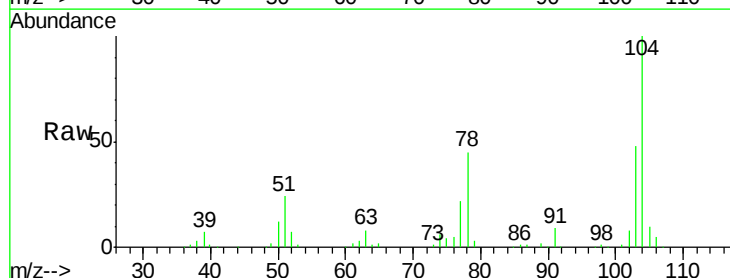


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

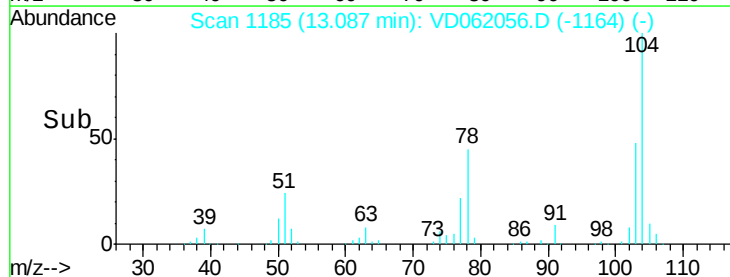
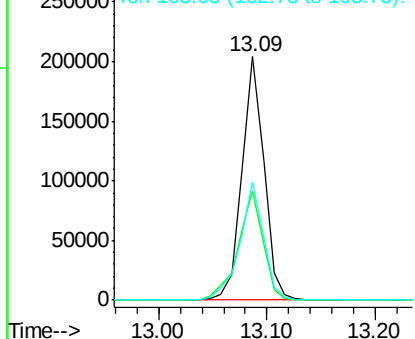


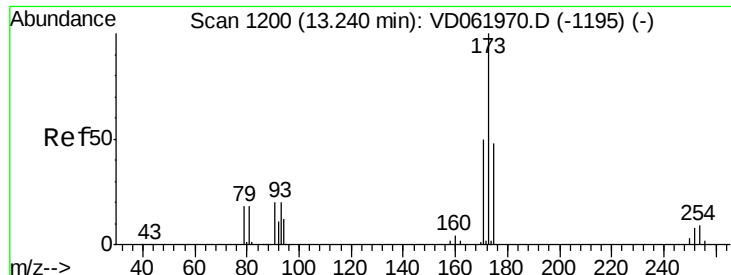
#70
Styrene
Concen: 23.936 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion:104 Resp: 287992
Ion Ratio Lower Upper
104 100
78 44.7 35.4 53.2
103 48.3 37.5 56.3



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: 22.285 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBSD01

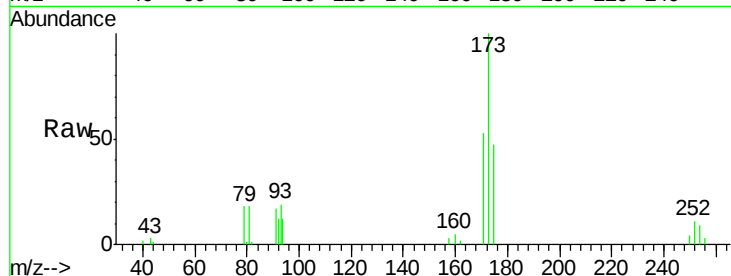
Tot Ion:173 Resp: 69572

Ion Ratio Lower Upper

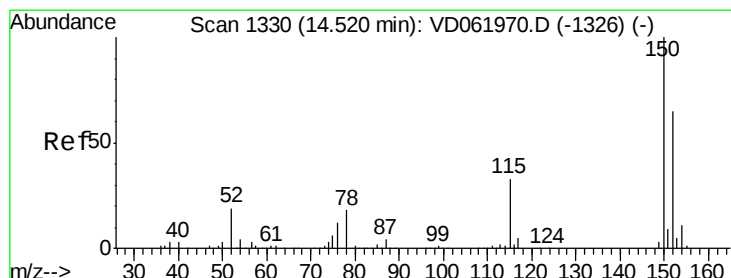
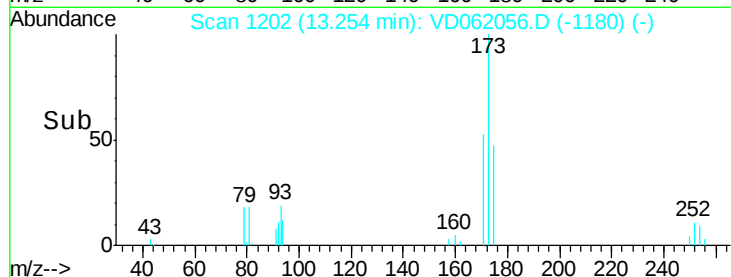
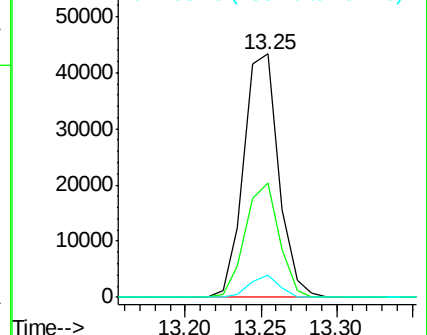
173 100

175 46.7 24.4 73.4

254 8.9 5.4 8.2#



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: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

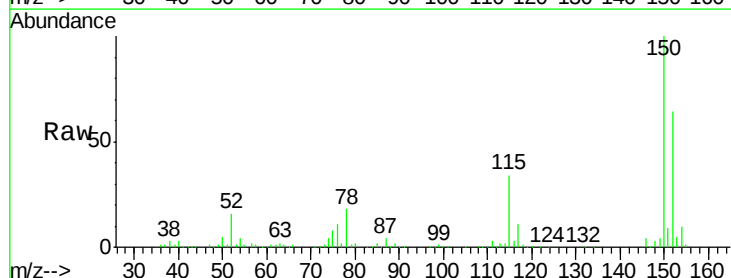
Tgt Ion:152 Resp: 322592

Ion Ratio Lower Upper

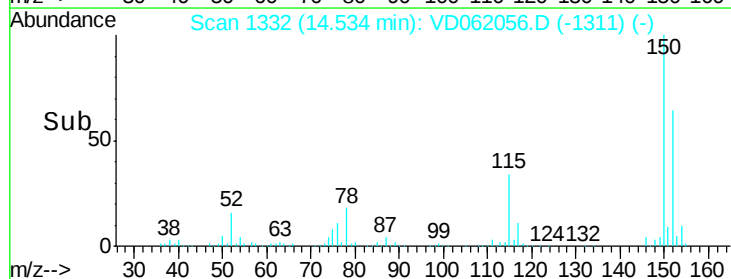
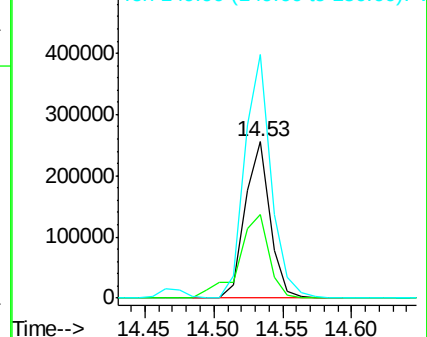
152 100

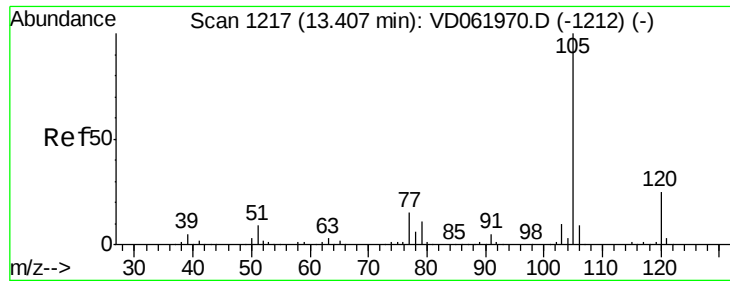
115 53.4 30.9 92.7

150 155.7 0.0 314.8



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





#73

Isopropylbenzene

Concen: 21.893 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

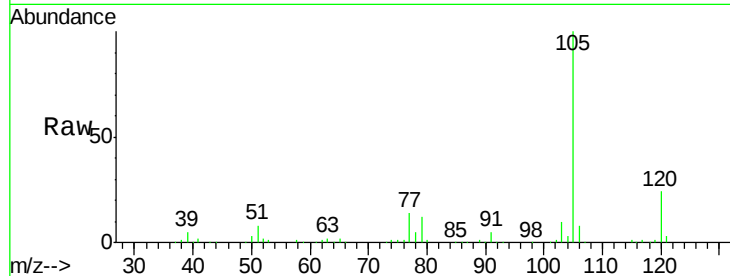
VD0426SBS01

Tot Ion:105 Resp: 471116

Ion Ratio Lower Upper

105 100

120 24.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

300000

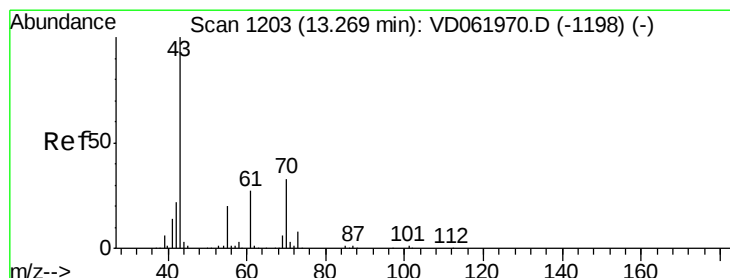
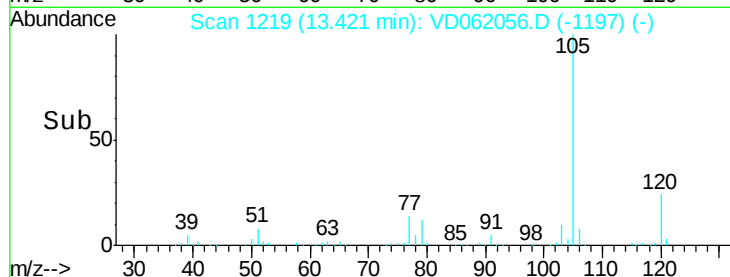
200000

100000

0

Time-->

13.40 13.50



#74

N-ethyl acetate

Concen: 20.555 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Tgt Ion: 43 Resp: 113915

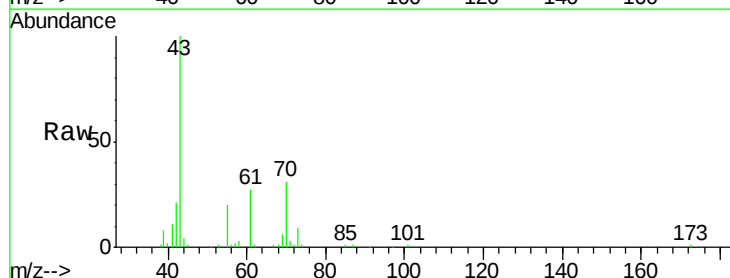
Ion Ratio Lower Upper

43 100

70 31.3 24.2 36.4

55 20.0 16.0 24.0

61 27.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

120000

100000

80000

60000

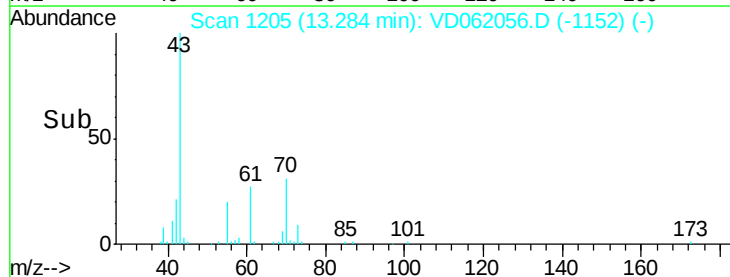
40000

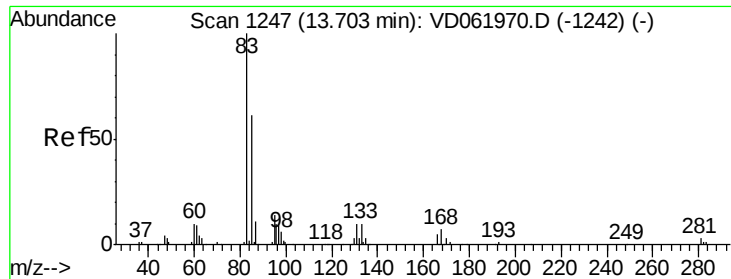
20000

0

Time-->

13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.778 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

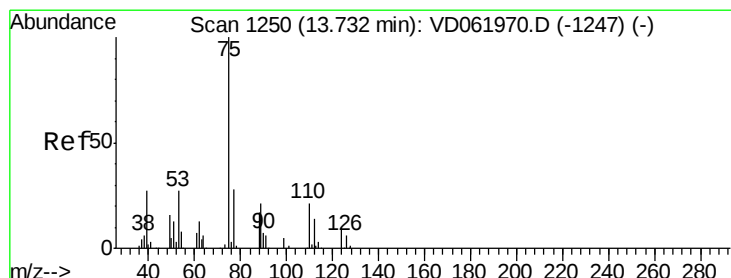
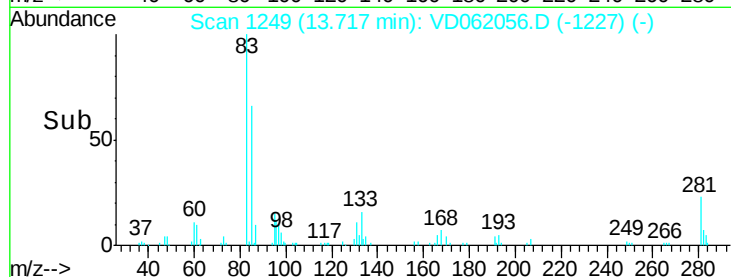
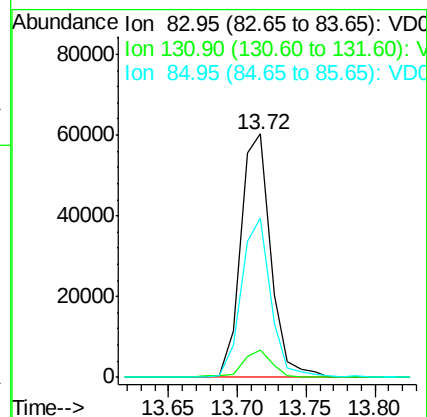
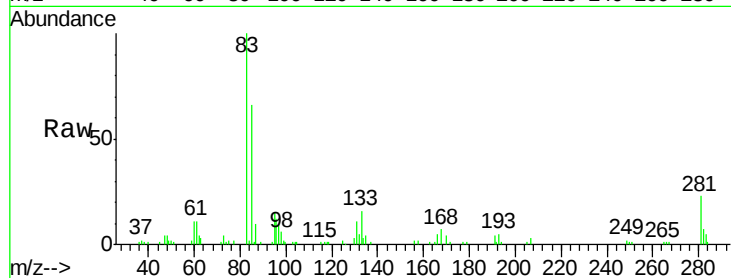
Tot Ion: 83 Resp: 91837

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

85 65.6 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 22.784 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD062056.D

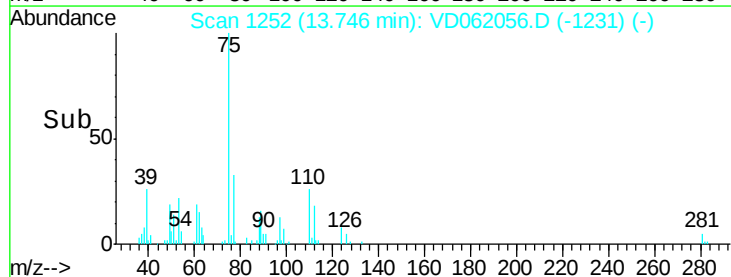
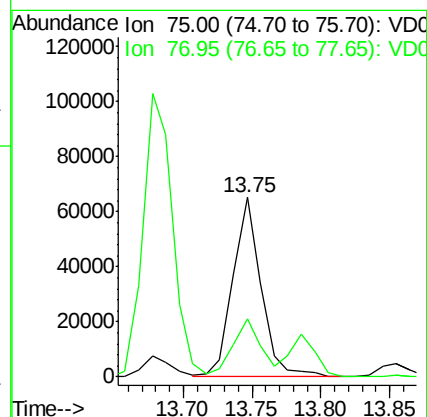
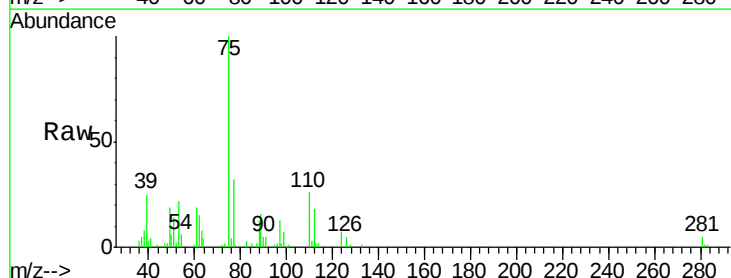
Acq: 26 Apr 2019 12:33

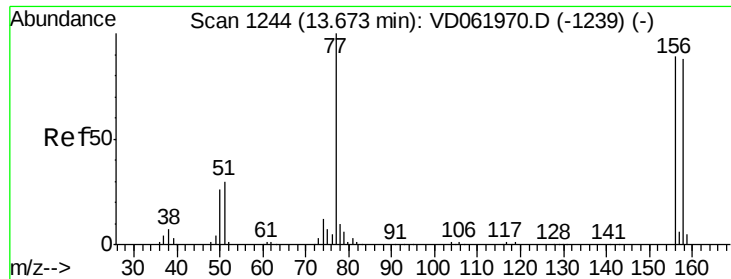
Tgt Ion: 75 Resp: 93332

Ion Ratio Lower Upper

75 100

77 32.5 16.4 49.4





#77

Bromobenzene

Concen: 20.374 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBSD01

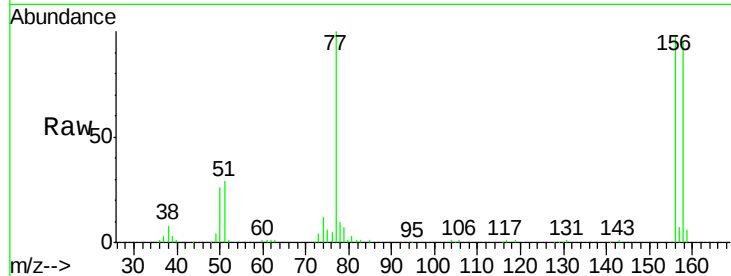
Tot Ion:156 Resp: 125774

Ion Ratio Lower Upper

156 100

77 102.2 53.1 159.4

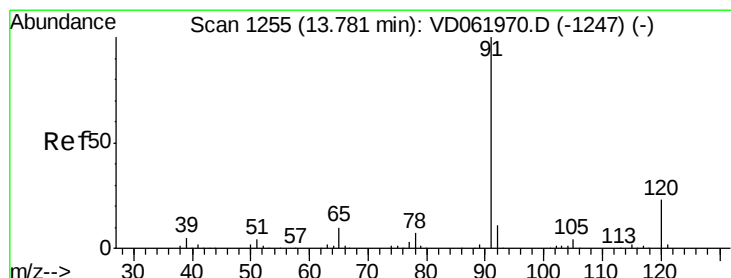
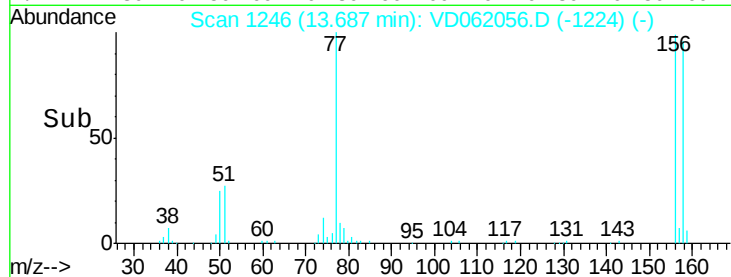
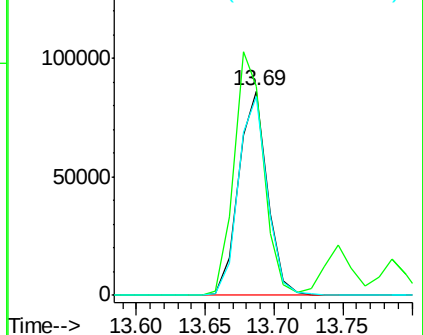
158 97.3 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.837 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062056.D

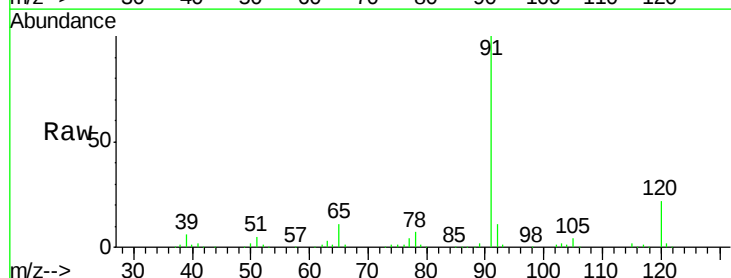
Acq: 26 Apr 2019 12:33

Tgt Ion: 91 Resp: 562575

Ion Ratio Lower Upper

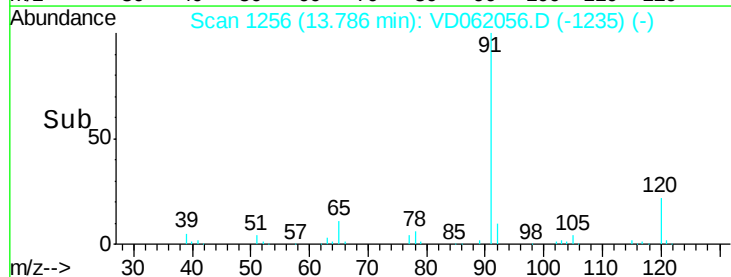
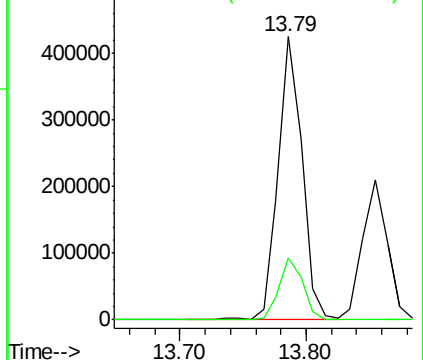
91 100

120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

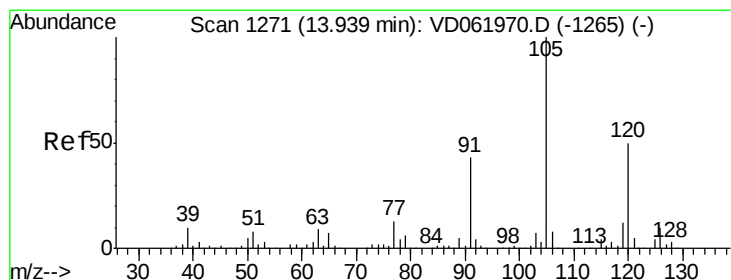
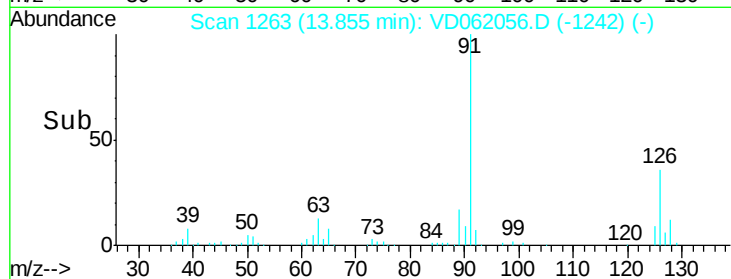
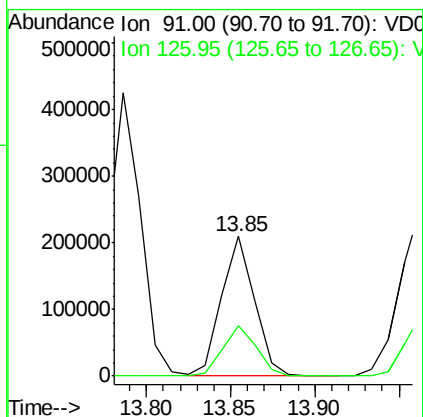
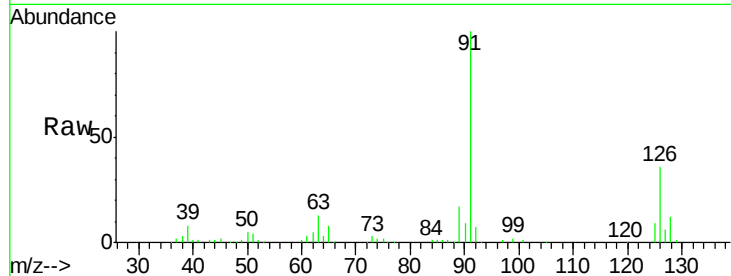




#79
 2-Chlorotoluene
 Concen: 18.905 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

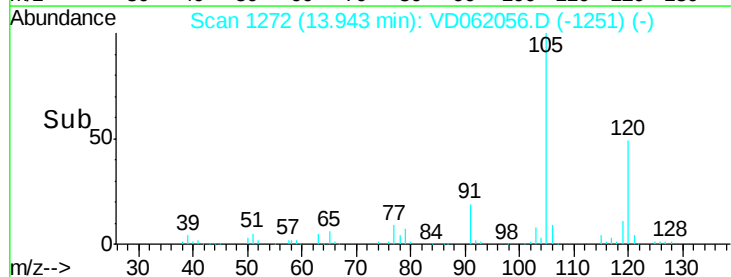
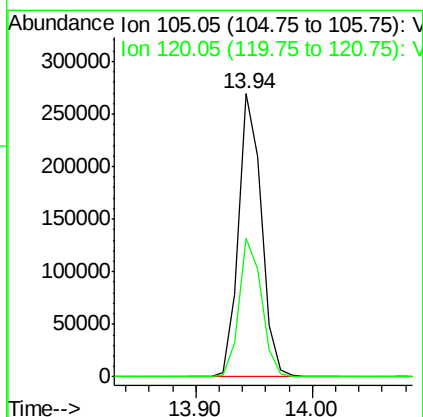
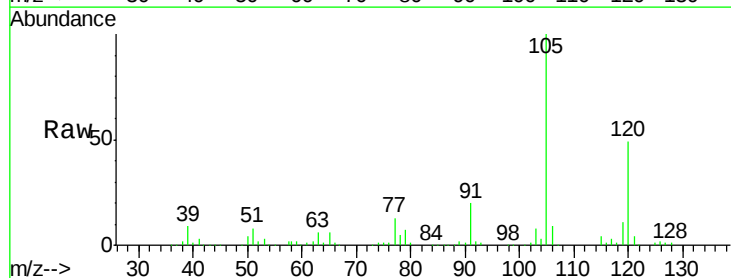
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

Tot Ion: 91 Resp: 282085
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.382 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion:105 Resp: 366878
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.0 72.0

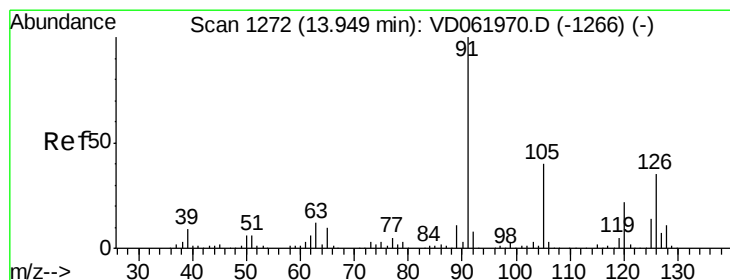
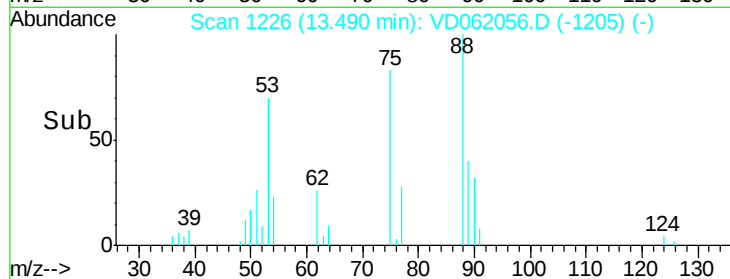
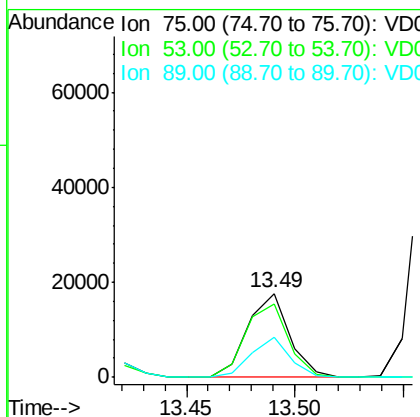
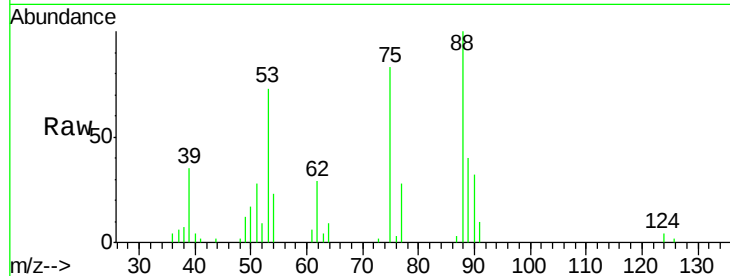




#81
trans-1,4-Dichloro-2-butene
Concen: 19.410 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

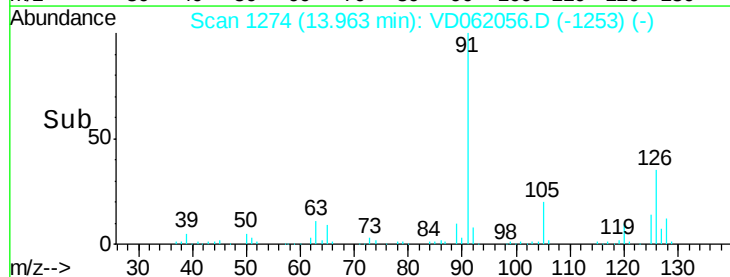
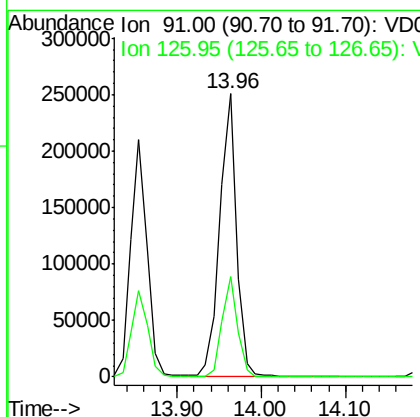
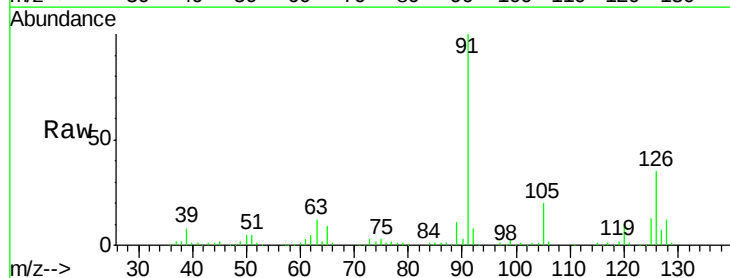
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

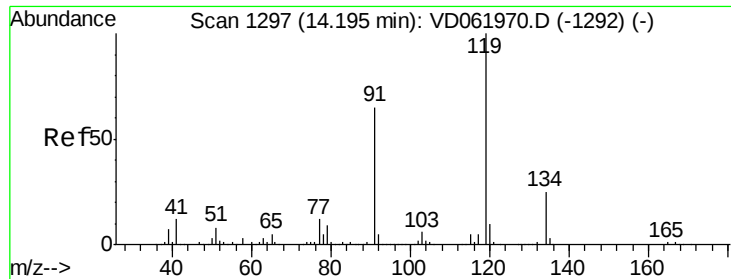
Tot Ion: 75 Resp: 24095
Ion Ratio Lower Upper
75 100
53 88.1 65.8 98.8
89 48.5 35.0 52.6



#82
4-Chlorotoluene
Concen: 21.194 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion: 91 Resp: 348275
Ion Ratio Lower Upper
91 100
126 35.4 19.1 57.5





#83

tert-Butylbenzene

Concen: 22.260 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

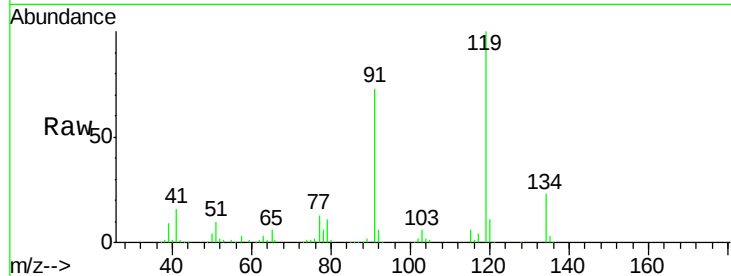
Tot Ion:119 Resp: 442466

Ion Ratio Lower Upper

119 100

91 73.0 34.2 102.6

134 23.1 12.0 36.0

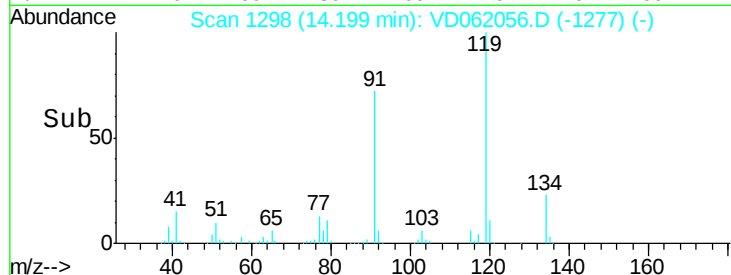


Abundance Ion 119.05 (118.75 to 119.75): V

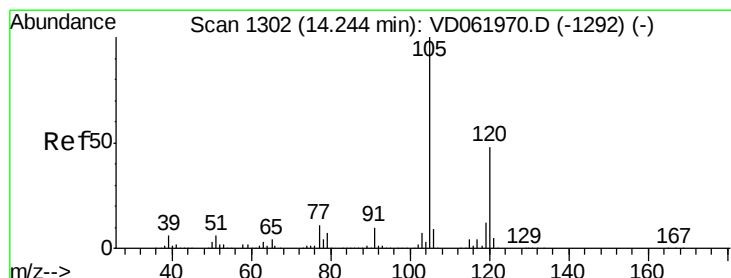
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 22.765 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VD062056.D

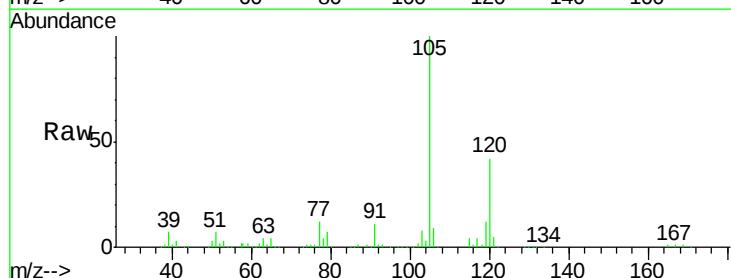
Acq: 26 Apr 2019 12:33

Tgt Ion:105 Resp: 372982

Ion Ratio Lower Upper

105 100

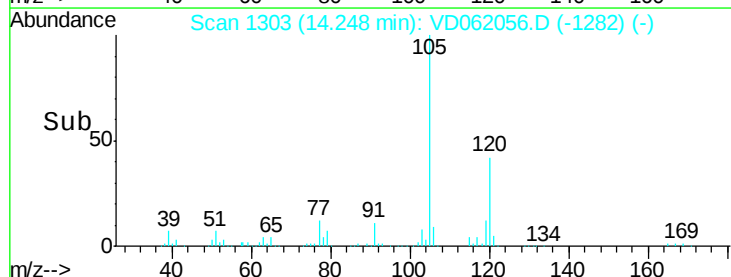
120 42.4 23.1 69.2



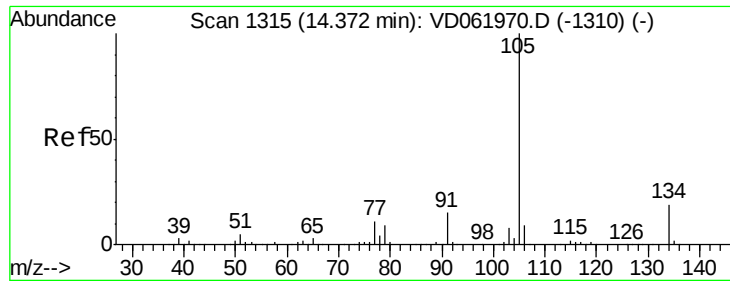
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 21.886 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

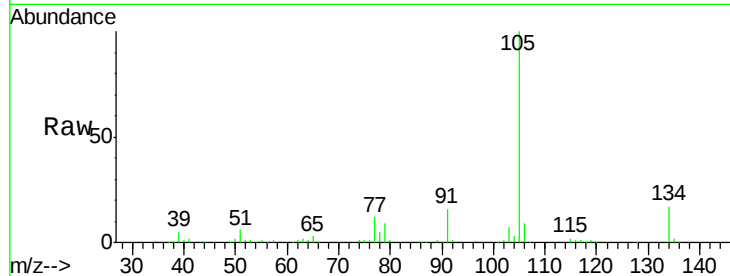
VD0426SBS01

Tot Ion:105 Resp: 470052

Ion Ratio Lower Upper

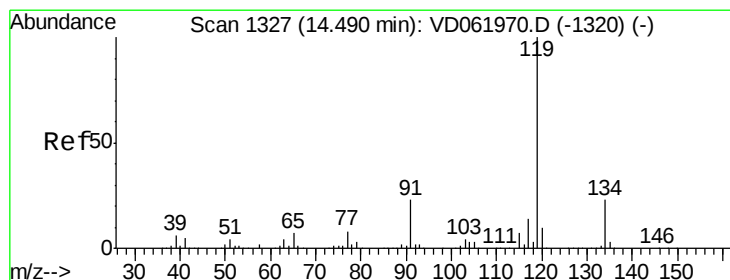
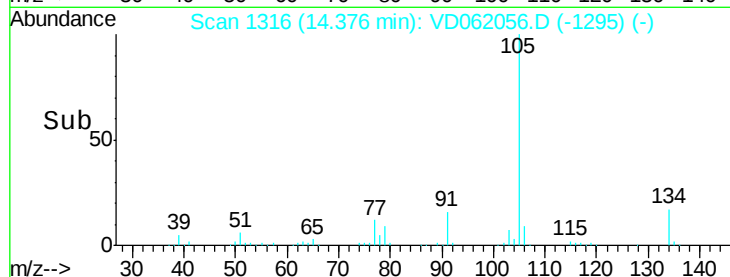
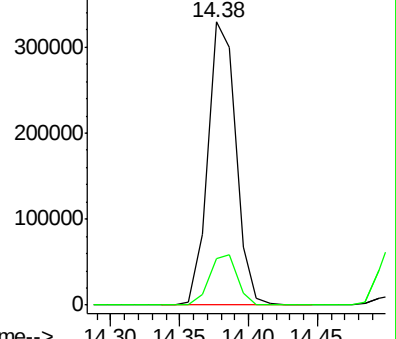
105 100

134 16.5 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.753 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

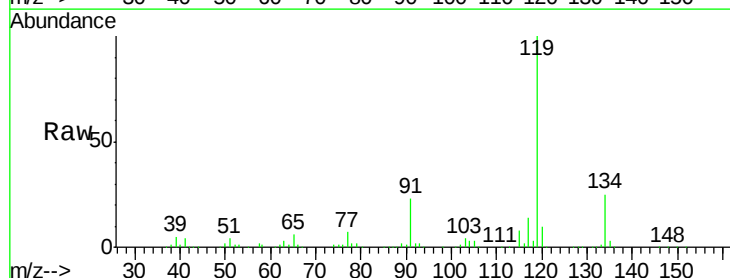
Tgt Ion:119 Resp: 398901

Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.3

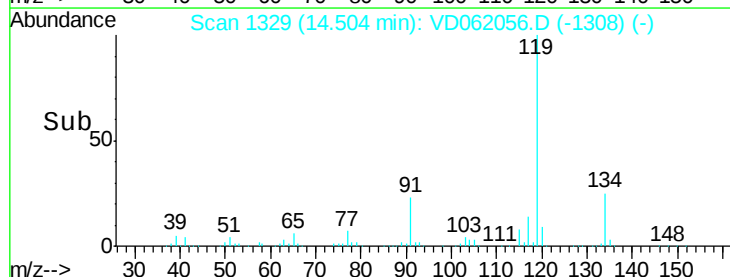
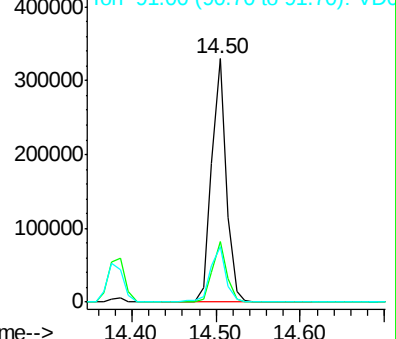
91 22.8 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

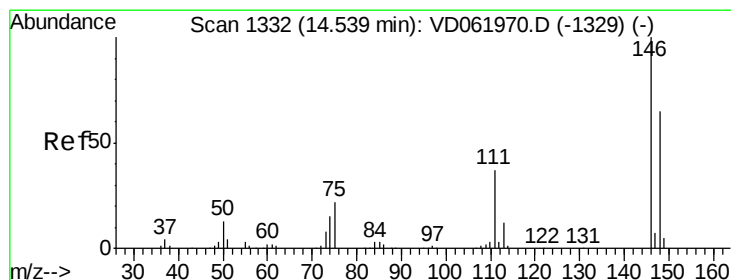
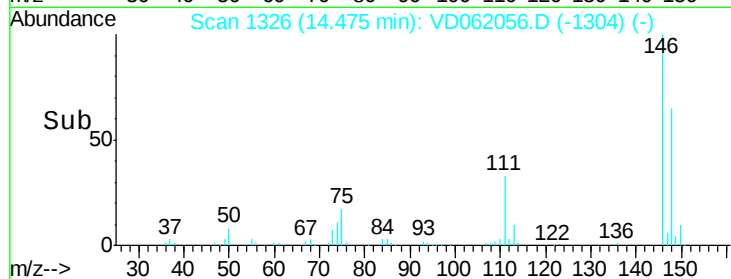
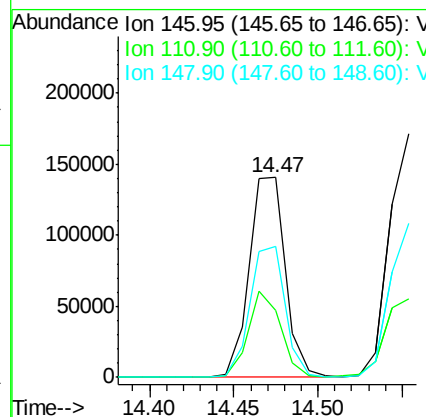
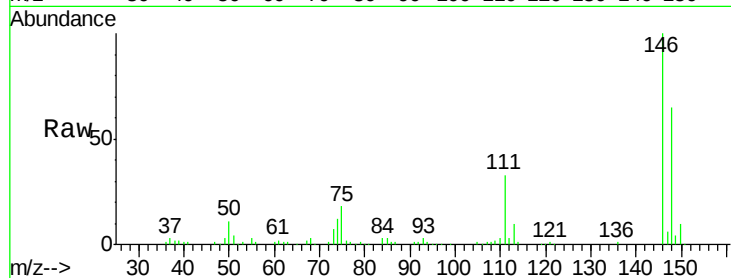




#87
 1,3-Dichlorobenzene
 Concen: 19.434 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. 0.02 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

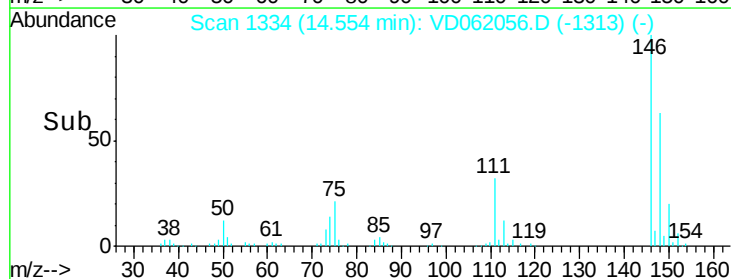
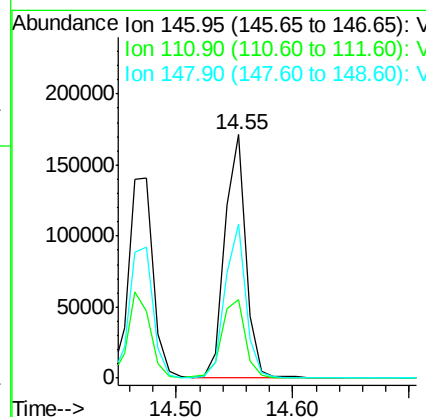
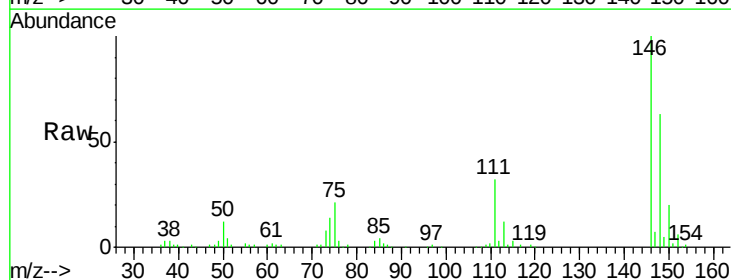
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

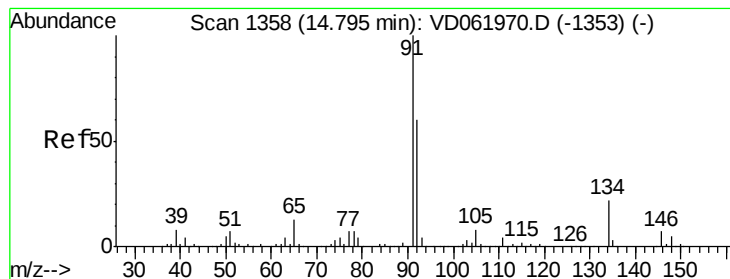
Tot Ion:146 Resp: 210090
 Ion Ratio Lower Upper
 146 100
 111 33.4 20.0 60.0
 148 65.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.218 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion:146 Resp: 214507
 Ion Ratio Lower Upper
 146 100
 111 32.4 20.2 60.5
 148 63.5 32.0 96.2





#89

n-Butylbenzene

Concen: 22.246 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD062056.D

Acq: 26 Apr 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

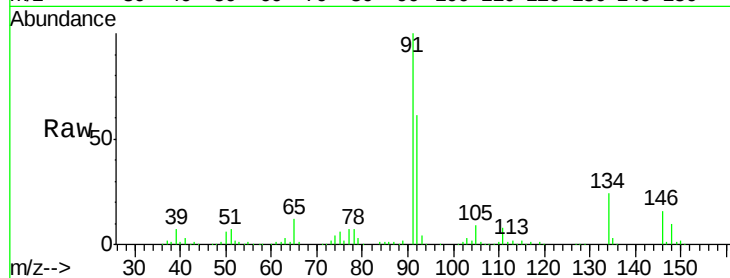
Tot Ion: 91 Resp: 383900

Ion Ratio Lower Upper

91 100

92 60.7 30.3 91.0

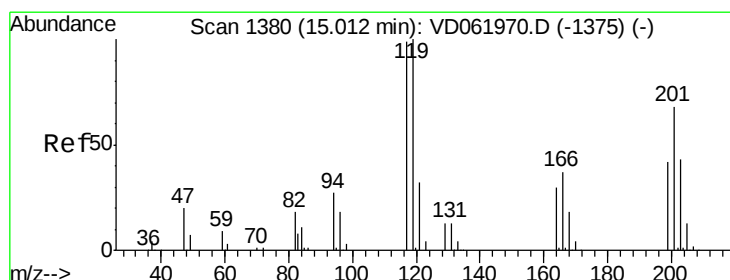
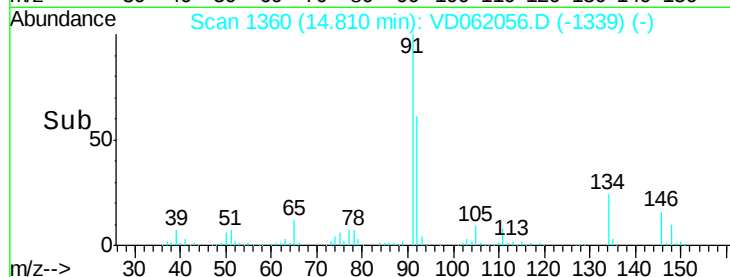
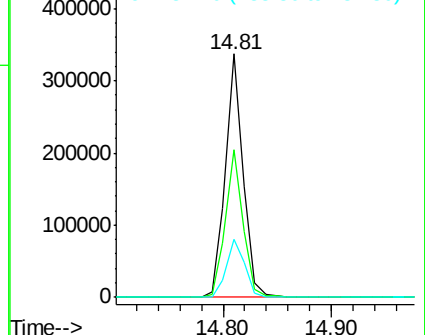
134 23.9 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.363 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062056.D

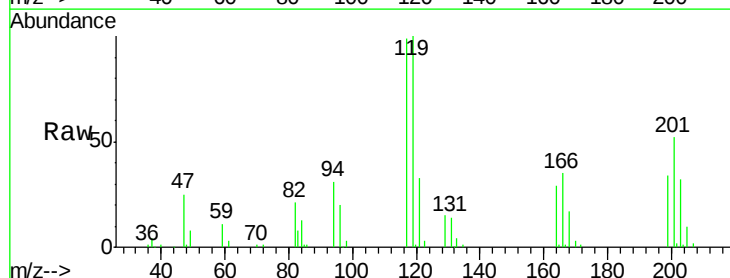
Acq: 26 Apr 2019 12:33

Tgt Ion: 117 Resp: 111037

Ion Ratio Lower Upper

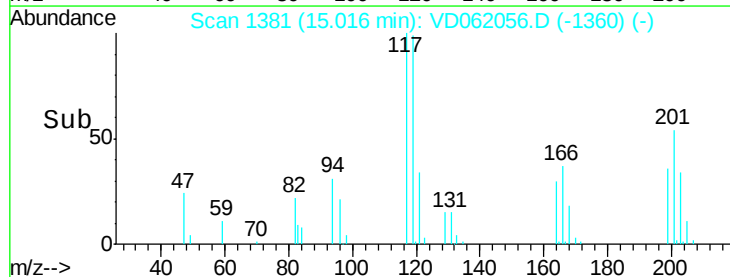
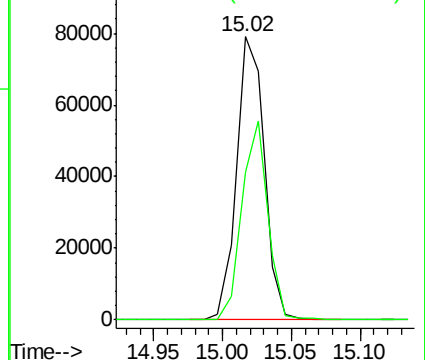
117 100

201 52.0 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

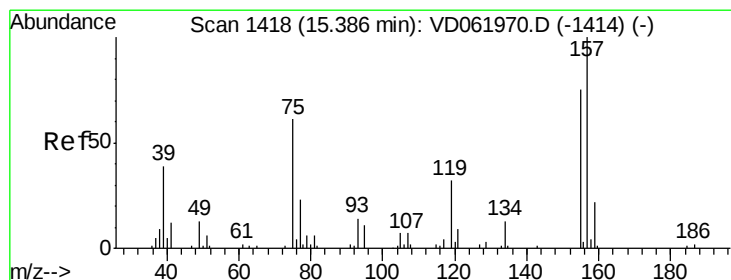
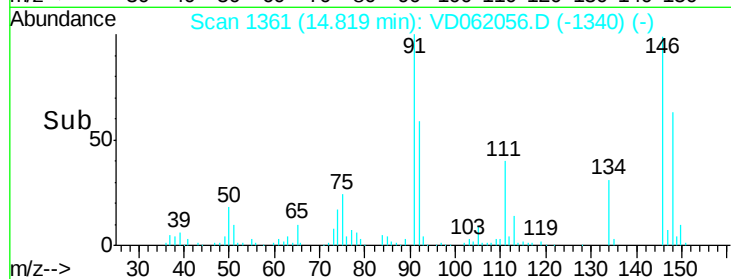
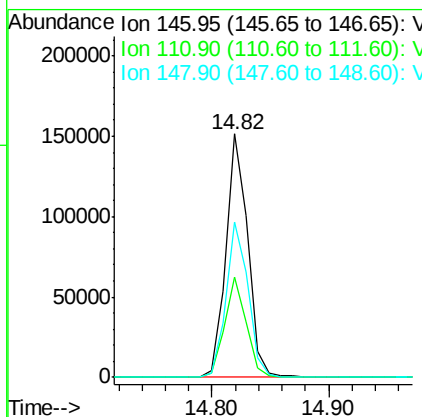
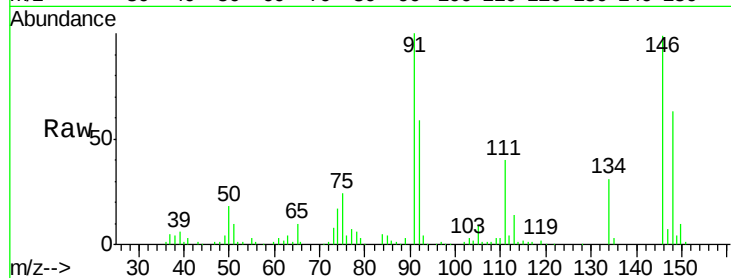




#91
 1,2-Dichlorobenzene
 Concen: 21.938 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

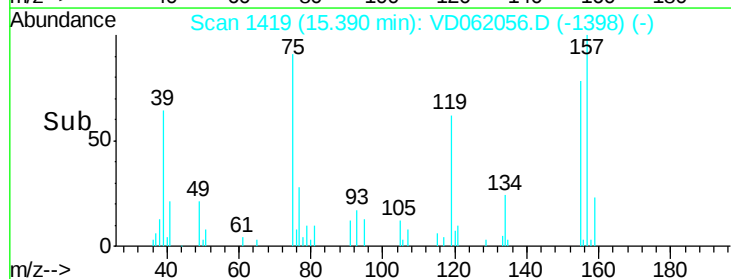
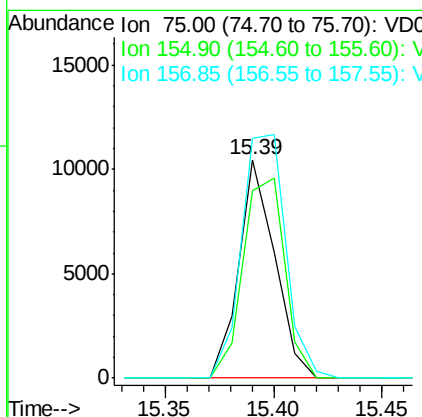
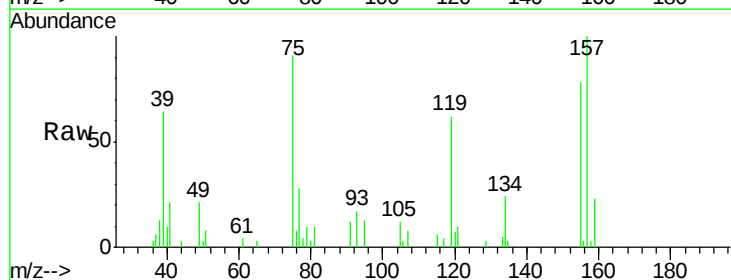
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

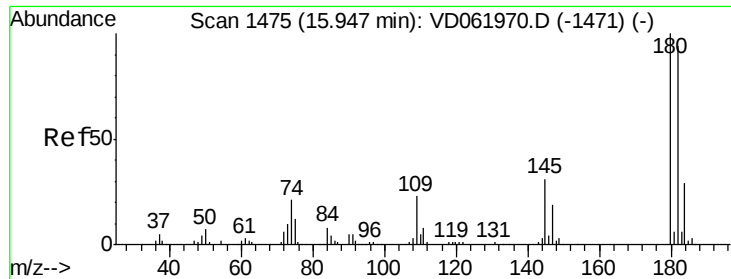
Tot Ion:146 Resp: 195628
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 63.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.145 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion: 75 Resp: 12173
 Ion Ratio Lower Upper
 75 100
 155 85.9 55.3 165.8
 157 110.1 67.8 203.2

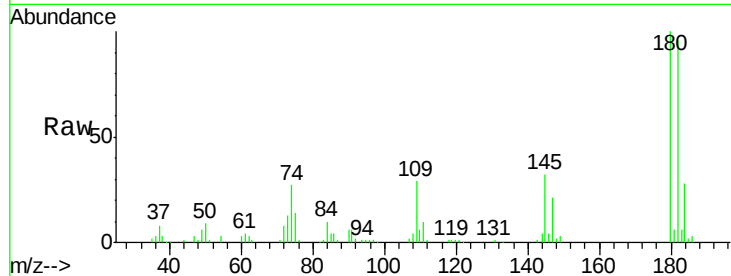




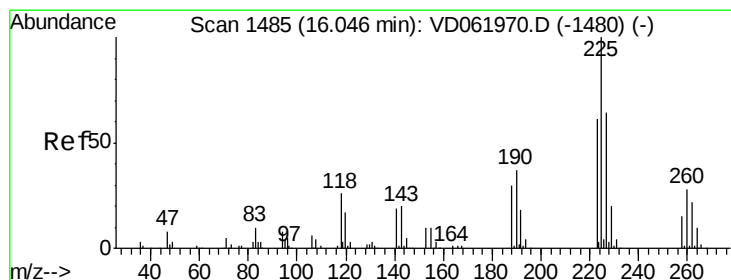
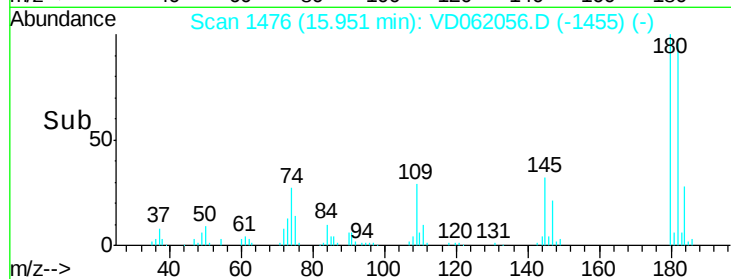
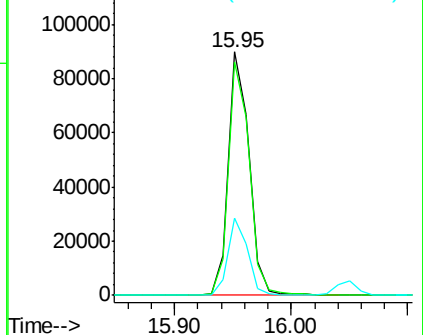
#93
 1,2,4-Trichlorobenzene
 Concen: 23.063 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBSD01

Tot Ion:180 Resp: 110964
 Ion Ratio Lower Upper
 180 100
 182 95.8 49.3 147.8
 145 31.5 16.2 48.6

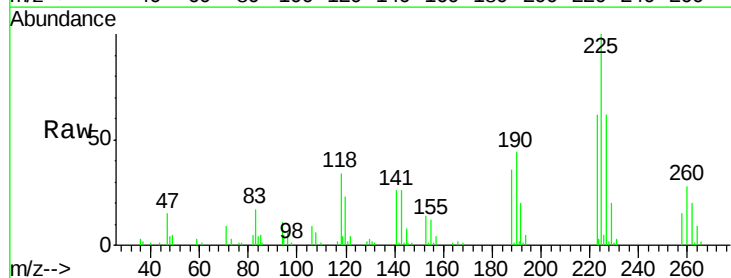


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

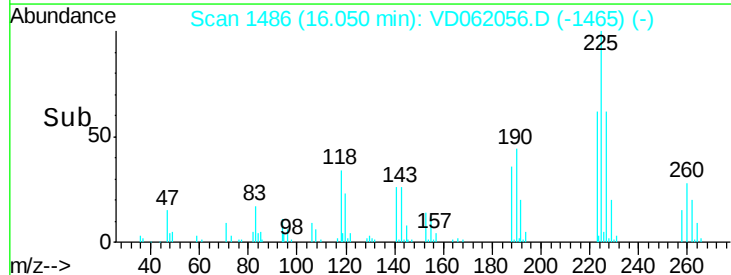
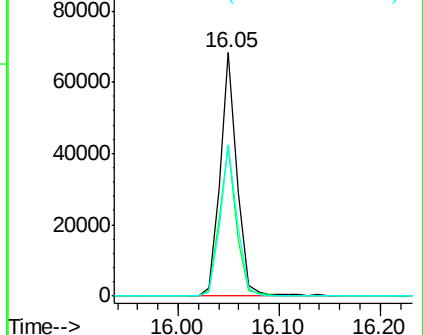


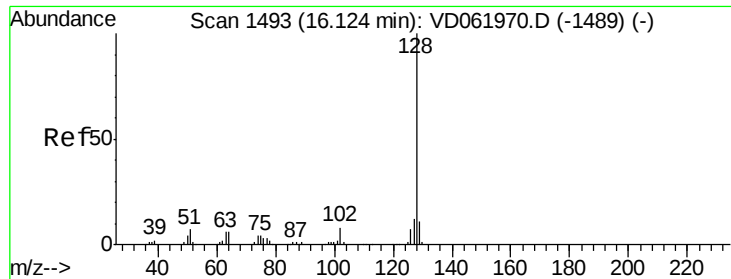
#94
 Hexachlorobutadiene
 Concen: 22.551 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD062056.D
 Acq: 26 Apr 2019 12:33

Tgt Ion:225 Resp: 80296
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.6 92.0
 227 62.5 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

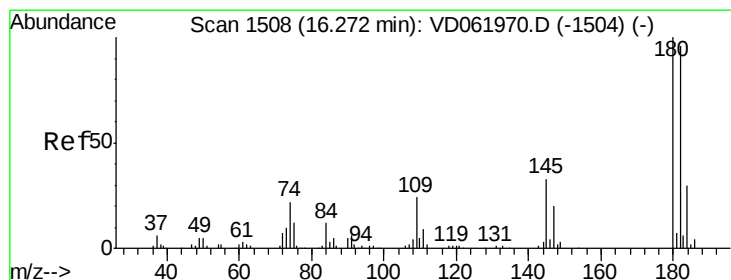
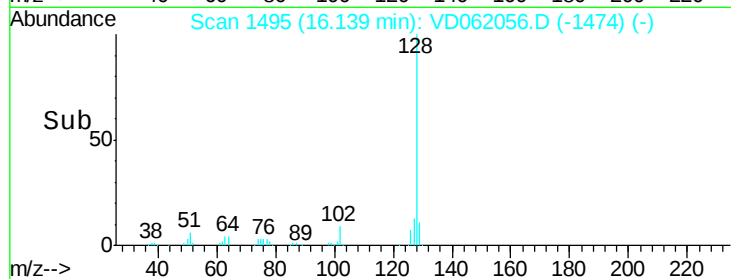
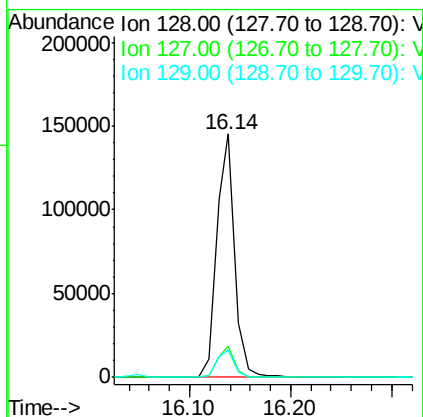
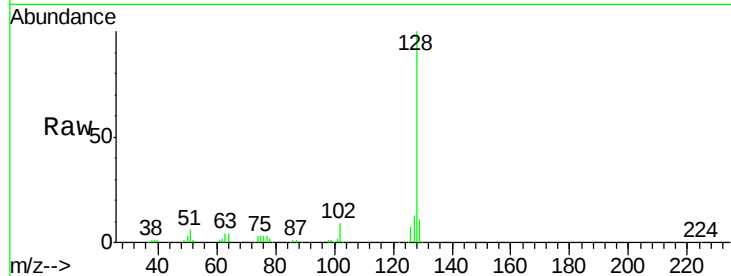




#95
Naphthalene
Concen: 23.177 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBSD01

Tot Ion:128 Resp: 180053
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.8
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.463 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062056.D
Acq: 26 Apr 2019 12:33

Tgt Ion:180 Resp: 72241
Ion Ratio Lower Upper
180 100
182 98.3 47.0 141.0
145 31.6 17.0 51.0

