

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062951.D
 Acq On : 28 Jun 2019 2:55
 Operator : VA/AP
 Sample : VD0627SBS03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 05:24:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	747448	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	1154846	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	985537	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	556709	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	459549	56.56	ug/l	-0.04
Spiked Amount			Recovery	=	113.12%	
35) Dibromofluoromethane	6.89	113	465210	47.77	ug/l	-0.04
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	10.39	98	939173	44.31	ug/l	-0.03
Spiked Amount			Recovery	=	88.62%	
62) 4-Bromofluorobenzene	13.54	95	448242	46.51	ug/l	-0.02
Spiked Amount			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	203421	21.031	ug/l	97
3) Chloromethane	1.74	50	149636	20.571	ug/l	98
4) Vinyl Chloride	1.83	62	144752	20.070	ug/l	95
5) Bromomethane	2.13	94	54429	16.115	ug/l	98
6) Chloroethane	2.25	64	65549	20.075	ug/l	96
7) Trichlorofluoromethane	2.51	101	290322	19.890	ug/l	99
8) Diethyl Ether	2.86	74	46711	25.187	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.12	101	153425	19.402	ug/l	89
10) Methyl Iodide	3.28	142	206392	19.784	ug/l	95
11) Tert butyl alcohol	4.07	59	48378	130.739	ug/l #	95
12) 1,1-Dichloroethene	3.10	96	117360	19.784	ug/l	94
13) Acrolein	3.01	56	27937	73.954	ug/l	91
14) Allyl chloride	3.59	41	189880	21.663	ug/l	94
15) Acrylonitrile	4.18	53	114987	132.248	ug/l #	90
16) Acetone	3.20	43	176213	102.833	ug/l #	90
17) Carbon Disulfide	3.35	76	355988	18.777	ug/l	97
18) Methyl Acetate	3.62	43	103284	42.112	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	319955	24.915	ug/l	97
20) Methylene Chloride	3.78	84	155633	25.117	ug/l	99
21) trans-1,2-Dichloroethene	4.18	96	136747	21.650	ug/l	95
22) Diisopropyl ether	5.09	45	422970	23.729	ug/l	97
23) Vinyl Acetate	5.02	43	1209801	108.463	ug/l	99
24) 1,1-Dichloroethane	4.95	63	257214	22.163	ug/l	98
25) 2-Butanone	6.05	43	181649	119.541	ug/l #	89
26) 2,2-Dichloropropane	6.00	77	218903	17.795	ug/l	95
27) cis-1,2-Dichloroethene	6.01	96	155349	23.258	ug/l	98
28) Bromochloromethane	6.41	49	101611	24.859	ug/l	82
29) Tetrahydrofuran	6.43	42	101027	140.518	ug/l	98
30) Chloroform	6.64	83	329001	23.310	ug/l	95
31) Cyclohexane	6.92	56	148415	19.453	ug/l	99
32) 1,1,1-Trichloroethane	6.84	97	314972	21.425	ug/l	92
36) 1,1-Dichloropropene	7.12	75	201060	18.391	ug/l	97
37) Ethyl Acetate	6.14	43	98003	20.695	ug/l #	95
38) Carbon Tetrachloride	7.08	117	289187	17.589	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	174001	18.082	ug/l	94
40) Benzene	7.42	78	440412	20.069	ug/l	98
41) Methacrylonitrile	6.42	41	129902	22.532	ug/l #	93
42) 1,2-Dichloroethane	7.55	62	254067	21.223	ug/l	100
43) Isopropyl Acetate	9.22	43	135723	23.681	ug/l #	97
44) Trichloroethene	8.52	130	167901	19.516	ug/l	97
45) 1,2-Dichloropropane	8.91	63	111710	20.472	ug/l	93
46) Dibromomethane	9.04	93	94562	20.174	ug/l	94
47) Bromodichloromethane	9.35	83	253149	20.795	ug/l	99
48) Methyl methacrylate	9.10	41	89998	22.097	ug/l	99
49) 1,4-Dioxane	9.07	88	15553	458.990	ug/l	93
51) 4-Methyl-2-Pentanone	10.28	43	460184	113.247	ug/l	99
52) Toluene	10.49	92	302257	20.491	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	196377	19.709	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	223909	20.675	ug/l	96
55) 1,1,2-Trichloroethane	11.16	97	111957	22.091	ug/l	97
56) Ethyl methacrylate	11.02	69	115174	21.265	ug/l	94
57) 1,3-Dichloropropane	11.38	76	162373	20.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	310224	111.572	ug/l	98
59) 2-Hexanone	11.51	43	306611	105.947	ug/l	95
60) Dibromochloromethane	11.67	129	189525	20.077	ug/l	93
61) 1,2-Dibromoethane	11.78	107	134116	22.407	ug/l	88
64) Tetrachloroethene	11.23	164	174850	21.557	ug/l	90
65) Chlorobenzene	12.39	112	374818	20.492	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.49	131	176234	20.603	ug/l	97
67) Ethyl Benzene	12.50	91	618628	18.838	ug/l	99
68) m/p-Xylenes	12.65	106	427691	37.394	ug/l	97
69) o-Xylene	13.03	106	211928	20.270	ug/l	99
70) Styrene	13.05	104	384774	20.952	ug/l	96
71) Bromoform	13.22	173	128869	21.989	ug/l	91
73) Isopropylbenzene	13.39	105	653008	18.294	ug/l	100
74) N-amyl acetate	13.25	43	170723	19.695	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.68	83	120178	20.664	ug/l	89
76) 1,2,3-Trichloropropane	13.72	75	140256	21.824	ug/l	97
77) Bromobenzene	13.66	156	191782	19.975	ug/l	93
78) n-propylbenzene	13.76	91	757721	18.238	ug/l	96
79) 2-Chlorotoluene	13.82	91	444410	18.718	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	548796	18.304	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	30444	18.074	ug/l	89
82) 4-Chlorotoluene	13.93	91	523678	18.321	ug/l	96
83) tert-Butylbenzene	14.18	119	614965	18.401	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	553078	17.998	ug/l	100
85) sec-Butylbenzene	14.35	105	657622	18.105	ug/l	97
86) p-Isopropyltoluene	14.48	119	615650	18.527	ug/l	97
87) 1,3-Dichlorobenzene	14.44	146	334323	19.426	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	350059	20.251	ug/l	97
89) n-Butylbenzene	14.79	91	453378	14.577	ug/l	98
90) Hexachloroethane	14.99	117	157646	17.645	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	264010	17.930	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	24922	21.955	ug/l	70

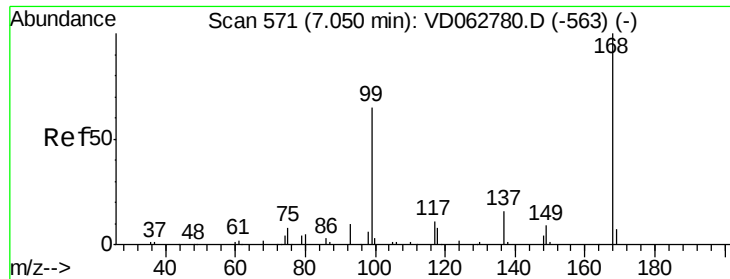
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	212712	18.493	µg/l	96
94) Hexachlorobutadiene	16.03	225	143468	16.327	µg/l	96
95) Naphthalene	16.12	128	337478	20.933	µg/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	179455	20.305	µg/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

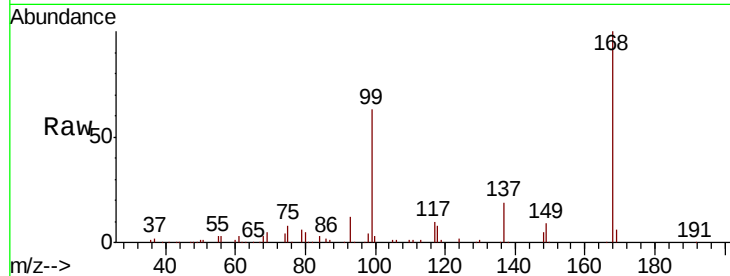
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 747448

Ion Ratio Lower Upper

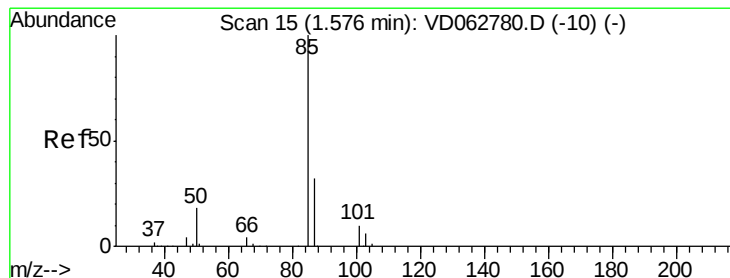
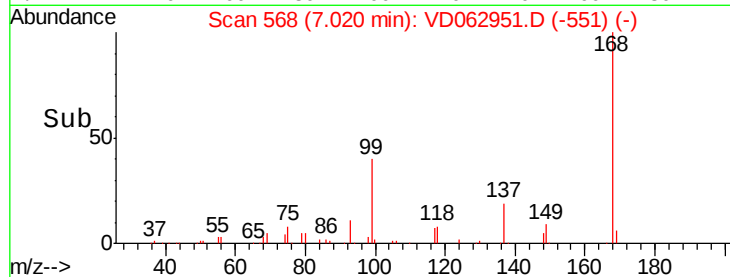
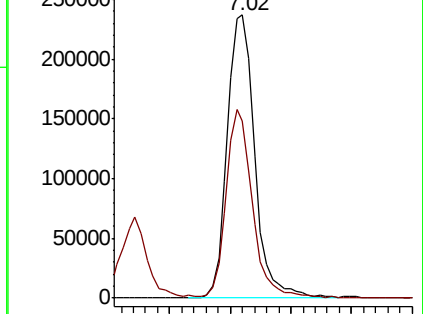
168 100

99 62.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.031 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062951.D

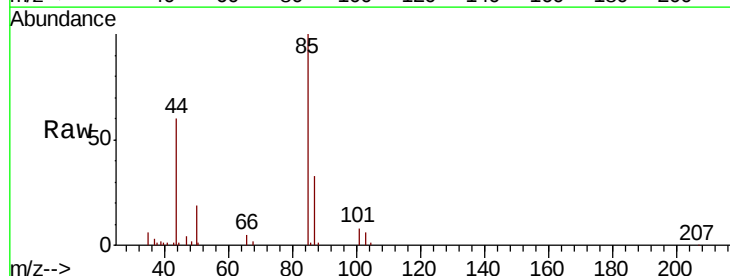
Acq: 28 Jun 2019 2:55

Tgt Ion: 85 Resp: 203421

Ion Ratio Lower Upper

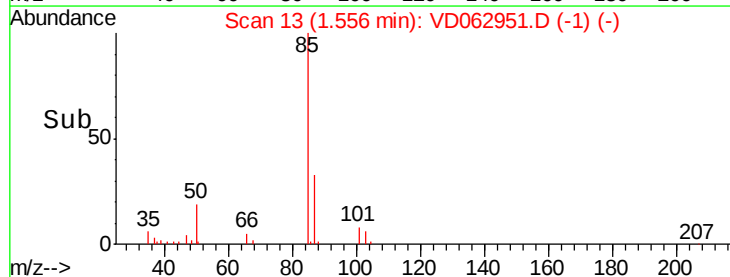
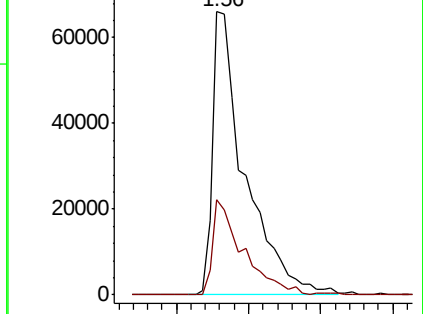
85 100

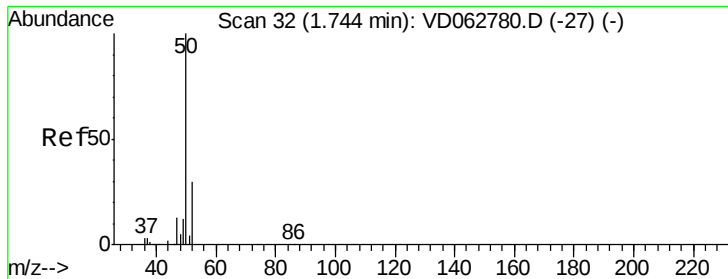
87 33.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.571 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

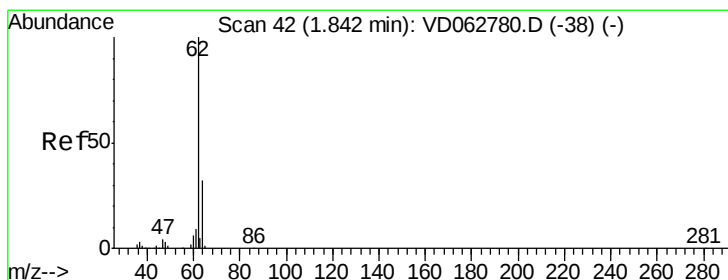
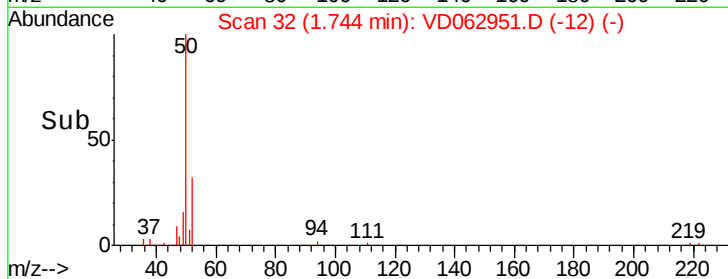
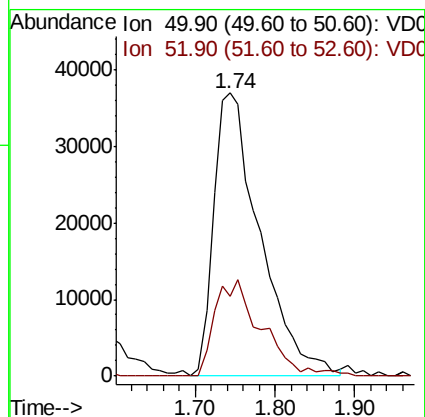
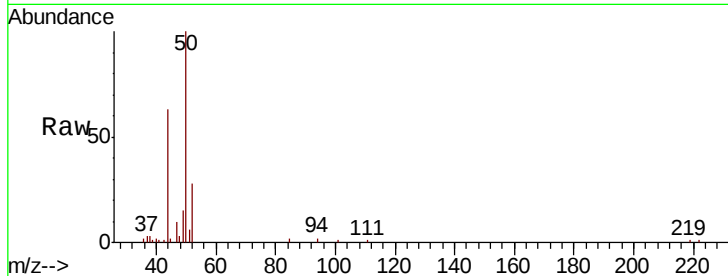
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 149636

Ion Ratio Lower Upper

50 100

52 28.3 23.6 35.4



#4

Vinyl Chloride

Concen: 20.070 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062951.D

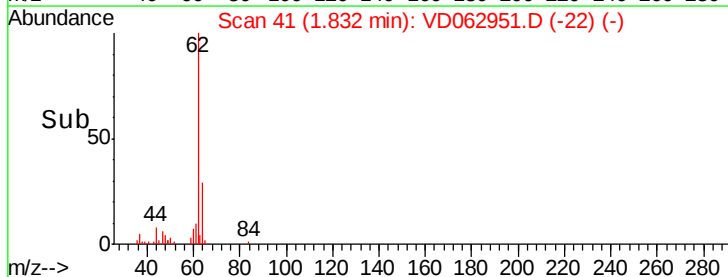
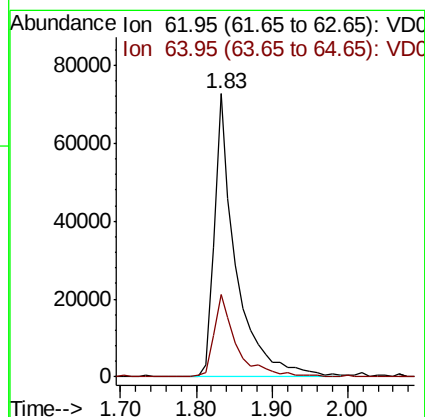
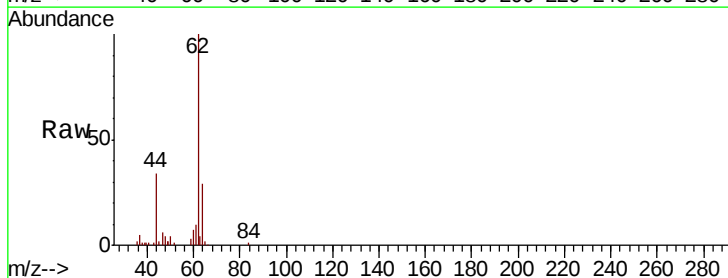
Acq: 28 Jun 2019 2:55

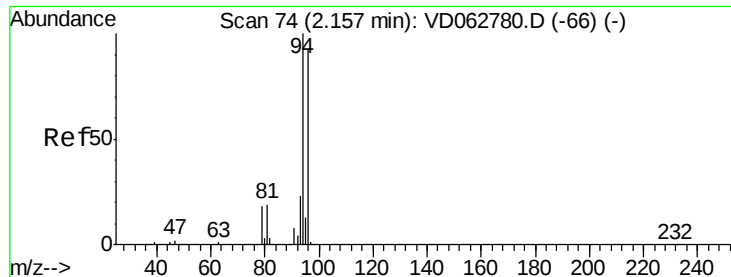
Tgt Ion: 62 Resp: 144752

Ion Ratio Lower Upper

62 100

64 29.3 25.6 38.4





#5

Bromomethane

Concen: 16.115 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

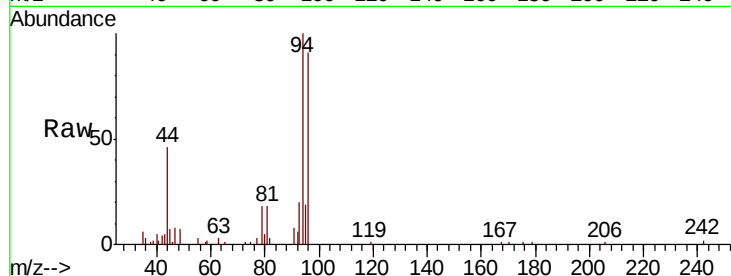
Tot Ion: 94 Resp: 54429

Ion Ratio Lower Upper

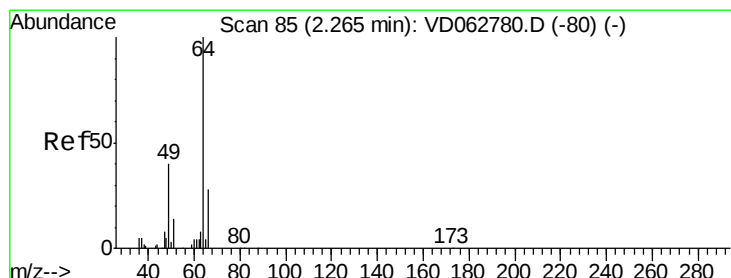
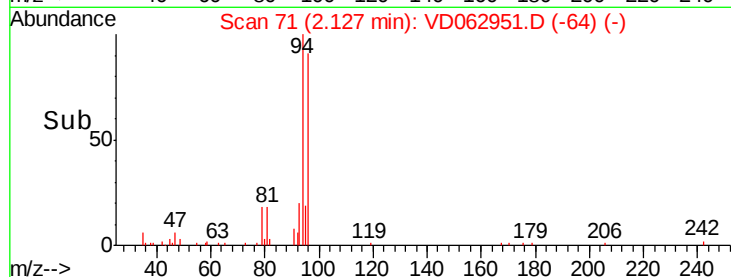
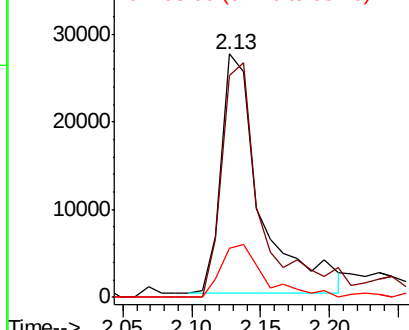
94 100

96 91.1 73.4 110.2

93 20.2 18.2 27.4



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



#6

Chloroethane

Concen: 20.075 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062951.D

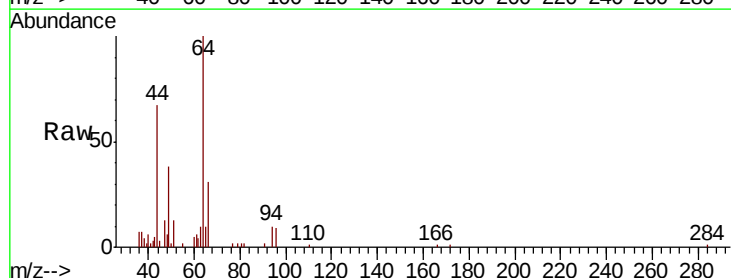
Acq: 28 Jun 2019 2:55

Tgt Ion: 64 Resp: 65549

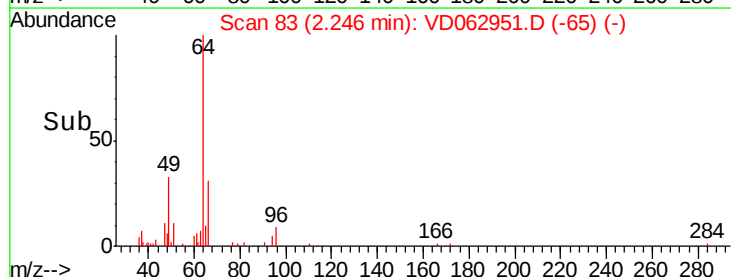
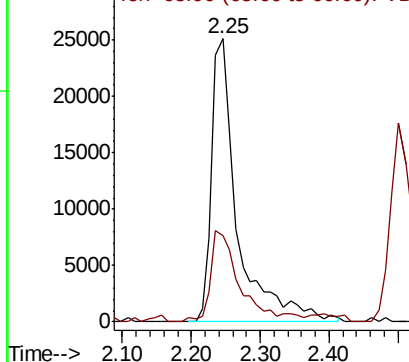
Ion Ratio Lower Upper

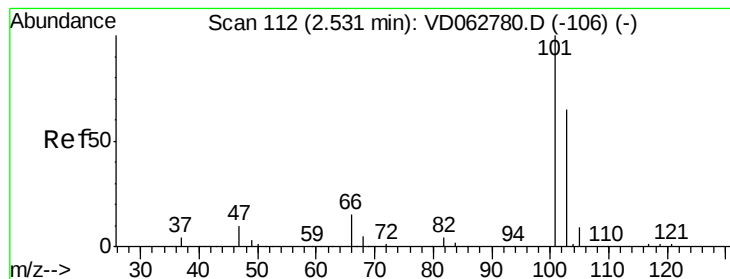
64 100

66 30.7 23.0 34.4



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



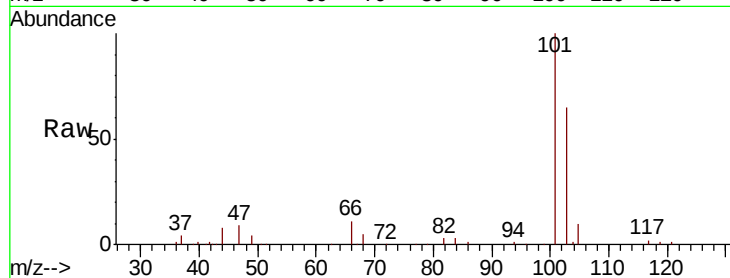


#7

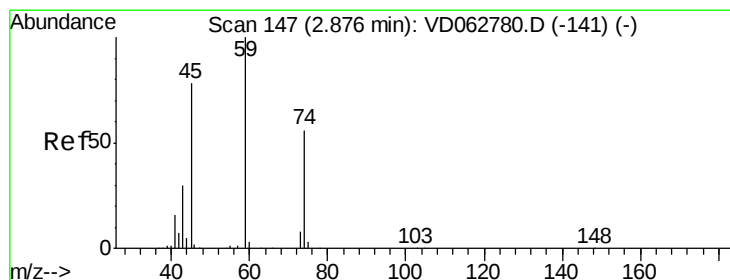
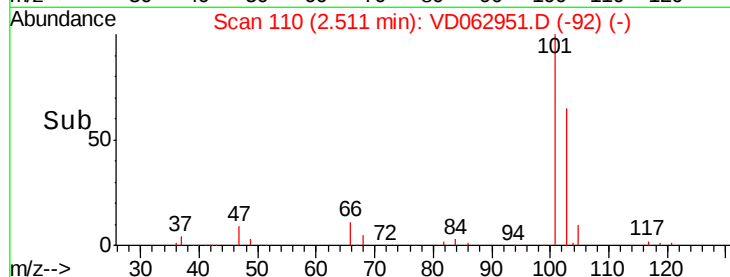
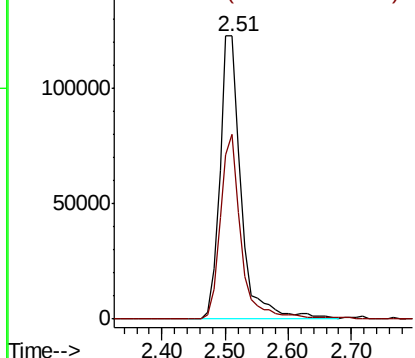
Trichlorofluoromethane
Concen: 19.890 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 290322
Ion Ratio Lower Upper
101 100
103 65.4 51.8 77.8



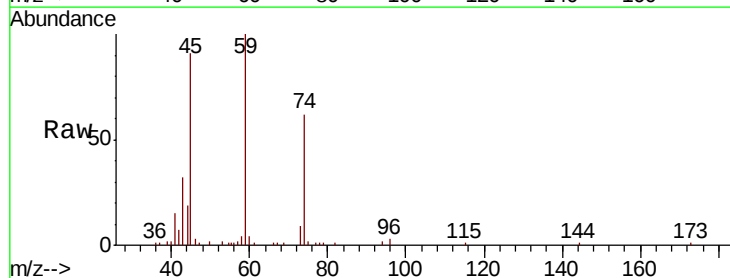
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



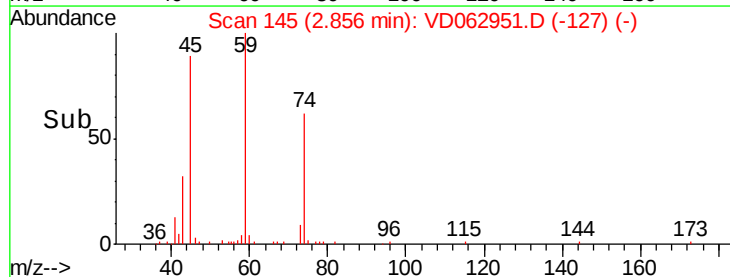
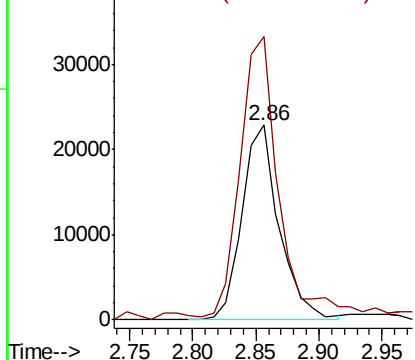
#8

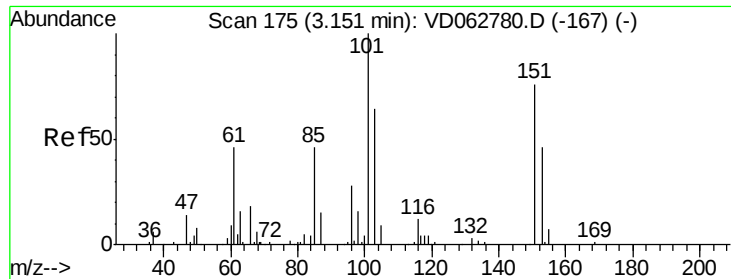
Diethyl Ether
Concen: 25.187 ug/l
RT: 2.86 min Scan# 145
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion: 74 Resp: 46711
Ion Ratio Lower Upper
74 100
45 145.6 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.402 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

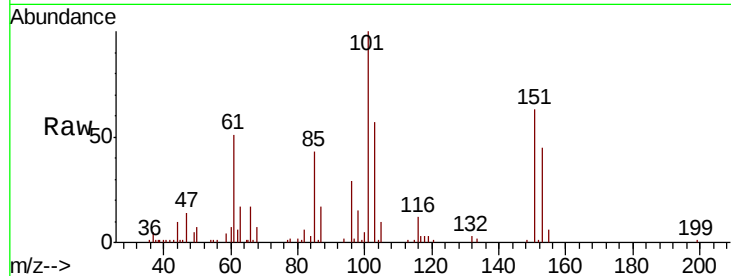
Tot Ion:101 Resp: 153425

Ion Ratio Lower Upper

101 100

85 42.7 37.0 55.4

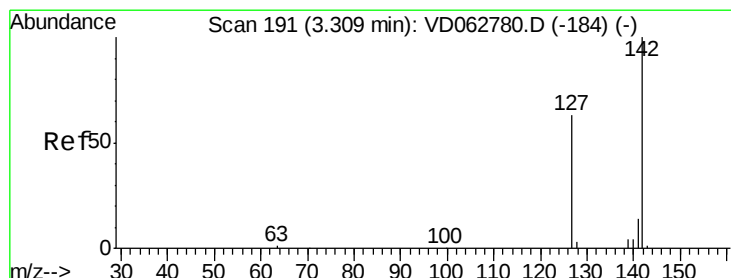
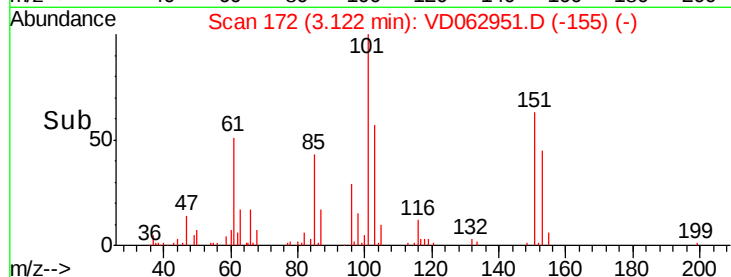
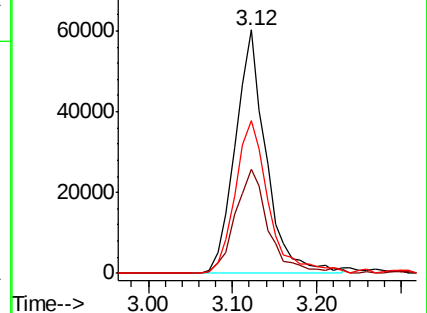
151 62.7 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.784 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

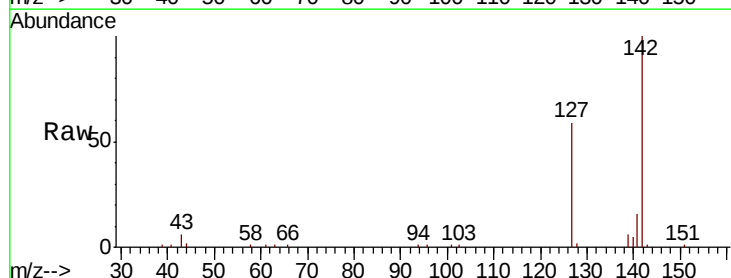
Tgt Ion:142 Resp: 206392

Ion Ratio Lower Upper

142 100

127 58.8 50.1 75.1

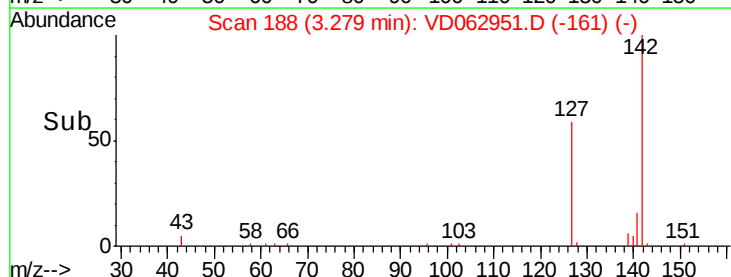
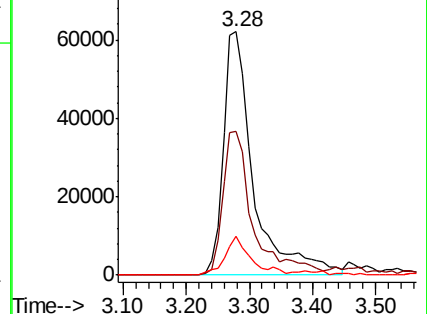
141 16.0 11.0 16.4

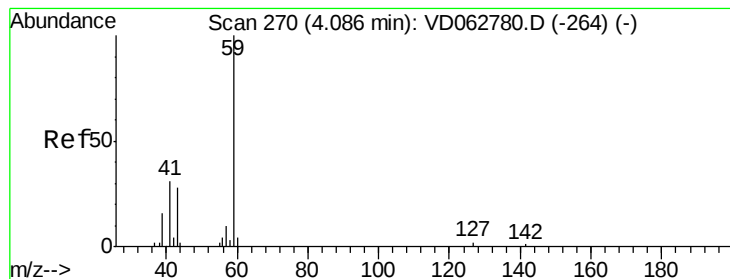


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



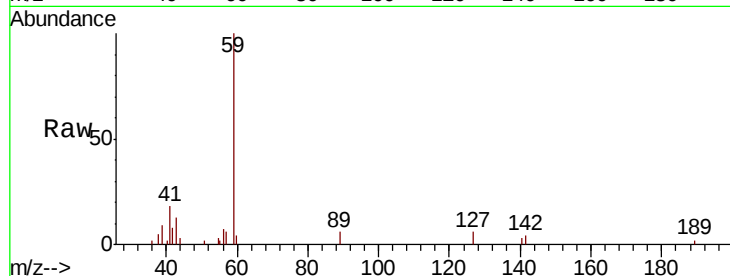


#11

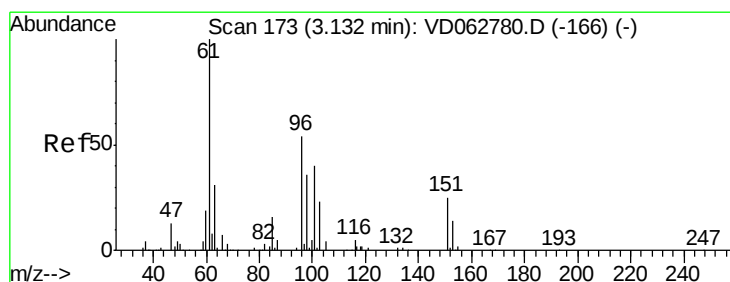
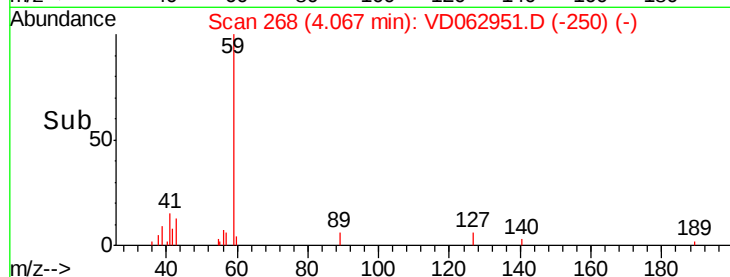
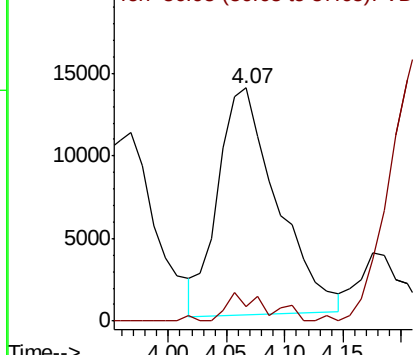
Tert butyl alcohol
 Concen: 130.739 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 48378
 Ion Ratio Lower Upper
 59 100
 57 6.5 6.6 10.0#



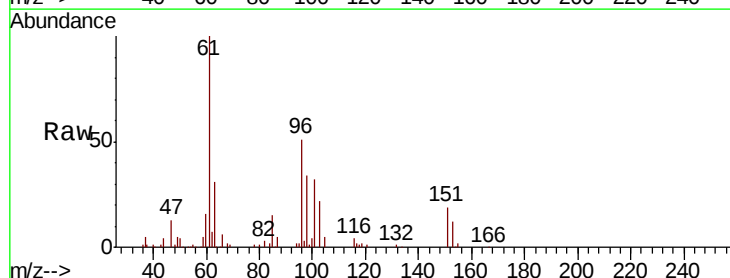
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



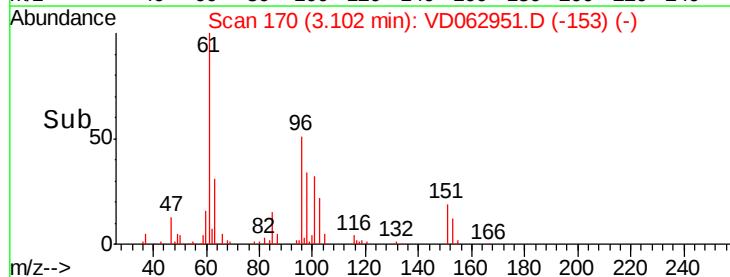
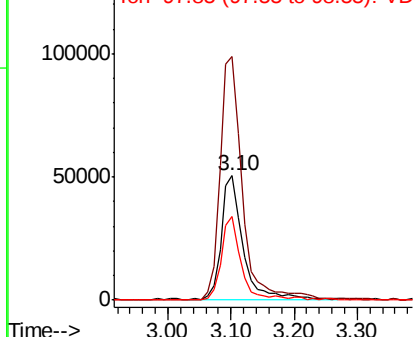
#12

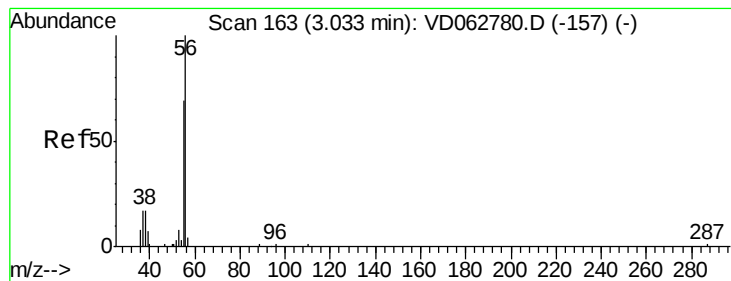
1,1-Dichloroethene
 Concen: 19.784 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion: 96 Resp: 117360
 Ion Ratio Lower Upper
 96 100
 61 195.7 147.1 220.7
 98 66.8 52.6 79.0



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





#13

Acrolein

Concen: 73.954 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

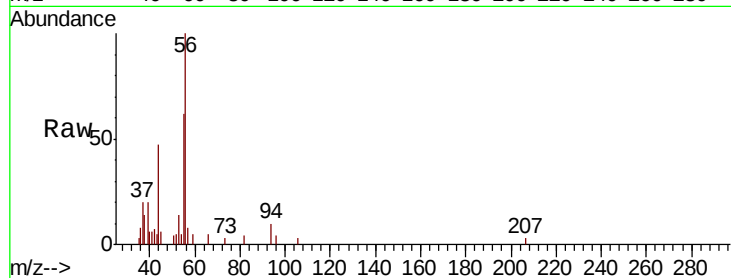
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 27937

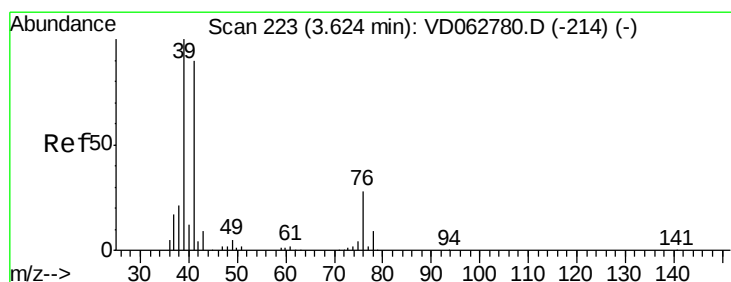
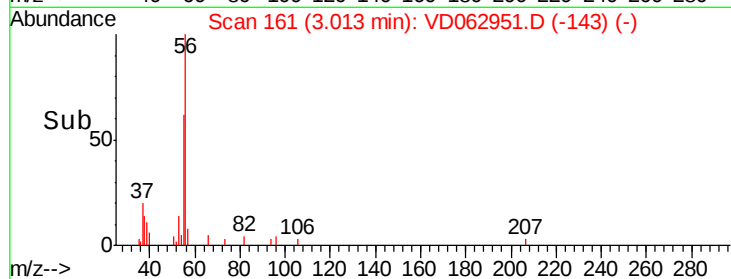
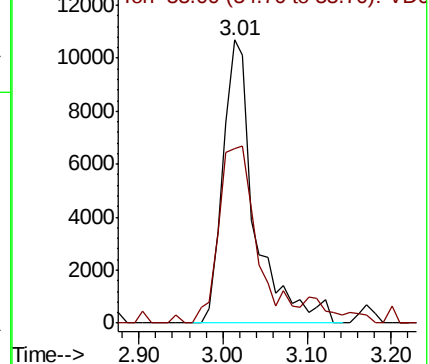
Ion Ratio Lower Upper

56 100

55 61.6 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.663 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

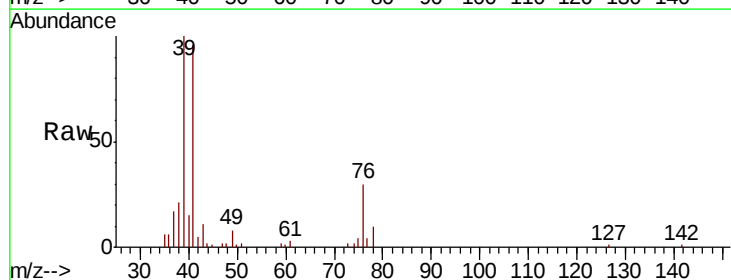
Tgt Ion: 41 Resp: 189880

Ion Ratio Lower Upper

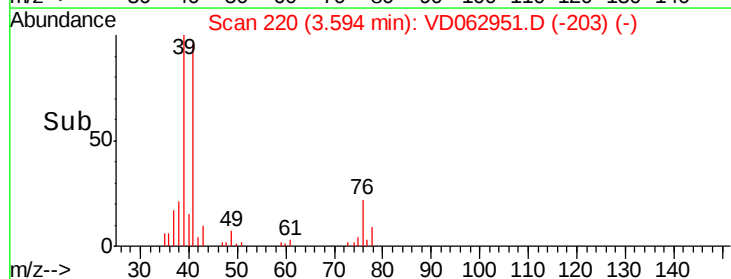
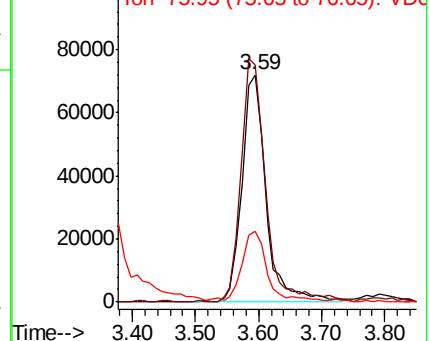
41 100

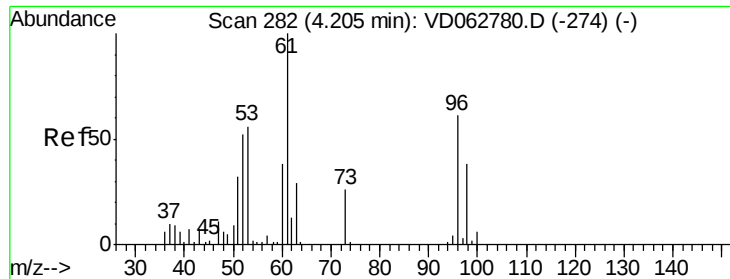
39 104.1 88.8 133.2

76 31.4 26.7 40.1



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 132.248 ug/l

RT: 4.18 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampled :

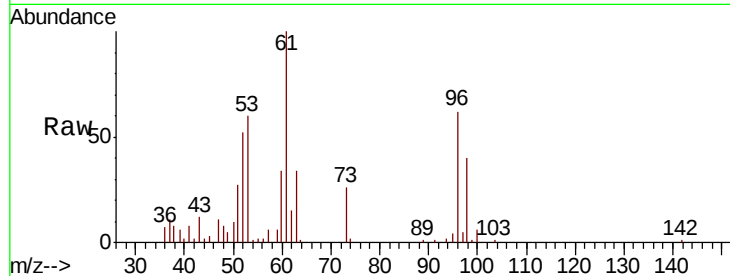
Tot Ion: 53 Resp: 114987

Ion Ratio Lower Upper

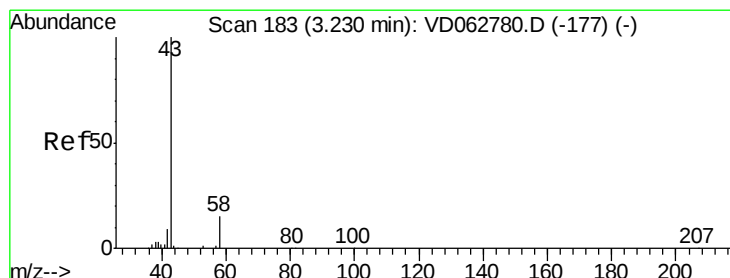
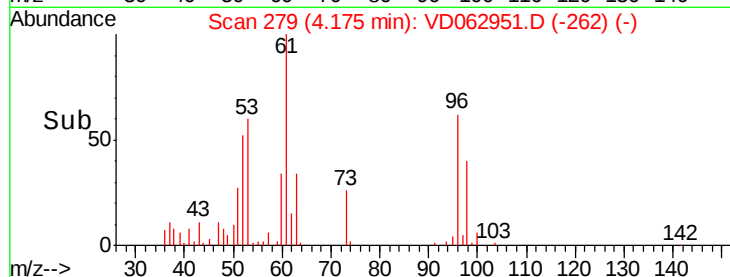
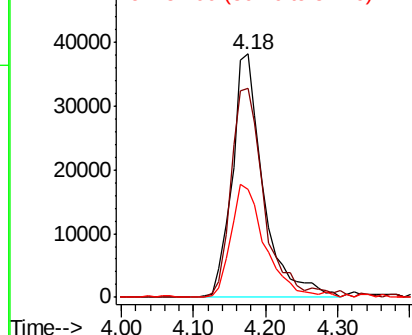
53 100

52 86.0 73.3 109.9

51 44.4 44.8 67.2#



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



#16

Acetone

Concen: 102.833 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062951.D

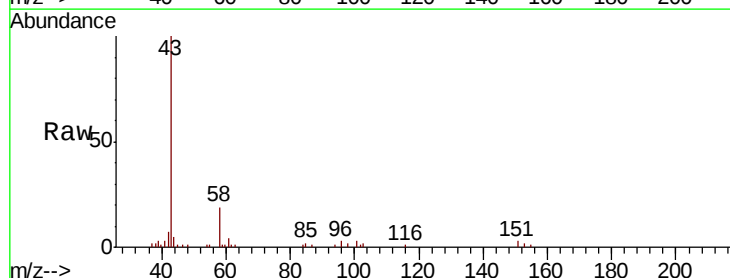
Acq: 28 Jun 2019 2:55

Tgt Ion: 43 Resp: 176213

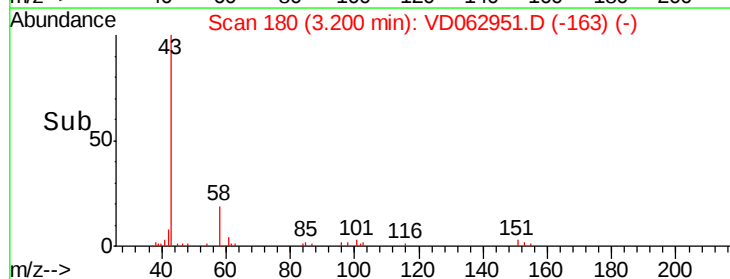
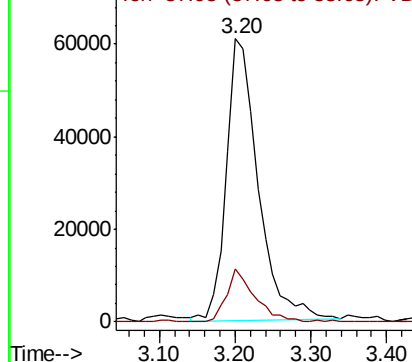
Ion Ratio Lower Upper

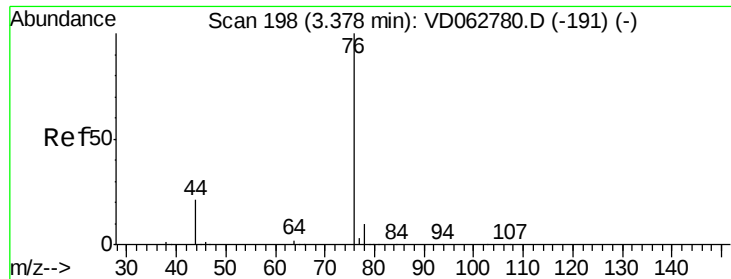
43 100

58 18.9 11.9 17.9#



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

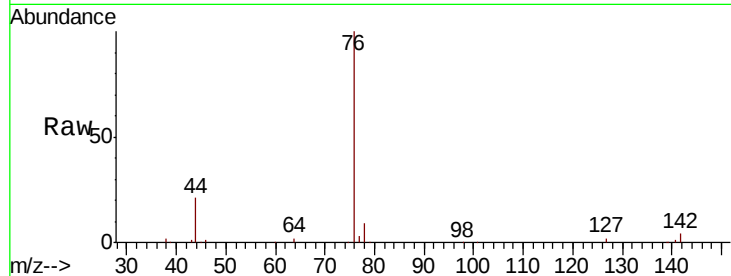




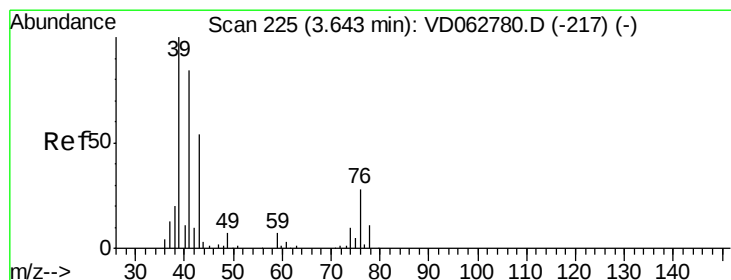
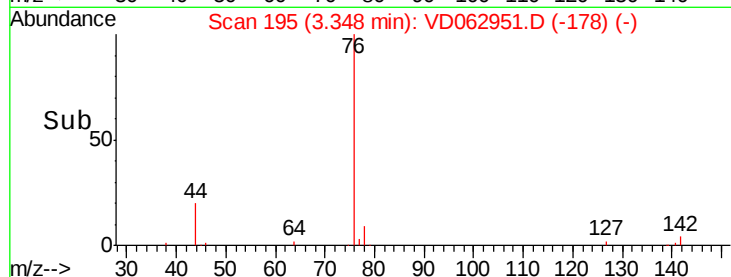
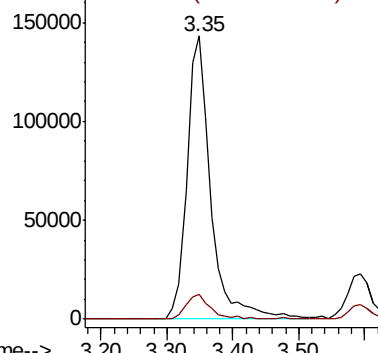
#17
Carbon Disulfide
Concen: 18.777 ug/l
RT: 3.35 min Scan# 195
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 355988
Ion Ratio Lower Upper
76 100
78 8.7 8.0 12.0

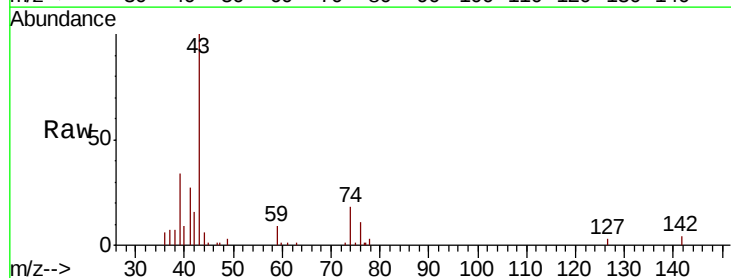


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

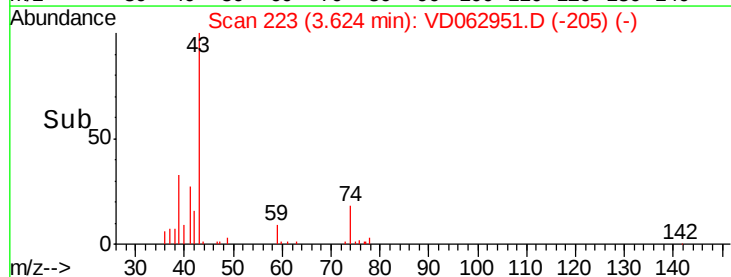
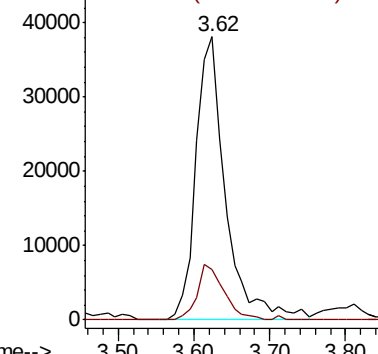


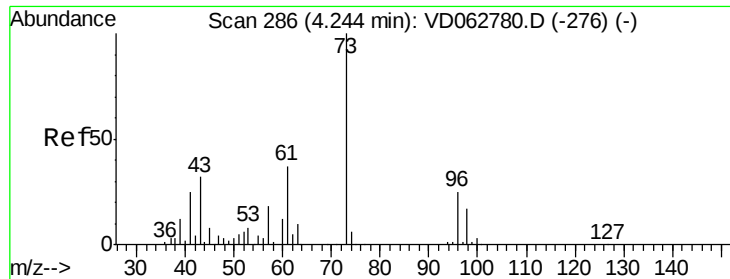
#18
Methyl Acetate
Concen: 42.112 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion: 43 Resp: 103284
Ion Ratio Lower Upper
43 100
74 17.8 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



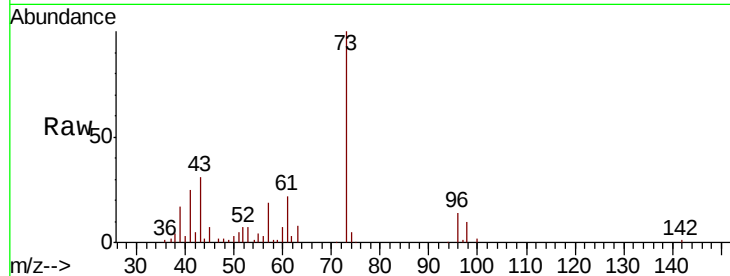


#19

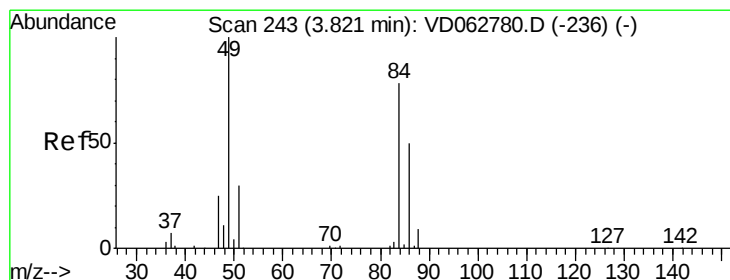
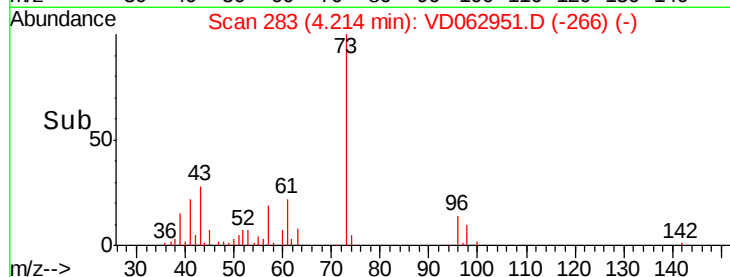
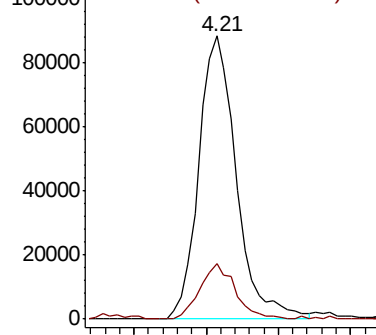
Methyl tert-butyl Ether
 Concen: 24.915 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 73 Resp: 319955
 Ion Ratio Lower Upper
 73 100
 57 19.4 14.3 21.5



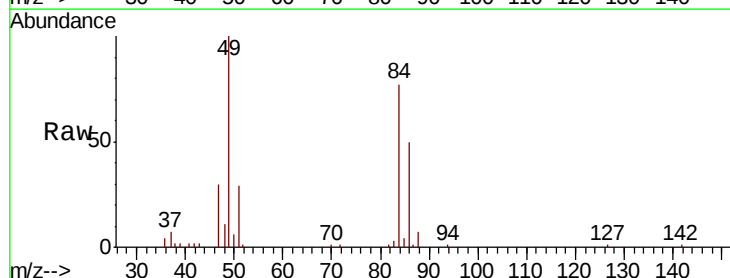
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



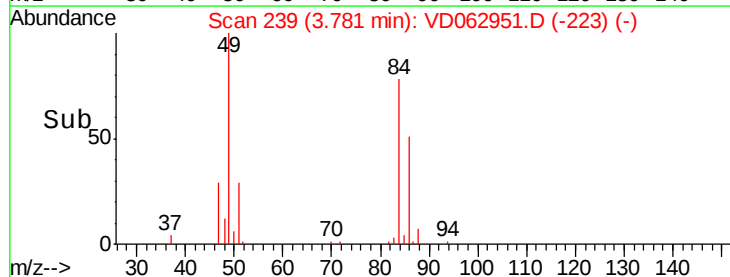
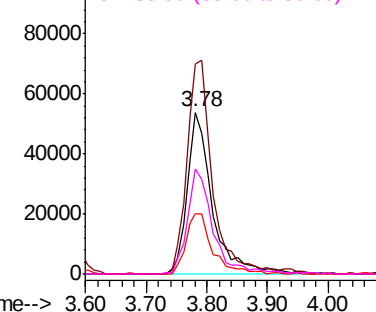
#20

Methylene Chloride
 Concen: 25.117 ug/l
 RT: 3.78 min Scan# 239
 Delta R.T. -0.04 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion: 84 Resp: 155633
 Ion Ratio Lower Upper
 84 100
 49 130.0 102.9 154.3
 51 37.1 31.2 46.8
 86 64.8 51.4 77.2



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





#21

trans-1,2-Dichloroethene

Concen: 21.650 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampled :

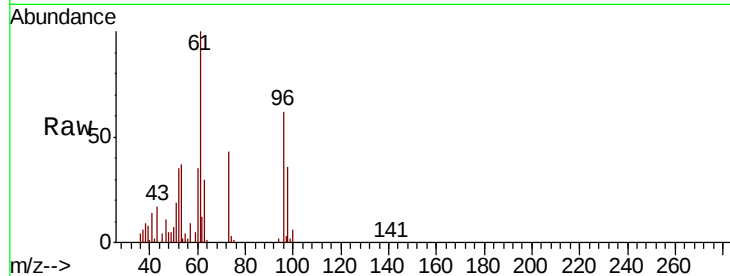
Tot Ion: 96 Resp: 136747

Ion Ratio Lower Upper

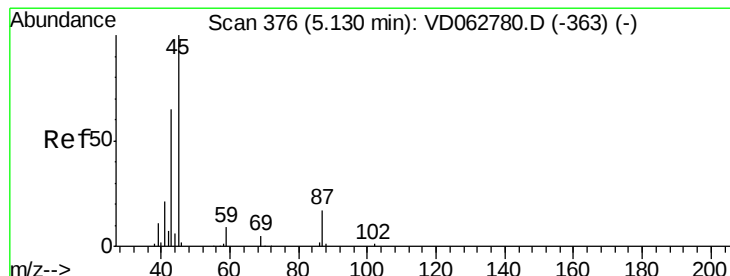
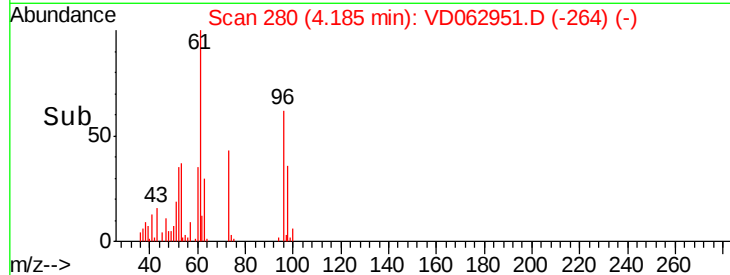
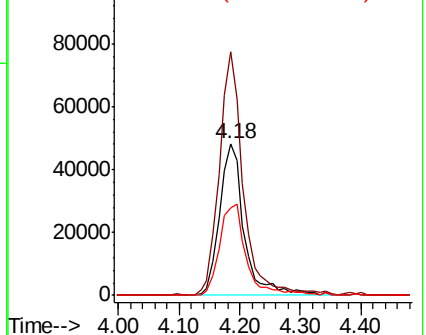
96 100

61 160.5 131.0 196.4

98 57.8 53.2 79.8



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



#22

Diisopropyl ether

Concen: 23.729 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Tgt Ion: 45 Resp: 422970

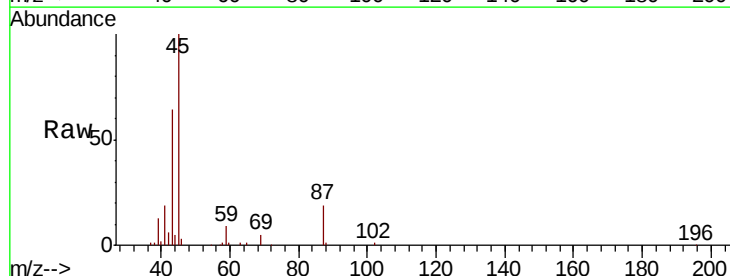
Ion Ratio Lower Upper

45 100

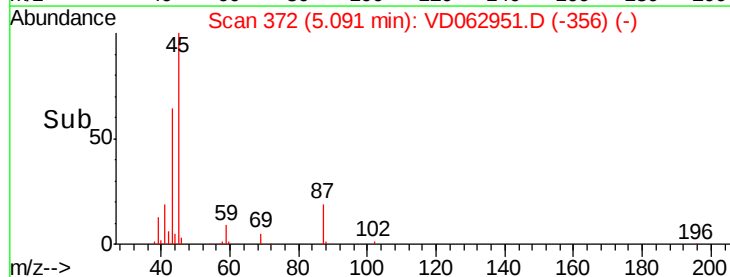
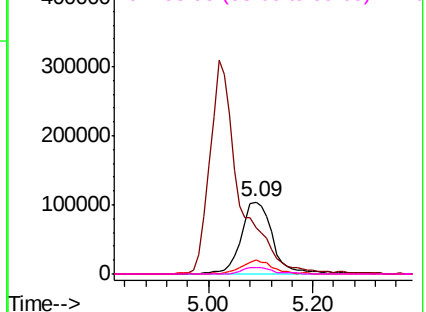
43 63.9 53.4 80.0

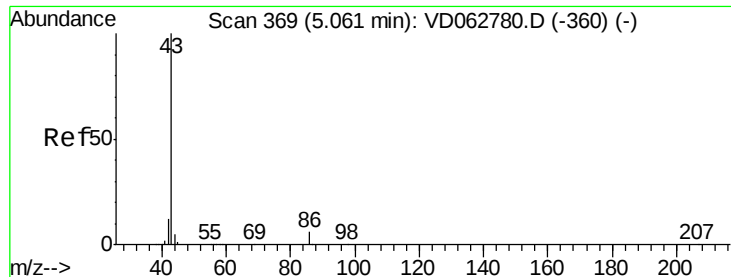
87 18.8 14.6 22.0

59 9.2 7.8 11.8



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





#23

Vinyl Acetate

Concen: 108.463 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

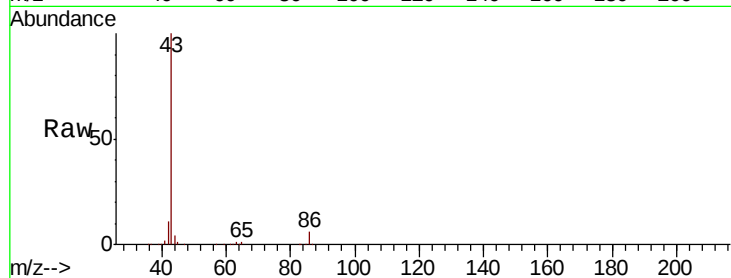
ClientSampleId :

Tot Ion: 43 Resp: 1209801

Ion Ratio Lower Upper

43 100

86 5.6 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-360) (-)

Ion 86.00 (85.70 to 86.70): VD062780.D (-360) (-)

5.02

300000

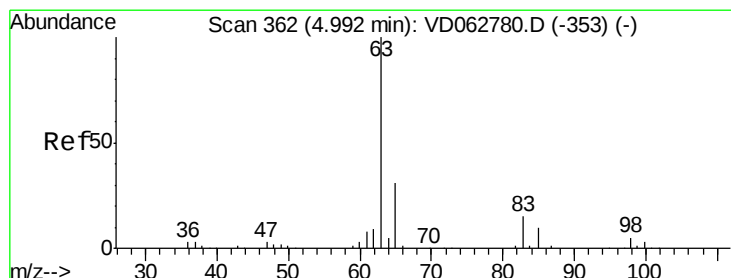
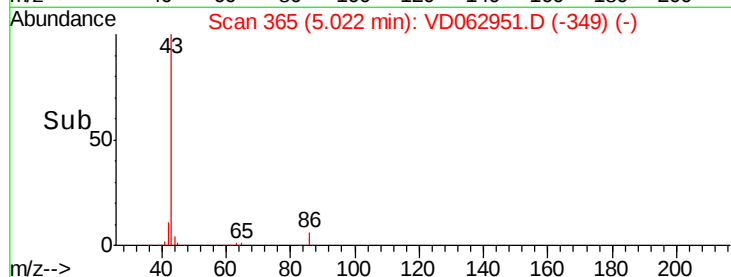
200000

100000

0

4.90 5.00 5.10 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 22.163 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.04 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

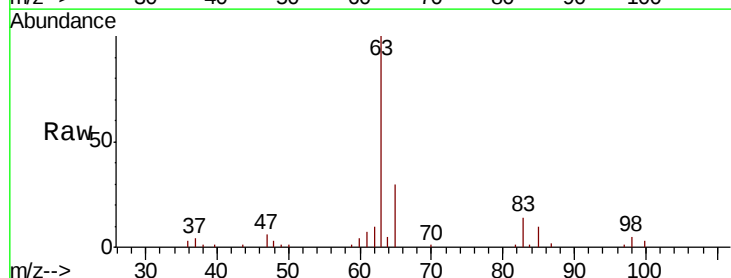
Tgt Ion: 63 Resp: 257214

Ion Ratio Lower Upper

63 100

98 5.3 2.3 6.9

100 3.1 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VD062780.D (-353) (-)

Ion 97.95 (97.65 to 98.65): VD062780.D (-353) (-)

Ion 99.95 (99.65 to 100.65): VD062780.D (-353) (-)

4.95

80000

60000

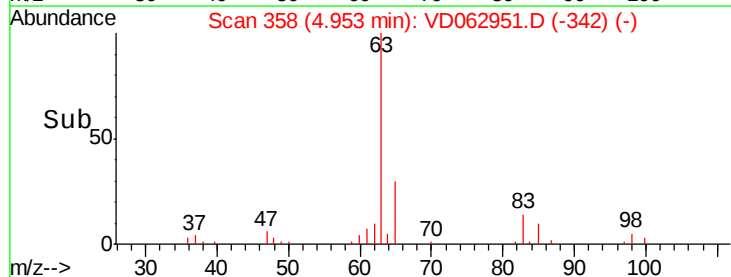
40000

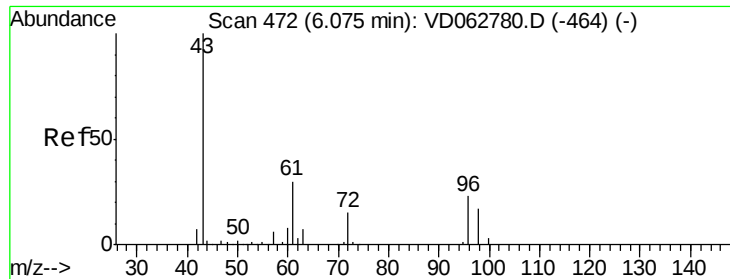
20000

0

4.80 4.90 5.00 5.10

Time-->





#25

2-Butanone

Concen: 119.541 ug/l

RT: 6.05 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

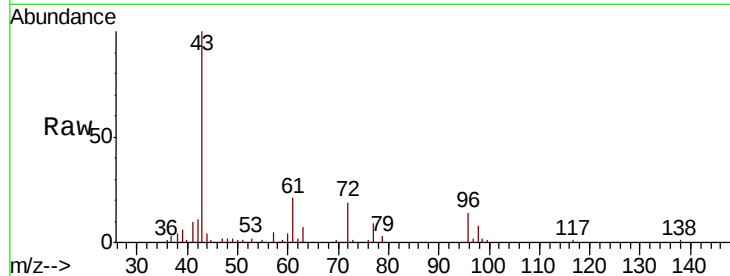
ClientSampleId :

Tot Ion: 43 Resp: 181649

Ion Ratio Lower Upper

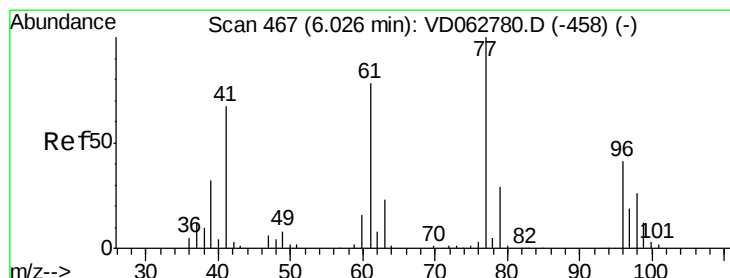
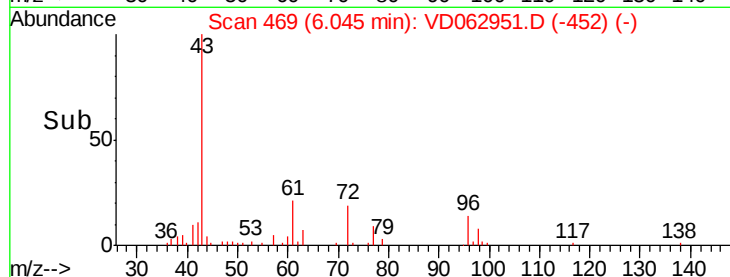
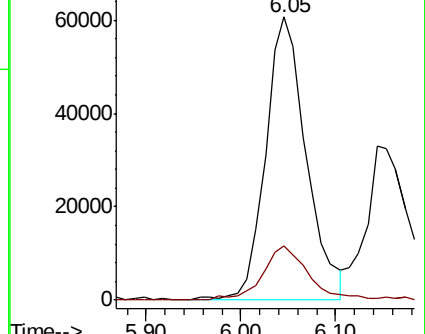
43 100

72 19.3 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 17.795 ug/l

RT: 6.00 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062951.D

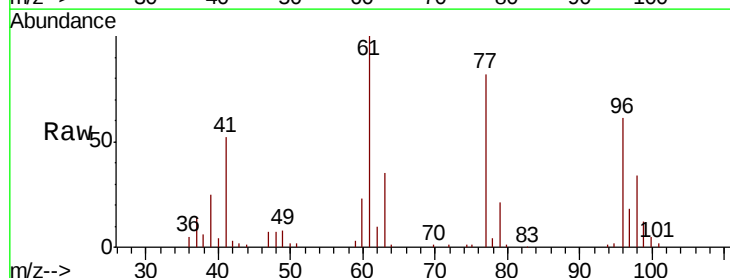
Acq: 28 Jun 2019 2:55

Tgt Ion: 77 Resp: 218903

Ion Ratio Lower Upper

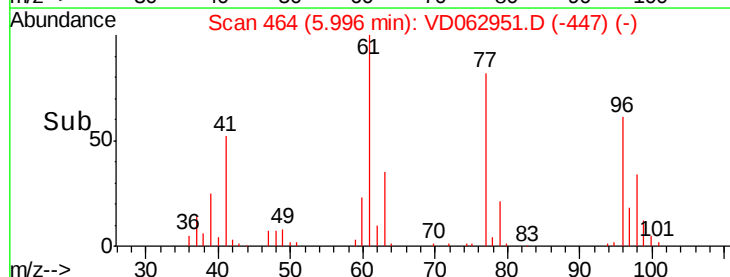
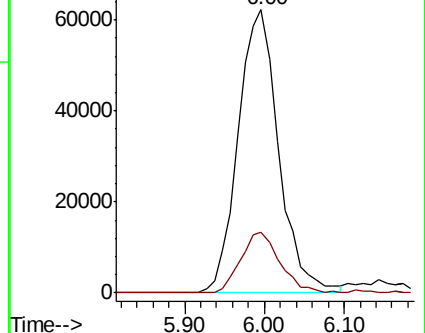
77 100

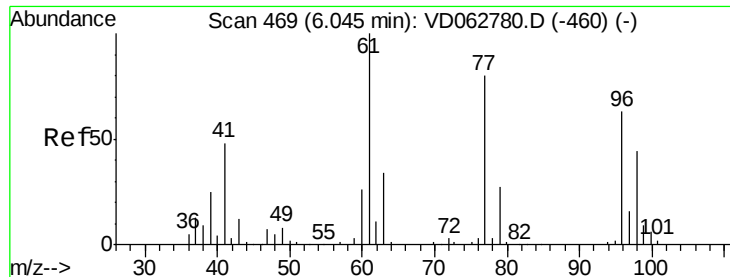
97 21.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



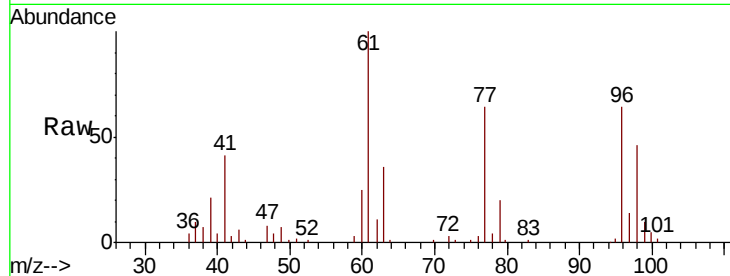


#27

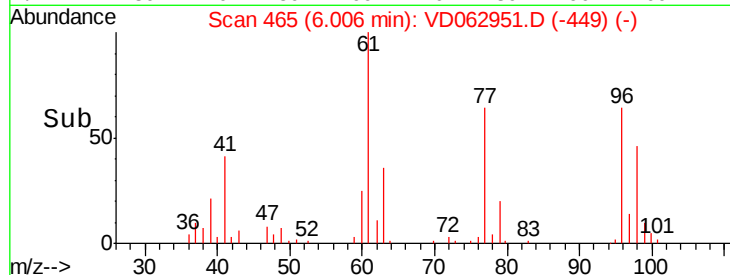
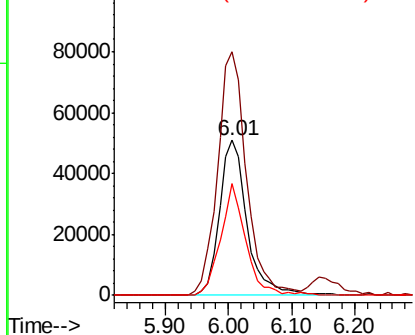
cis-1,2-Dichloroethene
 Concen: 23.258 ug/l
 RT: 6.01 min Scan# 465
 Delta R.T. -0.04 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 155349
 Ion Ratio Lower Upper
 96 100
 61 157.1 0.0 316.0
 98 72.1 0.0 138.4



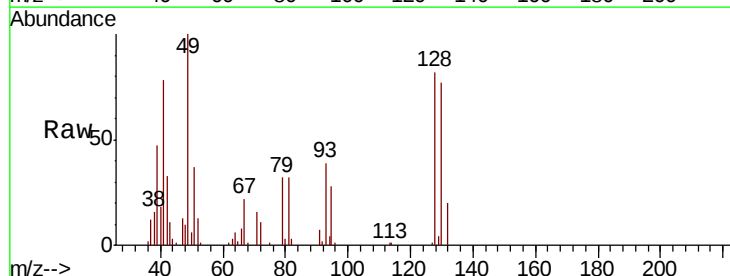
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



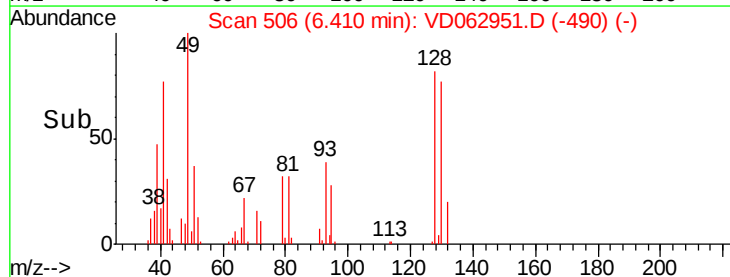
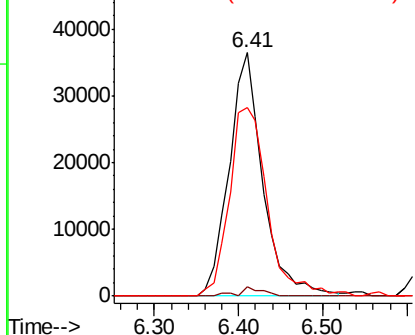
#28

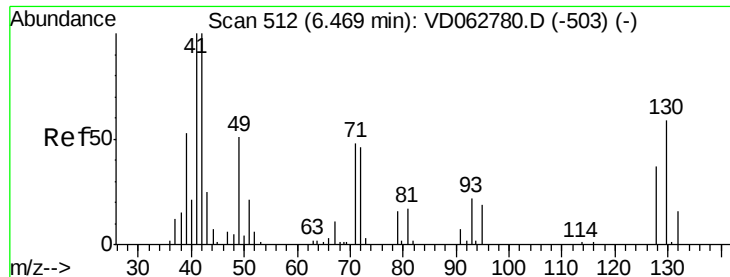
Bromochloromethane
 Concen: 24.859 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion: 49 Resp: 101611
 Ion Ratio Lower Upper
 49 100
 129 4.0 0.0 5.6
 130 77.3 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 140.518 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampled :

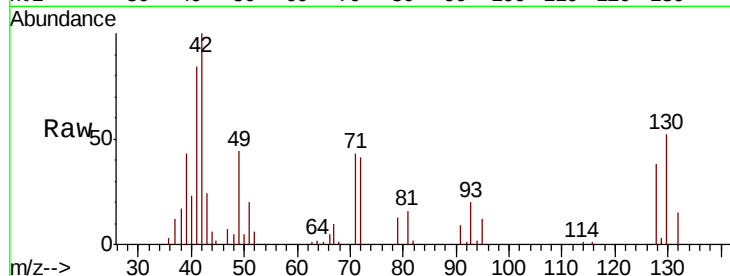
Tot Ion: 42 Resp: 101027

Ion Ratio Lower Upper

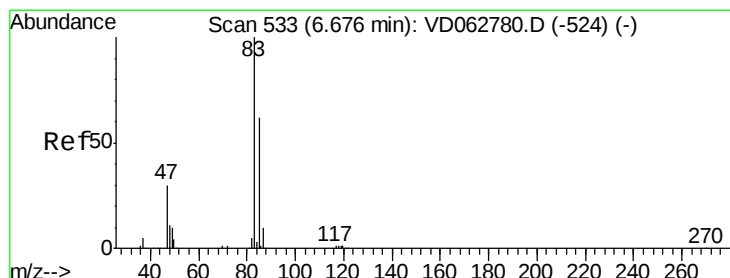
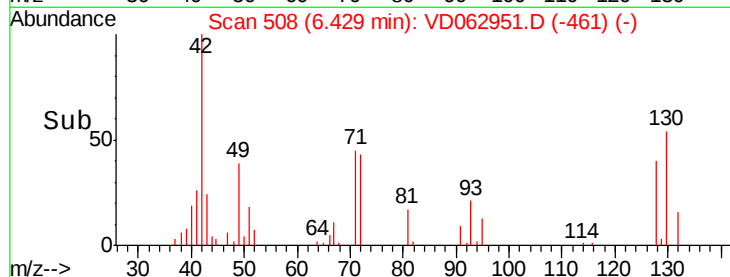
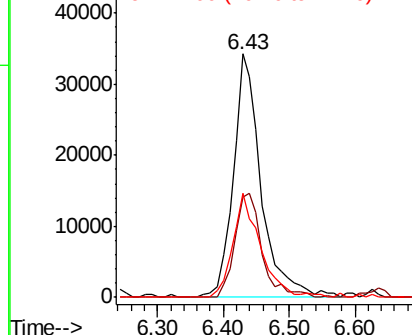
42 100

72 41.7 35.0 52.6

71 41.9 33.3 49.9



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



#30

Chloroform

Concen: 23.310 ug/l

RT: 6.64 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062951.D

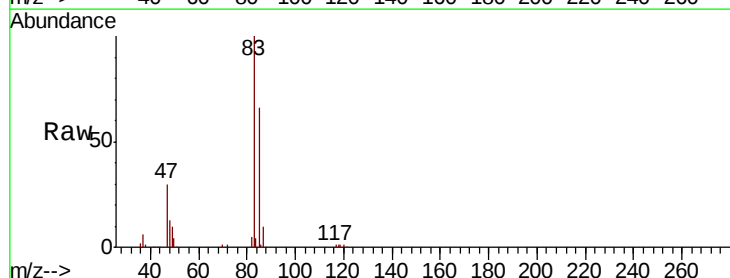
Acq: 28 Jun 2019 2:55

Tgt Ion: 83 Resp: 329001

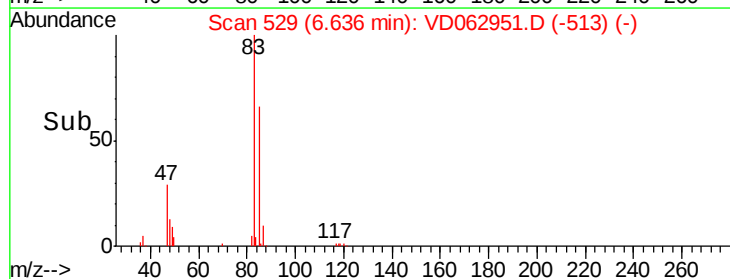
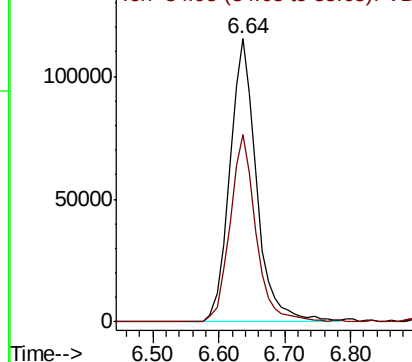
Ion Ratio Lower Upper

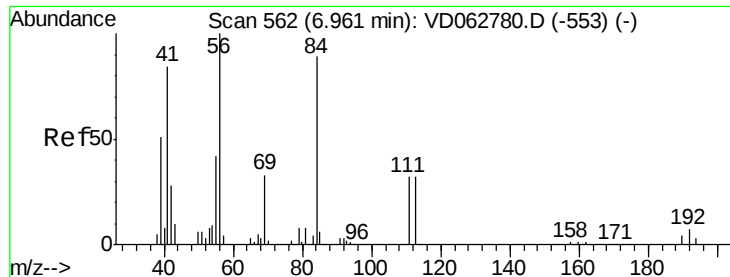
83 100

85 66.3 49.8 74.6



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

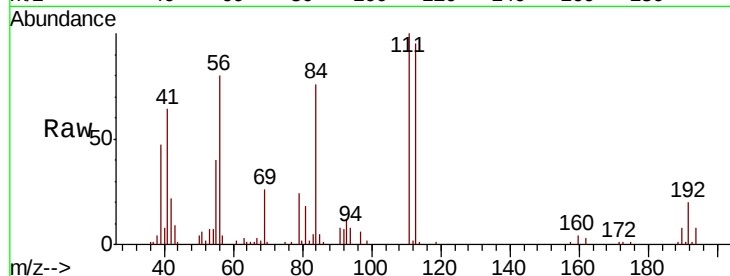




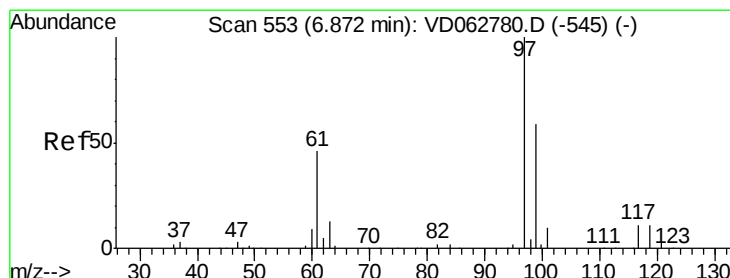
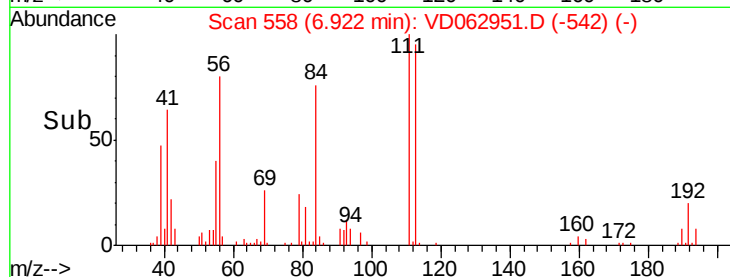
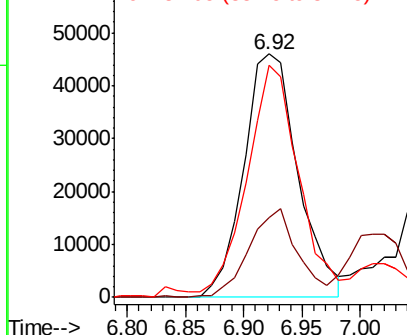
#31
Cyclohexane
Concen: 19.453 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.04 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 148415
Ion Ratio Lower Upper
56 100
69 32.7 26.6 39.8
84 95.3 75.5 113.3

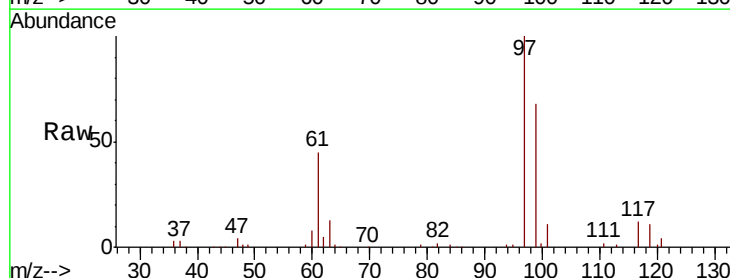


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

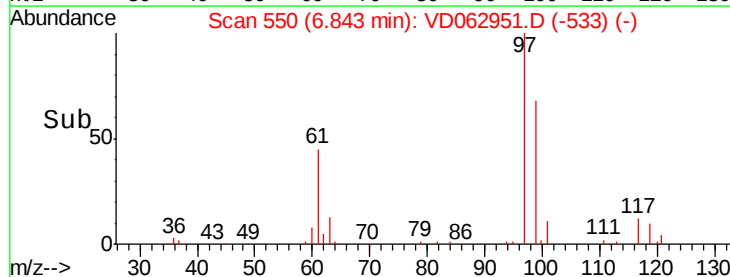
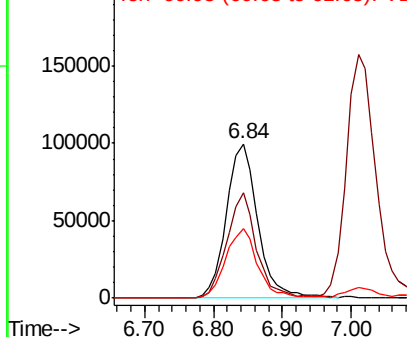


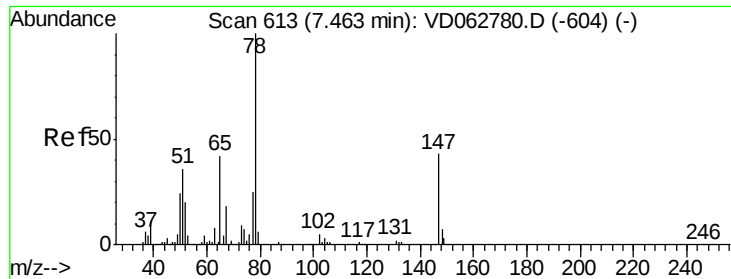
#32
1,1,1-Trichloroethane
Concen: 21.425 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion: 97 Resp: 314972
Ion Ratio Lower Upper
97 100
99 68.3 47.4 71.2
61 44.7 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 56.562 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

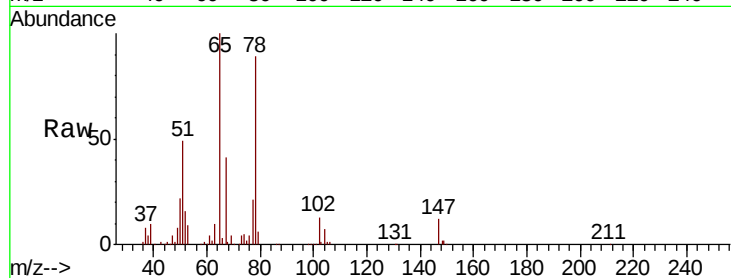
ClientSampleId :

Tot Ion: 65 Resp: 459549

Ion Ratio Lower Upper

65 100

67 40.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.42

150000

100000

50000

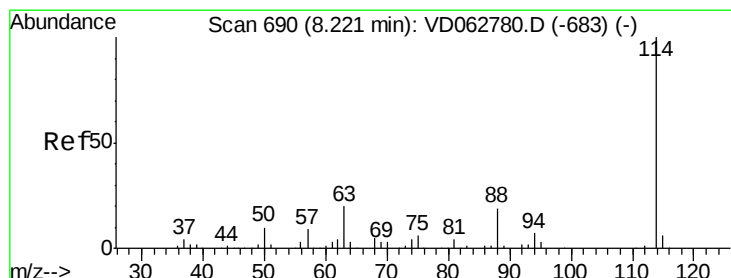
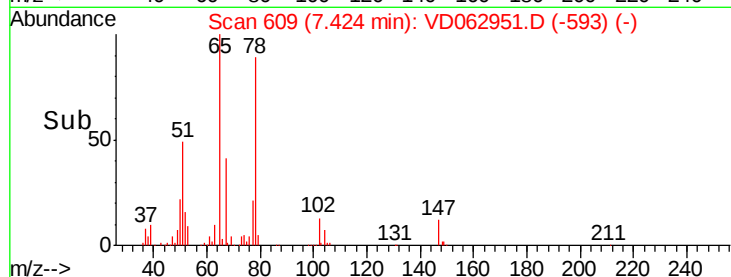
0

Time-->

7.30

7.40

7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

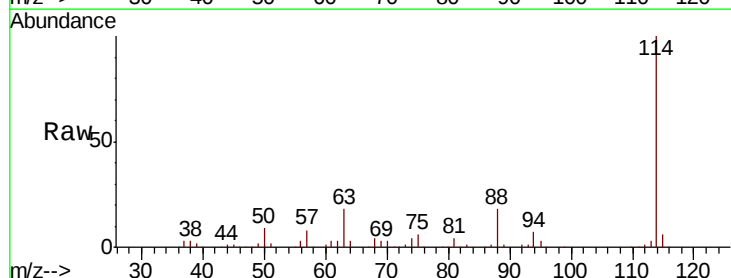
Tgt Ion:114 Resp: 1154846

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.0

88 18.0 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.19

600000

500000

400000

300000

200000

100000

0

Time-->

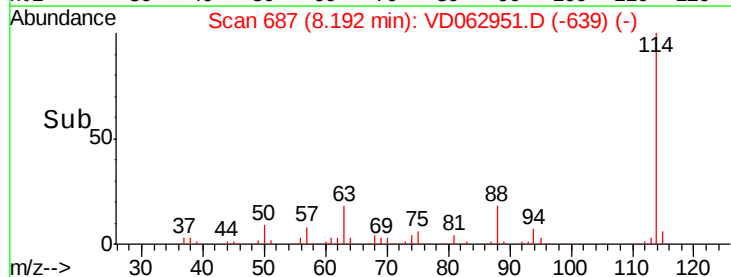
8.00

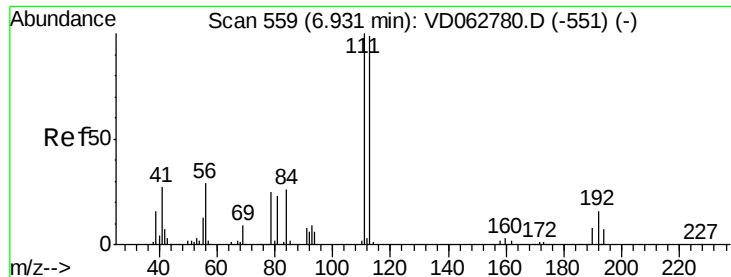
8.10

8.20

8.30

8.40

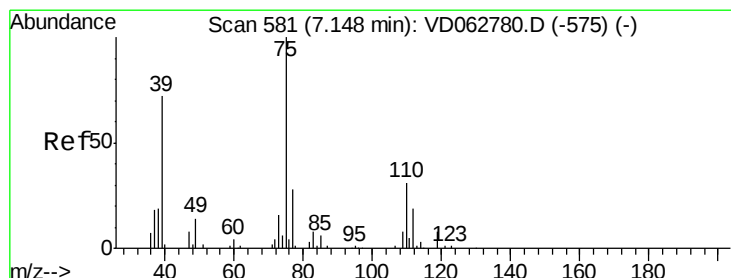
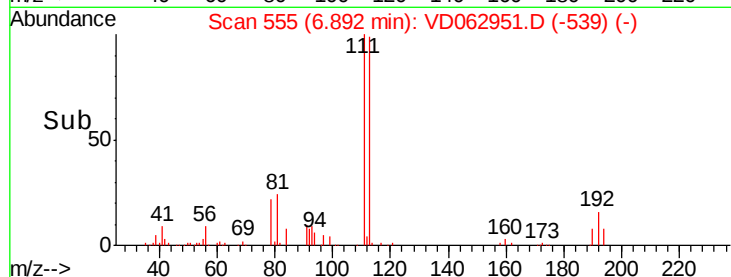
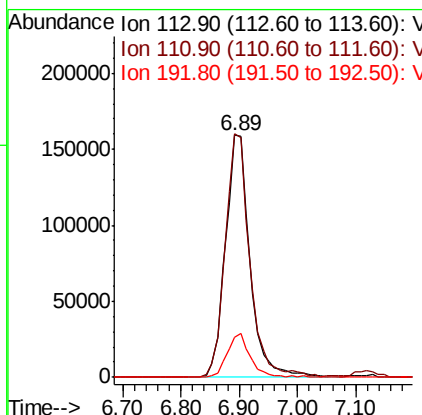
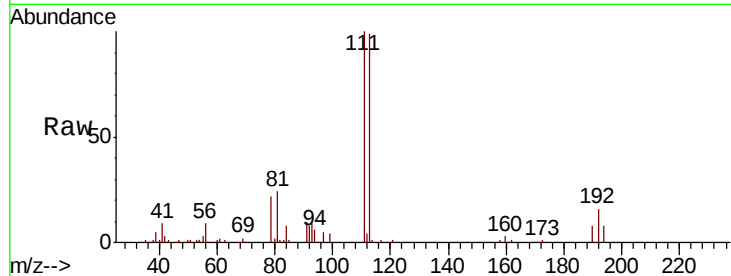




#35
 Dibromofluoromethane
 Concen: 47.775 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

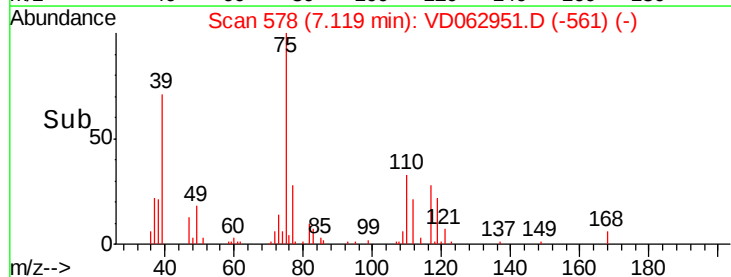
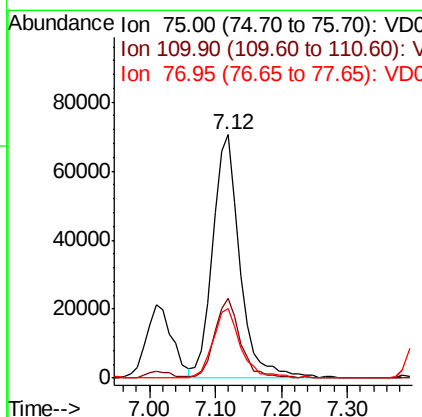
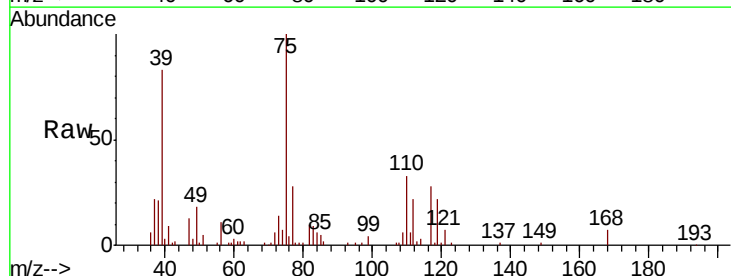
Instrument :
 MSVOA_D
 ClientSampleId :

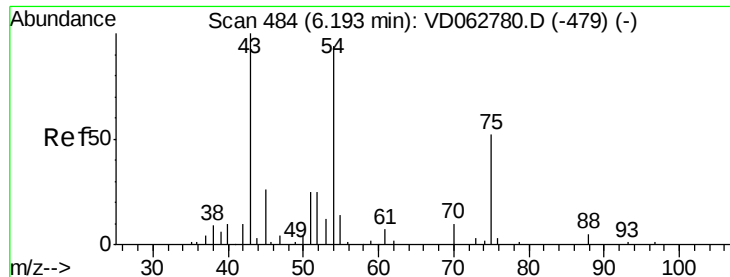
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.2	121.8
192	16.5	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 18.391 ug/l
 RT: 7.12 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	15.0	45.1
77	28.4	22.2	33.2

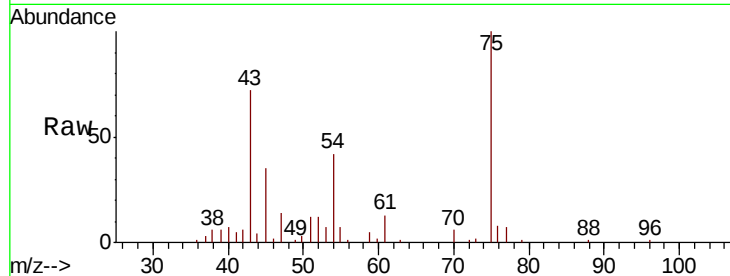




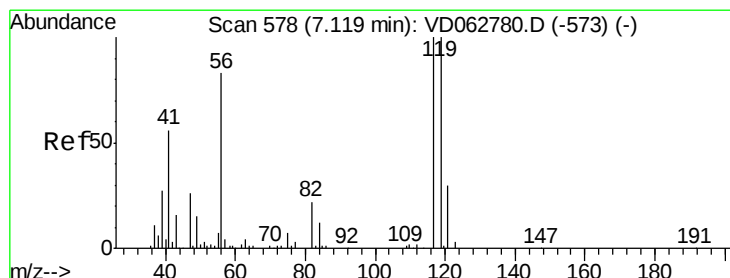
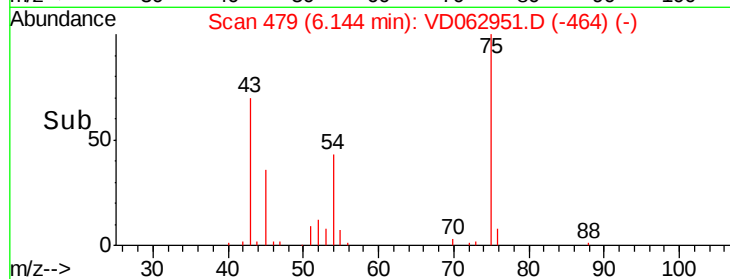
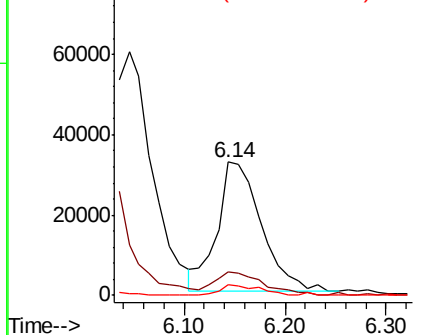
#37
Ethyl Acetate
Concen: 20.695 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.05 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 98003
Ion Ratio Lower Upper
43 100
61 17.6 11.6 17.4#
70 7.7 6.4 9.6

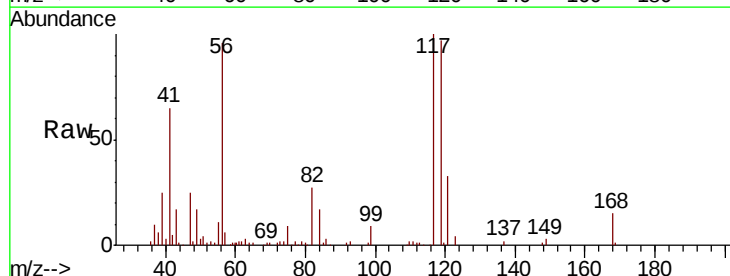


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

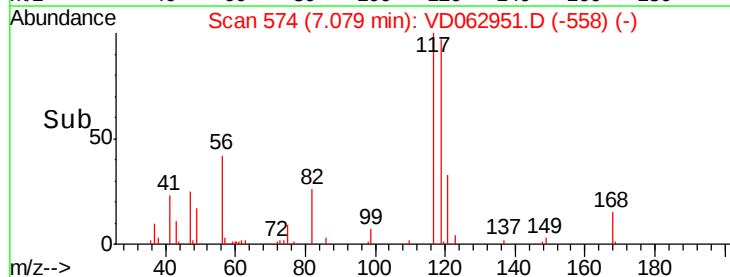
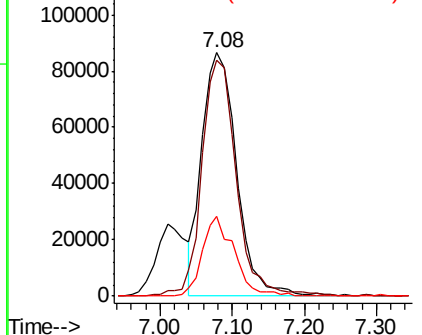


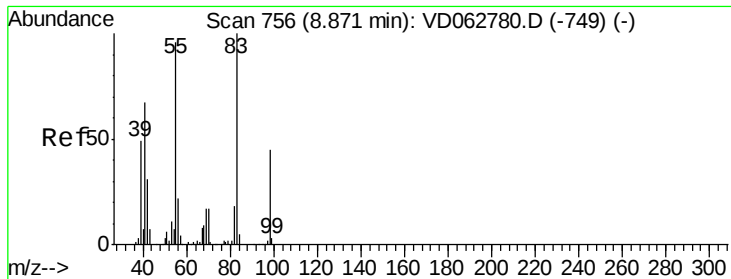
#38
Carbon Tetrachloride
Concen: 17.589 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion: 117 Resp: 289187
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.2
121 32.9 22.3 33.5



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

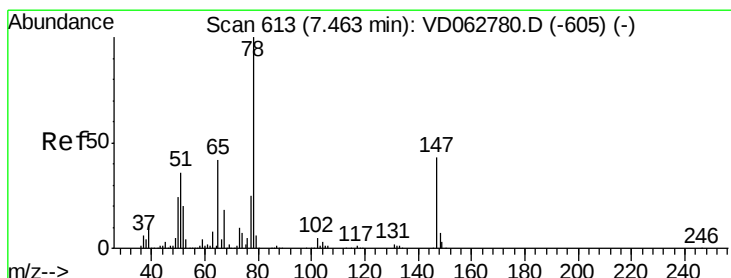
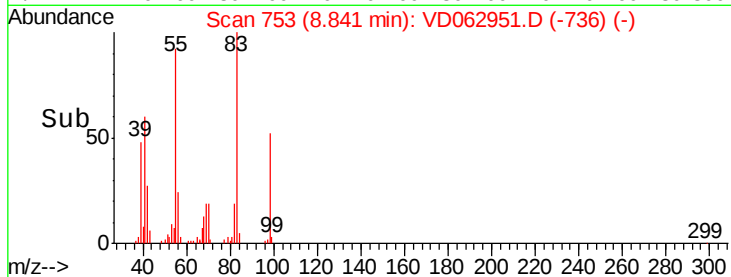
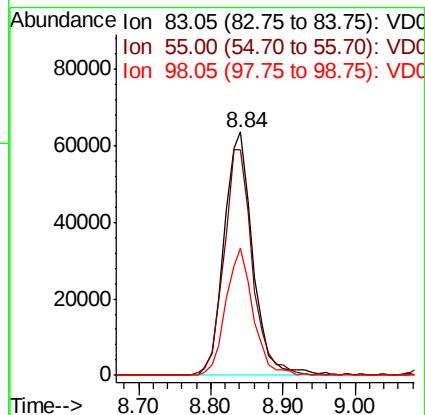
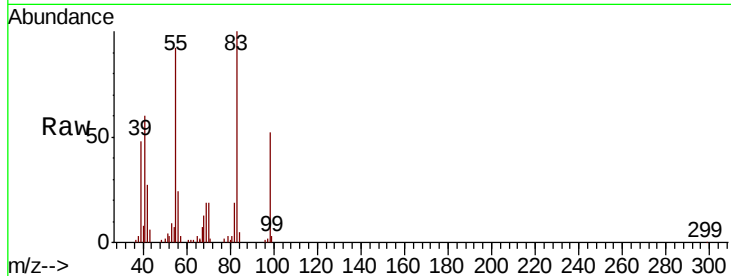




#39
Methvlcvclohexane
Concen: 18.082 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

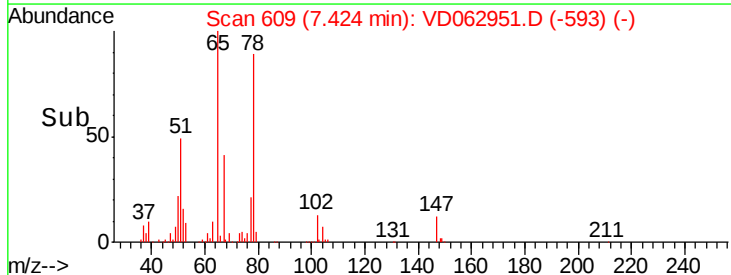
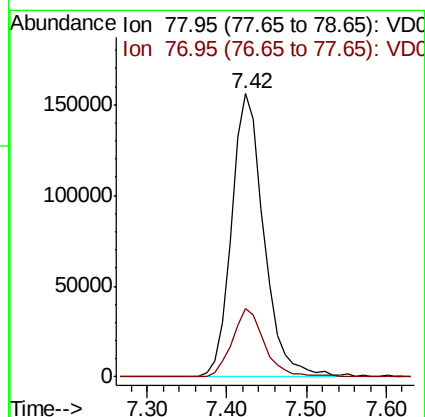
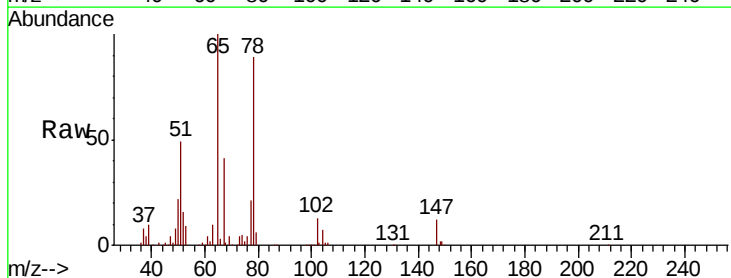
Instrument :
MSVOA_D
ClientSampleId :

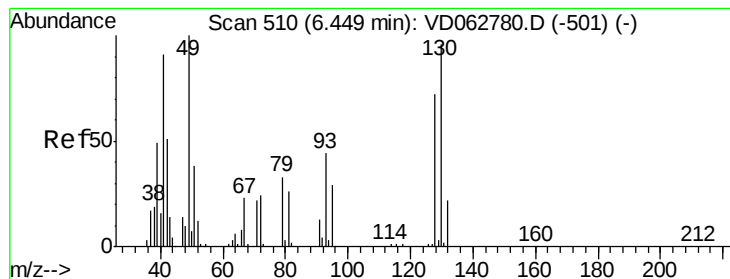
Tot Ion: 83 Resp: 174001
Ion Ratio Lower Upper
83 100
55 92.5 76.6 115.0
98 52.1 35.7 53.5



#40
Benzene
Concen: 20.069 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion: 78 Resp: 440412
Ion Ratio Lower Upper
78 100
77 24.0 20.2 30.2





#41

Methacrylonitrile

Concen: 22.532 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.03 min

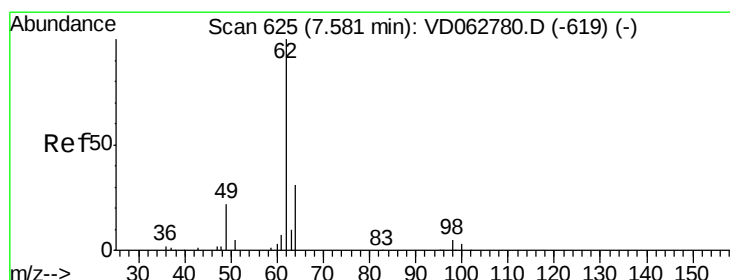
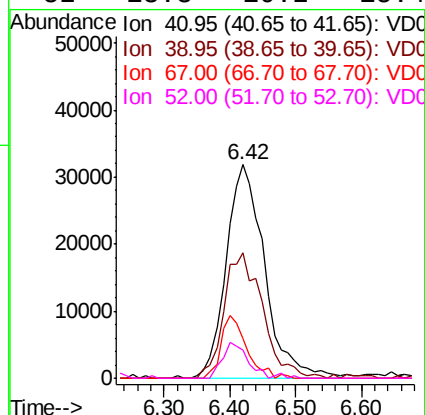
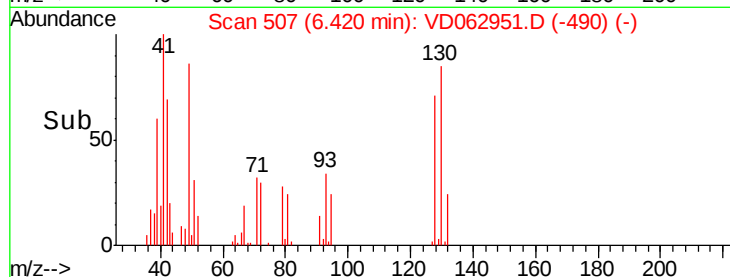
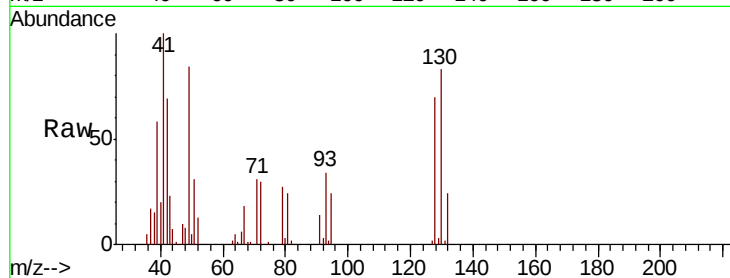
Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 129902

Ion	Ratio	Lower	Upper
41	100		
39	58.5	43.2	64.8
67	18.4	19.9	29.9#
52	13.3	10.2	15.4



#42

1,2-Dichloroethane

Concen: 21.223 ug/l

RT: 7.55 min Scan# 622

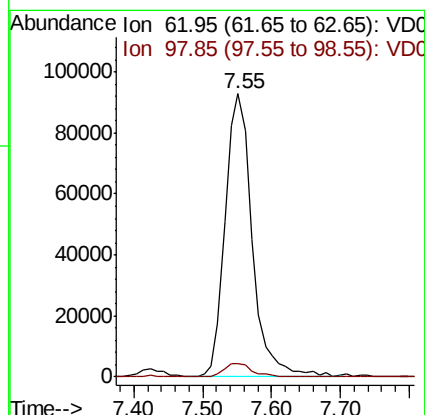
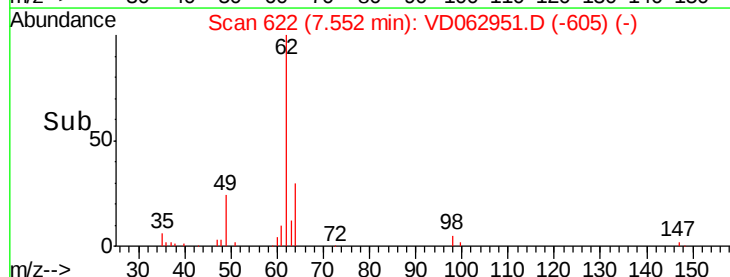
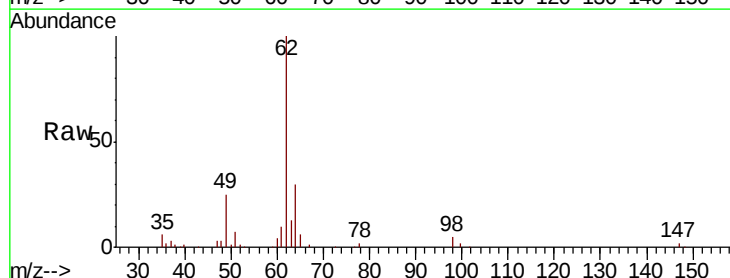
Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Tgt Ion: 62 Resp: 254067

Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	10.0



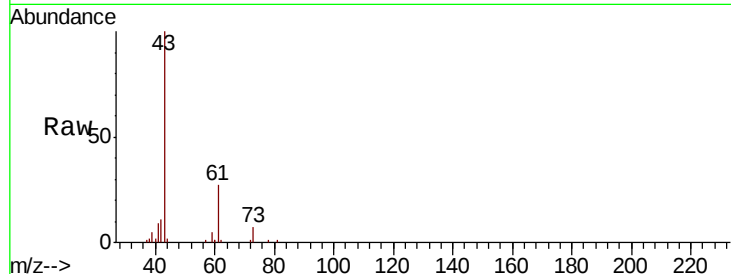


#43

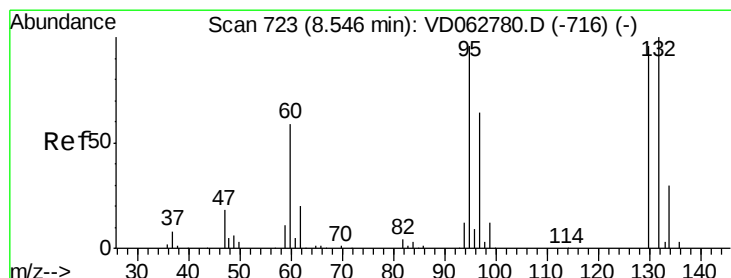
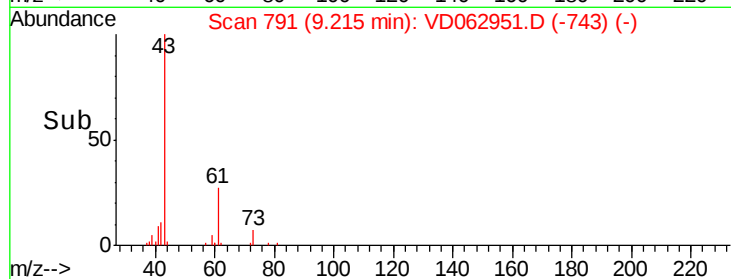
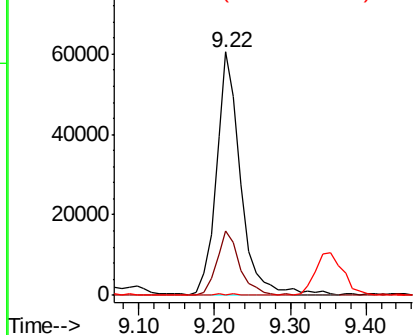
Isopropyl Acetate
 Concen: 23.681 ug/l
 RT: 9.22 min Scan# 791
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 135723
 Ion Ratio Lower Upper
 43 100
 61 26.6 22.4 33.6
 87 0.0 0.3 0.5#



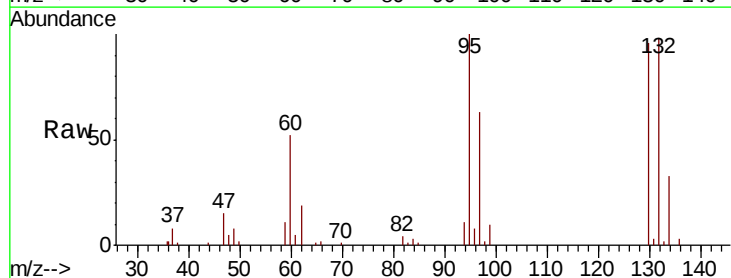
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



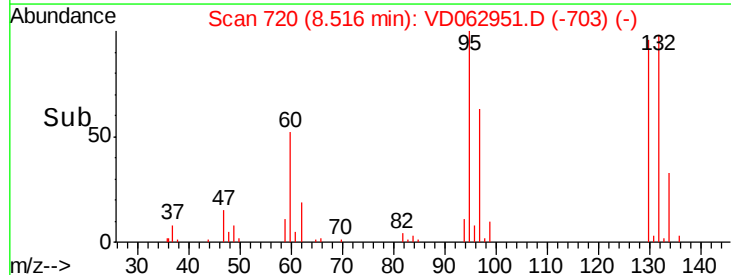
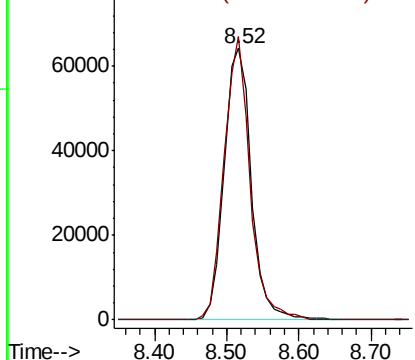
#44

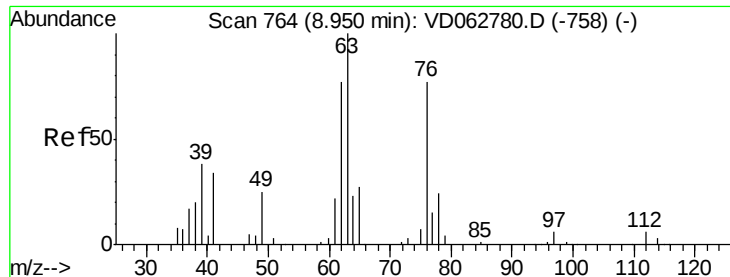
Trichloroethene
 Concen: 19.516 ug/l
 RT: 8.52 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion:130 Resp: 167901
 Ion Ratio Lower Upper
 130 100
 95 104.2 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 20.472 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.04 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

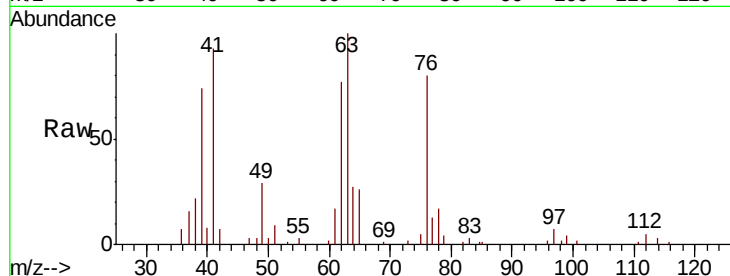
ClientSampled :

Tot Ion: 63 Resp: 111710

Ion Ratio Lower Upper

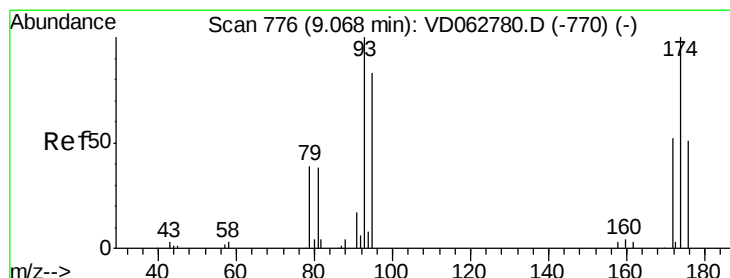
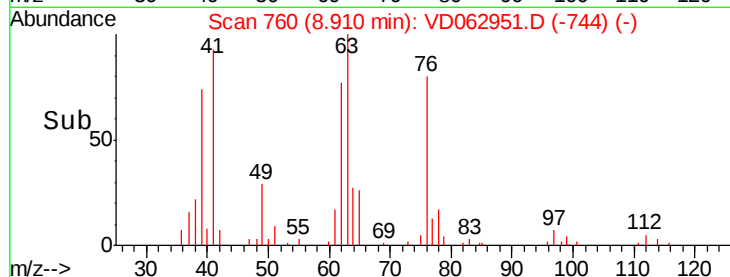
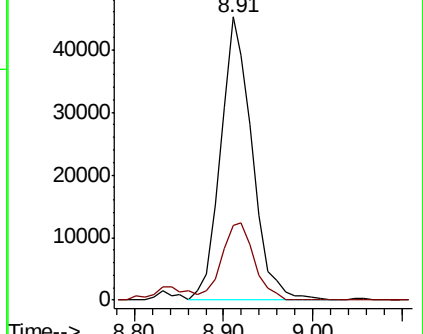
63 100

65 26.2 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.174 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

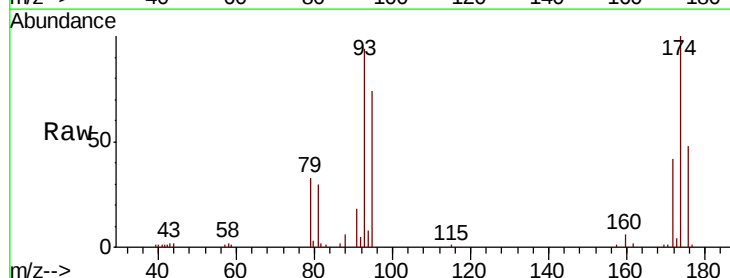
Tgt Ion: 93 Resp: 94562

Ion Ratio Lower Upper

93 100

95 78.5 66.6 100.0

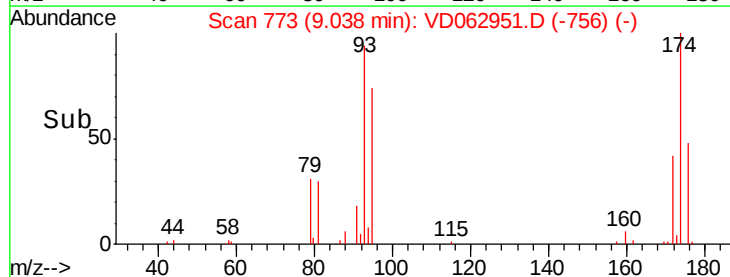
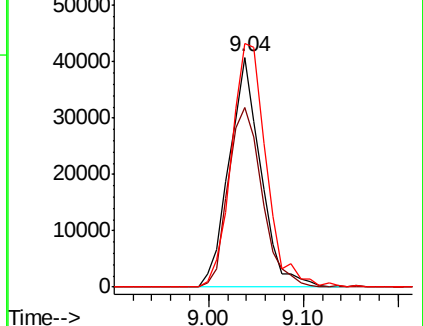
174 106.1 79.7 119.5

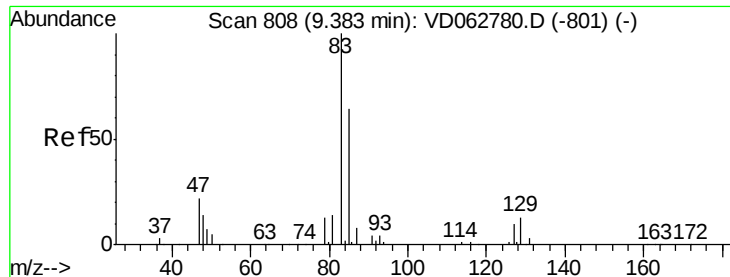


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.795 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

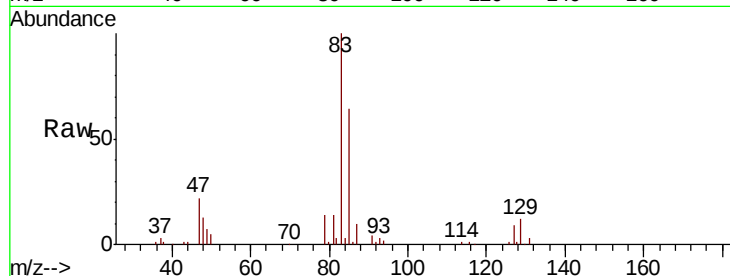
Tot Ion: 83 Resp: 253149

Ion Ratio Lower Upper

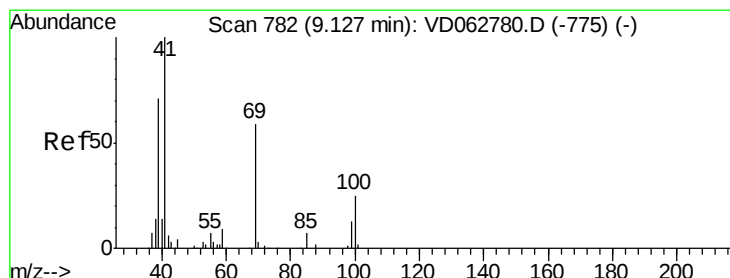
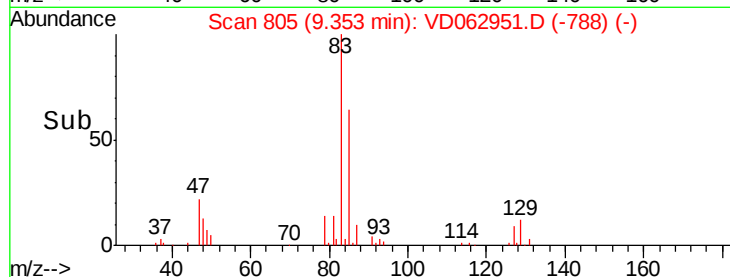
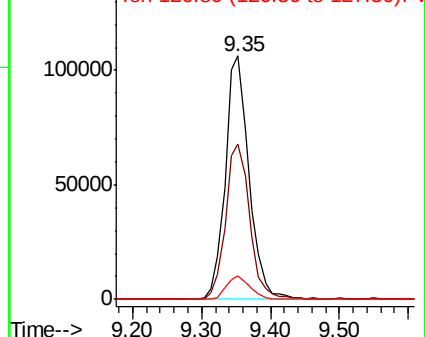
83 100

85 63.8 51.6 77.4

127 9.4 7.8 11.6



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



#48

Methyl methacrylate

Concen: 22.097 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

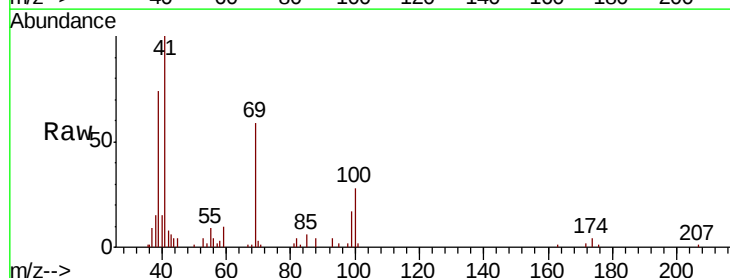
Tgt Ion: 41 Resp: 89998

Ion Ratio Lower Upper

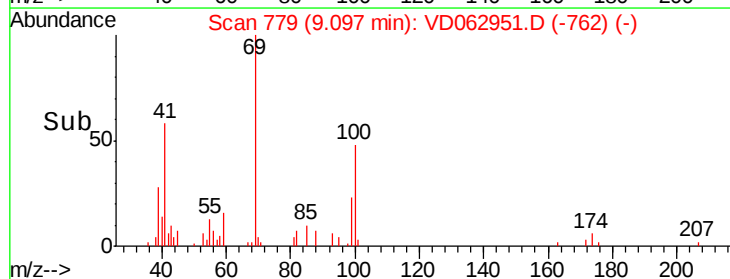
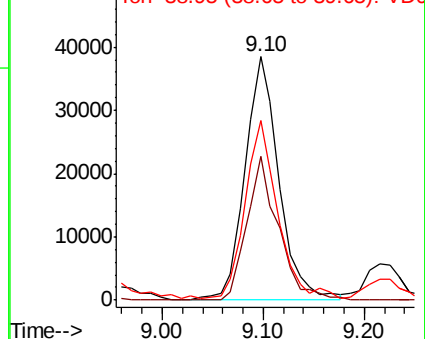
41 100

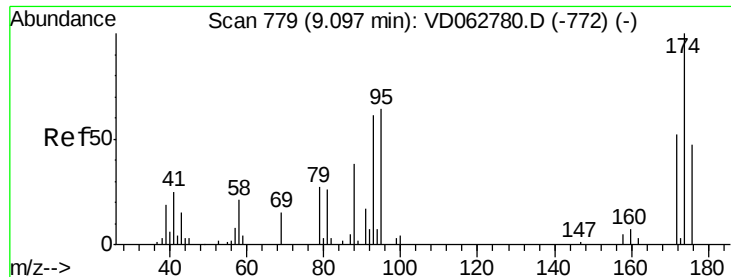
69 58.8 47.2 70.8

39 73.8 57.4 86.2



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

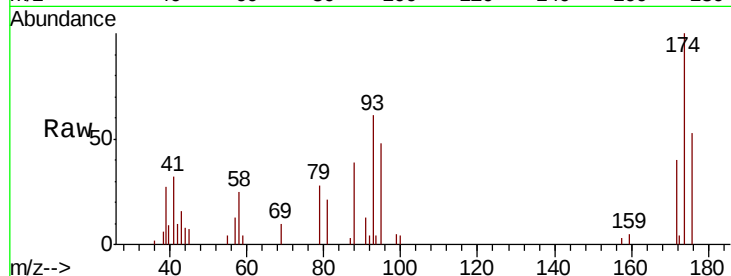




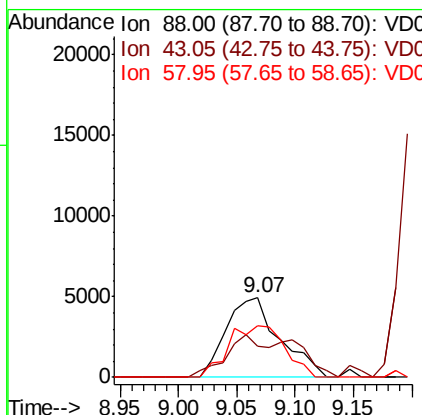
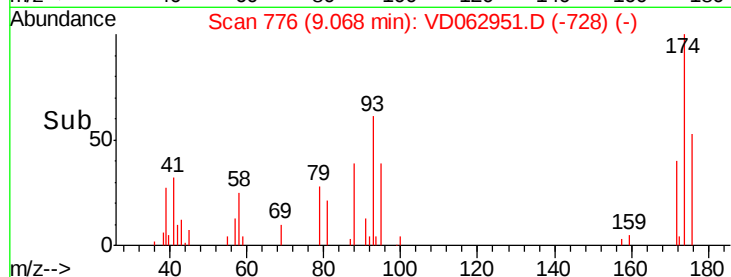
#49
1,4-Dioxane
Concen: 458.990 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	88	Resp	15553
Ion	Ratio	Lower	Upper
88	100		
43	39.9	32.1	48.1
58	64.2	44.1	66.1

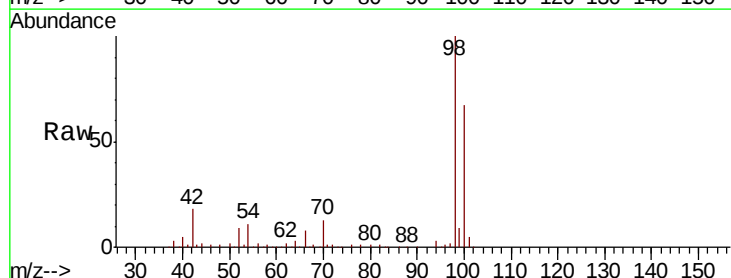


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

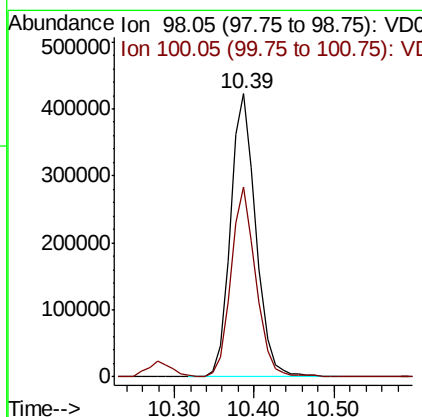
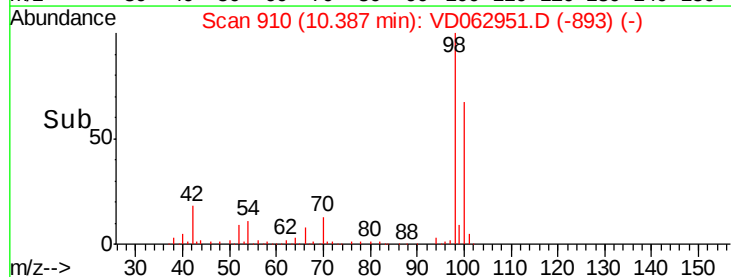


#50
Toluene-d8
Concen: 44.314 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion	98	Resp	939173
Ion	Ratio	Lower	Upper
98	100		
100	67.3	54.7	82.1



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





#51

4-Methyl-2-Pentanone

Concen: 113.247 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

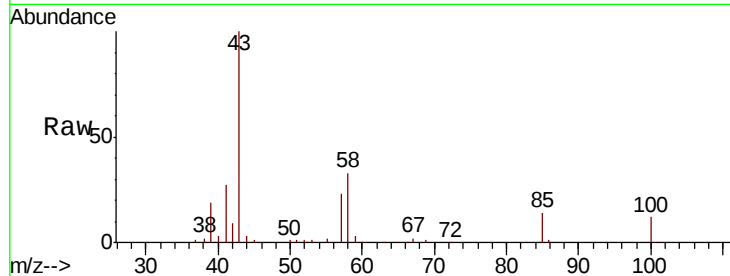
ClientSampleId :

Tot Ion: 43 Resp: 460184

Ion Ratio Lower Upper

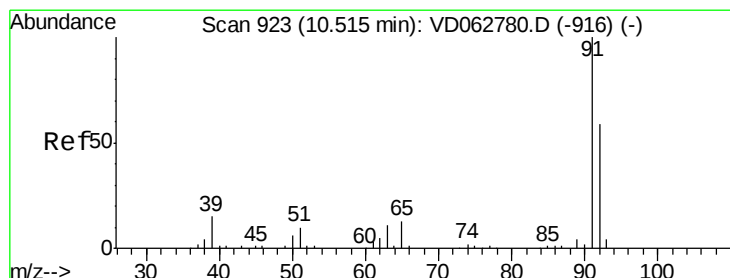
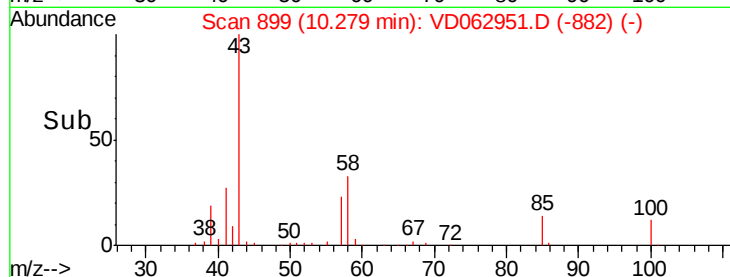
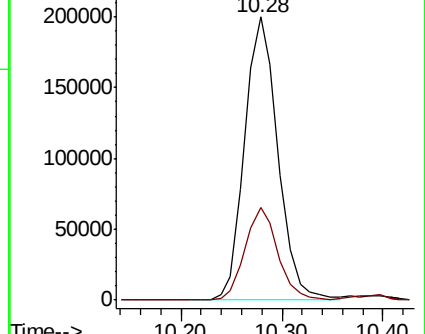
43 100

58 32.6 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.491 ug/l

RT: 10.49 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD062951.D

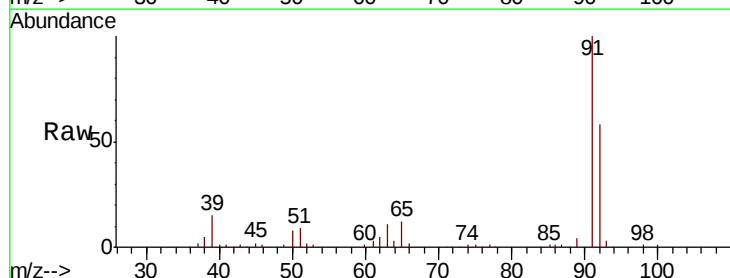
Acq: 28 Jun 2019 2:55

Tgt Ion: 92 Resp: 302257

Ion Ratio Lower Upper

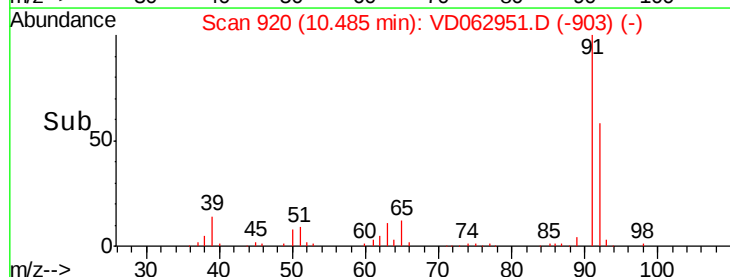
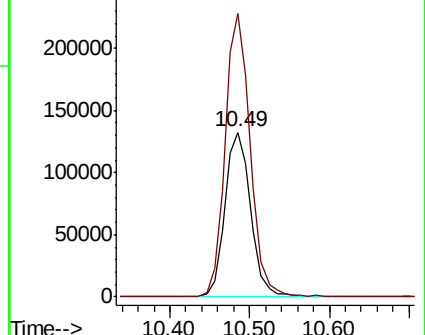
92 100

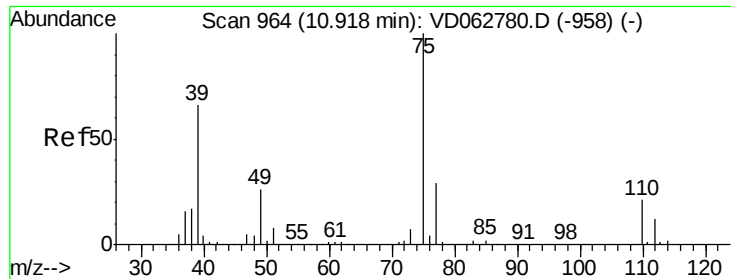
91 172.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

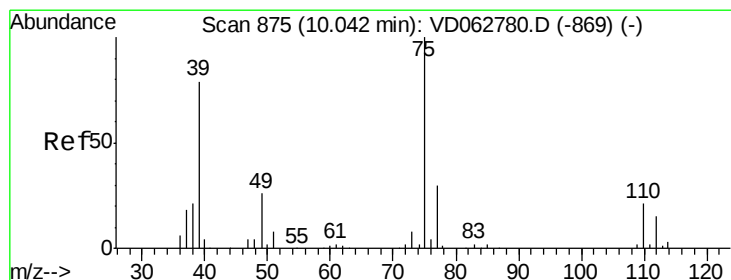
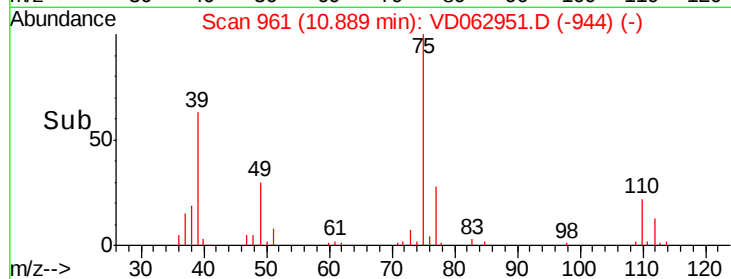
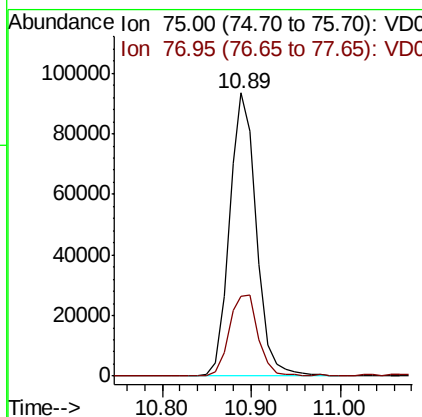
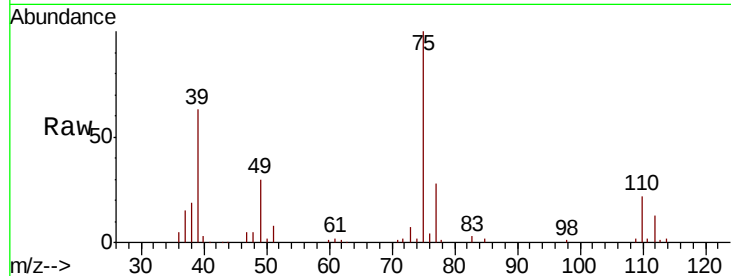




#53
 t-1,3-Dichloropropene
 Concen: 19.709 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

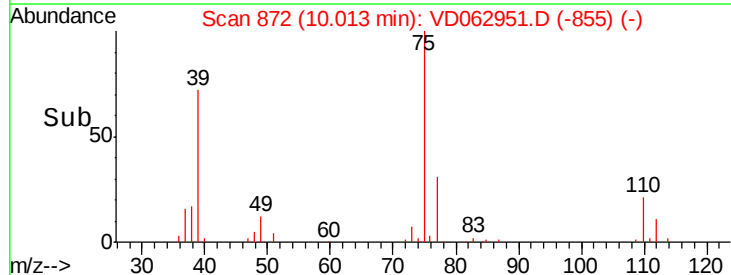
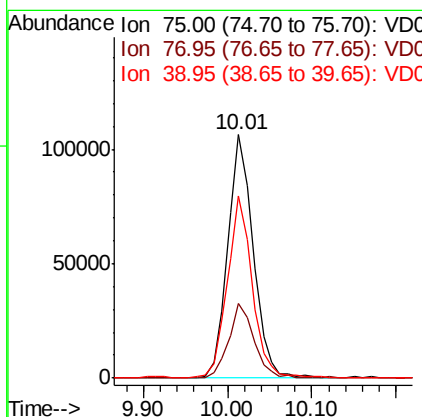
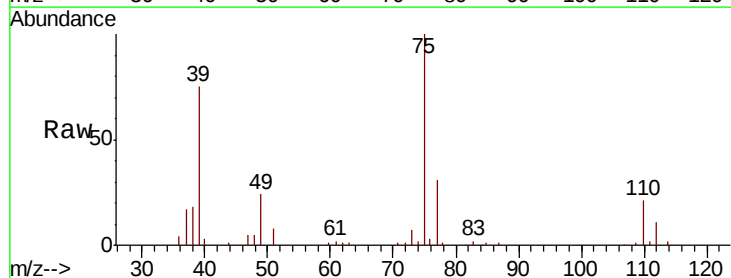
Instrument :
 MSVOA_D
 ClientSampleId :

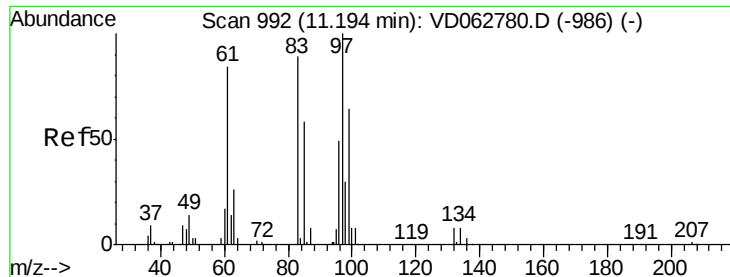
Tot Ion: 75 Resp: 196377
 Ion Ratio Lower Upper
 75 100
 77 28.1 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.675 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion: 75 Resp: 223909
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.2 36.2
 39 75.0 63.5 95.3

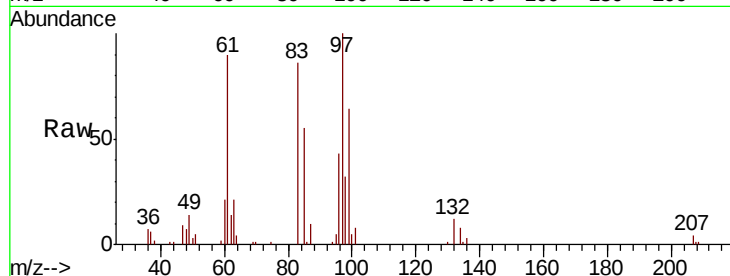




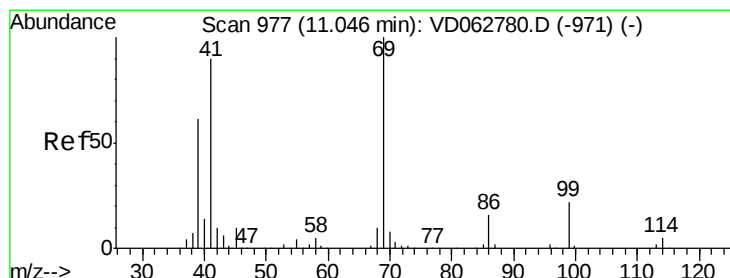
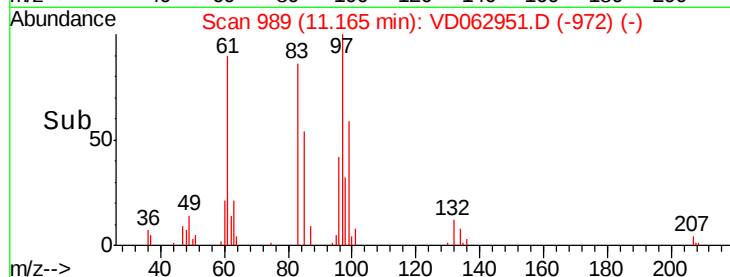
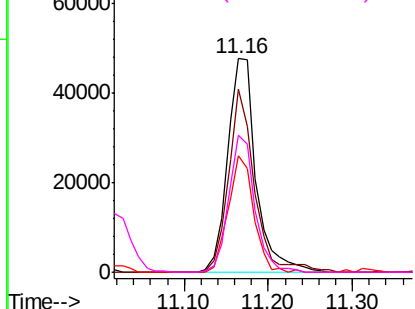
#55
 1,1,2-Trichloroethane
 Concen: 22.091 ug/l
 RT: 11.16 min Scan# 989
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	111957
Ion	Ratio	Lower	Upper
97	100		
83	85.6	71.0	106.4
85	54.8	46.6	69.8
99	64.0	51.4	77.0

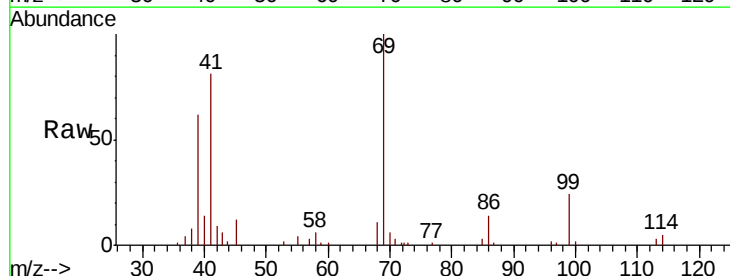


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

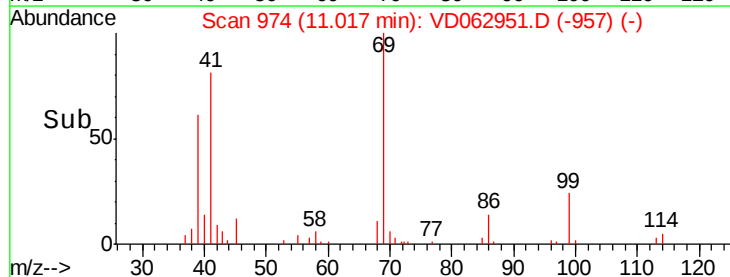
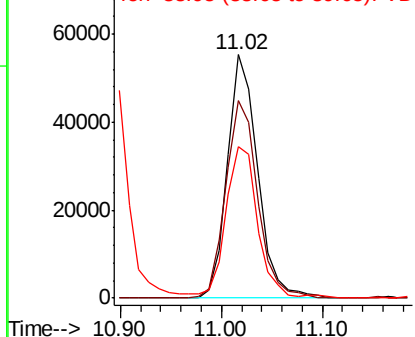


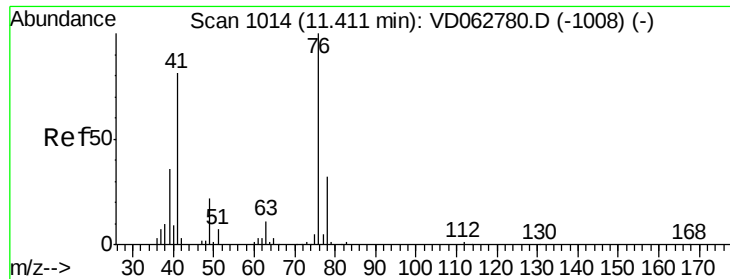
#56
 Ethyl methacrylate
 Concen: 21.265 ug/l
 RT: 11.02 min Scan# 974
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion:	69	Resp:	115174
Ion	Ratio	Lower	Upper
69	100		
41	81.4	72.0	108.0
39	62.2	49.5	74.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.925 ug/l

RT: 11.38 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

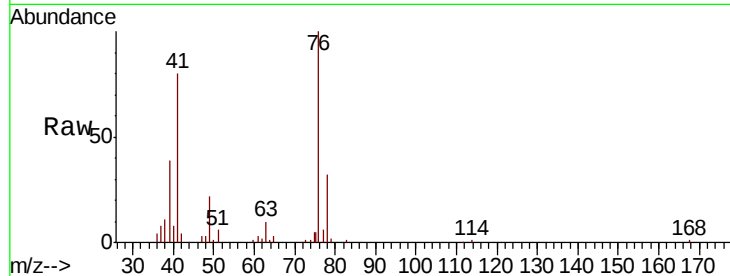
ClientSampleId :

Tot Ion: 76 Resp: 162373

Ion Ratio Lower Upper

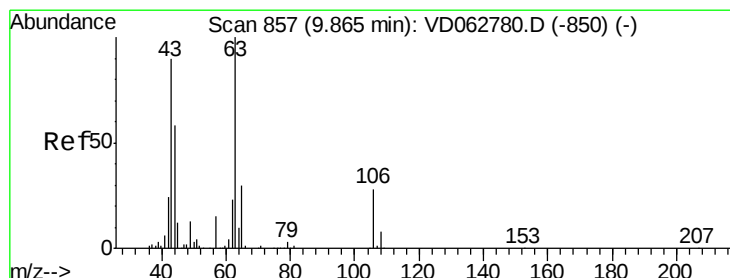
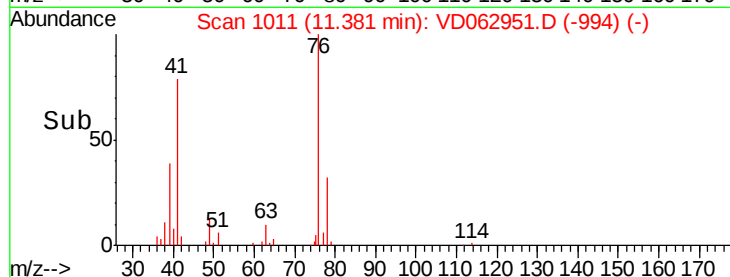
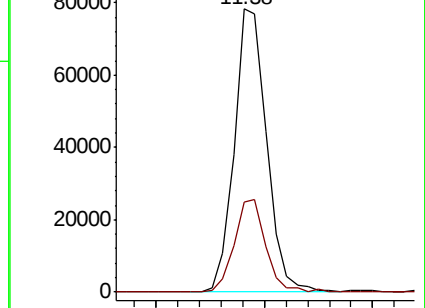
76 100

78 31.8 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.572 ug/l

RT: 9.84 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062951.D

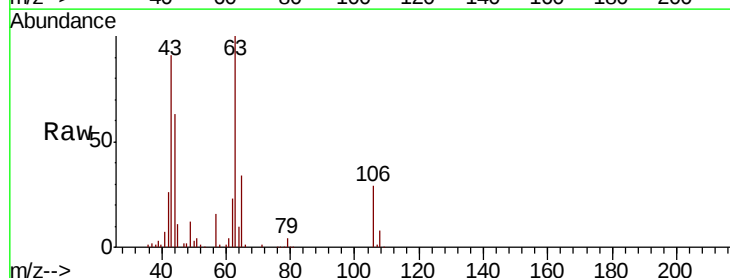
Acq: 28 Jun 2019 2:55

Tgt Ion: 63 Resp: 310224

Ion Ratio Lower Upper

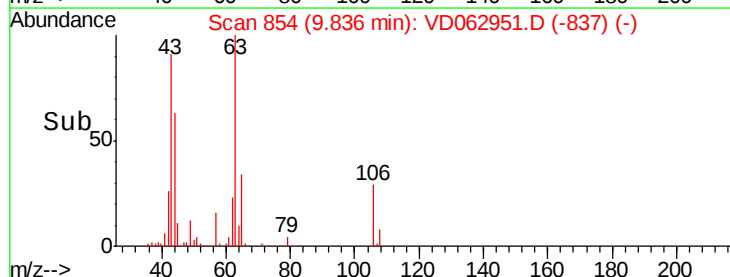
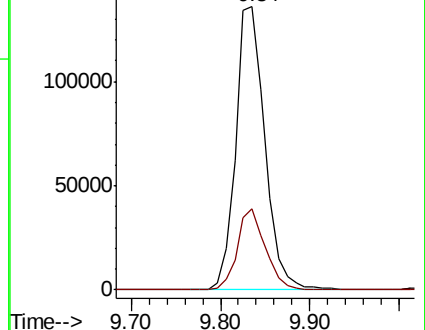
63 100

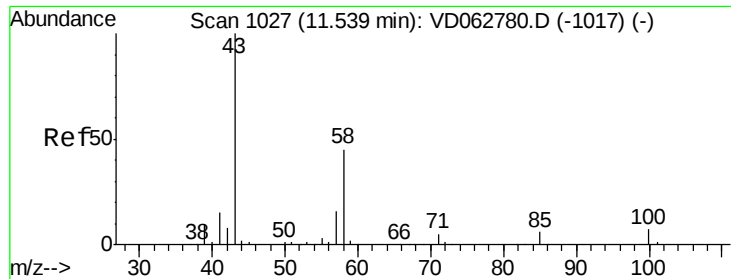
106 28.5 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

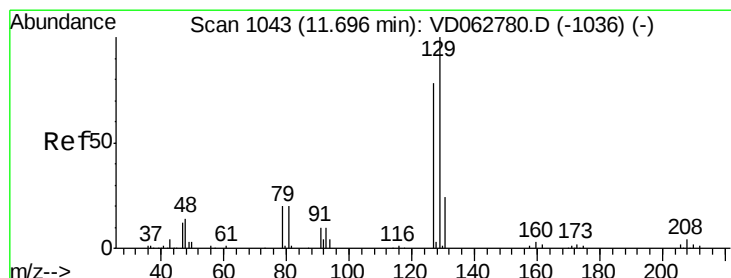
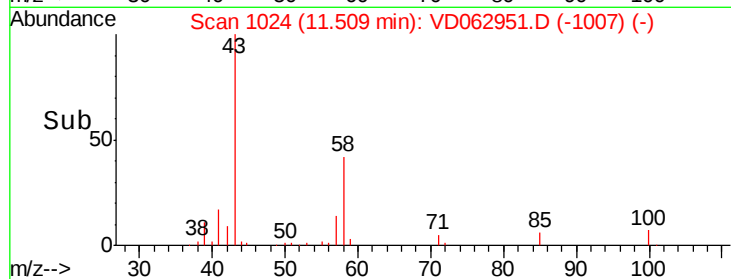
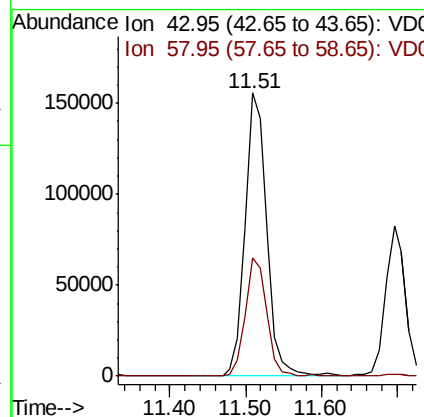
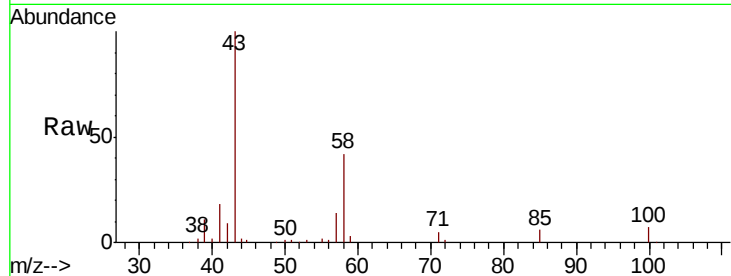




#59
2-Hexanone
Concen: 105.947 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

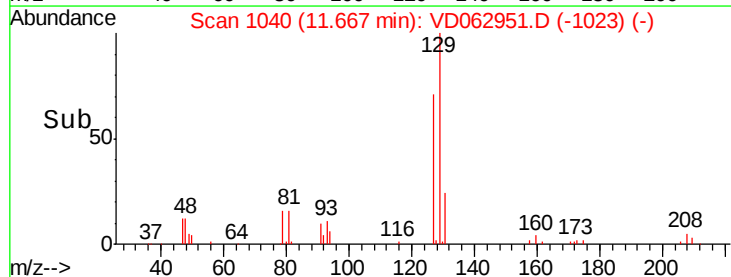
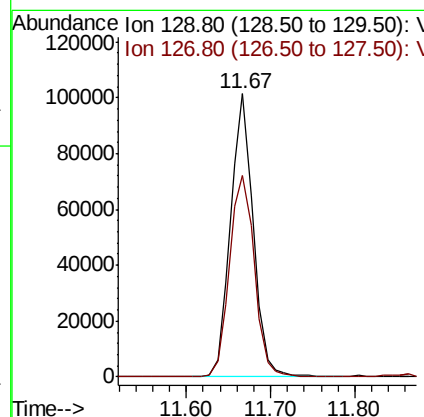
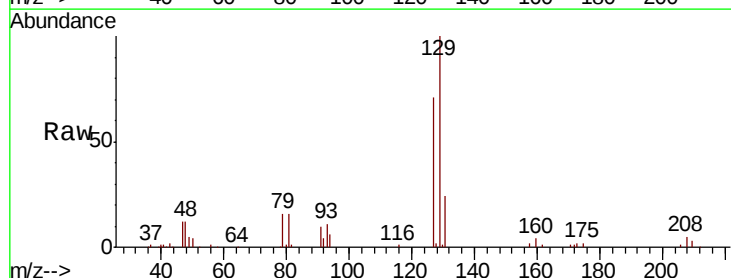
Instrument :
MSVOA_D
ClientSampleId :

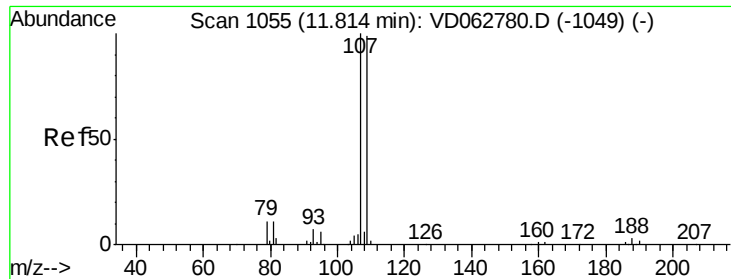
Tot Ion: 43 Resp: 306611
Ion Ratio Lower Upper
43 100
58 41.9 22.4 67.2



#60
Dibromochloromethane
Concen: 20.077 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion: 129 Resp: 189525
Ion Ratio Lower Upper
129 100
127 71.4 38.9 116.6

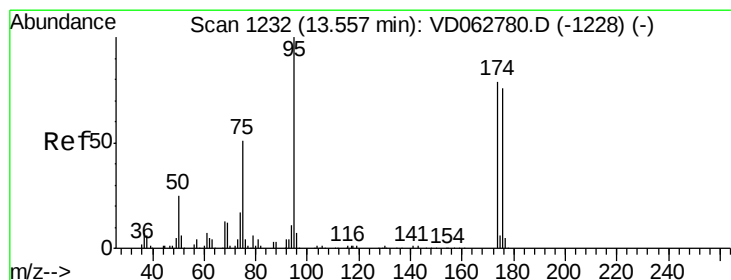
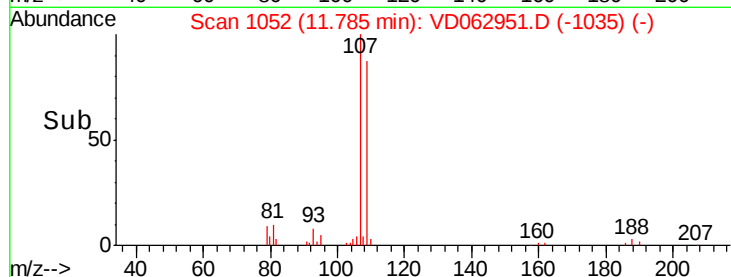
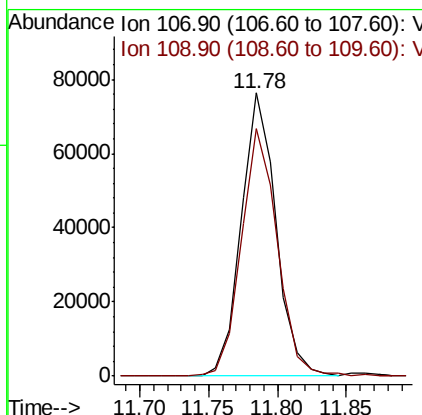
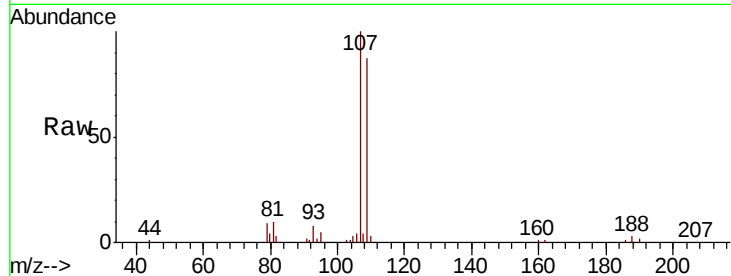




#61
 1,2-Dibromoethane
 Concen: 22.407 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

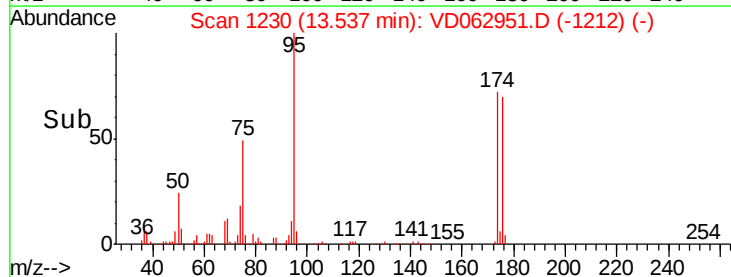
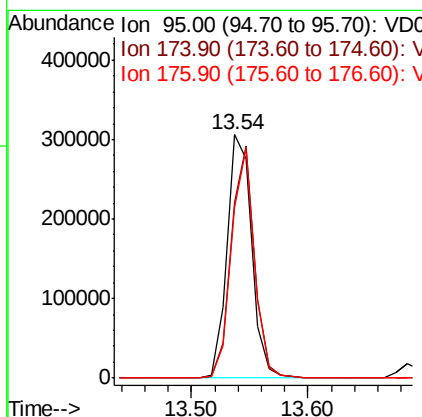
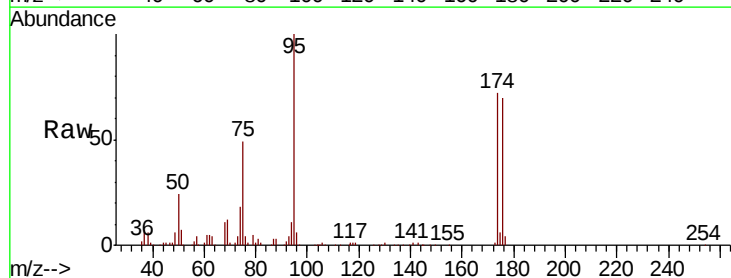
Instrument :
 MSVOA_D
 ClientSampleId :

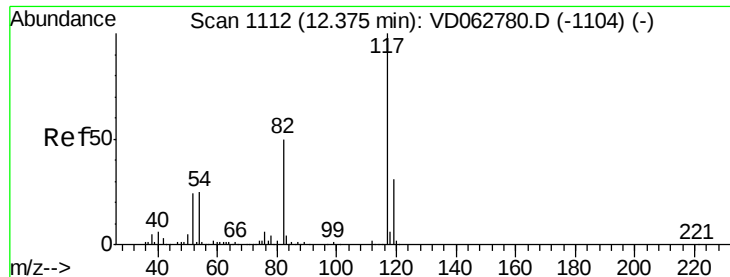
Tot Ion:107 Resp: 134116
 Ion Ratio Lower Upper
 107 100
 109 87.2 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 46.513 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion: 95 Resp: 448242
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 158.0
 176 70.3 0.0 151.6

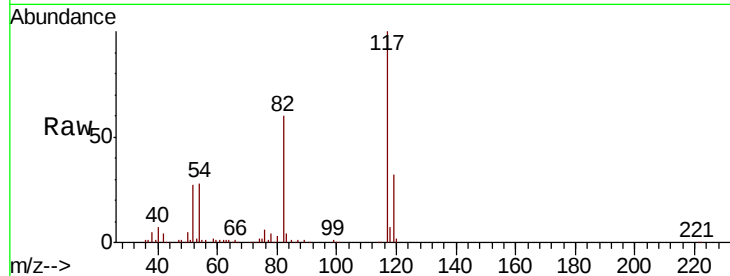




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	40.4	60.6
119	32.1	25.2	37.8

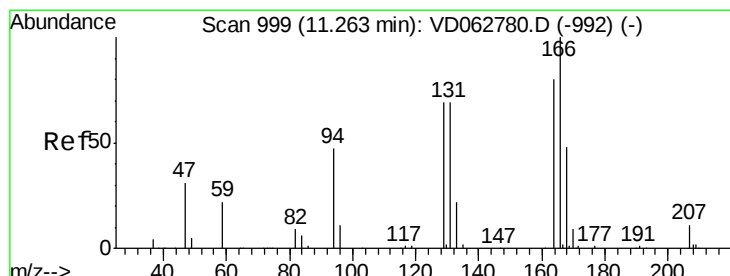
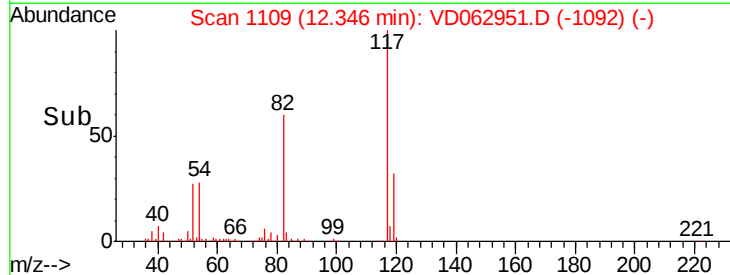
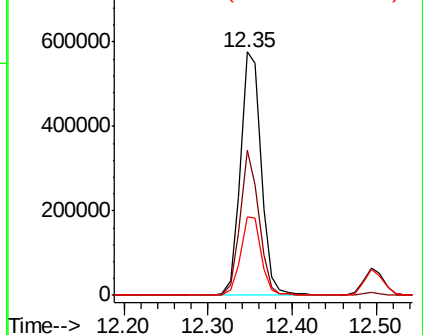


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 21.557 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	142.1	100.6	150.8
129	98.8	69.4	104.0
131	87.0	69.3	103.9

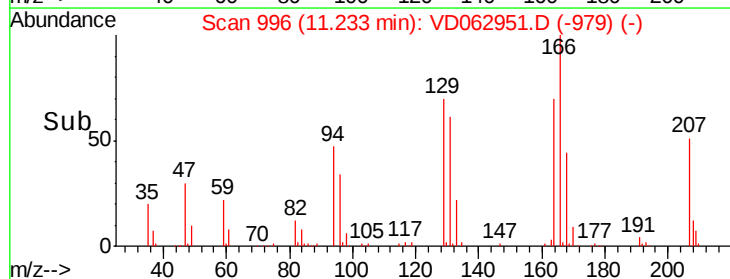
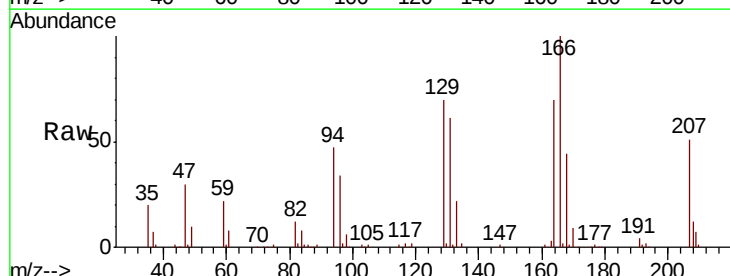
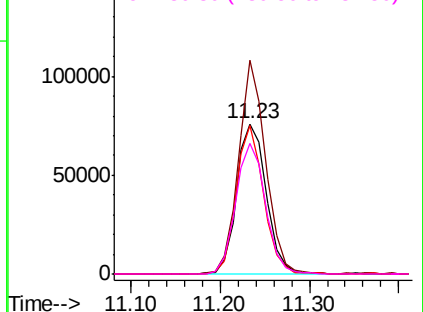
Abundance

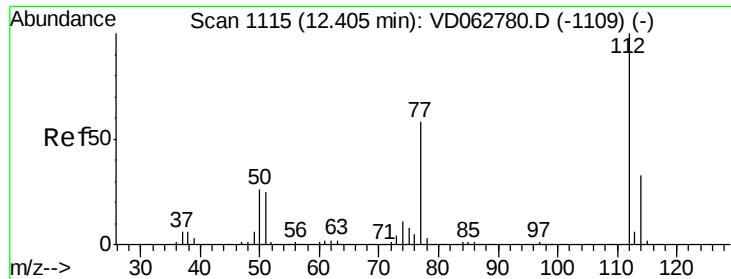
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

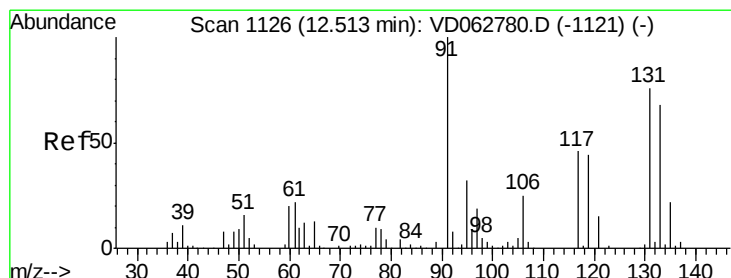
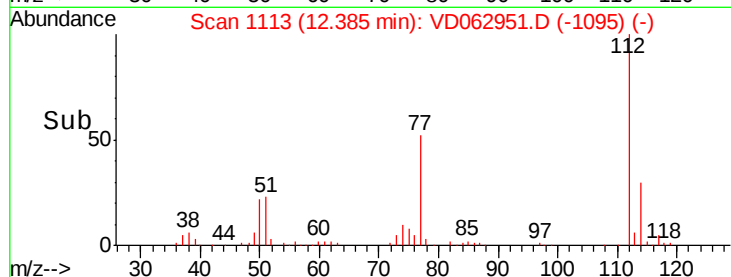
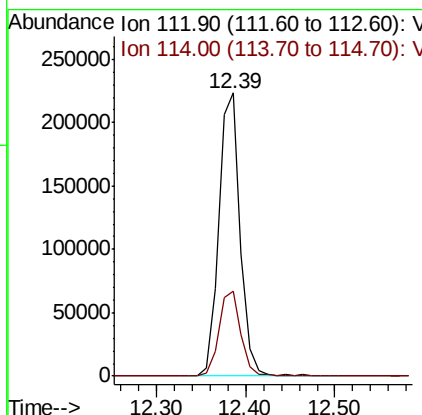
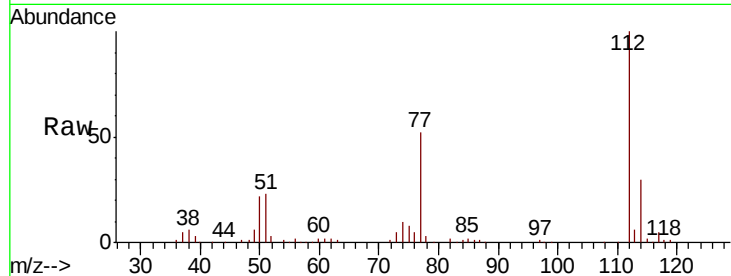




#65
Chlorobenzene
Concen: 20.492 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

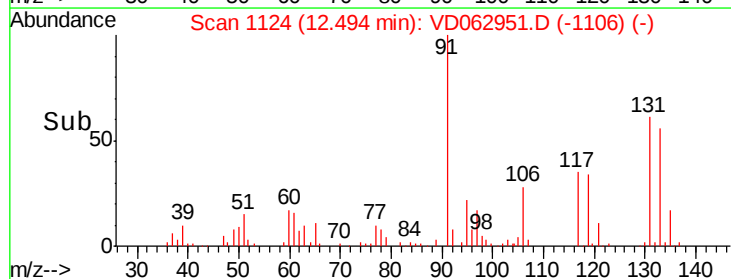
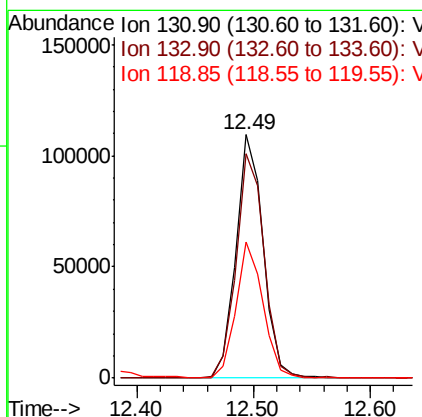
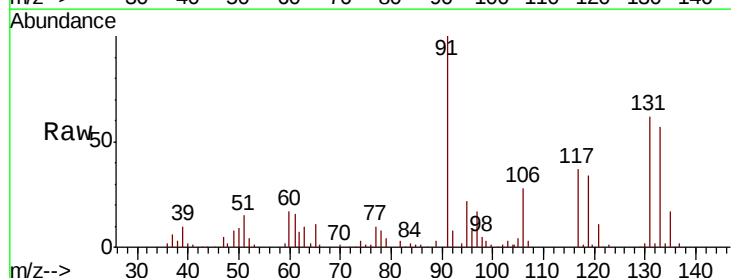
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 374818
Ion Ratio Lower Upper
112 100
114 30.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.603 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion:131 Resp: 176234
Ion Ratio Lower Upper
131 100
133 92.2 44.5 133.3
119 55.9 28.6 85.9

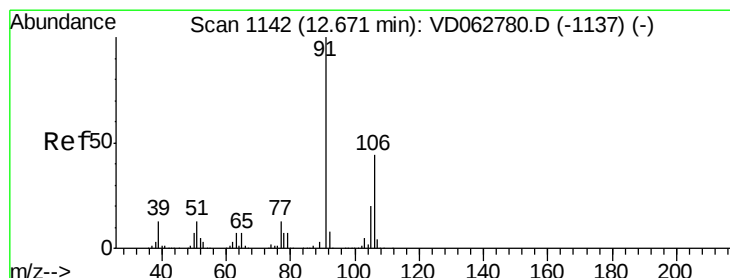
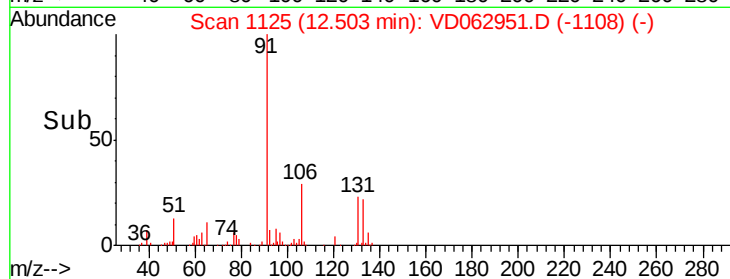
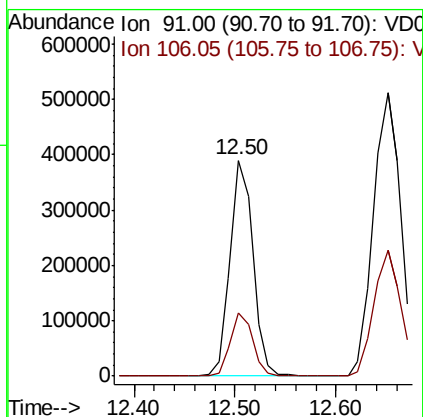
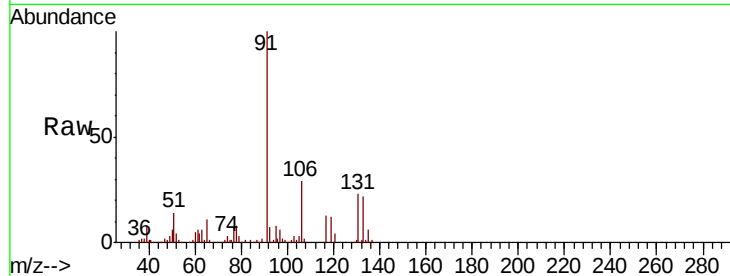




#67
Ethyl Benzene
Concen: 18.838 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

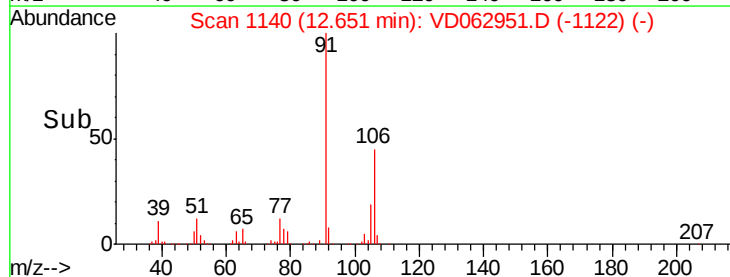
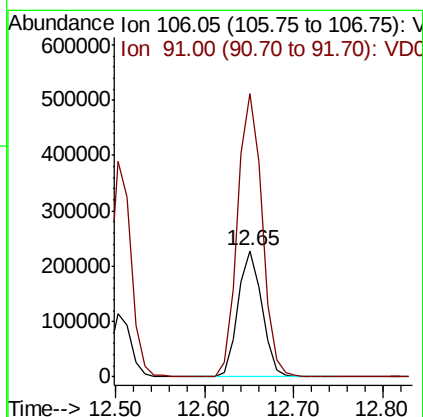
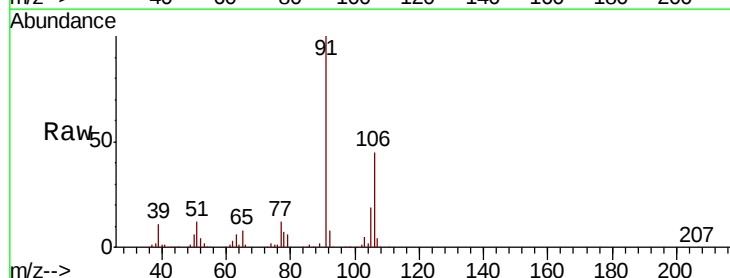
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 618628
Ion Ratio Lower Upper
91 100
106 29.2 23.1 34.7



#68
m/p-Xylenes
Concen: 37.394 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion: 106 Resp: 427691
Ion Ratio Lower Upper
106 100
91 224.4 183.0 274.6

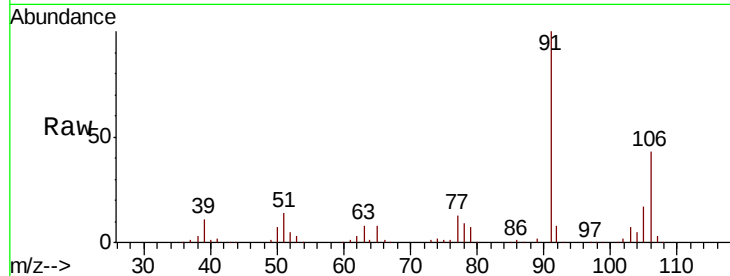




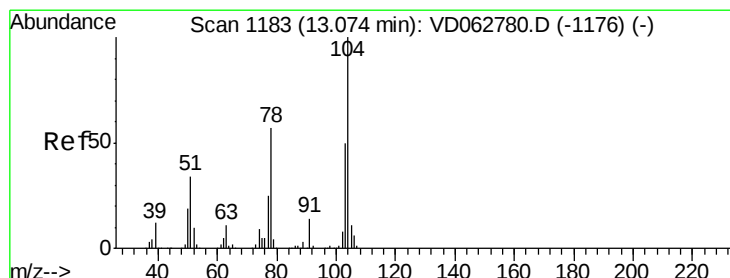
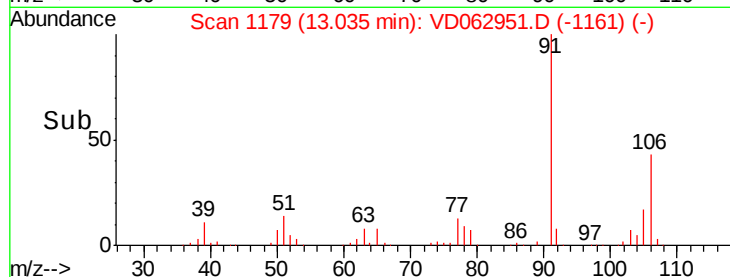
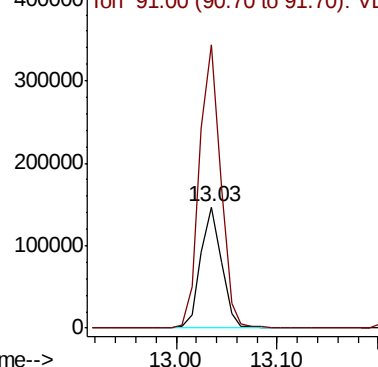
#69
o-Xylene
Concen: 20.270 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 211928
Ion Ratio Lower Upper
106 100
91 233.6 117.9 353.6

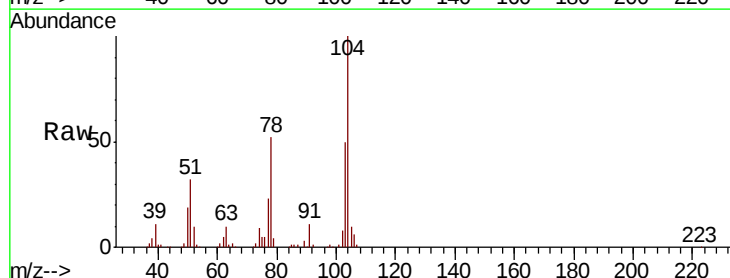


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

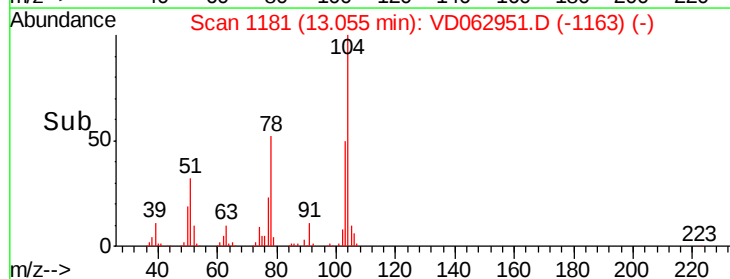
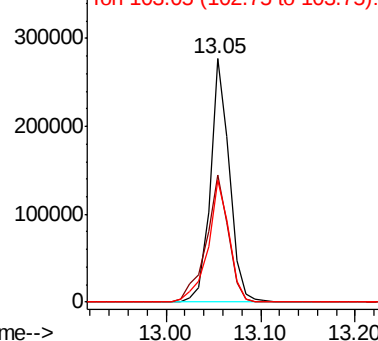


#70
Styrene
Concen: 20.952 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062951.D
Acq: 28 Jun 2019 2:55

Tgt Ion:104 Resp: 384774
Ion Ratio Lower Upper
104 100
78 52.3 45.4 68.2
103 50.0 39.7 59.5



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





#71

Bromoform

Concen: 21.989 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

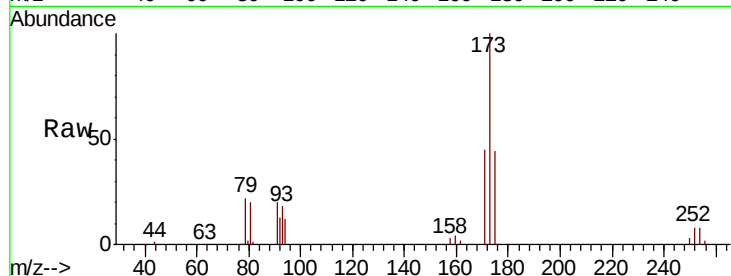
Tot Ion:173 Resp: 128869

Ion Ratio Lower Upper

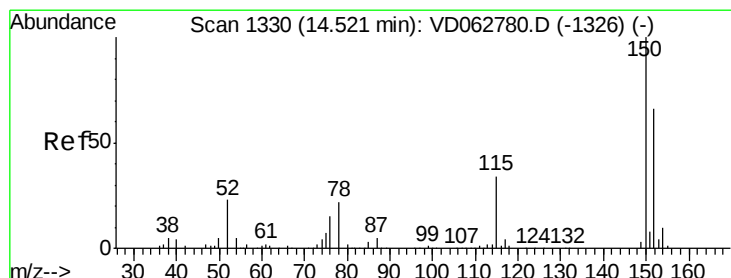
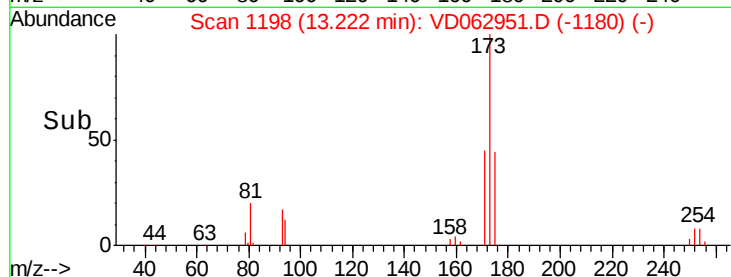
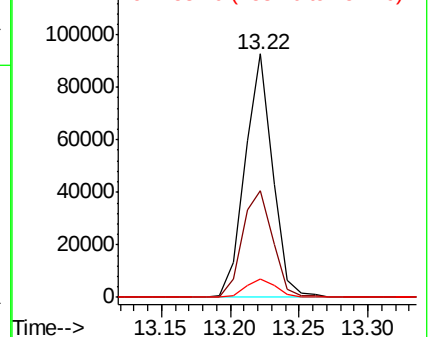
173 100

175 44.0 25.3 75.9

254 7.7 7.1 10.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

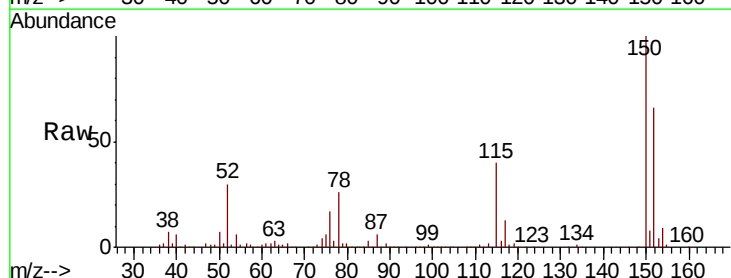
Tgt Ion:152 Resp: 556709

Ion Ratio Lower Upper

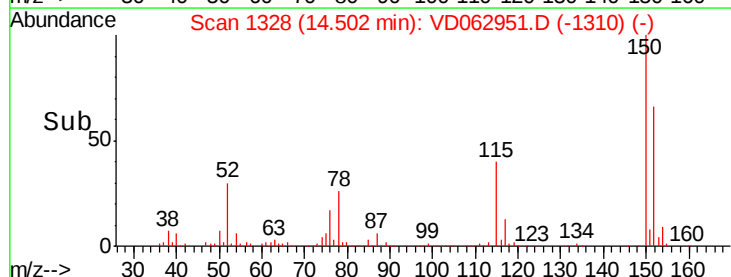
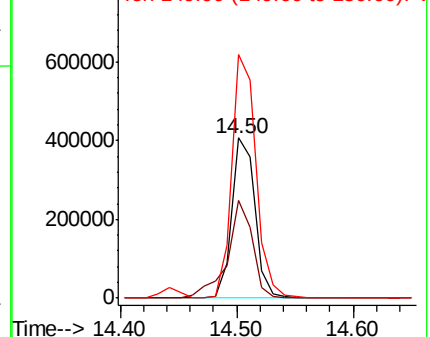
152 100

115 61.2 29.2 87.6

150 152.1 0.0 305.8



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





#73

Isopropylbenzene

Concen: 18.294 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

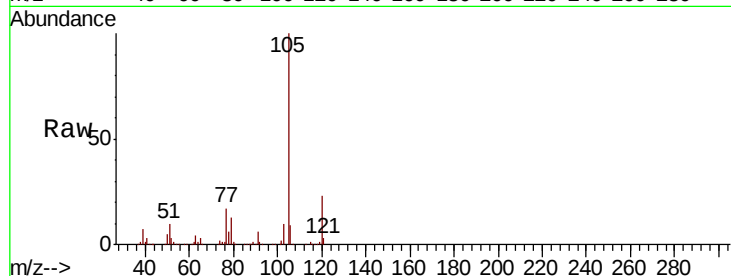
ClientSampled :

Tot Ion:105 Resp: 653008

Ion Ratio Lower Upper

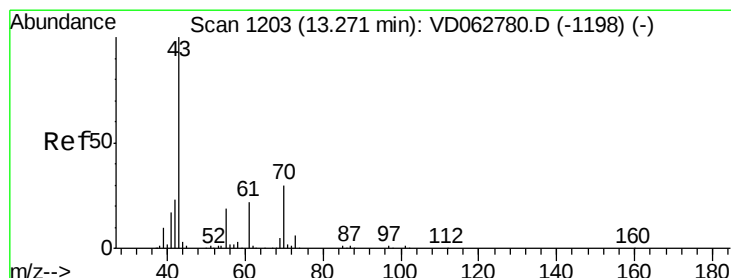
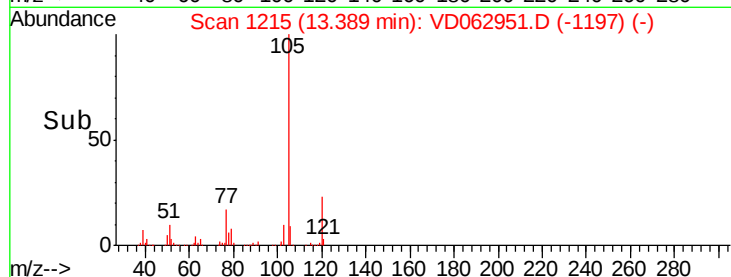
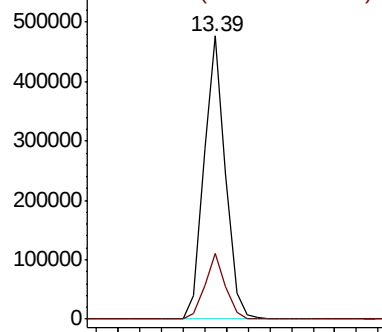
105 100

120 23.0 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.695 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Tgt Ion: 43 Resp: 170723

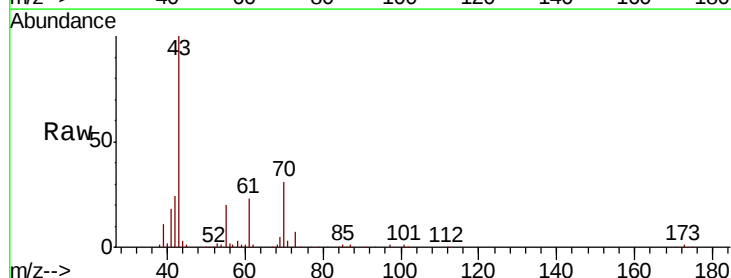
Ion Ratio Lower Upper

43 100

70 30.7 24.4 36.6

55 20.2 15.2 22.8

61 22.5 17.4 26.2

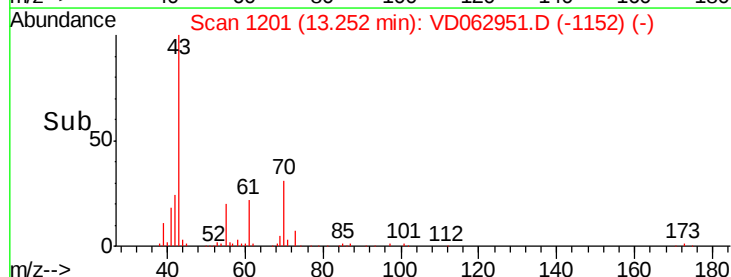
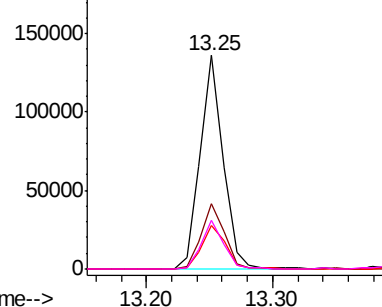


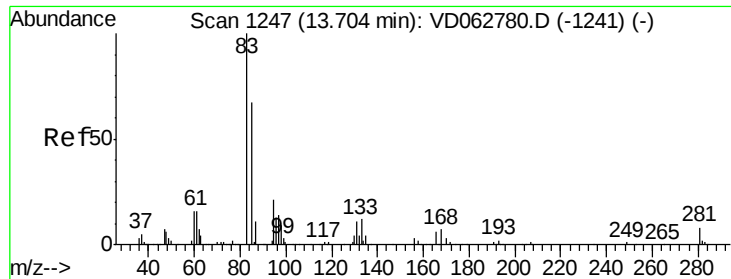
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.664 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

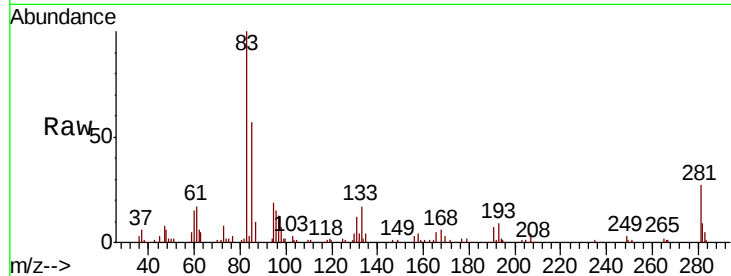
Tot Ion: 83 Resp: 120178

Ion Ratio Lower Upper

83 100

131 11.7 5.3 16.1

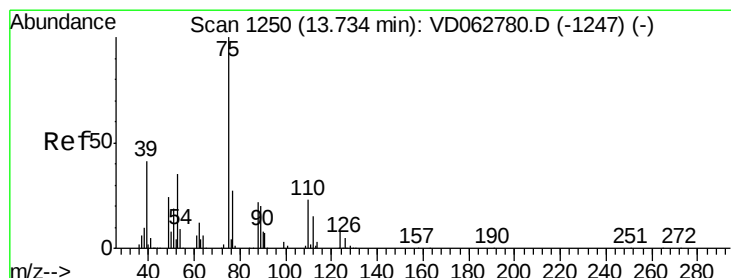
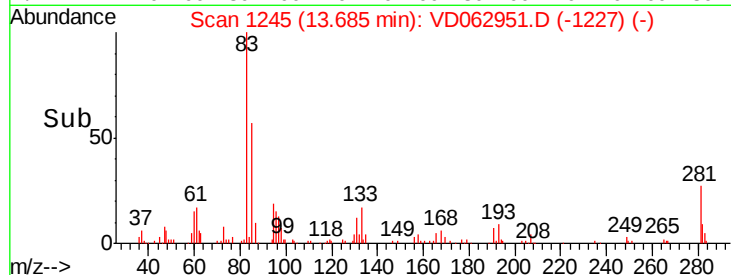
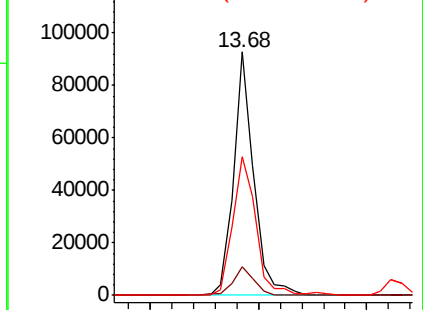
85 57.2 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.824 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062951.D

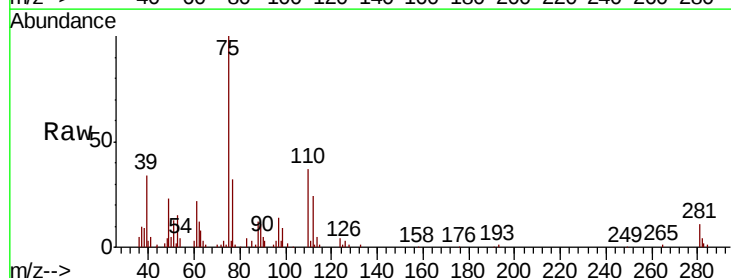
Acq: 28 Jun 2019 2:55

Tgt Ion: 75 Resp: 140256

Ion Ratio Lower Upper

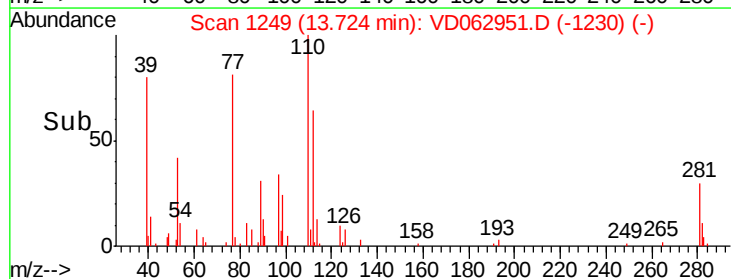
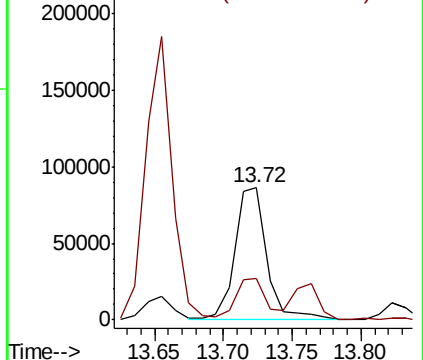
75 100

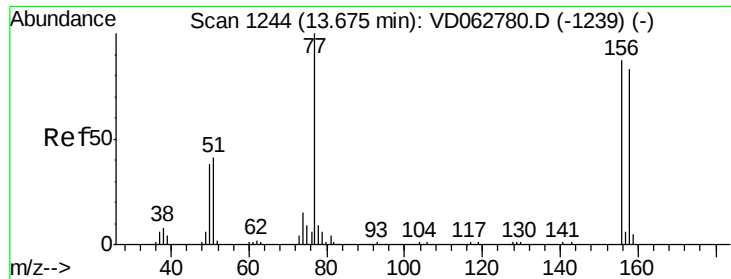
77 31.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.975 ug/l

RT: 13.66 min Scan# 1242

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

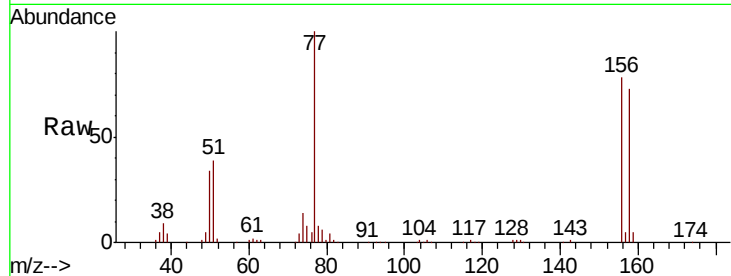
Tot Ion:156 Resp: 191782

Ion Ratio Lower Upper

156 100

77 127.9 57.7 173.1

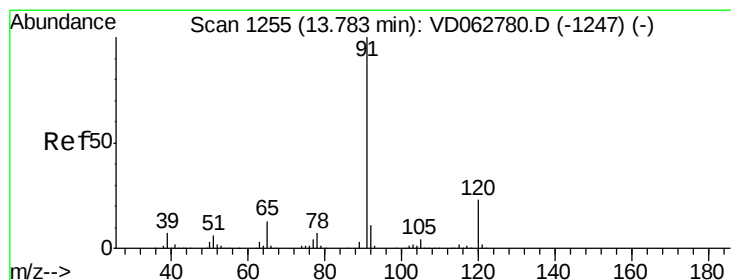
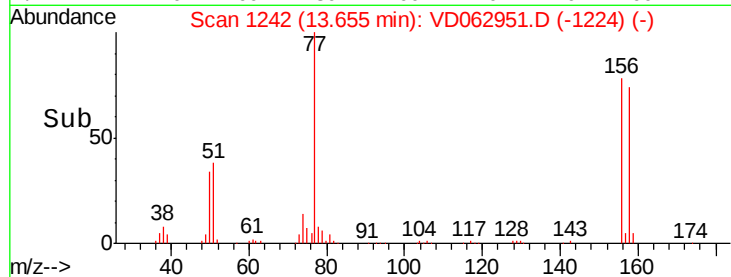
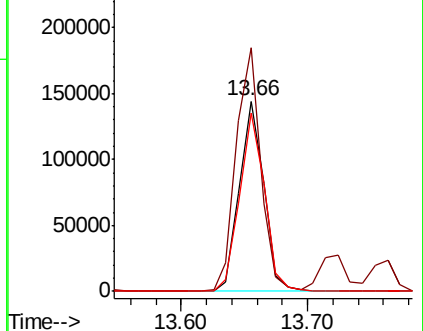
158 94.0 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.238 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062951.D

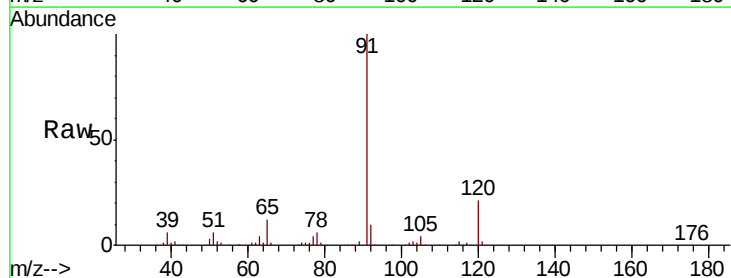
Acq: 28 Jun 2019 2:55

Tgt Ion: 91 Resp: 757721

Ion Ratio Lower Upper

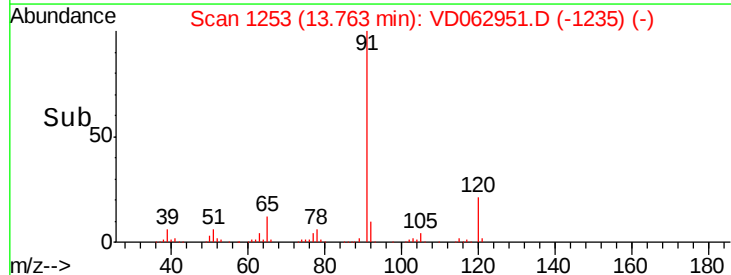
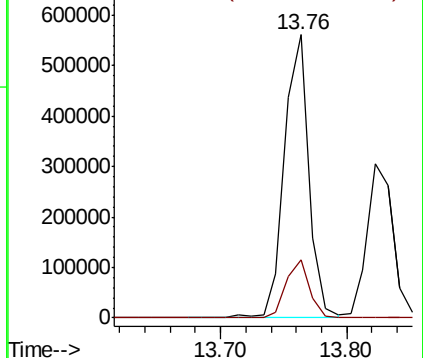
91 100

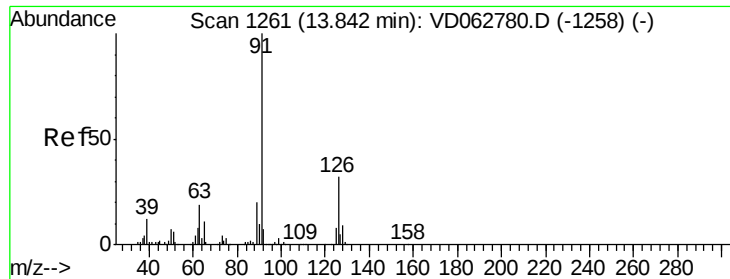
120 20.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.718 ug/l

RT: 13.82 min Scan# 1259

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

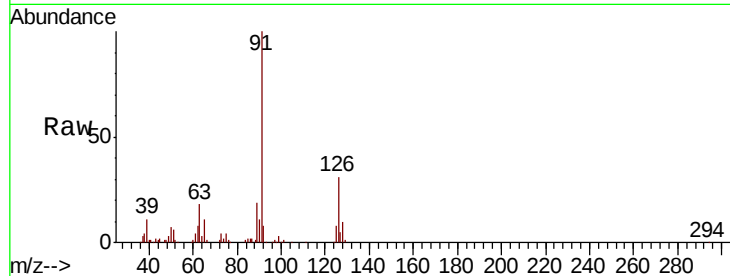
ClientSampleId :

Tot Ion: 91 Resp: 444410

Ion Ratio Lower Upper

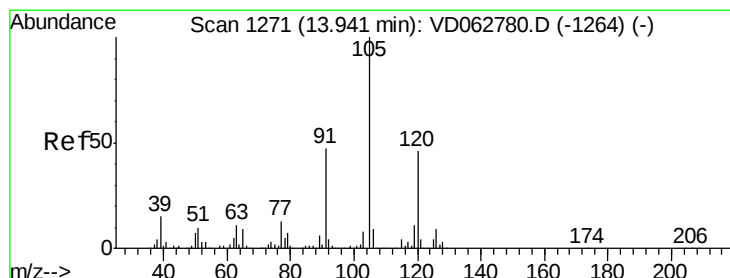
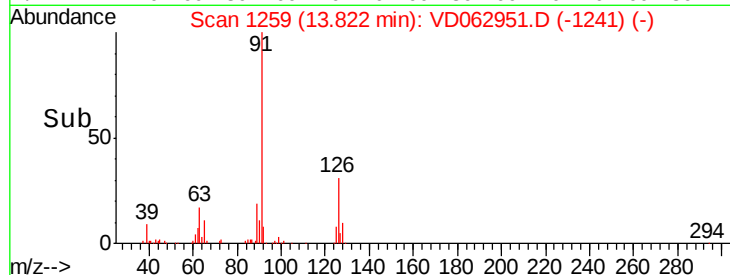
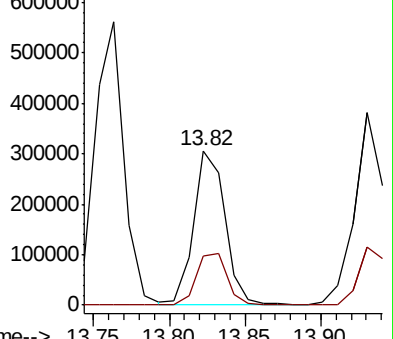
91 100

126 31.4 15.7 47.1



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

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



#80

1,3,5-Trimethylbenzene

Concen: 18.304 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VD062951.D

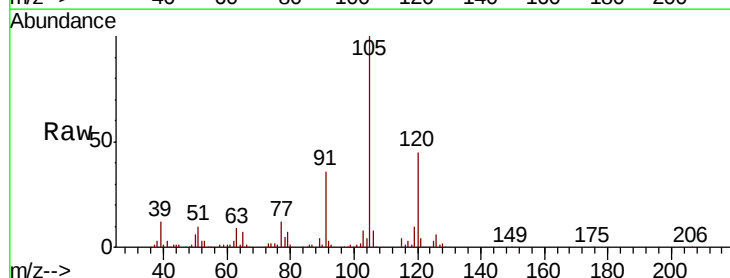
Acq: 28 Jun 2019 2:55

Tgt Ion: 105 Resp: 548796

Ion Ratio Lower Upper

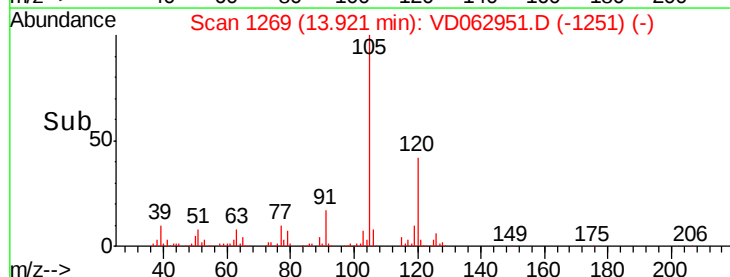
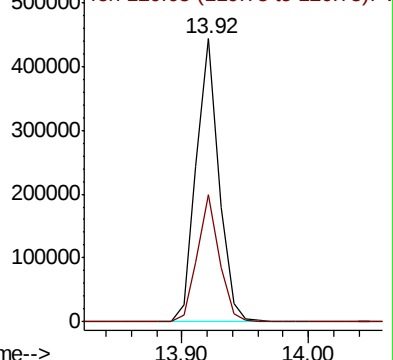
105 100

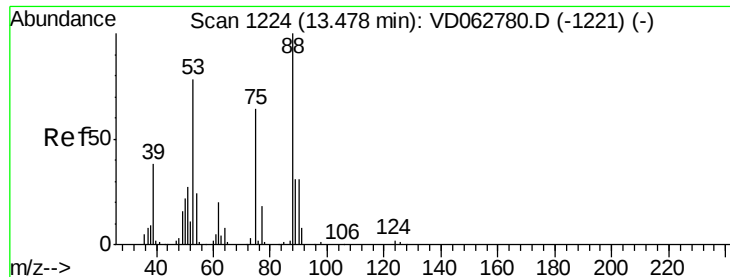
120 44.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.074 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

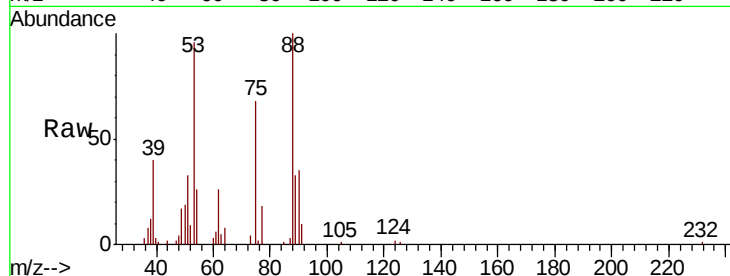
Tot Ion: 75 Resp: 30444

Ion Ratio Lower Upper

75 100

53 140.1 97.8 146.8

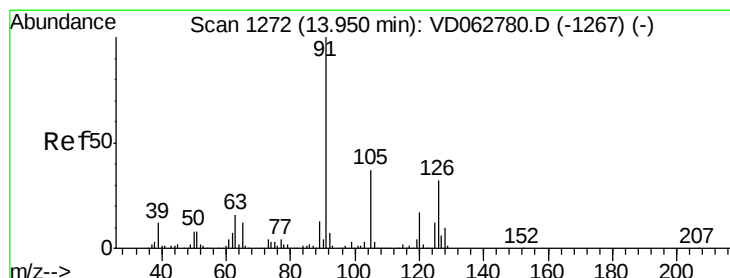
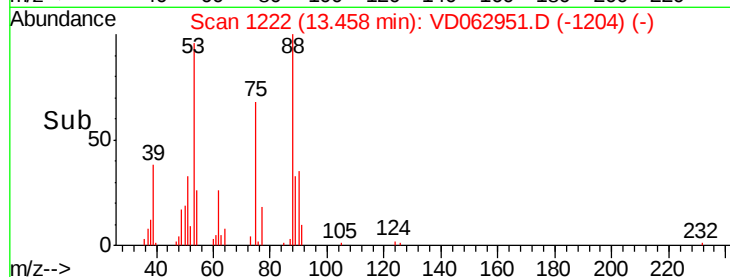
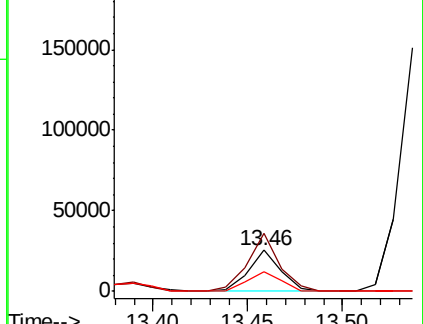
89 49.1 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.321 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062951.D

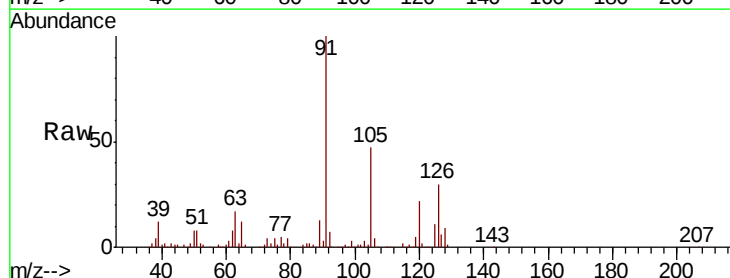
Acq: 28 Jun 2019 2:55

Tgt Ion: 91 Resp: 523678

Ion Ratio Lower Upper

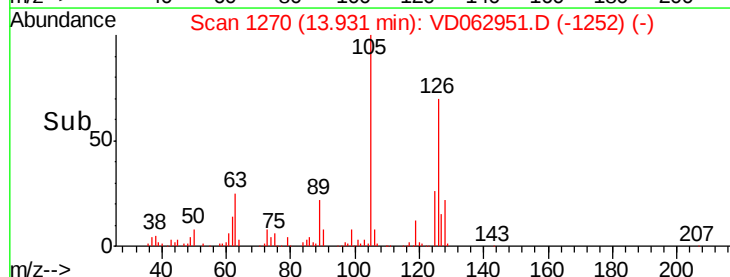
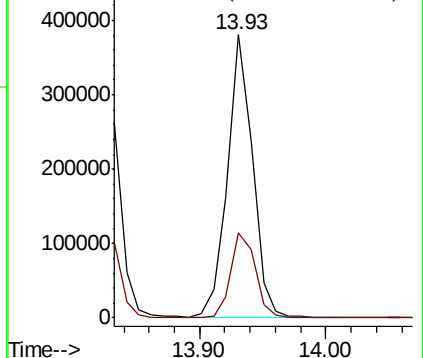
91 100

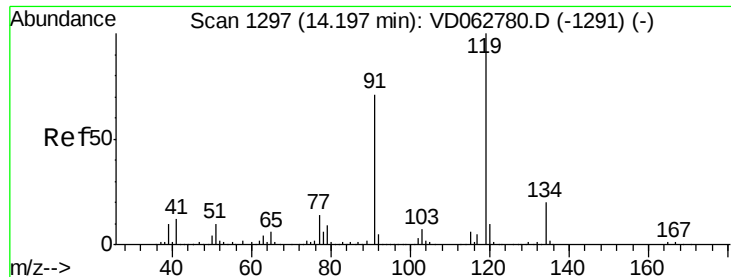
126 29.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 18.401 ug/l

RT: 14.18 min Scan# 1295

Delta R.T. -0.02 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampled :

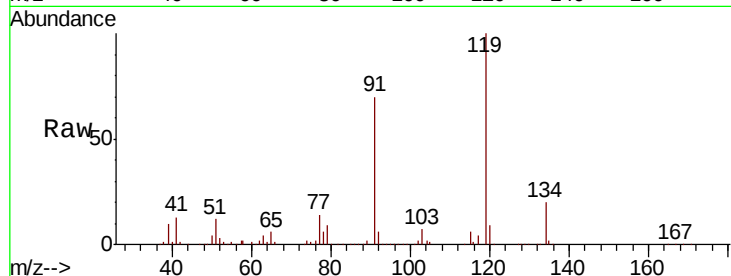
Tot Ion:119 Resp: 614965

Ion Ratio Lower Upper

119 100

91 70.0 35.5 106.5

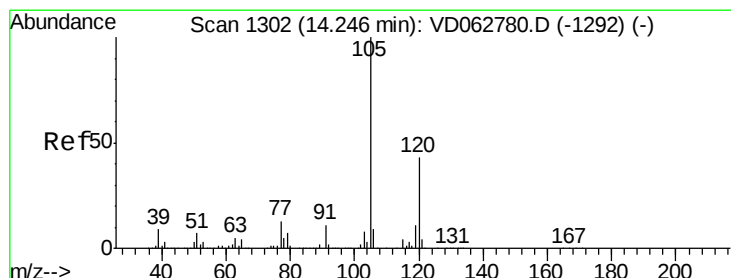
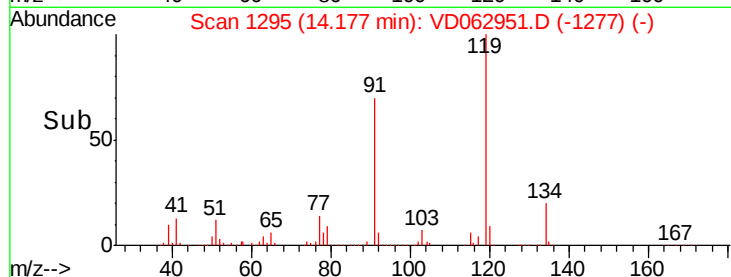
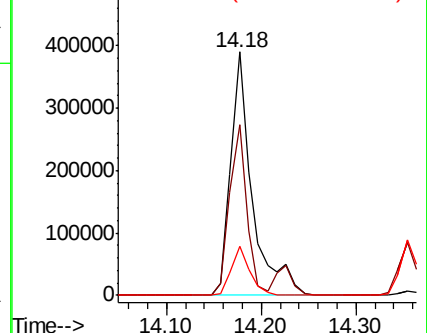
134 20.2 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.998 ug/l

RT: 14.23 min Scan# 1300

Delta R.T. -0.02 min

Lab File: VD062951.D

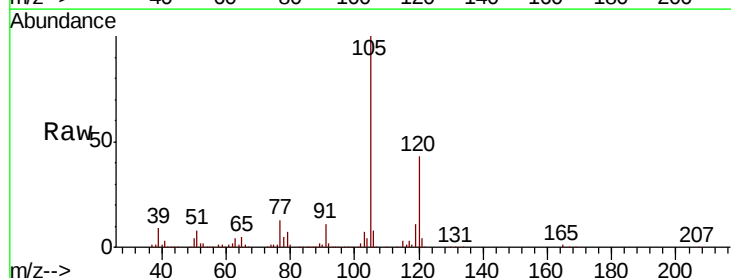
Acq: 28 Jun 2019 2:55

Tgt Ion:105 Resp: 553078

Ion Ratio Lower Upper

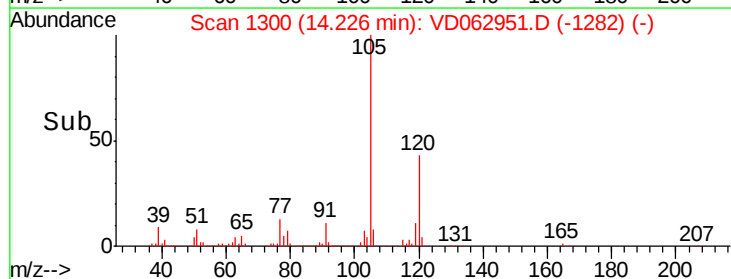
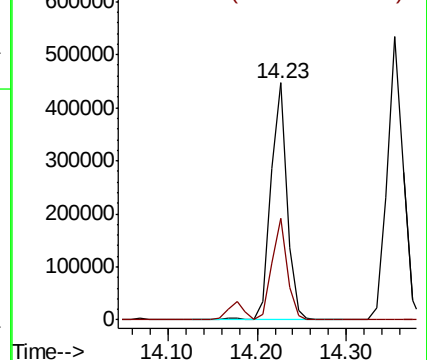
105 100

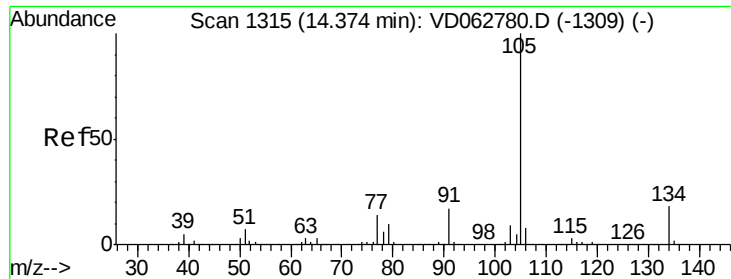
120 42.6 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

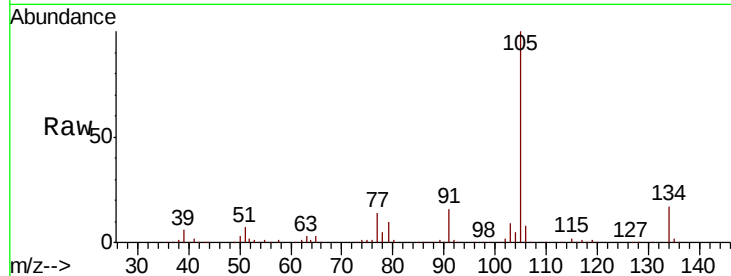




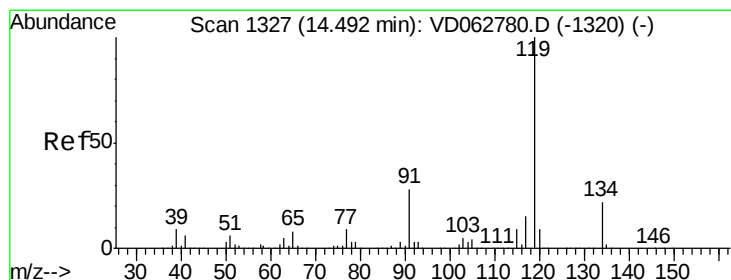
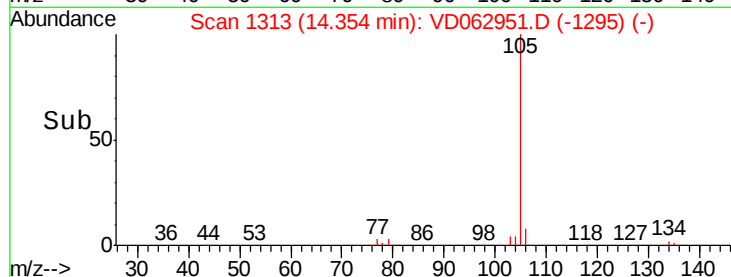
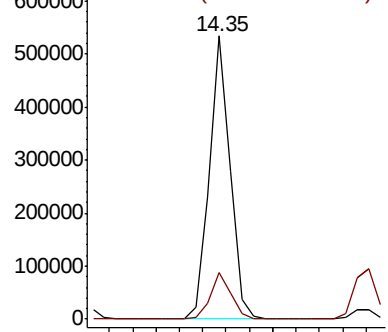
#85
 sec-Butylbenzene
 Concen: 18.105 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 657622
 Ion Ratio Lower Upper
 105 100
 134 16.7 9.1 27.3

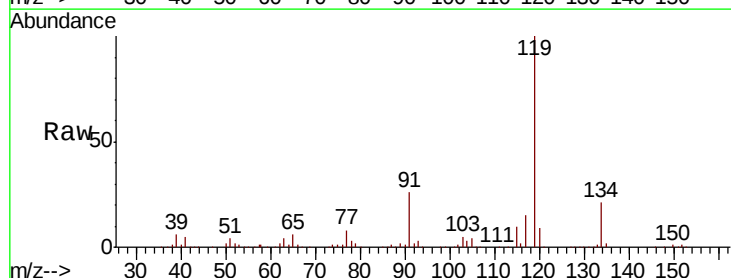


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

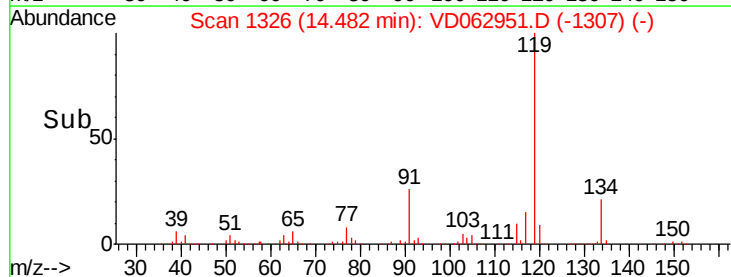
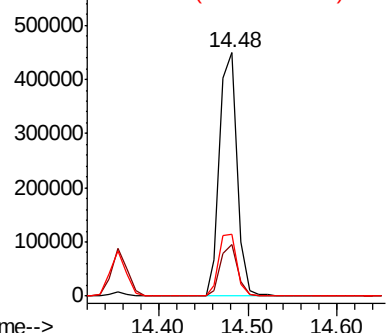


#86
 p-Isopropyltoluene
 Concen: 18.527 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion:119 Resp: 615650
 Ion Ratio Lower Upper
 119 100
 134 21.2 11.1 33.1
 91 25.7 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

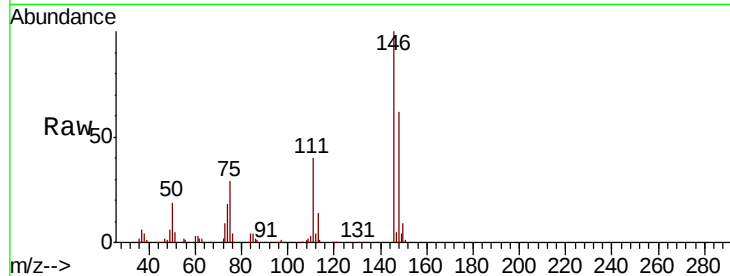




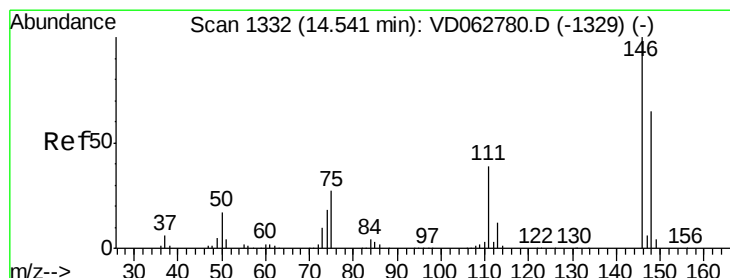
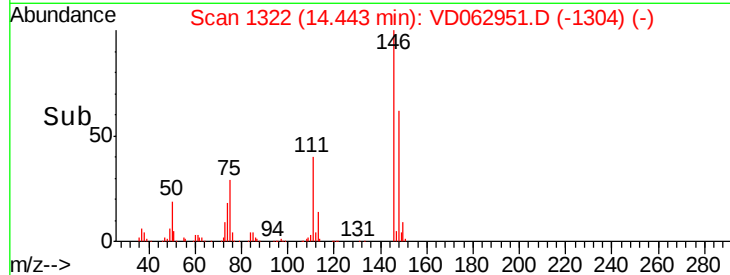
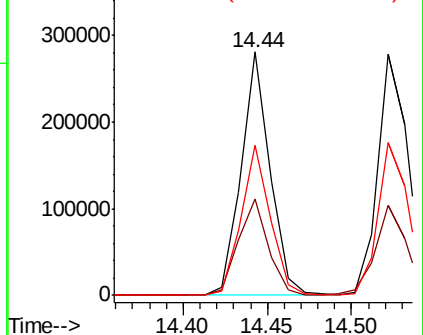
#87
 1,3-Dichlorobenzene
 Concen: 19.426 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.0	57.0
148	61.8	30.8	92.3

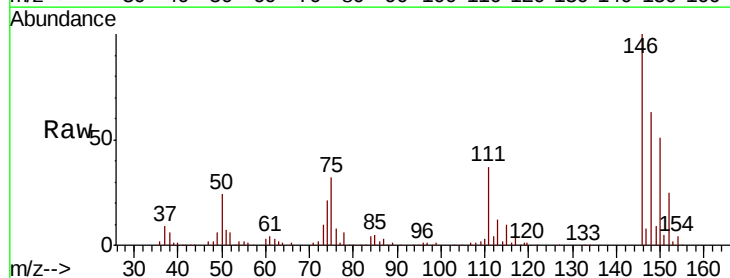


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

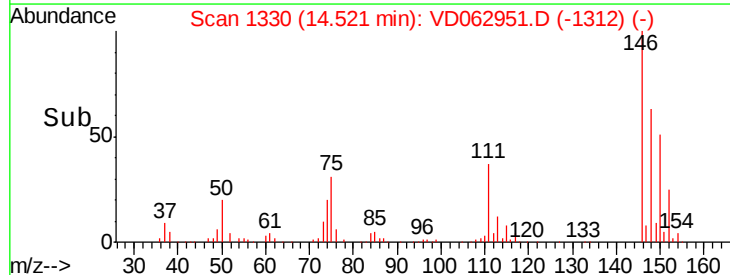
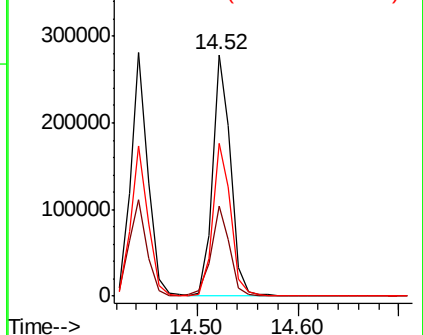


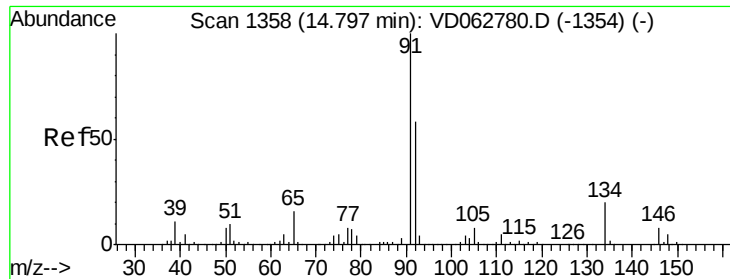
#88
 1,4-Dichlorobenzene
 Concen: 20.251 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.1
148	63.0	32.8	98.3



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





#89

n-Butylbenzene

Concen: 14.577 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampled :

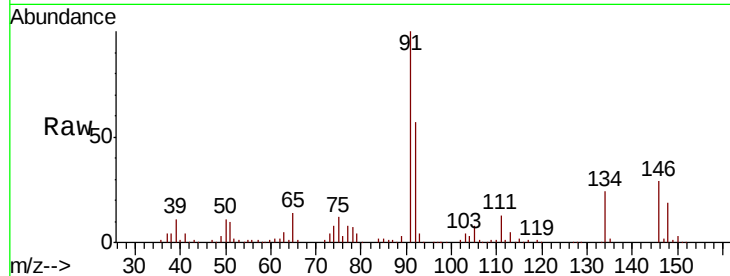
Tot Ion: 91 Resp: 453378

Ion Ratio Lower Upper

91 100

92 57.4 28.9 86.7

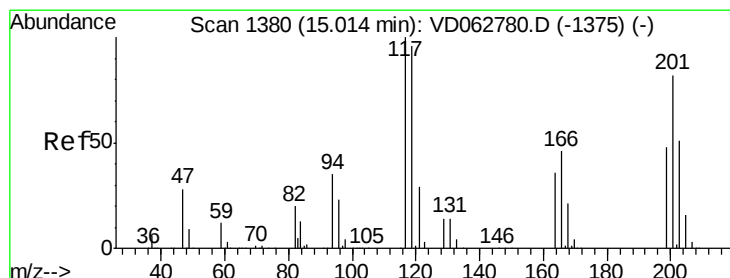
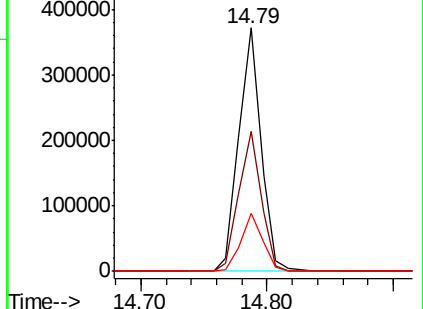
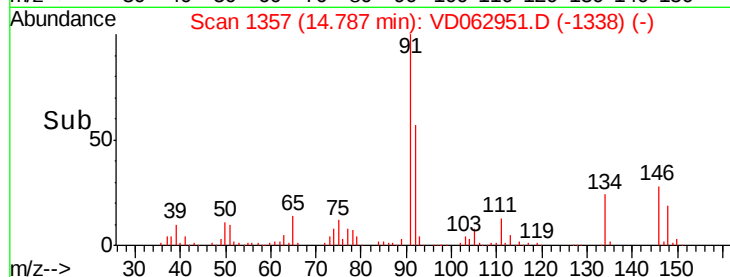
134 23.6 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 17.645 ug/l

RT: 14.99 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VD062951.D

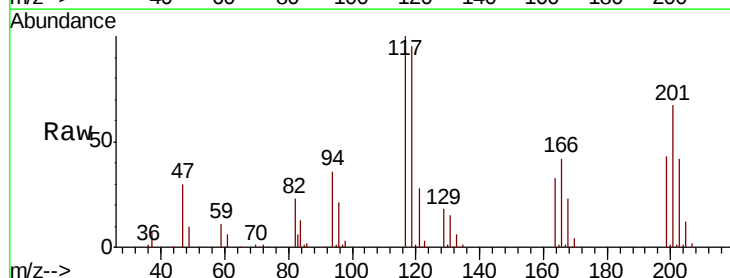
Acq: 28 Jun 2019 2:55

Tgt Ion: 117 Resp: 157646

Ion Ratio Lower Upper

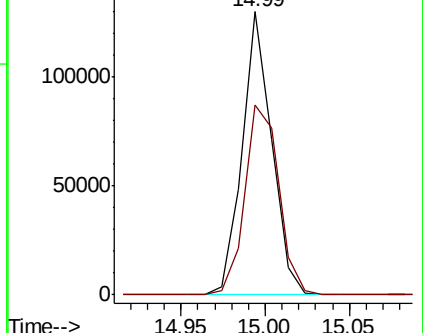
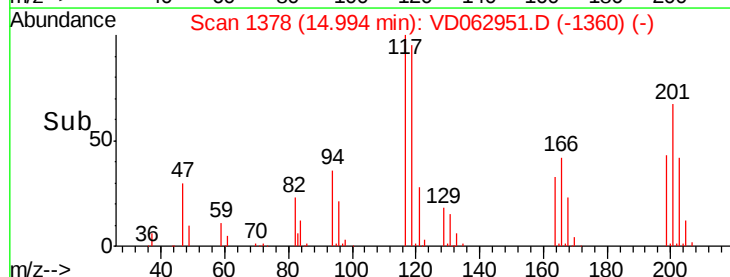
117 100

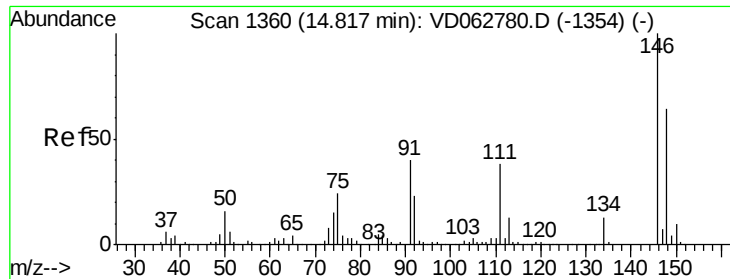
201 67.1 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

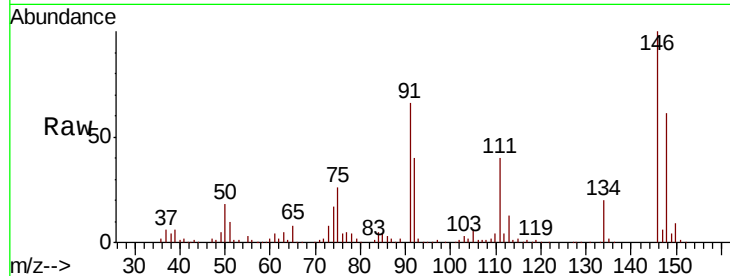




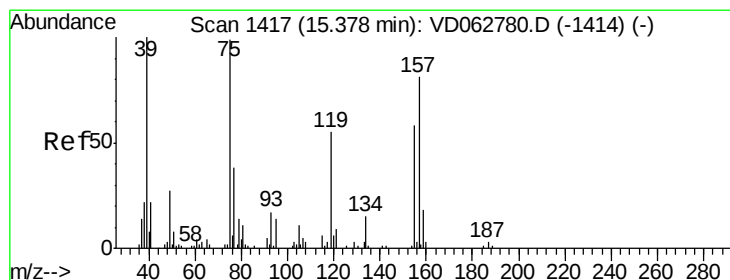
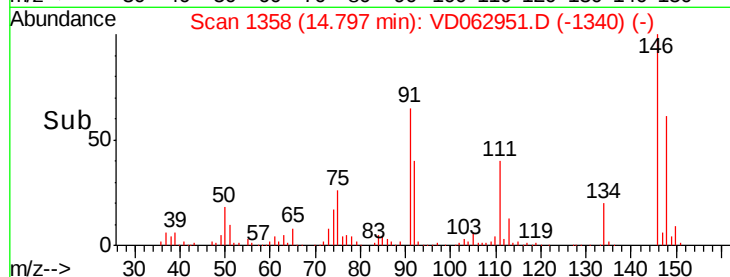
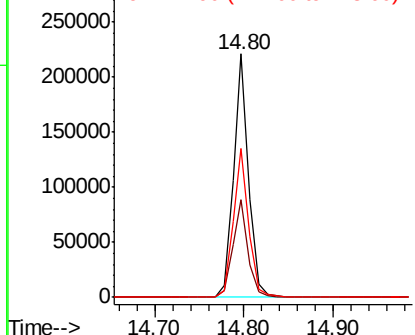
#91
 1,2-Dichlorobenzene
 Concen: 17.930 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 264010
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.1 57.1
 148 60.9 32.3 96.8

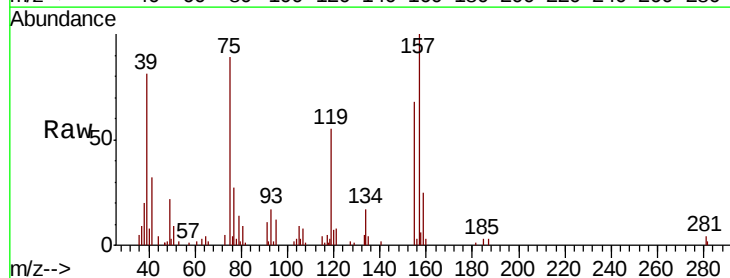


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

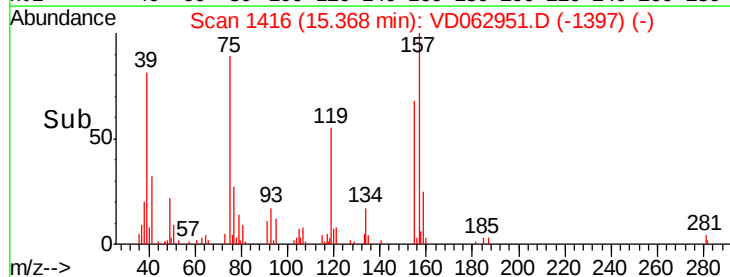
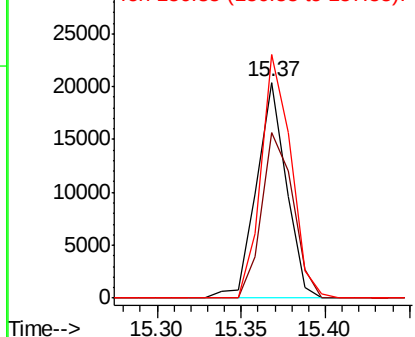


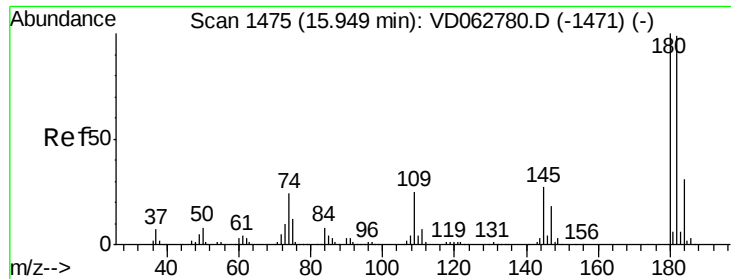
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.955 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion: 75 Resp: 24922
 Ion Ratio Lower Upper
 75 100
 155 76.8 29.3 87.8
 157 112.9 41.3 123.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

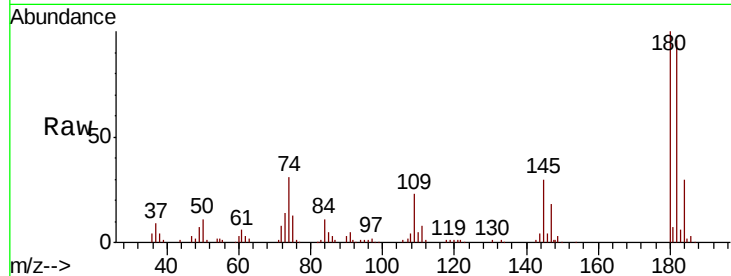




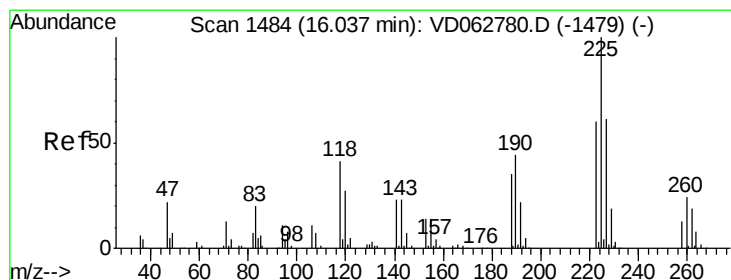
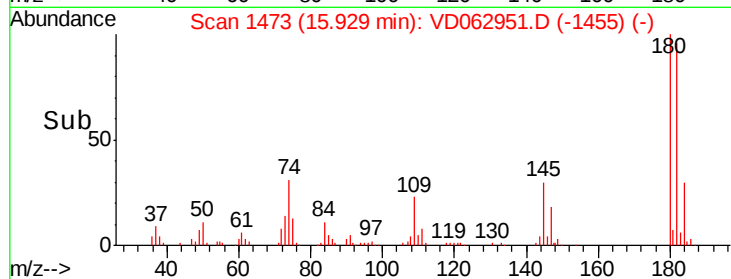
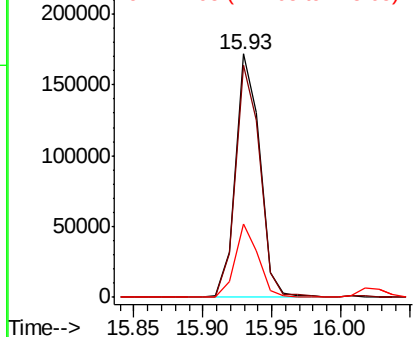
#93
 1,2,4-Trichlorobenzene
 Concen: 18.493 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 212712
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.5 148.5
 145 30.3 13.7 41.0

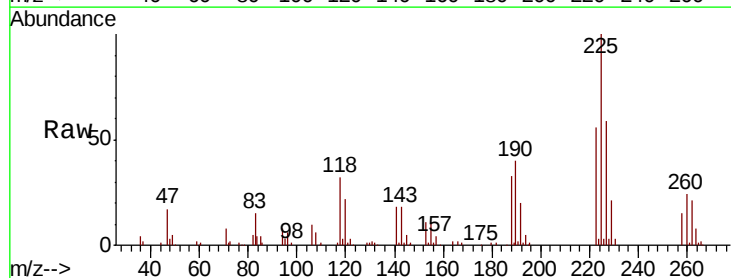


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

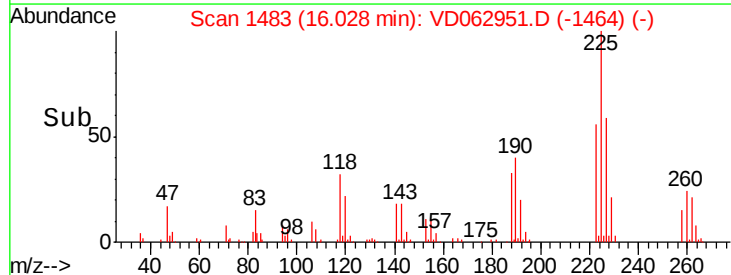
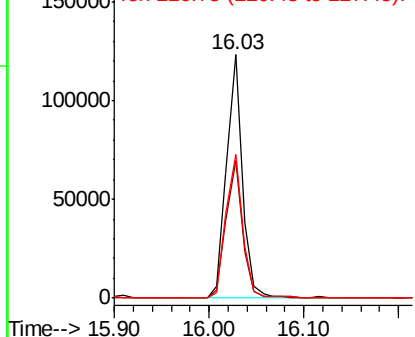


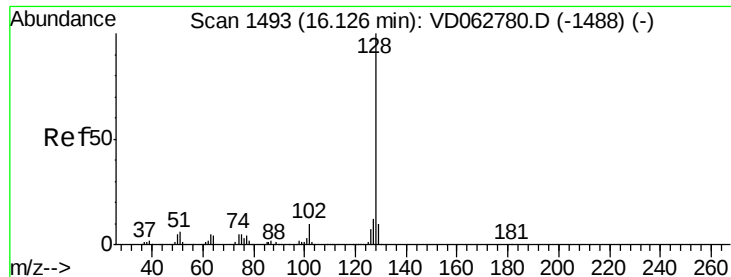
#94
 Hexachlorobutadiene
 Concen: 16.327 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062951.D
 Acq: 28 Jun 2019 2:55

Tgt Ion:225 Resp: 143468
 Ion Ratio Lower Upper
 225 100
 223 56.2 29.8 89.5
 227 59.1 30.6 91.6



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





#95

Naphthalene

Concen: 20.933 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

Instrument :

MSVOA_D

ClientSampleId :

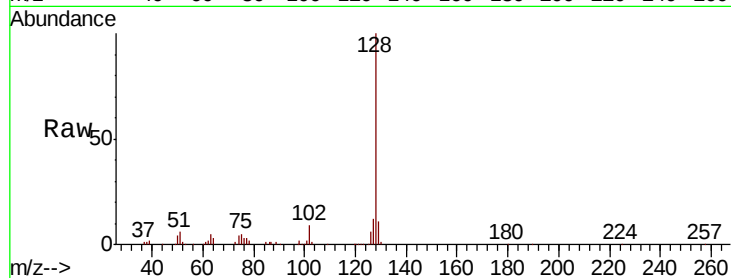
Tot Ion:128 Resp: 337478

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

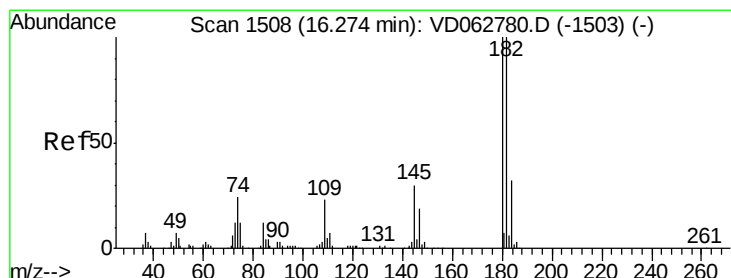
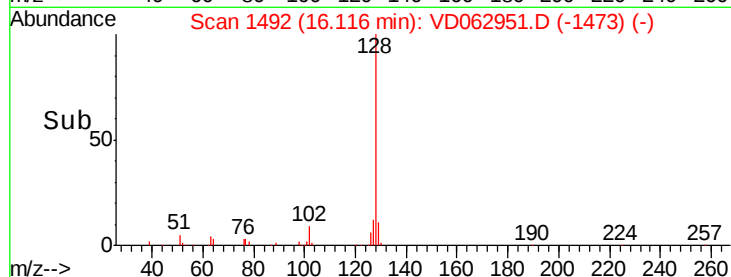
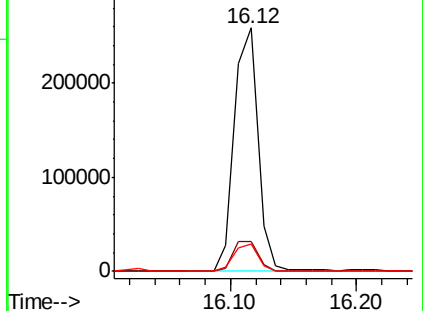
129 11.3 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.305 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062951.D

Acq: 28 Jun 2019 2:55

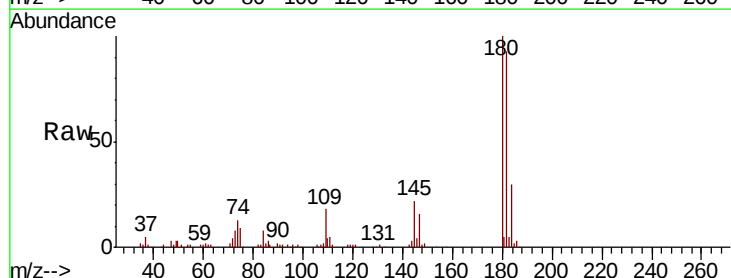
Tgt Ion:180 Resp: 179455

Ion Ratio Lower Upper

180 100

182 93.2 49.9 149.6

145 22.1 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

