

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062580.D
 Acq On : 3 Jun 2019 12:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	819055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1101176	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	919689	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	537865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	480970	50.08	ug/l	-0.01
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	6.92	113	505705	50.40	ug/l	-0.01
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.42	98	993752	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	
62) 4-Bromofluorobenzene	13.56	95	454352	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	458255	48.240	ug/l	92
3) Chloromethane	1.74	50	376728	40.701	ug/l	99
4) Vinyl Chloride	1.85	62	379714	52.328	ug/l	94
5) Bromomethane	2.15	94	196840	83.532	ug/l	95
6) Chloroethane	2.27	64	191496	56.276	ug/l	94
7) Trichlorofluoromethane	2.53	101	825522	53.833	ug/l	99
8) Diethyl Ether	2.87	74	114575	58.243	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	471159	52.029	ug/l	96
10) Methyl Iodide	3.30	142	642400	62.519	ug/l	94
11) Tert butyl alcohol	4.08	59	109811	268.080	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	334720	52.250	ug/l	97
13) Acrolein	3.03	56	50634	283.697	ug/l	92
14) Allyl chloride	3.62	41	553799	55.342	ug/l	98
15) Acrylonitrile	4.20	53	270445	276.186	ug/l	93
16) Acetone	3.22	43	504805	267.528	ug/l	97
17) Carbon Disulfide	3.37	76	1048180	50.336	ug/l	100
18) Methyl Acetate	3.64	43	138278	44.899	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	852913	54.961	ug/l	99
20) Methylene Chloride	3.81	84	355483	50.893	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	406519	55.918	ug/l	92
22) Diisopropyl ether	5.13	45	1070174	52.349	ug/l	97
23) Vinyl Acetate	5.05	43	3470446	279.932	ug/l	97
24) 1,1-Dichloroethane	4.98	63	710805	53.880	ug/l	98
25) 2-Butanone	6.08	43	475677	267.670	ug/l	95
26) 2,2-Dichloropropane	6.03	77	807962	55.206	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	393491	52.656	ug/l	97
28) Bromochloromethane	6.44	49	231708	50.829	ug/l	99
29) Tetrahydrofuran	6.47	42	212497	266.940	ug/l	97
30) Chloroform	6.67	83	908239	57.133	ug/l	93
31) Cyclohexane	6.95	56	486847	54.583	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	953902	57.658	ug/l	97
36) 1,1-Dichloropropene	7.15	75	585589	53.421	ug/l	97
37) Ethyl Acetate	6.18	43	228073	49.351	ug/l	96
38) Carbon Tetrachloride	7.11	117	1038583	63.638	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	488819	52.670	ug/l	98
40) Benzene	7.45	78	1159113	53.876	ug/l	97
41) Methacrylonitrile	6.45	41	288539	53.057	ug/l	98
42) 1,2-Dichloroethane	7.58	62	689654	57.547	ug/l	96
43) Isopropyl Acetate	9.25	43	327619	56.959	ug/l #	95
44) Trichloroethene	8.55	130	481432	56.012	ug/l	98
45) 1,2-Dichloropropane	8.94	63	283994	53.841	ug/l	98
46) Dibromomethane	9.06	93	247842	55.940	ug/l	93
47) Bromodichloromethane	9.37	83	680226	55.722	ug/l	99
48) Methyl methacrylate	9.12	41	215413	56.230	ug/l	94
49) 1,4-Dioxane	9.10	88	38865	1249.009	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	1085231	270.437	ug/l	96
52) Toluene	10.51	92	810071	55.206	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	574436	55.695	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	609635	56.853	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	261697	54.316	ug/l	96
56) Ethyl methacrylate	11.05	69	286727	55.835	ug/l	98
57) 1,3-Dichloropropane	11.41	76	410235	55.233	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	693936	263.480	ug/l	98
59) 2-Hexanone	11.54	43	803730	285.545	ug/l	99
60) Dibromochloromethane	11.69	129	535445	57.188	ug/l	99
61) 1,2-Dibromoethane	11.81	107	333573	57.553	ug/l	100
64) Tetrachloroethene	11.26	164	408622	50.261	ug/l	95
65) Chlorobenzene	12.41	112	992735	55.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	459233	54.198	ug/l	94
67) Ethyl Benzene	12.52	91	1720111	52.401	ug/l	100
68) m/p-Xylenes	12.67	106	1282599	112.950	ug/l	99
69) o-Xylene	13.06	106	559724	51.671	ug/l	94
70) Styrene	13.08	104	956990	52.031	ug/l	97
71) Bromoform	13.23	173	327147	55.000	ug/l #	90
73) Isopropylbenzene	13.40	105	1765272	49.783	ug/l	96
74) N-amyl acetate	13.26	43	459377	50.809	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	287528	51.128	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	339145	52.557	ug/l	99
77) Bromobenzene	13.68	156	513459	52.813	ug/l	98
78) n-propylbenzene	13.77	91	2263659	55.384	ug/l	98
79) 2-Chlorotoluene	13.84	91	1288095	54.352	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1622867	53.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	96771	52.337	ug/l	88
82) 4-Chlorotoluene	13.95	91	1535432	54.118	ug/l	98
83) tert-Butylbenzene	14.19	119	1741255	51.502	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1545294	50.050	ug/l	97
85) sec-Butylbenzene	14.36	105	1785399	49.850	ug/l	96
86) p-Isopropyltoluene	14.49	119	1827141	54.604	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	919114	54.537	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	864838	51.208	ug/l	97
89) n-Butylbenzene	14.80	91	1651566	55.290	ug/l	97
90) Hexachloroethane	15.01	117	462462	52.094	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	773104	54.531	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	58988	50.586	ug/l	94

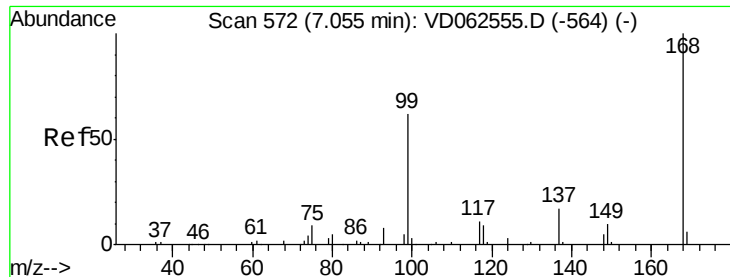
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	578191	51.004	ug/l	99
94) Hexachlorobutadiene	16.04	225	464999	55.565	ug/l	98
95) Naphthalene	16.13	128	796318	51.581	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	440087	51.971	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

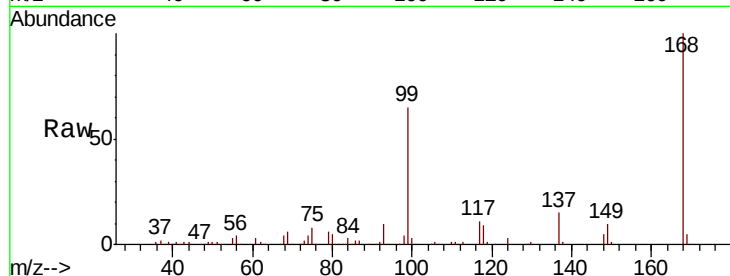
ClientSampleId :

Tot Ion:168 Resp: 819055

Ion Ratio Lower Upper

168 100

99 65.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

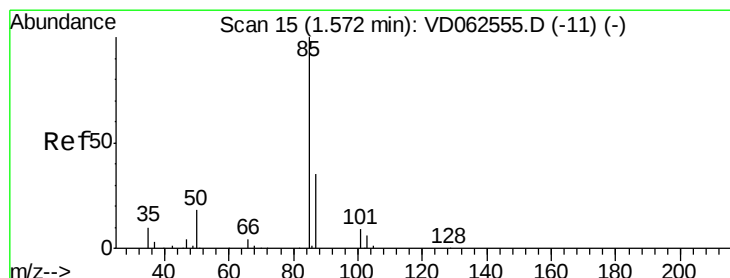
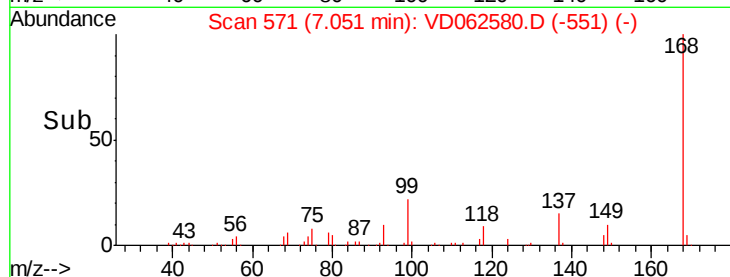
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 48.240 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062580.D

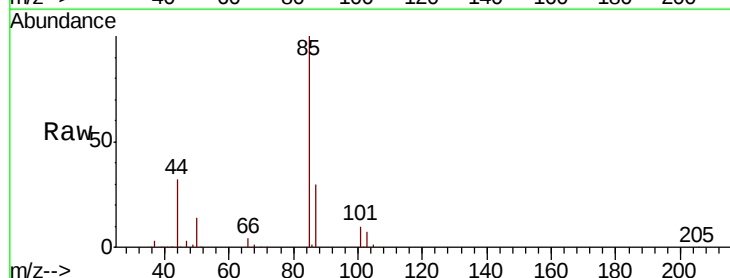
Acq: 3 Jun 2019 12:24

Tgt Ion: 85 Resp: 458255

Ion Ratio Lower Upper

85 100

87 30.2 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

250000

200000

150000

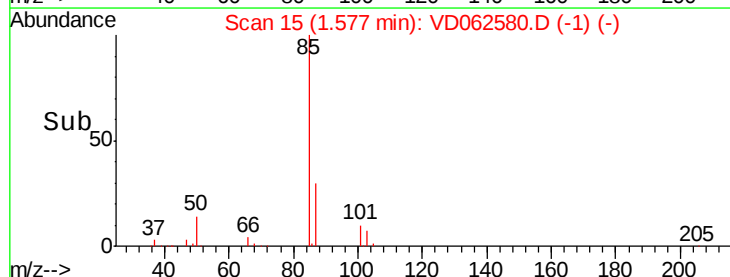
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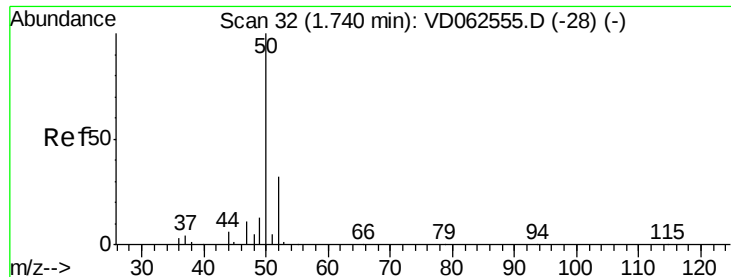
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 40.701 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

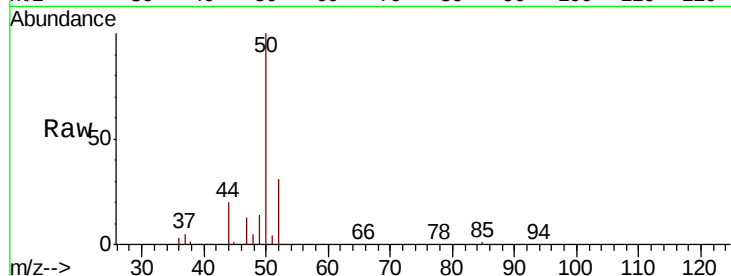
ClientSampleId :

Tot Ion: 50 Resp: 376728

Ion Ratio Lower Upper

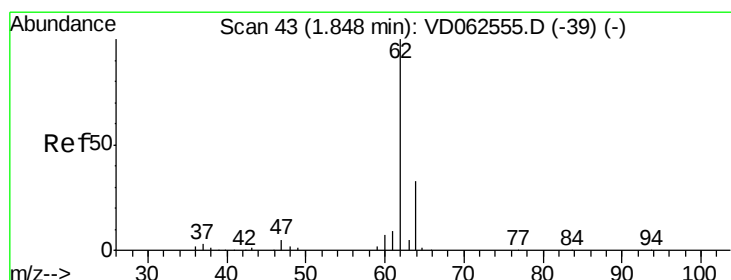
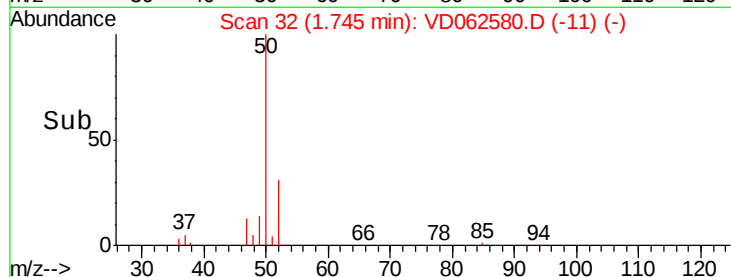
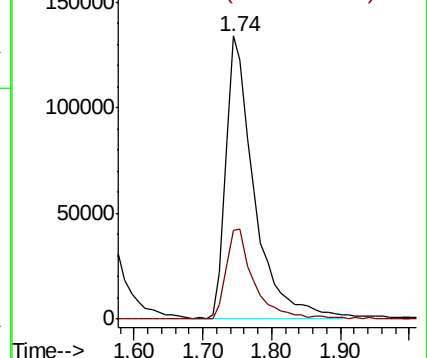
50 100

52 31.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.328 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062580.D

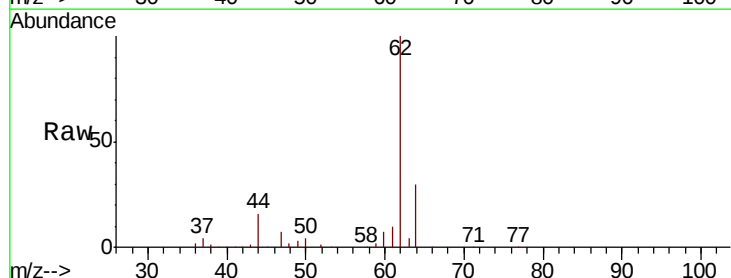
Acq: 3 Jun 2019 12:24

Tgt Ion: 62 Resp: 379714

Ion Ratio Lower Upper

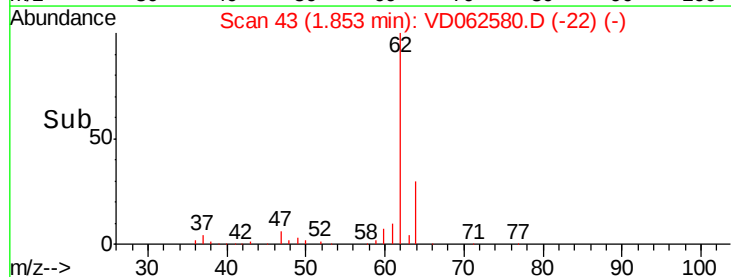
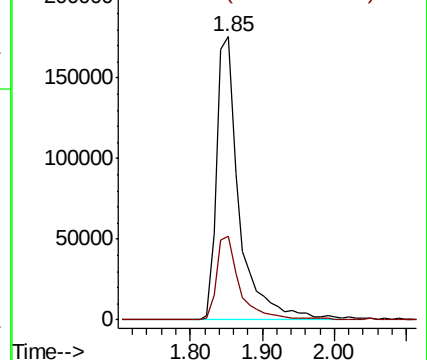
62 100

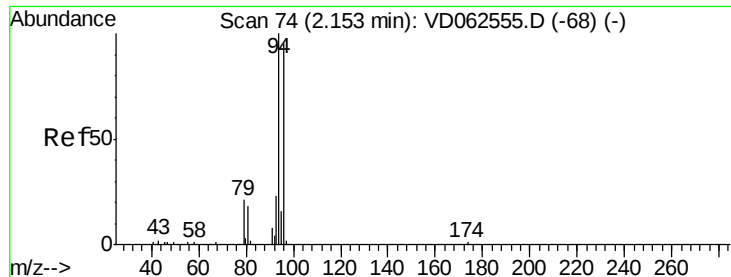
64 29.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 83.532 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

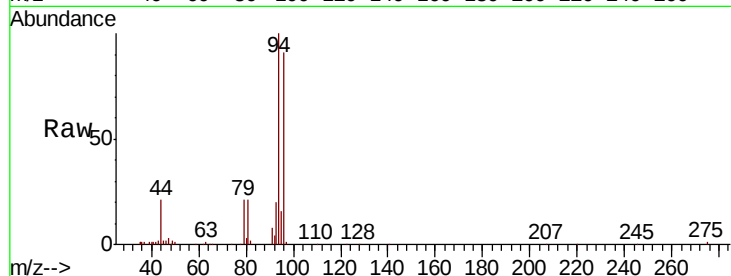
Tot Ion: 94 Resp: 196840

Ion Ratio Lower Upper

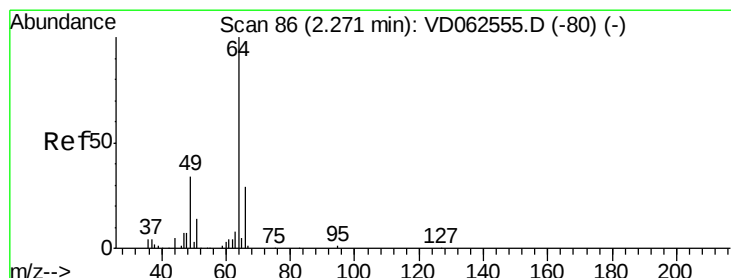
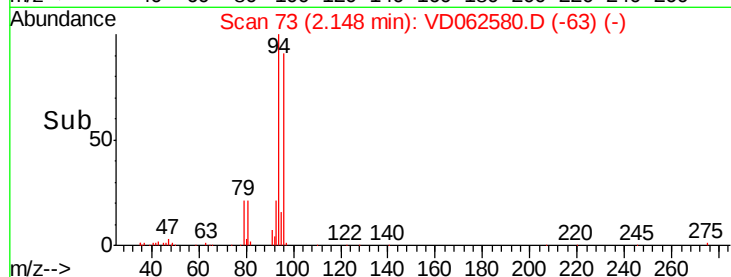
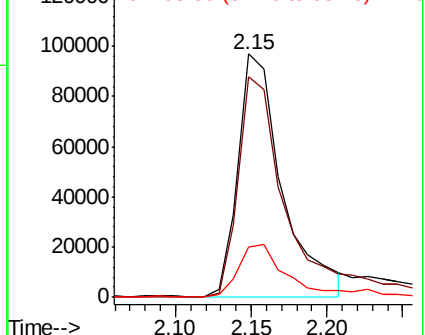
94 100

96 90.6 76.2 114.4

93 20.5 18.4 27.6



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



#6

Chloroethane

Concen: 56.276 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062580.D

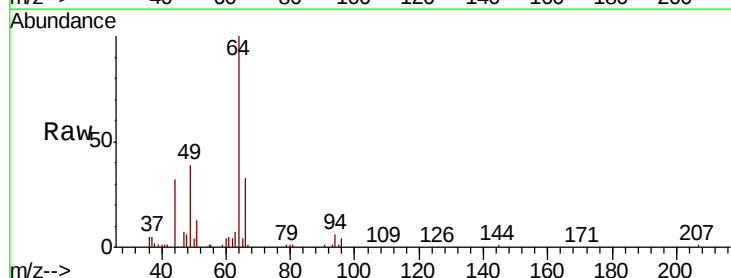
Acq: 3 Jun 2019 12:24

Tgt Ion: 64 Resp: 191496

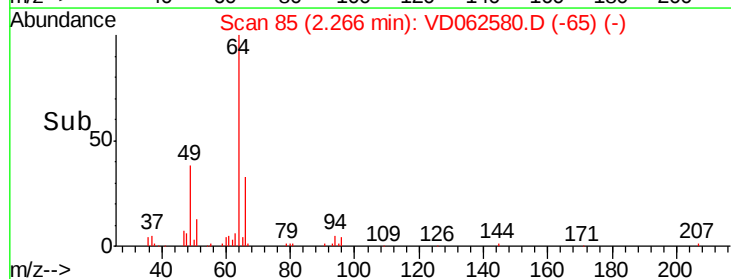
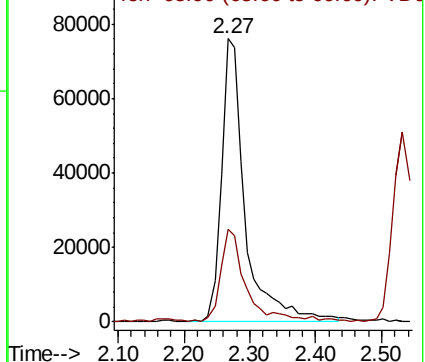
Ion Ratio Lower Upper

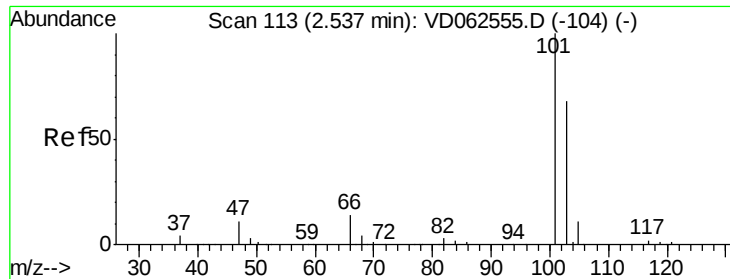
64 100

66 32.6 23.4 35.2



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



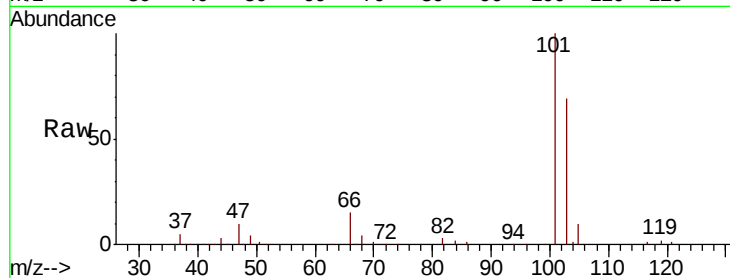


#7

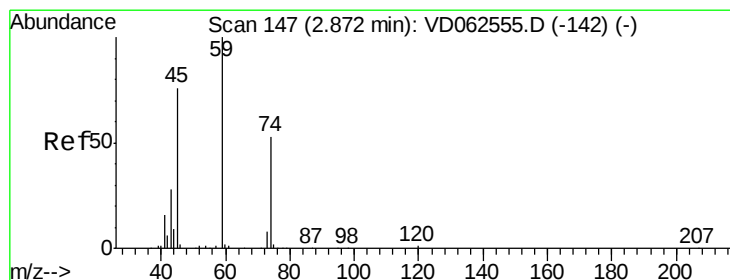
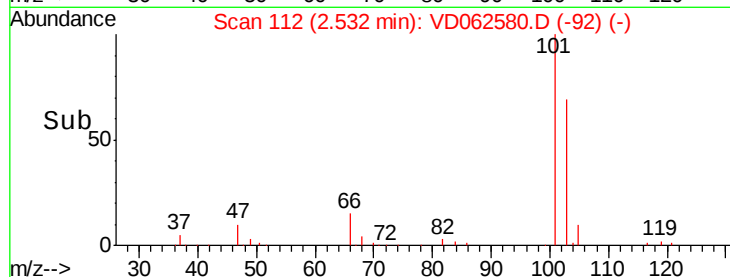
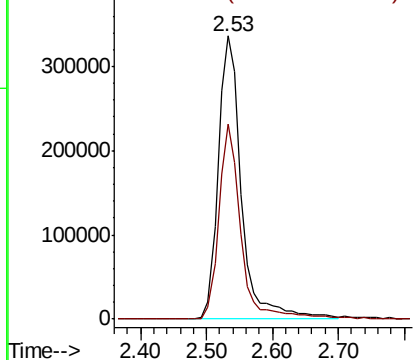
Trichlorofluoromethane
Concen: 53.833 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 825522
Ion Ratio Lower Upper
101 100
103 68.9 54.3 81.5



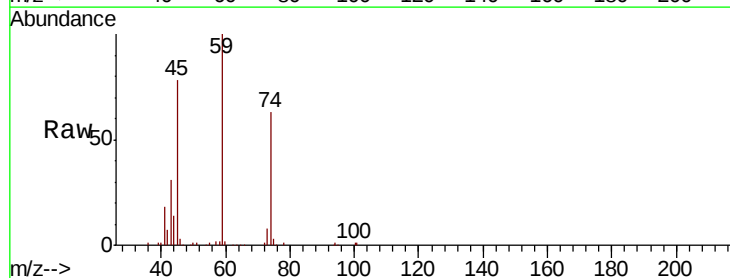
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



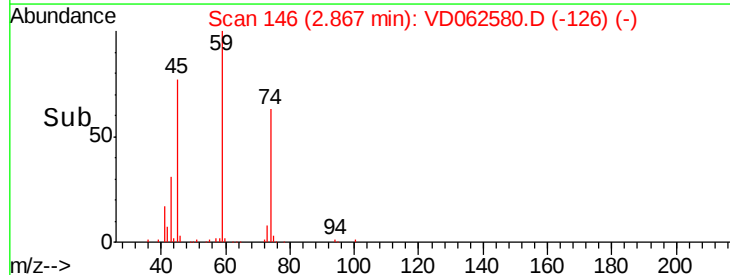
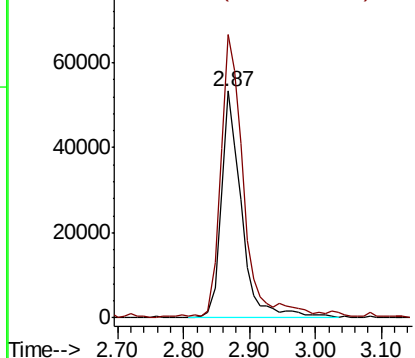
#8

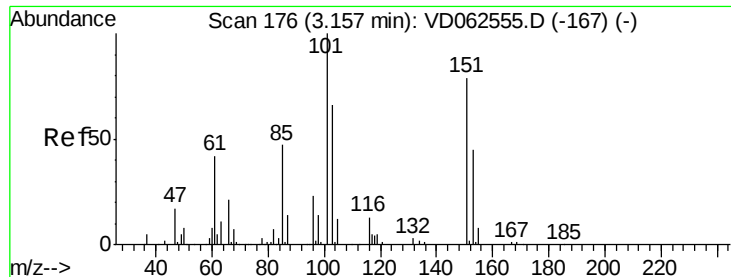
Diethyl Ether
Concen: 58.243 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 74 Resp: 114575
Ion Ratio Lower Upper
74 100
45 124.7 71.9 215.7



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: 52.029 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampled :

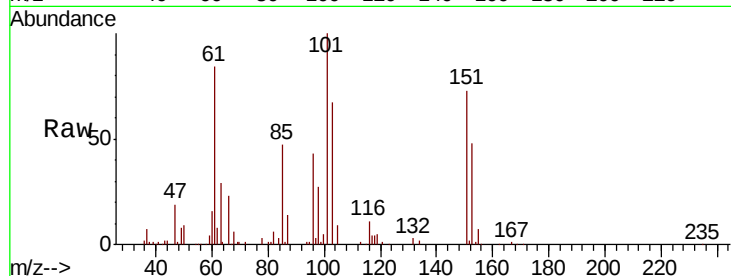
Tot Ion:101 Resp: 471159

Ion Ratio Lower Upper

101 100

85 46.9 37.6 56.4

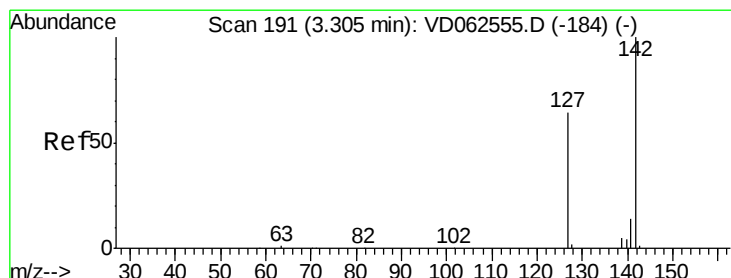
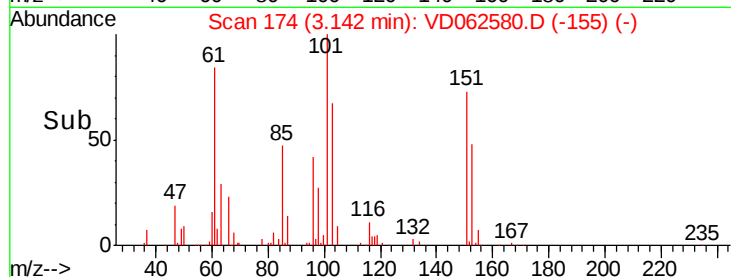
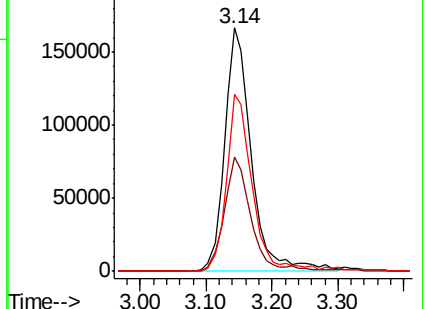
151 73.0 63.0 94.4



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: 62.519 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

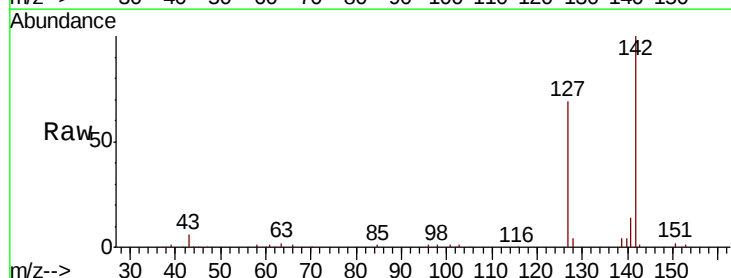
Tgt Ion:142 Resp: 642400

Ion Ratio Lower Upper

142 100

127 69.3 51.2 76.8

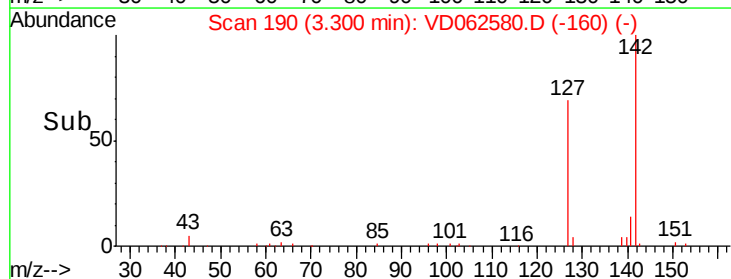
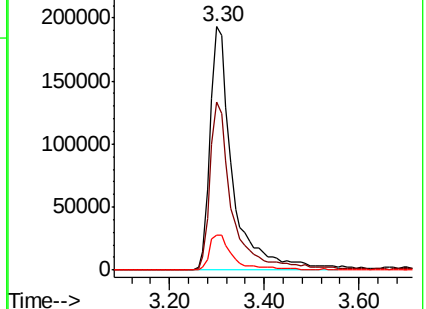
141 14.4 11.0 16.4

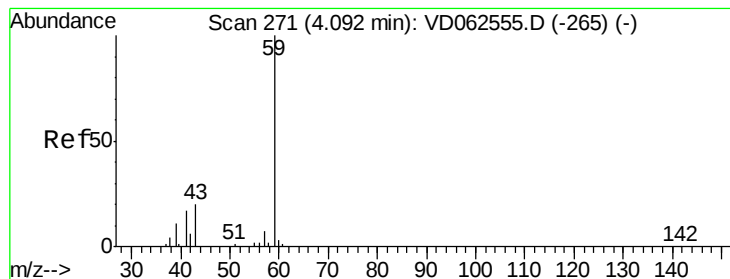


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



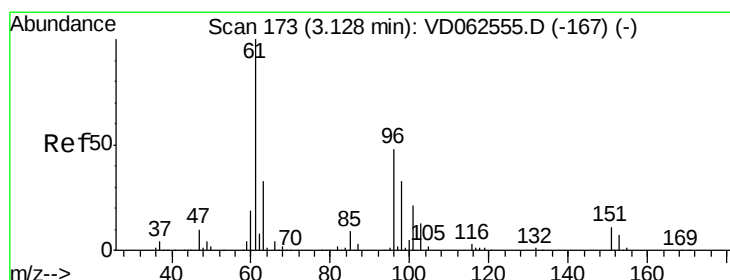
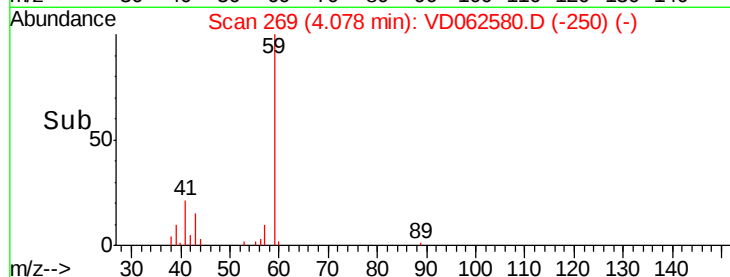
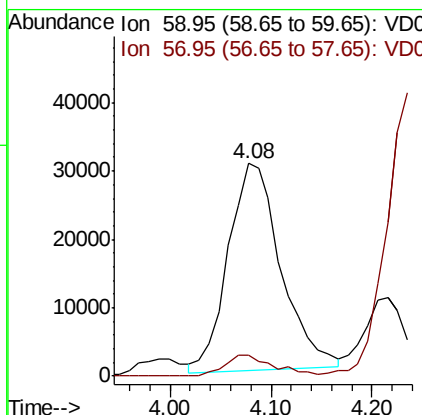
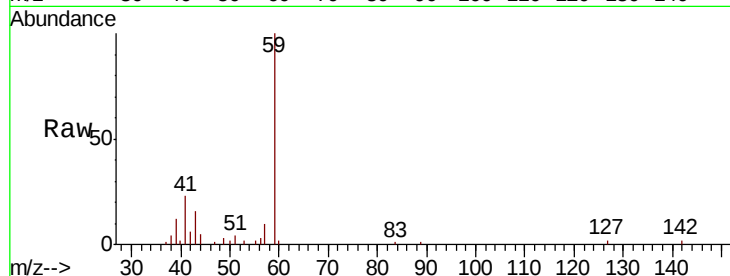


#11

Tert butyl alcohol
 Concen: 268.080 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :

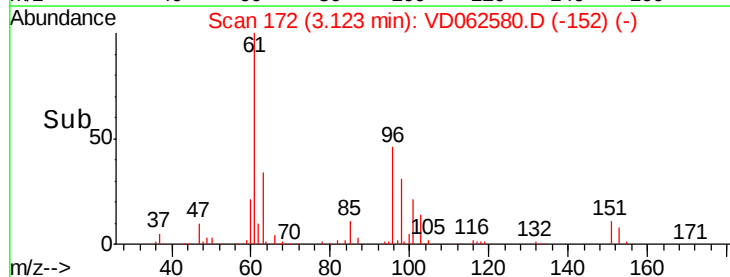
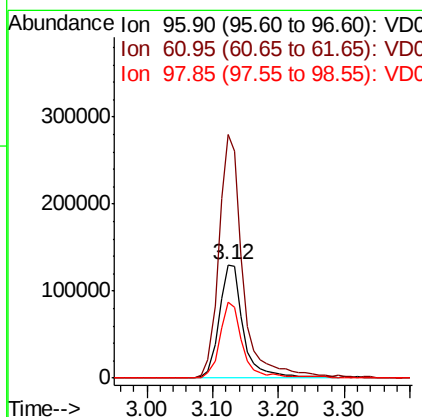
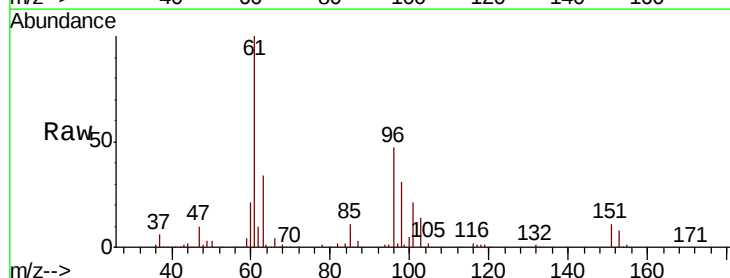
Tot Ion: 59 Resp: 109811
 Ion Ratio Lower Upper
 59 100
 57 10.1 5.4 8.0#

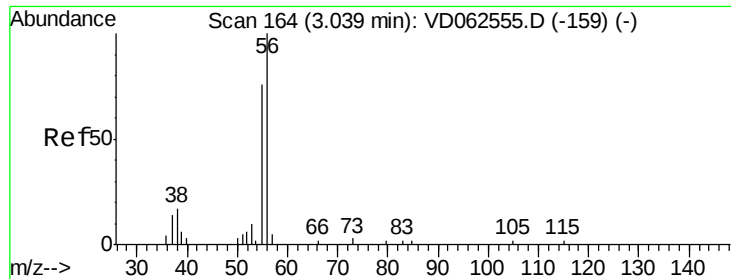


#12

1,1-Dichloroethene
 Concen: 52.250 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 96 Resp: 334720
 Ion Ratio Lower Upper
 96 100
 61 214.6 166.6 250.0
 98 66.8 54.4 81.6

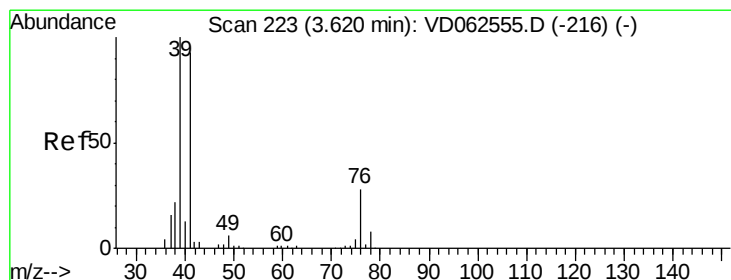
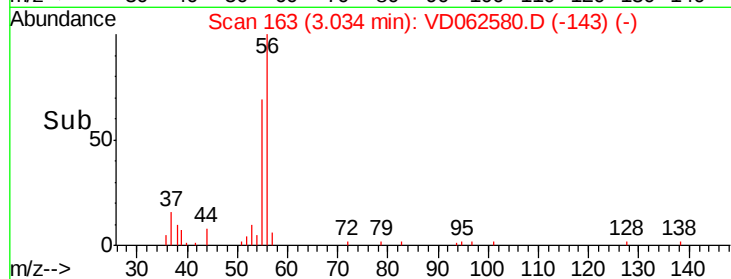
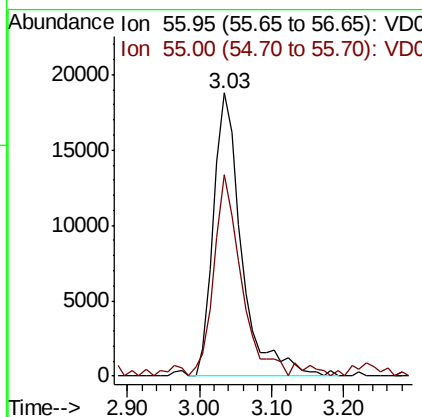
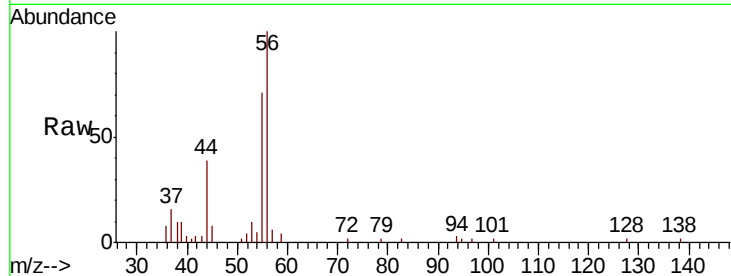




#13
Acrolein
Concen: 283.697 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

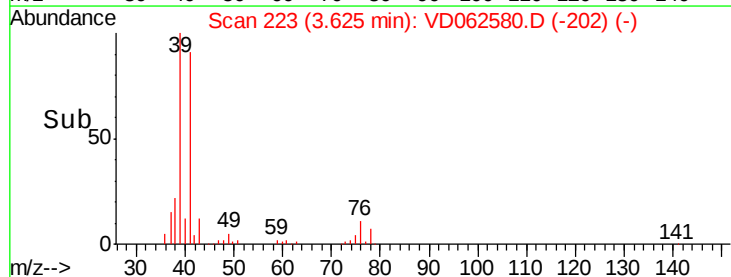
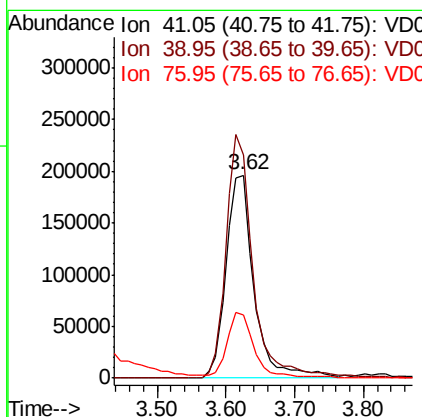
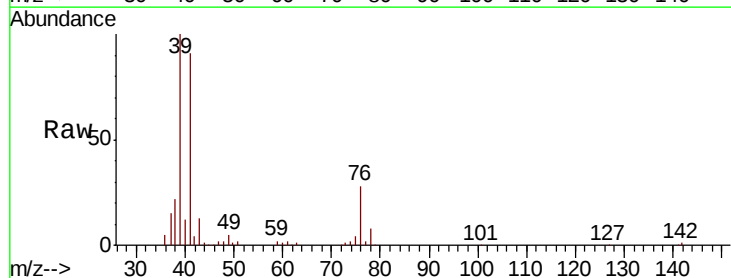
Instrument :
MSVOA_D
ClientSampleId :

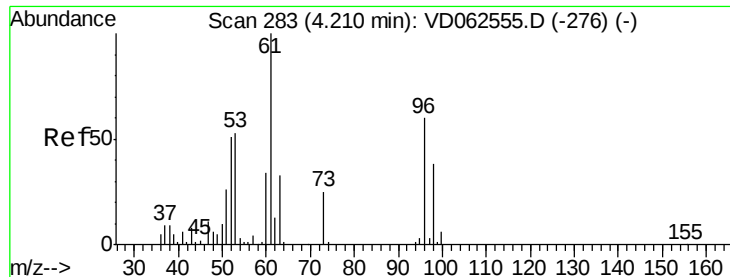
Tot Ion: 56 Resp: 50634
Ion Ratio Lower Upper
56 100
55 71.1 62.6 93.8



#14
Allyl chloride
Concen: 55.342 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 41 Resp: 553799
Ion Ratio Lower Upper
41 100
39 110.0 86.3 129.5
76 30.8 25.5 38.3





#15

Acrylonitrile

Concen: 276.186 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

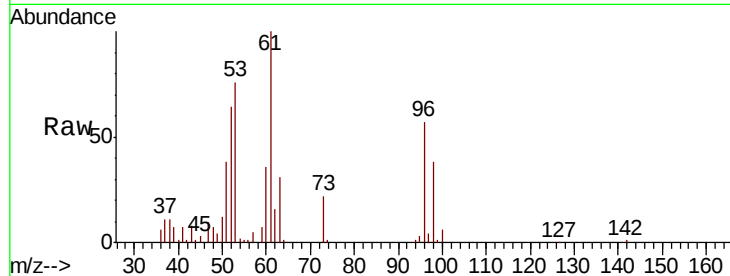
Tot Ion: 53 Resp: 270445

Ion Ratio Lower Upper

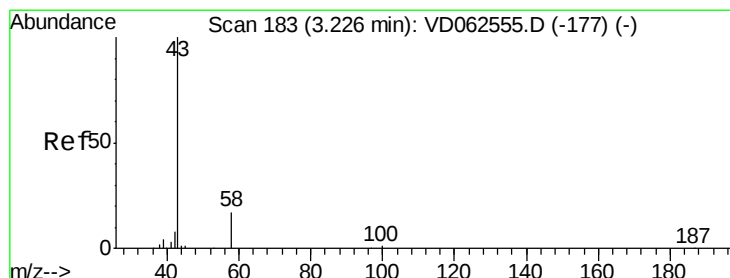
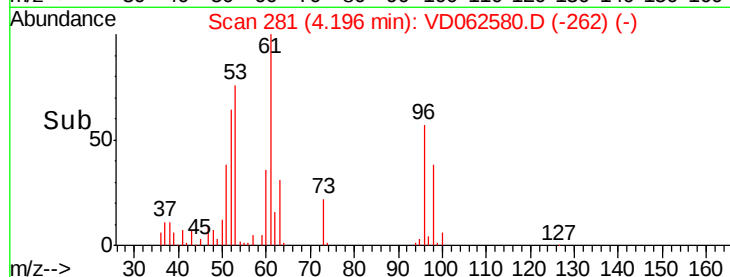
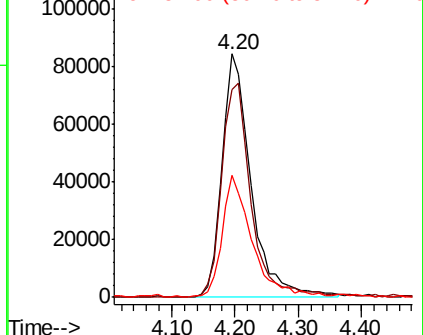
53 100

52 85.3 76.2 114.2

51 50.1 40.2 60.4



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: 267.528 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062580.D

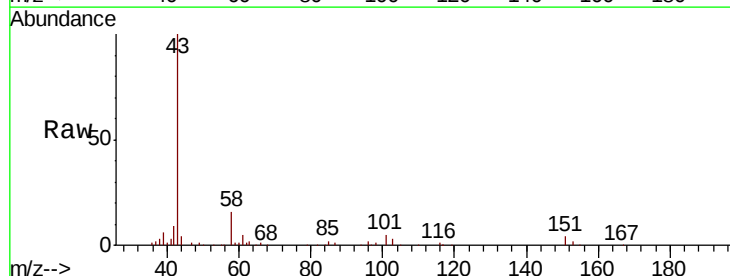
Acq: 3 Jun 2019 12:24

Tgt Ion: 43 Resp: 504805

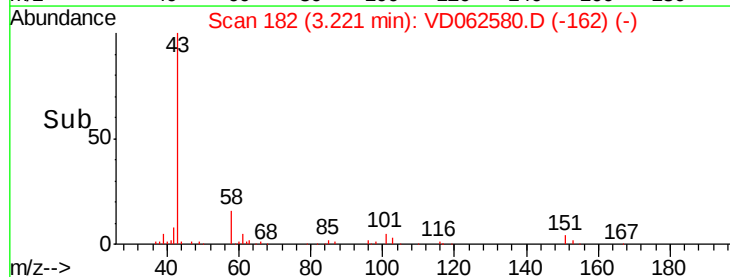
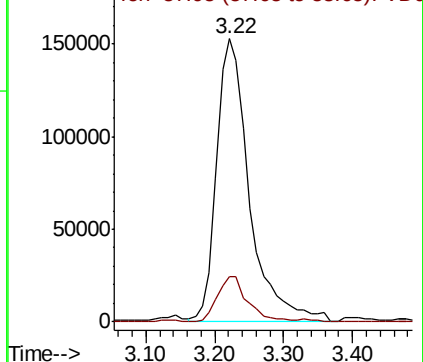
Ion Ratio Lower Upper

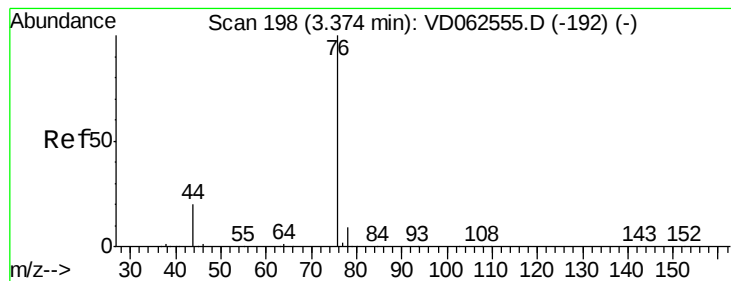
43 100

58 16.1 13.8 20.8



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





#17

Carbon Disulfide

Concen: 50.336 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

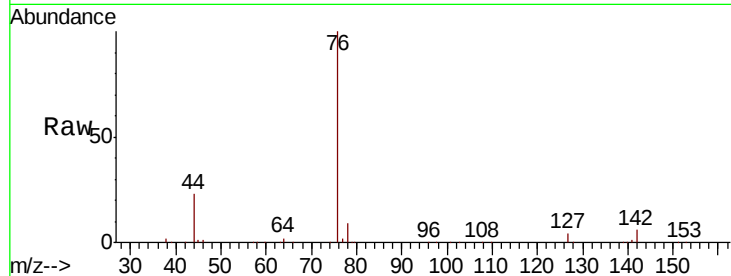
ClientSampleId :

Tot Ion: 76 Resp: 1048180

Ion Ratio Lower Upper

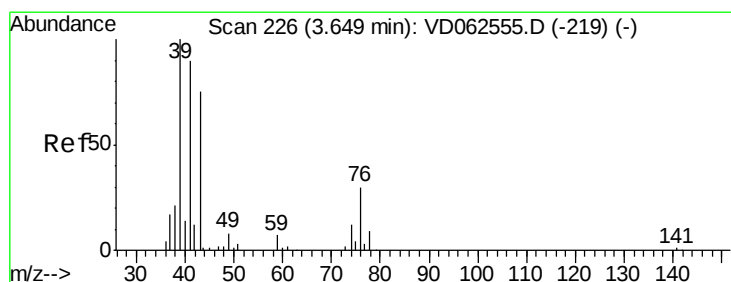
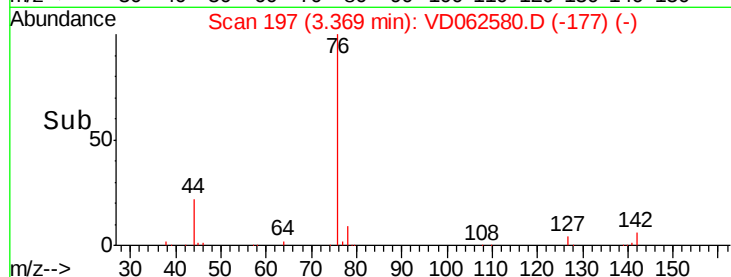
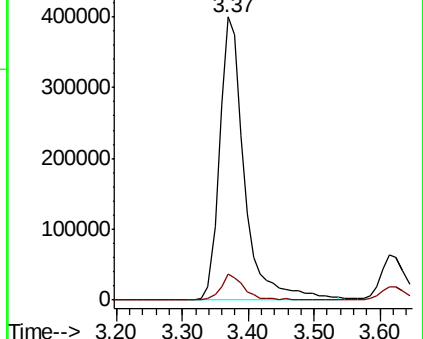
76 100

78 9.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 44.899 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062580.D

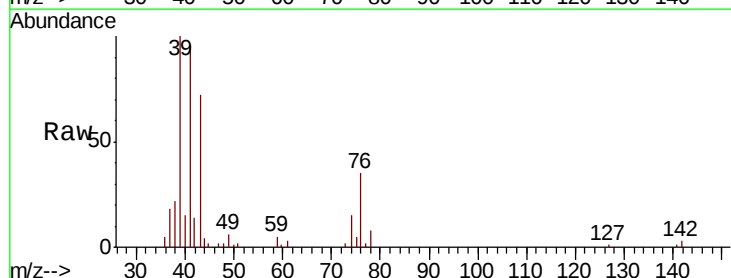
Acq: 3 Jun 2019 12:24

Tgt Ion: 43 Resp: 138278

Ion Ratio Lower Upper

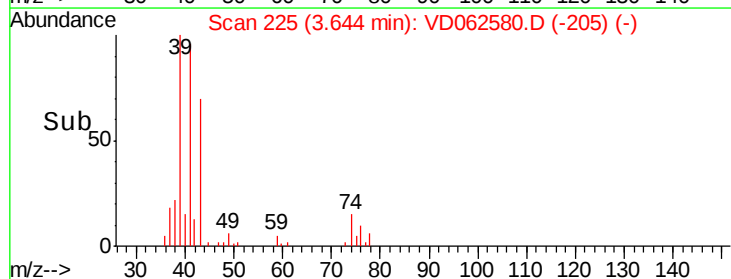
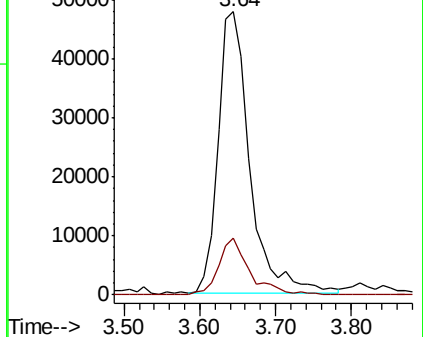
43 100

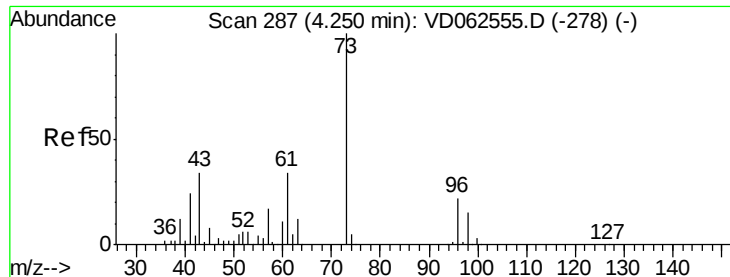
74 20.2 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

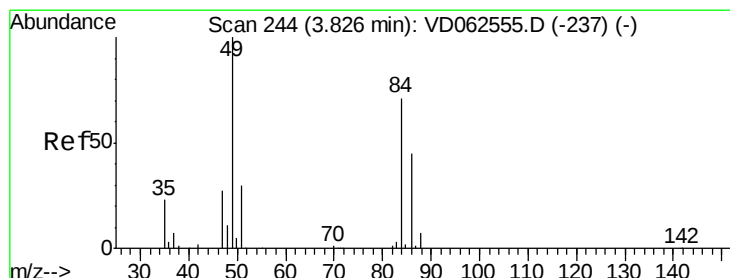
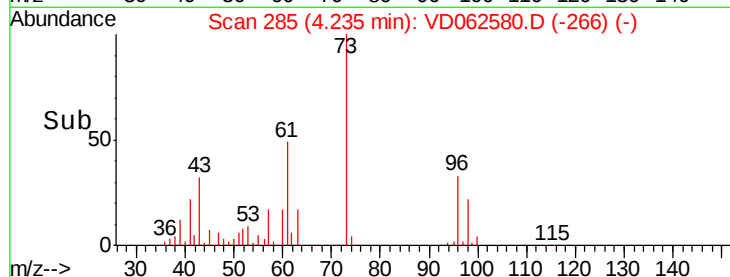
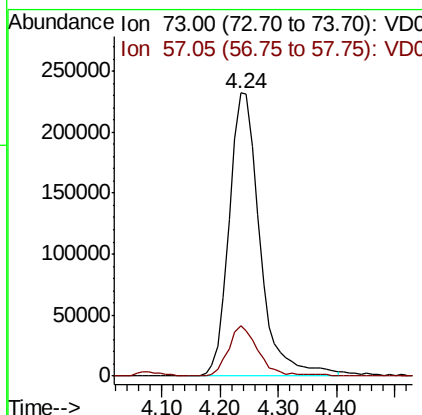
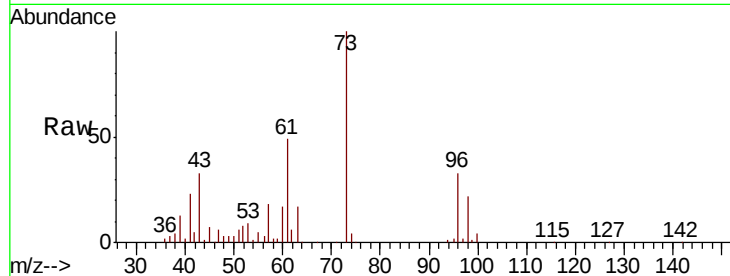




#19
Methyl tert-butyl Ether
Concen: 54.961 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

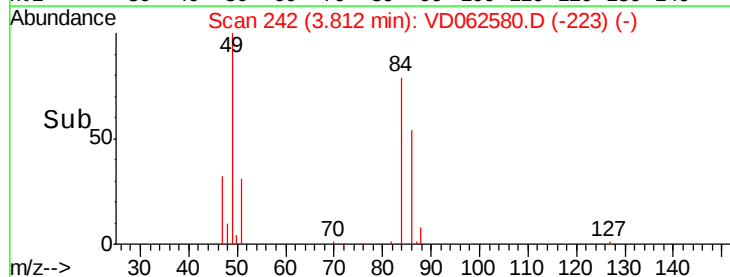
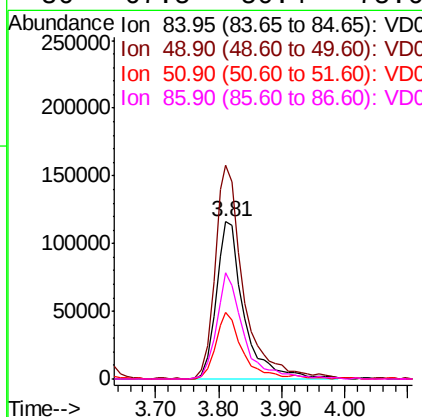
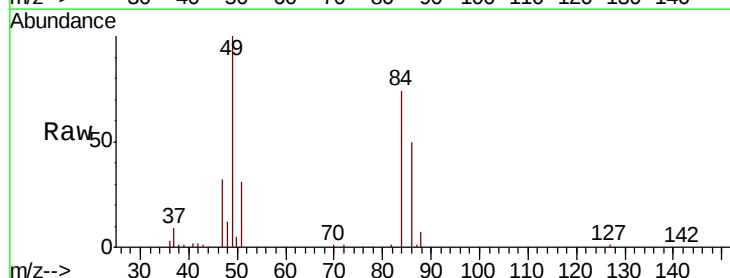
Instrument :
MSVOA_D
ClientSampled :

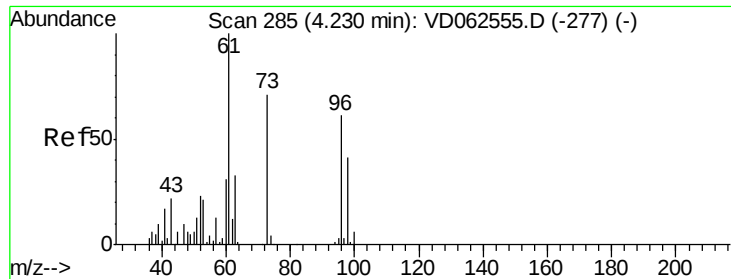
Tot Ion: 73 Resp: 852913
Ion Ratio Lower Upper
73 100
57 17.8 13.8 20.8



#20
Methylene Chloride
Concen: 50.893 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 84 Resp: 355483
Ion Ratio Lower Upper
84 100
49 135.8 112.3 168.5
51 42.2 33.6 50.4
86 67.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 55.918 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

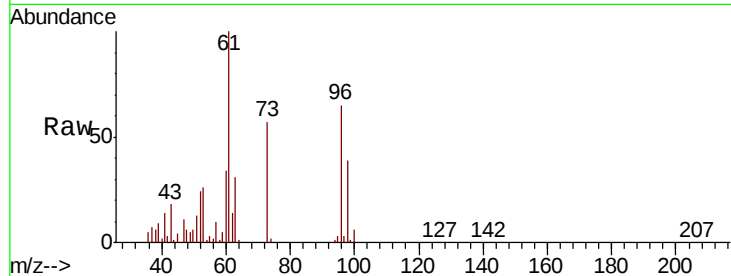
Tot Ion: 96 Resp: 406519

Ion Ratio Lower Upper

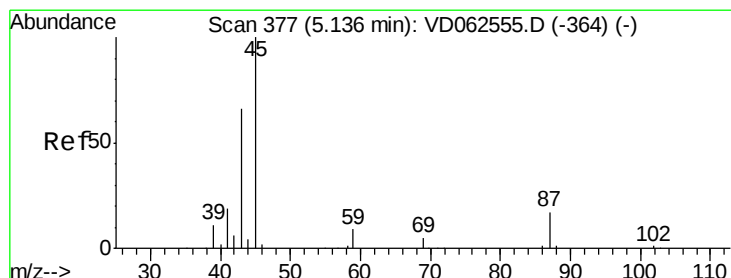
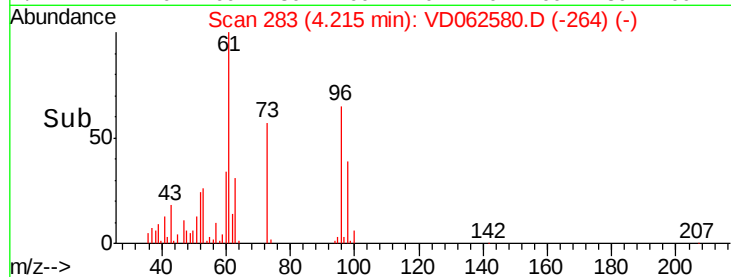
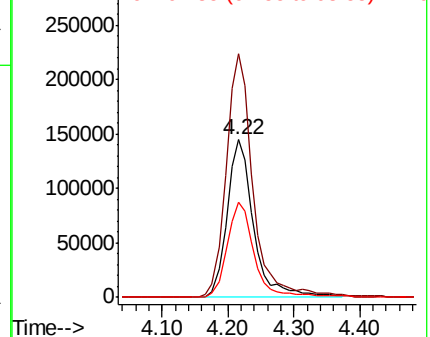
96 100

61 154.6 131.1 196.7

98 60.1 54.2 81.4



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



#22

Diisopropyl ether

Concen: 52.349 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion: 45 Resp: 1070174

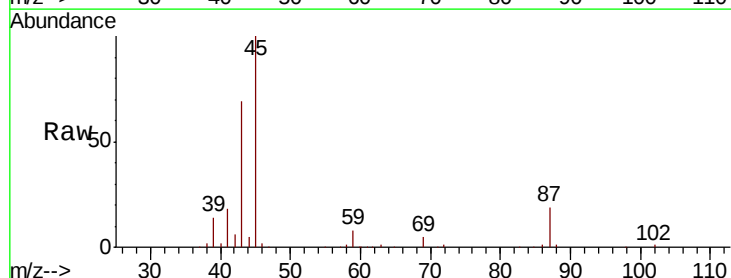
Ion Ratio Lower Upper

45 100

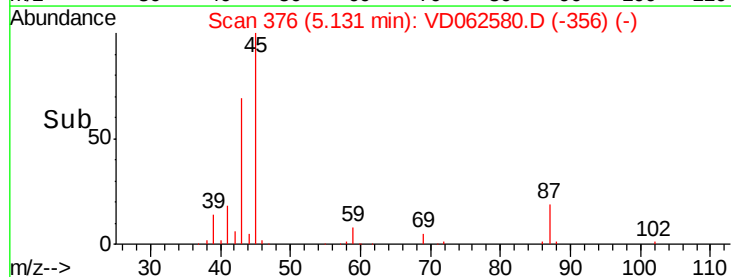
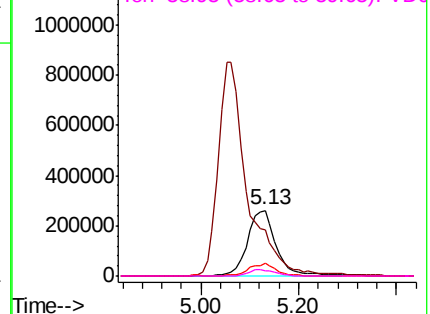
43 69.3 53.6 80.4

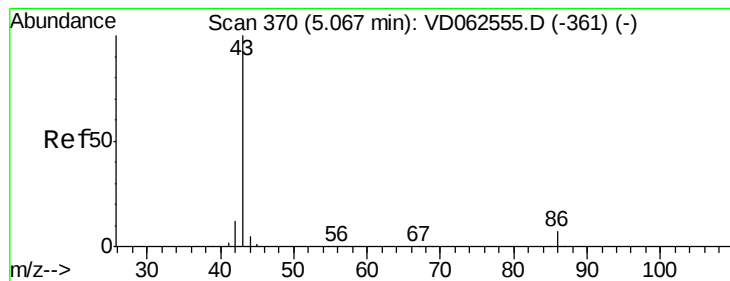
87 18.9 14.2 21.4

59 8.4 7.3 10.9



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





#23

Vinyl Acetate

Concen: 279.932 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

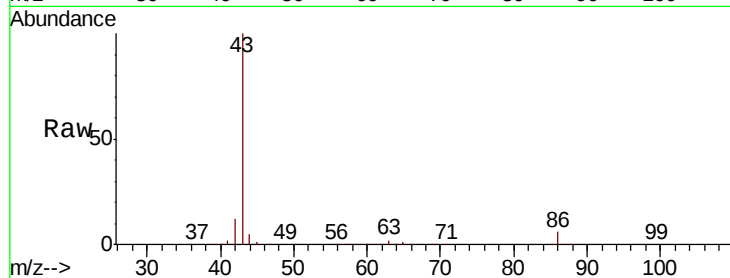
ClientSampleId :

Tot Ion: 43 Resp: 3470446

Ion Ratio Lower Upper

43 100

86 5.9 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-361) (-)

Ion 86.00 (85.70 to 86.70): VD062555.D (-361) (-)

5.05

800000

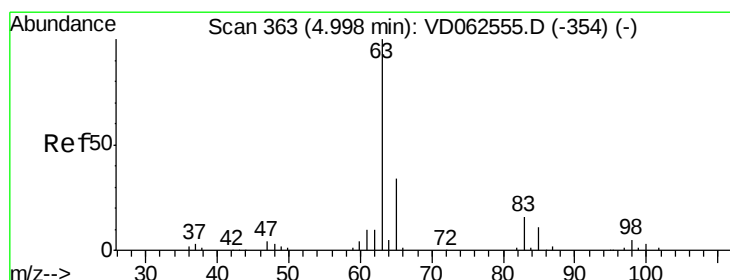
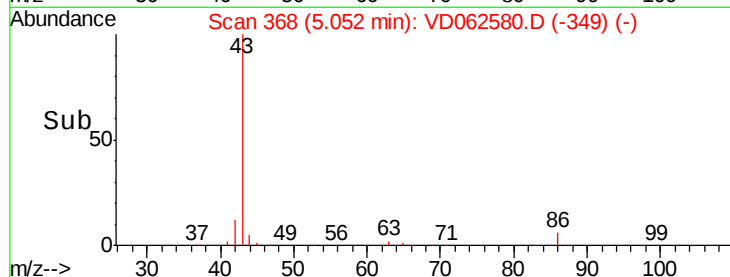
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.880 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

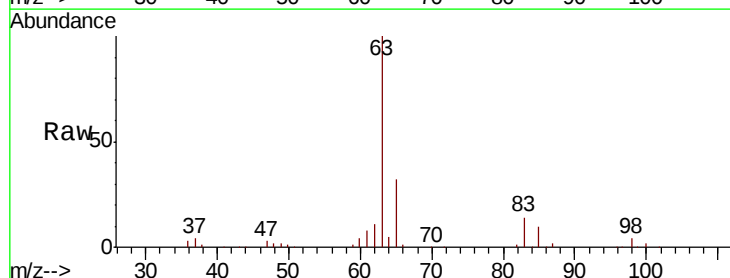
Tgt Ion: 63 Resp: 710805

Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.5

100 2.4 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VD062555.D (-354) (-)

Ion 97.95 (97.65 to 98.65): VD062555.D (-354) (-)

Ion 99.95 (99.65 to 100.65): VD062555.D (-354) (-)

4.98

250000

200000

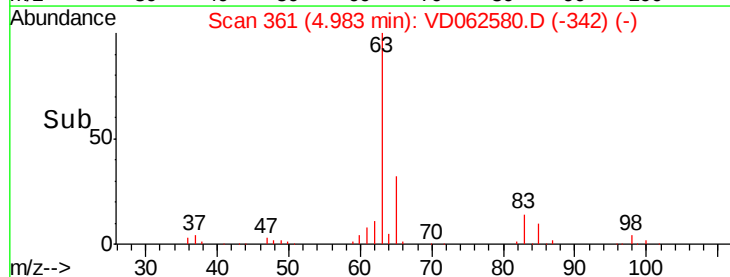
150000

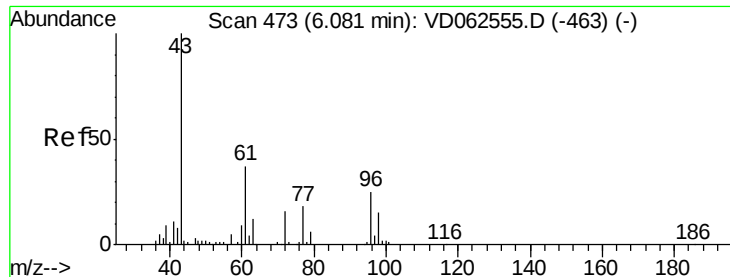
100000

50000

0

Time-->





#25

2-Butanone

Concen: 267.670 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

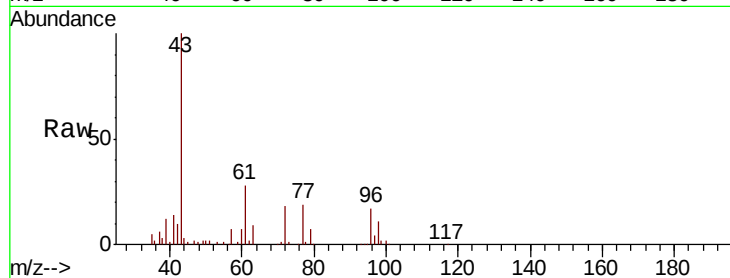
ClientSampleId :

Tot Ion: 43 Resp: 475677

Ion Ratio Lower Upper

43 100

72 18.2 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

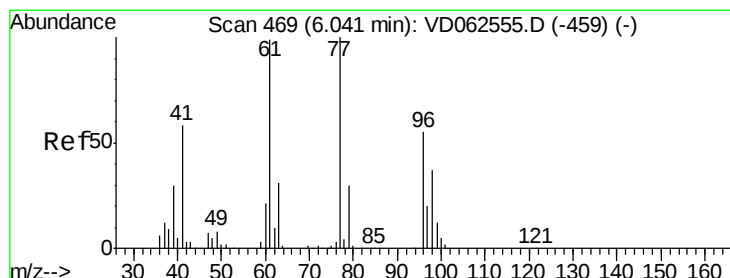
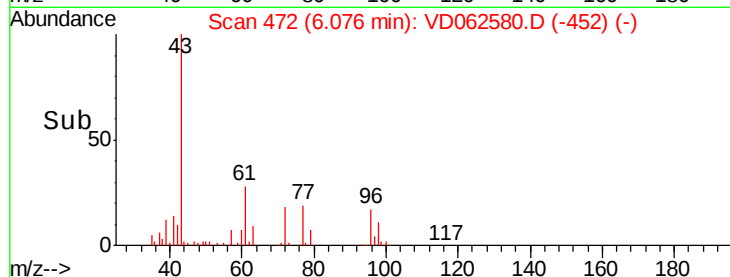
50000

0

6.08

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 55.206 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD062580.D

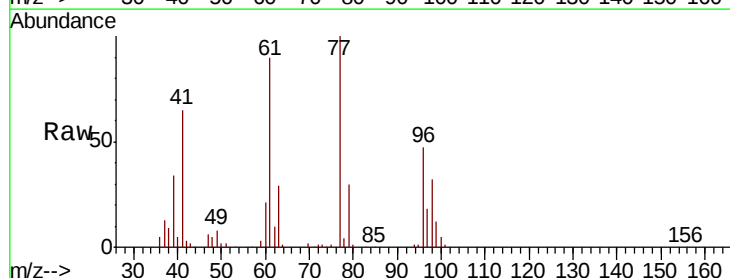
Acq: 3 Jun 2019 12:24

Tgt Ion: 77 Resp: 807962

Ion Ratio Lower Upper

77 100

97 18.1 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

250000

200000

150000

100000

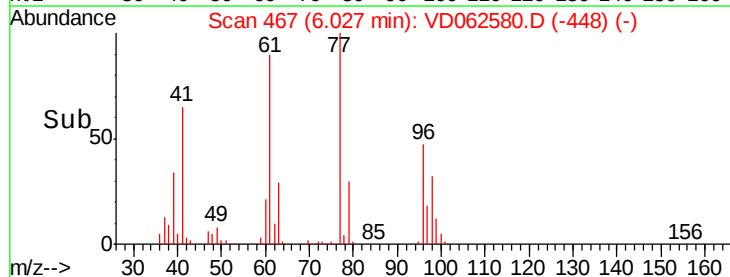
50000

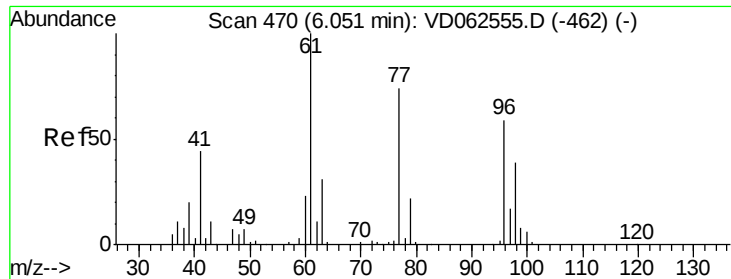
0

6.03

5.80 5.90 6.00 6.10 6.20

Time-->



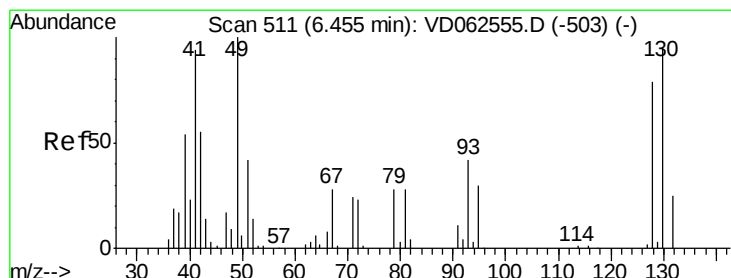
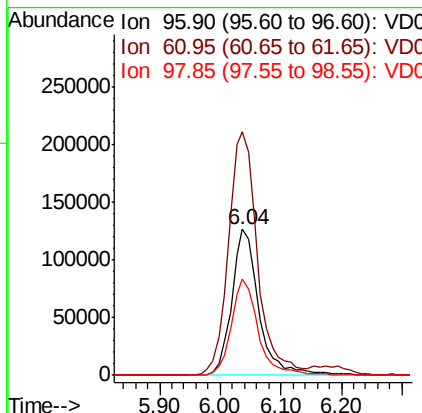
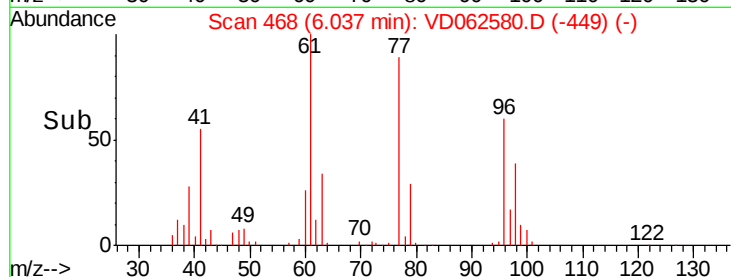
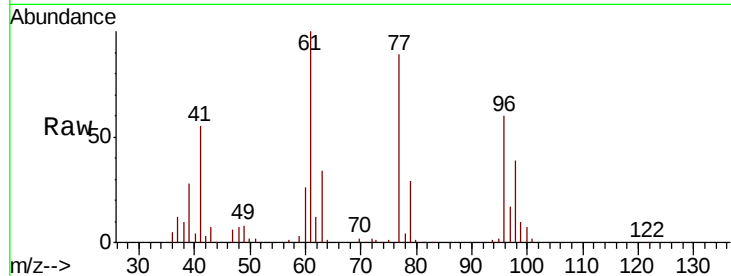


#27

cis-1,2-Dichloroethene
Concen: 52.656 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

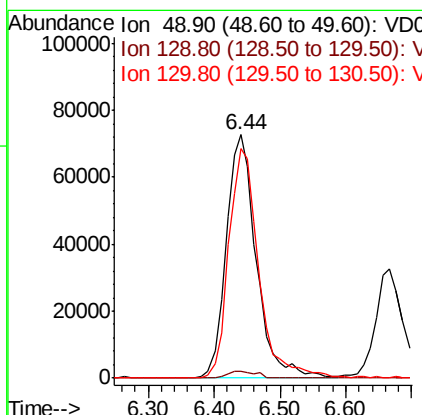
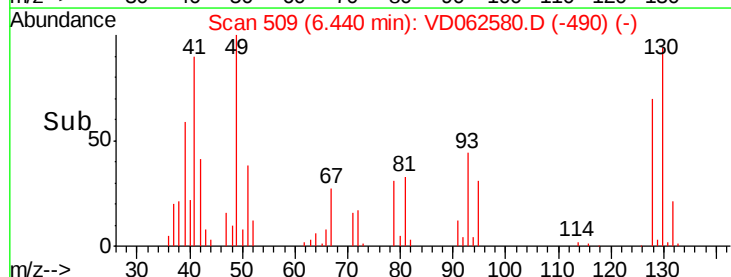
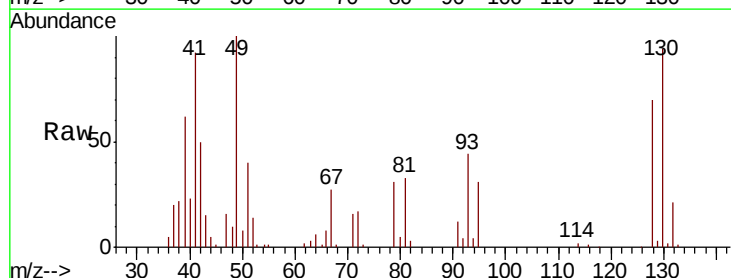
Tot Ion: 96 Resp: 393491
Ion Ratio Lower Upper
96 100
61 166.6 0.0 342.4
98 65.7 0.0 134.6

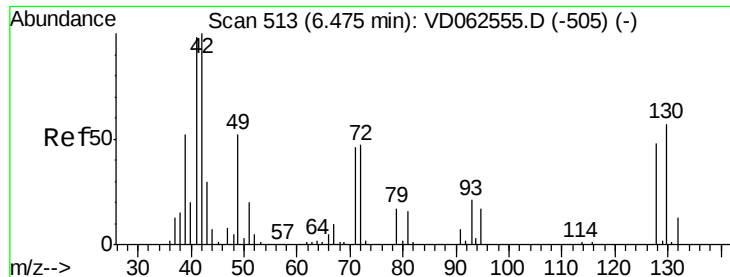


#28

Bromochloromethane
Concen: 50.829 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 49 Resp: 231708
Ion Ratio Lower Upper
49 100
129 3.0 0.0 5.6
130 94.2 75.8 113.8





#29

Tetrahydrofuran

Concen: 266.940 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

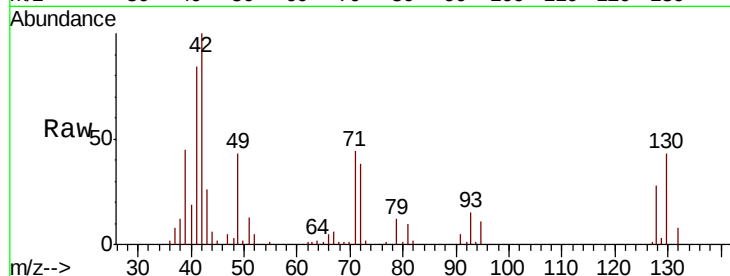
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 42 Resp: 212497

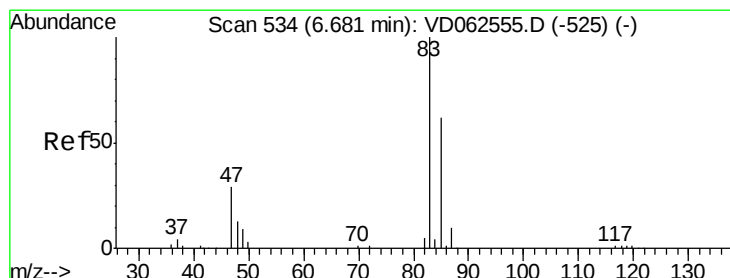
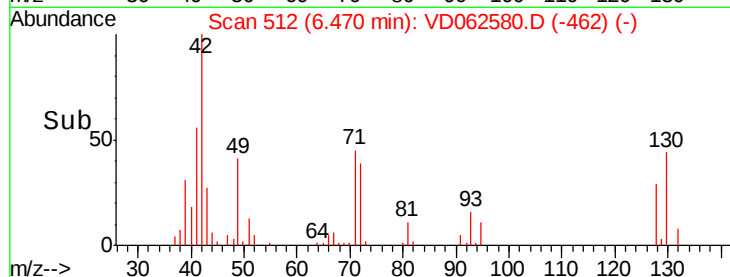
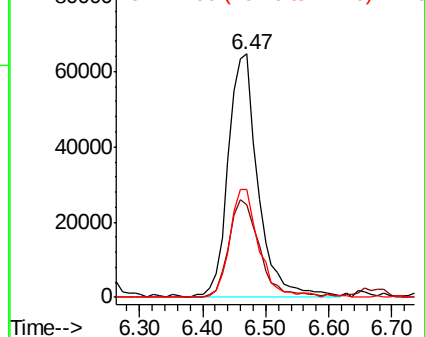
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.5	51.7
71	42.9	33.0	49.6



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: 57.133 ug/l

RT: 6.67 min Scan# 532

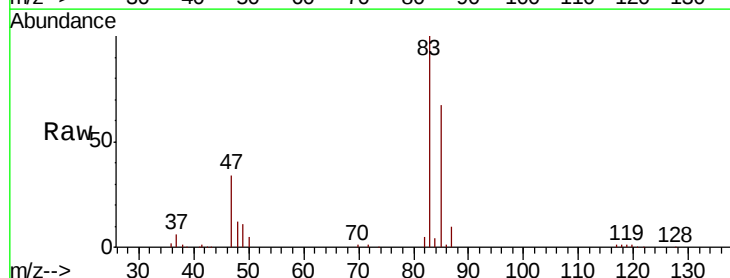
Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

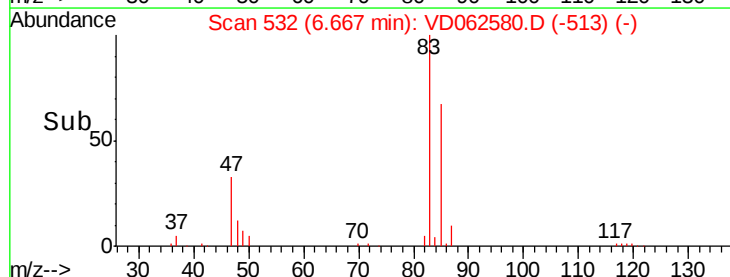
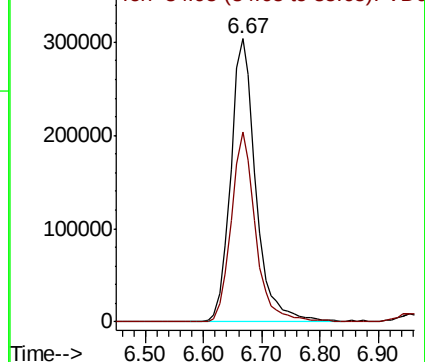
Tgt Ion: 83 Resp: 908239

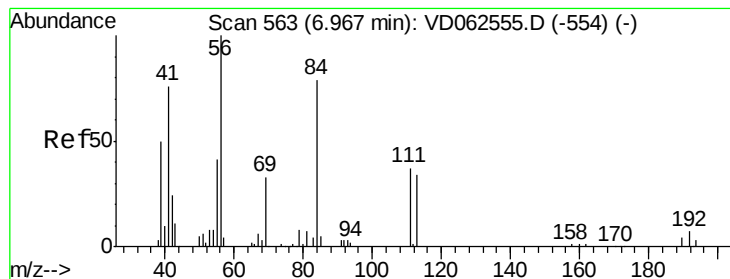
Ion	Ratio	Lower	Upper
83	100		
85	67.2	49.4	74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 54.583 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

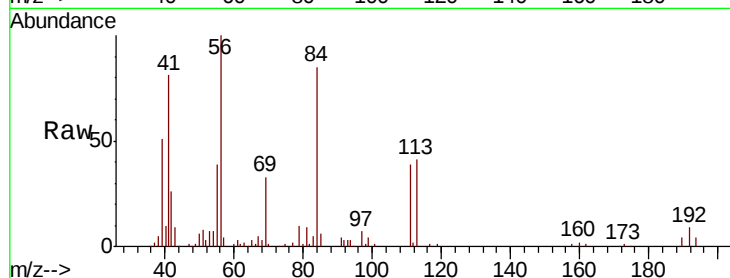
Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

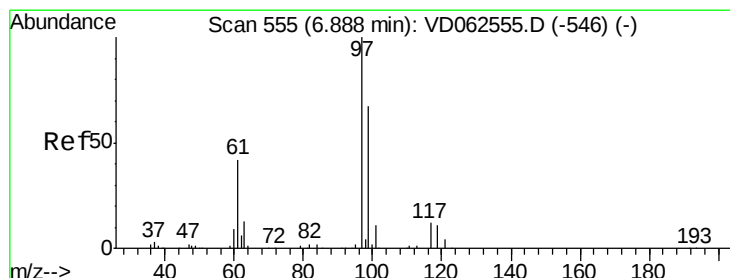
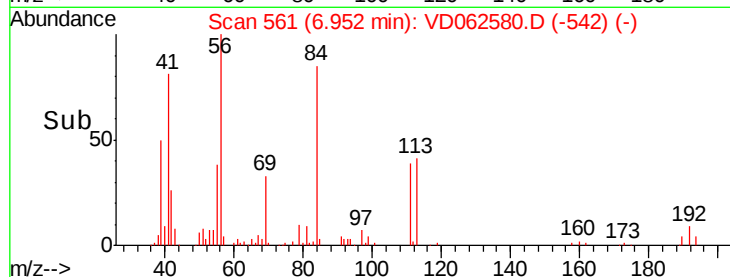
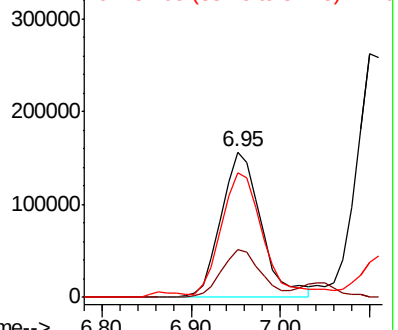
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 486847

Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.2
84	85.4	65.2	97.8



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



#32

1,1,1-Trichloroethane

Concen: 57.658 ug/l

RT: 6.87 min Scan# 553

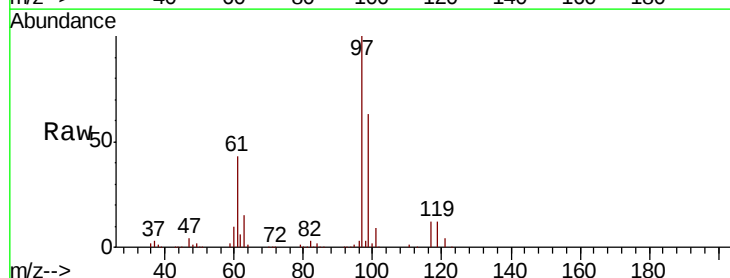
Delta R.T. -0.01 min

Lab File: VD062580.D

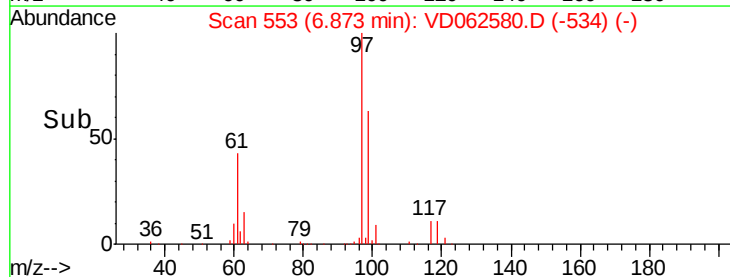
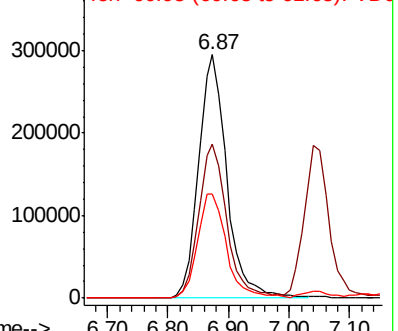
Acq: 3 Jun 2019 12:24

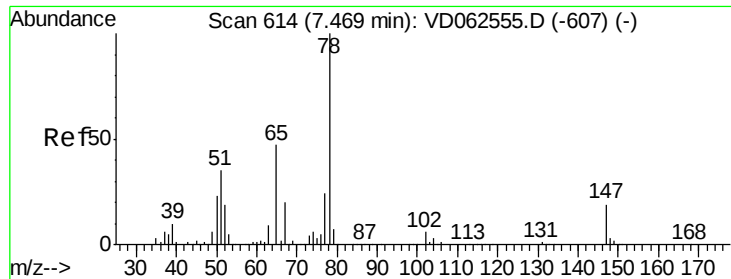
Tgt Ion: 97 Resp: 953902

Ion	Ratio	Lower	Upper
97	100		
99	63.4	53.6	80.4
61	42.8	33.9	50.9



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

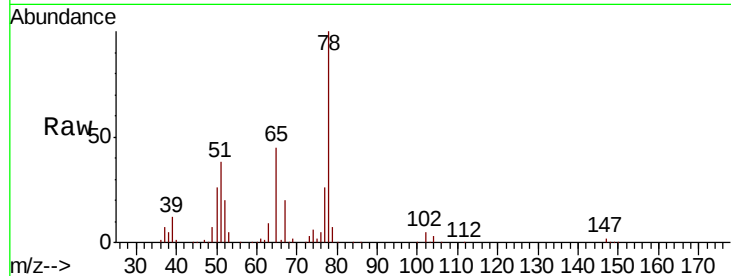




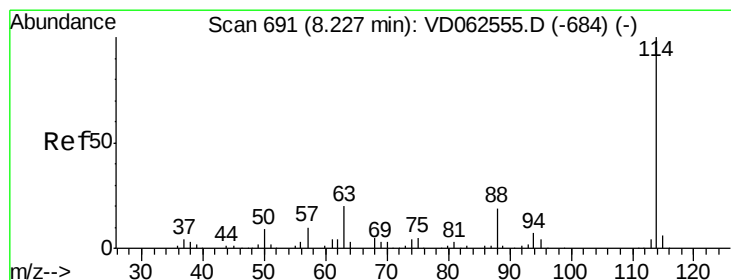
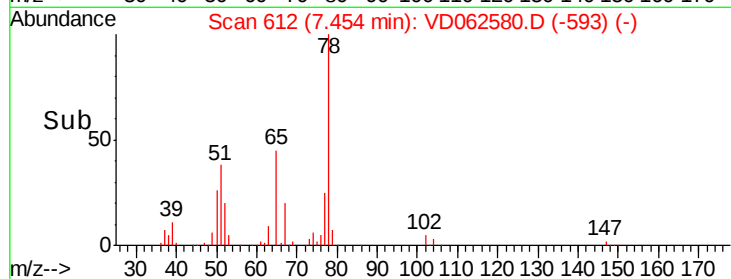
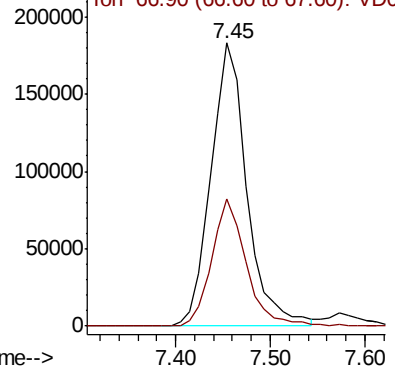
#33
 1,2-Dichloroethane-d4
 Concen: 50.082 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 480970
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 83.6

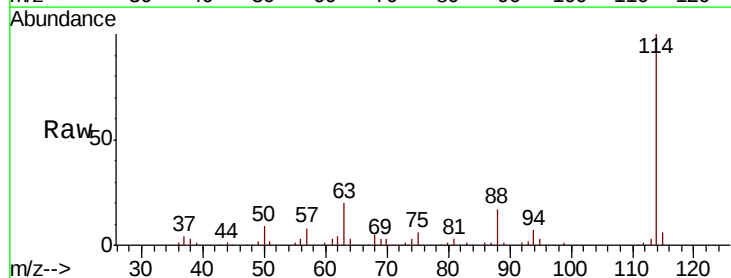


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

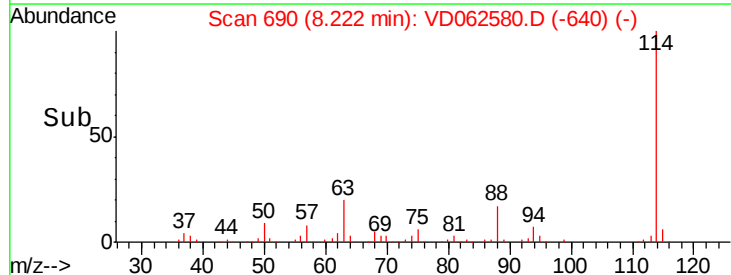
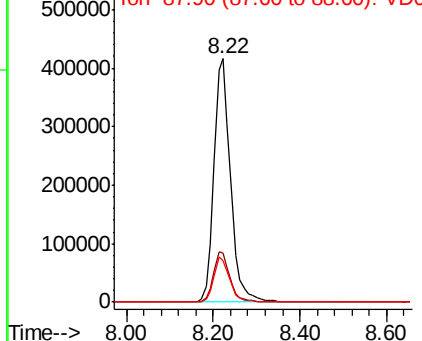


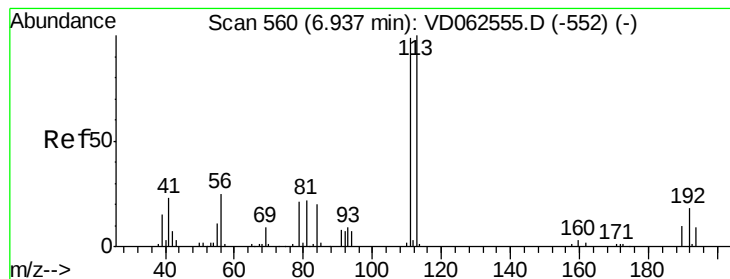
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 114 Resp: 1101176
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.6
 88 17.2 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.396 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

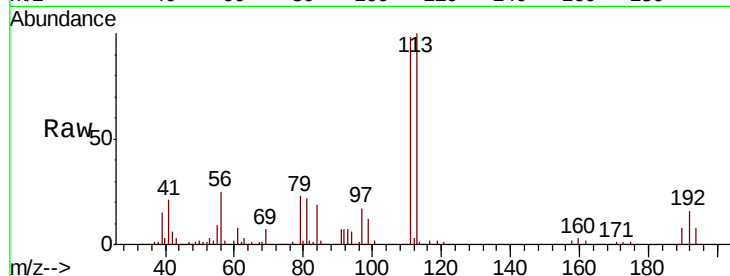
Tot Ion:113 Resp: 505705

Ion Ratio Lower Upper

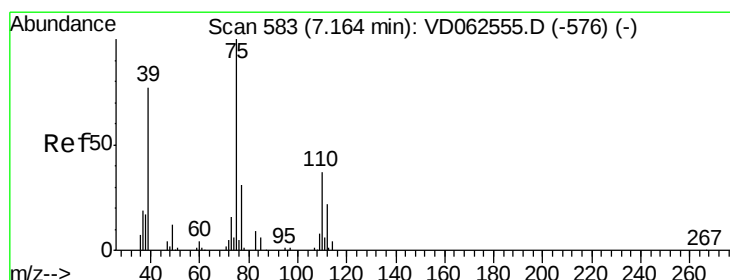
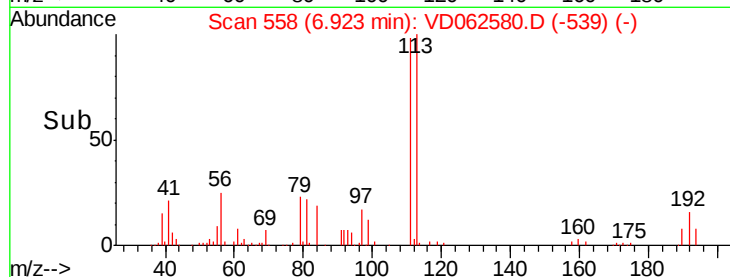
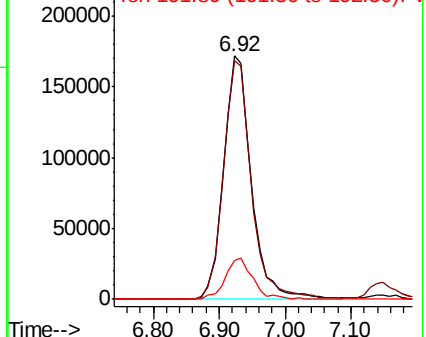
113 100

111 97.8 78.8 118.2

192 15.8 14.6 22.0



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



#36

1,1-Dichloropropene

Concen: 53.421 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

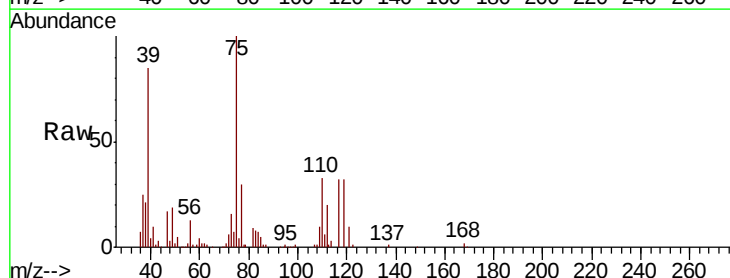
Tgt Ion: 75 Resp: 585589

Ion Ratio Lower Upper

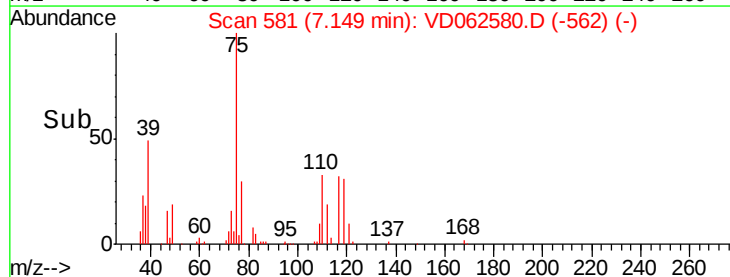
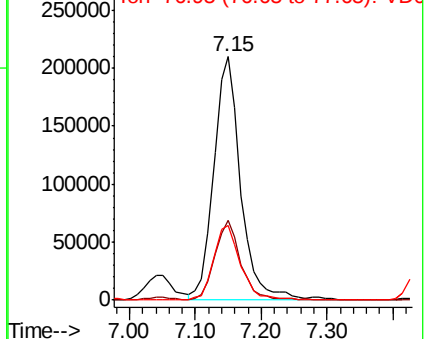
75 100

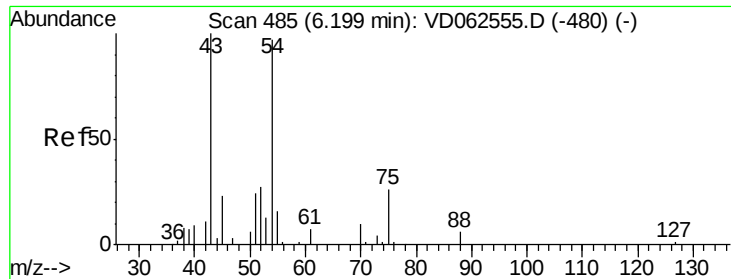
110 32.9 18.3 54.8

77 30.5 24.4 36.6



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





#37

Ethyl Acetate

Concen: 49.351 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

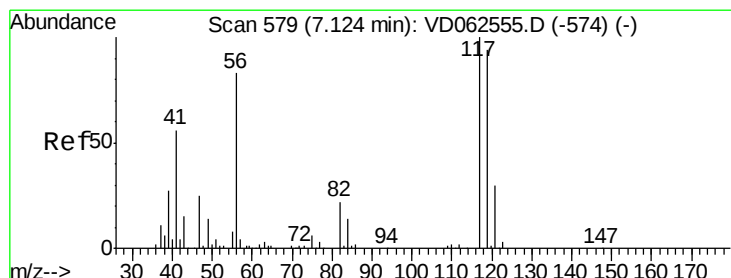
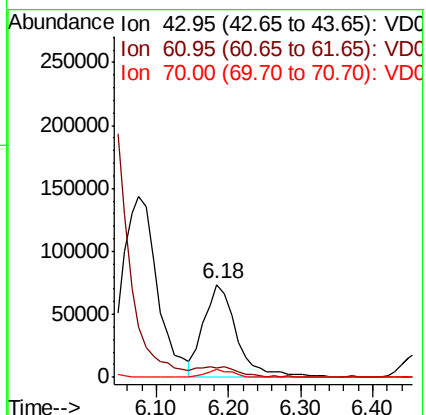
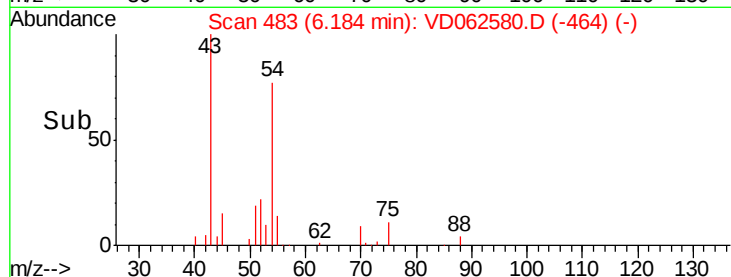
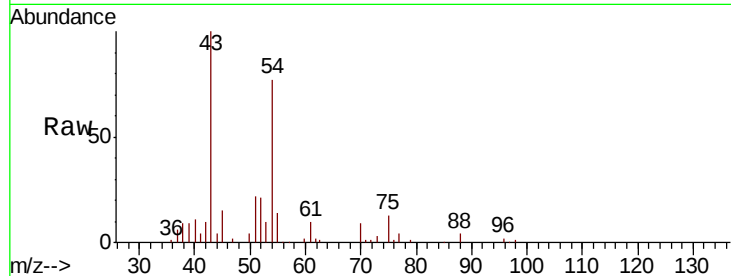
Tot Ion: 43 Resp: 228073

Ion Ratio Lower Upper

43 100

61 10.2 9.8 14.8

70 8.9 6.5 9.7



#38

Carbon Tetrachloride

Concen: 63.638 ug/l

RT: 7.11 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

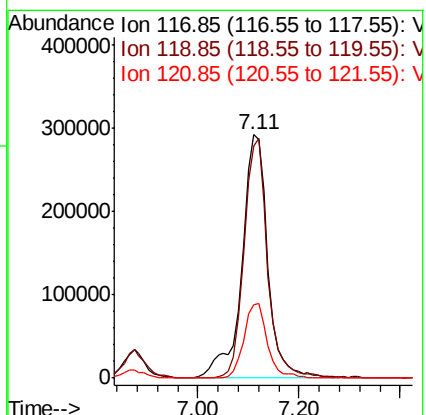
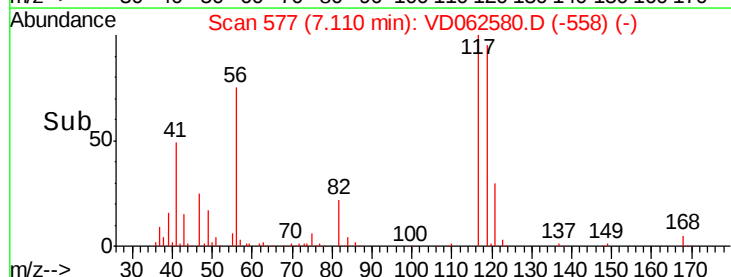
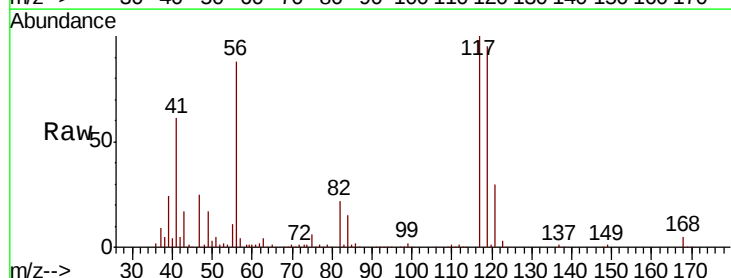
Tgt Ion: 117 Resp: 1038583

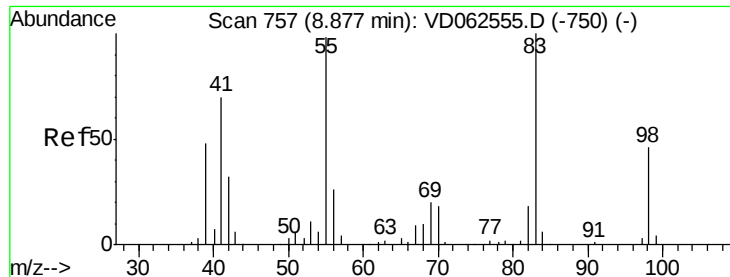
Ion Ratio Lower Upper

117 100

119 95.4 71.4 107.2

121 30.3 22.5 33.7

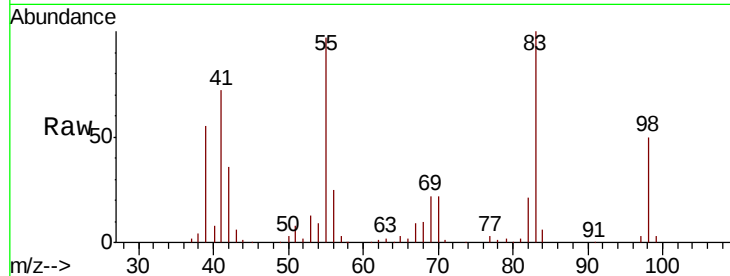




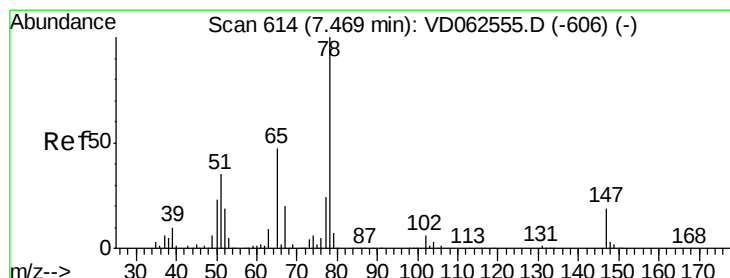
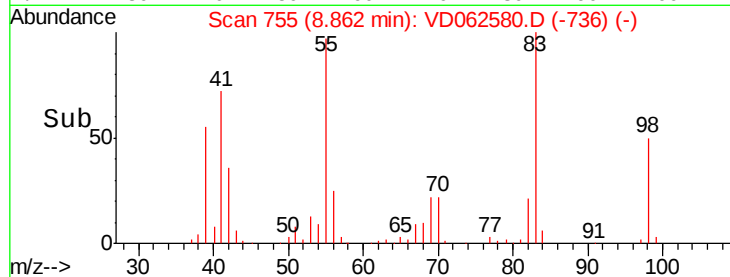
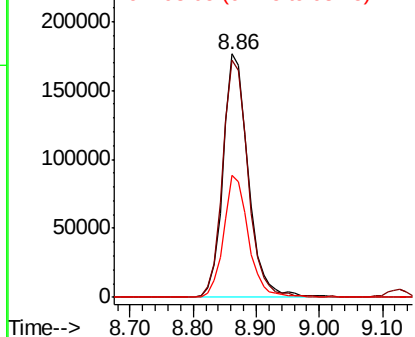
#39
Methvlcvclohexane
Concen: 52.670 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 488819
Ion Ratio Lower Upper
83 100
55 97.5 78.7 118.1
98 50.1 37.2 55.8

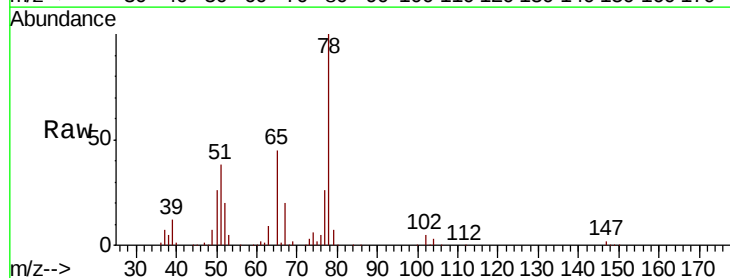


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

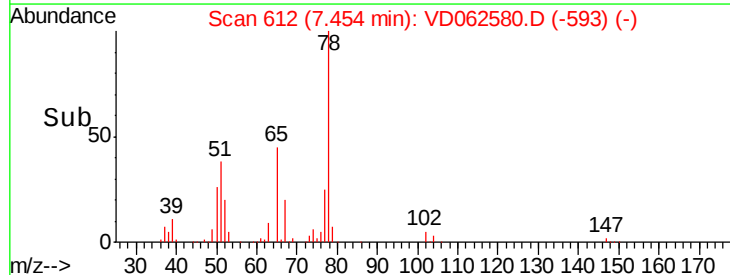
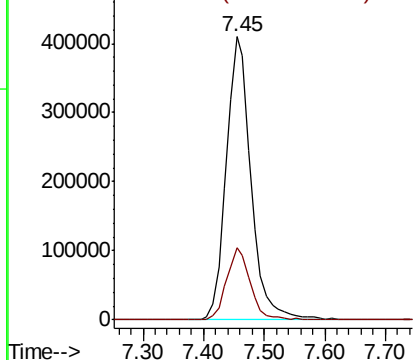


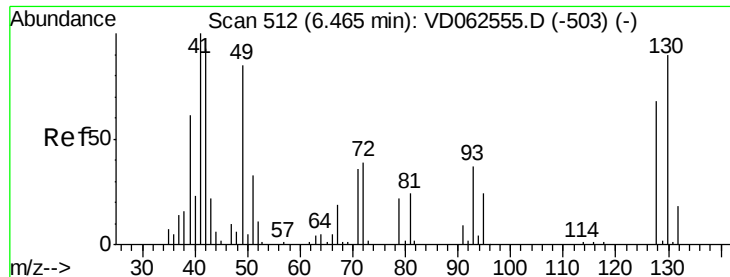
#40
Benzene
Concen: 53.876 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 78 Resp: 1159113
Ion Ratio Lower Upper
78 100
77 25.6 19.1 28.7



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





#41

Methacrylonitrile

Concen: 53.057 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 288539

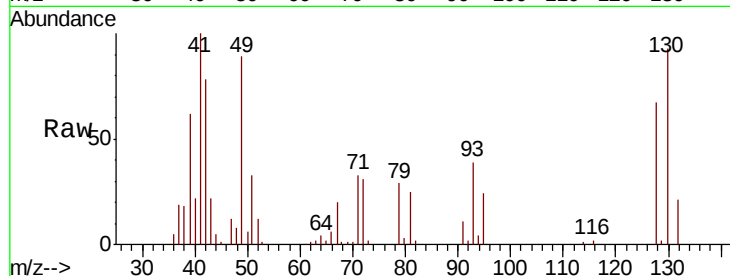
Ion Ratio Lower Upper

41 100

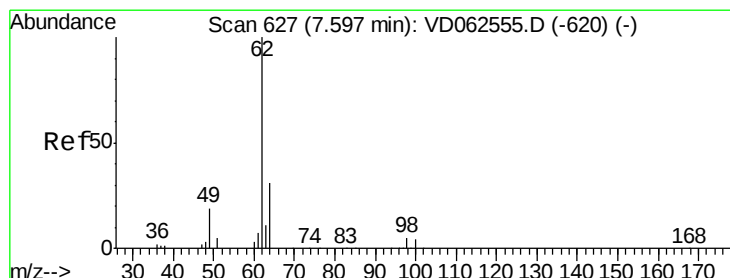
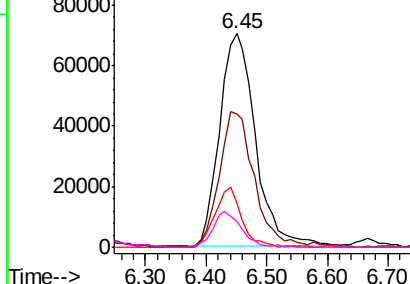
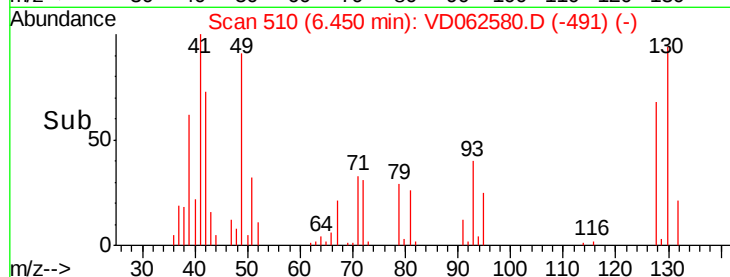
39 62.2 49.0 73.6

67 20.3 15.5 23.3

52 12.2 8.9 13.3



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: 57.547 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.01 min

Lab File: VD062580.D

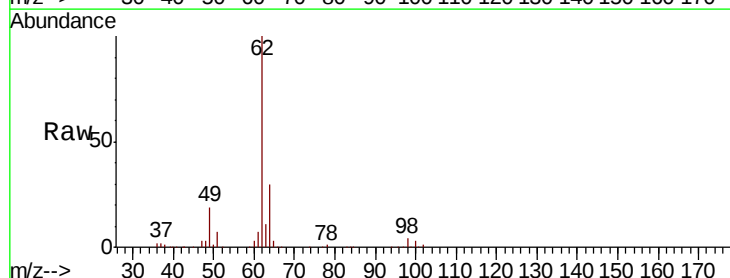
Acq: 3 Jun 2019 12:24

Tgt Ion: 62 Resp: 689654

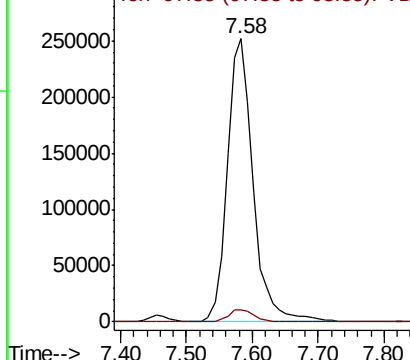
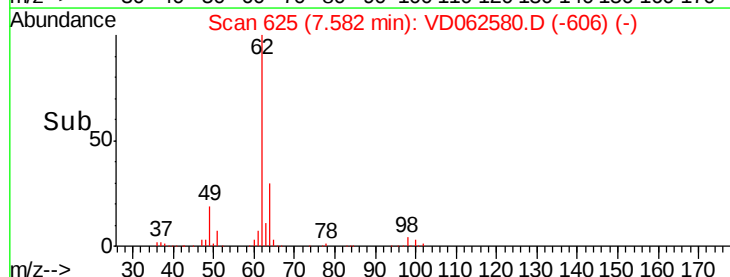
Ion Ratio Lower Upper

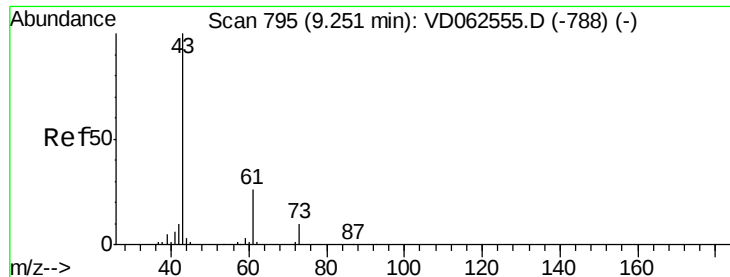
62 100

98 4.3 0.0 11.0



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





#43

Isopropyl Acetate

Concen: 56.959 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

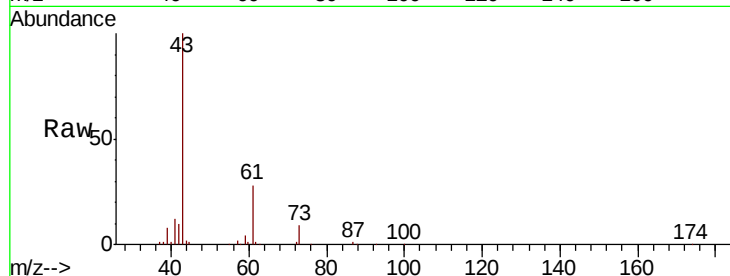
Tot Ion: 43 Resp: 327619

Ion Ratio Lower Upper

43 100

61 28.3 20.5 30.7

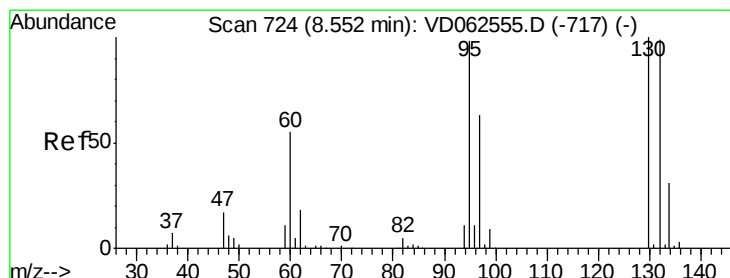
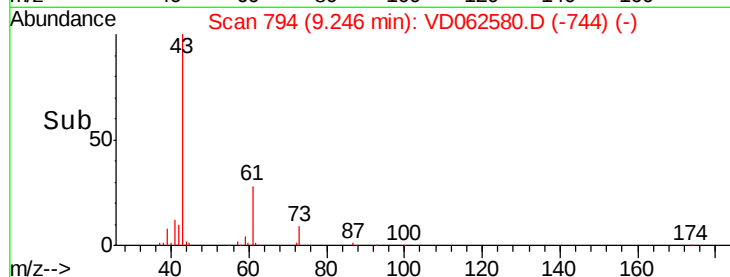
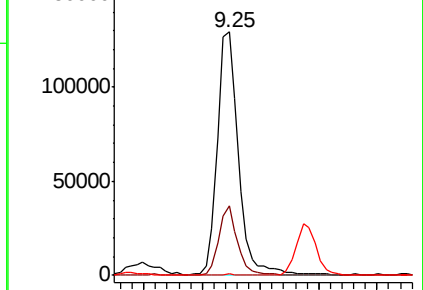
87 0.5 0.2 0.2#



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: 56.012 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062580.D

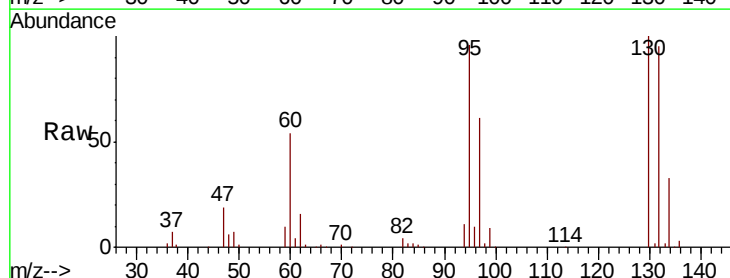
Acq: 3 Jun 2019 12:24

Tgt Ion:130 Resp: 481432

Ion Ratio Lower Upper

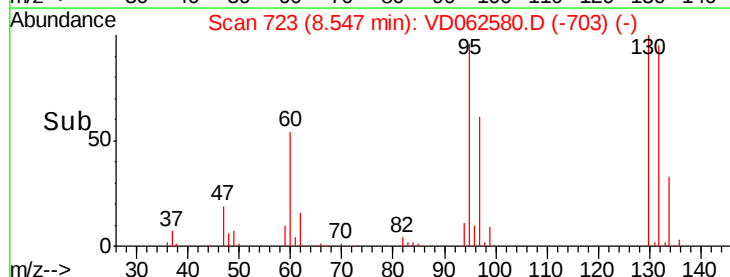
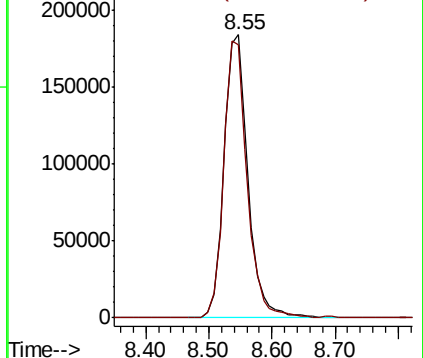
130 100

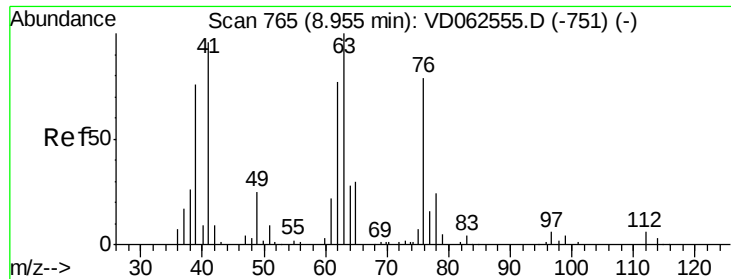
95 96.5 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.841 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

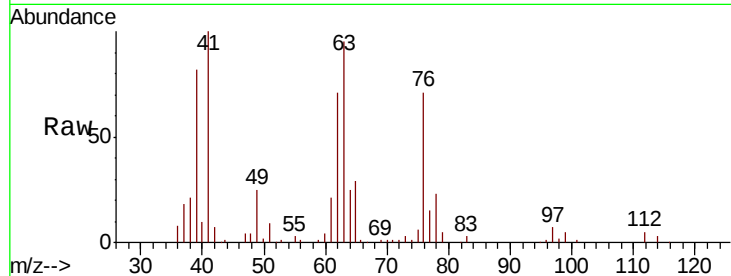
ClientSampleId :

Tot Ion: 63 Resp: 283994

Ion Ratio Lower Upper

63 100

65 30.9 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

60000

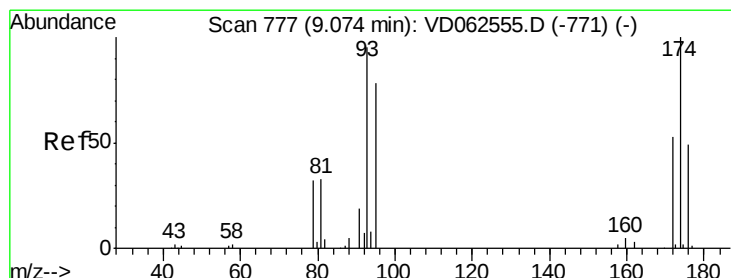
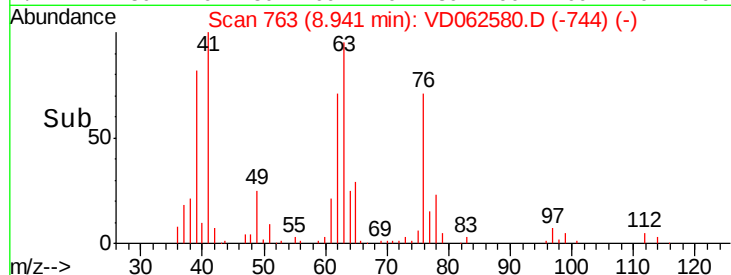
40000

20000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 55.940 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

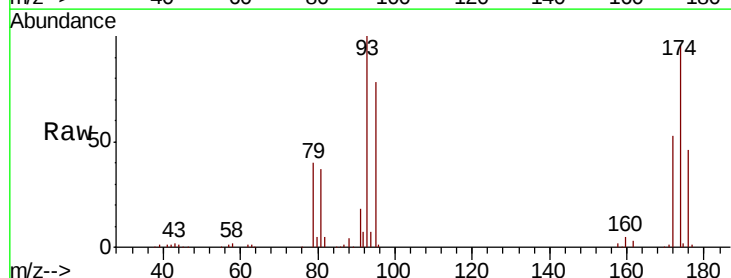
Tgt Ion: 93 Resp: 247842

Ion Ratio Lower Upper

93 100

95 78.0 66.1 99.1

174 96.3 84.2 126.4



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

150000

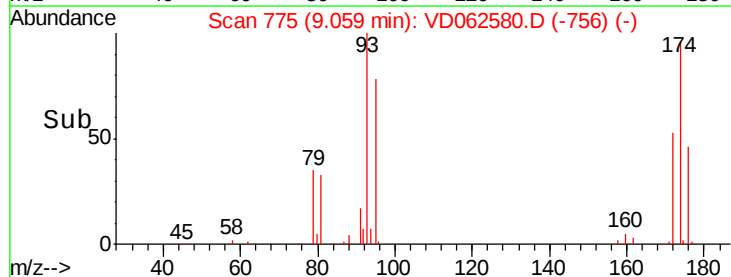
100000

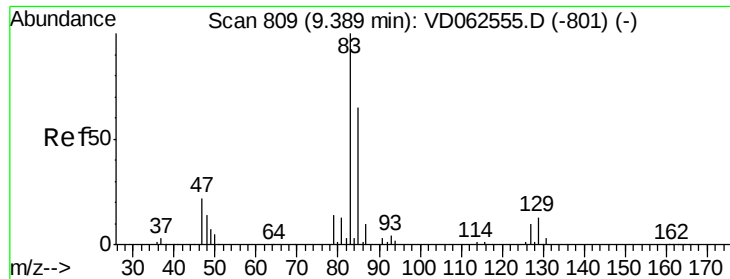
50000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 55.722 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

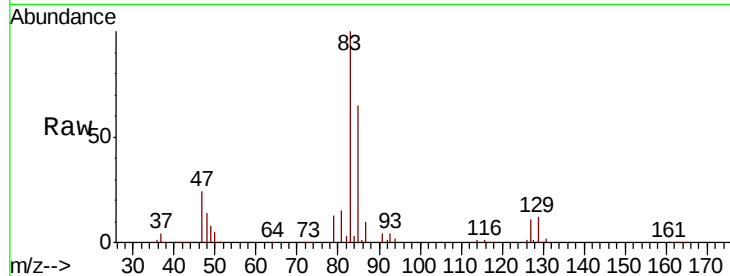
Tot Ion: 83 Resp: 680226

Ion Ratio Lower Upper

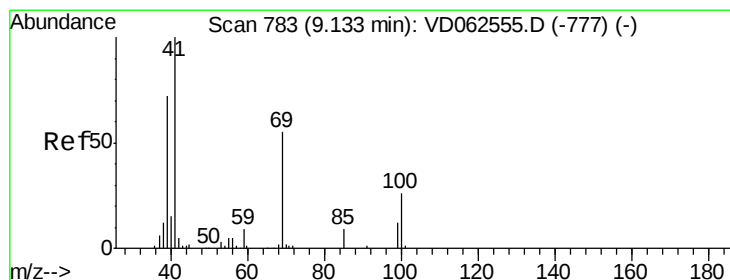
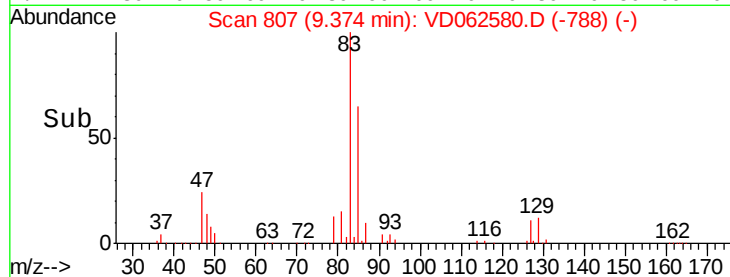
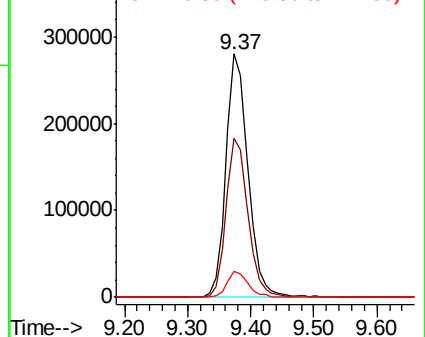
83 100

85 65.1 51.8 77.8

127 10.7 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: 56.230 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

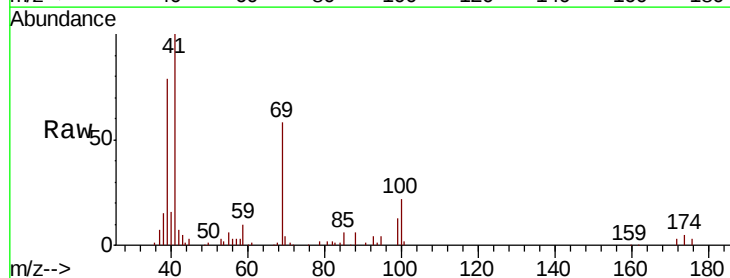
Tgt Ion: 41 Resp: 215413

Ion Ratio Lower Upper

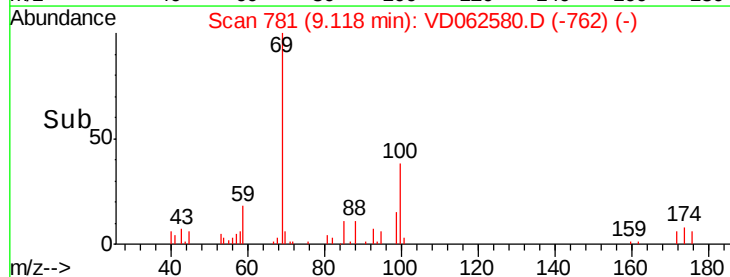
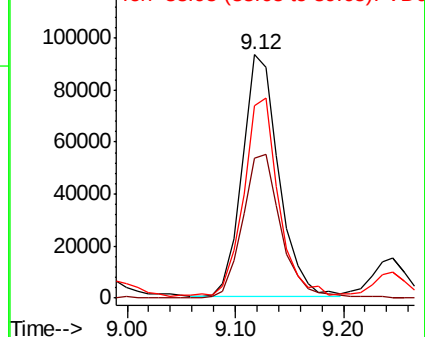
41 100

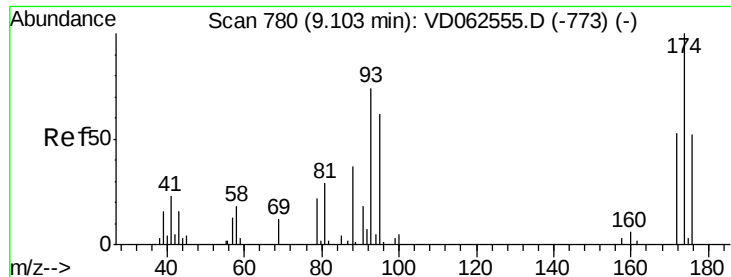
69 57.6 43.6 65.4

39 79.0 58.1 87.1



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

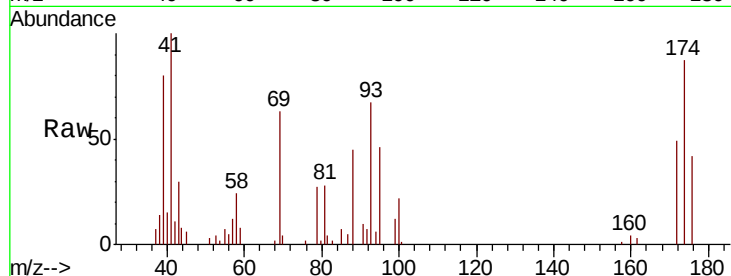




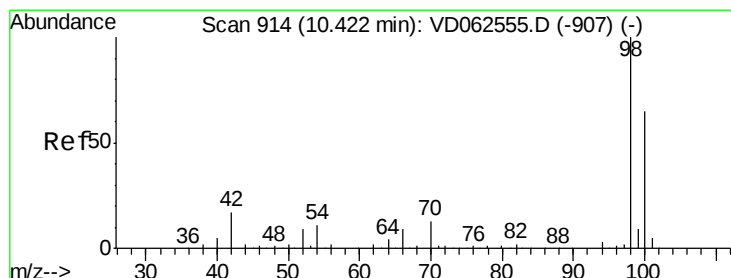
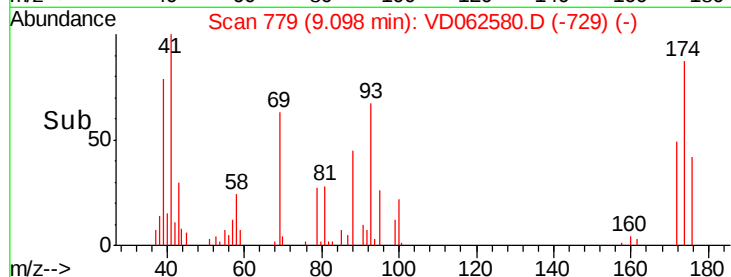
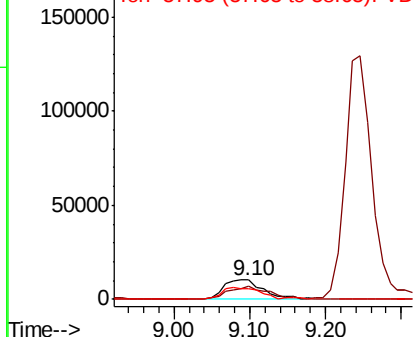
#49
 1,4-Dioxane
 Concen: 1249.009 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 38865
 Ion Ratio Lower Upper
 88 100
 43 66.0 37.1 55.7#
 58 53.2 39.3 58.9

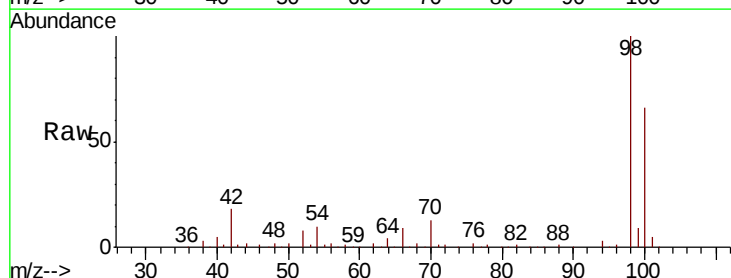


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

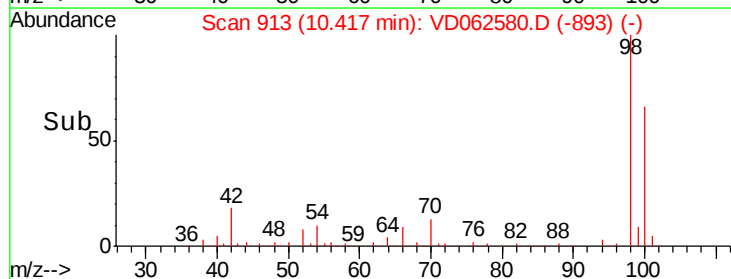
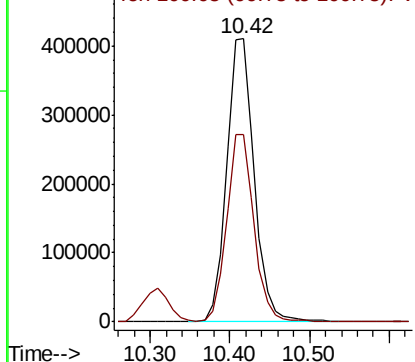


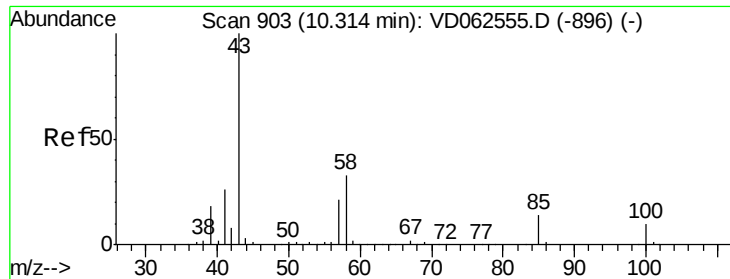
#50
 Toluene-d8
 Concen: 45.199 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 98 Resp: 993752
 Ion Ratio Lower Upper
 98 100
 100 66.3 52.3 78.5



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: 270.437 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

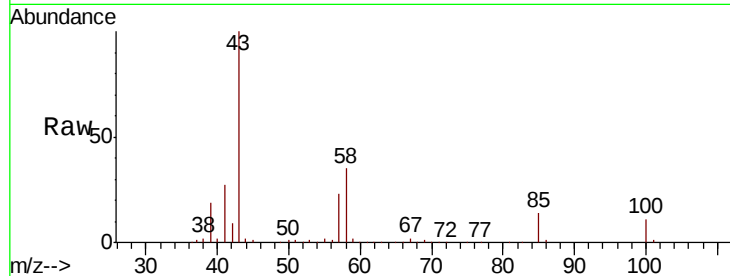
ClientSampleId :

Tot Ion: 43 Resp: 1085231

Ion Ratio Lower Upper

43 100

58 34.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

500000

400000

300000

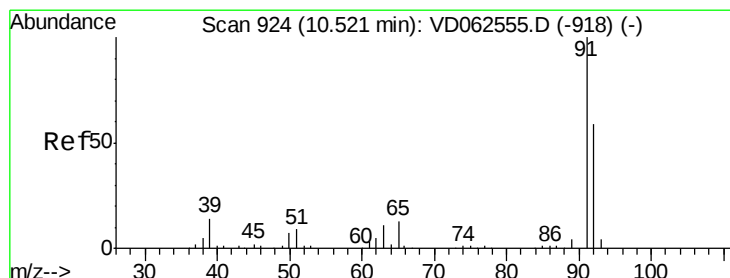
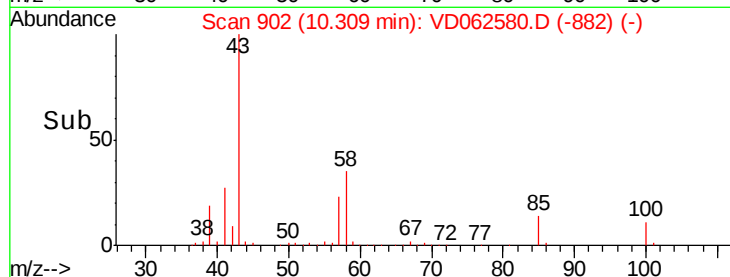
200000

100000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 55.206 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062580.D

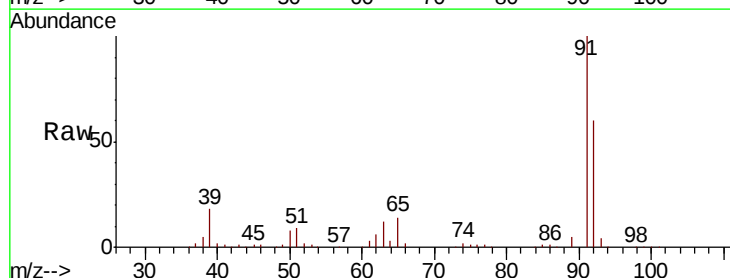
Acq: 3 Jun 2019 12:24

Tgt Ion: 92 Resp: 810071

Ion Ratio Lower Upper

92 100

91 165.8 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

600000

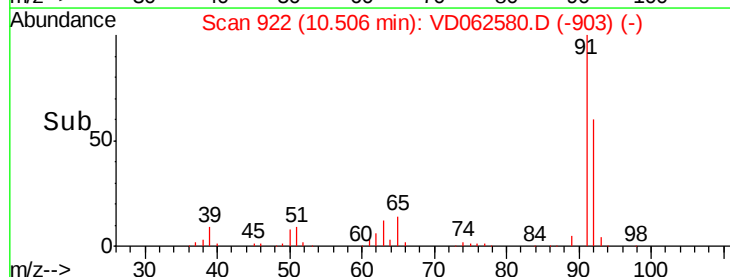
400000

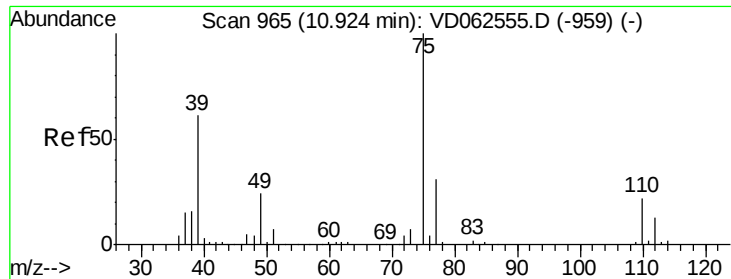
200000

0

Time-->

10.40 10.60

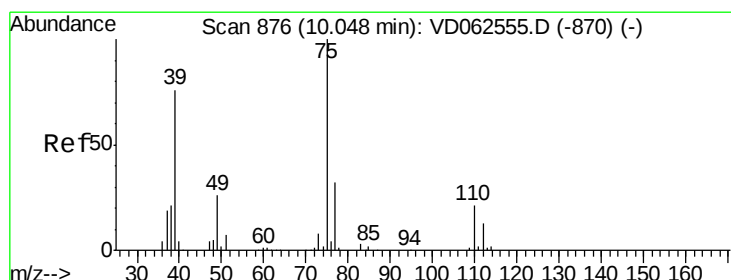
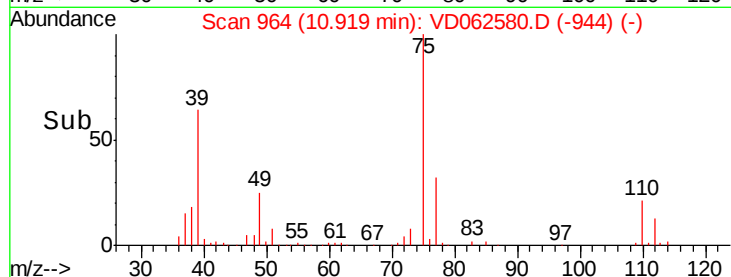
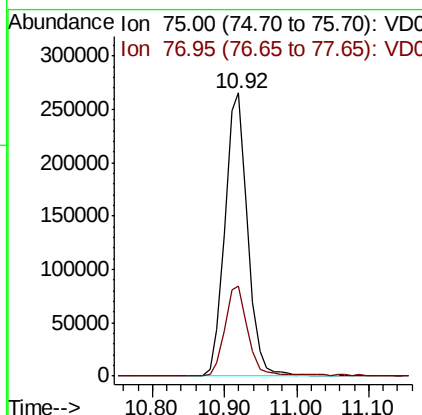
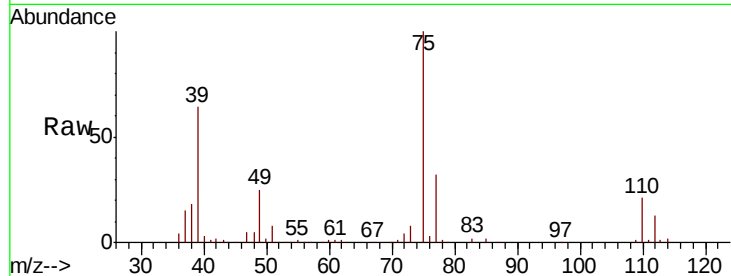




#53
 t-1,3-Dichloropropene
 Concen: 55.695 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

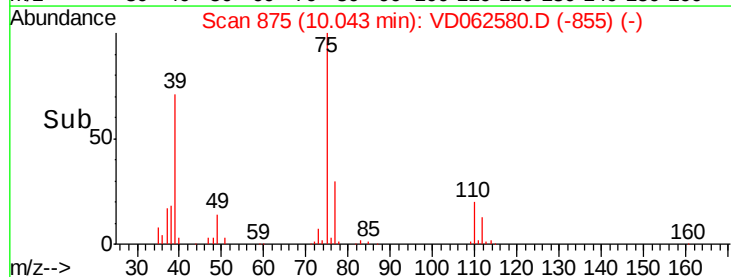
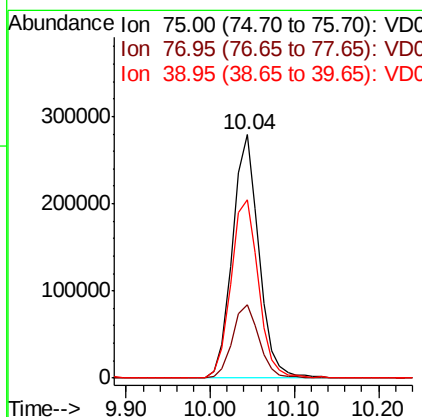
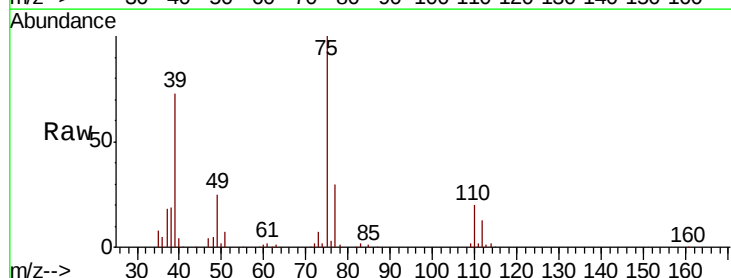
Instrument :
 MSVOA_D
 ClientSampleId :

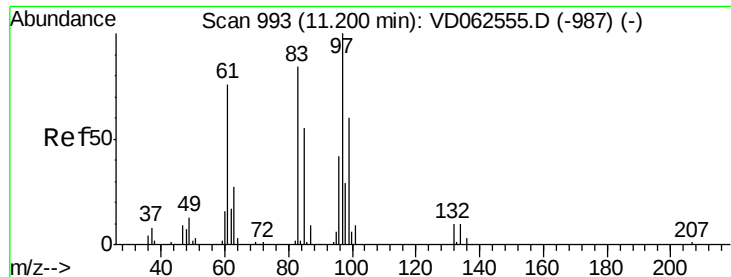
Tot Ion: 75 Resp: 574436
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 56.853 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 75 Resp: 609635
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.7 38.5
 39 73.3 61.0 91.6

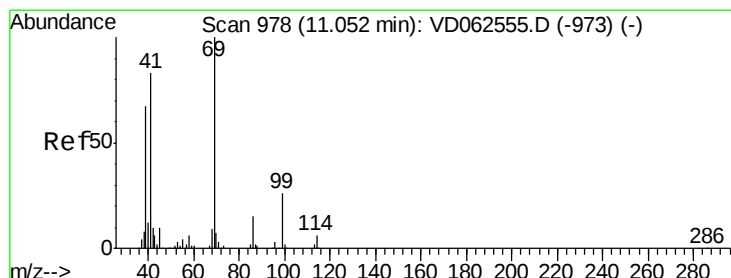
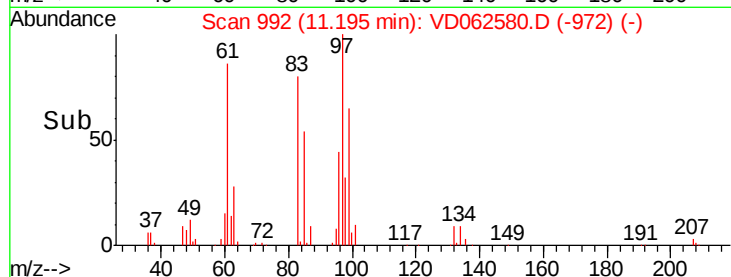
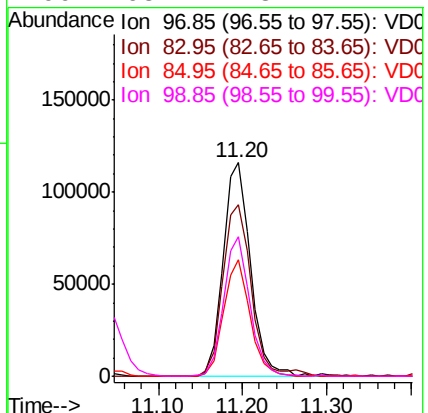
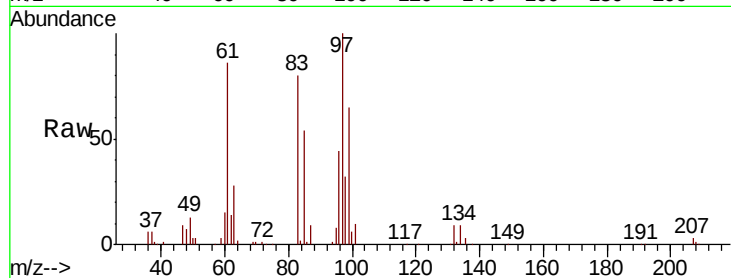




#55
1,1,2-Trichloroethane
Concen: 54.316 ug/l
RT: 11.20 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

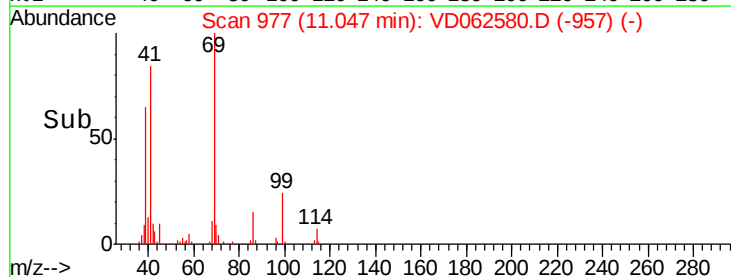
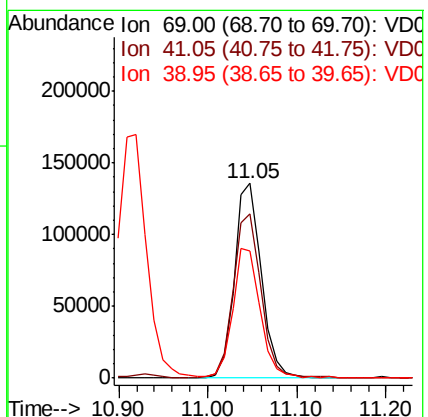
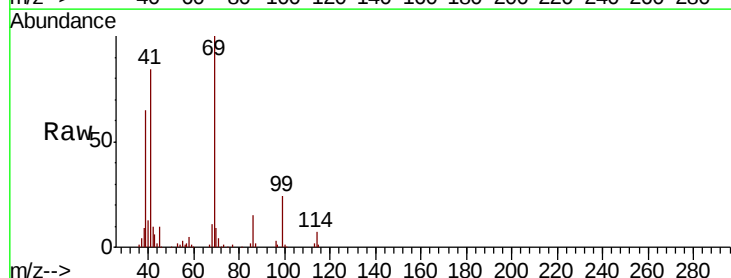
Instrument :
MSVOA_D
ClientSampleId :

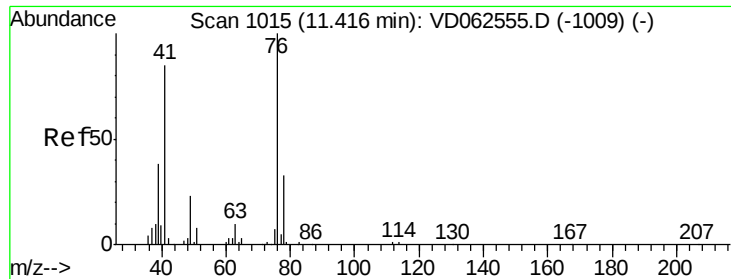
Tot Ion:	97	Resp:	261697
Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.3	100.9
85	54.3	43.8	65.8
99	65.1	48.2	72.2



#56
Ethyl methacrylate
Concen: 55.835 ug/l
RT: 11.05 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion:	69	Resp:	286727
Ion	Ratio	Lower	Upper
69	100		
41	84.2	66.1	99.1
39	65.2	54.2	81.2

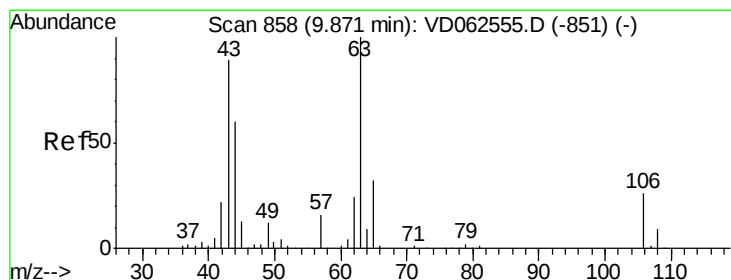
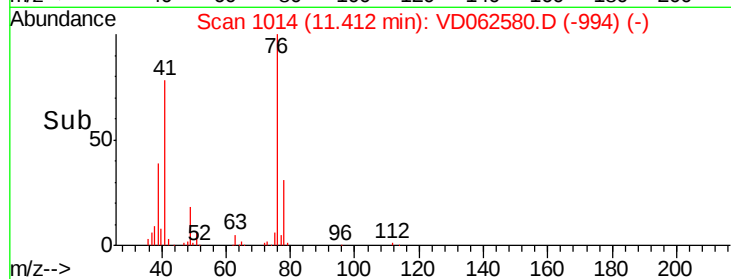
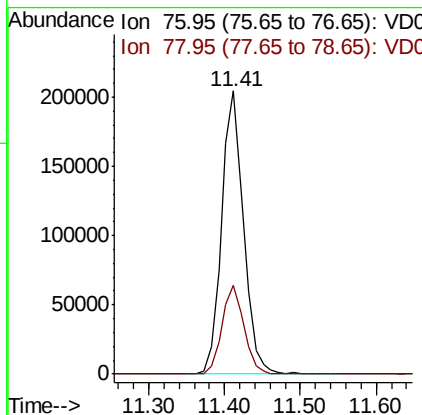
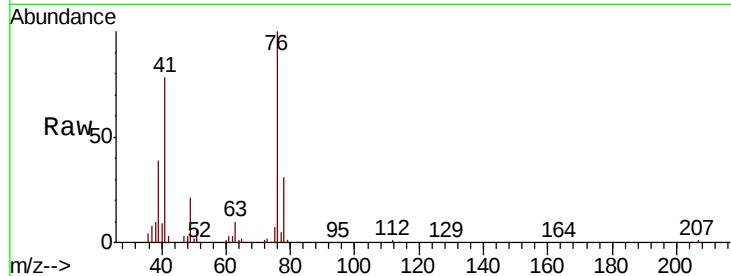




#57
 1,3-Dichloropropane
 Concen: 55.233 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

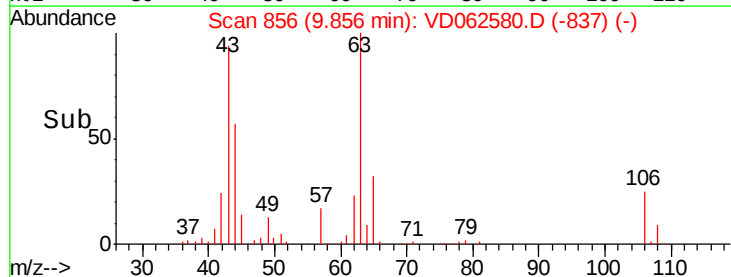
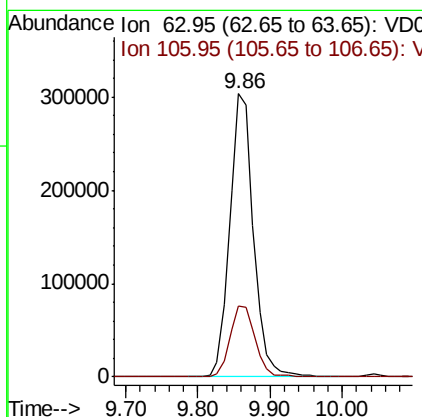
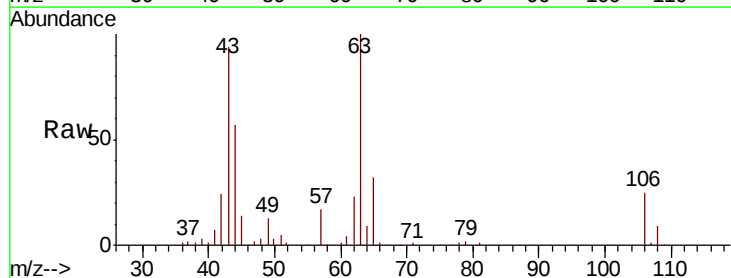
Instrument :
 MSVOA_D
 ClientSampled :

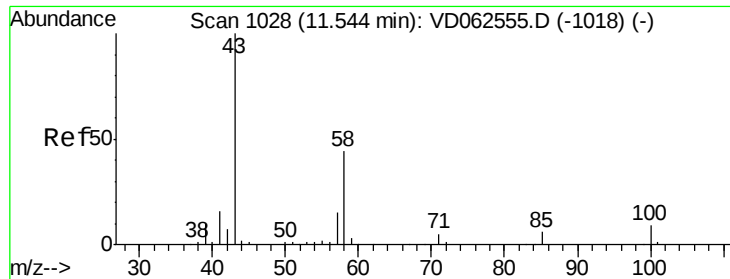
Tot Ion: 76 Resp: 410235
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.480 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 63 Resp: 693936
 Ion Ratio Lower Upper
 63 100
 106 25.3 21.0 31.4

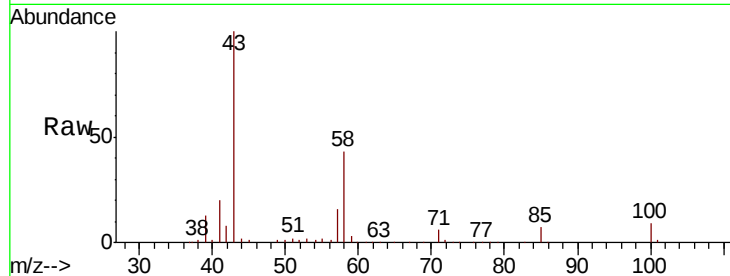




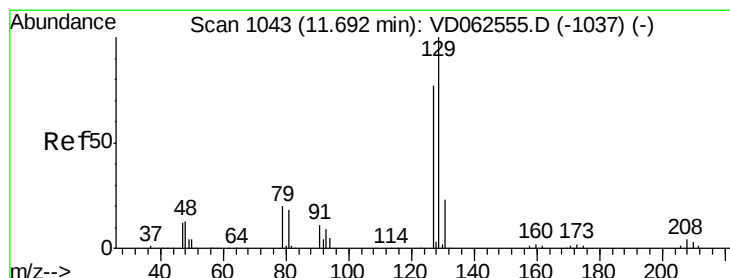
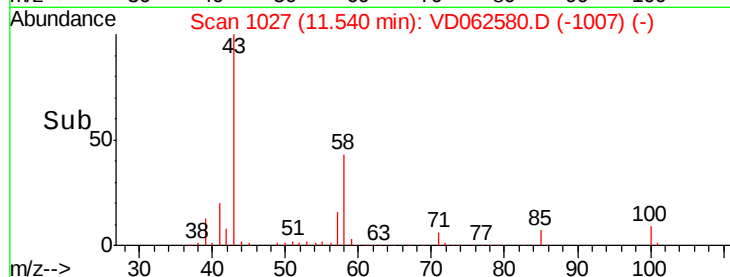
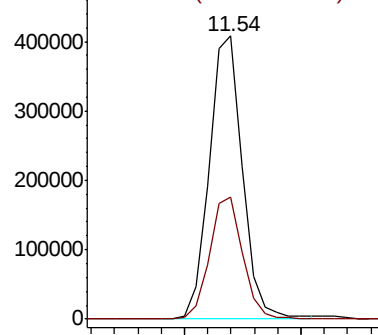
#59
2-Hexanone
Concen: 285.545 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 803730
Ion Ratio Lower Upper
43 100
58 43.3 22.0 66.0

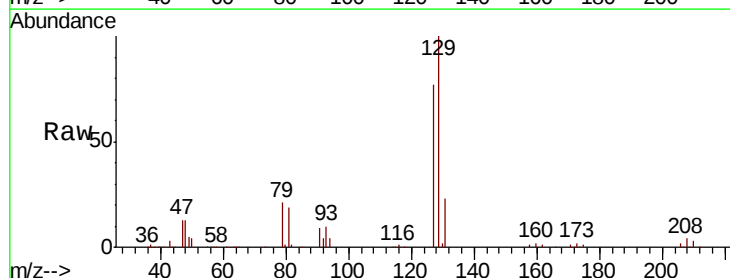


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

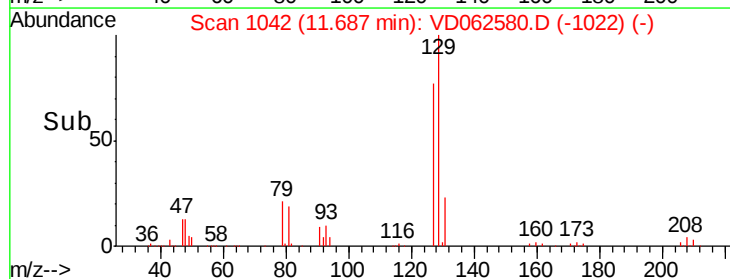
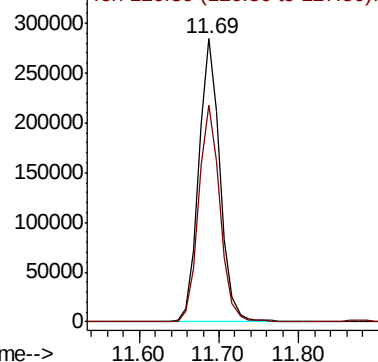


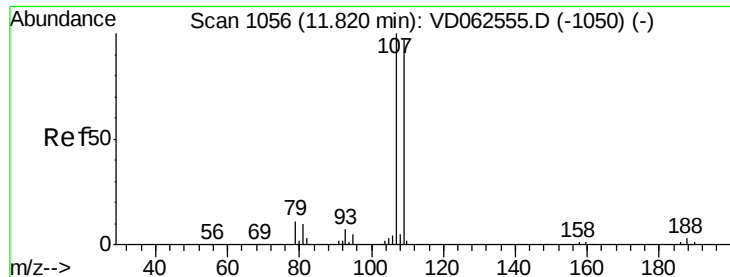
#60
Dibromochloromethane
Concen: 57.188 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion:129 Resp: 535445
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

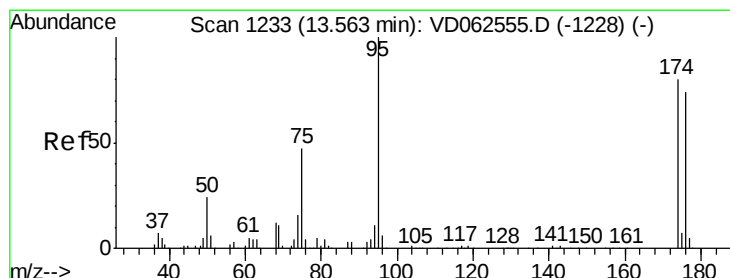
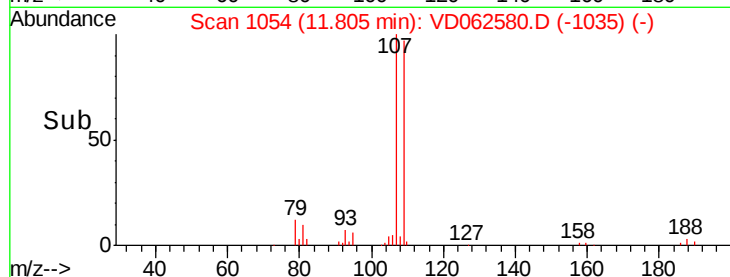
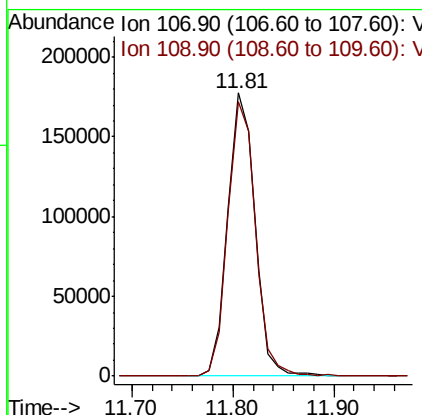
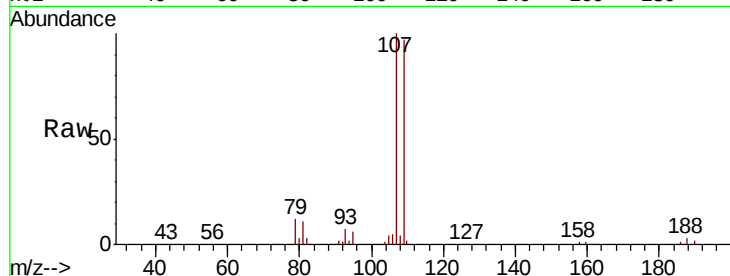




#61
 1,2-Dibromoethane
 Concen: 57.553 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

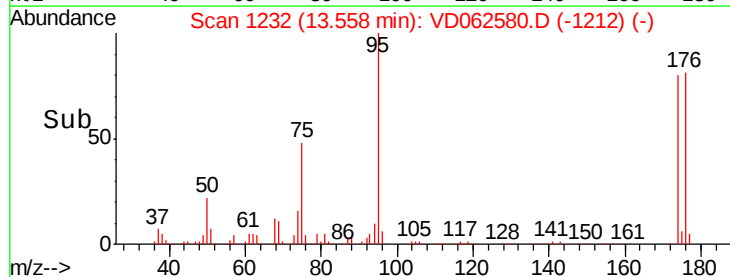
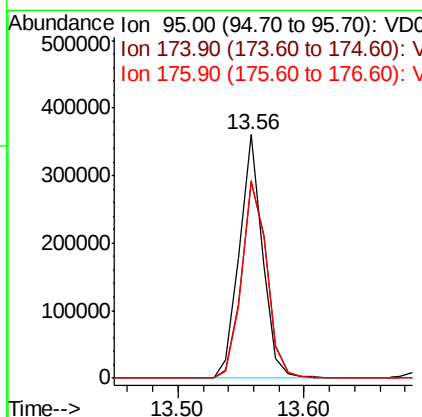
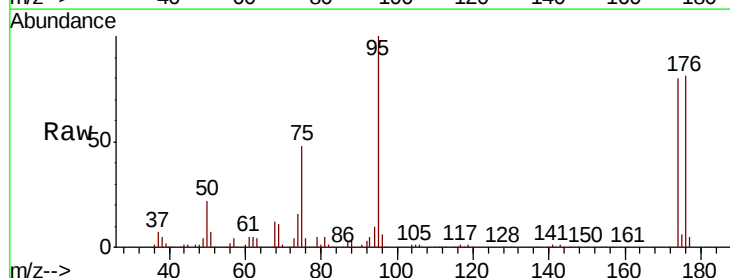
Instrument :
 MSVOA_D
 ClientSampleId :

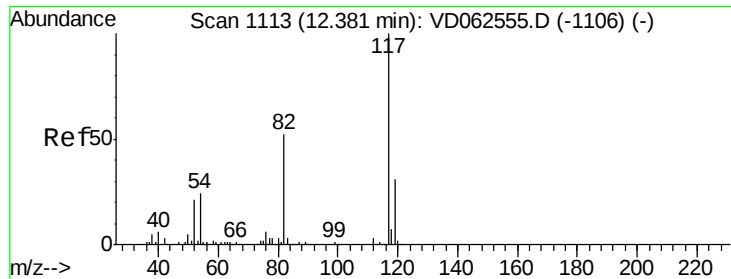
Tot Ion:107 Resp: 333573
 Ion Ratio Lower Upper
 107 100
 109 96.9 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 45.824 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 95 Resp: 454352
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 160.2
 176 81.1 0.0 148.0

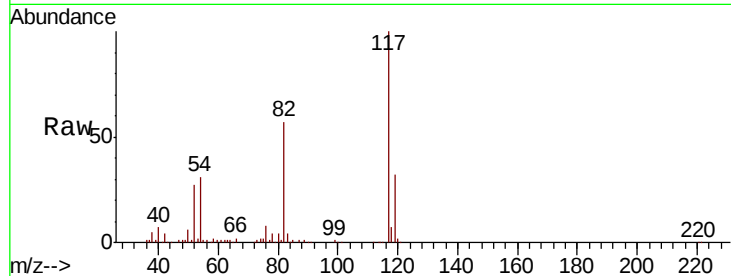




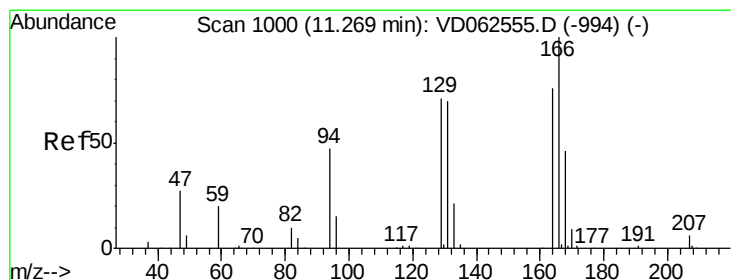
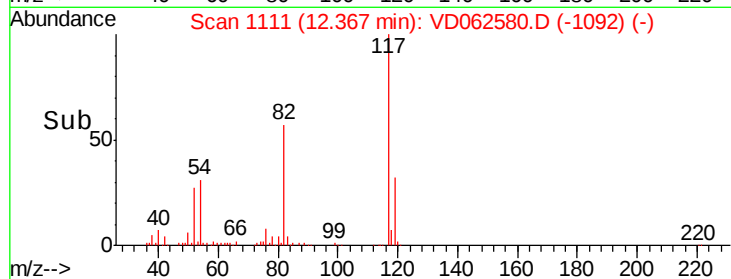
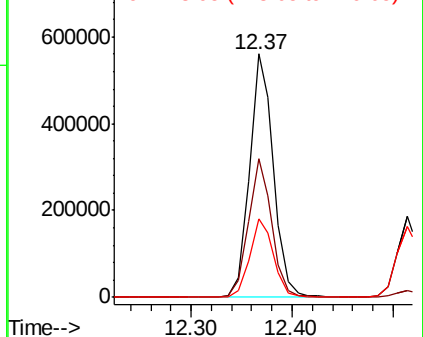
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 919689
Ion Ratio Lower Upper
117 100
82 56.8 41.4 62.2
119 32.5 24.9 37.3

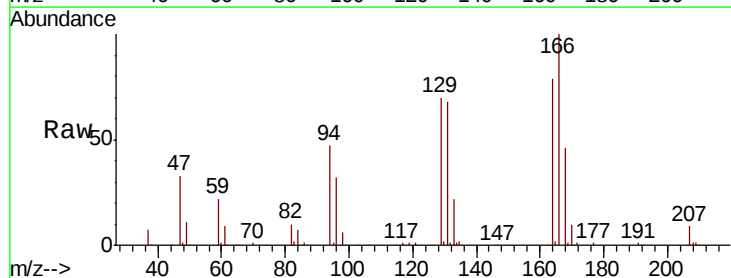


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

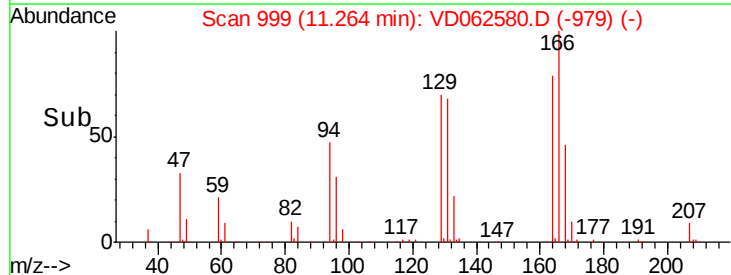
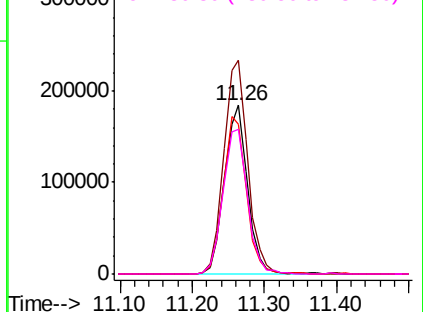


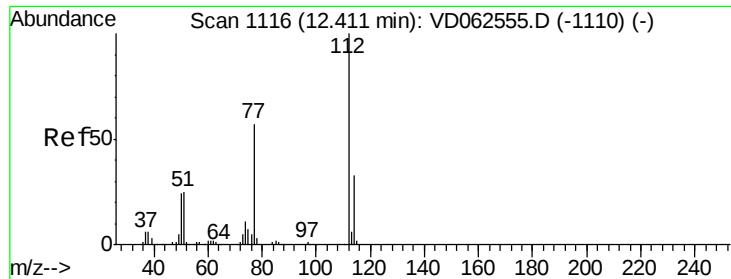
#64
Tetrachloroethene
Concen: 50.261 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion:164 Resp: 408622
Ion Ratio Lower Upper
164 100
166 126.6 105.3 157.9
129 88.9 75.3 112.9
131 85.8 73.3 109.9



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





#65

Chlorobenzene

Concen: 55.409 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

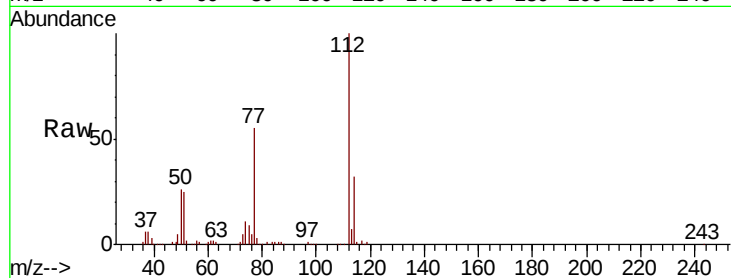
ClientSampleId :

Tot Ion:112 Resp: 992735

Ion Ratio Lower Upper

112 100

114 32.1 26.6 39.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.41

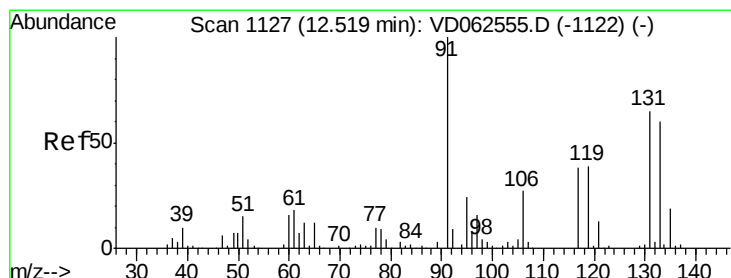
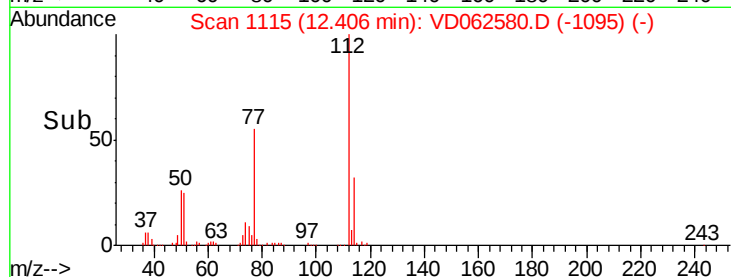
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.198 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

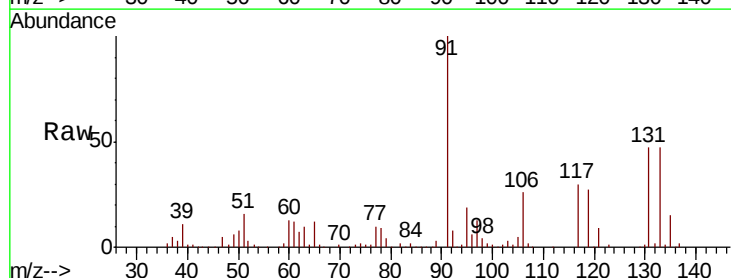
Tgt Ion:131 Resp: 459233

Ion Ratio Lower Upper

131 100

133 99.2 46.2 138.6

119 56.5 29.5 88.6



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.51

400000

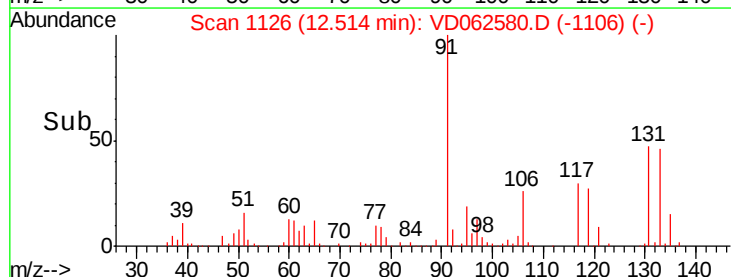
300000

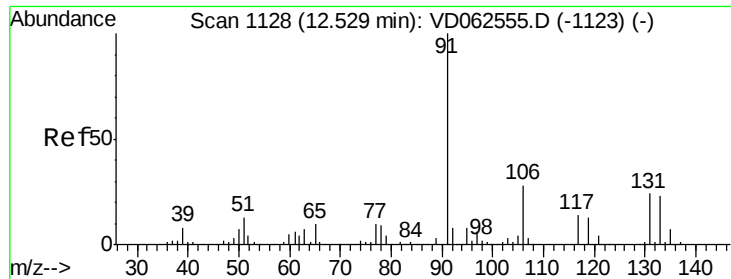
200000

100000

0

Time-->

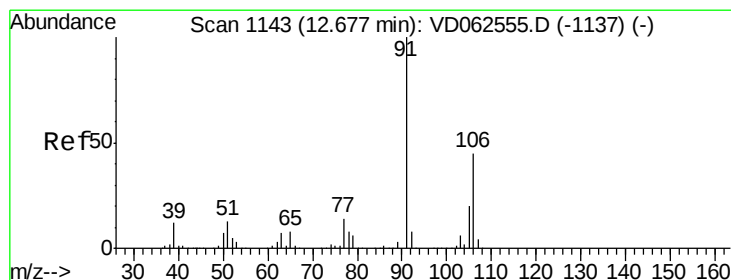
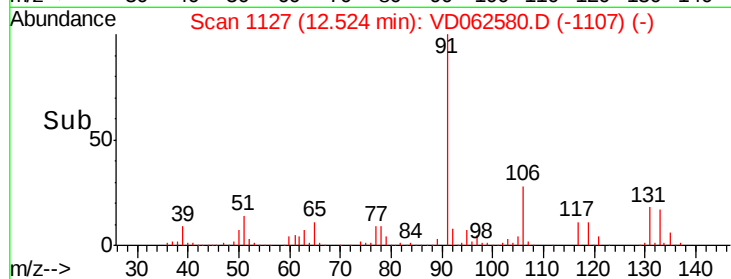
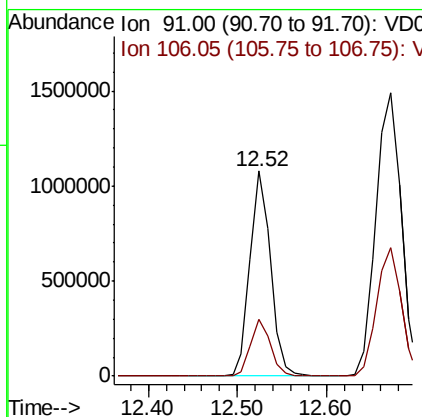
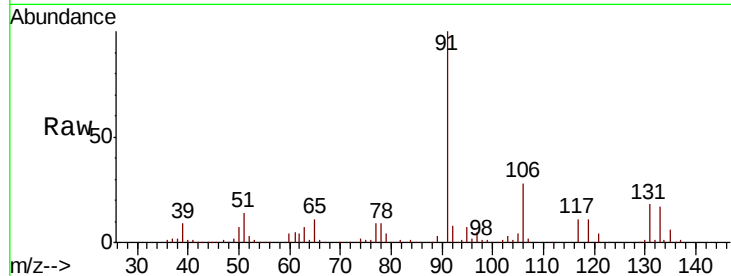




#67
Ethyl Benzene
Concen: 52.401 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

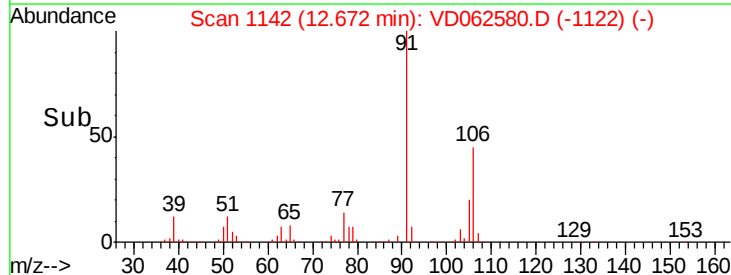
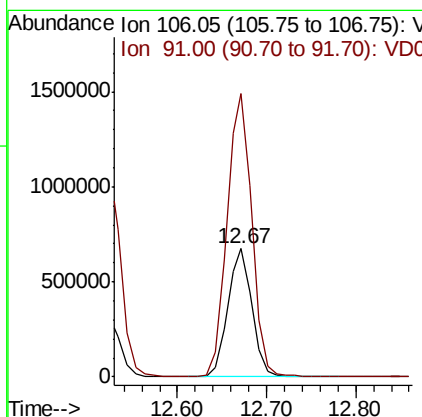
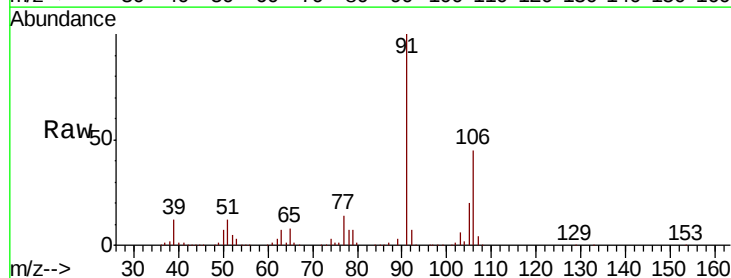
Instrument :
MSVOA_D
ClientSampleId :

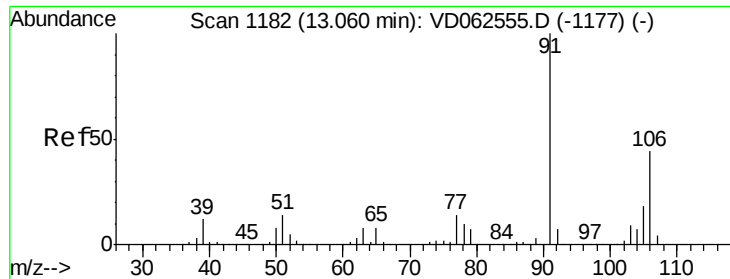
Tot Ion: 91 Resp: 1720111
Ion Ratio Lower Upper
91 100
106 27.8 22.2 33.2



#68
m/p-Xylenes
Concen: 112.950 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 106 Resp: 1282599
Ion Ratio Lower Upper
106 100
91 221.3 178.9 268.3

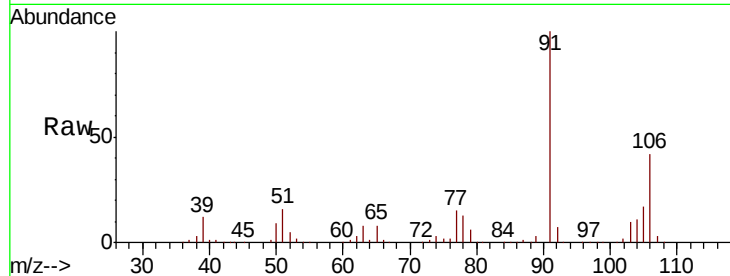




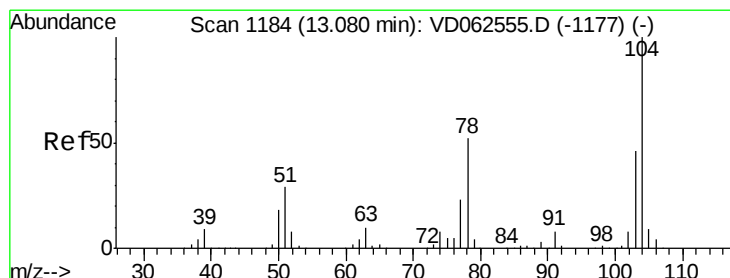
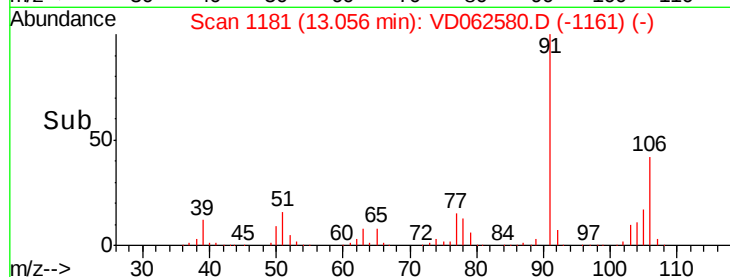
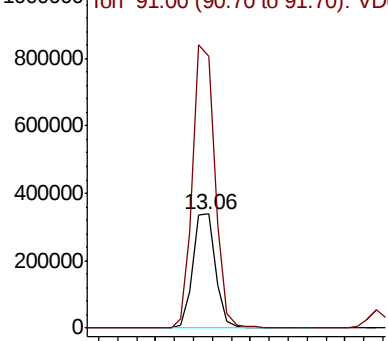
#69
o-Xylene
Concen: 51.671 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 559724
Ion Ratio Lower Upper
106 100
91 238.3 113.9 341.8

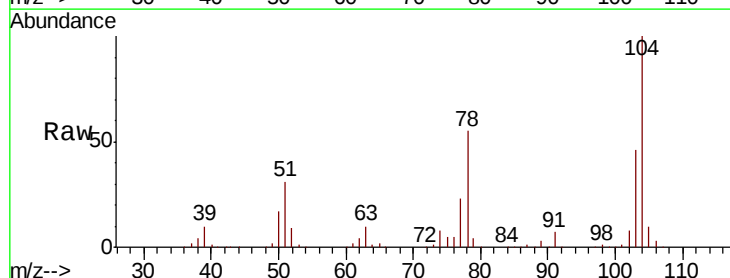


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

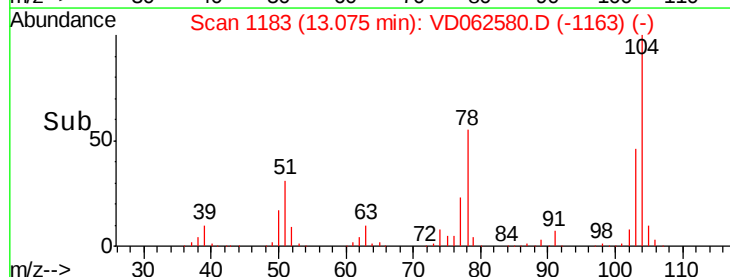
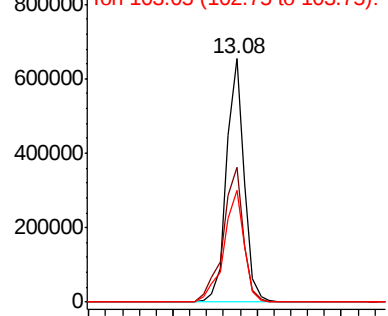


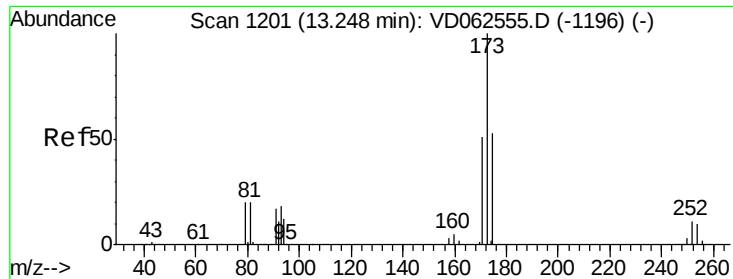
#70
Styrene
Concen: 52.031 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion:104 Resp: 956990
Ion Ratio Lower Upper
104 100
78 55.2 41.5 62.3
103 46.1 36.6 55.0



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: 55.000 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

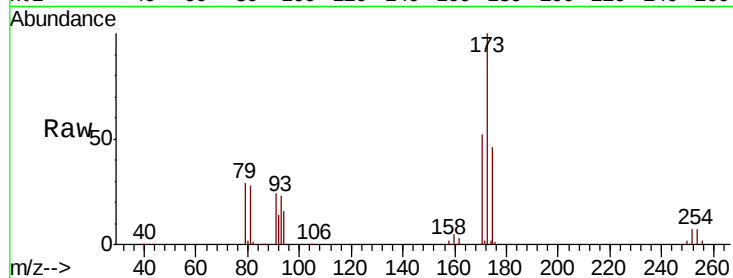
Tot Ion:173 Resp: 327147

Ion Ratio Lower Upper

173 100

175 45.8 26.6 79.7

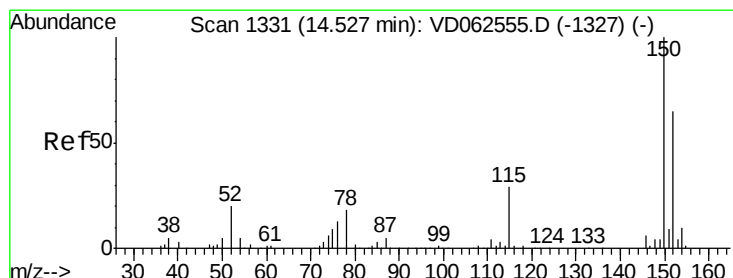
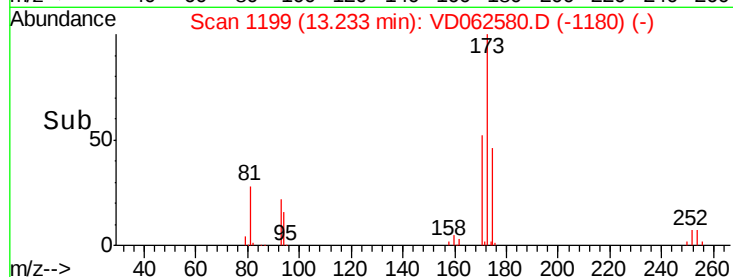
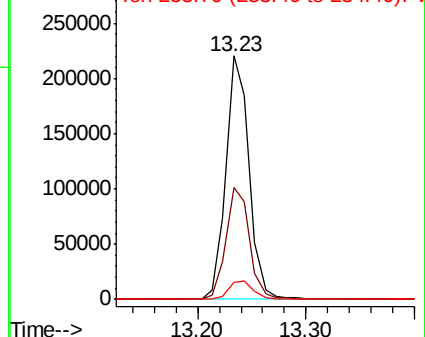
254 7.1 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

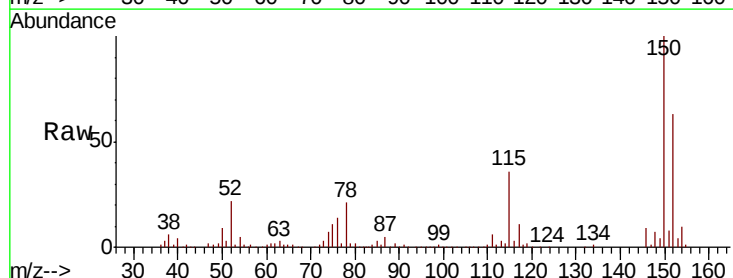
Tgt Ion:152 Resp: 537865

Ion Ratio Lower Upper

152 100

115 56.6 28.4 85.3

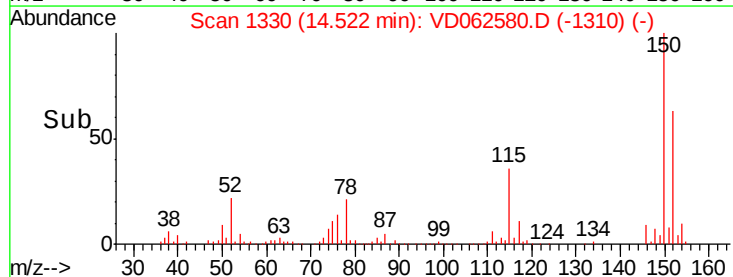
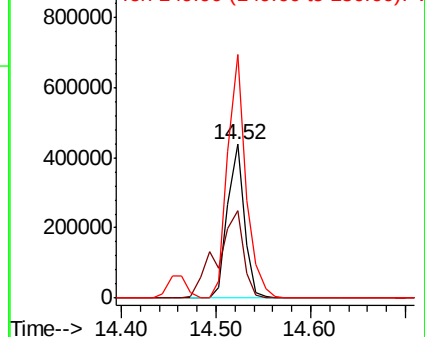
150 158.4 0.0 310.4

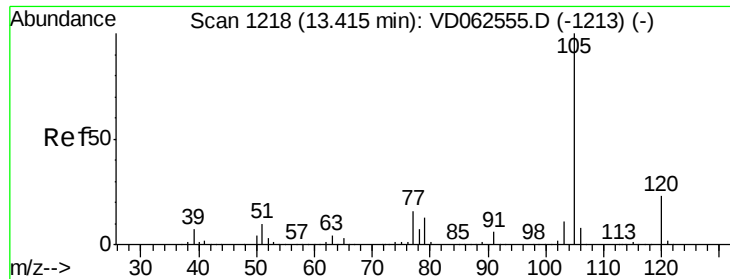


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.783 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

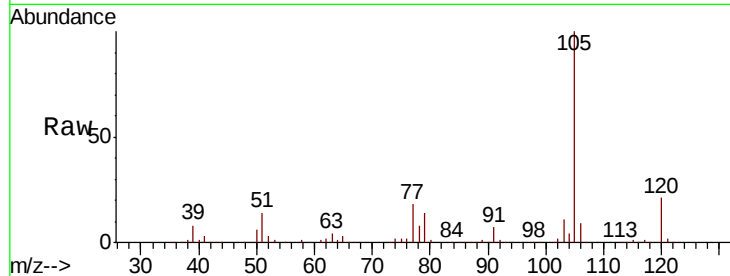
ClientSampled :

Tot Ion:105 Resp: 1765272

Ion Ratio Lower Upper

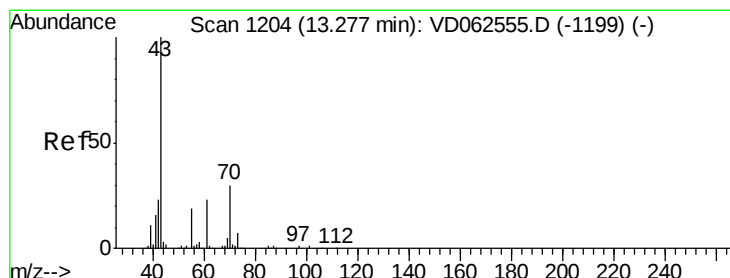
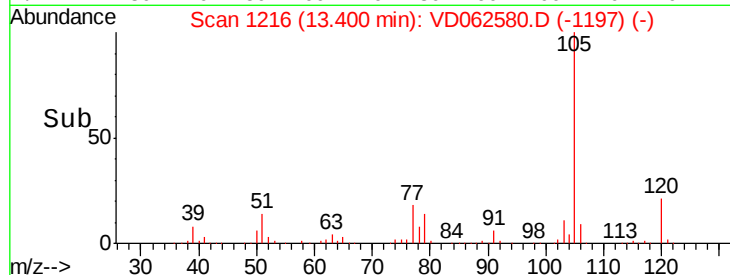
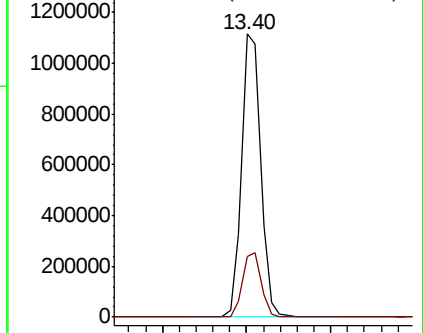
105 100

120 21.5 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.809 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Tgt Ion: 43 Resp: 459377

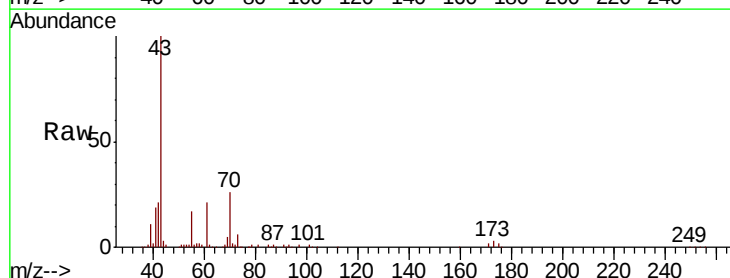
Ion Ratio Lower Upper

43 100

70 26.3 23.7 35.5

55 16.6 15.0 22.4

61 20.7 18.4 27.6

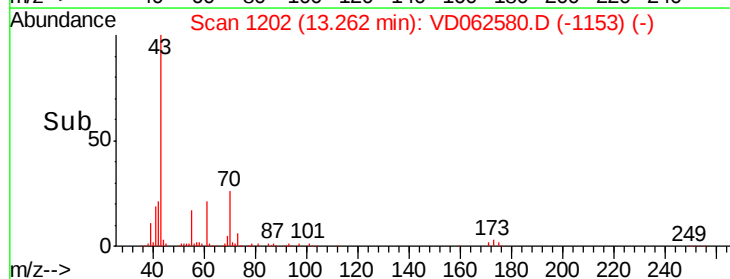
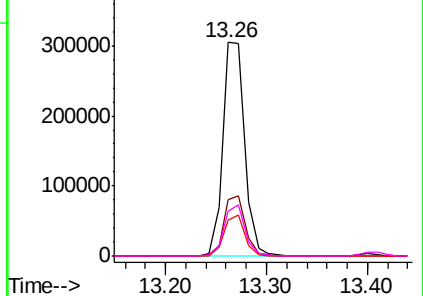


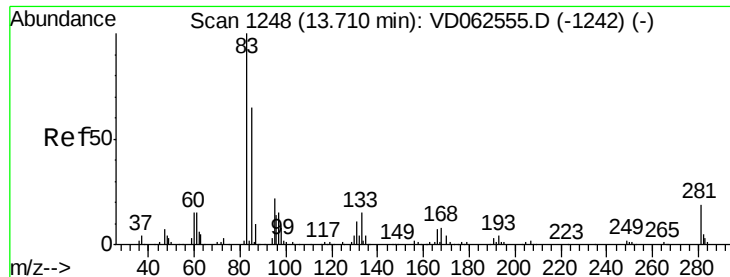
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.128 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

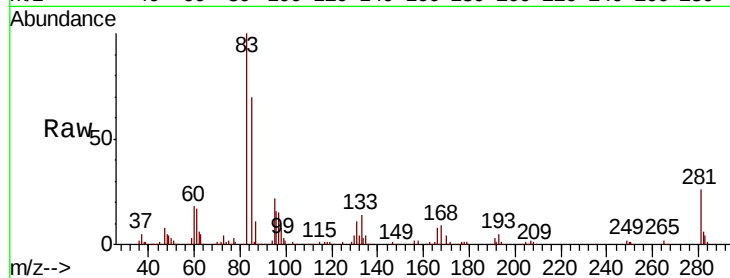
Tot Ion: 83 Resp: 287528

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.1

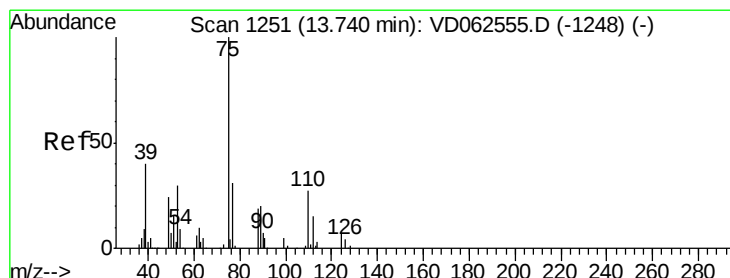
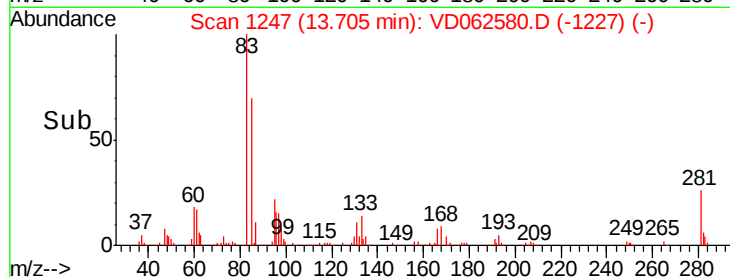
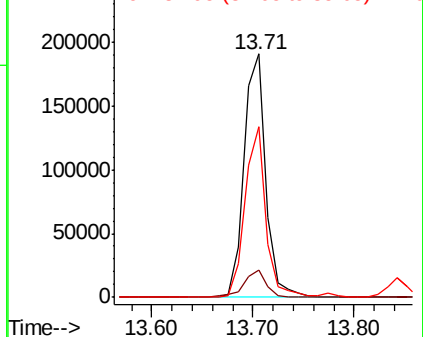
85 70.1 32.6 97.8



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: 52.557 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062580.D

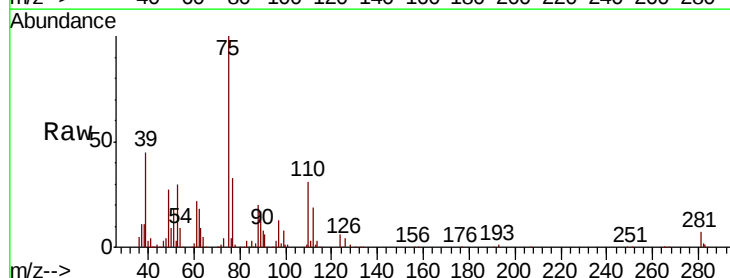
Acq: 3 Jun 2019 12:24

Tgt Ion: 75 Resp: 339145

Ion Ratio Lower Upper

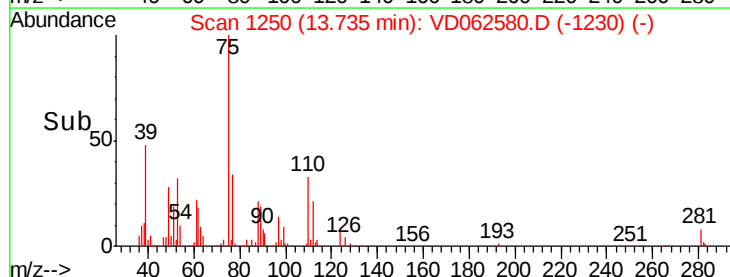
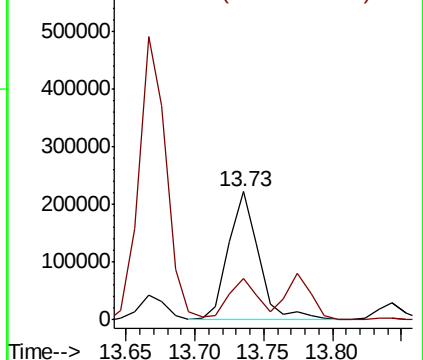
75 100

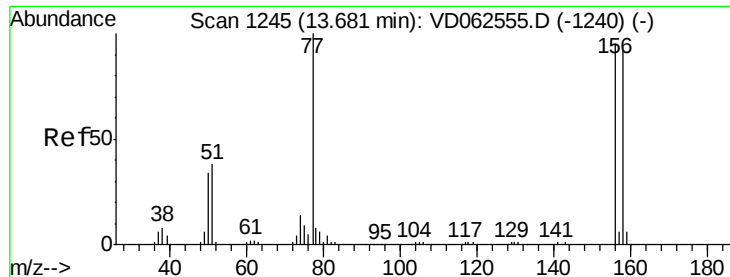
77 32.6 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.813 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

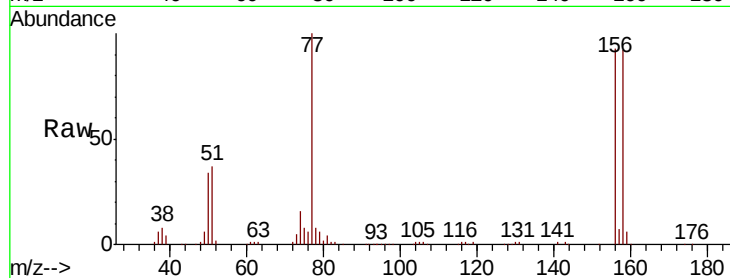
Tot Ion:156 Resp: 513459

Ion Ratio Lower Upper

156 100

77 107.7 52.9 158.7

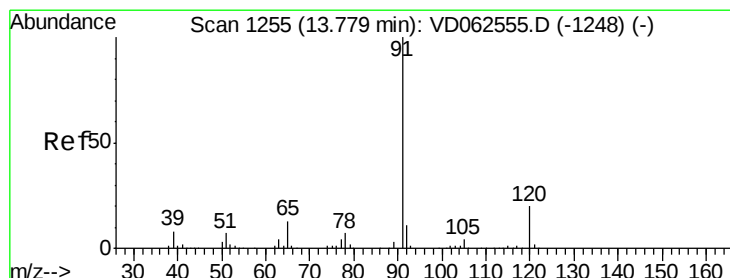
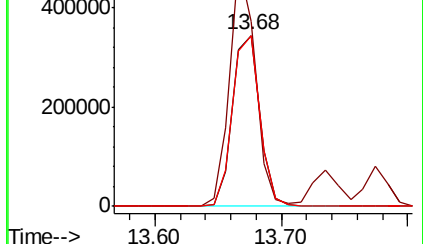
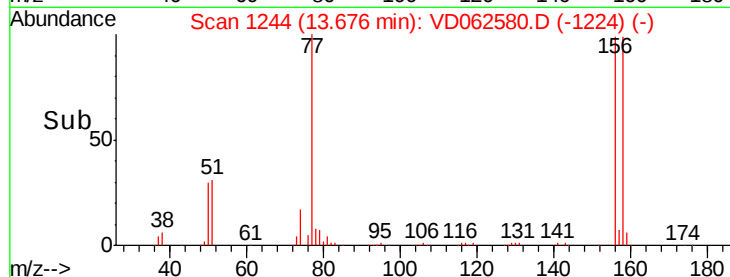
158 99.6 48.5 145.5



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: 55.384 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062580.D

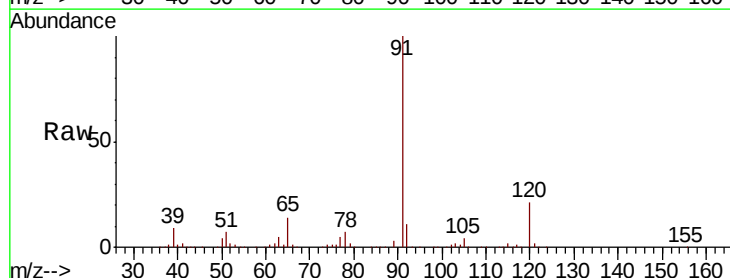
Acq: 3 Jun 2019 12:24

Tgt Ion: 91 Resp: 2263659

Ion Ratio Lower Upper

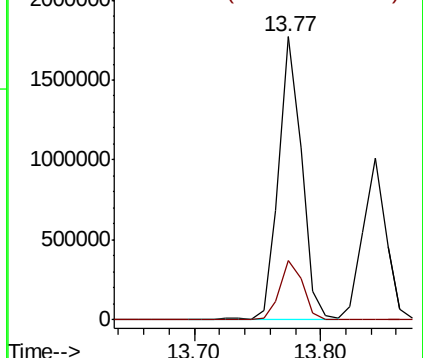
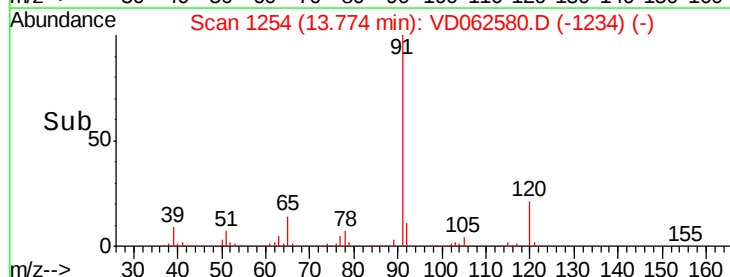
91 100

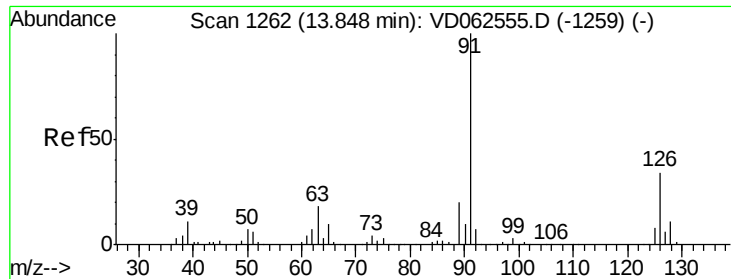
120 21.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.352 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062580.D

Acq: 3 Jun 2019 12:24

Instrument :

MSVOA_D

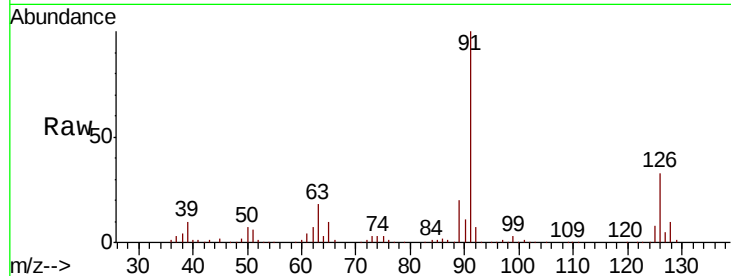
ClientSampled :

Tot Ion: 91 Resp: 1288095

Ion Ratio Lower Upper

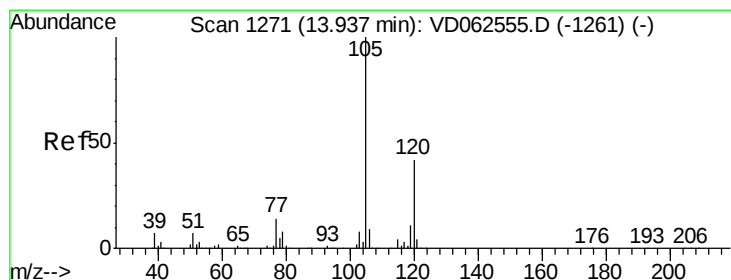
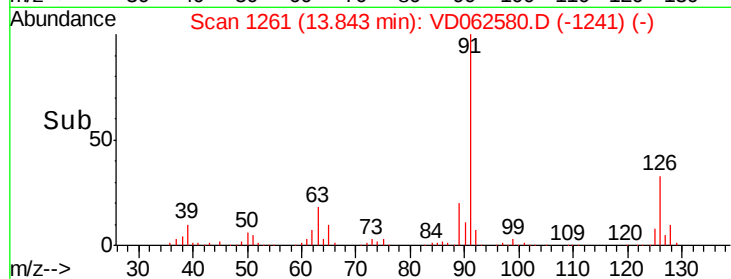
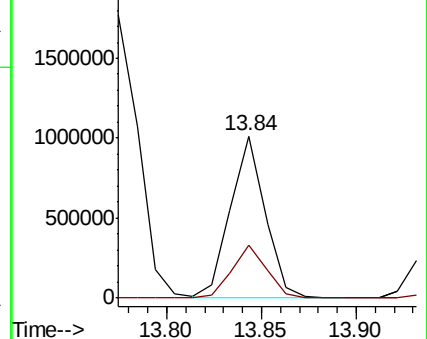
91 100

126 32.8 16.7 50.1



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: 53.560 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062580.D

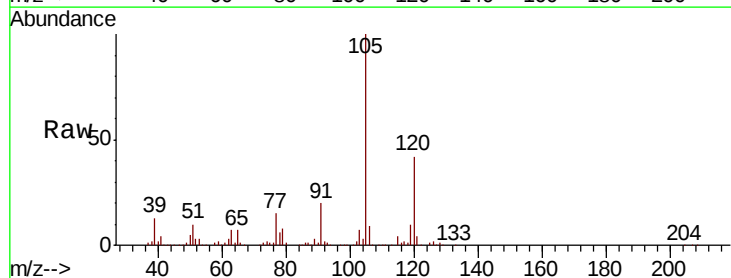
Acq: 3 Jun 2019 12:24

Tgt Ion:105 Resp: 1622867

Ion Ratio Lower Upper

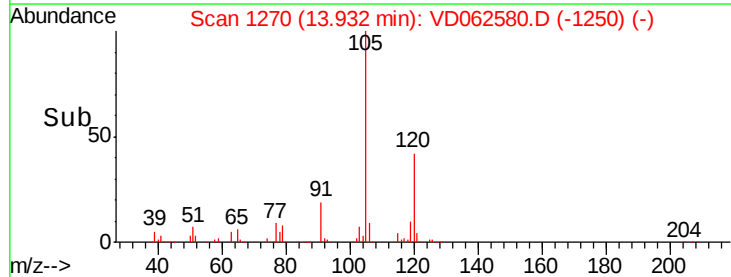
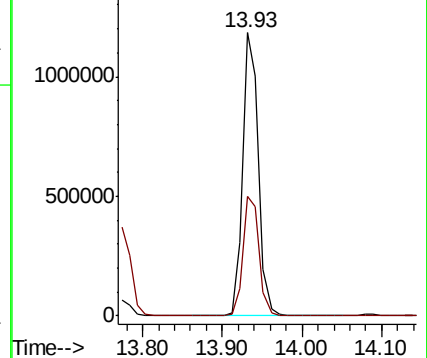
105 100

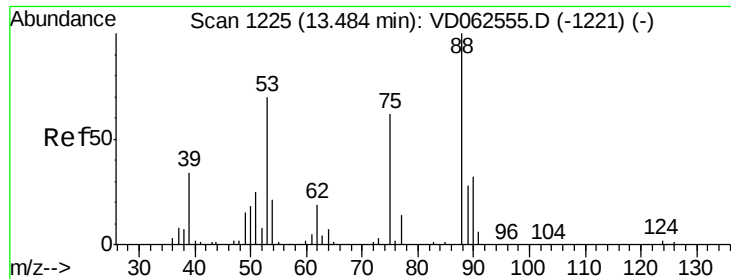
120 42.0 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

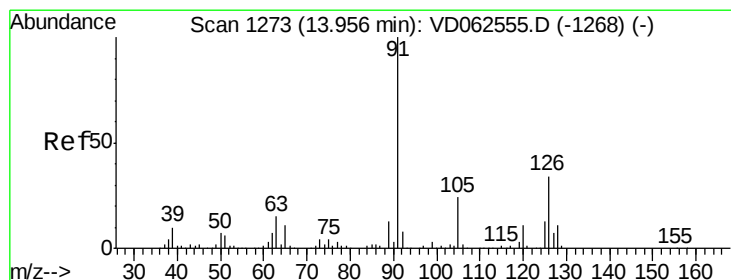
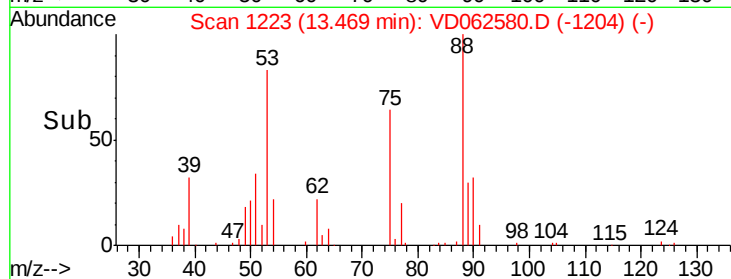
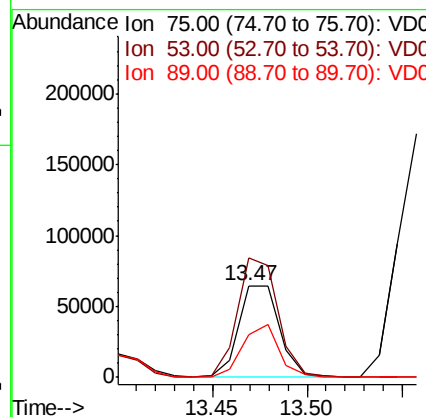
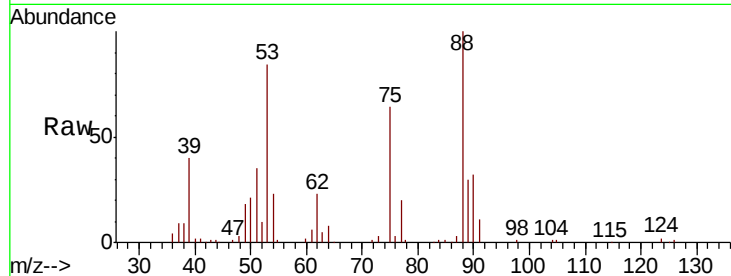




#81
trans-1,4-Dichloro-2-butene
Concen: 52.337 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

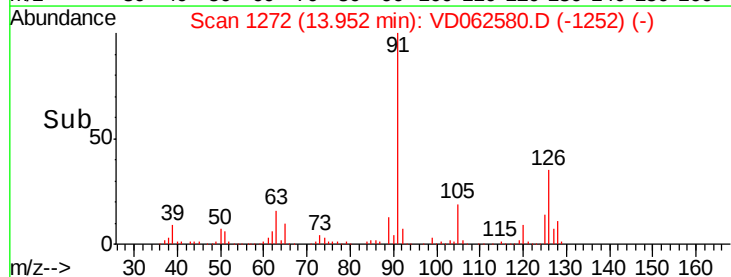
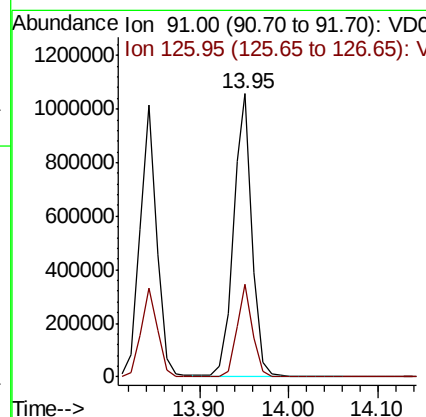
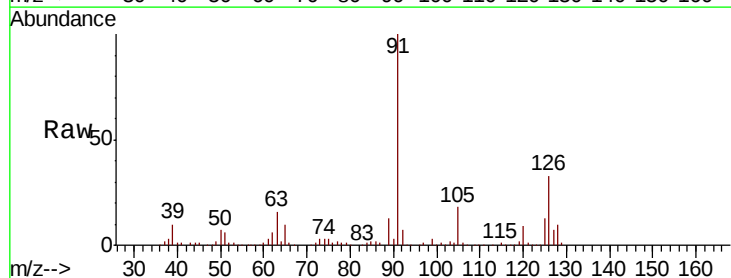
Instrument :
MSVOA_D
ClientSampleId :

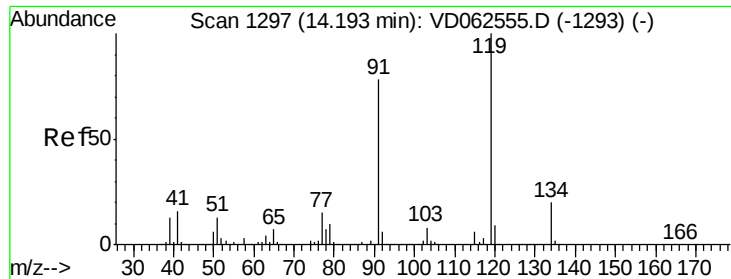
Tot Ion: 75 Resp: 96771
Ion Ratio Lower Upper
75 100
53 131.2 91.0 136.4
89 46.4 36.9 55.3



#82
4-Chlorotoluene
Concen: 54.118 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 91 Resp: 1535432
Ion Ratio Lower Upper
91 100
126 32.6 16.9 50.7

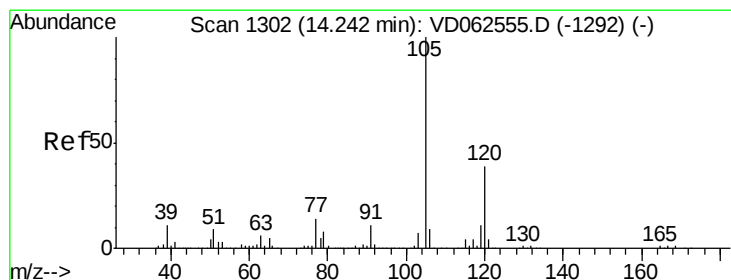
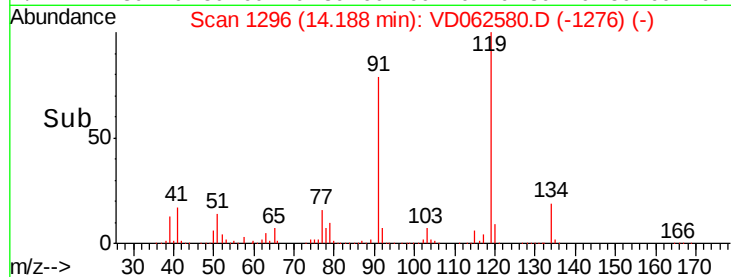
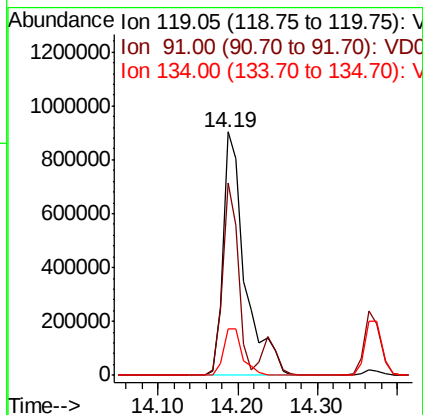
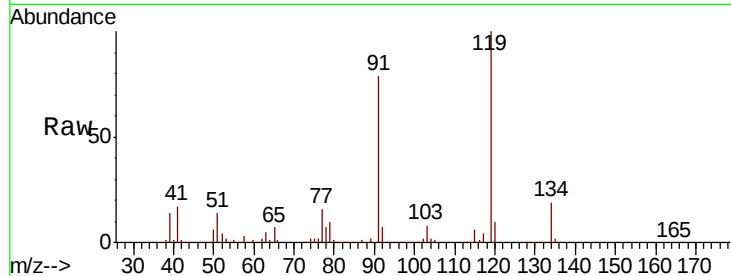




#83
 tert-Butylbenzene
 Concen: 51.502 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

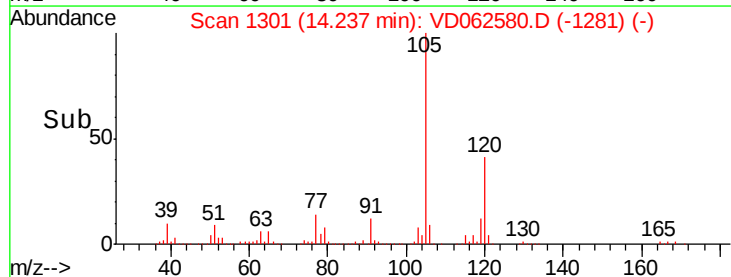
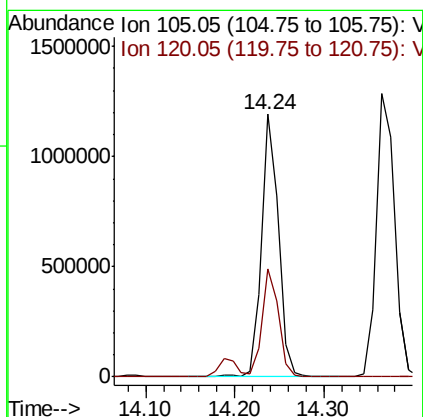
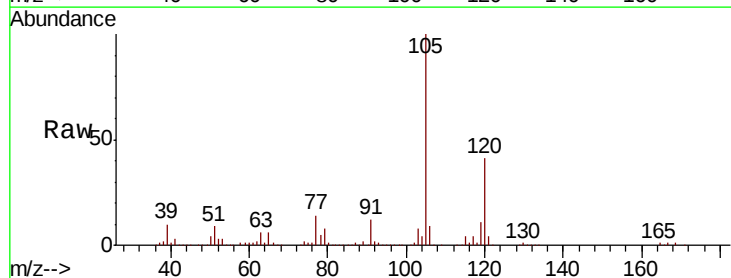
Instrument :
 MSVOA_D
 ClientSampleId :

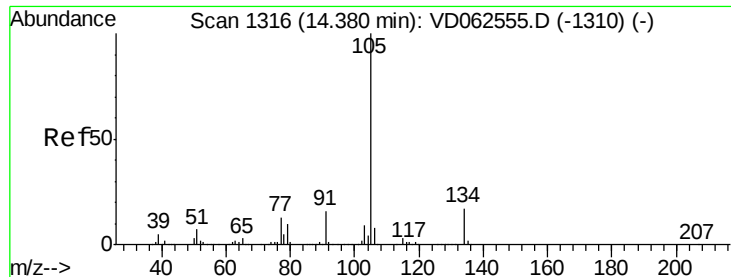
Tot Ion:119 Resp: 1741255
 Ion Ratio Lower Upper
 119 100
 91 79.3 39.1 117.5
 134 19.1 10.1 30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 50.050 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion:105 Resp: 1545294
 Ion Ratio Lower Upper
 105 100
 120 41.1 19.6 58.8

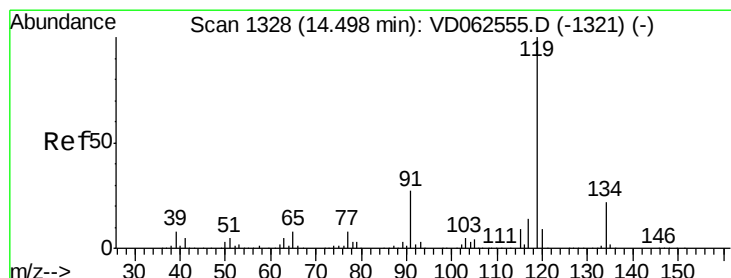
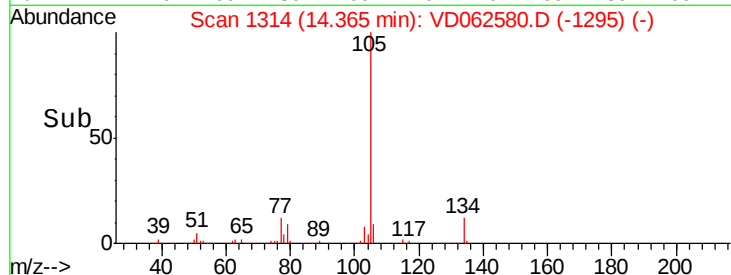
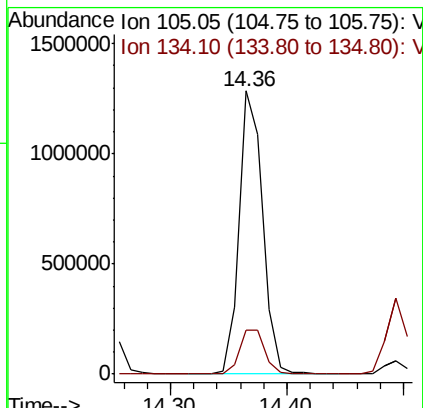
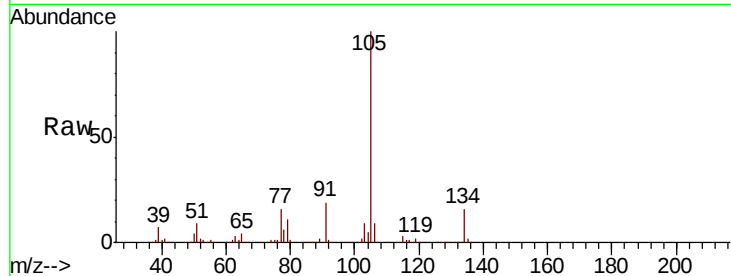




#85
 sec-Butylbenzene
 Concen: 49.850 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

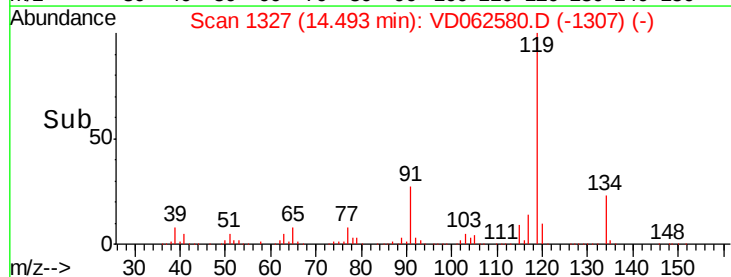
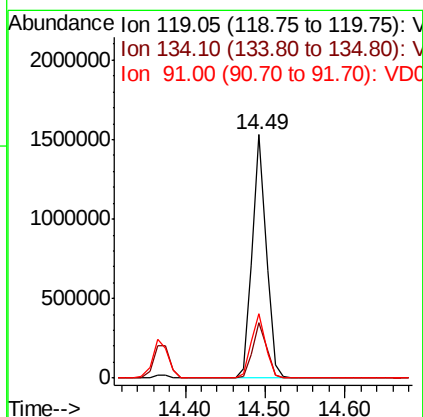
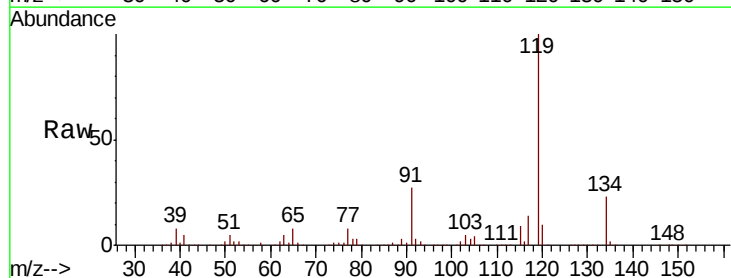
Instrument :
 MSVOA_D
 ClientSampled :

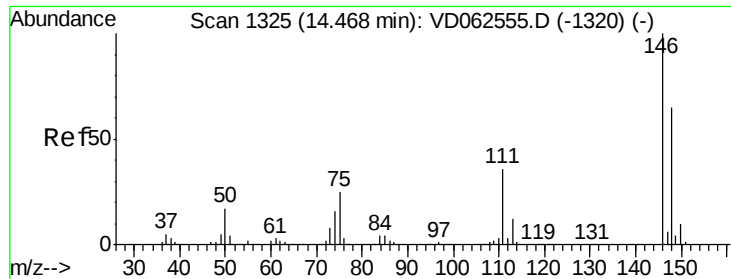
Tot Ion:105 Resp: 1785399
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 54.604 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion:119 Resp: 1827141
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.2 33.6
 91 26.6 13.6 40.7

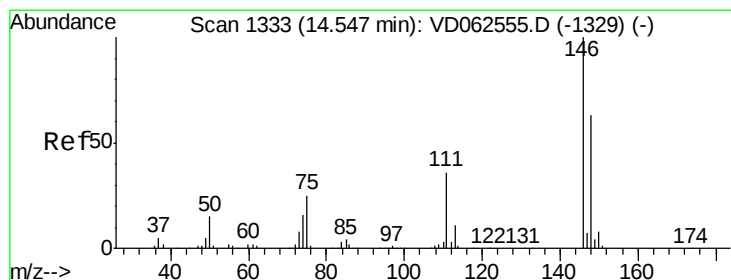
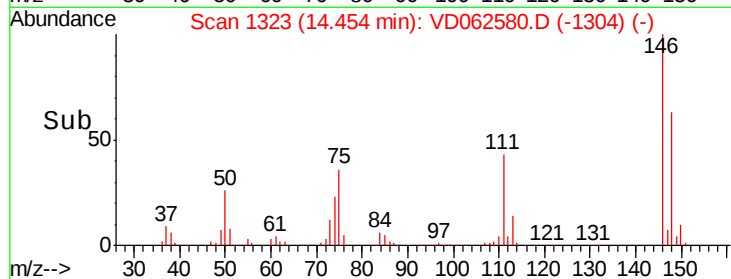
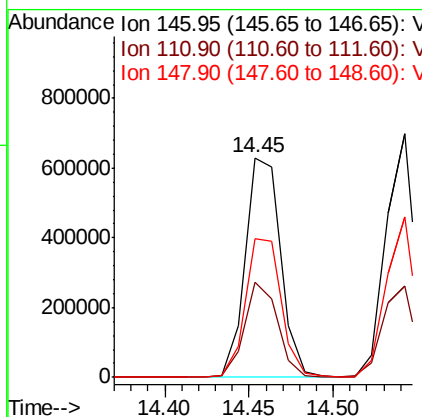
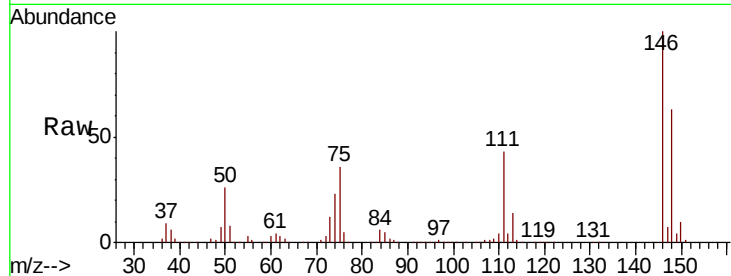




#87
 1,3-Dichlorobenzene
 Concen: 54.537 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

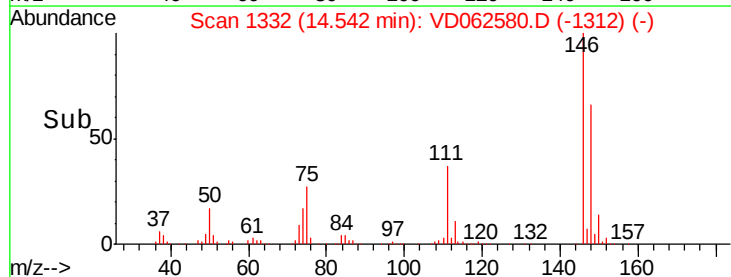
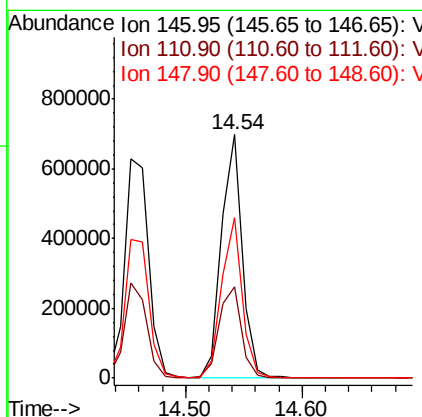
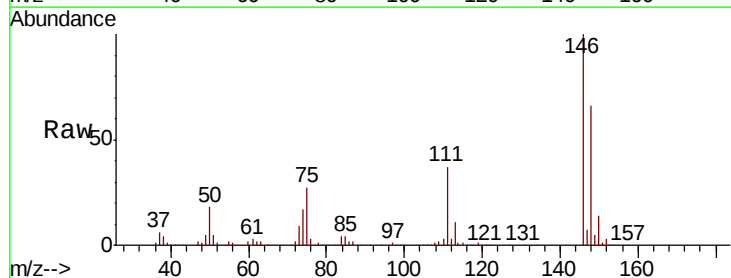
Instrument :
 MSVOA_D
 ClientSampleId :

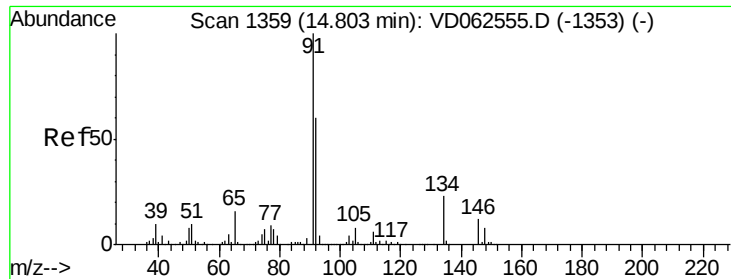
Tot Ion:146 Resp: 919114
 Ion Ratio Lower Upper
 146 100
 111 43.4 18.1 54.4
 148 63.2 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 51.208 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion:146 Resp: 864838
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.2 54.6
 148 65.8 31.6 94.8

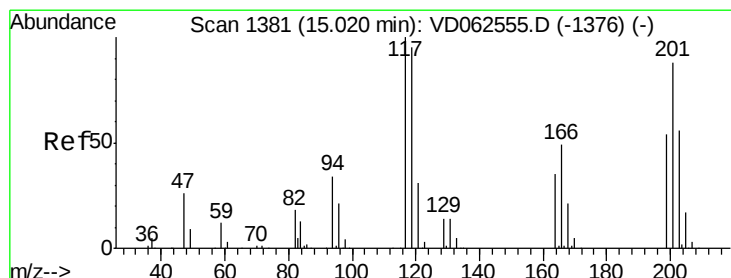
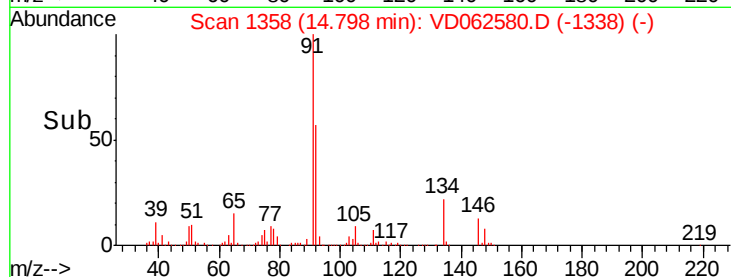
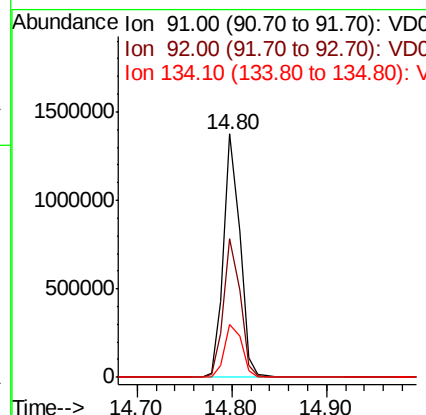
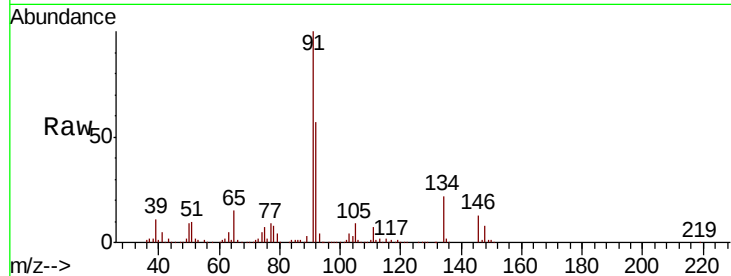




#89
n-Butylbenzene
Concen: 55.290 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

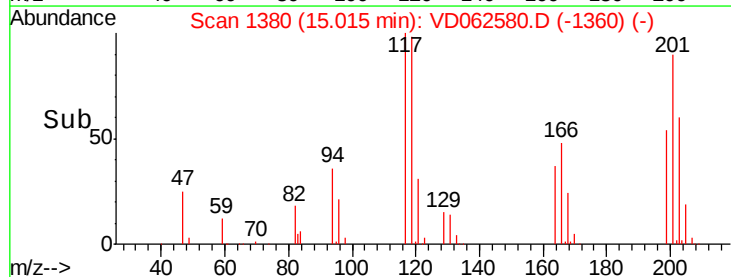
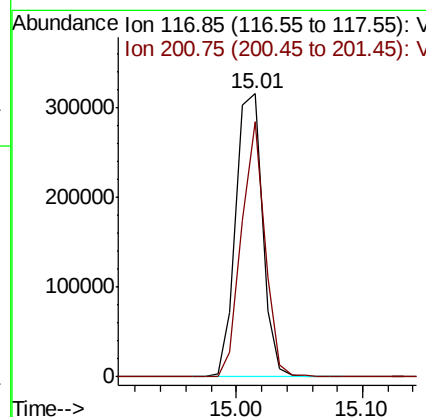
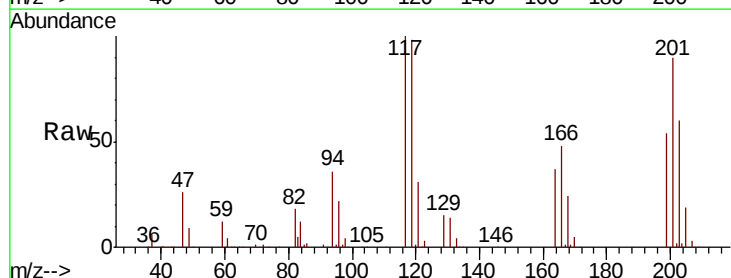
Instrument :
MSVOA_D
ClientSampleId :

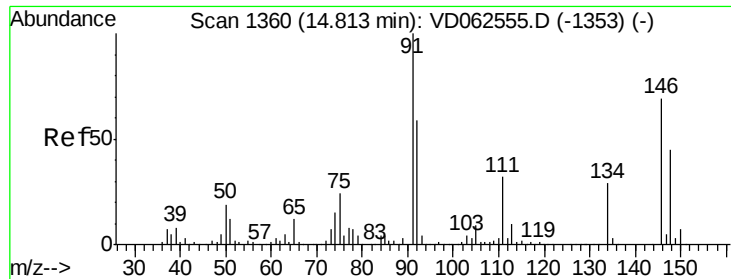
Tot Ion: 91 Resp: 1651566
Ion Ratio Lower Upper
91 100
92 57.2 29.8 89.4
134 21.9 11.3 33.8



#90
Hexachloroethane
Concen: 52.094 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion: 117 Resp: 462462
Ion Ratio Lower Upper
117 100
201 90.0 43.8 131.4

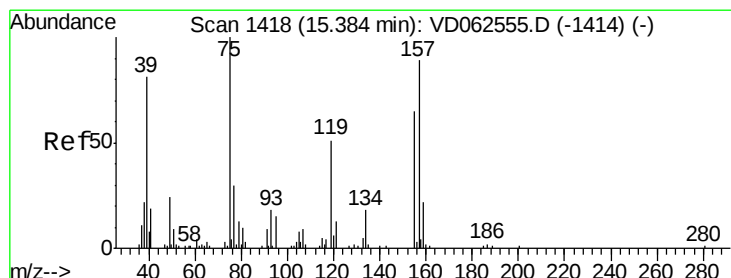
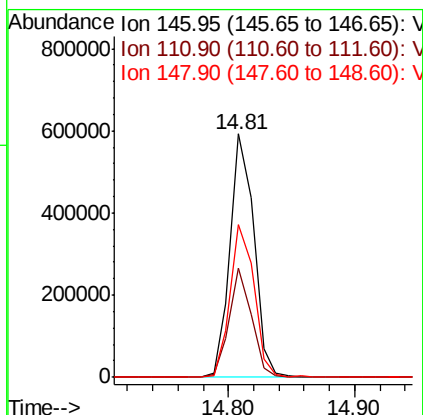
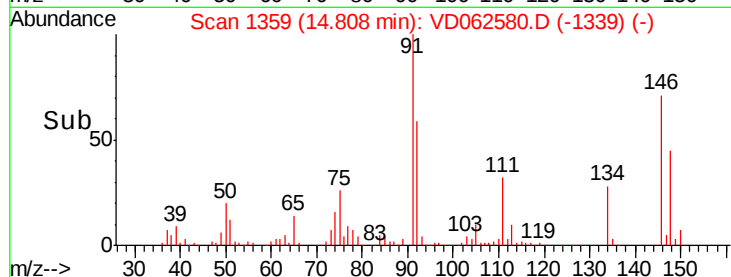
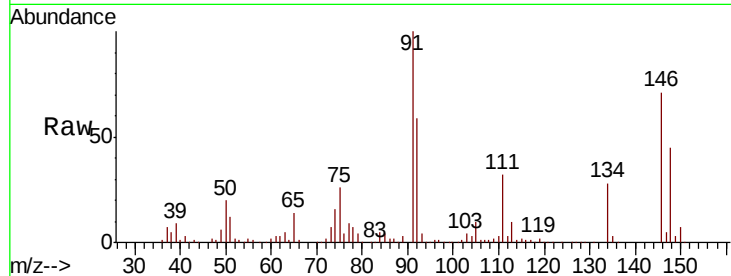




#91
 1,2-Dichlorobenzene
 Concen: 54.531 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

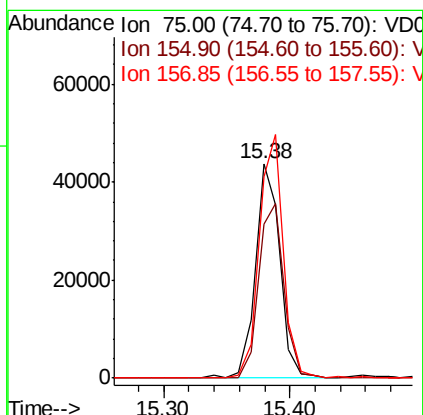
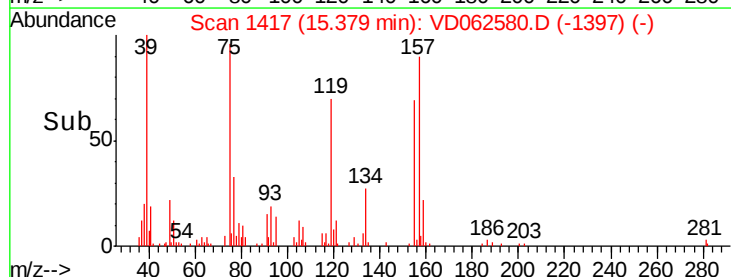
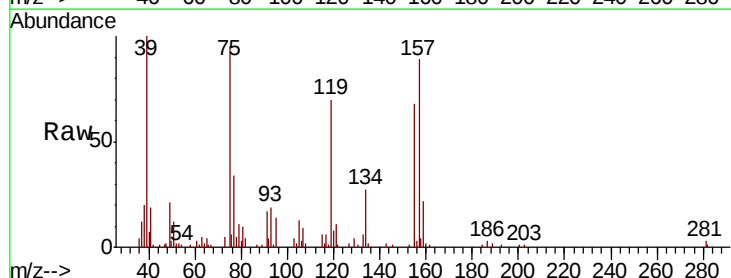
Instrument :
 MSVOA_D
 ClientSampleId :

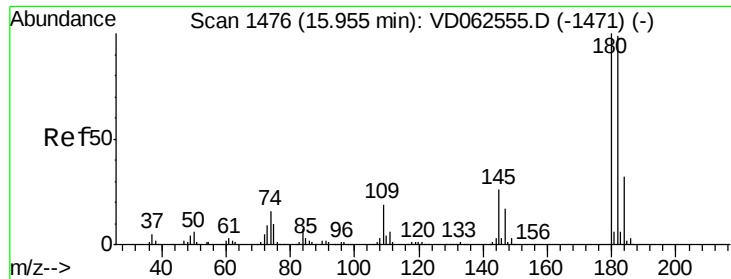
Tot Ion:146 Resp: 773104
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.8 68.4
 148 63.0 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.586 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion: 75 Resp: 58988
 Ion Ratio Lower Upper
 75 100
 155 72.0 32.6 97.8
 157 93.6 44.5 133.7

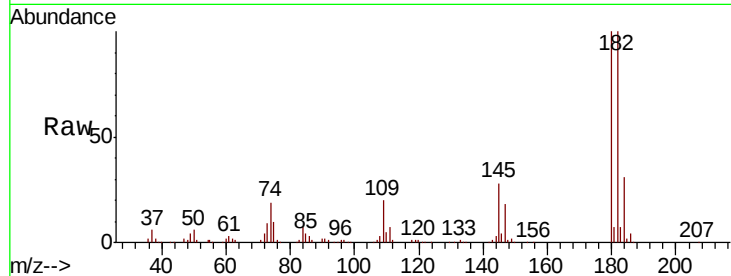




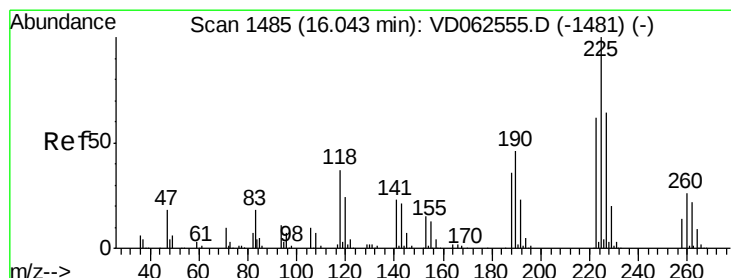
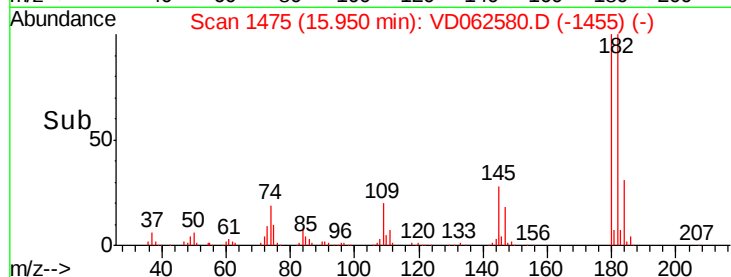
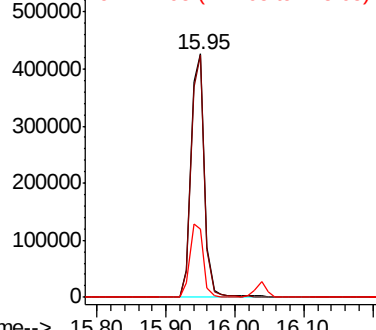
#93
 1,2,4-Trichlorobenzene
 Concen: 51.004 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 578191
 Ion Ratio Lower Upper
 180 100
 182 99.7 49.5 148.3
 145 28.1 13.1 39.3

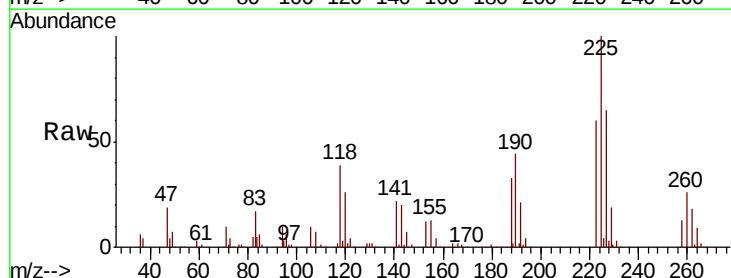


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

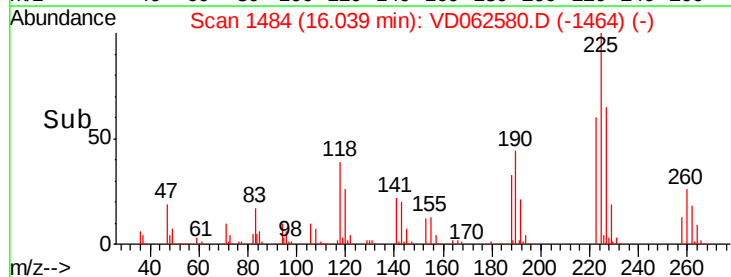
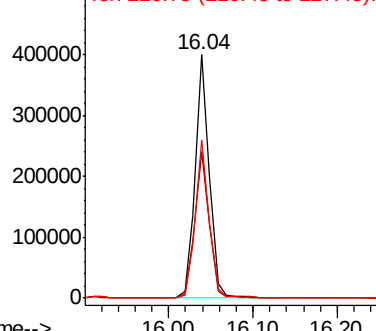


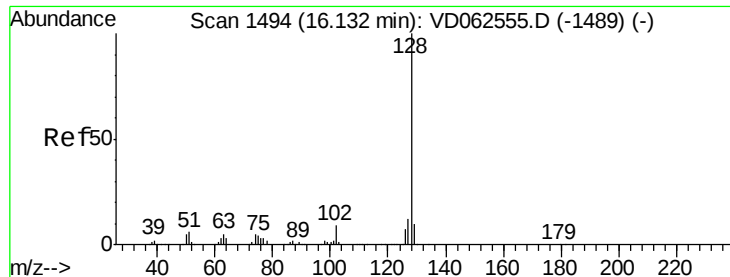
#94
 Hexachlorobutadiene
 Concen: 55.565 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062580.D
 Acq: 3 Jun 2019 12:24

Tgt Ion:225 Resp: 464999
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.1 93.5
 227 65.0 32.1 96.5



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

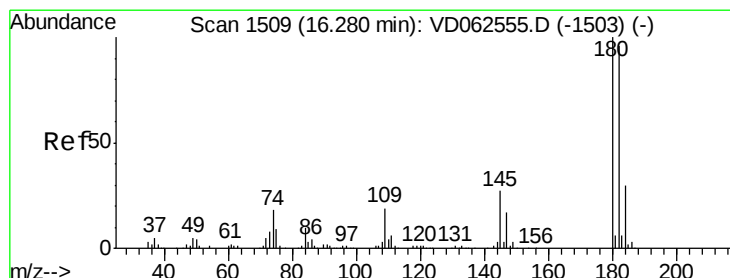
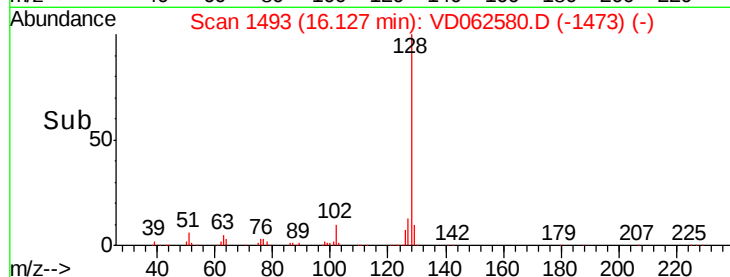
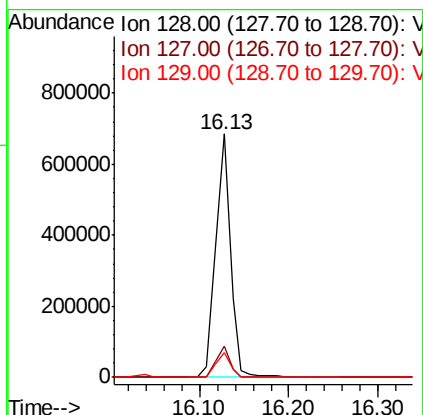
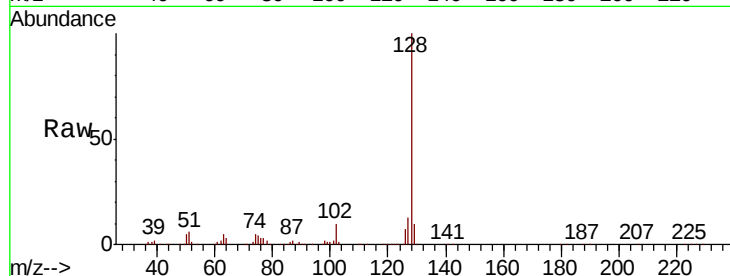




#95
Naphthalene
Concen: 51.581 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 796318
Ion Ratio Lower Upper
128 100
127 12.9 9.7 14.5
129 10.3 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 51.971 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062580.D
Acq: 3 Jun 2019 12:24

Tgt Ion:180 Resp: 440087
Ion Ratio Lower Upper
180 100
182 99.9 48.1 144.3
145 28.6 13.3 39.9

