

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062948.D
 Acq On : 27 Jun 2019 23:44
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 05:23:14 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	747904	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	957003	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	835047	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	480484	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	432832	53.24	ug/l	-0.04
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	6.89	113	423257	52.45	ug/l	-0.04
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	10.39	98	897036	51.08	ug/l	-0.03
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	13.54	95	390705	48.92	ug/l	-0.02
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	437491	45.204	ug/l	100
3) Chloromethane	1.75	50	294672	40.485	ug/l	91
4) Vinyl Chloride	1.83	62	312463	43.297	ug/l	99
5) Bromomethane	2.14	94	144832	42.854	ug/l	95
6) Chloroethane	2.25	64	162242	49.657	ug/l	99
7) Trichlorofluoromethane	2.51	101	730745	50.034	ug/l	99
8) Diethyl Ether	2.85	74	101369	54.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.12	101	380030	48.030	ug/l	96
10) Methyl Iodide	3.28	142	502963	48.183	ug/l	100
11) Tert butyl alcohol	4.06	59	101226	273.392	ug/l #	86
12) 1,1-Dichloroethene	3.09	96	272103	45.843	ug/l	83
13) Acrolein	3.02	56	97499	257.939	ug/l	96
14) Allyl chloride	3.59	41	428872	48.900	ug/l #	88
15) Acrylonitrile	4.17	53	243428	279.799	ug/l	96
16) Acetone	3.20	43	447801	272.245	ug/l	99
17) Carbon Disulfide	3.34	76	799768	42.160	ug/l #	94
18) Methyl Acetate	3.62	43	171379	69.833	ug/l #	87
19) Methyl tert-butyl Ether	4.22	73	756282	58.857	ug/l	96
20) Methylene Chloride	3.78	84	311343	50.217	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	313994	49.682	ug/l	93
22) Diisopropyl ether	5.09	45	966433	54.184	ug/l	98
23) Vinyl Acetate	5.02	43	2942468	263.641	ug/l	100
24) 1,1-Dichloroethane	4.94	63	584137	50.301	ug/l	99
25) 2-Butanone	6.05	43	450508	296.293	ug/l	94
26) 2,2-Dichloropropane	6.00	77	556972	45.249	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	336100	50.288	ug/l	94
28) Bromochloromethane	6.41	49	222333	54.360	ug/l	85
29) Tetrahydrofuran	6.43	42	209642	291.413	ug/l	98
30) Chloroform	6.64	83	794285	56.241	ug/l	94
31) Cyclohexane	6.91	56	337558	44.216	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	787192	53.514	ug/l	94
36) 1,1-Dichloropropene	7.12	75	469435	51.818	ug/l	100
37) Ethyl Acetate	6.16	43	228289	60.213	ug/l #	94
38) Carbon Tetrachloride	7.08	117	843095	61.879	ug/l	93

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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	391073	49.041	ug/l	96
40) Benzene	7.43	78	1005800	55.309	ug/l	95
41) Methacrylonitrile	6.42	41	295454	61.842	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	619278	62.425	ug/l	98
43) Isopropyl Acetate	9.22	43	299568	63.073	ug/l #	91
44) Trichloroethene	8.52	130	407977	57.225	ug/l	99
45) 1,2-Dichloropropane	8.91	63	237789	52.587	ug/l	93
46) Dibromomethane	9.04	93	225215	57.981	ug/l	95
47) Bromodichloromethane	9.35	83	607181	60.189	ug/l	98
48) Methyl methacrylate	9.10	41	209252	61.998	ug/l	98
49) 1,4-Dioxane	9.05	88	34635	1233.433	ug/l #	87
51) 4-Methyl-2-Pentanone	10.28	43	1061013	315.085	ug/l	99
52) Toluene	10.49	92	696437	56.973	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	499257	60.466	ug/l	95
54) cis-1,3-Dichloropropene	10.01	75	487249	54.293	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	262254	62.446	ug/l	91
56) Ethyl methacrylate	11.02	69	277073	61.734	ug/l	96
57) 1,3-Dichloropropane	11.38	76	384498	59.794	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	687010	298.162	ug/l	98
59) 2-Hexanone	11.51	43	824569	343.826	ug/l	95
60) Dibromochloromethane	11.67	129	493774	63.122	ug/l	99
61) 1,2-Dibromoethane	11.79	107	322048	64.928	ug/l	91
64) Tetrachloroethene	11.24	164	419071	60.977	ug/l	97
65) Chlorobenzene	12.39	112	873948	56.393	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	427978	59.051	ug/l	91
67) Ethyl Benzene	12.50	91	1581393	56.835	ug/l	95
68) m/p-Xylenes	12.65	106	1053689	108.730	ug/l	98
69) o-Xylene	13.04	106	545013	61.521	ug/l	99
70) Styrene	13.06	104	937838	60.271	ug/l	97
71) Bromoform	13.22	173	319308	64.304	ug/l	94
73) Isopropylbenzene	13.39	105	1592781	51.701	ug/l	99
74) N-amyl acetate	13.25	43	452797	60.522	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	321311	64.011	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	324082	58.426	ug/l	91
77) Bromobenzene	13.66	156	449389	54.232	ug/l	99
78) n-propylbenzene	13.77	91	1854477	51.718	ug/l	99
79) 2-Chlorotoluene	13.82	91	1177160	57.445	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1393570	53.853	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	79271	54.529	ug/l	91
82) 4-Chlorotoluene	13.93	91	1387796	56.254	ug/l	94
83) tert-Butylbenzene	14.18	119	1429129	49.547	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1393177	52.527	ug/l	98
85) sec-Butylbenzene	14.36	105	1658998	52.919	ug/l	97
86) p-Isopropyltoluene	14.48	119	1512368	52.732	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	809211	54.478	ug/l	95
88) 1,4-Dichlorobenzene	14.52	146	811393	54.385	ug/l	98
89) n-Butylbenzene	14.79	91	1320595	49.196	ug/l	96
90) Hexachloroethane	15.00	117	430659	55.848	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	683635	53.793	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	58980	60.200	ug/l	84

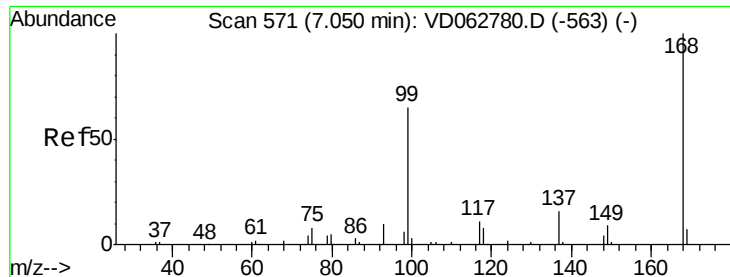
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	576831	58.104	ug/l	97
94) Hexachlorobutadiene	16.03	225	410328	54.103	ug/l	94
95) Naphthalene	16.11	128	827275	59.454	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	464213	60.859	ug/l	95

(#) = 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: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

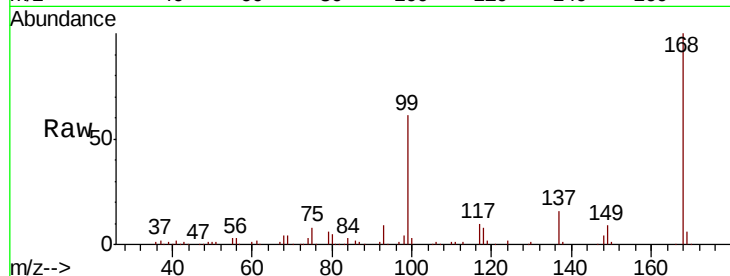
ClientSampled :

Tot Ion:168 Resp: 747904

Ion Ratio Lower Upper

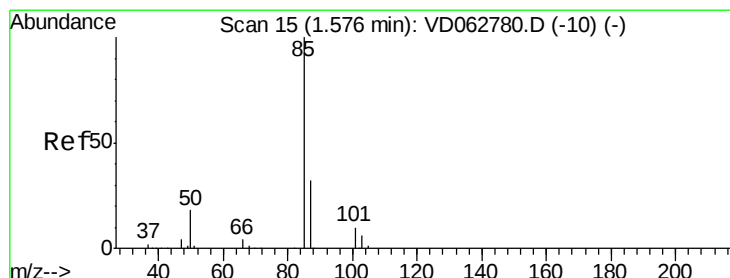
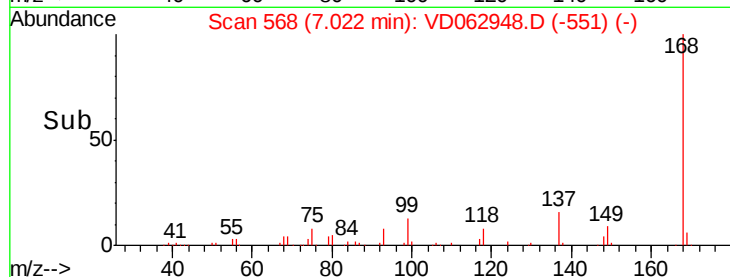
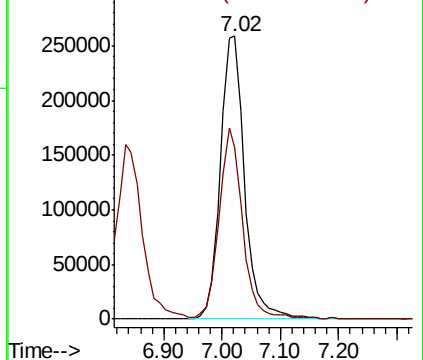
168 100

99 60.9 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: 45.204 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062948.D

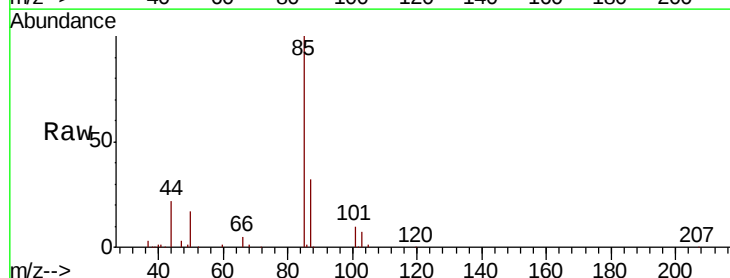
Acq: 27 Jun 2019 23:44

Tgt Ion: 85 Resp: 437491

Ion Ratio Lower Upper

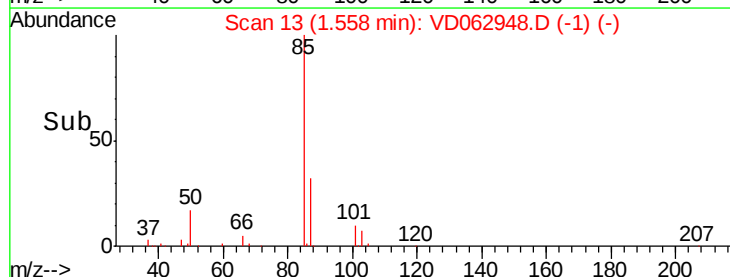
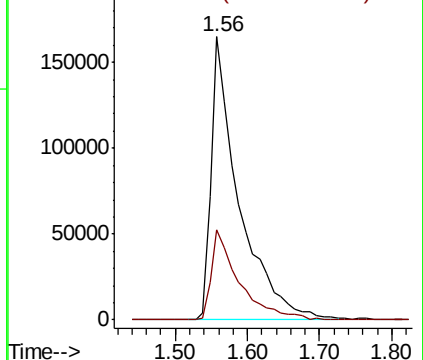
85 100

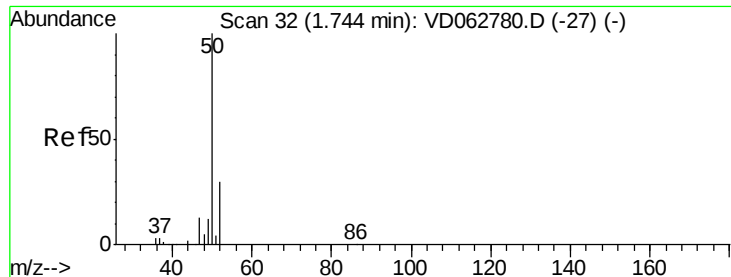
87 31.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.485 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

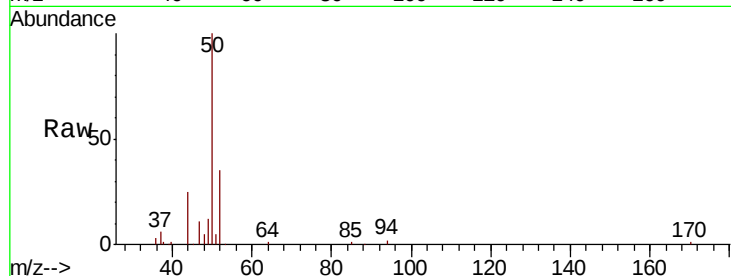
ClientSampleId :

Tot Ion: 50 Resp: 294672

Ion Ratio Lower Upper

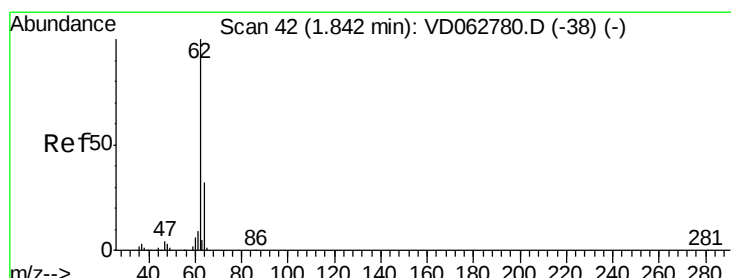
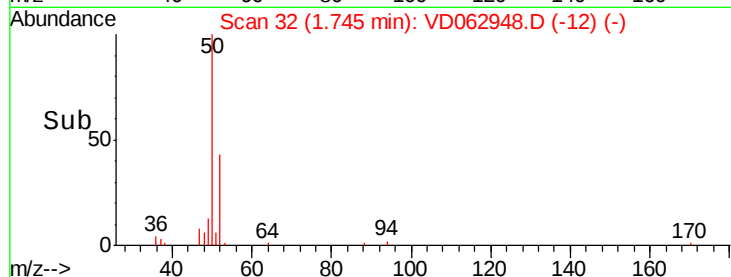
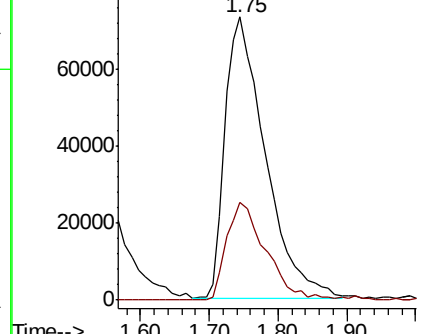
50 100

52 34.5 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.297 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062948.D

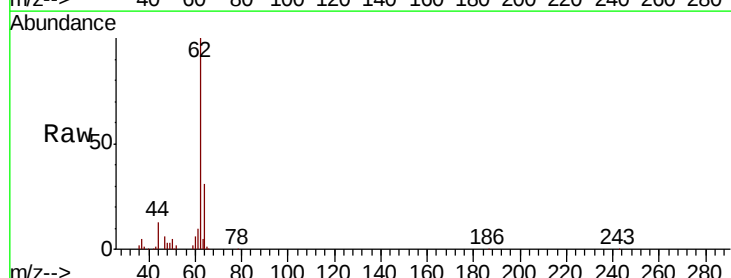
Acq: 27 Jun 2019 23:44

Tgt Ion: 62 Resp: 312463

Ion Ratio Lower Upper

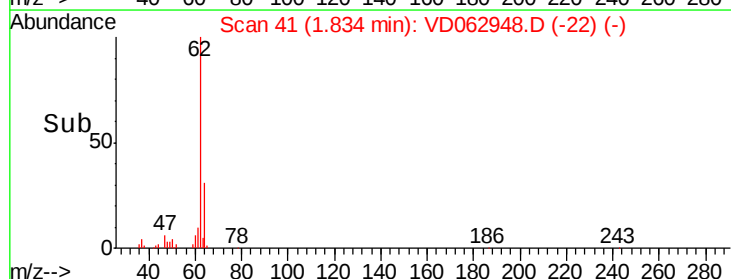
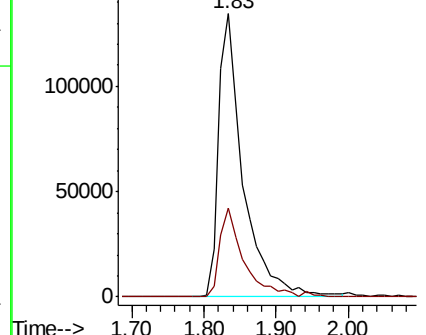
62 100

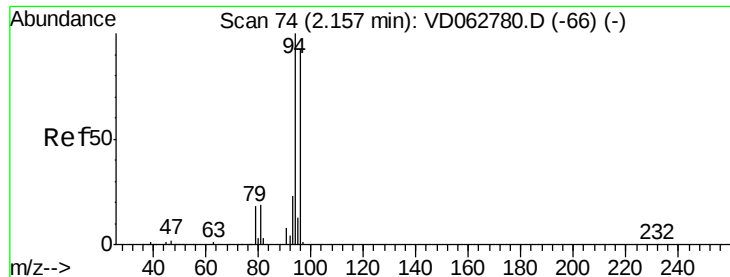
64 31.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 42.854 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

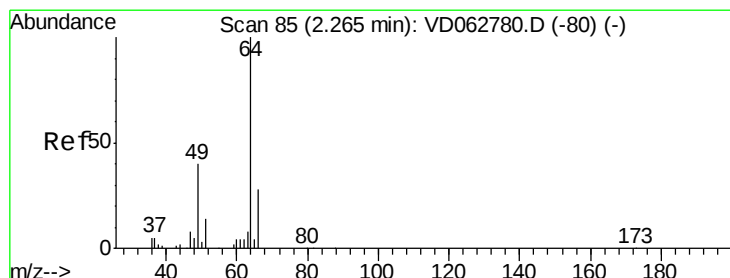
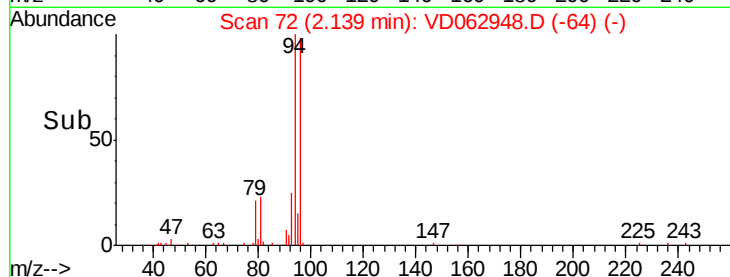
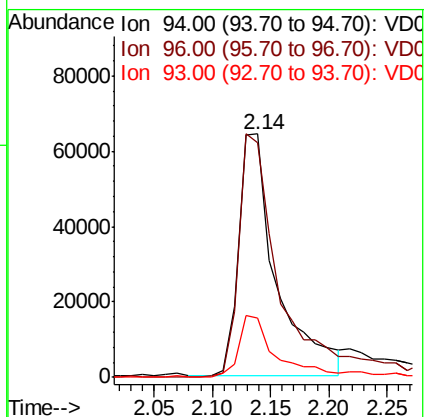
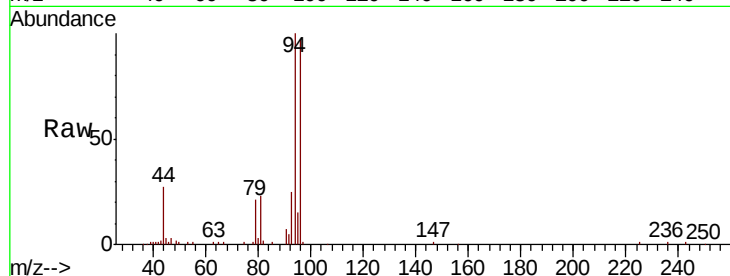
Tot Ion: 94 Resp: 144832

Ion Ratio Lower Upper

94 100

96 96.6 73.4 110.2

93 24.6 18.2 27.4



#6

Chloroethane

Concen: 49.657 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062948.D

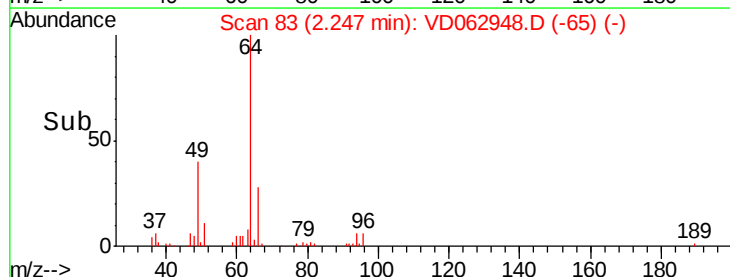
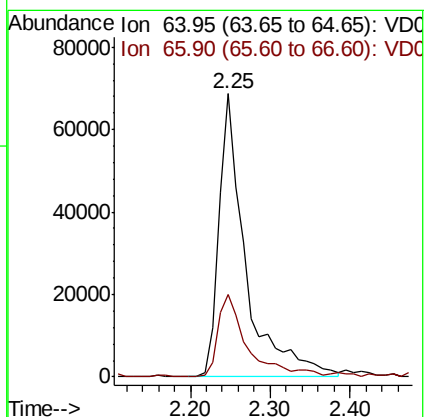
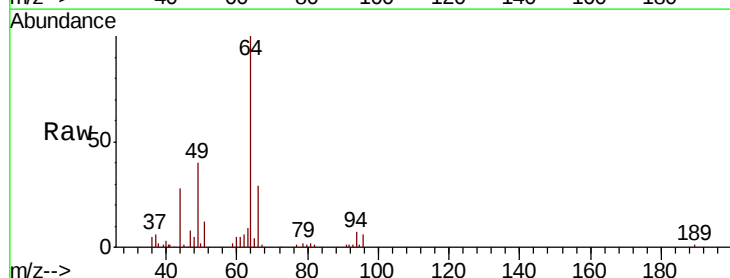
Acq: 27 Jun 2019 23:44

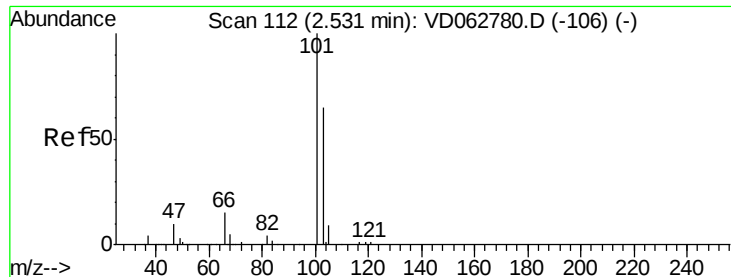
Tgt Ion: 64 Resp: 162242

Ion Ratio Lower Upper

64 100

66 29.1 23.0 34.4



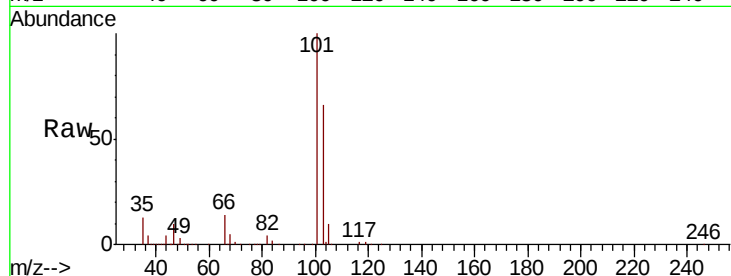


#7

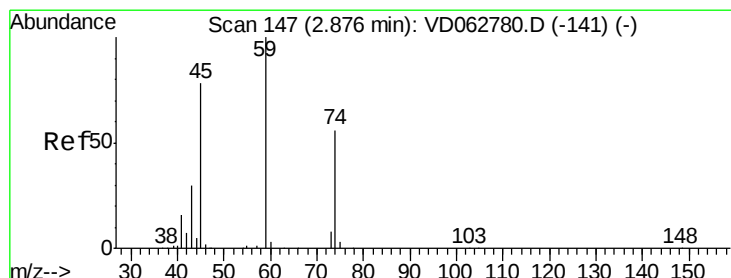
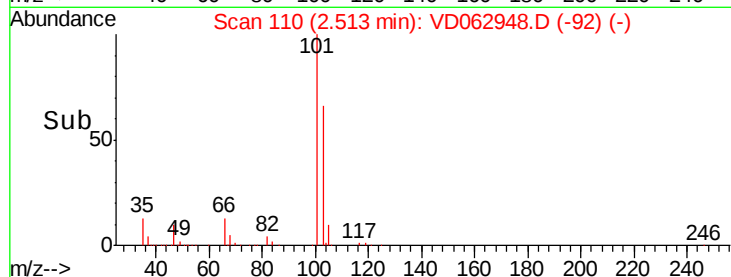
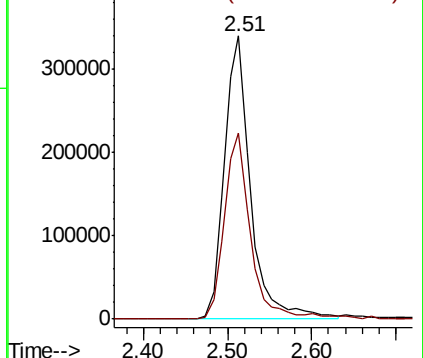
Trichlorofluoromethane
Concen: 50.034 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 730745
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8



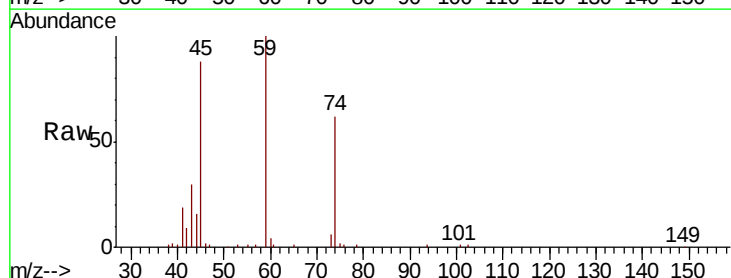
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



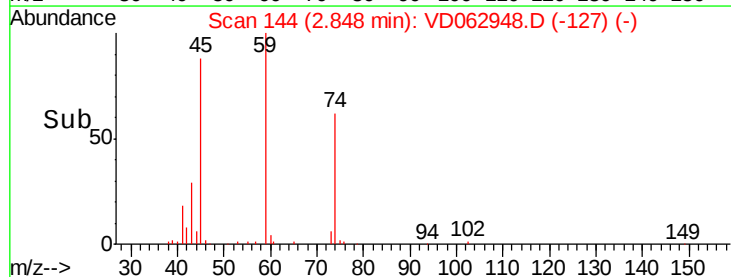
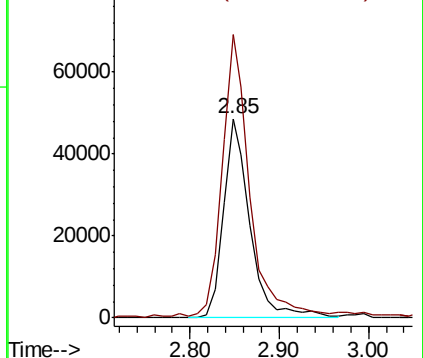
#8

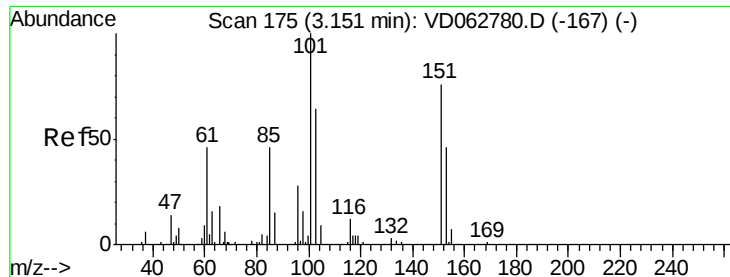
Diethyl Ether
Concen: 54.626 ug/l
RT: 2.85 min Scan# 144
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion: 74 Resp: 101369
Ion Ratio Lower Upper
74 100
45 142.1 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: 48.030 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

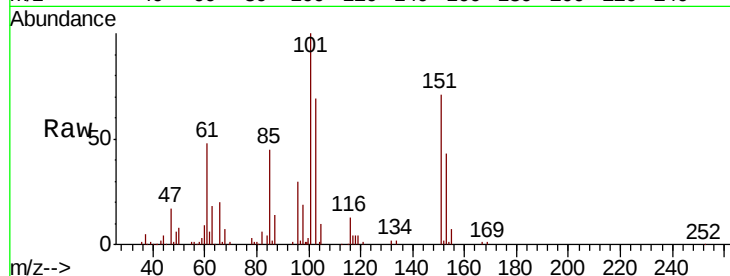
Tot Ion:101 Resp: 380030

Ion Ratio Lower Upper

101 100

85 44.7 37.0 55.4

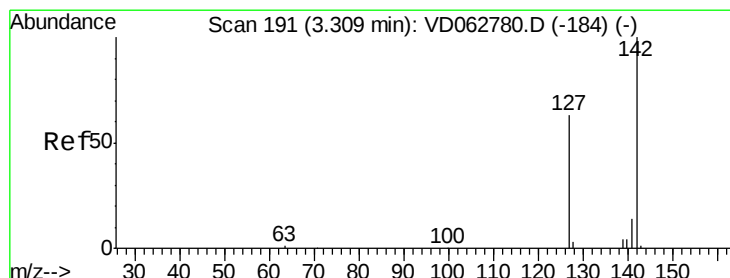
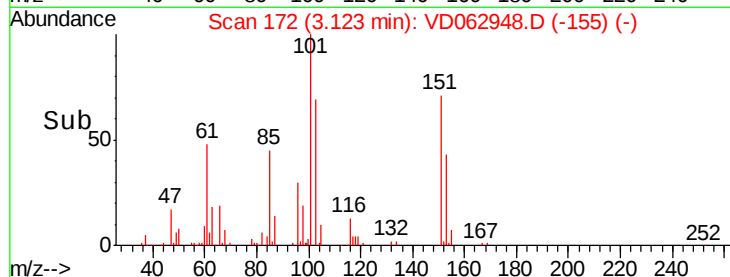
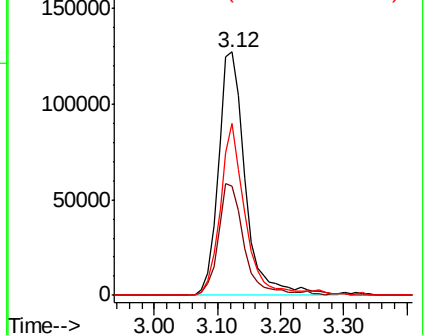
151 70.7 60.5 90.7



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: 48.183 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

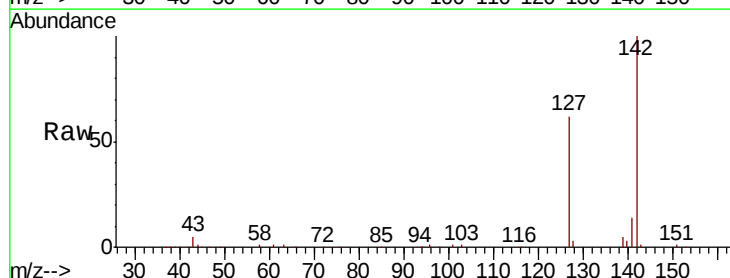
Tgt Ion:142 Resp: 502963

Ion Ratio Lower Upper

142 100

127 62.3 50.1 75.1

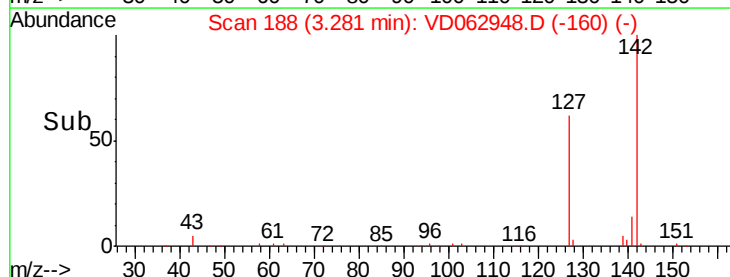
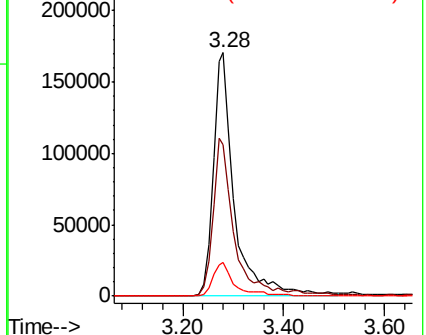
141 13.8 11.0 16.4

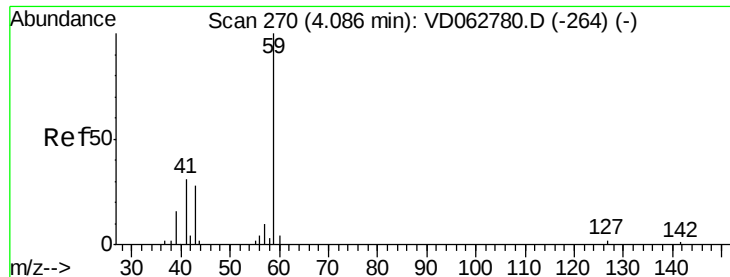


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



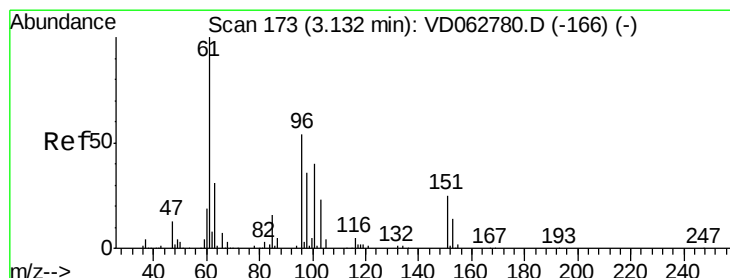
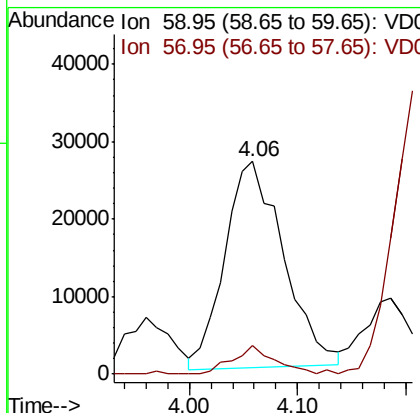
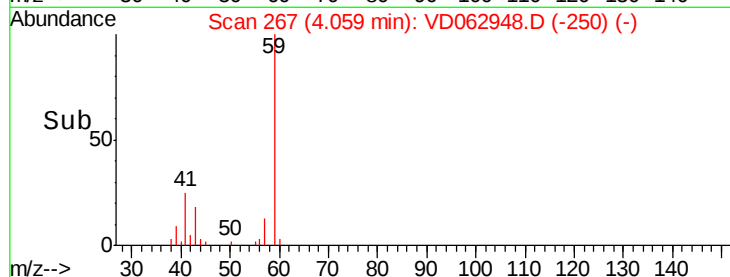
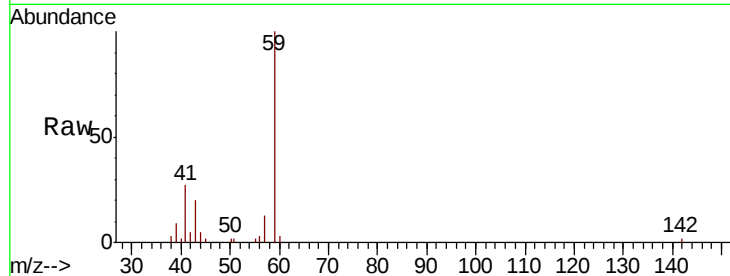


#11

Tert butyl alcohol
Concen: 273.392 ug/l
RT: 4.06 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :

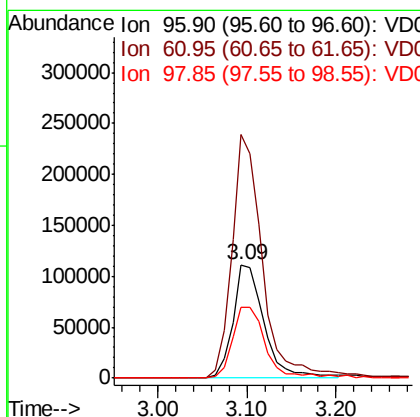
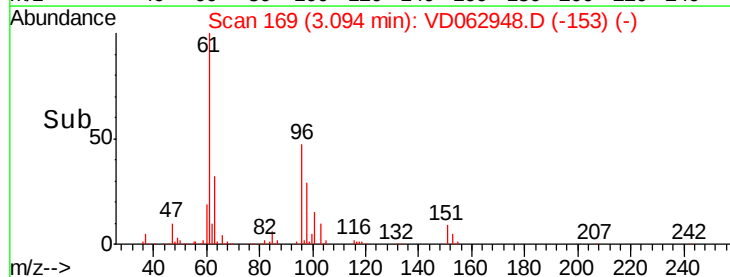
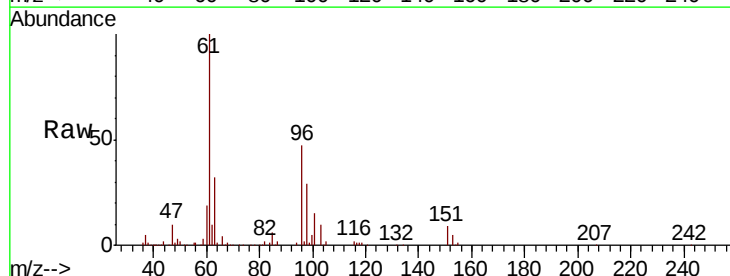
Tot Ion: 59 Resp: 101226
Ion Ratio Lower Upper
59 100
57 13.4 6.6 10.0#

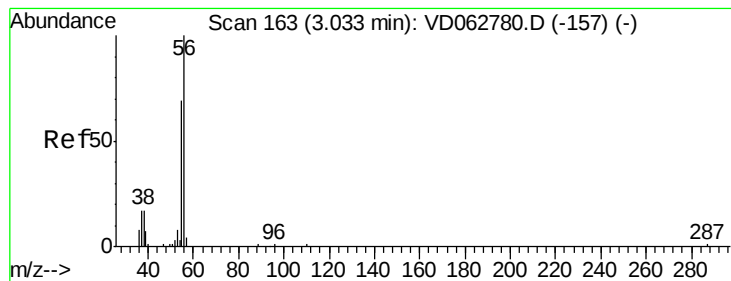


#12

1,1-Dichloroethene
Concen: 45.843 ug/l
RT: 3.09 min Scan# 169
Delta R.T. -0.04 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion: 96 Resp: 272103
Ion Ratio Lower Upper
96 100
61 214.3 147.1 220.7
98 62.6 52.6 79.0





#13

Acrolein

Concen: 257.939 ug/l

RT: 3.02 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

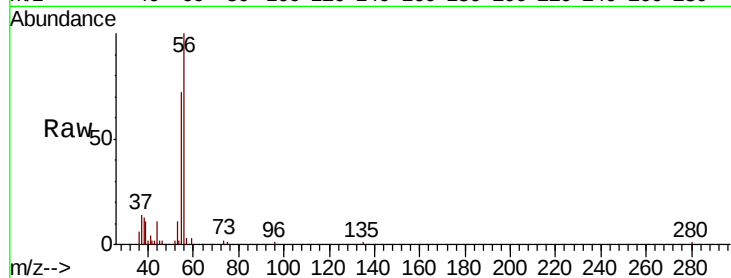
ClientSampleId :

Tot Ion: 56 Resp: 97499

Ion Ratio Lower Upper

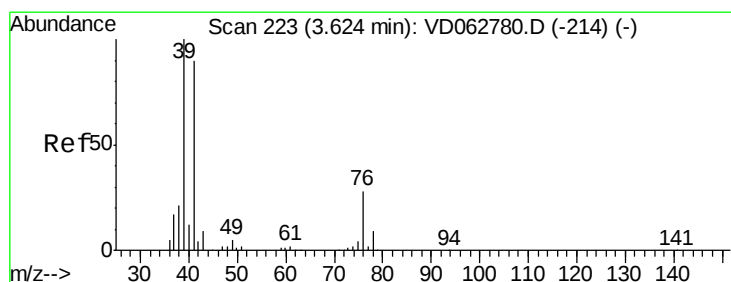
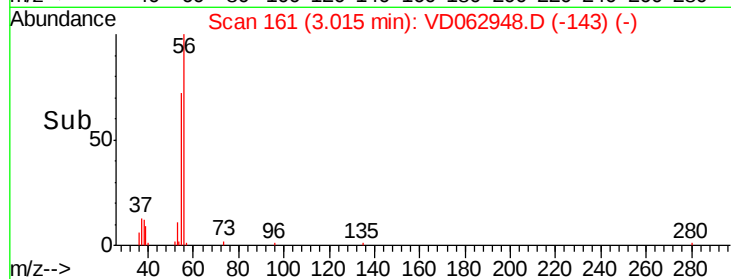
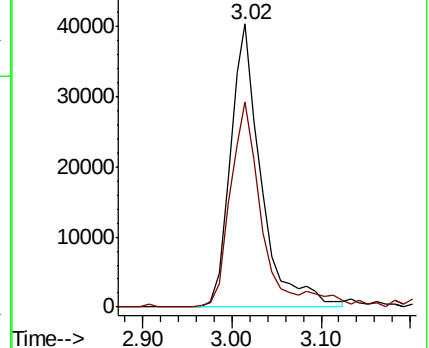
56 100

55 72.4 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: 48.900 ug/l

RT: 3.59 min Scan# 219

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

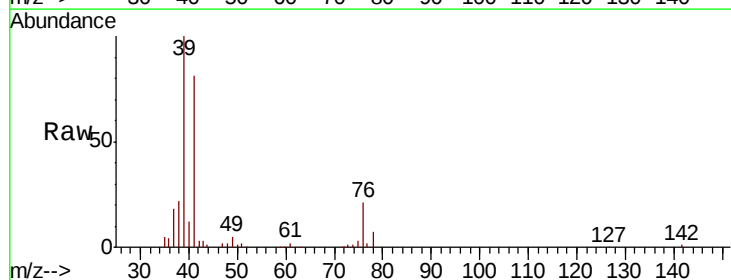
Tgt Ion: 41 Resp: 428872

Ion Ratio Lower Upper

41 100

39 123.8 88.8 133.2

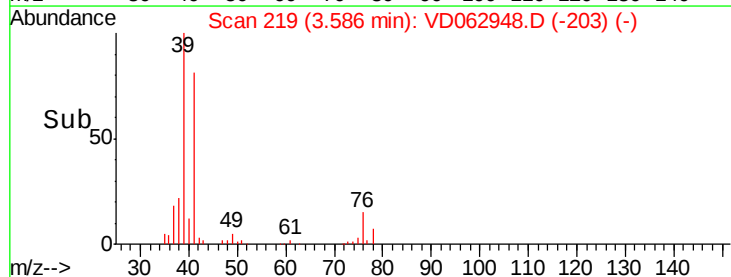
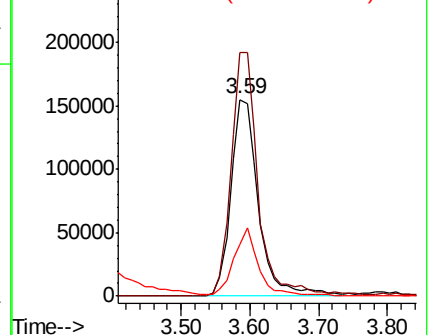
76 26.1 26.7 40.1#

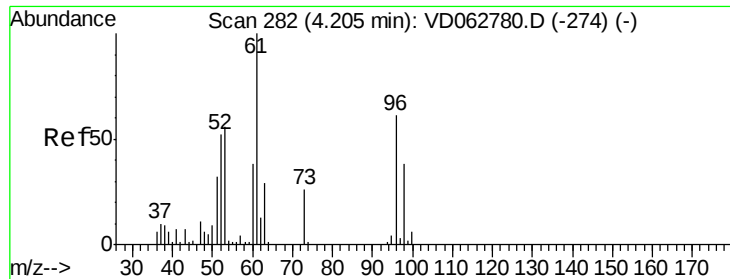


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 279.799 ug/l

RT: 4.17 min Scan# 278

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampled :

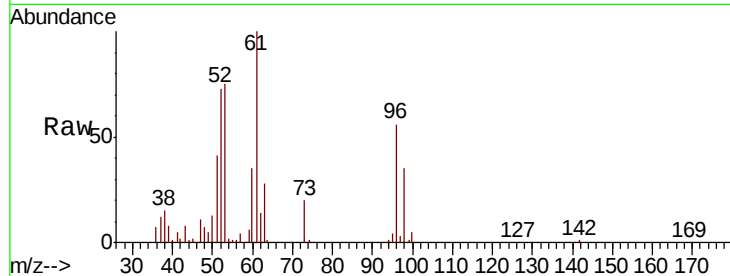
Tot Ion: 53 Resp: 243428

Ion Ratio Lower Upper

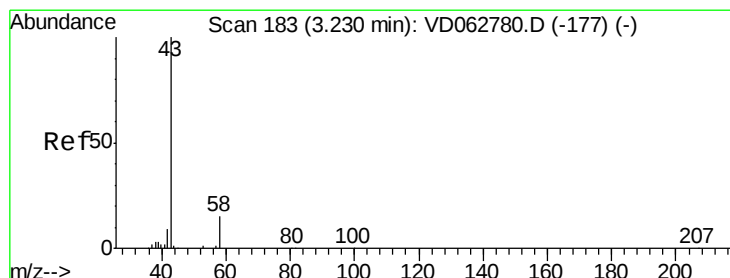
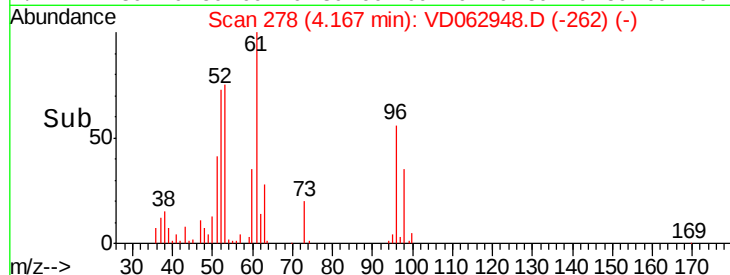
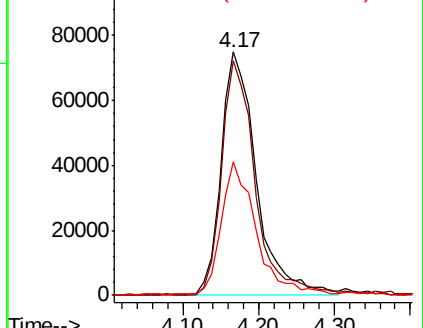
53 100

52 96.4 73.3 109.9

51 54.6 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: 272.245 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062948.D

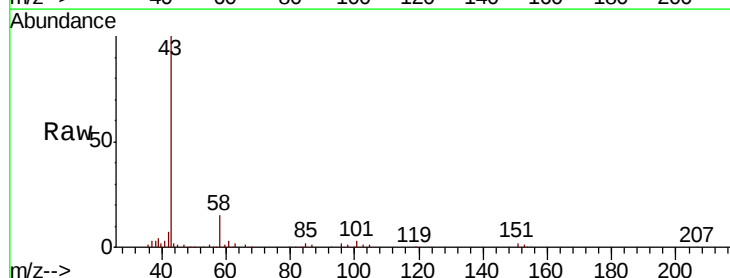
Acq: 27 Jun 2019 23:44

Tgt Ion: 43 Resp: 447801

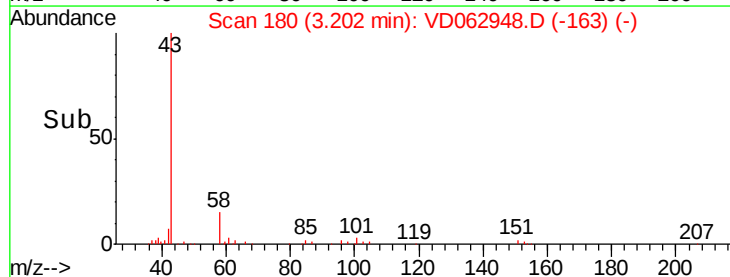
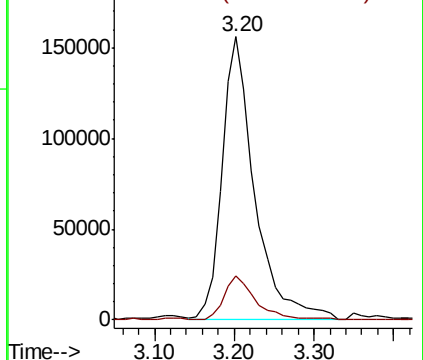
Ion Ratio Lower Upper

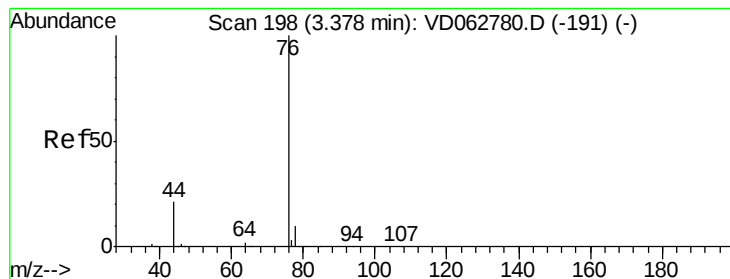
43 100

58 15.4 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: 42.160 ug/l

RT: 3.34 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

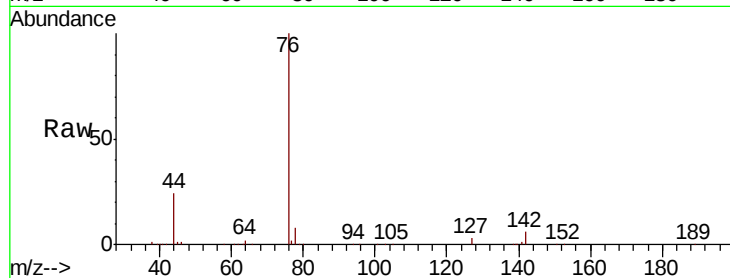
ClientSampleId :

Tot Ion: 76 Resp: 799768

Ion Ratio Lower Upper

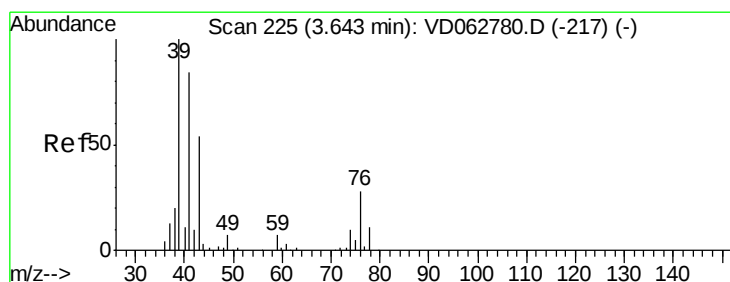
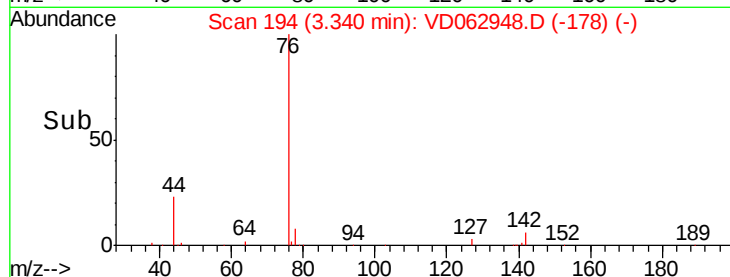
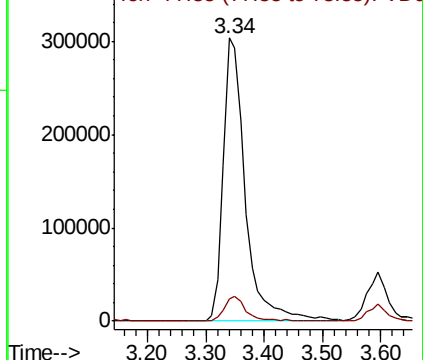
76 100

78 7.8 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: 69.833 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062948.D

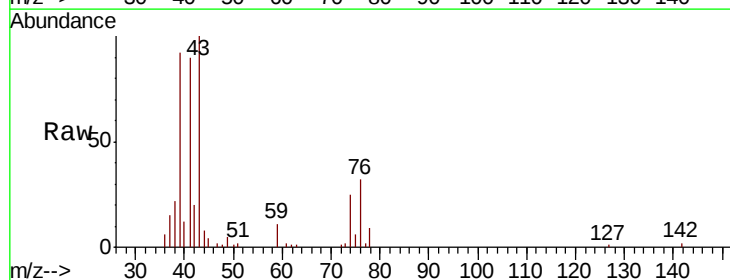
Acq: 27 Jun 2019 23:44

Tgt Ion: 43 Resp: 171379

Ion Ratio Lower Upper

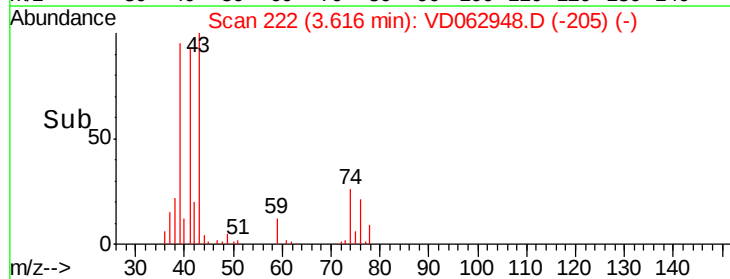
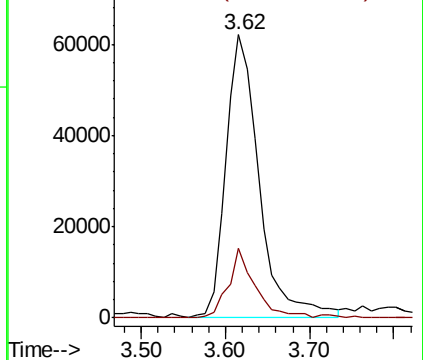
43 100

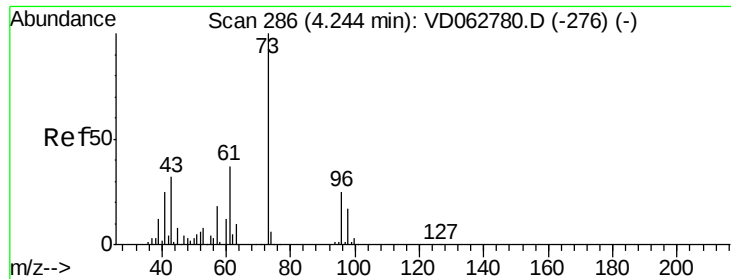
74 24.8 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

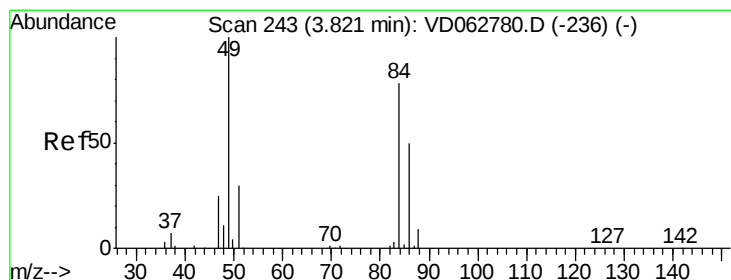
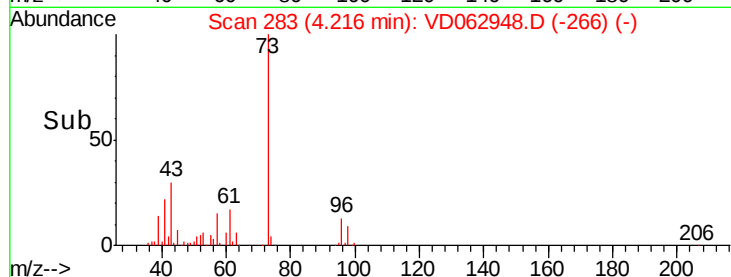
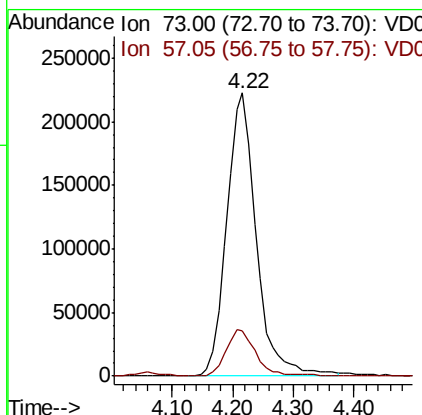
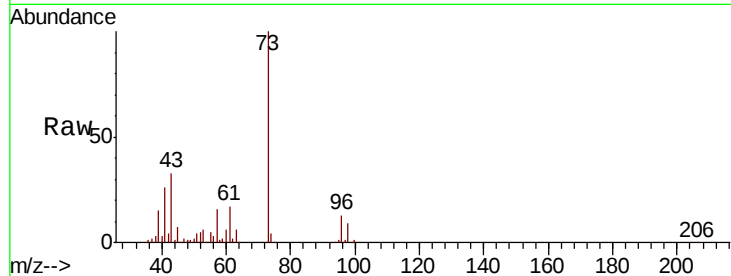




#19
Methyl tert-butyl Ether
Concen: 58.857 ug/l
RT: 4.22 min Scan# 283
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

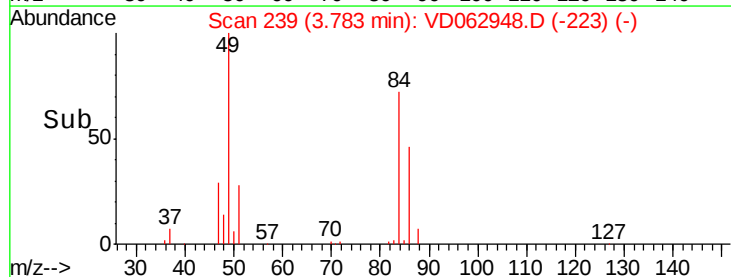
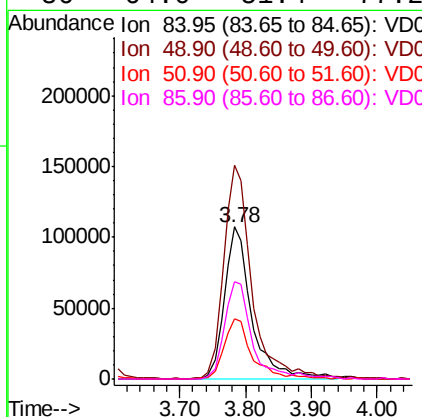
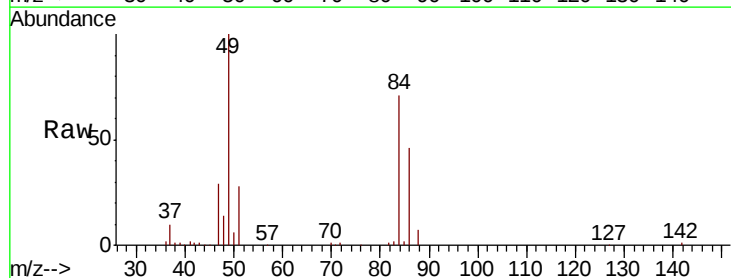
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 756282
Ion Ratio Lower Upper
73 100
57 16.2 14.3 21.5



#20
Methylene Chloride
Concen: 50.217 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion: 84 Resp: 311343
Ion Ratio Lower Upper
84 100
49 140.5 102.9 154.3
51 39.7 31.2 46.8
86 64.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.682 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampled :

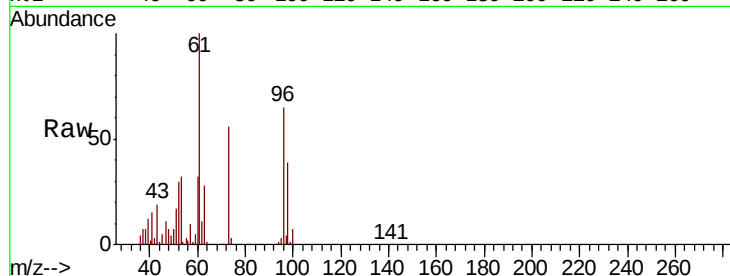
Tot Ion: 96 Resp: 313994

Ion Ratio Lower Upper

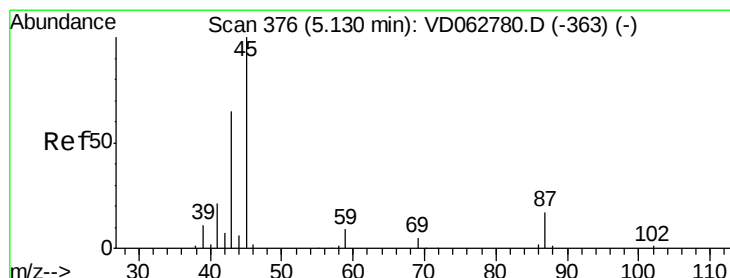
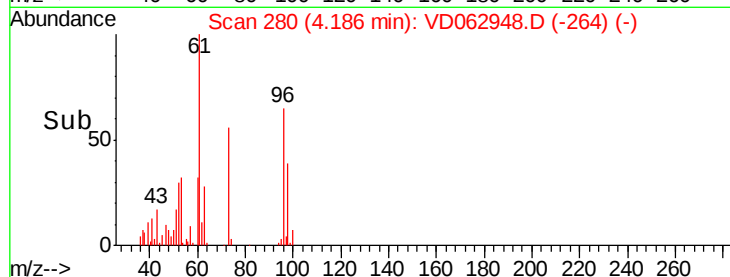
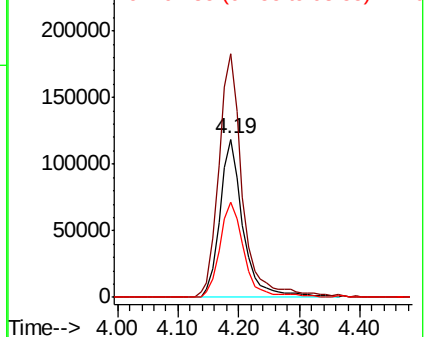
96 100

61 154.1 131.0 196.4

98 60.3 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: 54.184 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Tgt Ion: 45 Resp: 966433

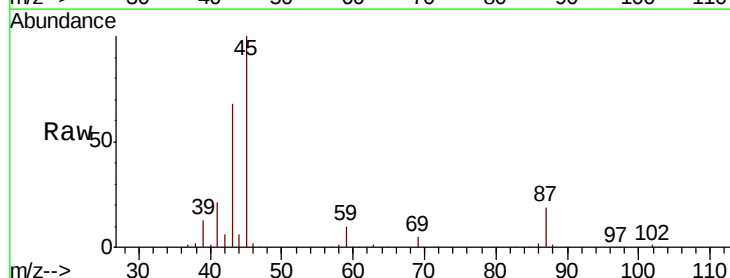
Ion Ratio Lower Upper

45 100

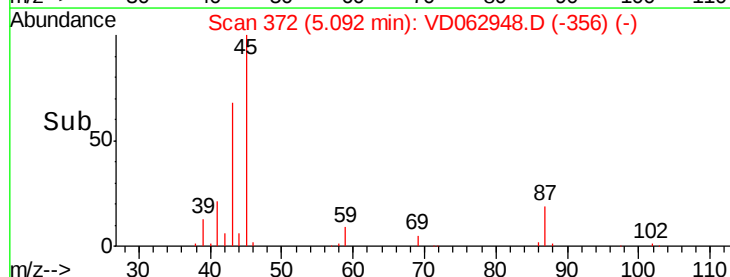
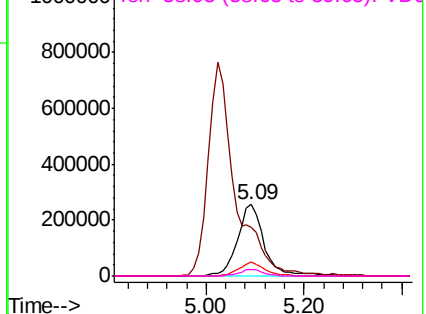
43 68.4 53.4 80.0

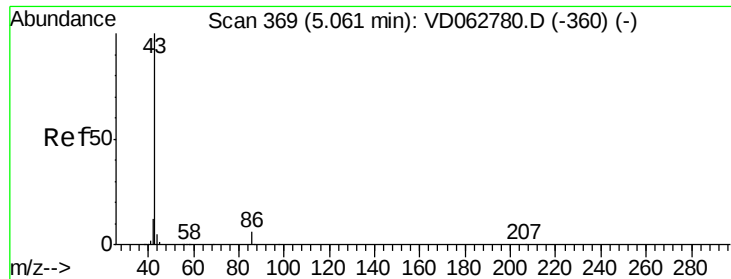
87 19.4 14.6 22.0

59 9.6 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: 263.641 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

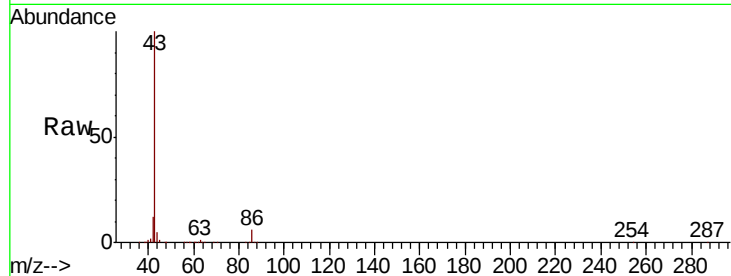
ClientSampleId :

Tot Ion: 43 Resp: 2942468

Ion Ratio Lower Upper

43 100

86 5.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

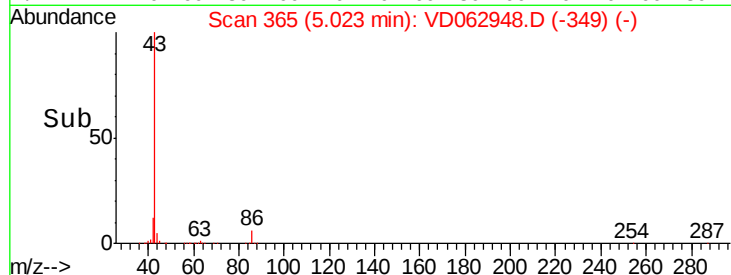
600000

400000

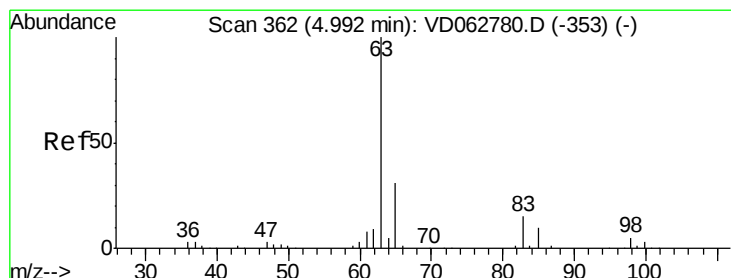
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 50.301 ug/l

RT: 4.94 min Scan# 357

Delta R.T. -0.05 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

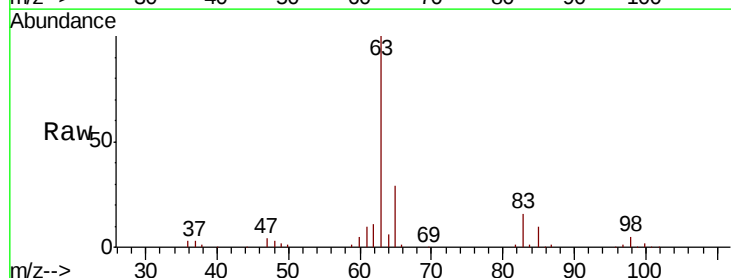
Tgt Ion: 63 Resp: 584137

Ion Ratio Lower Upper

63 100

98 4.9 2.3 6.9

100 2.8 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

200000

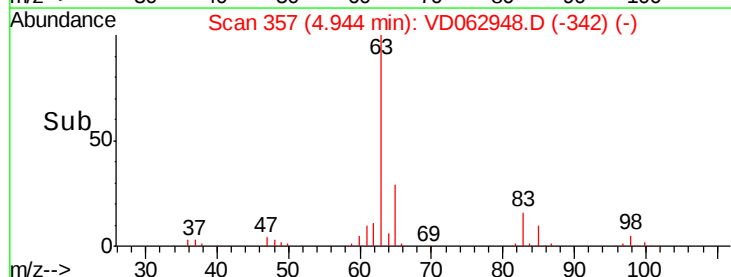
150000

100000

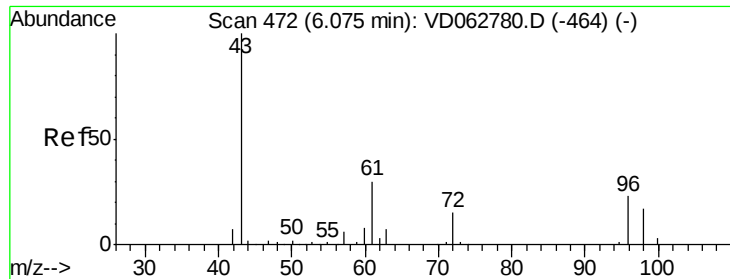
50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 296.293 ug/l

RT: 6.05 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

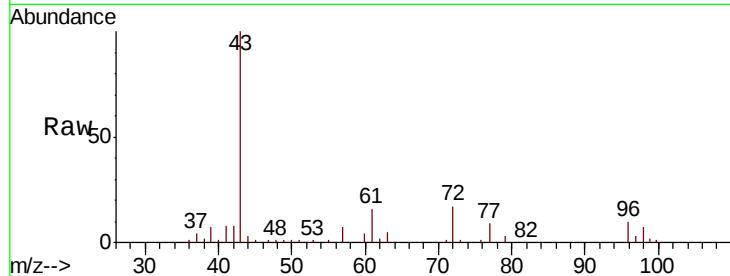
ClientSampled :

Tot Ion: 43 Resp: 450508

Ion Ratio Lower Upper

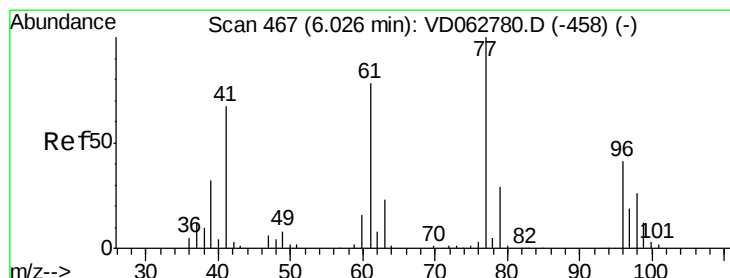
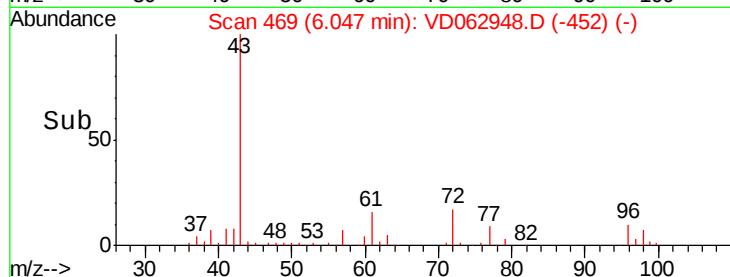
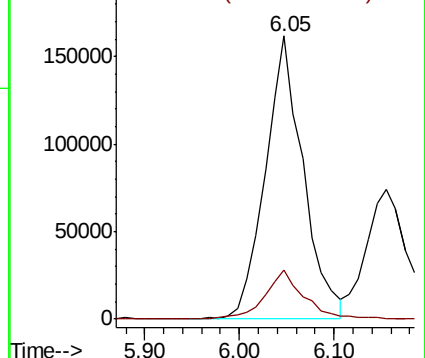
43 100

72 17.2 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: 45.249 ug/l

RT: 6.00 min Scan# 464

Delta R.T. -0.03 min

Lab File: VD062948.D

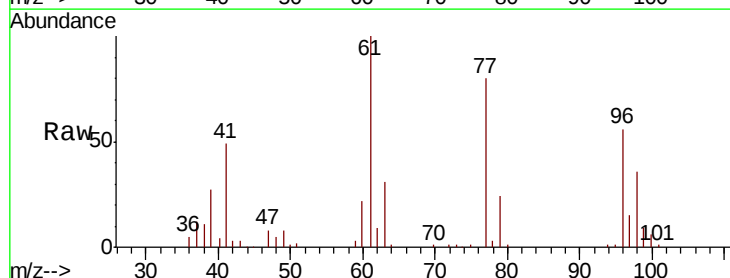
Acq: 27 Jun 2019 23:44

Tgt Ion: 77 Resp: 556972

Ion Ratio Lower Upper

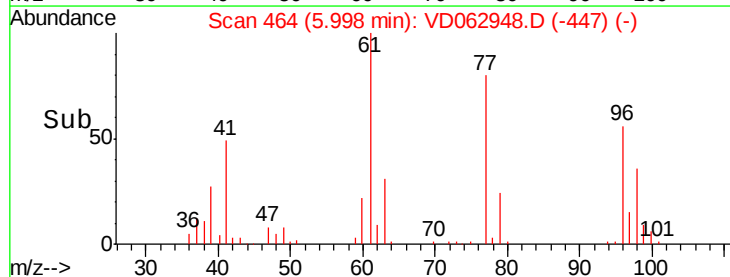
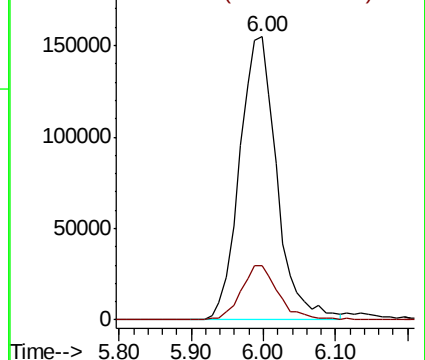
77 100

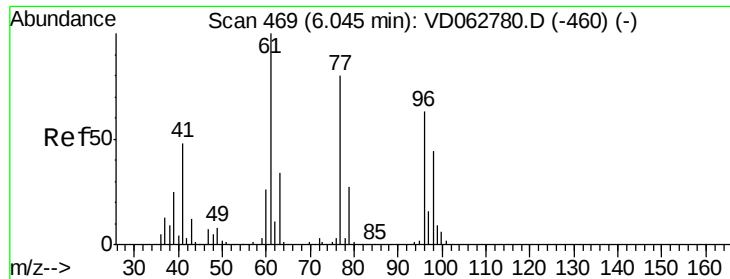
97 19.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



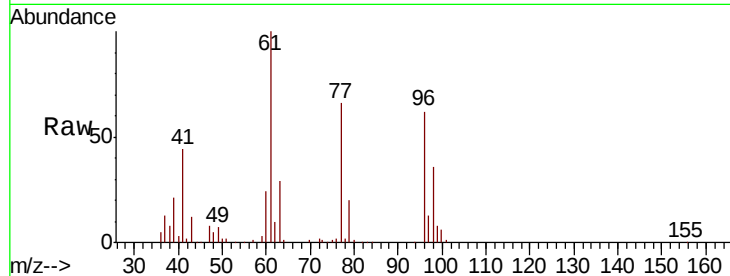


#27

cis-1,2-Dichloroethene
 Concen: 50.288 ug/l
 RT: 6.01 min Scan# 465
 Delta R.T. -0.04 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	336100
Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	316.0
98	58.5	0.0	138.4

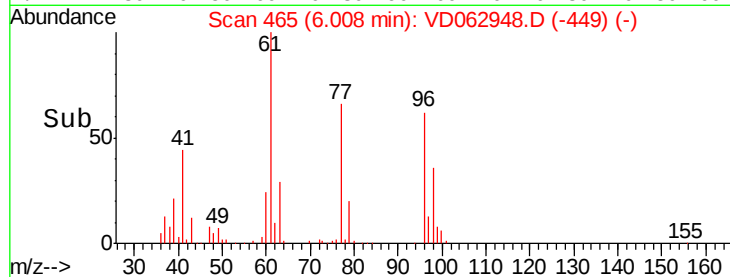
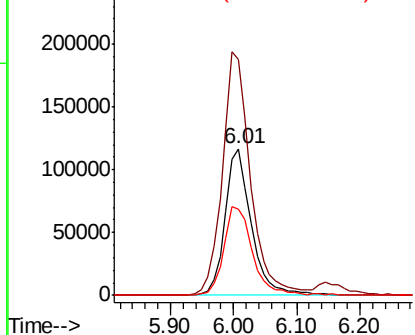


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

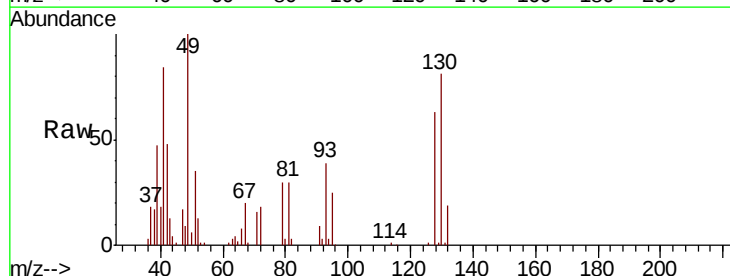
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
 Concen: 54.360 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. -0.04 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion	49	Resp	222333
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	5.6
130	81.2	76.6	114.8

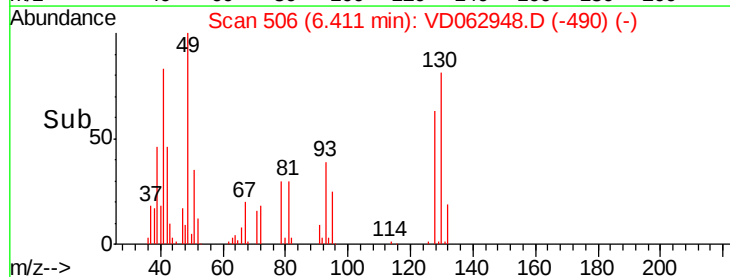
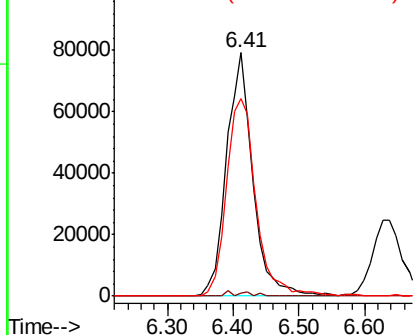


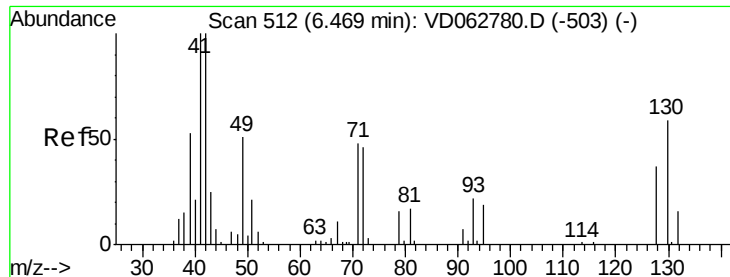
Abundance

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: 291.413 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

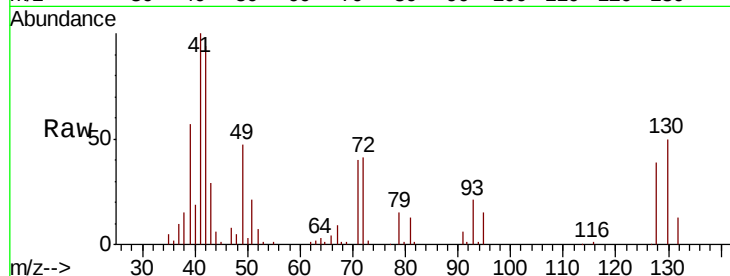
Tot Ion: 42 Resp: 209642

Ion Ratio Lower Upper

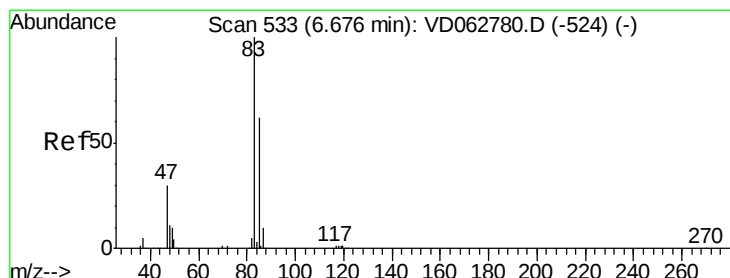
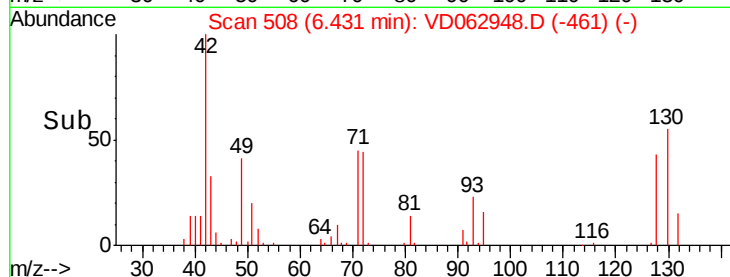
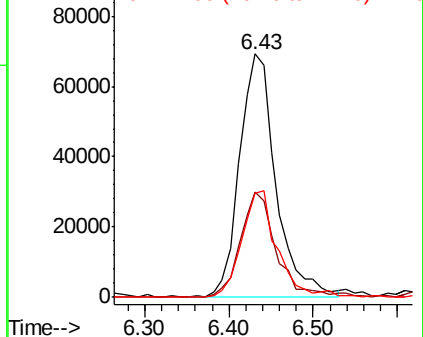
42 100

72 42.6 35.0 52.6

71 42.7 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: 56.241 ug/l

RT: 6.64 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062948.D

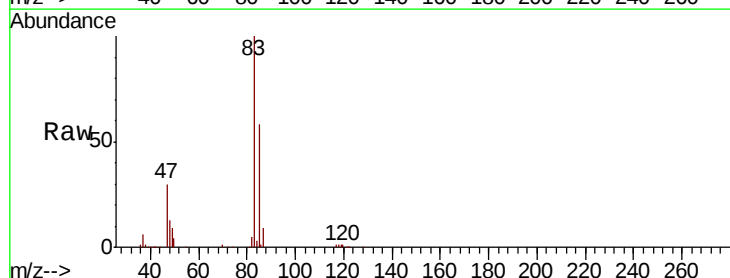
Acq: 27 Jun 2019 23:44

Tgt Ion: 83 Resp: 794285

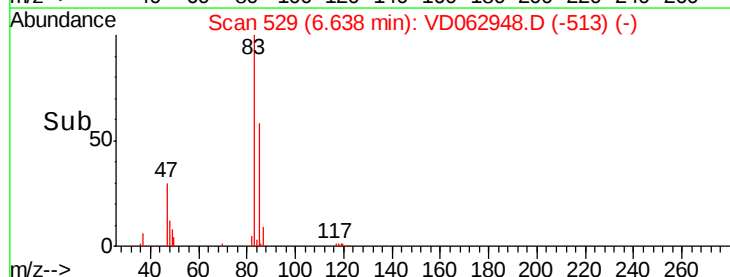
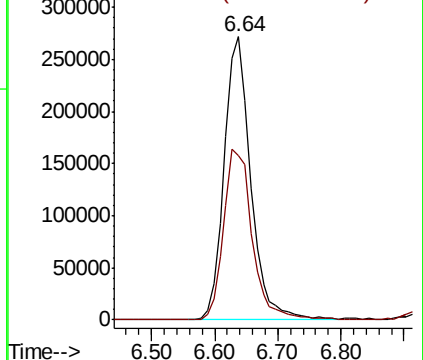
Ion Ratio Lower Upper

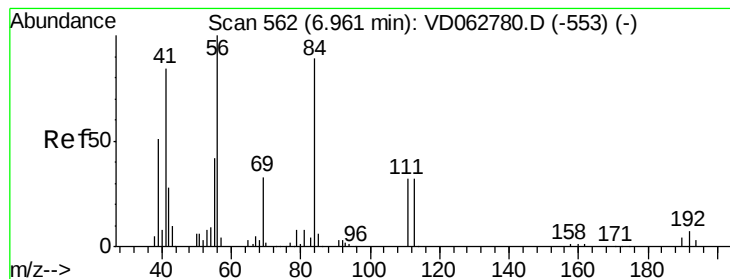
83 100

85 57.9 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: 44.216 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.05 min

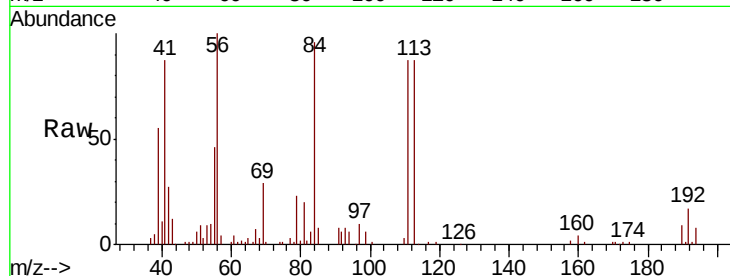
Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 337558

Ion	Ratio	Lower	Upper
56	100		
69	29.1	26.6	39.8
84	95.9	75.5	113.3



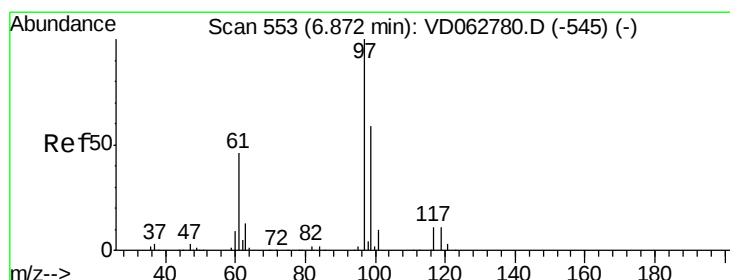
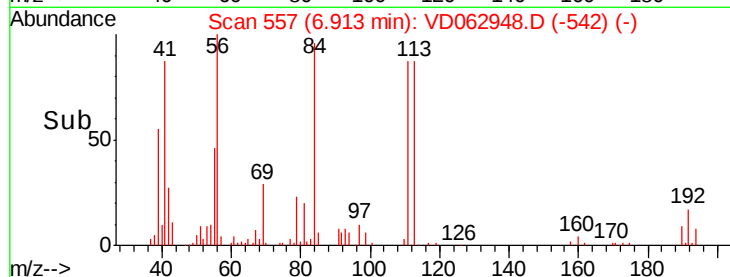
Abundance

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

Time-->



#32

1,1,1-Trichloroethane

Concen: 53.514 ug/l

RT: 6.84 min Scan# 550

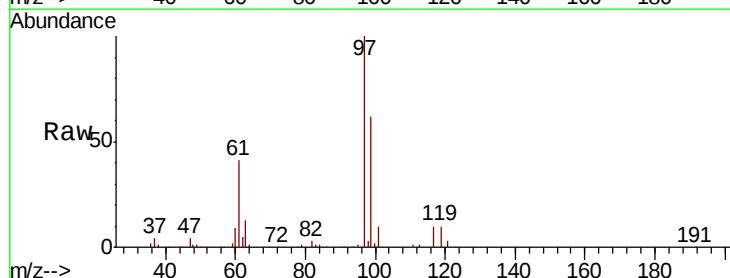
Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Tgt Ion: 97 Resp: 787192

Ion	Ratio	Lower	Upper
97	100		
99	61.8	47.4	71.2
61	40.5	37.2	55.8



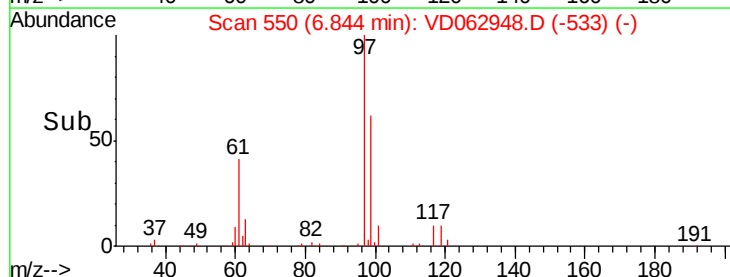
Abundance

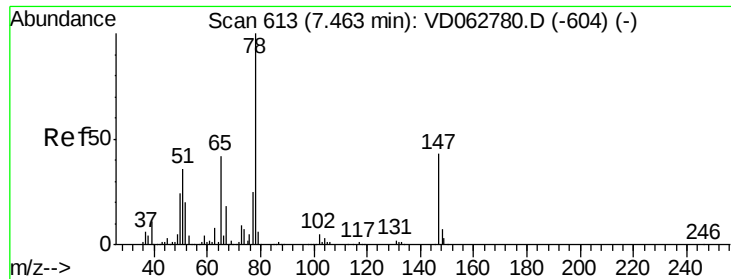
Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.241 ug/l

RT: 7.43 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

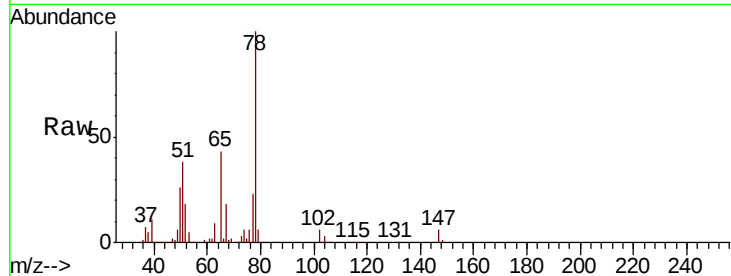
ClientSampleId :

Tot Ion: 65 Resp: 432832

Ion Ratio Lower Upper

65 100

67 42.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

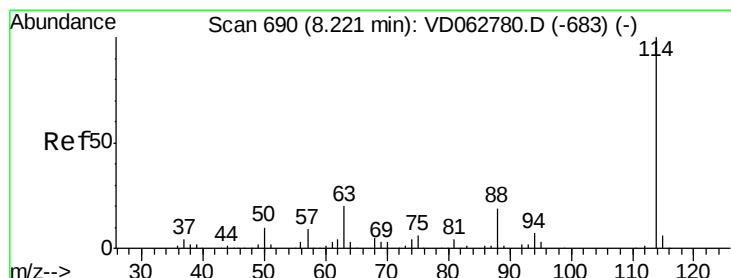
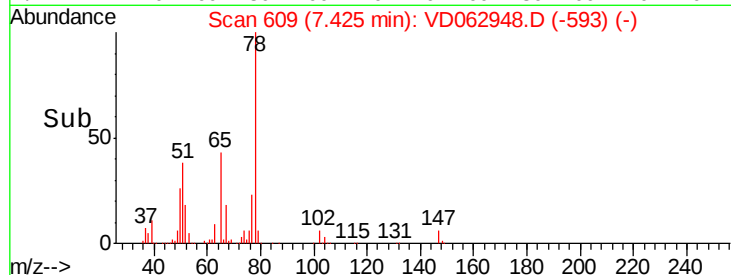
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

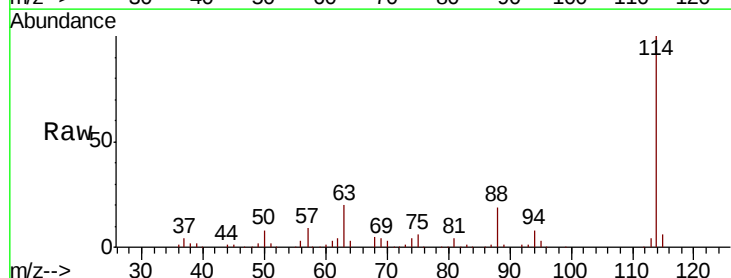
Tgt Ion: 114 Resp: 957003

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 19.0 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

500000

400000

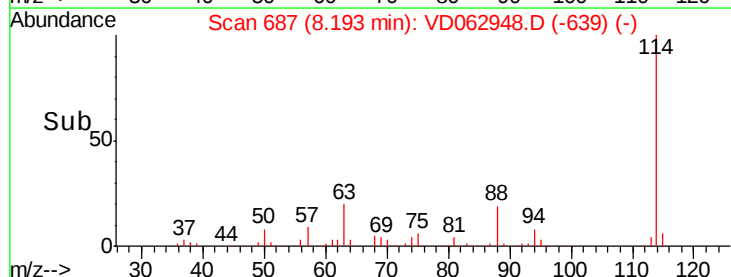
300000

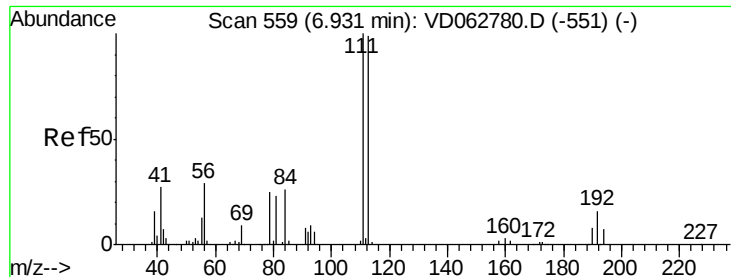
200000

100000

0

Time-->

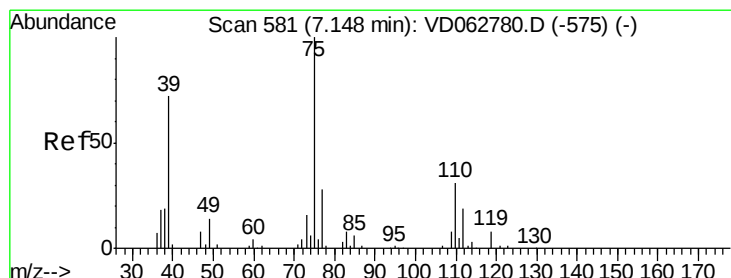
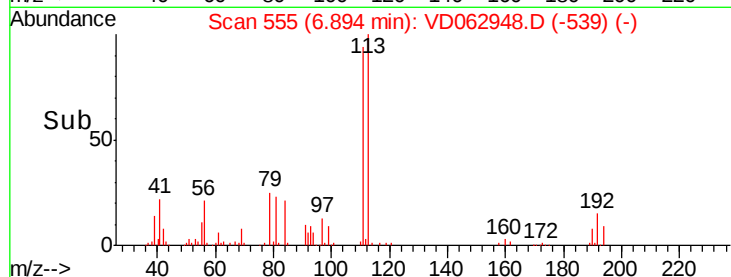
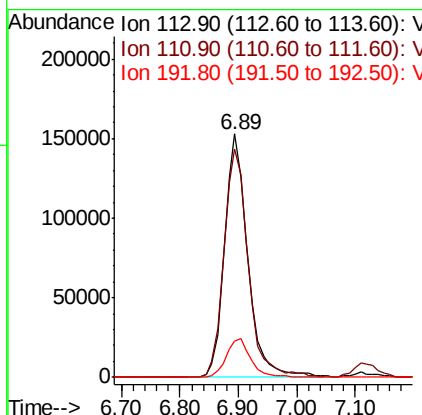
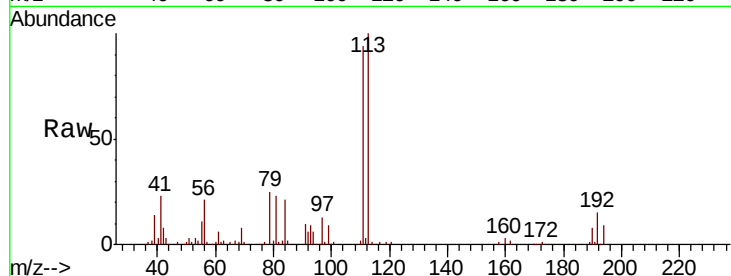




#35
 Dibromofluoromethane
 Concen: 52.452 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

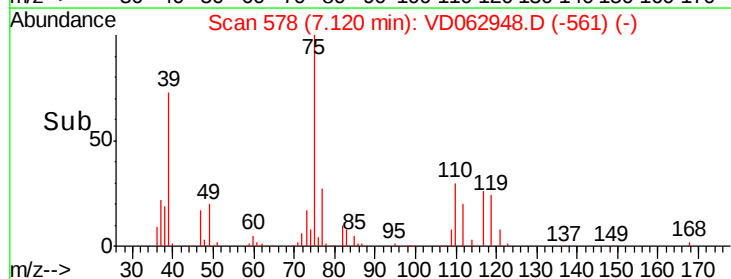
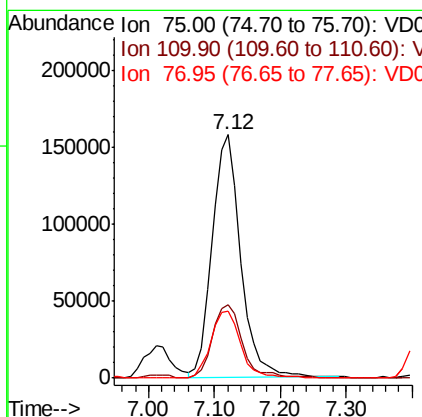
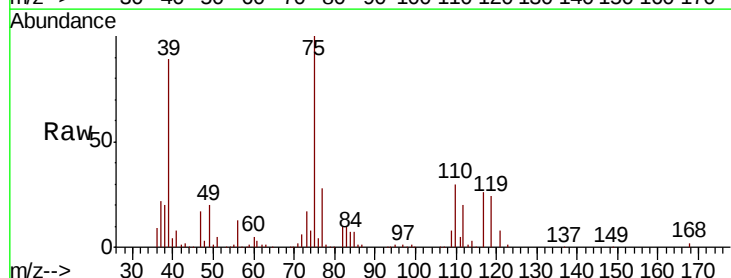
Instrument :
 MSVOA_D
 ClientSampleId :

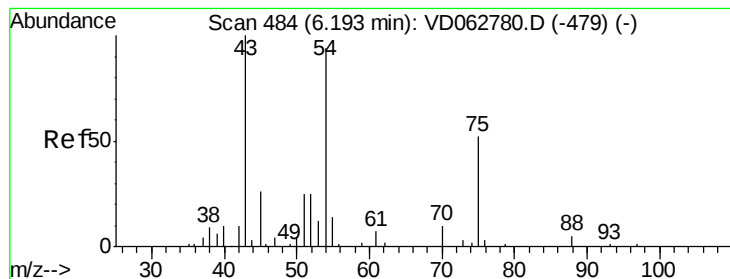
Tot Ion	Ratio	Lower	Upper
113	100		
111	93.5	81.2	121.8
192	15.1	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 51.818 ug/l
 RT: 7.12 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.1	15.0	45.1
77	27.6	22.2	33.2





#37

Ethyl Acetate

Concen: 60.213 ug/l

RT: 6.16 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampled :

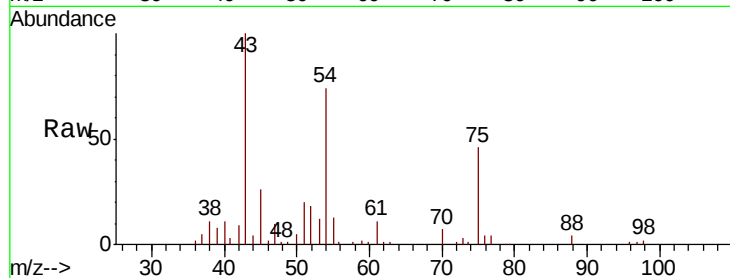
Tot Ion: 43 Resp: 228289

Ion Ratio Lower Upper

43 100

61 11.3 11.6 17.4#

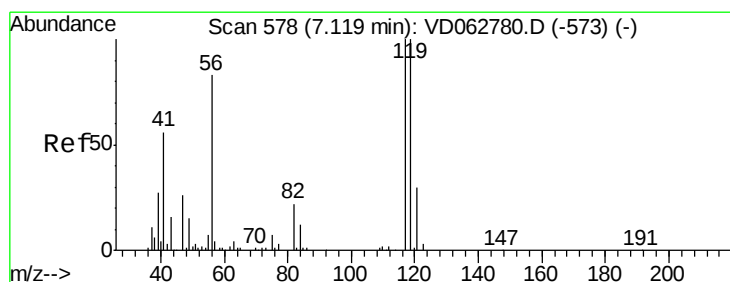
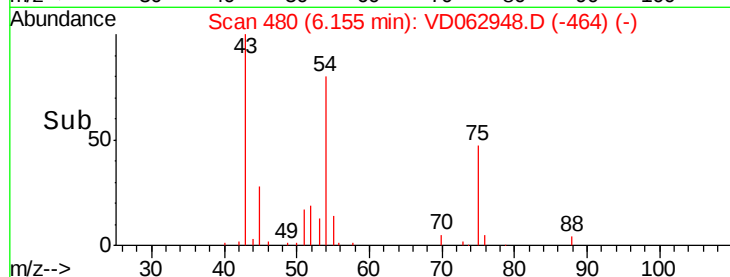
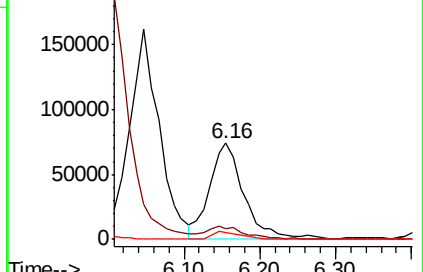
70 7.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-479) (-)

Ion 60.95 (60.65 to 61.65): VD062780.D (-479) (-)

Ion 70.00 (69.70 to 70.70): VD062780.D (-479) (-)



#38

Carbon Tetrachloride

Concen: 61.879 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

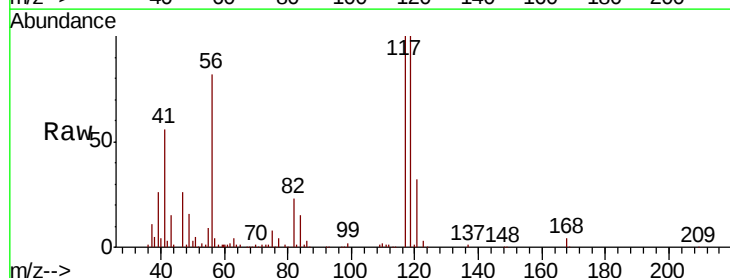
Tgt Ion: 117 Resp: 843095

Ion Ratio Lower Upper

117 100

119 100.4 75.4 113.2

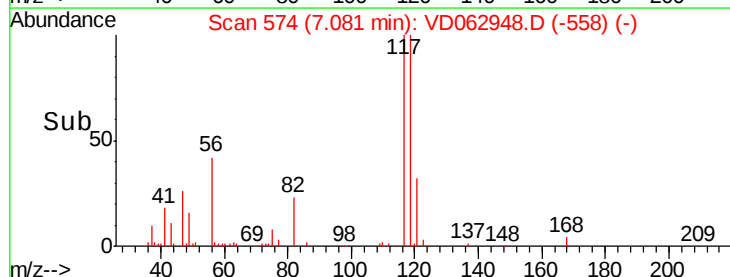
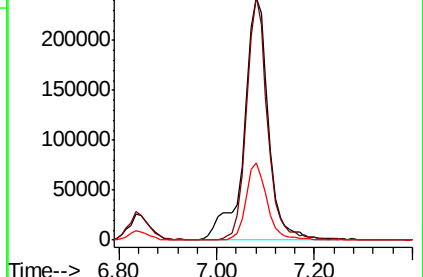
121 31.7 22.3 33.5

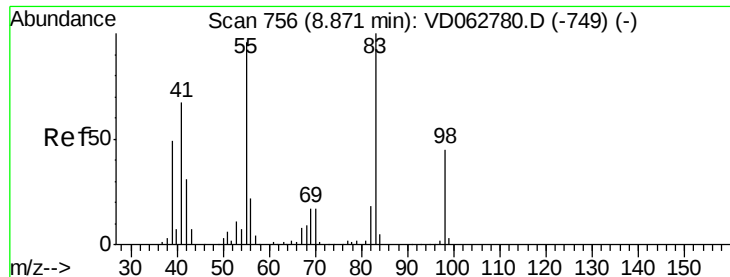


Abundance Ion 116.85 (116.55 to 117.55): VD062780.D (-573) (-)

Ion 118.85 (118.55 to 119.55): VD062780.D (-573) (-)

Ion 120.85 (120.55 to 121.55): VD062780.D (-573) (-)

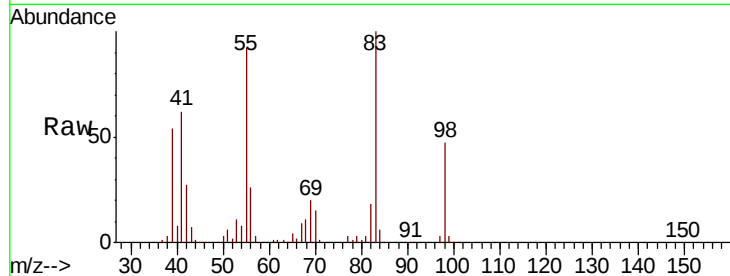




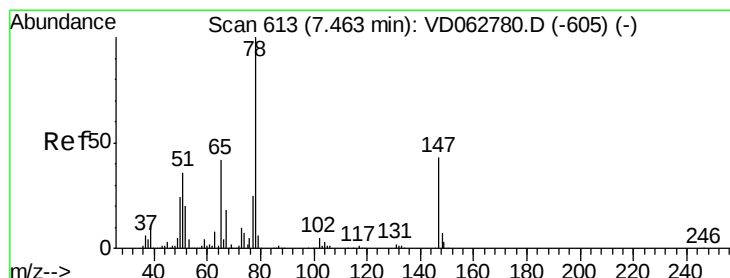
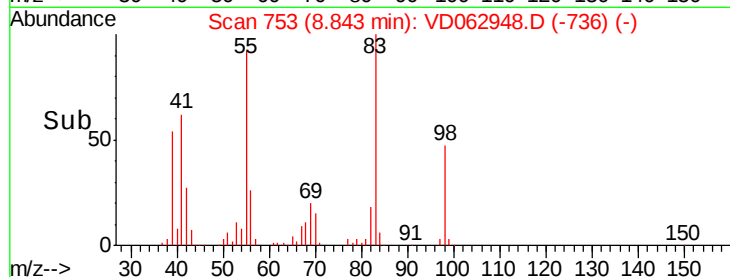
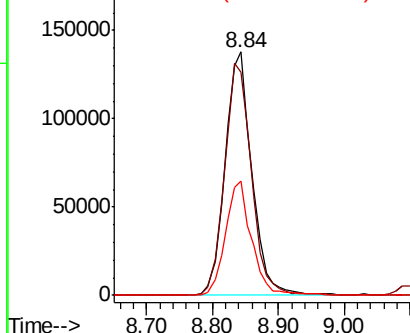
#39
Methvlcvclohexane
Concen: 49.041 ug/l
RT: 8.84 min Scan# 753
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 391073
Ion Ratio Lower Upper
83 100
55 91.5 76.6 115.0
98 46.7 35.7 53.5

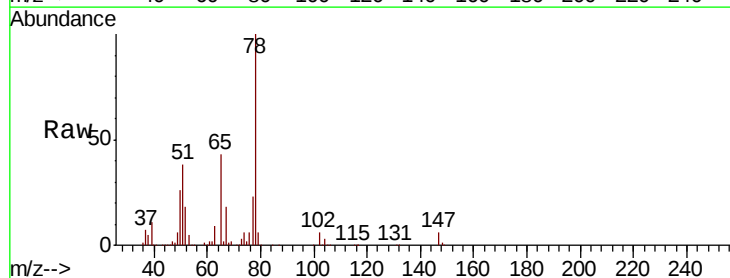


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

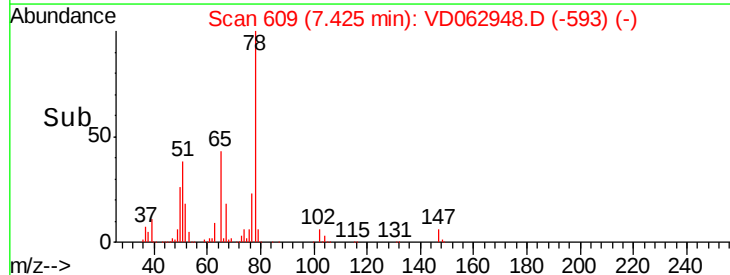
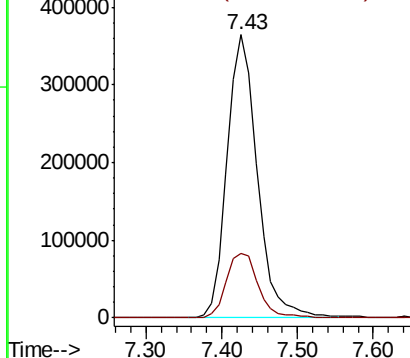


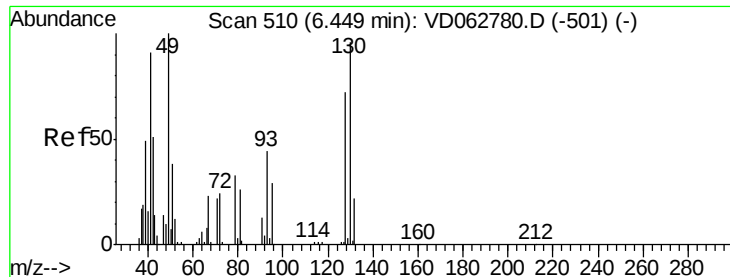
#40
Benzene
Concen: 55.309 ug/l
RT: 7.43 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion: 78 Resp: 1005800
Ion Ratio Lower Upper
78 100
77 22.8 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

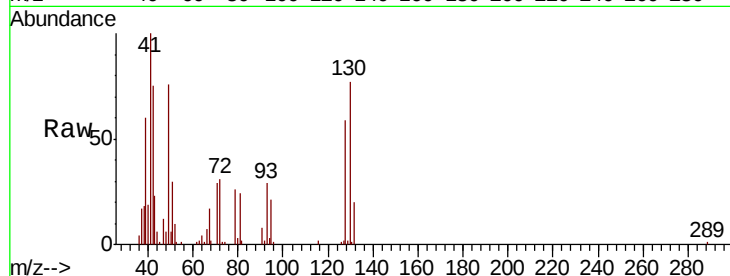




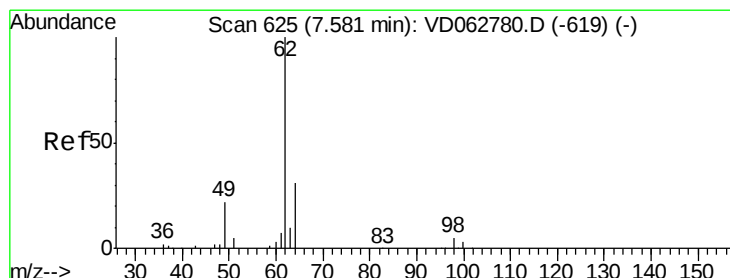
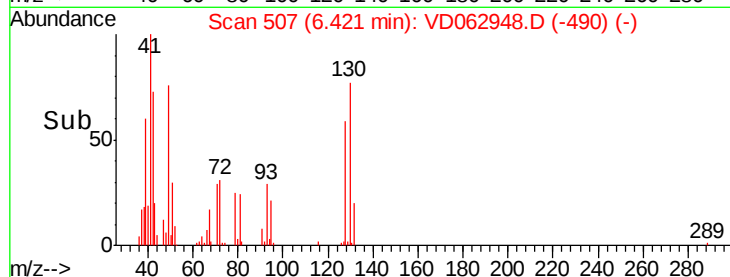
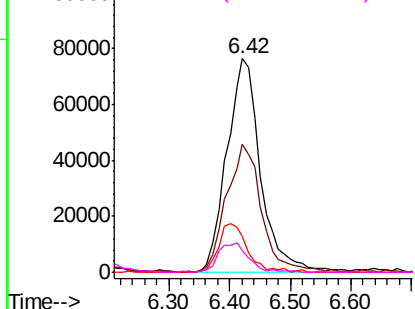
#41
Methacrylonitrile
Concen: 61.842 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:	41	Resp:	295454
Ion	Ratio	Lower	Upper
41	100		
39	60.2	43.2	64.8
67	16.7	19.9	29.9#
52	10.2	10.2	15.4

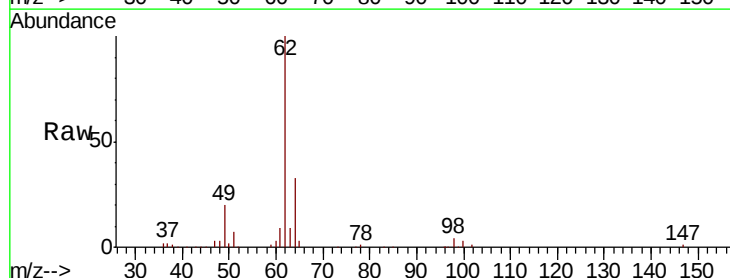


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

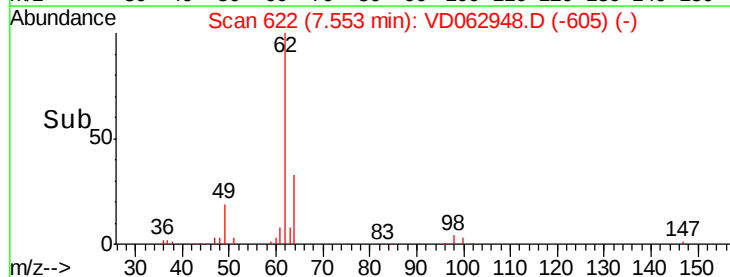
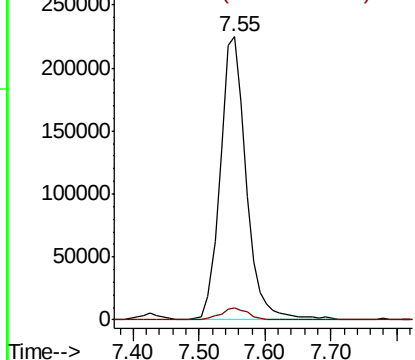


#42
1,2-Dichloroethane
Concen: 62.425 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion:	62	Resp:	619278
Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	10.0



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





#43

Isopropyl Acetate

Concen: 63.073 ug/l

RT: 9.22 min Scan# 791

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

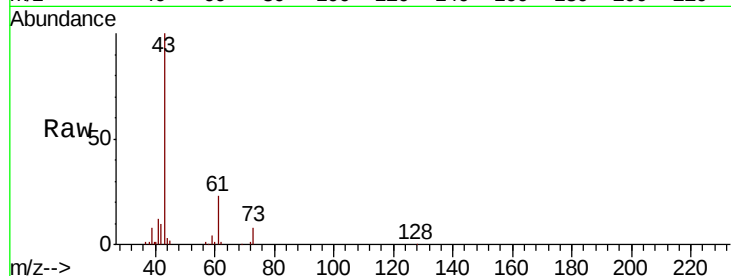
Tot Ion: 43 Resp: 299568

Ion Ratio Lower Upper

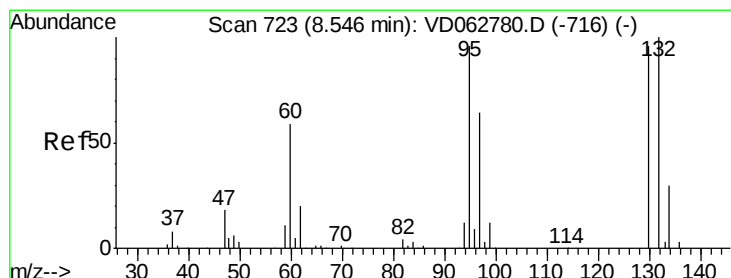
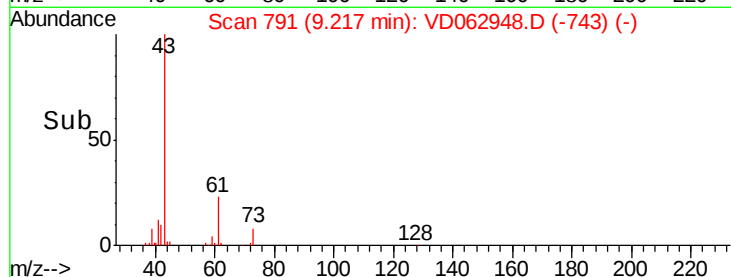
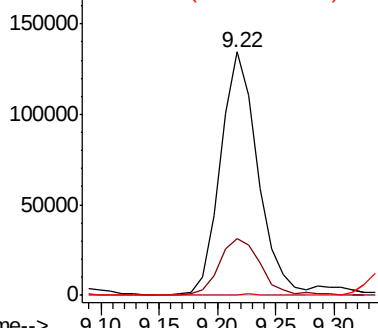
43 100

61 23.2 22.4 33.6

87 0.0 0.3 0.5#



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



#44

Trichloroethene

Concen: 57.225 ug/l

RT: 8.52 min Scan# 720

Delta R.T. -0.03 min

Lab File: VD062948.D

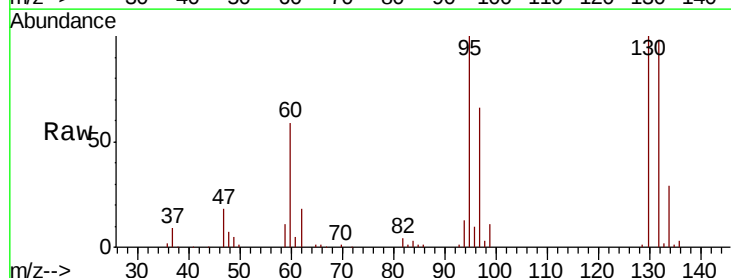
Acq: 27 Jun 2019 23:44

Tgt Ion:130 Resp: 407977

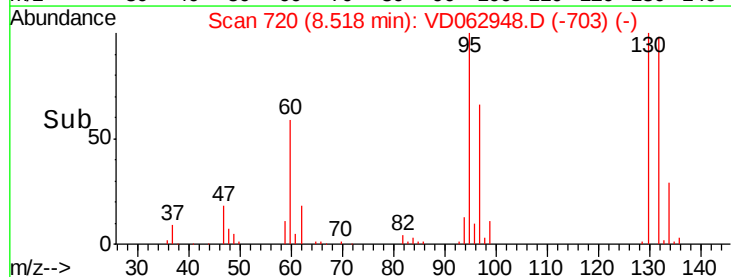
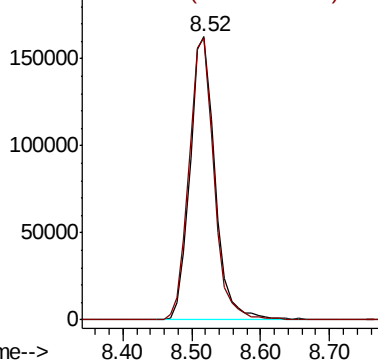
Ion Ratio Lower Upper

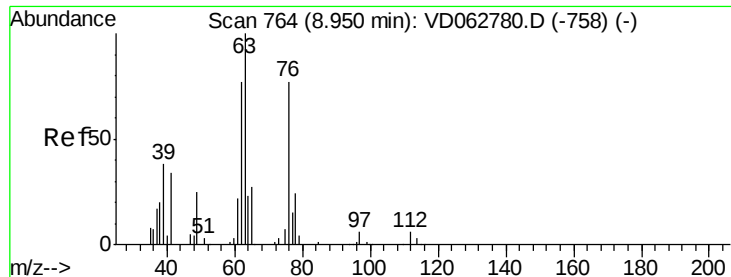
130 100

95 99.5 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: 52.587 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.04 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

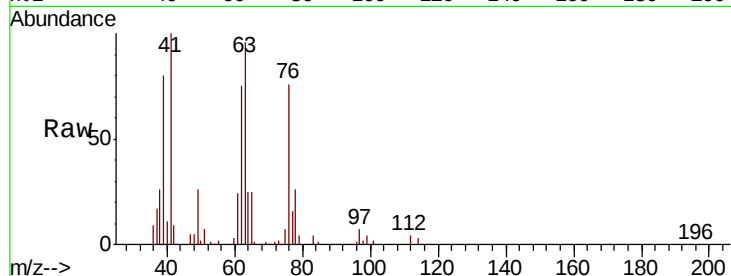
ClientSampleId :

Tot Ion: 63 Resp: 237789

Ion Ratio Lower Upper

63 100

65 26.3 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.91

100000

80000

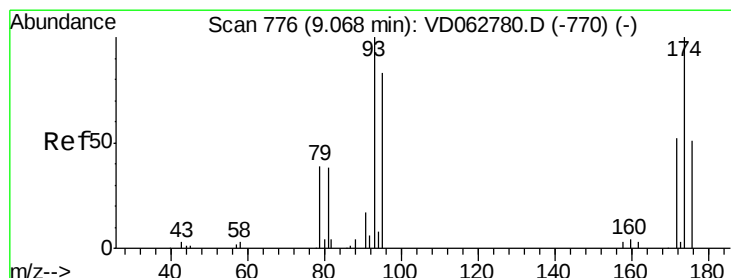
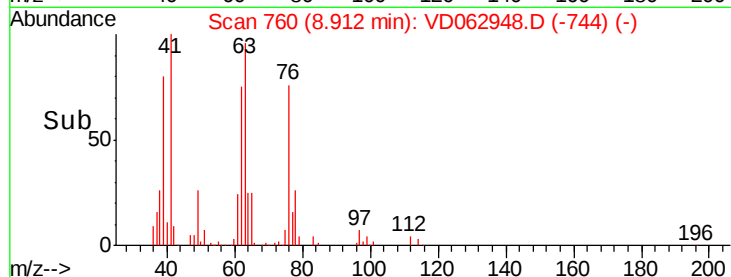
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 57.981 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

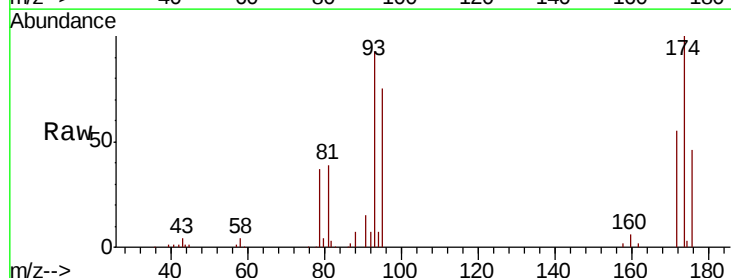
Tgt Ion: 93 Resp: 225215

Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

174 107.7 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

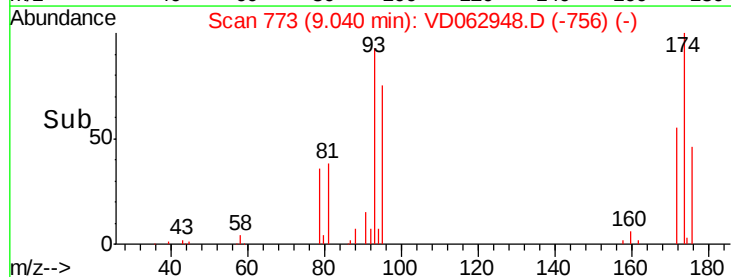
Ion 173.80 (173.50 to 174.50): V

100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 60.189 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

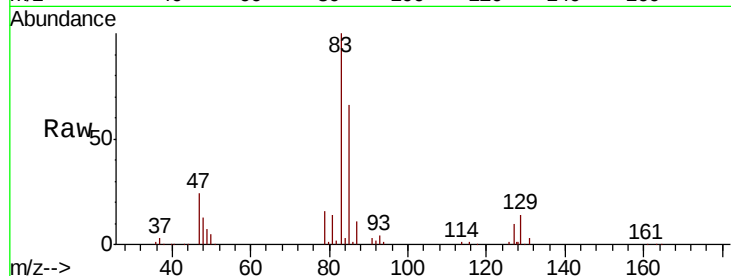
Tot Ion: 83 Resp: 607181

Ion Ratio Lower Upper

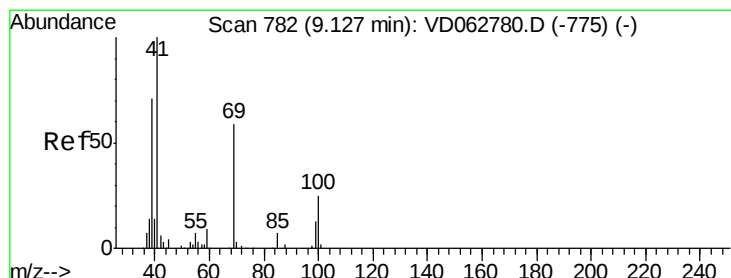
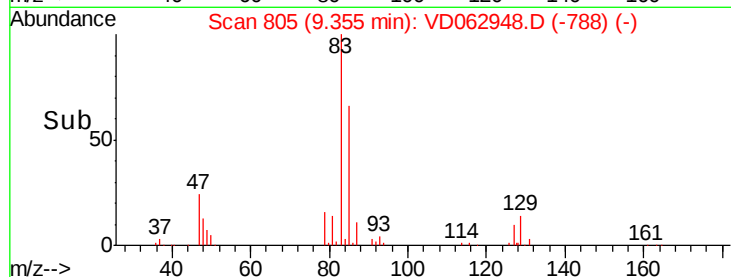
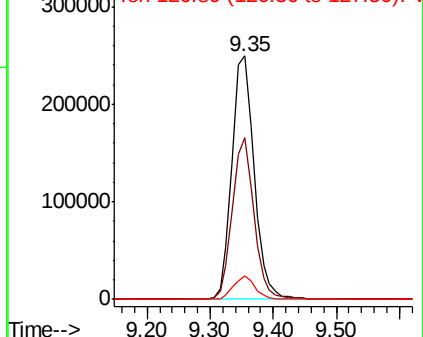
83 100

85 66.2 51.6 77.4

127 9.9 7.8 11.6



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



#48

Methyl methacrylate

Concen: 61.998 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

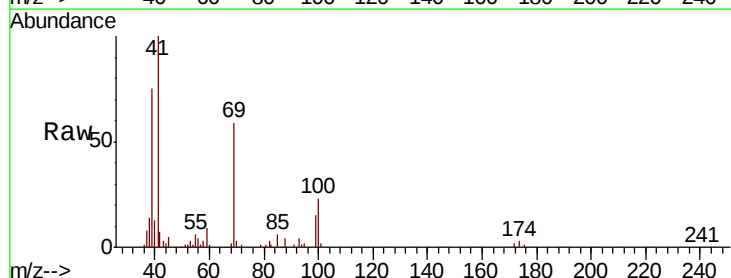
Tgt Ion: 41 Resp: 209252

Ion Ratio Lower Upper

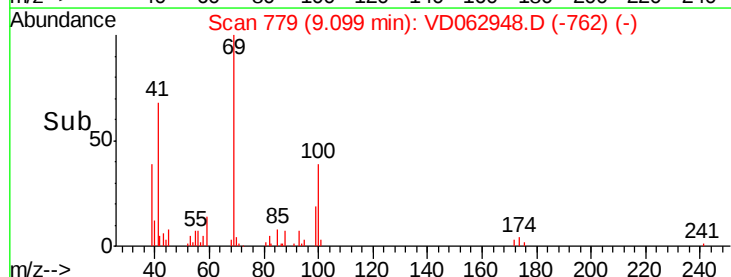
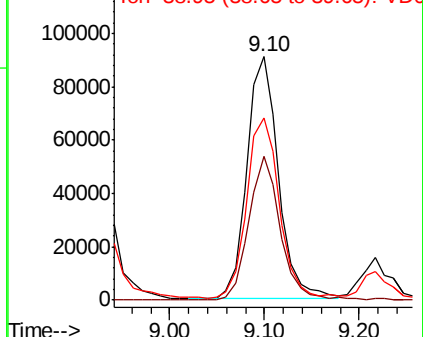
41 100

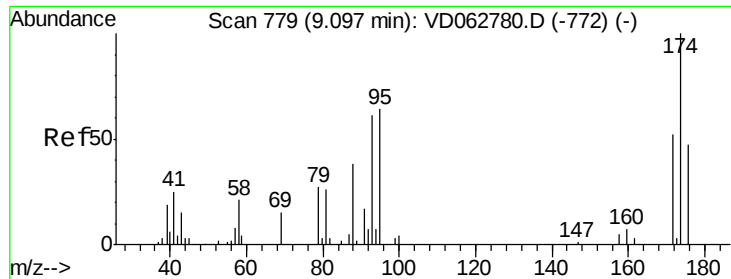
69 59.0 47.2 70.8

39 74.6 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

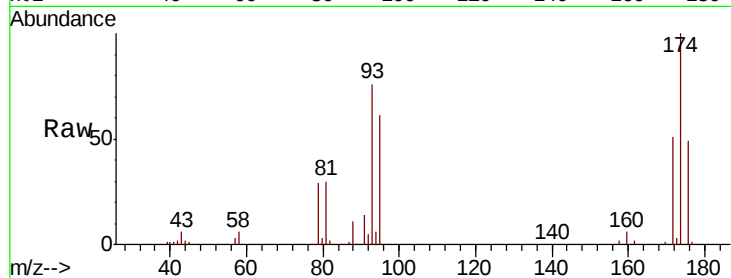




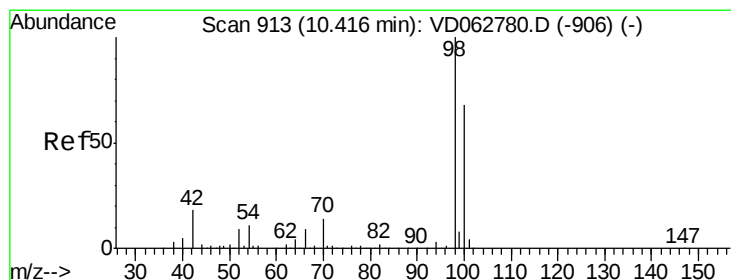
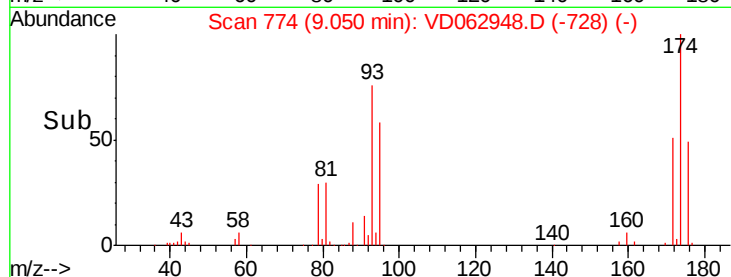
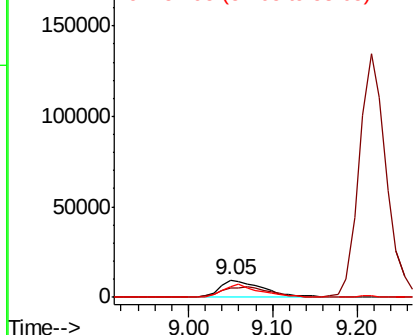
#49
1,4-Dioxane
Concen: 1233.433 ug/l
RT: 9.05 min Scan# 774
Delta R.T. -0.05 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 34635
Ion Ratio Lower Upper
88 100
43 53.0 32.1 48.1#
58 60.5 44.1 66.1

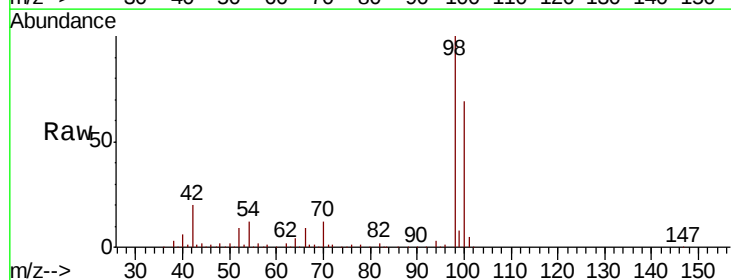


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

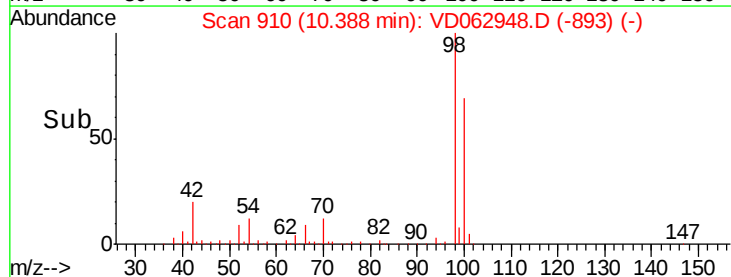
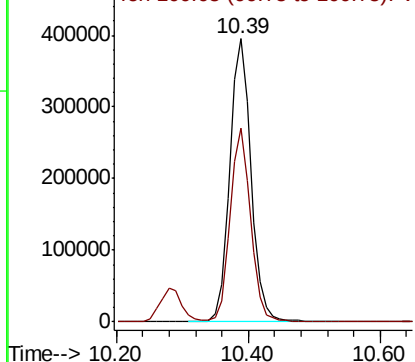


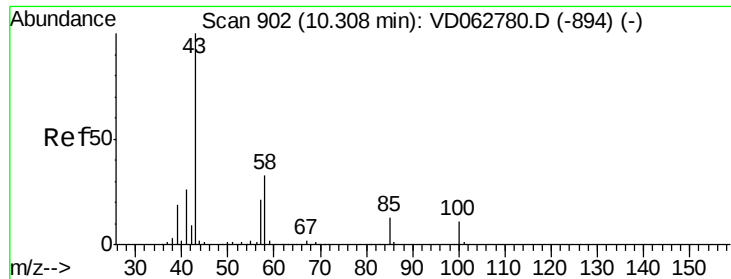
#50
Toluene-d8
Concen: 51.076 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion: 98 Resp: 897036
Ion Ratio Lower Upper
98 100
100 68.6 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: 315.085 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

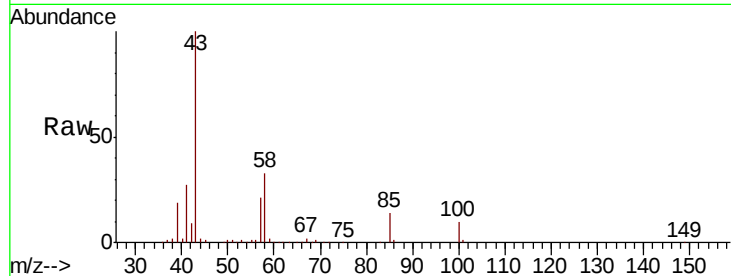
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1061013

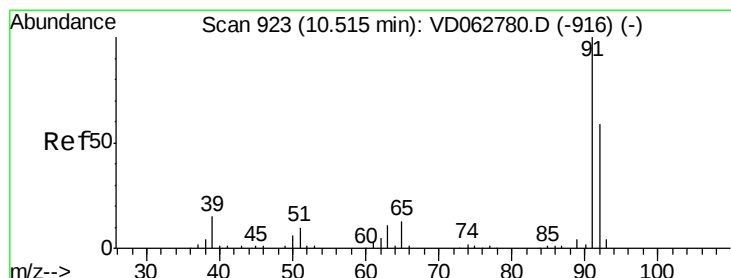
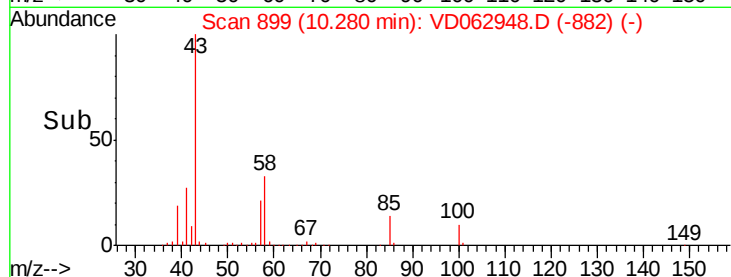
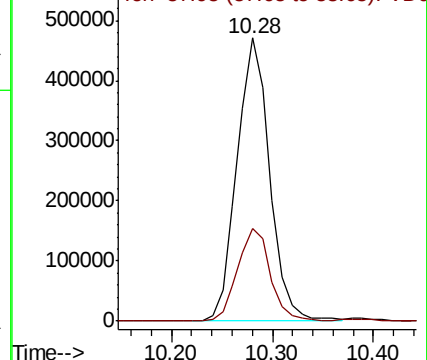
Ion Ratio Lower Upper

43 100

58 32.9 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: 56.973 ug/l

RT: 10.49 min Scan# 920

Delta R.T. -0.03 min

Lab File: VD062948.D

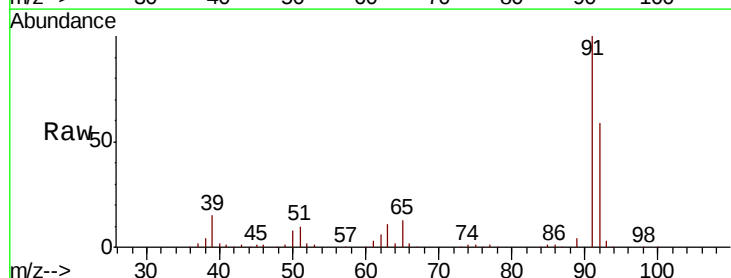
Acq: 27 Jun 2019 23:44

Tgt Ion: 92 Resp: 696437

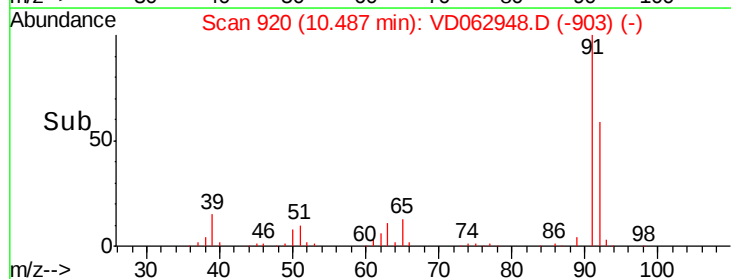
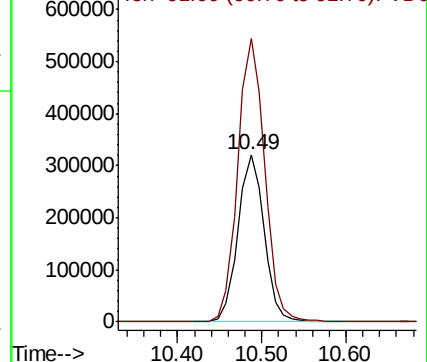
Ion Ratio Lower Upper

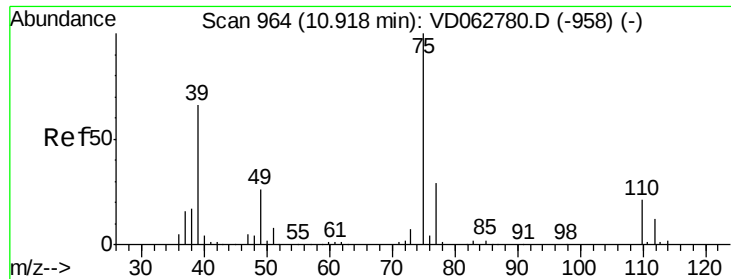
92 100

91 169.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

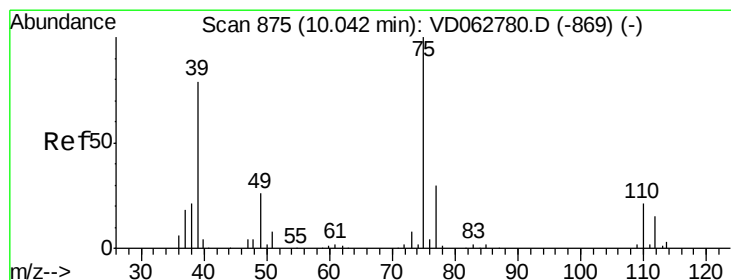
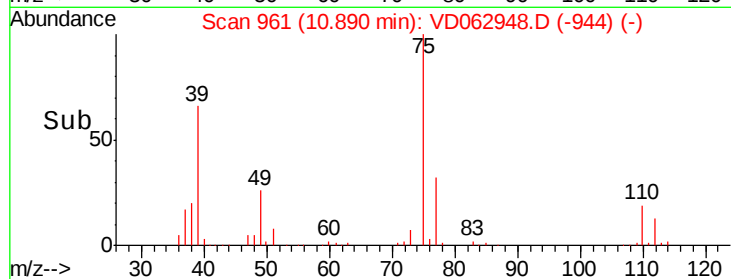
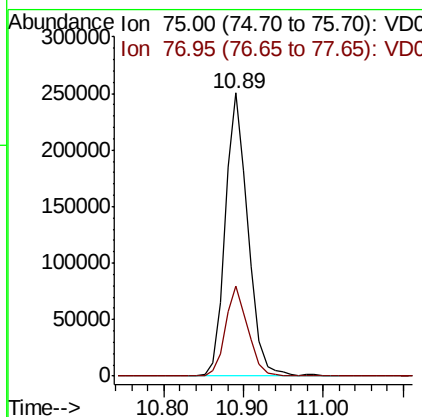
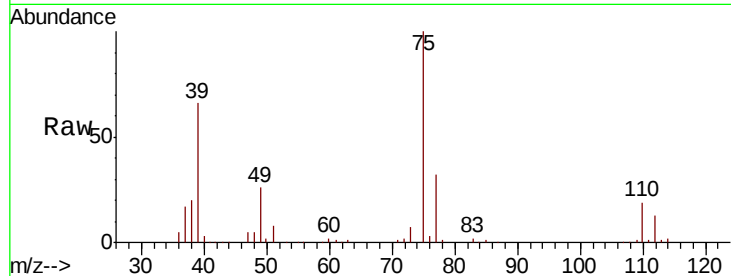




#53
 t-1,3-Dichloropropene
 Concen: 60.466 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

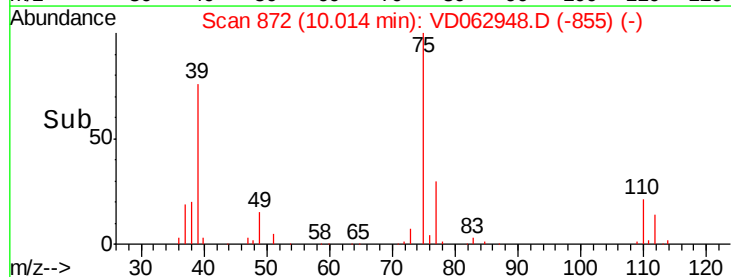
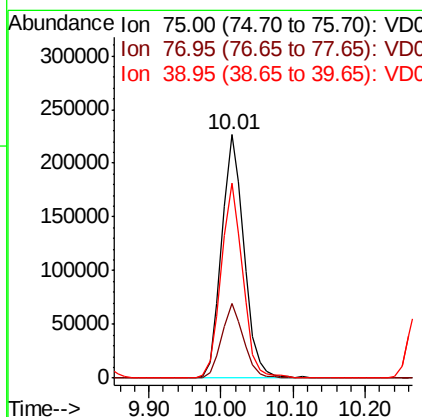
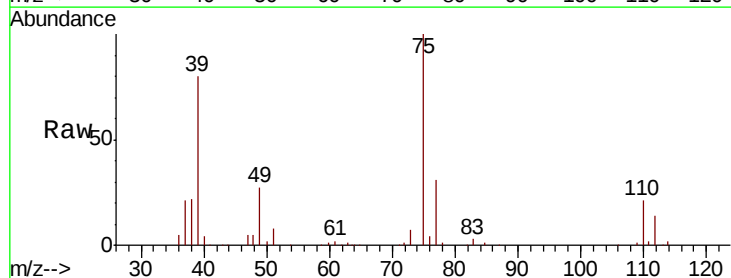
Instrument :
 MSVOA_D
 ClientSampleId :

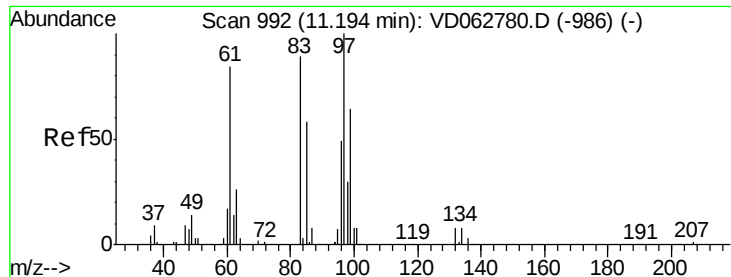
Tot Ion: 75 Resp: 499257
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 54.293 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion: 75 Resp: 487249
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.2 36.2
 39 80.2 63.5 95.3

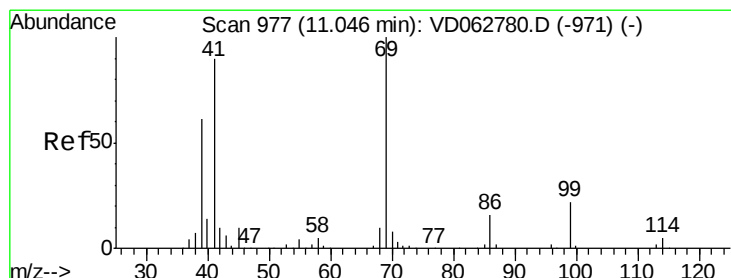
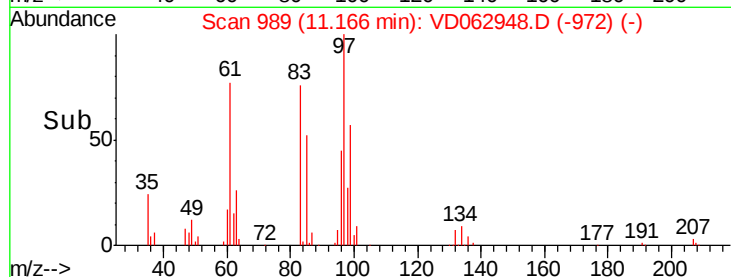
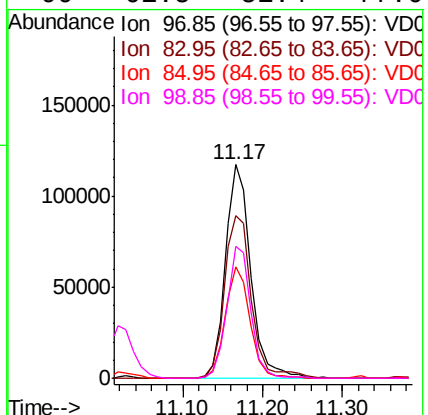
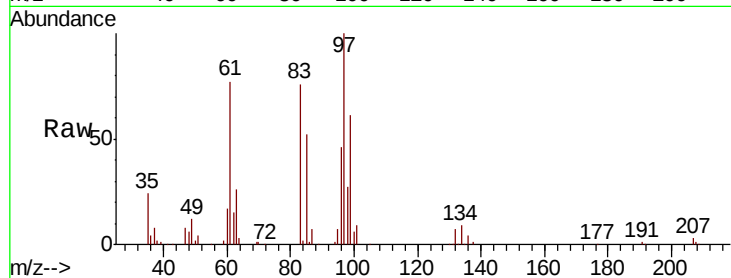




#55
 1,1,2-Trichloroethane
 Concen: 62.446 ug/l
 RT: 11.17 min Scan# 989
 Delta R.T. -0.03 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

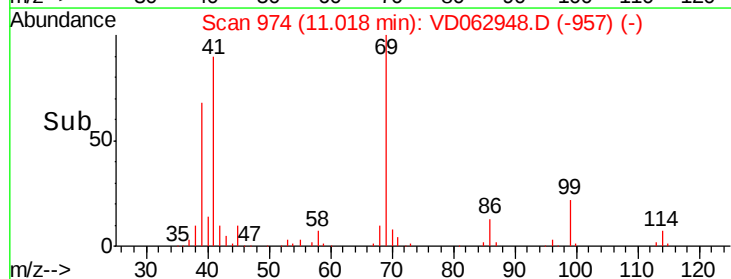
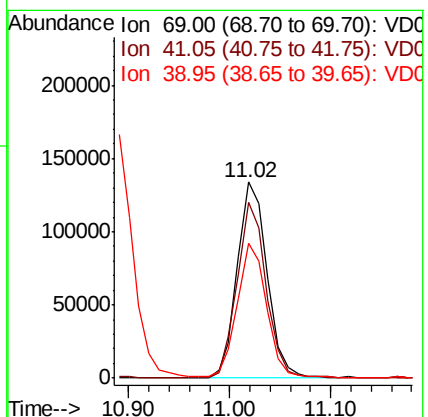
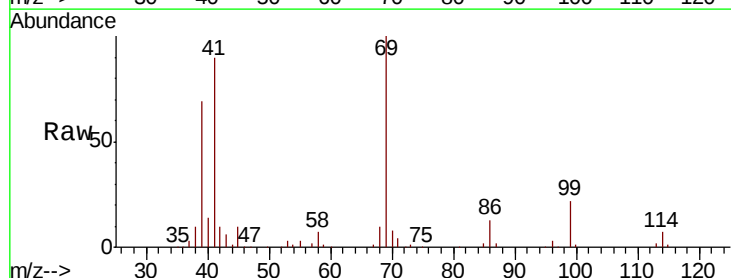
Instrument :
 MSVOA_D
 ClientSampleId :

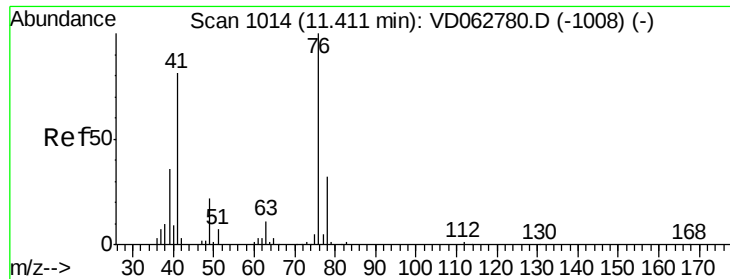
Tot Ion: 97 Resp: 262254
 Ion Ratio Lower Upper
 97 100
 83 76.2 71.0 106.4
 85 52.0 46.6 69.8
 99 61.5 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 61.734 ug/l
 RT: 11.02 min Scan# 974
 Delta R.T. -0.03 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion: 69 Resp: 277073
 Ion Ratio Lower Upper
 69 100
 41 90.0 72.0 108.0
 39 69.0 49.5 74.3





#57

1,3-Dichloropropane

Concen: 59.794 ug/l

RT: 11.38 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

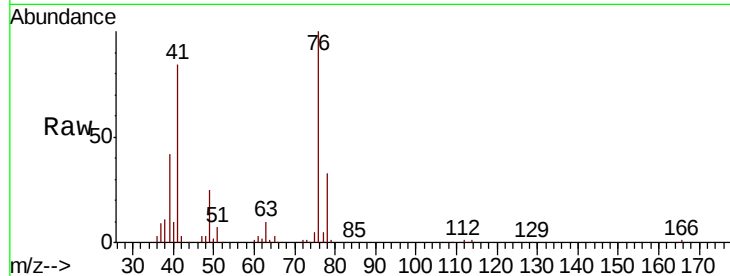
ClientSampleId :

Tot Ion: 76 Resp: 384498

Ion Ratio Lower Upper

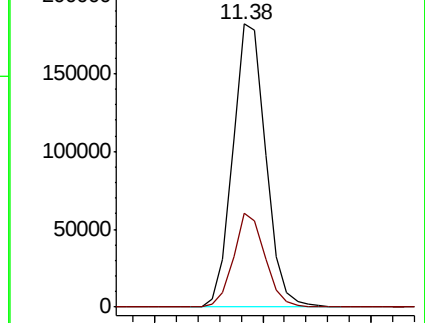
76 100

78 33.3 25.4 38.0

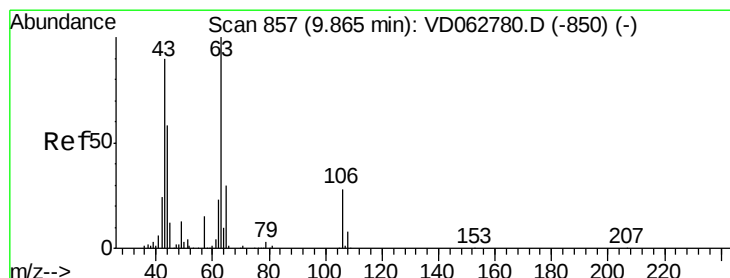
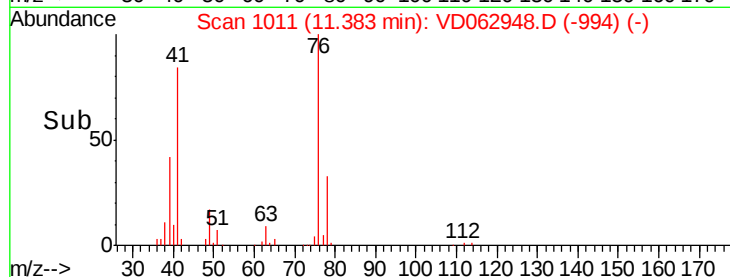


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 298.162 ug/l

RT: 9.84 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062948.D

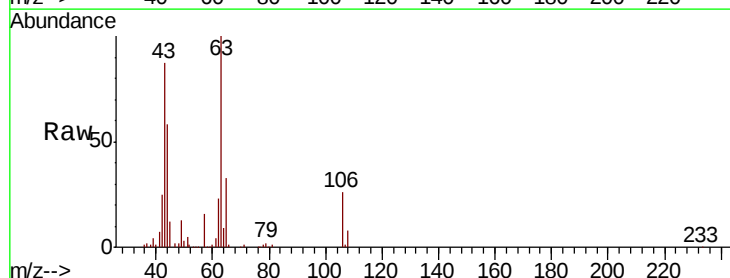
Acq: 27 Jun 2019 23:44

Tgt Ion: 63 Resp: 687010

Ion Ratio Lower Upper

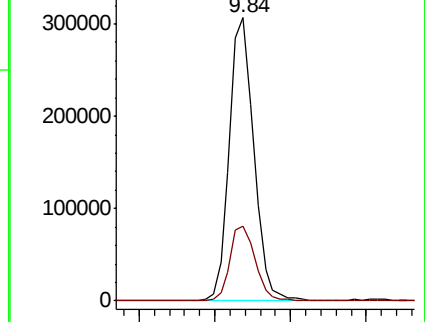
63 100

106 26.3 22.1 33.1

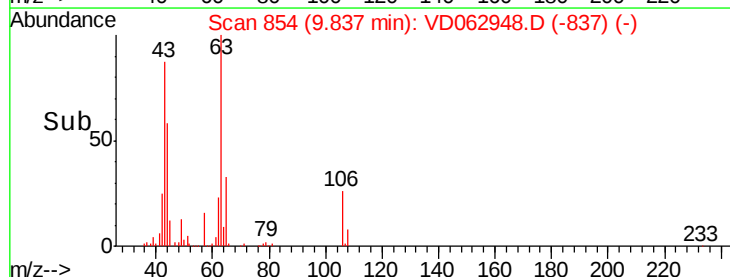


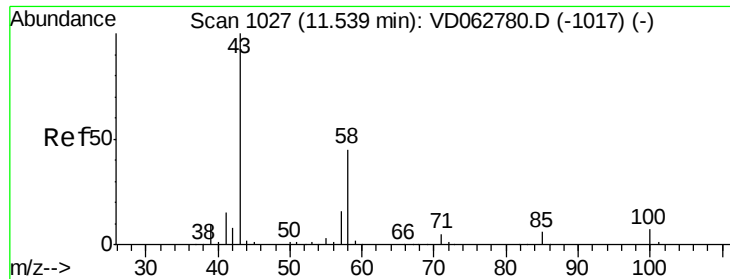
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



Time-->

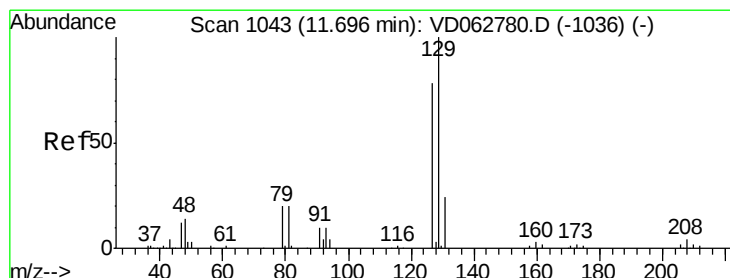
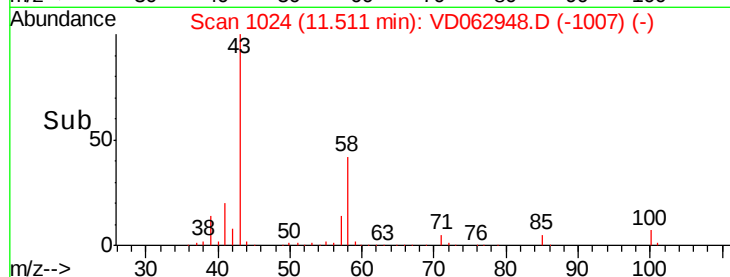
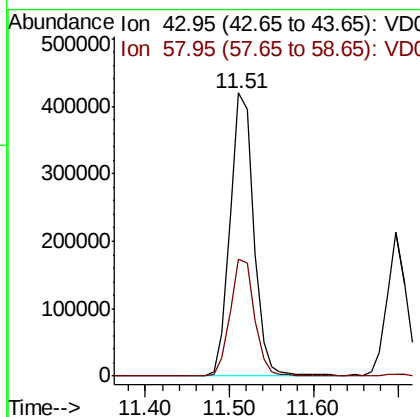
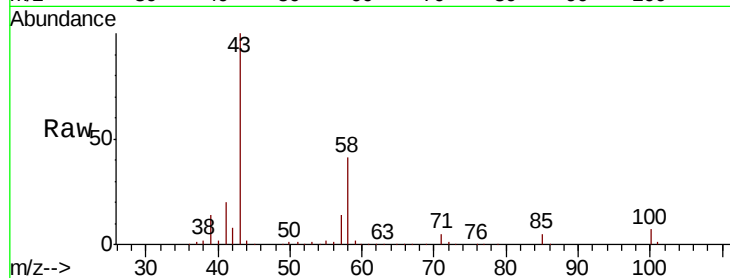




#59
2-Hexanone
Concen: 343.826 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

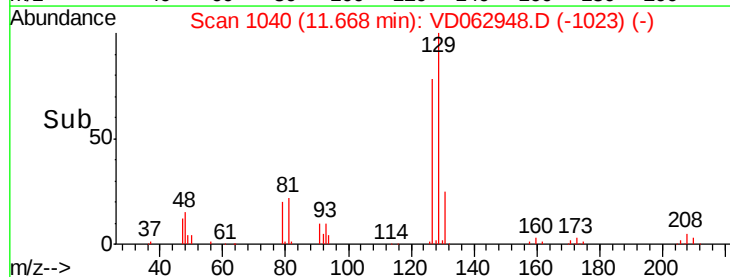
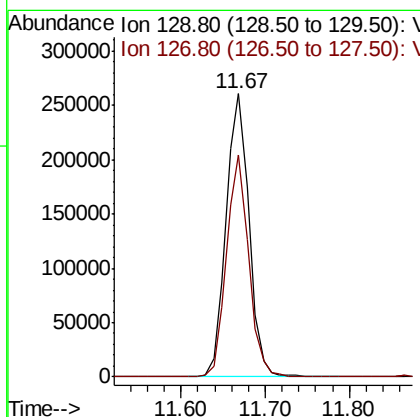
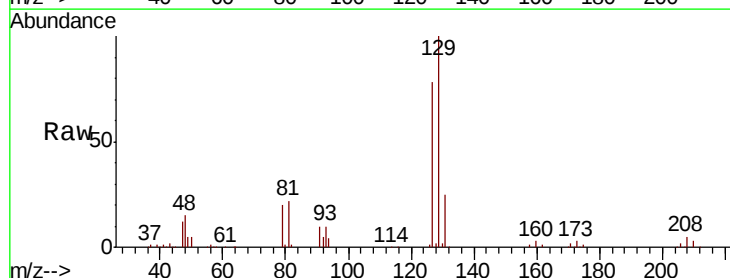
Instrument :
MSVOA_D
ClientSampled :

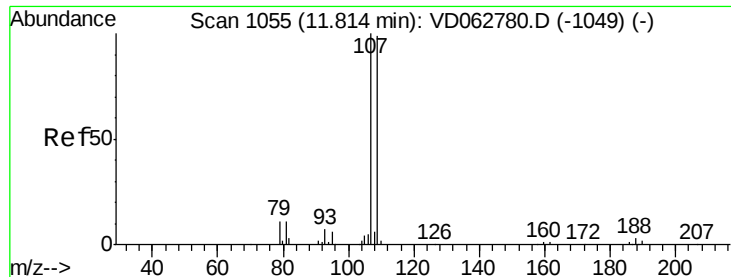
Tot Ion: 43 Resp: 824569
Ion Ratio Lower Upper
43 100
58 41.5 22.4 67.2



#60
Dibromochloromethane
Concen: 63.122 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion: 129 Resp: 493774
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6

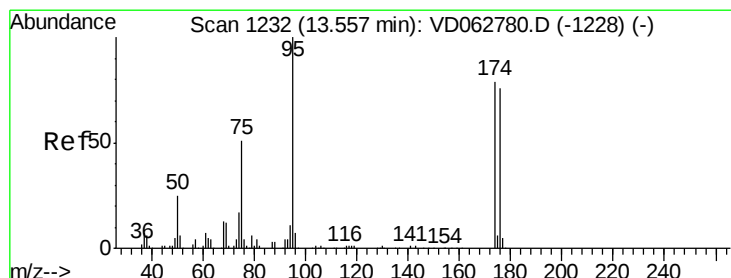
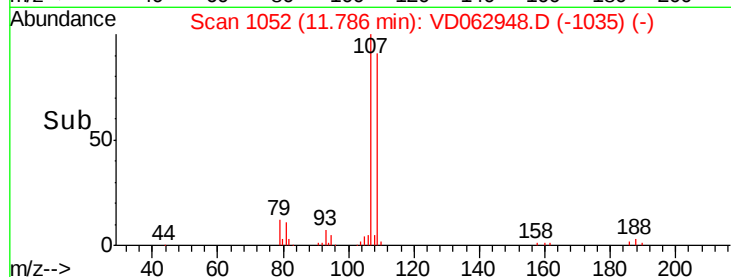
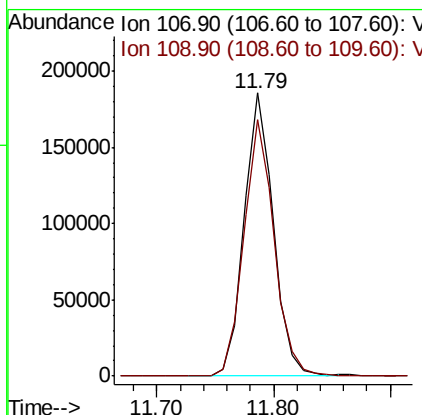
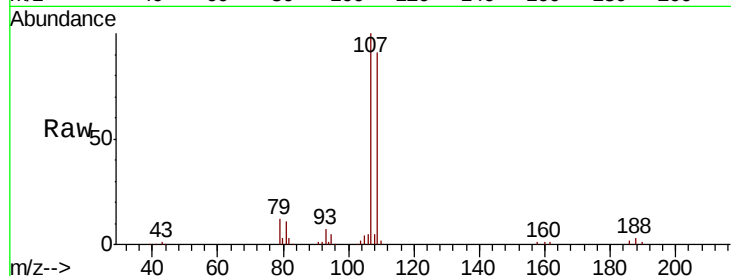




#61
 1,2-Dibromoethane
 Concen: 64.928 ug/l
 RT: 11.79 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

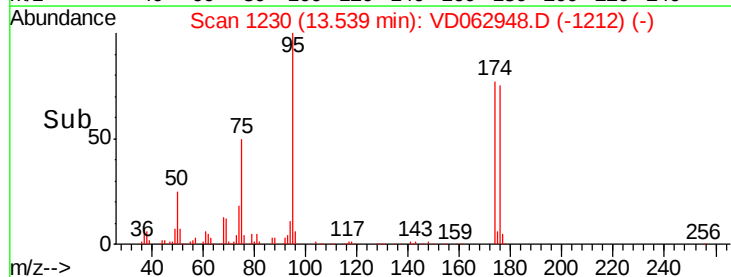
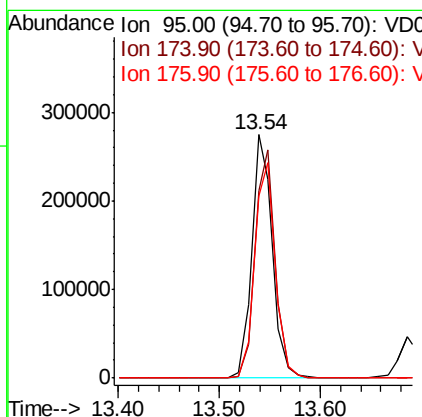
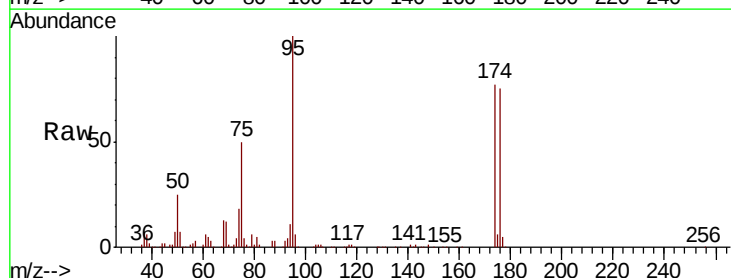
Instrument :
 MSVOA_D
 ClientSampleId :

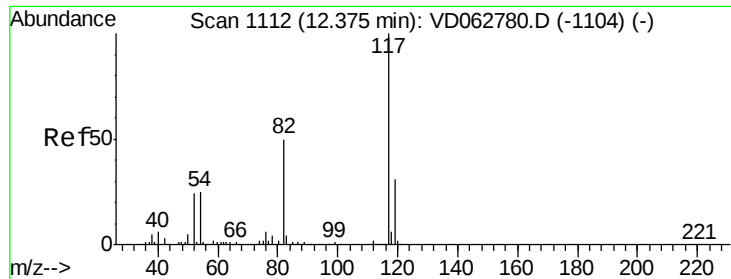
Tot Ion:107 Resp: 322048
 Ion Ratio Lower Upper
 107 100
 109 90.6 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 48.924 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion: 95 Resp: 390705
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 158.0
 176 75.0 0.0 151.6

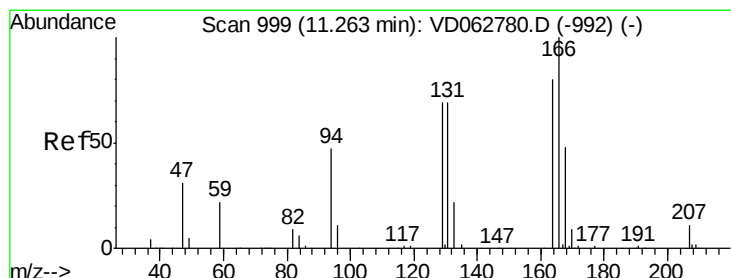
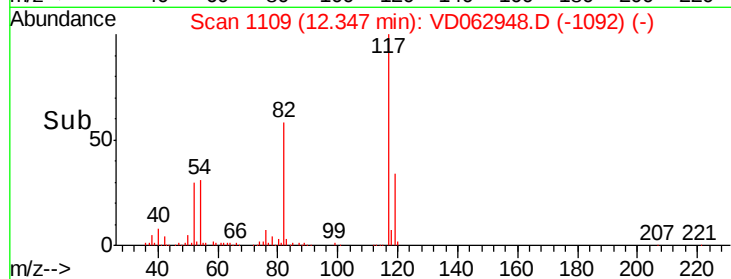
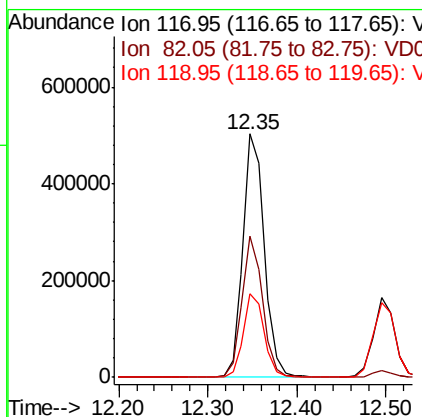
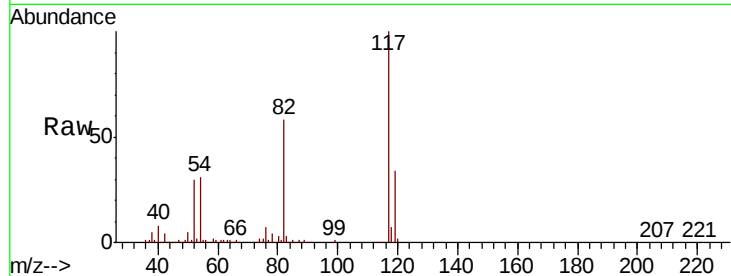




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

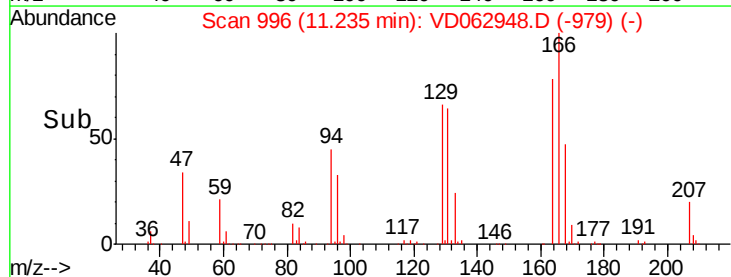
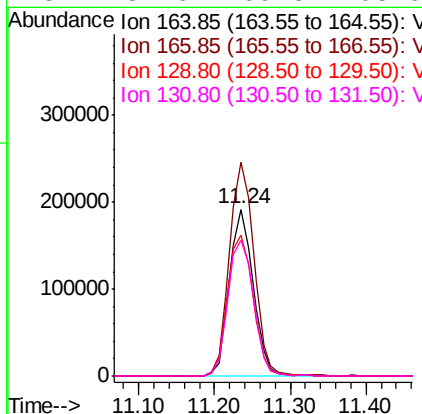
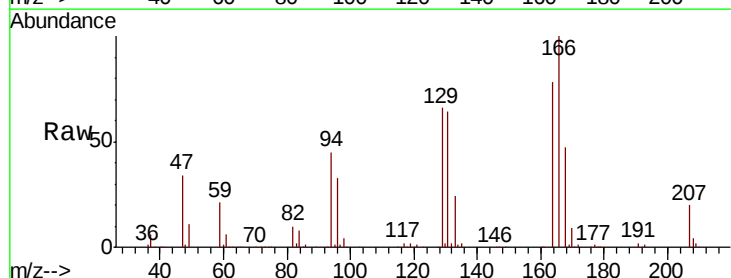
Instrument :
MSVOA_D
ClientSampleId :

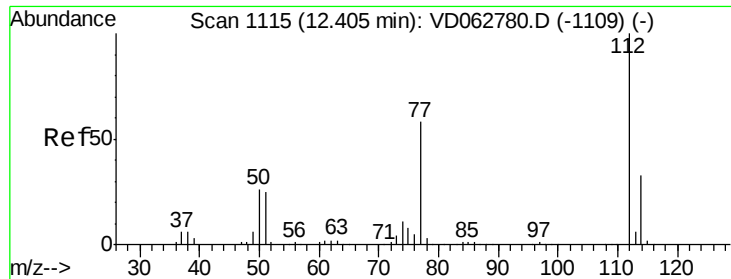
Tot Ion:117 Resp: 835047
Ion Ratio Lower Upper
117 100
82 58.2 40.4 60.6
119 34.1 25.2 37.8



#64
Tetrachloroethene
Concen: 60.977 ug/l
RT: 11.24 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion:164 Resp: 419071
Ion Ratio Lower Upper
164 100
166 128.1 100.6 150.8
129 84.5 69.4 104.0
131 81.6 69.3 103.9

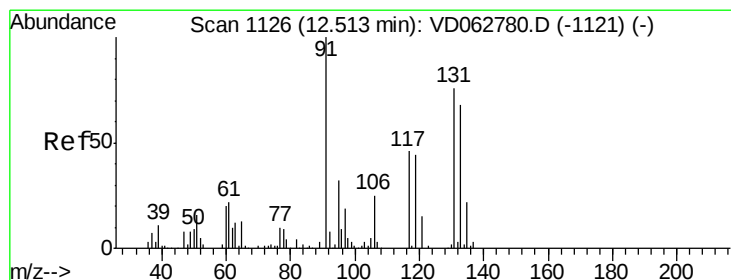
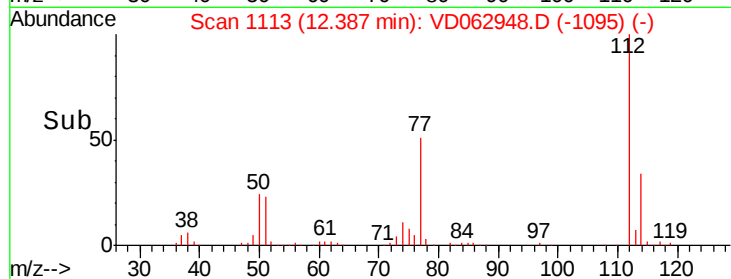
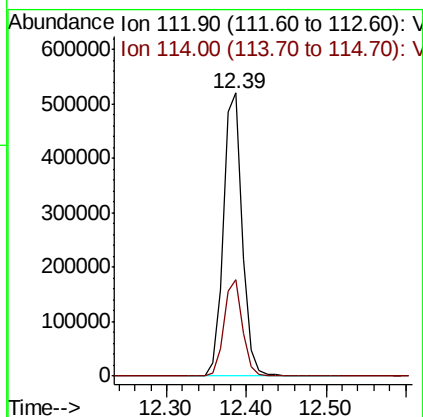
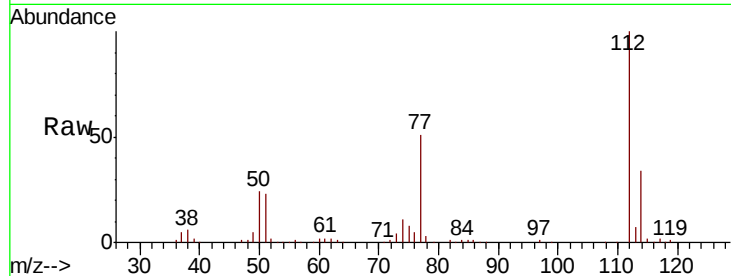




#65
Chlorobenzene
Concen: 56.393 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

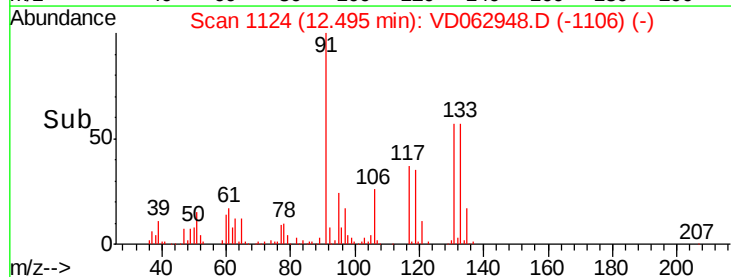
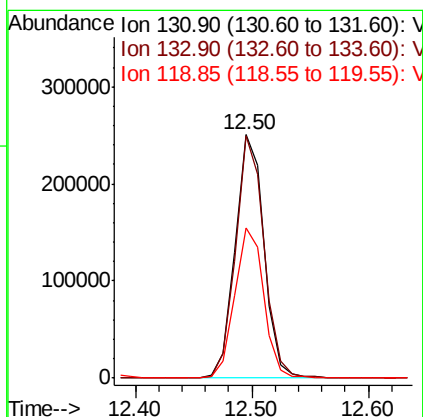
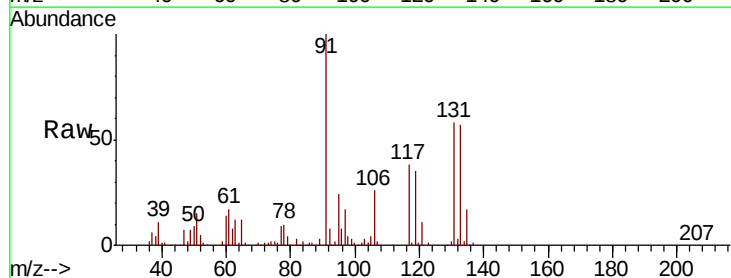
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:112 Resp: 873948
Ion Ratio Lower Upper
112 100
114 34.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 59.051 ug/l
RT: 12.50 min Scan# 1124
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion:131 Resp: 427978
Ion Ratio Lower Upper
131 100
133 99.7 44.5 133.3
119 61.5 28.6 85.9

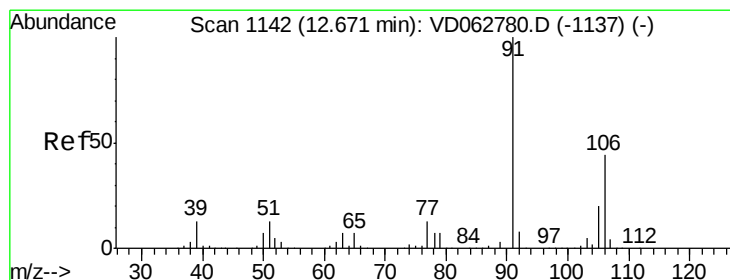
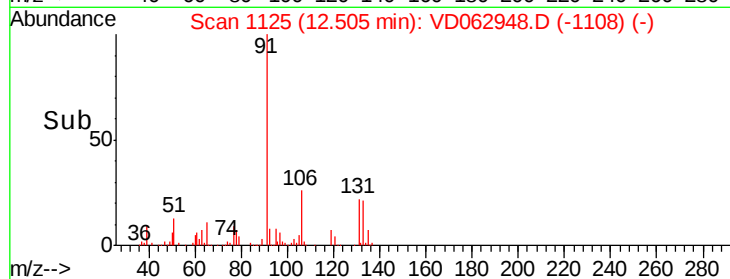
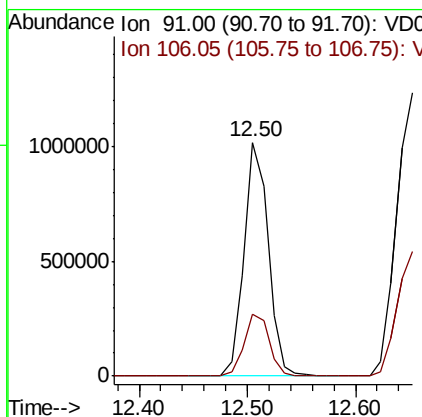
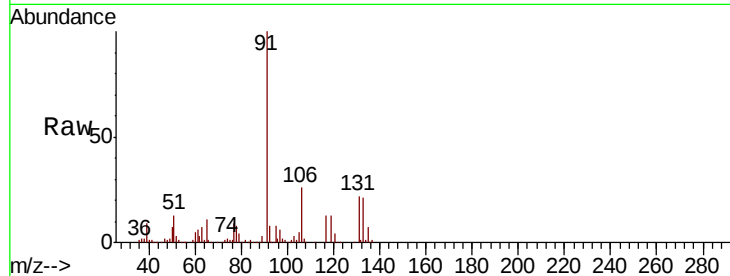




#67
Ethyl Benzene
Concen: 56.835 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

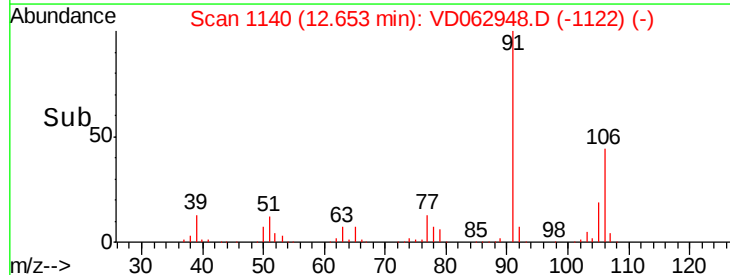
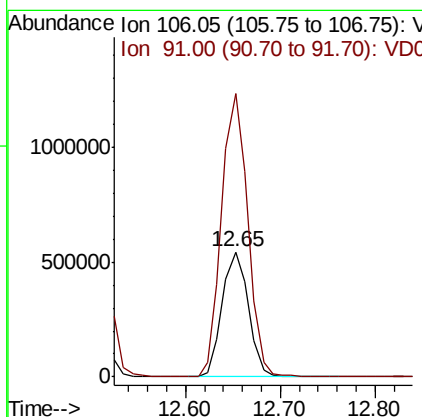
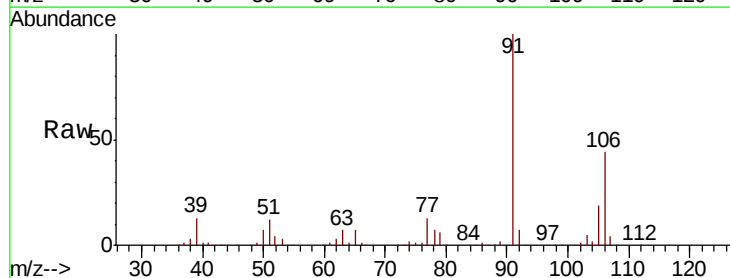
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1581393
Ion Ratio Lower Upper
91 100
106 26.2 23.1 34.7



#68
m/p-Xylenes
Concen: 108.730 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion: 106 Resp: 1053689
Ion Ratio Lower Upper
106 100
91 225.9 183.0 274.6

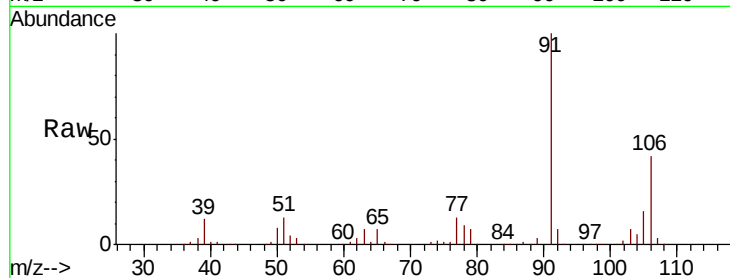




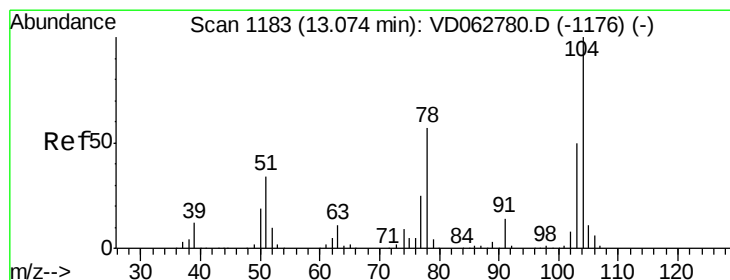
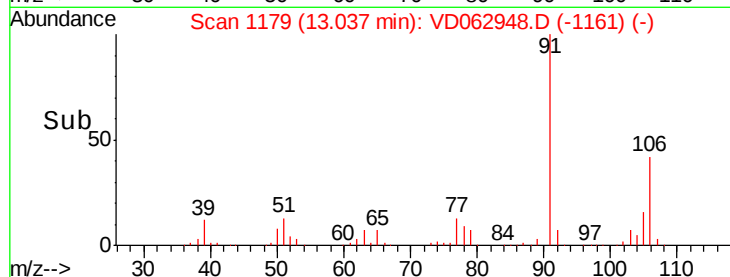
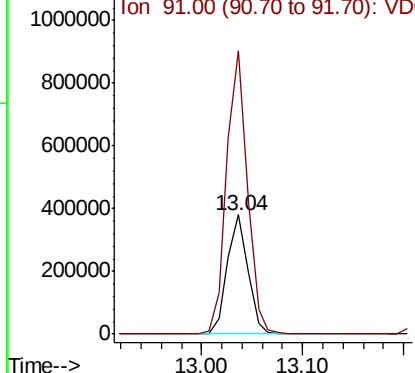
#69
o-Xylene
Concen: 61.521 ug/l
RT: 13.04 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 545013
Ion Ratio Lower Upper
106 100
91 237.8 117.9 353.6

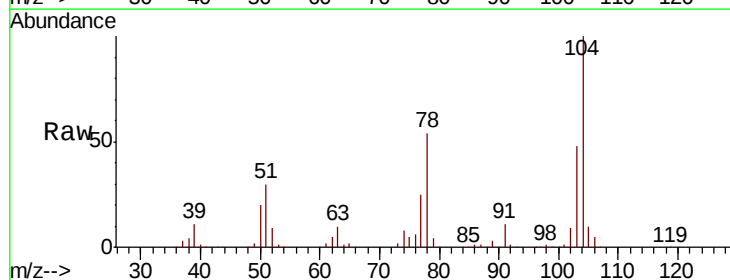


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

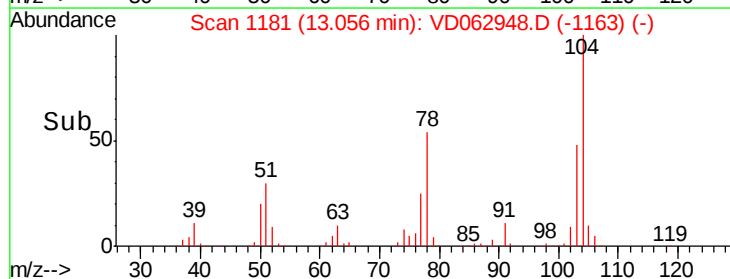
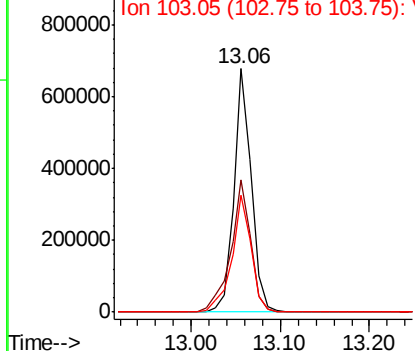


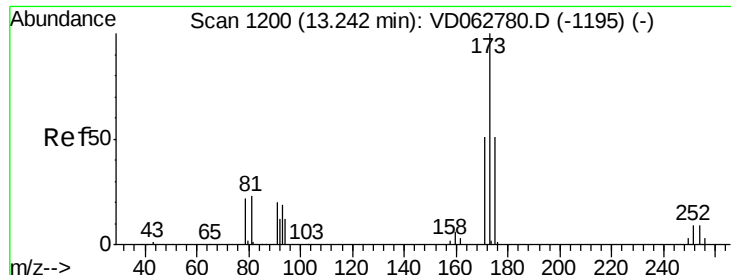
#70
Styrene
Concen: 60.271 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion:104 Resp: 937838
Ion Ratio Lower Upper
104 100
78 54.1 45.4 68.2
103 47.9 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: 64.304 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

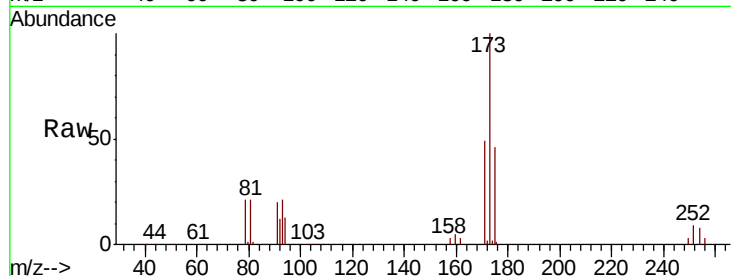
Tot Ion:173 Resp: 319308

Ion Ratio Lower Upper

173 100

175 46.4 25.3 75.9

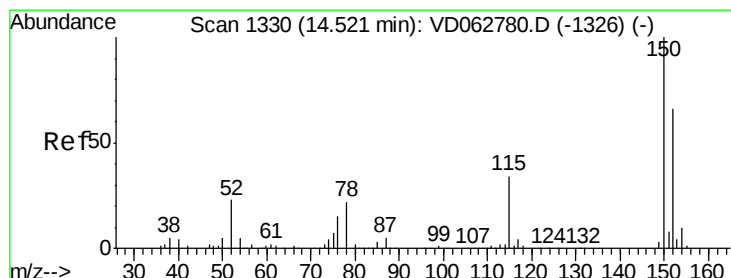
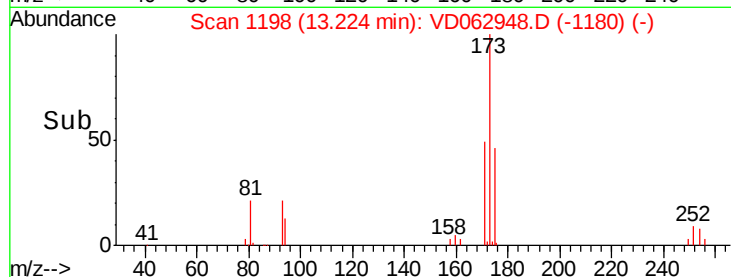
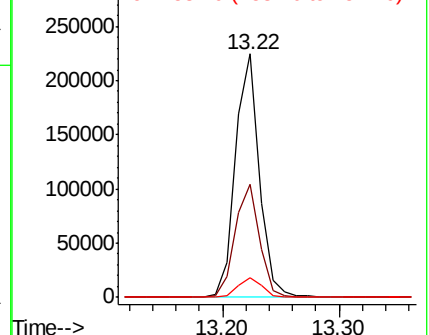
254 7.9 7.1 10.7



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: VD062948.D

Acq: 27 Jun 2019 23:44

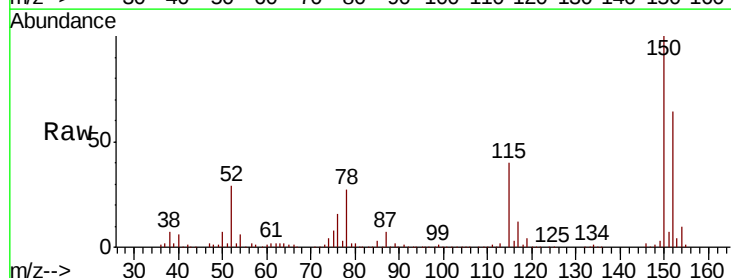
Tgt Ion:152 Resp: 480484

Ion Ratio Lower Upper

152 100

115 61.5 29.2 87.6

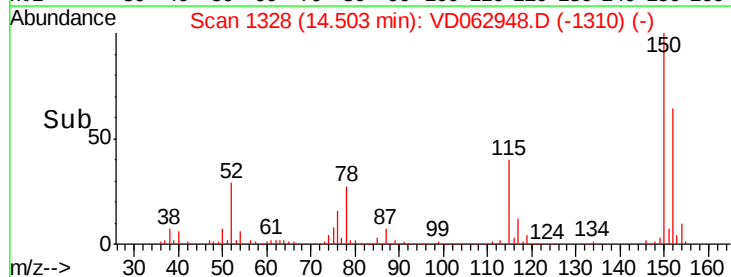
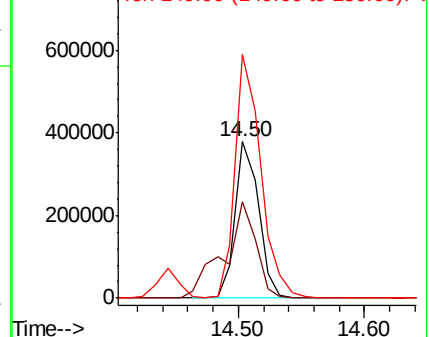
150 155.6 0.0 305.8

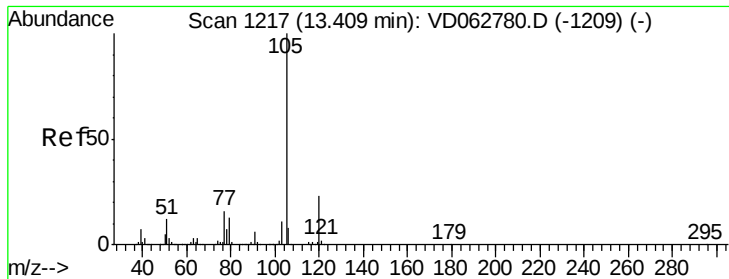


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.701 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

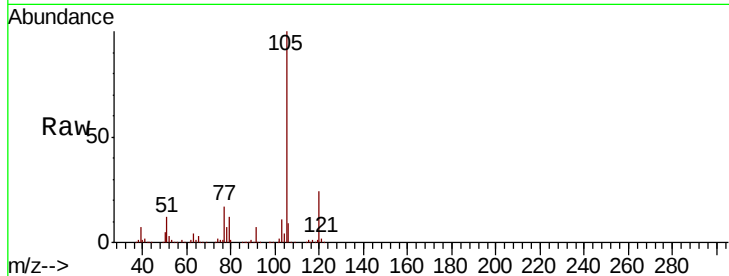
ClientSampleId :

Tot Ion:105 Resp: 1592781

Ion Ratio Lower Upper

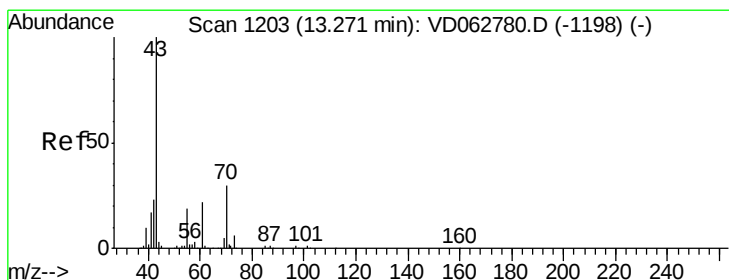
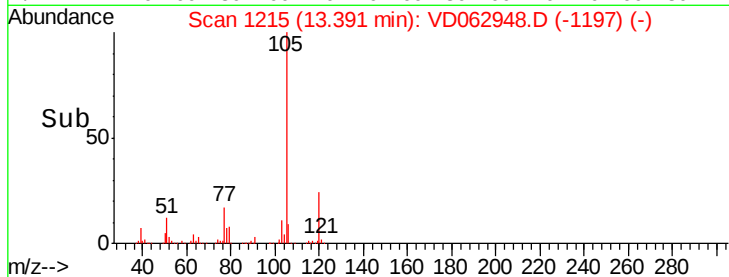
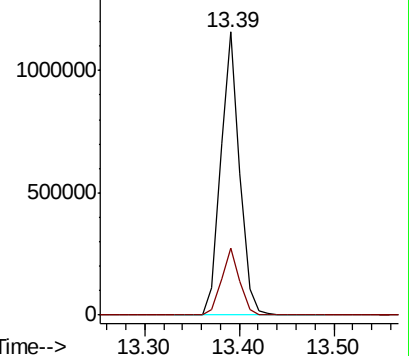
105 100

120 23.8 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: 60.522 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Tgt Ion: 43 Resp: 452797

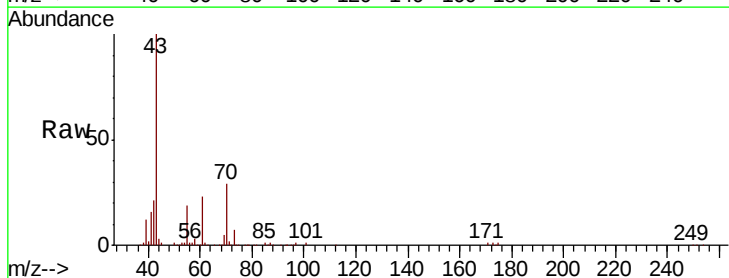
Ion Ratio Lower Upper

43 100

70 28.9 24.4 36.6

55 18.9 15.2 22.8

61 22.6 17.4 26.2

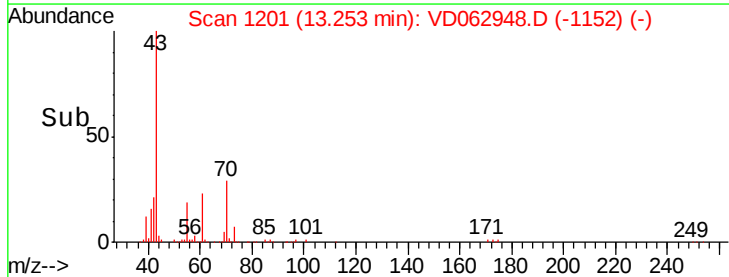
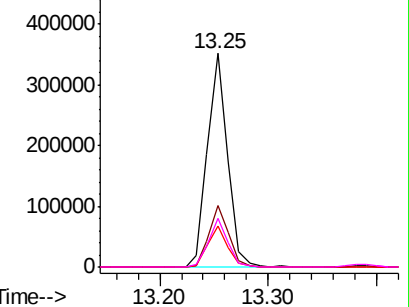


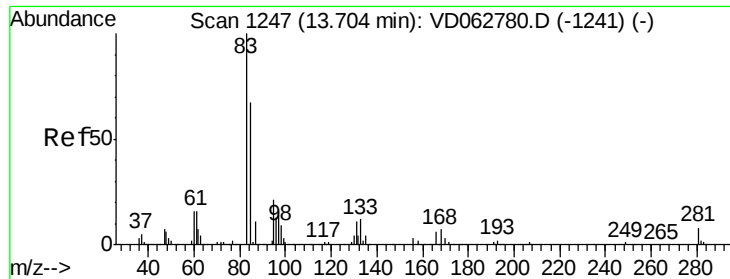
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 64.011 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

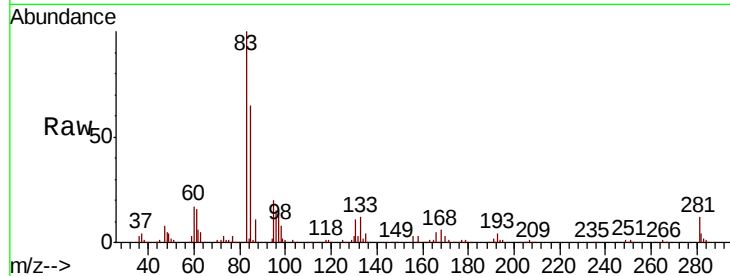
Tot Ion: 83 Resp: 321311

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

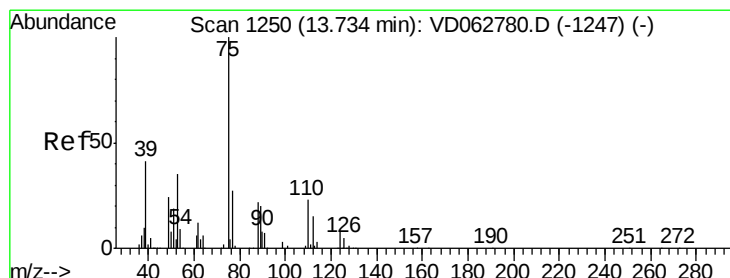
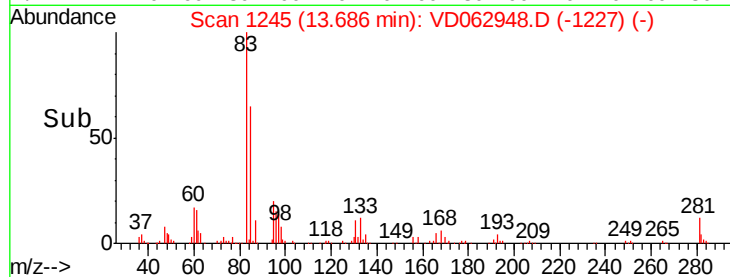
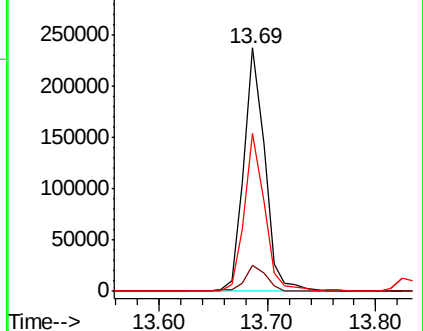
85 64.8 33.7 101.1



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: 58.426 ug/l

RT: 13.72 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VD062948.D

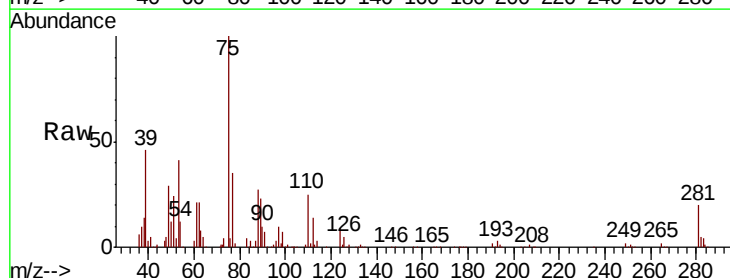
Acq: 27 Jun 2019 23:44

Tgt Ion: 75 Resp: 324082

Ion Ratio Lower Upper

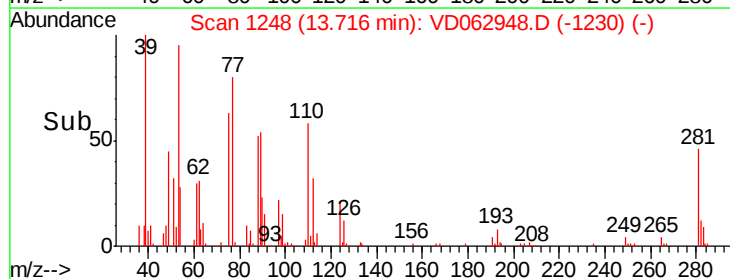
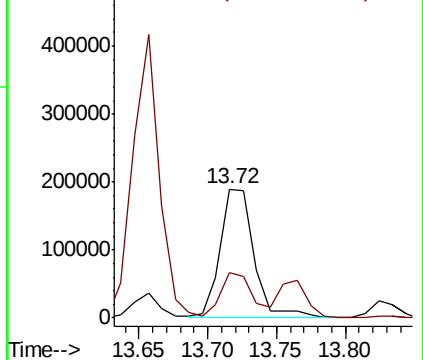
75 100

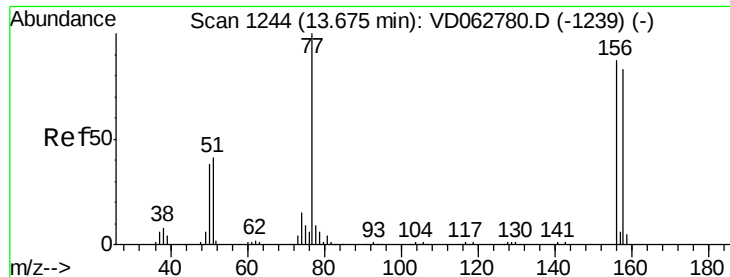
77 34.9 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.232 ug/l

RT: 13.66 min Scan# 1242

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampled :

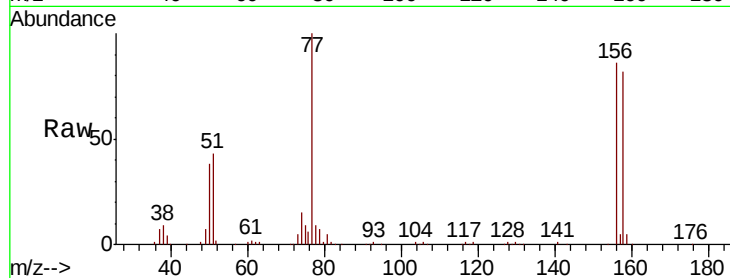
Tot Ion:156 Resp: 449389

Ion Ratio Lower Upper

156 100

77 116.9 57.7 173.1

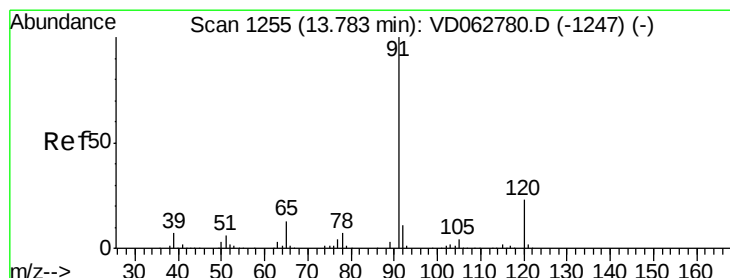
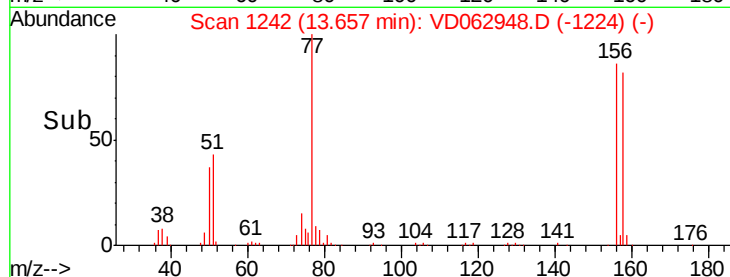
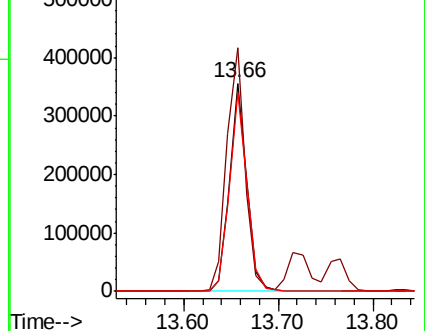
158 95.7 47.7 143.1



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: 51.718 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062948.D

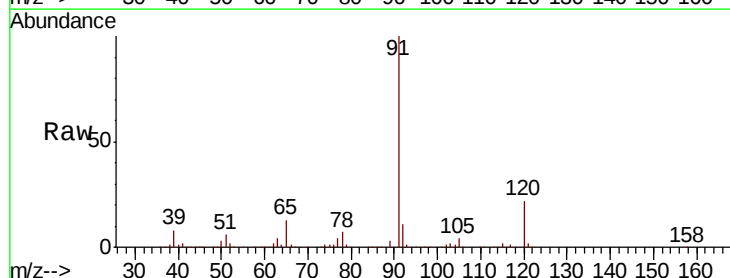
Acq: 27 Jun 2019 23:44

Tgt Ion: 91 Resp: 1854477

Ion Ratio Lower Upper

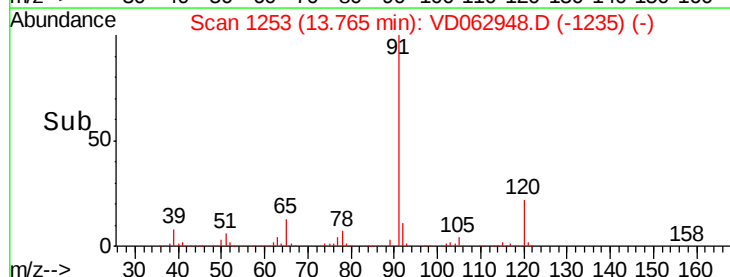
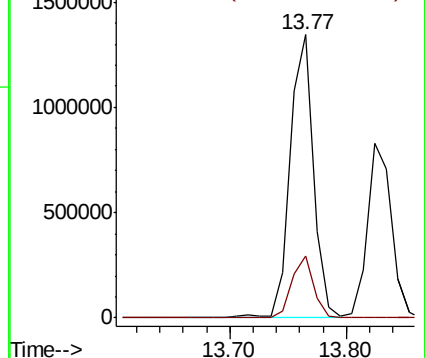
91 100

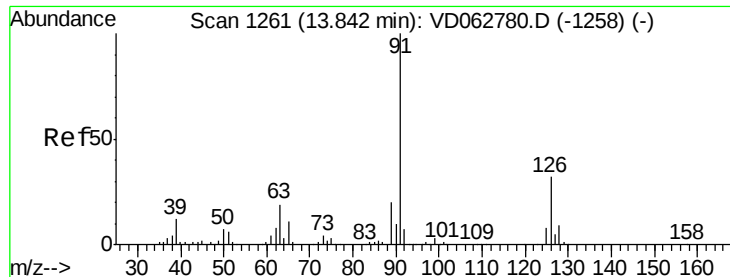
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

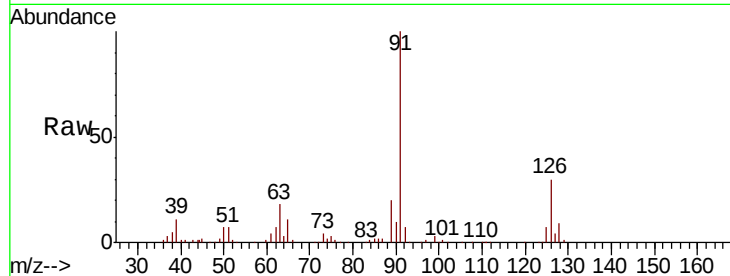




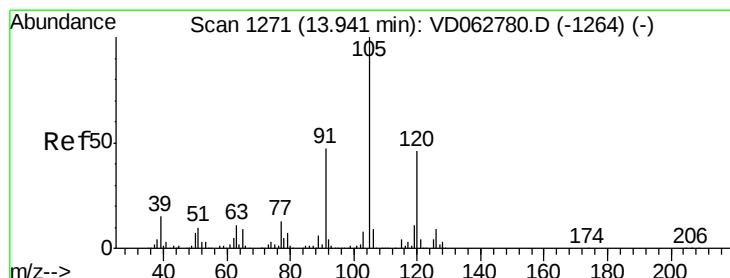
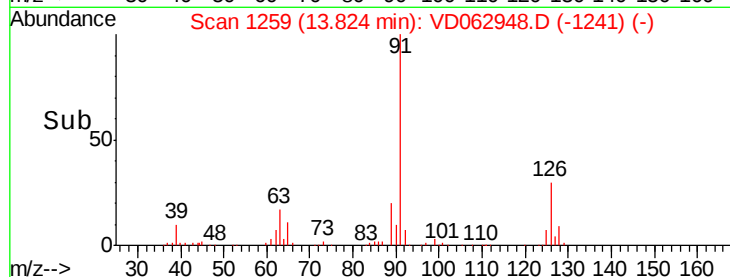
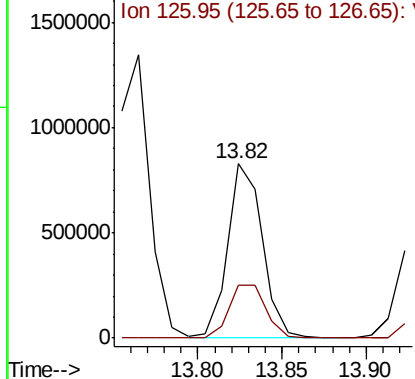
#79
 2-Chlorotoluene
 Concen: 57.445 ug/l
 RT: 13.82 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 1177160
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.7 47.1

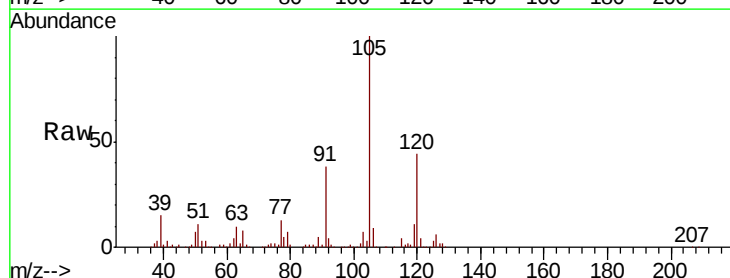


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

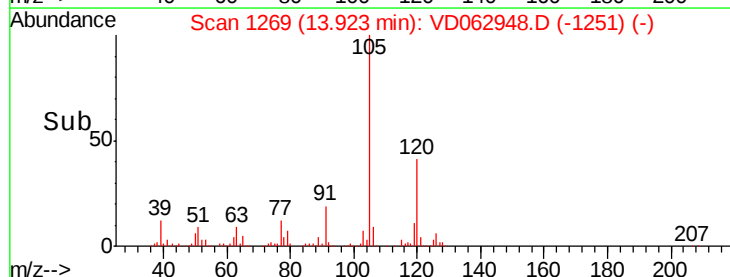
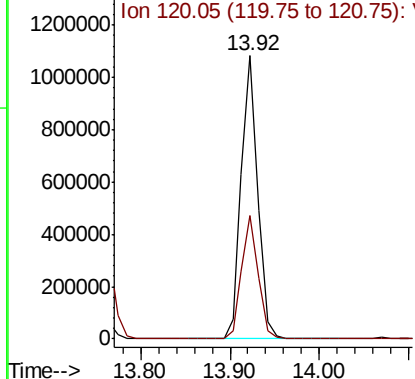


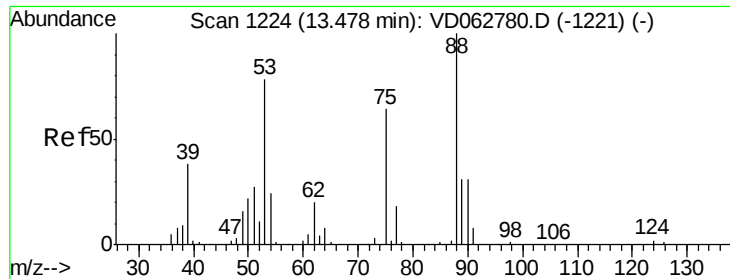
#80
 1,3,5-Trimethylbenzene
 Concen: 53.853 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion: 105 Resp: 1393570
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.1 69.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 54.529 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

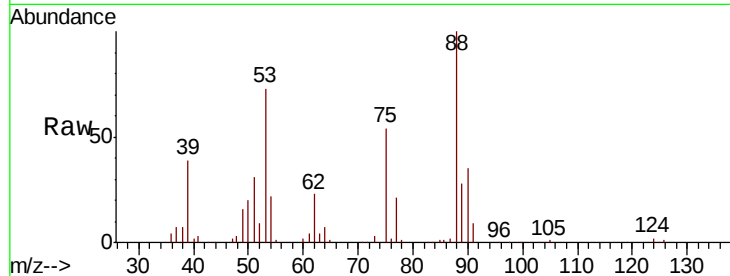
Tot Ion: 75 Resp: 79271

Ion Ratio Lower Upper

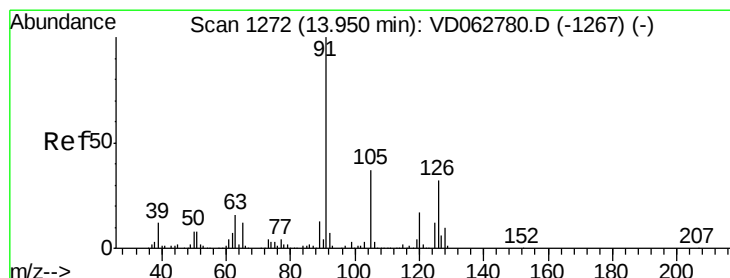
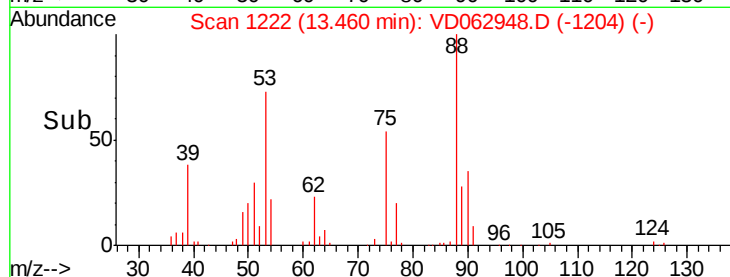
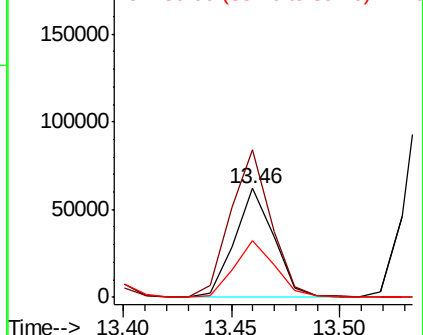
75 100

53 134.9 97.8 146.8

89 52.0 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: 56.254 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062948.D

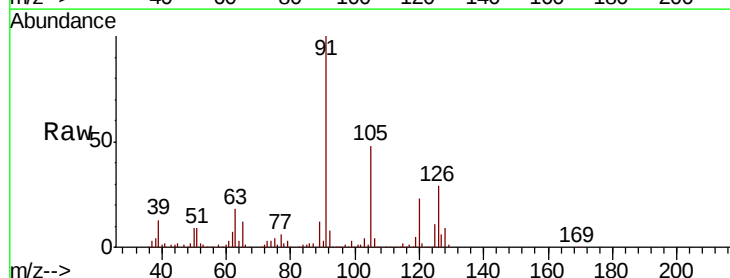
Acq: 27 Jun 2019 23:44

Tgt Ion: 91 Resp: 1387796

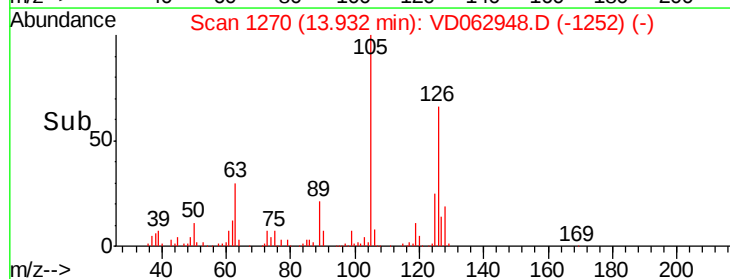
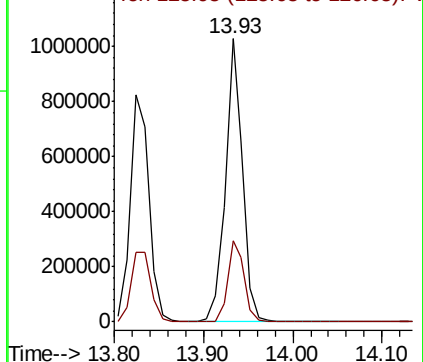
Ion Ratio Lower Upper

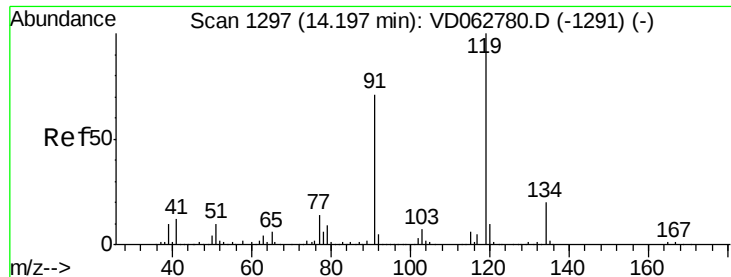
91 100

126 28.8 16.0 47.9



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

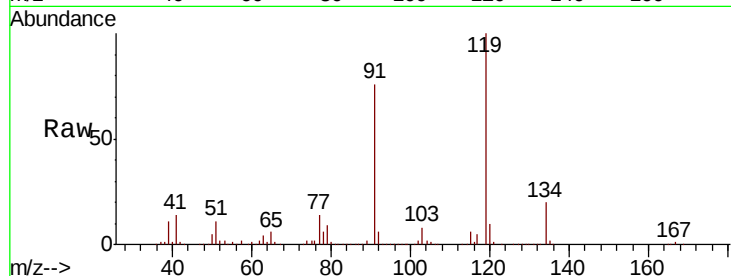




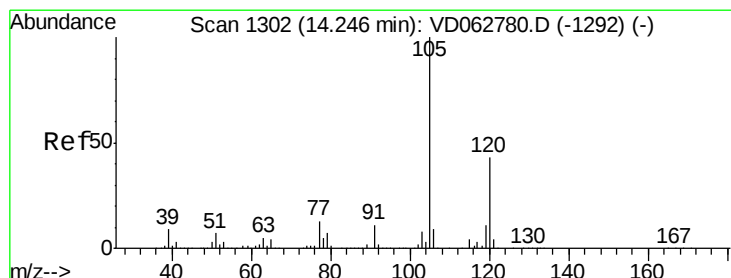
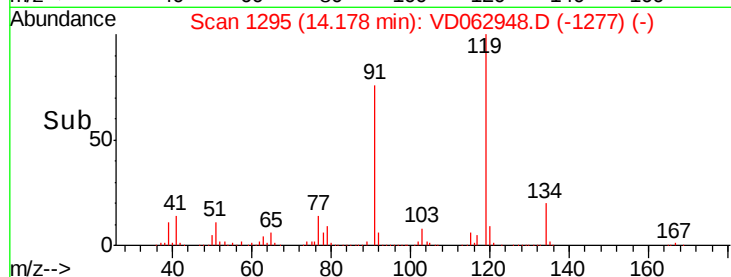
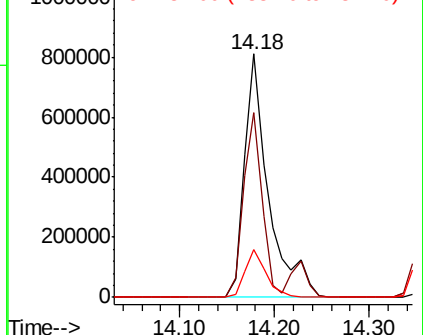
#83
tert-Butylbenzene
Concen: 49.547 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:119 Resp: 1429129
Ion Ratio Lower Upper
119 100
91 75.9 35.5 106.5
134 19.8 10.2 30.6

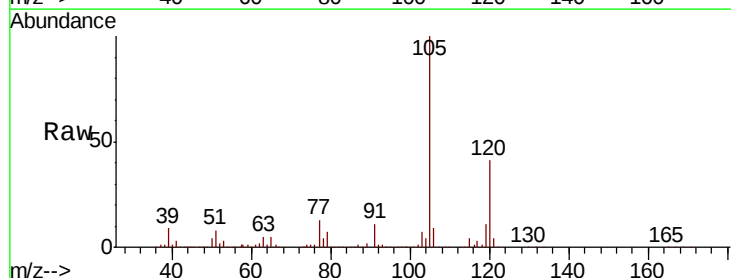


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

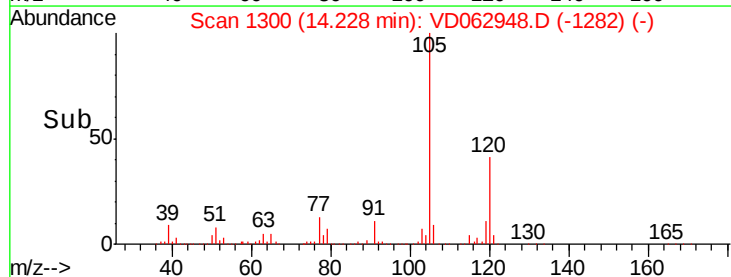
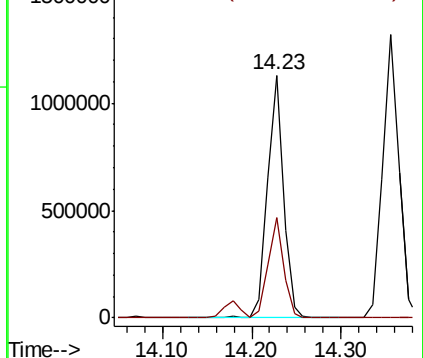


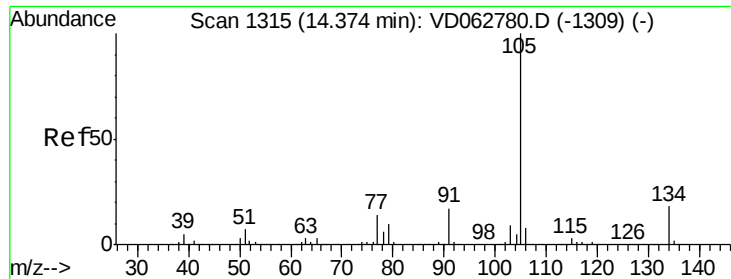
#84
1,2,4-Trimethylbenzene
Concen: 52.527 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion:105 Resp: 1393177
Ion Ratio Lower Upper
105 100
120 41.4 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: 52.919 ug/l

RT: 14.36 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

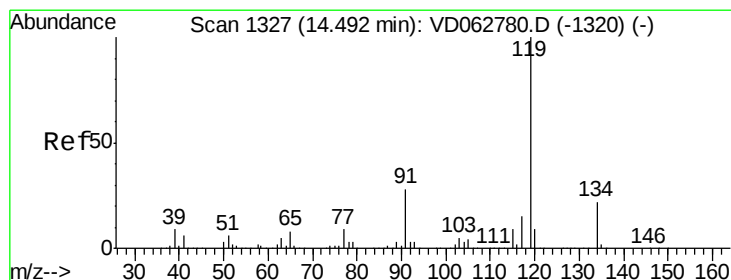
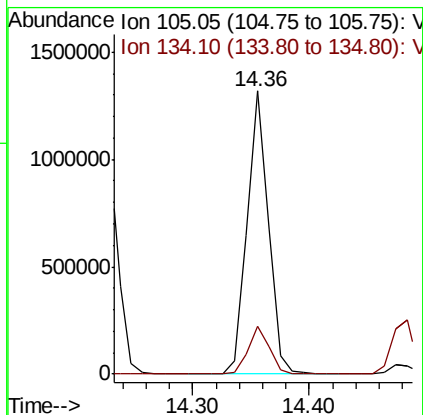
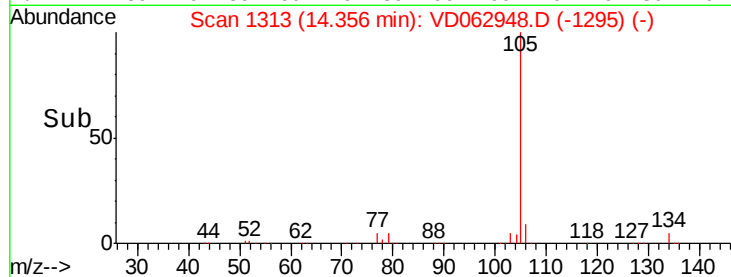
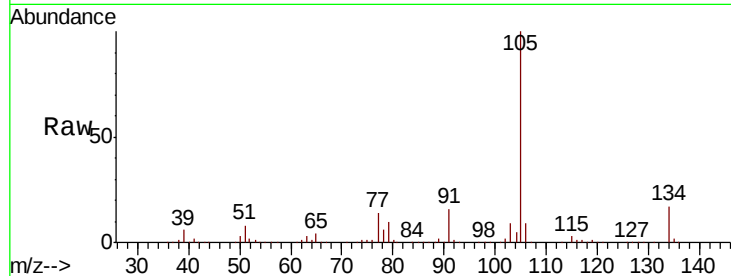
ClientSampleId :

Tot Ion:105 Resp: 1658998

Ion Ratio Lower Upper

105 100

134 16.9 9.1 27.3



#86

p-Isopropyltoluene

Concen: 52.732 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

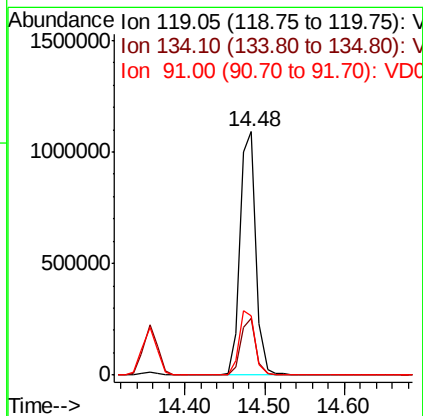
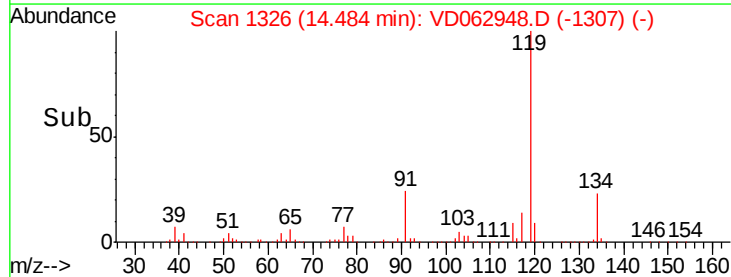
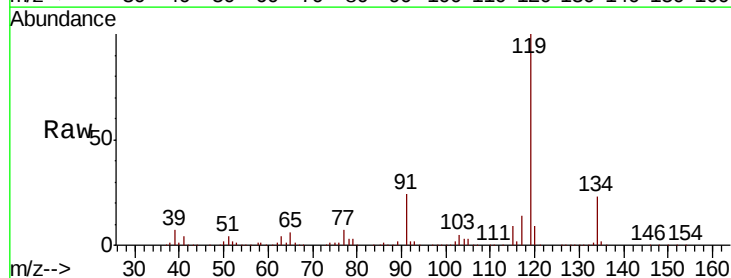
Tgt Ion:119 Resp: 1512368

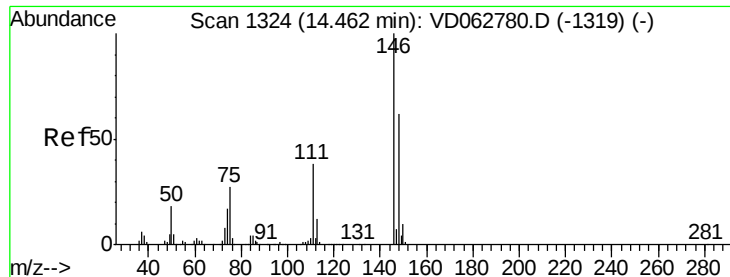
Ion Ratio Lower Upper

119 100

134 23.1 11.1 33.1

91 24.2 14.0 41.9

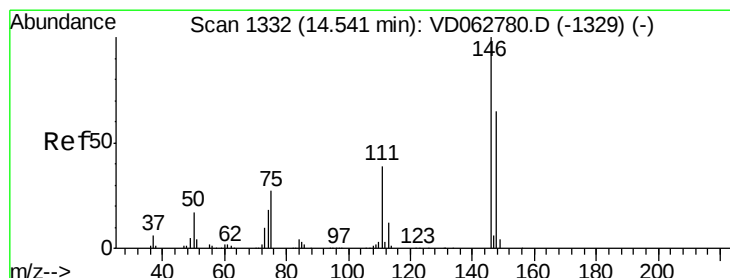
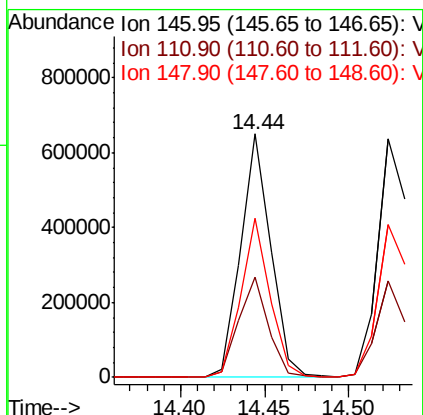
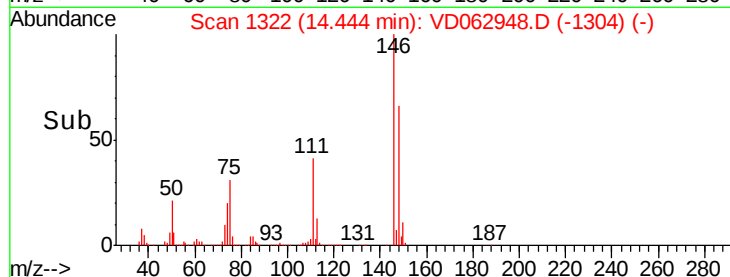
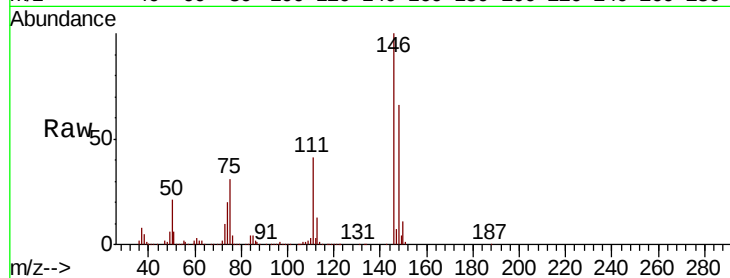




#87
 1,3-Dichlorobenzene
 Concen: 54.478 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

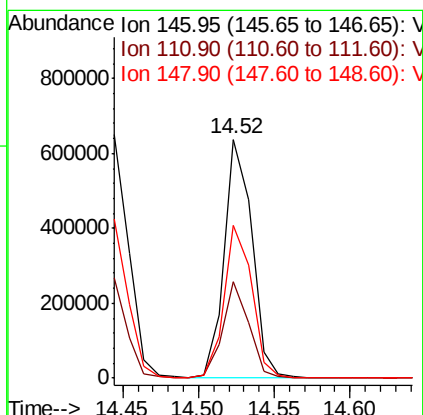
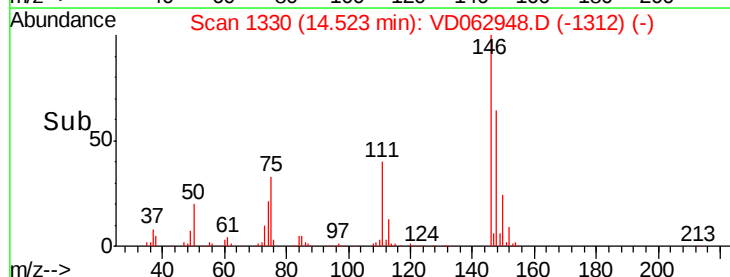
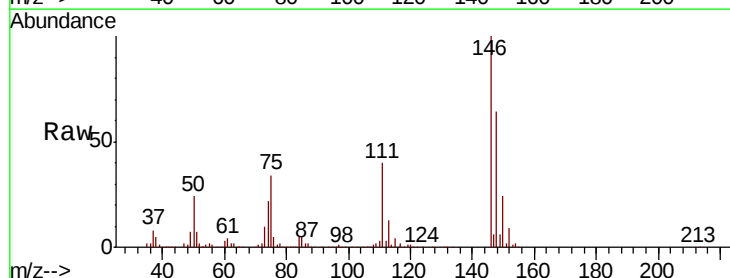
Instrument :
 MSVOA_D
 ClientSampleId :

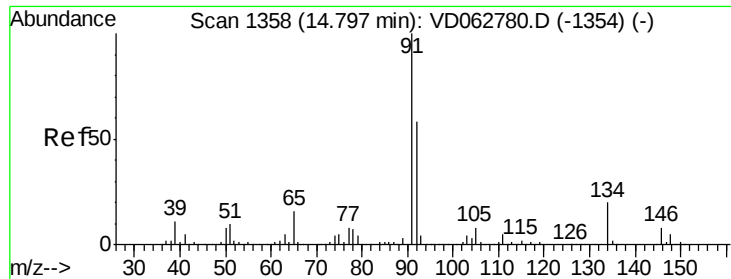
Tot Ion:146 Resp: 809211
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.0 57.0
 148 65.5 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 54.385 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion:146 Resp: 811393
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.7 59.1
 148 64.0 32.8 98.3





#89

n-Butylbenzene

Concen: 49.196 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062948.D

Acq: 27 Jun 2019 23:44

Instrument :

MSVOA_D

ClientSampleID :

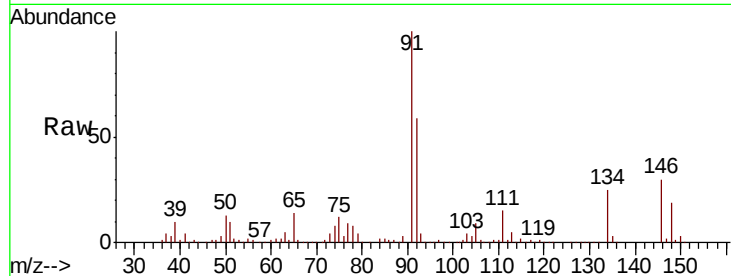
Tot Ion: 91 Resp: 1320595

Ion Ratio Lower Upper

91 100

92 59.2 28.9 86.7

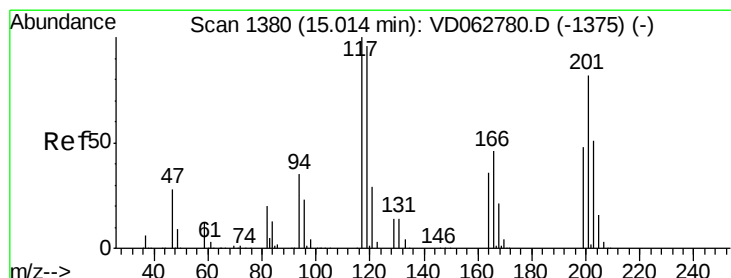
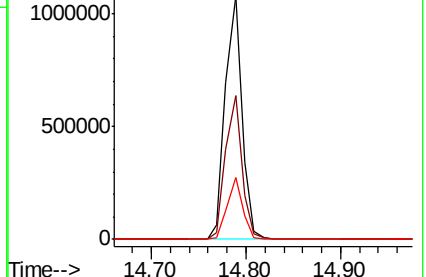
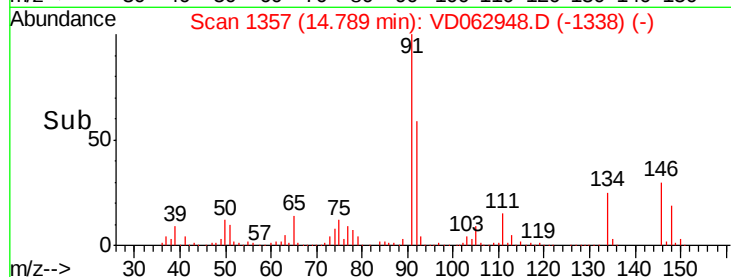
134 25.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1354) (-)

Ion 92.00 (91.70 to 92.70): VD062780.D (-1354) (-)

Ion 134.10 (133.80 to 134.80): VD062780.D (-1354) (-)



#90

Hexachloroethane

Concen: 55.848 ug/l

RT: 15.00 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VD062948.D

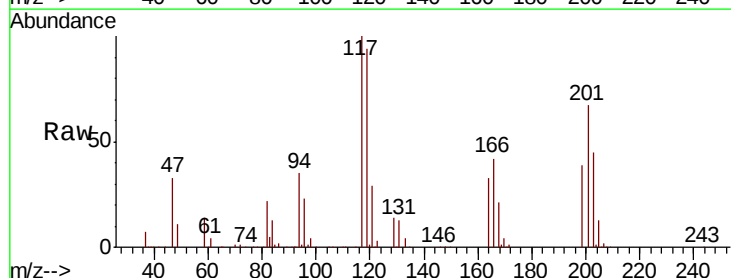
Acq: 27 Jun 2019 23:44

Tgt Ion: 117 Resp: 430659

Ion Ratio Lower Upper

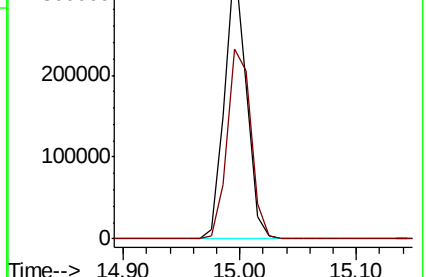
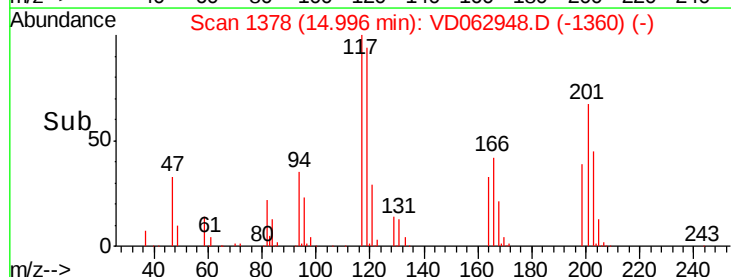
117 100

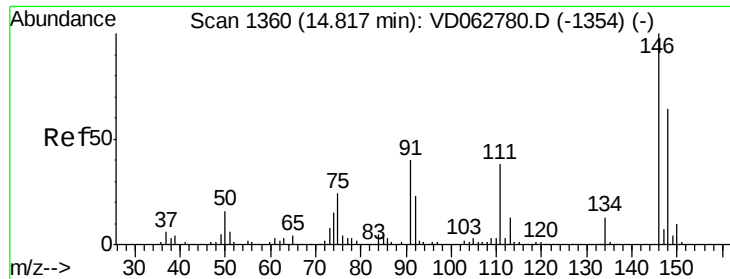
201 67.0 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VD062780.D (-1375) (-)

Ion 200.75 (200.45 to 201.45): VD062780.D (-1375) (-)

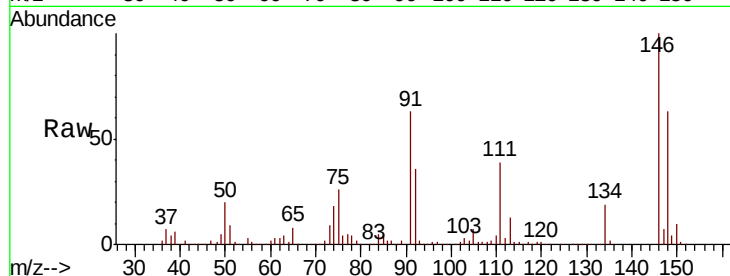




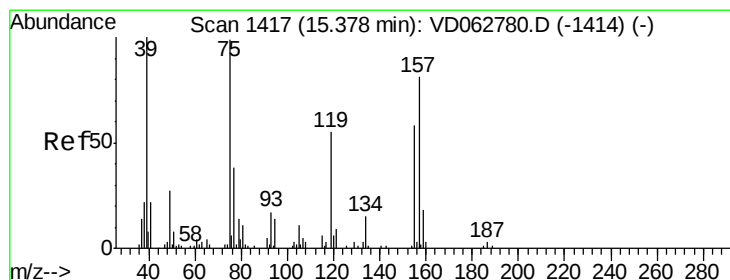
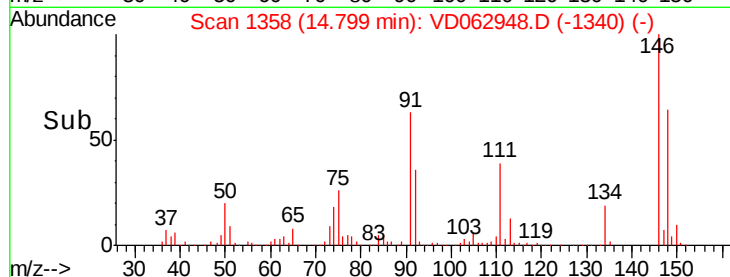
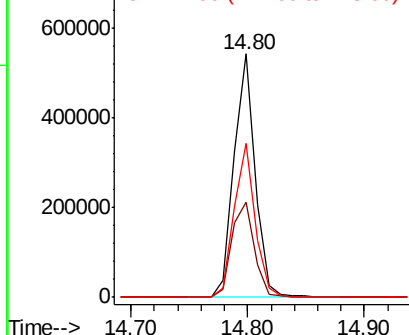
#91
 1,2-Dichlorobenzene
 Concen: 53.793 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 683635
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.1 57.1
 148 63.5 32.3 96.8

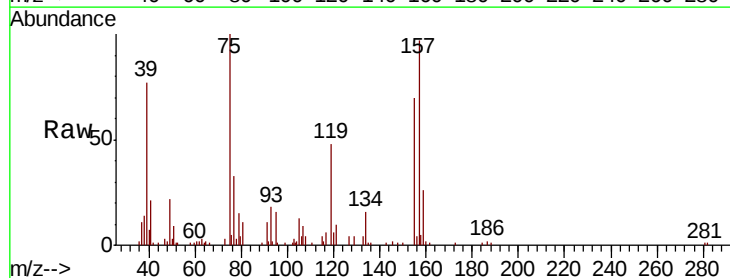


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

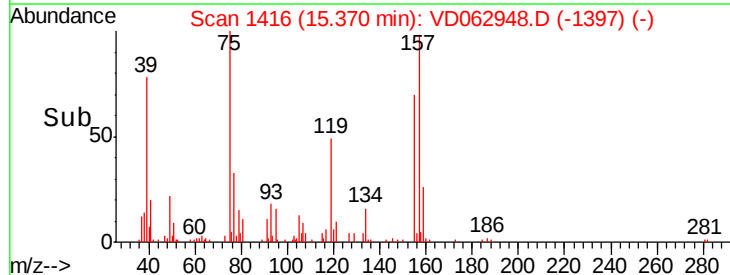
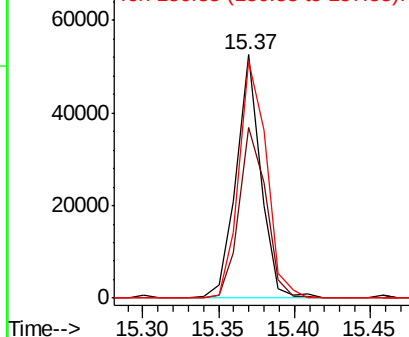


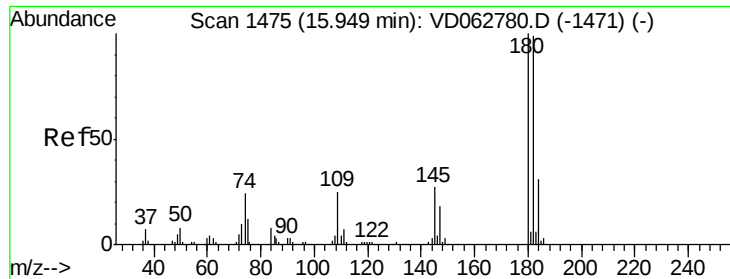
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.200 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion: 75 Resp: 58980
 Ion Ratio Lower Upper
 75 100
 155 70.0 29.3 87.8
 157 97.4 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

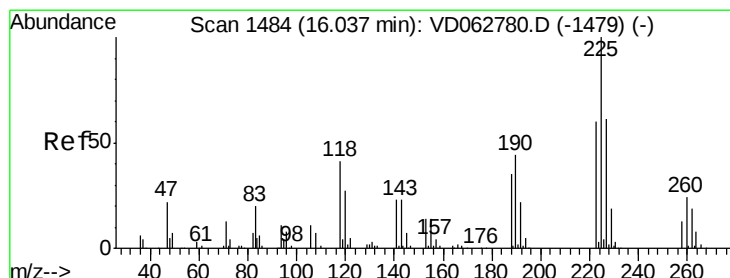
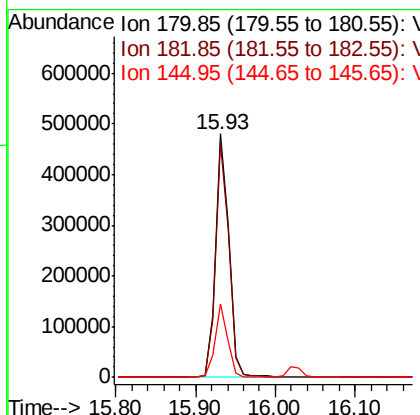
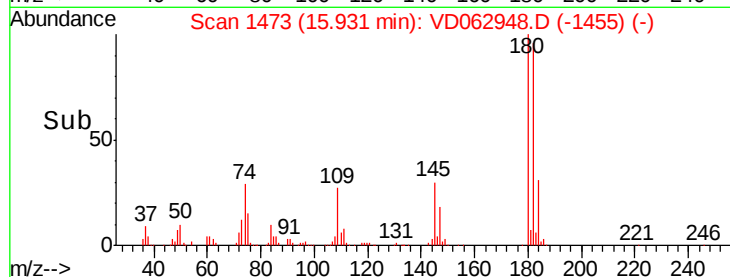
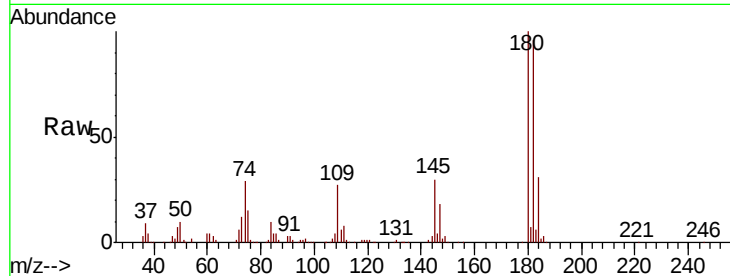




#93
 1,2,4-Trichlorobenzene
 Concen: 58.104 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

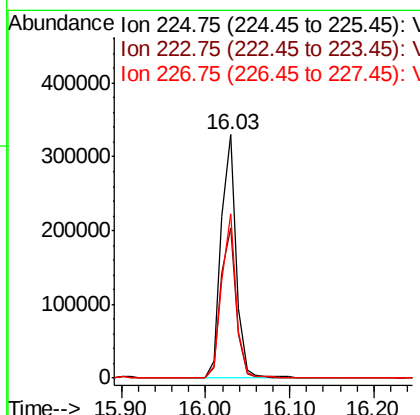
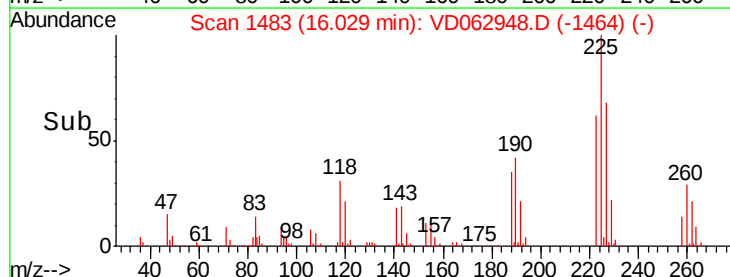
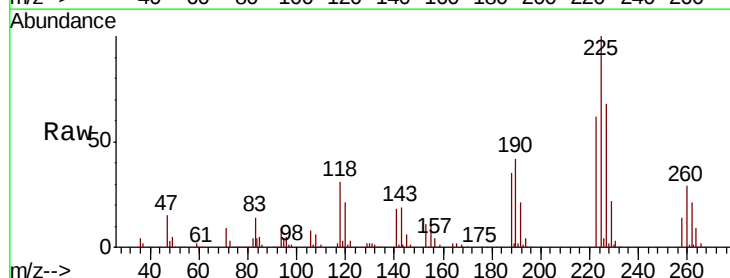
Instrument :
 MSVOA_D
 ClientSampleId :

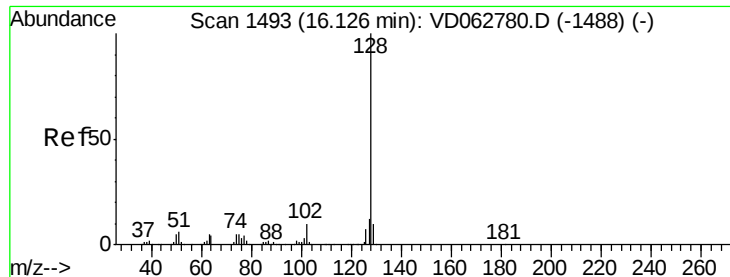
Tot Ion:180 Resp: 576831
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.5 148.5
 145 29.9 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 54.103 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062948.D
 Acq: 27 Jun 2019 23:44

Tgt Ion:225 Resp: 410328
 Ion Ratio Lower Upper
 225 100
 223 61.7 29.8 89.5
 227 67.6 30.6 91.6

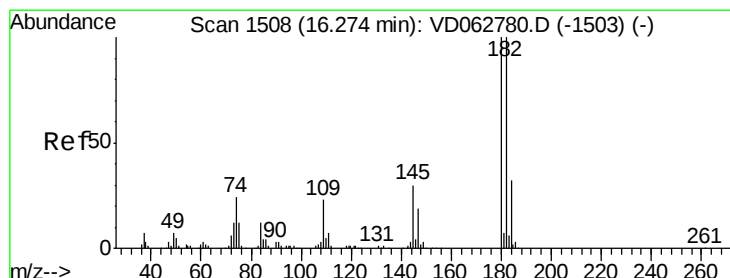
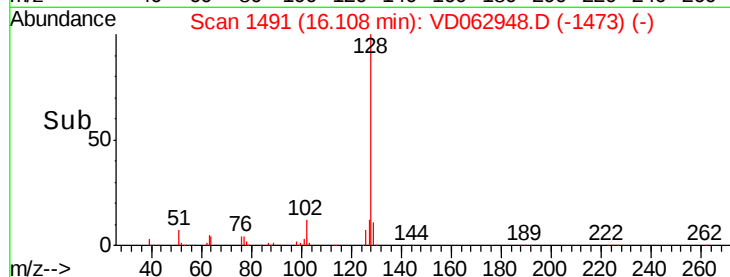
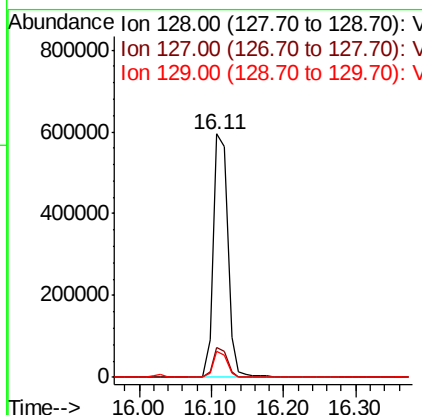
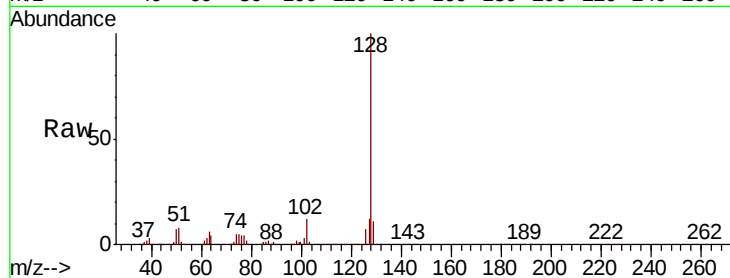




#95
Naphthalene
Concen: 59.454 ug/l
RT: 16.11 min Scan# 1491
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 827275
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 60.859 ug/l
RT: 16.26 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VD062948.D
Acq: 27 Jun 2019 23:44

Tgt Ion:180 Resp: 464213
Ion Ratio Lower Upper
180 100
182 94.4 49.9 149.6
145 31.6 15.2 45.5

