

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063648.D
 Acq On : 16 Aug 2019 19:52
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 17 06:03:43 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	868255	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1207182	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1047407	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	546960	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	494846	53.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.64%	
35) Dibromofluoromethane	6.92	113	533379	52.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.40	98	1182958	52.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	13.55	95	555521	54.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	557320	53.056	ug/l	93
3) Chloromethane	1.74	50	405263	49.379	ug/l	96
4) Vinyl Chloride	1.85	62	444429	54.549	ug/l	99
5) Bromomethane	2.14	94	235658	61.300	ug/l	97
6) Chloroethane	2.26	64	203526	54.627	ug/l	96
7) Trichlorofluoromethane	2.53	101	956135	59.829	ug/l	97
8) Diethyl Ether	2.87	74	128279	56.852	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	505705	53.591	ug/l	98
10) Methyl Iodide	3.29	142	693138	51.914	ug/l	95
11) Tert butyl alcohol	4.06	59	109966	272.180	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	364021	51.886	ug/l	87
13) Acrolein	3.03	56	91059	228.974	ug/l	97
14) Allyl chloride	3.61	41	579109	54.908	ug/l	92
15) Acrylonitrile	4.19	53	269344	251.688	ug/l #	88
16) Acetone	3.22	43	408450	216.496	ug/l	94
17) Carbon Disulfide	3.36	76	1128863	50.982	ug/l	98
18) Methyl Acetate	3.64	43	192062	53.745	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	796490	56.767	ug/l	100
20) Methylene Chloride	3.81	84	370619	45.430	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	406320	55.035	ug/l	98
22) Diisopropyl ether	5.11	45	1144161	52.572	ug/l	93
23) Vinyl Acetate	5.05	43	3447070	272.443	ug/l	99
24) 1,1-Dichloroethane	4.97	63	732316	54.252	ug/l	98
25) 2-Butanone	6.06	43	460821	247.313	ug/l	93
26) 2,2-Dichloropropane	6.02	77	717344	53.354	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	431113	53.372	ug/l	87
28) Bromochloromethane	6.42	49	292409	53.449	ug/l	95
29) Tetrahydrofuran	6.45	42	239640	276.001	ug/l	96
30) Chloroform	6.66	83	959863	57.208	ug/l	92
31) Cyclohexane	6.95	56	442727	52.831	ug/l	89
32) 1,1,1-Trichloroethane	6.86	97	911216	56.774	ug/l	99
36) 1,1-Dichloropropene	7.14	75	597609	55.999	ug/l	99
37) Ethyl Acetate	6.18	43	230633	51.575	ug/l	99
38) Carbon Tetrachloride	7.10	117	994207	61.815	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	498976	54.986	ug/l	96
40) Benzene	7.45	78	1251829	53.304	ug/l	96
41) Methacrylonitrile	6.44	41	322081	57.203	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	666829	56.469	ug/l	98
43) Isopropyl Acetate	9.24	43	319026	53.267	ug/l #	97
44) Trichloroethene	8.53	130	491340	54.737	ug/l	88
45) 1,2-Dichloropropane	8.94	63	307761	56.273	ug/l	97
46) Dibromomethane	9.05	93	264642	56.663	ug/l	96
47) Bromodichloromethane	9.37	83	716409	59.800	ug/l	97
48) Methyl methacrylate	9.11	41	226030	55.649	ug/l	93
49) 1,4-Dioxane	9.08	88	38988	1073.068	ug/l #	82
51) 4-Methyl-2-Pentanone	10.29	43	1123819	274.221	ug/l	95
52) Toluene	10.50	92	843407	55.757	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	565298	57.819	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	579425	52.559	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	284916	55.761	ug/l	98
56) Ethyl methacrylate	11.04	69	314506	56.709	ug/l	96
57) 1,3-Dichloropropane	11.41	76	452918	58.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	862387	294.540	ug/l	98
59) 2-Hexanone	11.53	43	793249	266.015	ug/l	95
60) Dibromochloromethane	11.68	129	559458	60.171	ug/l	97
61) 1,2-Dibromoethane	11.80	107	350908	56.729	ug/l	100
64) Tetrachloroethene	11.25	164	450160	55.674	ug/l	92
65) Chlorobenzene	12.39	112	1081668	55.100	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	481294	55.709	ug/l	97
67) Ethyl Benzene	12.52	91	1921133	56.283	ug/l	97
68) m/p-Xylenes	12.67	106	1392948	116.155	ug/l	93
69) o-Xylene	13.05	106	640825	55.521	ug/l	93
70) Styrene	13.07	104	1081624	52.683	ug/l	99
71) Bromoform	13.23	173	339976	57.389	ug/l #	98
73) Isopropylbenzene	13.40	105	1903260	54.708	ug/l	97
74) N-amyl acetate	13.27	43	485686	55.613	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	315569	54.649	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	357163	56.898	ug/l	94
77) Bromobenzene	13.67	156	545010	57.320	ug/l	89
78) n-propylbenzene	13.77	91	2225952	54.685	ug/l	94
79) 2-Chlorotoluene	13.84	91	1345258	57.319	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1667425	54.855	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	91533	54.252	ug/l	93
82) 4-Chlorotoluene	13.95	91	1610782	57.075	ug/l	99
83) tert-Butylbenzene	14.19	119	1911274	59.710	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1572850	55.923	ug/l	95
85) sec-Butylbenzene	14.37	105	1963393	57.759	ug/l	97
86) p-Isopropyltoluene	14.49	119	1780930	54.794	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	945333	54.966	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	928619	56.278	ug/l	98
89) n-Butylbenzene	14.79	91	1614496	54.426	ug/l	93
90) Hexachloroethane	15.01	117	485882	59.476	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	759114	52.024	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	58810	54.089	ug/l	72

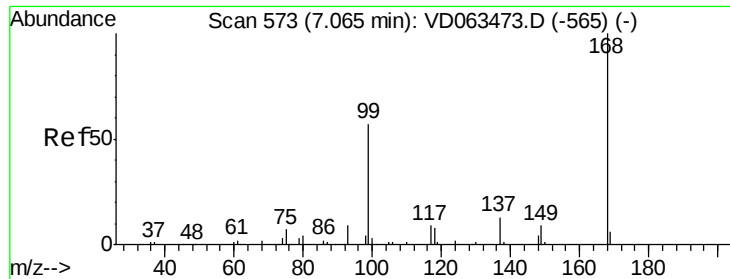
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	642864	59.874	ug/l	96
94) Hexachlorobutadiene	16.03	225	472840	57.783	ug/l	98
95) Naphthalene	16.12	128	883039	54.268	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	518822	59.827	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: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

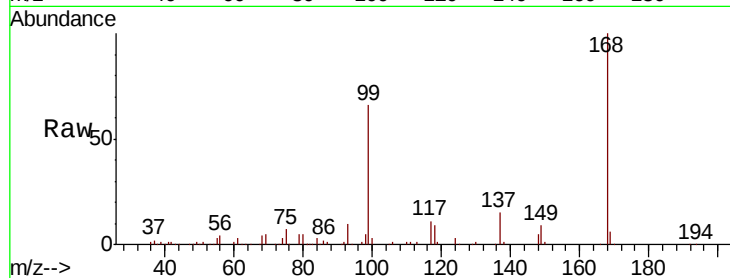
VSTDCCC050EC

Tgt Ion:168 Resp: 868255

Ion Ratio Lower Upper

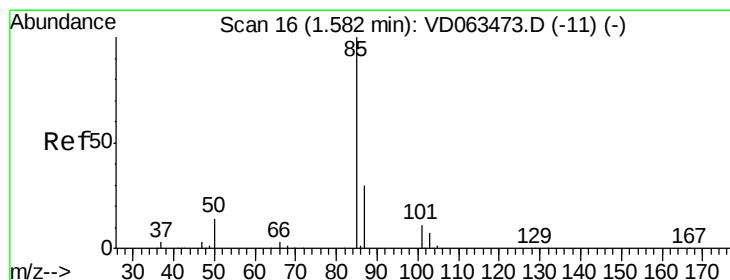
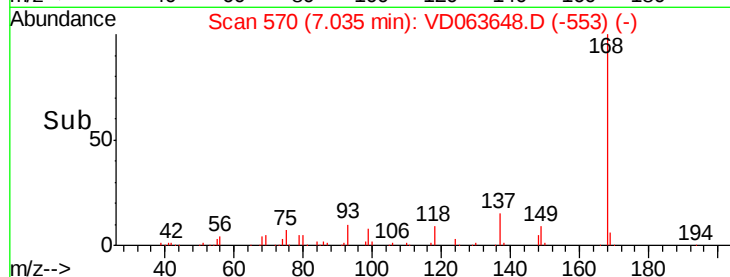
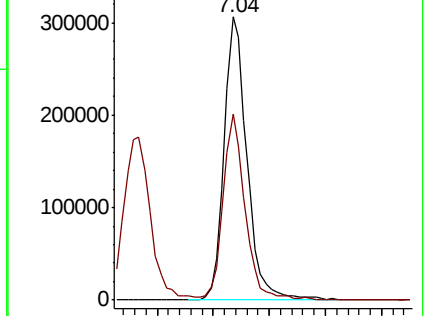
168 100

99 65.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.056 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063648.D

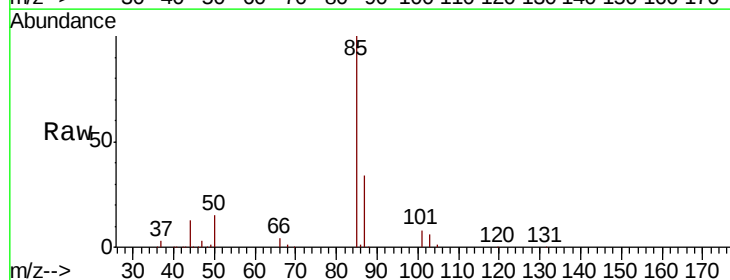
Acq: 16 Aug 2019 19:52

Tgt Ion: 85 Resp: 557320

Ion Ratio Lower Upper

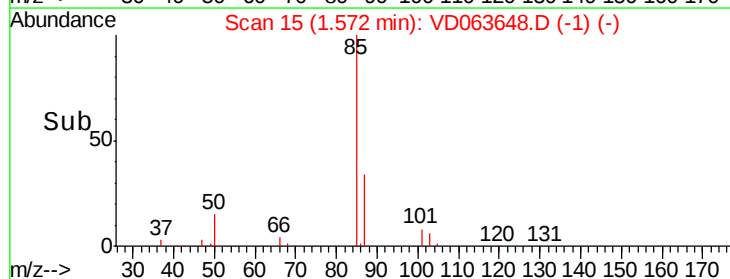
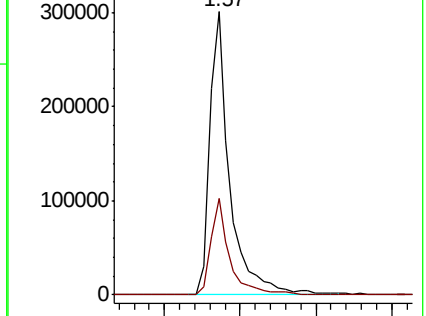
85 100

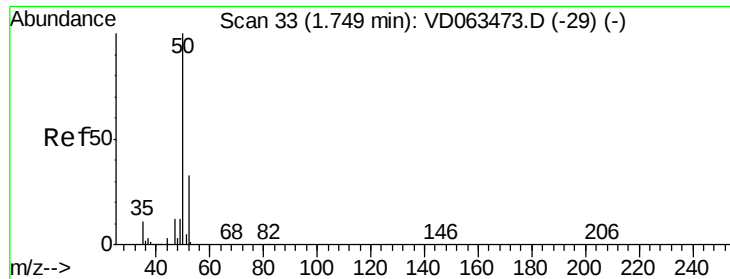
87 34.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.379 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

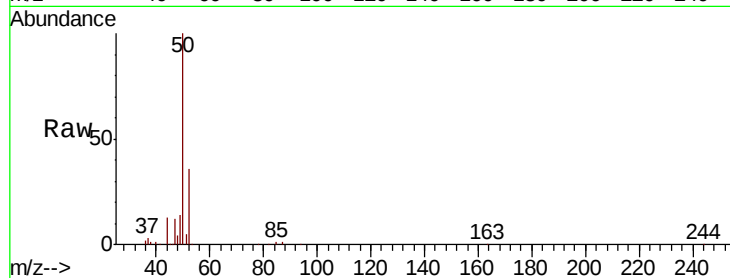
VSTDCCC050EC

Tgt Ion: 50 Resp: 405263

Ion Ratio Lower Upper

50 100

52 35.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

150000

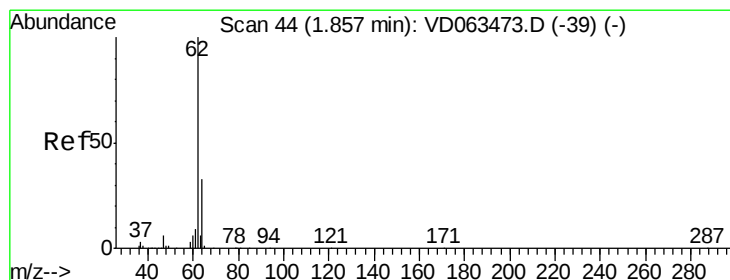
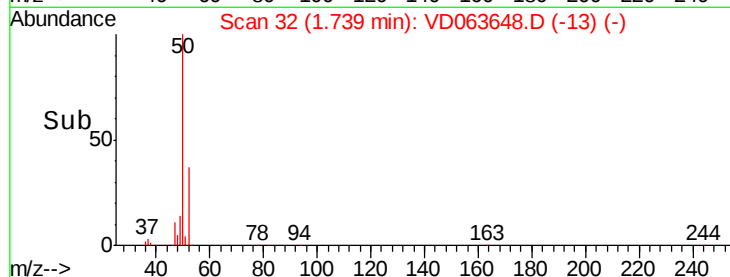
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 54.549 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063648.D

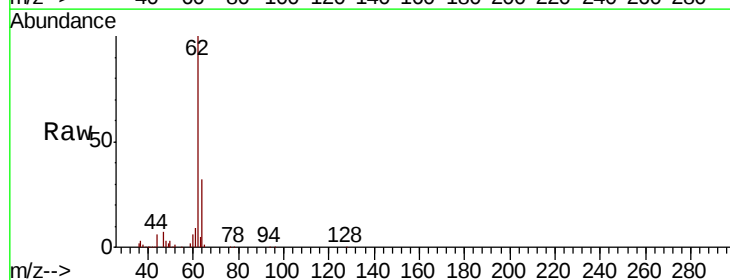
Acq: 16 Aug 2019 19:52

Tgt Ion: 62 Resp: 444429

Ion Ratio Lower Upper

62 100

64 32.2 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

250000

200000

150000

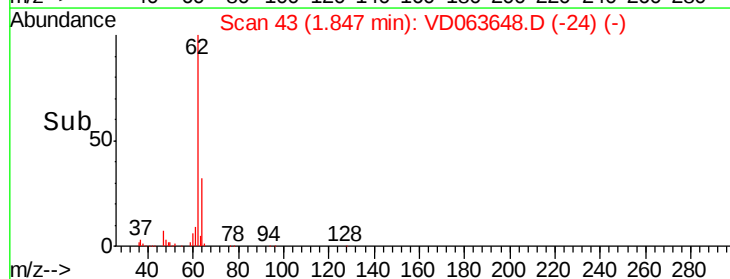
100000

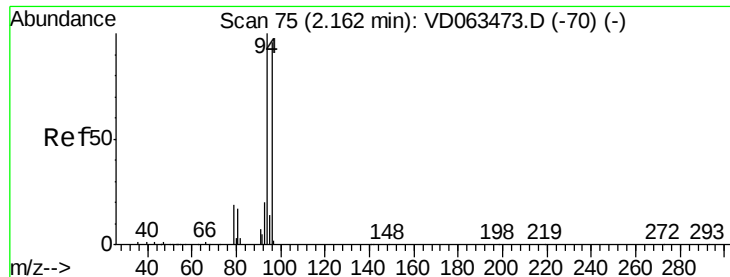
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 61.300 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

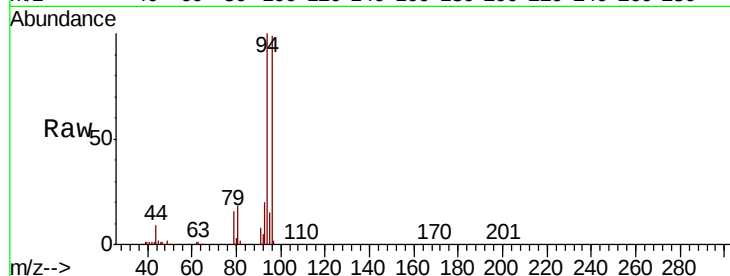
Tgt Ion: 94 Resp: 235658

Ion Ratio Lower Upper

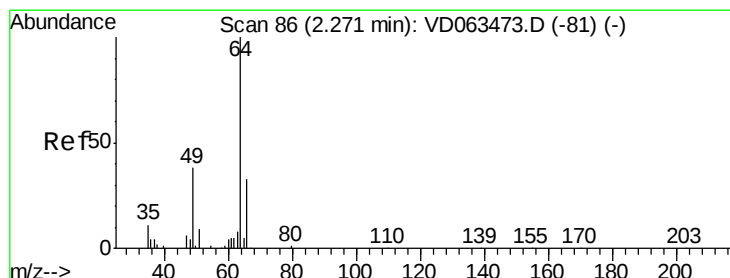
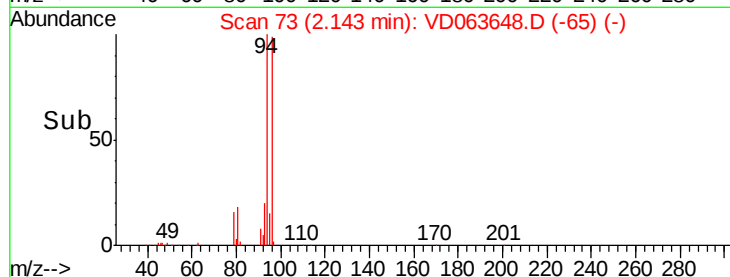
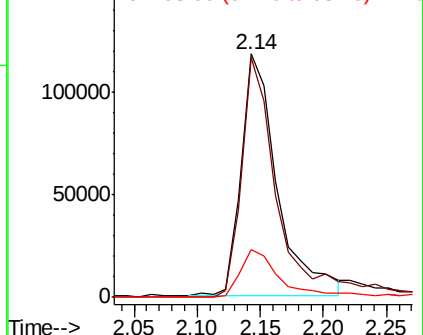
94 100

96 98.5 76.5 114.7

93 19.8 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



#6

Chloroethane

Concen: 54.627 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063648.D

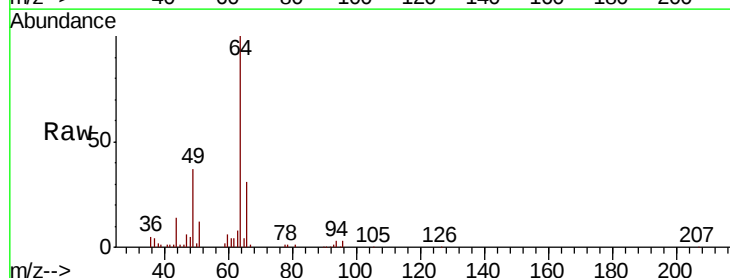
Acq: 16 Aug 2019 19:52

Tgt Ion: 64 Resp: 203526

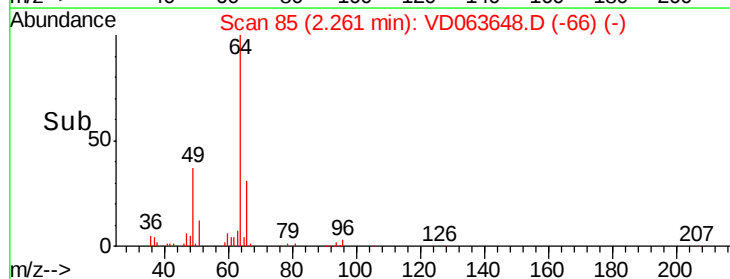
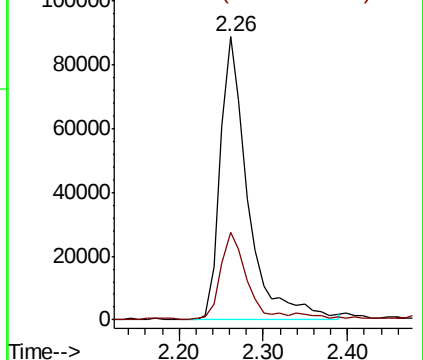
Ion Ratio Lower Upper

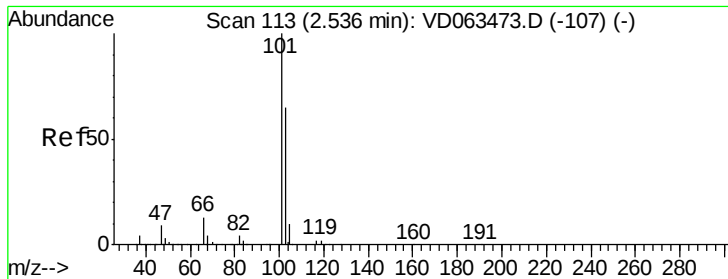
64 100

66 30.9 26.3 39.5



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



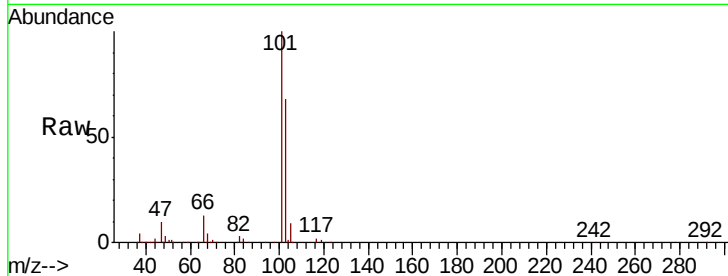


#7

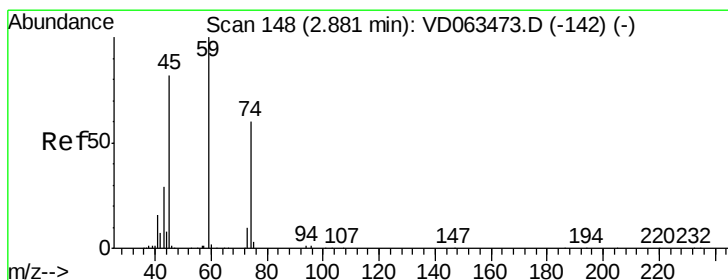
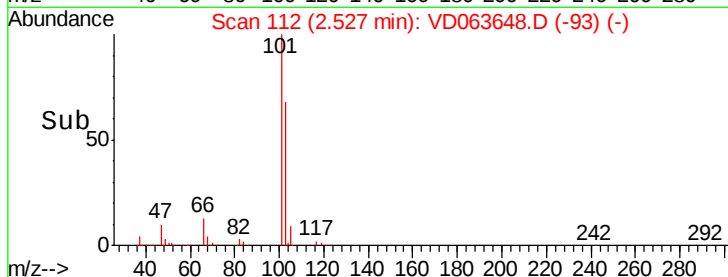
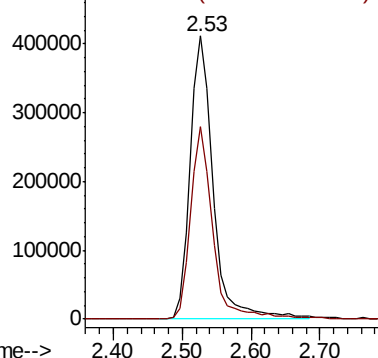
Trichlorofluoromethane
 Concen: 59.829 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Instrument :
 MSVOA_D
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 VSTDCCC050EC

Tgt Ion: 101 Resp: 956135
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.2 78.4



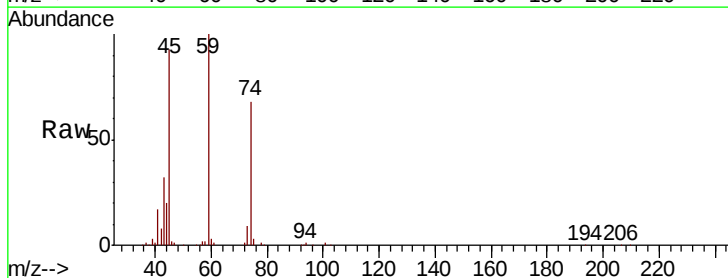
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



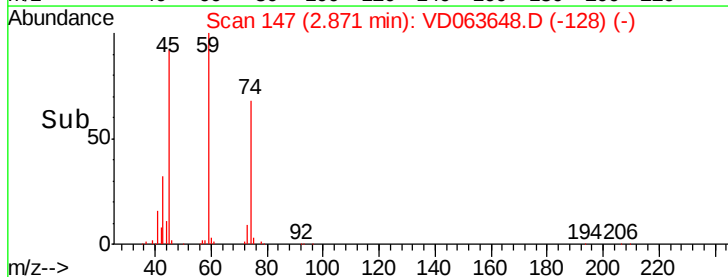
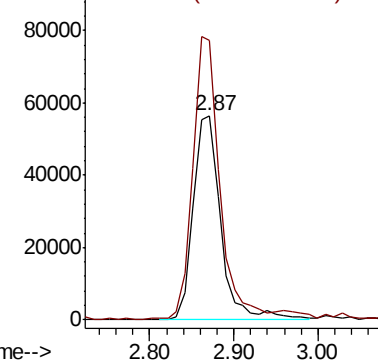
#8

Diethyl Ether
 Concen: 56.852 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 74 Resp: 128279
 Ion Ratio Lower Upper
 74 100
 45 137.0 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.591 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

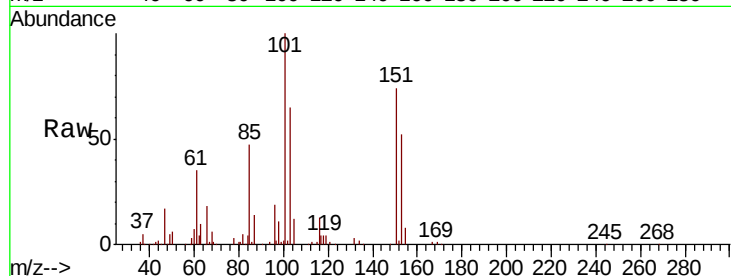
Tgt Ion:101 Resp: 505705

Ion Ratio Lower Upper

101 100

85 47.5 35.8 53.6

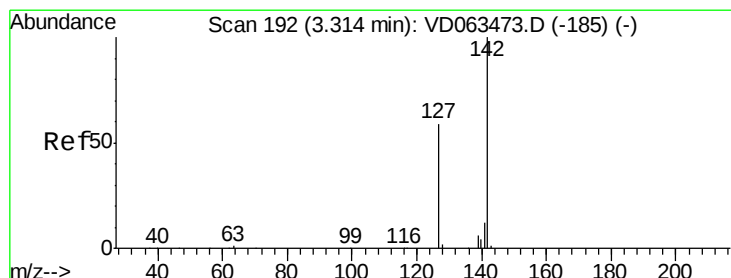
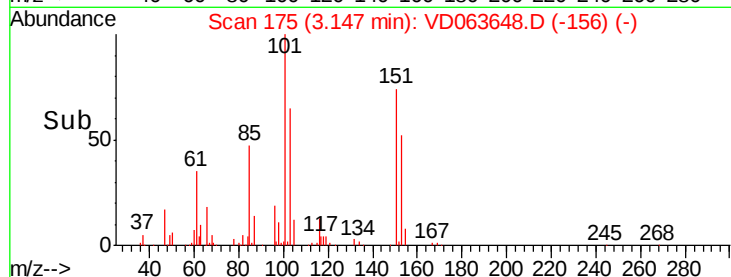
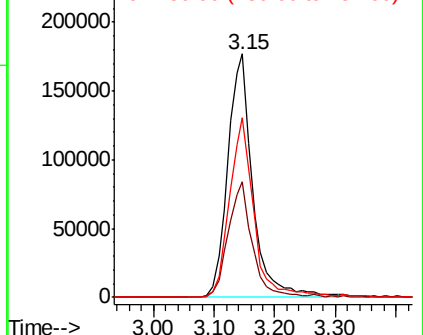
151 73.6 58.6 88.0



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: 51.914 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

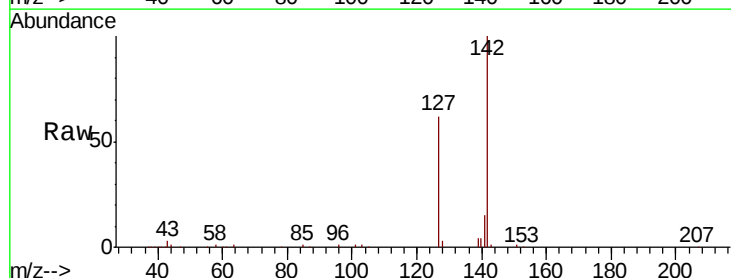
Tgt Ion:142 Resp: 693138

Ion Ratio Lower Upper

142 100

127 62.4 47.2 70.8

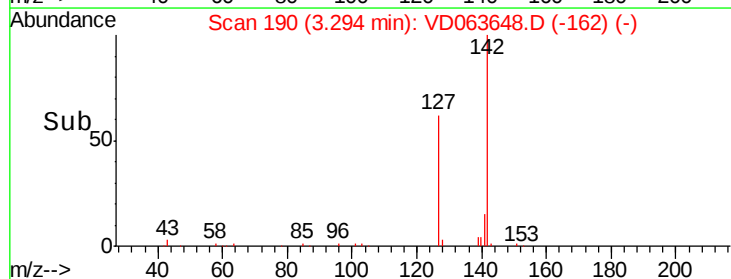
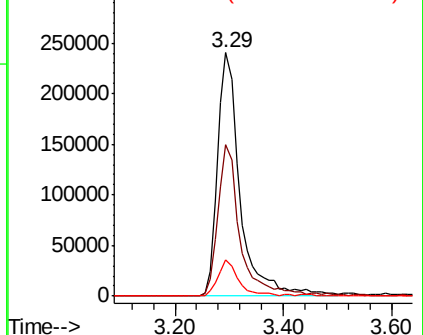
141 14.8 9.8 14.8

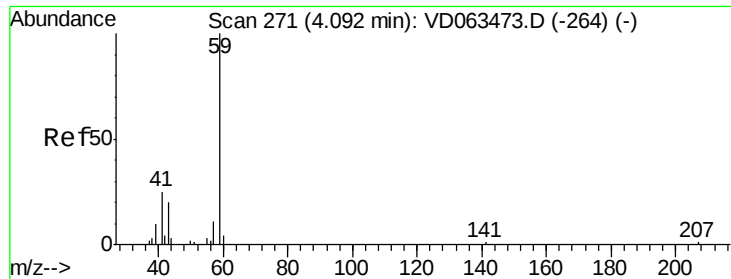


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



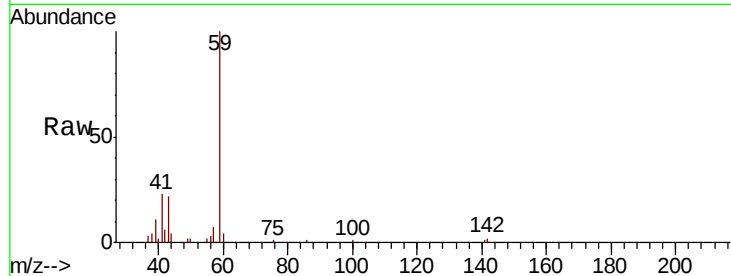


#11

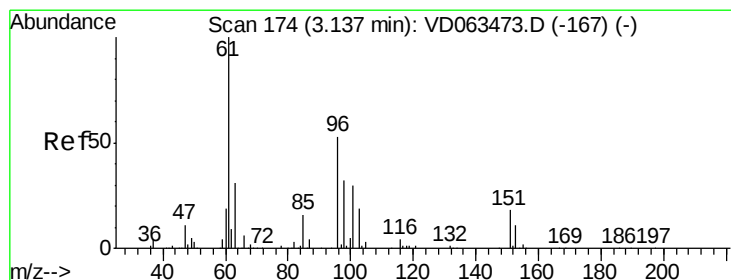
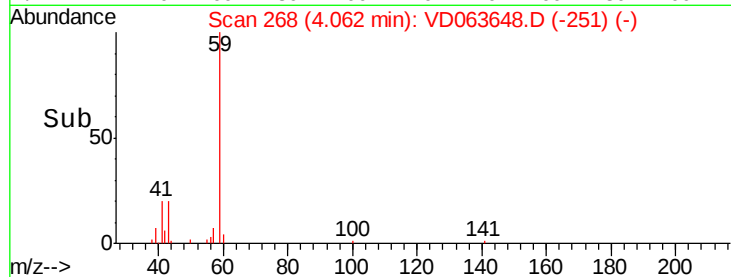
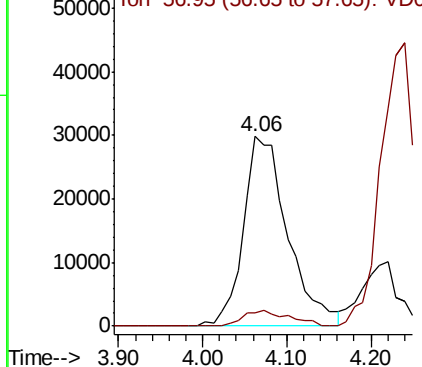
Tert butyl alcohol
Concen: 272.180 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.03 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 109966
Ion Ratio Lower Upper
59 100
57 7.3 8.7 13.1#



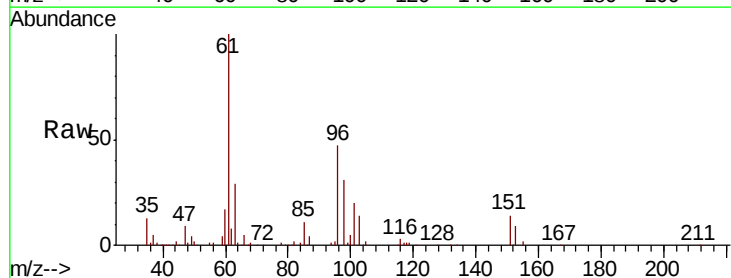
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



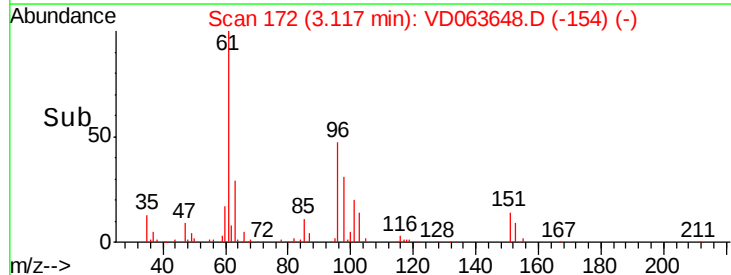
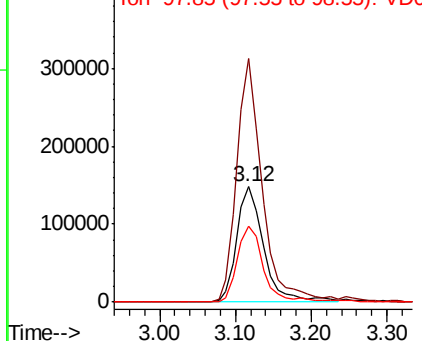
#12

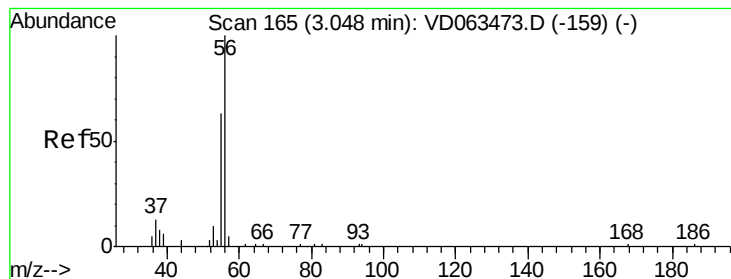
1,1-Dichloroethene
Concen: 51.886 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 96 Resp: 364021
Ion Ratio Lower Upper
96 100
61 211.3 151.7 227.5
98 65.9 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





#13

Acrolein

Concen: 228.974 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

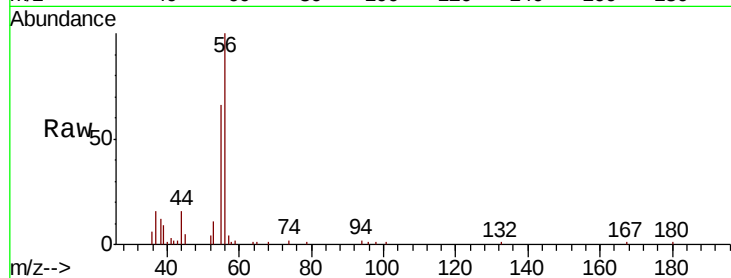
VSTDCCC050EC

Tgt Ion: 56 Resp: 91059

Ion Ratio Lower Upper

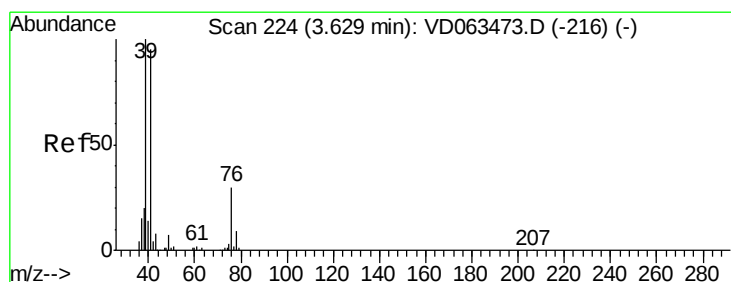
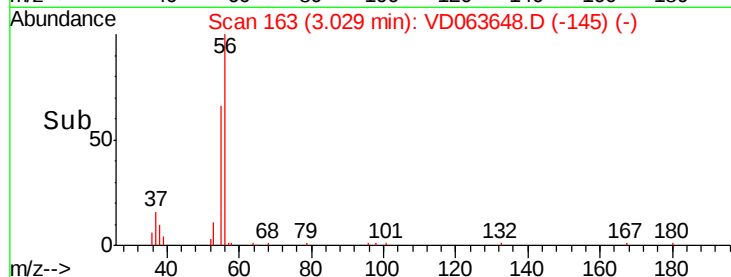
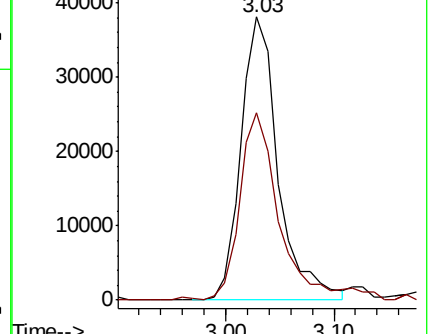
56 100

55 66.1 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.908 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

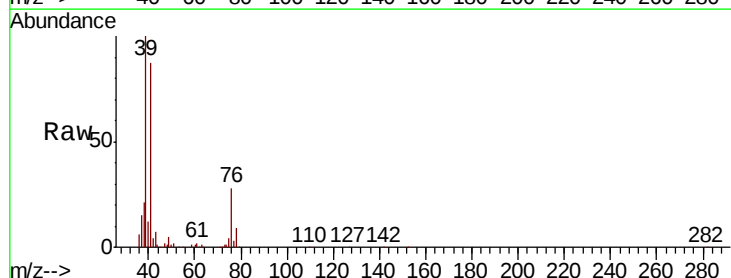
Tgt Ion: 41 Resp: 579109

Ion Ratio Lower Upper

41 100

39 115.5 84.2 126.4

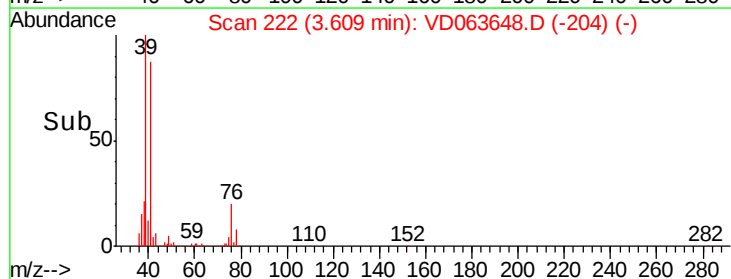
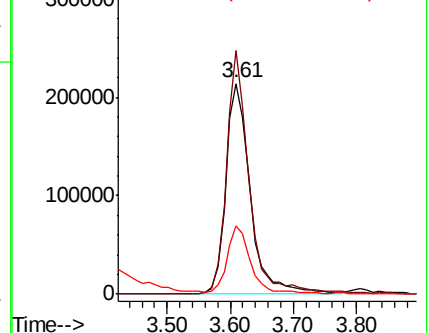
76 32.2 26.0 39.0

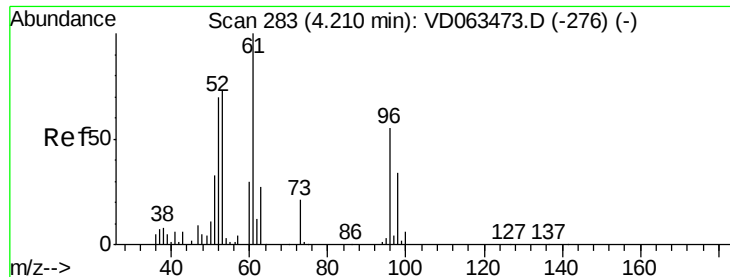


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

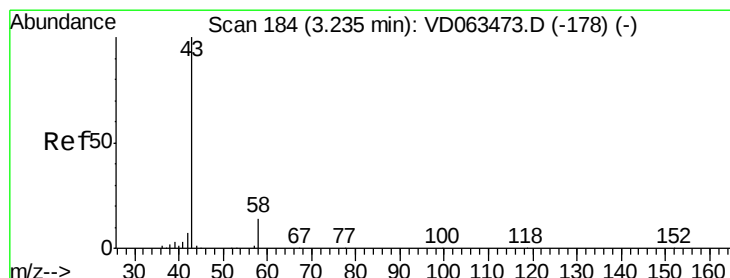
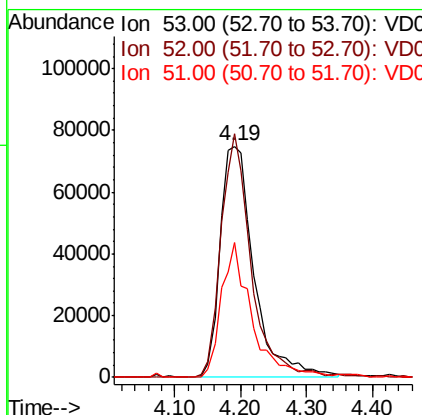
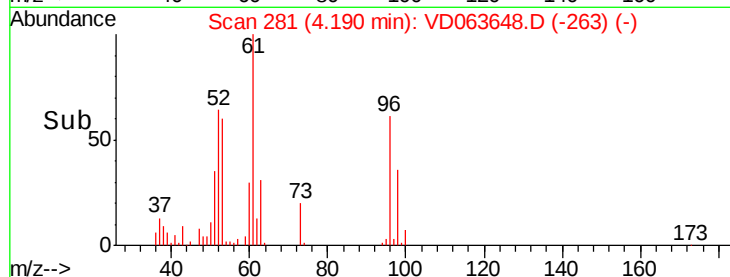
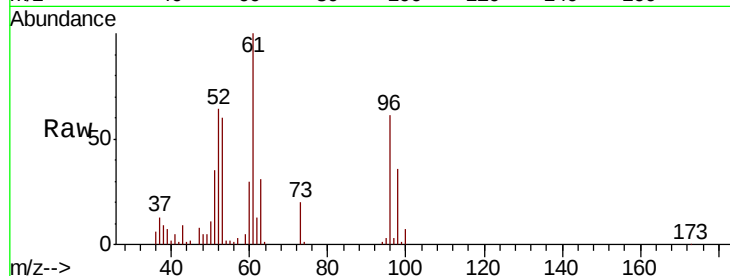




#15
 Acrylonitrile
 Concen: 251.688 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

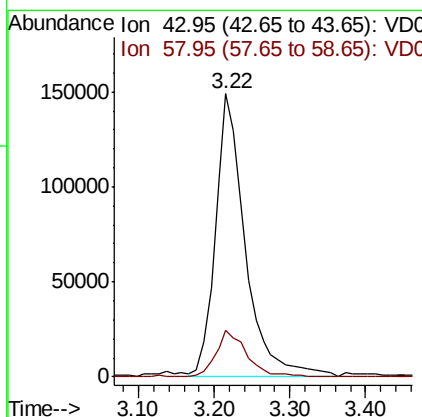
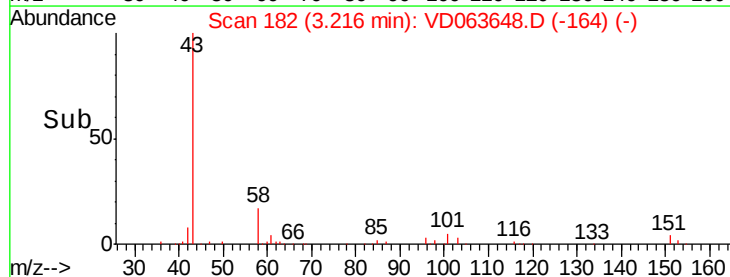
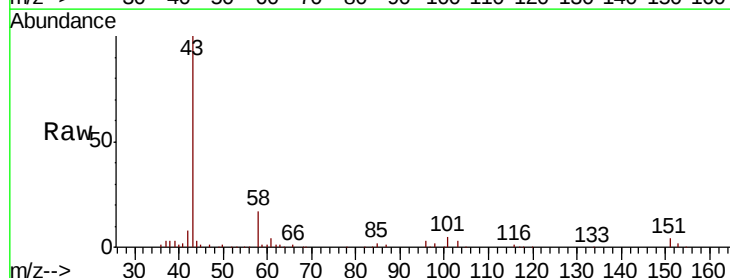
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

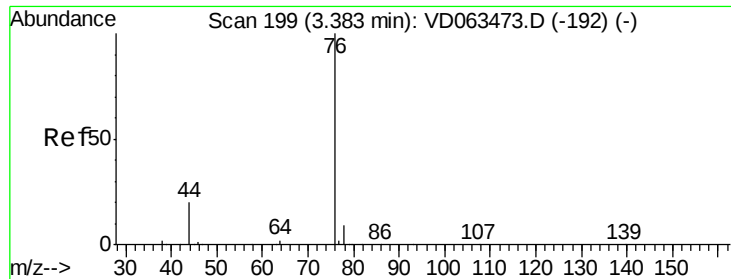
Tgt Ion: 53 Resp: 269344
 Ion Ratio Lower Upper
 53 100
 52 105.2 77.4 116.0
 51 58.3 36.7 55.1#



#16
 Acetone
 Concen: 216.496 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 43 Resp: 408450
 Ion Ratio Lower Upper
 43 100
 58 16.7 11.4 17.2

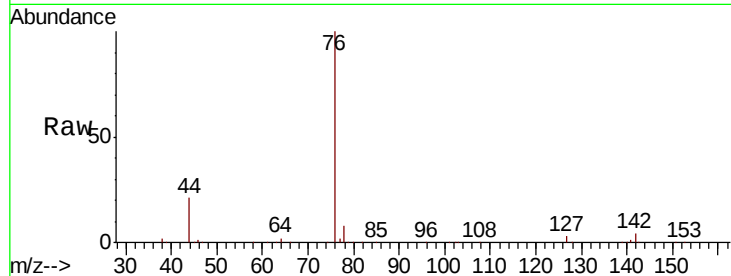




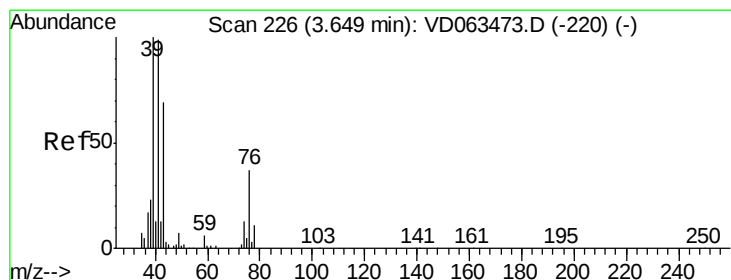
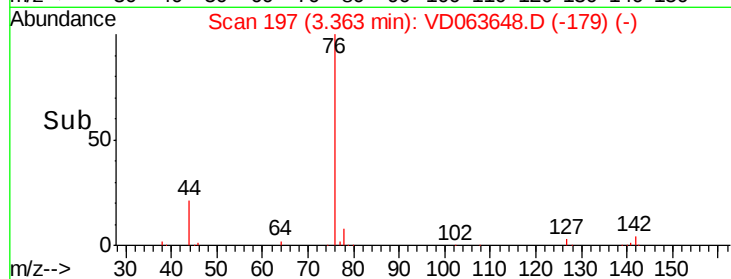
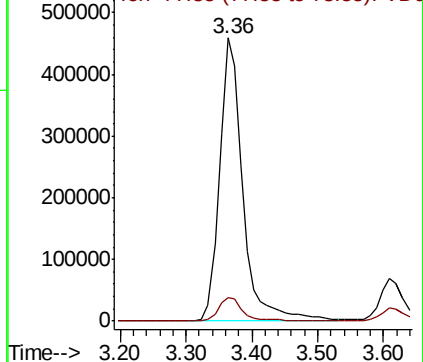
#17
Carbon Disulfide
Concen: 50.982 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1128863
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0

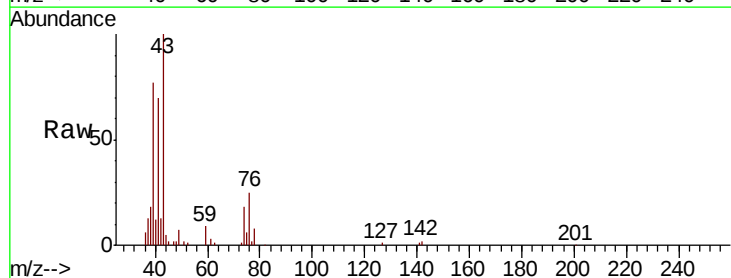


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

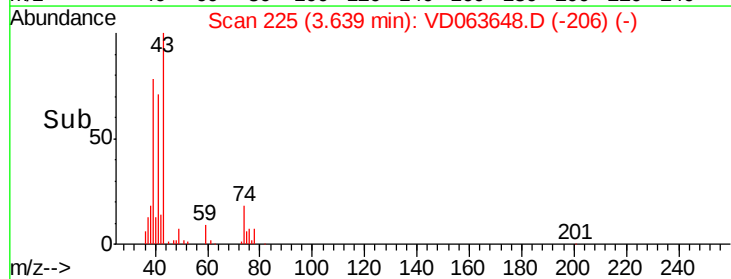
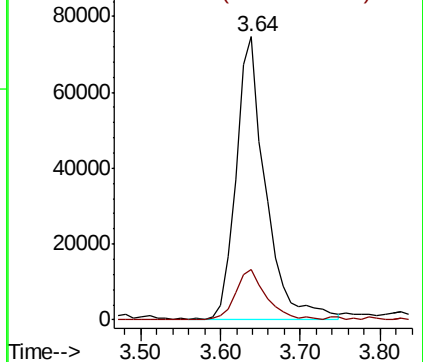


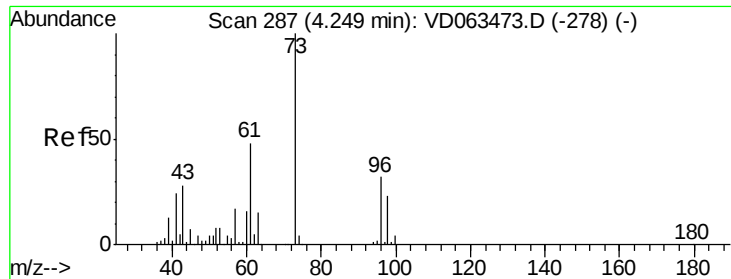
#18
Methyl Acetate
Concen: 53.745 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 43 Resp: 192062
Ion Ratio Lower Upper
43 100
74 17.7 15.4 23.2



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

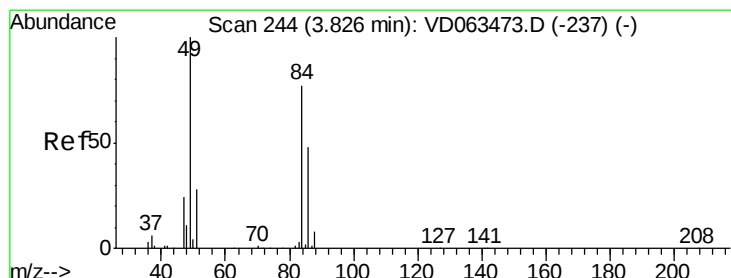
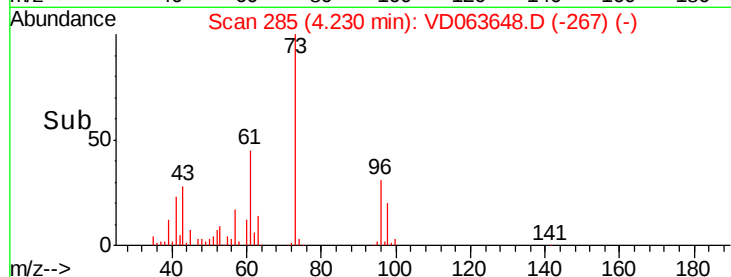
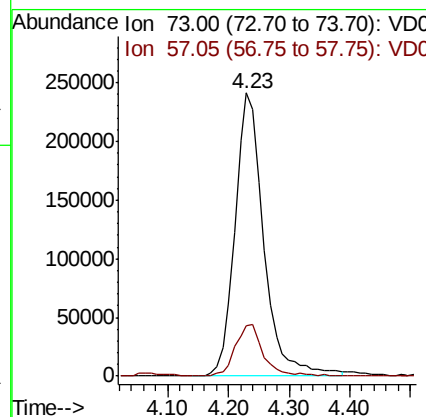
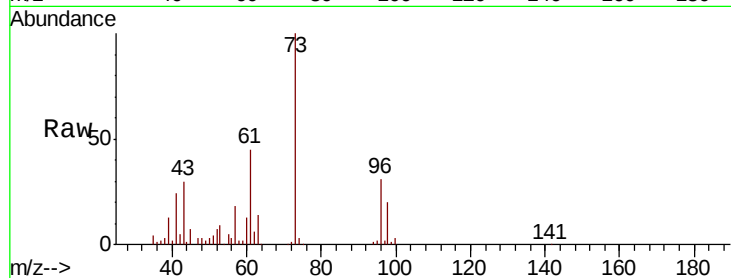




#19
Methyl tert-butyl Ether
Concen: 56.767 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

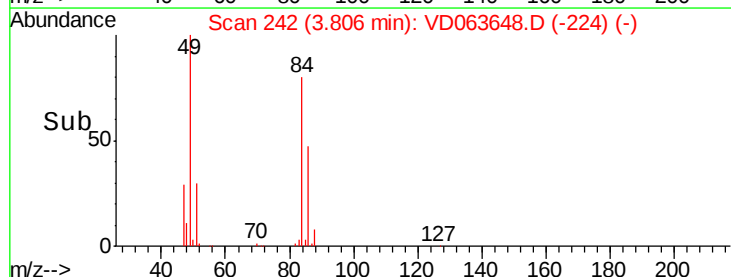
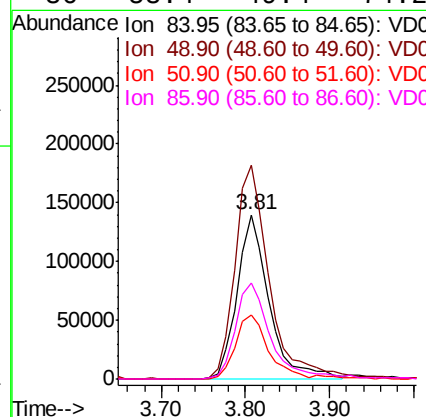
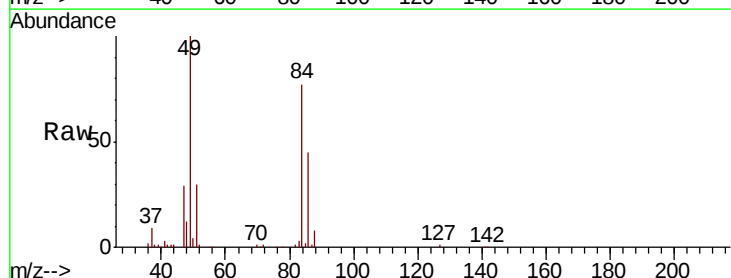
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

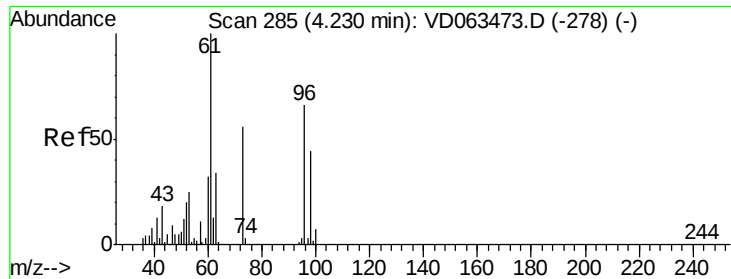
Tgt Ion: 73 Resp: 796490
Ion Ratio Lower Upper
73 100
57 17.6 14.0 21.0



#20
Methylene Chloride
Concen: 45.430 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 84 Resp: 370619
Ion Ratio Lower Upper
84 100
49 129.8 103.4 155.2
51 38.7 28.5 42.7
86 58.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 55.035 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

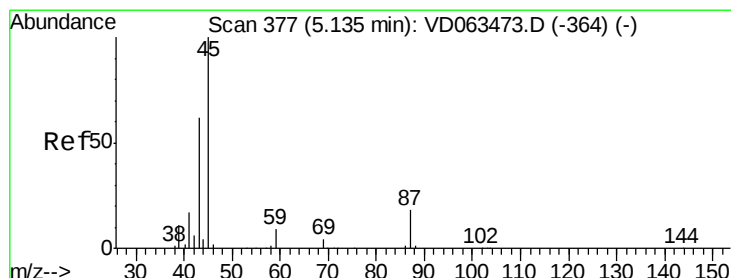
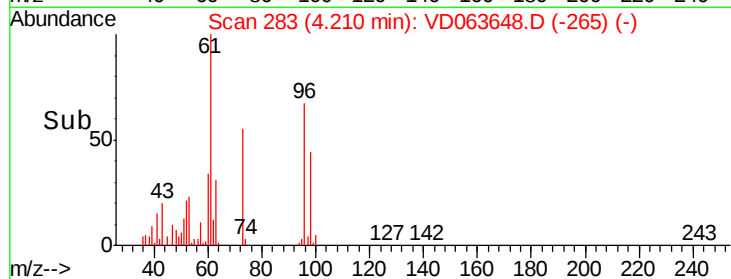
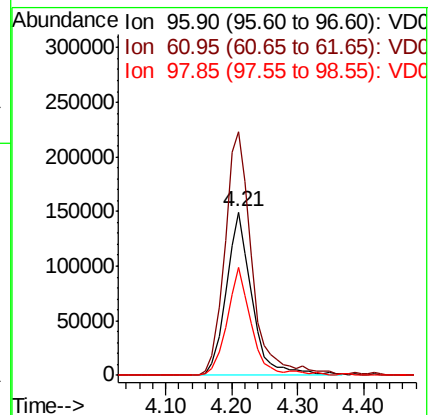
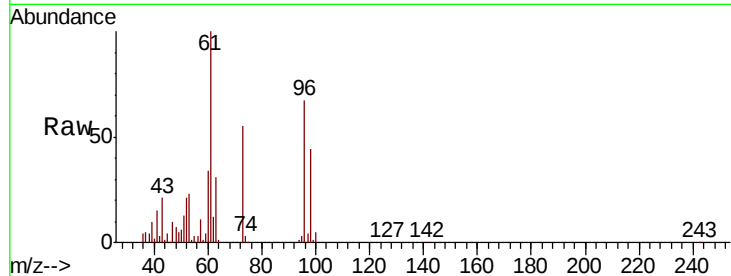
Tgt Ion: 96 Resp: 406320

Ion Ratio Lower Upper

96 100

61 149.0 121.7 182.5

98 66.1 54.2 81.2



#22

Diisopropyl ether

Concen: 52.572 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Tgt Ion: 45 Resp: 1144161

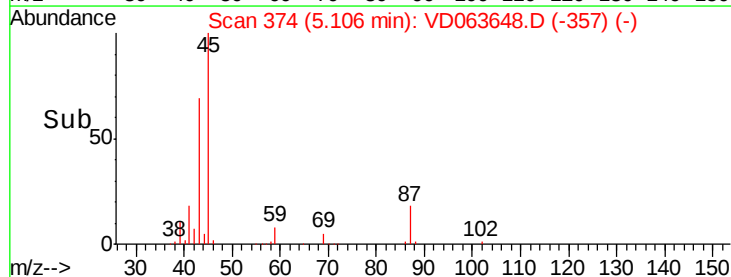
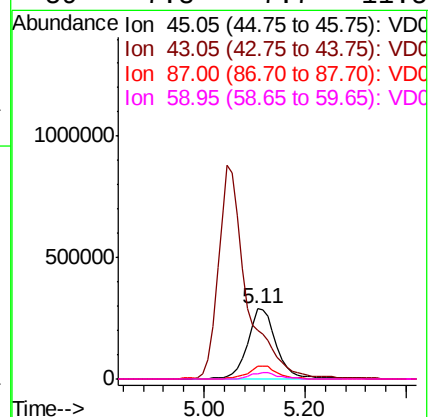
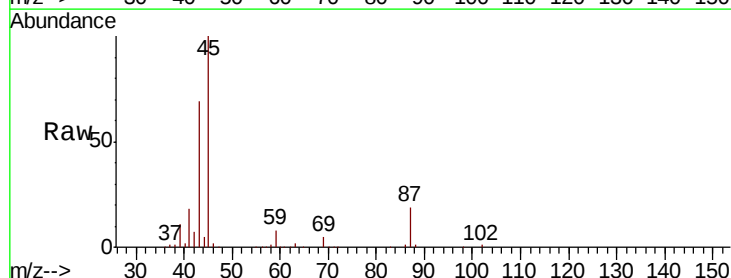
Ion Ratio Lower Upper

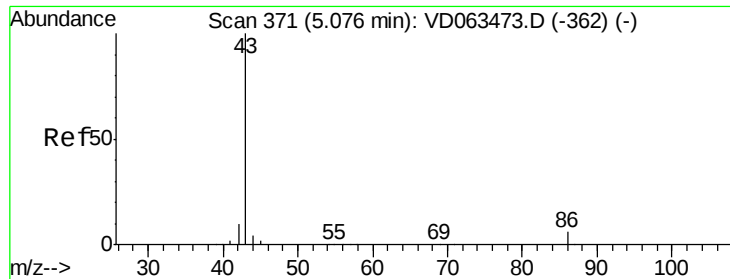
45 100

43 69.5 50.3 75.5

87 18.7 14.3 21.5

59 7.8 7.7 11.5





#23

Vinyl Acetate

Concen: 272.443 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

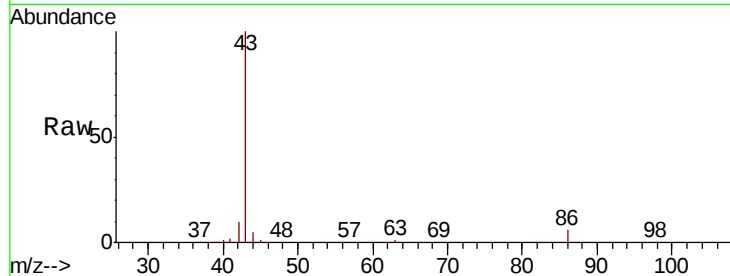
VSTDCCC050EC

Tgt Ion: 43 Resp: 3447070

Ion Ratio Lower Upper

43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

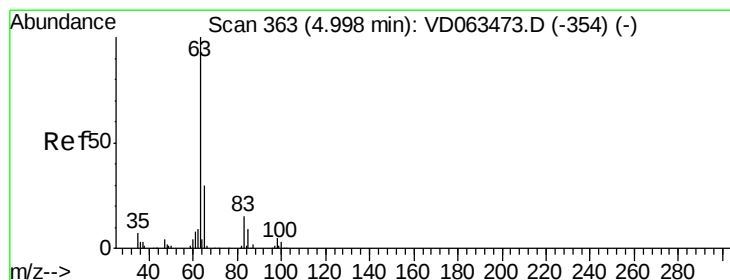
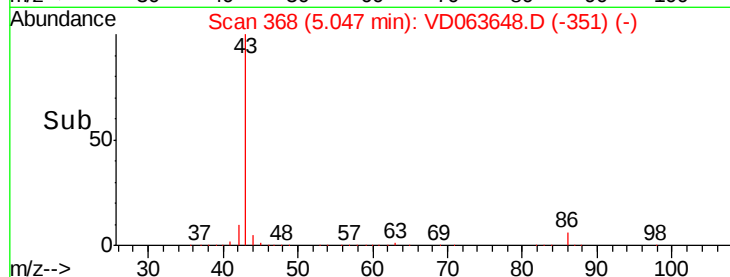
600000

400000

200000

0

Time--> 4.80 5.00 5.20



#24

1,1-Dichloroethane

Concen: 54.252 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

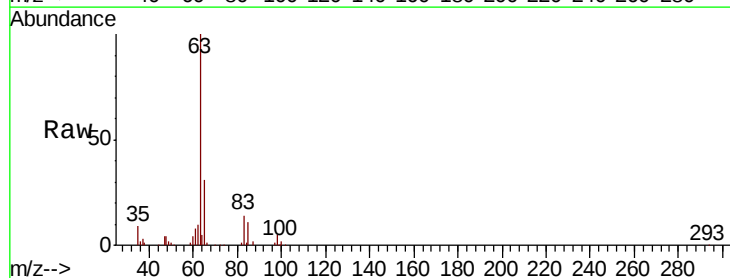
Tgt Ion: 63 Resp: 732316

Ion Ratio Lower Upper

63 100

98 5.7 2.4 7.2

100 2.4 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

250000

200000

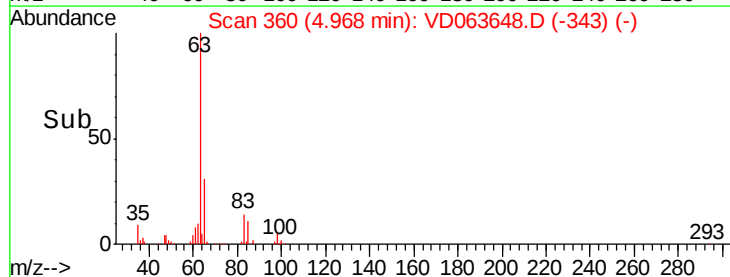
150000

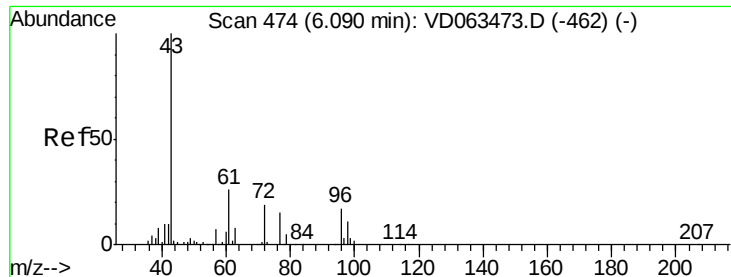
100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 247.313 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

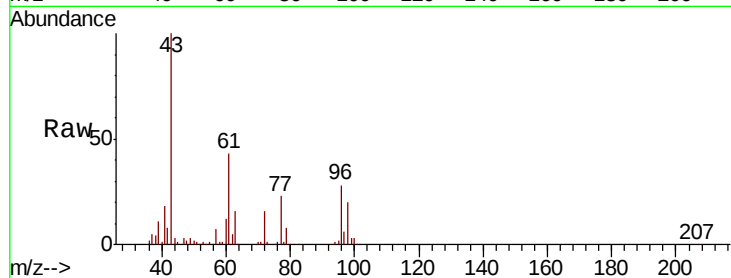
VSTDCCC050EC

Tgt Ion: 43 Resp: 460821

Ion Ratio Lower Upper

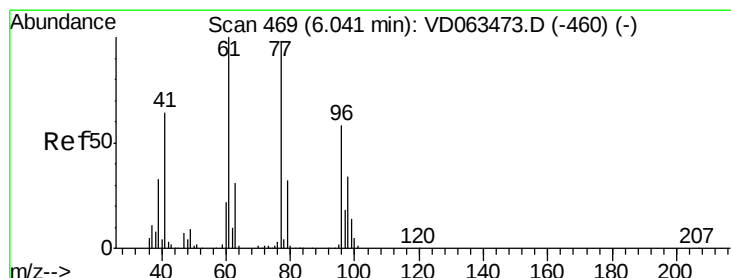
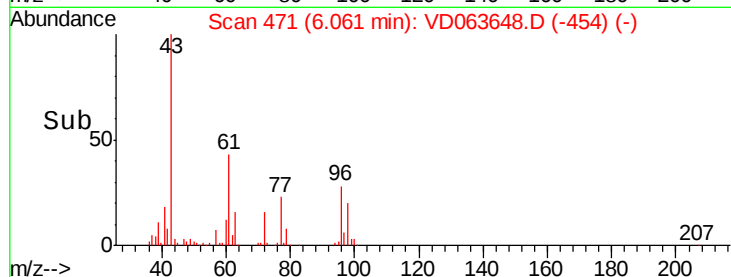
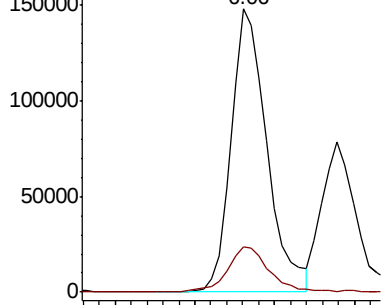
43 100

72 15.8 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: 53.354 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063648.D

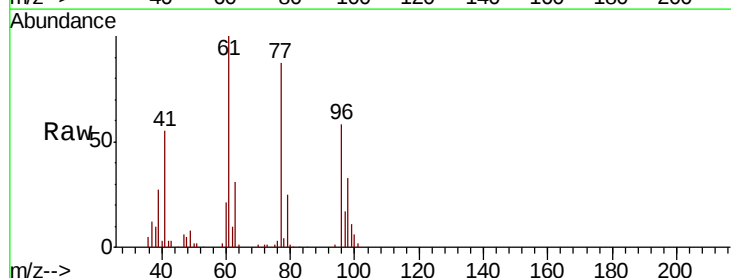
Acq: 16 Aug 2019 19:52

Tgt Ion: 77 Resp: 717344

Ion Ratio Lower Upper

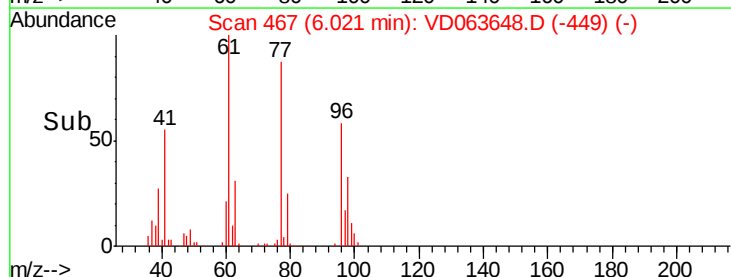
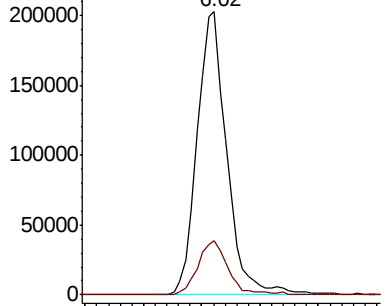
77 100

97 19.2 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



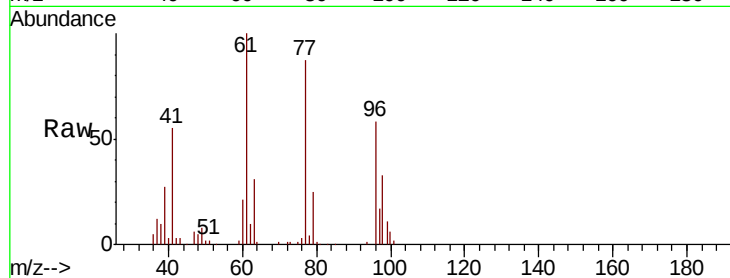


#27

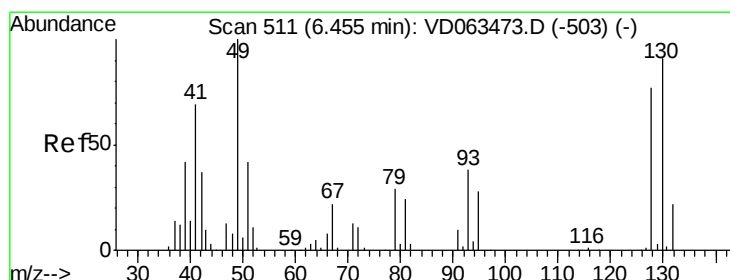
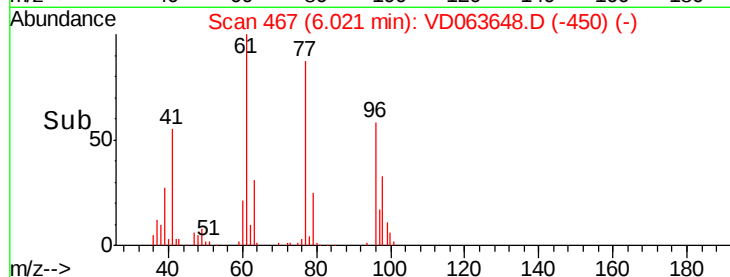
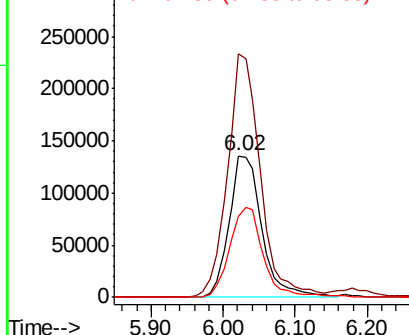
cis-1,2-Dichloroethene
Concen: 53.372 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 431113
Ion Ratio Lower Upper
96 100
61 172.4 0.0 304.0
98 57.2 0.0 124.8



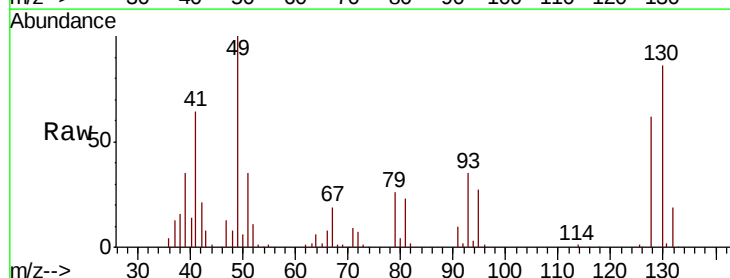
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



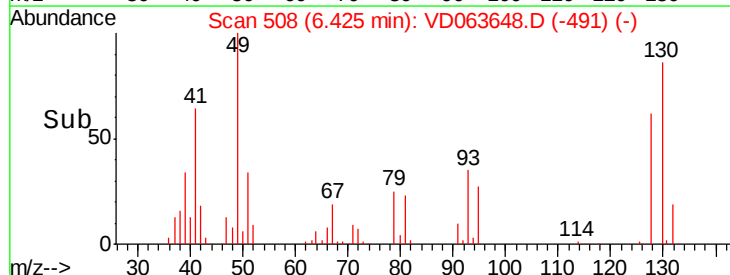
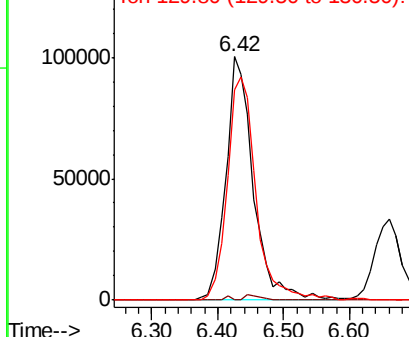
#28

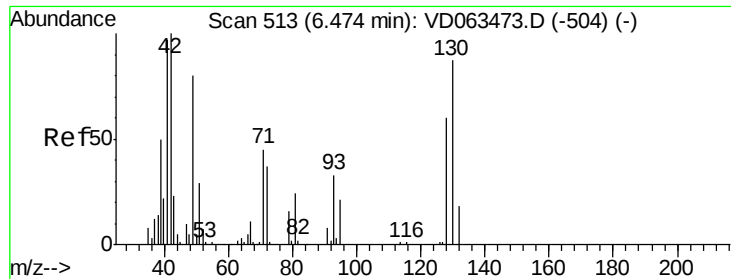
Bromochloromethane
Concen: 53.449 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 49 Resp: 292409
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 86.3 72.4 108.6



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

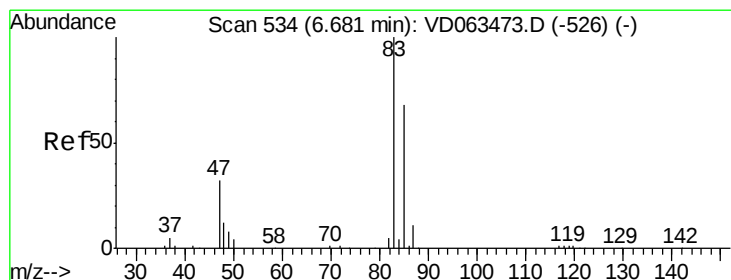
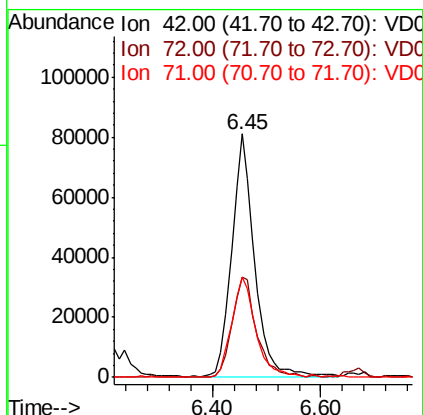
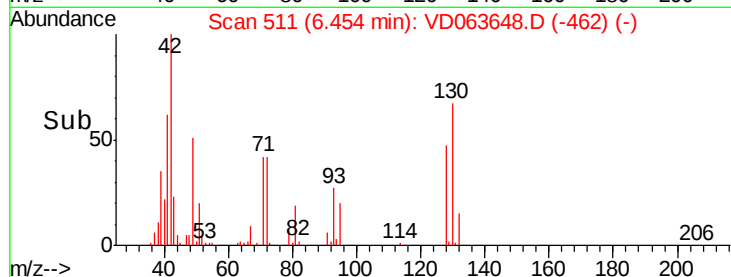
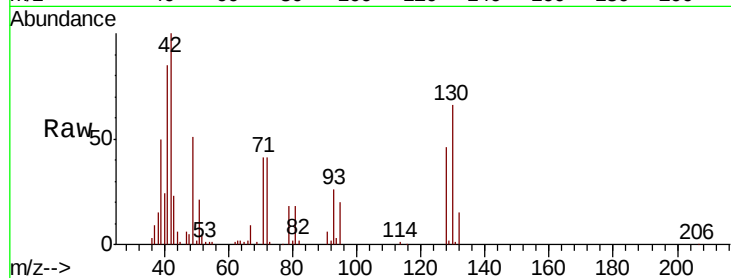




#29
Tetrahydrofuran
Concen: 276.001 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

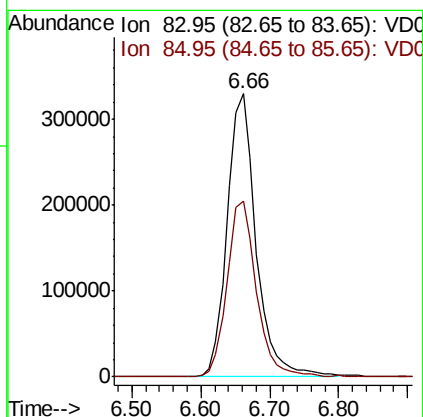
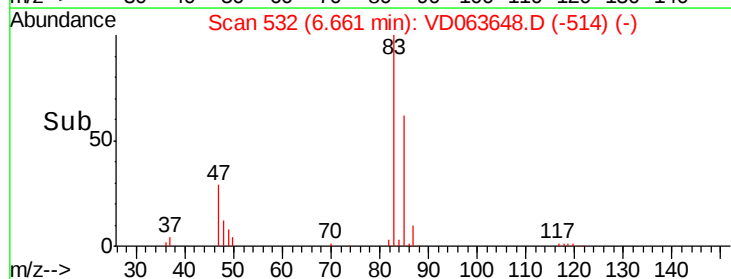
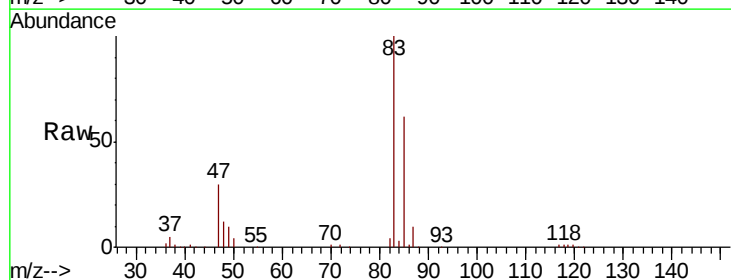
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

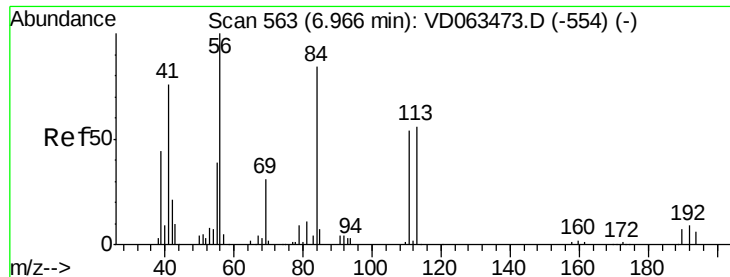
Tgt Ion: 42 Resp: 239640
Ion Ratio Lower Upper
42 100
72 43.9 31.5 47.3
71 43.2 33.8 50.8



#30
Chloroform
Concen: 57.208 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 83 Resp: 959863
Ion Ratio Lower Upper
83 100
85 62.0 54.8 82.2





#31

Cyclohexane

Concen: 52.831 ug/l

RT: 6.95 min Scan# 561

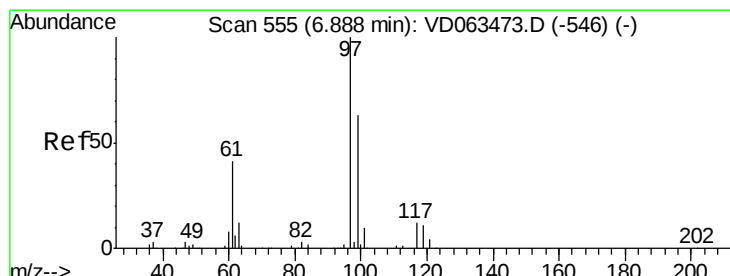
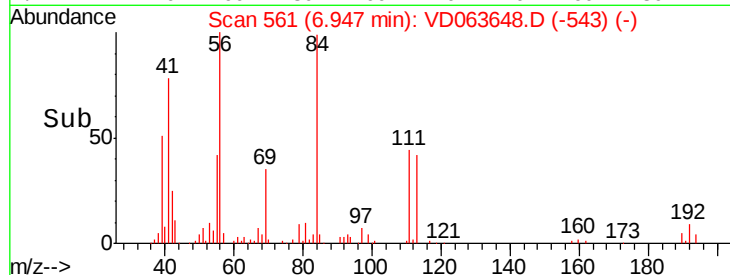
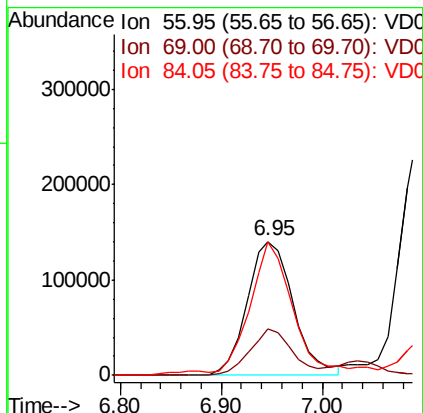
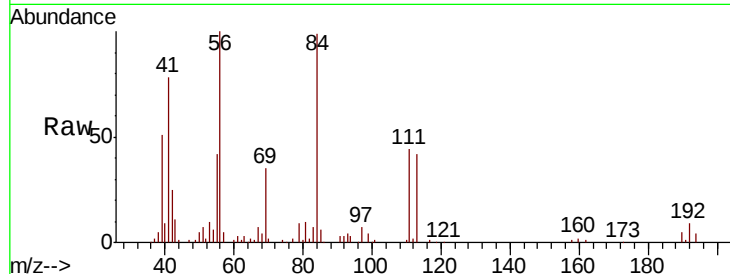
Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	56	Resp:	442727
Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.0	37.6
84	99.2	69.7	104.5



#32

1,1,1-Trichloroethane

Concen: 56.774 ug/l

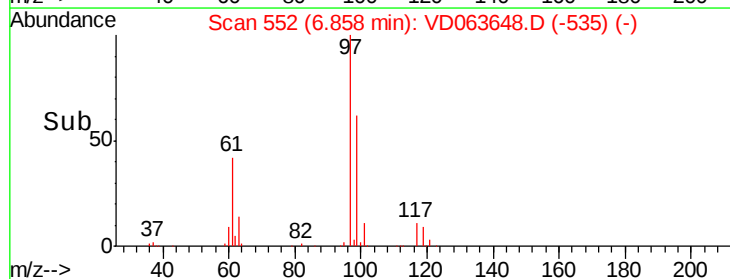
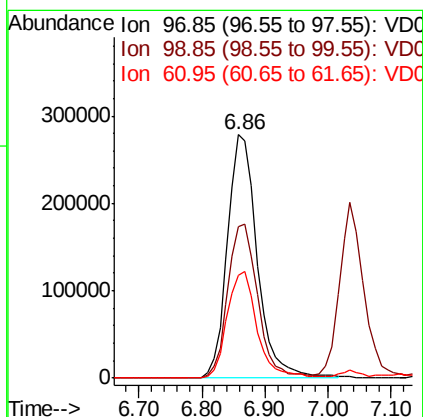
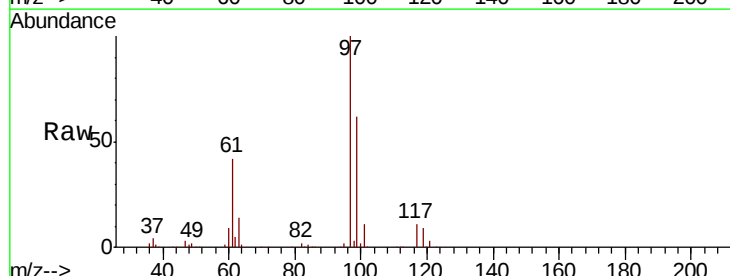
RT: 6.86 min Scan# 552

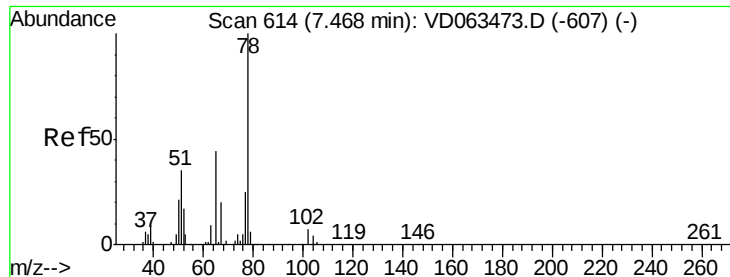
Delta R.T. -0.03 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Tgt Ion:	97	Resp:	911216
Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.2	75.4
61	42.0	33.1	49.7





#33

1,2-Dichloroethane-d4

Concen: 53.318 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

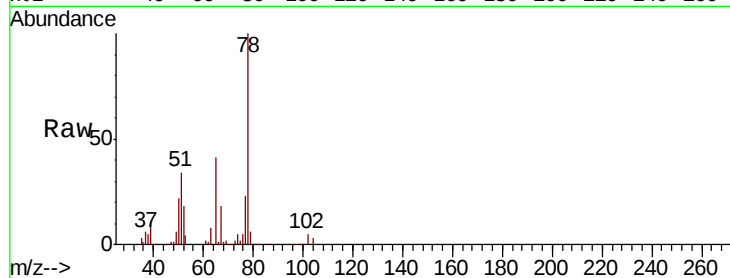
VSTDCCC050EC

Tgt Ion: 65 Resp: 494846

Ion Ratio Lower Upper

65 100

67 43.9 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

200000

150000

100000

50000

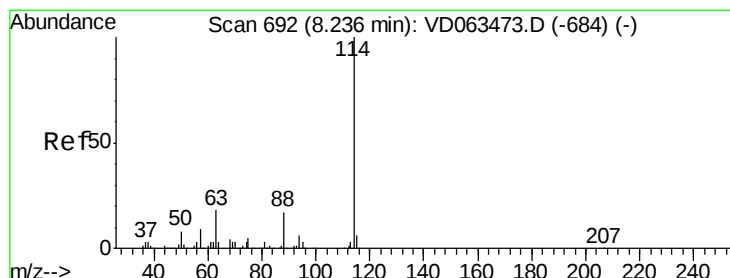
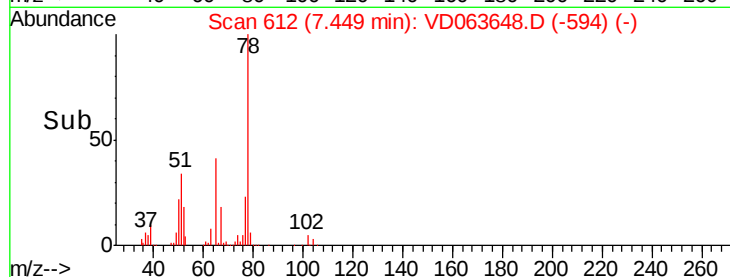
0

Time-->

7.30

7.40

7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

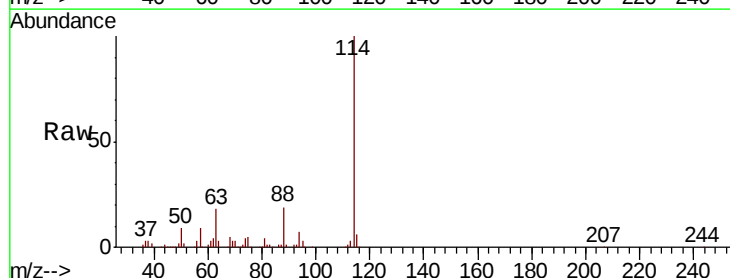
Tgt Ion: 114 Resp: 1207182

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.2

88 18.8 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

8.21

600000

500000

400000

300000

200000

100000

0

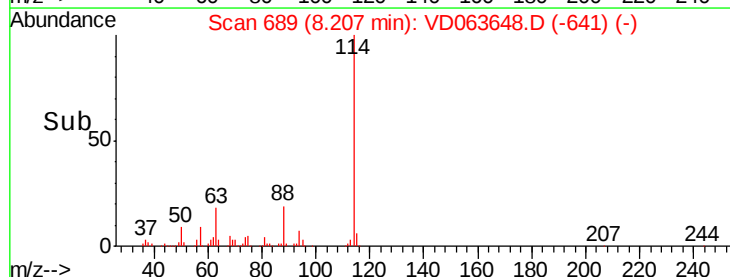
Time-->

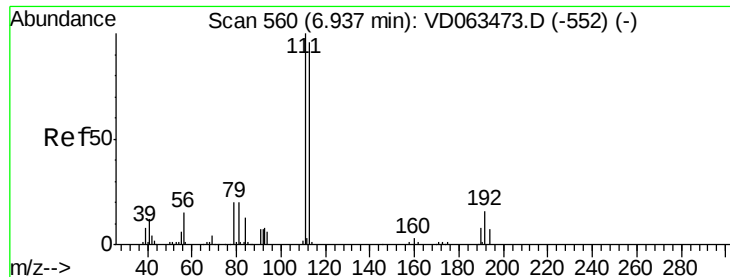
8.10

8.20

8.30

8.40





#35

Dibromofluoromethane

Concen: 52.462 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

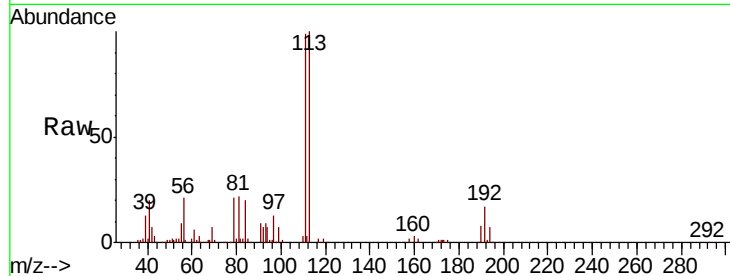
Tgt Ion:113 Resp: 533379

Ion Ratio Lower Upper

113 100

111 99.2 83.1 124.7

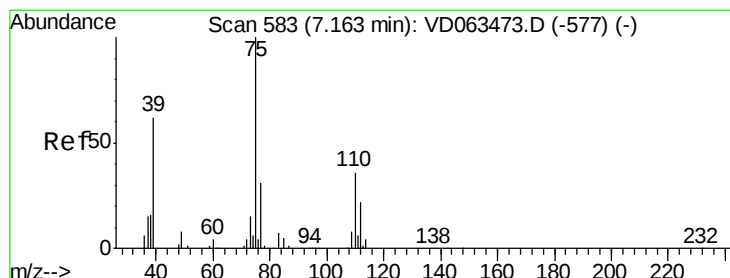
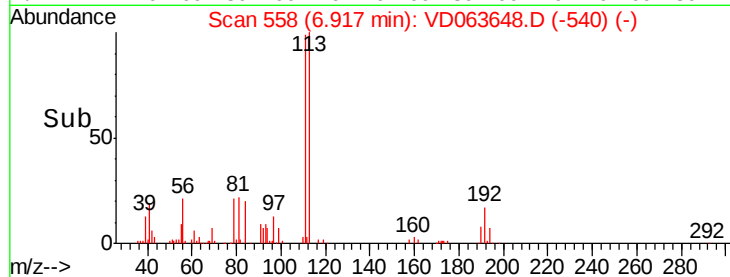
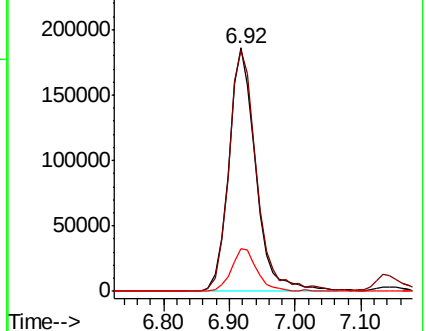
192 17.5 13.1 19.7



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: 55.999 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

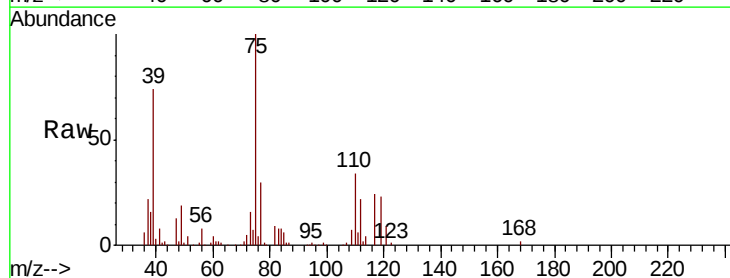
Tgt Ion: 75 Resp: 597609

Ion Ratio Lower Upper

75 100

110 34.2 17.6 52.8

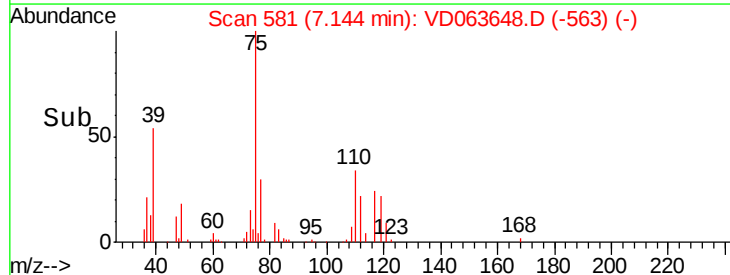
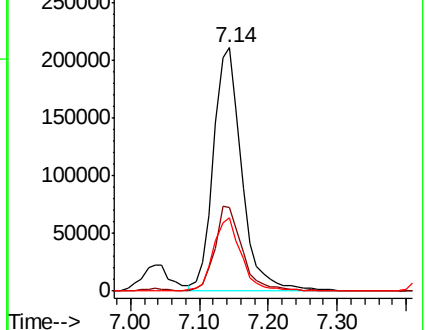
77 30.4 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

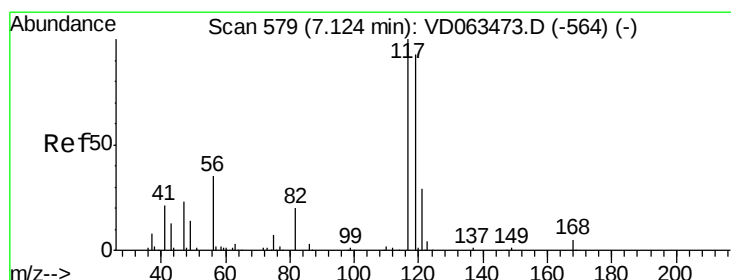
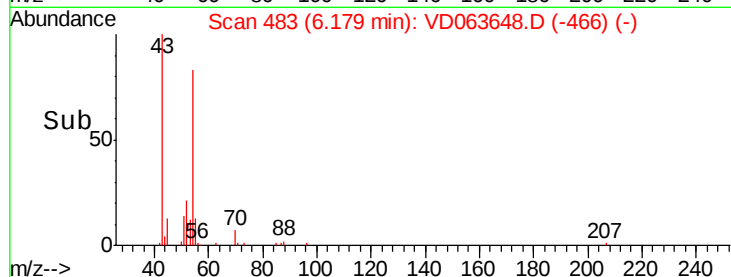
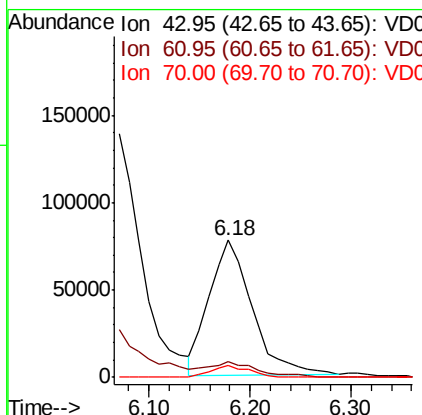
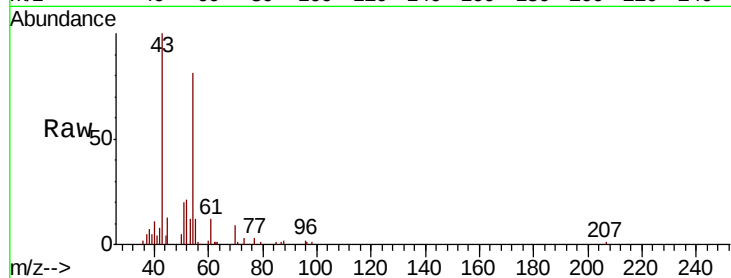




#37
Ethyl Acetate
Concen: 51.575 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

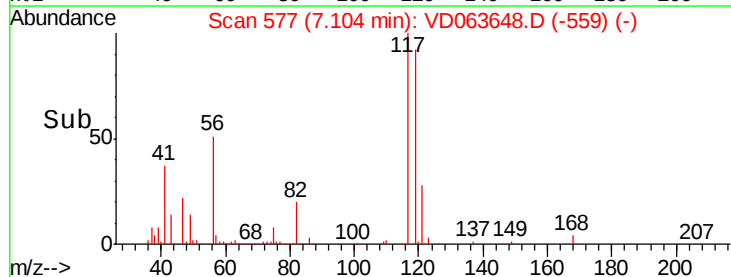
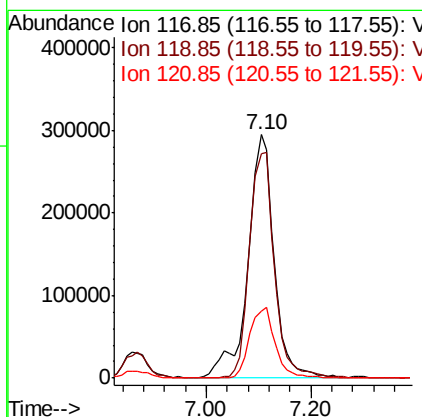
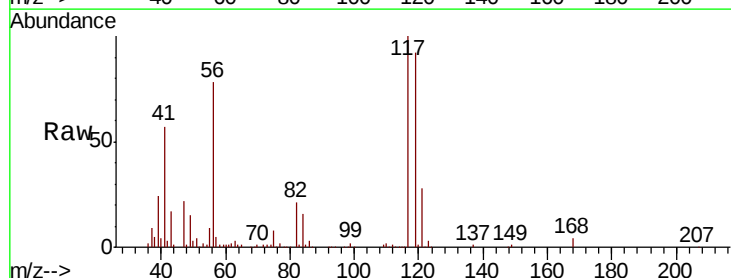
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 230633
Ion Ratio Lower Upper
43 100
61 11.5 9.0 13.6
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 61.815 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 117 Resp: 994207
Ion Ratio Lower Upper
117 100
119 92.3 74.2 111.2
121 27.7 23.1 34.7

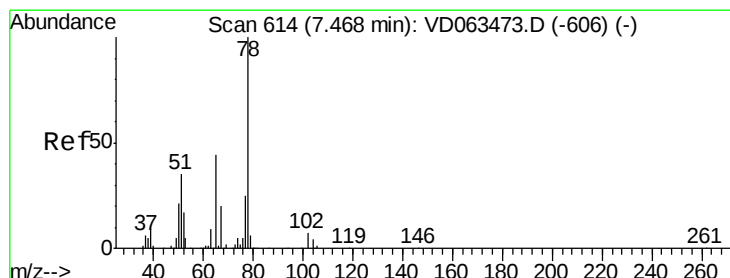
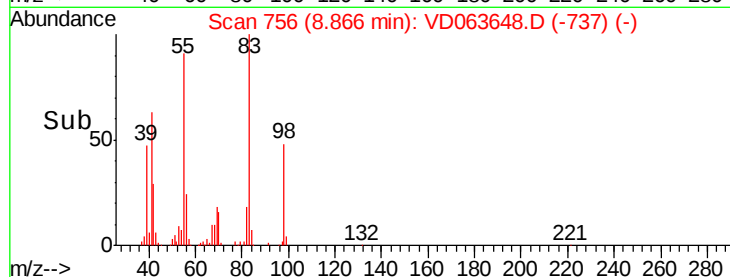
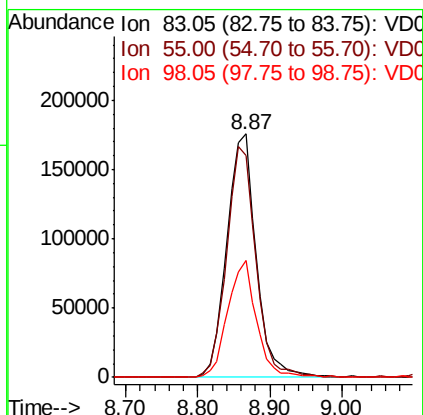
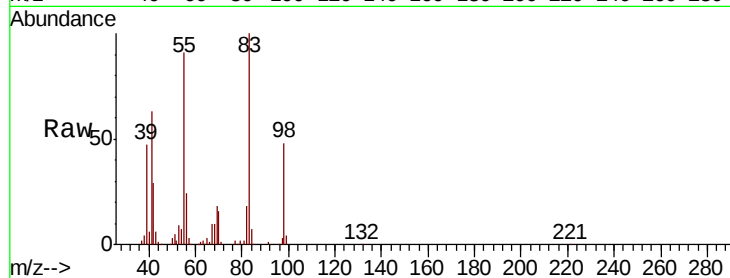




#39
Methylcyclohexane
Concen: 54.986 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

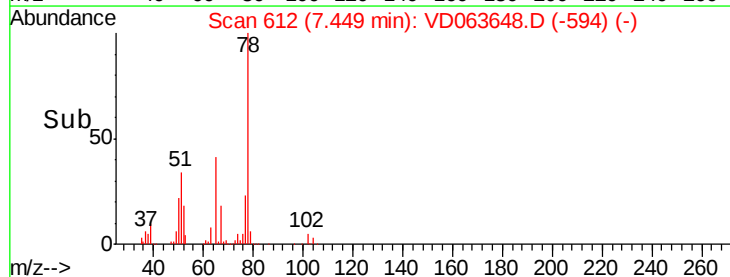
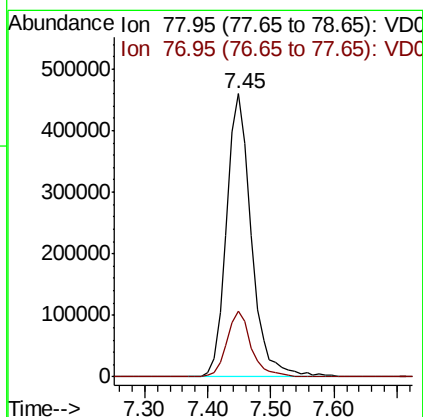
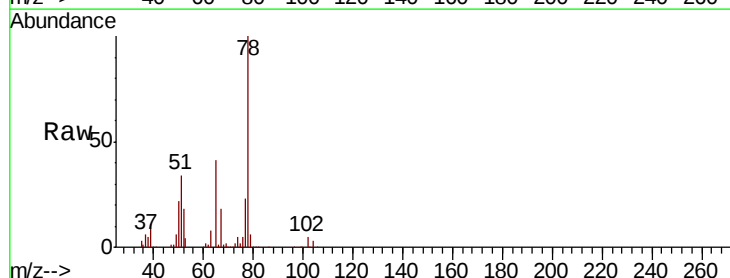
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

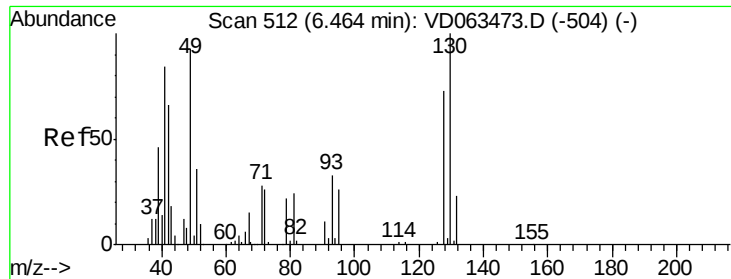
Tgt Ion: 83 Resp: 498976
Ion Ratio Lower Upper
83 100
55 91.0 76.6 114.8
98 48.2 39.4 59.0



#40
Benzene
Concen: 53.304 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 78 Resp: 1251829
Ion Ratio Lower Upper
78 100
77 23.3 20.1 30.1





#41

Methacrylonitrile

Concen: 57.203 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 322081

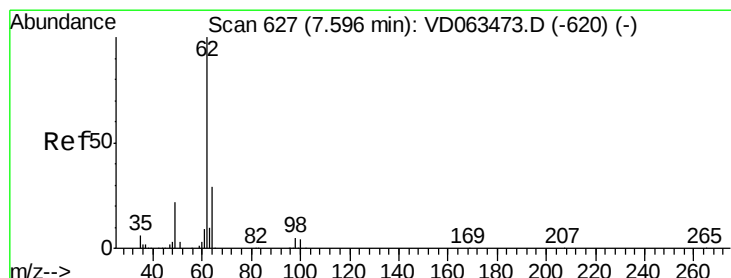
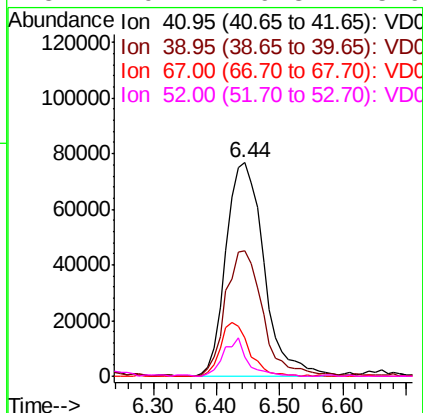
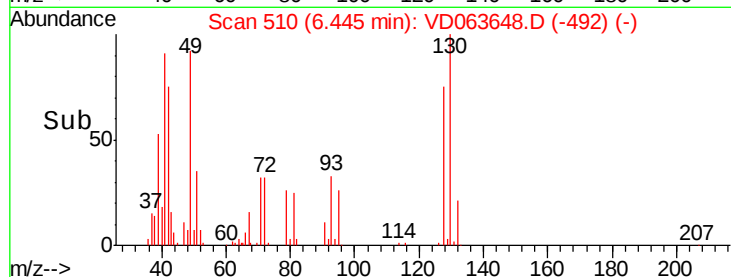
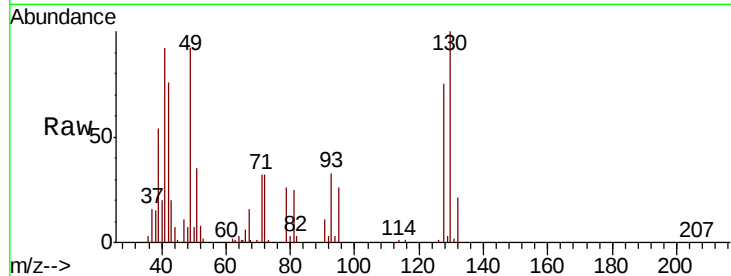
Ion Ratio Lower Upper

41 100

39 58.8 44.6 66.8

67 17.8 14.4 21.6

52 9.2 9.3 13.9#



#42

1,2-Dichloroethane

Concen: 56.469 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD063648.D

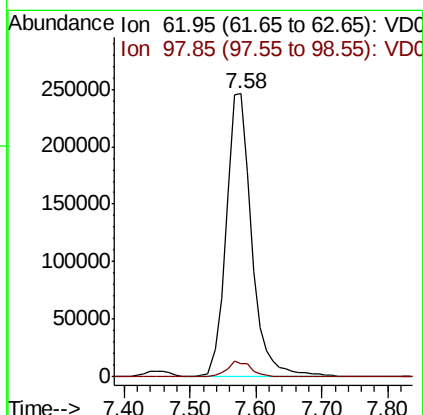
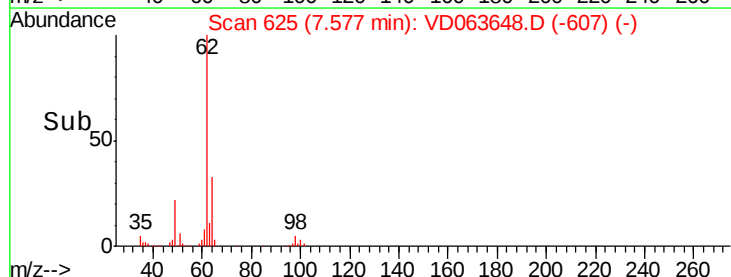
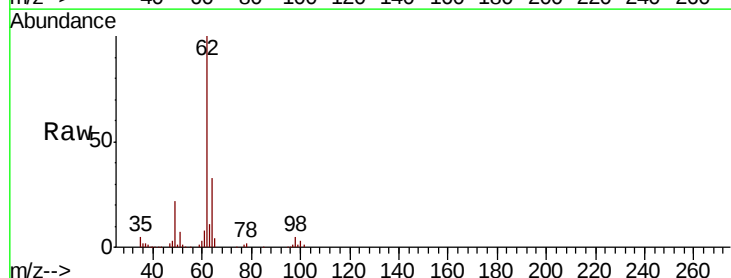
Acq: 16 Aug 2019 19:52

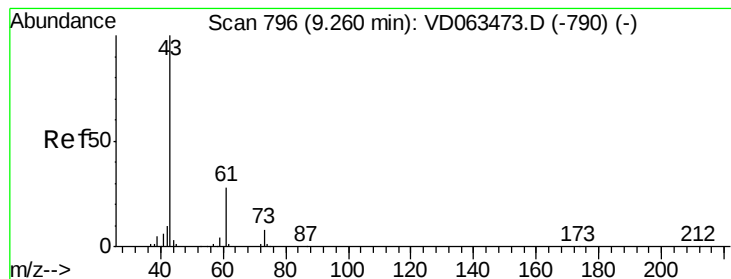
Tgt Ion: 62 Resp: 666829

Ion Ratio Lower Upper

62 100

98 4.6 0.0 10.4





#43

Isopropyl Acetate

Concen: 53.267 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

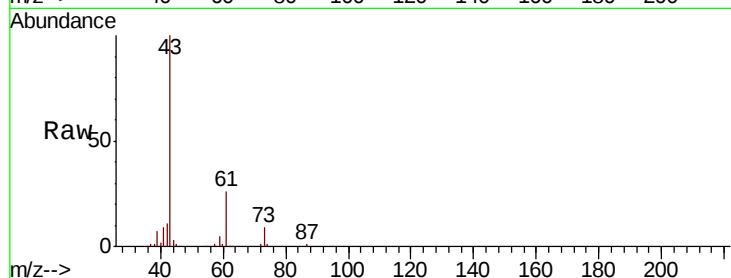
Tgt Ion: 43 Resp: 319026

Ion Ratio Lower Upper

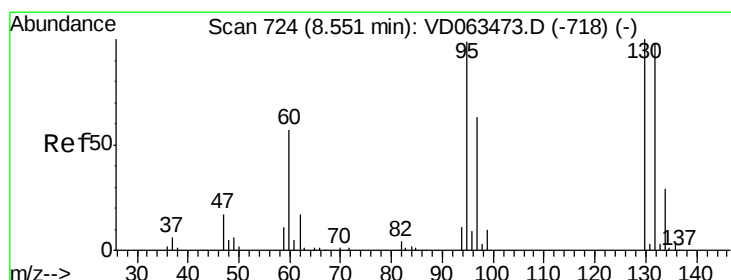
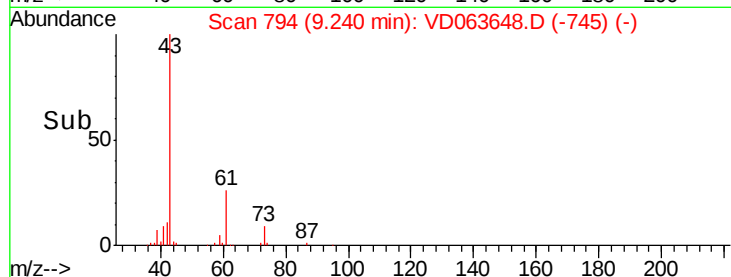
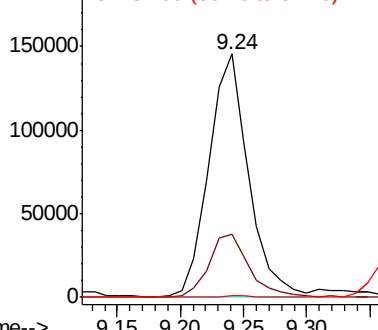
43 100

61 26.0 22.2 33.2

87 0.8 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: 54.737 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063648.D

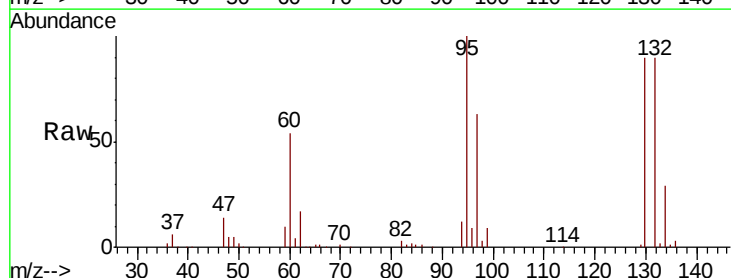
Acq: 16 Aug 2019 19:52

Tgt Ion: 130 Resp: 491340

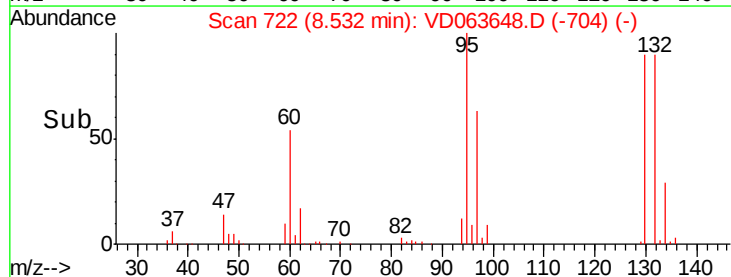
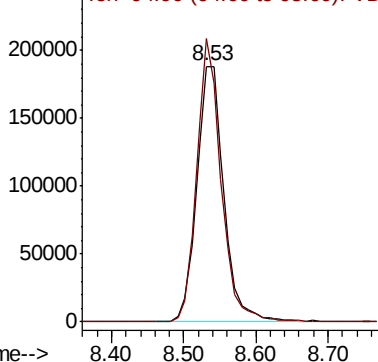
Ion Ratio Lower Upper

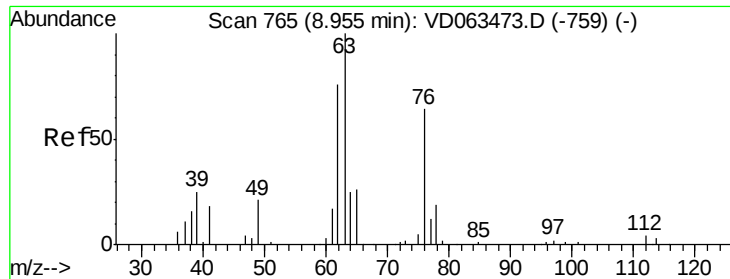
130 100

95 110.6 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 56.273 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

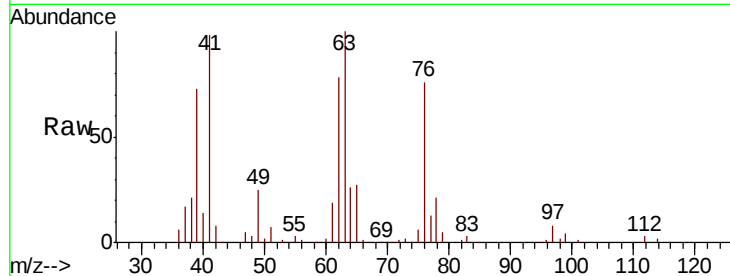
VSTDCCC050EC

Tgt Ion: 63 Resp: 307761

Ion Ratio Lower Upper

63 100

65 26.6 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

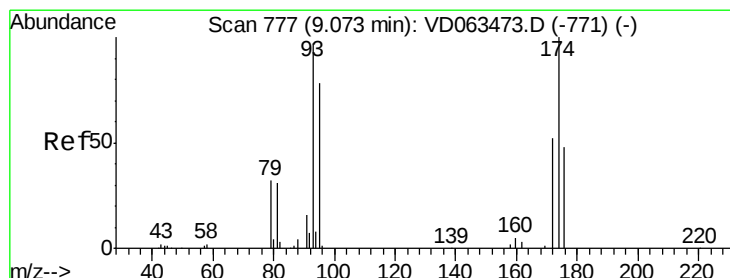
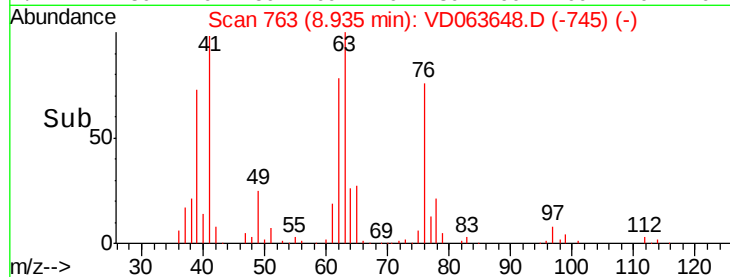
100000

50000

0

Time-->

8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 56.663 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

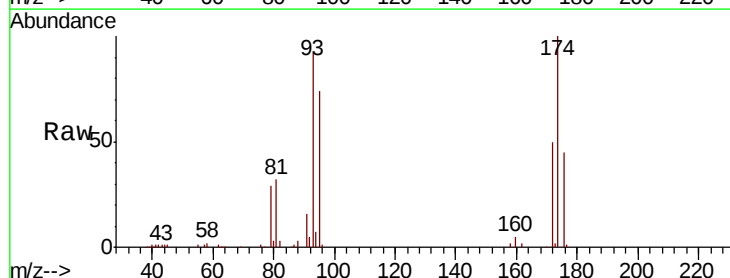
Tgt Ion: 93 Resp: 264642

Ion Ratio Lower Upper

93 100

95 80.3 64.2 96.2

174 108.8 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

150000

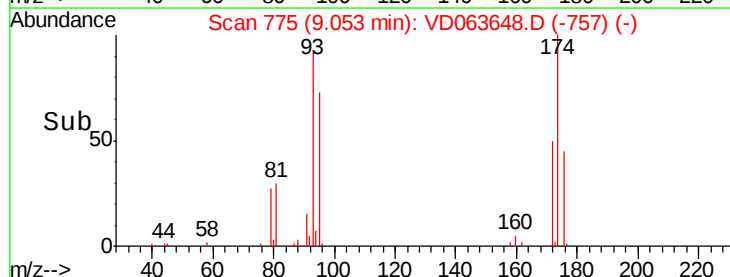
100000

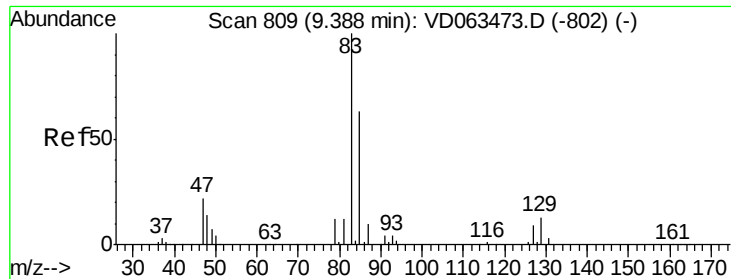
50000

0

Time-->

8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 59.800 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

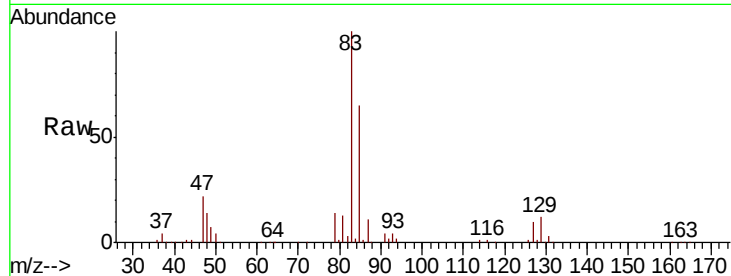
Tgt Ion: 83 Resp: 716409

Ion Ratio Lower Upper

83 100

85 65.4 50.1 75.1

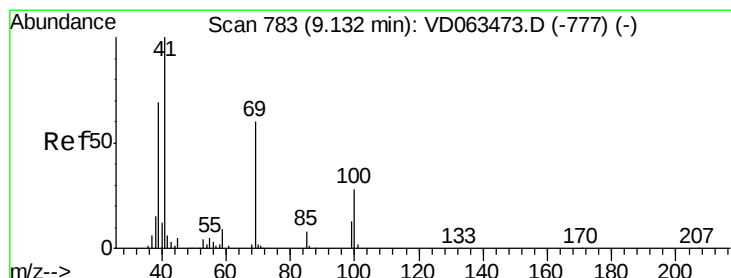
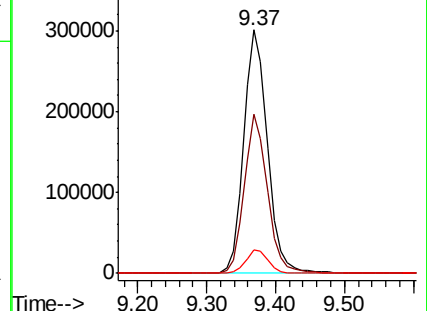
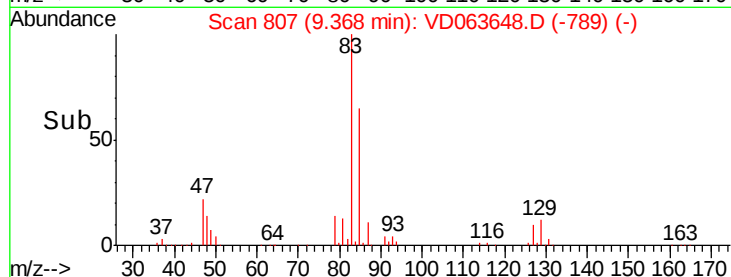
127 9.7 7.6 11.4



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): VDC



#48

Methyl methacrylate

Concen: 55.649 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

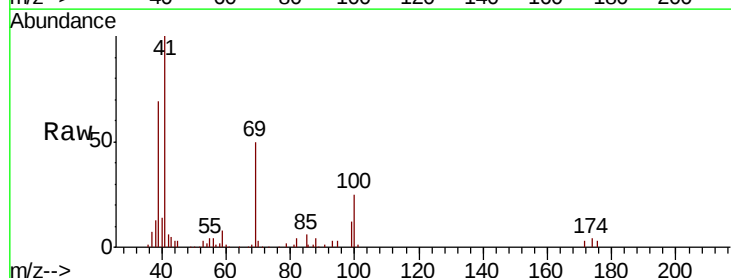
Tgt Ion: 41 Resp: 226030

Ion Ratio Lower Upper

41 100

69 49.5 47.6 71.4

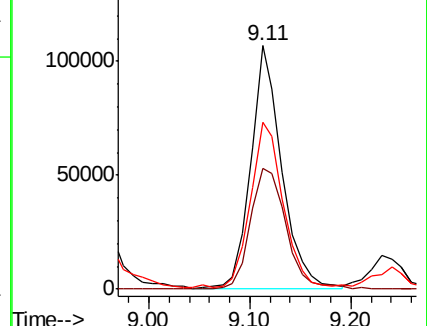
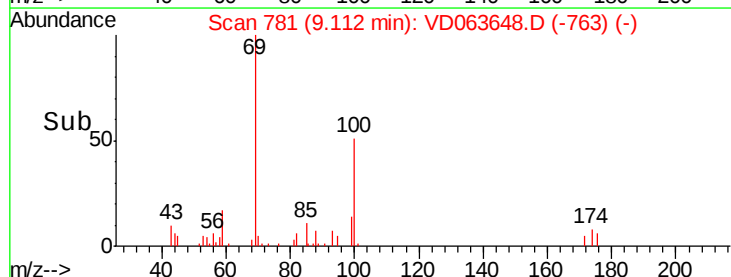
39 68.8 55.7 83.5

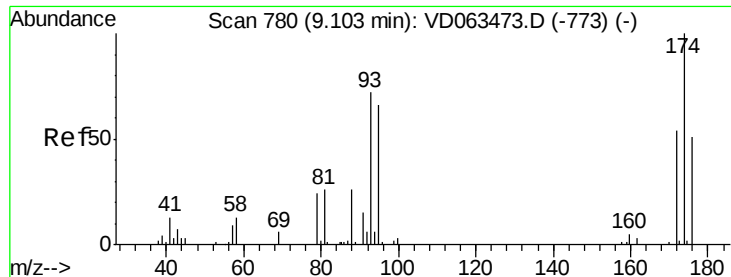


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

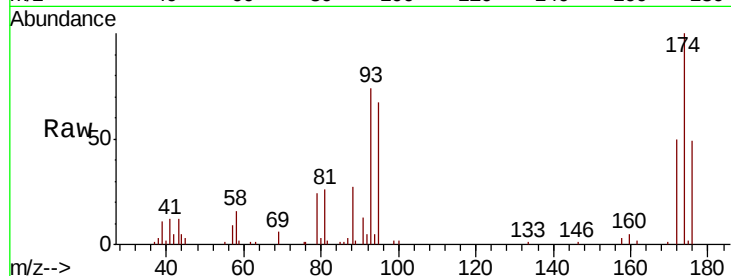




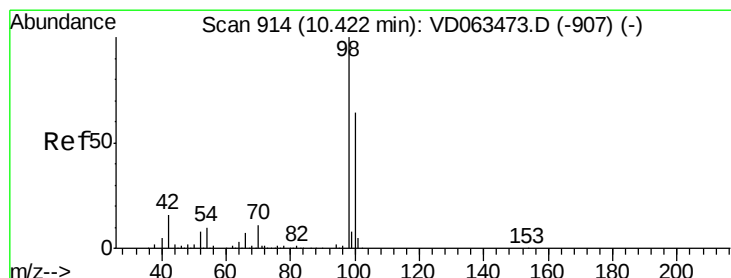
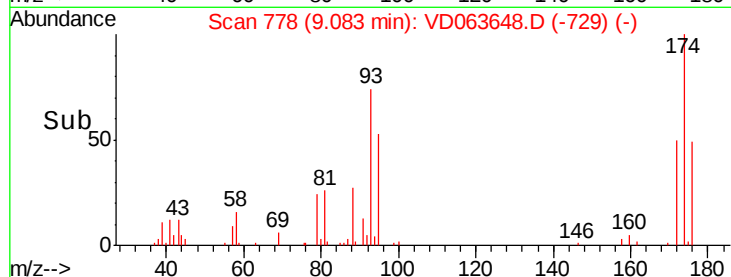
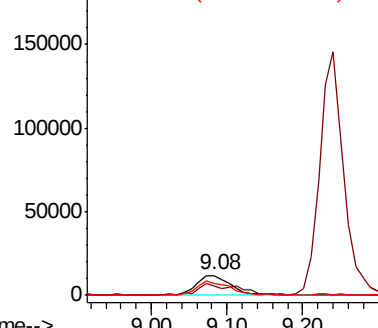
#49
 1,4-Dioxane
 Concen: 1073.068 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 38988
 Ion Ratio Lower Upper
 88 100
 43 44.0 22.9 34.3#
 58 58.2 40.1 60.1

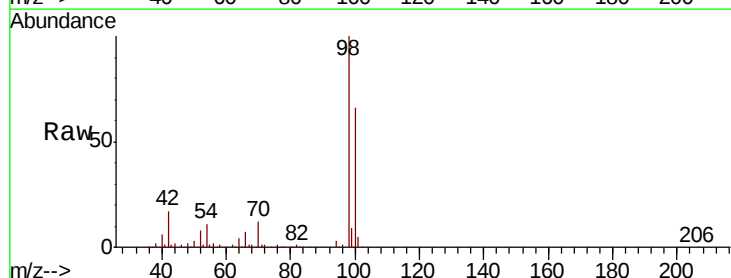


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

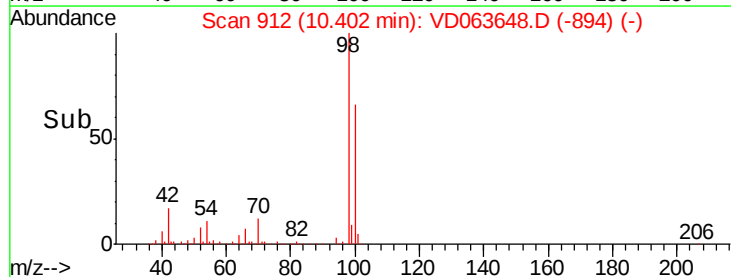
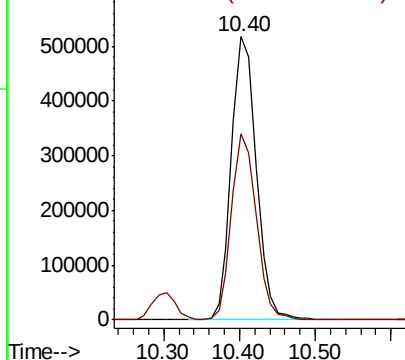


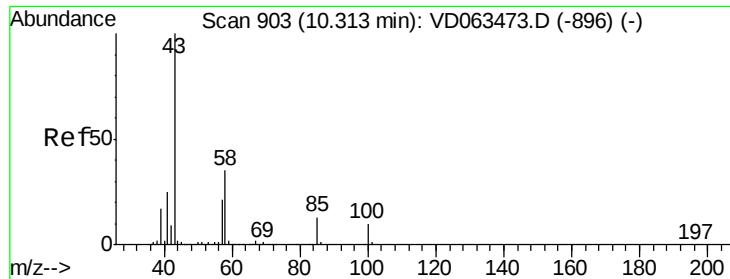
#50
 Toluene-d8
 Concen: 52.923 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 98 Resp: 1182958
 Ion Ratio Lower Upper
 98 100
 100 65.6 51.7 77.5



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

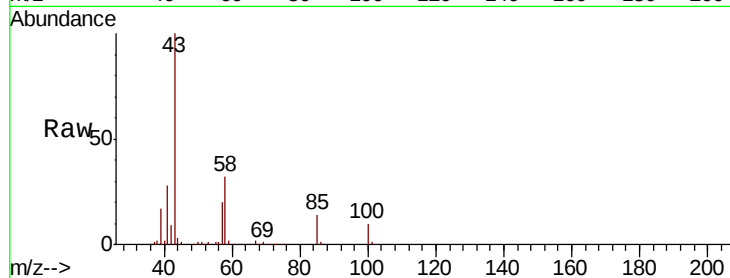




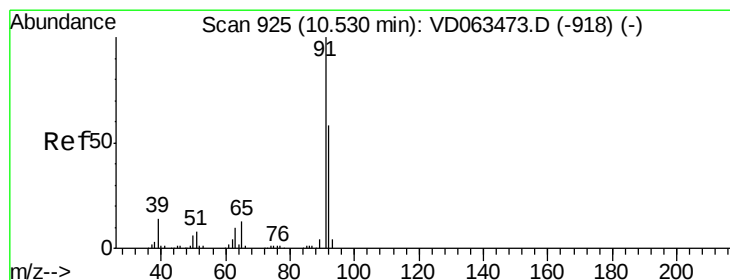
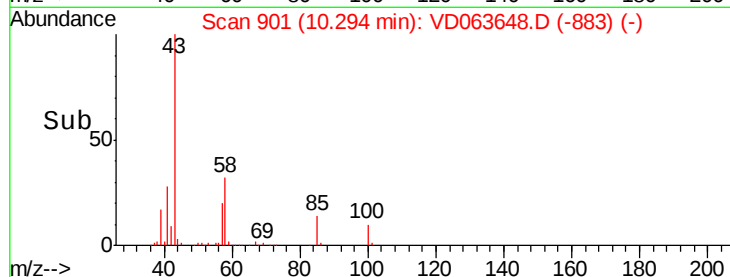
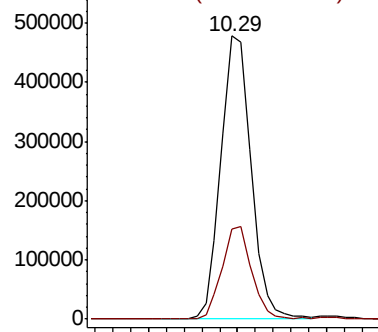
#51
 4-Methyl-2-Pentanone
 Concen: 274.221 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1123819
 Ion Ratio Lower Upper
 43 100
 58 31.9 28.0 42.0

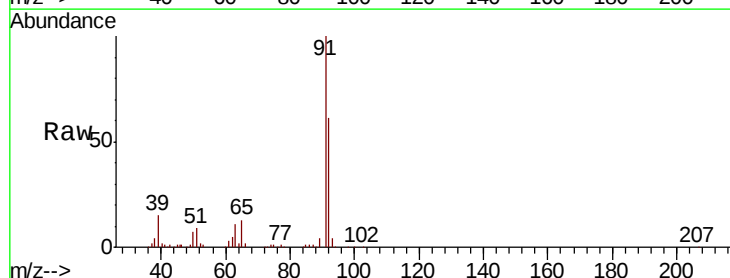


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

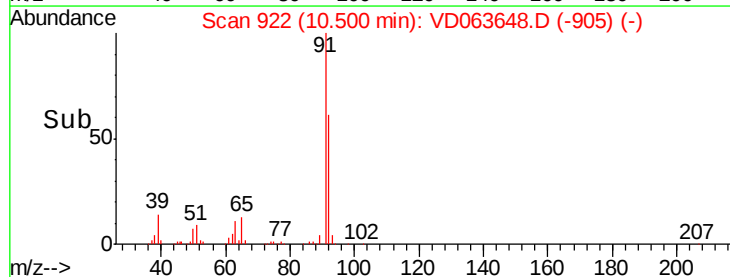
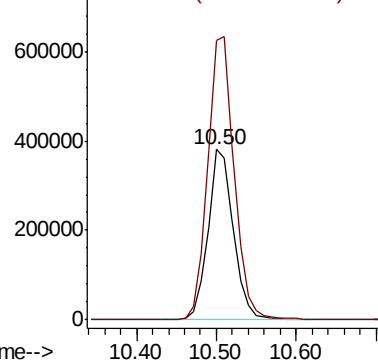


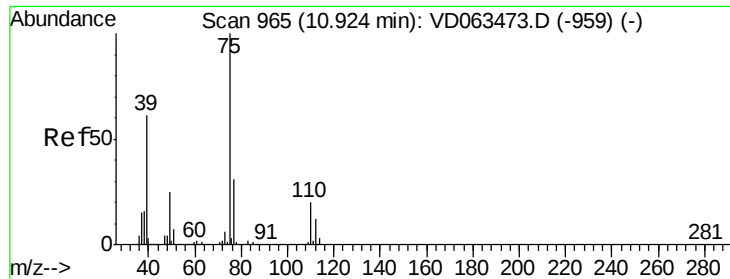
#52
 Toluene
 Concen: 55.757 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.03 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 92 Resp: 843407
 Ion Ratio Lower Upper
 92 100
 91 164.3 137.9 206.9



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

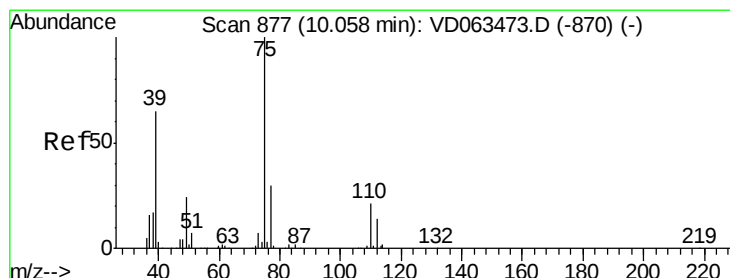
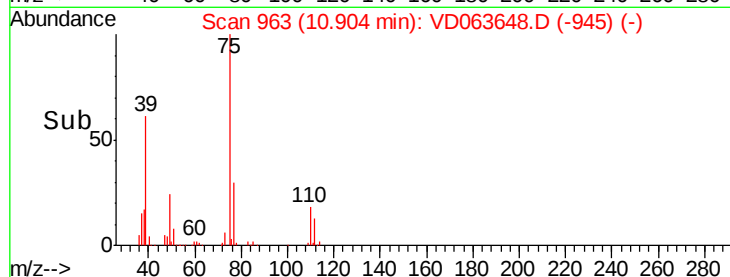
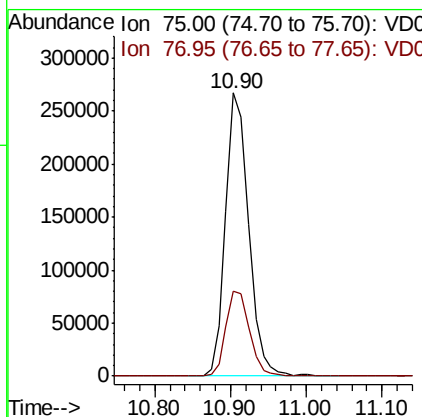
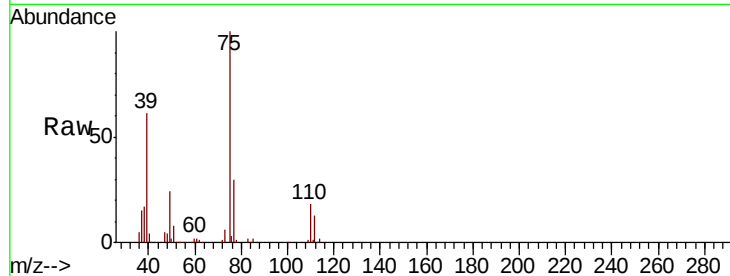




#53
 t-1,3-Dichloropropene
 Concen: 57.819 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

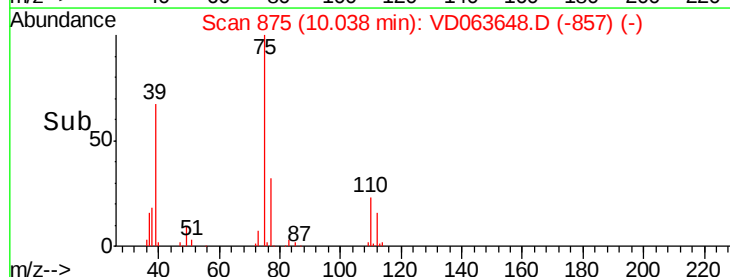
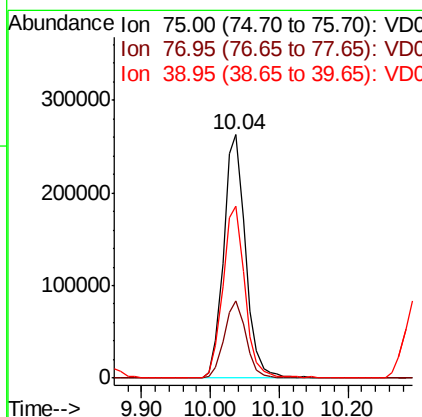
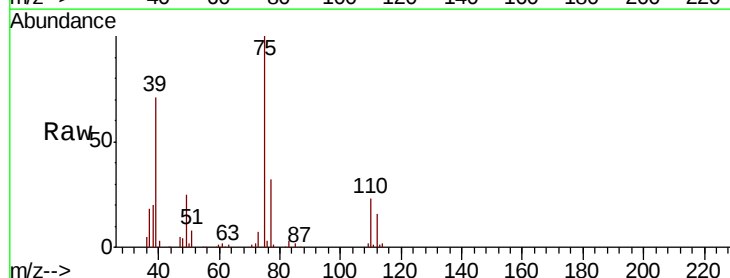
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

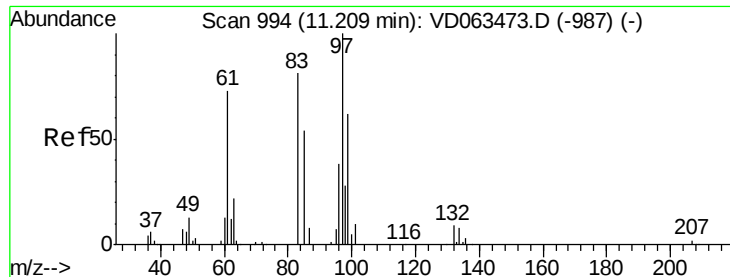
Tgt Ion: 75 Resp: 565298
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.559 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 75 Resp: 579425
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.7 35.5
 39 70.9 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 55.761 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.03 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 284916

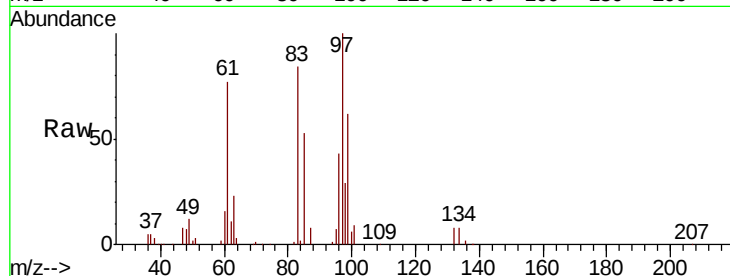
Ion Ratio Lower Upper

97 100

83 84.2 64.7 97.1

85 52.9 42.9 64.3

99 61.5 49.7 74.5

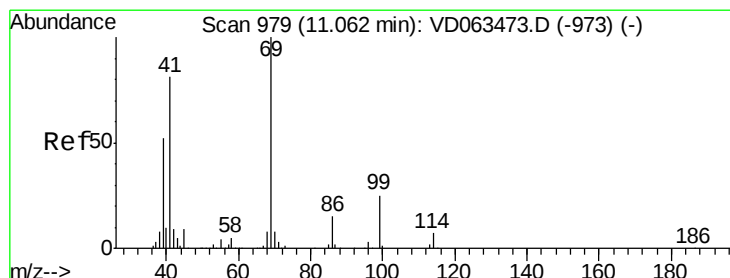
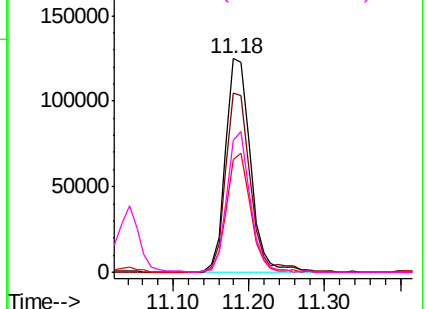
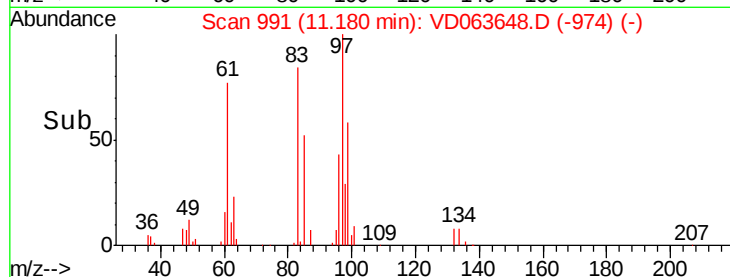


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 56.709 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

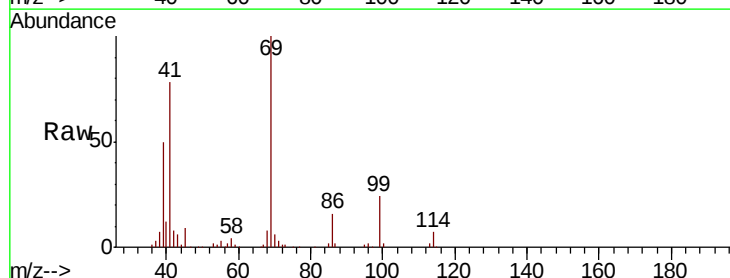
Tgt Ion: 69 Resp: 314506

Ion Ratio Lower Upper

69 100

41 78.3 64.8 97.2

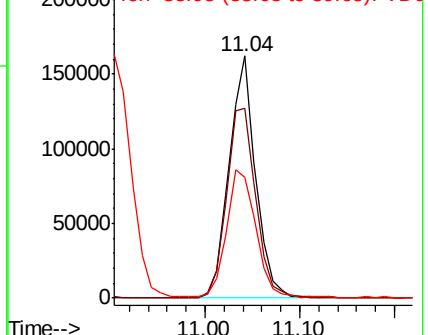
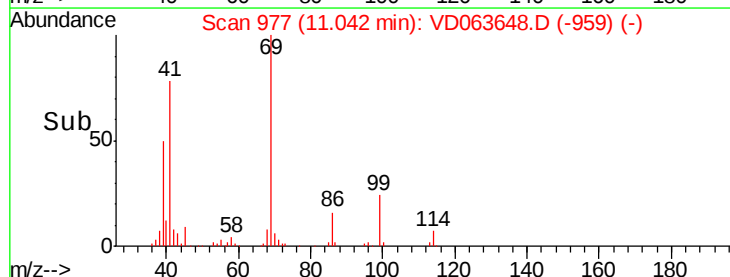
39 50.0 42.4 63.6

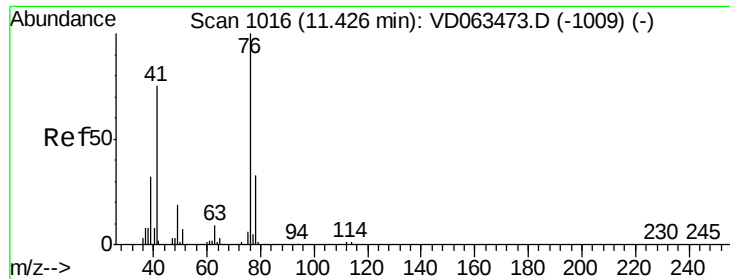


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 58.640 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

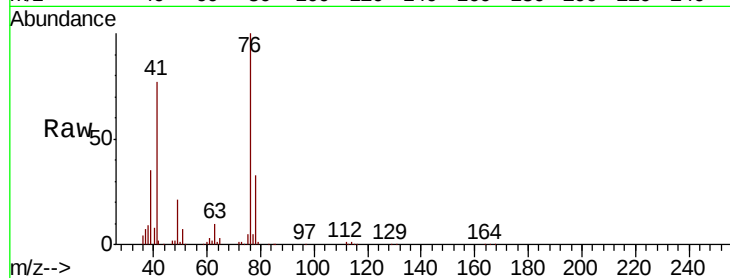
VSTDCCC050EC

Tgt Ion: 76 Resp: 452918

Ion Ratio Lower Upper

76 100

78 33.3 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

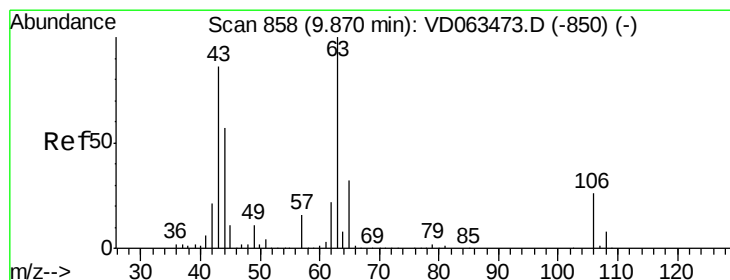
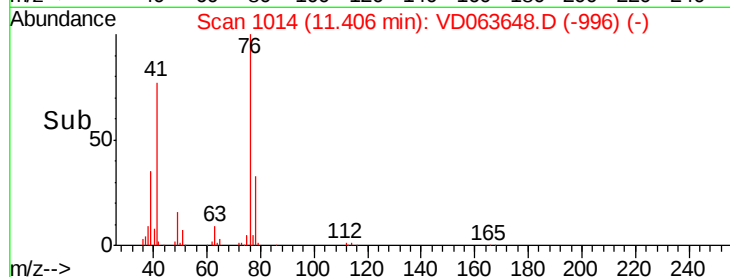
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 294.540 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063648.D

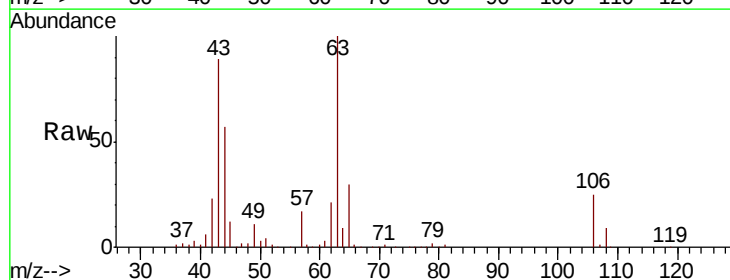
Acq: 16 Aug 2019 19:52

Tgt Ion: 63 Resp: 862387

Ion Ratio Lower Upper

63 100

106 25.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

400000

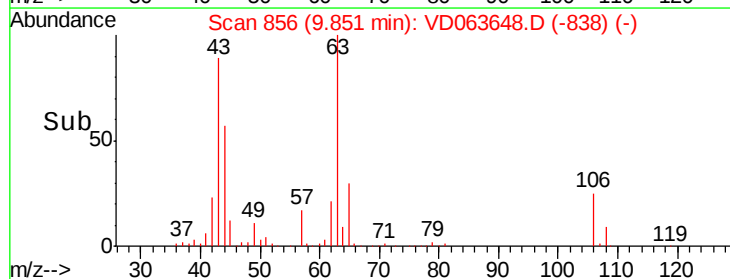
300000

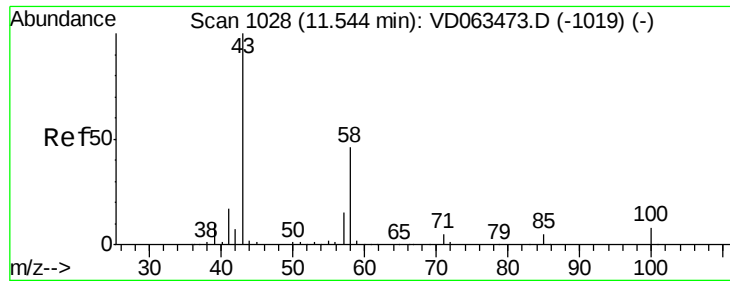
200000

100000

0

Time-->

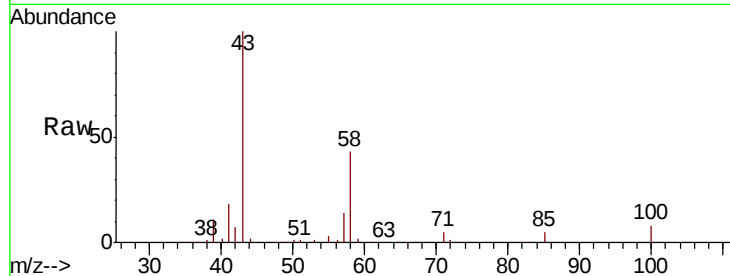




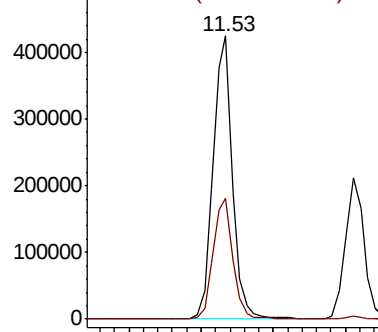
#59
2-Hexanone
Concen: 266.015 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

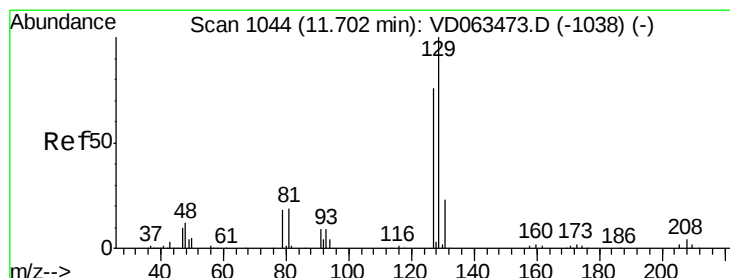
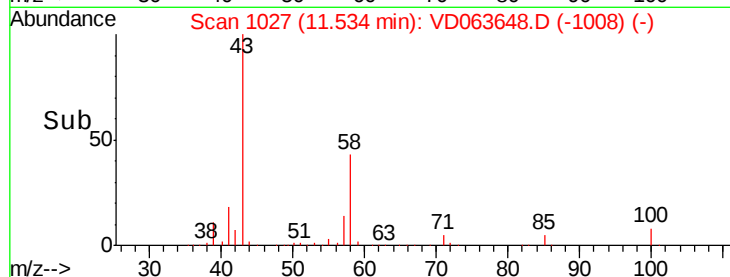
Tgt Ion: 43 Resp: 793249
Ion Ratio Lower Upper
43 100
58 42.7 23.1 69.2



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

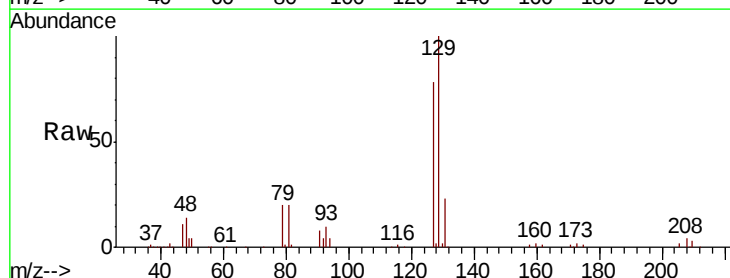


Time-->

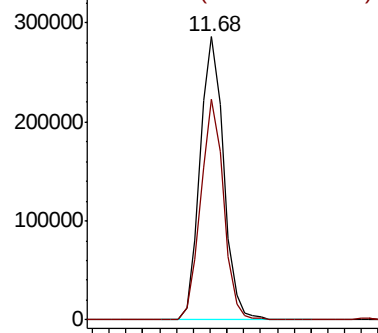


#60
Dibromochloromethane
Concen: 60.171 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

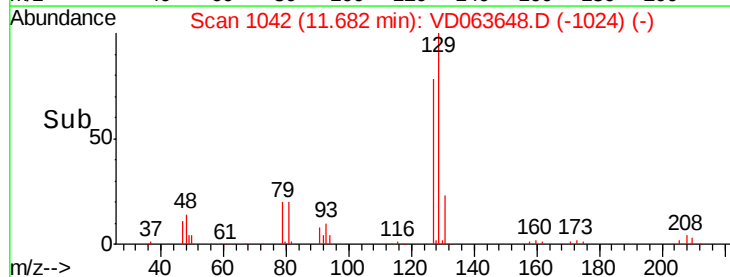
Tgt Ion: 129 Resp: 559458
Ion Ratio Lower Upper
129 100
127 77.8 37.8 113.4

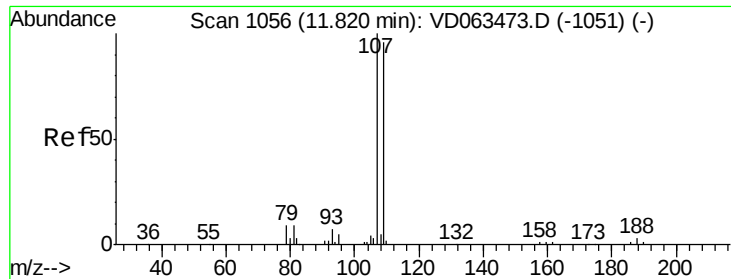


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->

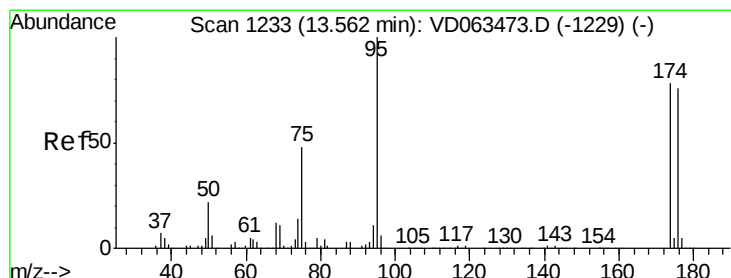
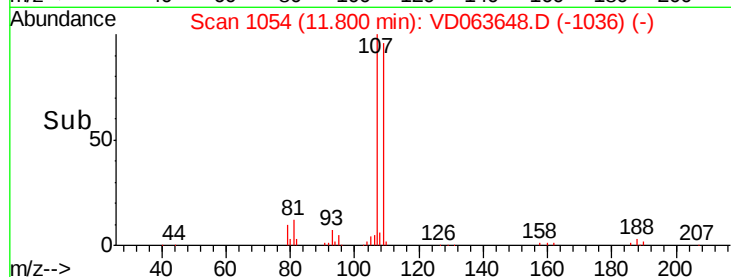
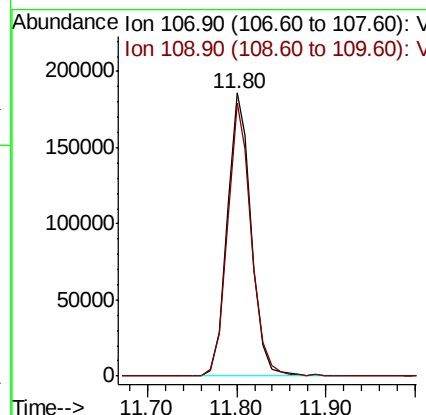
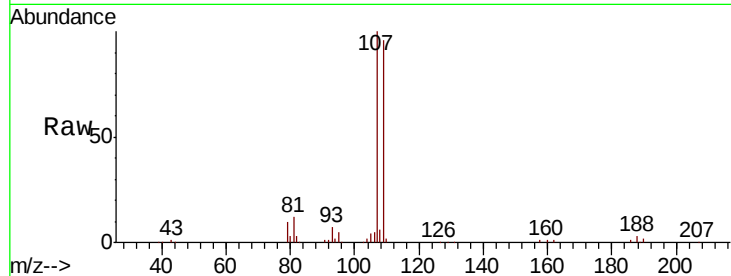




#61
 1,2-Dibromoethane
 Concen: 56.729 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

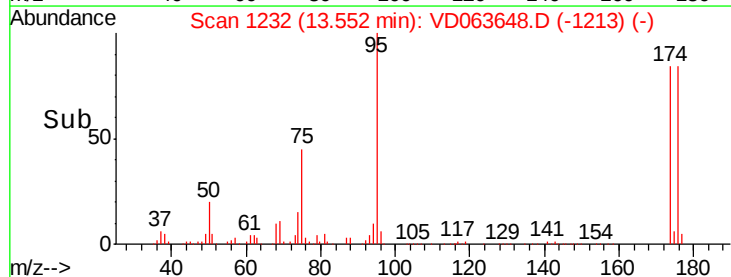
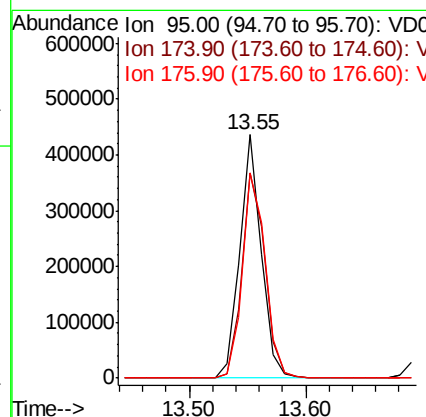
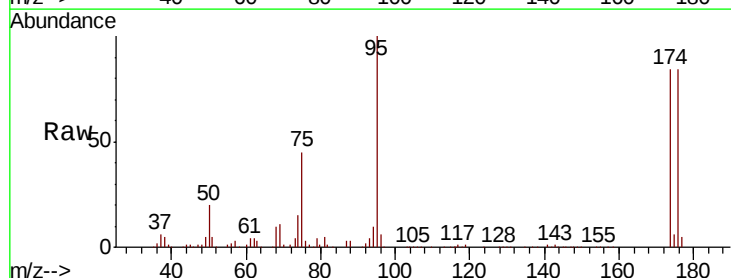
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

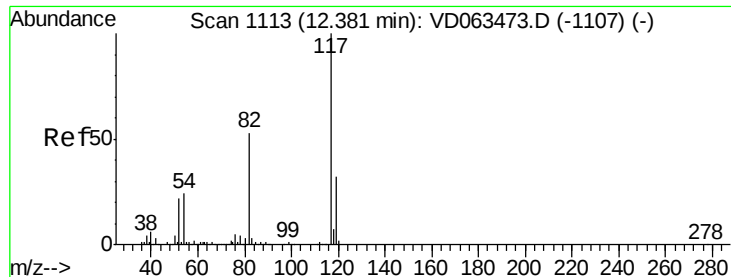
Tgt Ion: 107 Resp: 350908
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 54.833 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 95 Resp: 555521
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 155.4
 176 84.0 0.0 152.4

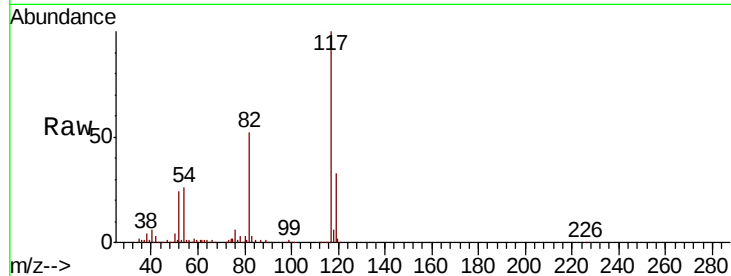




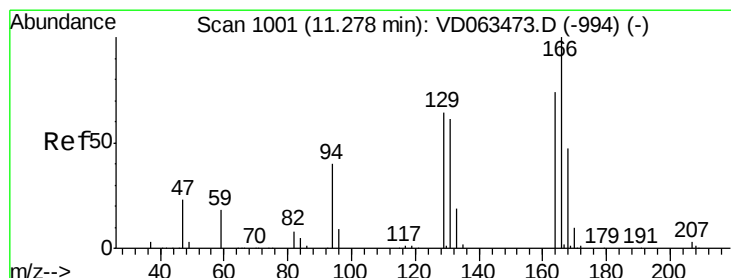
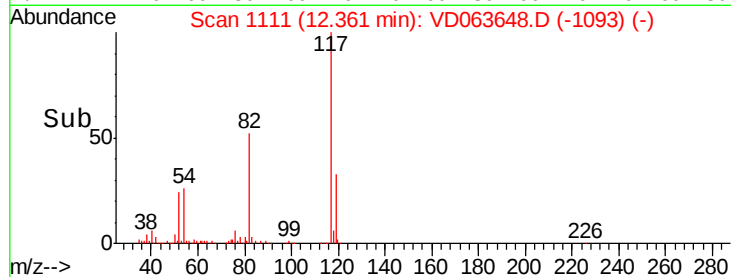
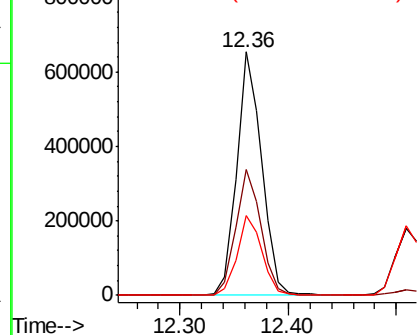
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1047407
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 32.7 25.4 38.0

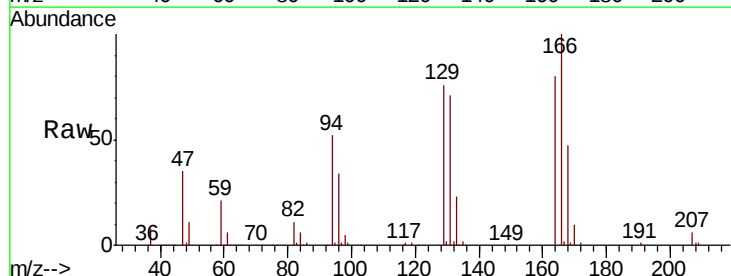


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

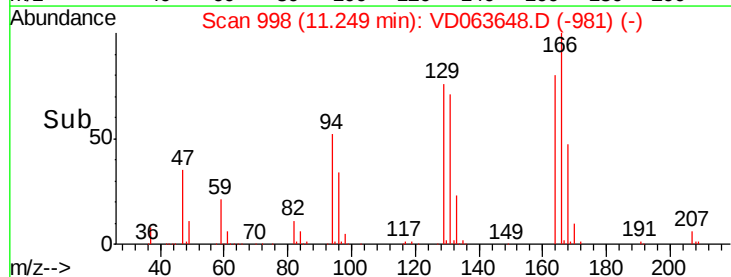
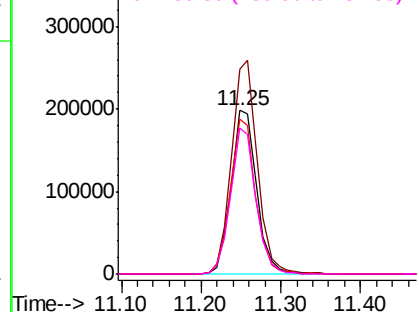


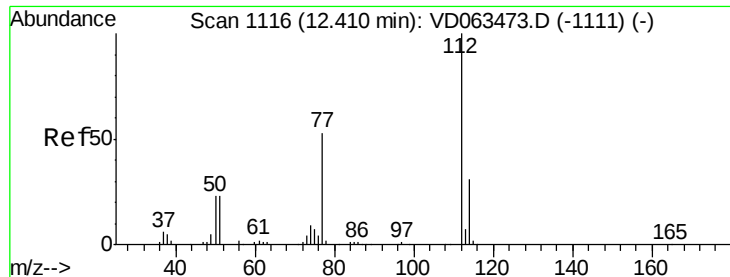
#64
Tetrachloroethene
Concen: 55.674 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion:164 Resp: 450160
Ion Ratio Lower Upper
164 100
166 125.5 108.6 163.0
129 94.9 69.0 103.6
131 89.4 66.6 99.8



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

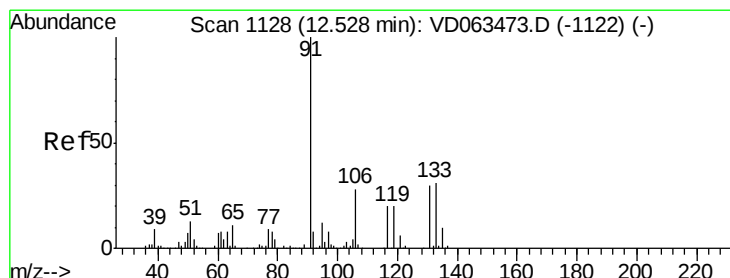
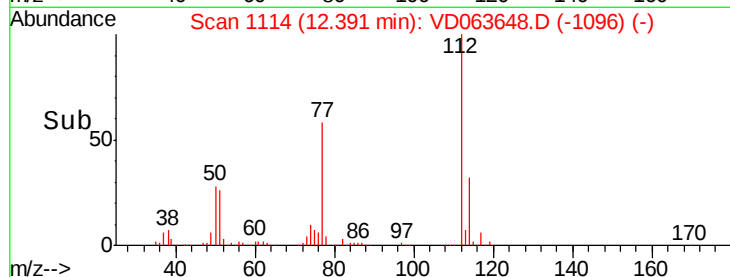
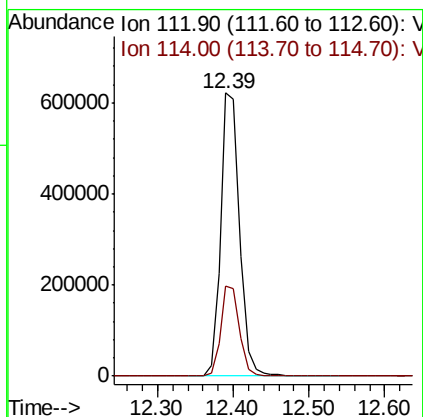
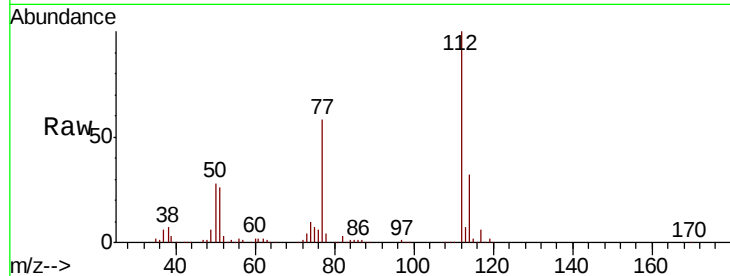




#65
Chlorobenzene
Concen: 55.100 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

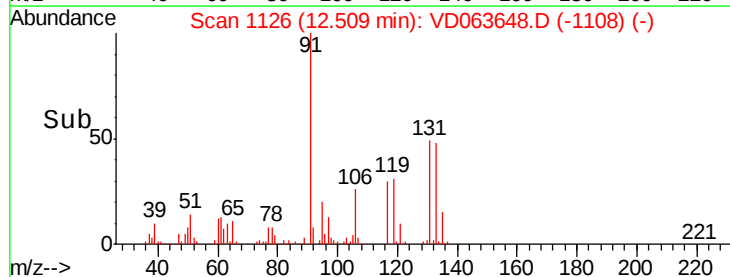
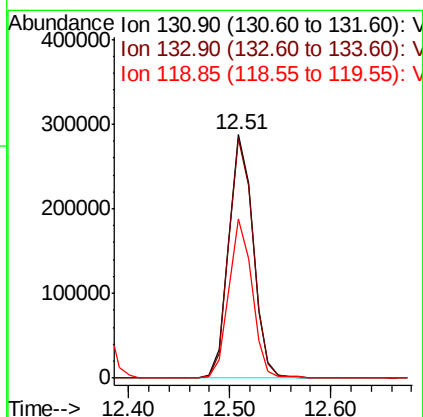
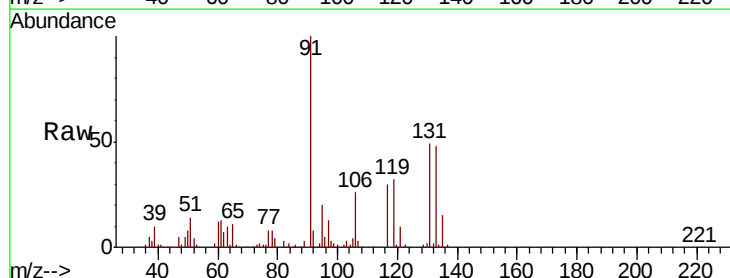
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 1081668
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.709 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion:131 Resp: 481294
Ion Ratio Lower Upper
131 100
133 98.7 51.1 153.3
119 65.1 33.1 99.3

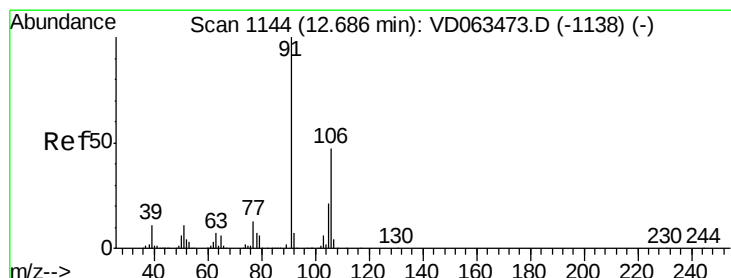
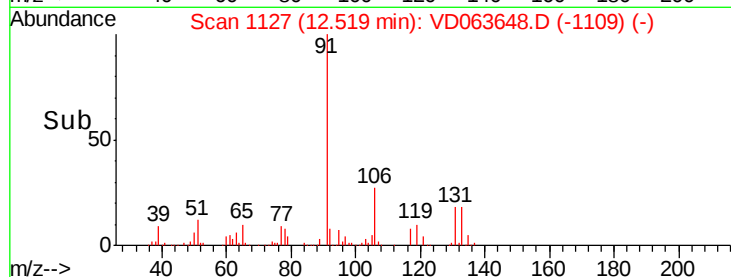
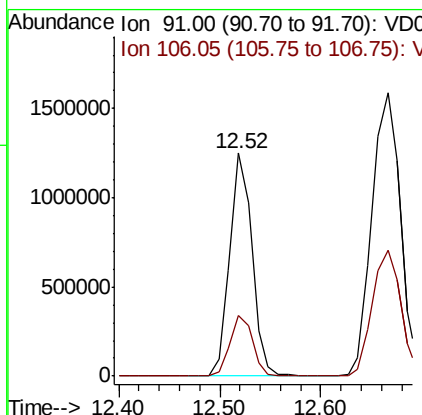
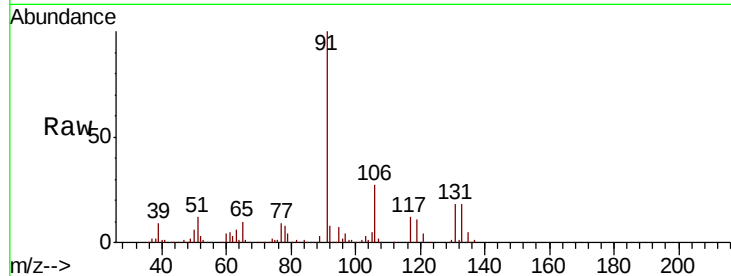




#67
Ethyl Benzene
Concen: 56.283 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

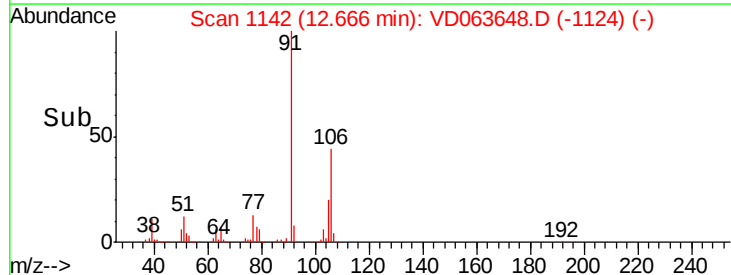
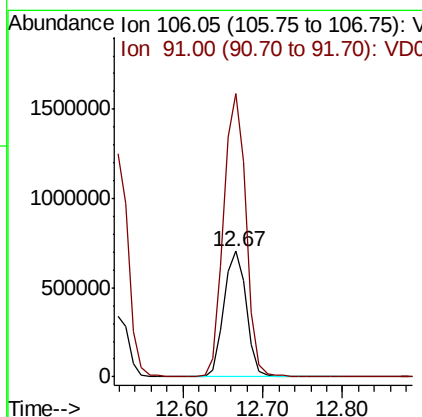
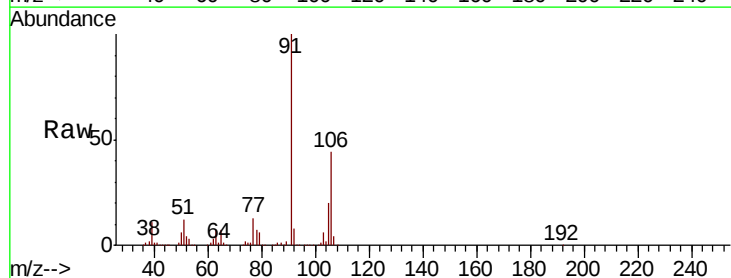
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

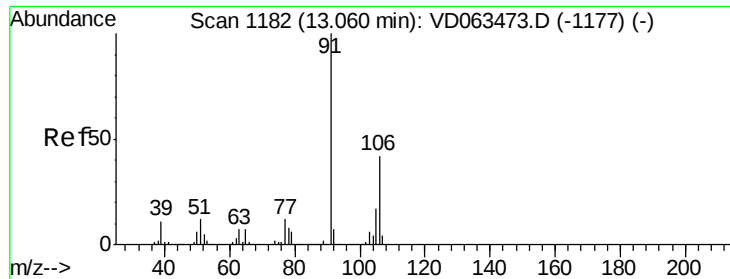
Tgt Ion: 91 Resp: 1921133
Ion Ratio Lower Upper
91 100
106 27.1 23.1 34.7



#68
m/p-Xylenes
Concen: 116.155 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 106 Resp: 1392948
Ion Ratio Lower Upper
106 100
91 225.8 171.8 257.8

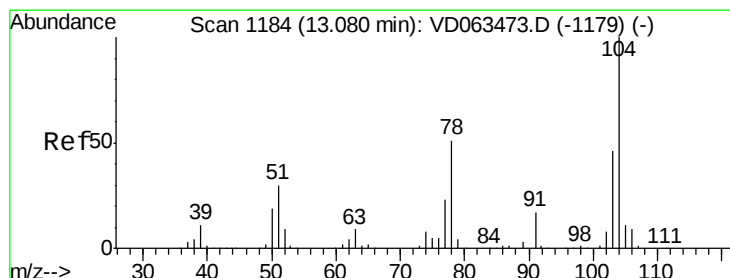
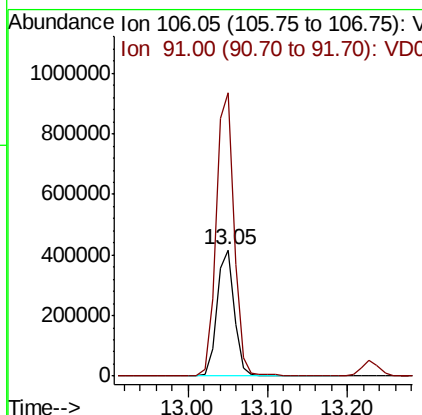
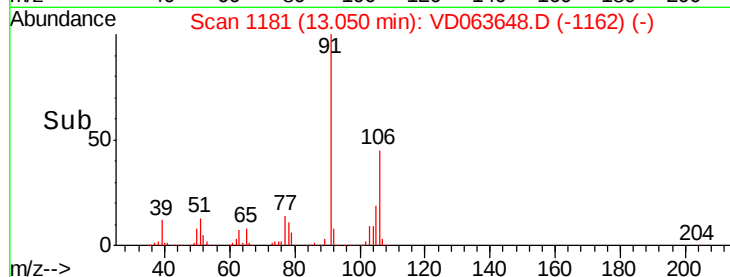
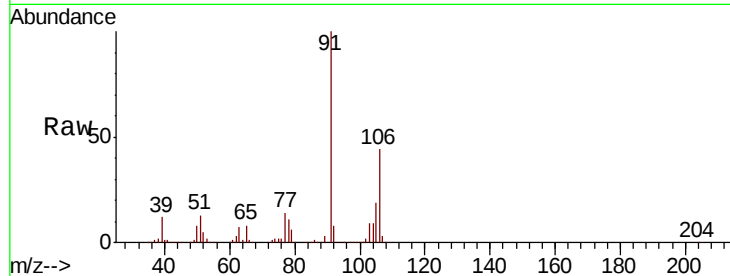




#69
o-Xylene
Concen: 55.521 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

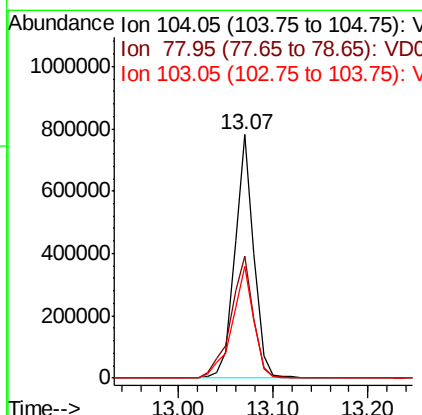
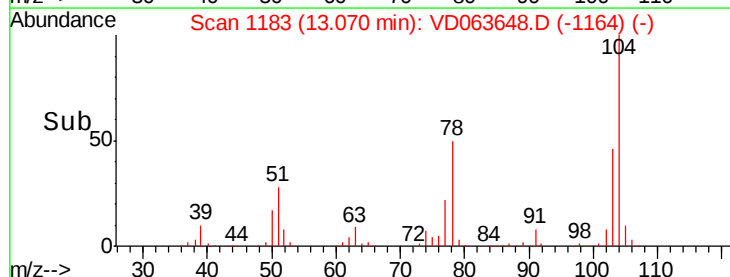
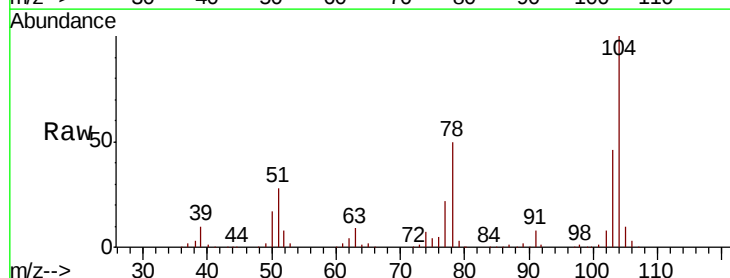
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

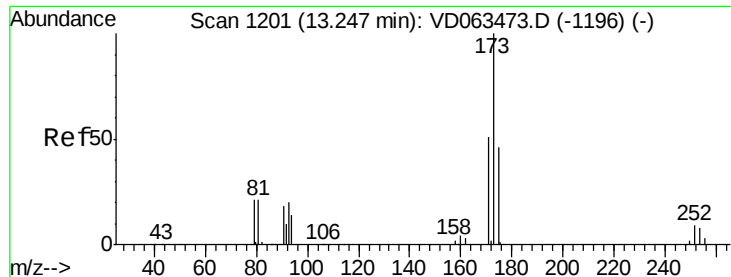
Tgt Ion:106 Resp: 640825
Ion Ratio Lower Upper
106 100
91 224.8 118.1 354.2



#70
Styrene
Concen: 52.683 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion:104 Resp: 1081624
Ion Ratio Lower Upper
104 100
78 50.3 40.8 61.2
103 46.1 36.4 54.6





#71

Bromoform

Concen: 57.389 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

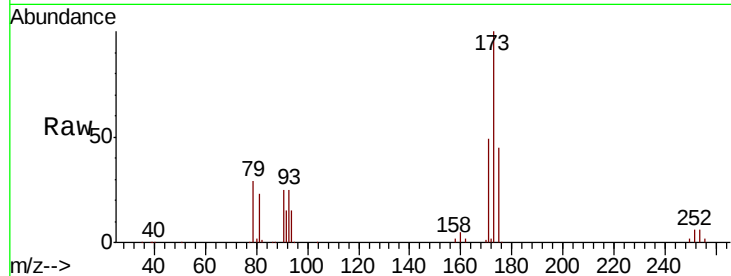
Tgt Ion:173 Resp: 339976

Ion Ratio Lower Upper

173 100

175 44.9 22.8 68.3

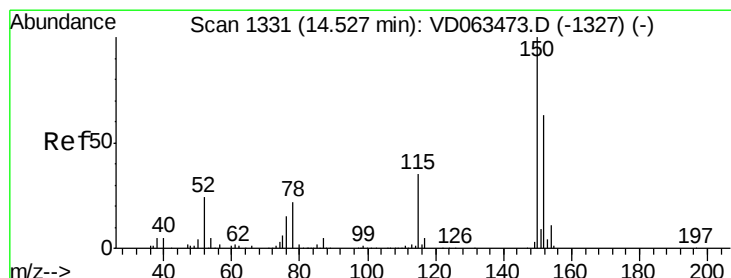
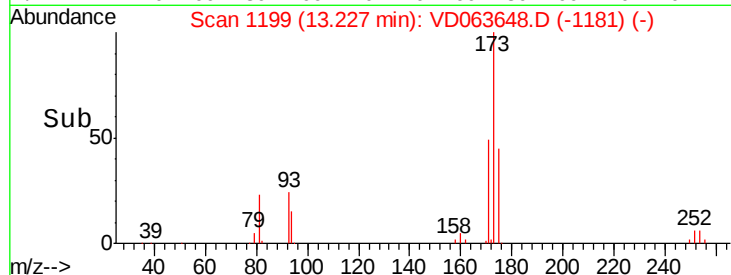
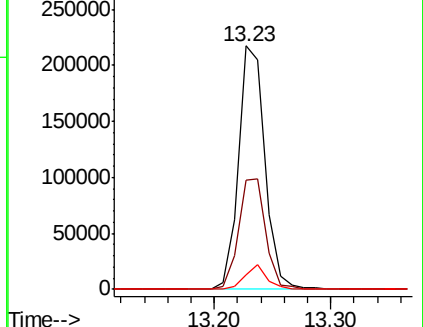
254 6.0 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

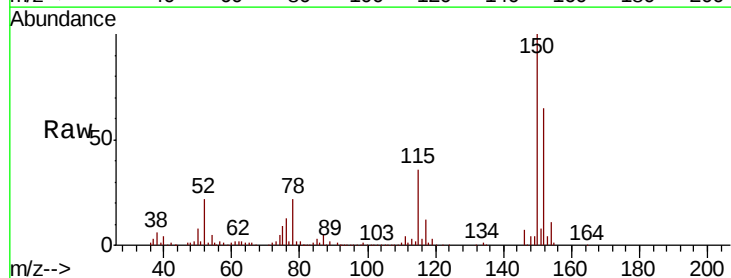
Tgt Ion:152 Resp: 546960

Ion Ratio Lower Upper

152 100

115 55.7 30.9 92.7

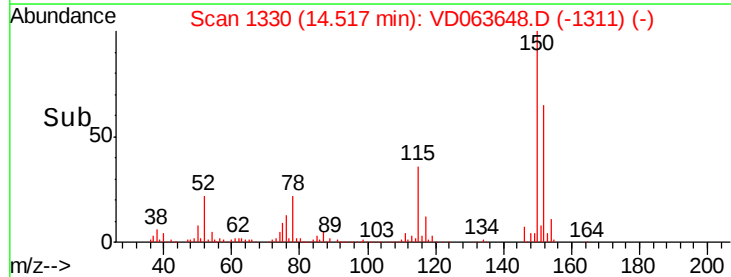
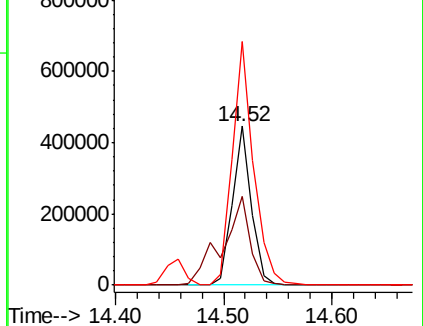
150 153.1 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.708 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

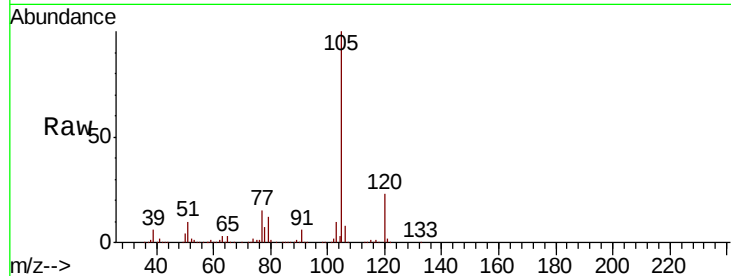
VSTDCCC050EC

Tgt Ion:105 Resp: 1903260

Ion Ratio Lower Upper

105 100

120 22.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

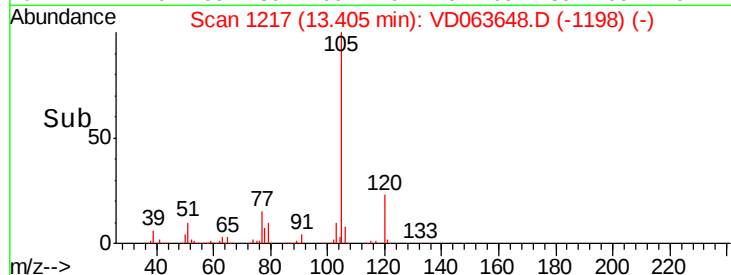
1500000

1000000

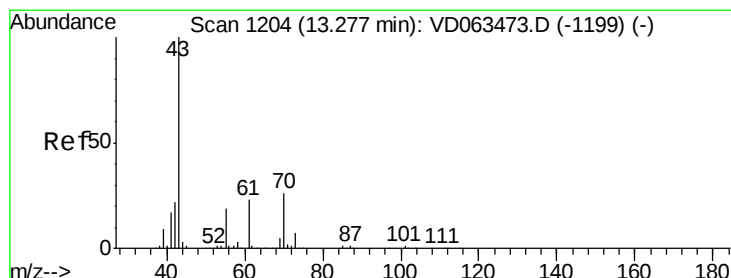
500000

0

13.30 13.40 13.50



Time-->



#74

N-ethyl acetate

Concen: 55.613 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Tgt Ion: 43 Resp: 485686

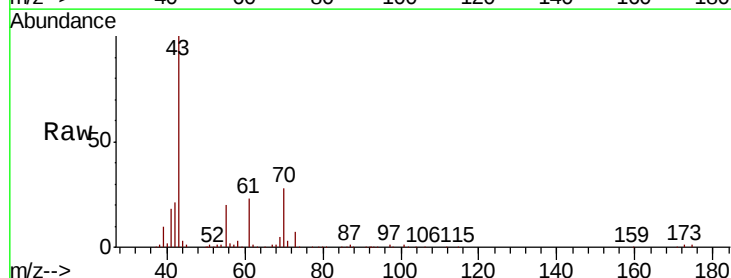
Ion Ratio Lower Upper

43 100

70 28.4 21.1 31.7

55 19.9 15.4 23.0

61 22.5 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

500000

400000

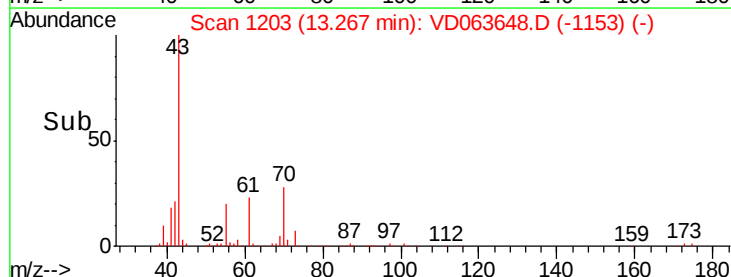
300000

200000

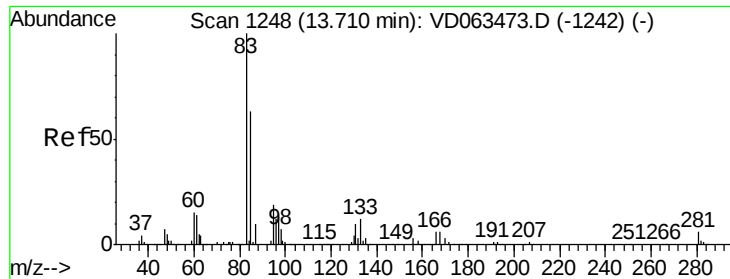
100000

0

13.20 13.30 13.40



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 54.649 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

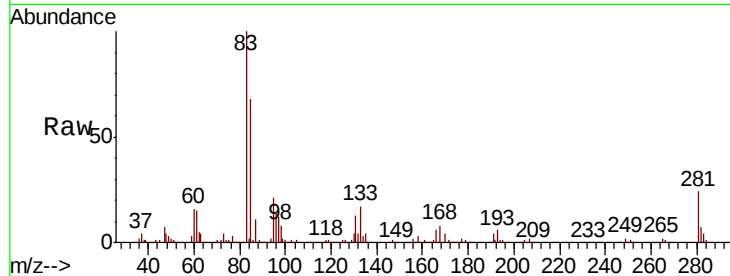
Tgt Ion: 83 Resp: 315569

Ion Ratio Lower Upper

83 100

131 12.8 5.3 15.8

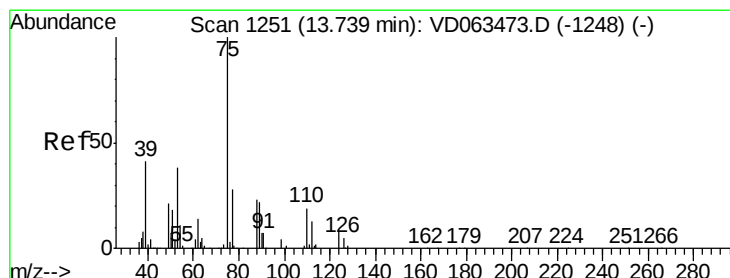
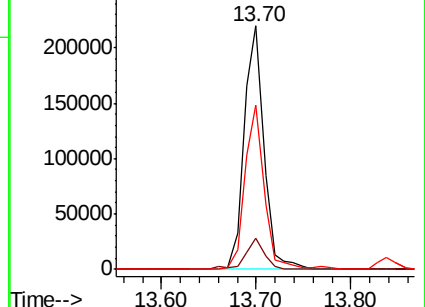
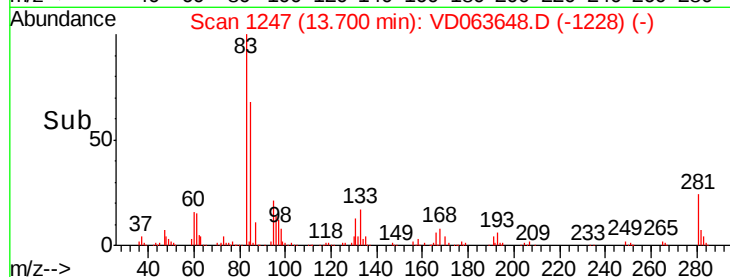
85 67.7 31.4 94.3



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: 56.898 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063648.D

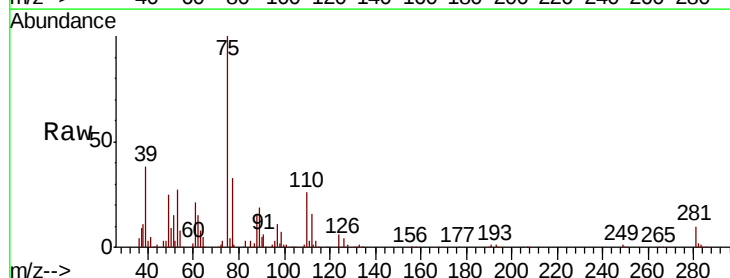
Acq: 16 Aug 2019 19:52

Tgt Ion: 75 Resp: 357163

Ion Ratio Lower Upper

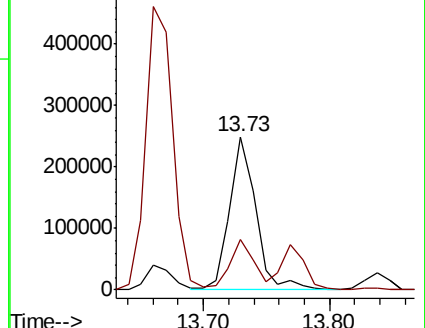
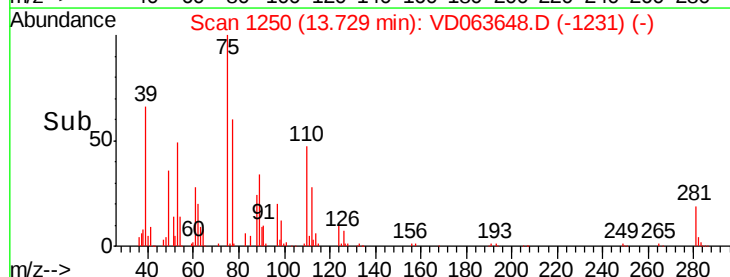
75 100

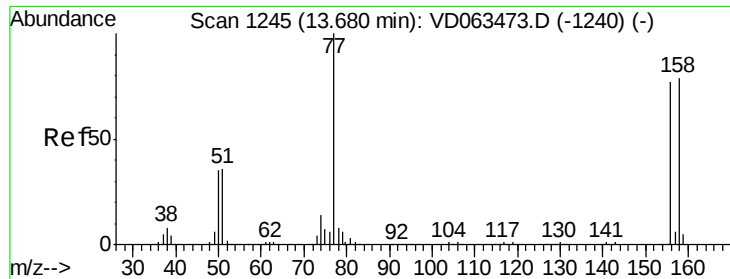
77 33.3 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.320 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

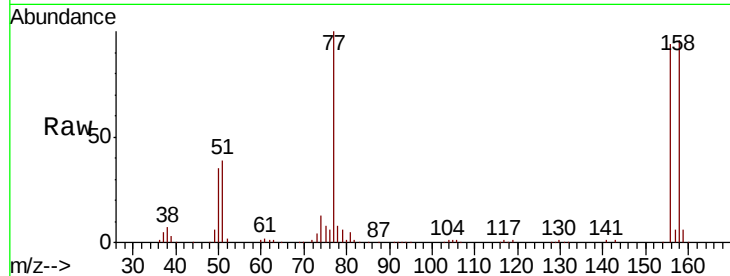
Tgt Ion:156 Resp: 545010

Ion Ratio Lower Upper

156 100

77 106.8 64.6 193.8

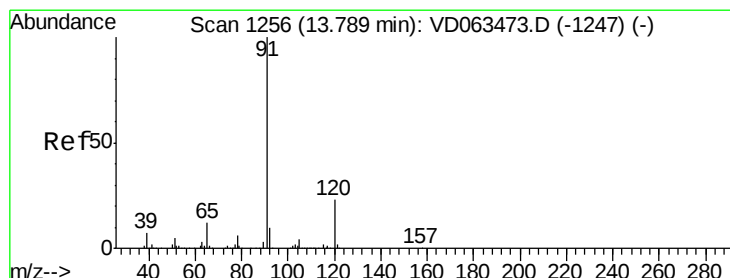
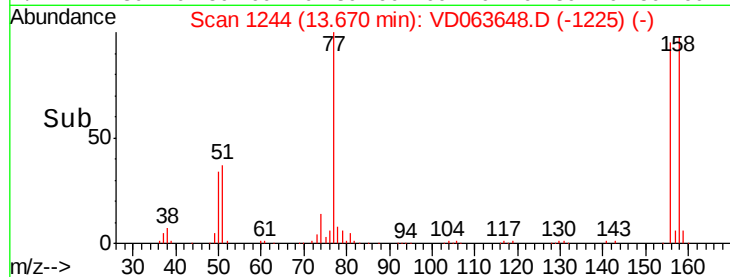
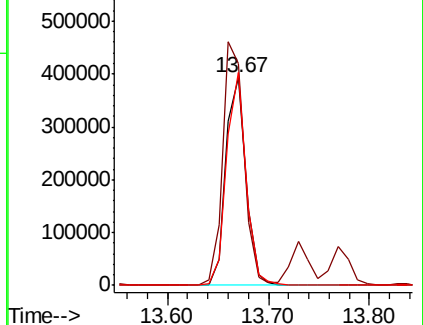
158 102.7 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.685 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063648.D

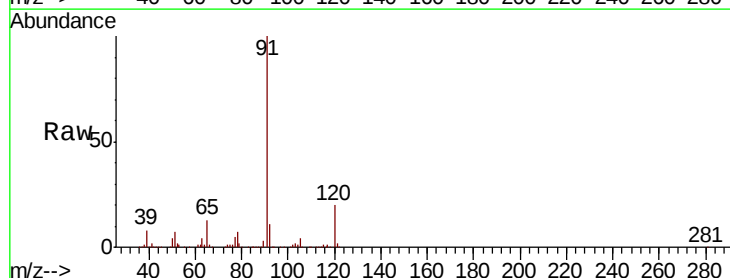
Acq: 16 Aug 2019 19:52

Tgt Ion: 91 Resp: 2225952

Ion Ratio Lower Upper

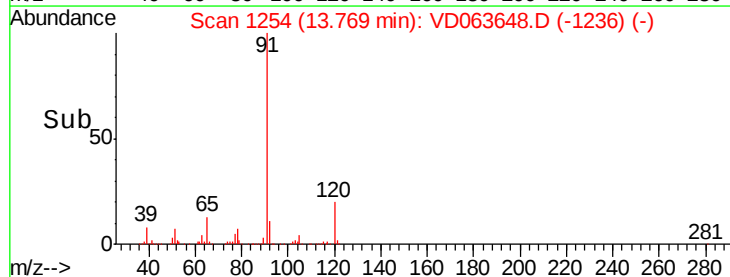
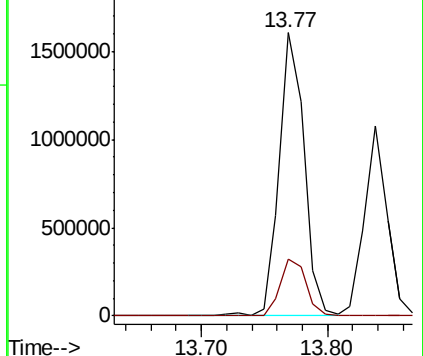
91 100

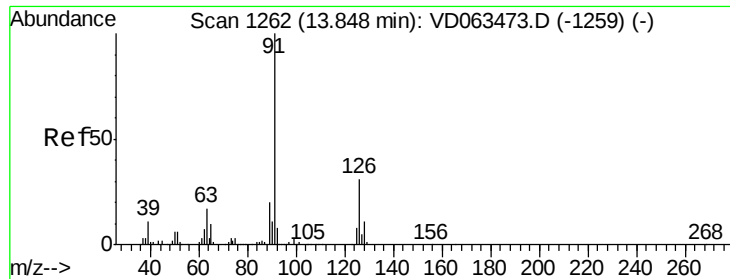
120 19.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

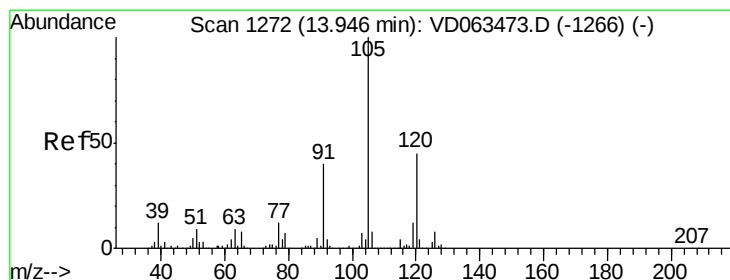
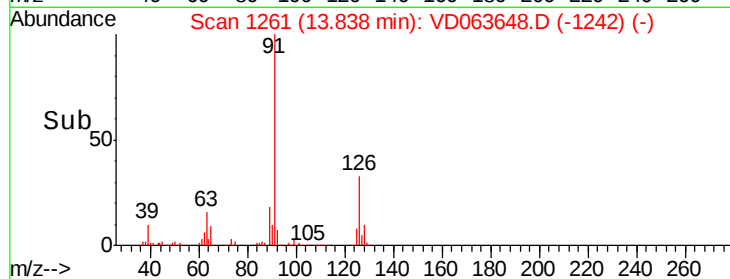
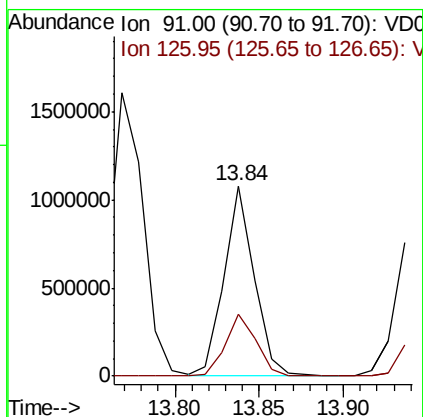
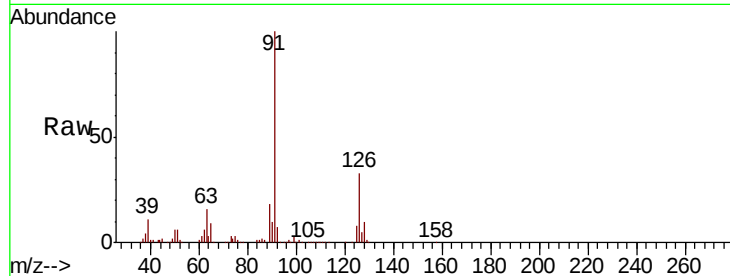




#79
 2-Chlorotoluene
 Concen: 57.319 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

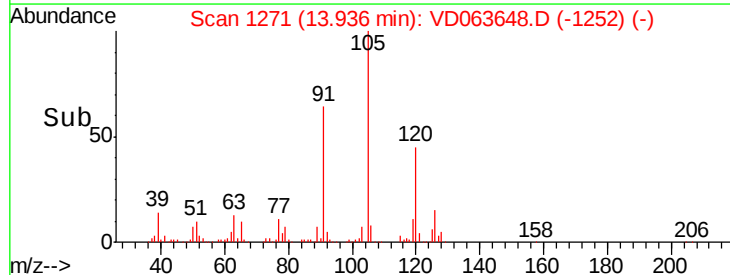
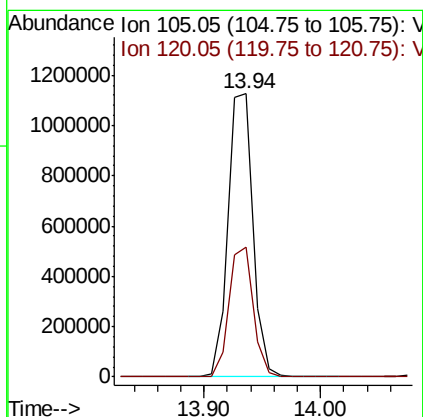
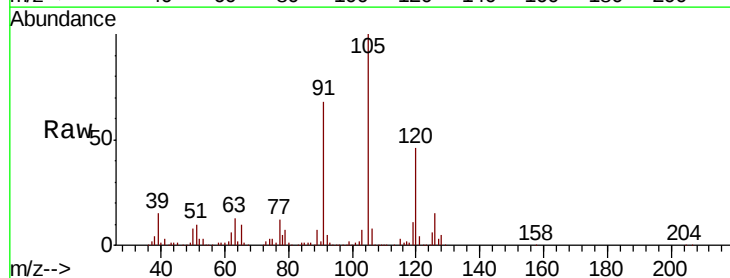
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

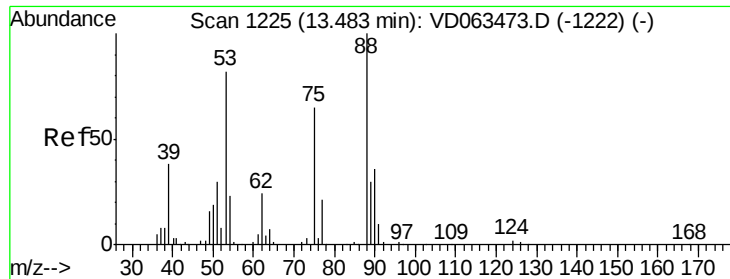
Tgt Ion: 91 Resp: 1345258
 Ion Ratio Lower Upper
 91 100
 126 32.6 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 54.855 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 105 Resp: 1667425
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.3

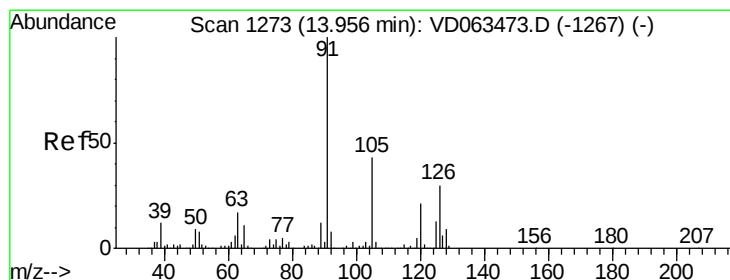
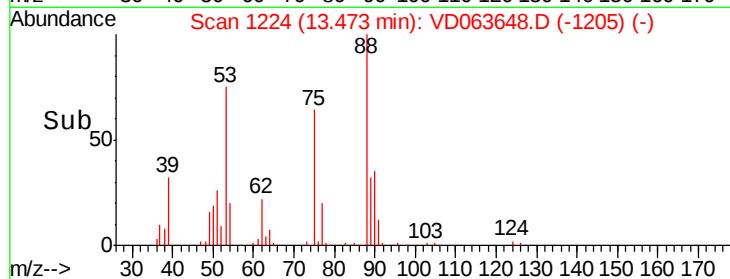
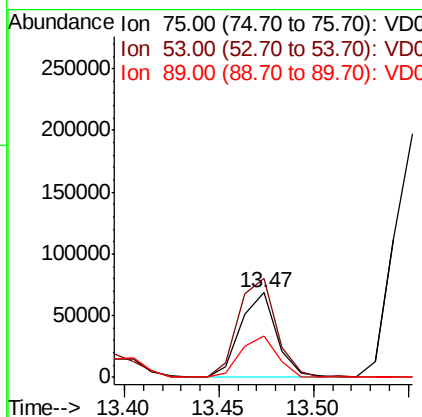
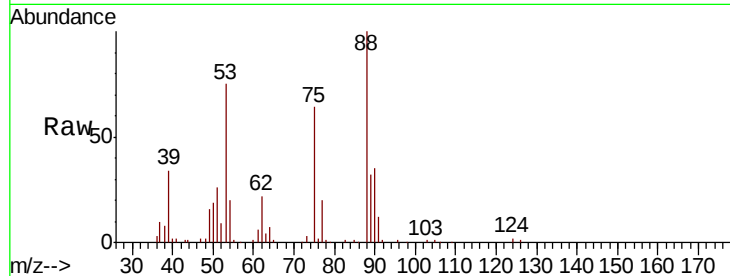




#81
trans-1,4-Dichloro-2-butene
Concen: 54.252 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

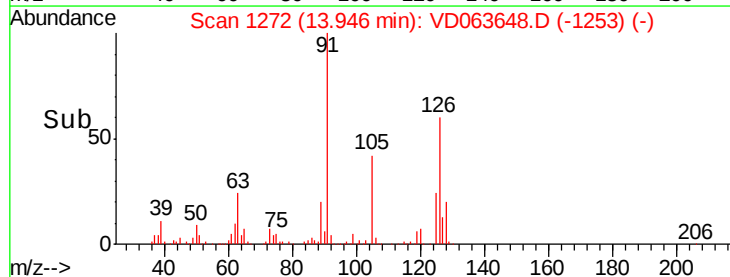
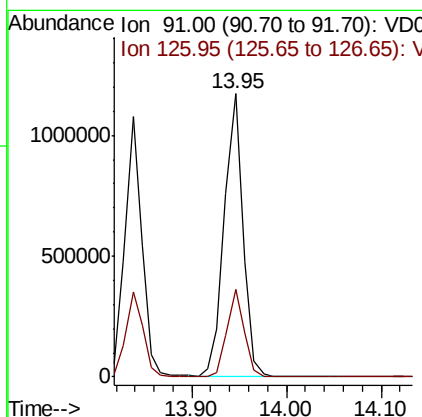
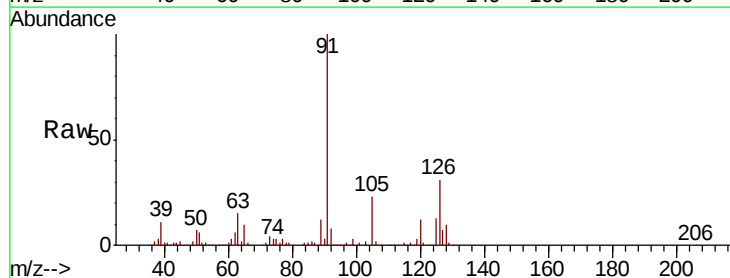
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

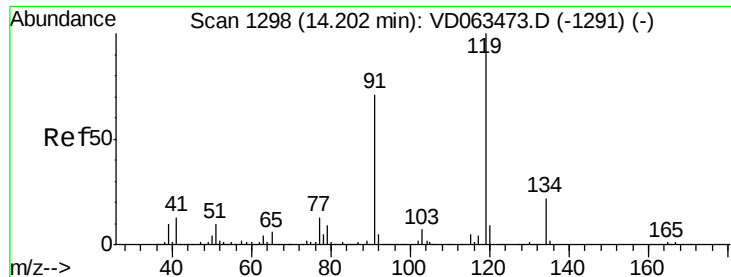
Tgt Ion: 75 Resp: 91533
Ion Ratio Lower Upper
75 100
53 117.2 101.0 151.4
89 49.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 57.075 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion: 91 Resp: 1610782
Ion Ratio Lower Upper
91 100
126 31.0 15.2 45.6

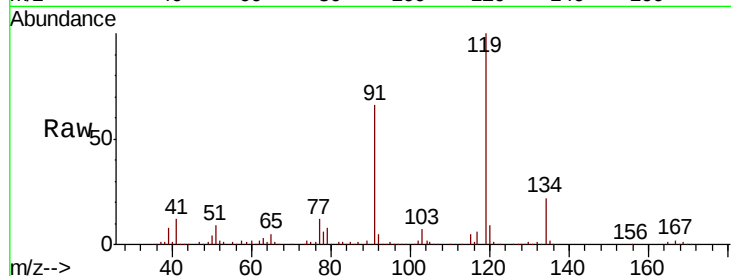




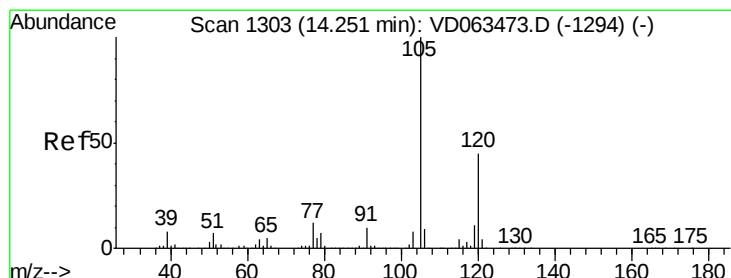
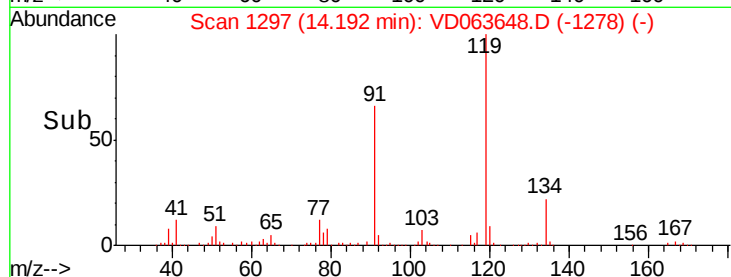
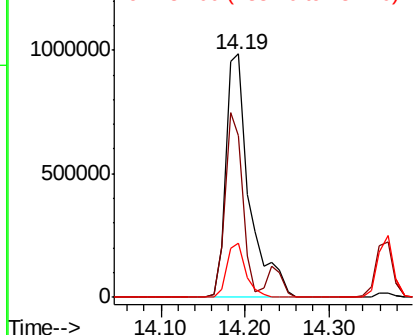
#83
 tert-Butylbenzene
 Concen: 59.710 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1911274
 Ion Ratio Lower Upper
 119 100
 91 66.2 35.5 106.7
 134 22.1 11.1 33.1

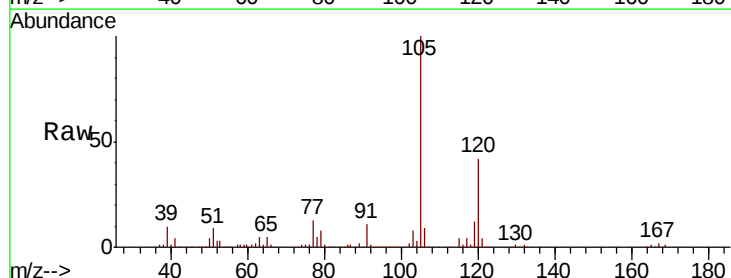


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

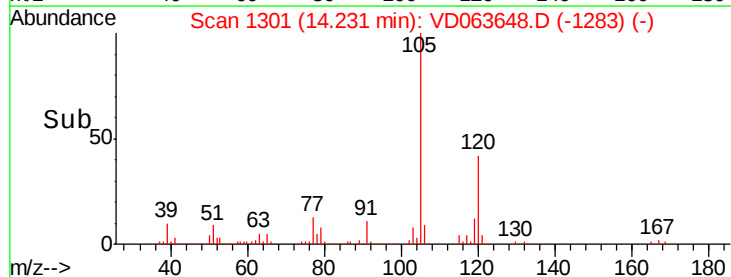
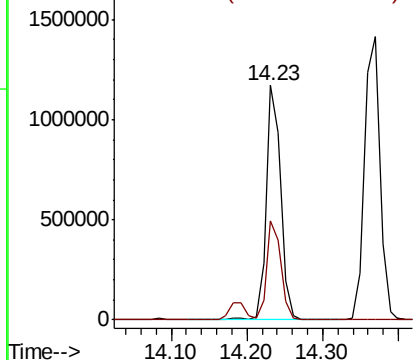


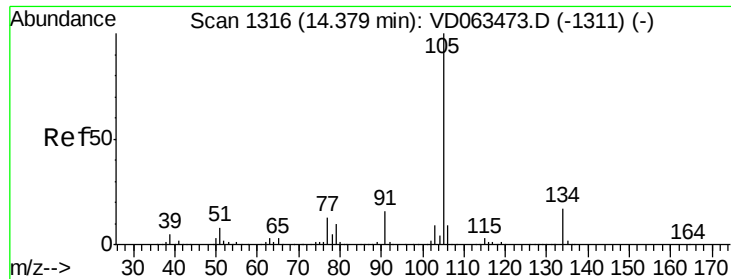
#84
 1,2,4-Trimethylbenzene
 Concen: 55.923 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion:105 Resp: 1572850
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.7 68.1



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

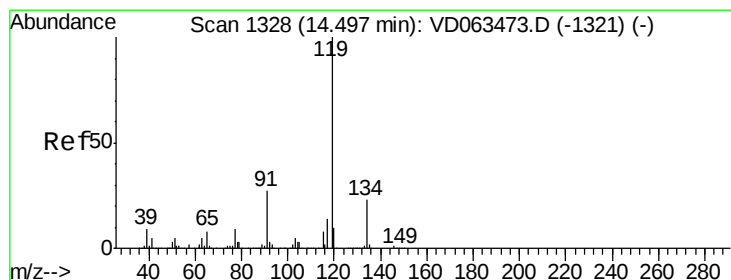
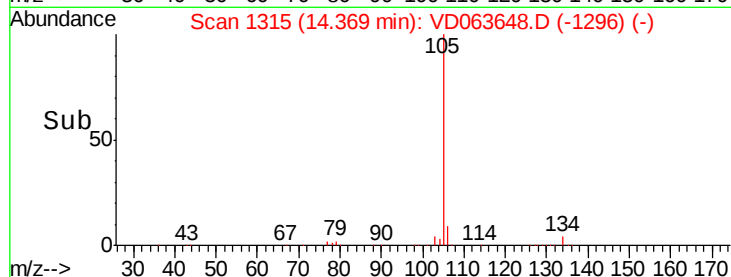
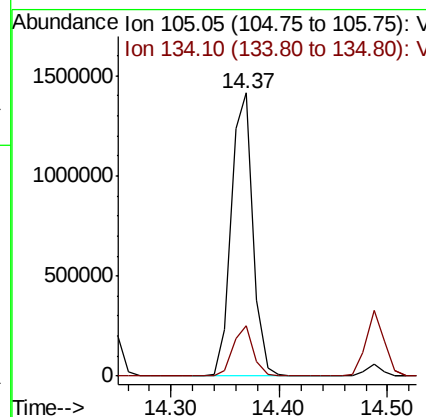
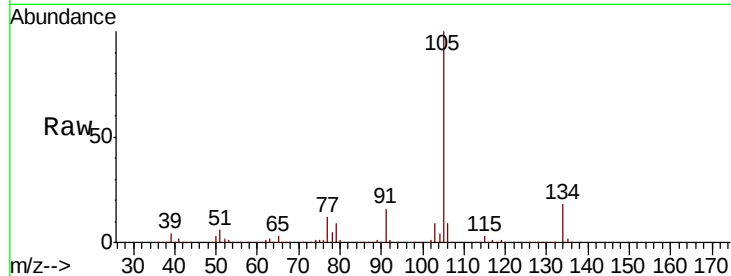




#85
 sec-Butylbenzene
 Concen: 57.759 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

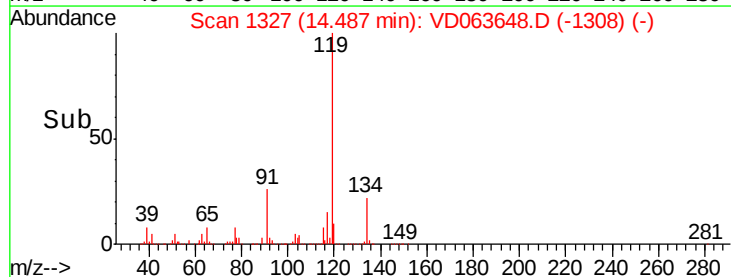
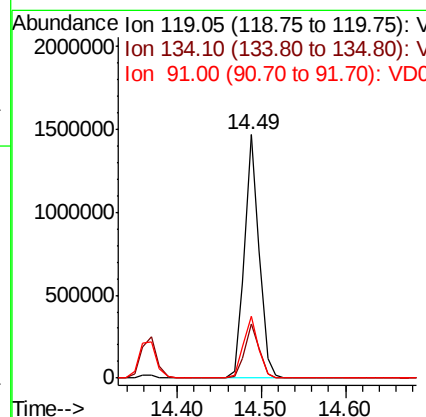
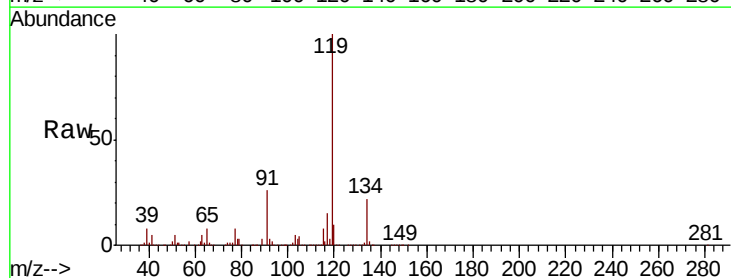
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

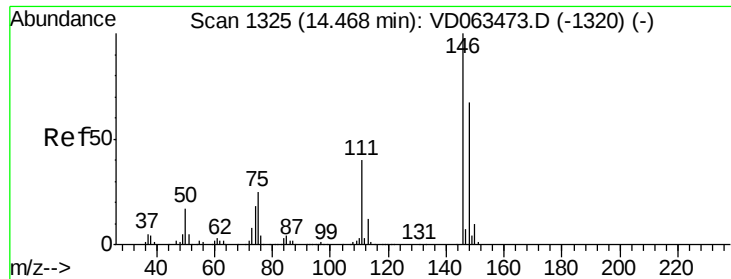
Tgt Ion:105 Resp: 1963393
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 54.794 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion:119 Resp: 1780930
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.3 33.8
 91 25.6 13.5 40.4

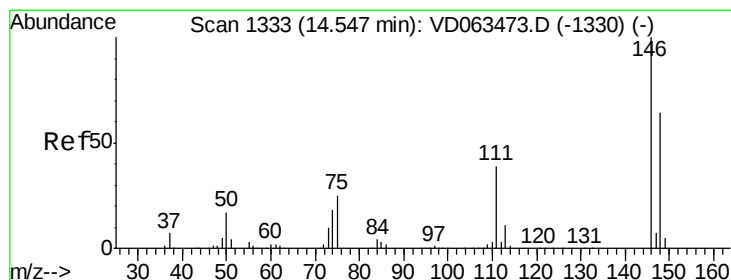
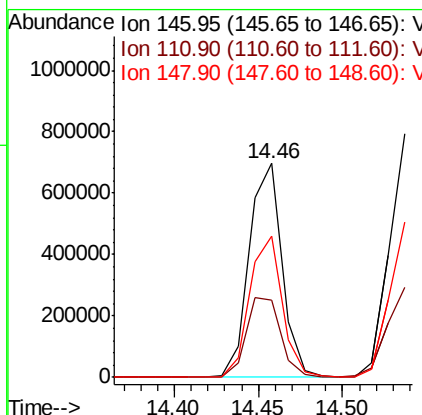
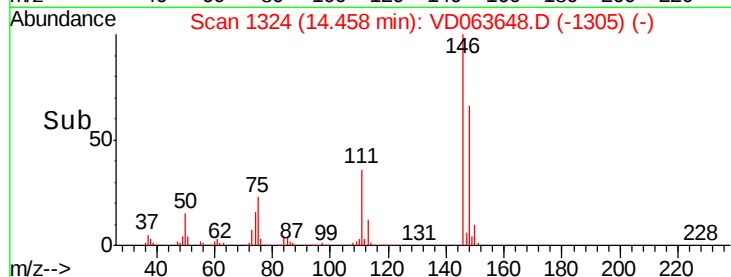
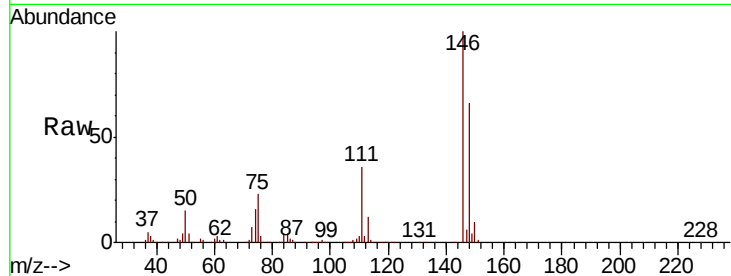




#87
 1,3-Dichlorobenzene
 Concen: 54.966 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

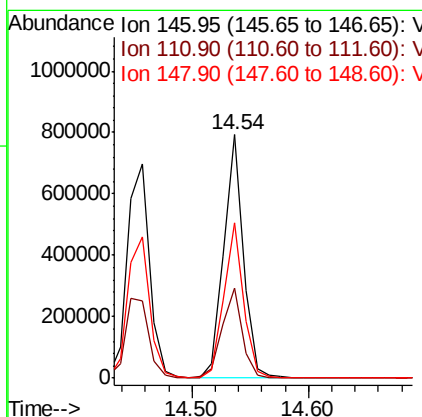
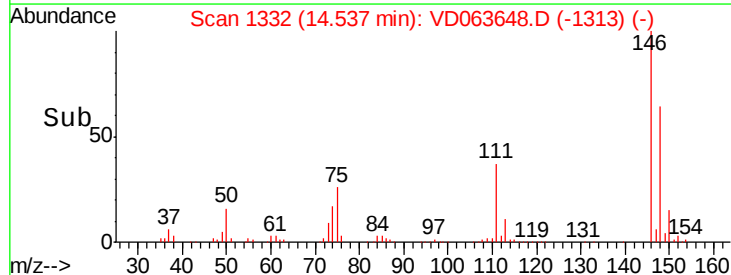
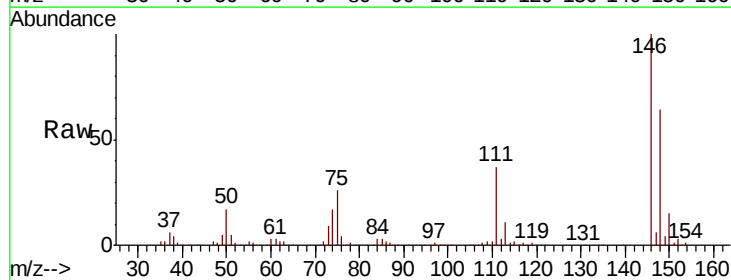
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

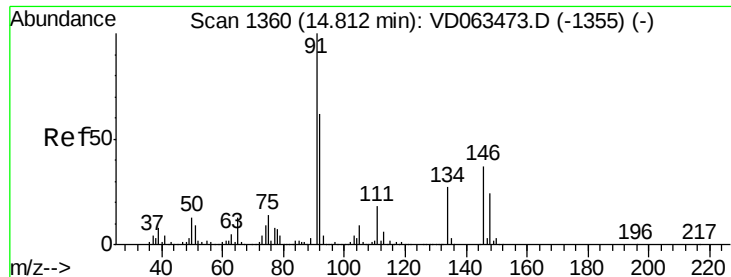
Tgt Ion:146 Resp: 945333
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.0 60.0
 148 66.1 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 56.278 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion:146 Resp: 928619
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.7 59.0
 148 63.9 32.1 96.3





#89

n-Butylbenzene

Concen: 54.426 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063648.D

Acq: 16 Aug 2019 19:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

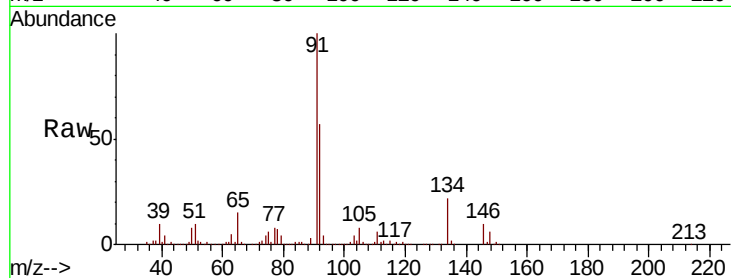
Tgt Ion: 91 Resp: 1614496

Ion Ratio Lower Upper

91 100

92 57.4 30.8 92.3

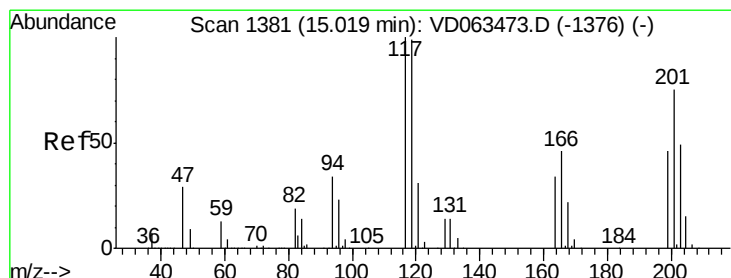
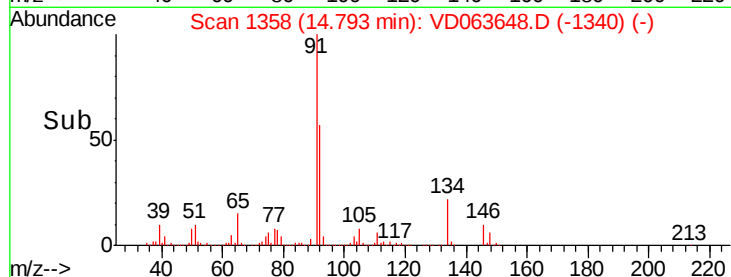
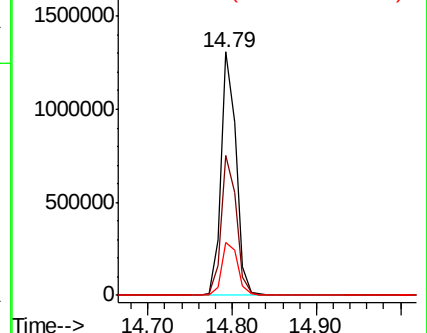
134 21.7 13.4 40.2



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): V



#90

Hexachloroethane

Concen: 59.476 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063648.D

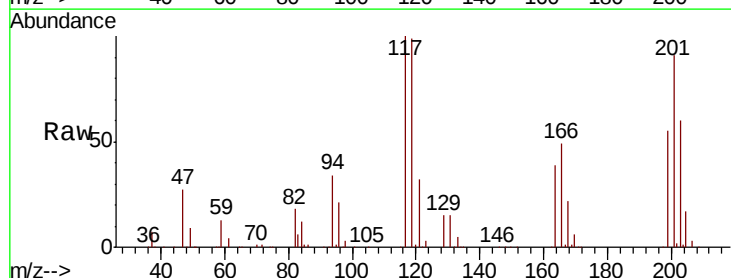
Acq: 16 Aug 2019 19:52

Tgt Ion: 117 Resp: 485882

Ion Ratio Lower Upper

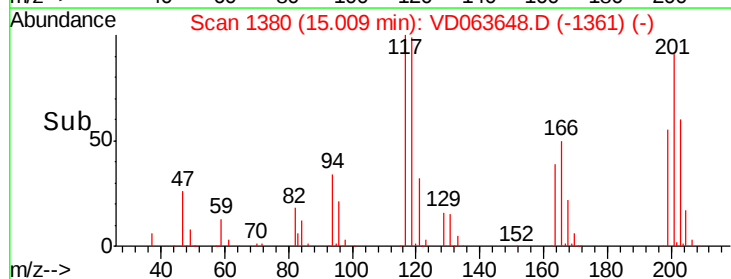
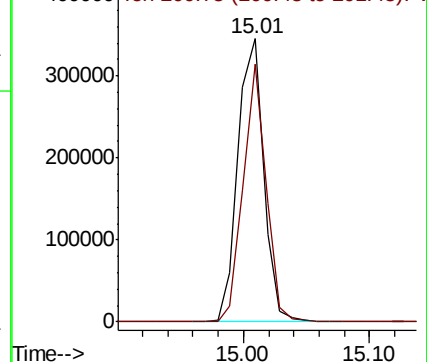
117 100

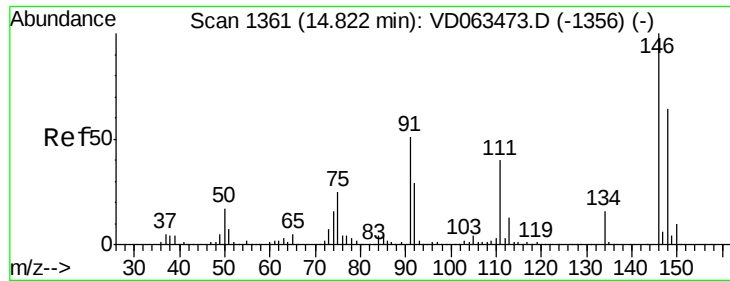
201 91.2 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

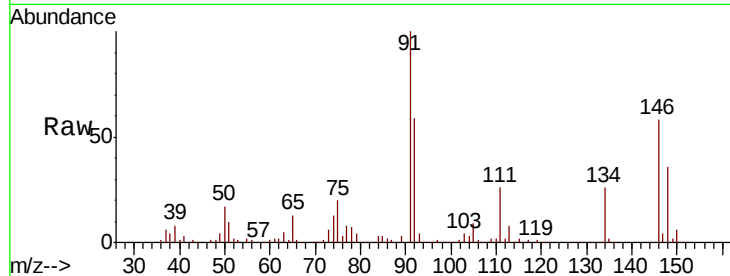




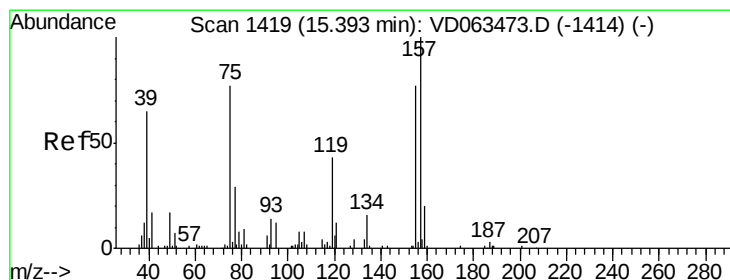
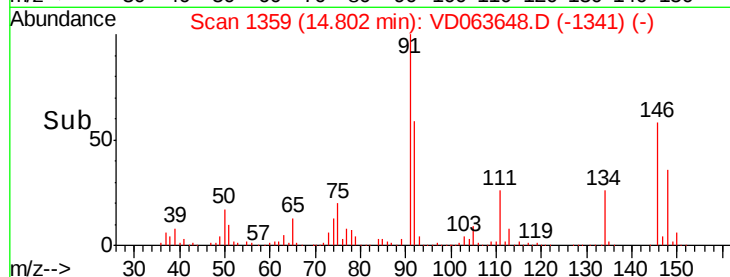
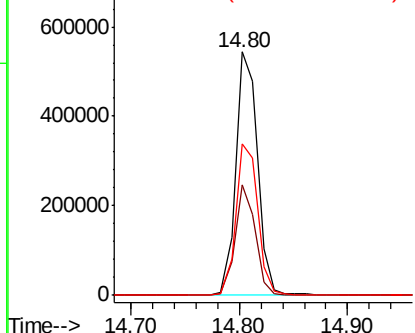
#91
 1,2-Dichlorobenzene
 Concen: 52.024 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 759114
 Ion Ratio Lower Upper
 146 100
 111 45.4 20.2 60.6
 148 62.1 32.1 96.5

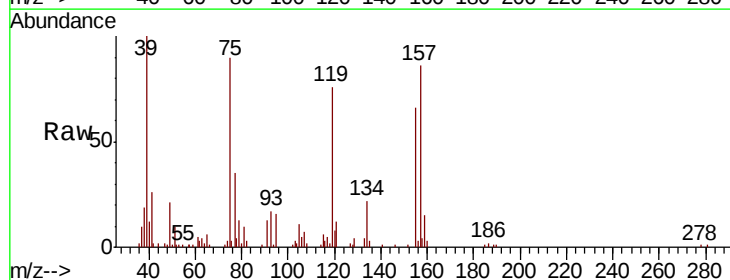


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

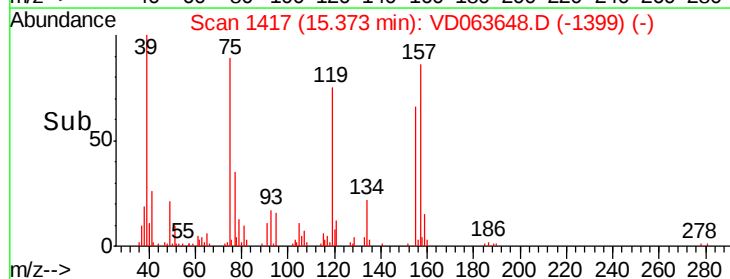
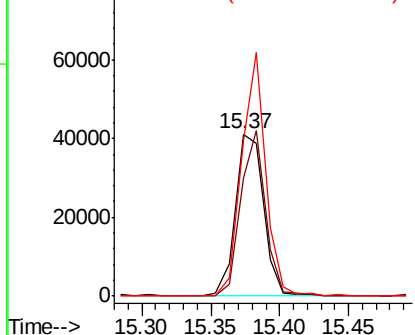


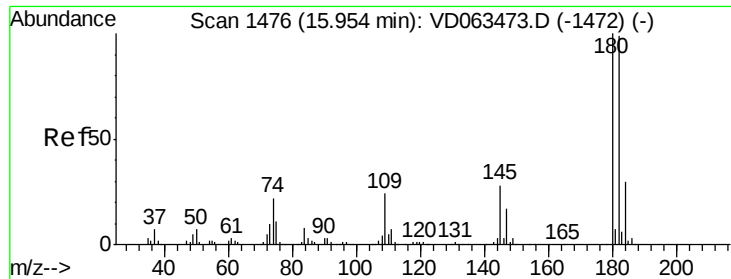
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.089 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion: 75 Resp: 58810
 Ion Ratio Lower Upper
 75 100
 155 73.1 50.1 150.3
 157 95.9 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

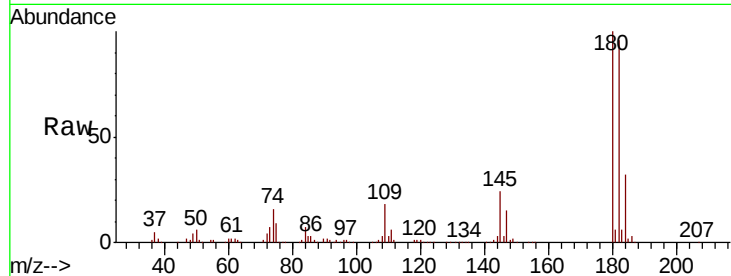




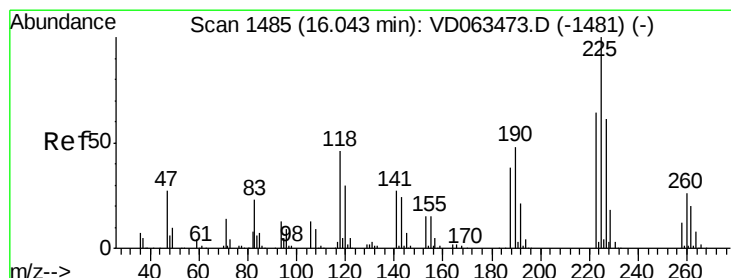
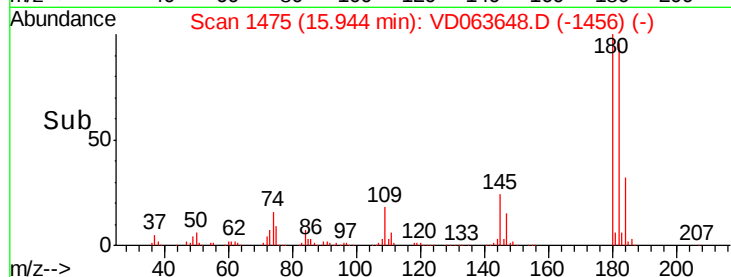
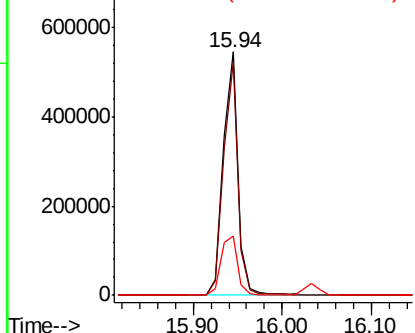
#93
 1,2,4-Trichlorobenzene
 Concen: 59.874 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 642864
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.7 149.1
 145 24.4 14.1 42.2

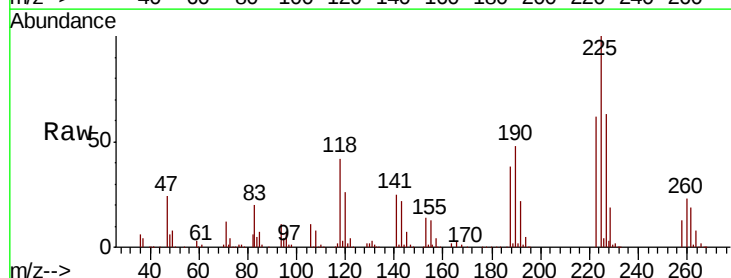


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

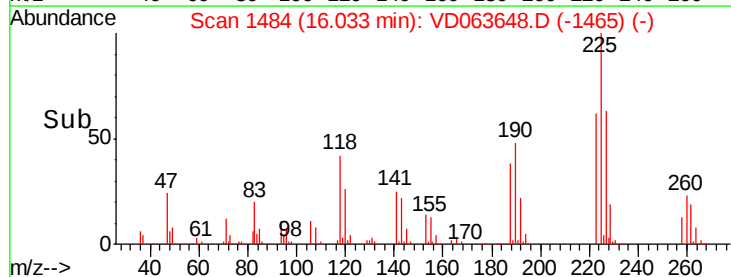
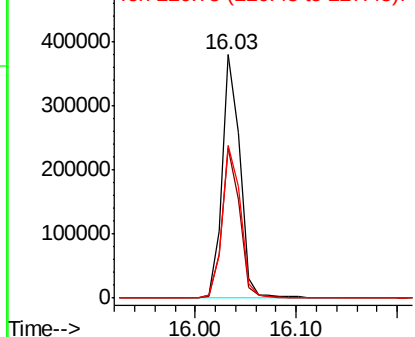


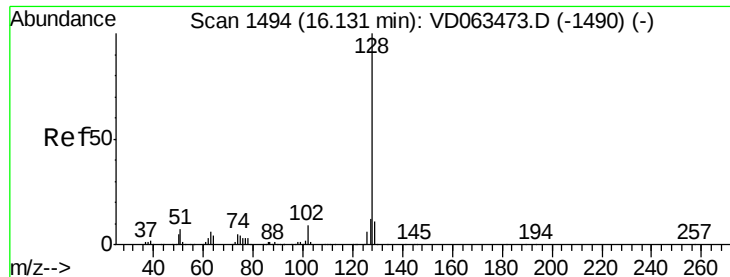
#94
 Hexachlorobutadiene
 Concen: 57.783 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063648.D
 Acq: 16 Aug 2019 19:52

Tgt Ion:225 Resp: 472840
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.9 95.5
 227 62.6 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

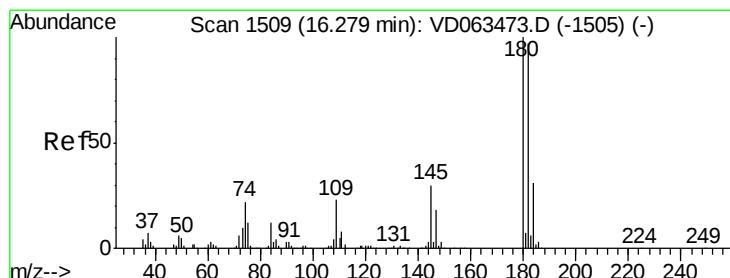
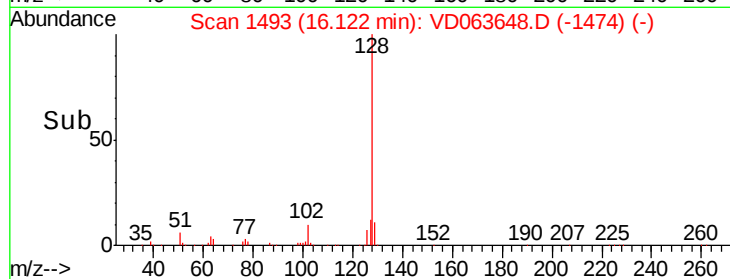
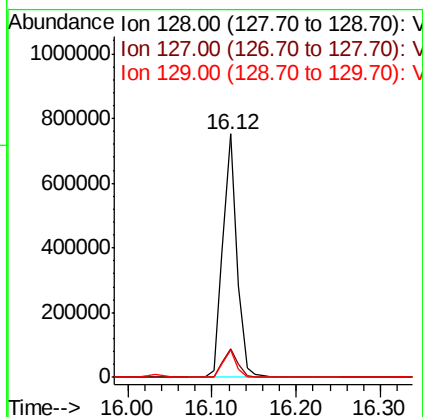
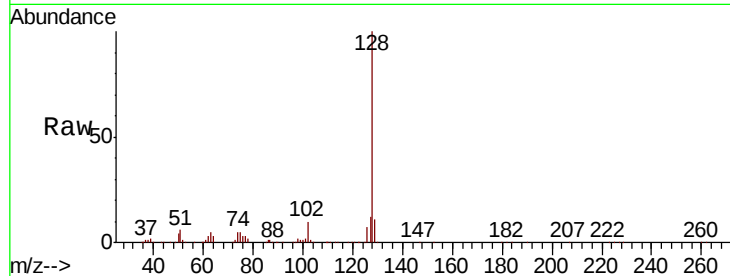




#95
Naphthalene
Concen: 54.268 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.4	14.0
129	11.0	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 59.827 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063648.D
Acq: 16 Aug 2019 19:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.4	145.2
145	28.9	14.9	44.9

