

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063146.D
 Acq On : 19 Jul 2019 11:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 20 04:58:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	772952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1116025	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	868904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	509348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	463913	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	6.92	113	521288	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	10.41	98	1118967	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
62) 4-Bromofluorobenzene	13.56	95	518876	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	404030	49.121	ug/l	99
3) Chloromethane	1.74	50	351380	50.238	ug/l	96
4) Vinyl Chloride	1.84	62	359333	43.558	ug/l	99
5) Bromomethane	2.15	94	174678	55.934	ug/l	99
6) Chloroethane	2.26	64	192336	50.191	ug/l	91
7) Trichlorofluoromethane	2.52	101	784180	46.957	ug/l	93
8) Diethyl Ether	2.87	74	121281	51.627	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	453446	47.089	ug/l	98
10) Methyl Iodide	3.29	142	627349	53.067	ug/l	97
11) Tert butyl alcohol	4.07	59	141717	255.035	ug/l	96
12) 1,1-Dichloroethene	3.11	96	335292	49.033	ug/l	96
13) Acrolein	3.02	56	16863	100.547	ug/l	93
14) Allyl chloride	3.61	41	555860	51.722	ug/l	93
15) Acrylonitrile	4.19	53	334072	271.972	ug/l	92
16) Acetone	3.21	43	699483	300.777	ug/l	94
17) Carbon Disulfide	3.36	76	873239	44.615	ug/l	99
18) Methyl Acetate	3.63	43	186347	59.927	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	938421	54.365	ug/l	99
20) Methylene Chloride	3.80	84	414533	47.181	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	380040	50.065	ug/l	91
22) Diisopropyl ether	5.11	45	1208839	51.735	ug/l	96
23) Vinyl Acetate	5.05	43	3847413	282.233	ug/l	98
24) 1,1-Dichloroethane	4.97	63	772730	53.688	ug/l	97
25) 2-Butanone	6.07	43	603663	271.829	ug/l	96
26) 2,2-Dichloropropane	6.02	77	742336	46.602	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	430281	49.829	ug/l	93
28) Bromochloromethane	6.43	49	267881	51.301	ug/l	97
29) Tetrahydrofuran	6.45	42	272785	270.975	ug/l	96
30) Chloroform	6.66	83	910785	51.381	ug/l	98
31) Cyclohexane	6.94	56	419529	45.769	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	881769	50.446	ug/l	98
36) 1,1-Dichloropropene	7.14	75	575517	45.852	ug/l	96
37) Ethyl Acetate	6.17	43	277649	51.686	ug/l	99
38) Carbon Tetrachloride	7.10	117	917745	48.119	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	466767	43.014	ug/l	97
40) Benzene	7.44	78	1195726	45.485	ug/l	98
41) Methacrylonitrile	6.44	41	376469	51.692	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	673181	48.065	ug/l	100
43) Isopropyl Acetate	9.24	43	357256	46.399	ug/l #	97
44) Trichloroethene	8.54	130	499025	49.119	ug/l	95
45) 1,2-Dichloropropane	8.93	63	322817	49.253	ug/l	92
46) Dibromomethane	9.06	93	265100	47.068	ug/l	91
47) Bromodichloromethane	9.37	83	712039	48.446	ug/l	98
48) Methyl methacrylate	9.12	41	259302	51.282	ug/l	95
49) 1,4-Dioxane	9.09	88	44180	1013.135	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	1322328	258.931	ug/l	100
52) Toluene	10.51	92	792627	45.152	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	613421	48.715	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	607872	46.688	ug/l	91
55) 1,1,2-Trichloroethane	11.18	97	303777	50.074	ug/l	99
56) Ethyl methacrylate	11.04	69	354711	52.331	ug/l	97
57) 1,3-Dichloropropane	11.40	76	454935	49.282	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	834482	221.105	ug/l	100
59) 2-Hexanone	11.53	43	1048003	266.094	ug/l	98
60) Dibromochloromethane	11.69	129	558709	48.045	ug/l	94
61) 1,2-Dibromoethane	11.80	107	371752	51.194	ug/l	93
64) Tetrachloroethene	11.25	164	400113	47.456	ug/l	97
65) Chlorobenzene	12.40	112	1026125	50.238	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	495934	52.370	ug/l	97
67) Ethyl Benzene	12.52	91	1750692	49.330	ug/l	98
68) m/p-Xylenes	12.66	106	1294026	101.801	ug/l	98
69) o-Xylene	13.04	106	614065	50.947	ug/l	98
70) Styrene	13.07	104	1089453	51.638	ug/l	96
71) Bromoform	13.23	173	363944	54.895	ug/l	99
73) Isopropylbenzene	13.40	105	1834595	46.640	ug/l	98
74) N-amyl acetate	13.26	43	514476	46.897	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	344252	48.101	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	379011	48.373	ug/l	95
77) Bromobenzene	13.67	156	522933	46.879	ug/l	83
78) n-propylbenzene	13.77	91	2032843	44.909	ug/l	99
79) 2-Chlorotoluene	13.84	91	1160046	42.385	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1542942	45.006	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	97674	47.339	ug/l	97
82) 4-Chlorotoluene	13.94	91	1470353	46.006	ug/l	91
83) tert-Butylbenzene	14.19	119	1681212	43.371	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1644388	48.112	ug/l	97
85) sec-Butylbenzene	14.36	105	1896550	46.049	ug/l	97
86) p-Isopropyltoluene	14.49	119	1726792	44.944	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	930127	46.691	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	911198	47.712	ug/l	96
89) n-Butylbenzene	14.80	91	1612673	45.539	ug/l	98
90) Hexachloroethane	15.00	117	474958	46.242	ug/l	77
91) 1,2-Dichlorobenzene	14.81	146	852385	48.052	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	65350	47.638	ug/l	86

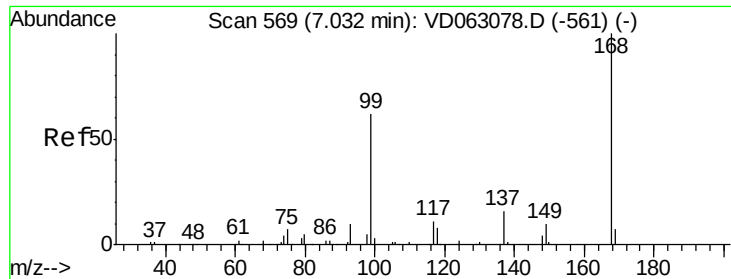
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	643530	48.288	ug/l	98
94) Hexachlorobutadiene	16.04	225	472025	48.052	ug/l	95
95) Naphthalene	16.13	128	908752	46.616	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	514334	47.975	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

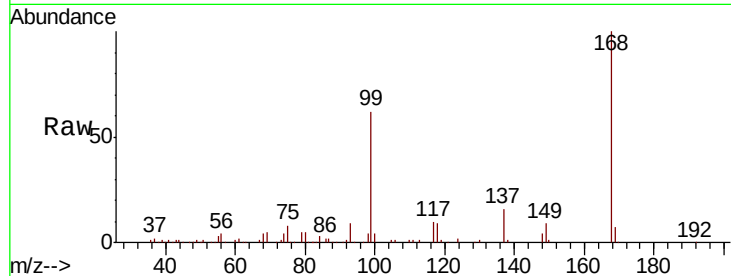
VSTDCCC050

Tot Ion:168 Resp: 772952

Ion Ratio Lower Upper

168 100

99 62.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

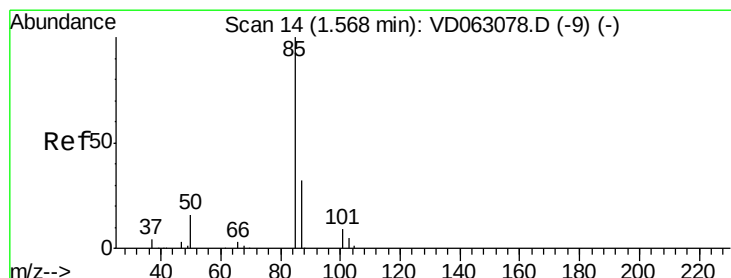
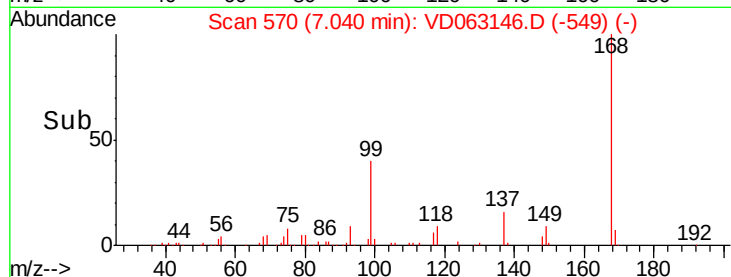
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.121 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063146.D

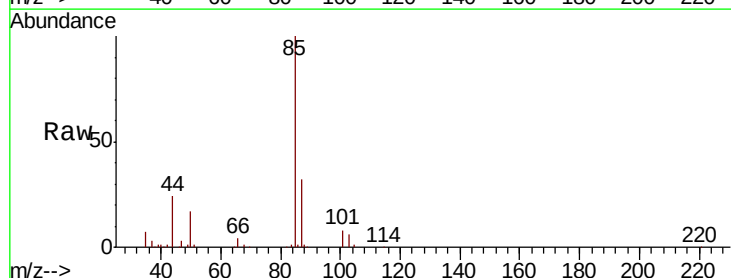
Acq: 19 Jul 2019 11:20

Tgt Ion: 85 Resp: 404030

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

150000

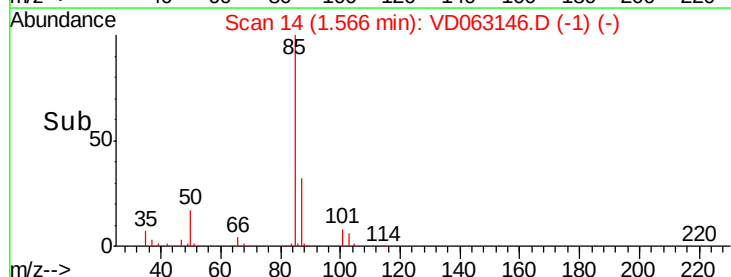
100000

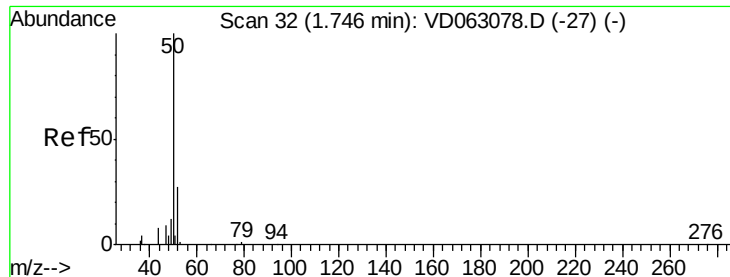
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 50.238 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

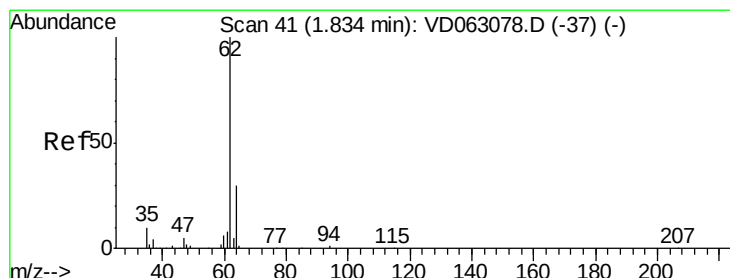
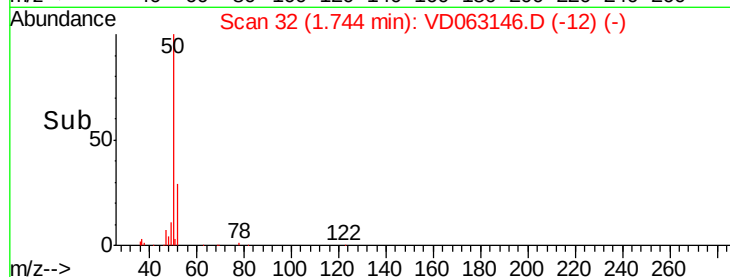
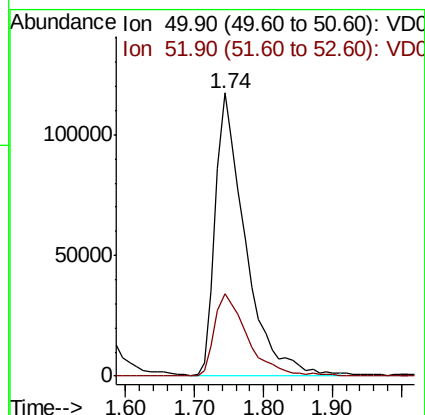
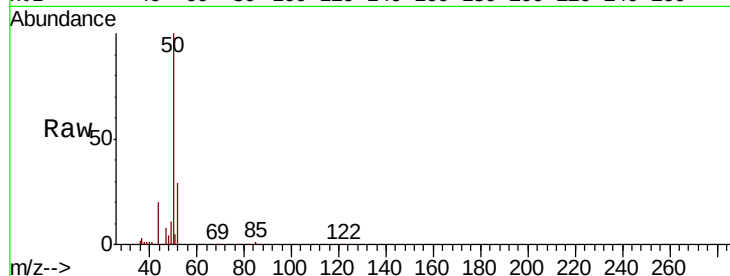
VSTDCCC050

Tot Ion: 50 Resp: 351380

Ion Ratio Lower Upper

50 100

52 28.9 21.4 32.2



#4

Vinyl Chloride

Concen: 43.558 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063146.D

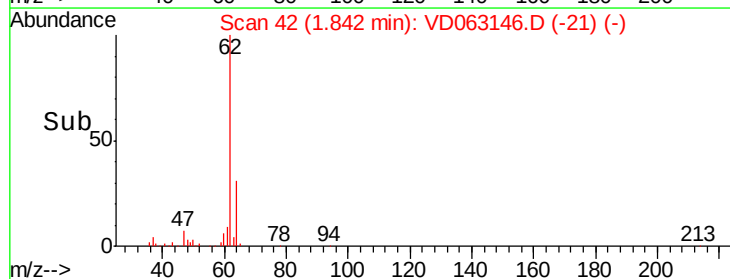
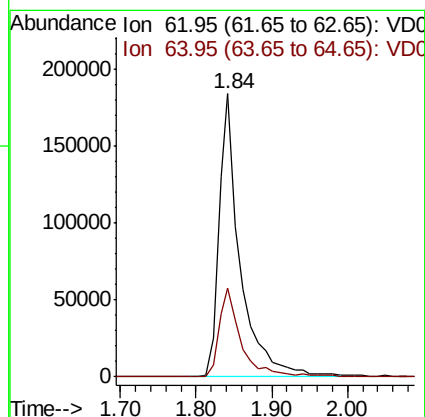
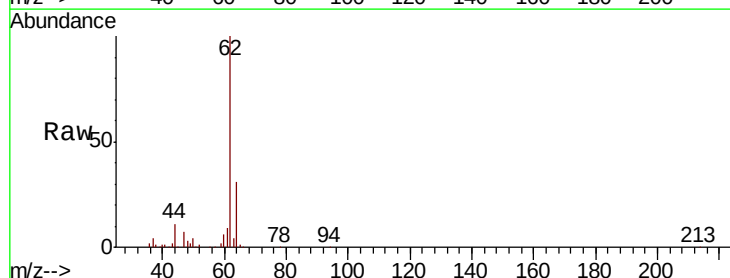
Acq: 19 Jul 2019 11:20

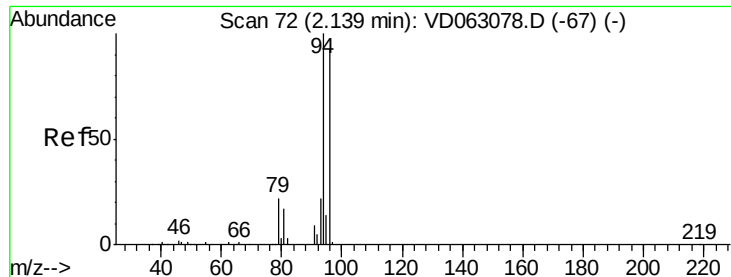
Tgt Ion: 62 Resp: 359333

Ion Ratio Lower Upper

62 100

64 31.3 24.4 36.6





#5

Bromomethane

Concen: 55.934 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

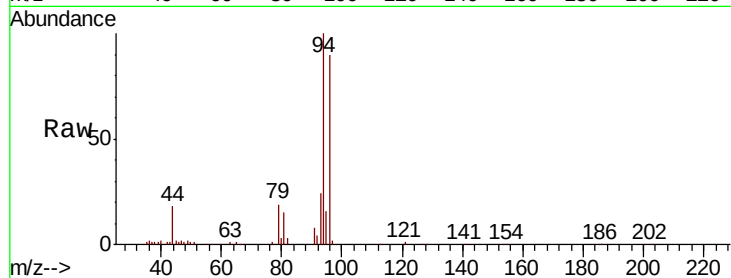
Tot Ion: 94 Resp: 174678

Ion Ratio Lower Upper

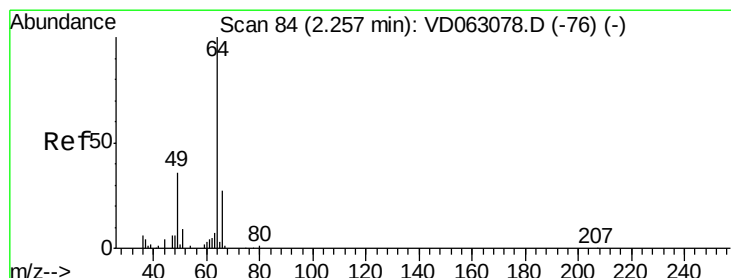
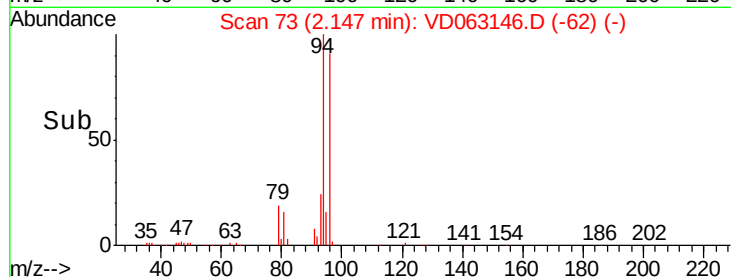
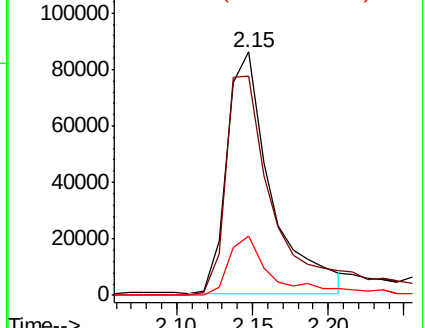
94 100

96 91.9 74.2 111.2

93 24.2 17.8 26.6



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: 50.191 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063146.D

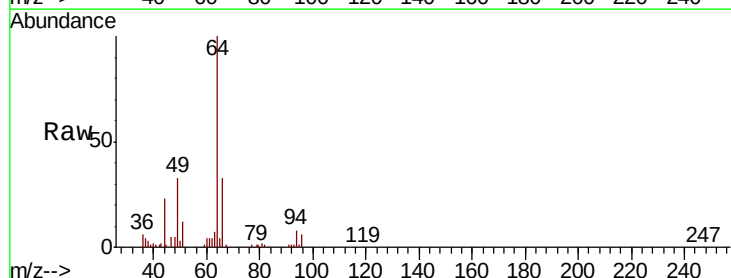
Acq: 19 Jul 2019 11:20

Tgt Ion: 64 Resp: 192336

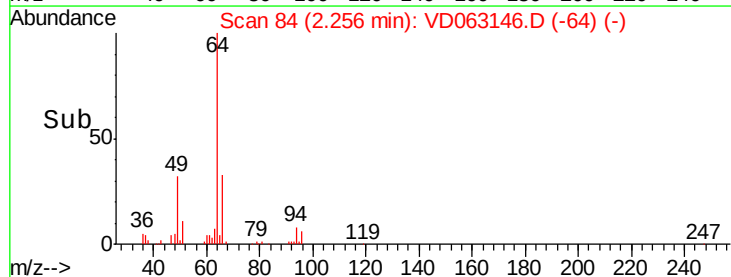
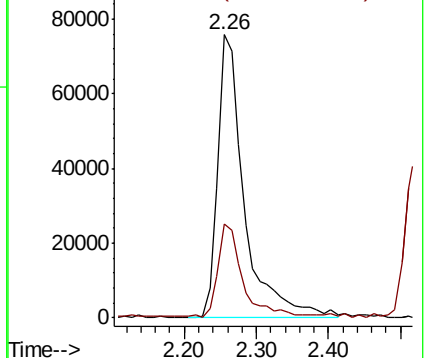
Ion Ratio Lower Upper

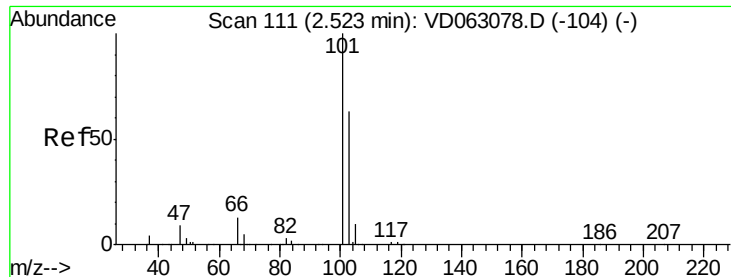
64 100

66 33.0 22.5 33.7



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



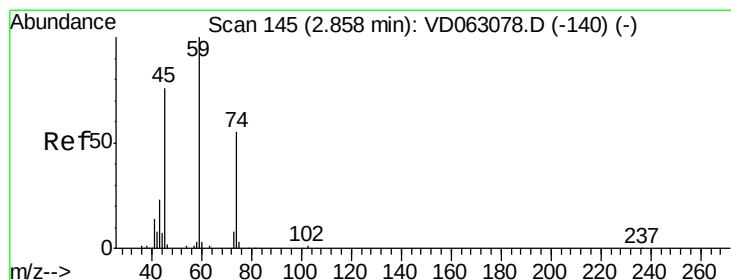
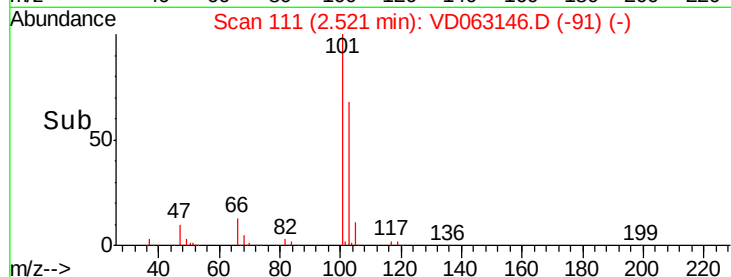
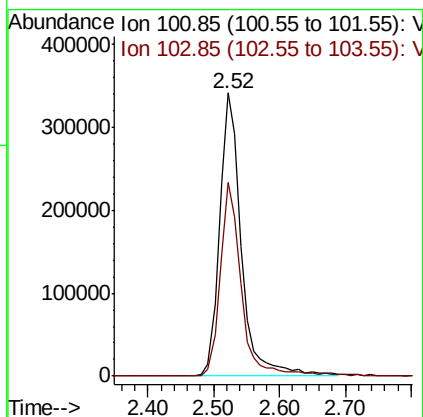
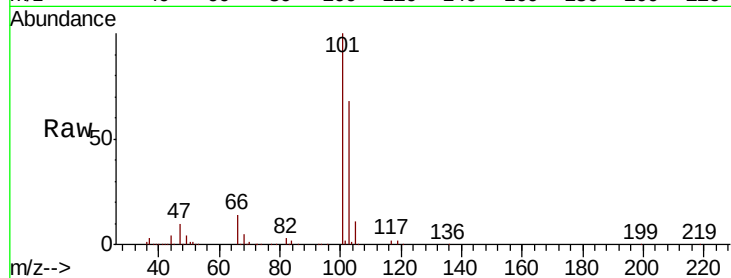


#7

Trichlorofluoromethane
Concen: 46.957 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063146.D
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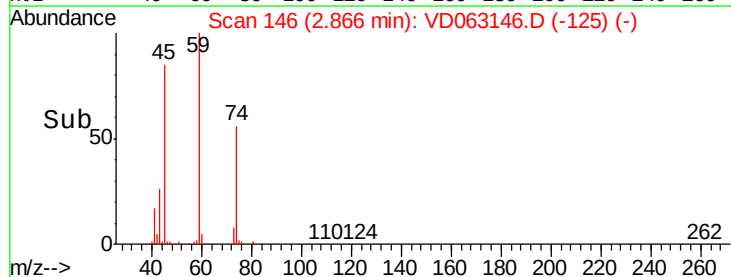
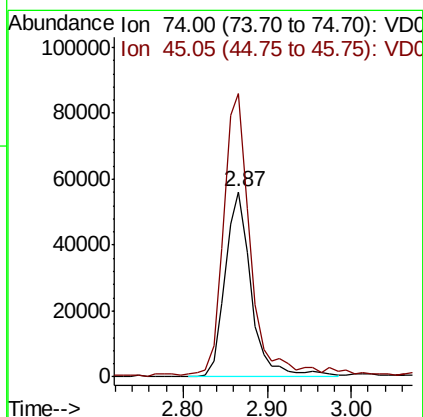
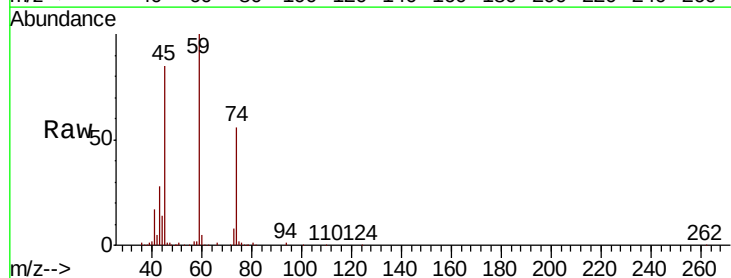
Tot Ion:101 Resp: 784180
Ion Ratio Lower Upper
101 100
103 68.5 50.6 76.0

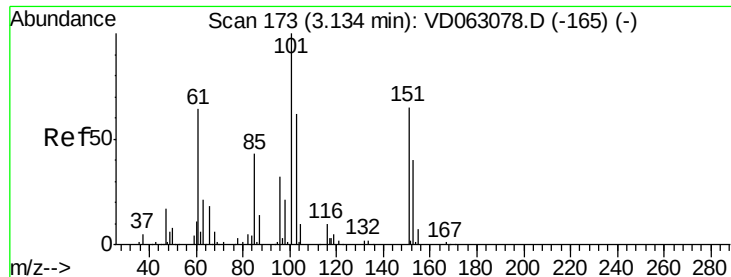


#8

Diethyl Ether
Concen: 51.627 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 74 Resp: 121281
Ion Ratio Lower Upper
74 100
45 153.0 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.089 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

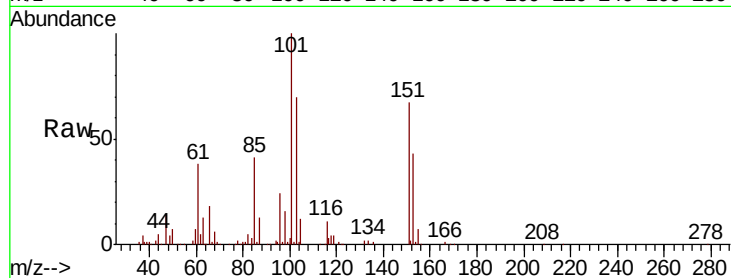
Tot Ion:101 Resp: 453446

Ion Ratio Lower Upper

101 100

85 40.9 34.6 51.8

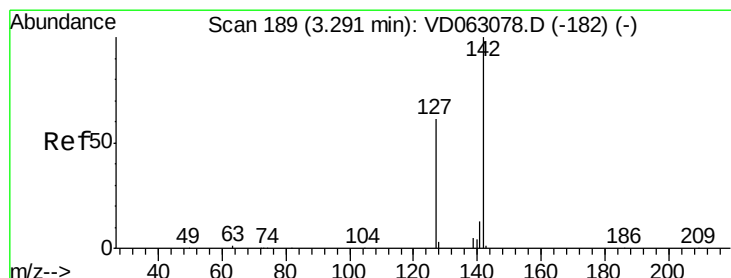
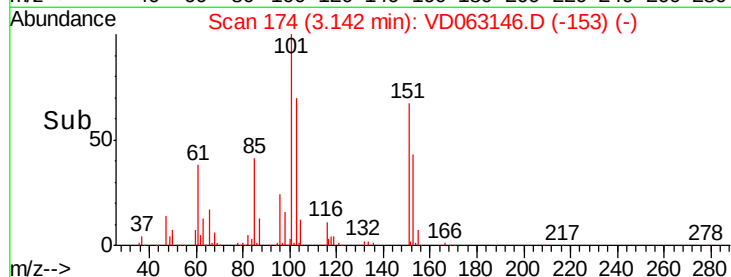
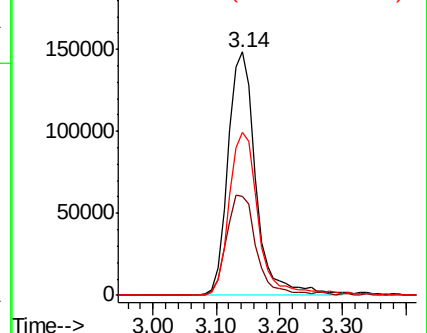
151 66.9 52.4 78.6



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: 53.067 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

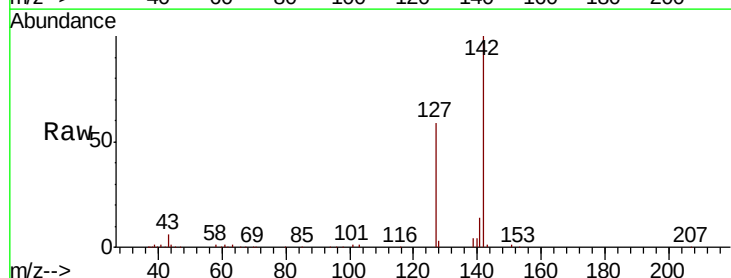
Tgt Ion:142 Resp: 627349

Ion Ratio Lower Upper

142 100

127 58.7 48.6 73.0

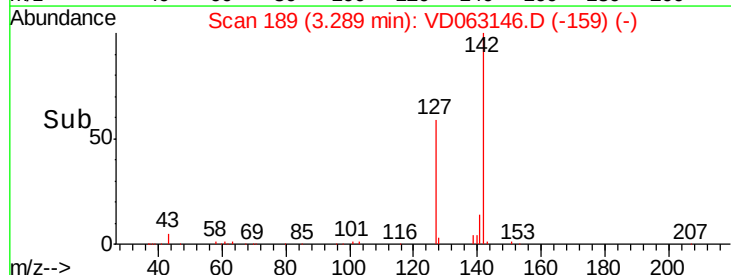
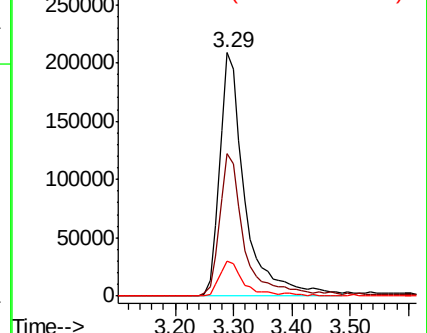
141 14.3 10.6 16.0

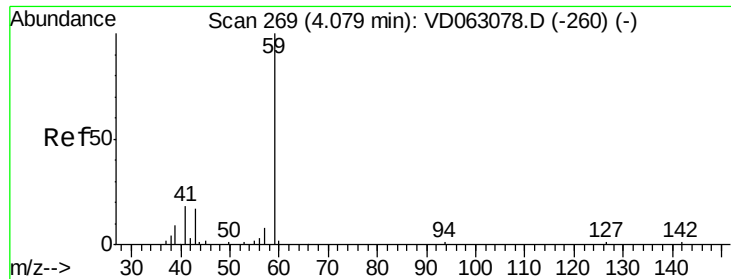


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



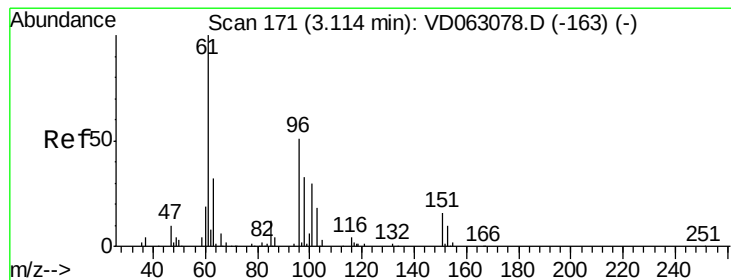
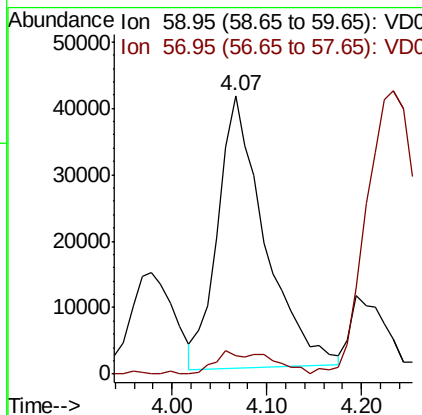
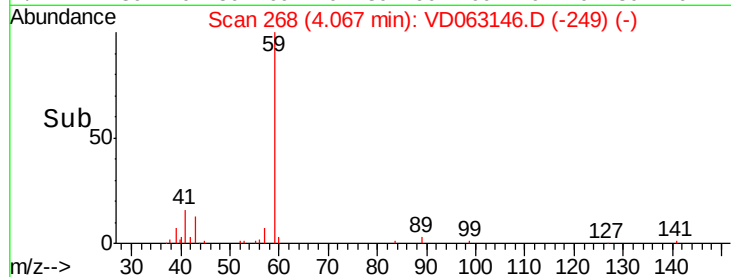
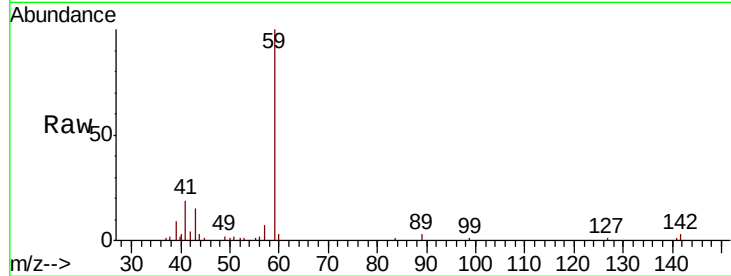


#11

Tert butyl alcohol
Concen: 255.035 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

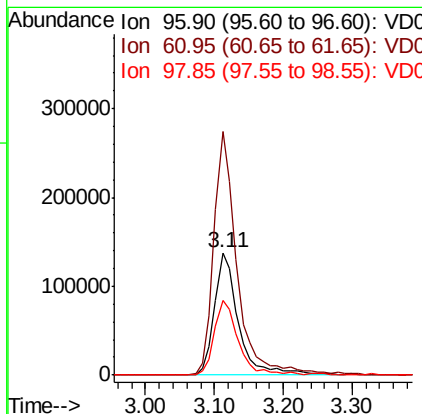
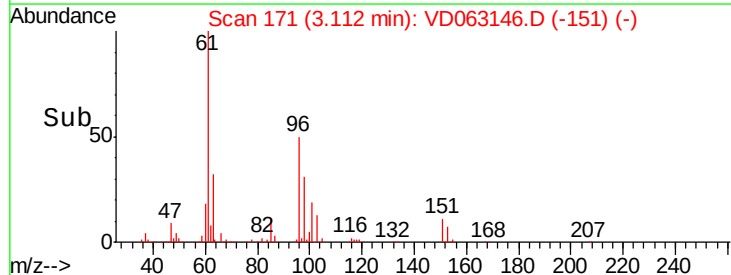
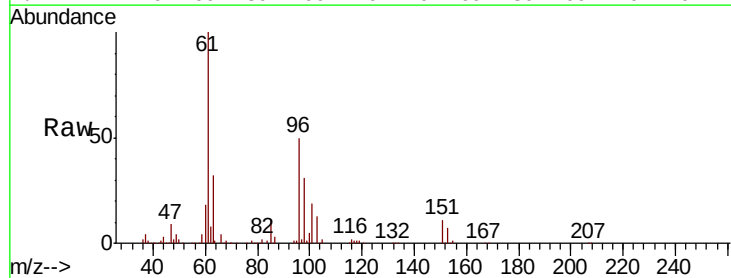
Tot Ion: 59 Resp: 141717
Ion Ratio Lower Upper
59 100
57 6.5 6.4 9.6

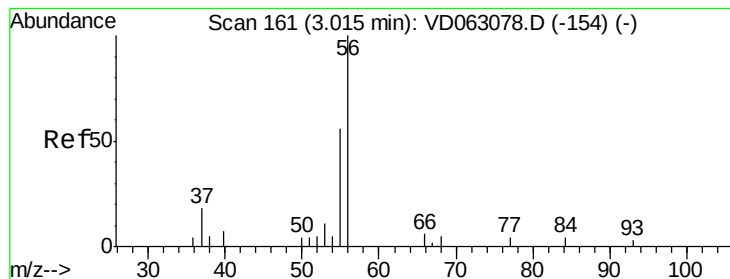


#12

1,1-Dichloroethene
Concen: 49.033 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 96 Resp: 335292
Ion Ratio Lower Upper
96 100
61 199.3 155.5 233.3
98 60.8 51.5 77.3





#13

Acrolein

Concen: 100.547 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

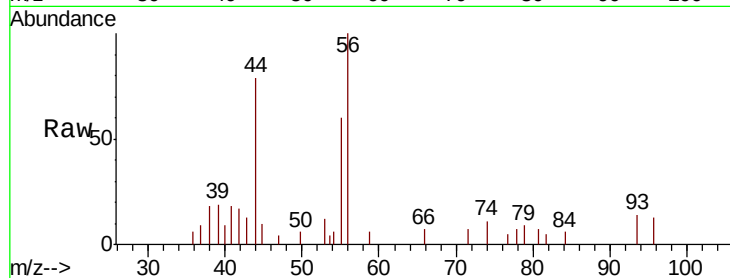
VSTDCCC050

Tot Ion: 56 Resp: 16863

Ion Ratio Lower Upper

56 100

55 60.3 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

8000

6000

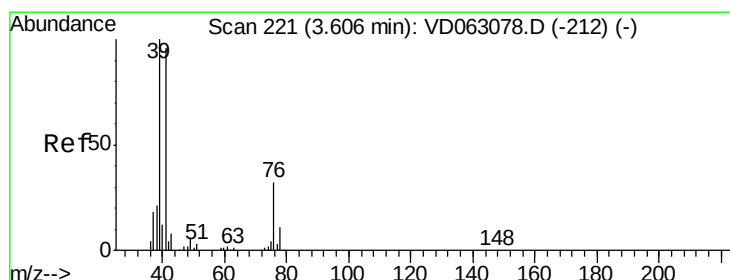
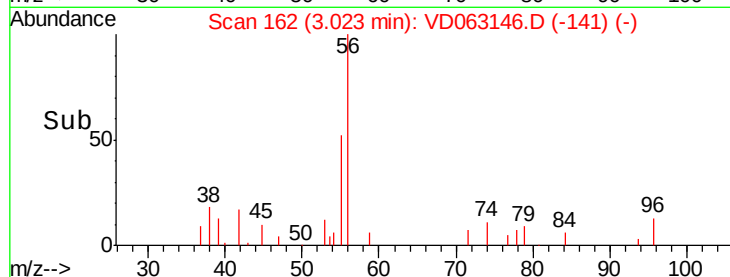
4000

2000

0

Time-->

2.95 3.00 3.05 3.10



#14

Allyl chloride

Concen: 51.722 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

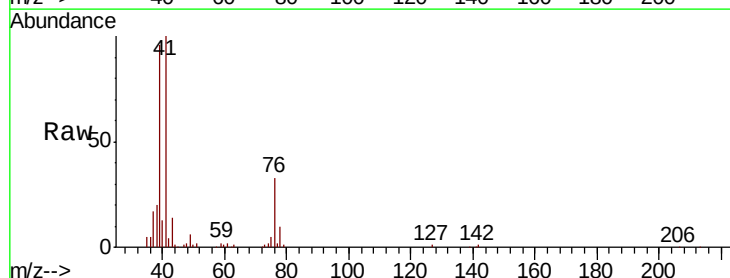
Tgt Ion: 41 Resp: 555860

Ion Ratio Lower Upper

41 100

39 96.0 83.5 125.3

76 33.4 27.8 41.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

300000

250000

200000

150000

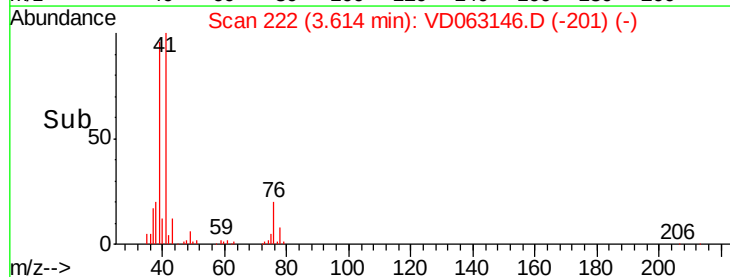
100000

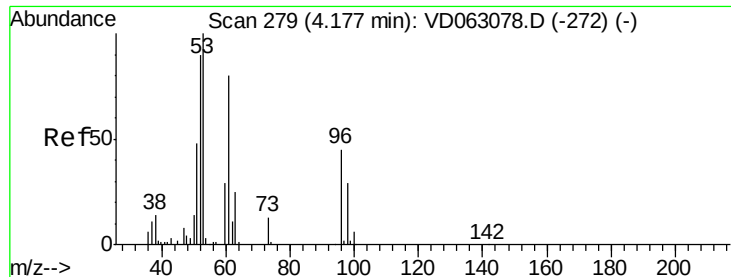
50000

0

Time-->

3.50 3.60 3.70





#15

Acrylonitrile

Concen: 271.972 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

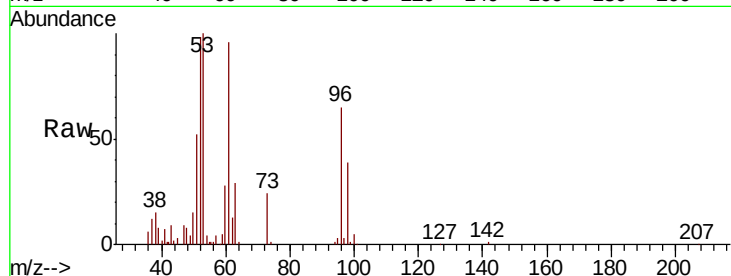
Tot Ion: 53 Resp: 334072

Ion Ratio Lower Upper

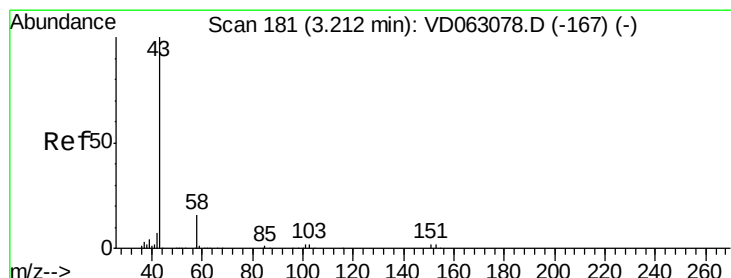
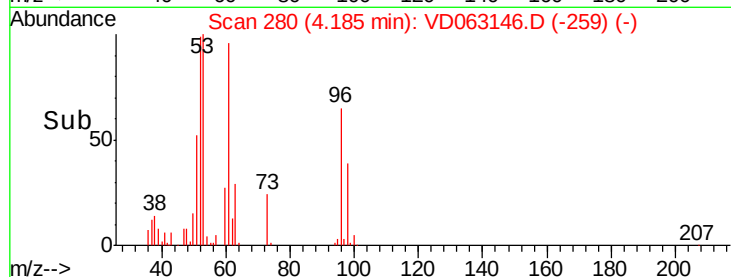
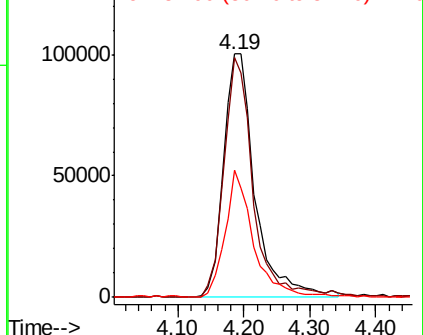
53 100

52 98.3 72.3 108.5

51 52.3 38.0 57.0



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: 300.777 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063146.D

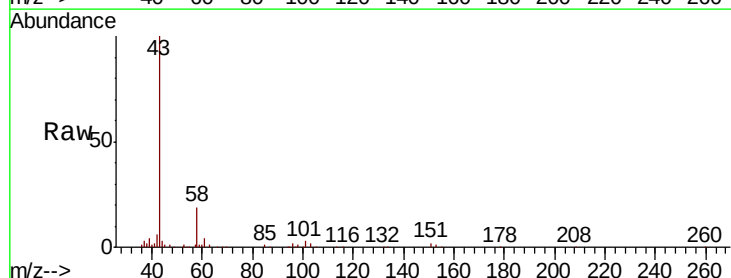
Acq: 19 Jul 2019 11:20

Tgt Ion: 43 Resp: 699483

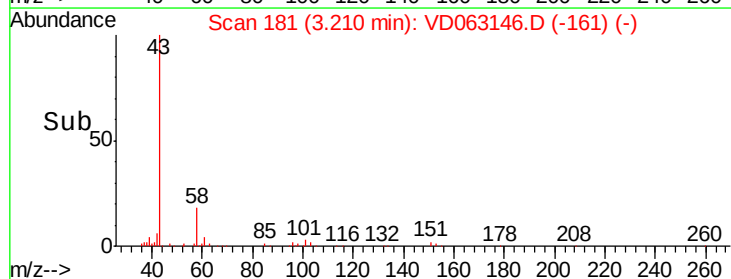
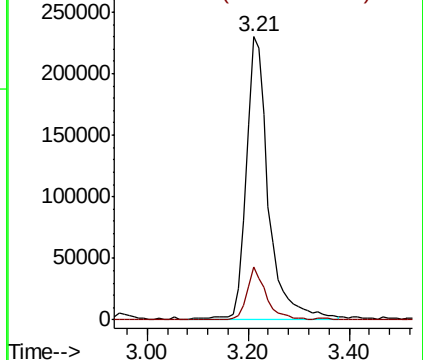
Ion Ratio Lower Upper

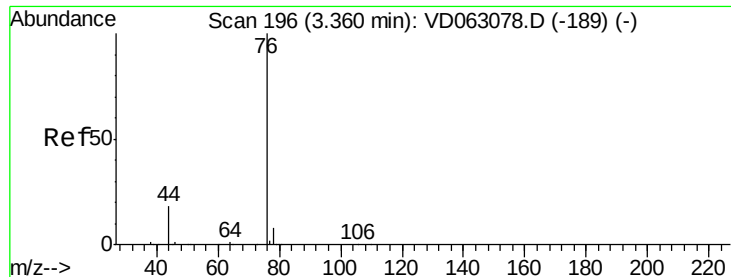
43 100

58 18.6 13.0 19.4



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

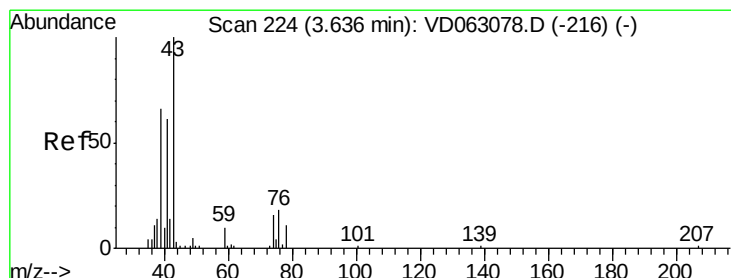
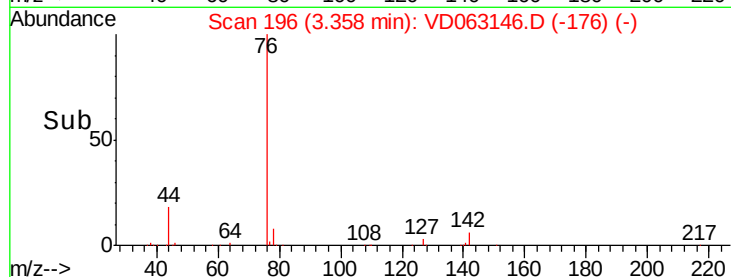
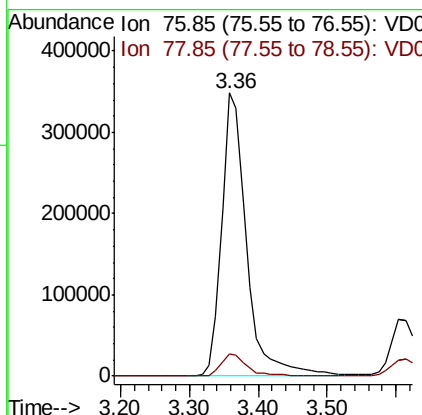
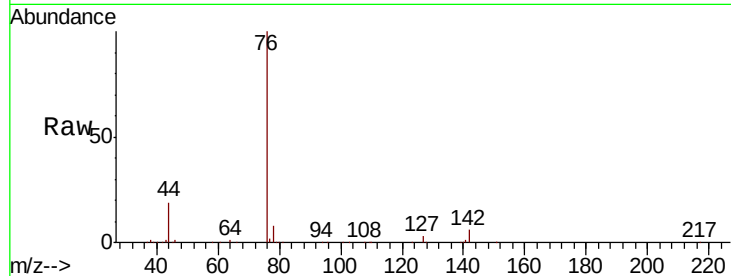




#17
Carbon Disulfide
Concen: 44.615 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

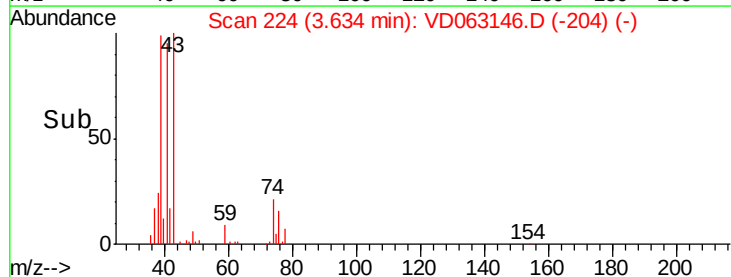
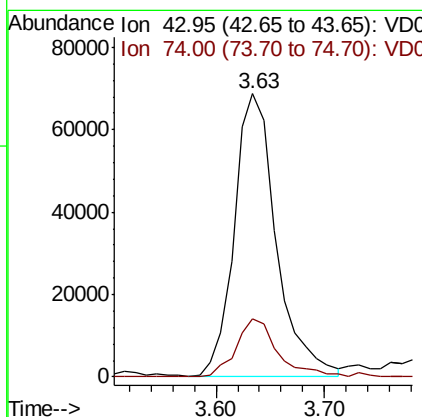
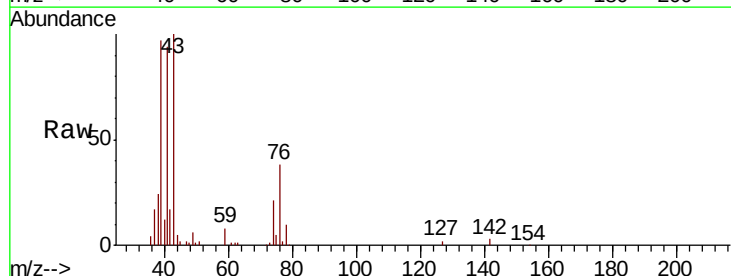
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

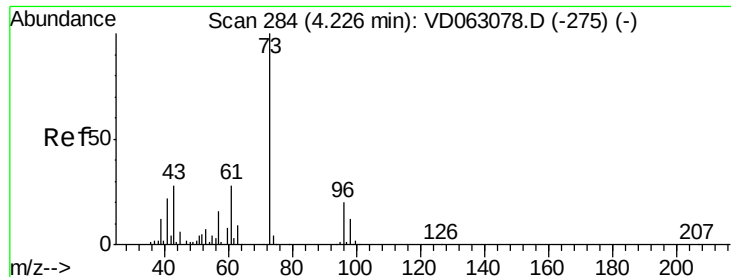
Tot Ion: 76 Resp: 873239
Ion Ratio Lower Upper
76 100
78 8.0 6.7 10.1



#18
Methyl Acetate
Concen: 59.927 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 43 Resp: 186347
Ion Ratio Lower Upper
43 100
74 20.6 12.5 18.7#

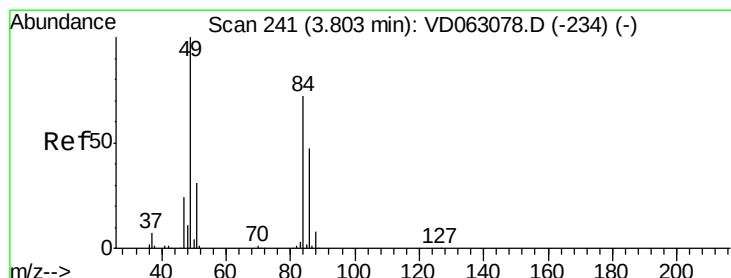
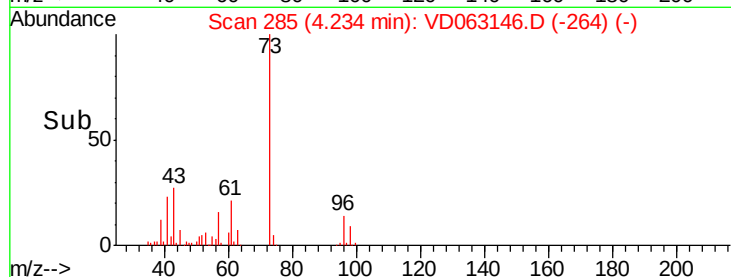
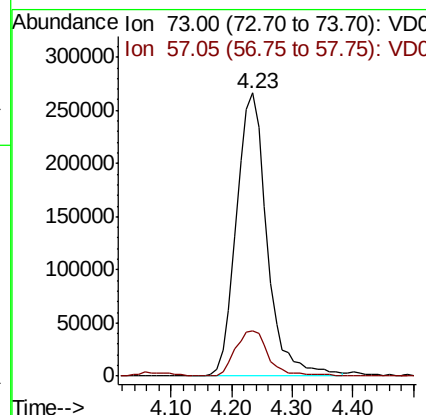
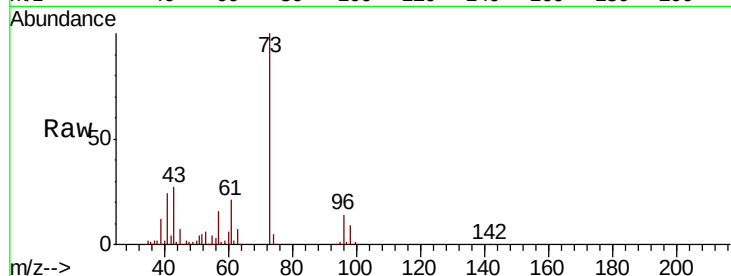




#19
Methyl tert-butyl Ether
Concen: 54.365 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

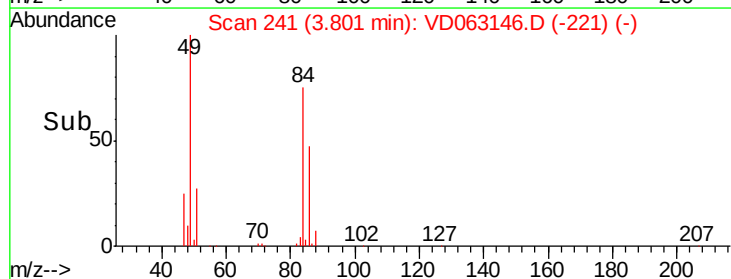
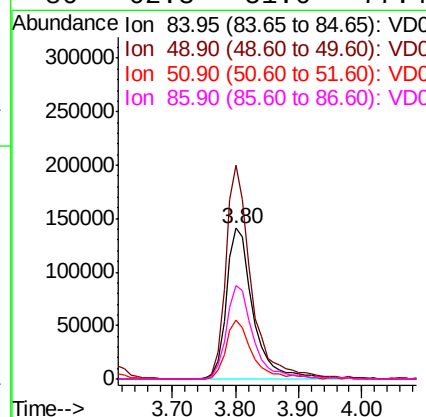
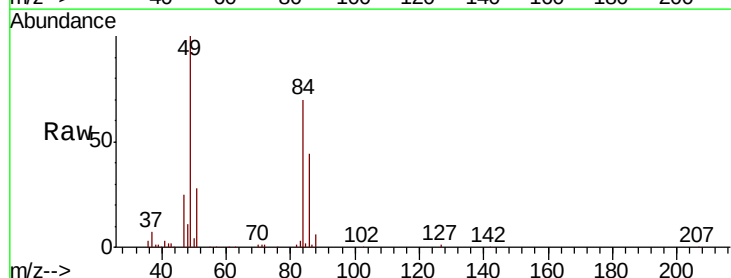
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

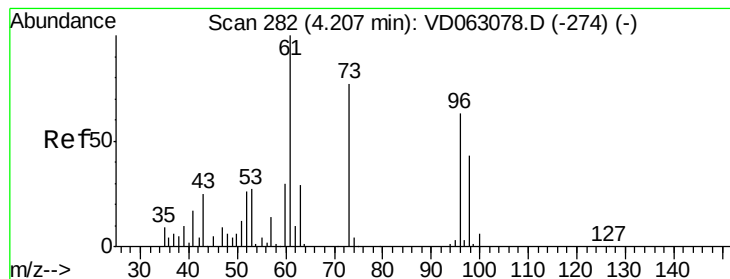
Tot Ion: 73 Resp: 938421
Ion Ratio Lower Upper
73 100
57 16.0 13.1 19.7



#20
Methylene Chloride
Concen: 47.181 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 84 Resp: 414533
Ion Ratio Lower Upper
84 100
49 141.8 110.5 165.7
51 39.5 34.6 51.8
86 62.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.065 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

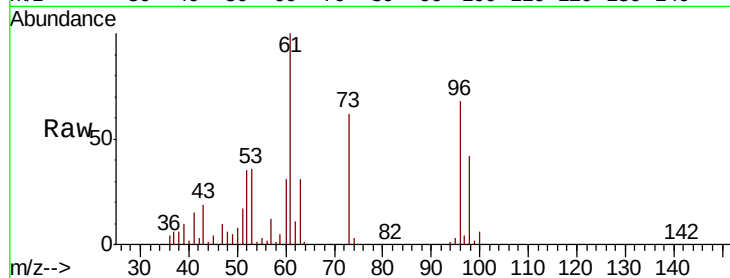
Tot Ion: 96 Resp: 380040

Ion Ratio Lower Upper

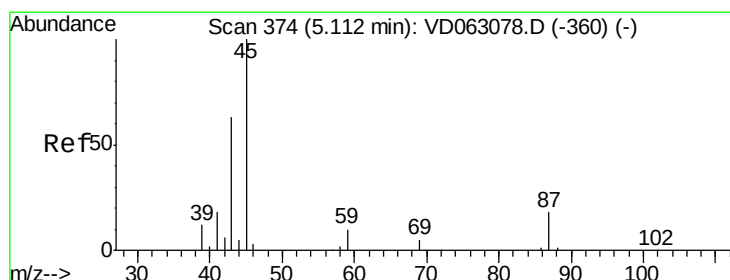
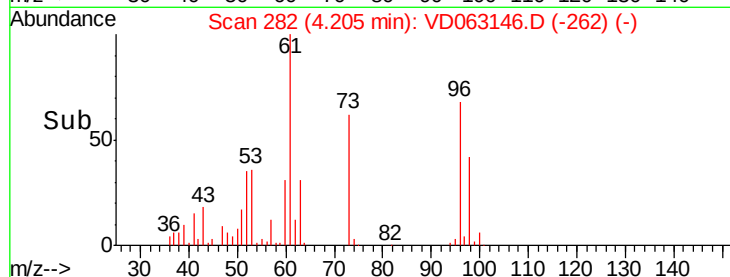
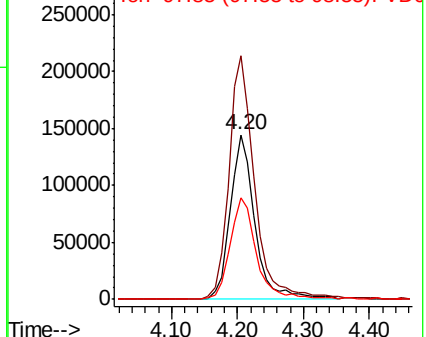
96 100

61 148.0 128.0 192.0

98 61.7 55.2 82.8



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



#22

Diisopropyl ether

Concen: 51.735 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Tgt Ion: 45 Resp: 1208839

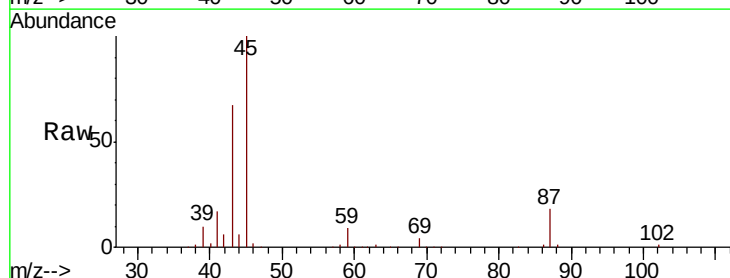
Ion Ratio Lower Upper

45 100

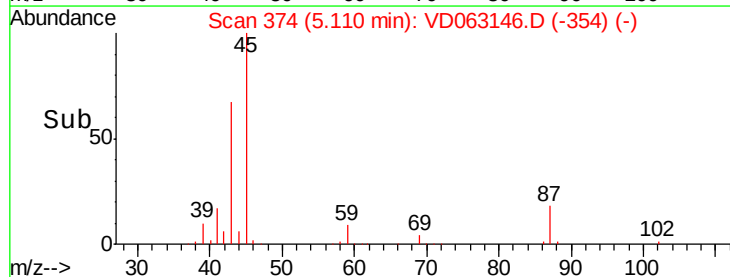
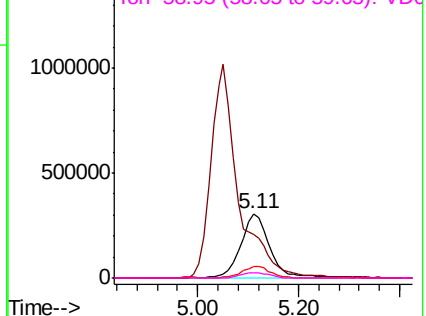
43 67.2 50.5 75.7

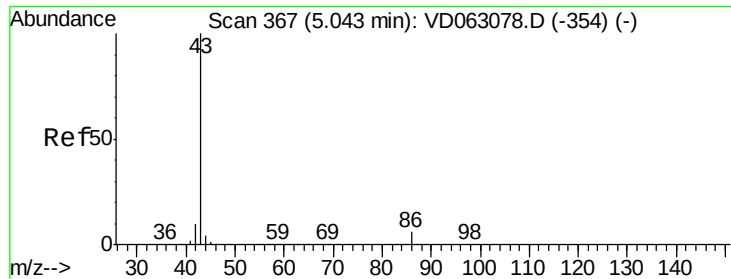
87 17.8 15.1 22.7

59 8.8 7.6 11.4



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: 282.233 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

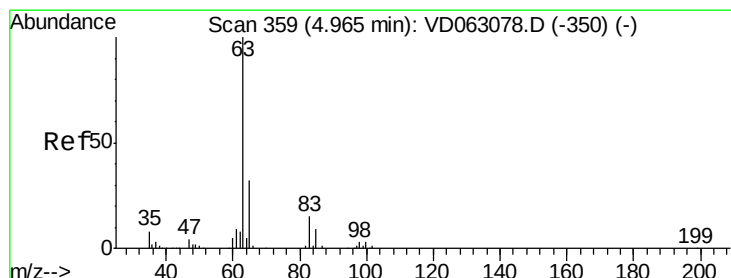
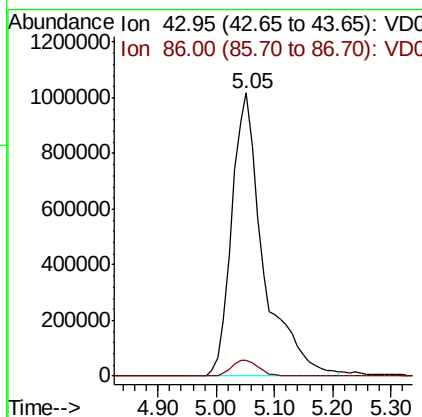
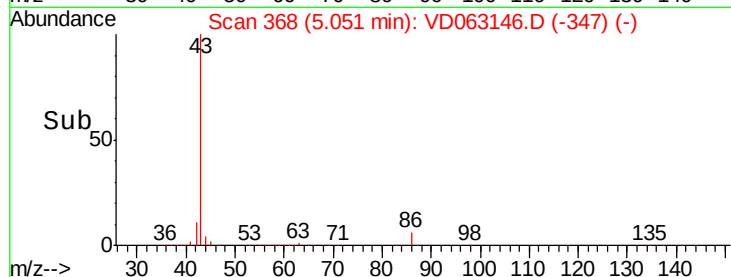
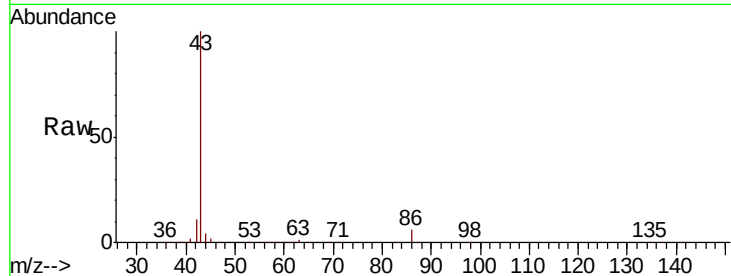
VSTDCCC050

Tot Ion: 43 Resp: 3847413

Ion Ratio Lower Upper

43 100

86 5.8 5.0 7.6



#24

1,1-Dichloroethane

Concen: 53.688 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

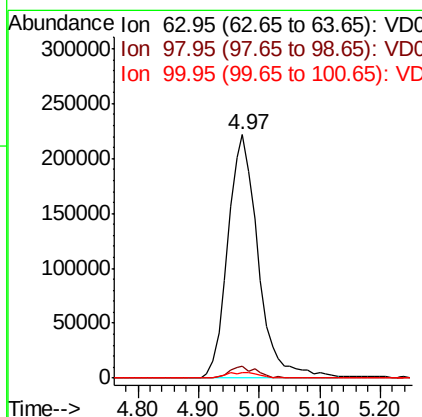
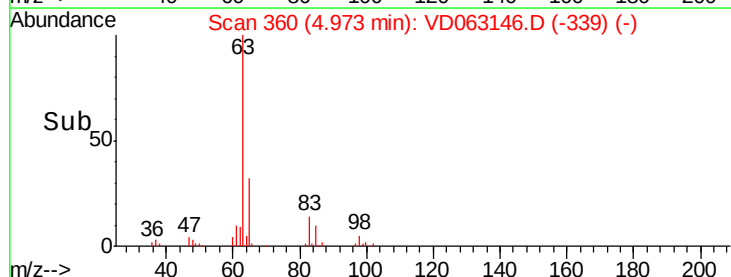
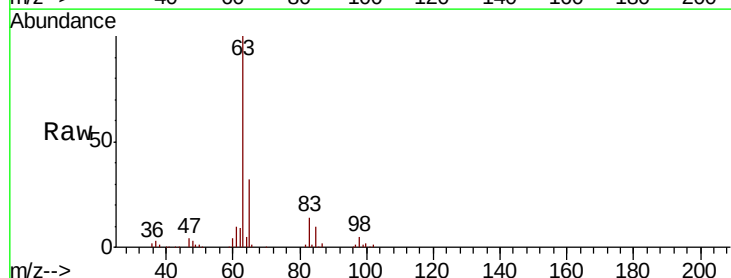
Tgt Ion: 63 Resp: 772730

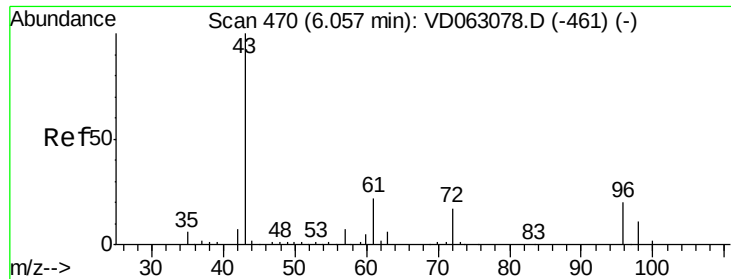
Ion Ratio Lower Upper

63 100

98 4.7 1.7 5.1

100 2.5 1.5 4.5





#25

2-Butanone

Concen: 271.829 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

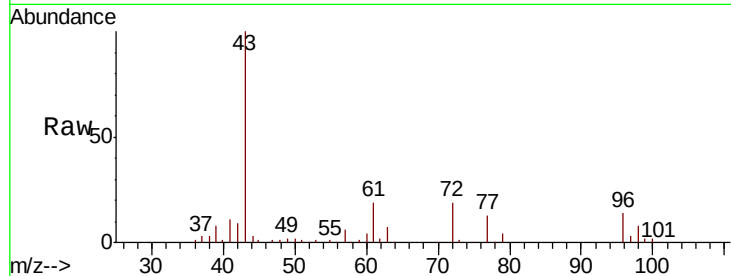
VSTDCCC050

Tot Ion: 43 Resp: 603663

Ion Ratio Lower Upper

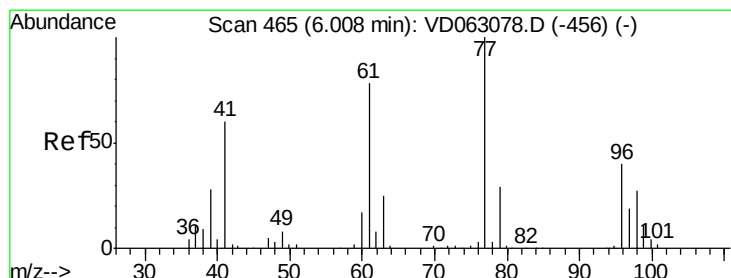
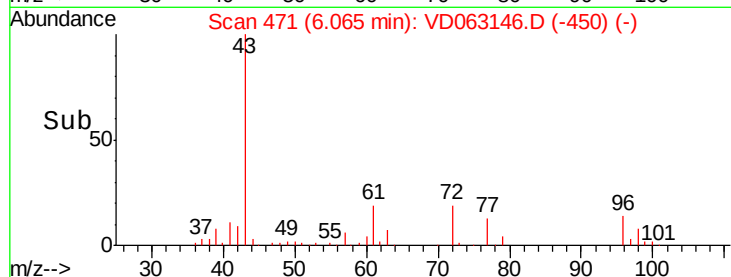
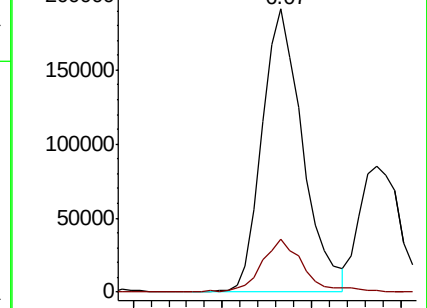
43 100

72 18.6 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.602 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD063146.D

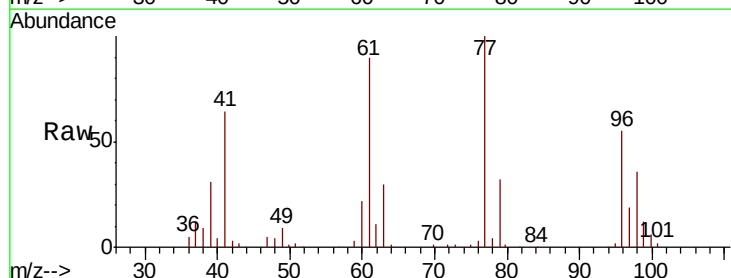
Acq: 19 Jul 2019 11:20

Tgt Ion: 77 Resp: 742336

Ion Ratio Lower Upper

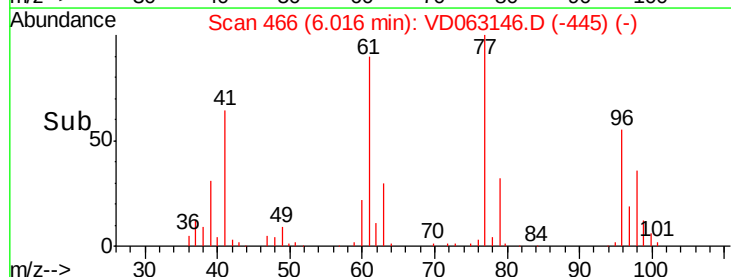
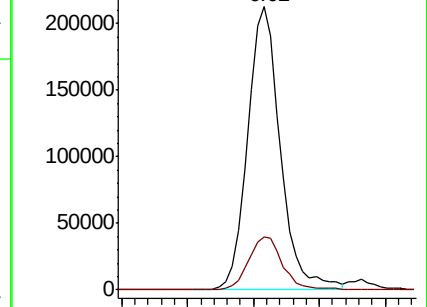
77 100

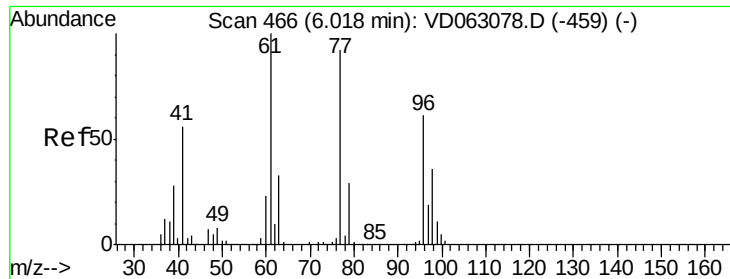
97 18.8 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



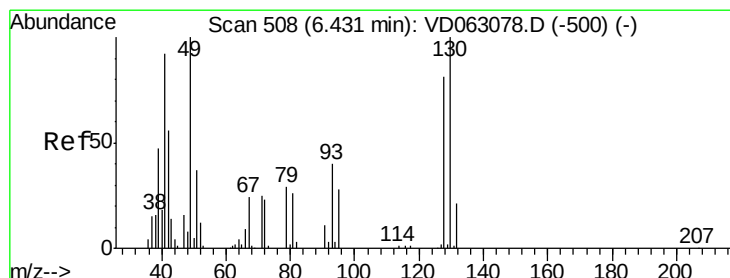
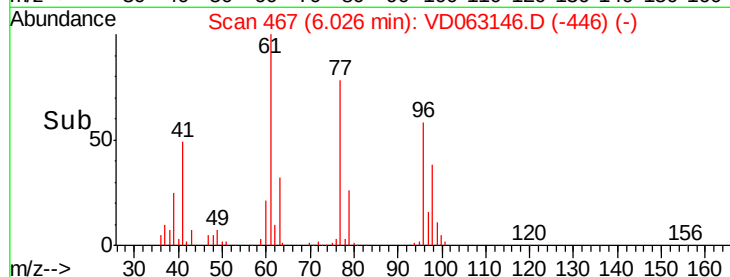
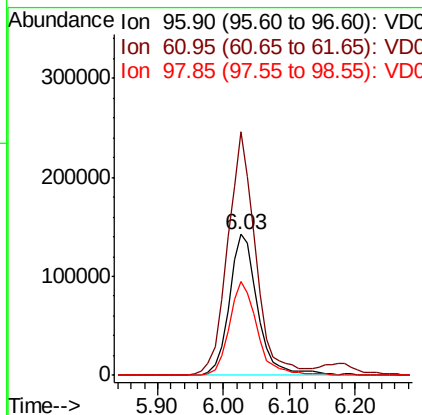
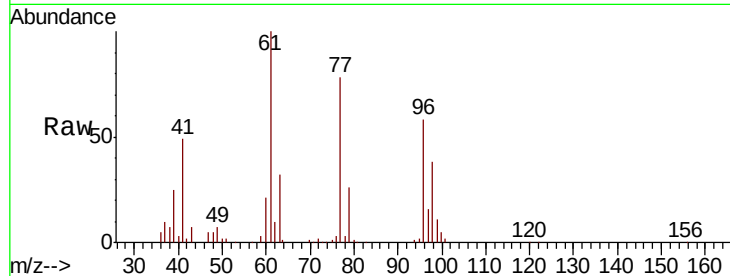


#27

cis-1,2-Dichloroethene
 Concen: 49.829 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

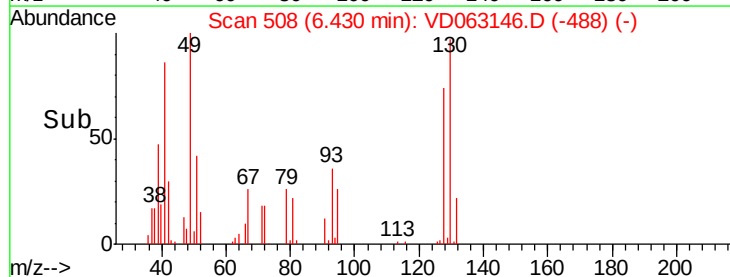
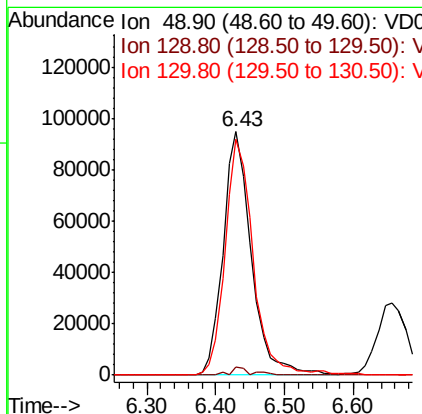
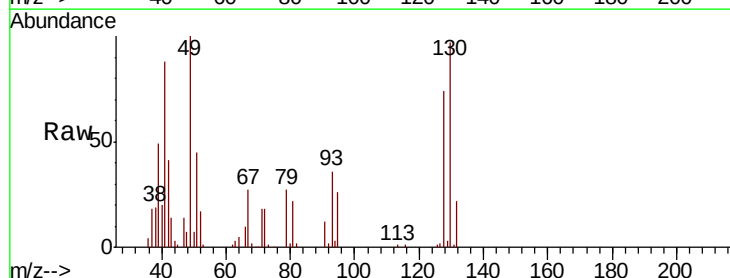
Tot Ion: 96 Resp: 430281
 Ion Ratio Lower Upper
 96 100
 61 172.8 0.0 329.6
 98 66.4 0.0 118.4

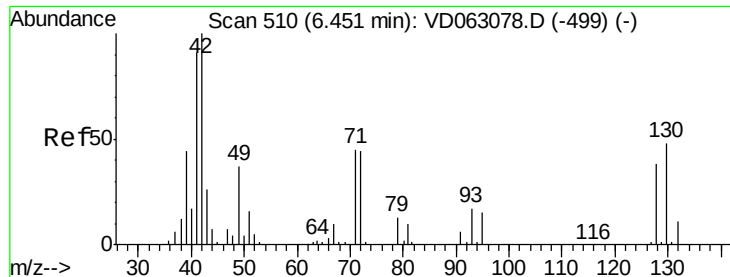


#28

Bromochloromethane
 Concen: 51.301 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Tgt Ion: 49 Resp: 267881
 Ion Ratio Lower Upper
 49 100
 129 3.4 0.0 3.6
 130 97.1 80.3 120.5





#29

Tetrahydrofuran

Concen: 270.975 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

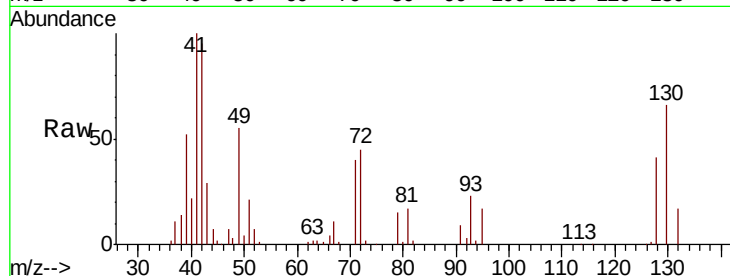
Tot Ion: 42 Resp: 272785

Ion Ratio Lower Upper

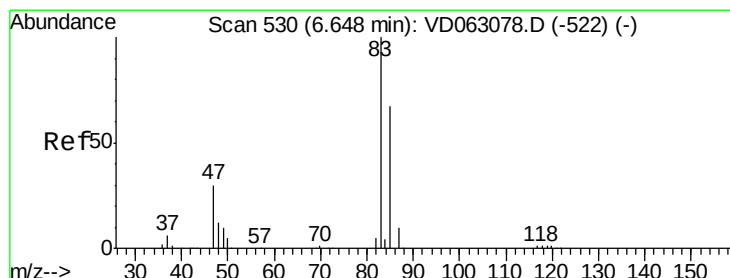
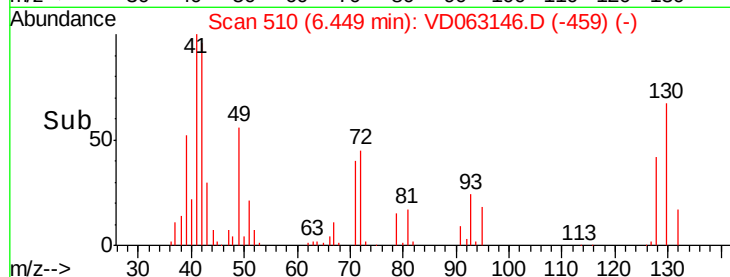
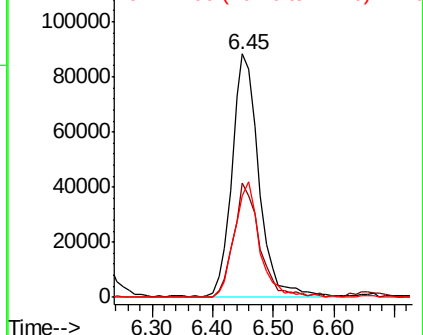
42 100

72 45.1 33.7 50.5

71 44.7 34.2 51.2



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: 51.381 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD063146.D

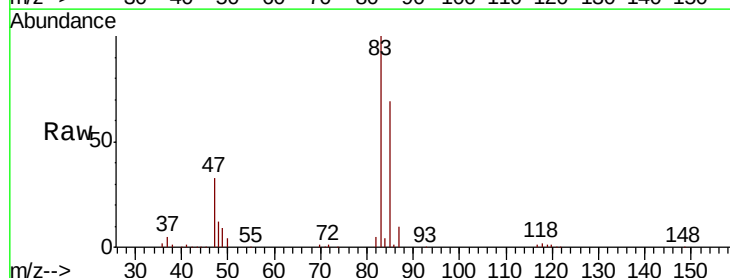
Acq: 19 Jul 2019 11:20

Tgt Ion: 83 Resp: 910785

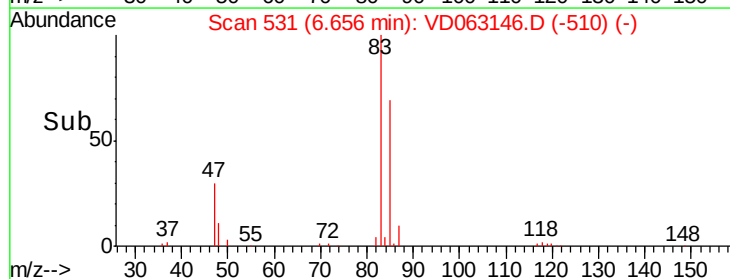
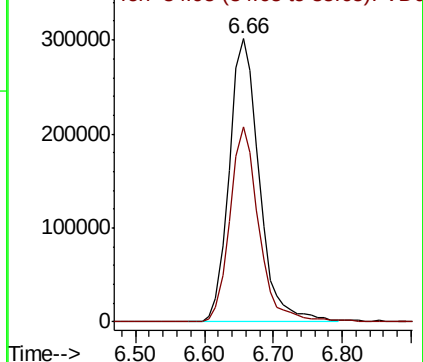
Ion Ratio Lower Upper

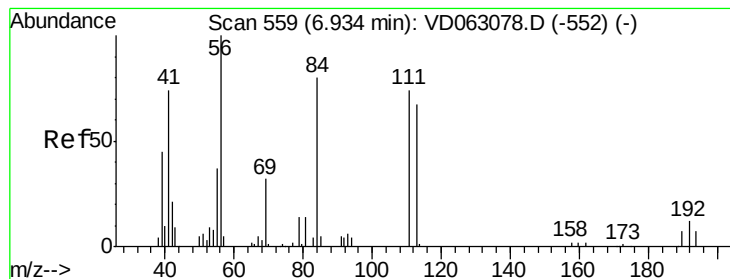
83 100

85 69.0 53.8 80.8



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





#31

Cyclohexane

Concen: 45.769 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

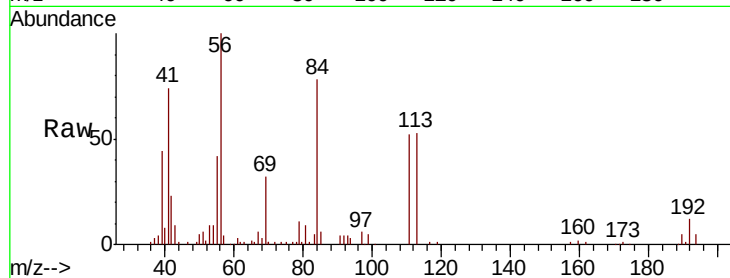
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 419529

Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.3	37.9
84	77.9	64.2	96.4



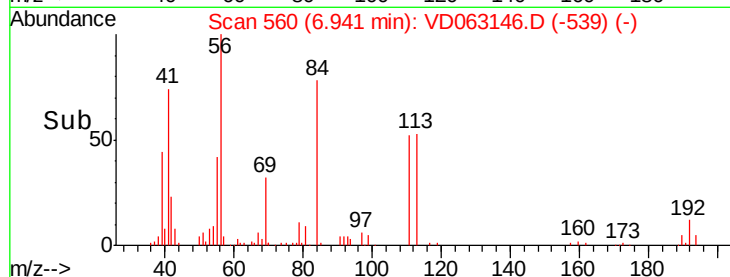
Abundance

Ion 55.95 (55.65 to 56.65): VDC

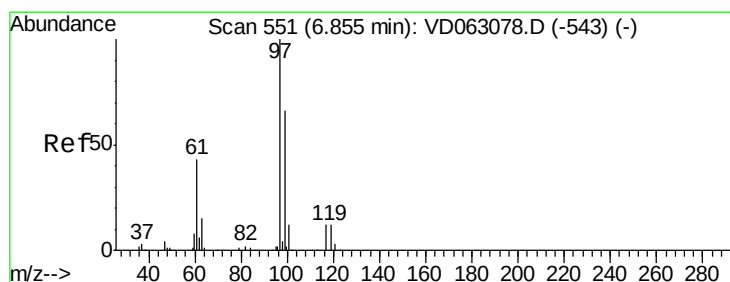
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

Time-->



Time-->



#32

1,1,1-Trichloroethane

Concen: 50.446 ug/l

RT: 6.86 min Scan# 552

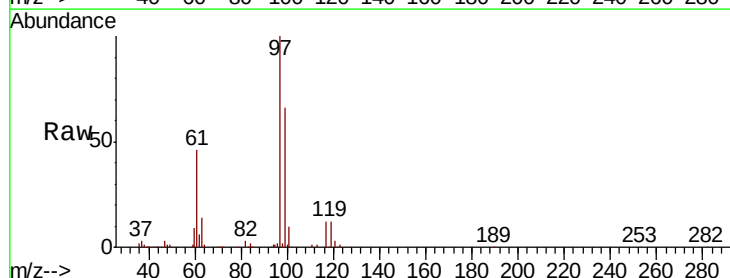
Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Tgt Ion: 97 Resp: 881769

Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.9	79.3
61	45.5	34.4	51.6



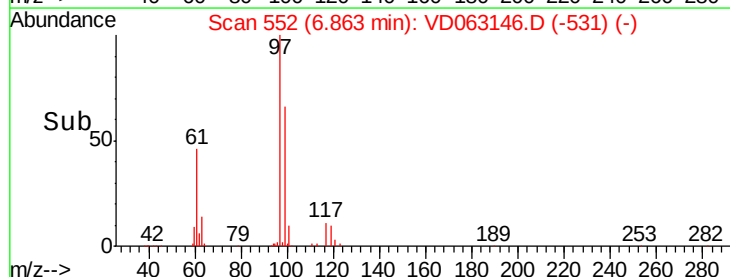
Abundance

Ion 96.85 (96.55 to 97.55): VDC

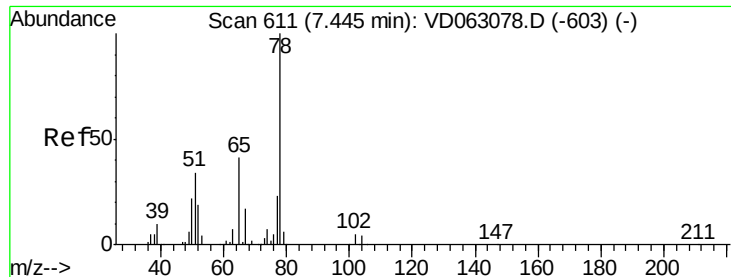
Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

Time-->



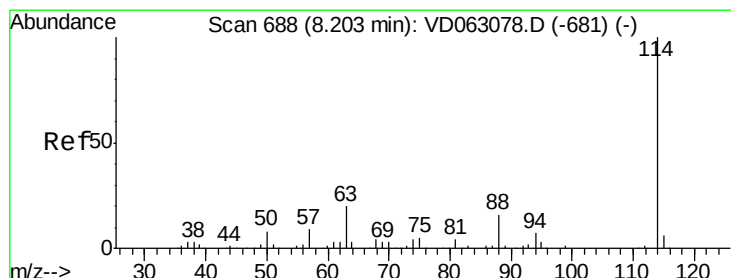
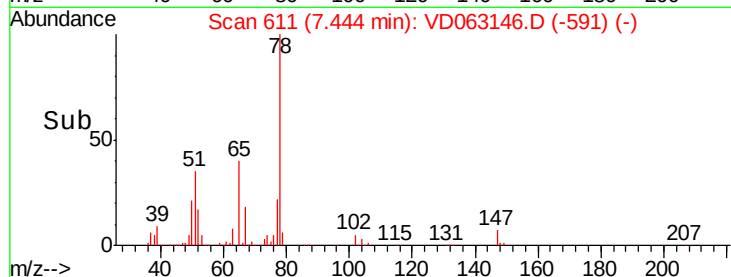
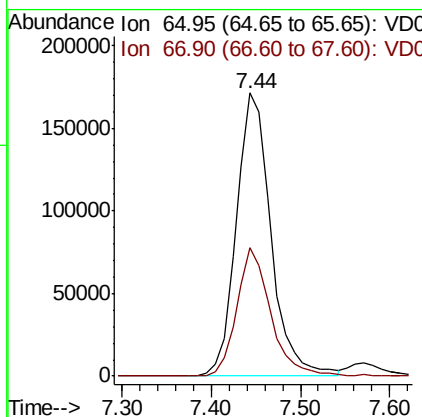
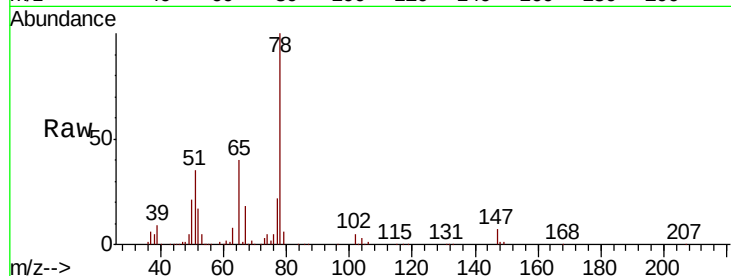
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 48.181 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

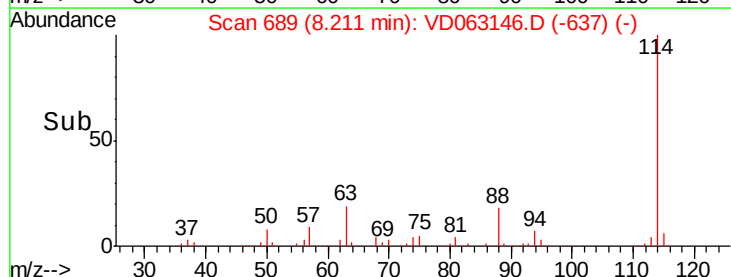
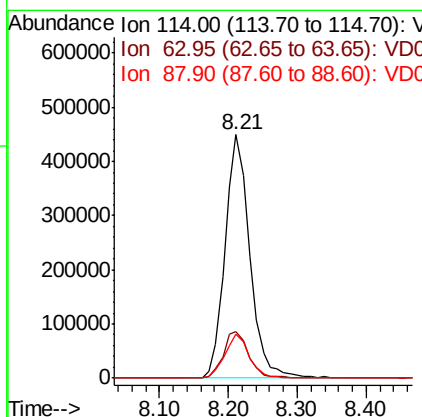
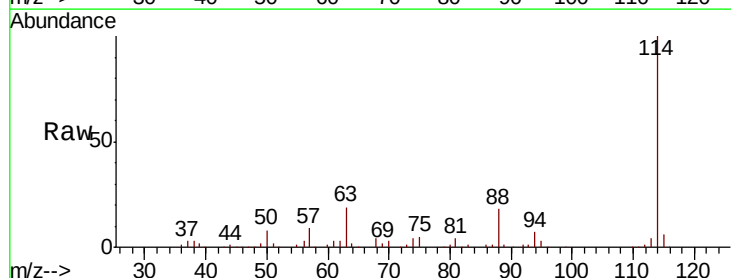
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

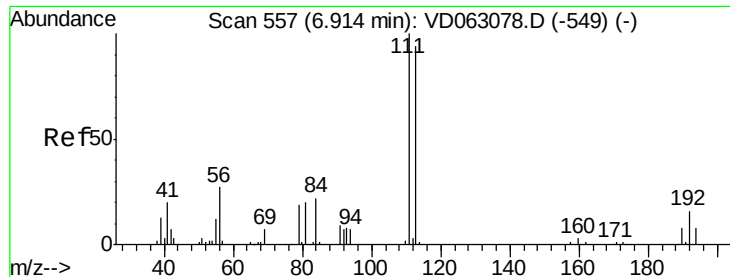
Tot Ion: 65 Resp: 463913
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Tgt Ion: 114 Resp: 1116025
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.6
 88 18.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.896 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

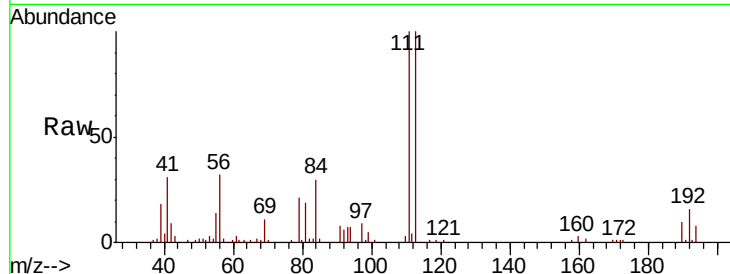
Tot Ion:113 Resp: 521288

Ion Ratio Lower Upper

113 100

111 99.8 84.8 127.2

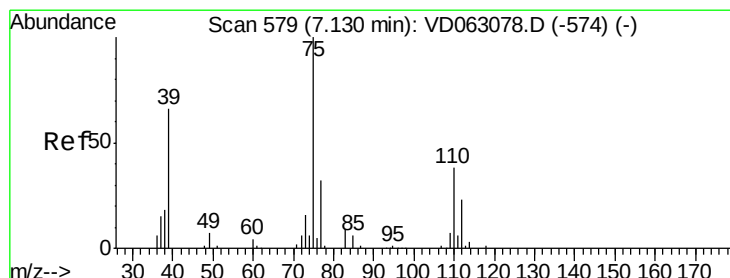
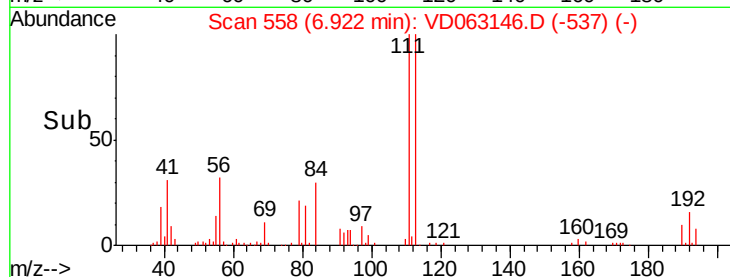
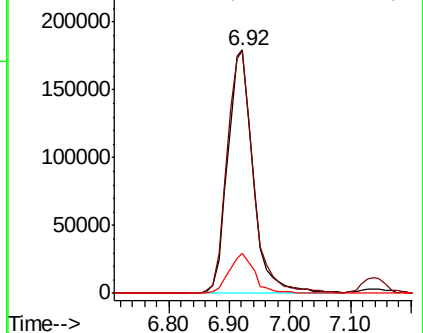
192 16.2 13.4 20.0



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: 45.852 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

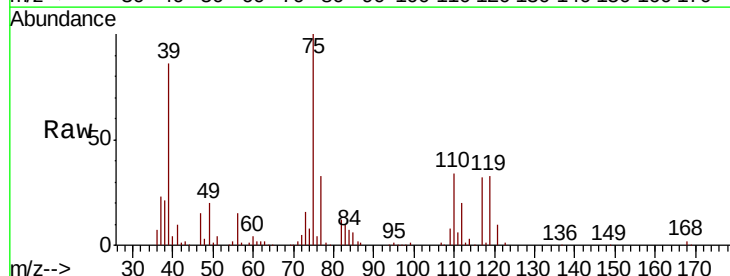
Tgt Ion: 75 Resp: 575517

Ion Ratio Lower Upper

75 100

110 34.2 18.9 56.5

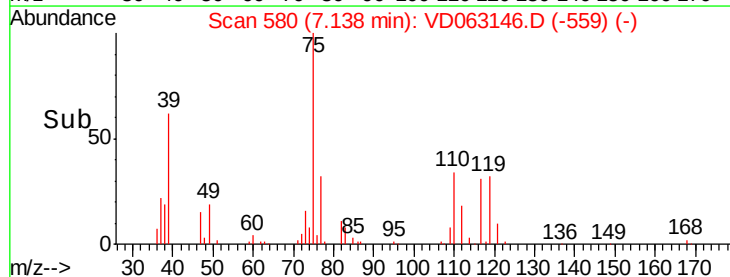
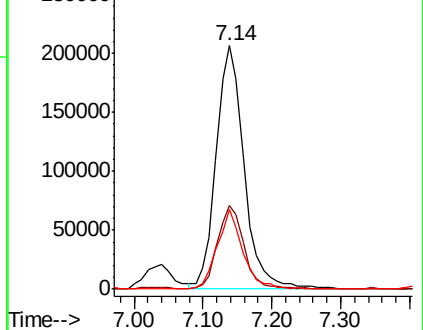
77 32.6 25.2 37.8

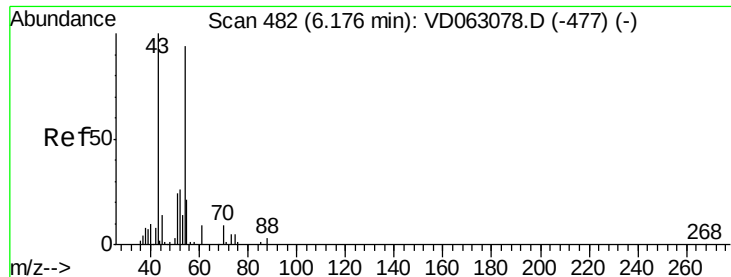


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

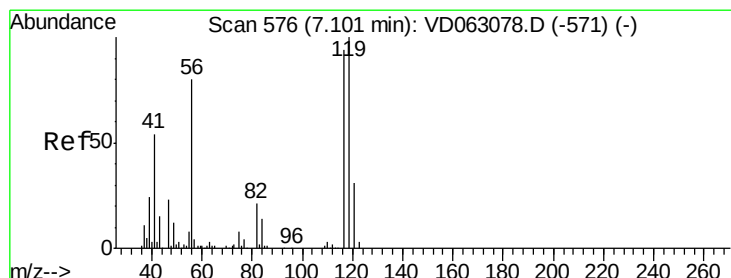
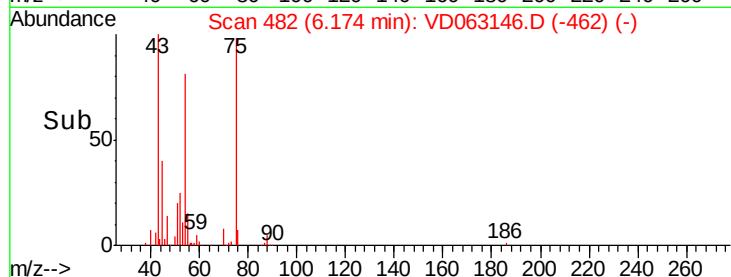
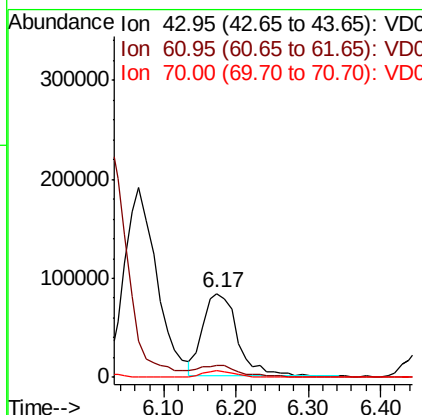
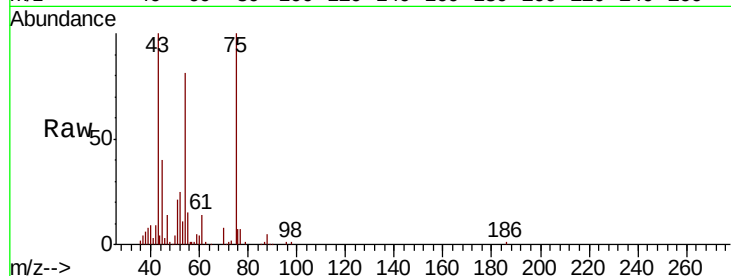




#37
Ethyl Acetate
Concen: 51.686 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

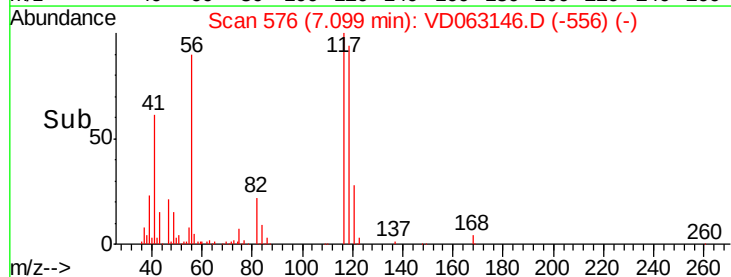
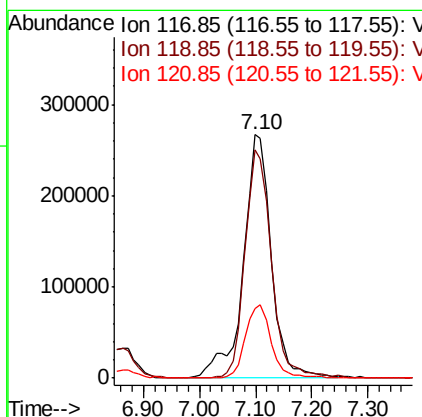
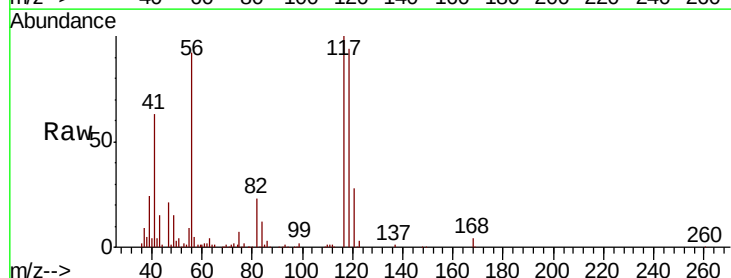
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

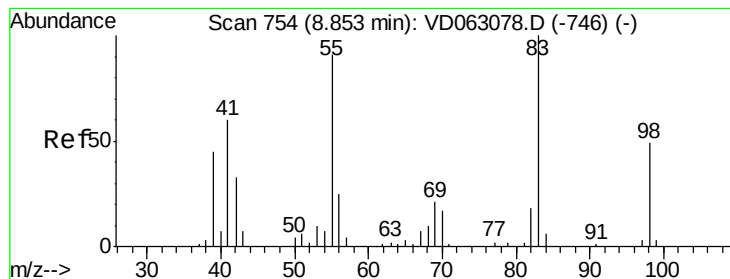
Tot Ion: 43 Resp: 277649
Ion Ratio Lower Upper
43 100
61 13.8 10.6 16.0
70 8.5 6.6 9.8



#38
Carbon Tetrachloride
Concen: 48.119 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 117 Resp: 917745
Ion Ratio Lower Upper
117 100
119 94.0 80.0 120.0
121 28.3 25.0 37.4





#39

Methylvlcyclohexane

Concen: 43.014 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

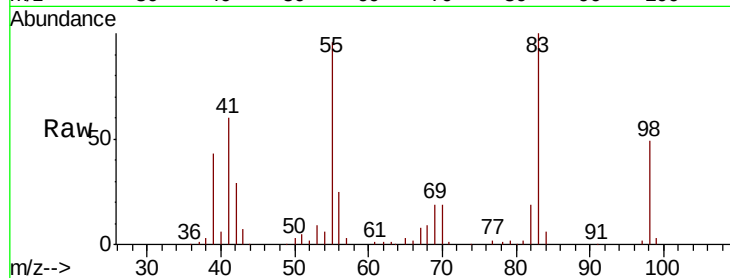
Tot Ion: 83 Resp: 466767

Ion Ratio Lower Upper

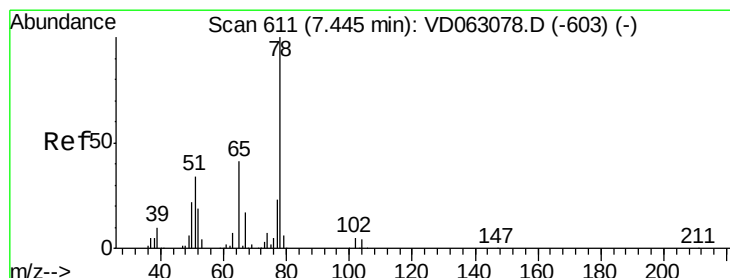
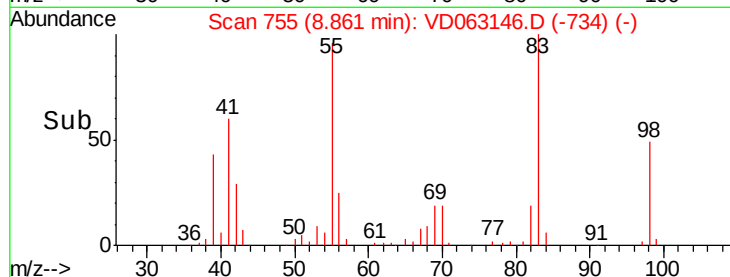
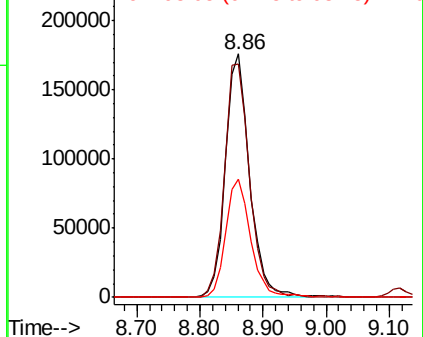
83 100

55 95.6 73.0 109.4

98 48.6 39.4 59.0



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: 45.485 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063146.D

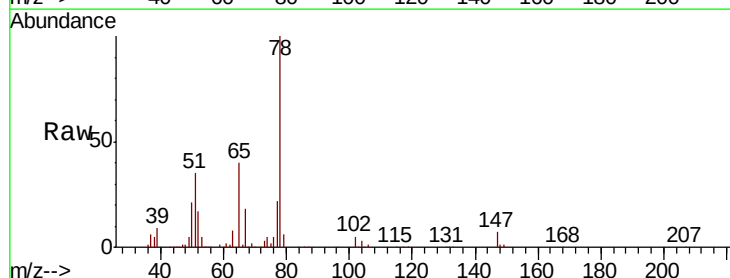
Acq: 19 Jul 2019 11:20

Tgt Ion: 78 Resp: 1195726

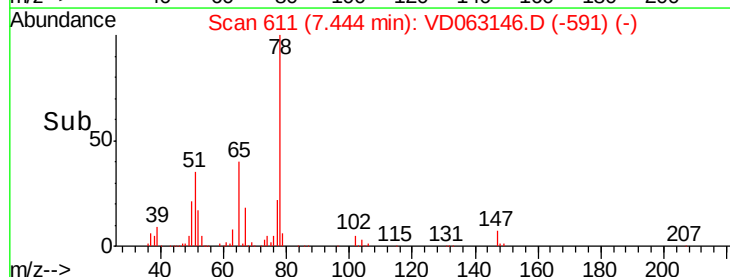
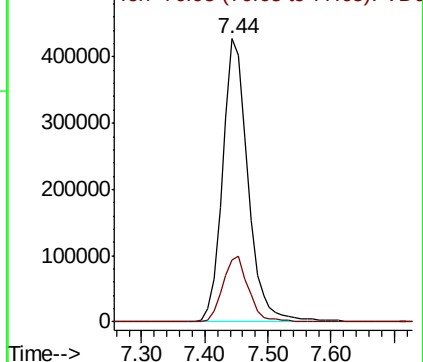
Ion Ratio Lower Upper

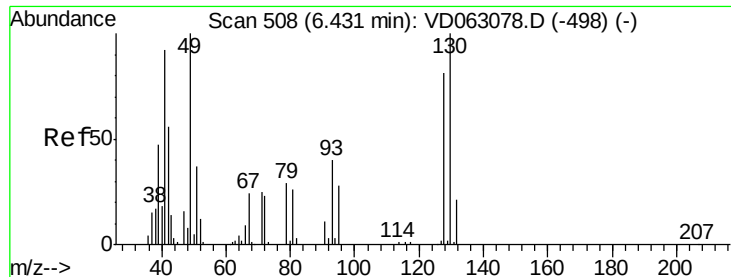
78 100

77 21.9 18.1 27.1



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





#41

Methacrylonitrile

Concen: 51.692 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 376469

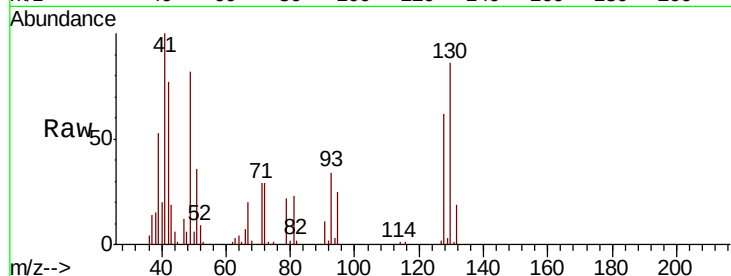
Ion Ratio Lower Upper

41 100

39 52.5 41.0 61.6

67 20.4 21.3 31.9#

52 8.9 10.5 15.7#



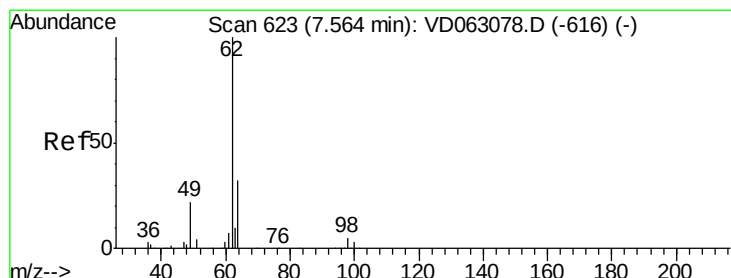
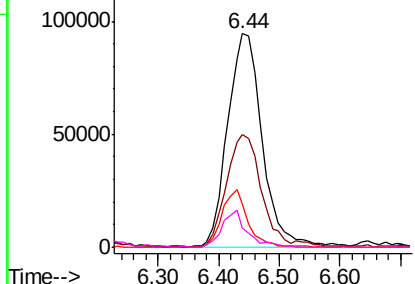
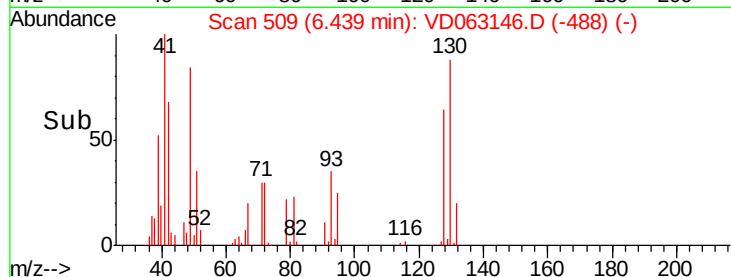
Abundance

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: 48.065 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.01 min

Lab File: VD063146.D

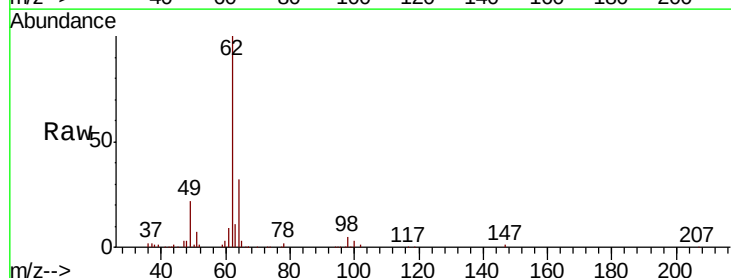
Acq: 19 Jul 2019 11:20

Tgt Ion: 62 Resp: 673181

Ion Ratio Lower Upper

62 100

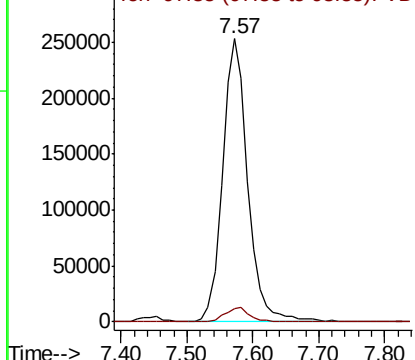
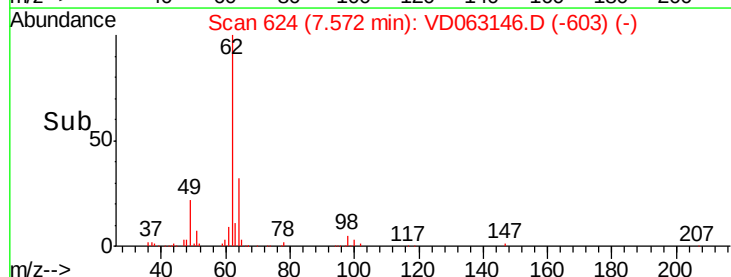
98 4.7 0.0 9.6

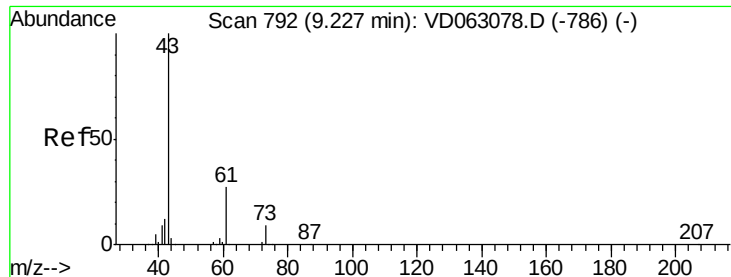


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 46.399 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

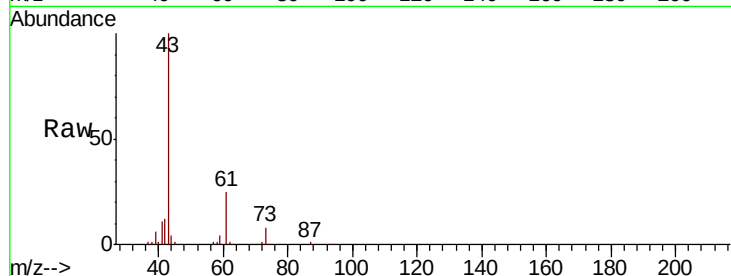
Tot Ion: 43 Resp: 357256

Ion Ratio Lower Upper

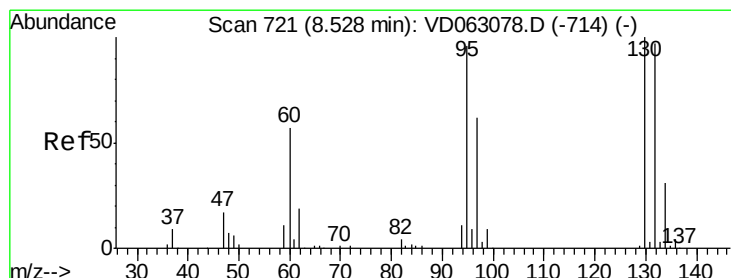
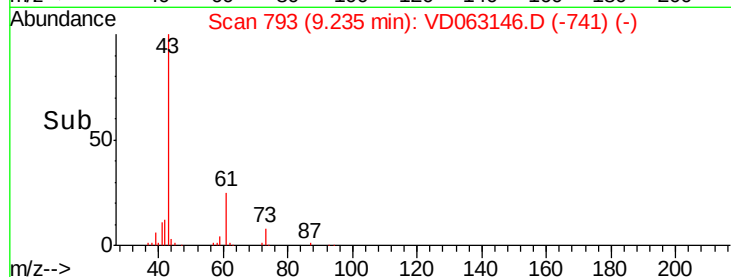
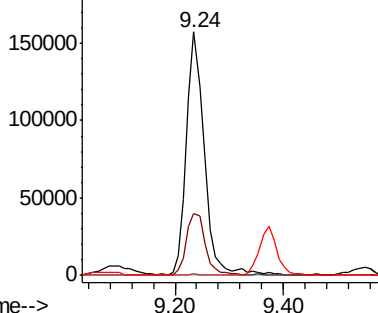
43 100

61 25.4 21.7 32.5

87 0.5 0.2 0.4#



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: 49.119 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063146.D

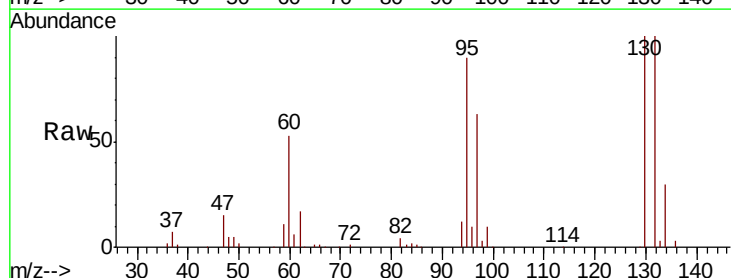
Acq: 19 Jul 2019 11:20

Tgt Ion:130 Resp: 499025

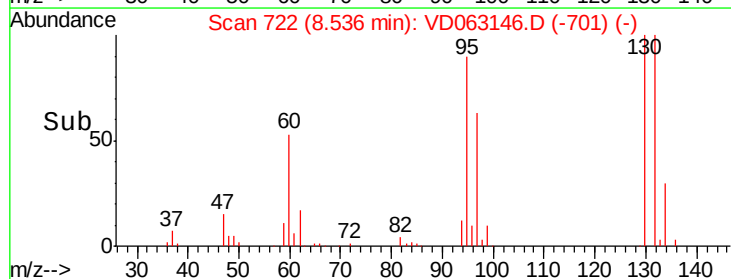
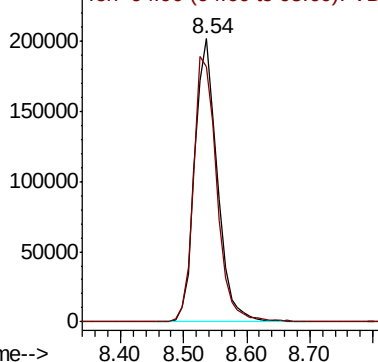
Ion Ratio Lower Upper

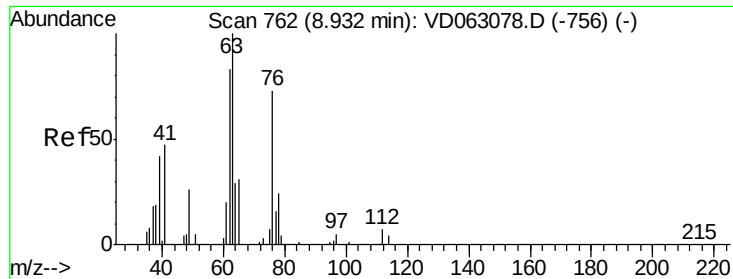
130 100

95 90.3 0.0 191.4



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

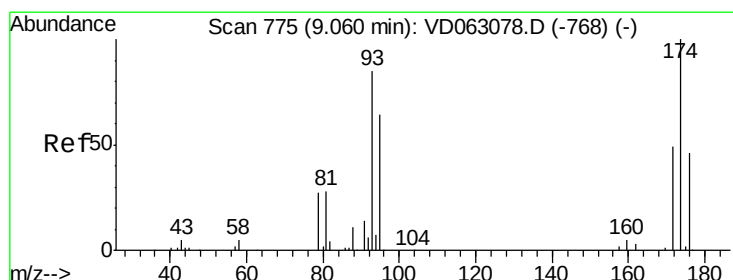
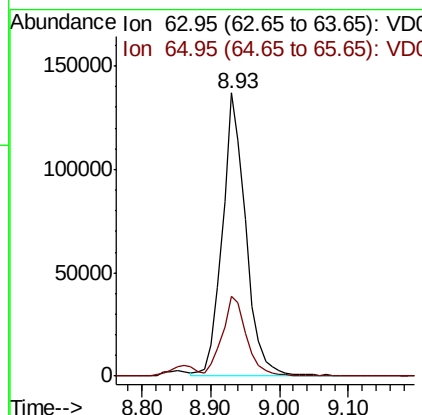
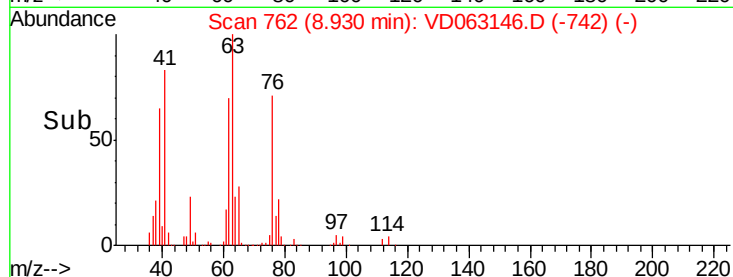
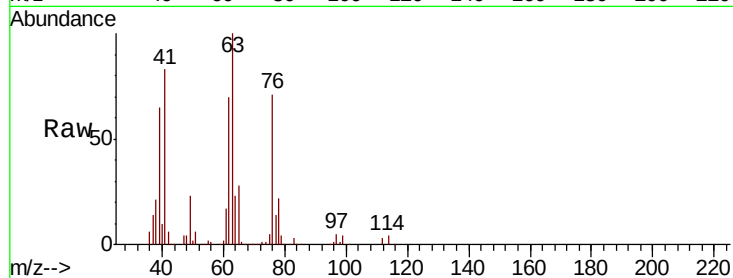




#45
1,2-Dichloropropane
Concen: 49.253 ug/l
RT: 8.93 min Scan# 762
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

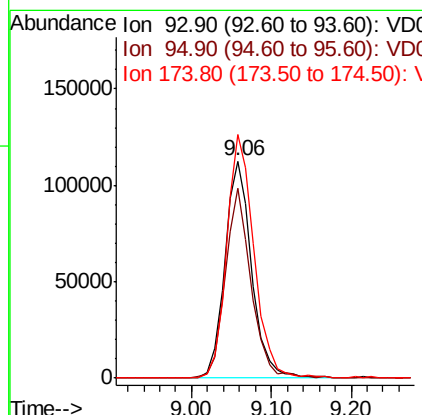
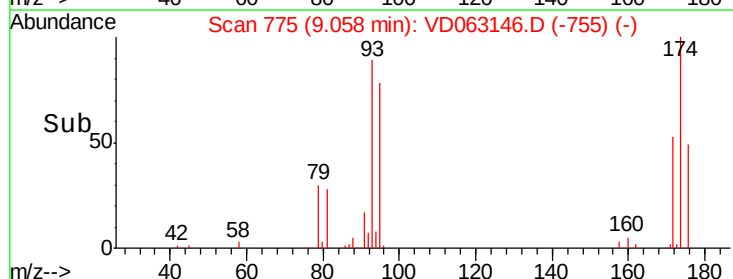
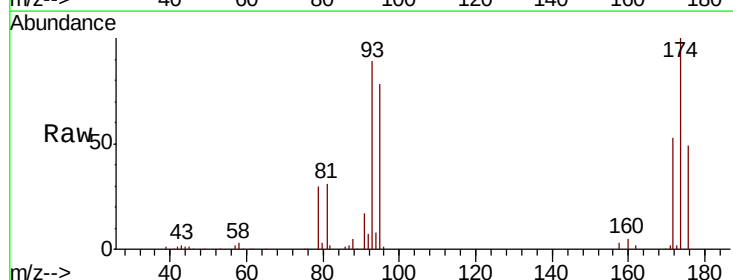
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

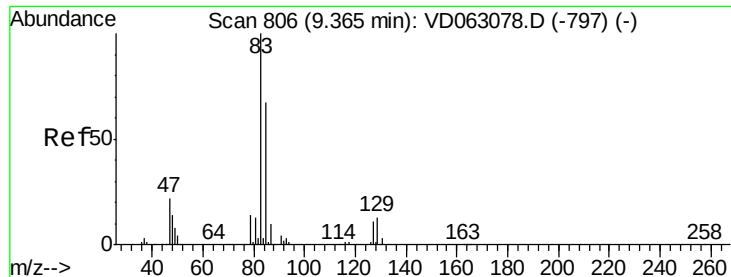
Tot Ion: 63 Resp: 322817
Ion Ratio Lower Upper
63 100
65 28.3 26.3 39.5



#46
Dibromomethane
Concen: 47.068 ug/l
RT: 9.06 min Scan# 775
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 93 Resp: 265100
Ion Ratio Lower Upper
93 100
95 87.2 59.7 89.5
174 112.2 93.9 140.9





#47

Bromodichloromethane

Concen: 48.446 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

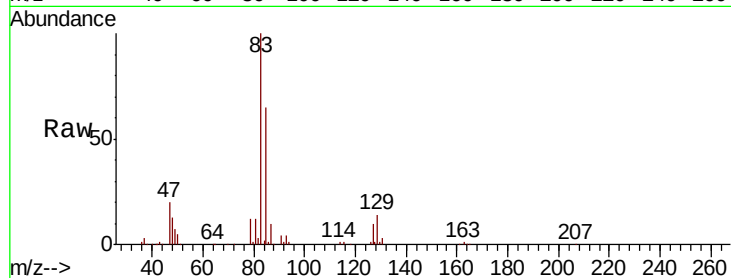
Tot Ion: 83 Resp: 712039

Ion Ratio Lower Upper

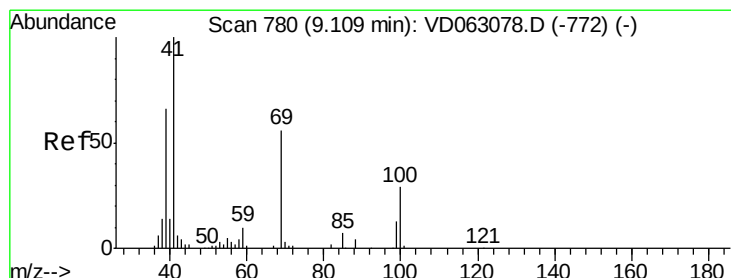
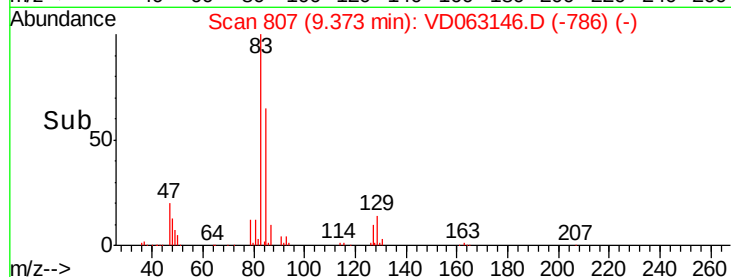
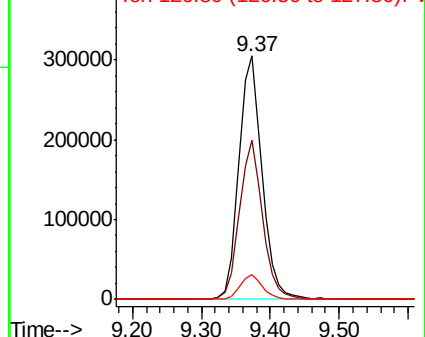
83 100

85 65.2 53.7 80.5

127 10.0 9.0 13.6



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: 51.282 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

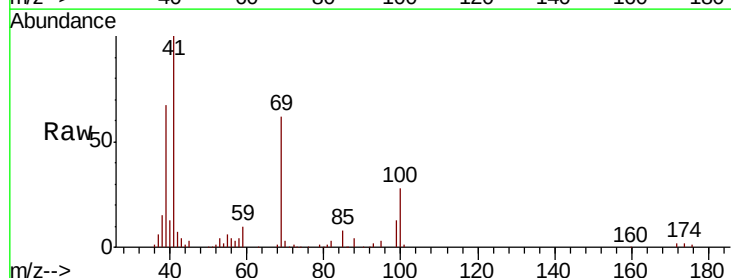
Tgt Ion: 41 Resp: 259302

Ion Ratio Lower Upper

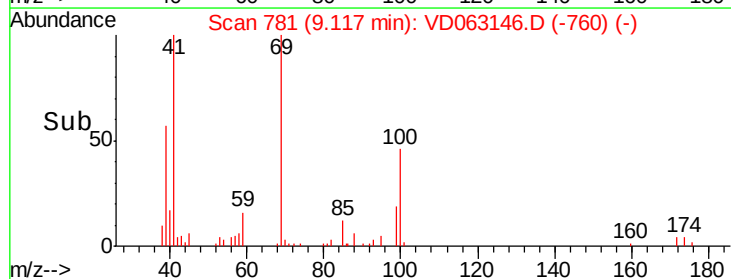
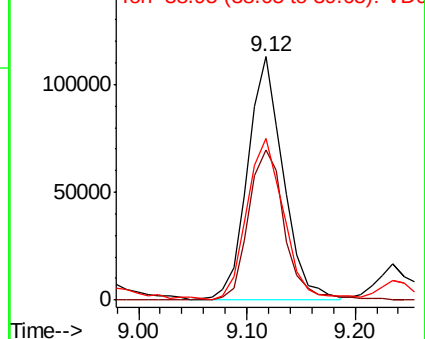
41 100

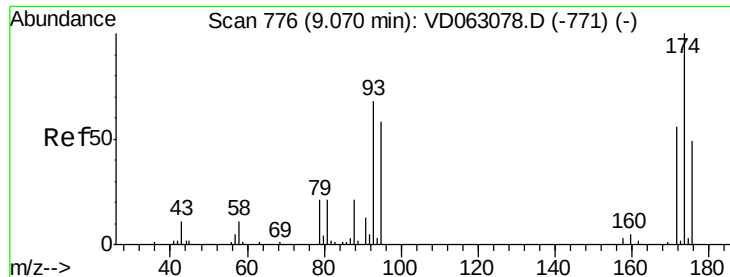
69 61.8 44.3 66.5

39 66.6 52.6 78.8



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

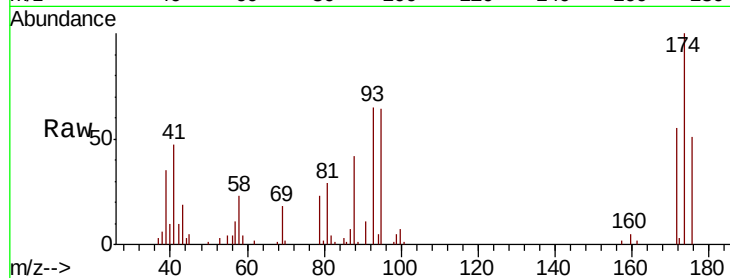




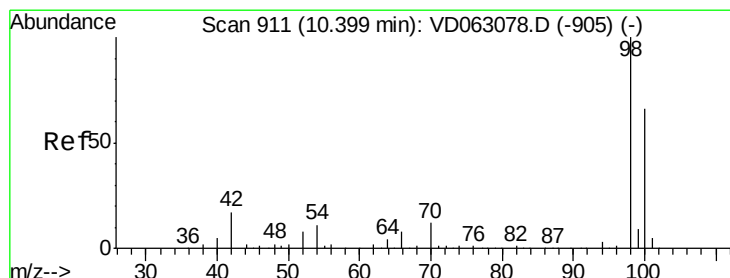
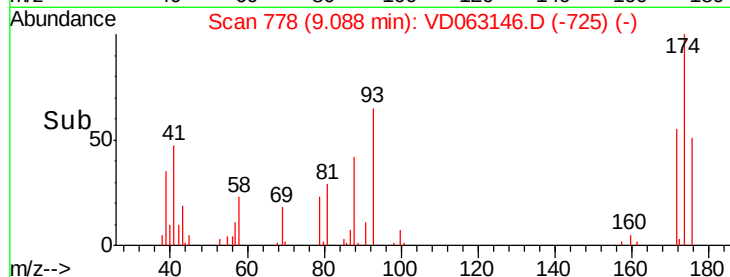
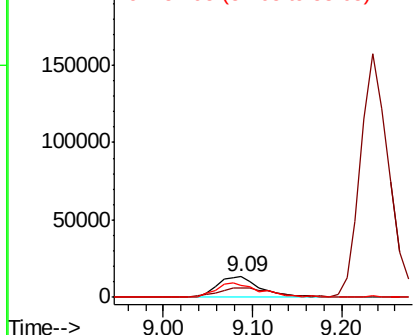
#49
1,4-Dioxane
Concen: 1013.135 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 44180
Ion Ratio Lower Upper
88 100
43 44.1 40.2 60.4
58 55.6 41.6 62.4

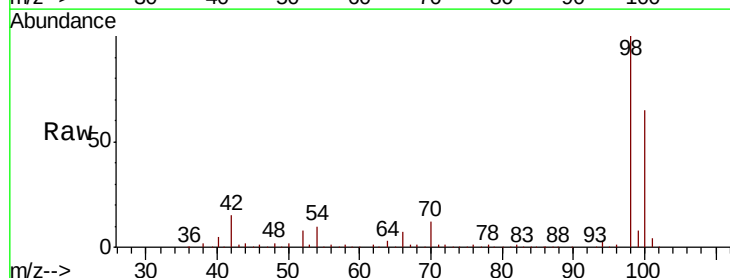


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

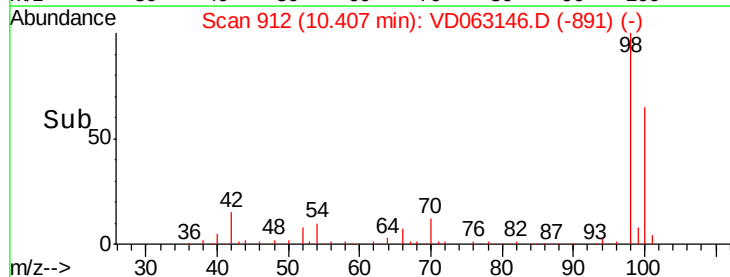
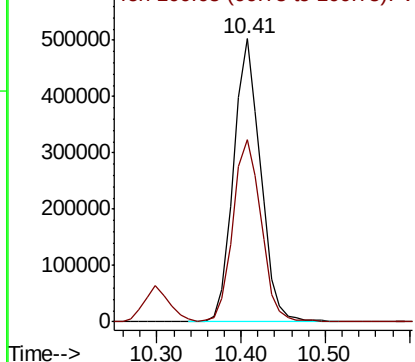


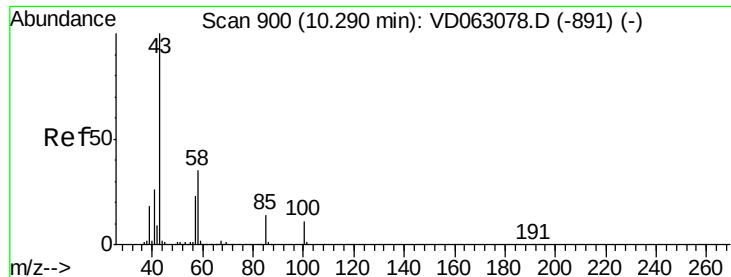
#50
Toluene-d8
Concen: 46.864 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 98 Resp: 1118967
Ion Ratio Lower Upper
98 100
100 64.5 53.5 80.3



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

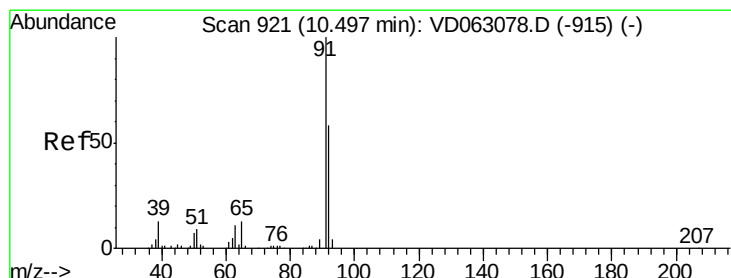
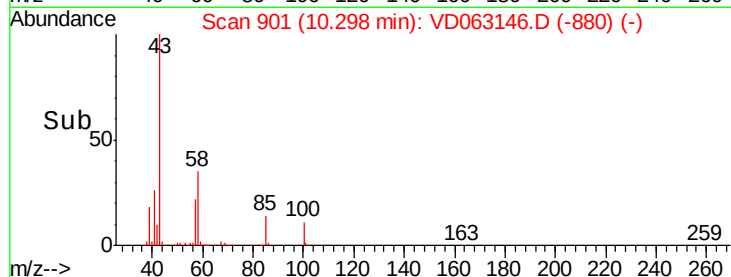
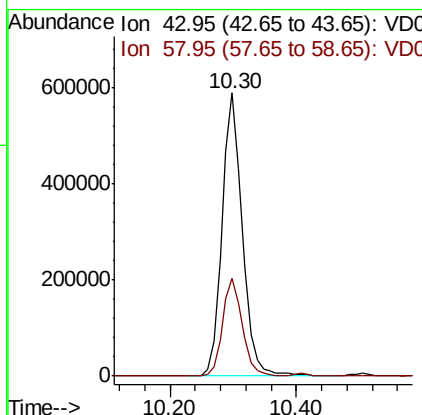
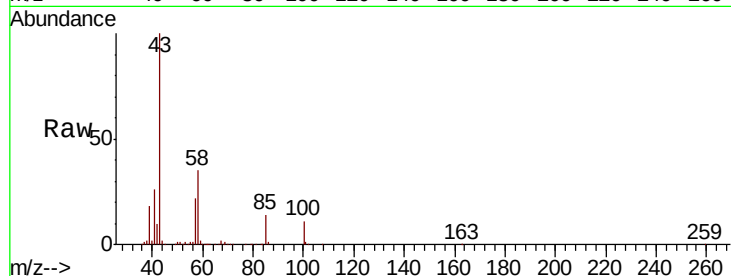




#51
 4-Methyl-2-Pentanone
 Concen: 258.931 ug/l
 RT: 10.30 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

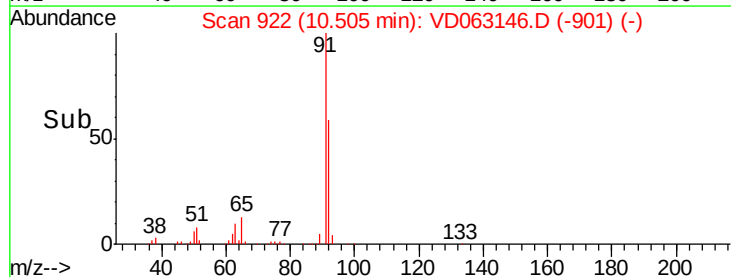
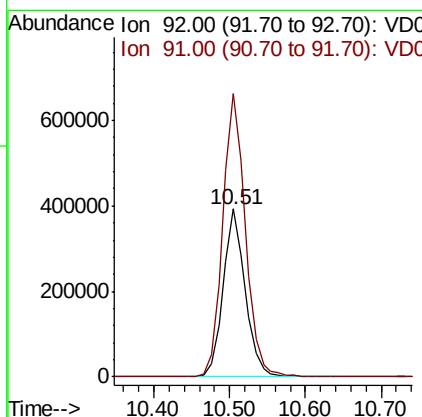
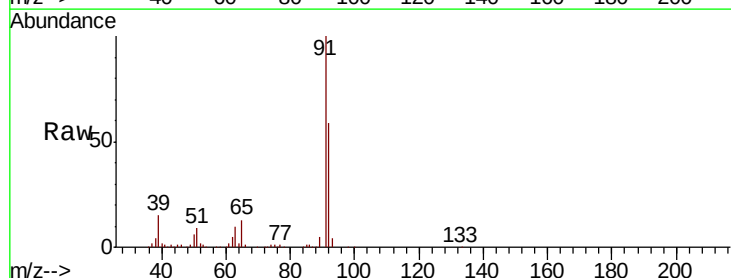
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

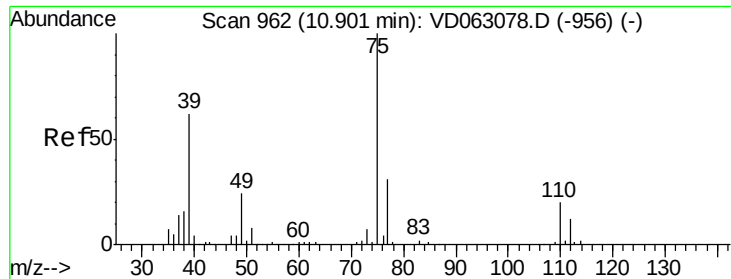
Tot Ion: 43 Resp: 1322328
 Ion Ratio Lower Upper
 43 100
 58 34.5 27.8 41.6



#52
 Toluene
 Concen: 45.152 ug/l
 RT: 10.51 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Tgt Ion: 92 Resp: 792627
 Ion Ratio Lower Upper
 92 100
 91 168.9 137.9 206.9

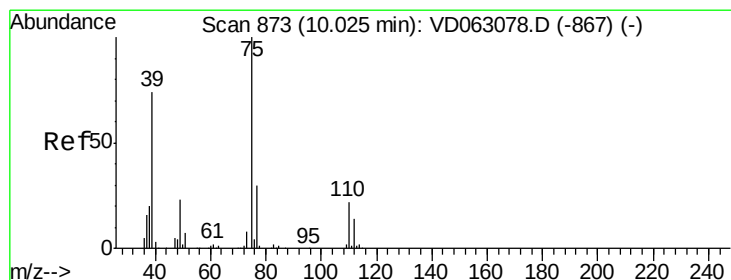
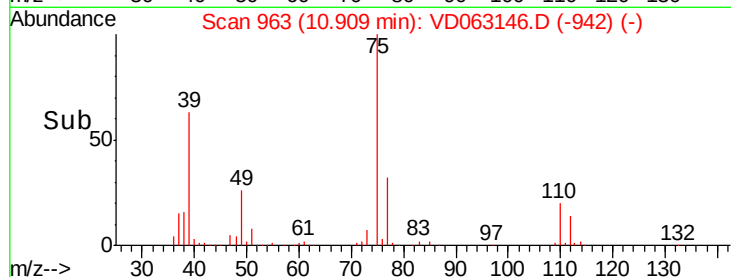
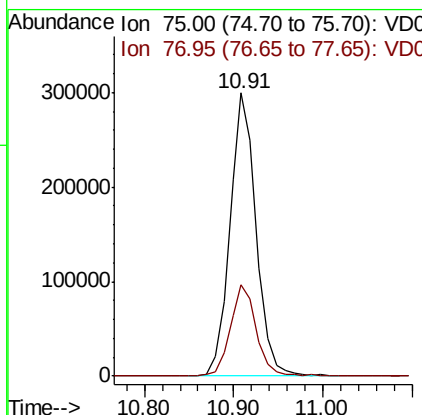
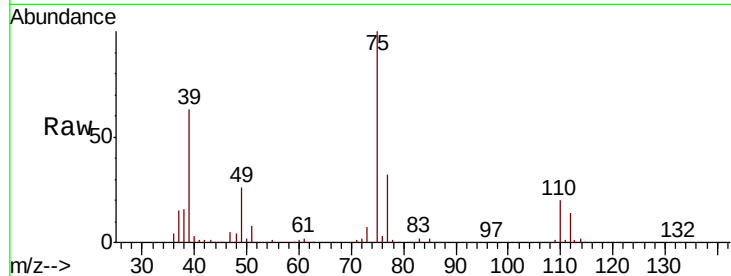




#53
 t-1,3-Dichloropropene
 Concen: 48.715 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

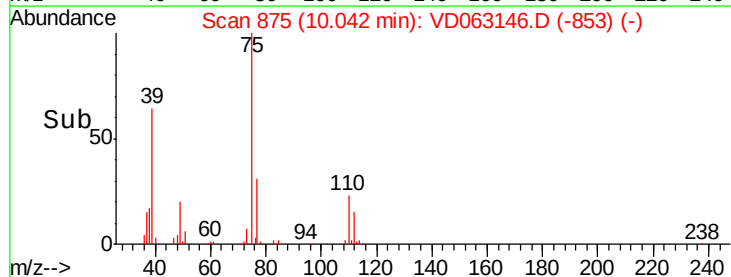
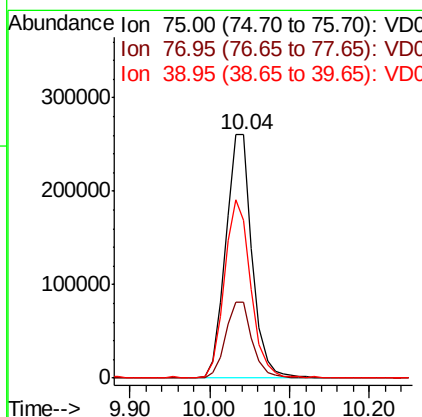
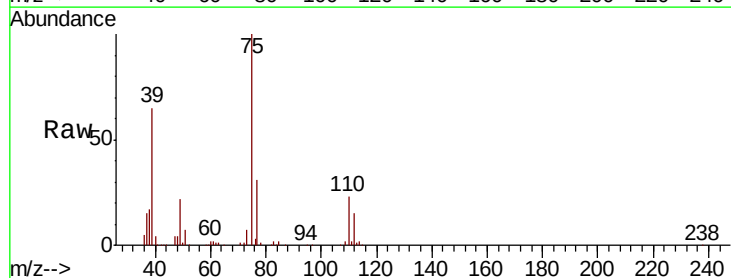
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

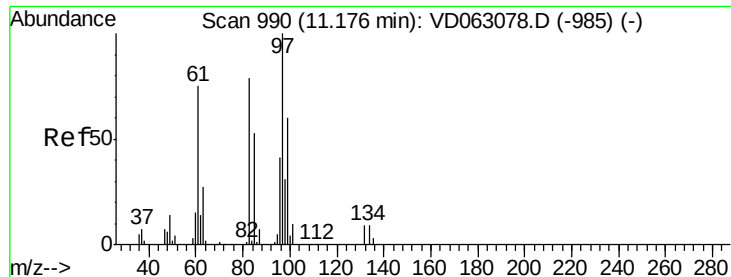
Tot Ion: 75 Resp: 613421
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 46.688 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.02 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Tgt Ion: 75 Resp: 607872
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.9 35.9
 39 64.8 59.4 89.0



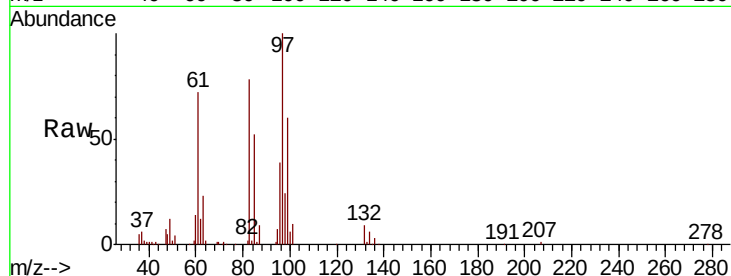


#55
 1,1,2-Trichloroethane
 Concen: 50.074 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

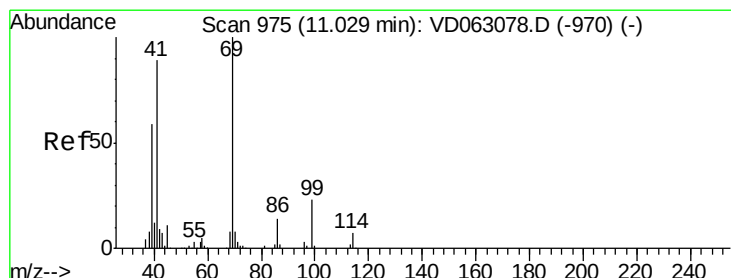
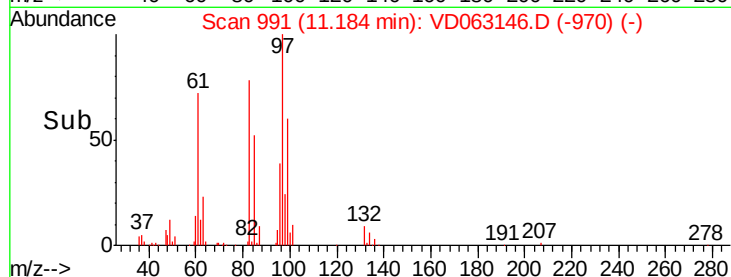
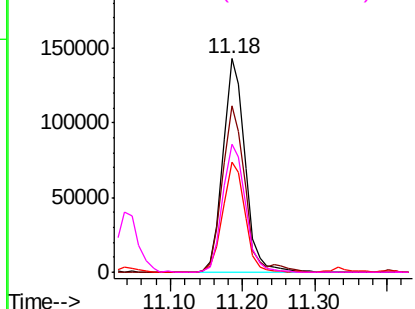
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 303777

Ion	Ratio	Lower	Upper
97	100		
83	78.0	63.2	94.8
85	51.7	42.0	63.0
99	59.9	48.3	72.5



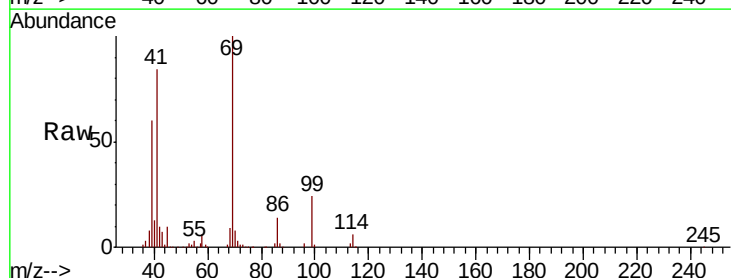
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



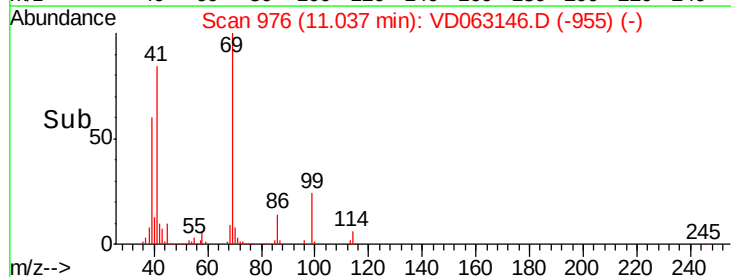
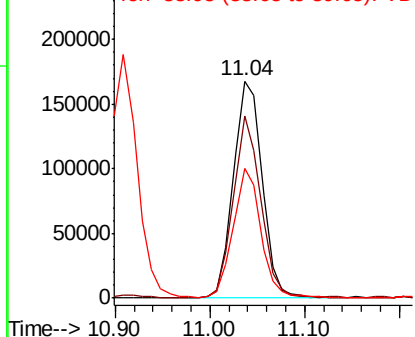
#56
 Ethyl methacrylate
 Concen: 52.331 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

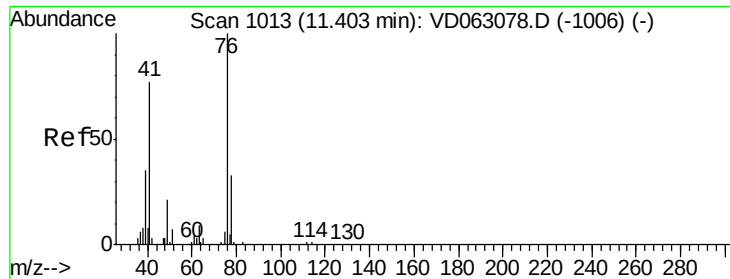
Tgt Ion: 69 Resp: 354711

Ion	Ratio	Lower	Upper
69	100		
41	84.0	71.0	106.4
39	59.8	47.7	71.5



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

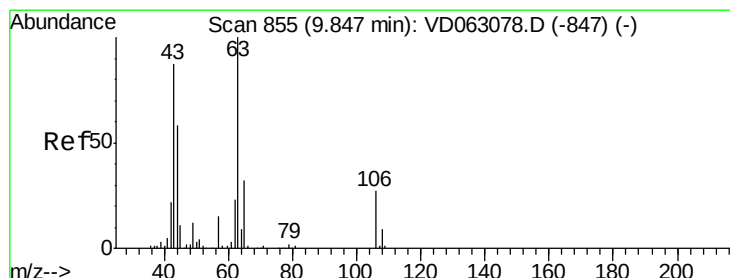
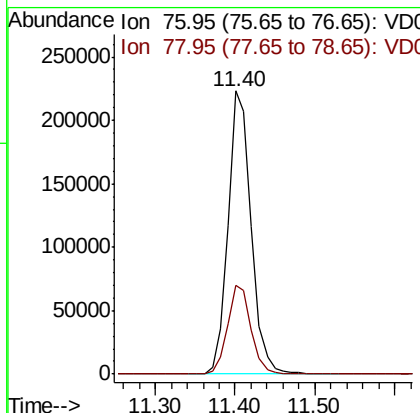
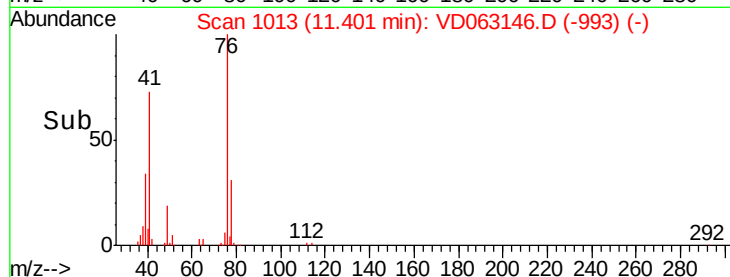
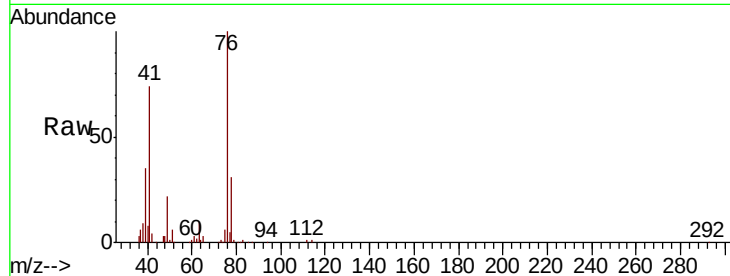




#57
 1,3-Dichloropropane
 Concen: 49.282 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

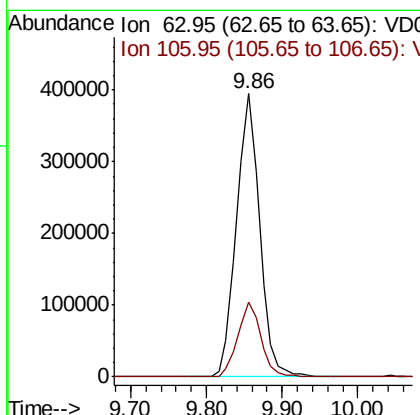
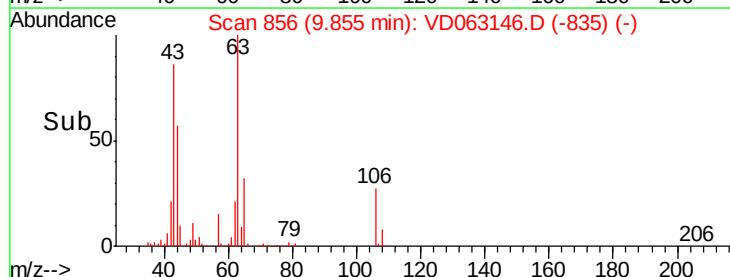
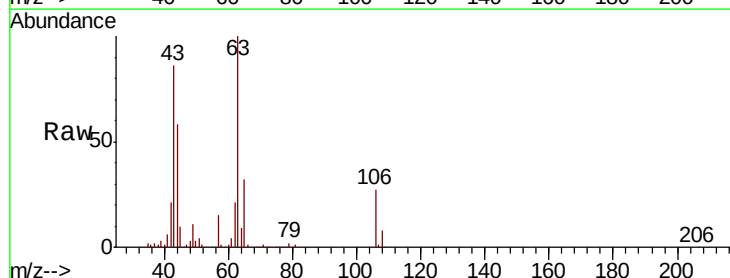
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

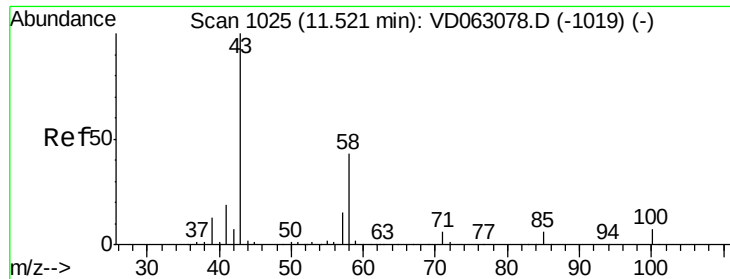
Tot Ion: 76 Resp: 454935
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.105 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Tgt Ion: 63 Resp: 834482
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.3 31.9

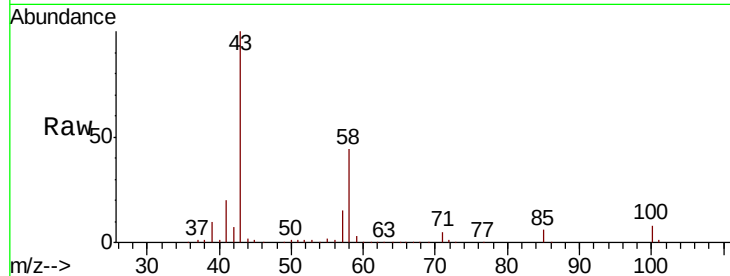




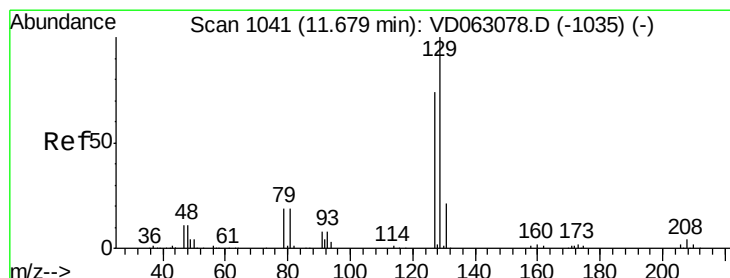
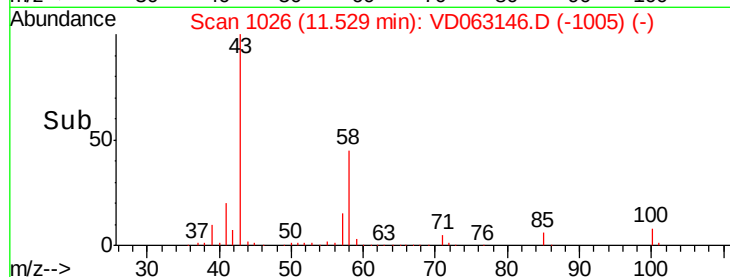
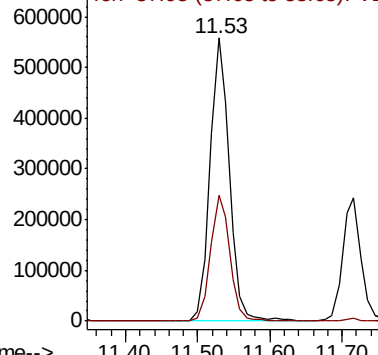
#59
2-Hexanone
Concen: 266.094 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1048003
Ion Ratio Lower Upper
43 100
58 44.5 21.7 65.1

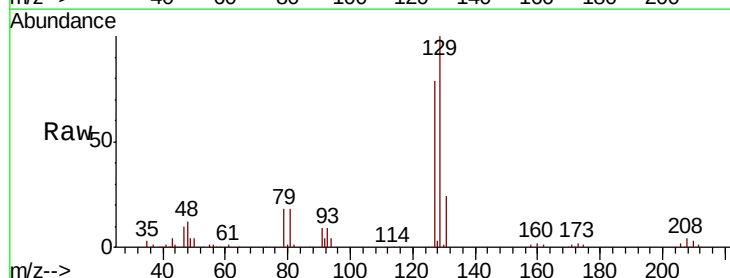


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

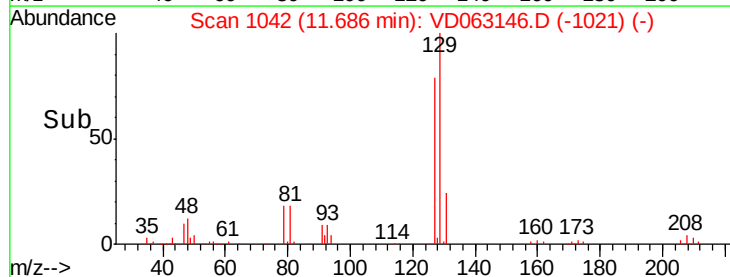
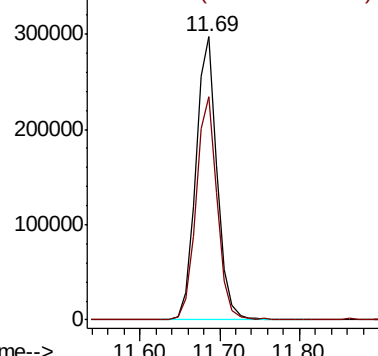


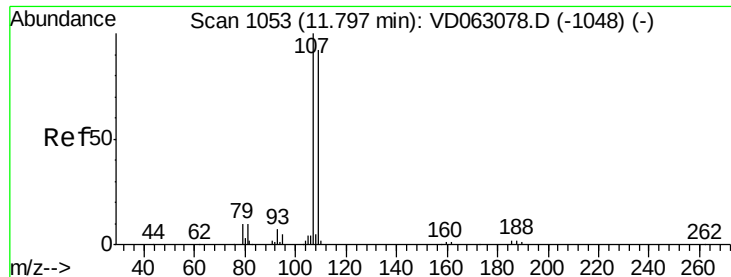
#60
Dibromochloromethane
Concen: 48.045 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 129 Resp: 558709
Ion Ratio Lower Upper
129 100
127 78.9 37.0 110.9



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





#61

1,2-Dibromoethane

Concen: 51.194 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

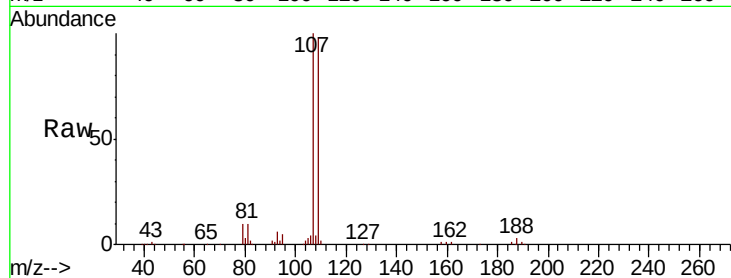
VSTDCCC050

Tot Ion:107 Resp: 371752

Ion Ratio Lower Upper

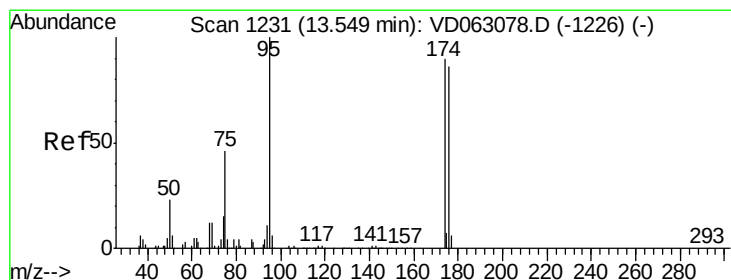
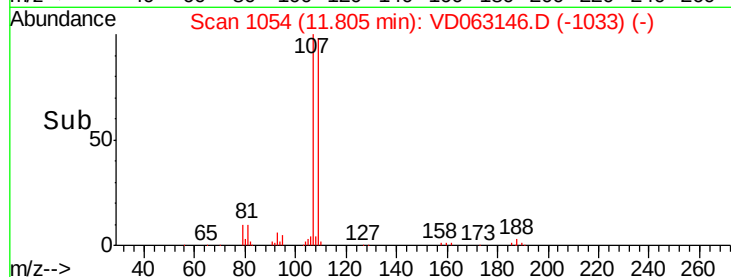
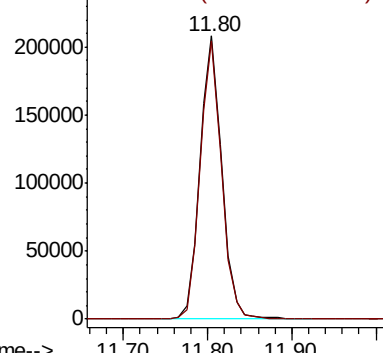
107 100

109 98.2 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 46.973 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

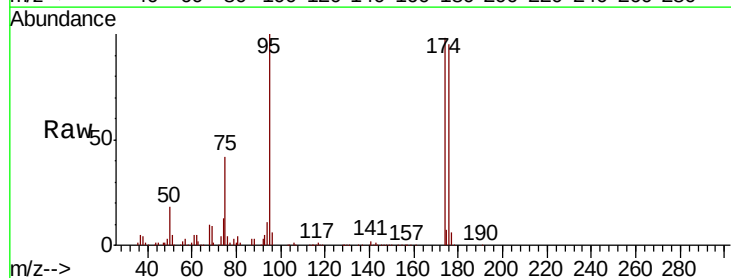
Tgt Ion: 95 Resp: 518876

Ion Ratio Lower Upper

95 100

174 97.5 0.0 180.6

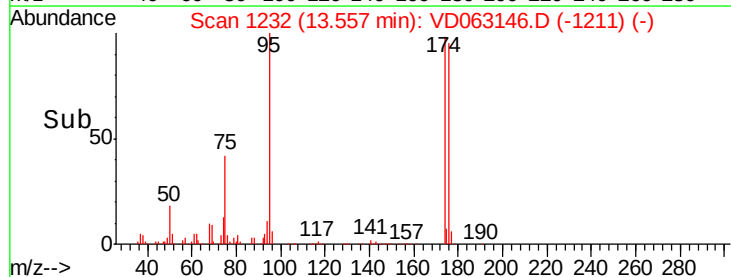
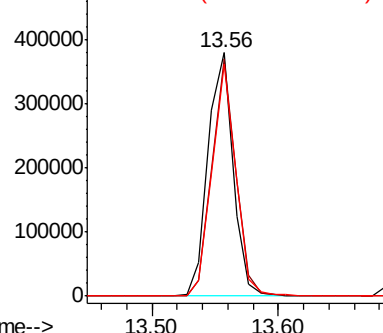
176 95.2 0.0 172.2

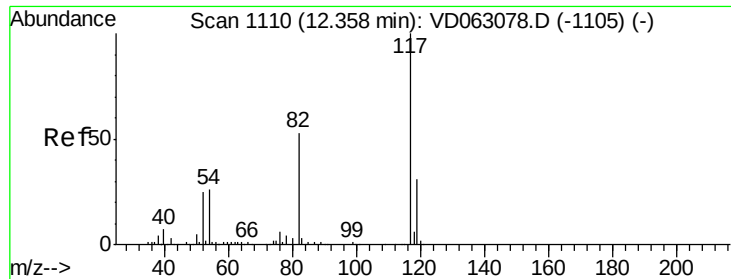


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

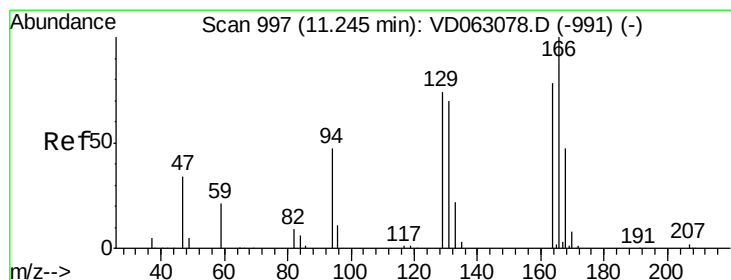
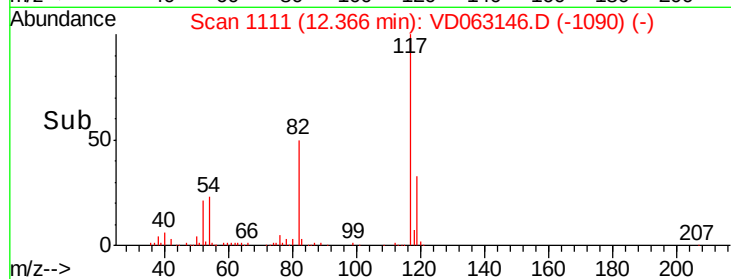
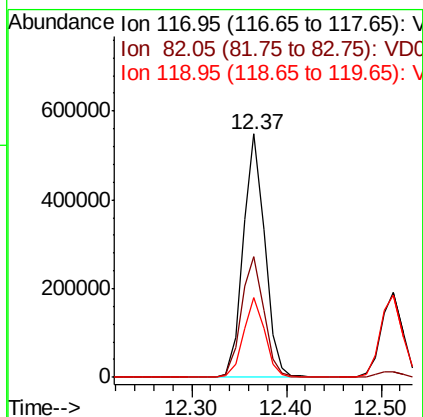
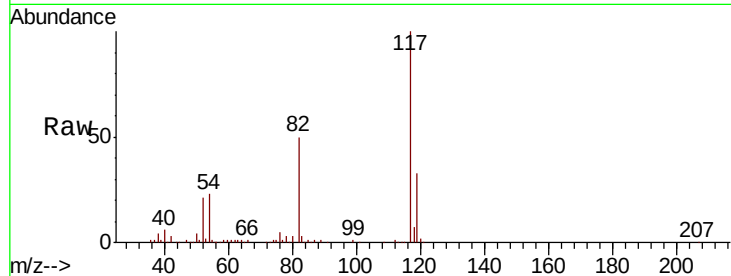




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

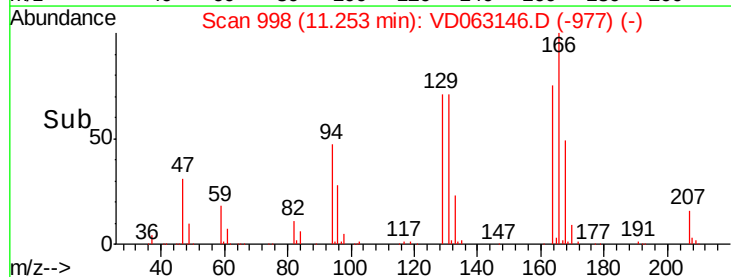
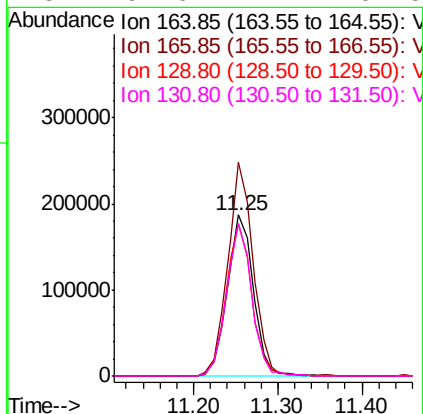
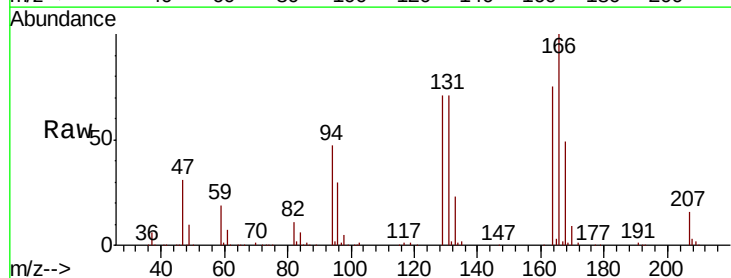
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

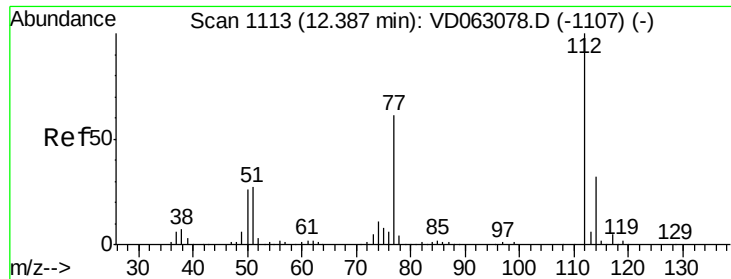
Tot Ion:117 Resp: 868904
Ion Ratio Lower Upper
117 100
82 49.6 42.3 63.5
119 32.9 25.2 37.8



#64
Tetrachloroethene
Concen: 47.456 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion:164 Resp: 400113
Ion Ratio Lower Upper
164 100
166 132.6 102.8 154.2
129 94.6 76.4 114.6
131 94.6 71.7 107.5

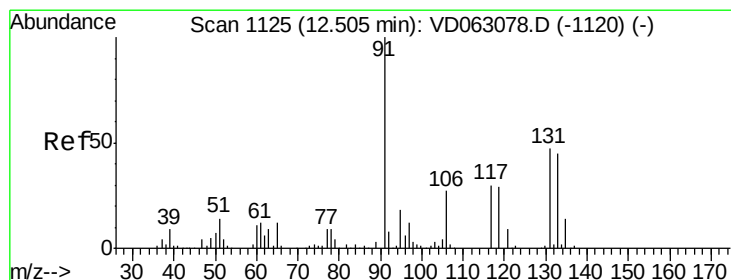
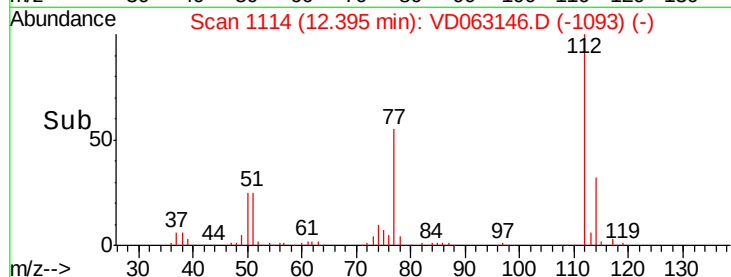
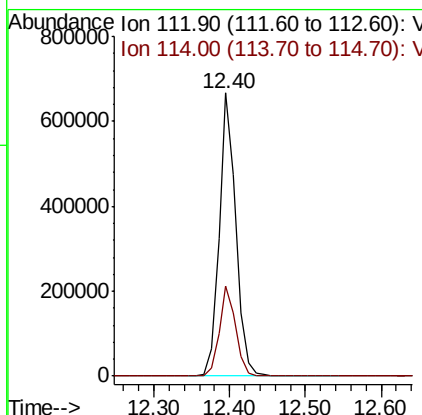
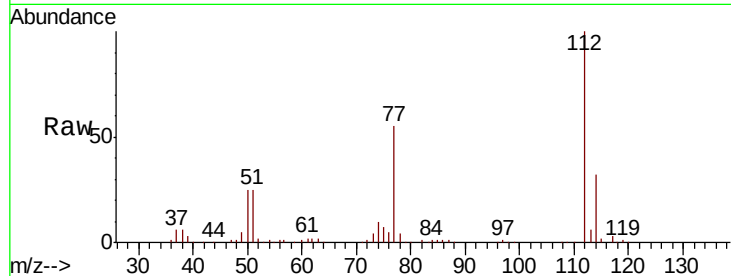




#65
Chlorobenzene
Concen: 50.238 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

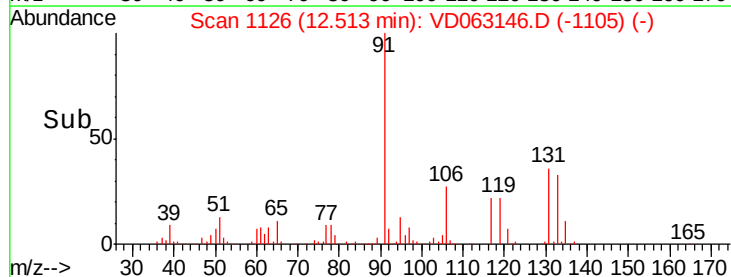
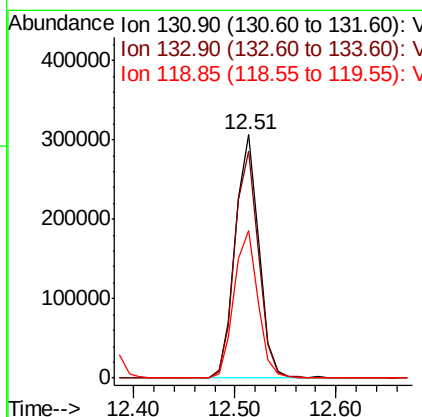
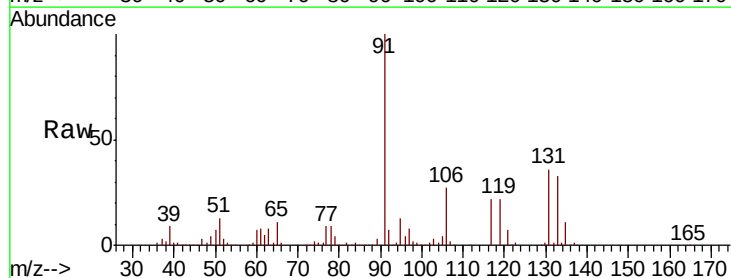
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

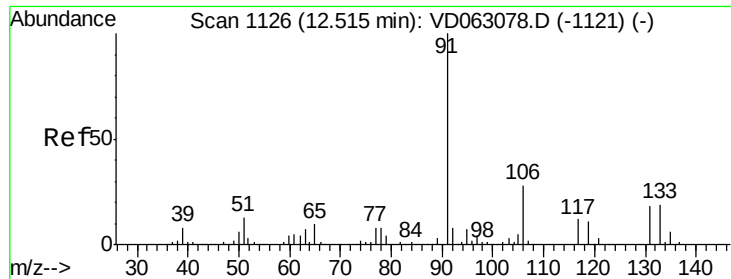
Tot Ion:112 Resp: 1026125
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.370 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion:131 Resp: 495934
Ion Ratio Lower Upper
131 100
133 93.0 48.5 145.6
119 60.7 30.8 92.3

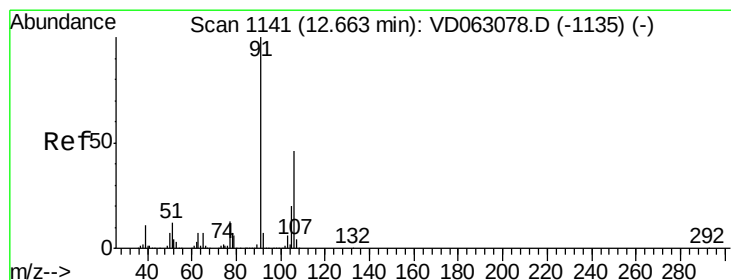
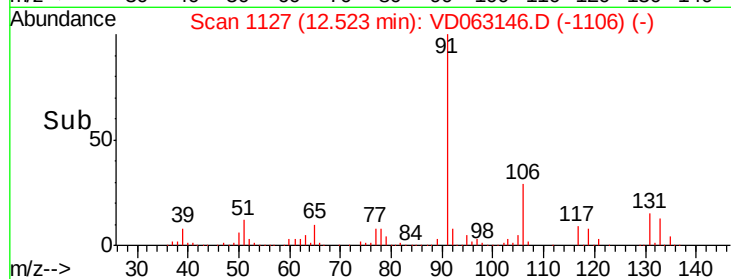
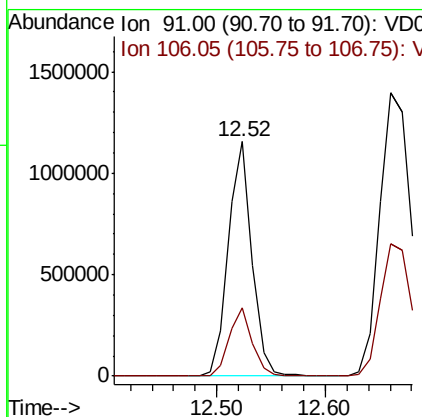
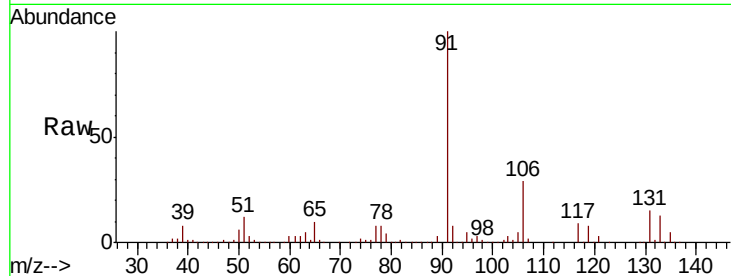




#67
Ethyl Benzene
Concen: 49.330 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

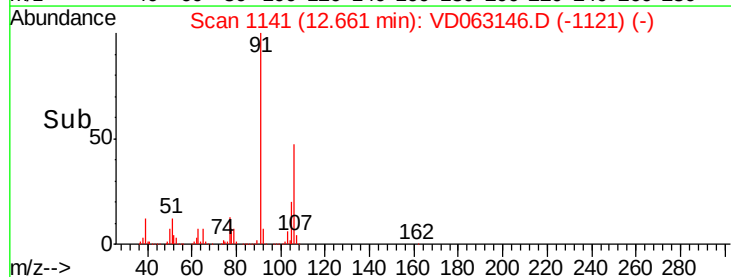
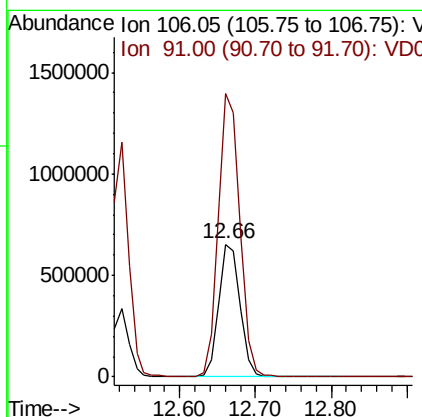
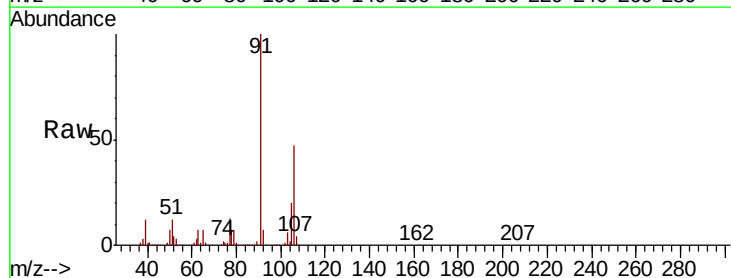
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

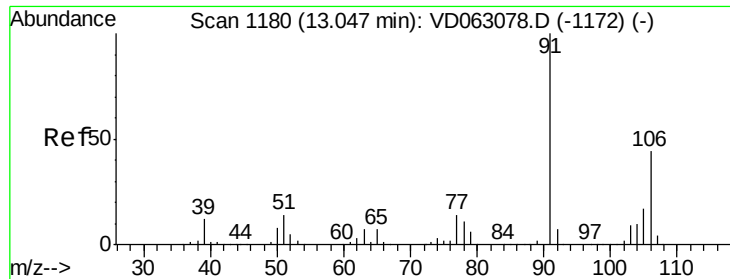
Tot Ion: 91 Resp: 1750692
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7



#68
m/p-Xylenes
Concen: 101.801 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion:106 Resp: 1294026
Ion Ratio Lower Upper
106 100
91 213.5 173.0 259.6

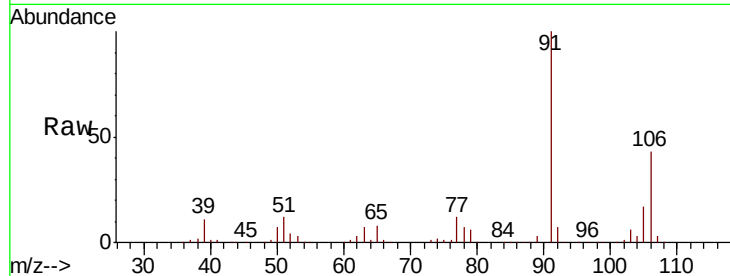




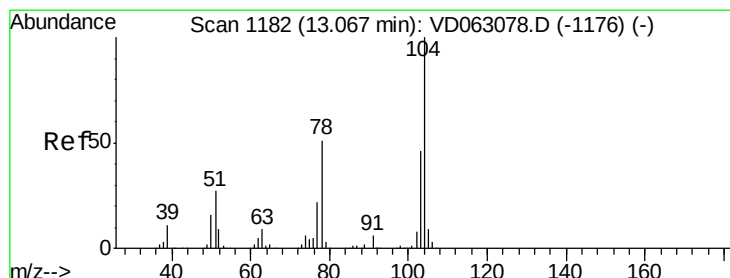
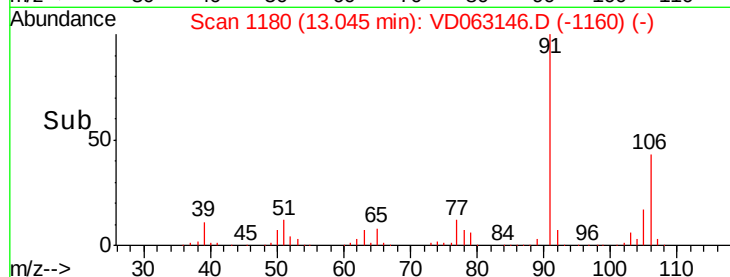
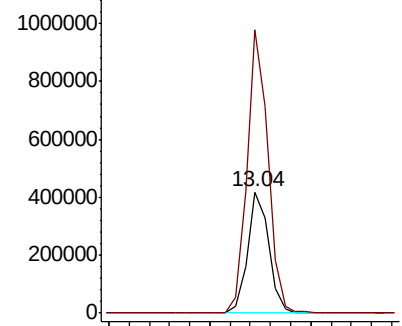
#69
o-Xylene
Concen: 50.947 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 614065
Ion Ratio Lower Upper
106 100
91 233.9 114.9 344.7

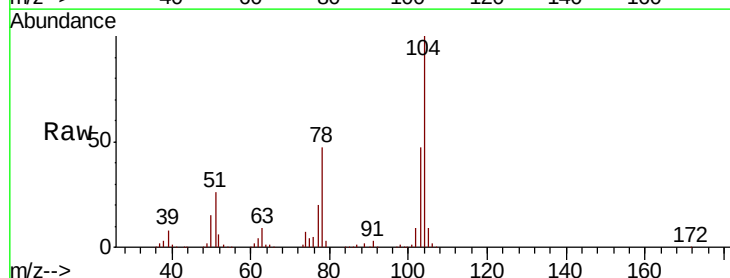


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

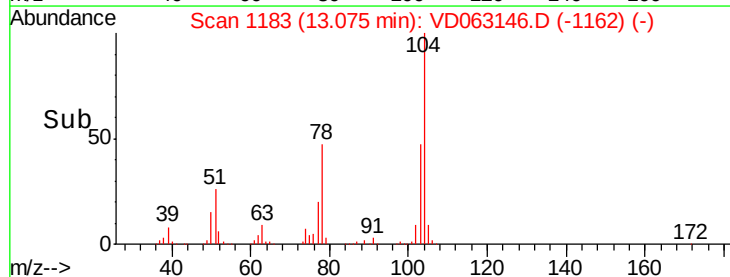
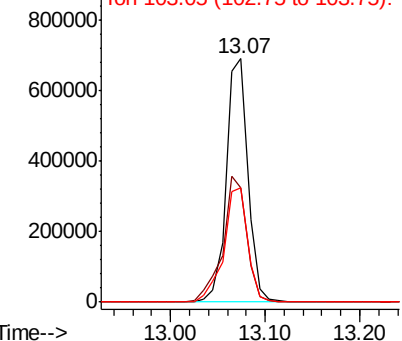


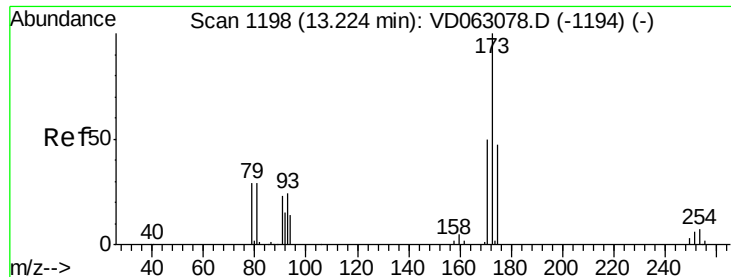
#70
Styrene
Concen: 51.638 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion:104 Resp: 1089453
Ion Ratio Lower Upper
104 100
78 46.9 41.1 61.7
103 46.8 37.0 55.6



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





#71

Bromoform

Concen: 54.895 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

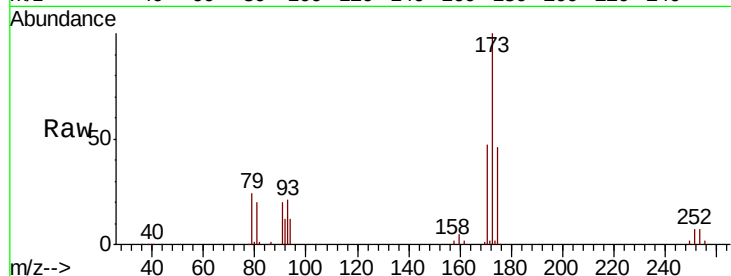
Tot Ion:173 Resp: 363944

Ion Ratio Lower Upper

173 100

175 45.9 23.4 70.2

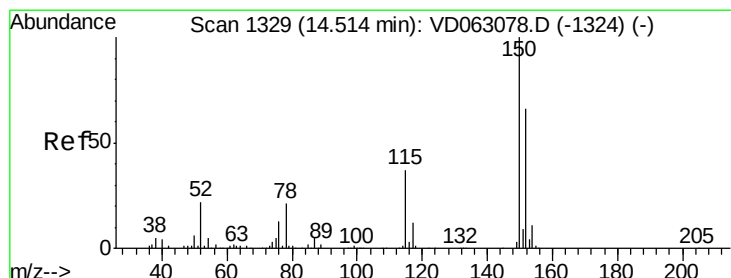
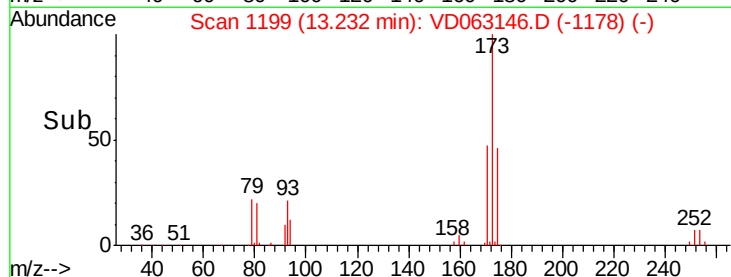
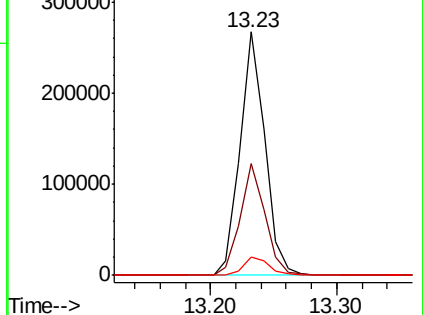
254 7.4 5.4 8.0



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. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

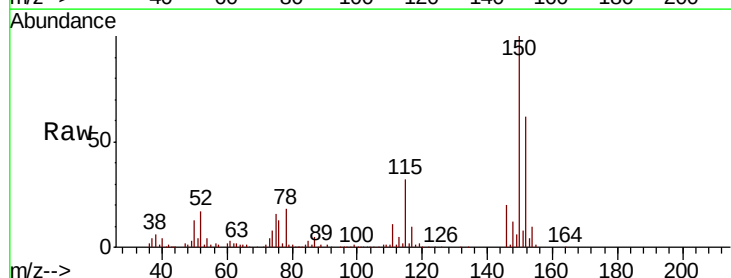
Tgt Ion:152 Resp: 509348

Ion Ratio Lower Upper

152 100

115 52.1 28.9 86.8

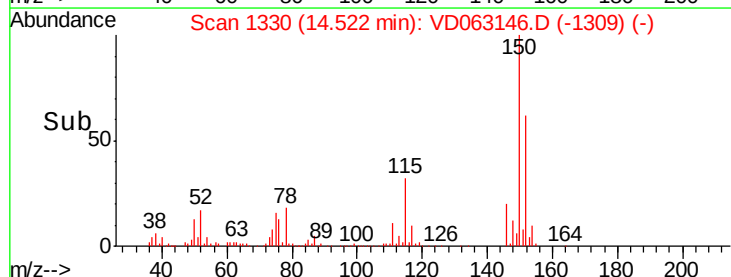
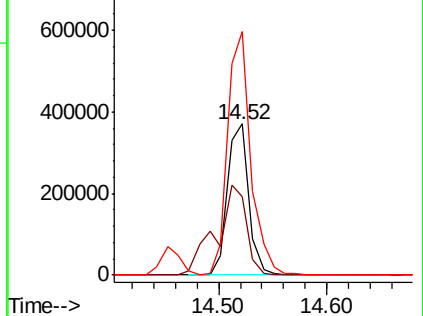
150 160.8 0.0 313.8

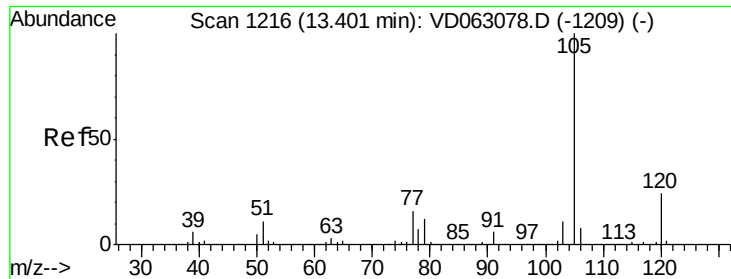


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.640 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

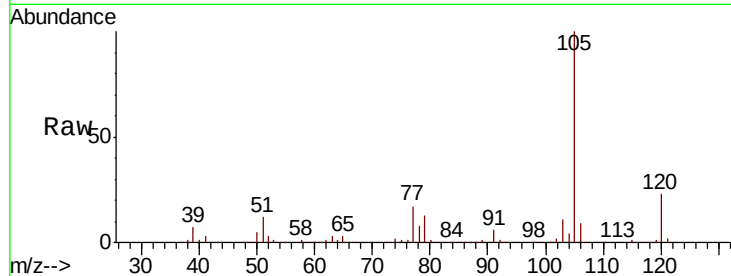
VSTDCCC050

Tot Ion:105 Resp: 1834595

Ion Ratio Lower Upper

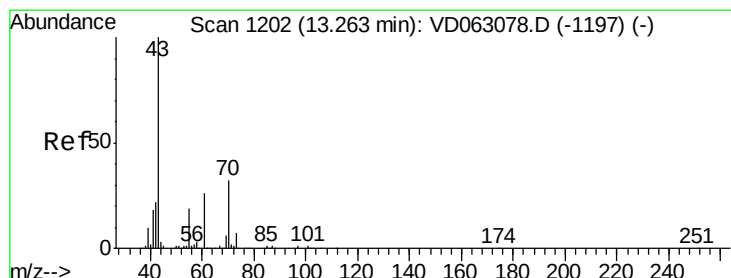
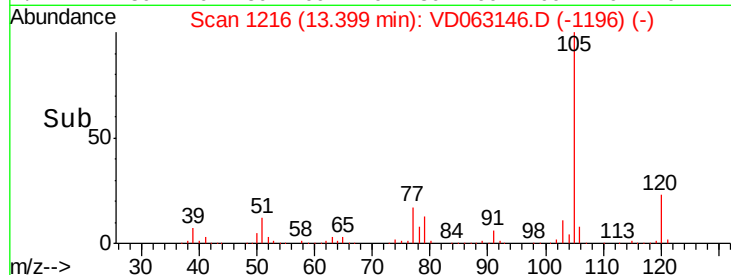
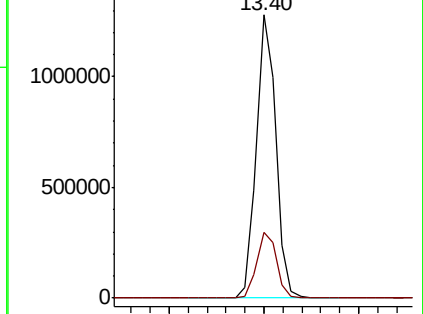
105 100

120 23.1 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.897 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Tgt Ion: 43 Resp: 514476

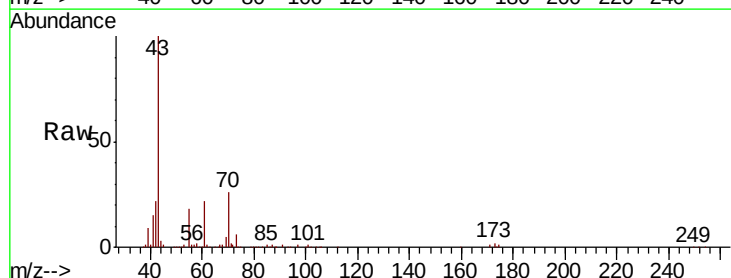
Ion Ratio Lower Upper

43 100

70 25.8 25.5 38.3

55 17.5 15.4 23.0

61 21.5 20.6 31.0

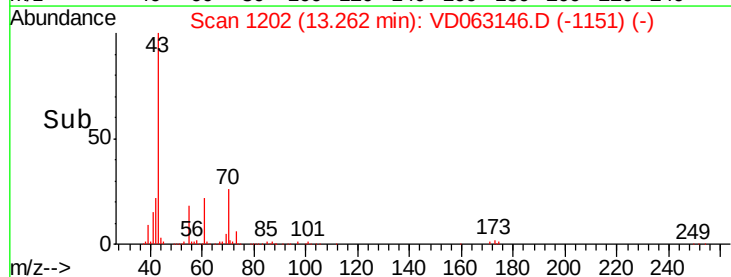
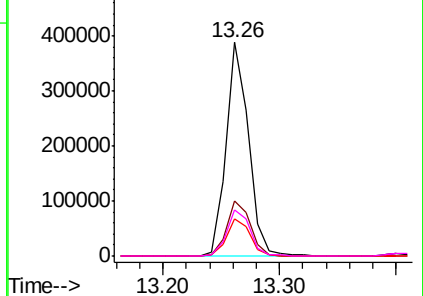


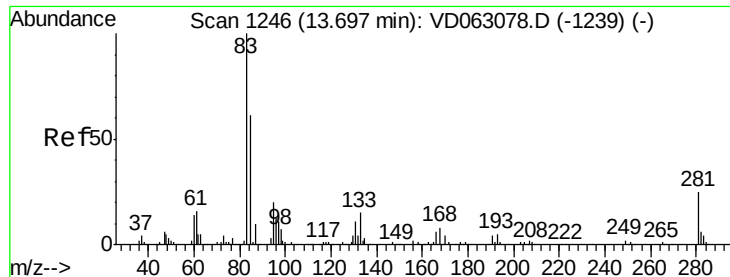
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 48.101 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

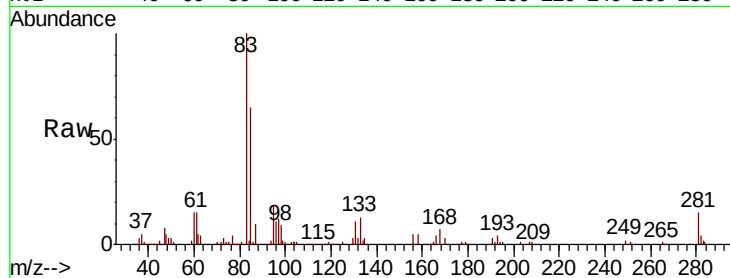
Tot Ion: 83 Resp: 344252

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

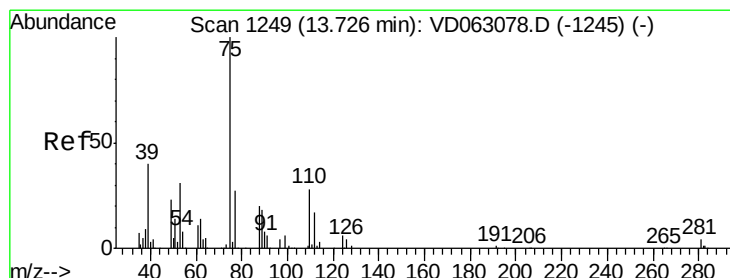
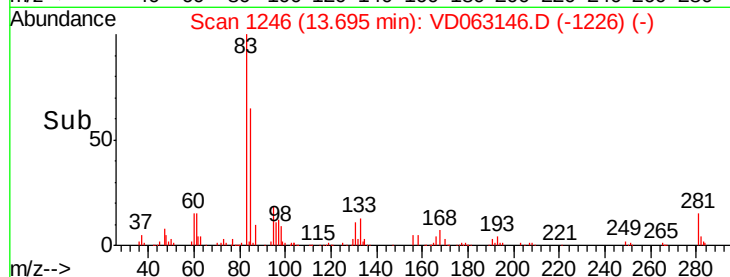
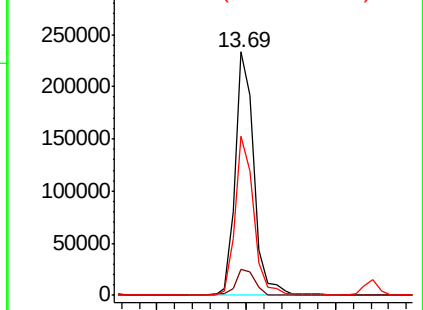
85 65.4 30.7 92.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.373 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063146.D

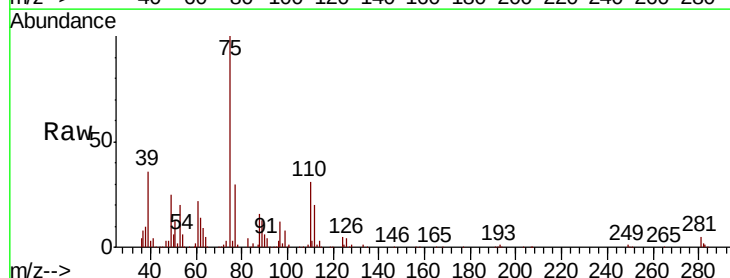
Acq: 19 Jul 2019 11:20

Tgt Ion: 75 Resp: 379011

Ion Ratio Lower Upper

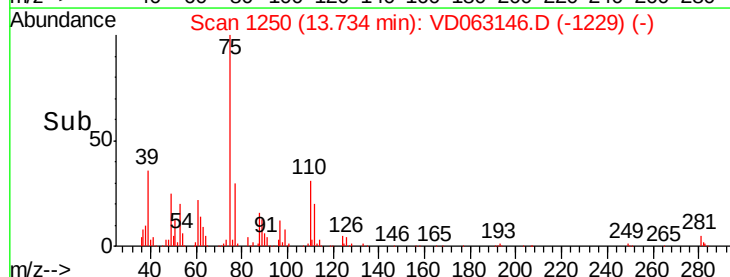
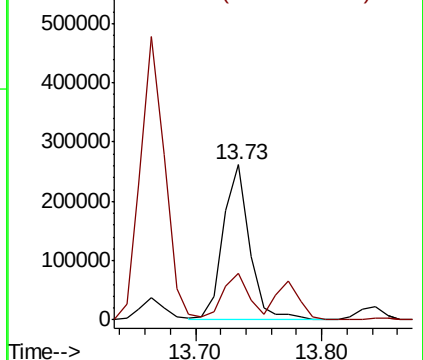
75 100

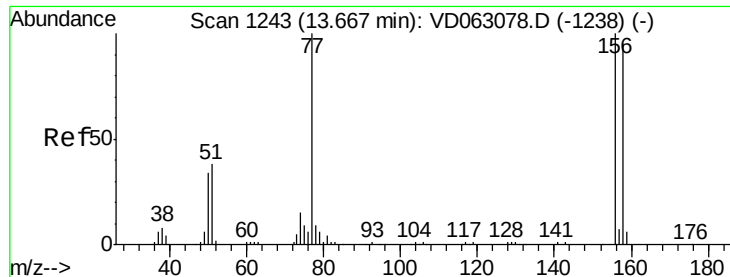
77 29.9 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 46.879 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

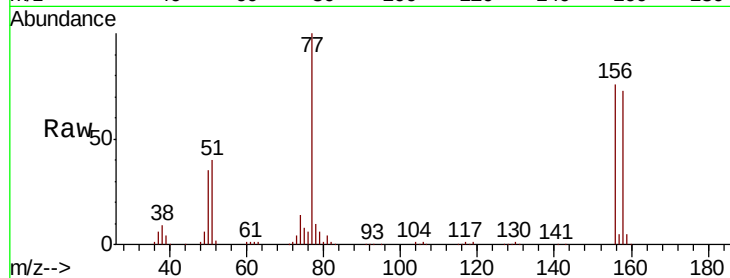
Tot Ion:156 Resp: 522933

Ion Ratio Lower Upper

156 100

77 132.3 50.2 150.7

158 96.5 47.6 142.9



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

600000

500000

400000

300000

200000

100000

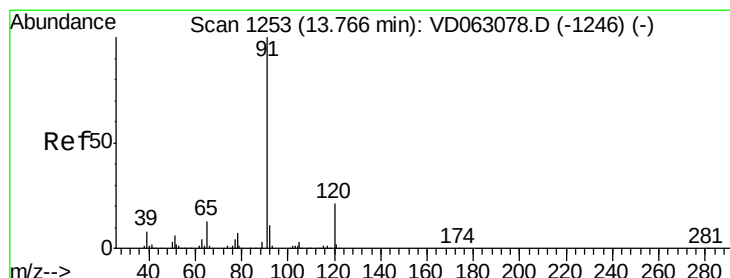
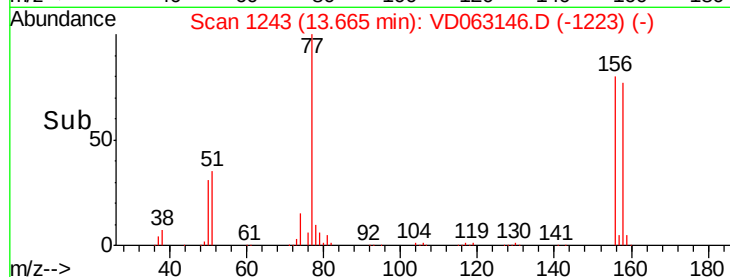
0

13.60

13.70

13.80

Time-->



#78

n-propylbenzene

Concen: 44.909 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063146.D

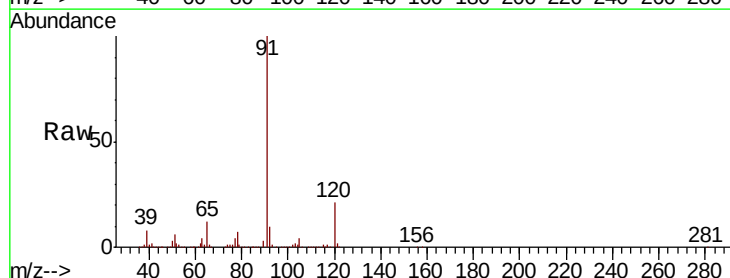
Acq: 19 Jul 2019 11:20

Tgt Ion: 91 Resp: 2032843

Ion Ratio Lower Upper

91 100

120 20.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

1500000

1000000

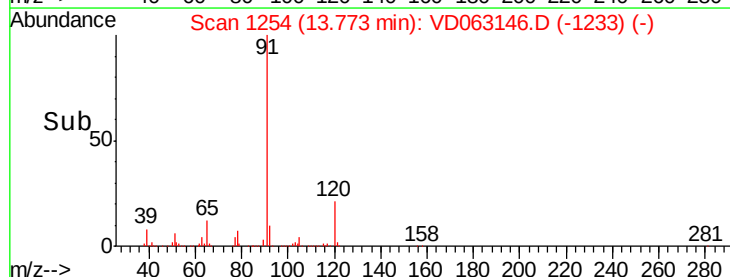
500000

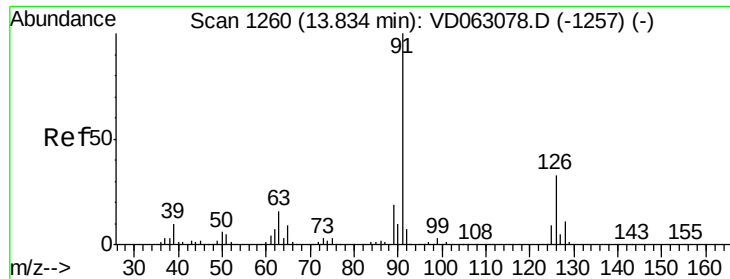
0

13.70

13.80

Time-->





#79

2-Chlorotoluene

Concen: 42.385 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

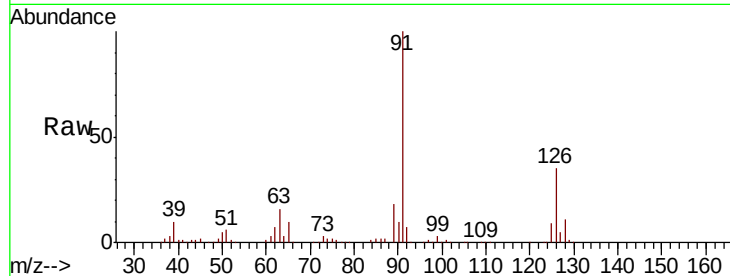
VSTDCCC050

Tot Ion: 91 Resp: 1160046

Ion Ratio Lower Upper

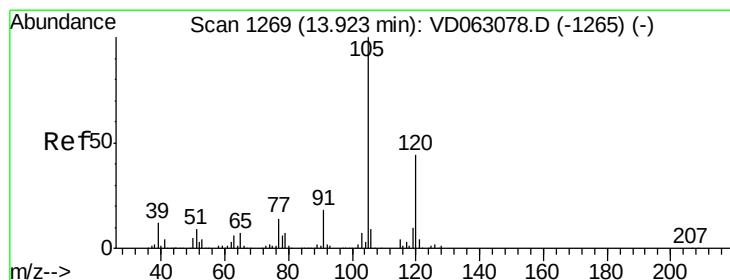
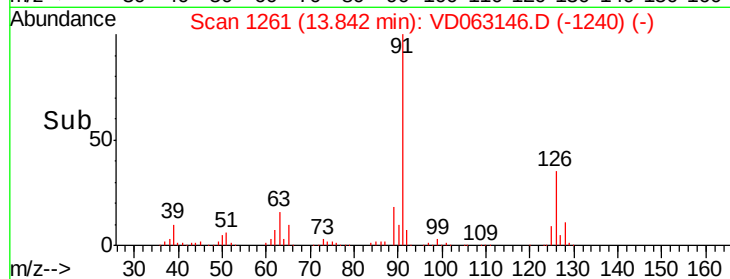
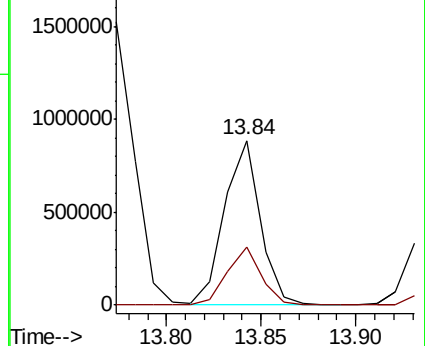
91 100

126 35.2 16.4 49.2



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: 45.006 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063146.D

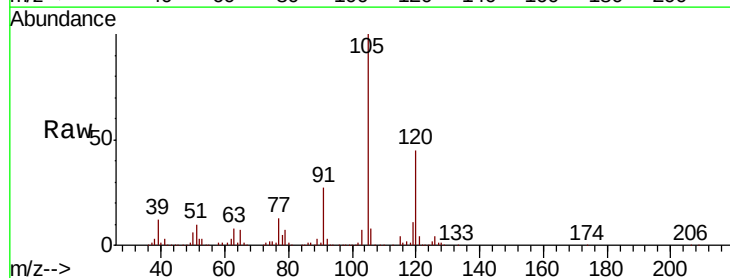
Acq: 19 Jul 2019 11:20

Tgt Ion:105 Resp: 1542942

Ion Ratio Lower Upper

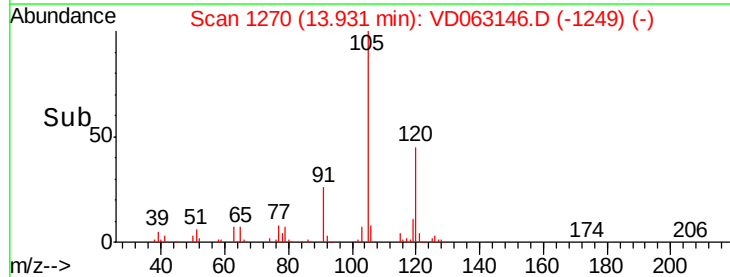
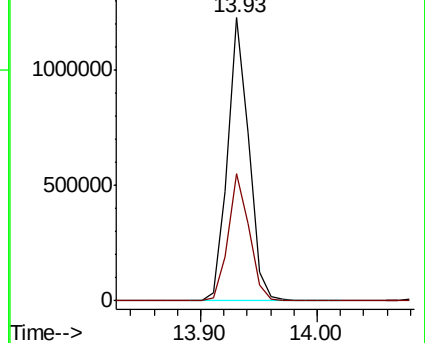
105 100

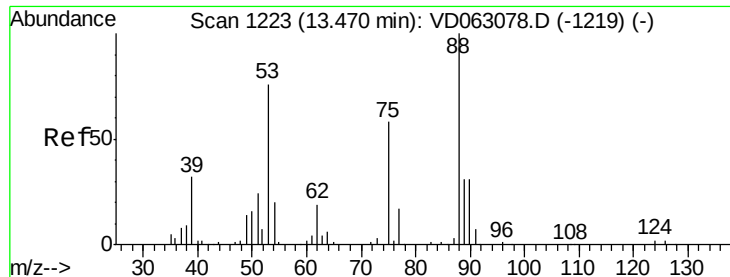
120 45.0 21.8 65.4



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: 47.339 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

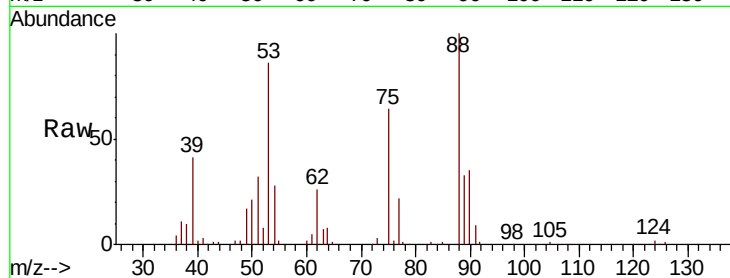
Tot Ion: 75 Resp: 97674

Ion Ratio Lower Upper

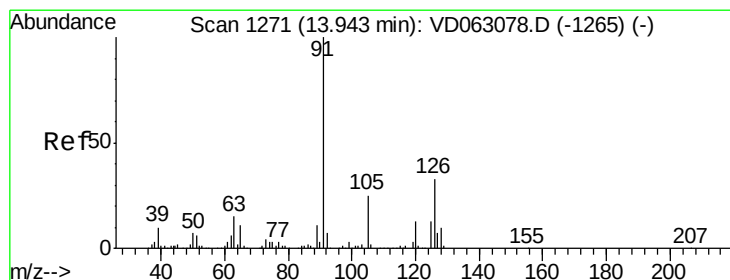
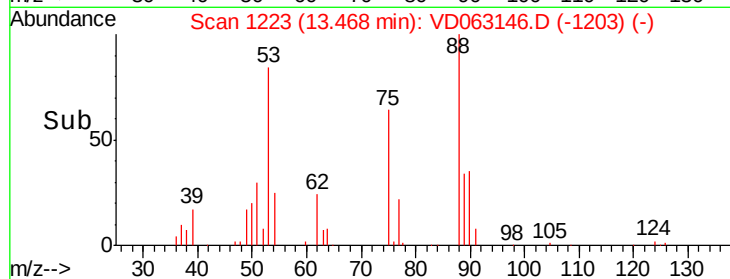
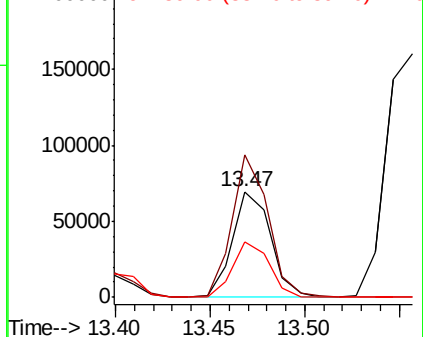
75 100

53 134.3 104.4 156.6

89 52.3 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 46.006 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063146.D

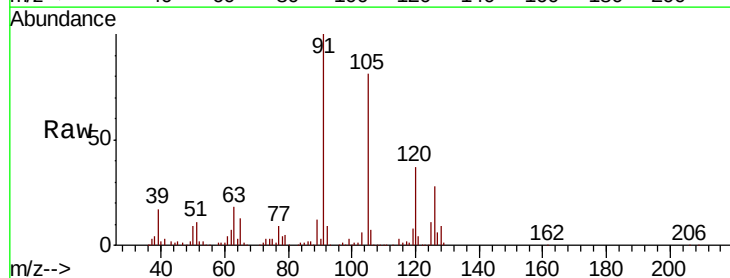
Acq: 19 Jul 2019 11:20

Tgt Ion: 91 Resp: 1470353

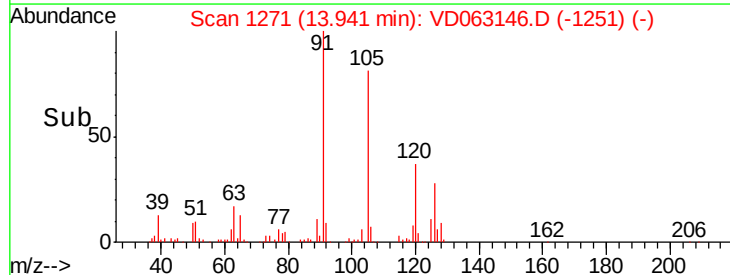
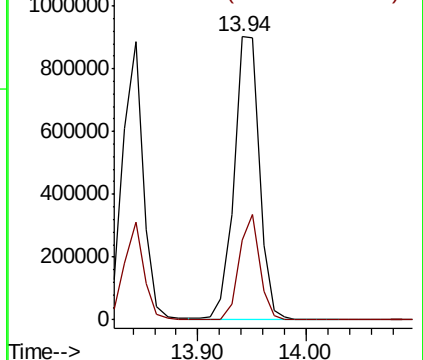
Ion Ratio Lower Upper

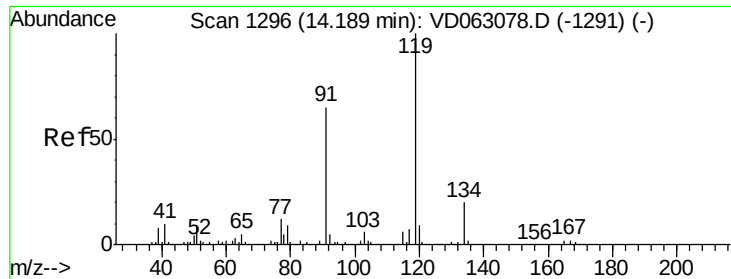
91 100

126 28.3 16.7 50.1



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

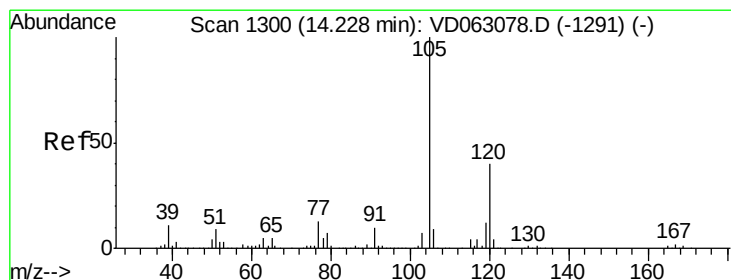
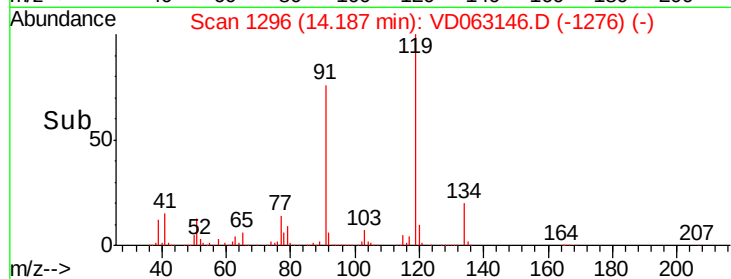
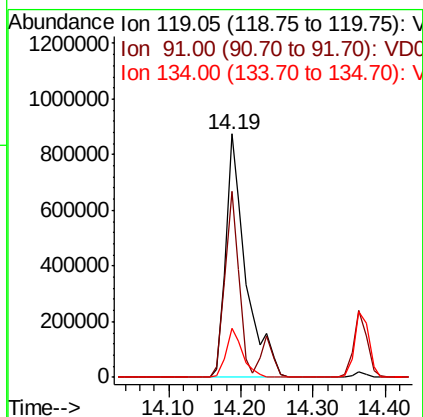
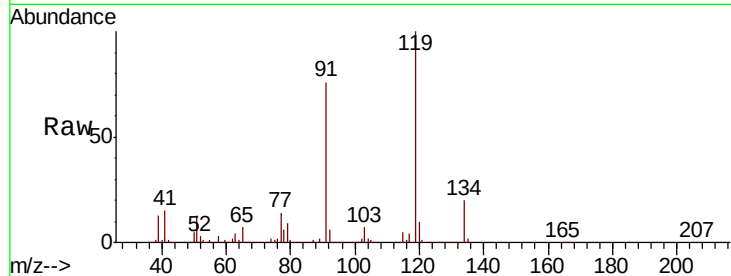




#83
tert-Butylbenzene
Concen: 43.371 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

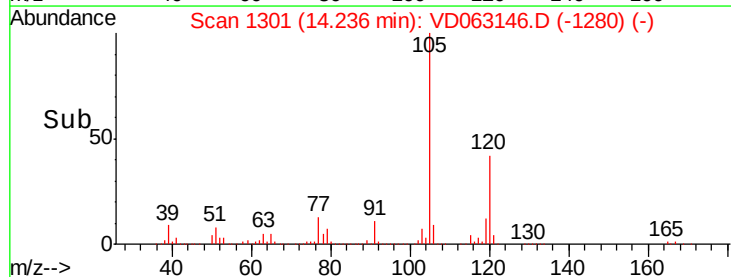
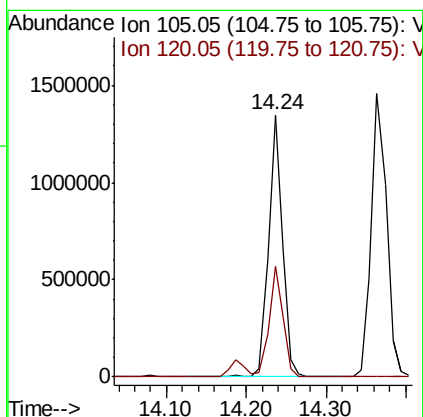
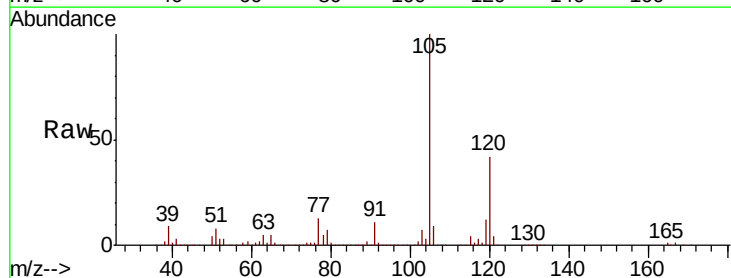
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

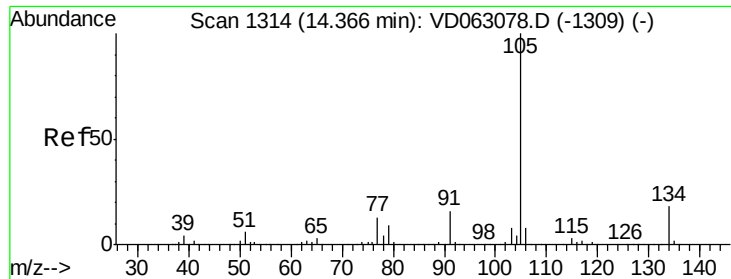
Tot Ion:119 Resp: 1681212
Ion Ratio Lower Upper
119 100
91 76.2 32.4 97.2
134 20.3 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 48.112 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion:105 Resp: 1644388
Ion Ratio Lower Upper
105 100
120 42.2 20.2 60.6





#85

sec-Butylbenzene

Concen: 46.049 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

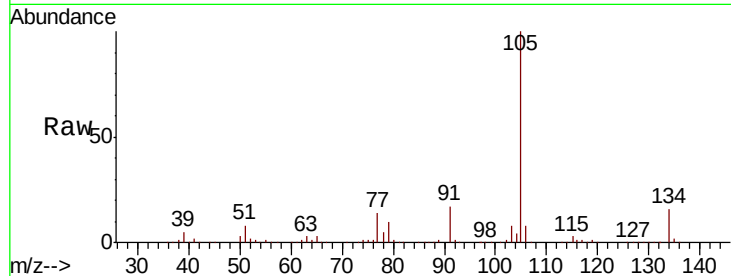
VSTDCCC050

Tot Ion:105 Resp: 1896550

Ion Ratio Lower Upper

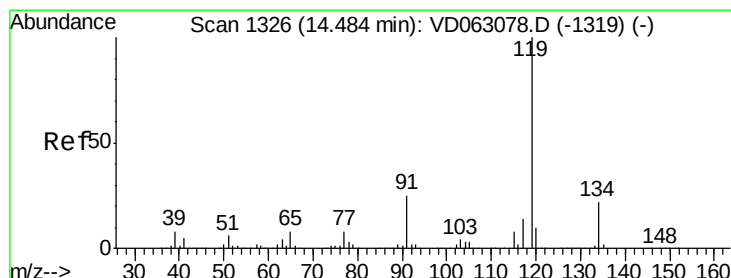
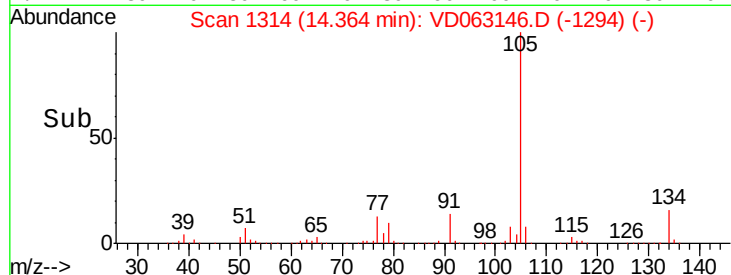
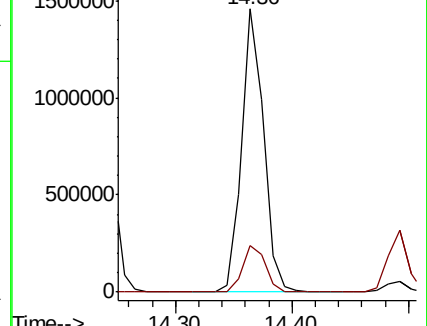
105 100

134 16.4 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 44.944 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

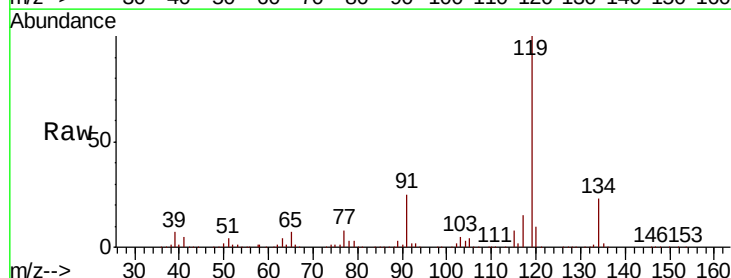
Tgt Ion:119 Resp: 1726792

Ion Ratio Lower Upper

119 100

134 23.2 10.8 32.4

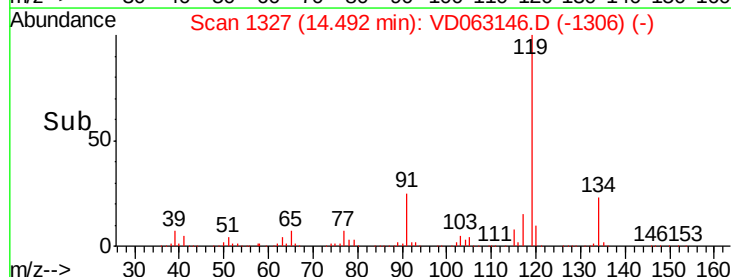
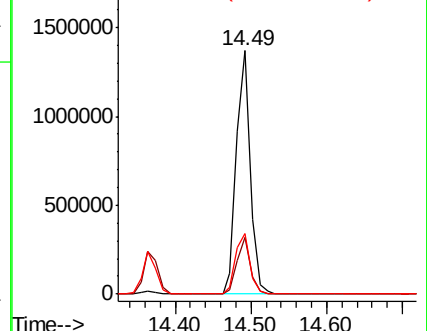
91 24.8 12.5 37.5

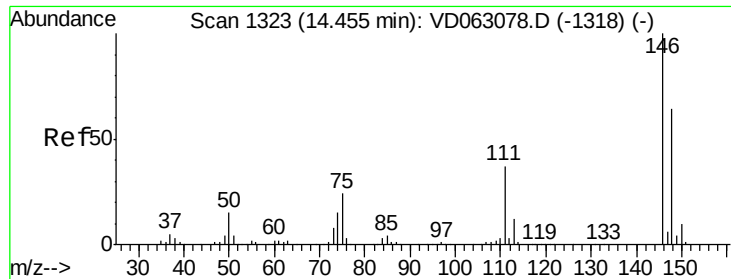


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

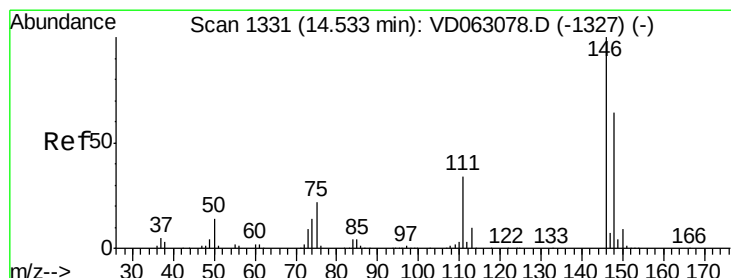
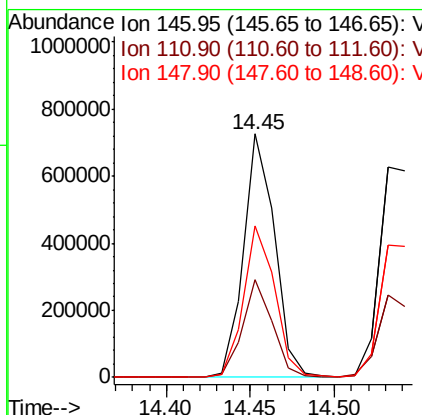
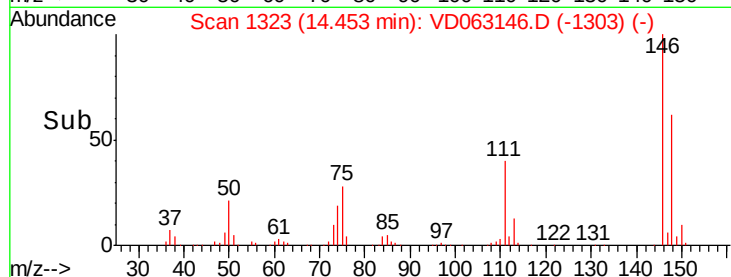
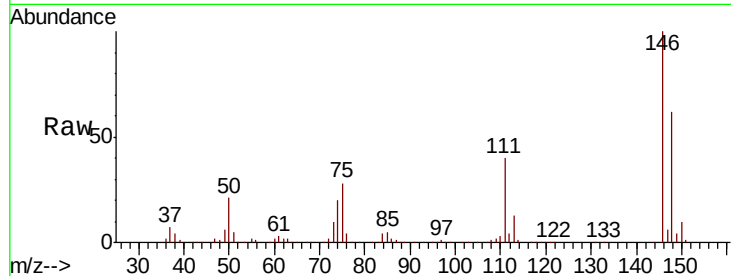




#87
 1,3-Dichlorobenzene
 Concen: 46.691 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

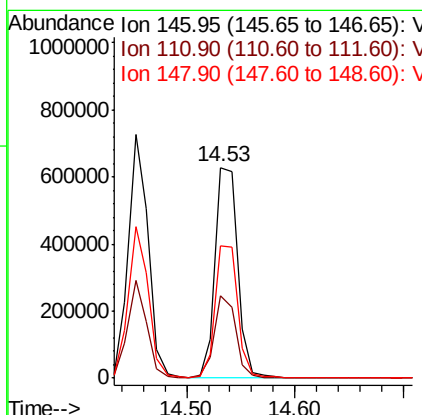
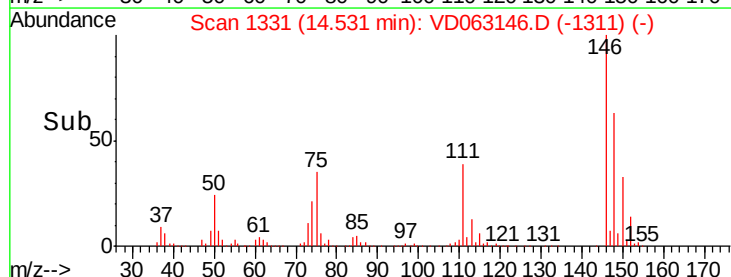
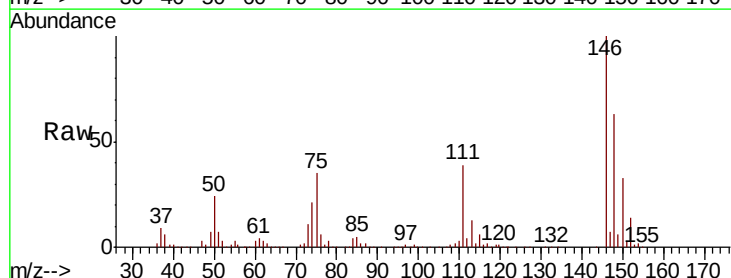
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

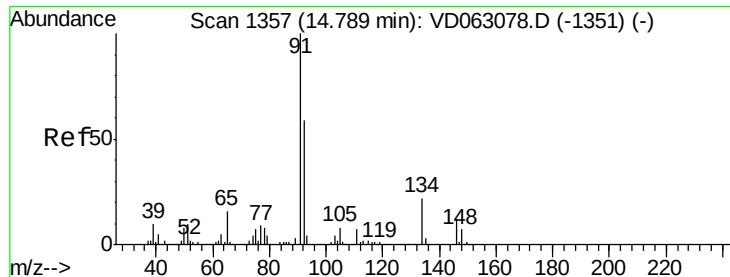
Tot Ion:146 Resp: 930127
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.6 55.6
 148 62.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.712 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Tgt Ion:146 Resp: 911198
 Ion Ratio Lower Upper
 146 100
 111 39.4 17.0 51.0
 148 62.8 32.0 96.2

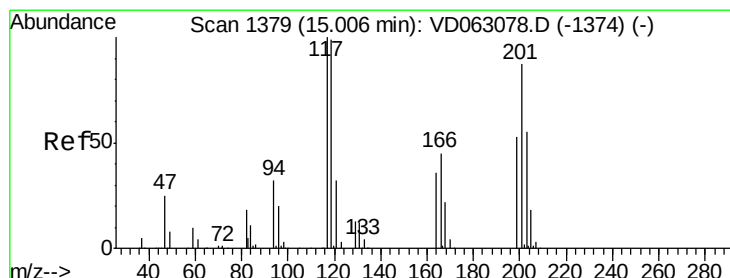
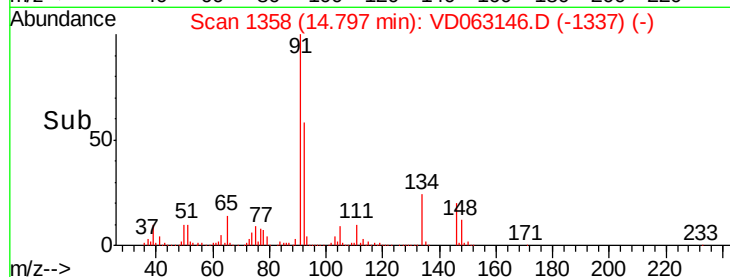
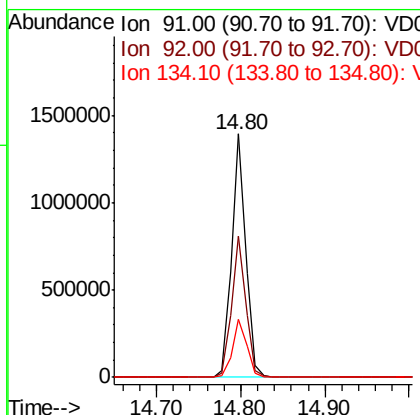
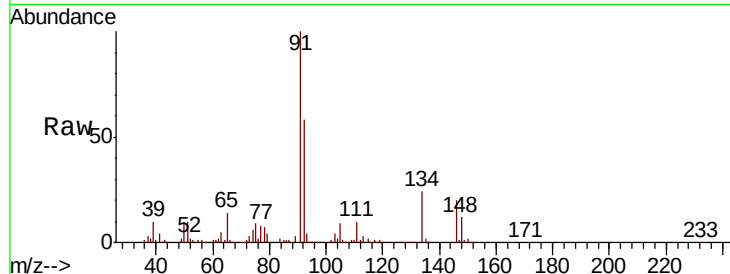




#89
n-Butylbenzene
Concen: 45.539 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

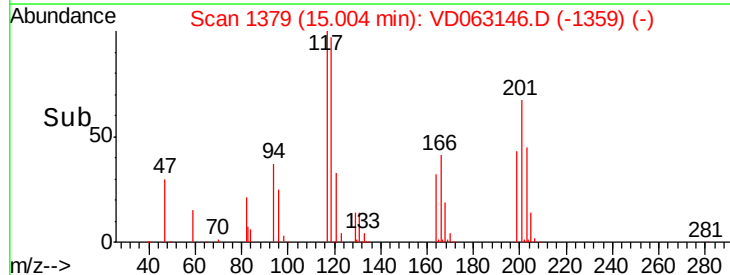
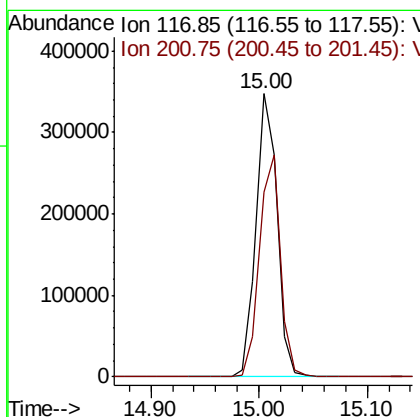
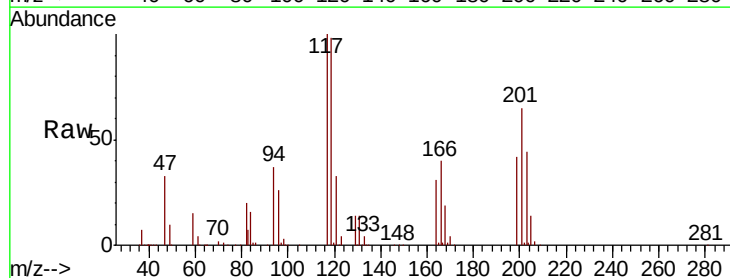
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

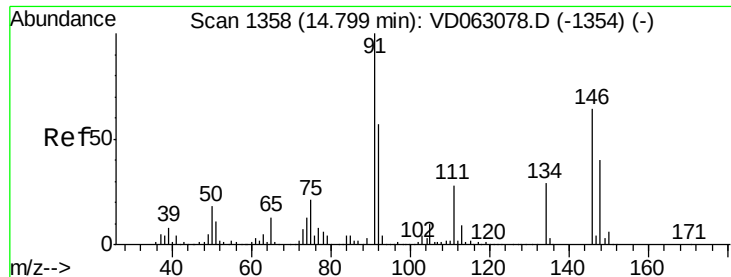
Tot Ion: 91 Resp: 1612673
Ion Ratio Lower Upper
91 100
92 58.1 29.4 88.3
134 23.9 11.3 33.8



#90
Hexachloroethane
Concen: 46.242 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion: 117 Resp: 474958
Ion Ratio Lower Upper
117 100
201 65.2 43.4 130.1





#91

1,2-Dichlorobenzene

Concen: 48.052 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

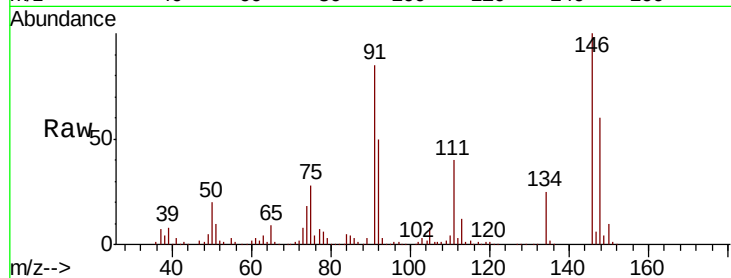
Tot Ion:146 Resp: 852385

Ion Ratio Lower Upper

146 100

111 39.5 21.9 65.5

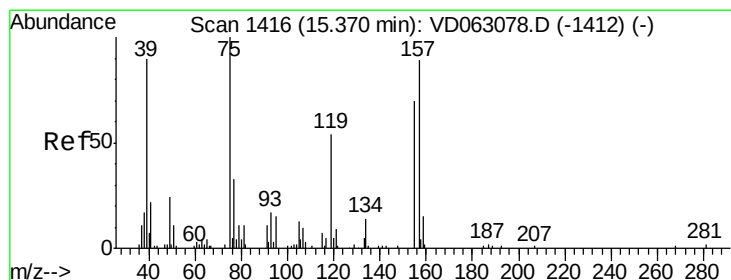
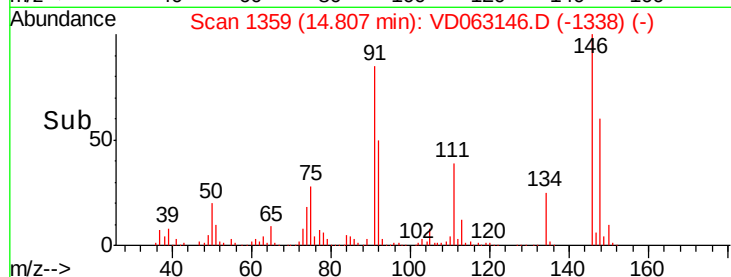
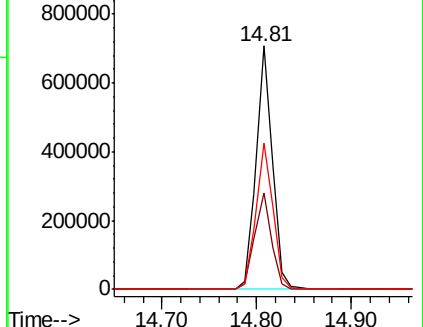
148 60.2 31.5 94.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.638 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD063146.D

Acq: 19 Jul 2019 11:20

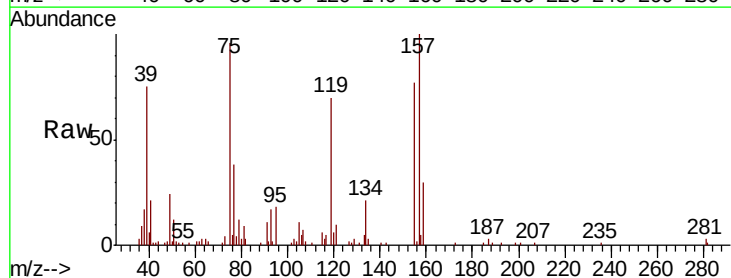
Tgt Ion: 75 Resp: 65350

Ion Ratio Lower Upper

75 100

155 80.4 34.8 104.3

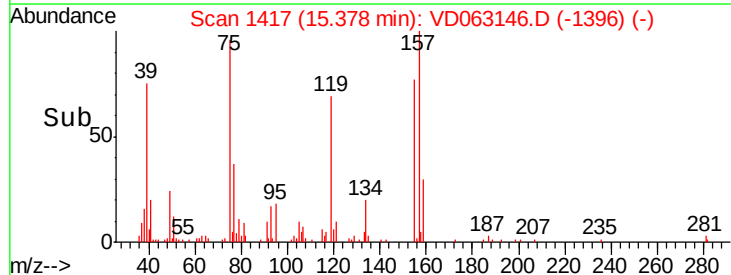
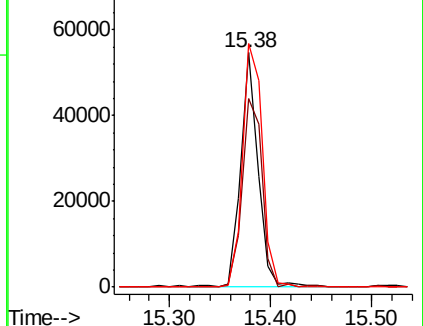
157 103.8 44.7 134.1

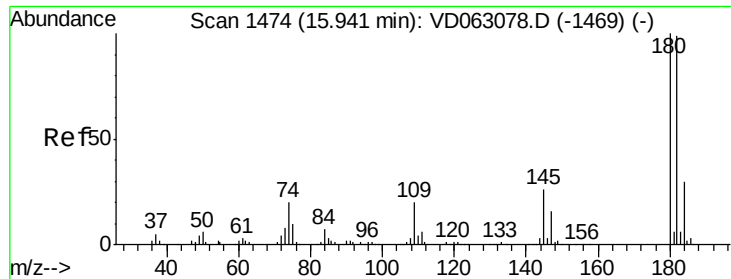


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

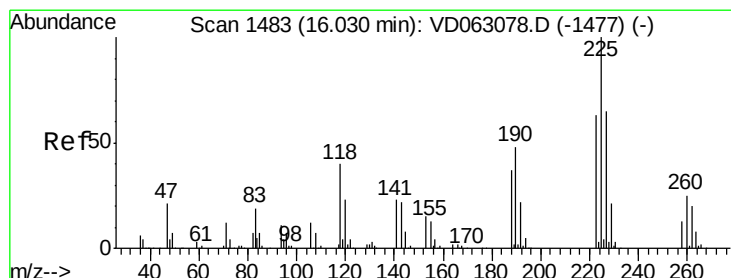
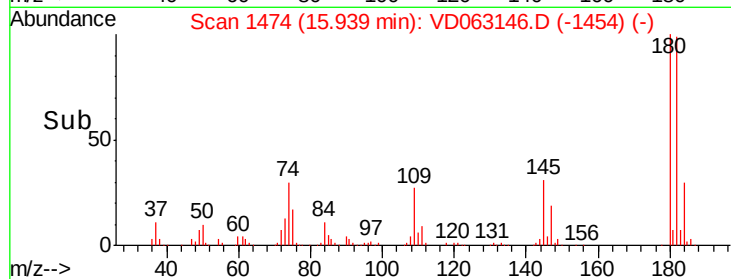
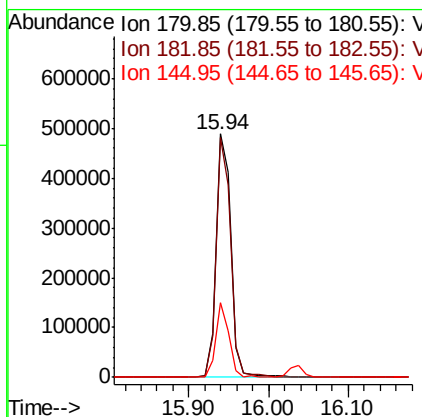
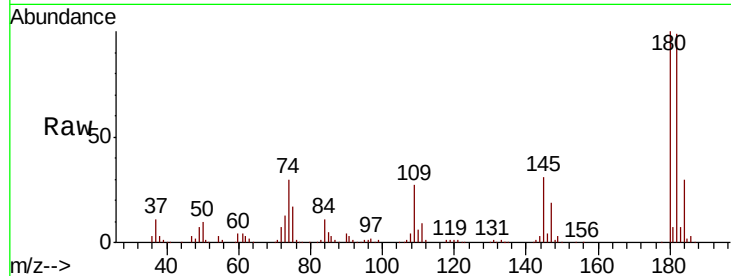




#93
 1,2,4-Trichlorobenzene
 Concen: 48.288 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

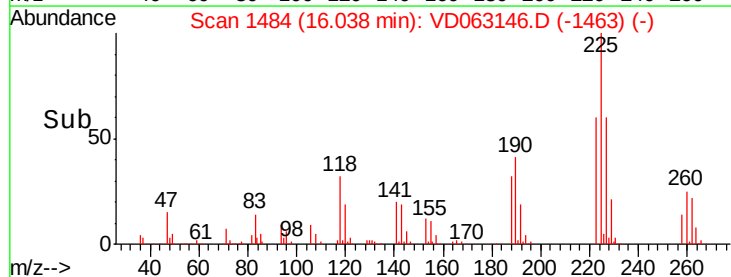
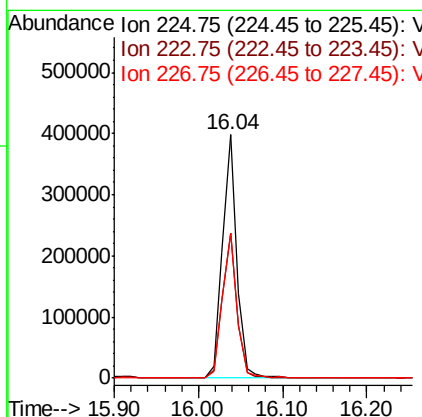
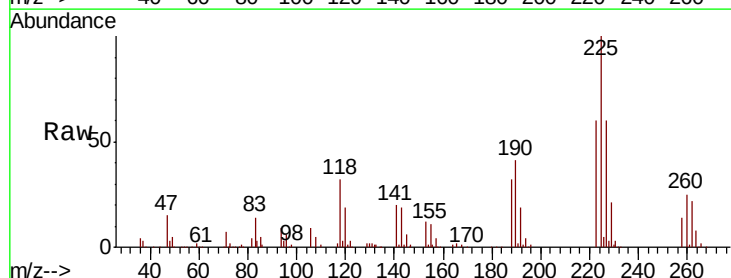
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

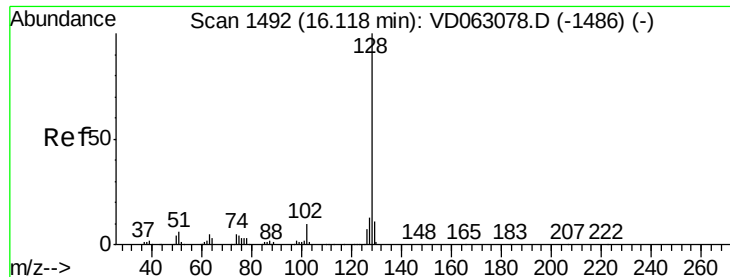
Tot Ion:180 Resp: 643530
 Ion Ratio Lower Upper
 180 100
 182 98.6 49.5 148.3
 145 30.6 12.8 38.4



#94
 Hexachlorobutadiene
 Concen: 48.052 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063146.D
 Acq: 19 Jul 2019 11:20

Tgt Ion:225 Resp: 472025
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.4 94.2
 227 59.8 32.6 97.8

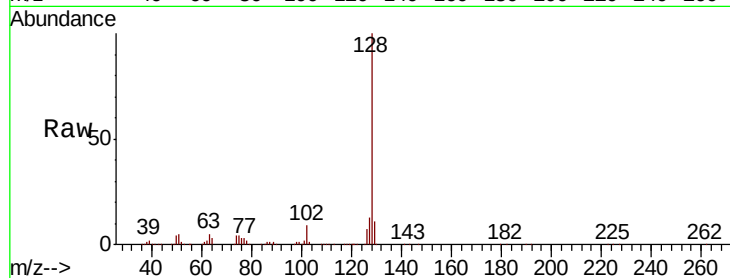




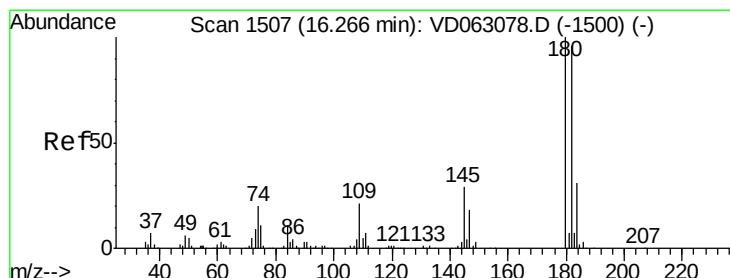
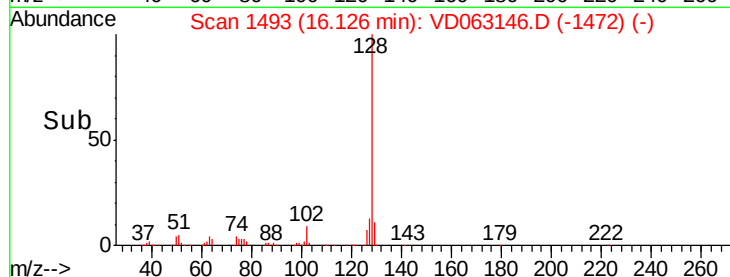
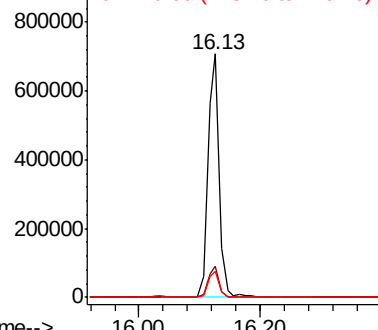
#95
Naphthalene
Concen: 46.616 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 908752
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 10.6 8.7 13.1

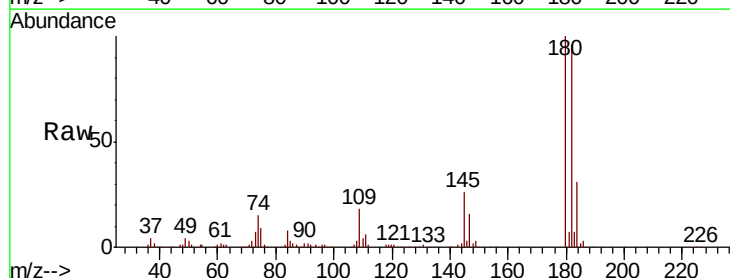


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.975 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD063146.D
Acq: 19 Jul 2019 11:20

Tgt Ion:180 Resp: 514334
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.6
145 26.1 14.4 43.4



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

