

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\
 Data File : VD063626.D
 Acq On : 16 Aug 2019 9:39
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 17 05:57:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1107700	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1462392	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1199475	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	664914	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	631142	53.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	6.92	113	675945	54.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.76%	
50) Toluene-d8	10.40	98	1429144	52.78	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	13.55	95	585961	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	651840	48.640	ug/l	99
3) Chloromethane	1.74	50	481468	45.983	ug/l	100
4) Vinyl Chloride	1.85	62	507438	48.819	ug/l	97
5) Bromomethane	2.14	94	261073	53.231	ug/l	97
6) Chloroethane	2.26	64	243327	51.192	ug/l	96
7) Trichlorofluoromethane	2.53	101	1085044	53.219	ug/l	99
8) Diethyl Ether	2.87	74	134630	46.769	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	595756	49.486	ug/l	95
10) Methyl Iodide	3.29	142	830445	48.753	ug/l	98
11) Tert butyl alcohol	4.06	59	131355	254.841	ug/l	97
12) 1,1-Dichloroethene	3.12	96	435594	48.666	ug/l	93
13) Acrolein	3.03	56	109330	215.491	ug/l	93
14) Allyl chloride	3.61	41	668341	49.671	ug/l	95
15) Acrylonitrile	4.19	53	320102	234.460	ug/l	95
16) Acetone	3.22	43	706255	293.425	ug/l	94
17) Carbon Disulfide	3.36	76	1307129	46.272	ug/l	98
18) Methyl Acetate	3.64	43	205082	44.983	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	962117	53.748	ug/l	98
20) Methylene Chloride	3.81	84	452056	43.434	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	483474	51.330	ug/l	95
22) Diisopropyl ether	5.11	45	1379492	49.683	ug/l	93
23) Vinyl Acetate	5.05	43	4188434	259.479	ug/l	99
24) 1,1-Dichloroethane	4.97	63	884846	51.381	ug/l	97
25) 2-Butanone	6.06	43	644210	270.999	ug/l	94
26) 2,2-Dichloropropane	6.01	77	966117	56.324	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	536897	52.100	ug/l	97
28) Bromochloromethane	6.43	49	338065	48.437	ug/l	97
29) Tetrahydrofuran	6.45	42	265702	239.868	ug/l	99
30) Chloroform	6.65	83	1054921	49.283	ug/l	98
31) Cyclohexane	6.94	56	535145	50.056	ug/l	100
32) 1,1,1-Trichloroethane	6.87	97	1064960	52.010	ug/l	97
36) 1,1-Dichloropropene	7.13	75	722290	55.871	ug/l	94
37) Ethyl Acetate	6.18	43	287701	53.109	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1152375	59.145	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	595852	54.203	ug/l	99
40) Benzene	7.45	78	1577308	55.442	ug/l	97
41) Methacrylonitrile	6.43	41	353655	51.849	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	753640	52.683	ug/l	100
43) Isopropyl Acetate	9.24	43	392161	54.051	ug/l	92
44) Trichloroethene	8.53	130	596033	54.812	ug/l	98
45) 1,2-Dichloropropane	8.94	63	359708	54.294	ug/l	99
46) Dibromomethane	9.05	93	299172	52.877	ug/l	93
47) Bromodichloromethane	9.37	83	817418	56.324	ug/l	96
48) Methyl methacrylate	9.11	41	257899	52.414	ug/l	98
49) 1,4-Dioxane	9.07	88	46348	1053.482	ug/l #	91
51) 4-Methyl-2-Pentanone	10.29	43	1365422	275.030	ug/l	98
52) Toluene	10.50	92	966531	52.746	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	669327	56.512	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	754298	56.481	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	307563	49.688	ug/l	97
56) Ethyl methacrylate	11.04	69	349366	52.001	ug/l	98
57) 1,3-Dichloropropane	11.41	76	504868	53.959	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	1000150	281.979	ug/l	99
59) 2-Hexanone	11.52	43	1063380	294.370	ug/l	99
60) Dibromochloromethane	11.68	129	609341	54.099	ug/l	97
61) 1,2-Dibromoethane	11.80	107	394096	52.593	ug/l	100
64) Tetrachloroethene	11.25	164	531699	57.421	ug/l	93
65) Chlorobenzene	12.39	112	1194205	53.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	564623	57.068	ug/l	92
67) Ethyl Benzene	12.52	91	2093223	53.550	ug/l	98
68) m/p-Xylenes	12.67	106	1469492	107.003	ug/l	100
69) o-Xylene	13.05	106	702268	53.131	ug/l	90
70) Styrene	13.07	104	1269154	53.980	ug/l	98
71) Bromoform	13.23	173	394261	58.115	ug/l	97
73) Isopropylbenzene	13.39	105	2214729	52.367	ug/l	98
74) N-amyl acetate	13.27	43	556387	52.407	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	376190	53.590	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	427186	55.980	ug/l	97
77) Bromobenzene	13.67	156	612910	53.026	ug/l	85
78) n-propylbenzene	13.77	91	2586810	52.276	ug/l	96
79) 2-Chlorotoluene	13.84	91	1501073	52.612	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1829370	49.506	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	108305	52.806	ug/l	98
82) 4-Chlorotoluene	13.95	91	1712367	49.911	ug/l	93
83) tert-Butylbenzene	14.18	119	1991487	51.179	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1700591	49.738	ug/l	93
85) sec-Butylbenzene	14.36	105	2261779	54.733	ug/l	99
86) p-Isopropyltoluene	14.49	119	2068349	52.348	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1056935	50.554	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	1040028	51.849	ug/l	96
89) n-Butylbenzene	14.79	91	1949837	54.070	ug/l	97
90) Hexachloroethane	15.01	117	563462	56.737	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	908773	51.232	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	71667	54.221	ug/l	71

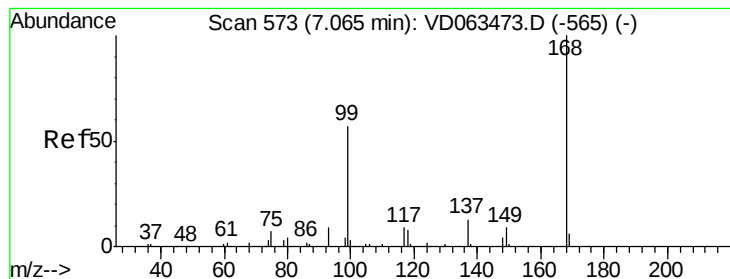
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	740738	56.751	ug/l	95
94) Hexachlorobutadiene	16.03	225	563450	56.641	ug/l	98
95) Naphthalene	16.12	128	1019270	51.528	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	579706	54.989	ug/l	97

(#) = 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. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

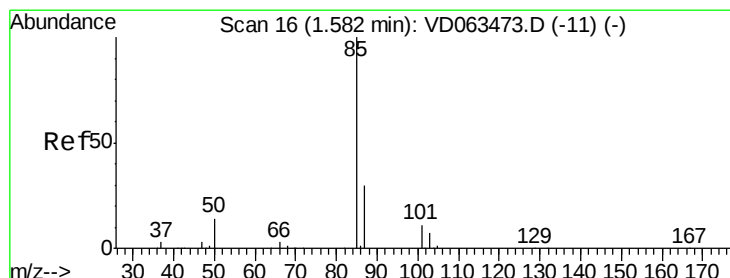
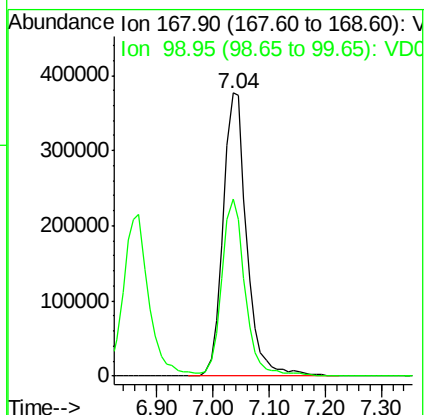
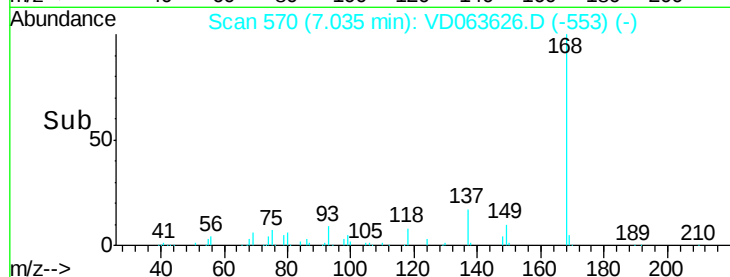
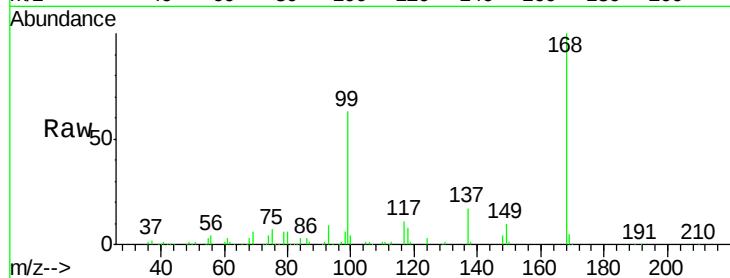
VSTDCCC050

Tot Ion:168 Resp: 1107700

Ion Ratio Lower Upper

168 100

99 62.6 46.7 70.1



#2

Dichlorodifluoromethane

Concen: 48.640 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063626.D

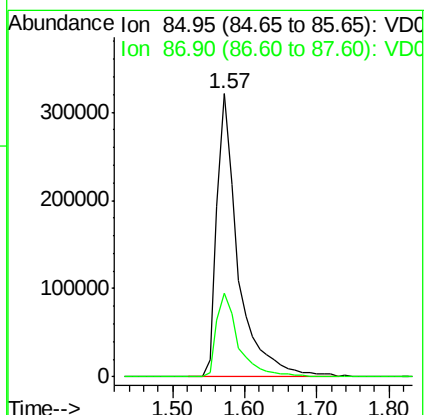
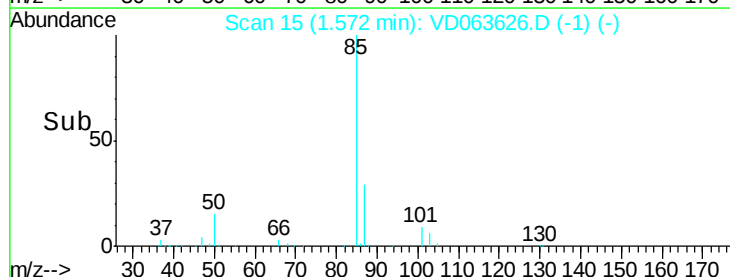
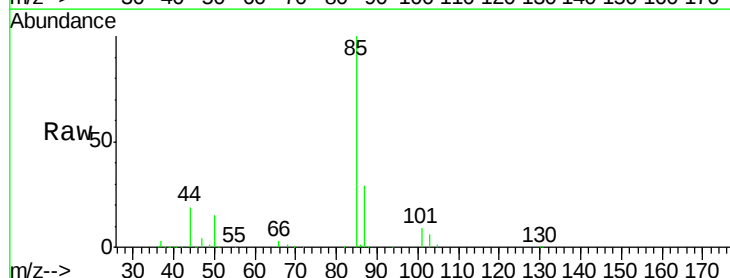
Acq: 16 Aug 2019 9:39

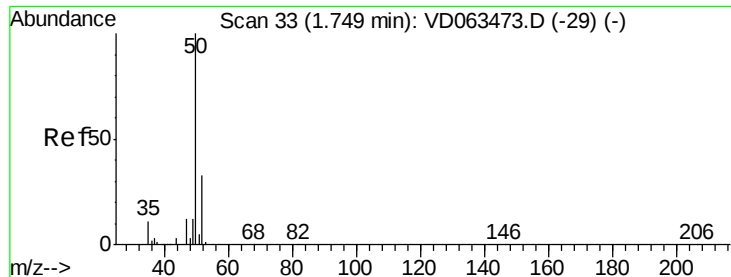
Tgt Ion: 85 Resp: 651840

Ion Ratio Lower Upper

85 100

87 29.4 15.0 45.0





#3

Chloromethane

Concen: 45.983 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

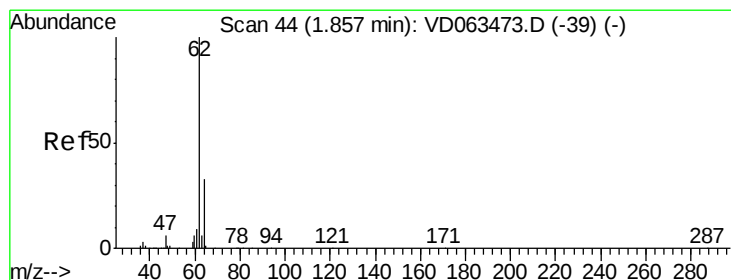
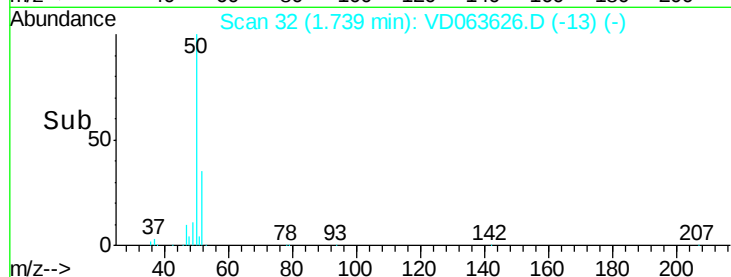
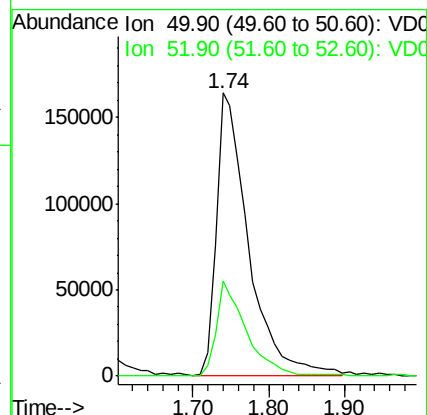
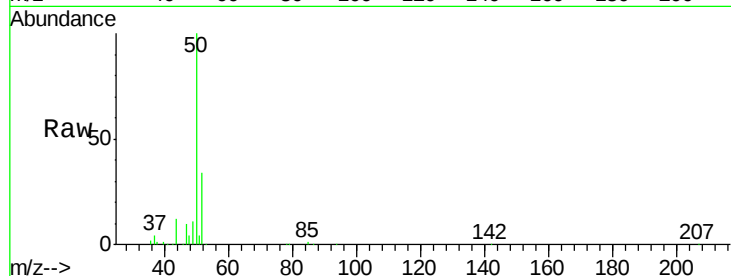
VSTDCCC050

Tot Ion: 50 Resp: 481468

Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0



#4

Vinyl Chloride

Concen: 48.819 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063626.D

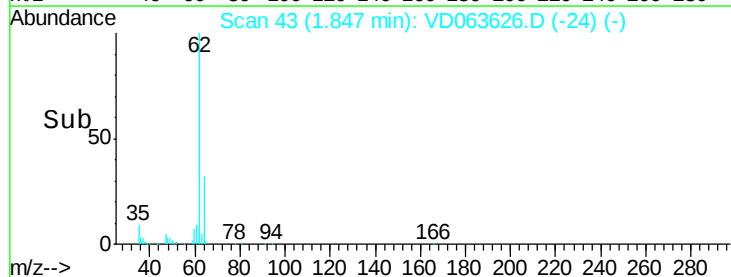
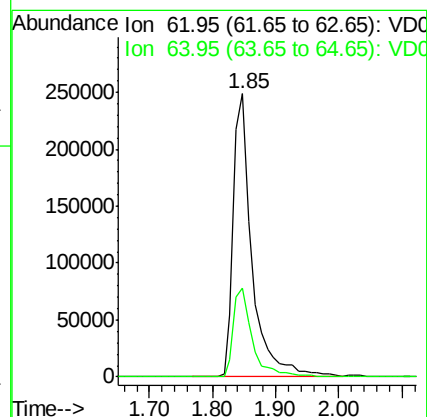
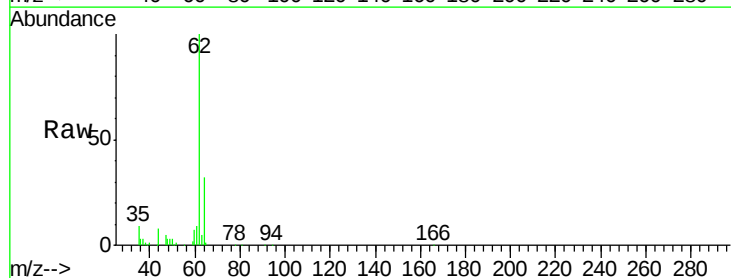
Acq: 16 Aug 2019 9:39

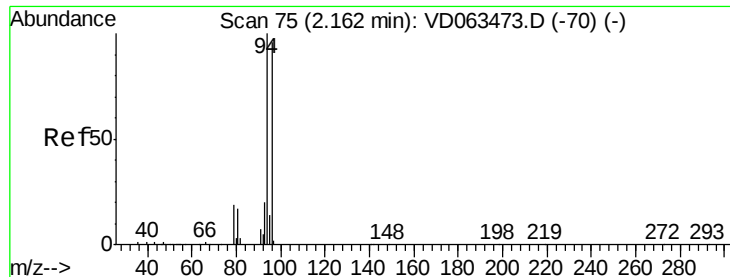
Tgt Ion: 62 Resp: 507438

Ion Ratio Lower Upper

62 100

64 31.5 26.4 39.6





#5

Bromomethane

Concen: 53.231 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

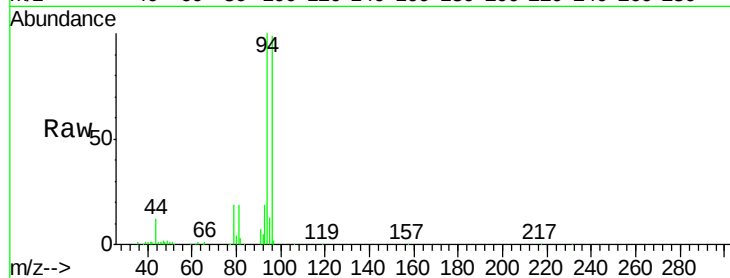
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 261073

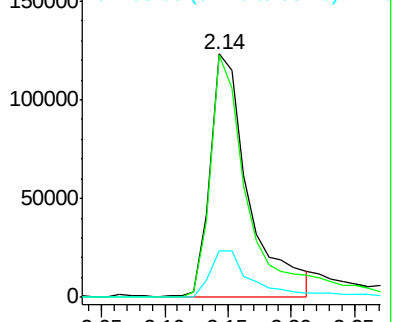
Ion	Ratio	Lower	Upper
94	100		
96	99.4	76.5	114.7
93	19.1	15.8	23.8



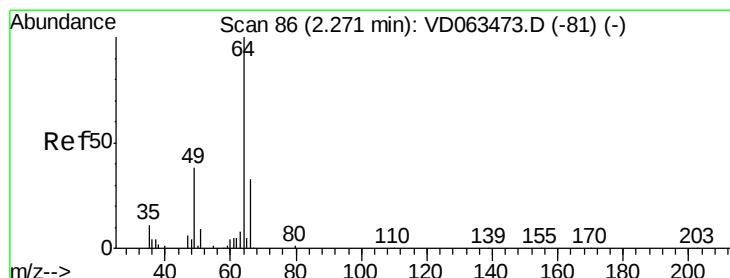
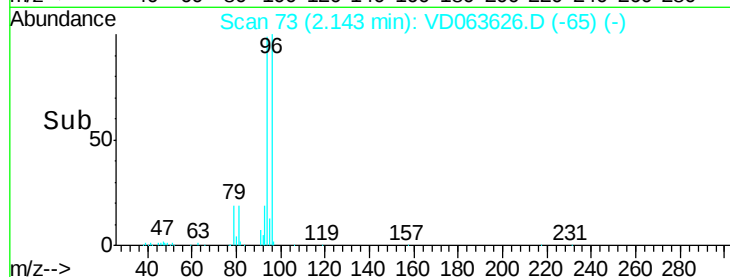
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



Time-->



#6

Chloroethane

Concen: 51.192 ug/l

RT: 2.26 min Scan# 85

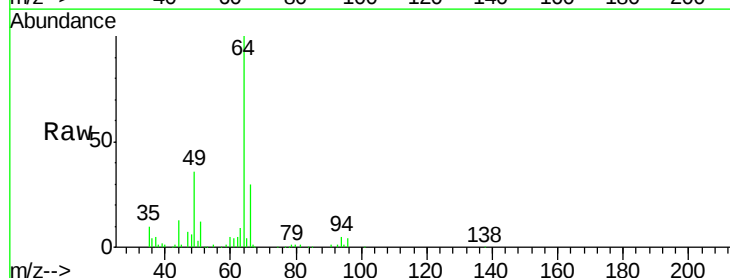
Delta R.T. -0.01 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

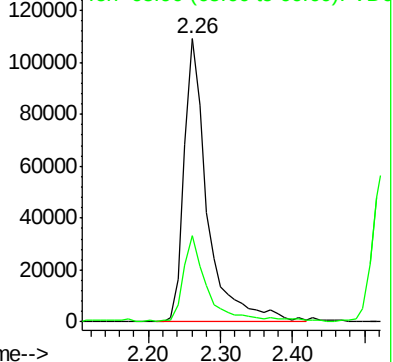
Tgt Ion: 64 Resp: 243327

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.3	39.5

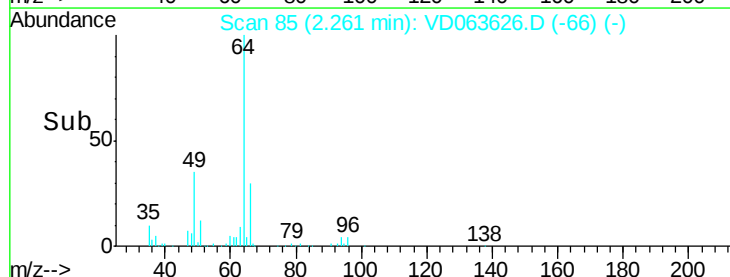


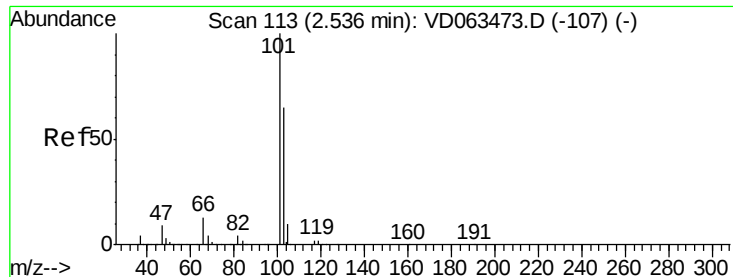
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



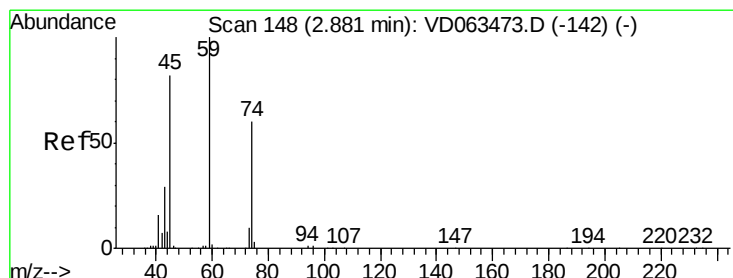
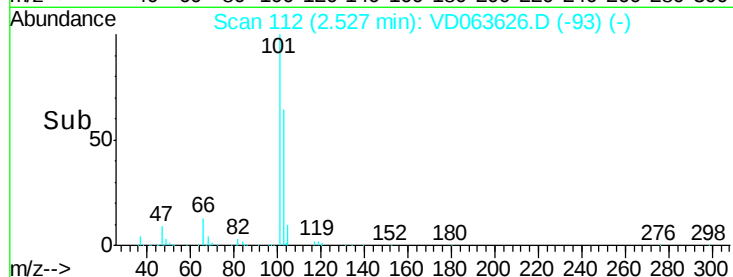
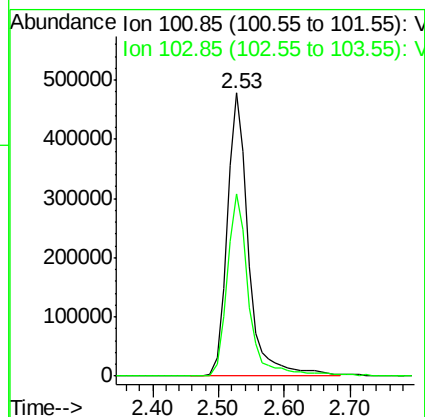
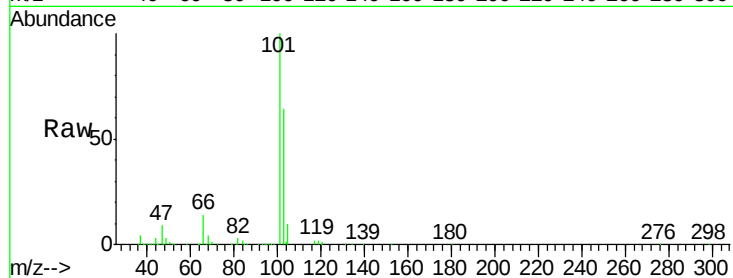


#7

Trichlorofluoromethane
Concen: 53.219 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

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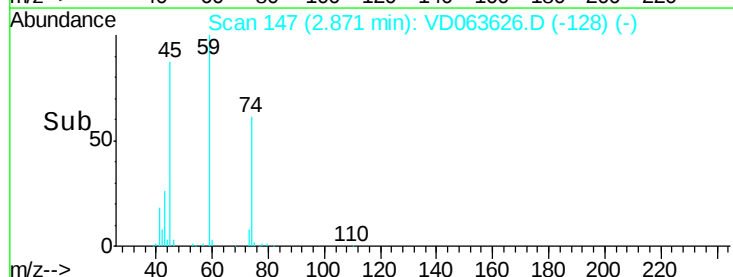
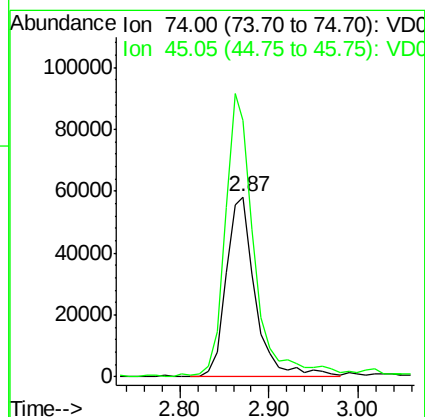
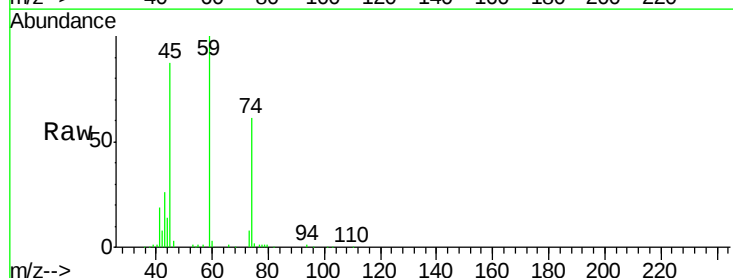
Tot Ion:101 Resp: 1085044
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.4

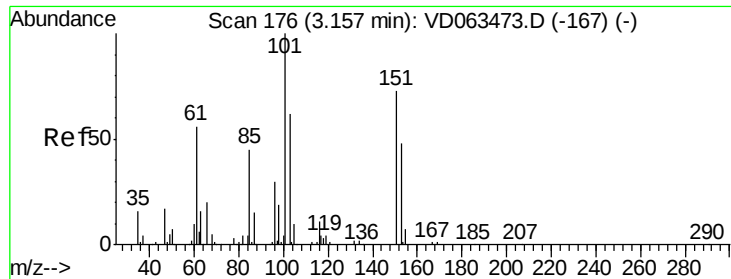


#8

Diethyl Ether
Concen: 46.769 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion: 74 Resp: 134630
Ion Ratio Lower Upper
74 100
45 142.5 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.486 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

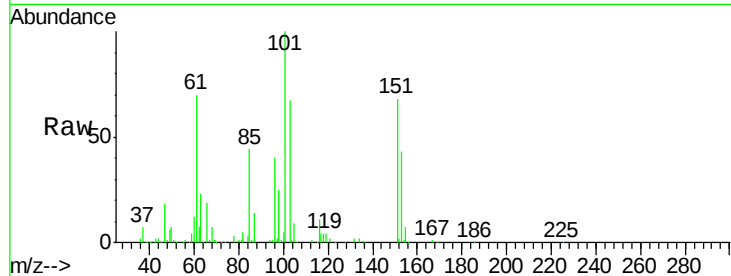
Tot Ion:101 Resp: 595756

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

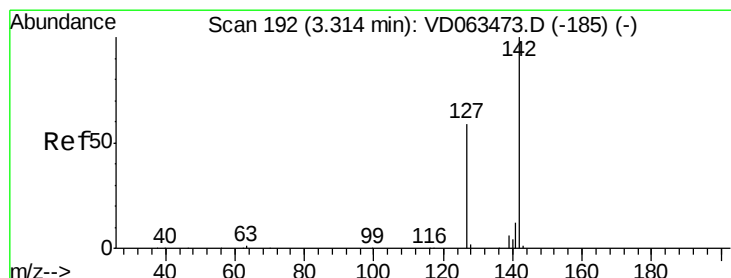
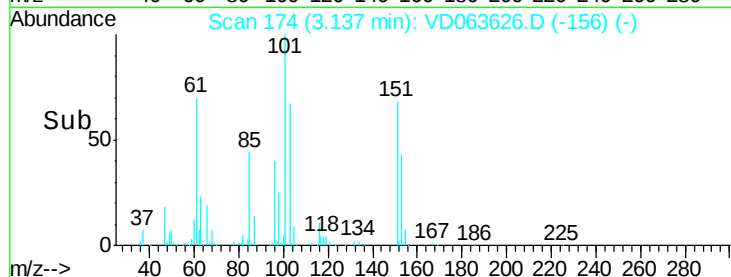
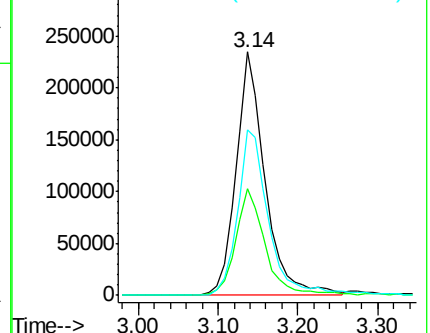
151 68.1 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.753 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

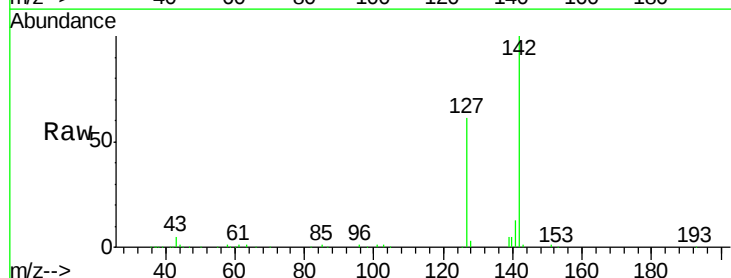
Tgt Ion:142 Resp: 830445

Ion Ratio Lower Upper

142 100

127 60.7 47.2 70.8

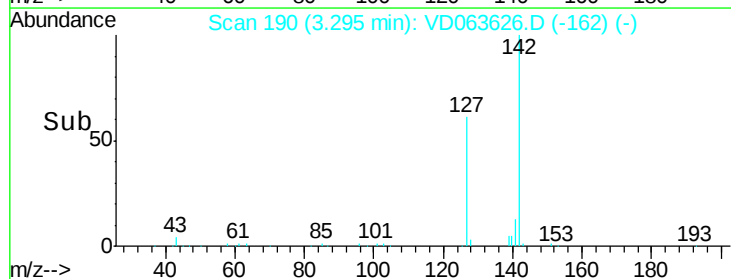
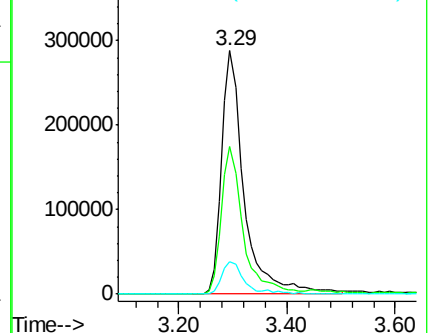
141 13.3 9.8 14.8

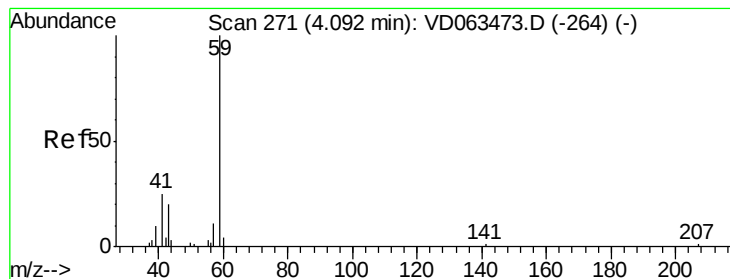


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 254.841 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

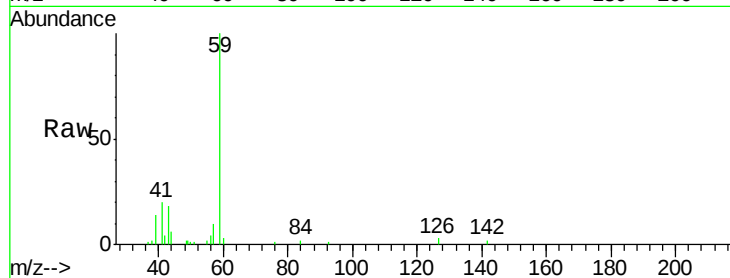
VSTDCCC050

Tot Ion: 59 Resp: 131355

Ion Ratio Lower Upper

59 100

57 9.6 8.7 13.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

60000

50000

40000

30000

20000

10000

0

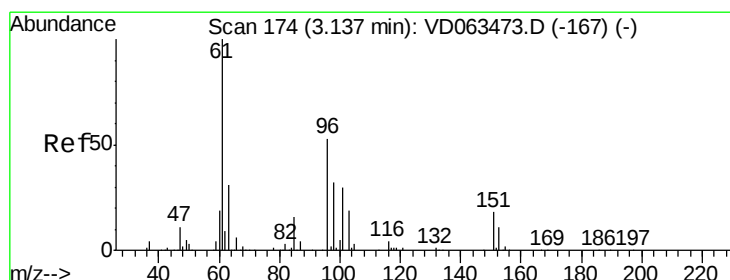
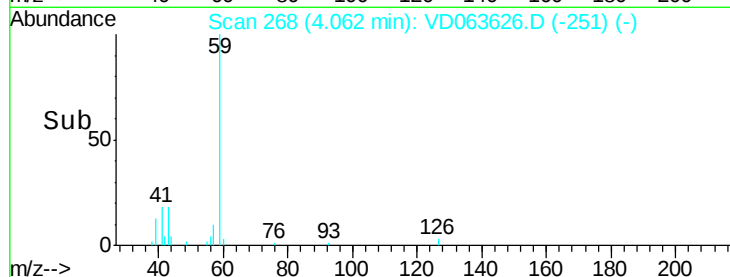
4.06

4.00

4.10

4.20

Time-->



#12

1,1-Dichloroethene

Concen: 48.666 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

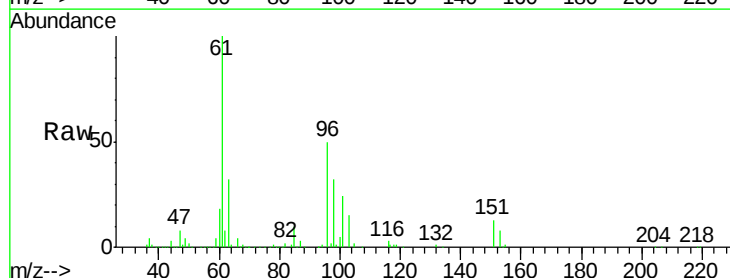
Tgt Ion: 96 Resp: 435594

Ion Ratio Lower Upper

96 100

61 199.9 151.7 227.5

98 64.2 48.4 72.6



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

400000

300000

200000

100000

0

3.12

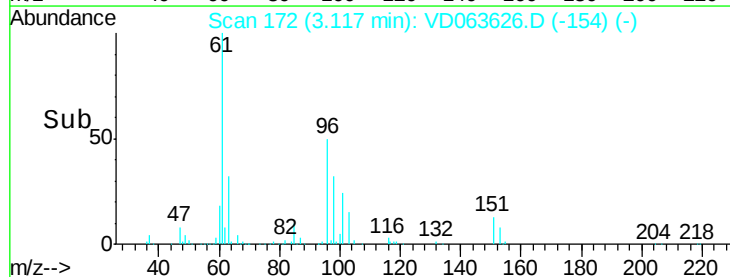
3.00

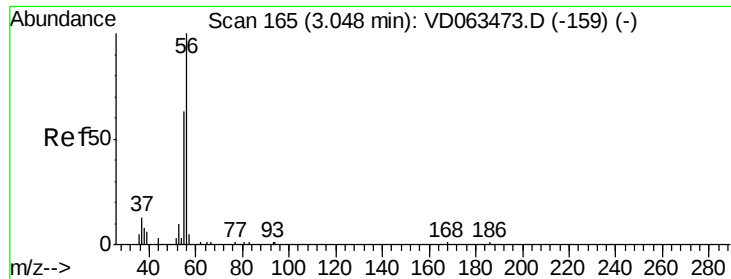
3.10

3.20

3.30

Time-->





#13

Acrolein

Concen: 215.491 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

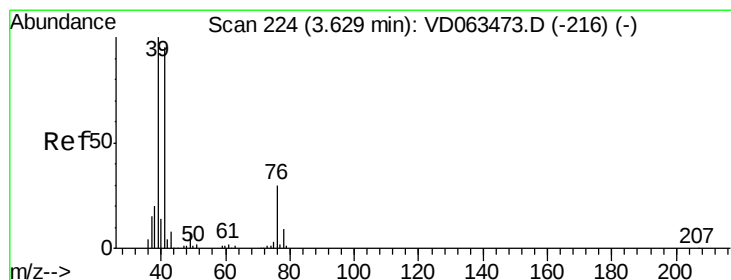
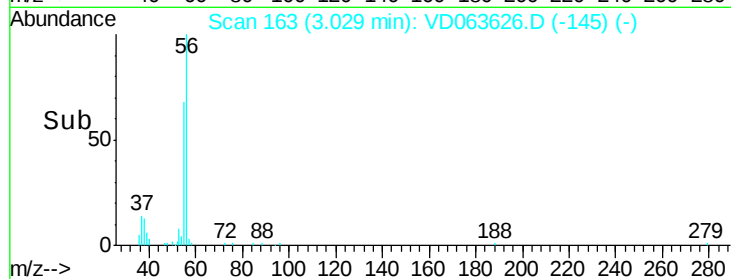
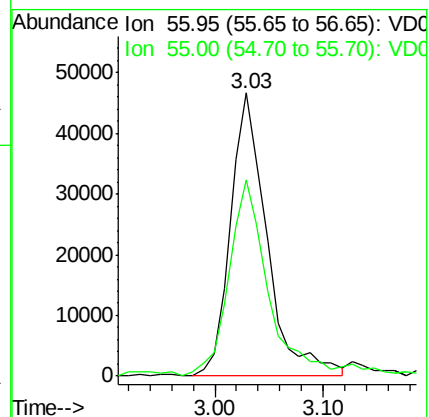
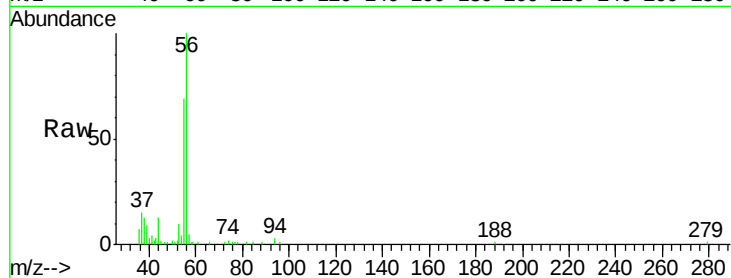
VSTDCCC050

Tot Ion: 56 Resp: 109330

Ion Ratio Lower Upper

56 100

55 69.4 51.3 76.9



#14

Allyl chloride

Concen: 49.671 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

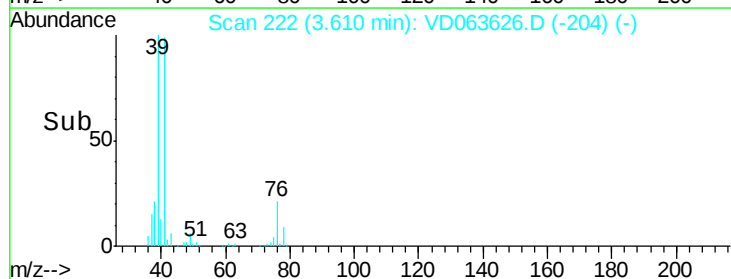
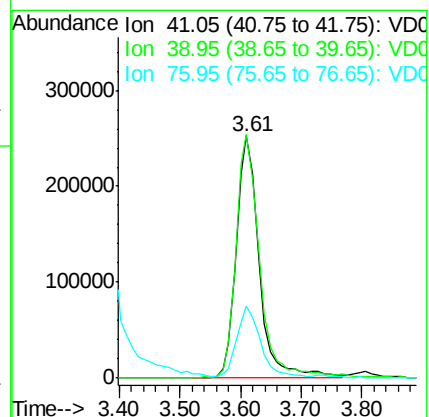
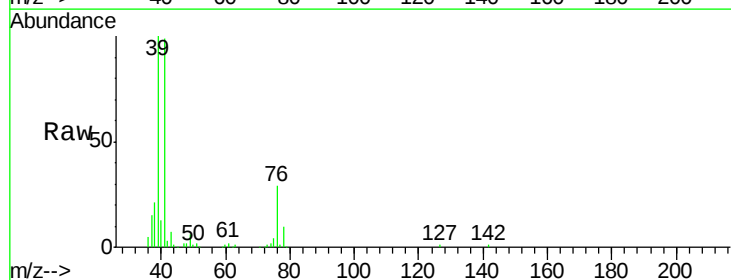
Tgt Ion: 41 Resp: 668341

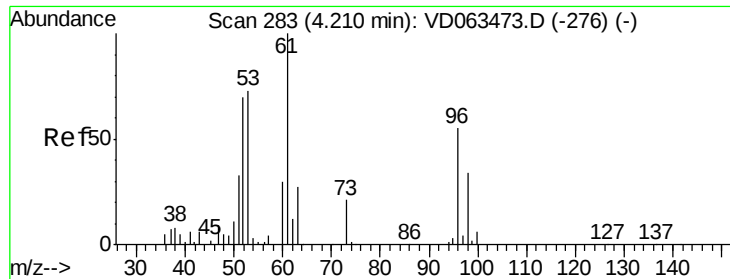
Ion Ratio Lower Upper

41 100

39 100.7 84.2 126.4

76 29.6 26.0 39.0

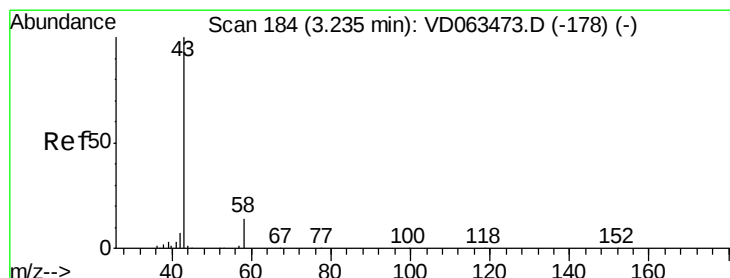
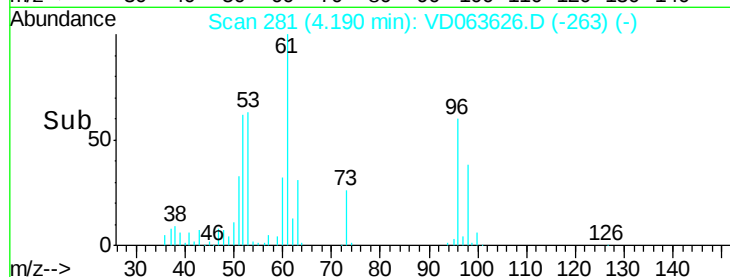
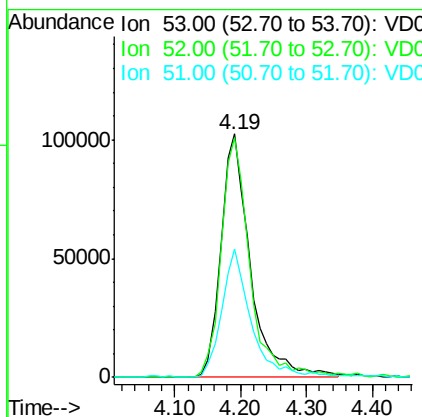
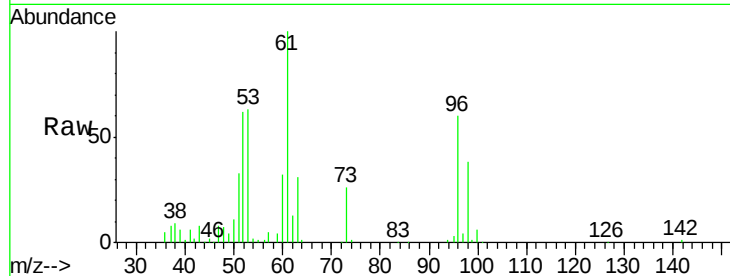




#15
 Acrylonitrile
 Concen: 234.460 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

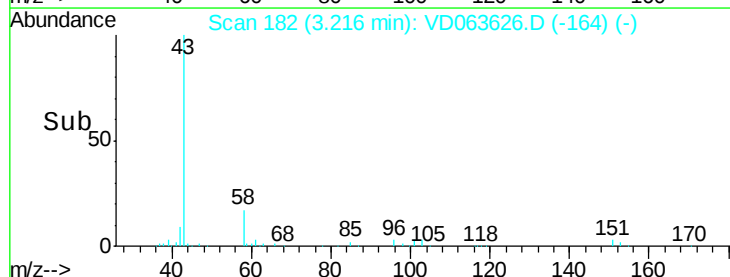
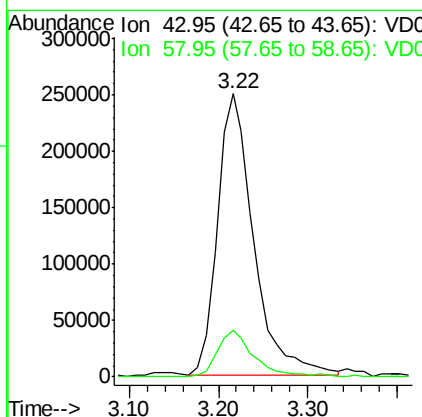
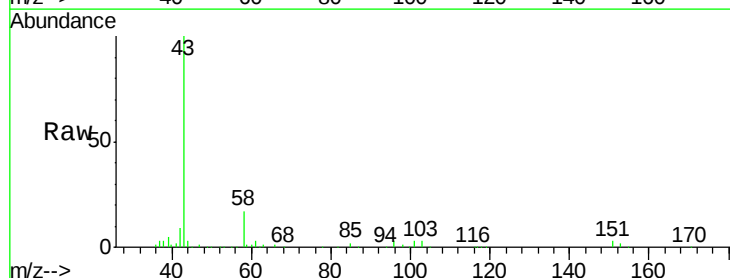
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

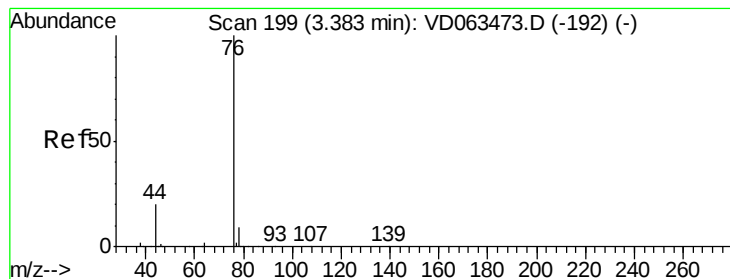
Tot Ion: 53 Resp: 320102
 Ion Ratio Lower Upper
 53 100
 52 98.5 77.4 116.0
 51 52.9 36.7 55.1



#16
 Acetone
 Concen: 293.425 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Tgt Ion: 43 Resp: 706255
 Ion Ratio Lower Upper
 43 100
 58 16.6 11.4 17.2





#17

Carbon Disulfide

Concen: 46.272 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

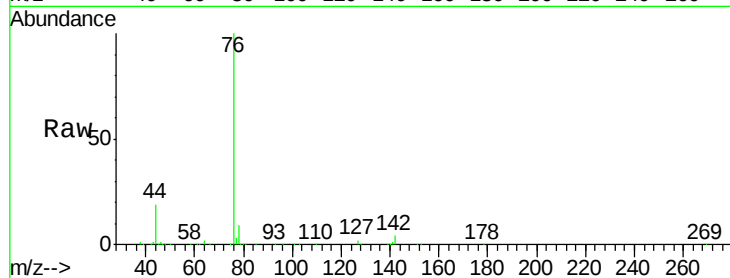
VSTDCCC050

Tot Ion: 76 Resp: 1307129

Ion Ratio Lower Upper

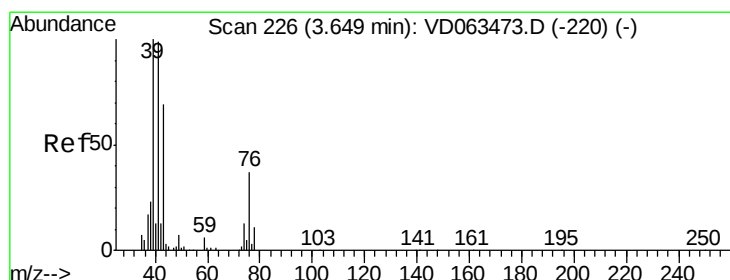
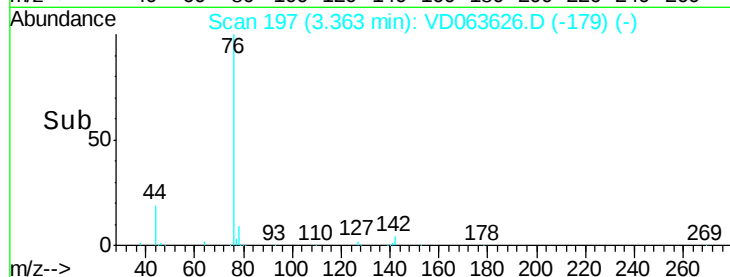
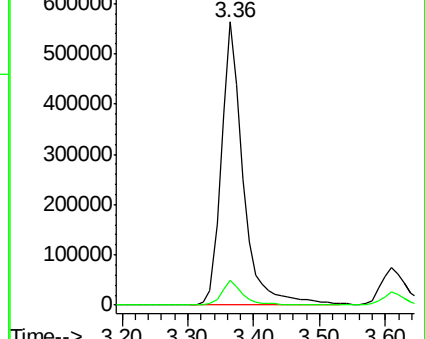
76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 44.983 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD063626.D

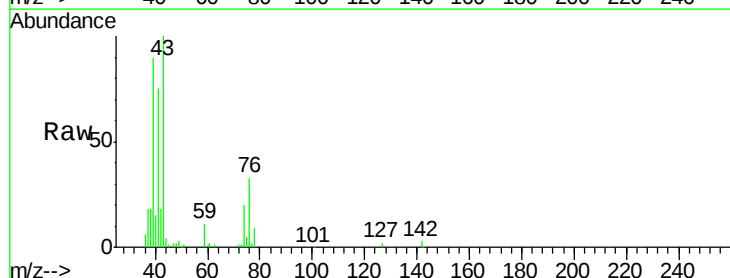
Acq: 16 Aug 2019 9:39

Tgt Ion: 43 Resp: 205082

Ion Ratio Lower Upper

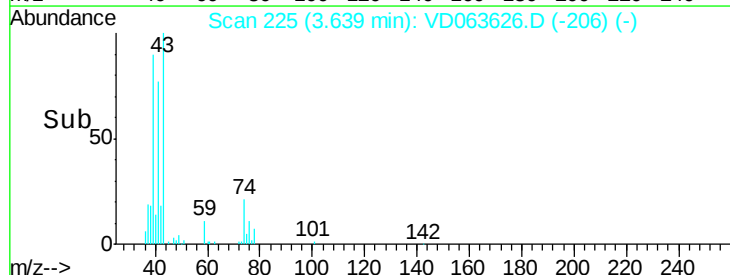
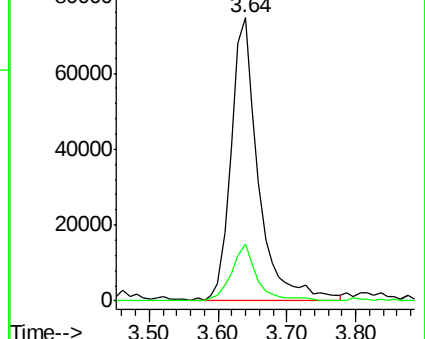
43 100

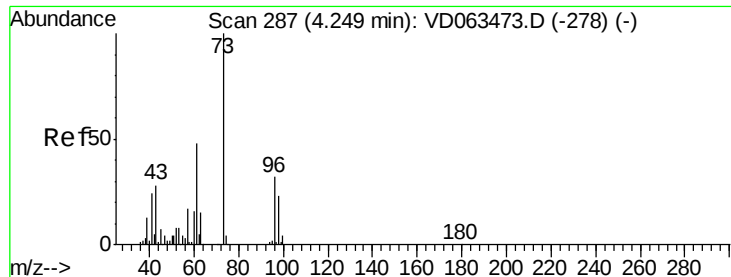
74 20.2 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

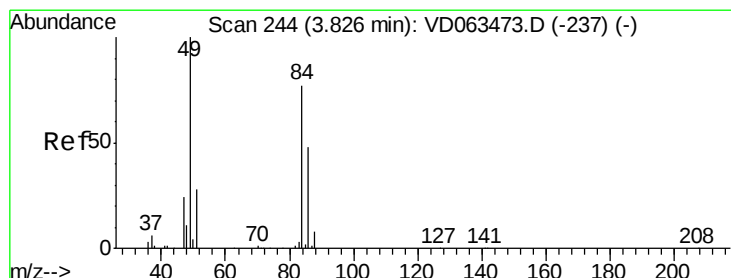
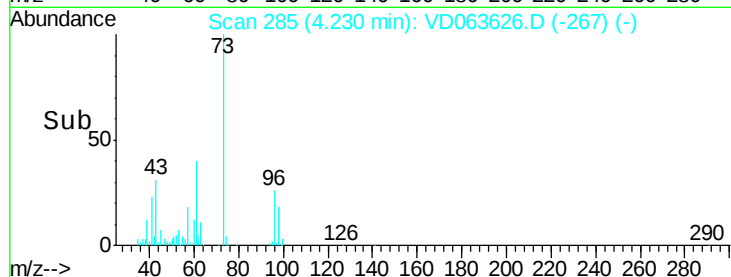
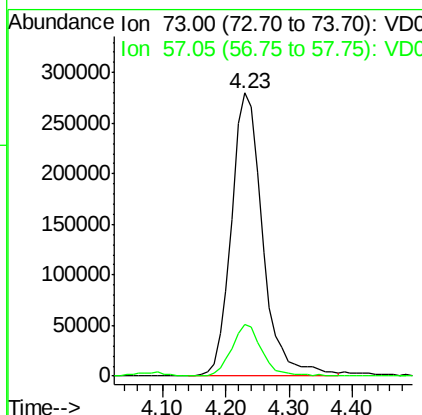
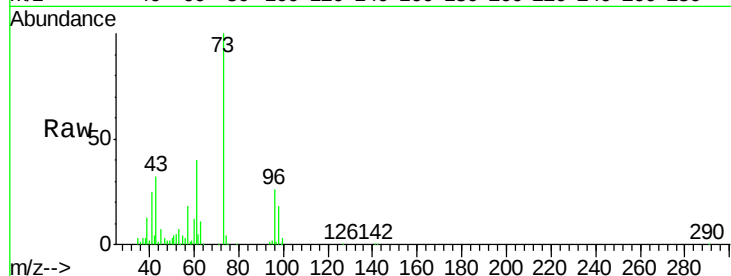




#19
Methyl tert-butyl Ether
Concen: 53.748 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

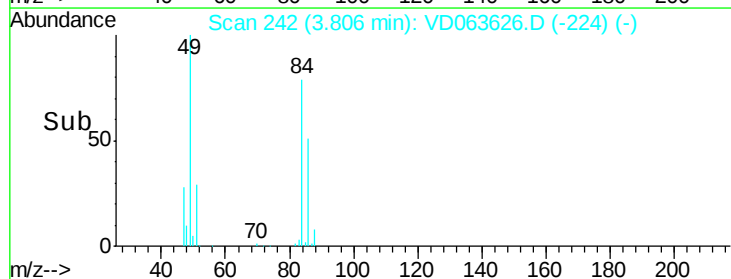
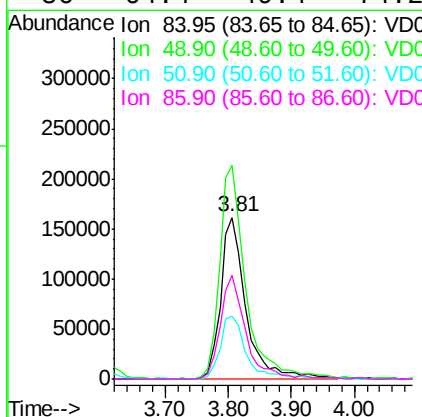
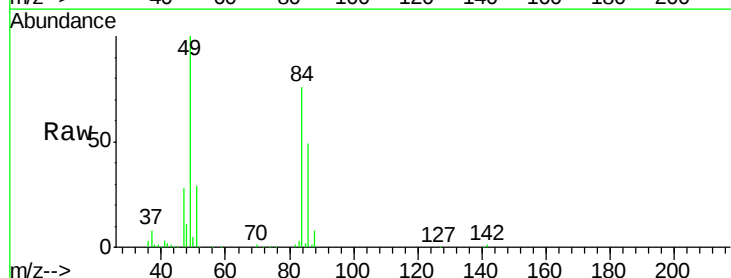
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

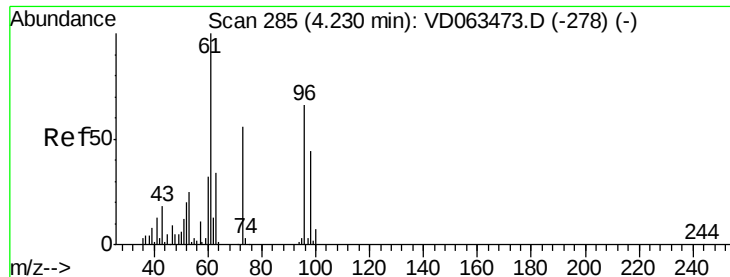
Tot Ion: 73 Resp: 962117
Ion Ratio Lower Upper
73 100
57 18.4 14.0 21.0



#20
Methylene Chloride
Concen: 43.434 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion: 84 Resp: 452056
Ion Ratio Lower Upper
84 100
49 132.1 103.4 155.2
51 38.9 28.5 42.7
86 64.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 51.330 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

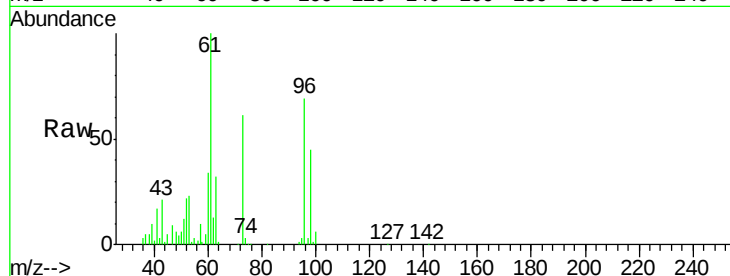
Tot Ion: 96 Resp: 483474

Ion Ratio Lower Upper

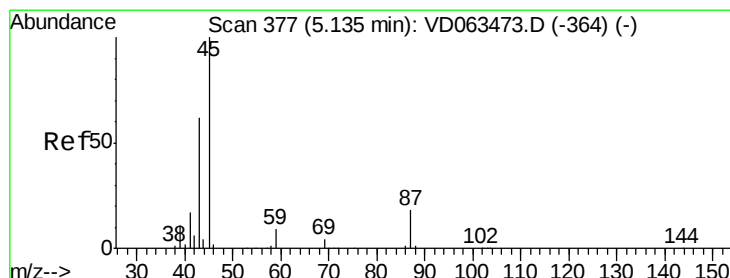
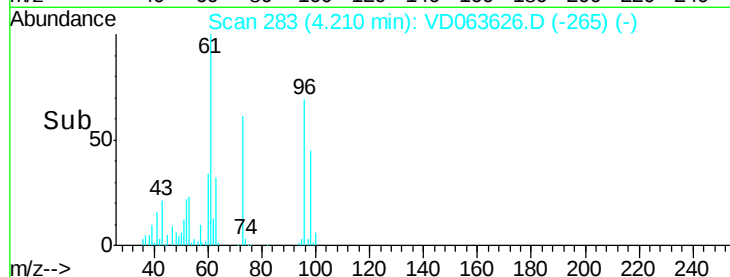
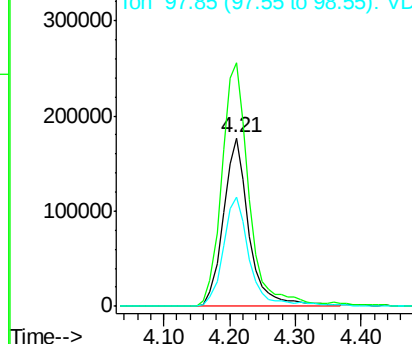
96 100

61 144.6 121.7 182.5

98 65.0 54.2 81.2



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: 49.683 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Tgt Ion: 45 Resp: 1379492

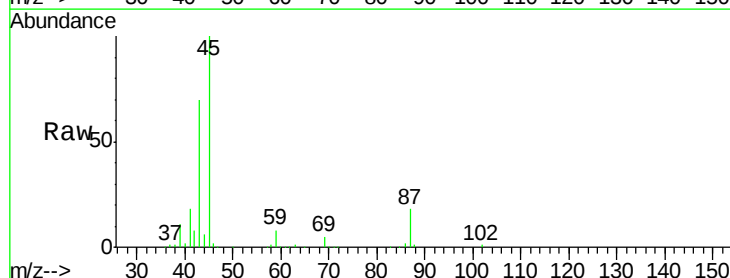
Ion Ratio Lower Upper

45 100

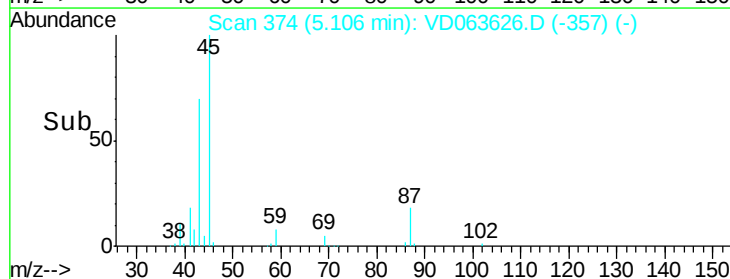
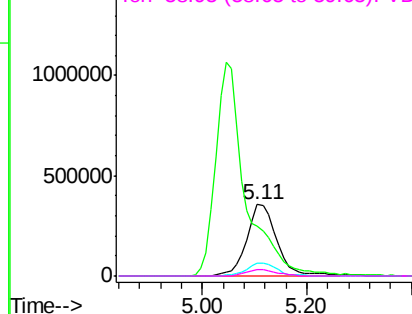
43 69.8 50.3 75.5

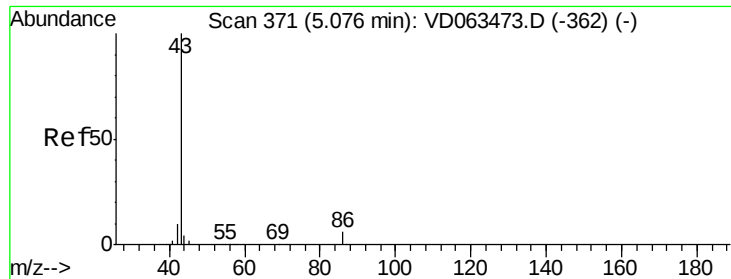
87 18.3 14.3 21.5

59 8.2 7.7 11.5



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: 259.479 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleID :

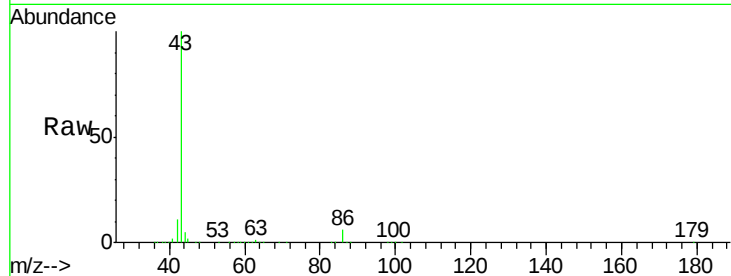
VSTDCCC050

Tot Ion: 43 Resp: 4188434

Ion Ratio Lower Upper

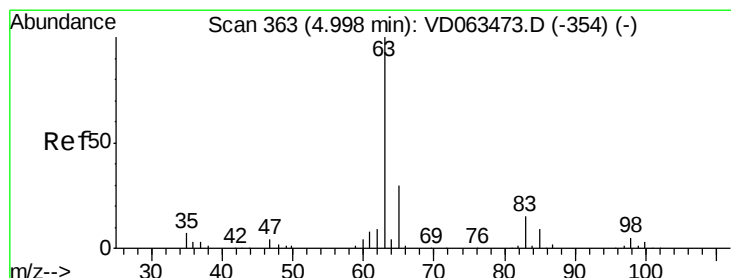
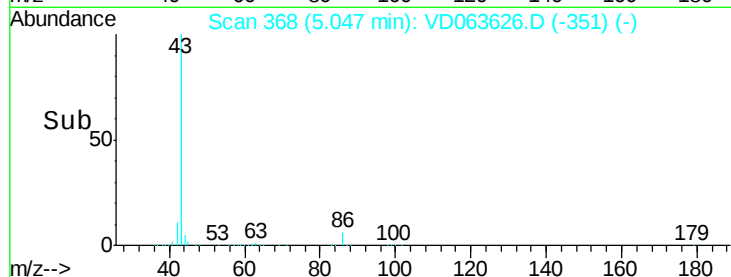
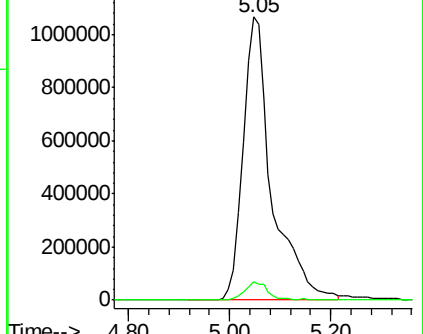
43 100

86 6.4 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.381 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

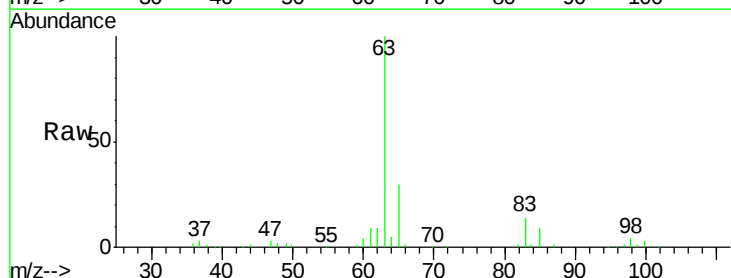
Tgt Ion: 63 Resp: 884846

Ion Ratio Lower Upper

63 100

98 3.5 2.4 7.2

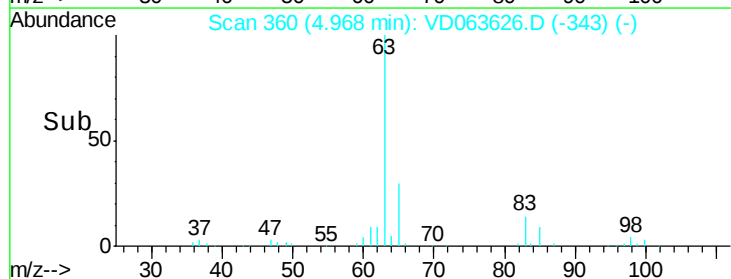
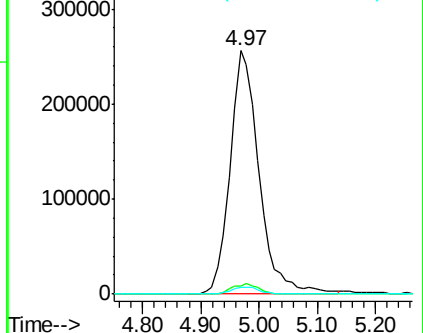
100 3.1 1.3 3.8

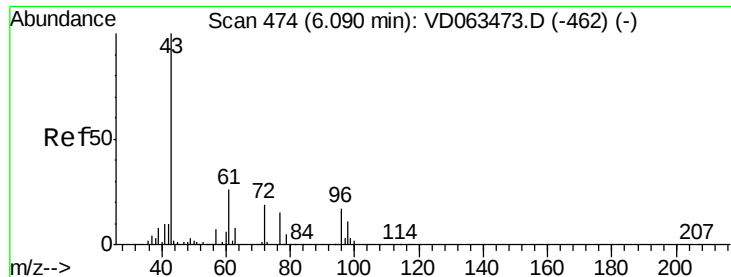


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 270.999 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

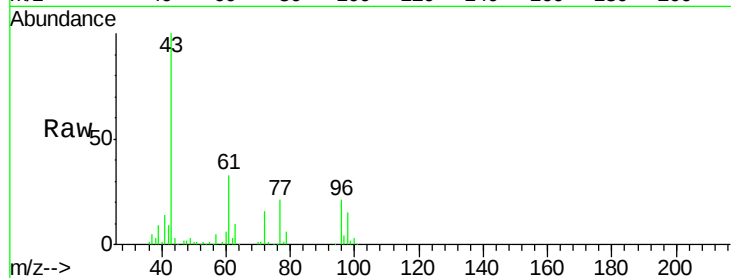
VSTDCCC050

Tot Ion: 43 Resp: 644210

Ion Ratio Lower Upper

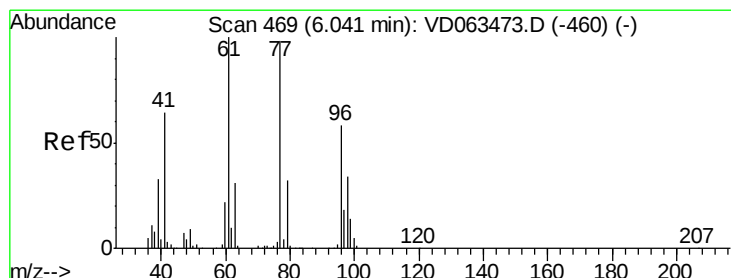
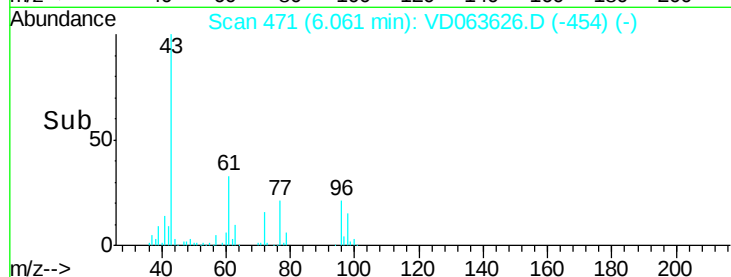
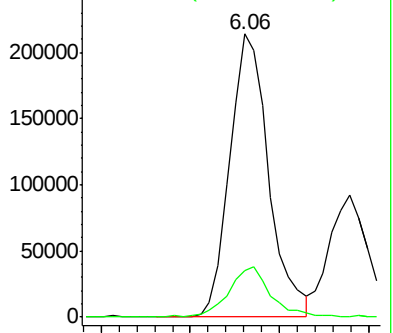
43 100

72 16.4 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 56.324 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063626.D

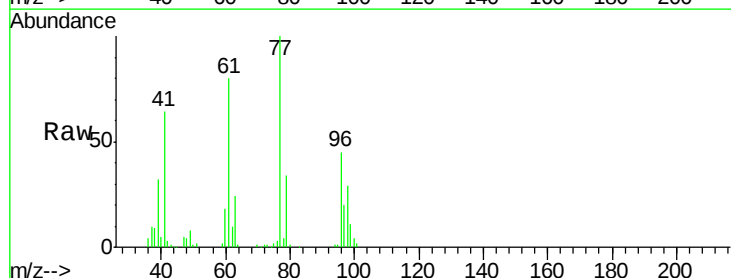
Acq: 16 Aug 2019 9:39

Tgt Ion: 77 Resp: 966117

Ion Ratio Lower Upper

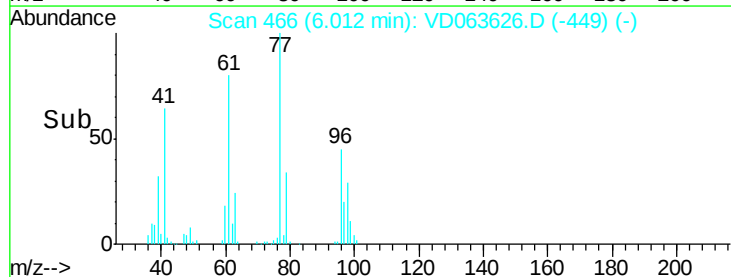
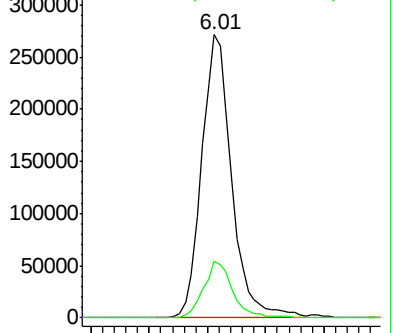
77 100

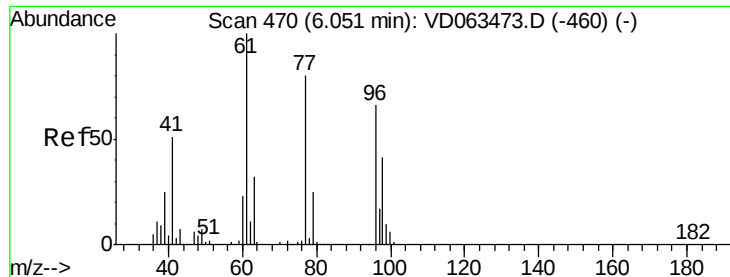
97 20.2 9.0 27.1



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: 52.100 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

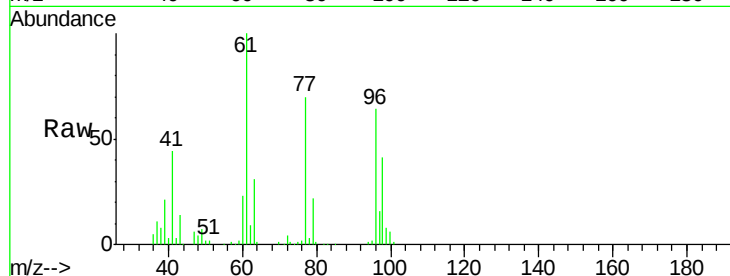
Tot Ion: 96 Resp: 536897

Ion Ratio Lower Upper

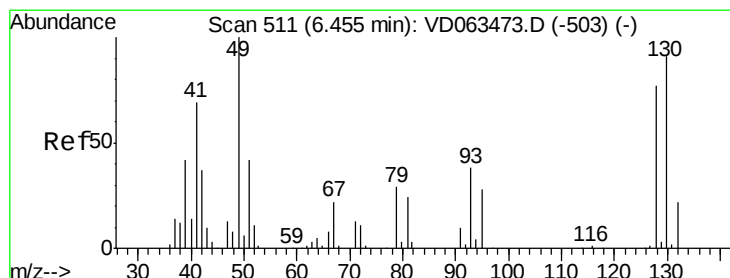
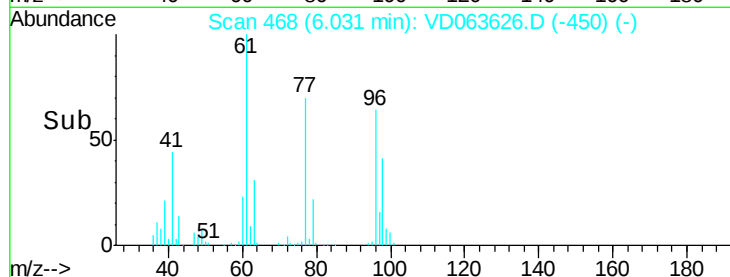
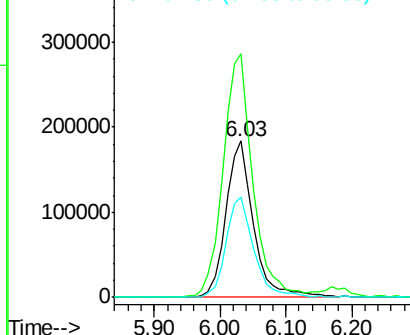
96 100

61 155.8 0.0 304.0

98 64.5 0.0 124.8



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



#28

Bromochloromethane

Concen: 48.437 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

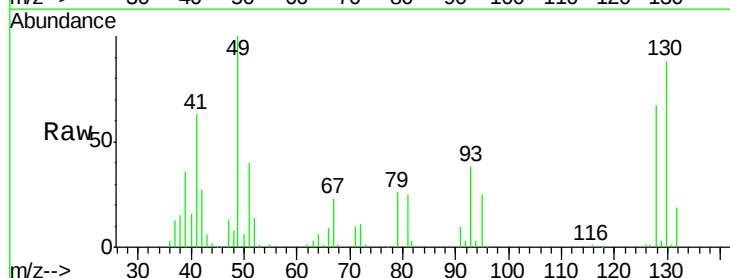
Tgt Ion: 49 Resp: 338065

Ion Ratio Lower Upper

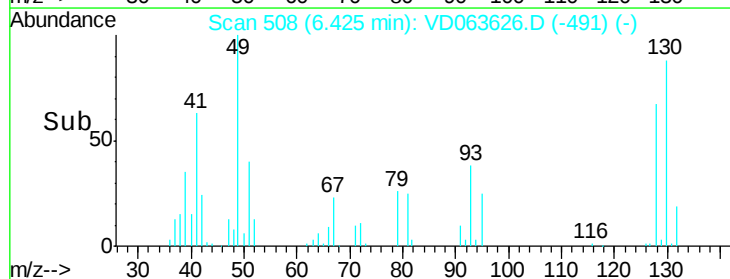
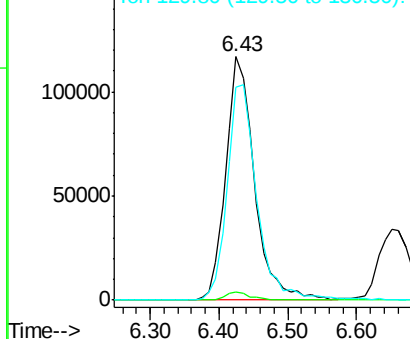
49 100

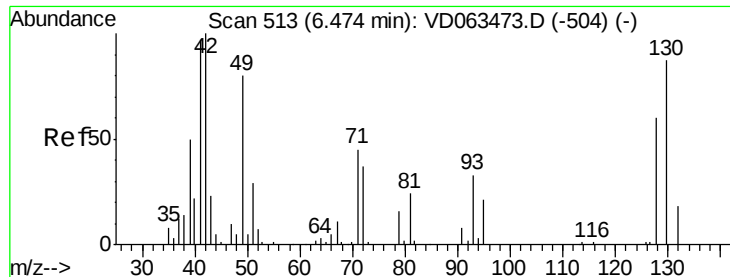
129 3.1 0.0 6.4

130 87.6 72.4 108.6



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





#29

Tetrahydrofuran

Concen: 239.868 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

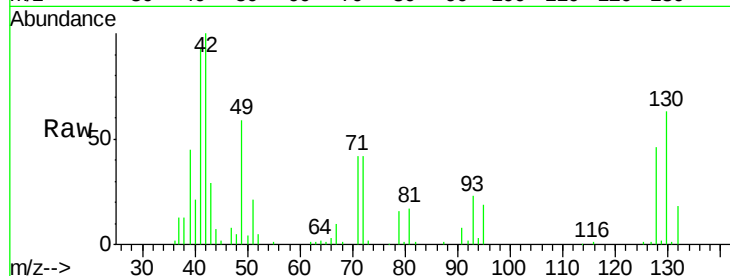
Tot Ion: 42 Resp: 265702

Ion Ratio Lower Upper

42 100

72 39.6 31.5 47.3

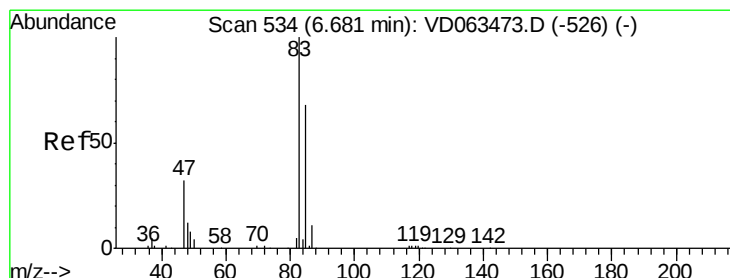
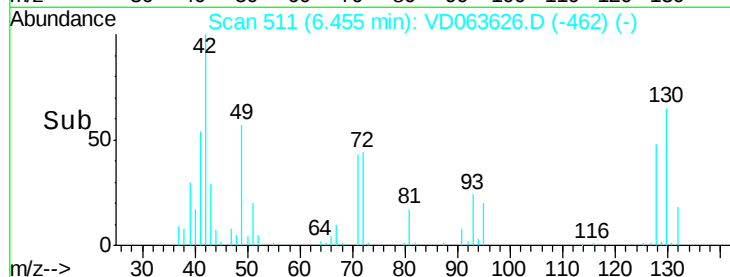
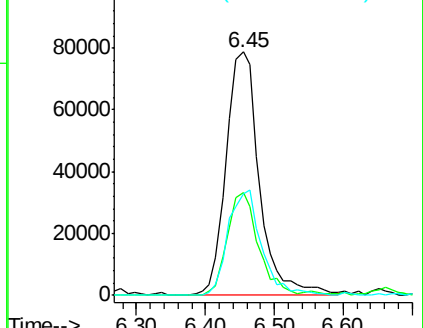
71 43.2 33.8 50.8



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: 49.283 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063626.D

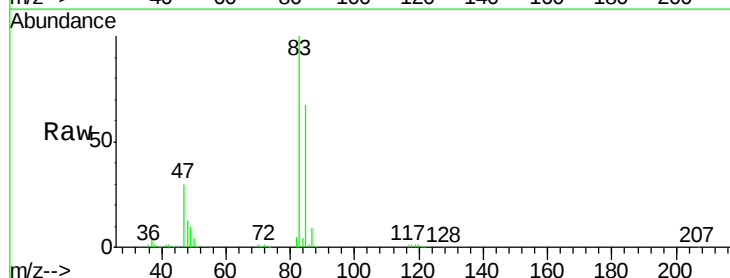
Acq: 16 Aug 2019 9:39

Tgt Ion: 83 Resp: 1054921

Ion Ratio Lower Upper

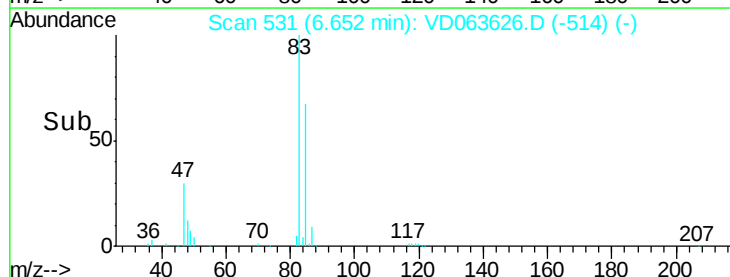
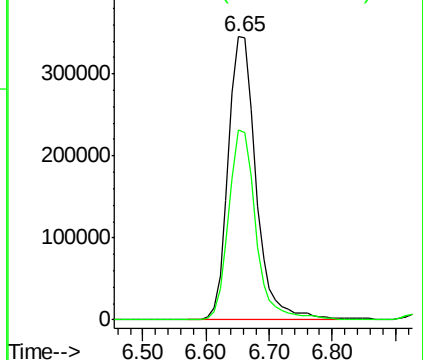
83 100

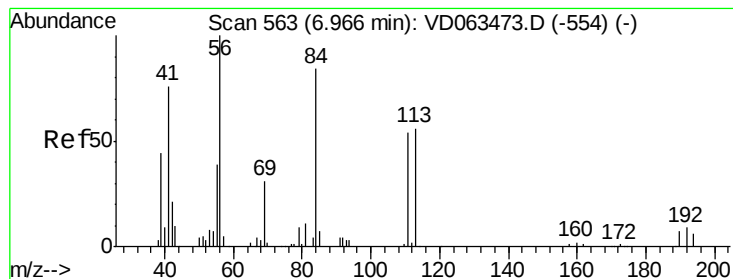
85 67.1 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 50.056 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

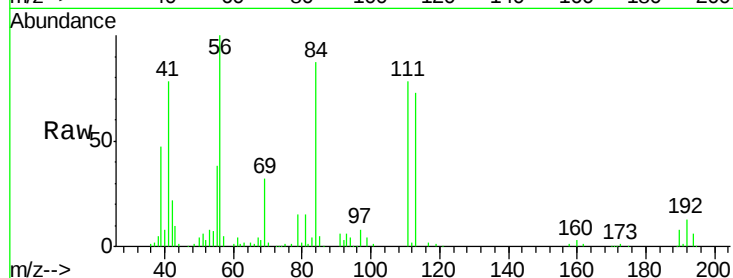
Tot Ion: 56 Resp: 535145

Ion Ratio Lower Upper

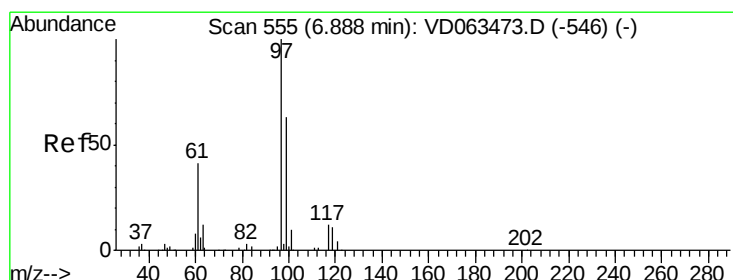
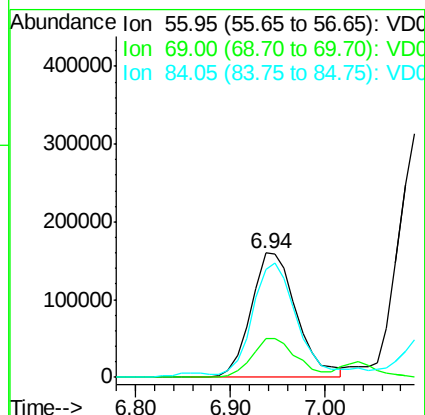
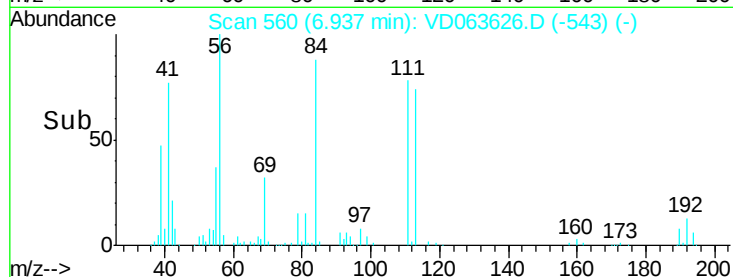
56 100

69 31.6 25.0 37.6

84 87.2 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 52.010 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

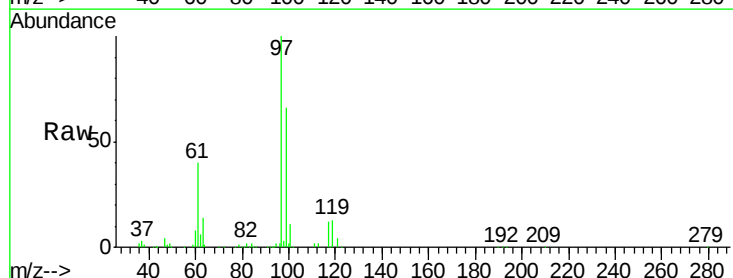
Tgt Ion: 97 Resp: 1064960

Ion Ratio Lower Upper

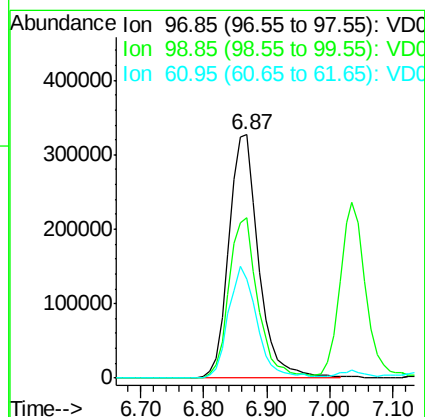
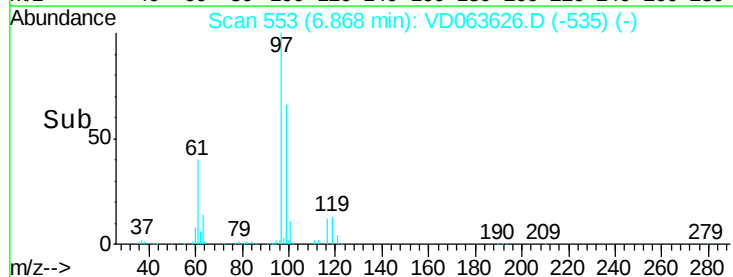
97 100

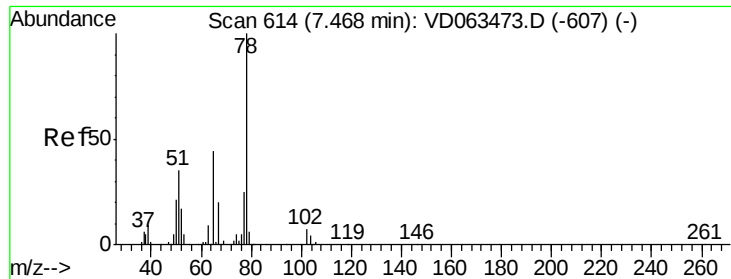
99 66.1 50.2 75.4

61 40.5 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 53.304 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

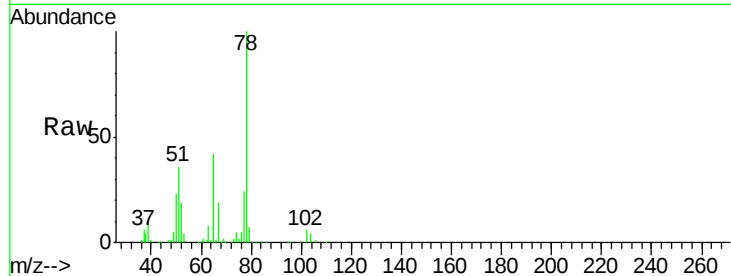
VSTDCCC050

Tot Ion: 65 Resp: 631142

Ion Ratio Lower Upper

65 100

67 44.5 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

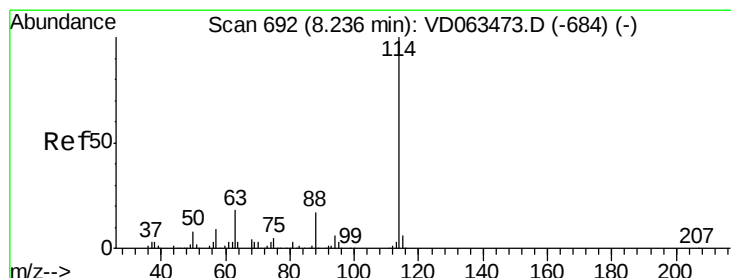
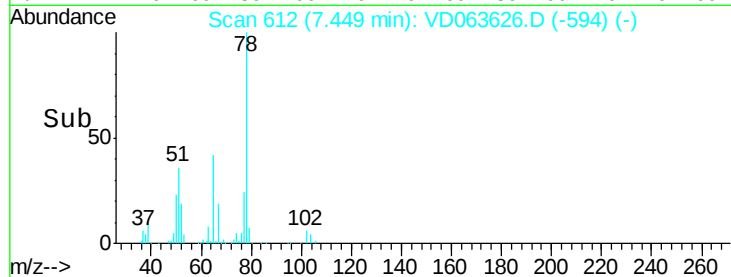
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

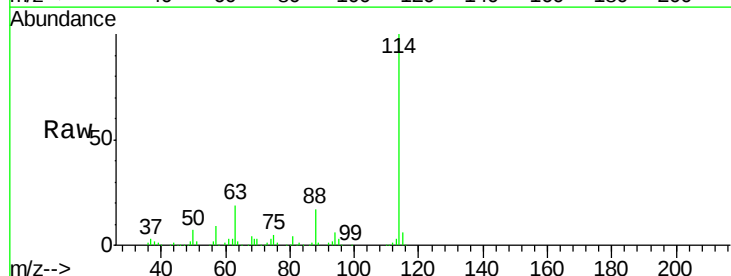
Tgt Ion: 114 Resp: 1462392

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

88 16.6 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

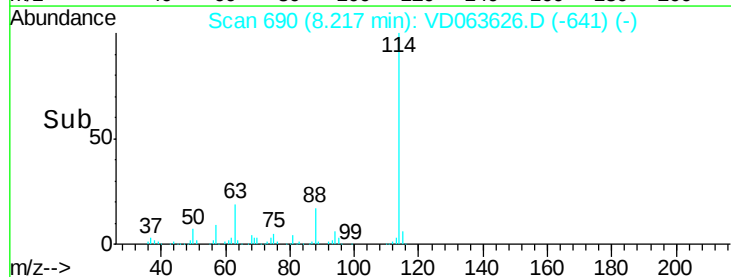
600000

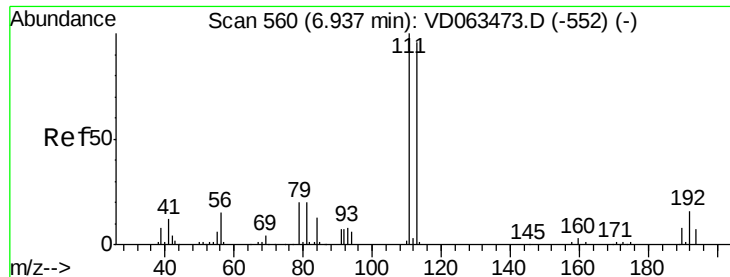
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 54.882 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

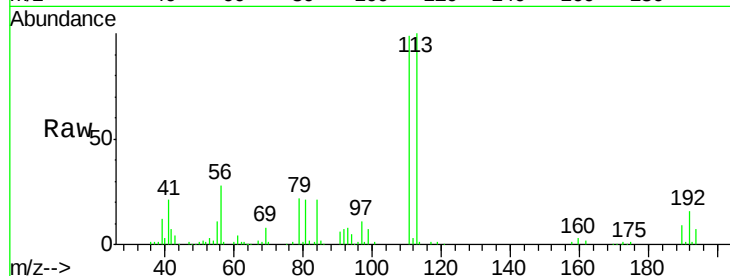
Tot Ion:113 Resp: 675945

Ion Ratio Lower Upper

113 100

111 99.1 83.1 124.7

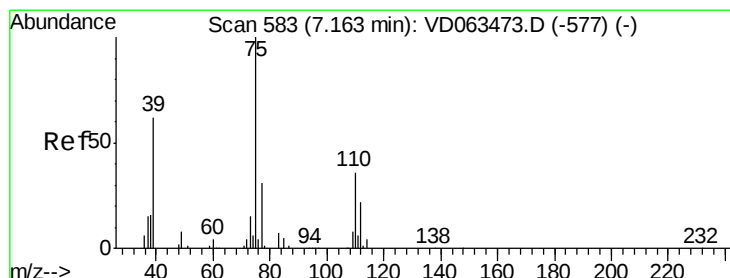
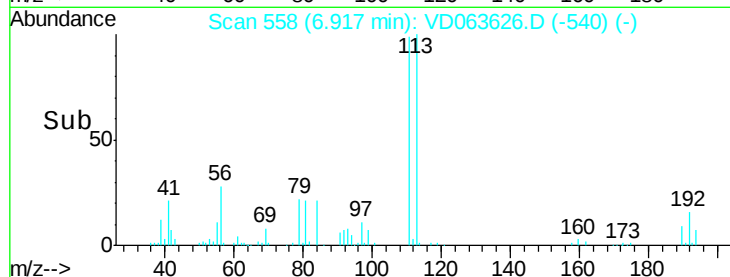
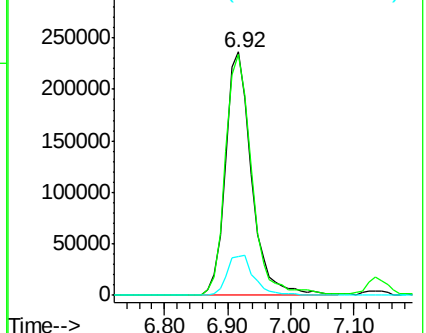
192 16.2 13.1 19.7



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: 55.871 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

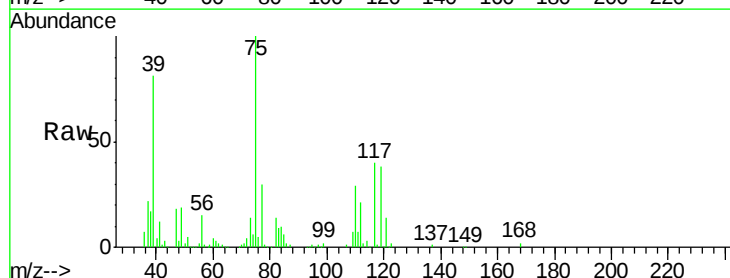
Tgt Ion: 75 Resp: 722290

Ion Ratio Lower Upper

75 100

110 29.4 17.6 52.8

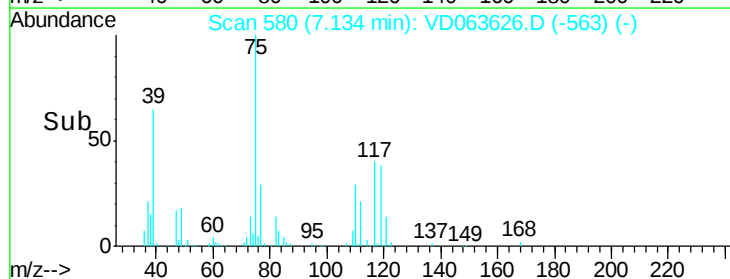
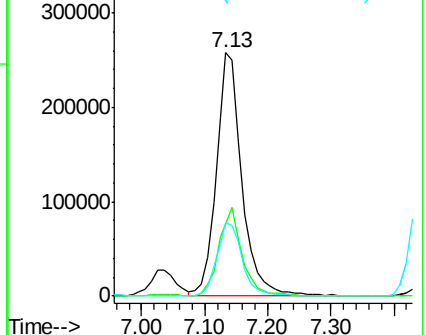
77 30.0 24.3 36.5

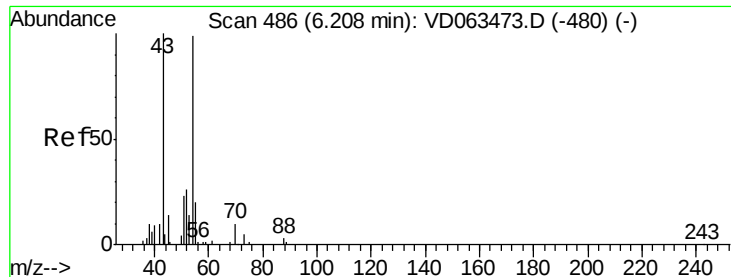


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

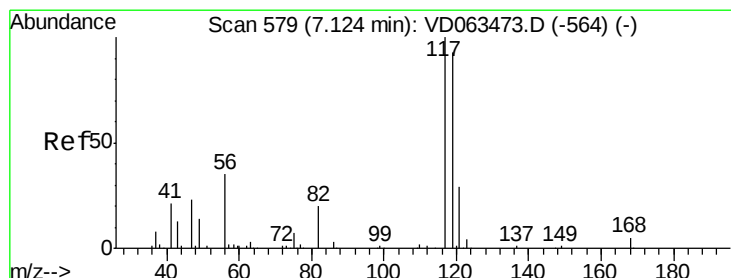
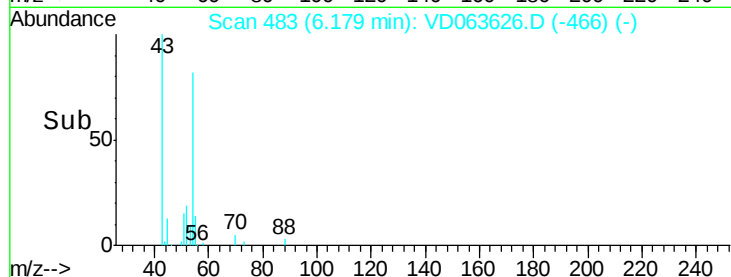
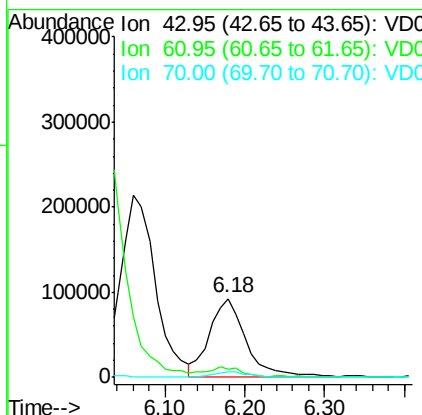
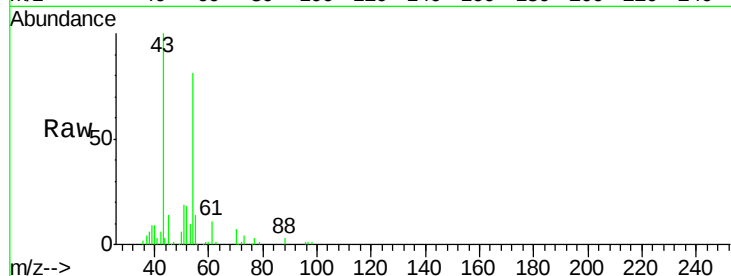




#37
Ethyl Acetate
Concen: 53.109 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

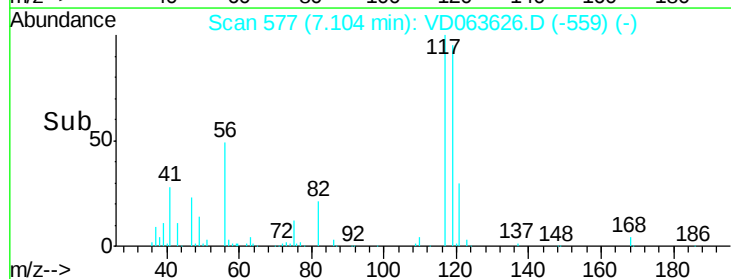
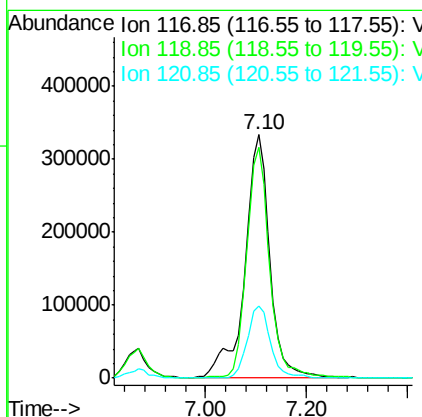
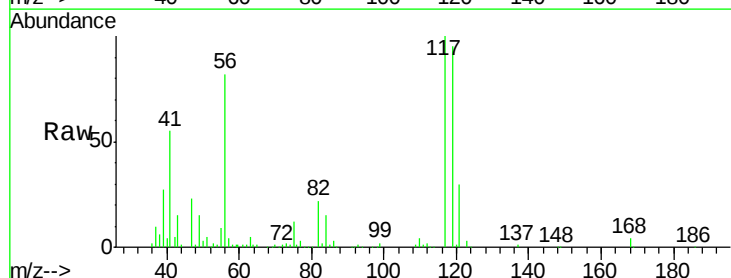
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

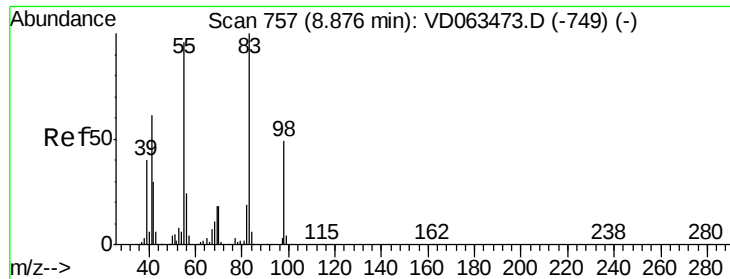
Tot Ion: 43 Resp: 287701
Ion Ratio Lower Upper
43 100
61 10.9 9.0 13.6
70 6.5 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 59.145 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion: 117 Resp: 1152375
Ion Ratio Lower Upper
117 100
119 95.0 74.2 111.2
121 29.7 23.1 34.7

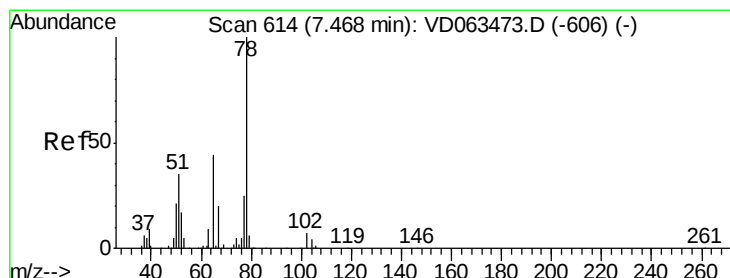
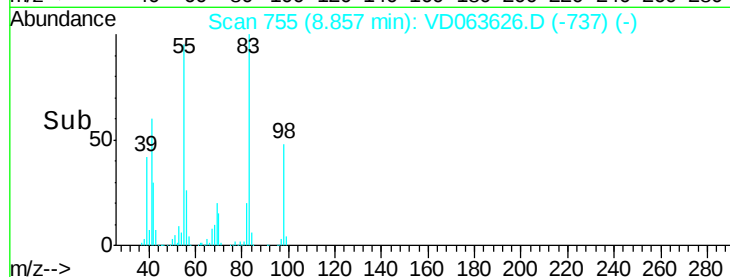
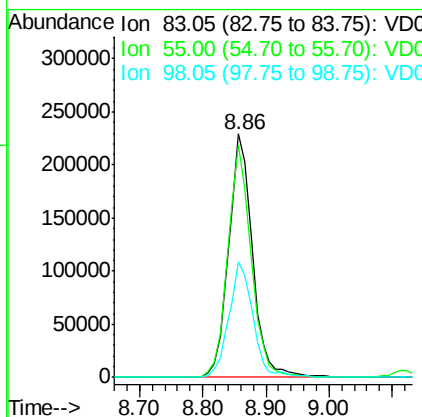
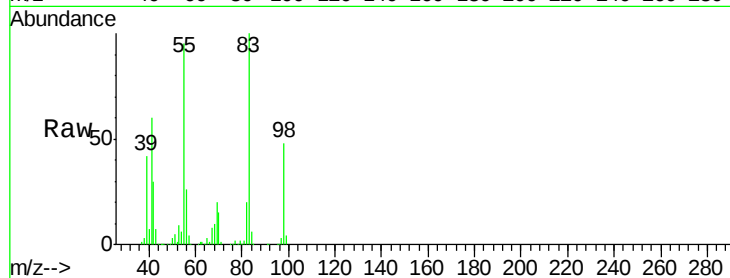




#39
Methvlcvclohexane
Concen: 54.203 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

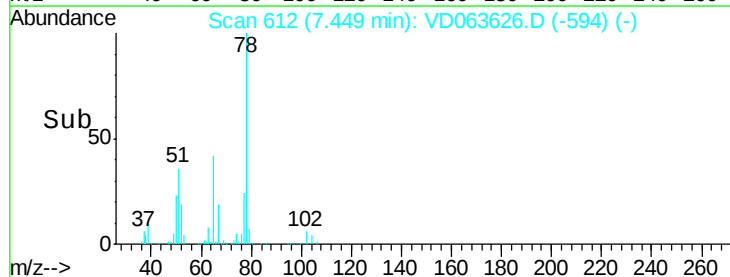
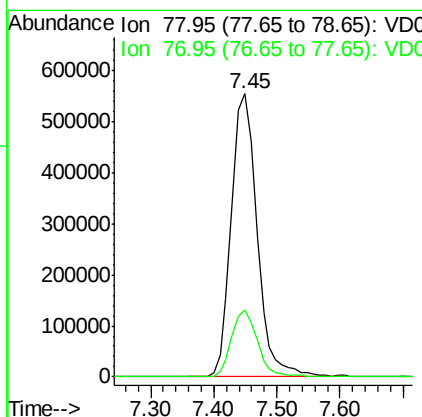
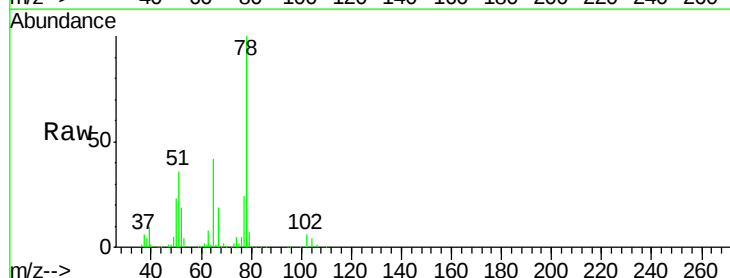
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

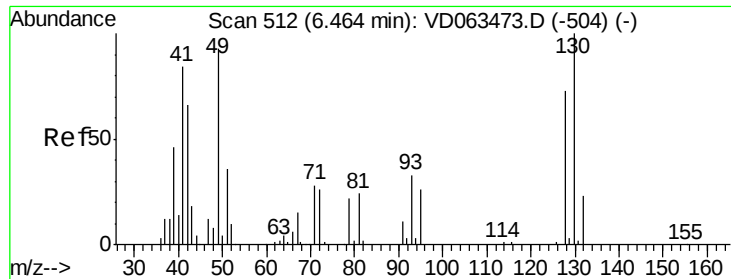
Tot Ion: 83 Resp: 595852
Ion Ratio Lower Upper
83 100
55 95.4 76.6 114.8
98 47.6 39.4 59.0



#40
Benzene
Concen: 55.442 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion: 78 Resp: 1577308
Ion Ratio Lower Upper
78 100
77 23.7 20.1 30.1





#41

Methacrylonitrile

Concen: 51.849 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 353655

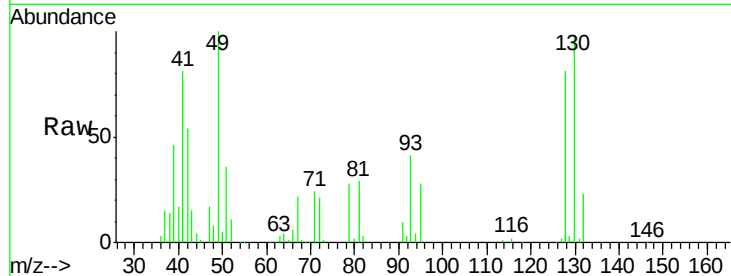
Ion Ratio Lower Upper

41 100

39 56.7 44.6 66.8

67 27.0 14.4 21.6#

52 13.2 9.3 13.9

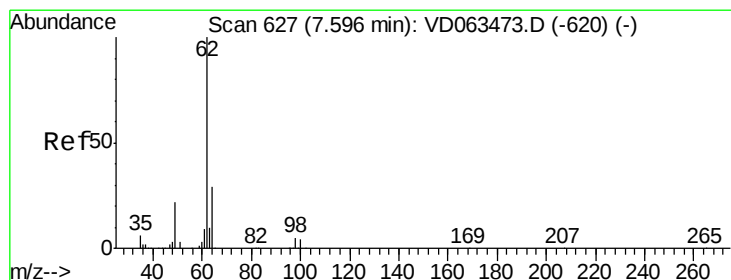
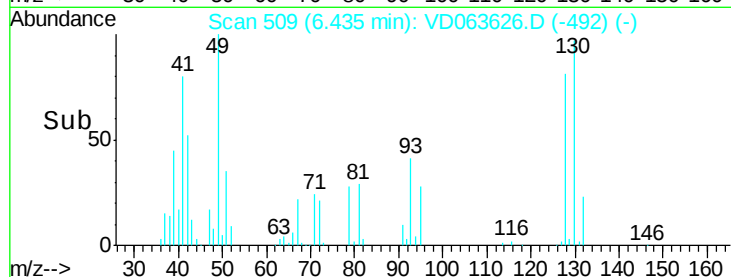
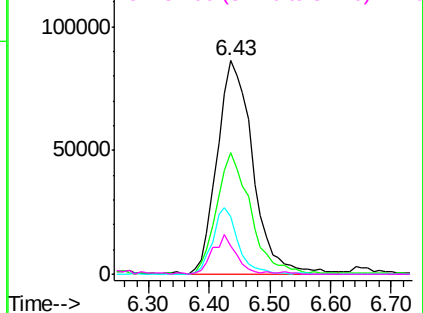


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 52.683 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063626.D

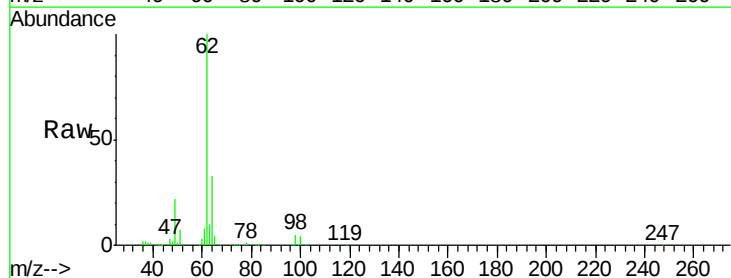
Acq: 16 Aug 2019 9:39

Tgt Ion: 62 Resp: 753640

Ion Ratio Lower Upper

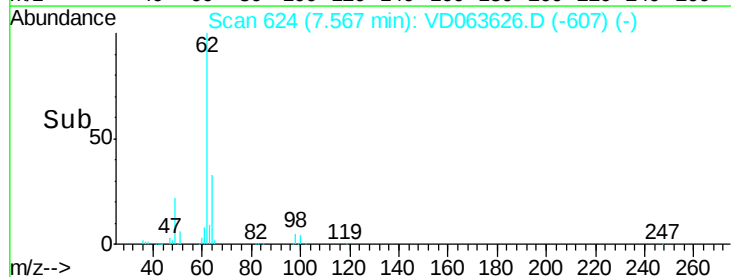
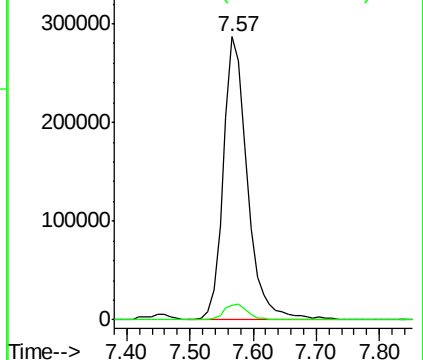
62 100

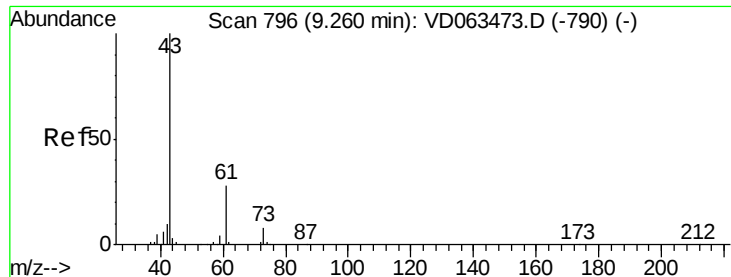
98 5.0 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 54.051 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

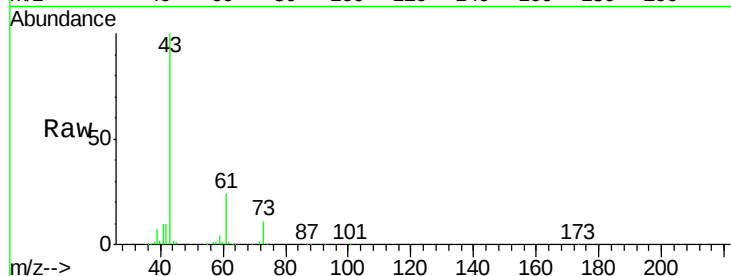
Tot Ion: 43 Resp: 392161

Ion Ratio Lower Upper

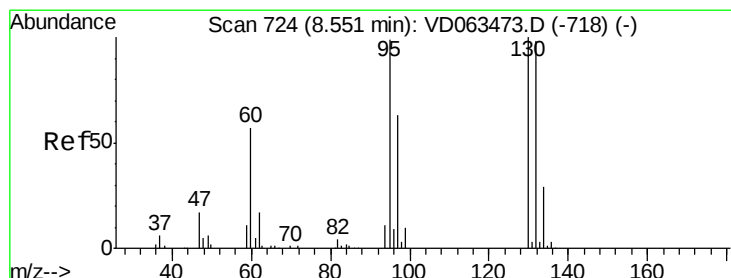
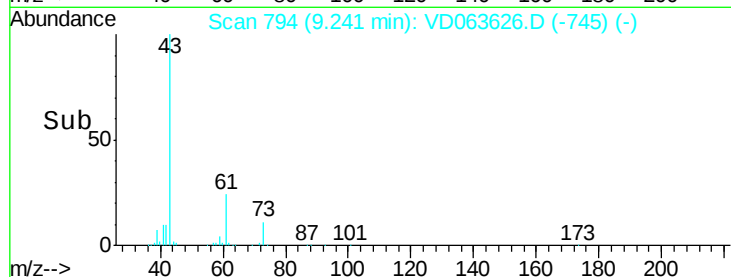
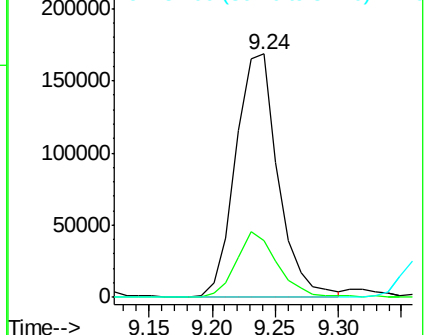
43 100

61 23.5 22.2 33.2

87 0.3 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: 54.812 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063626.D

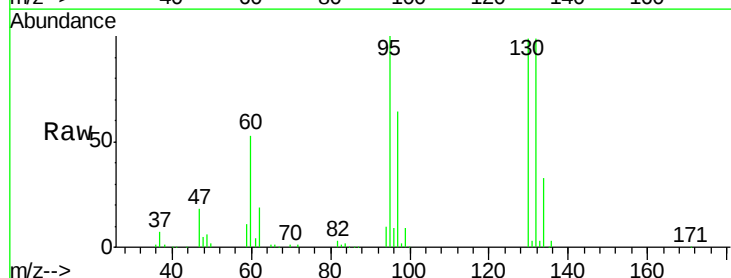
Acq: 16 Aug 2019 9:39

Tgt Ion: 130 Resp: 596033

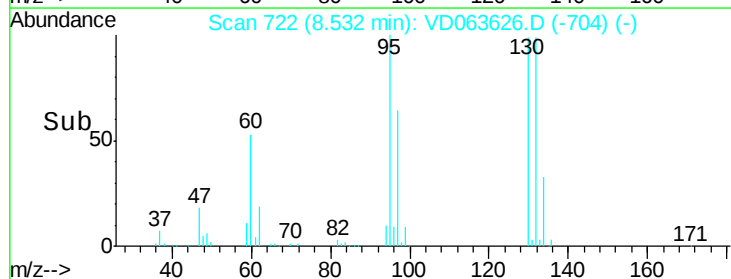
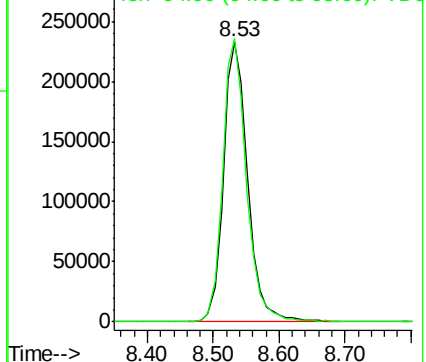
Ion Ratio Lower Upper

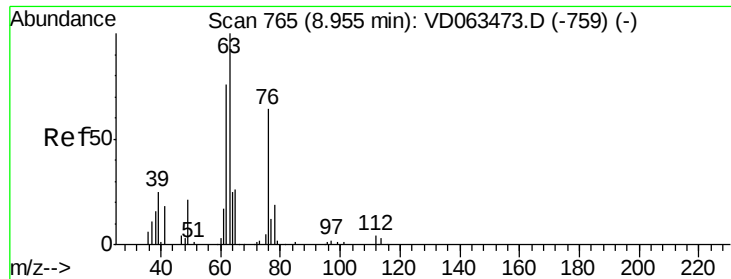
130 100

95 101.1 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 54.294 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

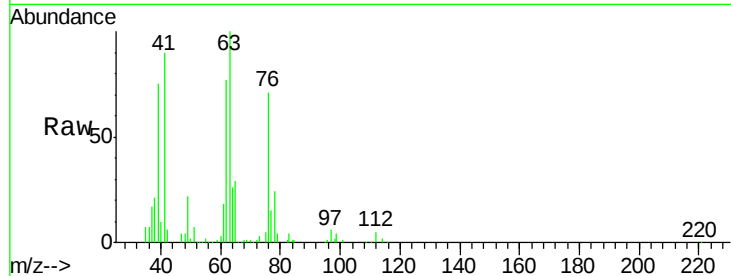
VSTDCCC050

Tot Ion: 63 Resp: 359708

Ion Ratio Lower Upper

63 100

65 28.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

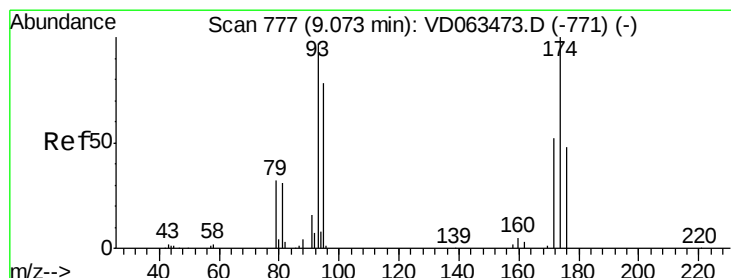
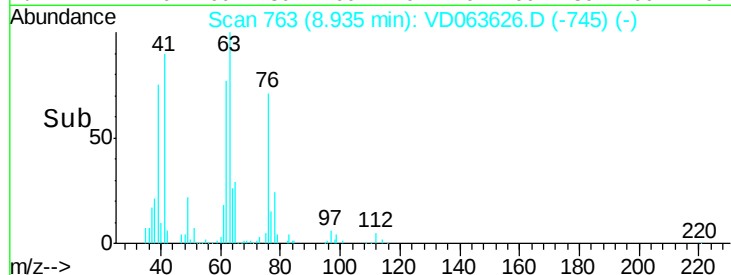
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.877 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

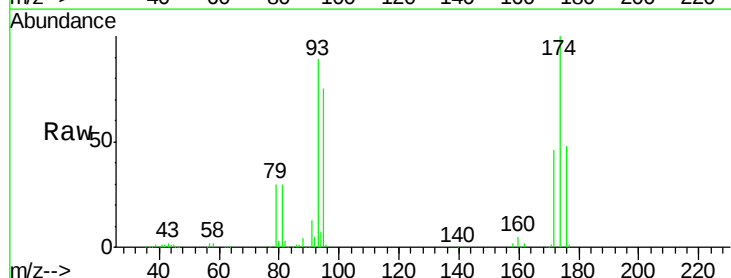
Tgt Ion: 93 Resp: 299172

Ion Ratio Lower Upper

93 100

95 84.1 64.2 96.2

174 112.3 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

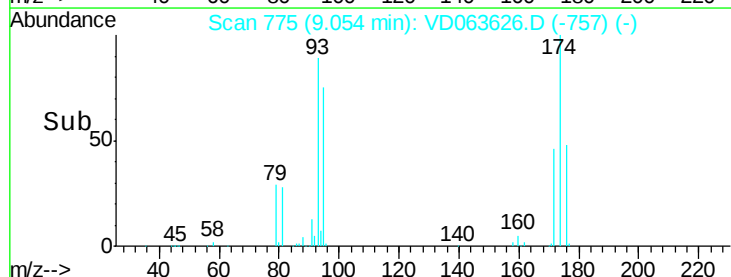
150000

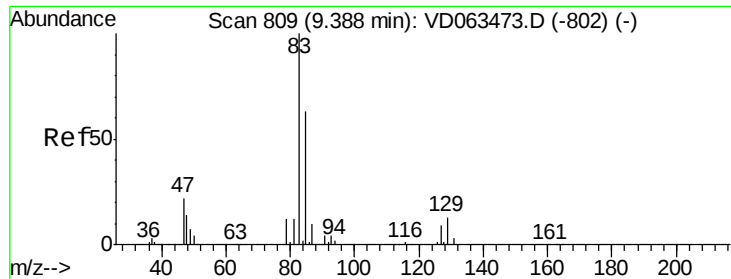
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 56.324 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

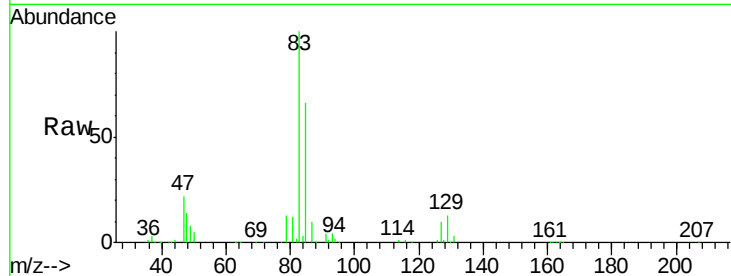
Tot Ion: 83 Resp: 817418

Ion Ratio Lower Upper

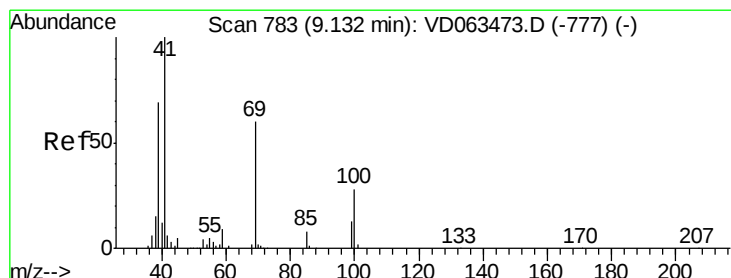
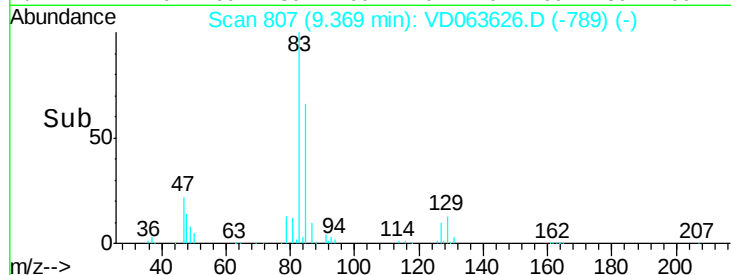
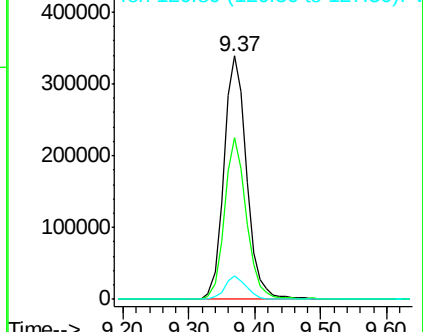
83 100

85 66.3 50.1 75.1

127 9.7 7.6 11.4



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): V



#48

Methyl methacrylate

Concen: 52.414 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

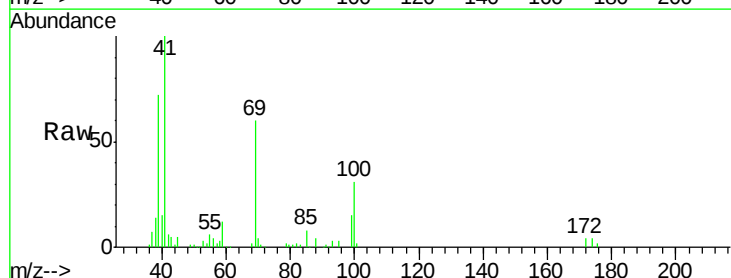
Tgt Ion: 41 Resp: 257899

Ion Ratio Lower Upper

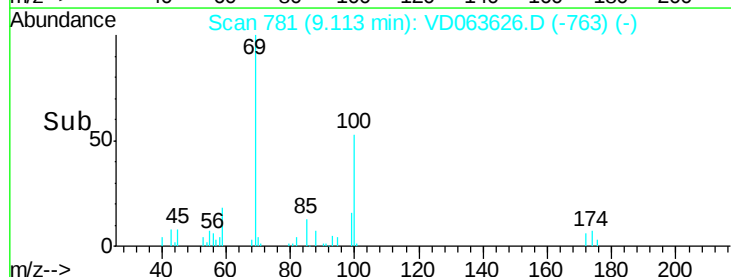
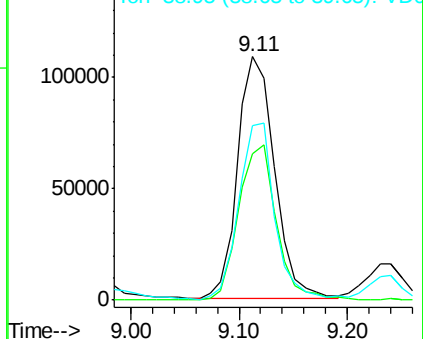
41 100

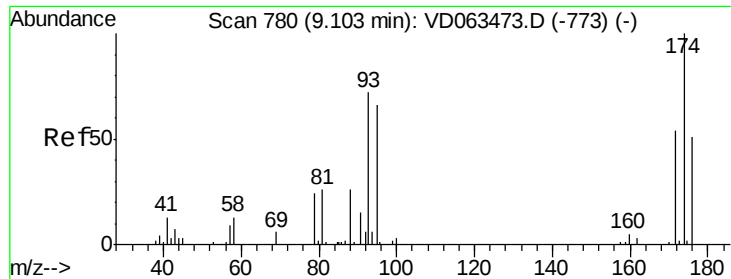
69 60.3 47.6 71.4

39 71.8 55.7 83.5



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

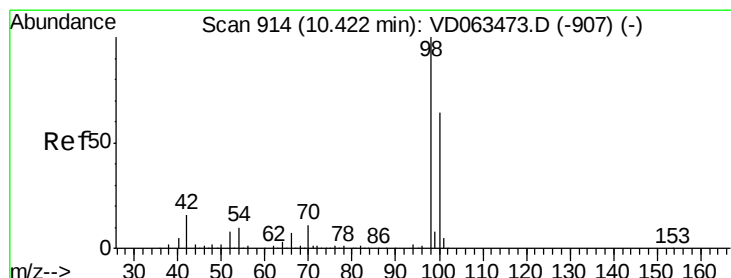
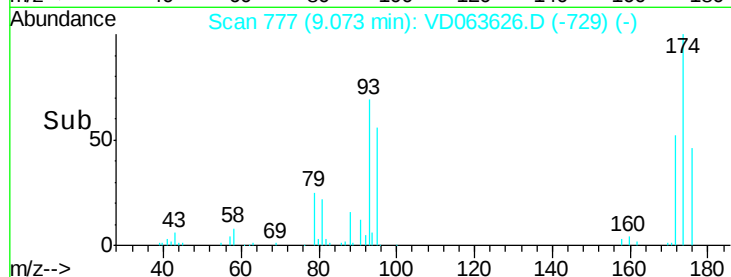
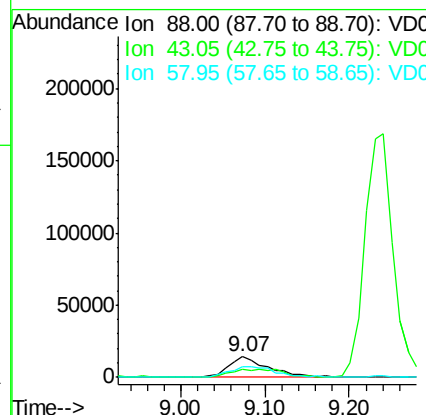
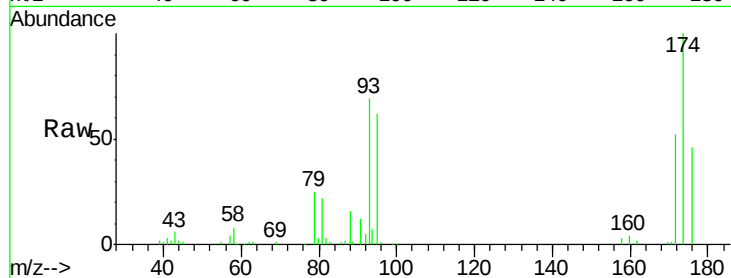




#49
 1,4-Dioxane
 Concen: 1053.482 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

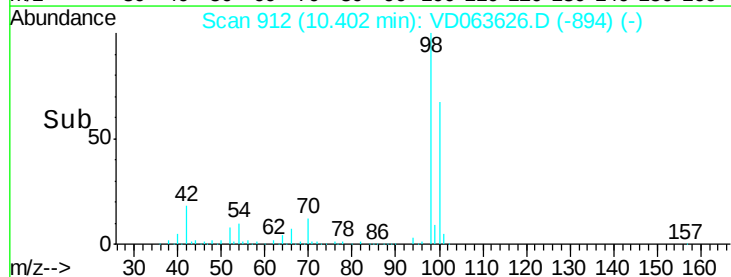
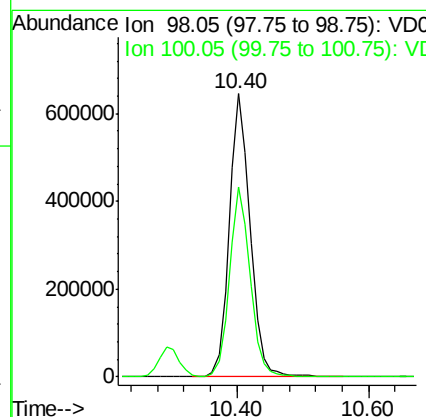
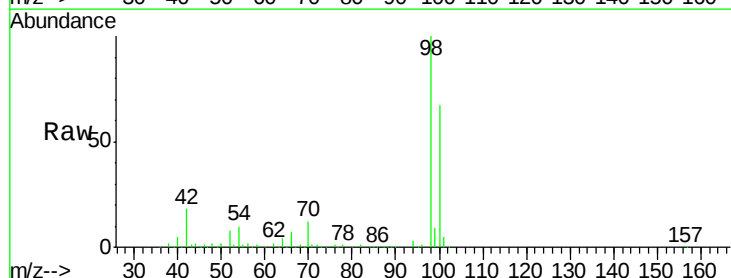
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

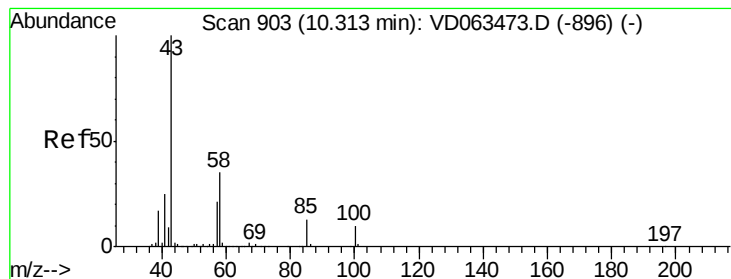
Tot Ion: 88 Resp: 46348
 Ion Ratio Lower Upper
 88 100
 43 38.2 22.9 34.3#
 58 52.6 40.1 60.1



#50
 Toluene-d8
 Concen: 52.779 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Tgt Ion: 98 Resp: 1429144
 Ion Ratio Lower Upper
 98 100
 100 67.1 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 275.030 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

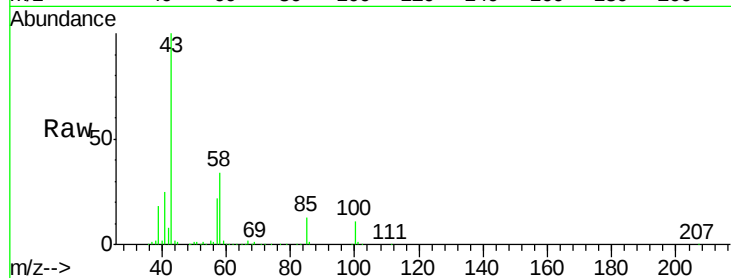
VSTDCCC050

Tot Ion: 43 Resp: 1365422

Ion Ratio Lower Upper

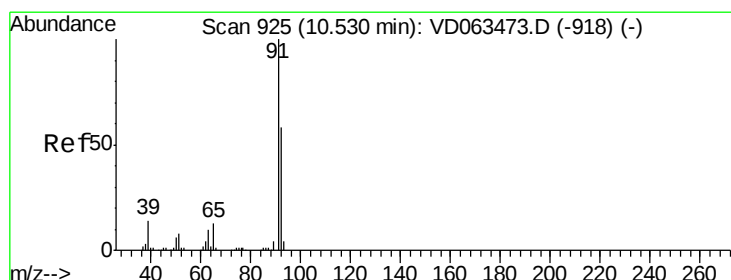
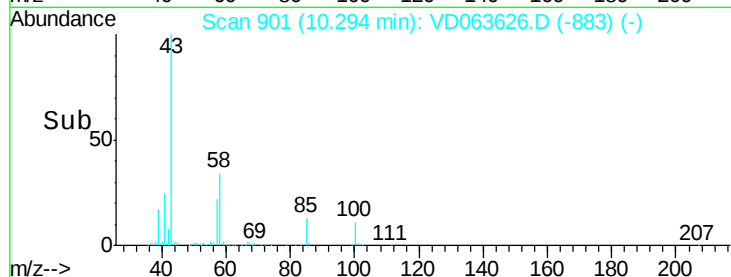
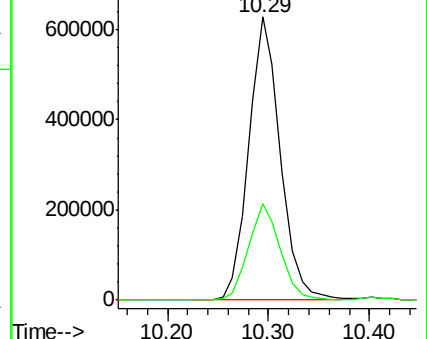
43 100

58 34.1 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.746 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.03 min

Lab File: VD063626.D

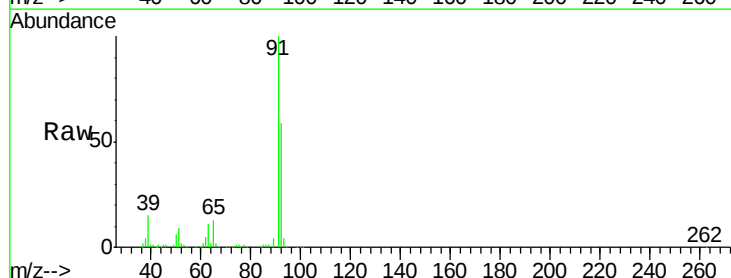
Acq: 16 Aug 2019 9:39

Tgt Ion: 92 Resp: 966531

Ion Ratio Lower Upper

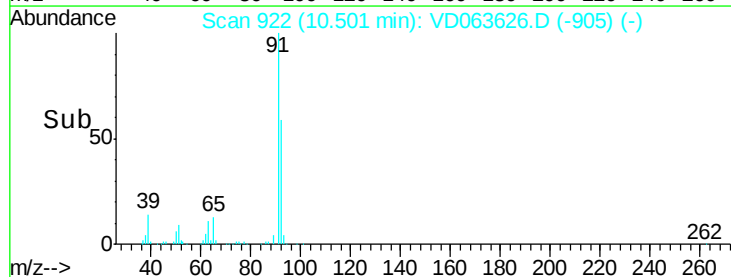
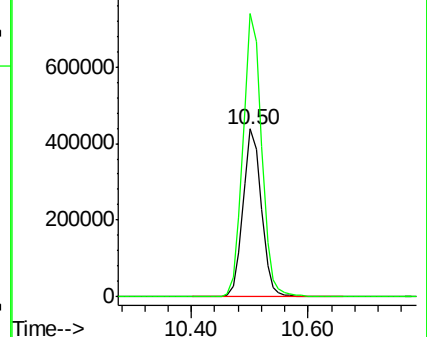
92 100

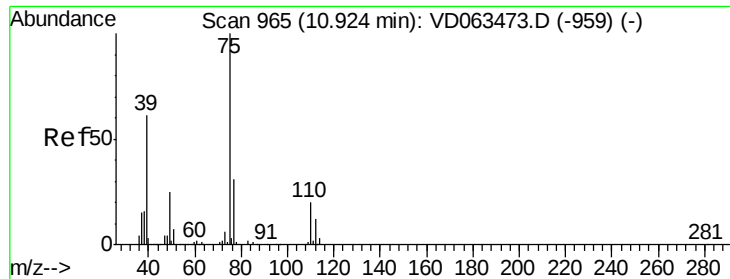
91 168.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

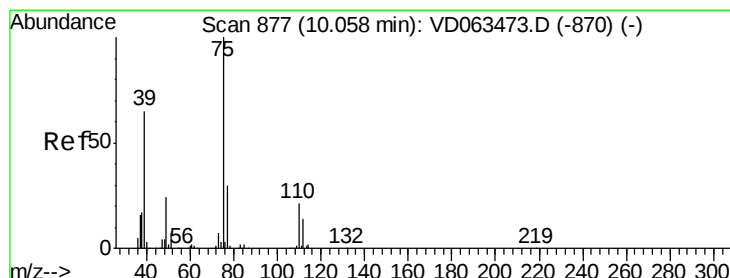
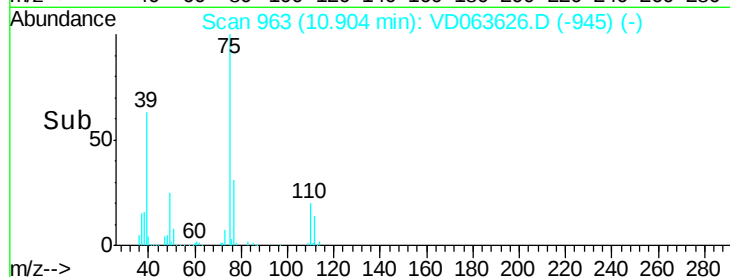
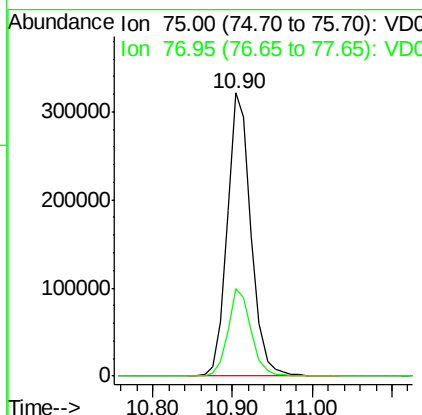
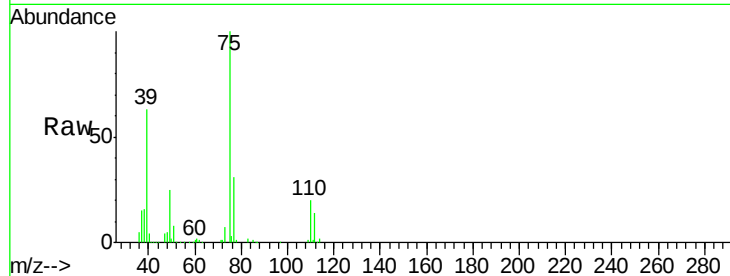




#53
 t-1,3-Dichloropropene
 Concen: 56.512 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

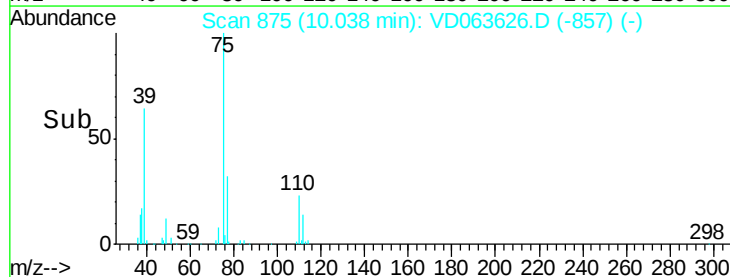
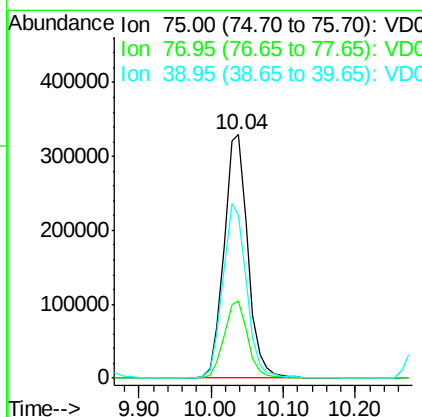
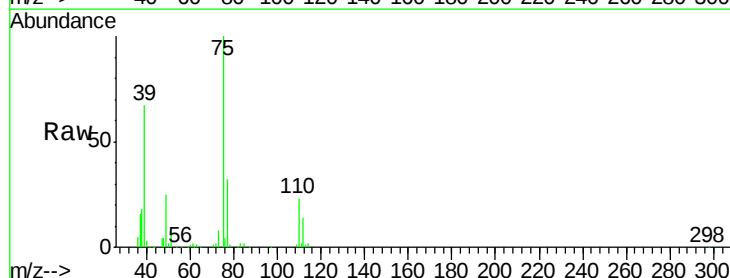
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

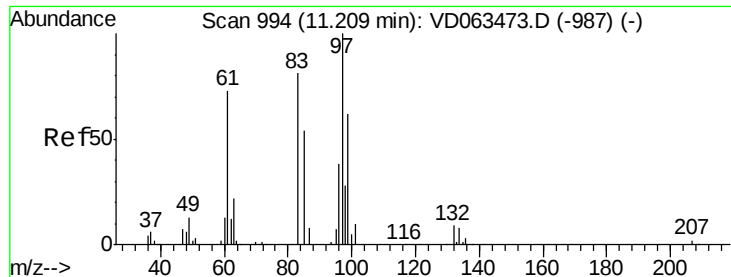
Tot Ion: 75 Resp: 669327
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 56.481 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Tgt Ion: 75 Resp: 754298
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.7 35.5
 39 67.1 52.2 78.4

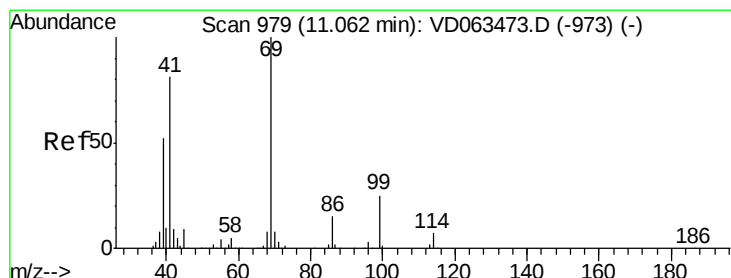
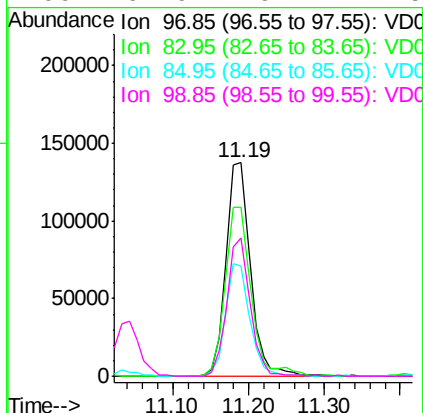
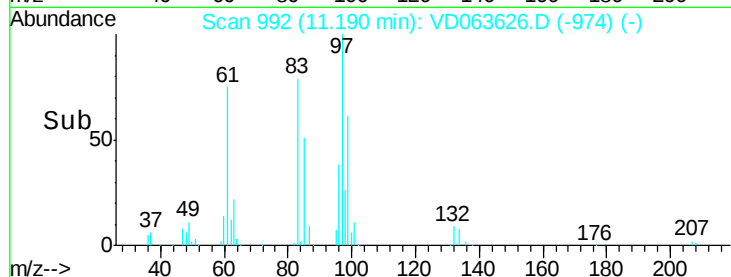
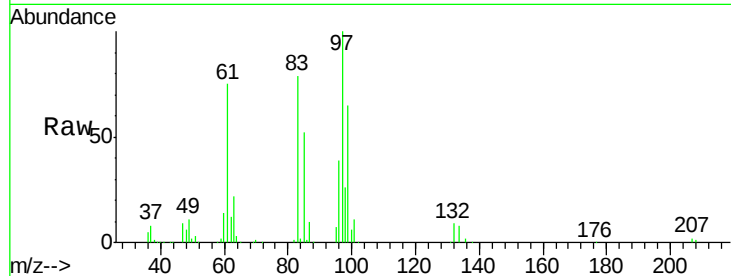




#55
 1,1,2-Trichloroethane
 Concen: 49.688 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

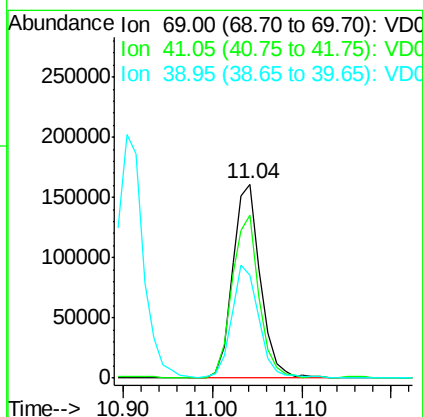
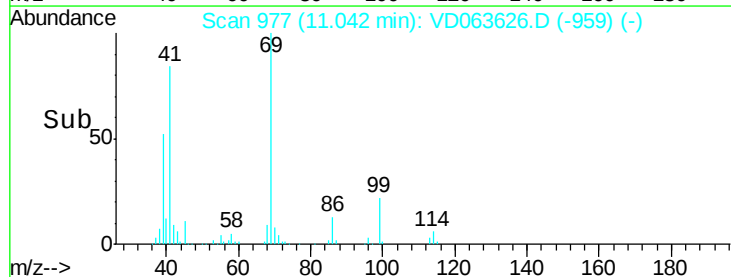
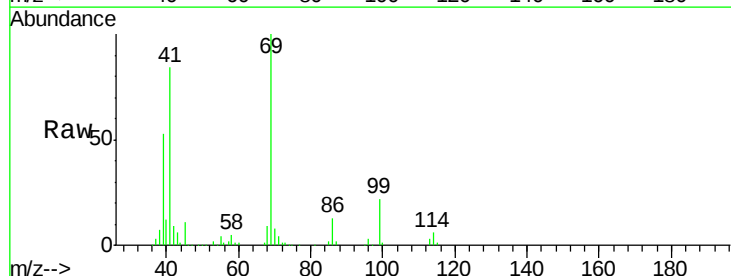
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

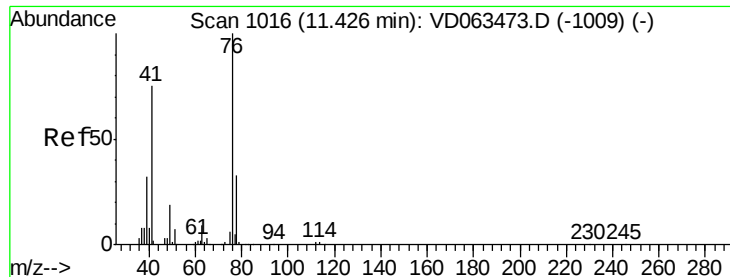
Tot Ion:	97	Resp:	307563
Ion	Ratio	Lower	Upper
97	100		
83	78.9	64.7	97.1
85	51.8	42.9	64.3
99	64.9	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 52.001 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Tgt Ion:	69	Resp:	349366
Ion	Ratio	Lower	Upper
69	100		
41	84.2	64.8	97.2
39	53.0	42.4	63.6





#57

1,3-Dichloropropane

Concen: 53.959 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

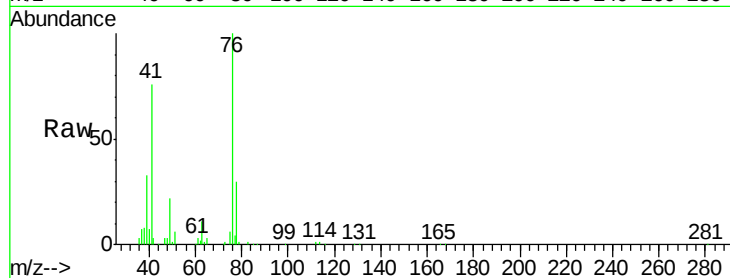
VSTDCCC050

Tot Ion: 76 Resp: 504868

Ion Ratio Lower Upper

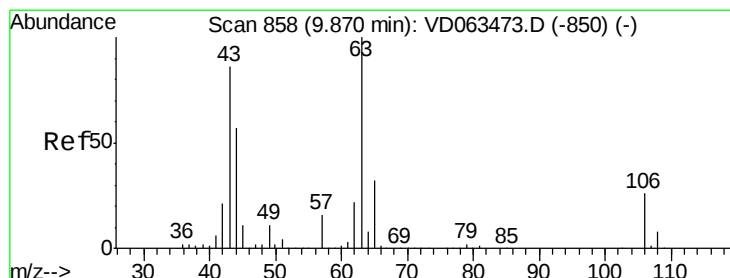
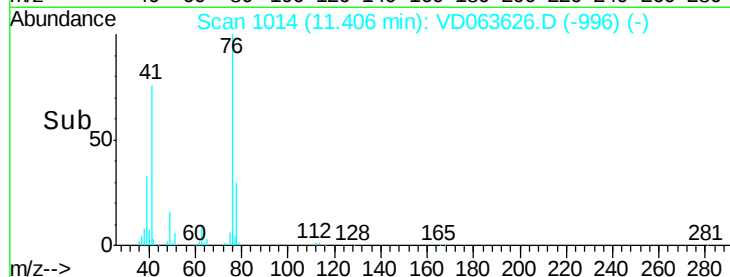
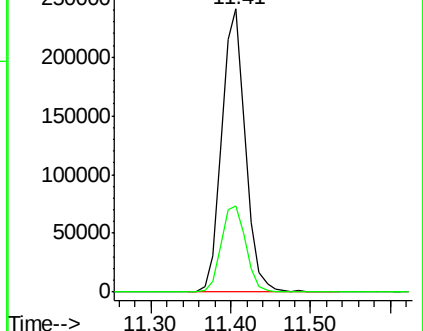
76 100

78 30.3 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 281.979 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063626.D

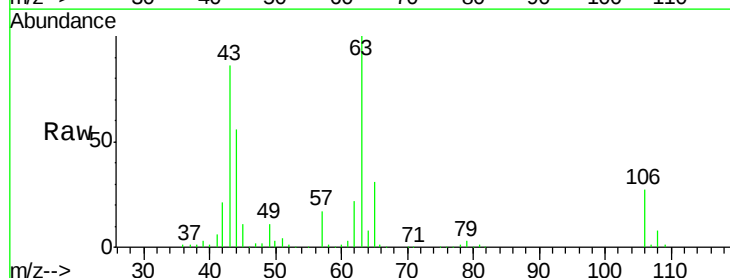
Acq: 16 Aug 2019 9:39

Tgt Ion: 63 Resp: 1000150

Ion Ratio Lower Upper

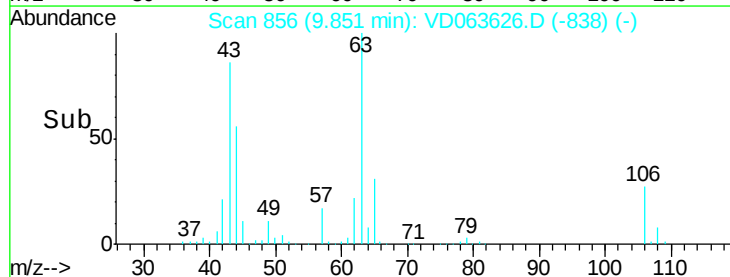
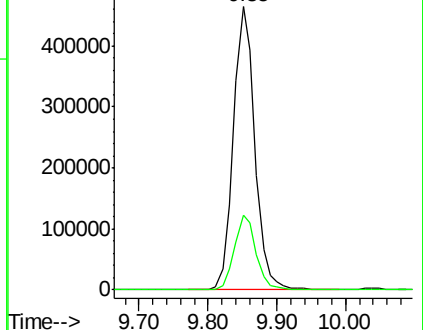
63 100

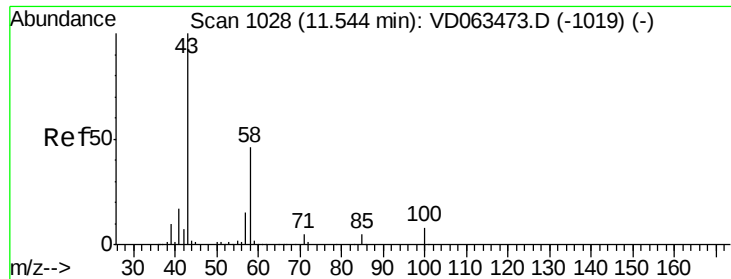
106 26.6 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

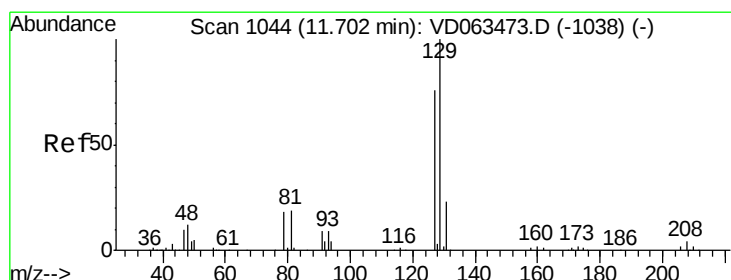
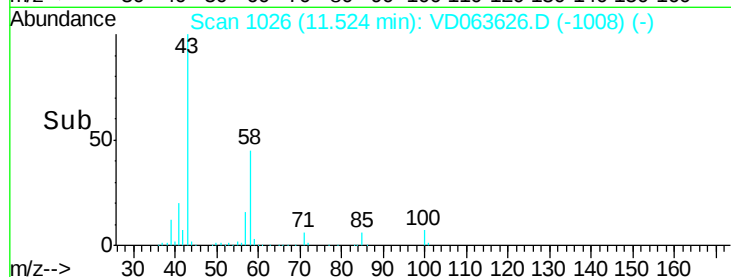
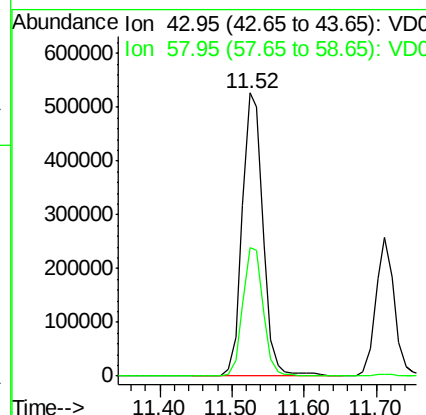
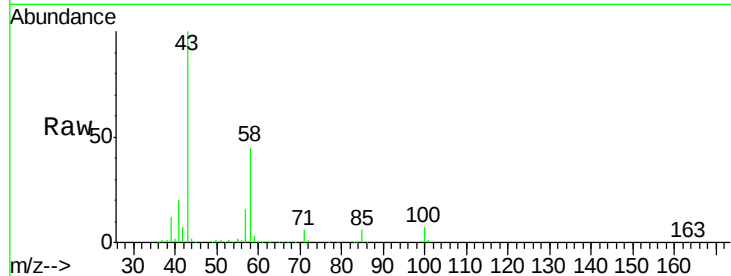




#59
2-Hexanone
Concen: 294.370 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

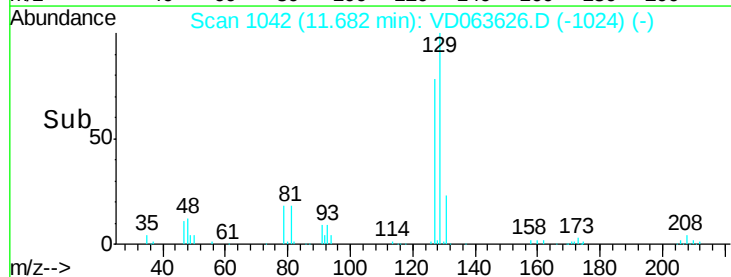
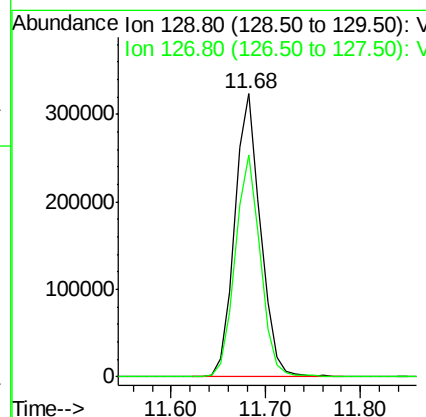
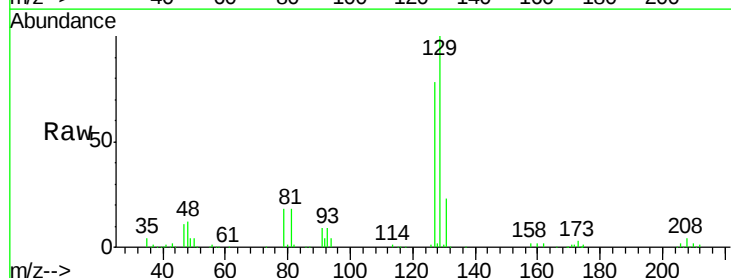
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

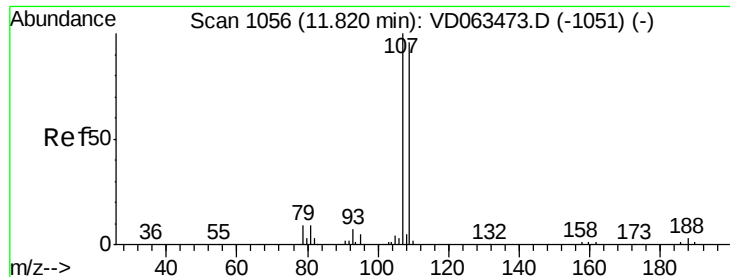
Tot Ion: 43 Resp: 1063380
Ion Ratio Lower Upper
43 100
58 45.3 23.1 69.2



#60
Dibromochloromethane
Concen: 54.099 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion: 129 Resp: 609341
Ion Ratio Lower Upper
129 100
127 78.5 37.8 113.4

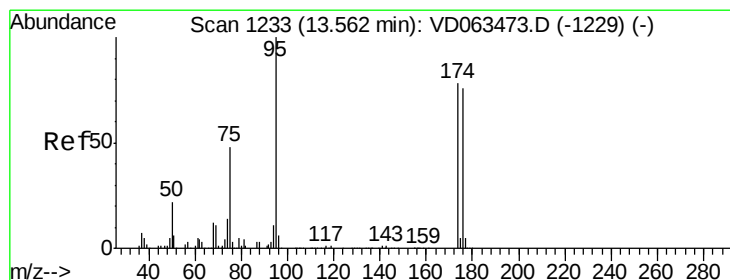
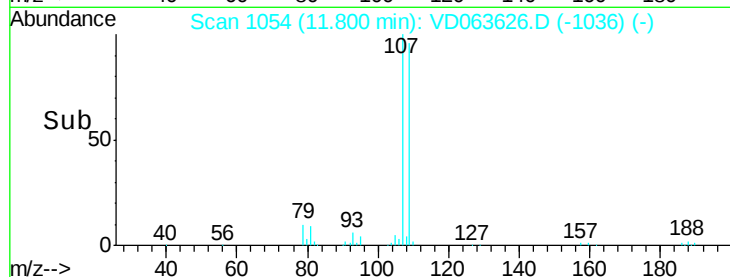
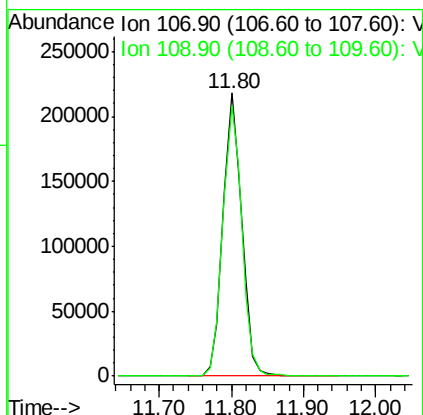
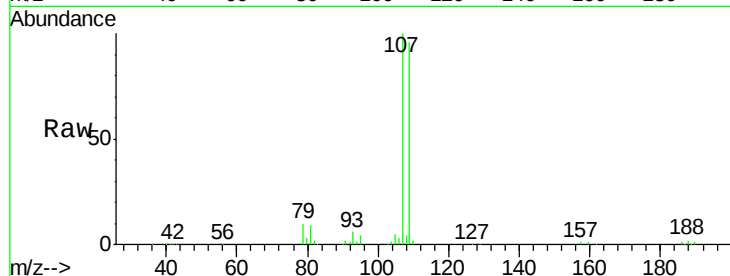




#61
 1,2-Dibromoethane
 Concen: 52.593 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

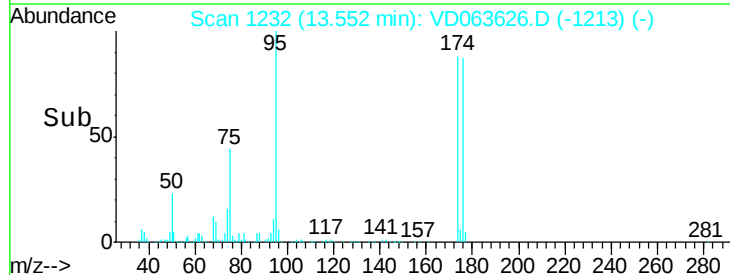
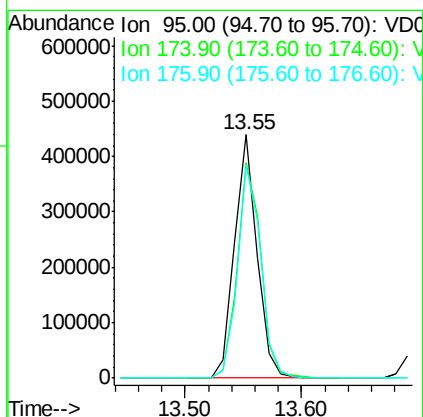
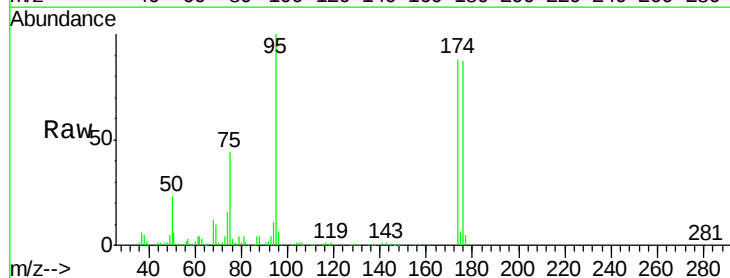
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

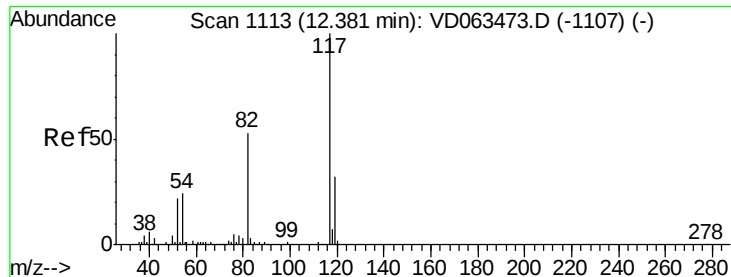
Tot Ion: 107 Resp: 394096
 Ion Ratio Lower Upper
 107 100
 109 95.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 47.744 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Tgt Ion: 95 Resp: 585961
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 155.4
 176 87.3 0.0 152.4

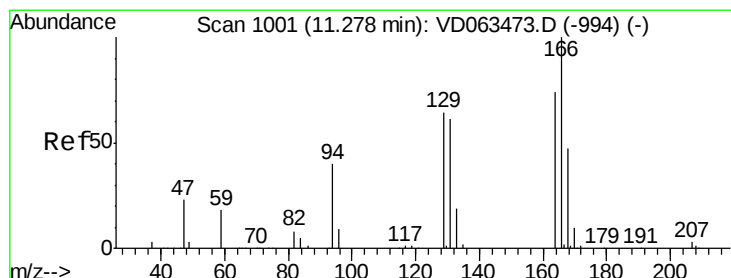
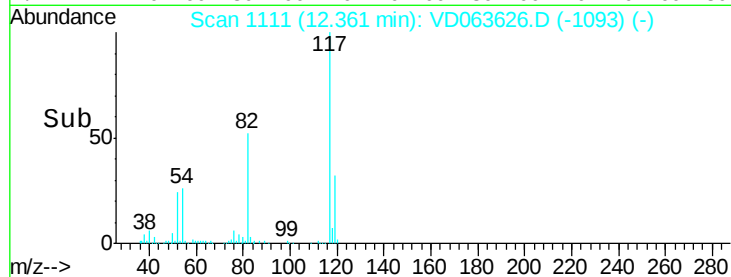
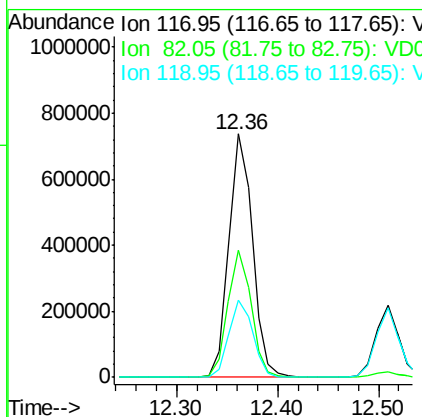
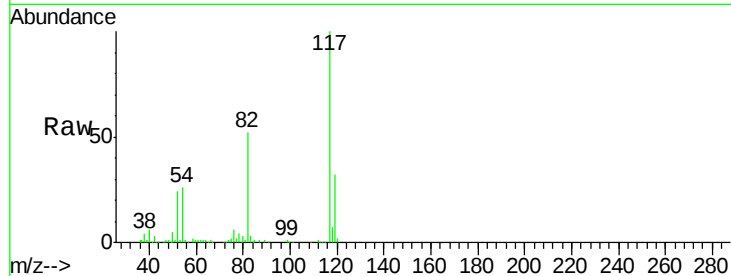




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

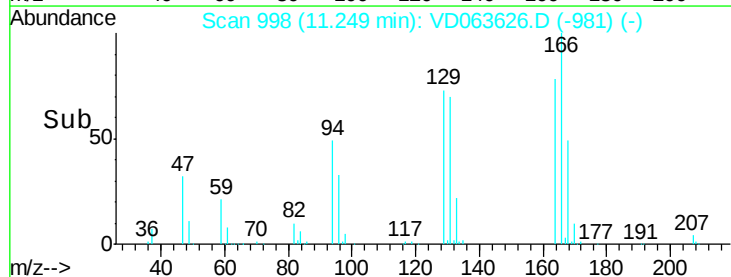
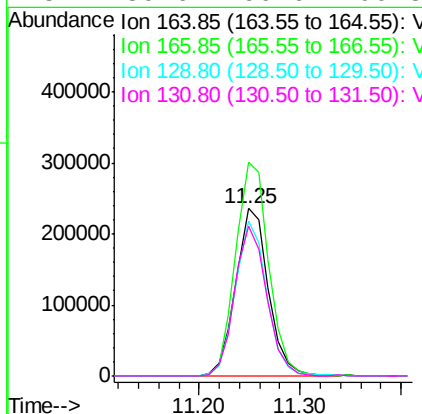
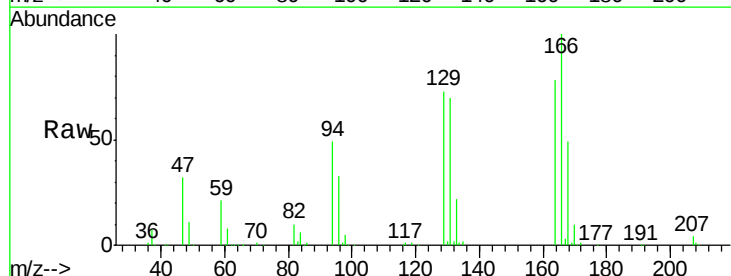
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

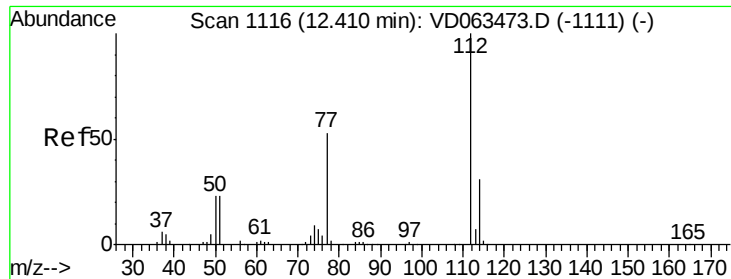
Tot Ion:117 Resp: 1199475
Ion Ratio Lower Upper
117 100
82 52.2 42.0 63.0
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 57.421 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion:164 Resp: 531699
Ion Ratio Lower Upper
164 100
166 127.7 108.6 163.0
129 93.0 69.0 103.6
131 89.6 66.6 99.8





#65

Chlorobenzene

Concen: 53.121 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

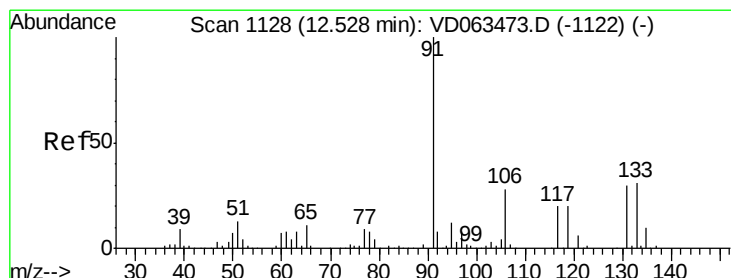
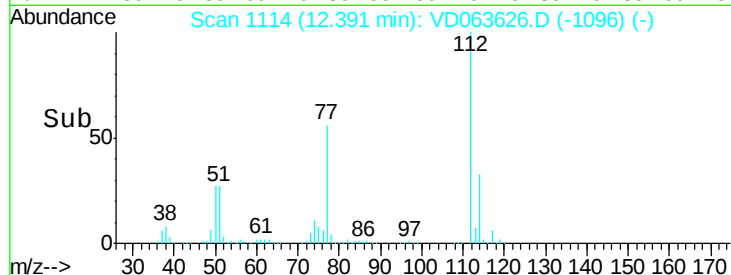
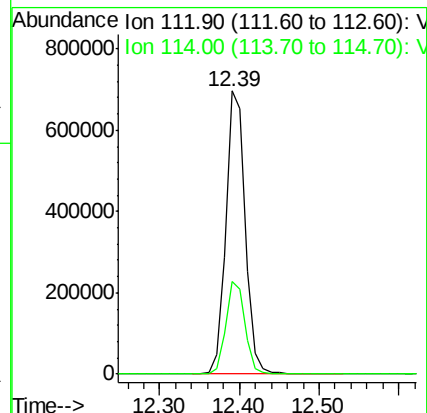
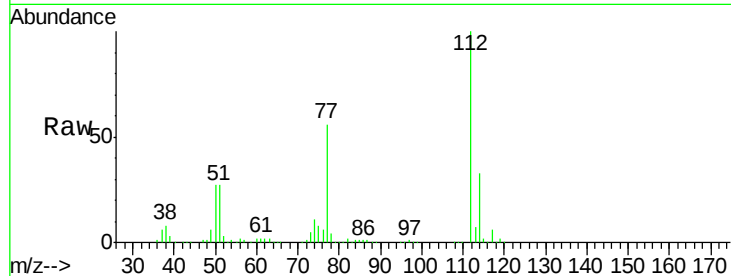
VSTDCCC050

Tot Ion:112 Resp: 1194205

Ion Ratio Lower Upper

112 100

114 32.6 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 57.068 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

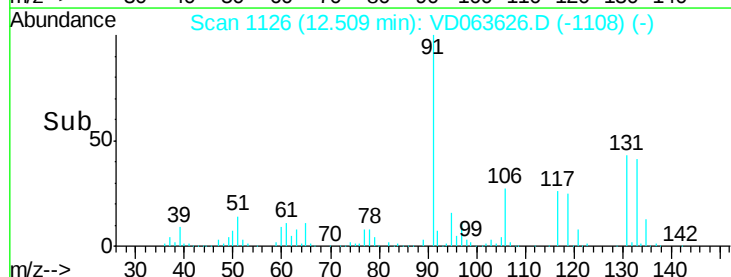
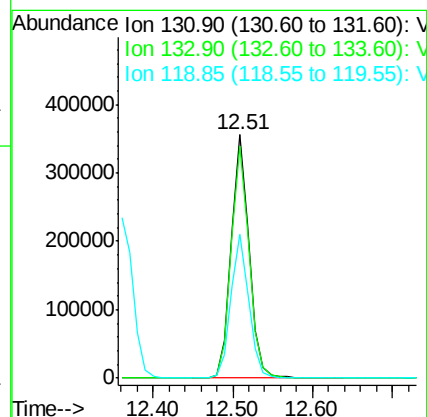
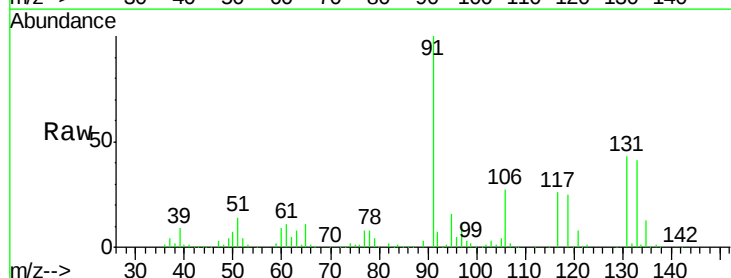
Tgt Ion:131 Resp: 564623

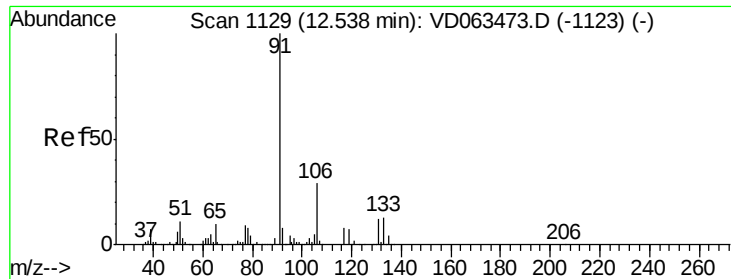
Ion Ratio Lower Upper

131 100

133 95.4 51.1 153.3

119 59.2 33.1 99.3

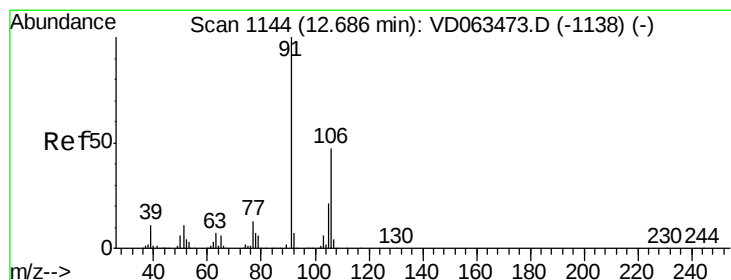
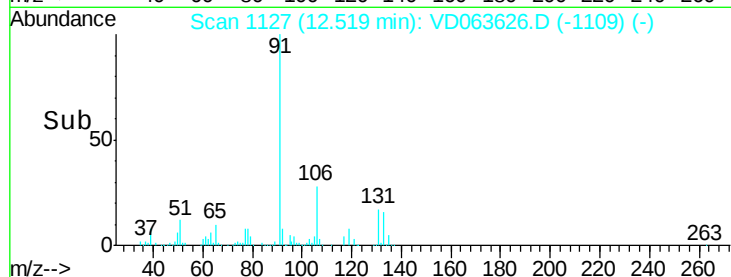
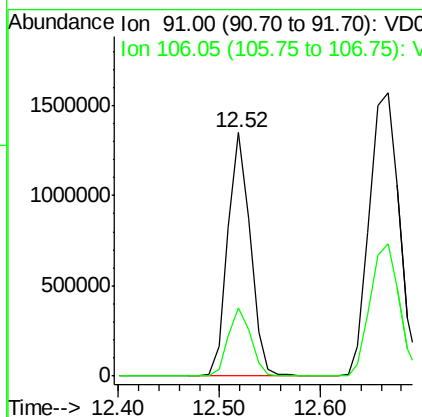
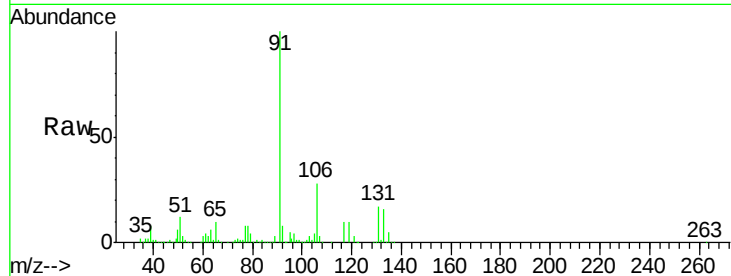




#67
Ethyl Benzene
Concen: 53.550 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

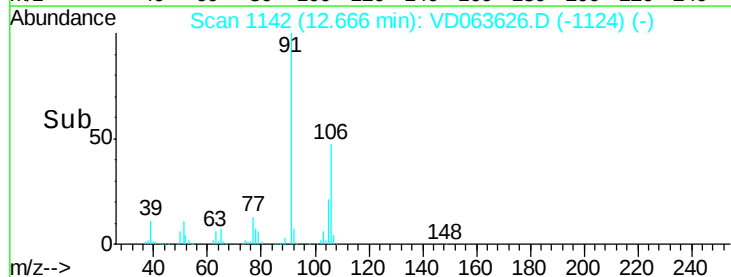
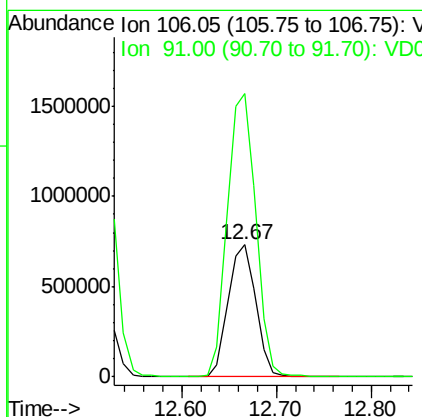
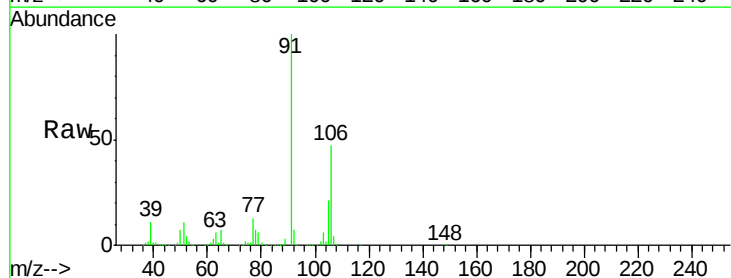
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

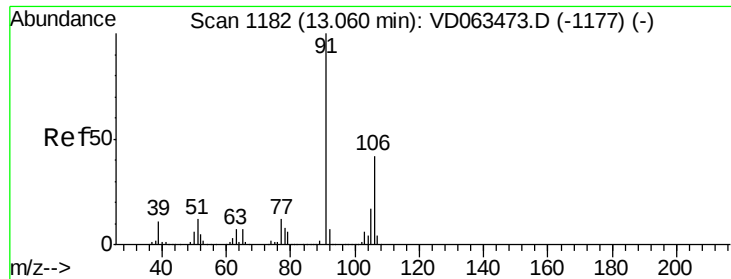
Tot Ion: 91 Resp: 2093223
Ion Ratio Lower Upper
91 100
106 28.0 23.1 34.7



#68
m/p-Xylenes
Concen: 107.003 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion: 106 Resp: 1469492
Ion Ratio Lower Upper
106 100
91 214.7 171.8 257.8

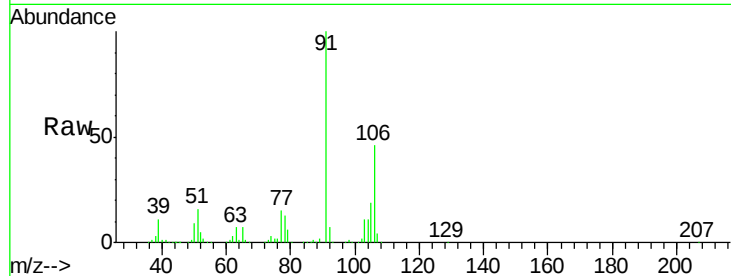




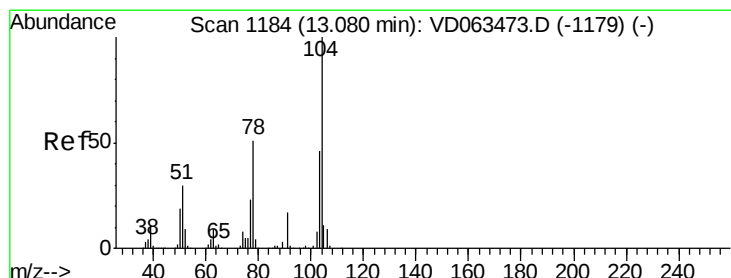
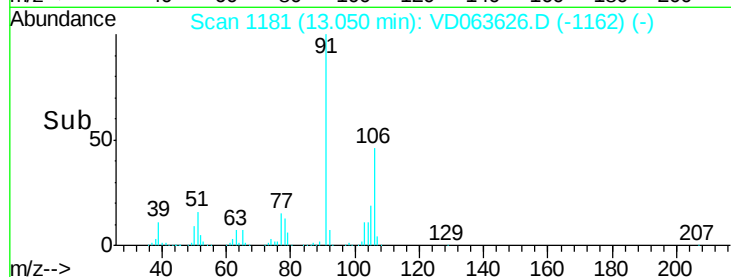
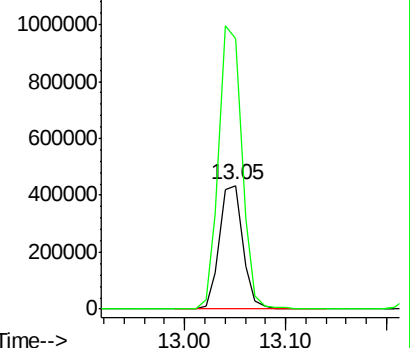
#69
o-Xylene
Concen: 53.131 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 702268
Ion Ratio Lower Upper
106 100
91 219.1 118.1 354.2

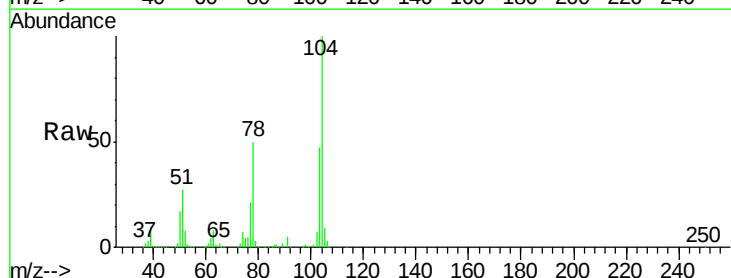


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

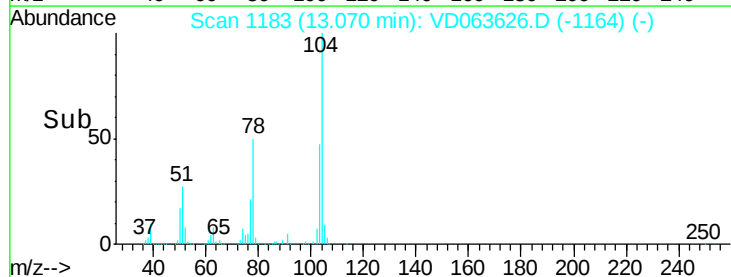
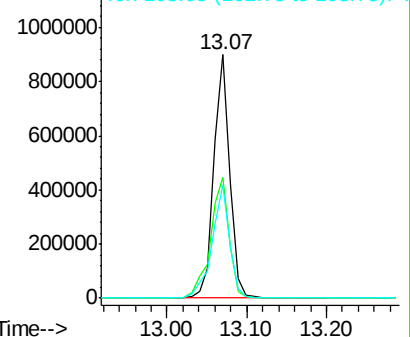


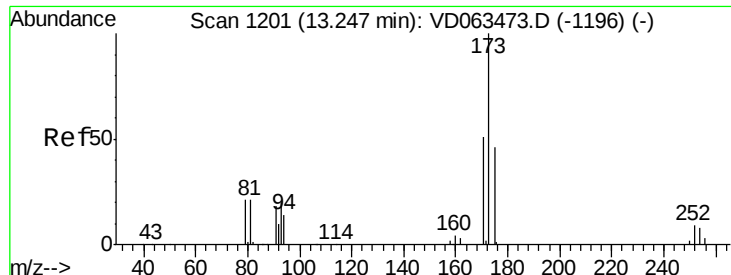
#70
Styrene
Concen: 53.980 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion:104 Resp: 1269154
Ion Ratio Lower Upper
104 100
78 49.7 40.8 61.2
103 46.5 36.4 54.6



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

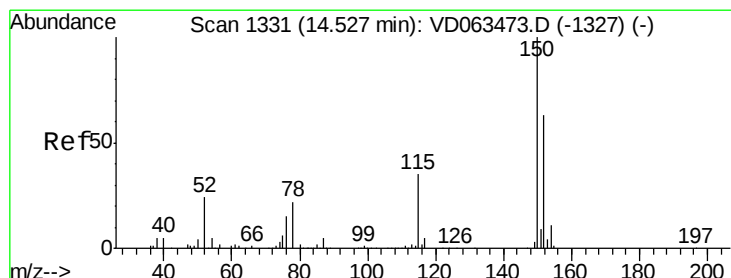
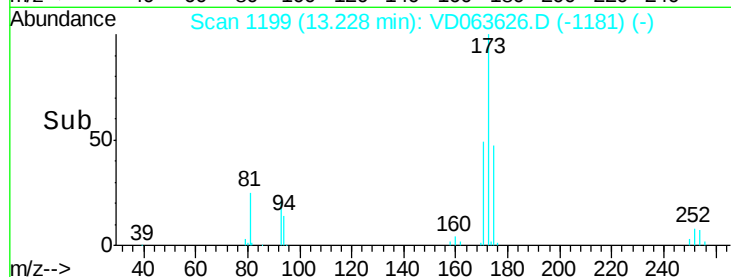
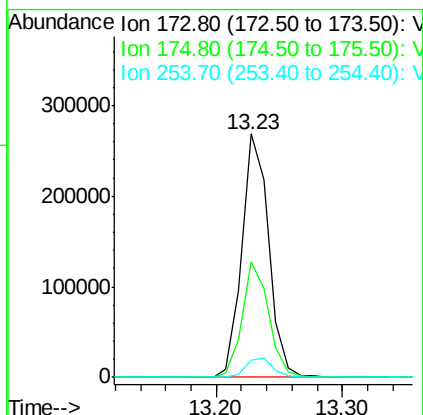
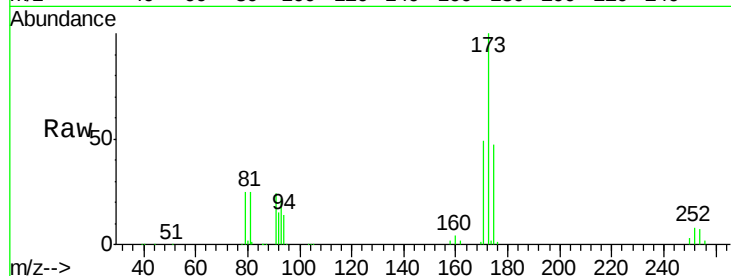




#71
Bromoform
Concen: 58.115 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

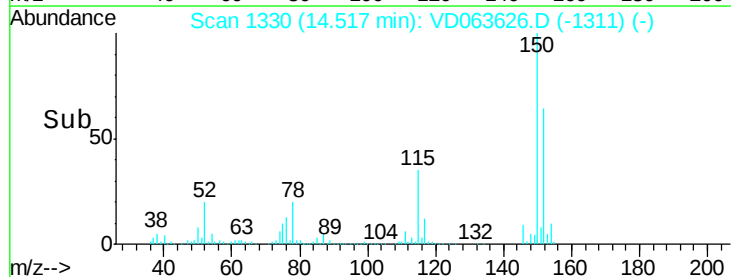
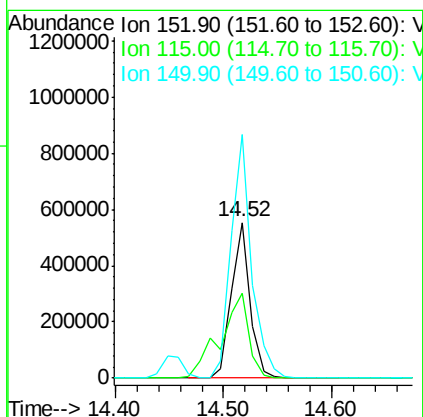
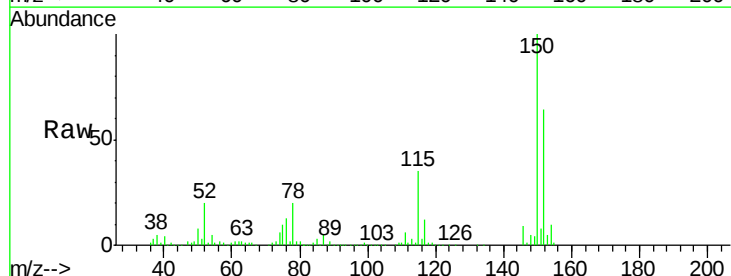
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

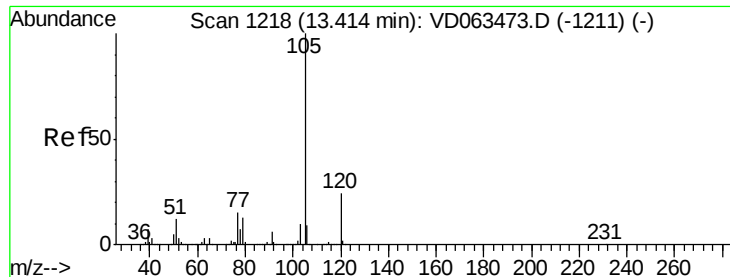
Tot Ion:173 Resp: 394261
Ion Ratio Lower Upper
173 100
175 47.4 22.8 68.3
254 7.2 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion:152 Resp: 664914
Ion Ratio Lower Upper
152 100
115 54.5 30.9 92.7
150 156.8 0.0 318.6





#73

Isopropylbenzene

Concen: 52.367 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

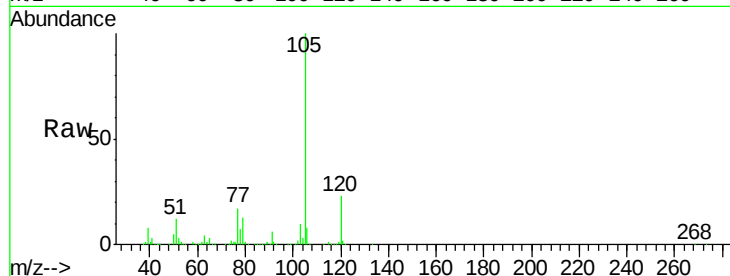
VSTDCCC050

Tot Ion:105 Resp: 2214729

Ion Ratio Lower Upper

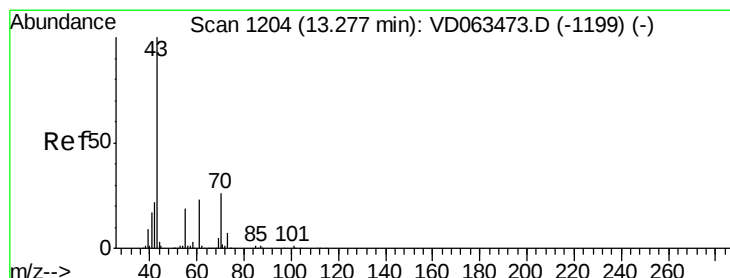
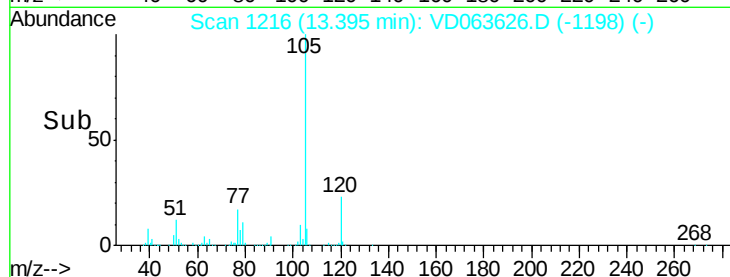
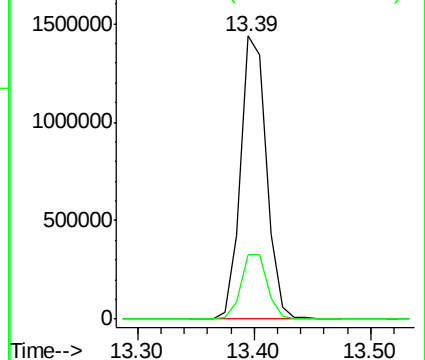
105 100

120 22.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.407 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Tgt Ion: 43 Resp: 556387

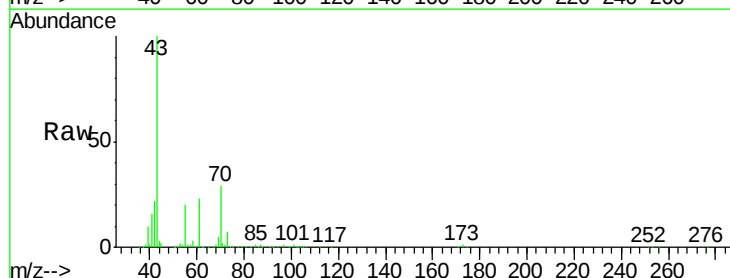
Ion Ratio Lower Upper

43 100

70 29.3 21.1 31.7

55 19.7 15.4 23.0

61 23.2 18.2 27.2

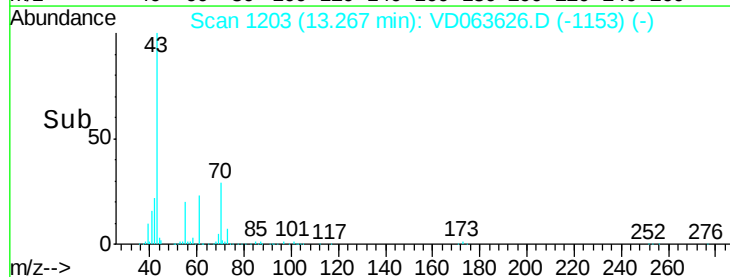
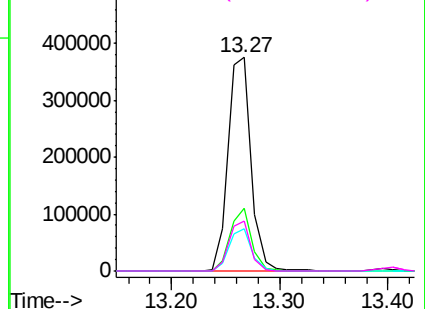


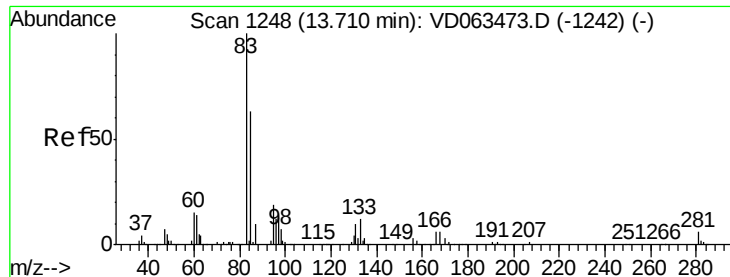
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.590 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

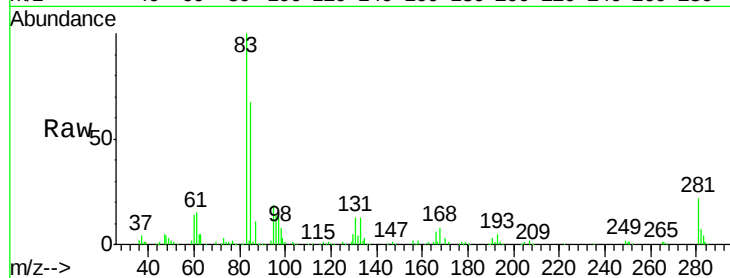
Tot Ion: 83 Resp: 376190

Ion Ratio Lower Upper

83 100

131 12.7 5.3 15.8

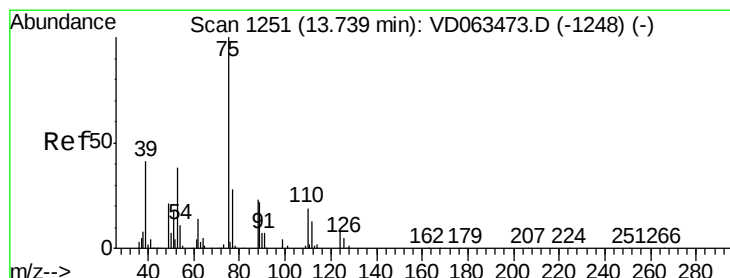
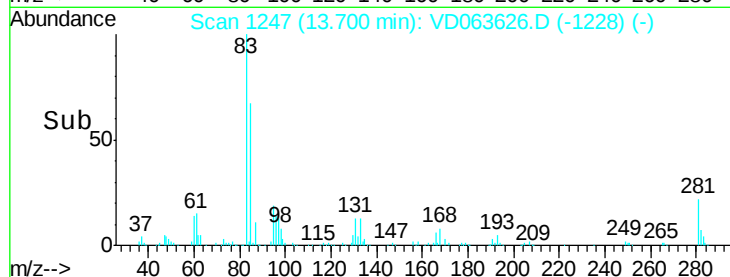
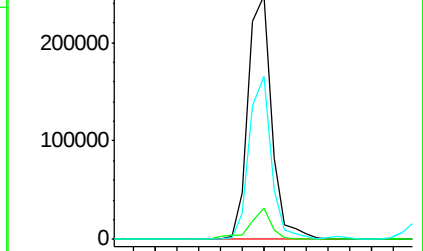
85 67.0 31.4 94.3



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: 55.980 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063626.D

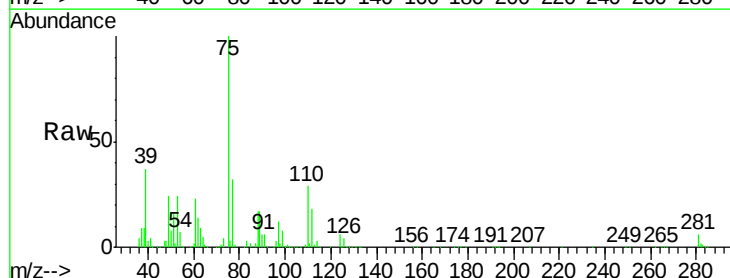
Acq: 16 Aug 2019 9:39

Tgt Ion: 75 Resp: 427186

Ion Ratio Lower Upper

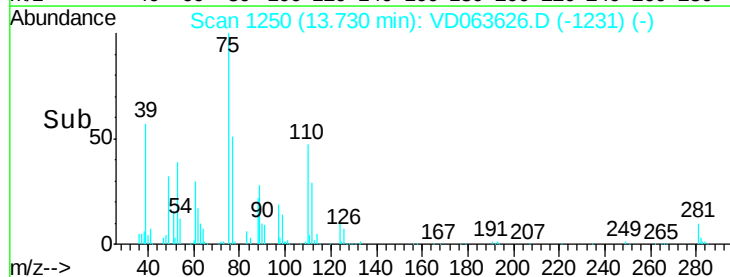
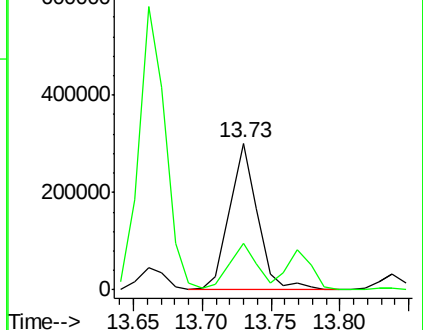
75 100

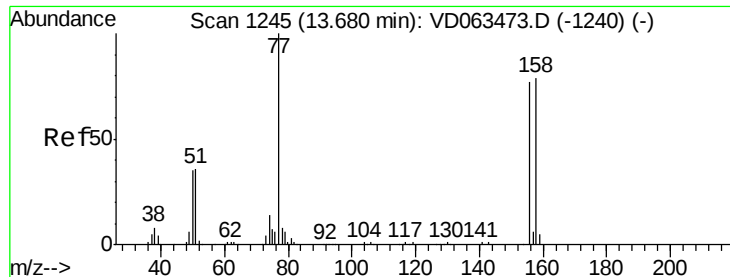
77 32.0 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

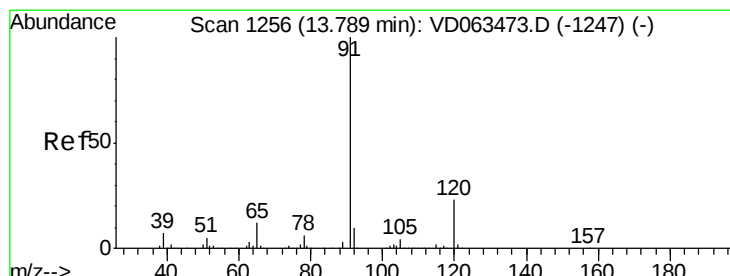
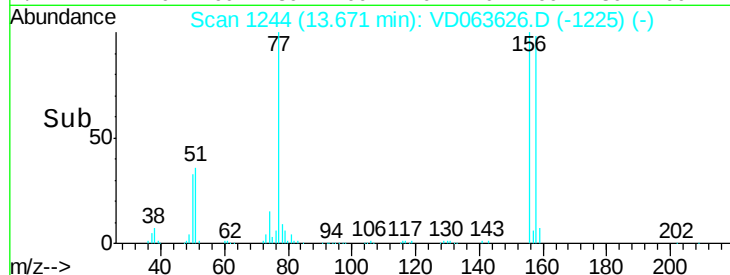
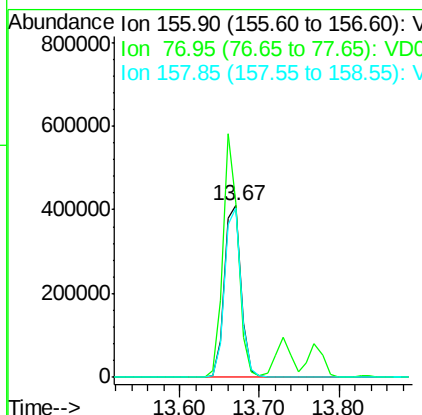
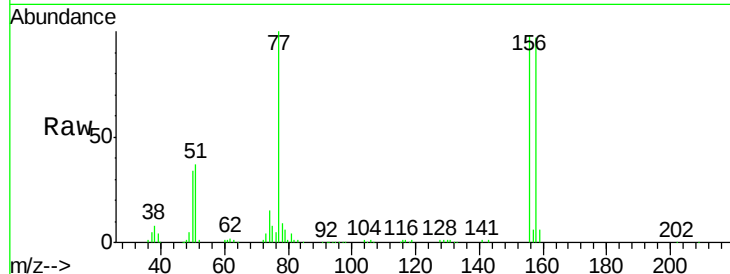




#77
Bromobenzene
Concen: 53.026 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

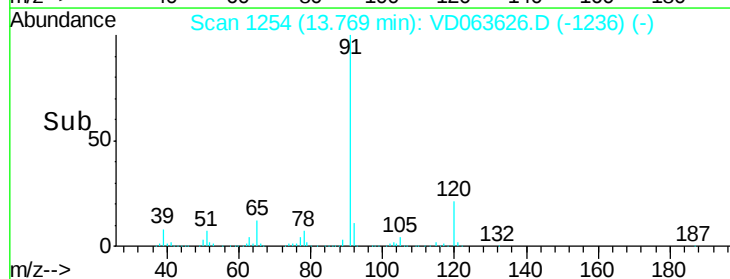
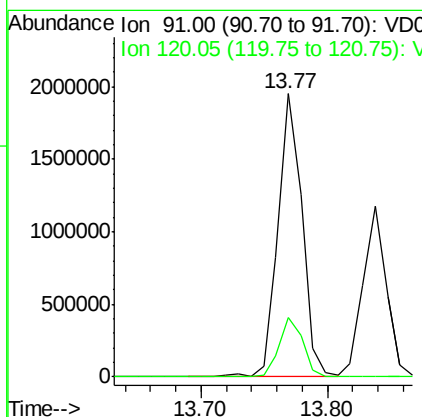
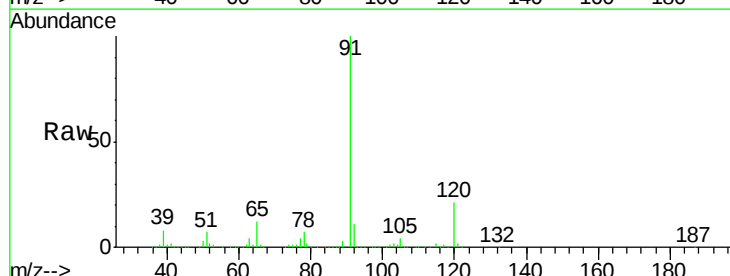
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

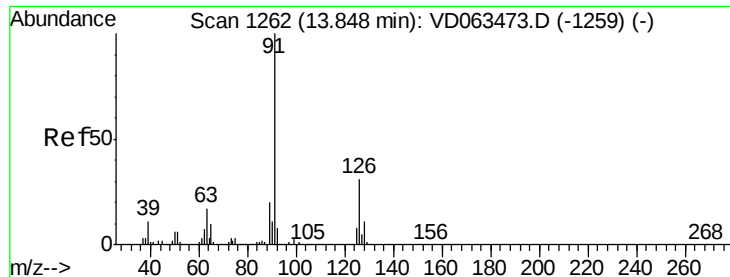
Tot Ion:156 Resp: 612910
Ion Ratio Lower Upper
156 100
77 101.6 64.6 193.8
158 98.4 50.9 152.7



#78
n-propylbenzene
Concen: 52.276 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion: 91 Resp: 2586810
Ion Ratio Lower Upper
91 100
120 20.8 11.3 33.9





#79

2-Chlorotoluene

Concen: 52.612 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

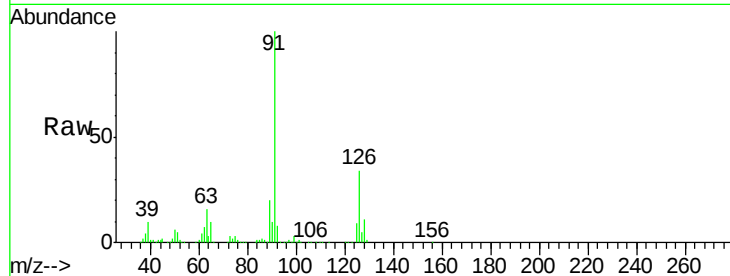
VSTDCCC050

Tot Ion: 91 Resp: 1501073

Ion Ratio Lower Upper

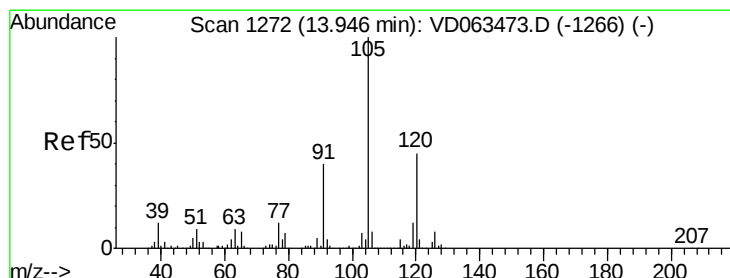
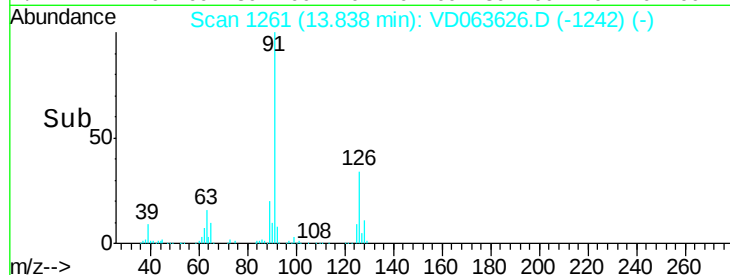
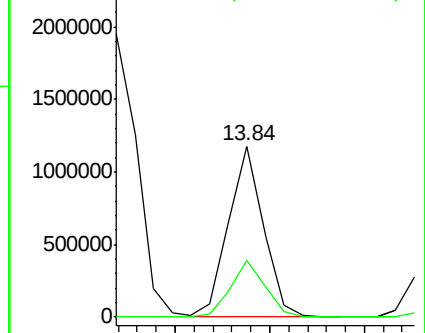
91 100

126 33.5 15.6 46.7



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: 49.506 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063626.D

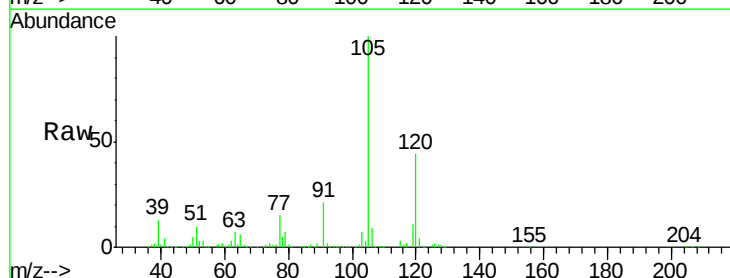
Acq: 16 Aug 2019 9:39

Tgt Ion:105 Resp: 1829370

Ion Ratio Lower Upper

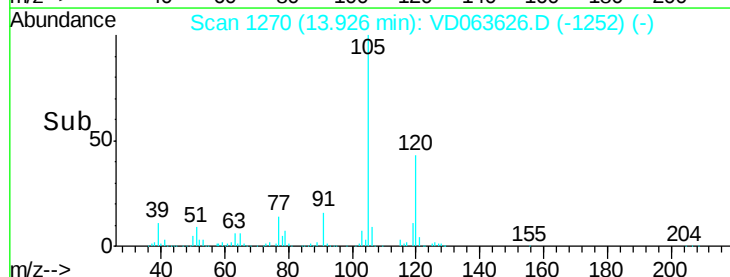
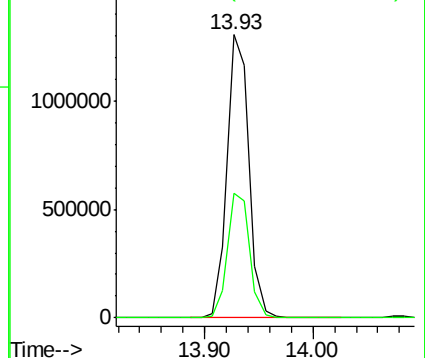
105 100

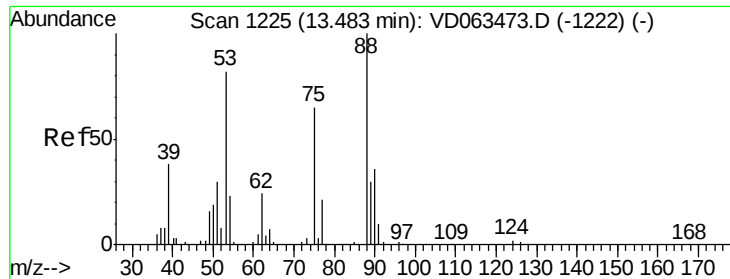
120 44.1 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.806 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

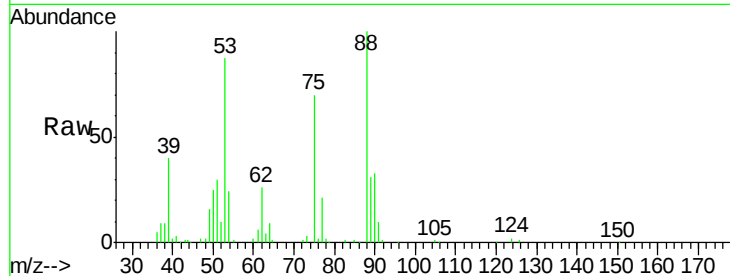
Tot Ion: 75 Resp: 108305

Ion Ratio Lower Upper

75 100

53 123.5 101.0 151.4

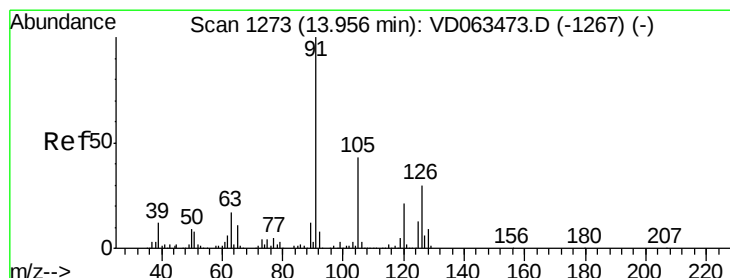
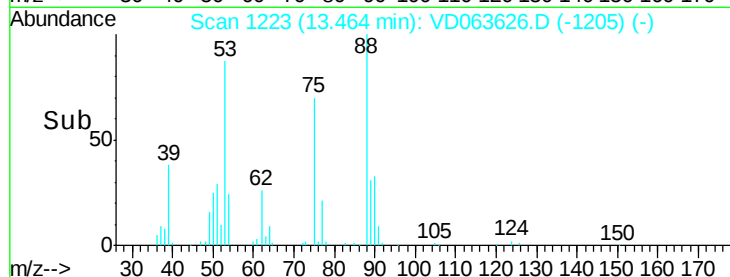
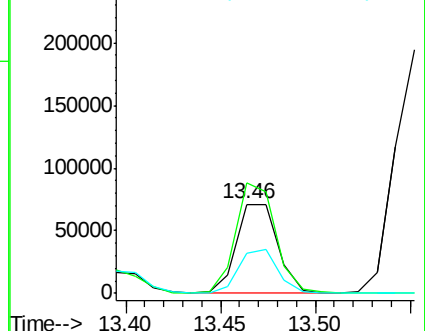
89 44.6 37.0 55.6



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: 49.911 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063626.D

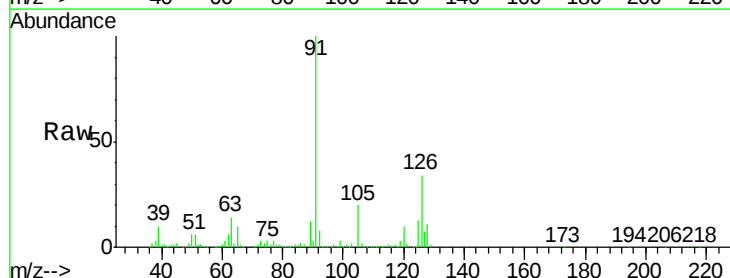
Acq: 16 Aug 2019 9:39

Tgt Ion: 91 Resp: 1712367

Ion Ratio Lower Upper

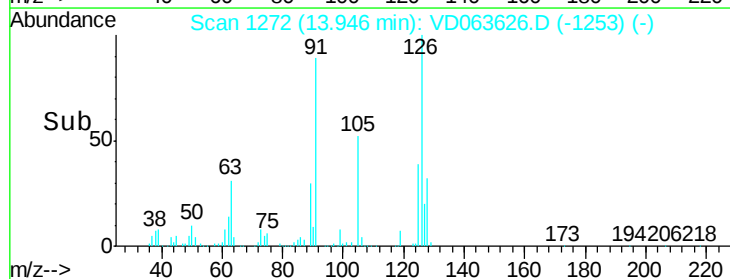
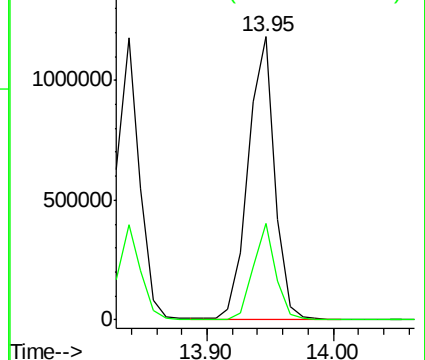
91 100

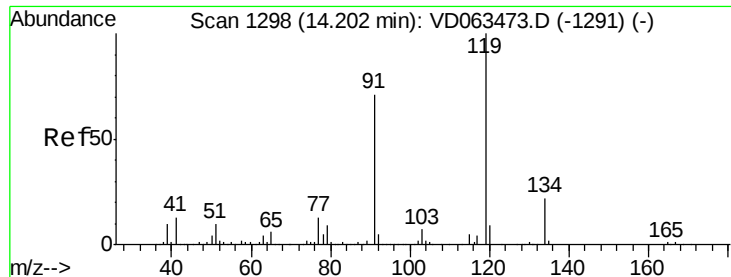
126 34.2 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 51.179 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

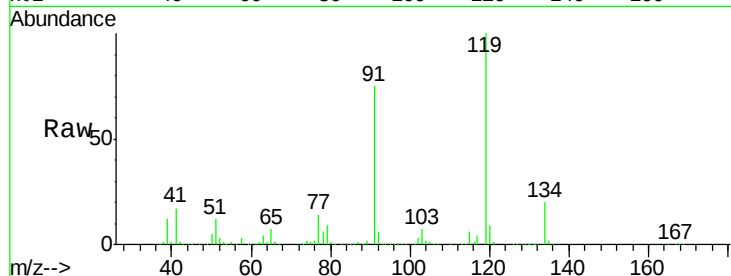
Tot Ion:119 Resp: 1991487

Ion Ratio Lower Upper

119 100

91 75.1 35.5 106.7

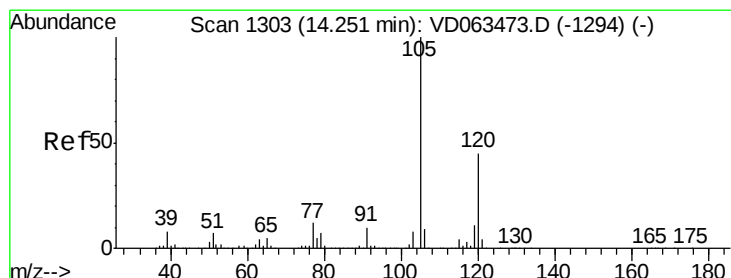
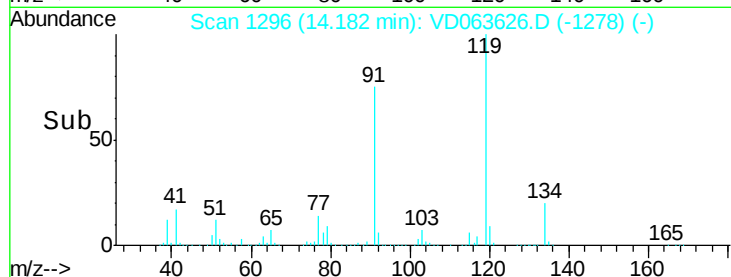
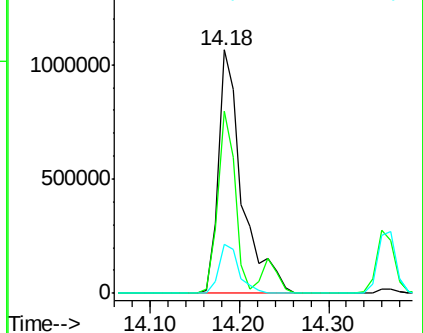
134 20.3 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.738 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.02 min

Lab File: VD063626.D

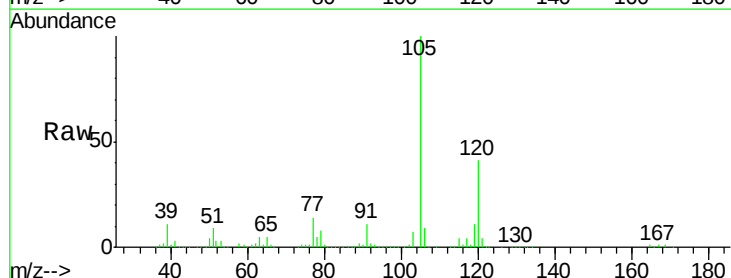
Acq: 16 Aug 2019 9:39

Tgt Ion:105 Resp: 1700591

Ion Ratio Lower Upper

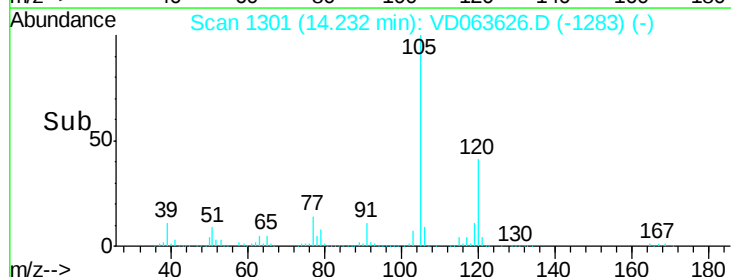
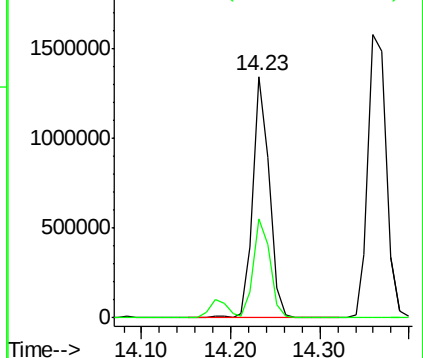
105 100

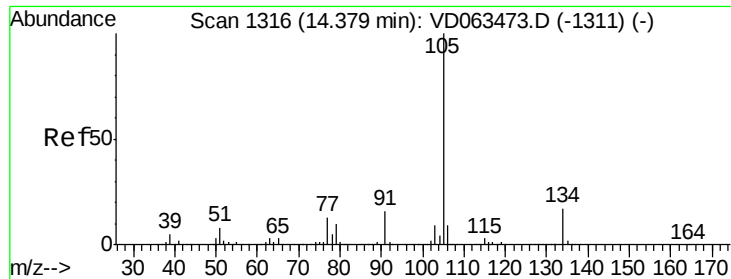
120 40.9 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 54.733 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

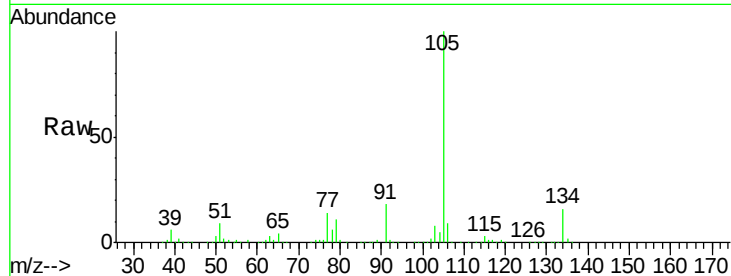
VSTDCCC050

Tot Ion:105 Resp: 2261779

Ion Ratio Lower Upper

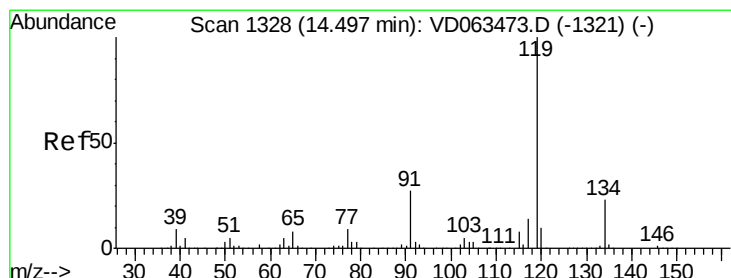
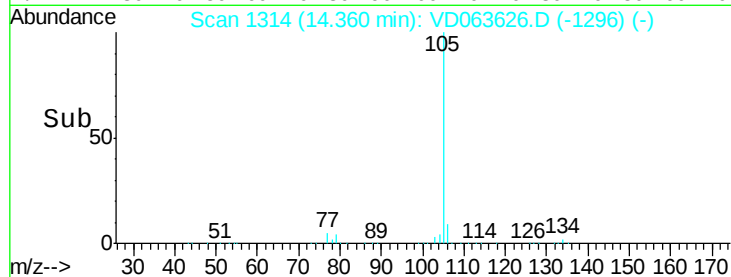
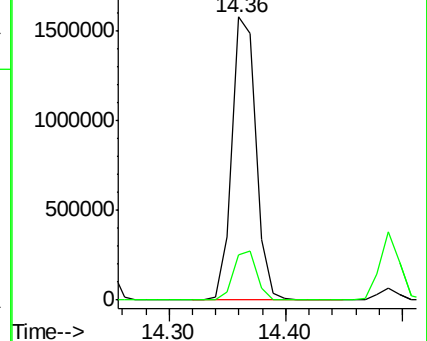
105 100

134 16.0 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.348 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

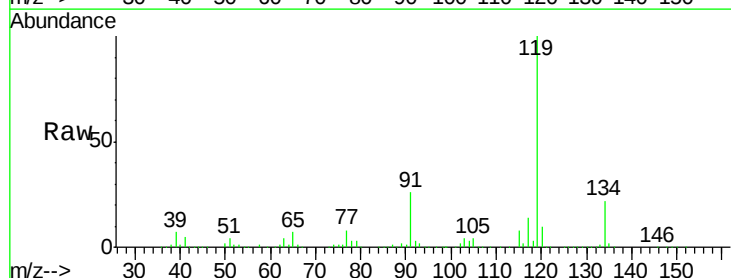
Tgt Ion:119 Resp: 2068349

Ion Ratio Lower Upper

119 100

134 22.1 11.3 33.8

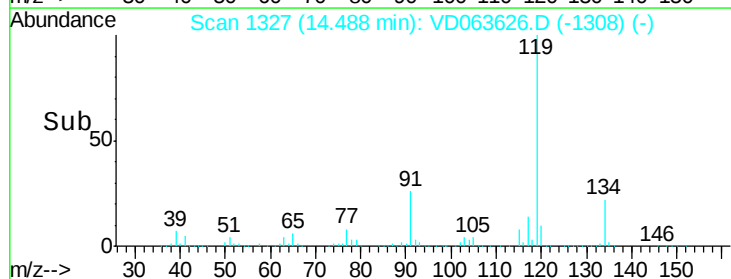
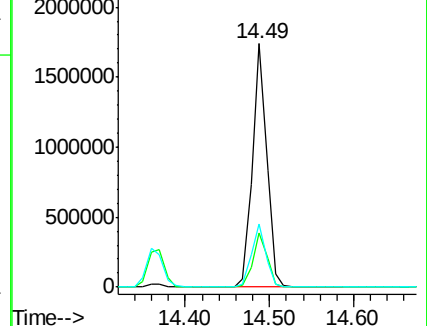
91 25.7 13.5 40.4

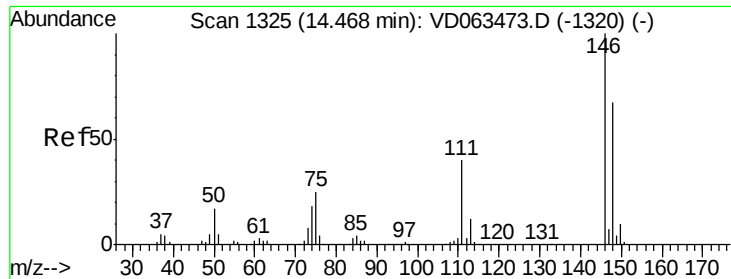


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

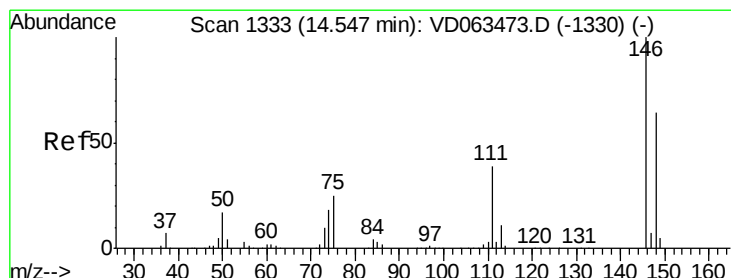
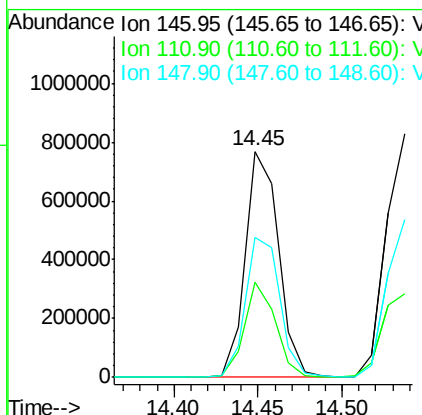
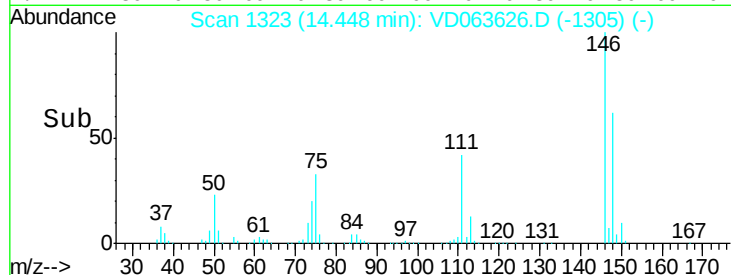
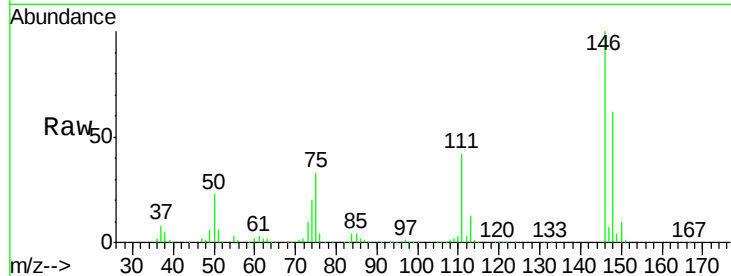




#87
 1,3-Dichlorobenzene
 Concen: 50.554 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

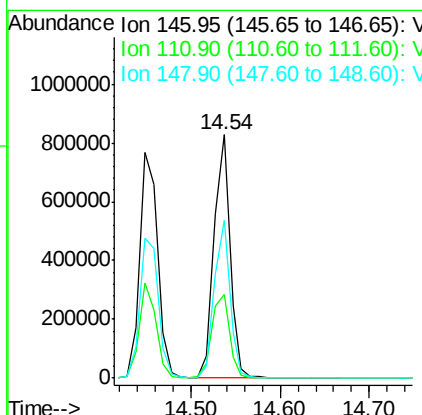
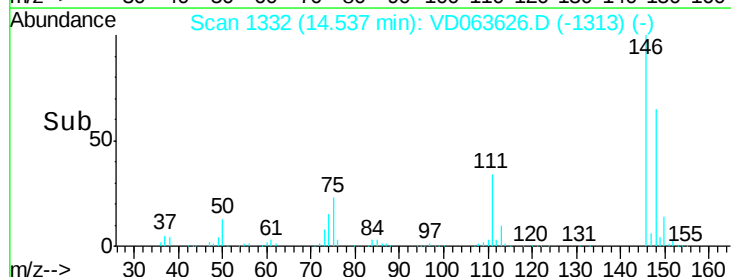
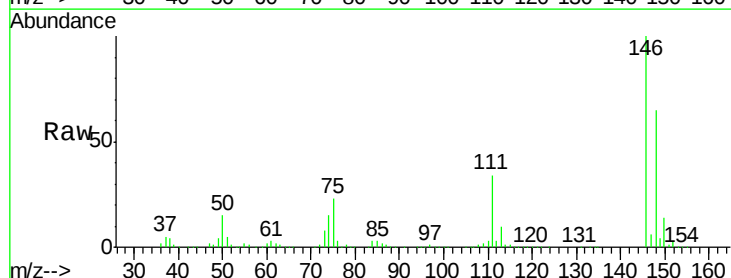
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

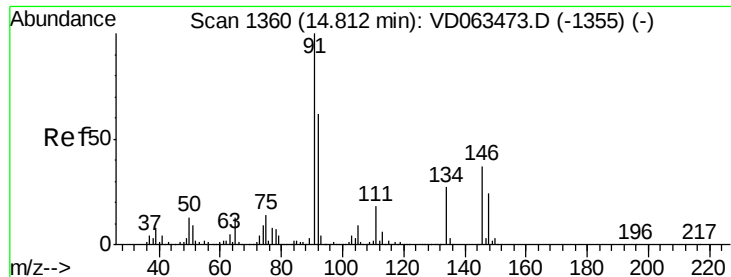
Tot Ion:146 Resp: 1056935
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.0 60.0
 148 61.9 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 51.849 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Tgt Ion:146 Resp: 1040028
 Ion Ratio Lower Upper
 146 100
 111 34.2 19.7 59.0
 148 64.8 32.1 96.3





#89

n-Butylbenzene

Concen: 54.070 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

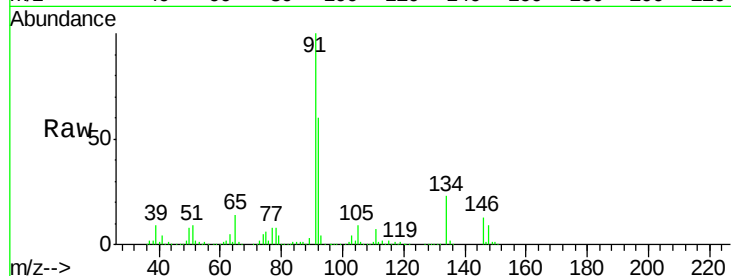
Tot Ion: 91 Resp: 1949837

Ion Ratio Lower Upper

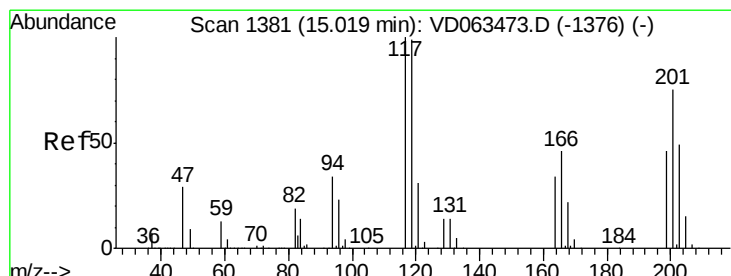
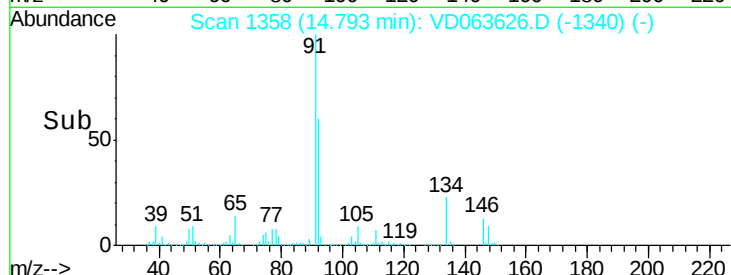
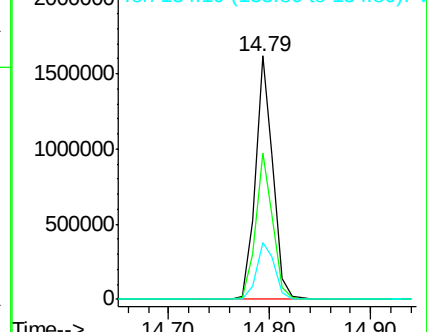
91 100

92 60.1 30.8 92.3

134 23.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.737 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063626.D

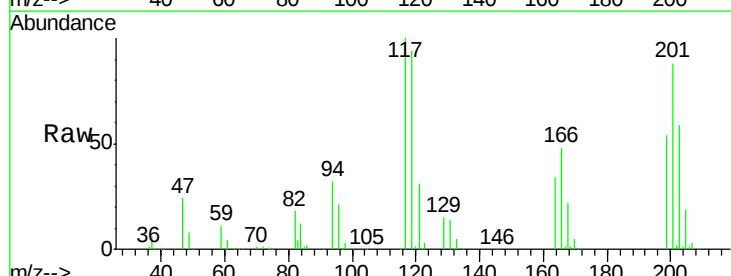
Acq: 16 Aug 2019 9:39

Tgt Ion: 117 Resp: 563462

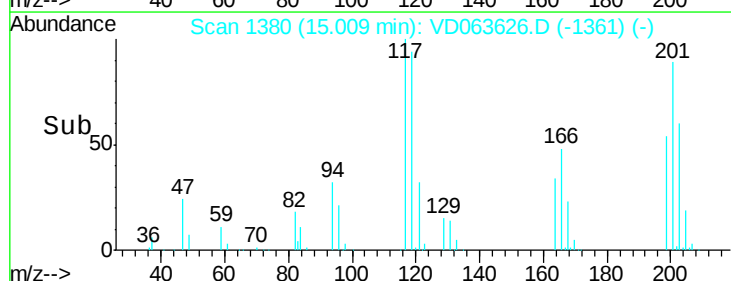
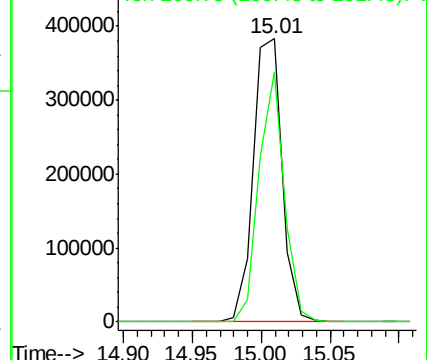
Ion Ratio Lower Upper

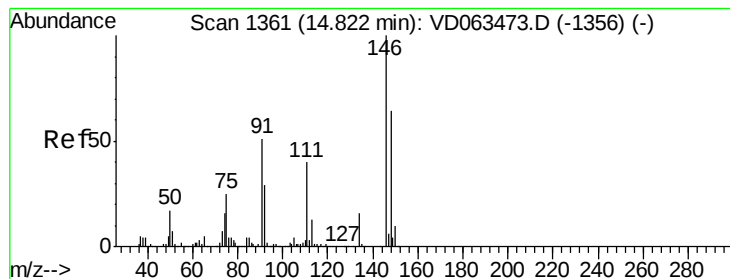
117 100

201 88.5 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 51.232 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

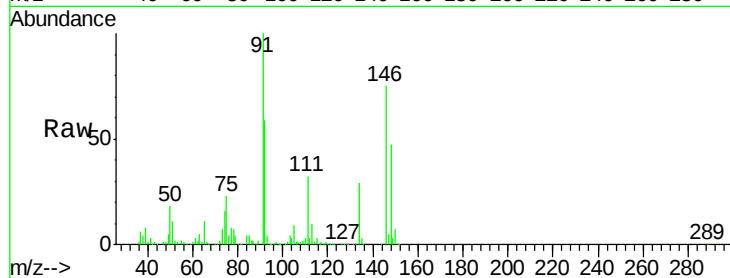
Tot Ion:146 Resp: 908773

Ion Ratio Lower Upper

146 100

111 42.4 20.2 60.6

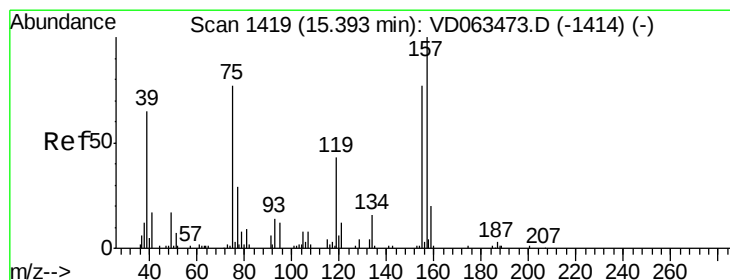
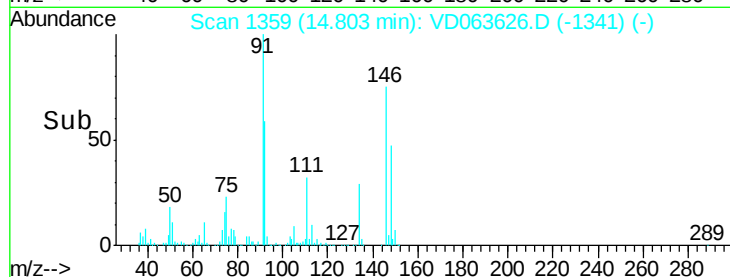
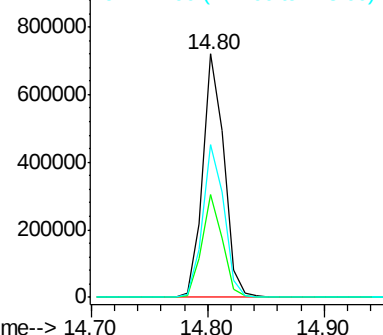
148 62.7 32.1 96.5



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: 54.221 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD063626.D

Acq: 16 Aug 2019 9:39

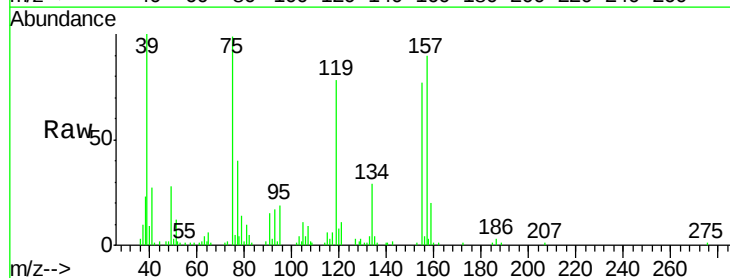
Tgt Ion: 75 Resp: 71667

Ion Ratio Lower Upper

75 100

155 77.1 50.1 150.3

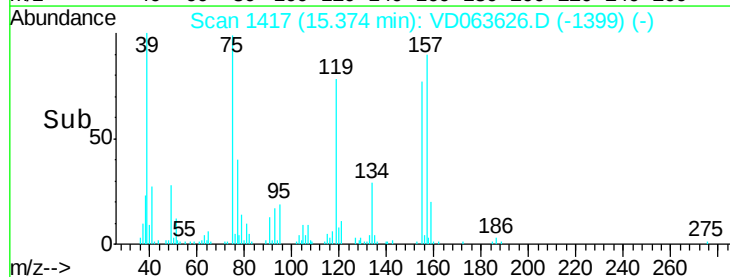
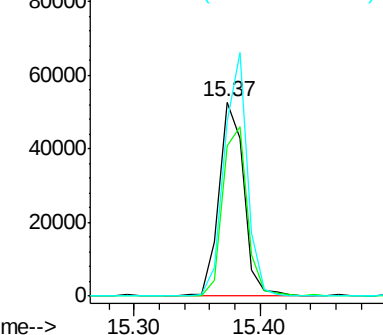
157 90.1 65.0 195.1

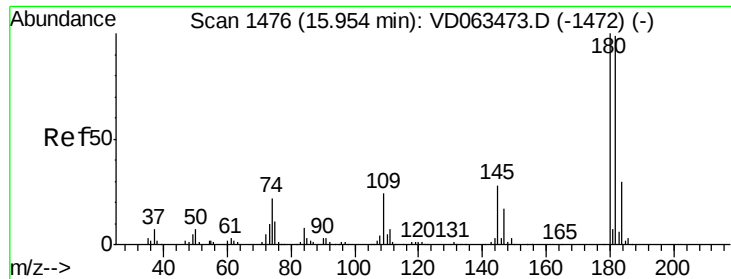


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

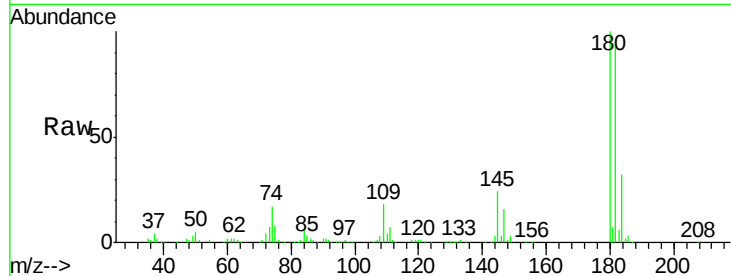




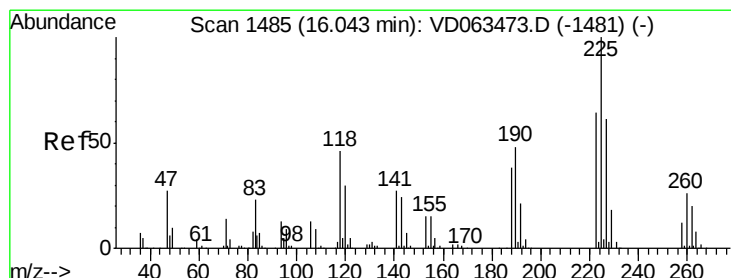
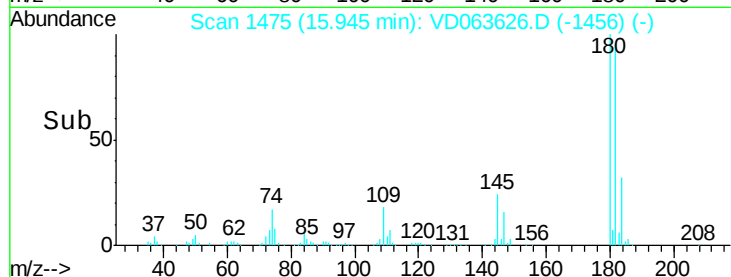
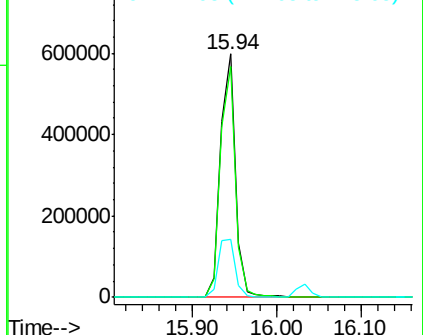
#93
 1,2,4-Trichlorobenzene
 Concen: 56.751 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 740738
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.7 149.1
 145 23.8 14.1 42.2

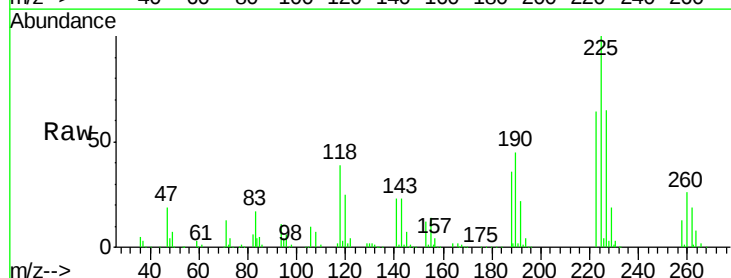


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

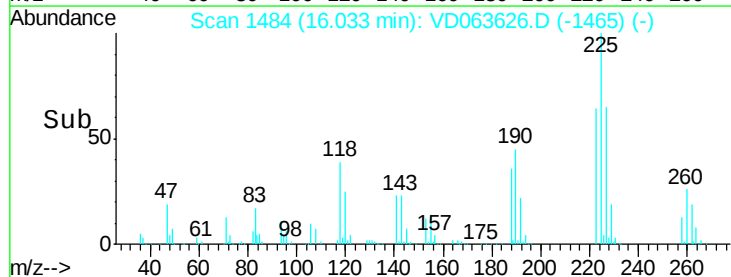
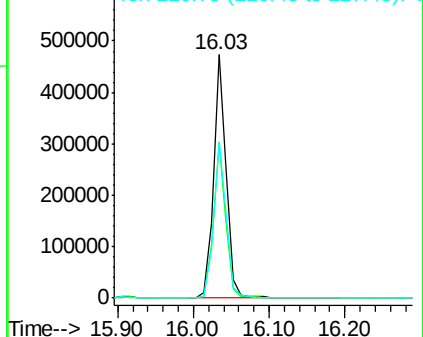


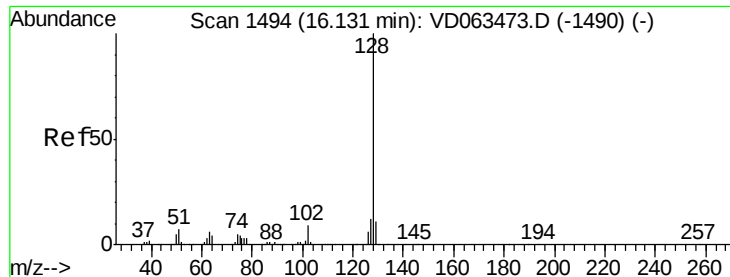
#94
 Hexachlorobutadiene
 Concen: 56.641 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063626.D
 Acq: 16 Aug 2019 9:39

Tgt Ion:225 Resp: 563450
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.5
 227 64.5 30.7 92.1



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

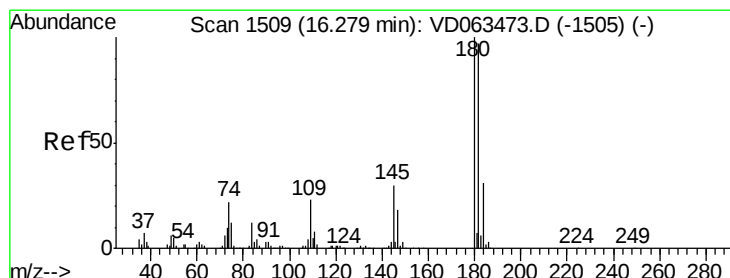
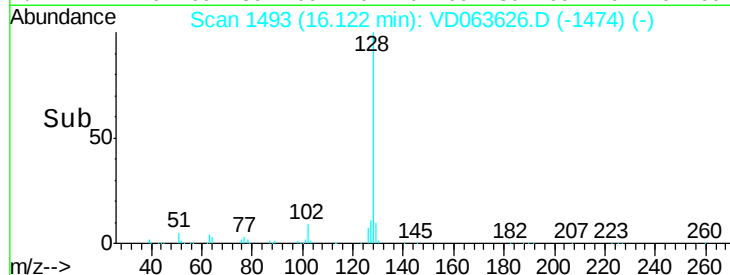
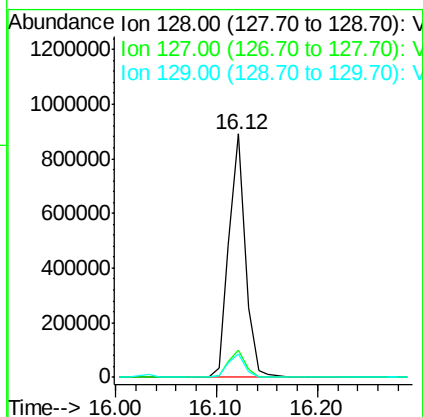
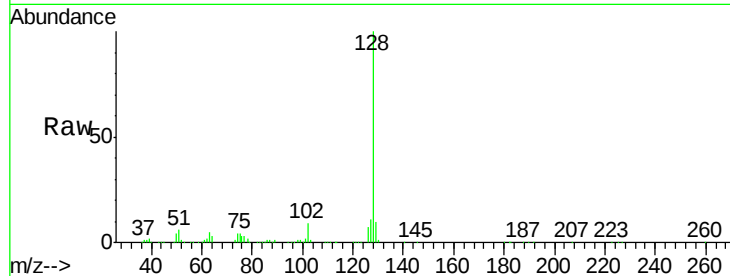




#95
Naphthalene
Concen: 51.528 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1019270
Ion Ratio Lower Upper
128 100
127 11.5 9.4 14.0
129 9.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 54.989 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063626.D
Acq: 16 Aug 2019 9:39

Tgt Ion:180 Resp: 579706
Ion Ratio Lower Upper
180 100
182 100.0 48.4 145.2
145 27.6 14.9 44.9

