

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063705.D
 Acq On : 21 Aug 2019 11:25
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 22 01:23:33 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	1090240	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1451468	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1213459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	669607	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	558871	47.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	6.92	113	625320	51.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.41	98	1453101	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	13.55	95	618041	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	580822	44.035	ug/l	96
3) Chloromethane	1.74	50	426165	41.353	ug/l	100
4) Vinyl Chloride	1.84	62	463284	45.285	ug/l	97
5) Bromomethane	2.14	94	218597	45.284	ug/l	93
6) Chloroethane	2.26	64	238167	50.909	ug/l	92
7) Trichlorofluoromethane	2.52	101	972131	48.445	ug/l	99
8) Diethyl Ether	2.86	74	130838	46.180	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	526544	44.438	ug/l	89
10) Methyl Iodide	3.29	142	749184	44.687	ug/l	91
11) Tert butyl alcohol	4.07	59	129063	254.404	ug/l	97
12) 1,1-Dichloroethene	3.11	96	389678	44.233	ug/l	99
13) Acrolein	3.02	56	105014	210.298	ug/l	92
14) Allyl chloride	3.61	41	643037	48.555	ug/l	96
15) Acrylonitrile	4.19	53	321185	239.020	ug/l	94
16) Acetone	3.22	43	649253	274.063	ug/l	100
17) Carbon Disulfide	3.36	76	1215318	43.711	ug/l	98
18) Methyl Acetate	3.64	43	204695	45.618	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	925403	52.525	ug/l	100
20) Methylene Chloride	3.80	84	424663	41.455	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	440347	47.500	ug/l	96
22) Diisopropyl ether	5.12	45	1347605	49.312	ug/l	100
23) Vinyl Acetate	5.05	43	4098013	257.943	ug/l	98
24) 1,1-Dichloroethane	4.97	63	847695	50.012	ug/l	98
25) 2-Butanone	6.06	43	603206	257.813	ug/l	99
26) 2,2-Dichloropropane	6.01	77	864796	51.224	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	502293	49.522	ug/l	93
28) Bromochloromethane	6.43	49	344648	50.171	ug/l	98
29) Tetrahydrofuran	6.45	42	266112	244.085	ug/l	96
30) Chloroform	6.65	83	1036900	49.216	ug/l	91
31) Cyclohexane	6.95	56	481160	45.727	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	1002235	49.730	ug/l	99
36) 1,1-Dichloropropene	7.14	75	656903	51.195	ug/l	98
37) Ethyl Acetate	6.18	43	288791	53.712	ug/l #	96
38) Carbon Tetrachloride	7.10	117	1043877	53.980	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	544054	49.863	ug/l	99
40) Benzene	7.45	78	1354248	47.960	ug/l	95
41) Methacrylonitrile	6.43	41	356438	52.651	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	707375	49.821	ug/l	98
43) Isopropyl Acetate	9.24	43	386659	53.694	ug/l #	97
44) Trichloroethene	8.54	130	555638	51.482	ug/l	95
45) 1,2-Dichloropropane	8.94	63	345501	52.542	ug/l	96
46) Dibromomethane	9.06	93	288431	51.363	ug/l	95
47) Bromodichloromethane	9.37	83	785884	54.558	ug/l	99
48) Methyl methacrylate	9.12	41	252968	51.799	ug/l	98
49) 1,4-Dioxane	9.09	88	44131	1011.645	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	1292034	262.207	ug/l	95
52) Toluene	10.51	92	937889	51.568	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	648286	55.147	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	695268	52.452	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	314418	51.178	ug/l	96
56) Ethyl methacrylate	11.04	69	352938	52.928	ug/l	97
57) 1,3-Dichloropropane	11.41	76	472127	50.840	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	957037	271.855	ug/l	96
59) 2-Hexanone	11.53	43	928206	258.884	ug/l	98
60) Dibromochloromethane	11.68	129	572700	51.229	ug/l	99
61) 1,2-Dibromoethane	11.80	107	406711	54.685	ug/l	96
64) Tetrachloroethene	11.26	164	465649	49.709	ug/l	95
65) Chlorobenzene	12.40	112	1123205	49.387	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	544434	54.394	ug/l	96
67) Ethyl Benzene	12.52	91	2101770	53.149	ug/l	100
68) m/p-Xylenes	12.67	106	1415166	101.860	ug/l	99
69) o-Xylene	13.05	106	703999	52.648	ug/l	95
70) Styrene	13.07	104	1213992	51.039	ug/l	96
71) Bromoform	13.24	173	385769	56.208	ug/l	99
73) Isopropylbenzene	13.40	105	2016602	47.348	ug/l	99
74) N-amyl acetate	13.27	43	540580	50.561	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	364801	51.604	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	397088	51.671	ug/l	96
77) Bromobenzene	13.67	156	546312	46.933	ug/l	90
78) n-propylbenzene	13.77	91	2392726	48.015	ug/l	95
79) 2-Chlorotoluene	13.84	91	1397160	48.627	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1797454	48.302	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	110208	53.357	ug/l	91
82) 4-Chlorotoluene	13.95	91	1704002	49.319	ug/l	97
83) tert-Butylbenzene	14.19	119	2008749	51.261	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1722171	50.017	ug/l	96
85) sec-Butylbenzene	14.37	105	2059479	49.488	ug/l	97
86) p-Isopropyltoluene	14.49	119	1987562	49.951	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1066876	50.671	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	970299	48.033	ug/l	98
89) n-Butylbenzene	14.79	91	1755506	48.340	ug/l	95
90) Hexachloroethane	15.01	117	506012	50.595	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	852944	47.748	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	69841	52.469	ug/l	93

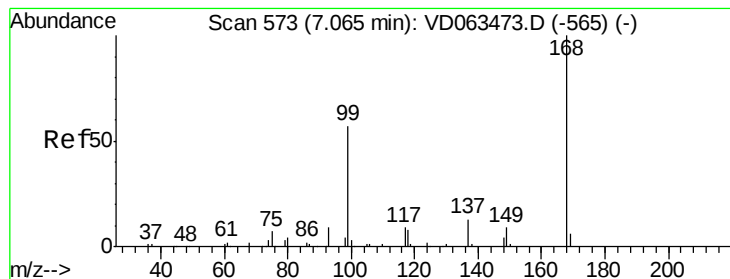
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692364	52.673	ug/l	94
94) Hexachlorobutadiene	16.03	225	525283	52.435	ug/l	97
95) Naphthalene	16.12	128	990563	49.726	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	561858	52.923	ug/l	98

(#) = 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: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

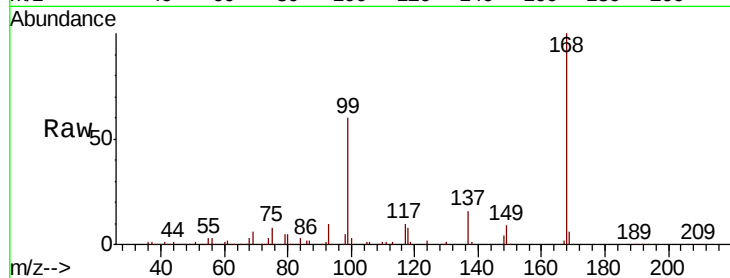
VSTDCCC050

Tgt Ion:168 Resp: 1090240

Ion Ratio Lower Upper

168 100

99 59.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

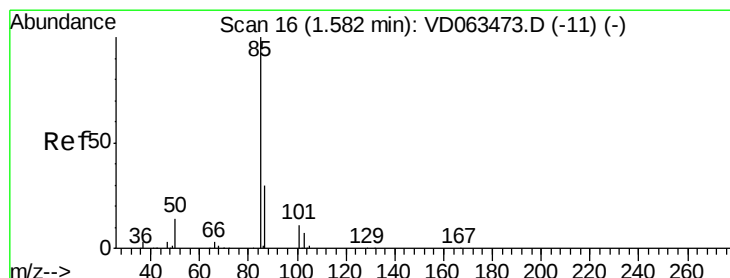
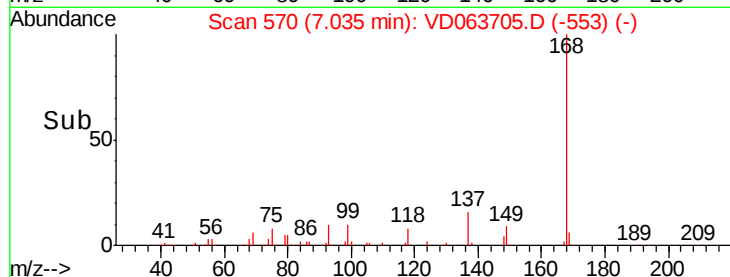
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 44.035 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.02 min

Lab File: VD063705.D

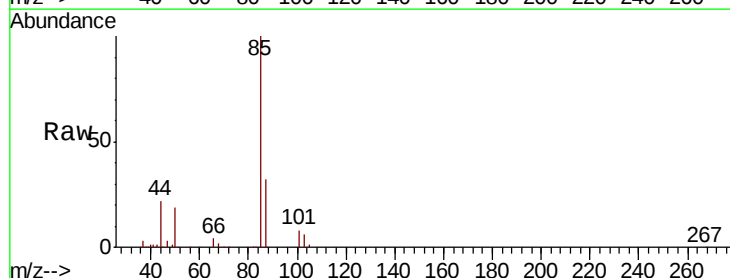
Acq: 21 Aug 2019 11:25

Tgt Ion: 85 Resp: 580822

Ion Ratio Lower Upper

85 100

87 32.2 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

250000

200000

150000

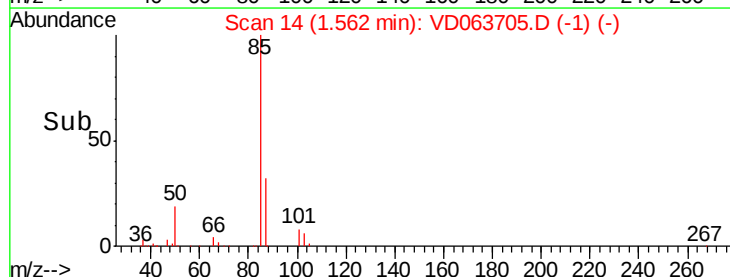
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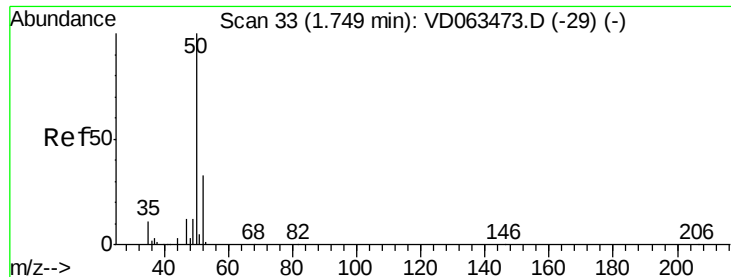
50000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 41.353 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

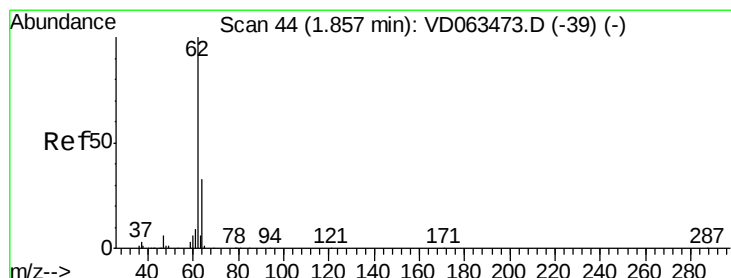
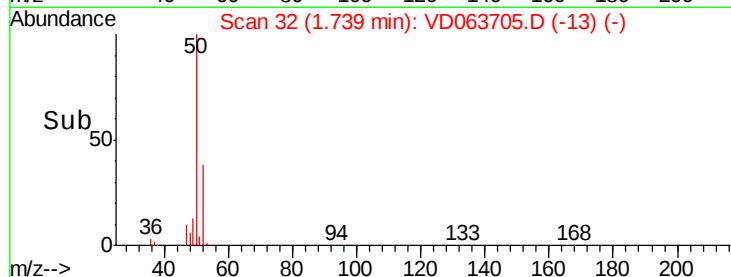
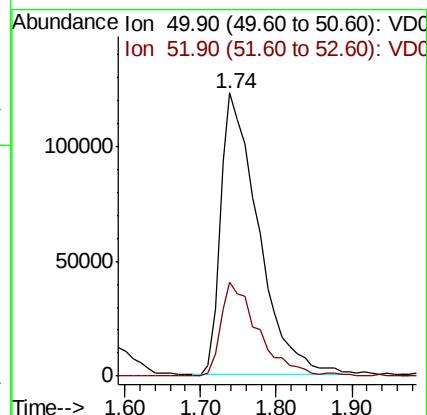
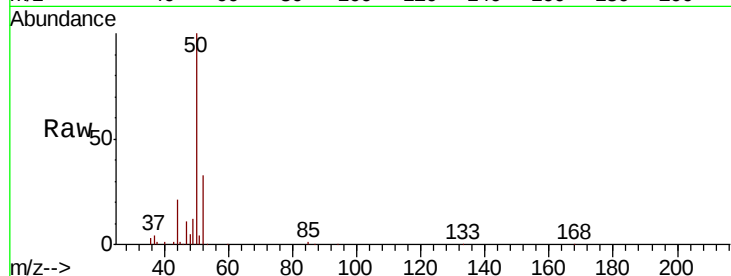
VSTDCCC050

Tgt Ion: 50 Resp: 426165

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 45.285 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063705.D

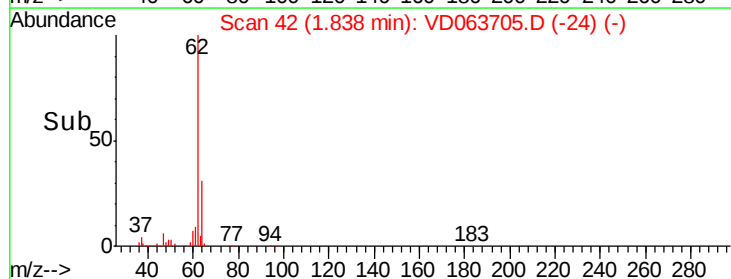
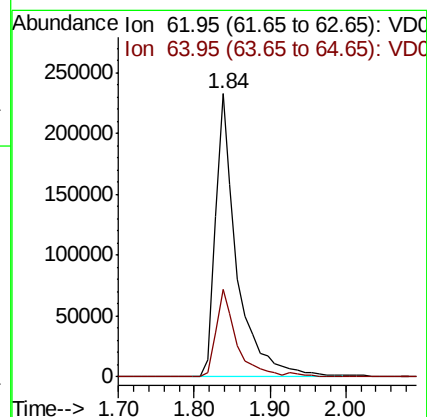
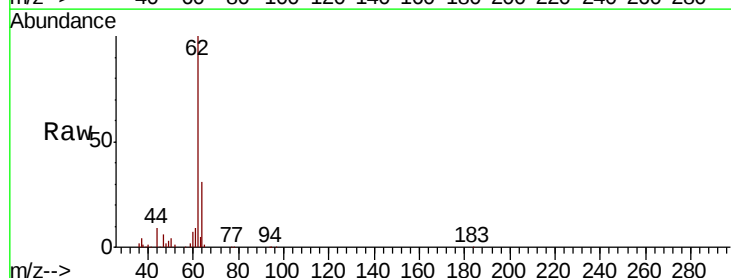
Acq: 21 Aug 2019 11:25

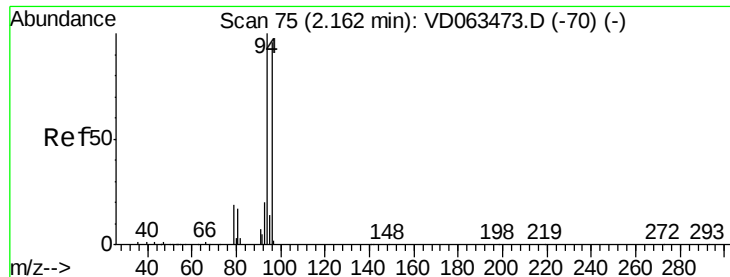
Tgt Ion: 62 Resp: 463284

Ion Ratio Lower Upper

62 100

64 31.1 26.4 39.6





#5

Bromomethane

Concen: 45.284 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

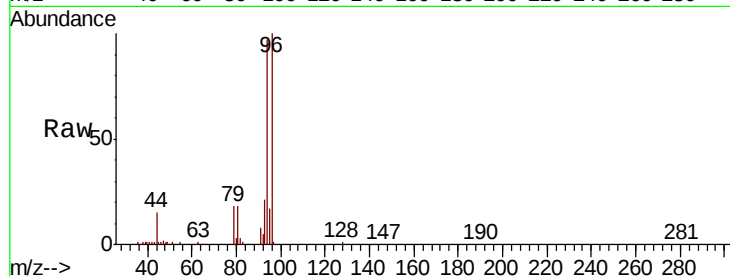
Tgt Ion: 94 Resp: 218597

Ion Ratio Lower Upper

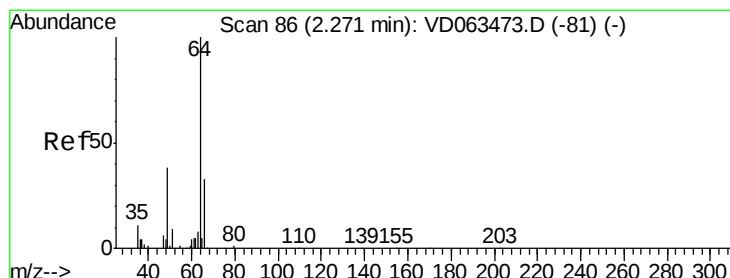
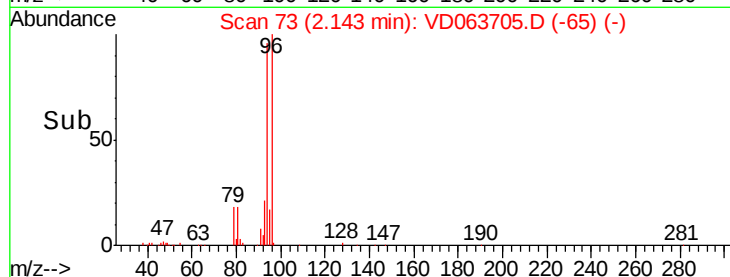
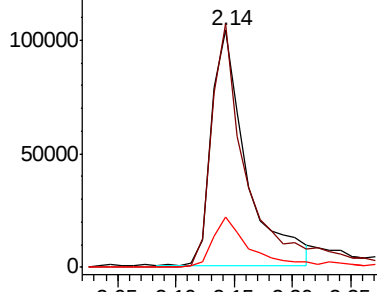
94 100

96 102.8 76.5 114.7

93 21.1 15.8 23.8



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



#6

Chloroethane

Concen: 50.909 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063705.D

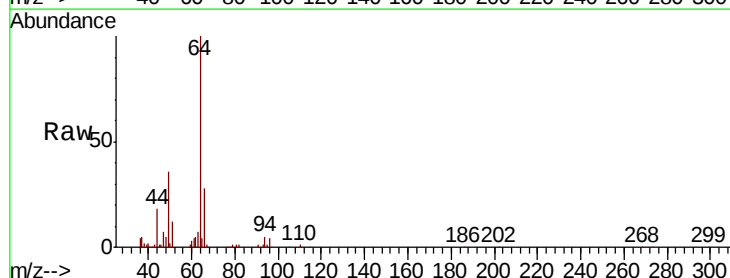
Acq: 21 Aug 2019 11:25

Tgt Ion: 64 Resp: 238167

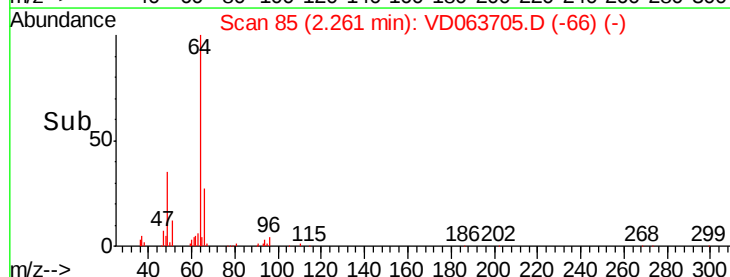
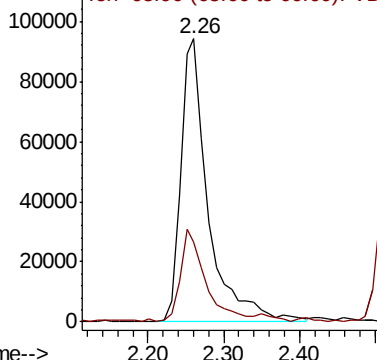
Ion Ratio Lower Upper

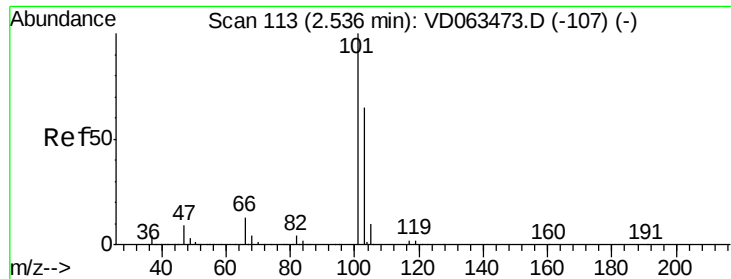
64 100

66 28.2 26.3 39.5



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



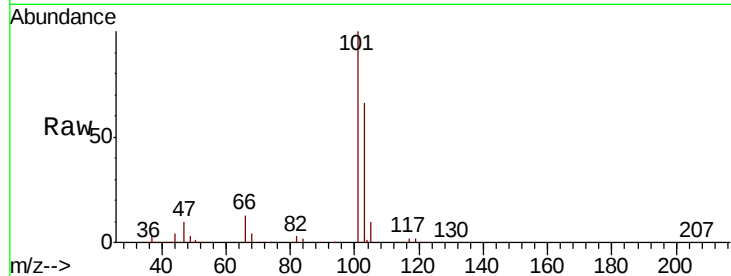


#7

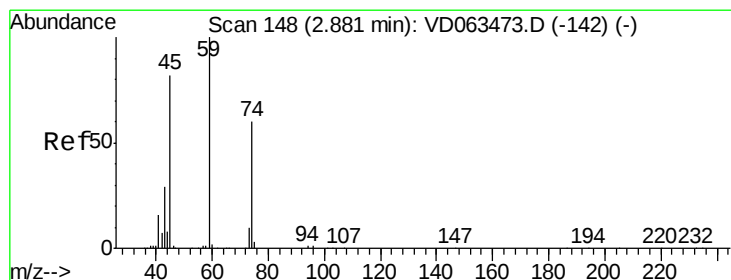
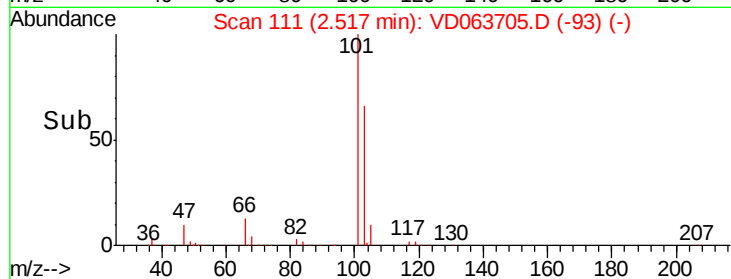
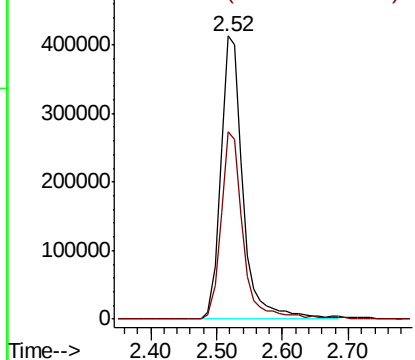
Trichlorofluoromethane
 Concen: 48.445 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Instrument :
 MSVOA_D
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 VSTDCCC050

Tgt Ion: 101 Resp: 972131
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.2 78.4



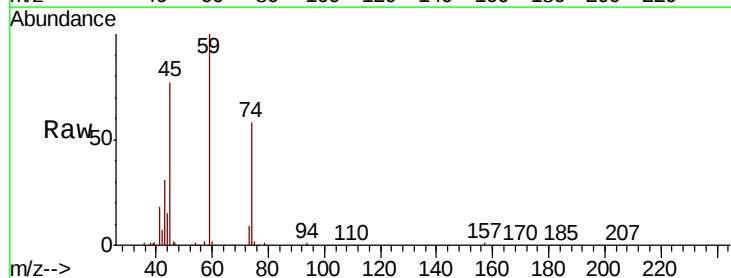
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



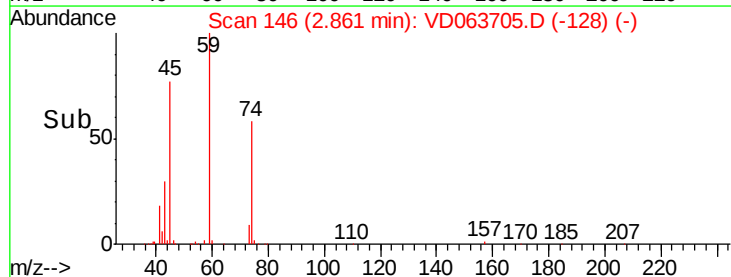
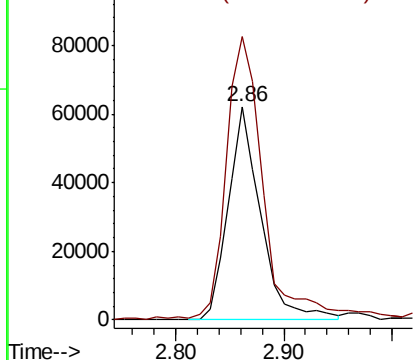
#8

Diethyl Ether
 Concen: 46.180 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 74 Resp: 130838
 Ion Ratio Lower Upper
 74 100
 45 132.7 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: 44.438 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

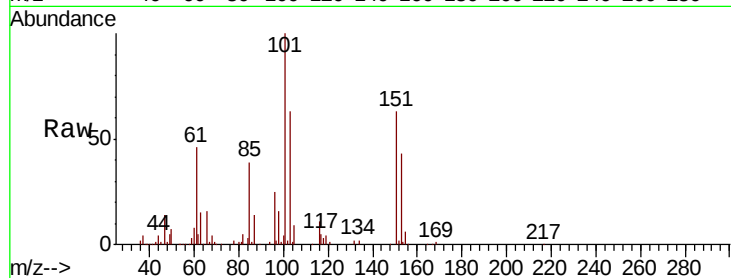
Tgt Ion:101 Resp: 526544

Ion Ratio Lower Upper

101 100

85 39.1 35.8 53.6

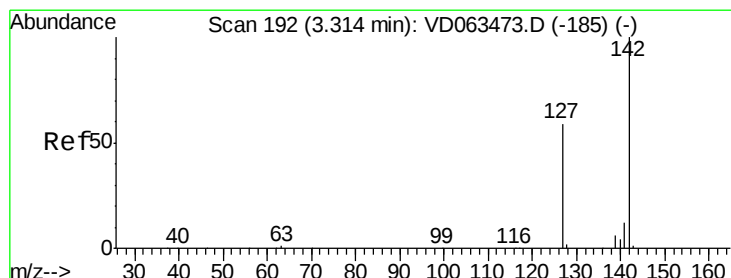
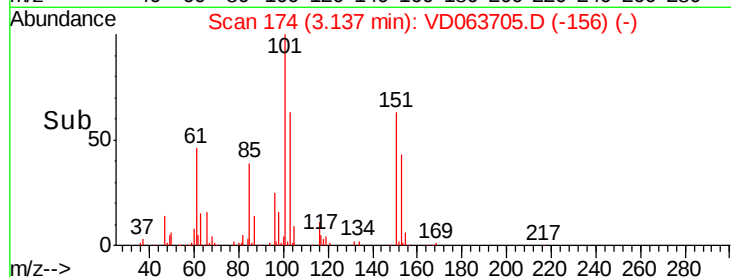
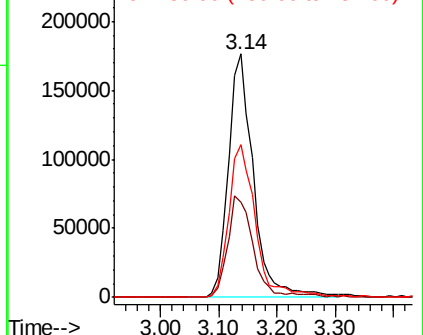
151 62.6 58.6 88.0



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: 44.687 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

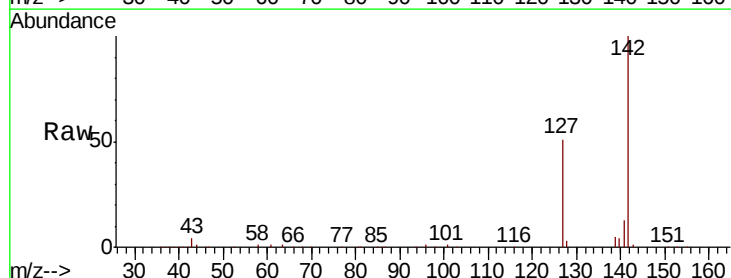
Tgt Ion:142 Resp: 749184

Ion Ratio Lower Upper

142 100

127 51.0 47.2 70.8

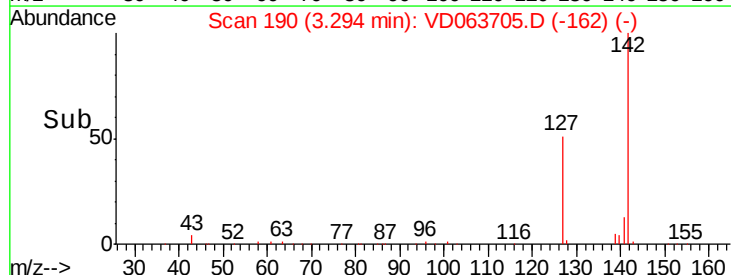
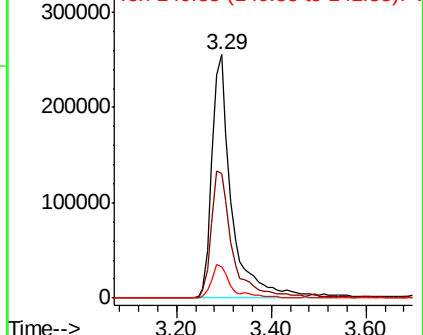
141 12.9 9.8 14.8

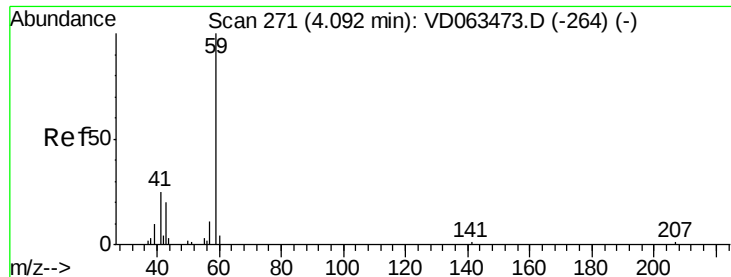


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

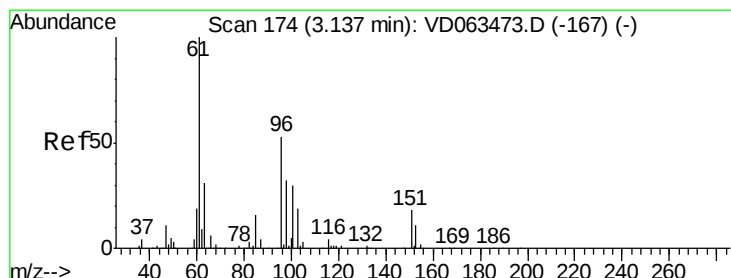
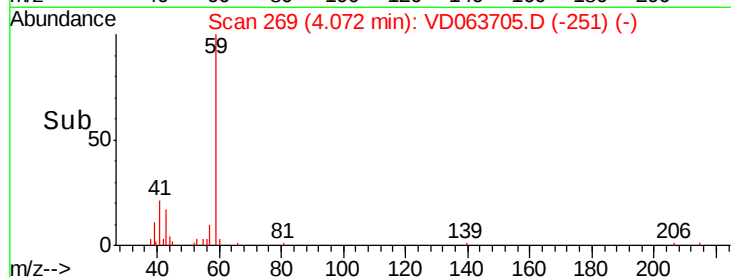
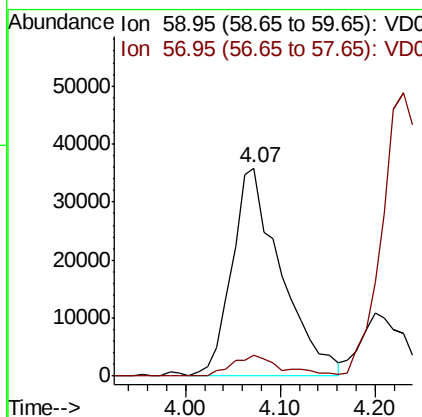
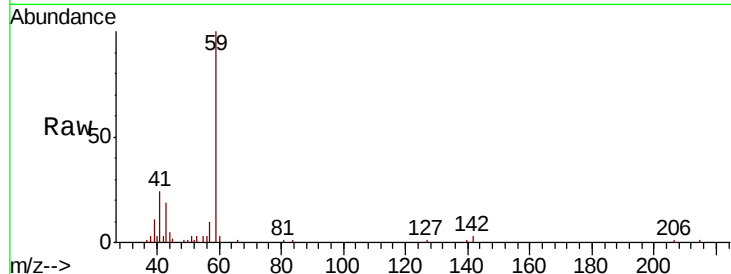




#11
Tert butyl alcohol
Concen: 254.404 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

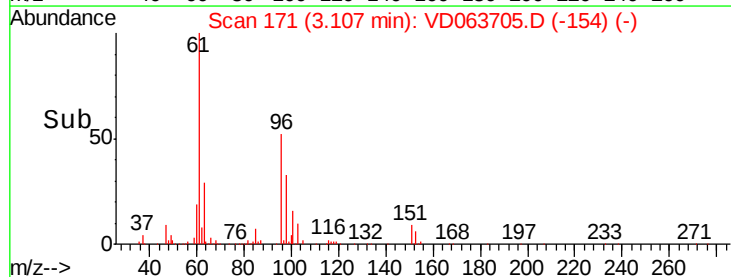
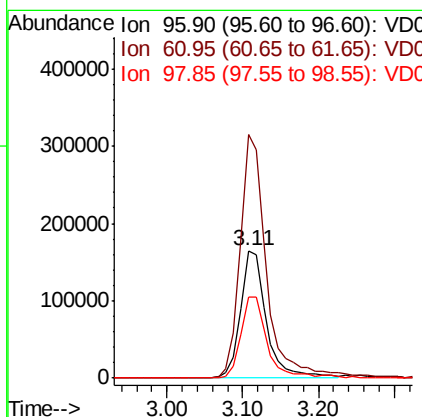
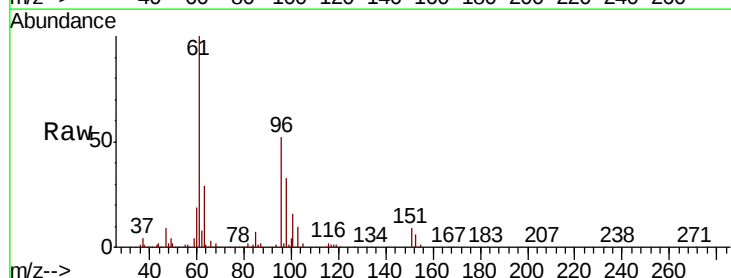
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

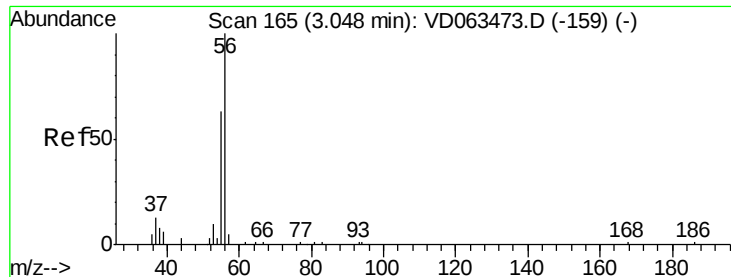
Tgt Ion: 59 Resp: 129063
Ion Ratio Lower Upper
59 100
57 9.8 8.7 13.1



#12
1,1-Dichloroethene
Concen: 44.233 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.03 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 96 Resp: 389678
Ion Ratio Lower Upper
96 100
61 190.7 151.7 227.5
98 63.0 48.4 72.6

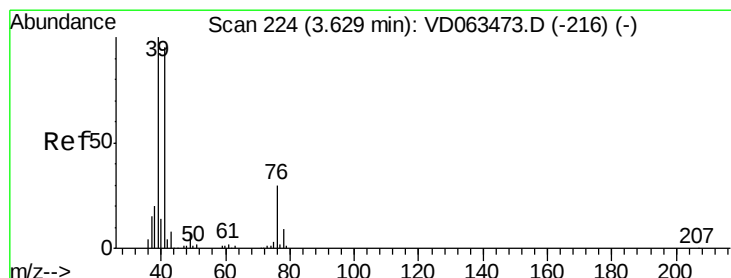
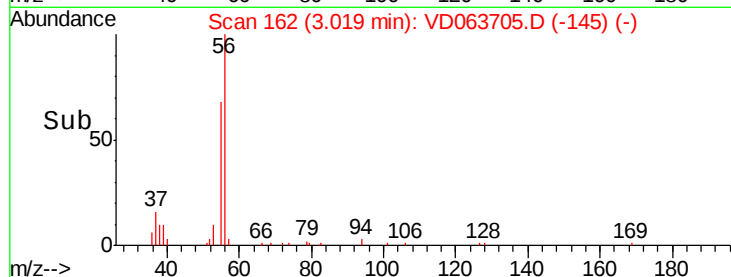
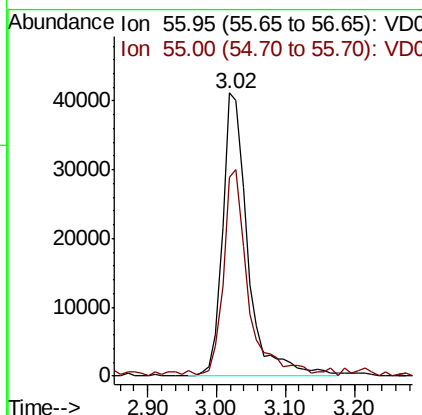
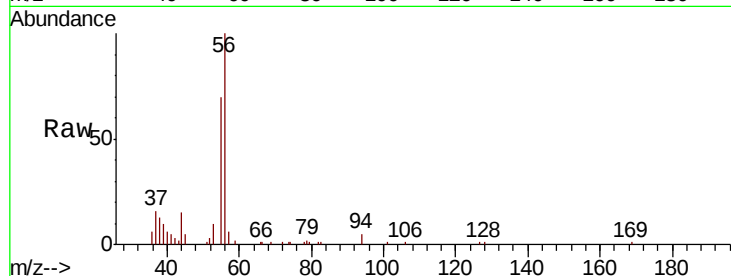




#13
Acrolein
Concen: 210.298 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.03 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

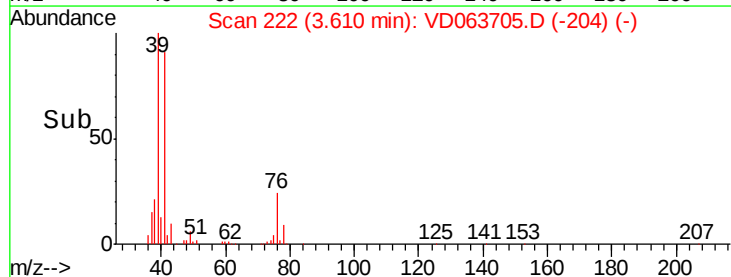
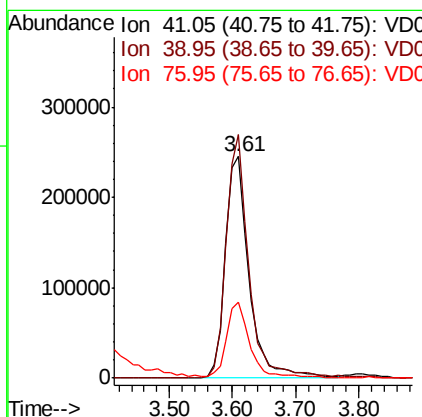
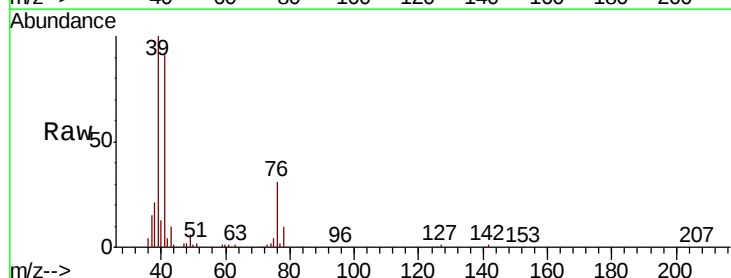
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

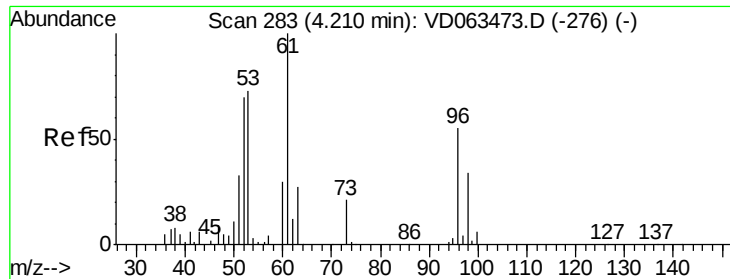
Tgt Ion: 56 Resp: 105014
Ion Ratio Lower Upper
56 100
55 70.2 51.3 76.9



#14
Allyl chloride
Concen: 48.555 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 41 Resp: 643037
Ion Ratio Lower Upper
41 100
39 109.8 84.2 126.4
76 34.4 26.0 39.0





#15

Acrylonitrile

Concen: 239.020 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

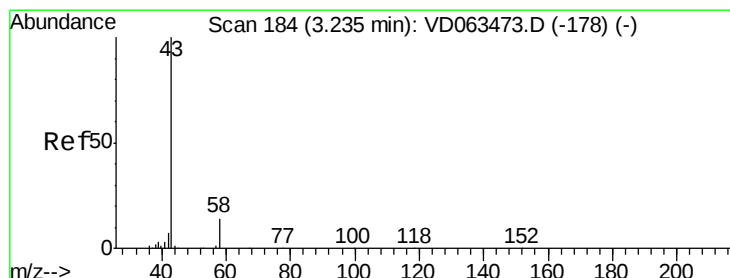
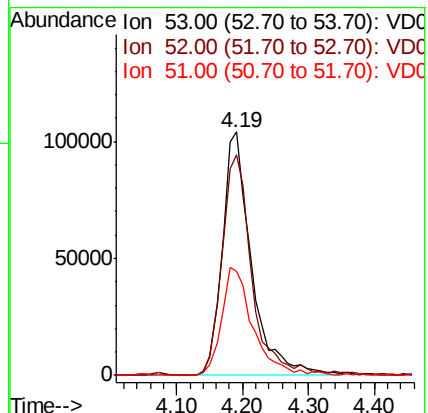
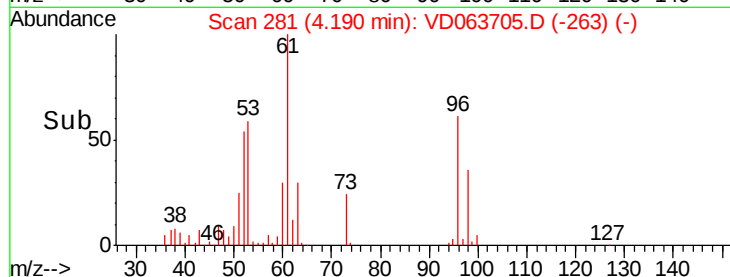
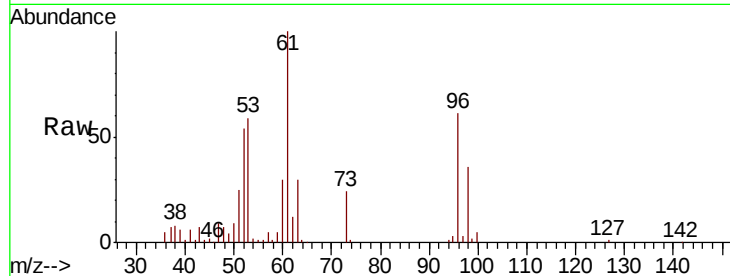
Tgt Ion: 53 Resp: 321185

Ion Ratio Lower Upper

53 100

52 90.8 77.4 116.0

51 42.7 36.7 55.1



#16

Acetone

Concen: 274.063 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063705.D

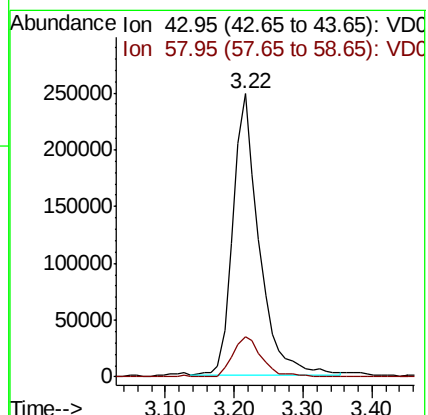
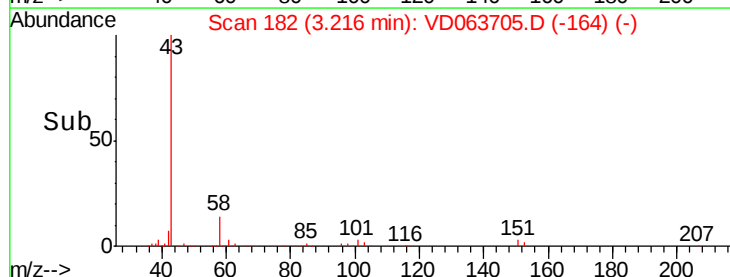
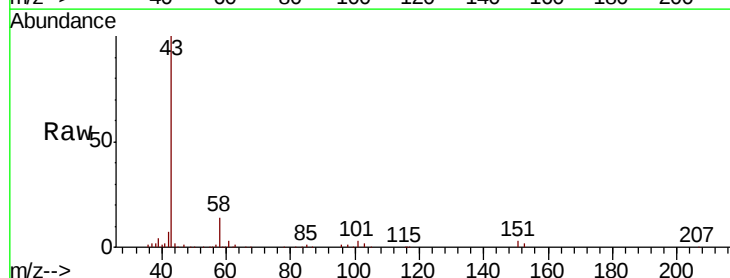
Acq: 21 Aug 2019 11:25

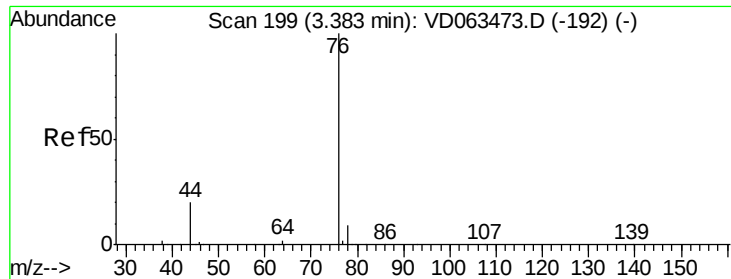
Tgt Ion: 43 Resp: 649253

Ion Ratio Lower Upper

43 100

58 14.2 11.4 17.2

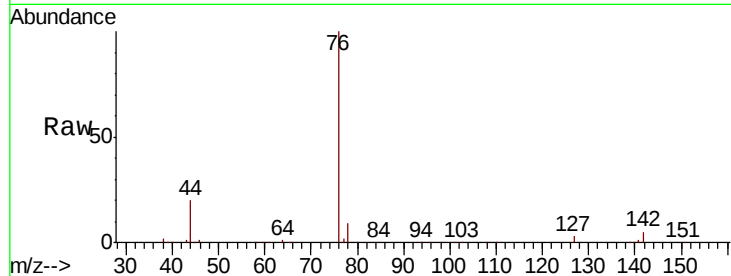




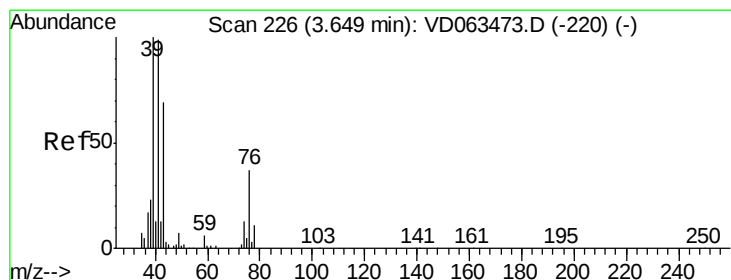
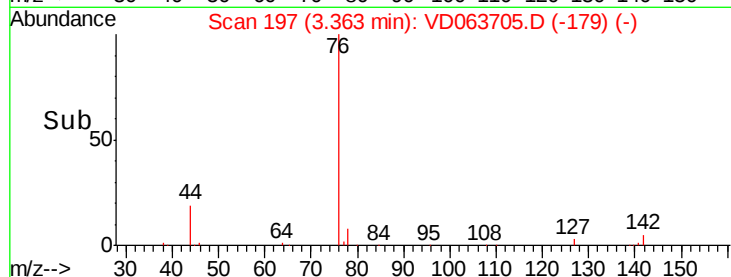
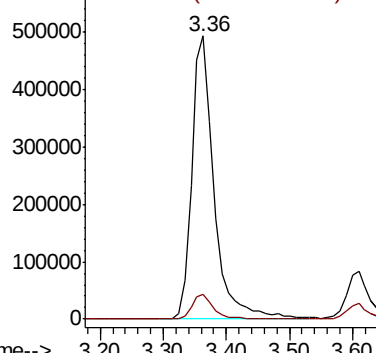
#17
Carbon Disulfide
Concen: 43.711 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1215318
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

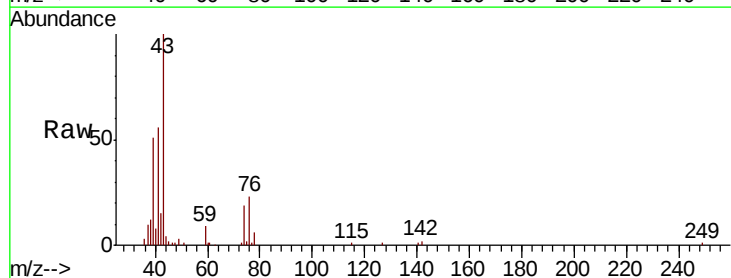


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

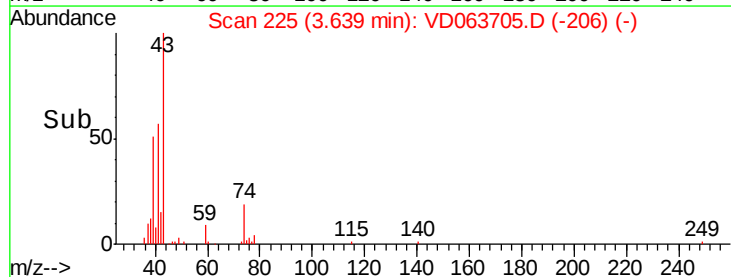
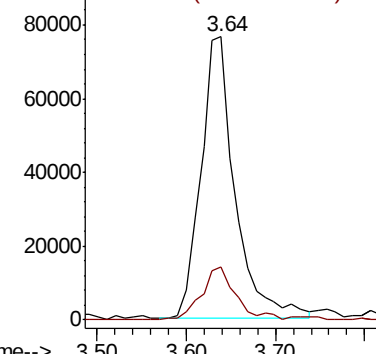


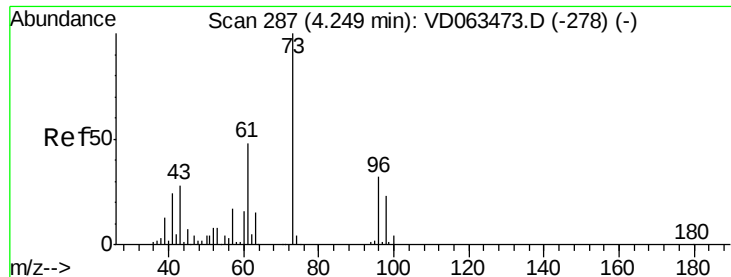
#18
Methyl Acetate
Concen: 45.618 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 43 Resp: 204695
Ion Ratio Lower Upper
43 100
74 18.9 15.4 23.2



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



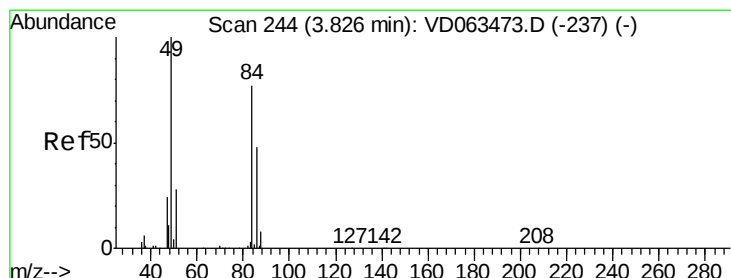
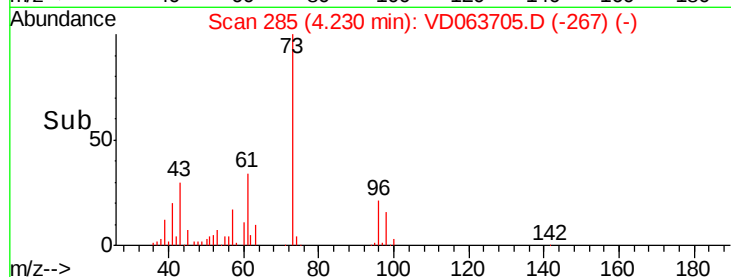
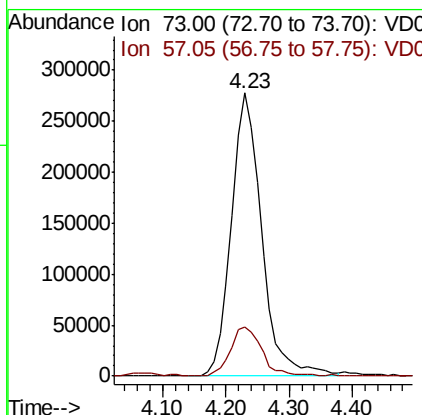
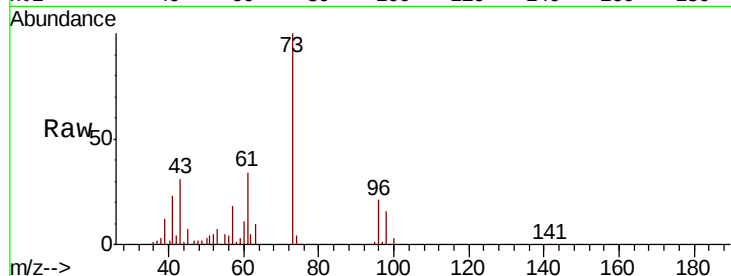


#19

Methyl tert-butyl Ether
 Concen: 52.525 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

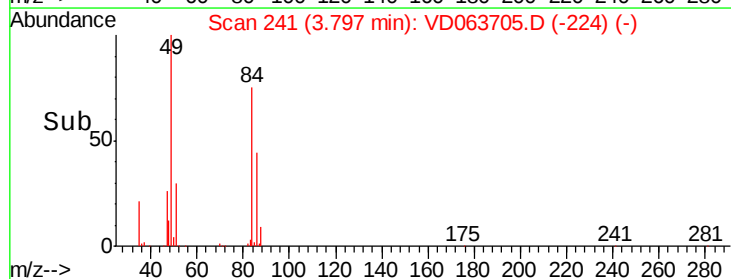
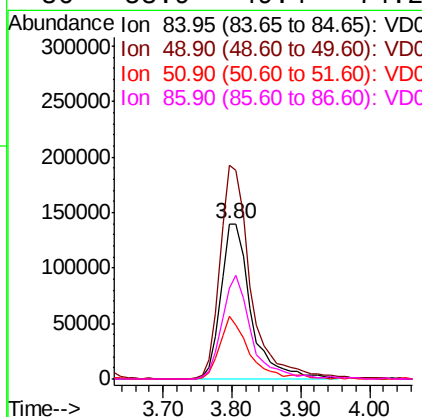
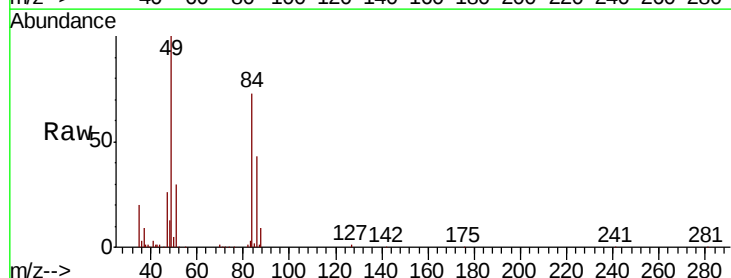
Tgt Ion: 73 Resp: 925403
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.0 21.0

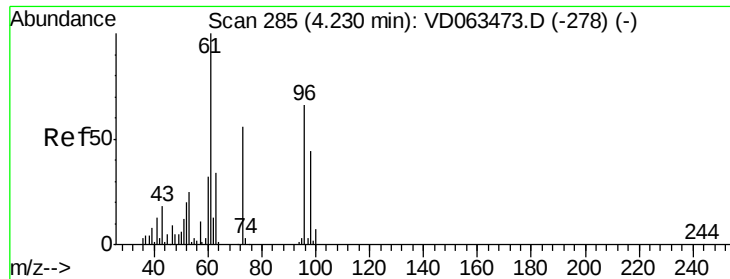


#20

Methylene Chloride
 Concen: 41.455 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.03 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 84 Resp: 424663
 Ion Ratio Lower Upper
 84 100
 49 137.6 103.4 155.2
 51 40.6 28.5 42.7
 86 58.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 47.500 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

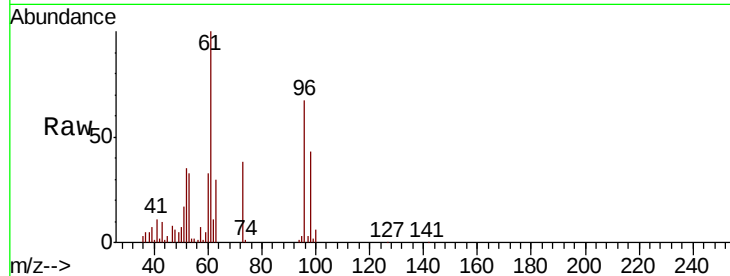
Tgt Ion: 96 Resp: 440347

Ion Ratio Lower Upper

96 100

61 148.2 121.7 182.5

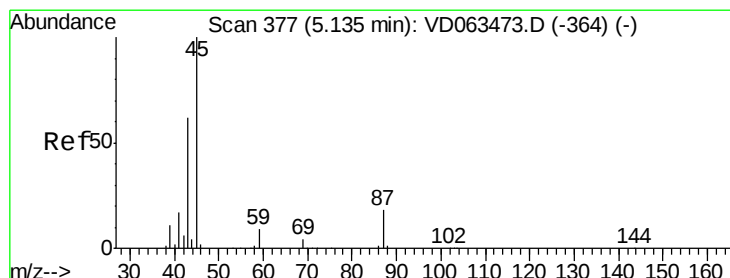
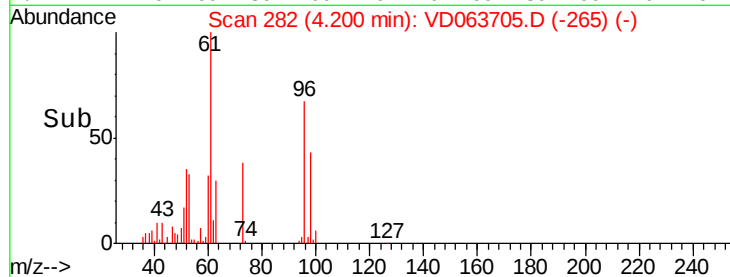
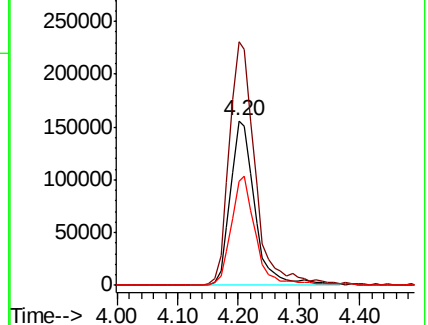
98 63.1 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.312 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Tgt Ion: 45 Resp: 1347605

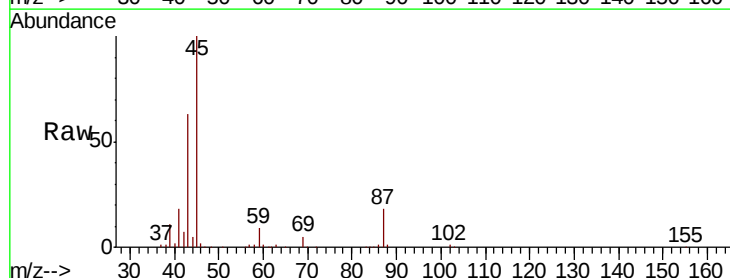
Ion Ratio Lower Upper

45 100

43 62.9 50.3 75.5

87 17.5 14.3 21.5

59 8.8 7.7 11.5

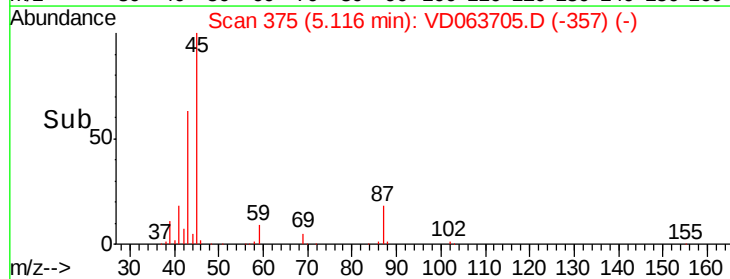
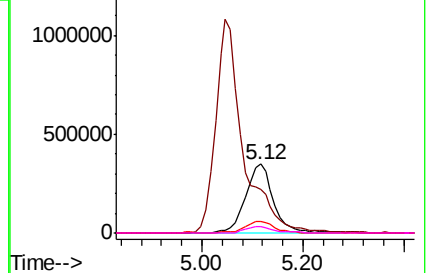


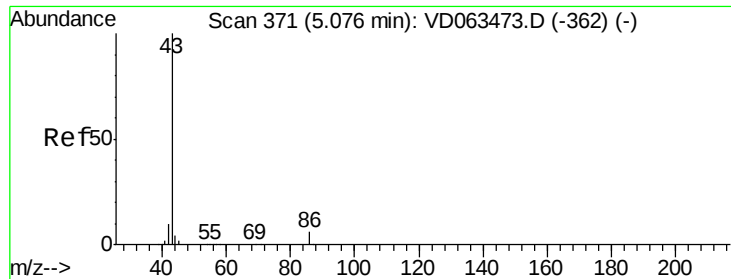
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 257.943 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

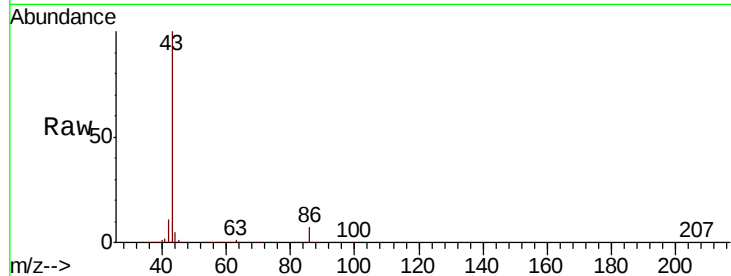
VSTDCCC050

Tgt Ion: 43 Resp: 4098013

Ion Ratio Lower Upper

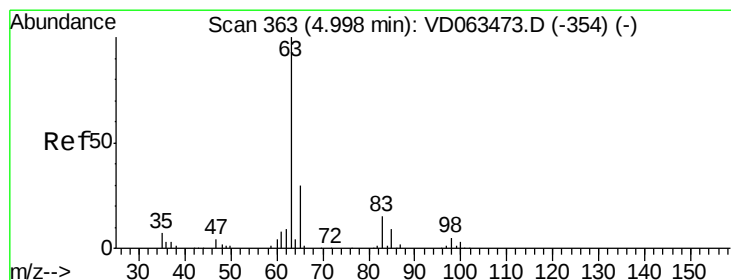
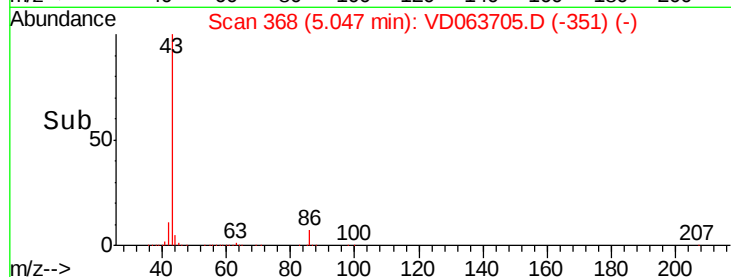
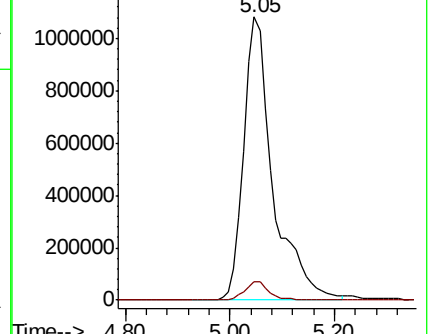
43 100

86 6.6 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.012 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

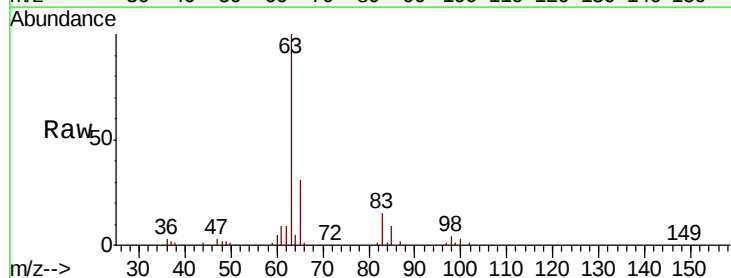
Tgt Ion: 63 Resp: 847695

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.2

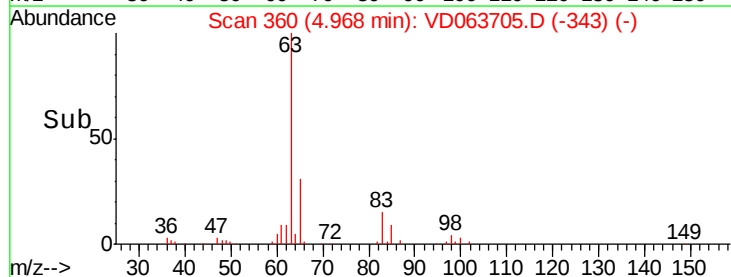
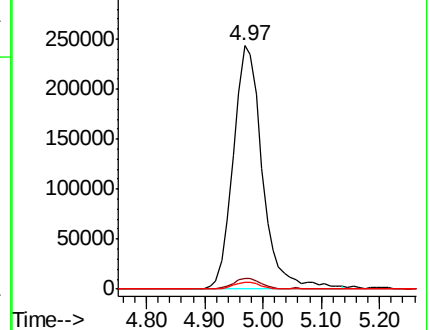
100 2.8 1.3 3.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

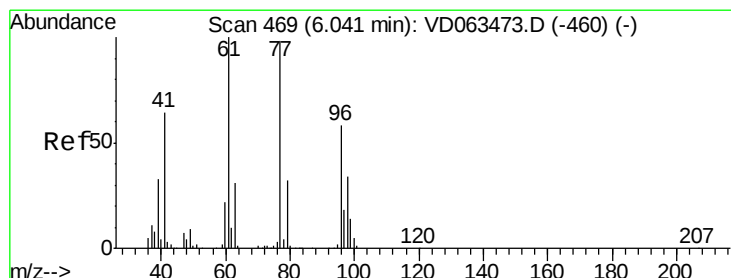
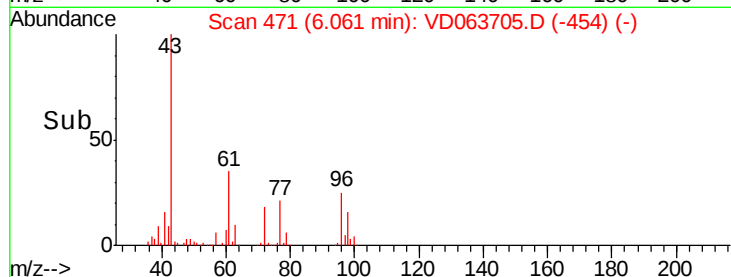
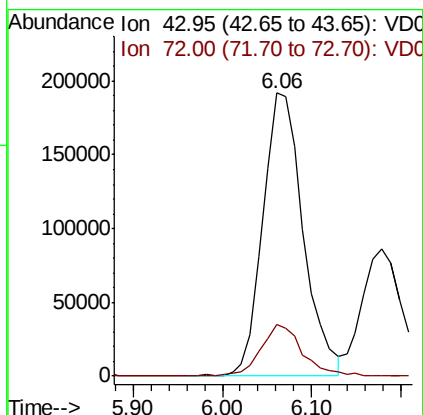
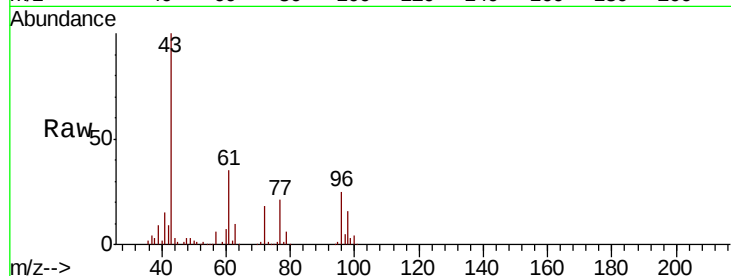




#25
 2-Butanone
 Concen: 257.813 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.03 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

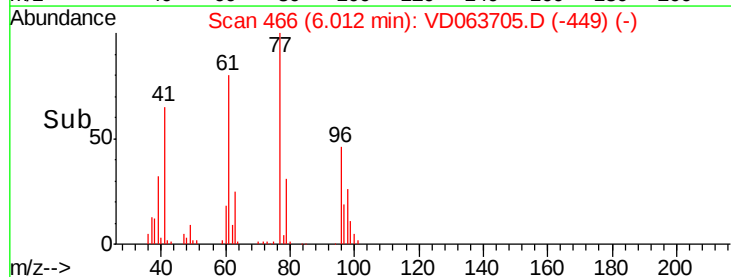
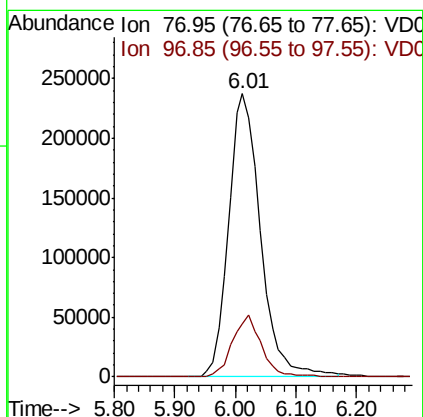
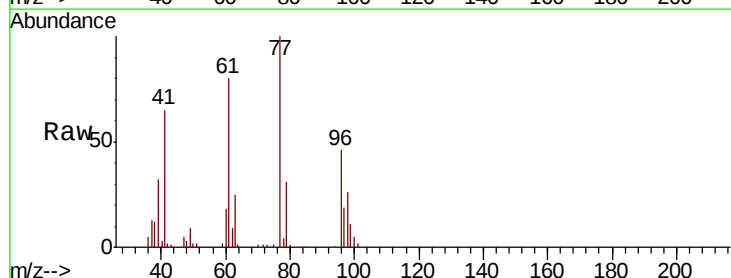
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 603206
 Ion Ratio Lower Upper
 43 100
 72 18.4 15.1 22.7



#26
 2,2-Dichloropropane
 Concen: 51.224 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 77 Resp: 864796
 Ion Ratio Lower Upper
 77 100
 97 18.8 9.0 27.1



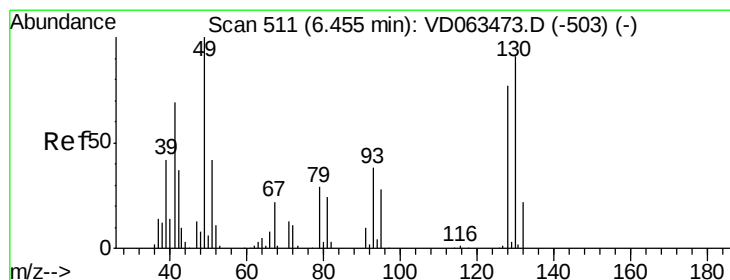
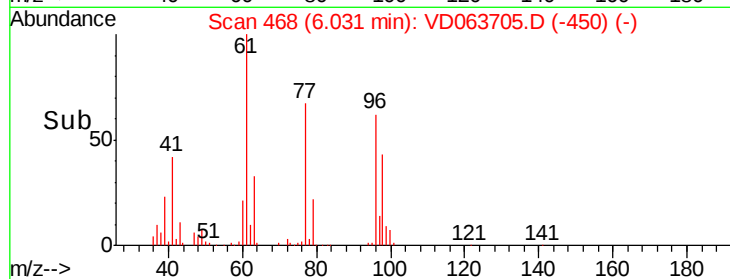
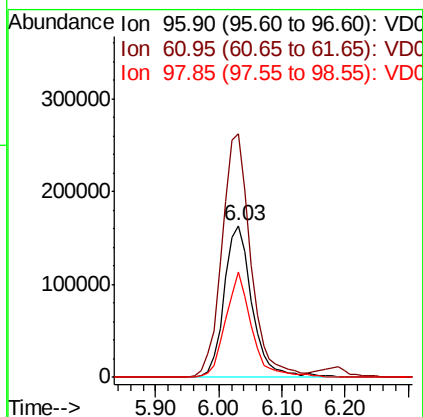
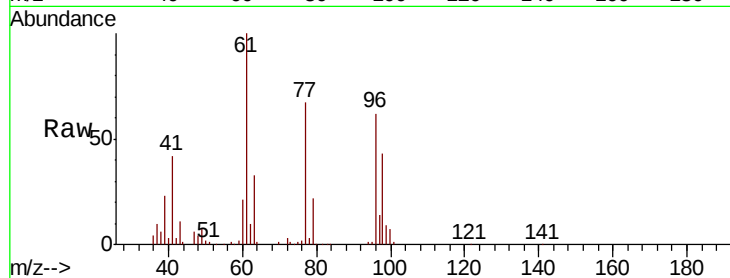


#27

cis-1,2-Dichloroethene
Concen: 49.522 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

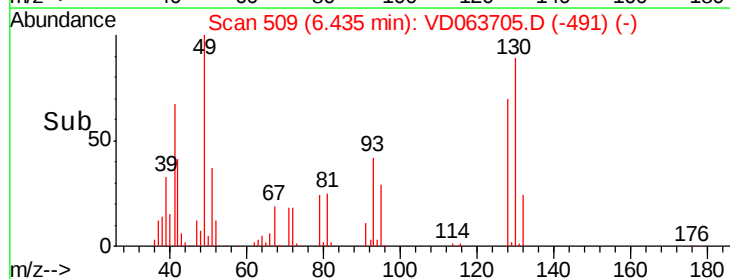
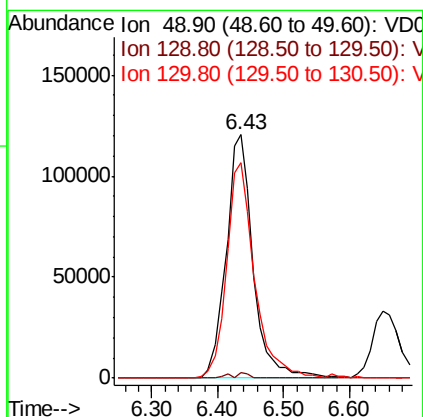
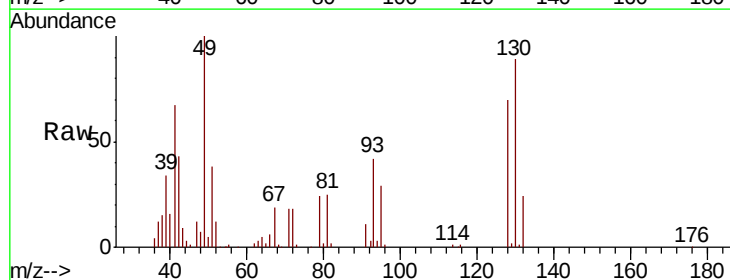
Tgt Ion: 96 Resp: 502293
Ion Ratio Lower Upper
96 100
61 160.1 0.0 304.0
98 69.6 0.0 124.8



#28

Bromochloromethane
Concen: 50.171 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 49 Resp: 344648
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.4
130 88.6 72.4 108.6





#29

Tetrahydrofuran

Concen: 244.085 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

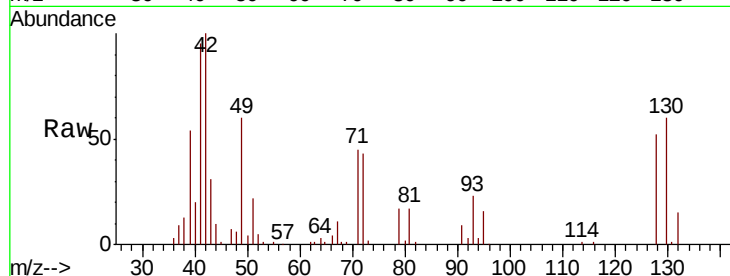
Tgt Ion: 42 Resp: 266112

Ion Ratio Lower Upper

42 100

72 41.7 31.5 47.3

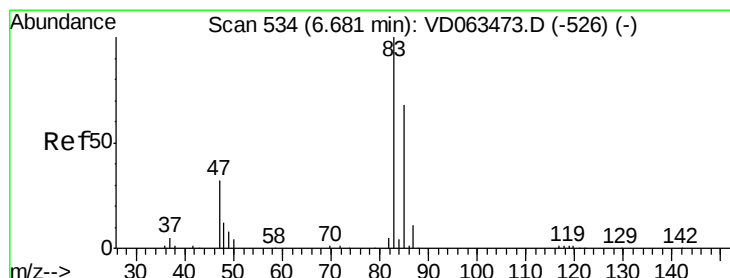
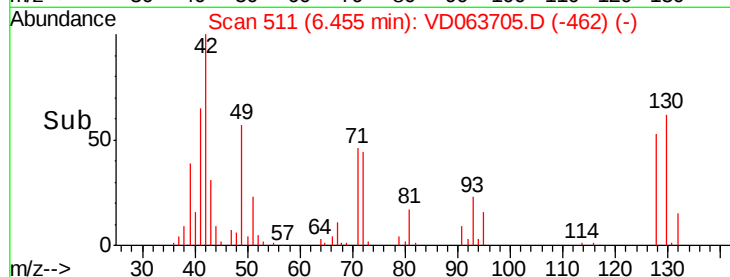
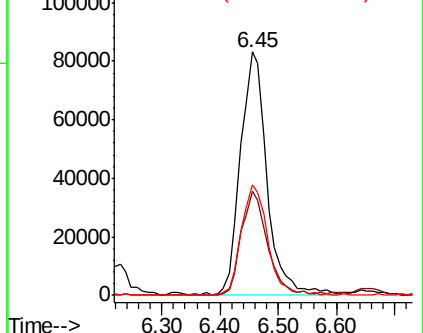
71 45.2 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.216 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063705.D

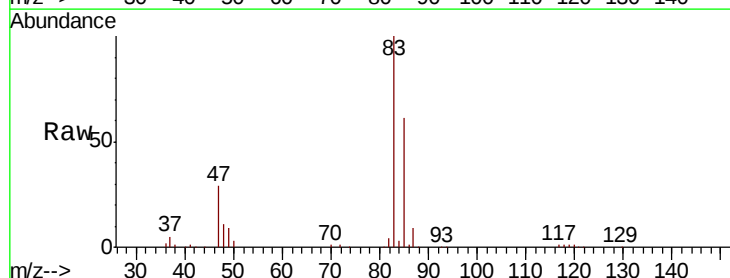
Acq: 21 Aug 2019 11:25

Tgt Ion: 83 Resp: 1036900

Ion Ratio Lower Upper

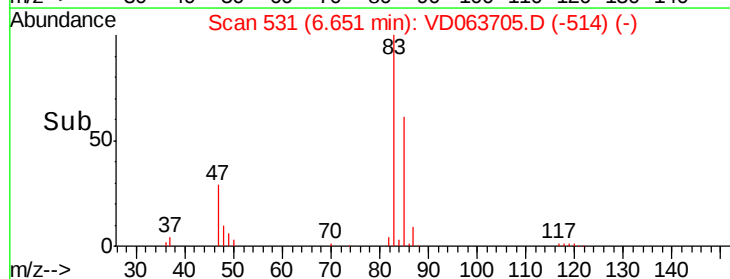
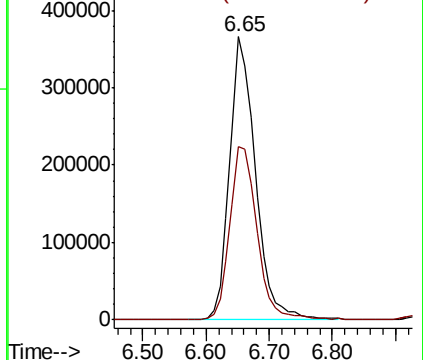
83 100

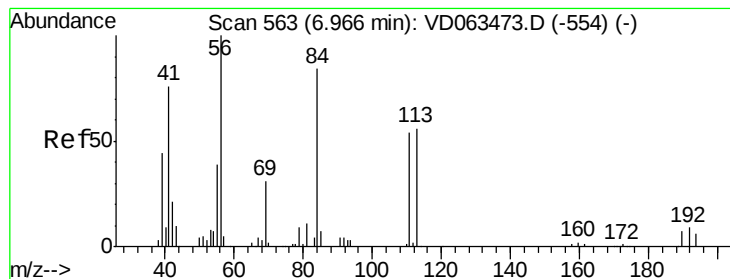
85 61.3 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 45.727 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

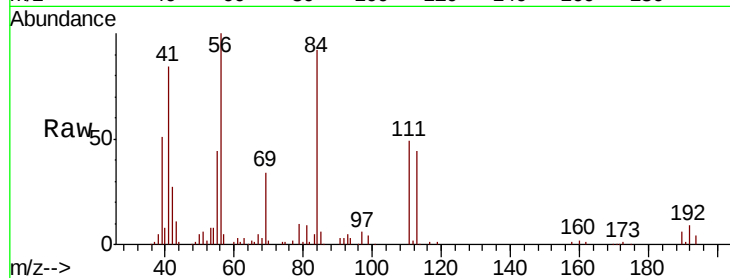
Tgt Ion: 56 Resp: 481160

Ion Ratio Lower Upper

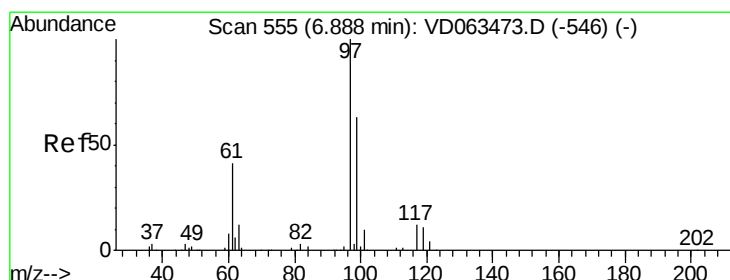
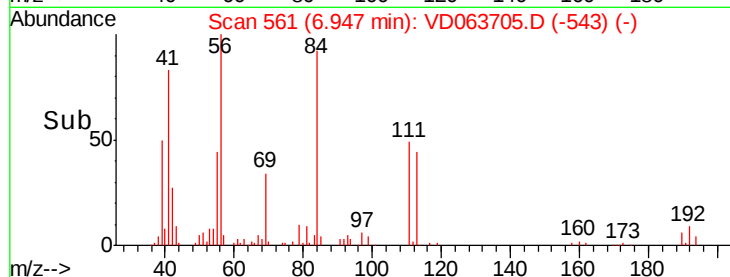
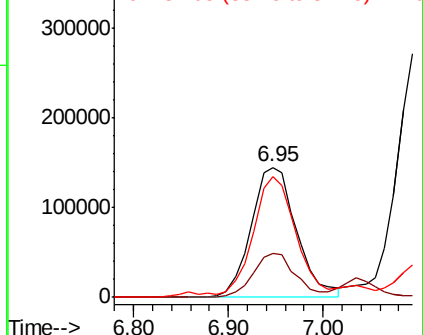
56 100

69 34.0 25.0 37.6

84 92.4 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 49.730 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.03 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

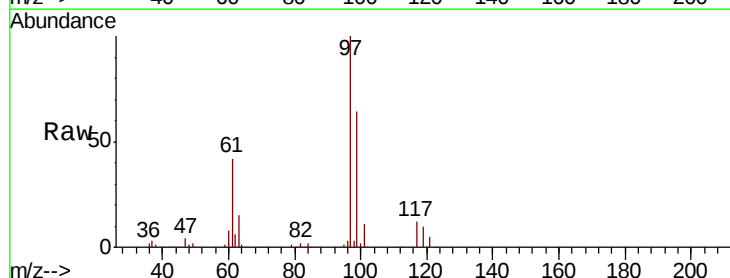
Tgt Ion: 97 Resp: 1002235

Ion Ratio Lower Upper

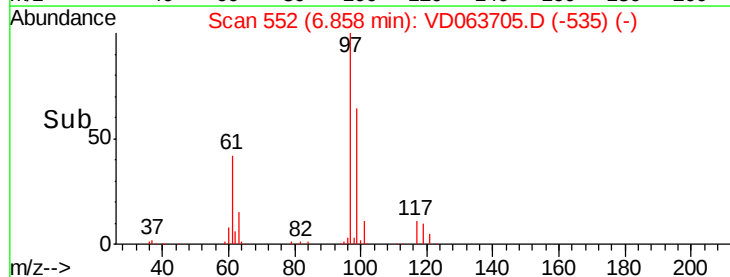
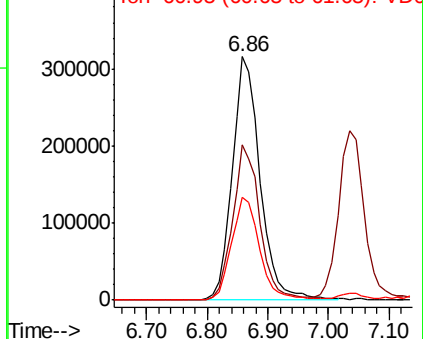
97 100

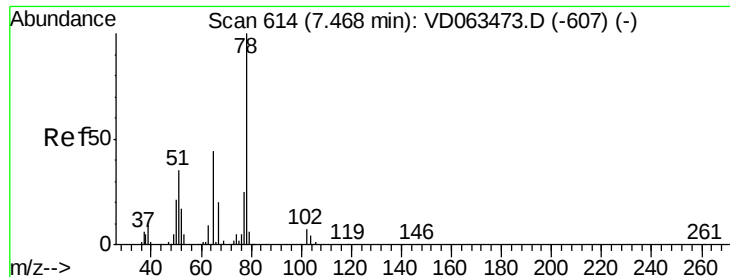
99 63.8 50.2 75.4

61 42.2 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 47.956 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

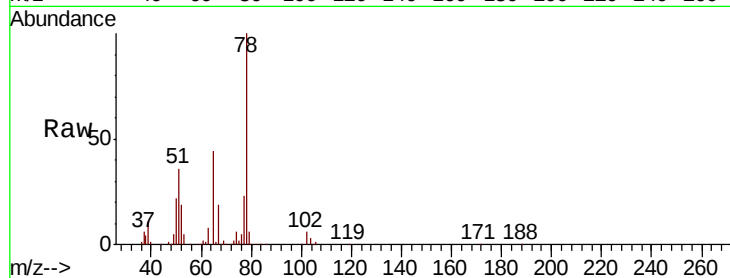
VSTDCCC050

Tgt Ion: 65 Resp: 558871

Ion Ratio Lower Upper

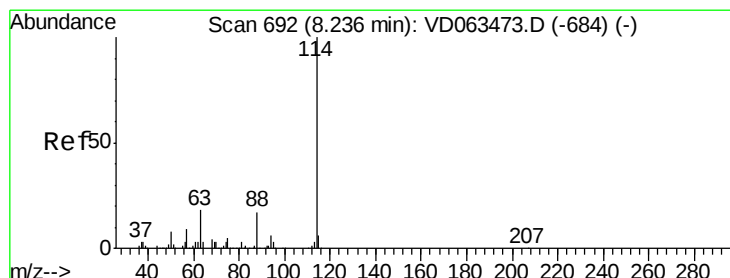
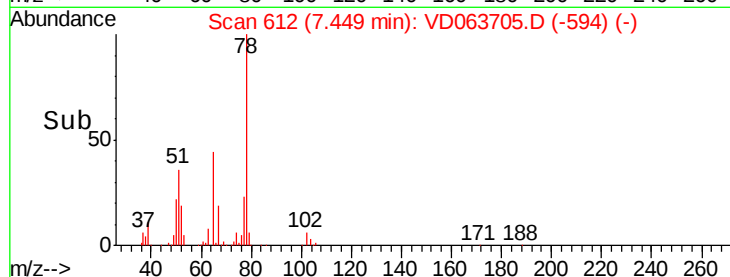
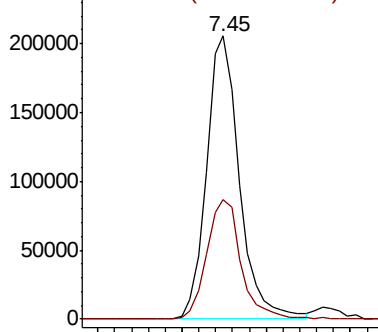
65 100

67 42.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

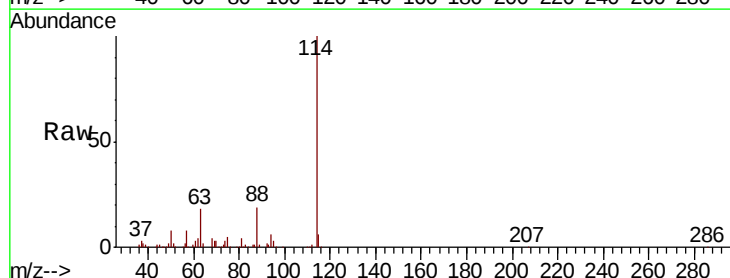
Tgt Ion: 114 Resp: 1451468

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.2

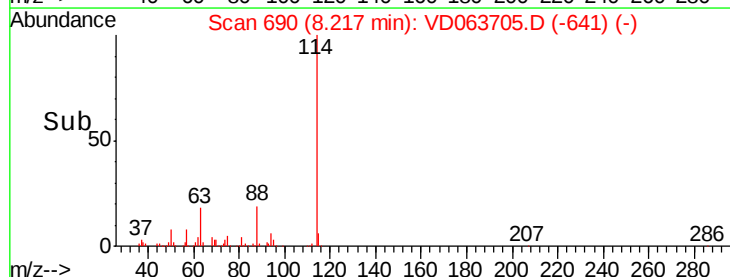
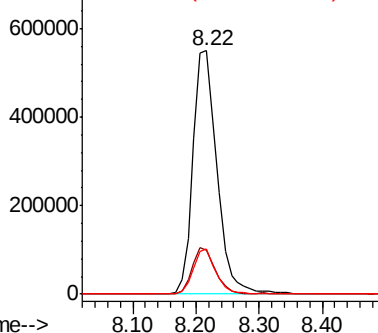
88 18.6 0.0 35.0

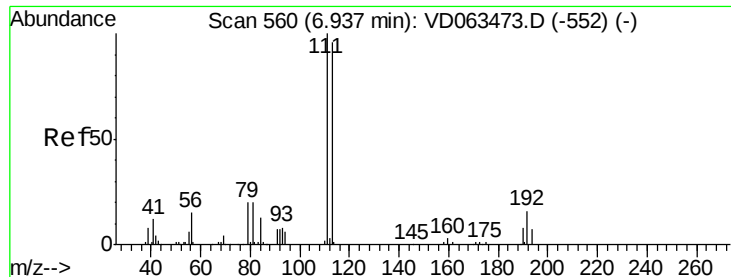


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

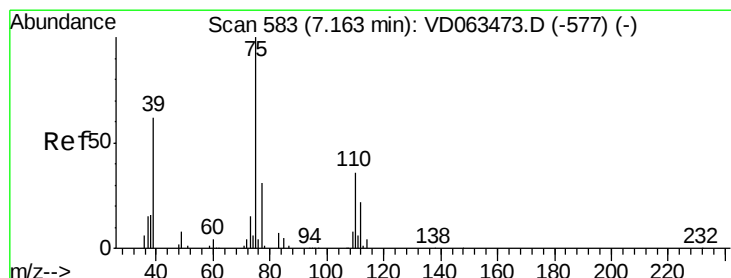
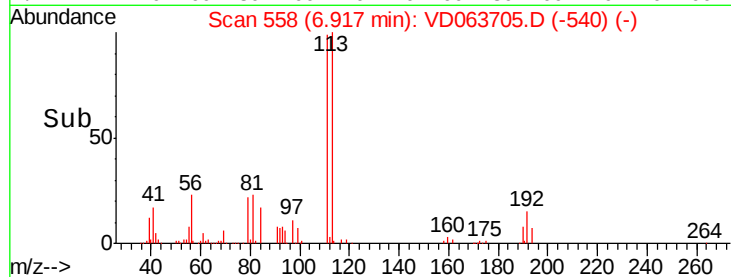
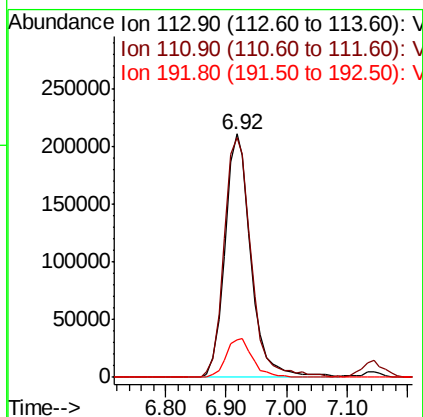
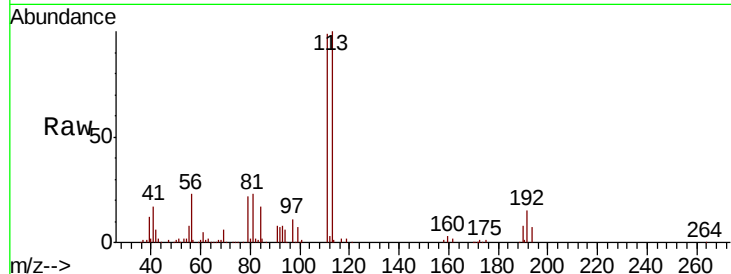




#35
 Dibromofluoromethane
 Concen: 51.154 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

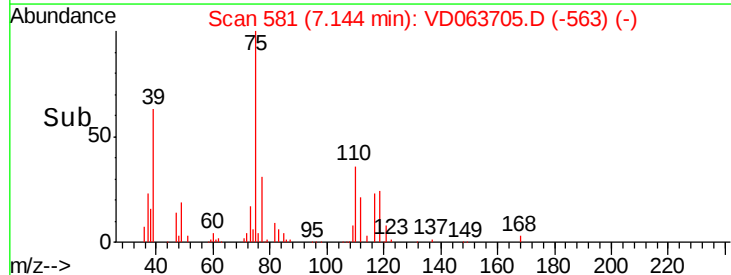
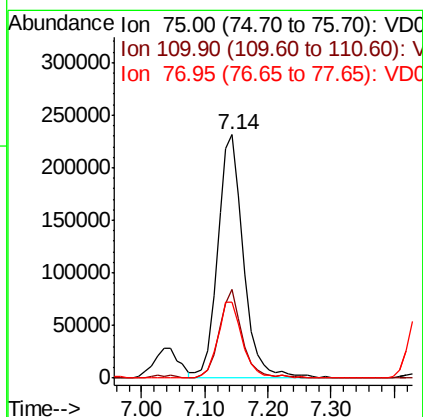
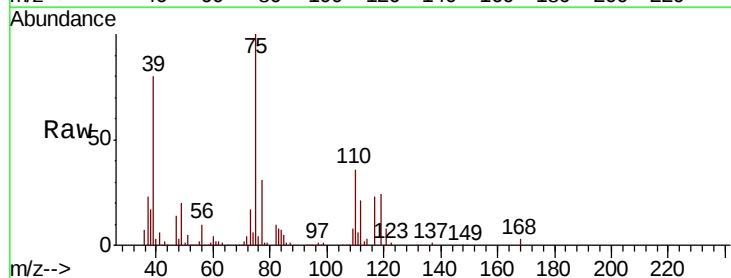
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 625320
 Ion Ratio Lower Upper
 113 100
 111 98.7 83.1 124.7
 192 15.5 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 51.195 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 75 Resp: 656903
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.6 52.8
 77 31.3 24.3 36.5

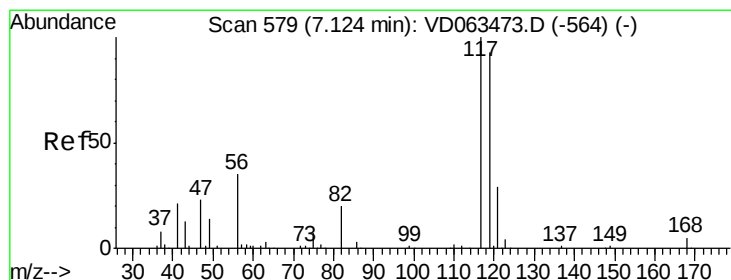
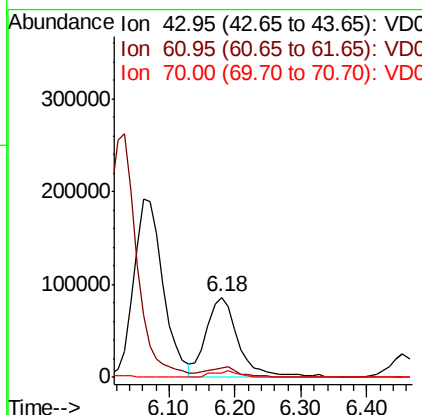
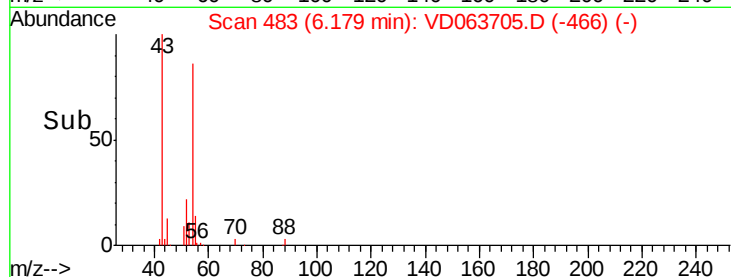
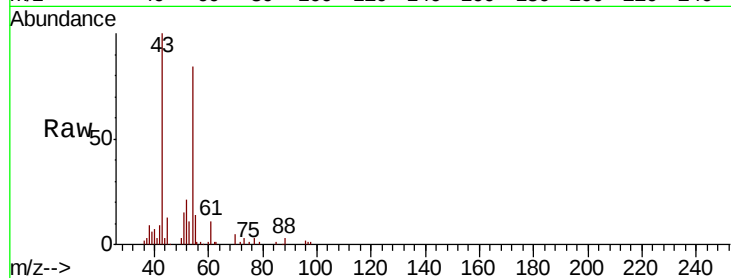




#37
Ethyl Acetate
Concen: 53.712 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

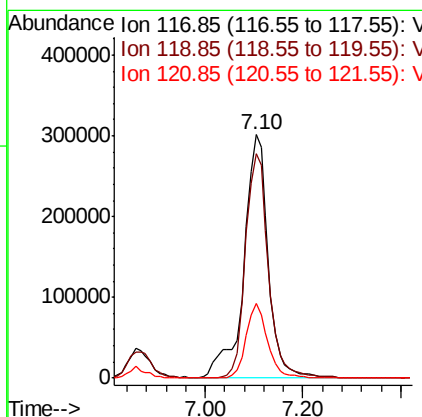
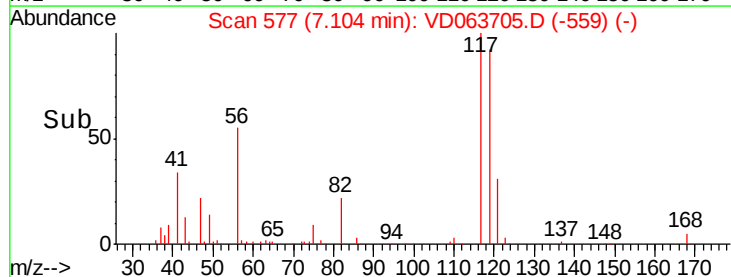
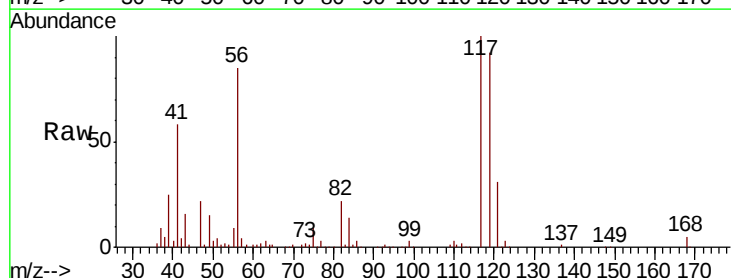
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 288791
Ion Ratio Lower Upper
43 100
61 11.3 9.0 13.6
70 5.5 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 53.980 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 117 Resp: 1043877
Ion Ratio Lower Upper
117 100
119 92.2 74.2 111.2
121 30.6 23.1 34.7





#39

Methylcyclohexane

Concen: 49.863 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

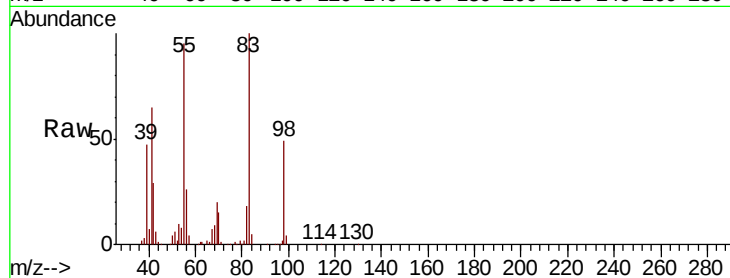
Tgt Ion: 83 Resp: 544054

Ion Ratio Lower Upper

83 100

55 94.6 76.6 114.8

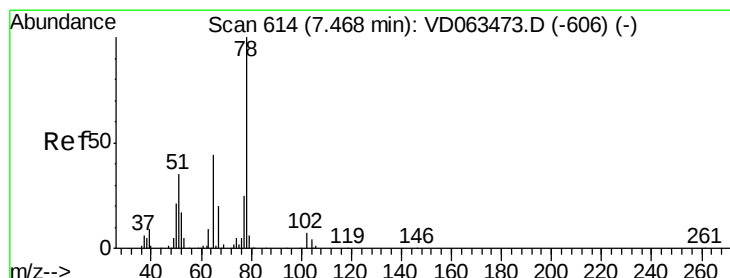
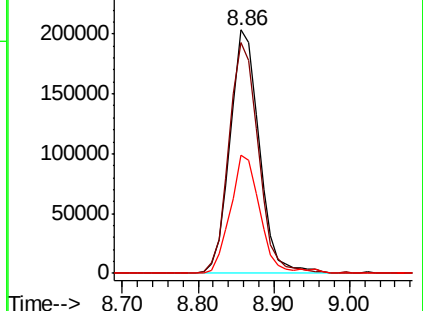
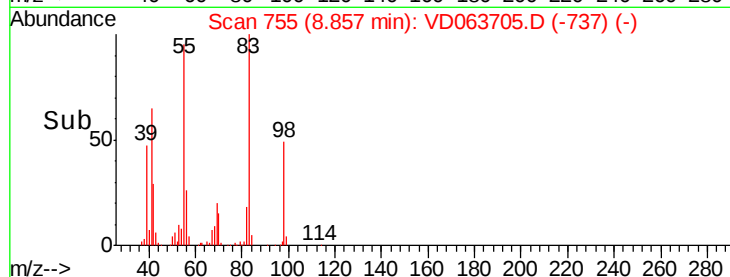
98 48.5 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 47.960 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063705.D

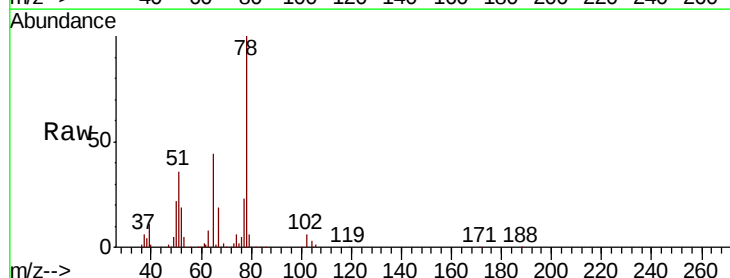
Acq: 21 Aug 2019 11:25

Tgt Ion: 78 Resp: 1354248

Ion Ratio Lower Upper

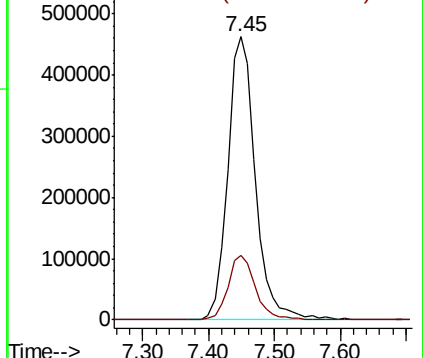
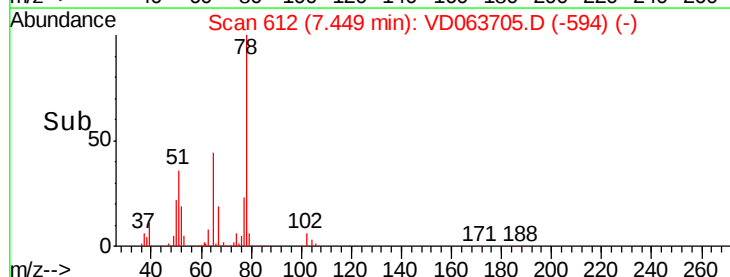
78 100

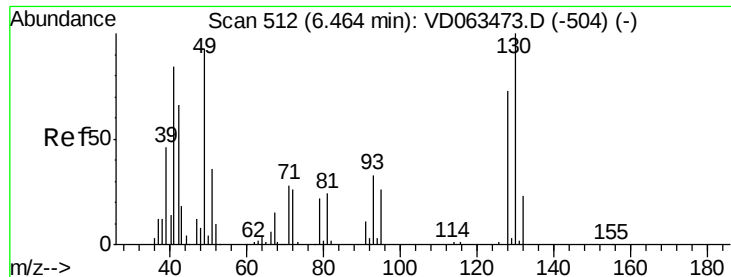
77 22.8 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 52.651 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 356438

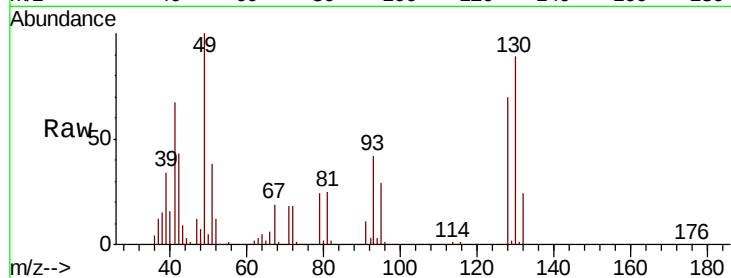
Ion Ratio Lower Upper

41 100

39 50.4 44.6 66.8

67 28.0 14.4 21.6#

52 18.3 9.3 13.9#

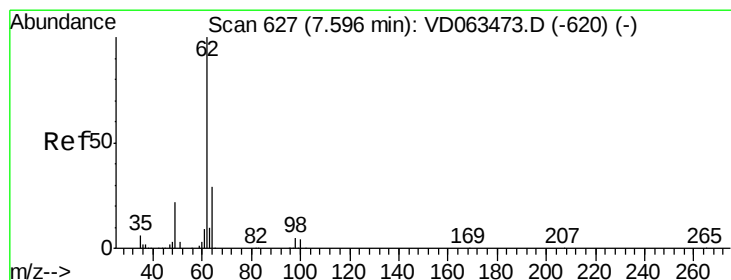
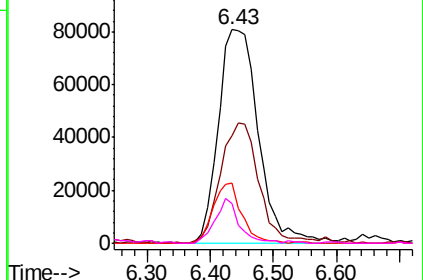
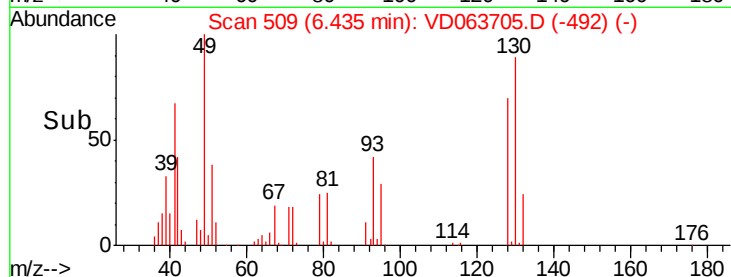


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.821 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.03 min

Lab File: VD063705.D

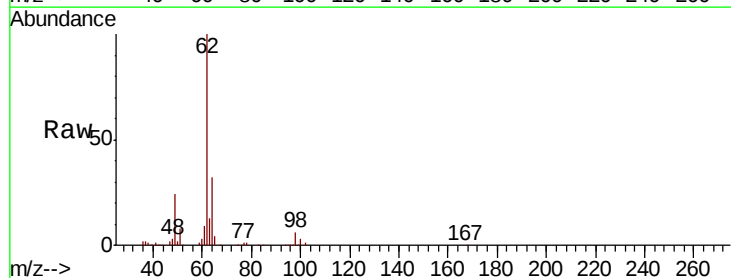
Acq: 21 Aug 2019 11:25

Tgt Ion: 62 Resp: 707375

Ion Ratio Lower Upper

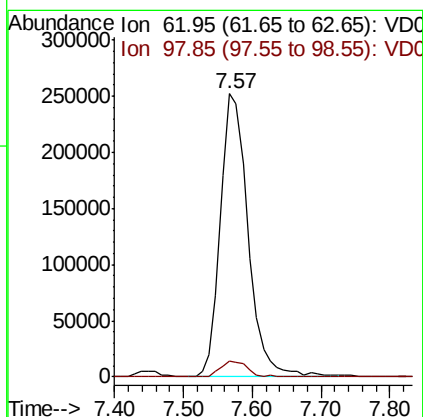
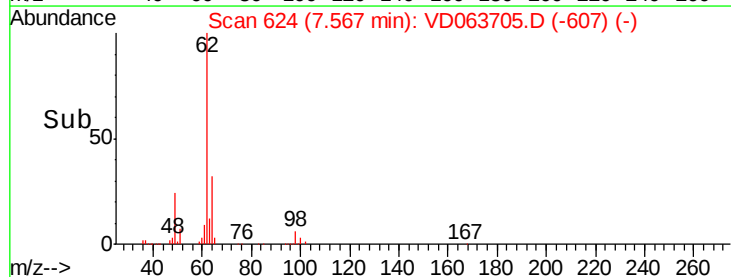
62 100

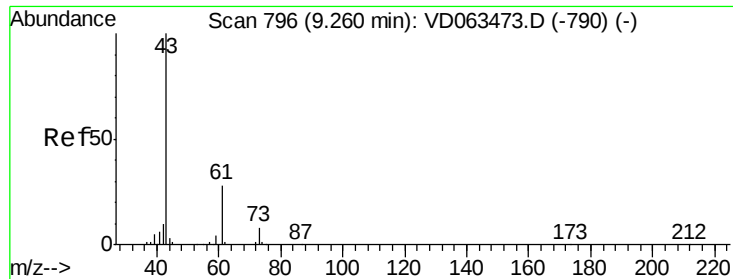
98 5.8 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.694 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

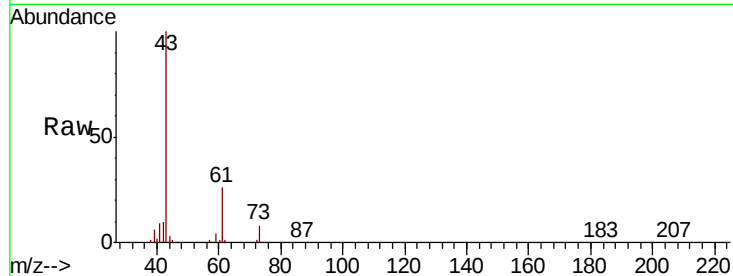
Tgt Ion: 43 Resp: 386659

Ion Ratio Lower Upper

43 100

61 26.3 22.2 33.2

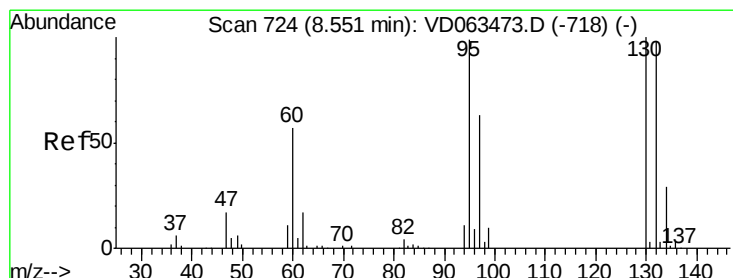
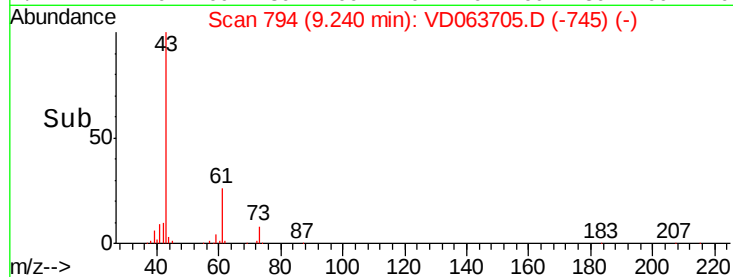
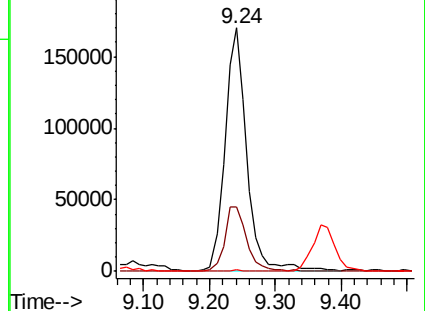
87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.482 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063705.D

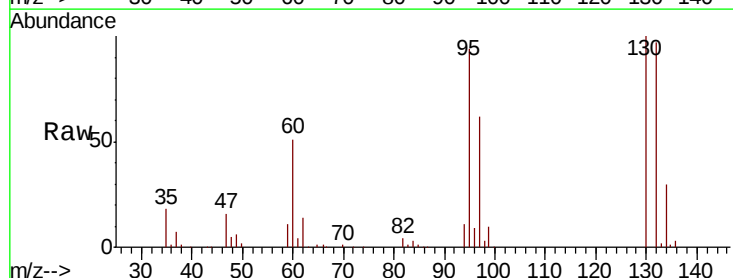
Acq: 21 Aug 2019 11:25

Tgt Ion: 130 Resp: 555638

Ion Ratio Lower Upper

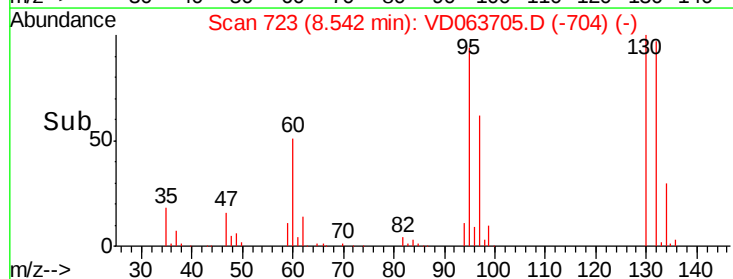
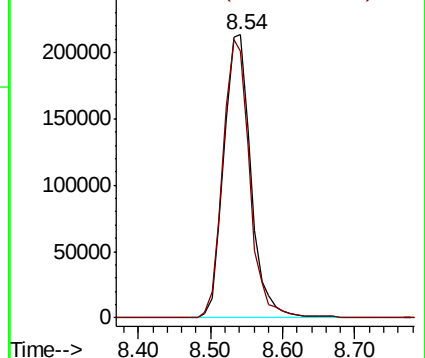
130 100

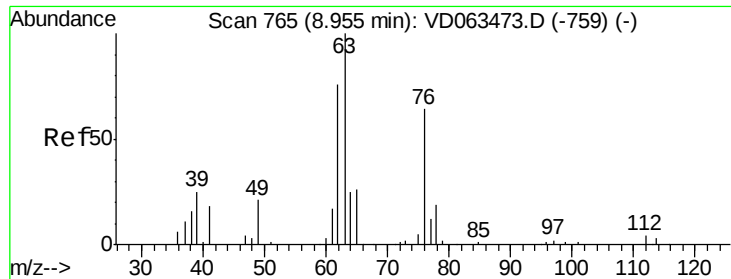
95 94.1 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.542 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

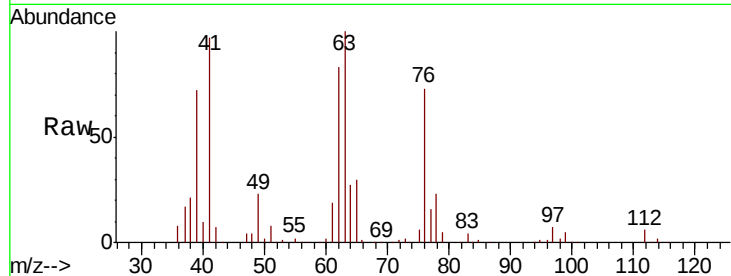
VSTDCCC050

Tgt Ion: 63 Resp: 345501

Ion Ratio Lower Upper

63 100

65 30.2 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

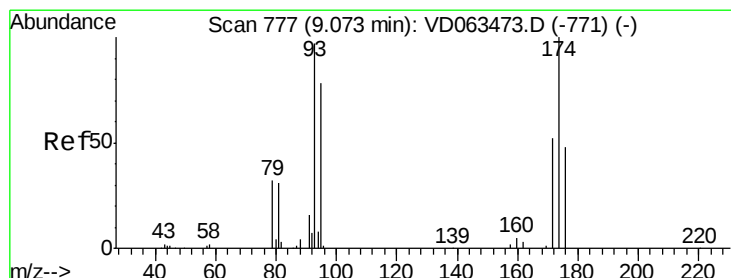
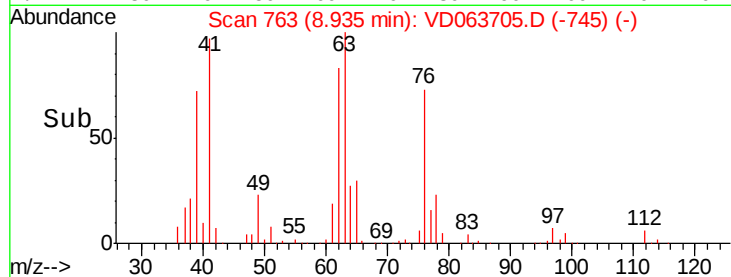
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.363 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

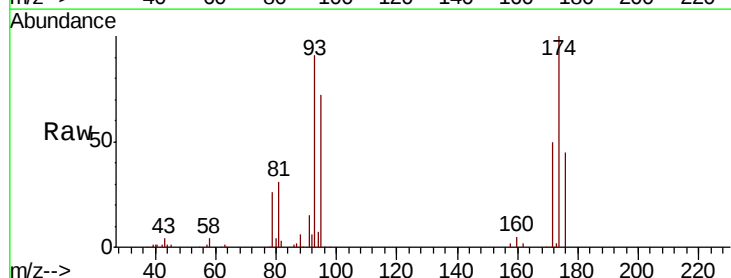
Tgt Ion: 93 Resp: 288431

Ion Ratio Lower Upper

93 100

95 78.9 64.2 96.2

174 110.0 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

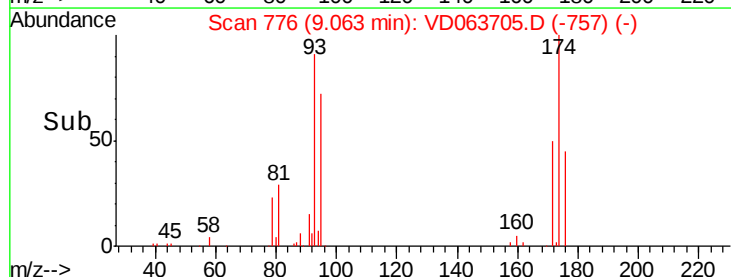
150000

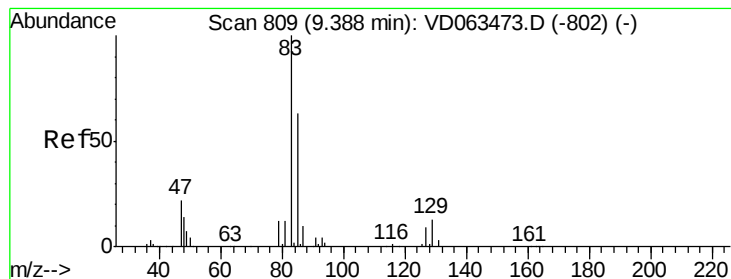
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.558 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

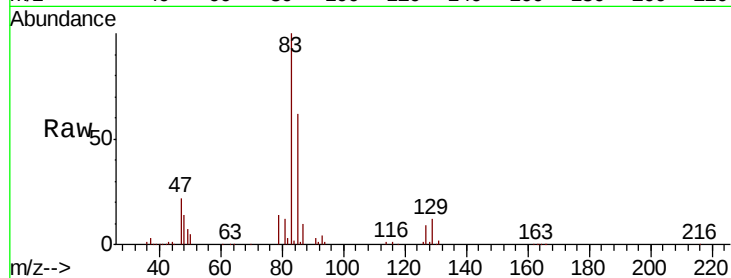
Tgt Ion: 83 Resp: 785884

Ion Ratio Lower Upper

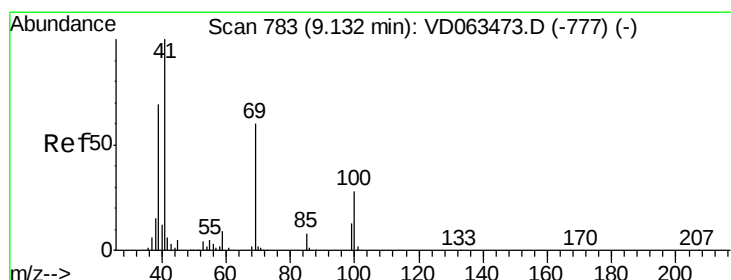
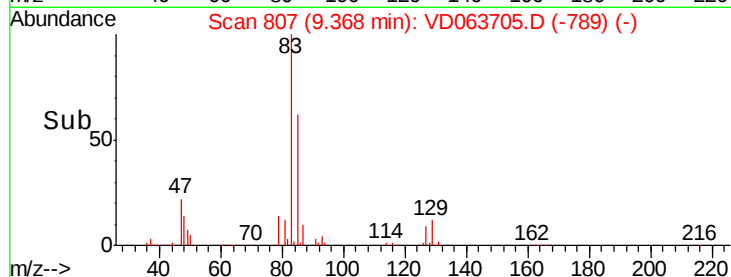
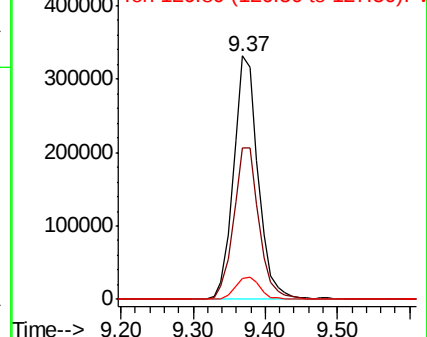
83 100

85 62.0 50.1 75.1

127 8.7 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: 51.799 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

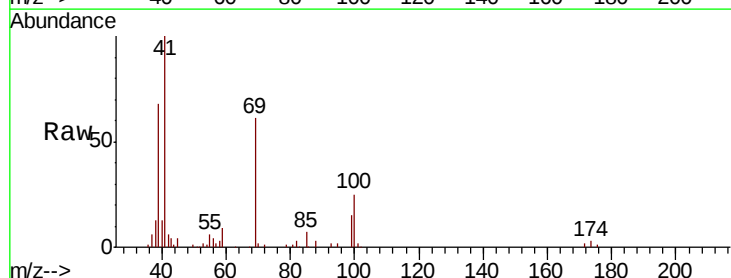
Tgt Ion: 41 Resp: 252968

Ion Ratio Lower Upper

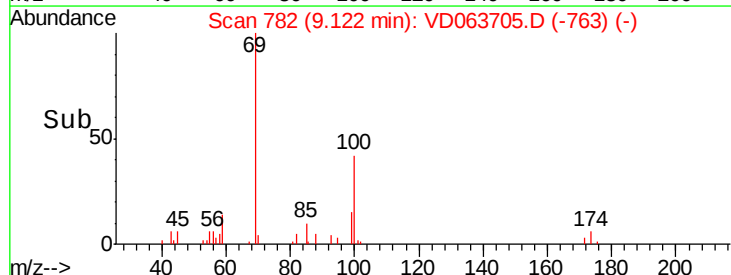
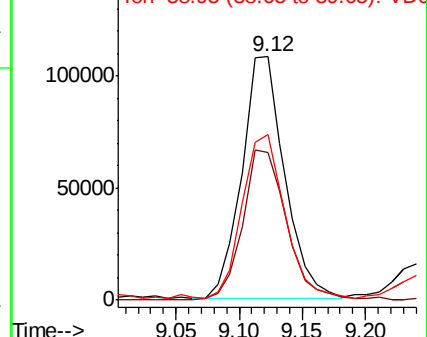
41 100

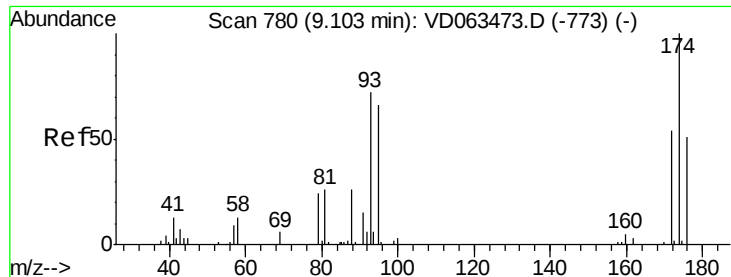
69 60.6 47.6 71.4

39 68.1 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

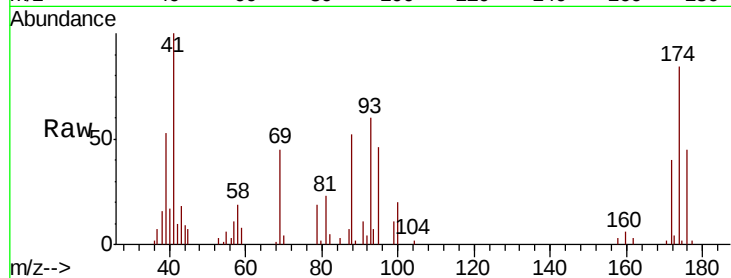




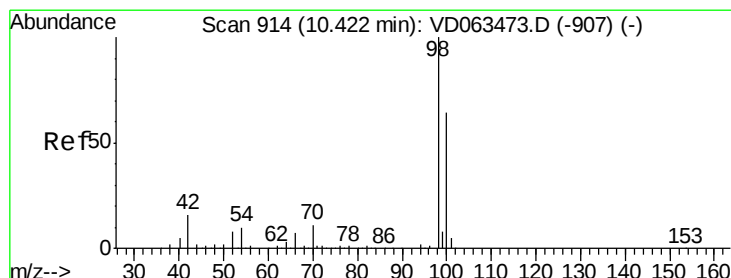
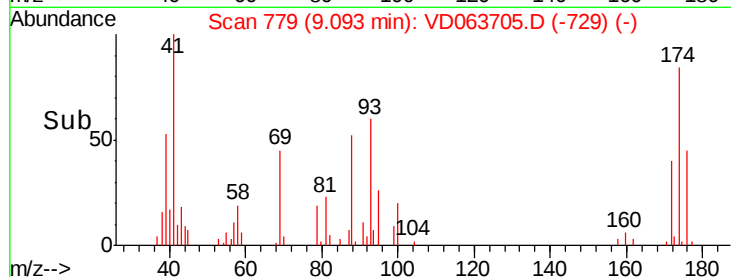
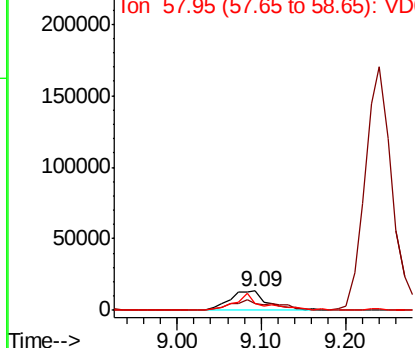
#49
1,4-Dioxane
Concen: 1011.645 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 44131
Ion Ratio Lower Upper
88 100
43 35.0 22.9 34.3#
58 36.2 40.1 60.1#

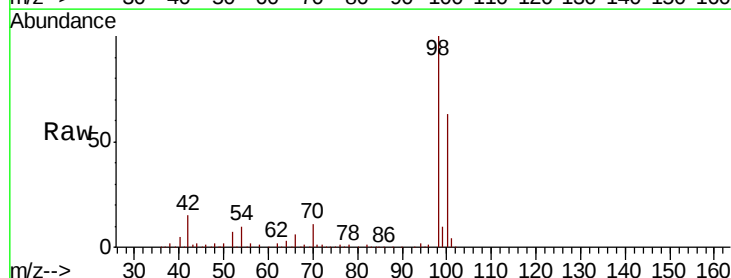


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

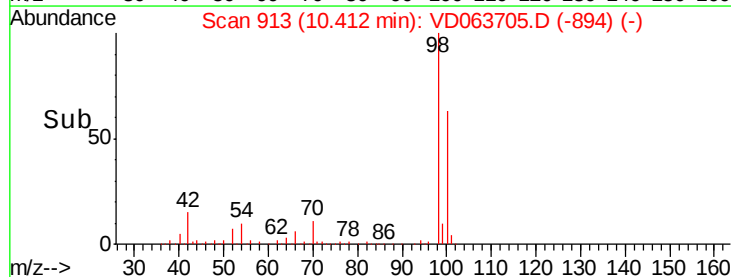
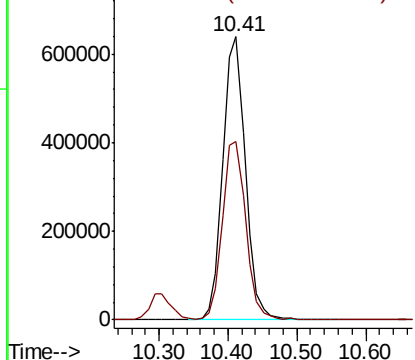


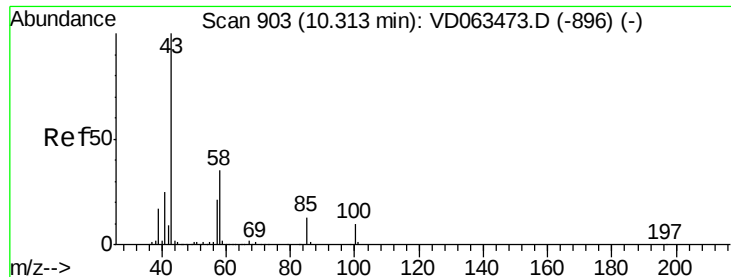
#50
Toluene-d8
Concen: 54.067 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 98 Resp: 1453101
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



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

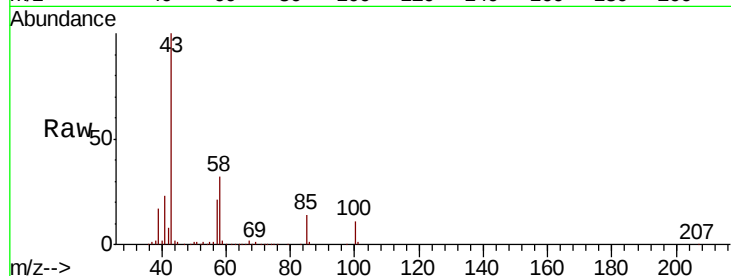




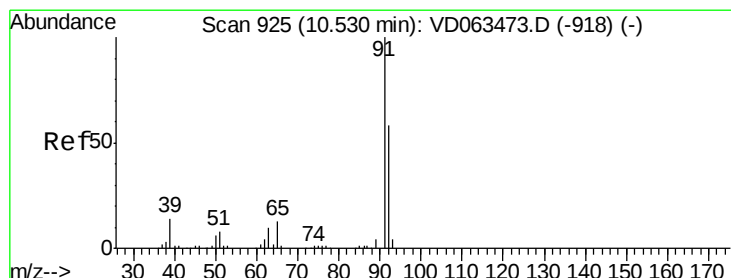
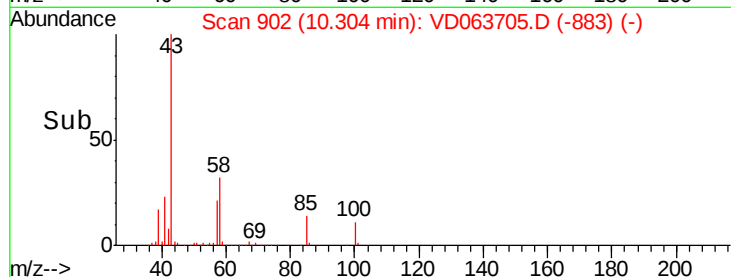
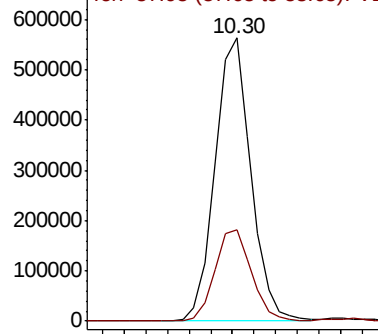
#51
 4-Methyl-2-Pentanone
 Concen: 262.207 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1292034
 Ion Ratio Lower Upper
 43 100
 58 32.1 28.0 42.0

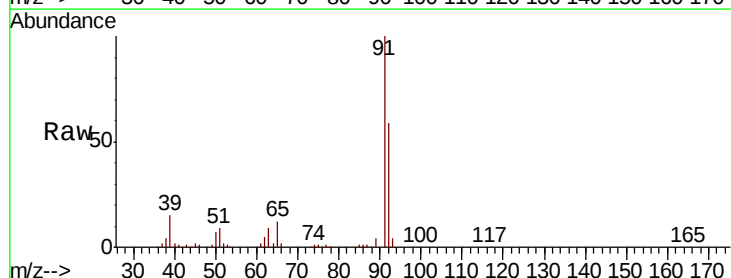


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

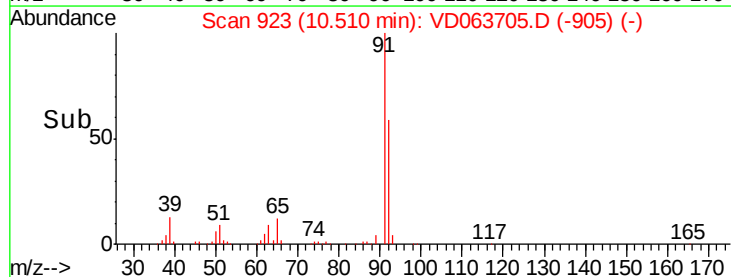
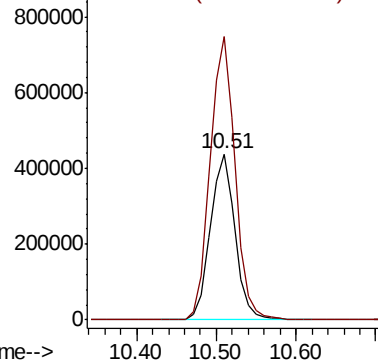


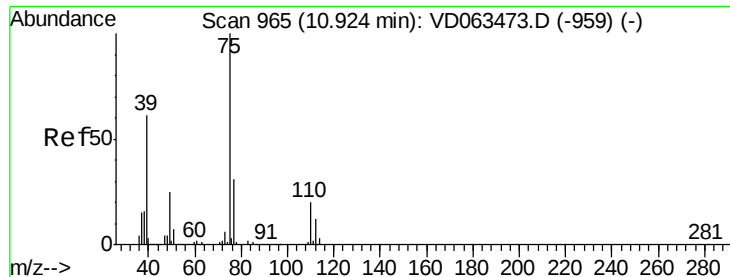
#52
 Toluene
 Concen: 51.568 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 92 Resp: 937889
 Ion Ratio Lower Upper
 92 100
 91 170.3 137.9 206.9



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

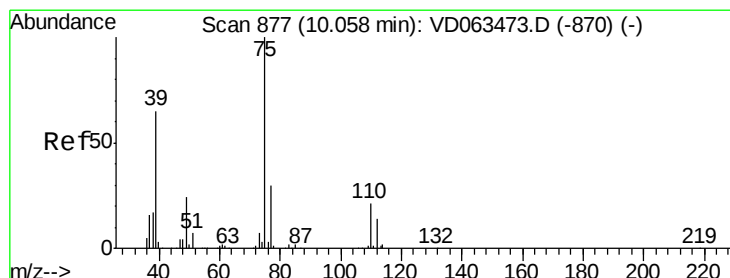
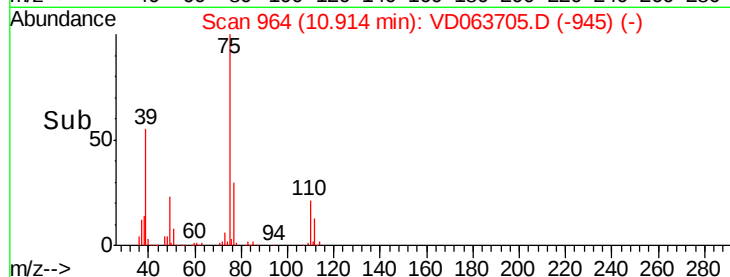
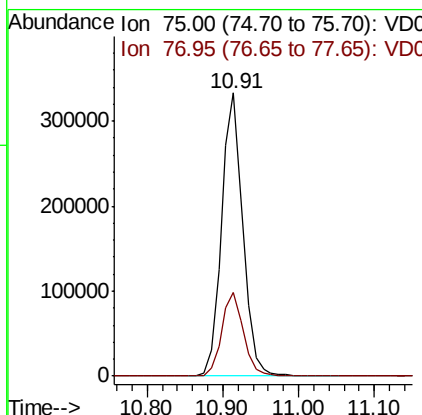
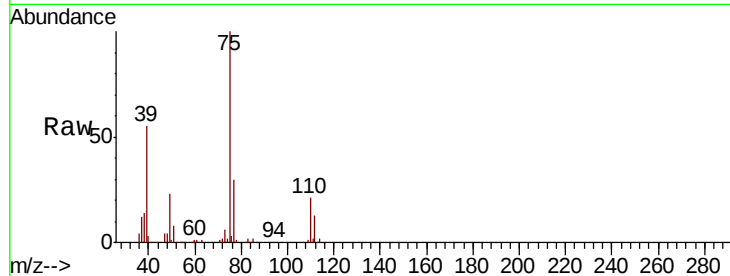




#53
 t-1,3-Dichloropropene
 Concen: 55.147 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

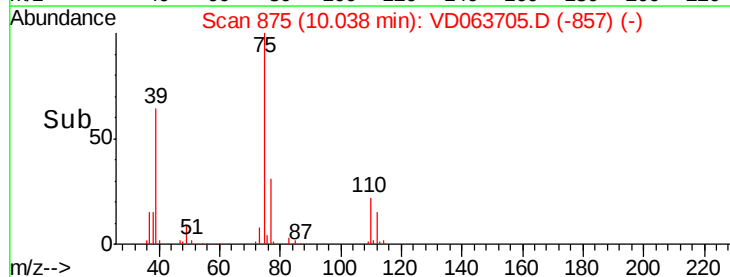
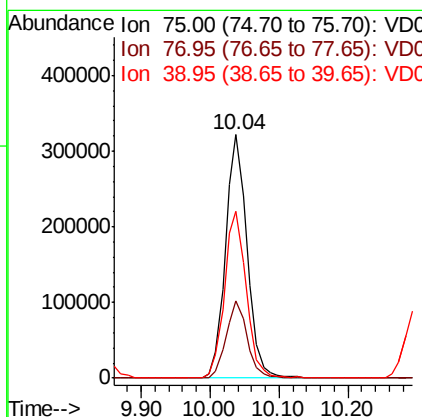
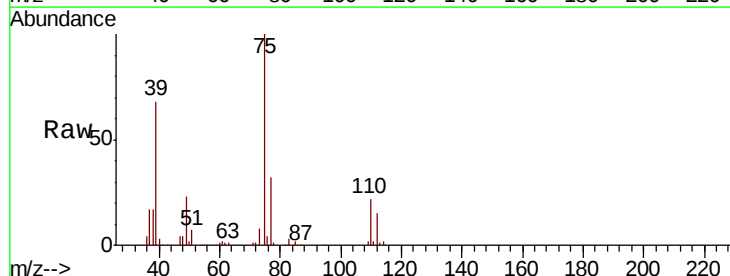
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

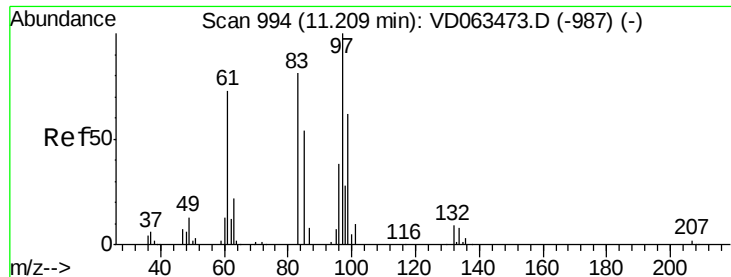
Tgt Ion: 75 Resp: 648286
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.452 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 75 Resp: 695268
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.7 35.5
 39 68.4 52.2 78.4

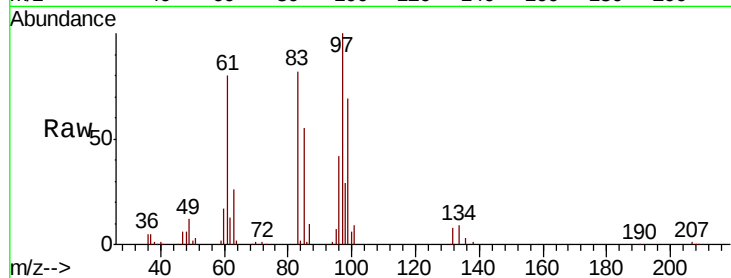




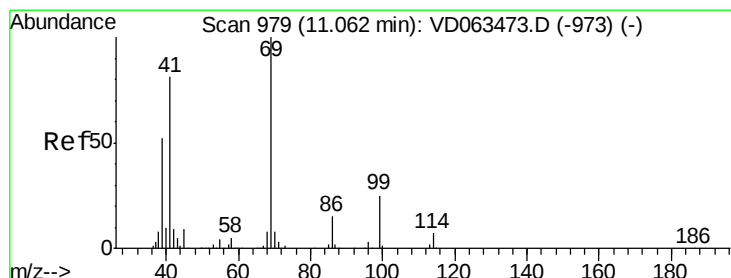
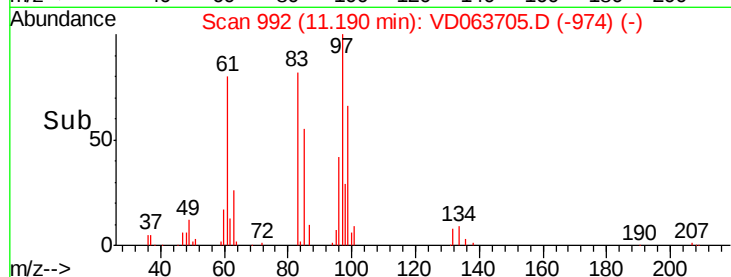
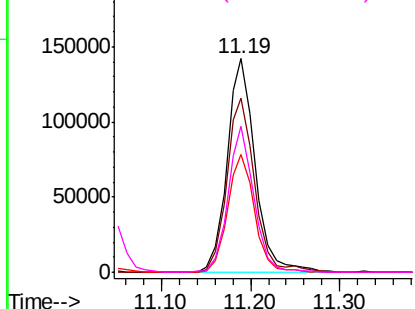
#55
 1,1,2-Trichloroethane
 Concen: 51.178 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	314418
Ion	Ratio	Lower	Upper
97	100		
83	81.8	64.7	97.1
85	55.4	42.9	64.3
99	68.6	49.7	74.5

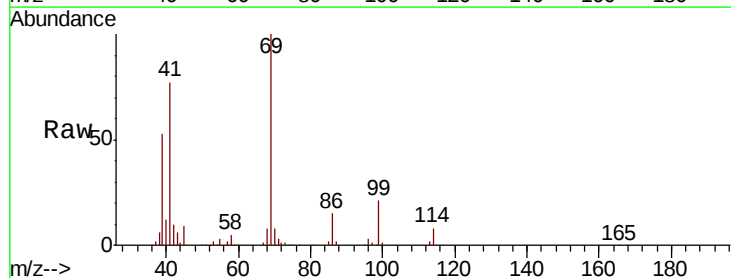


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

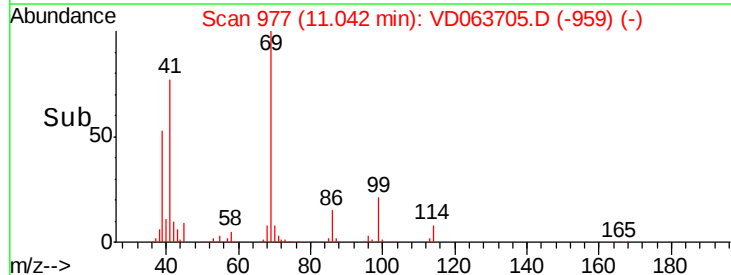
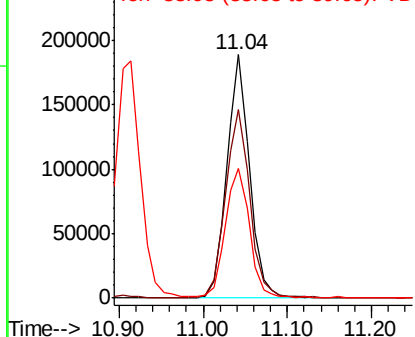


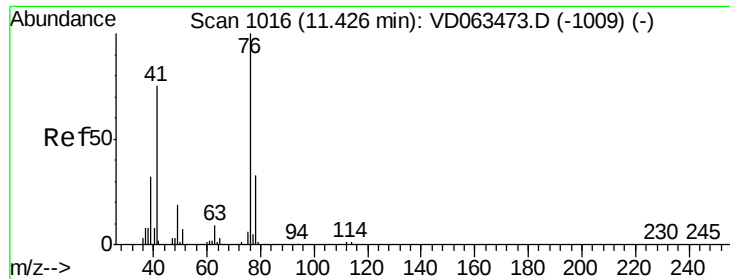
#56
 Ethyl methacrylate
 Concen: 52.928 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:	69	Resp:	352938
Ion	Ratio	Lower	Upper
69	100		
41	77.2	64.8	97.2
39	53.2	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

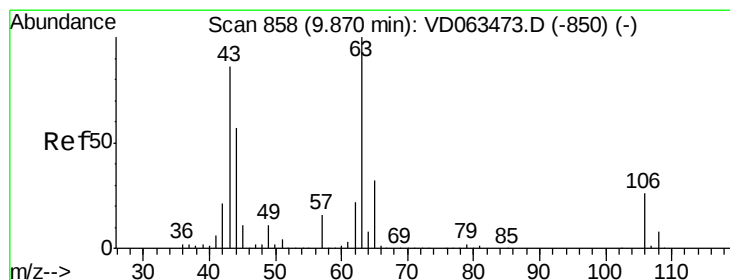
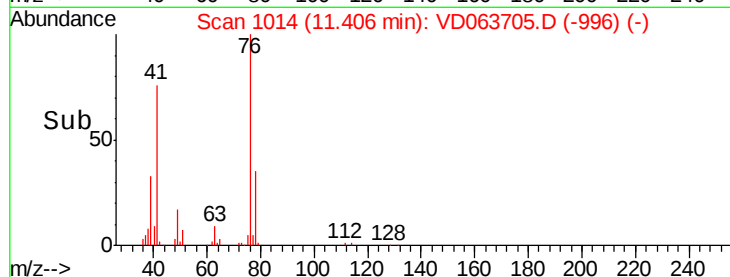
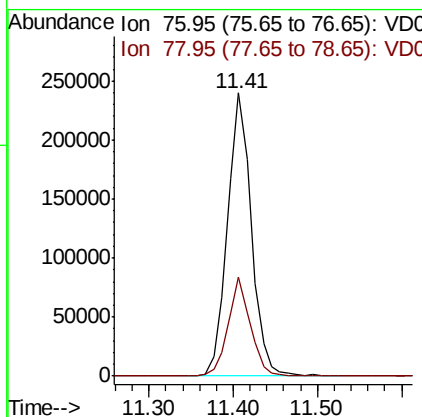
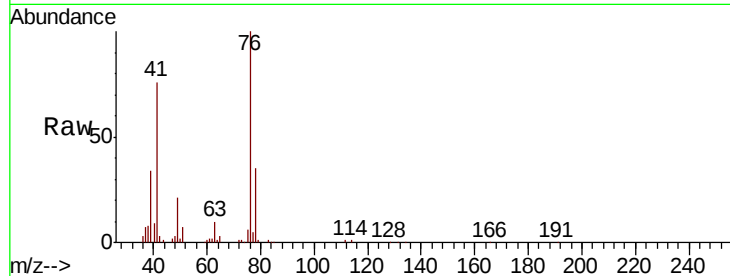




#57
 1,3-Dichloropropane
 Concen: 50.840 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

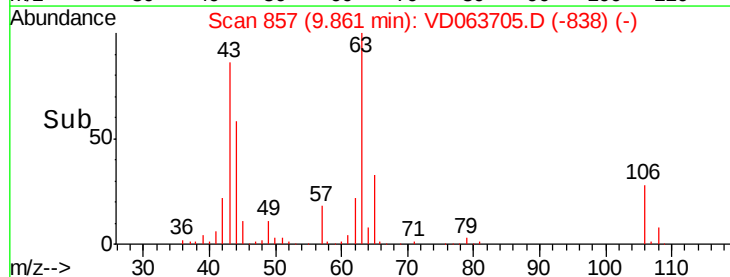
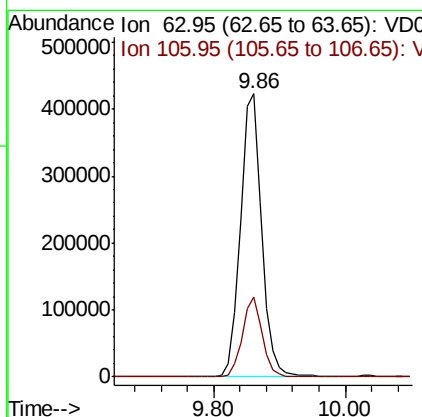
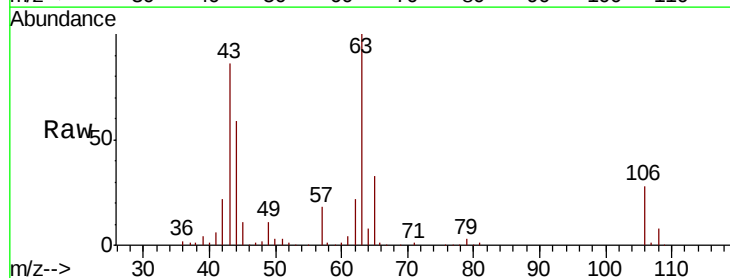
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

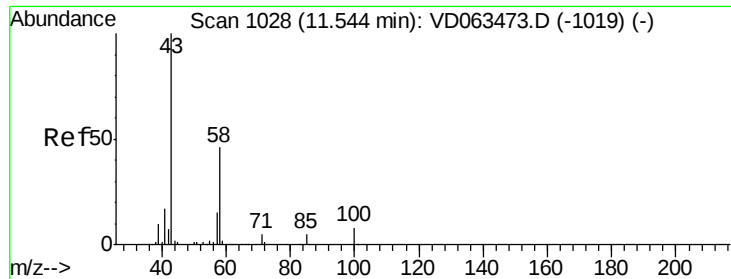
Tgt Ion: 76 Resp: 472127
 Ion Ratio Lower Upper
 76 100
 78 34.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.855 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 63 Resp: 957037
 Ion Ratio Lower Upper
 63 100
 106 28.0 20.8 31.2

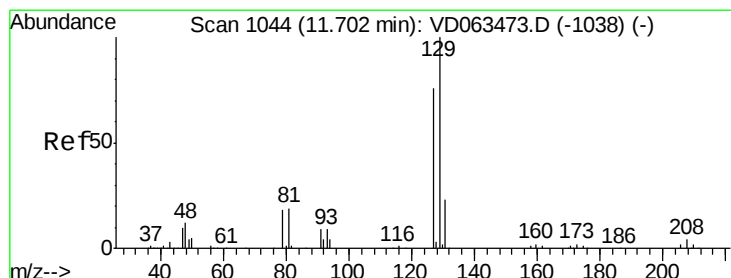
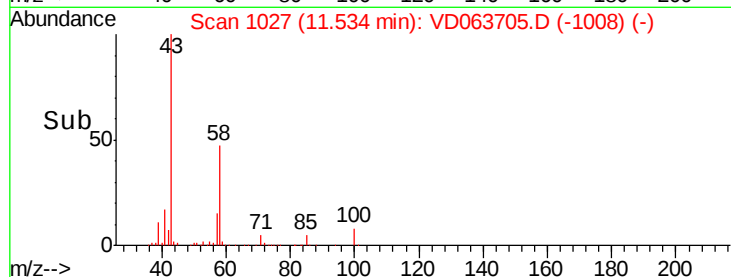
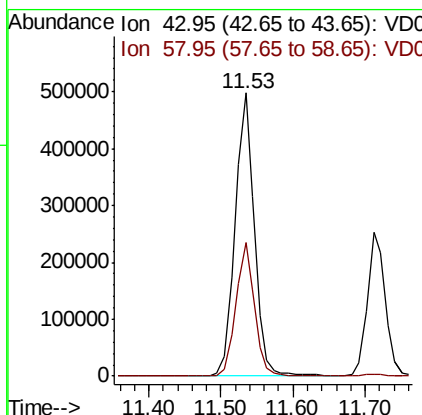
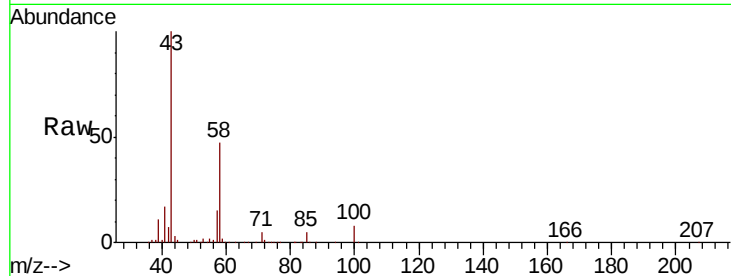




#59
2-Hexanone
Concen: 258.884 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

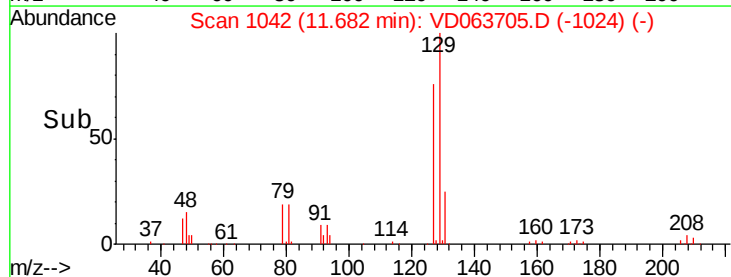
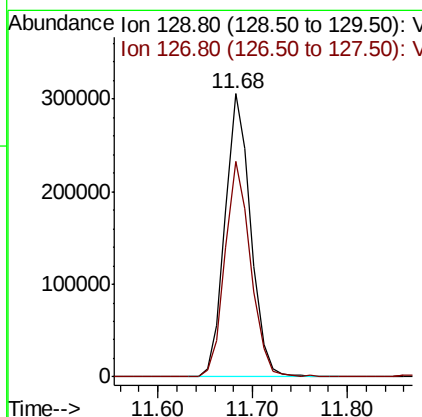
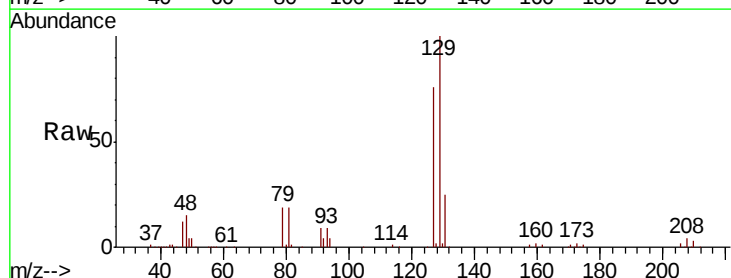
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

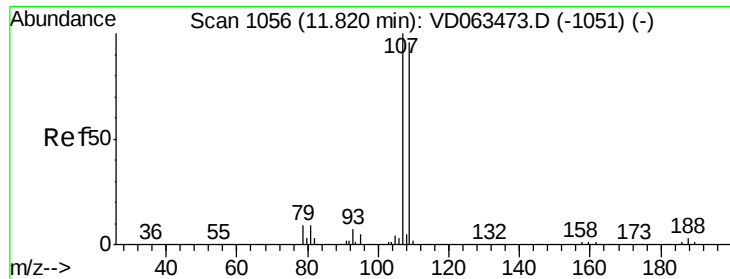
Tgt Ion: 43 Resp: 928206
Ion Ratio Lower Upper
43 100
58 47.2 23.1 69.2



#60
Dibromochloromethane
Concen: 51.229 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 129 Resp: 572700
Ion Ratio Lower Upper
129 100
127 76.3 37.8 113.4

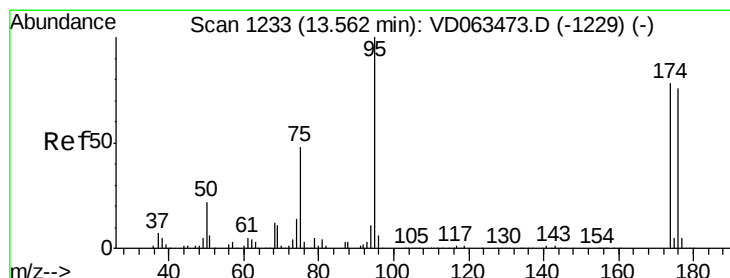
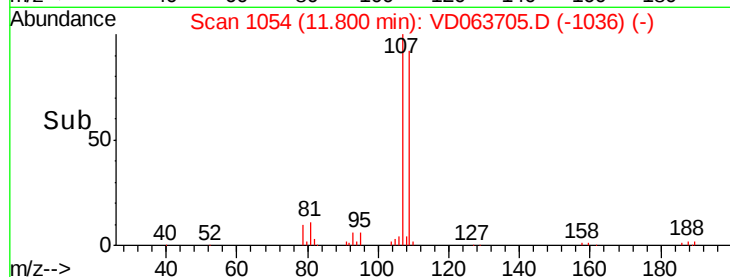
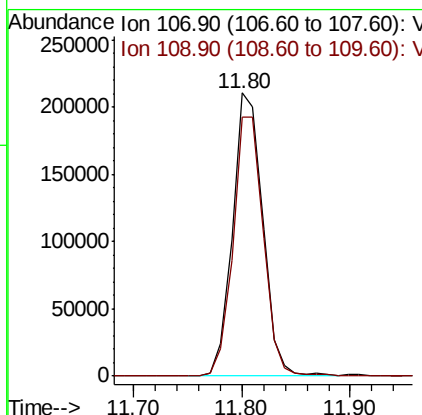
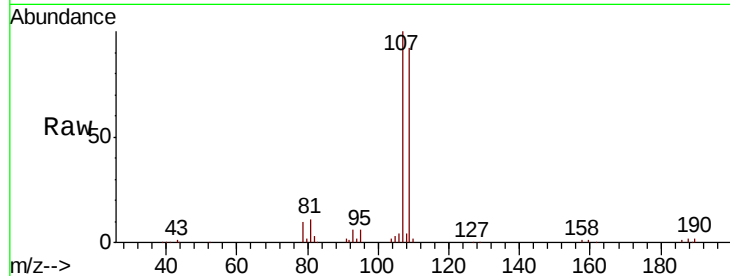




#61
 1,2-Dibromoethane
 Concen: 54.685 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

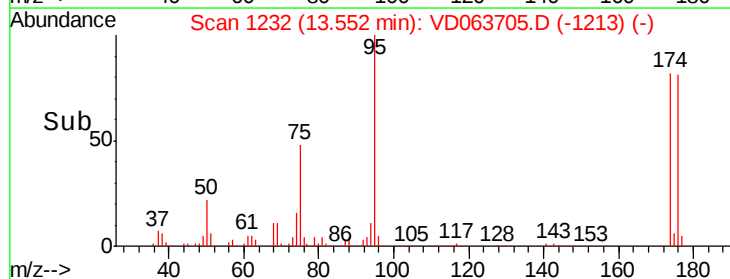
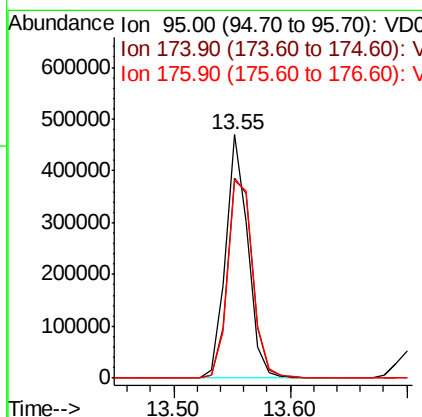
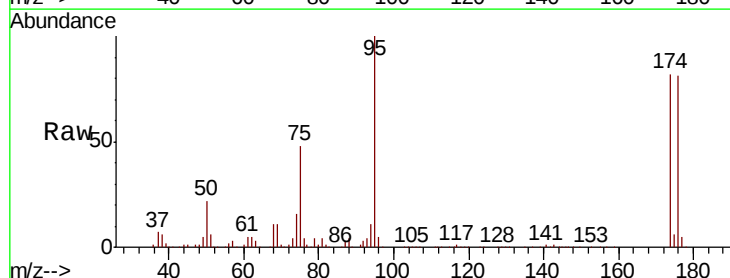
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 406711
 Ion Ratio Lower Upper
 107 100
 109 91.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.737 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 95 Resp: 618041
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 155.4
 176 81.3 0.0 152.4

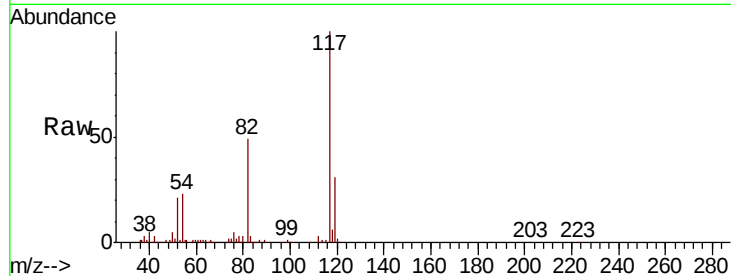




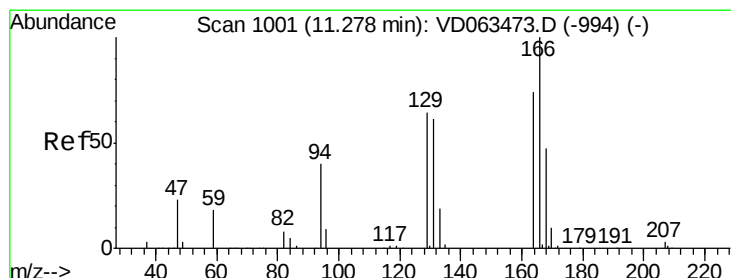
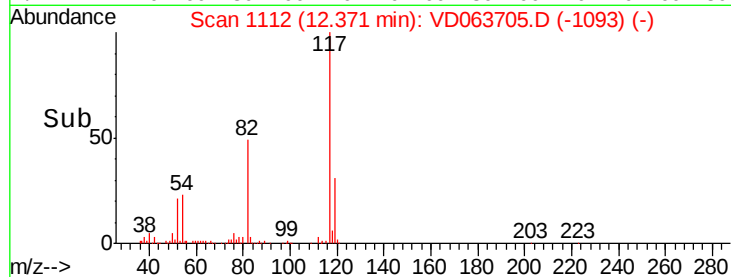
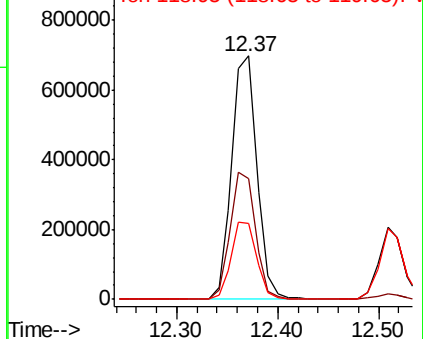
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1213459
Ion Ratio Lower Upper
117 100
82 49.4 42.0 63.0
119 31.3 25.4 38.0

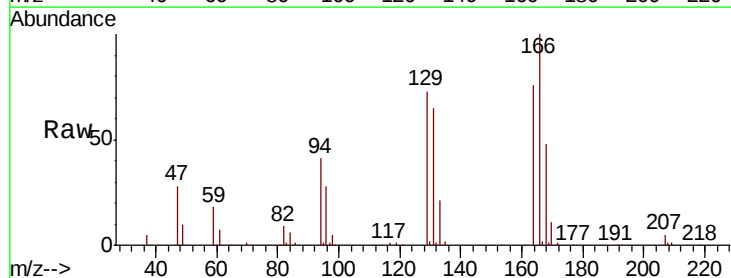


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

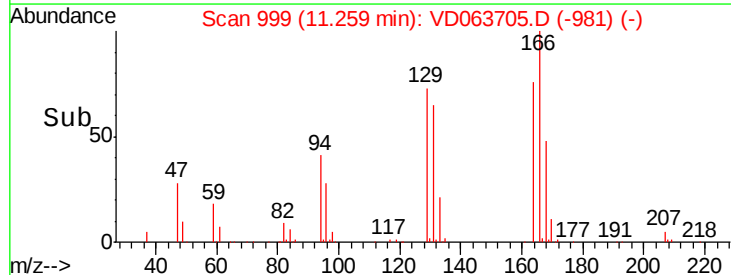
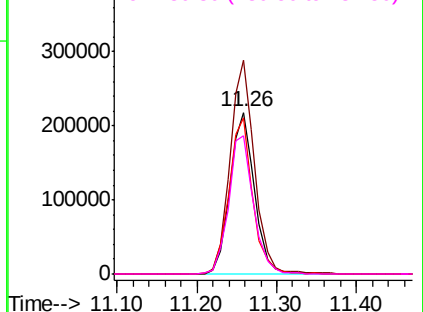


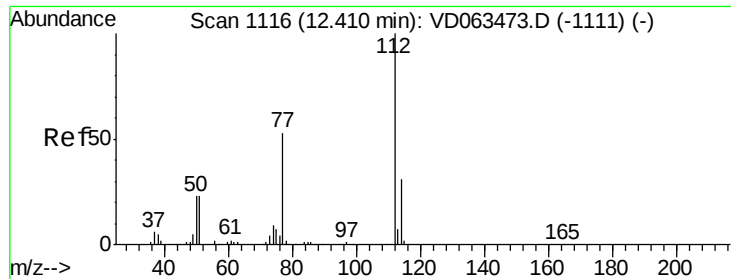
#64
Tetrachloroethene
Concen: 49.709 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion:164 Resp: 465649
Ion Ratio Lower Upper
164 100
166 132.0 108.6 163.0
129 96.2 69.0 103.6
131 85.4 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

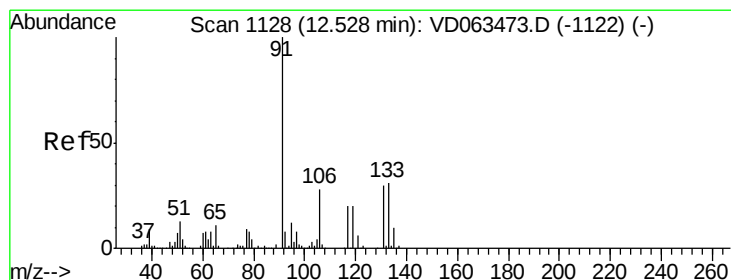
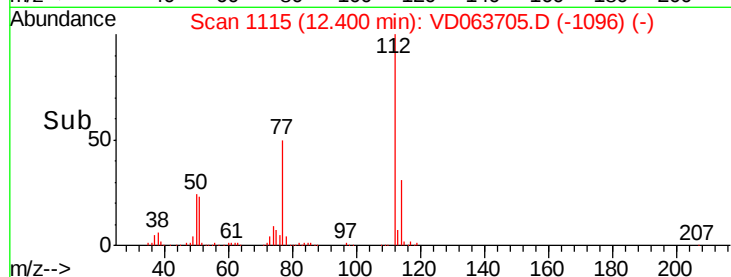
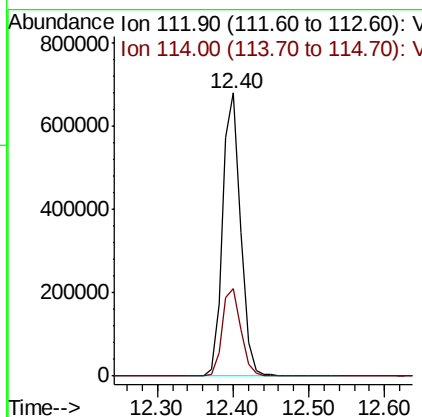
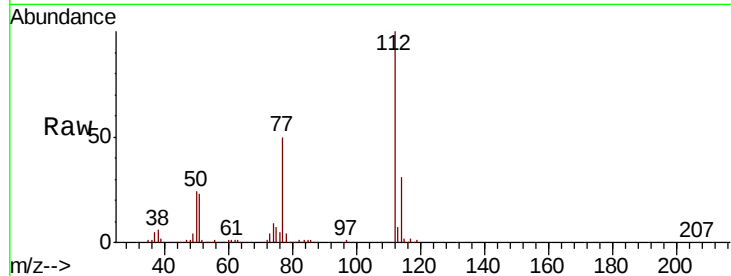




#65
Chlorobenzene
Concen: 49.387 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

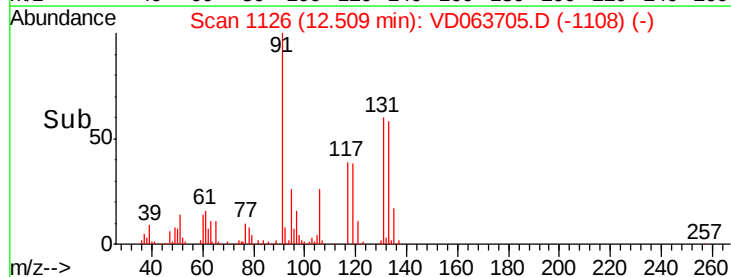
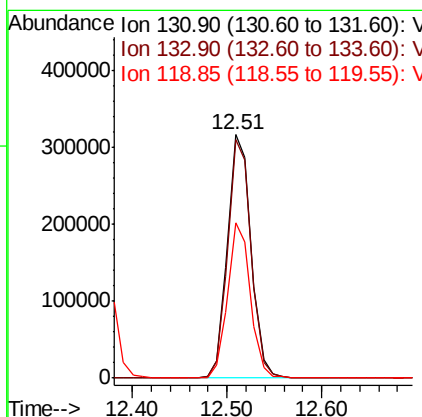
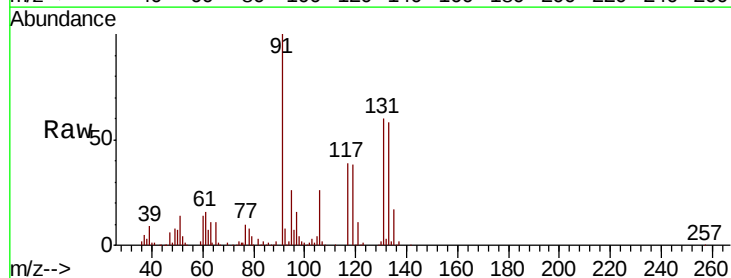
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

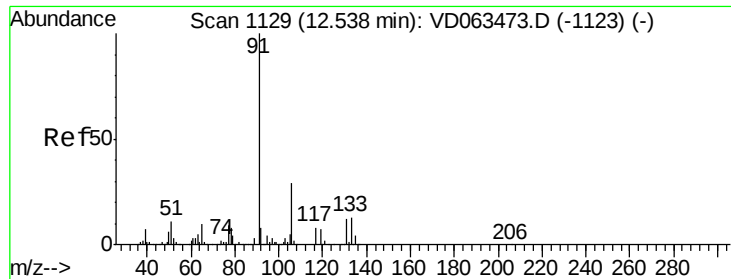
Tgt Ion:112 Resp: 1123205
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.394 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion:131 Resp: 544434
Ion Ratio Lower Upper
131 100
133 98.0 51.1 153.3
119 63.7 33.1 99.3

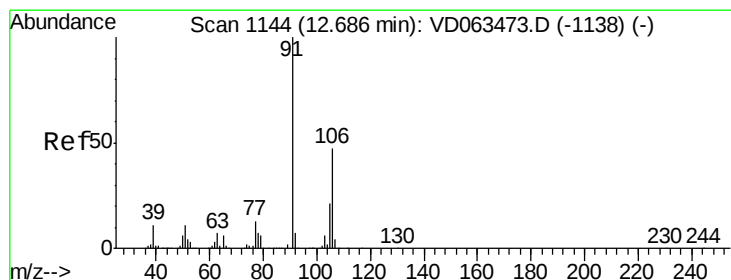
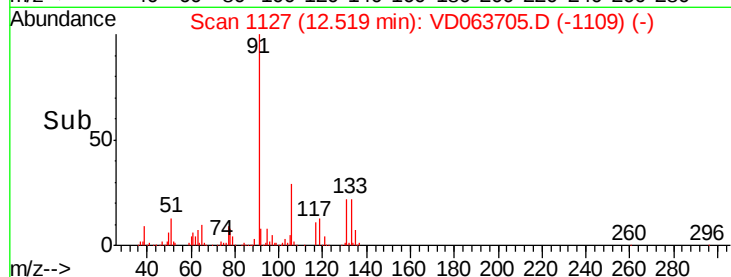
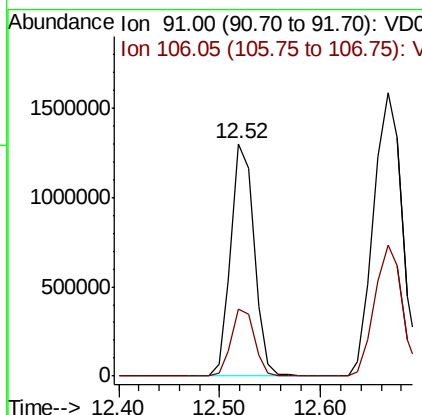
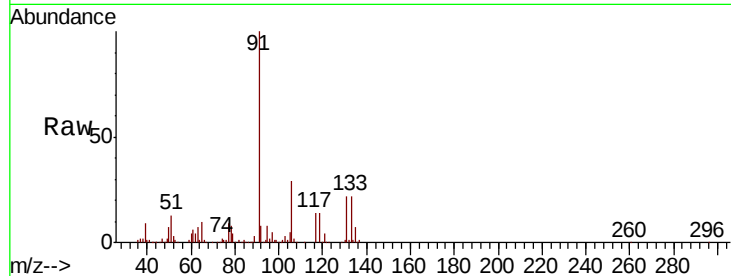




#67
Ethyl Benzene
Concen: 53.149 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

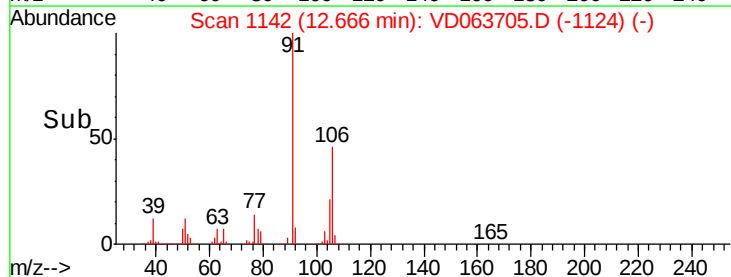
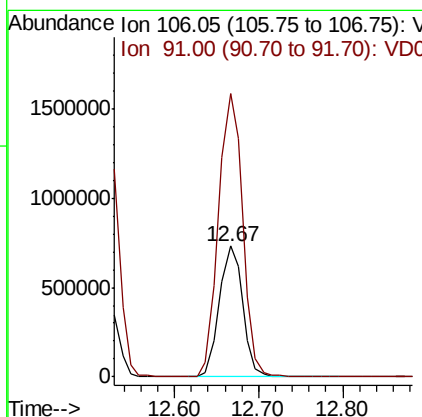
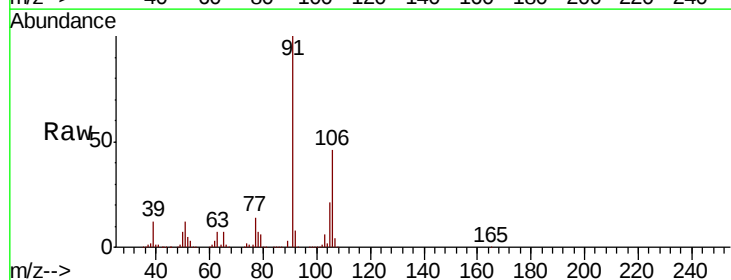
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

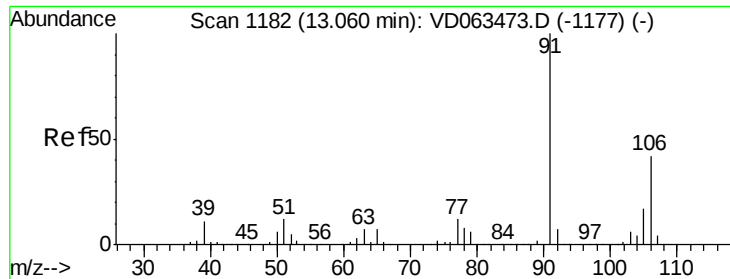
Tgt Ion: 91 Resp: 2101770
Ion Ratio Lower Upper
91 100
106 29.1 23.1 34.7



#68
m/p-Xylenes
Concen: 101.860 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion: 106 Resp: 1415166
Ion Ratio Lower Upper
106 100
91 216.4 171.8 257.8

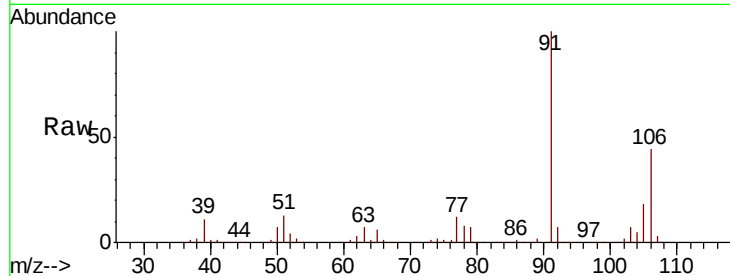




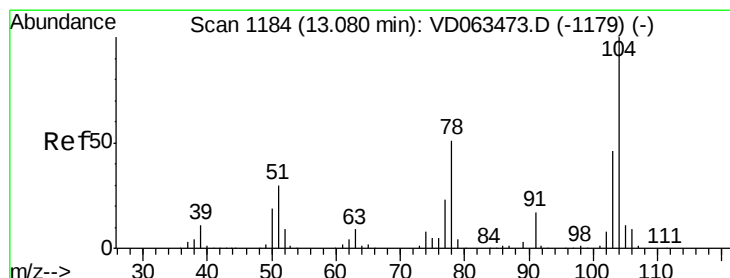
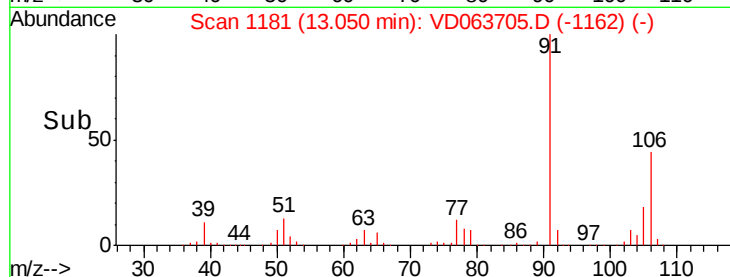
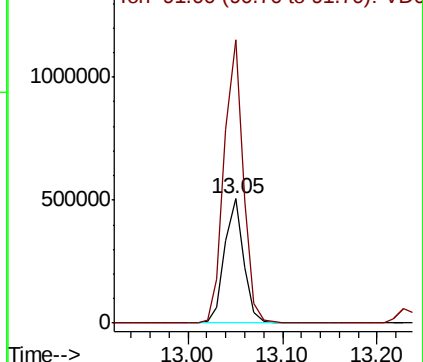
#69
o-Xylene
Concen: 52.648 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 703999
Ion Ratio Lower Upper
106 100
91 227.6 118.1 354.2

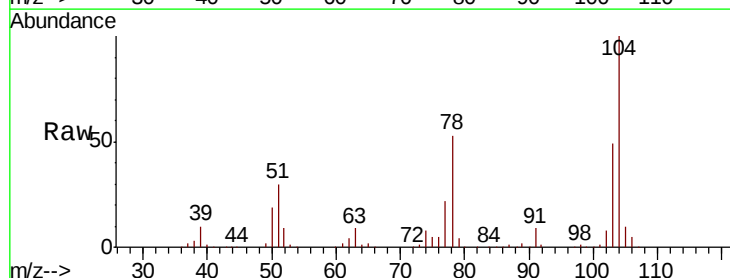


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

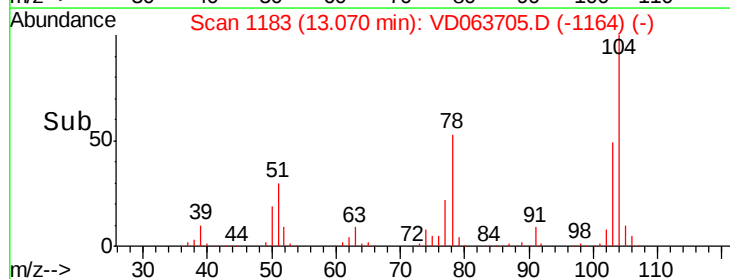
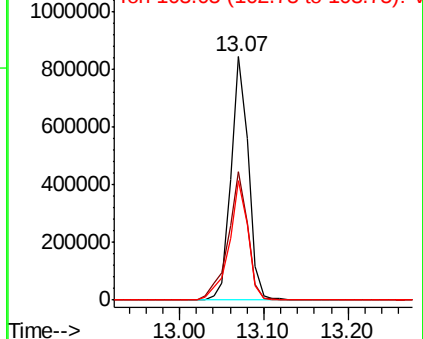


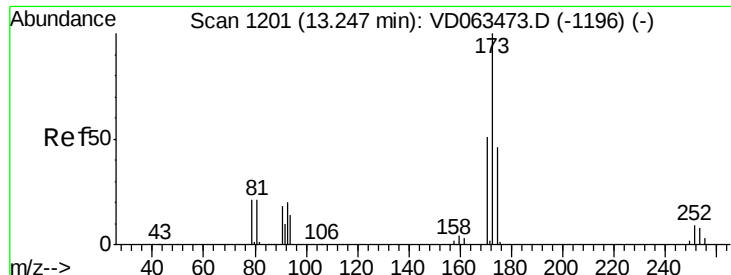
#70
Styrene
Concen: 51.039 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion:104 Resp: 1213992
Ion Ratio Lower Upper
104 100
78 53.0 40.8 61.2
103 49.2 36.4 54.6



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

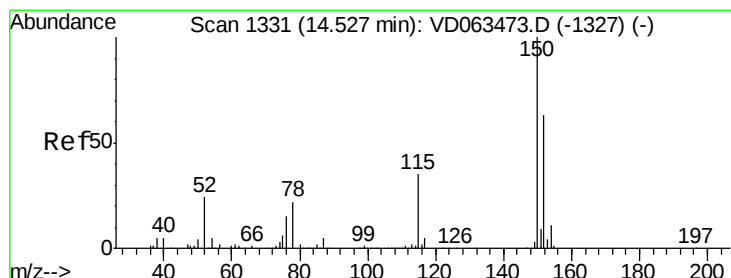
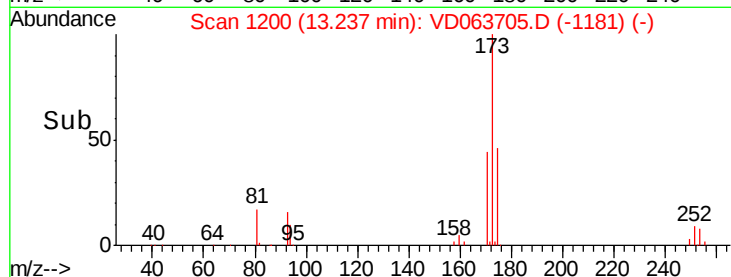
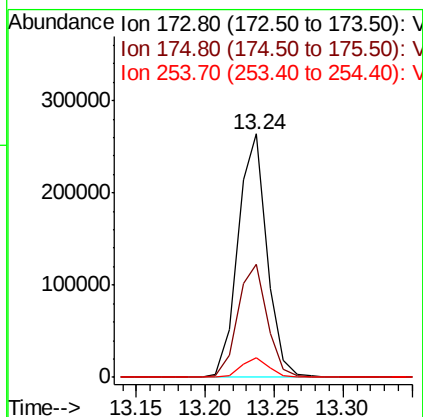
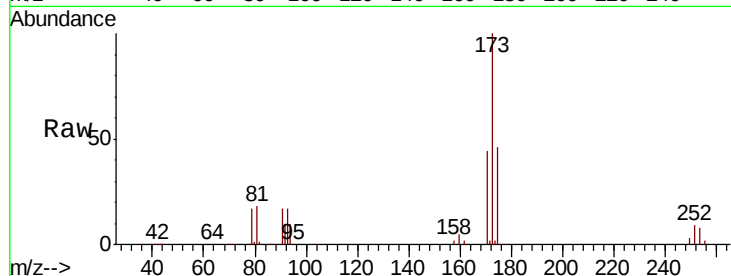




#71
Bromoform
Concen: 56.208 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

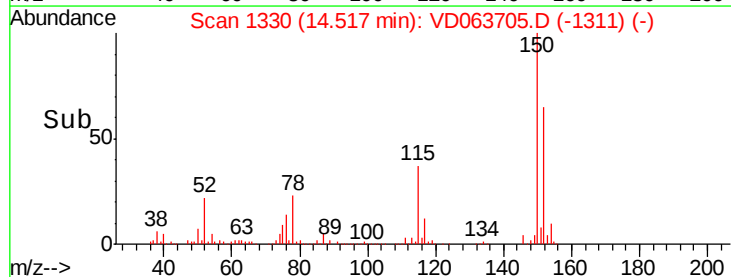
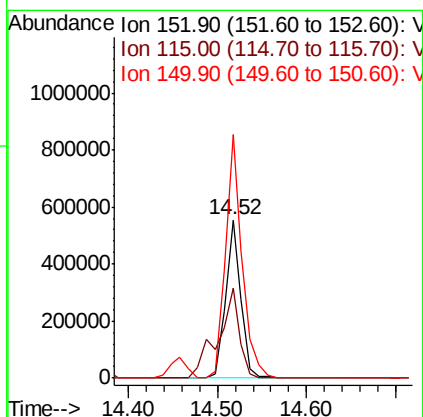
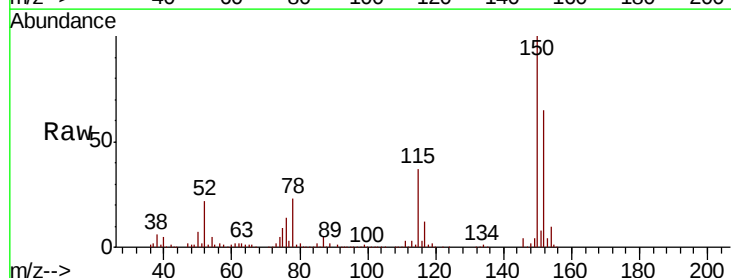
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 385769
Ion Ratio Lower Upper
173 100
175 46.3 22.8 68.3
254 8.2 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion:152 Resp: 669607
Ion Ratio Lower Upper
152 100
115 57.3 30.9 92.7
150 154.3 0.0 318.6





#73

Isopropylbenzene

Concen: 47.348 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

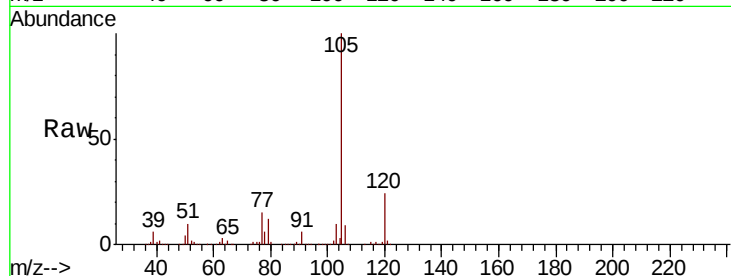
VSTDCCC050

Tgt Ion: 105 Resp: 2016602

Ion Ratio Lower Upper

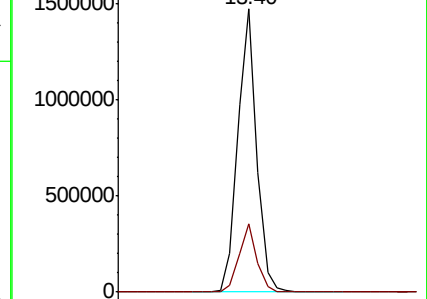
105 100

120 24.2 11.9 35.9

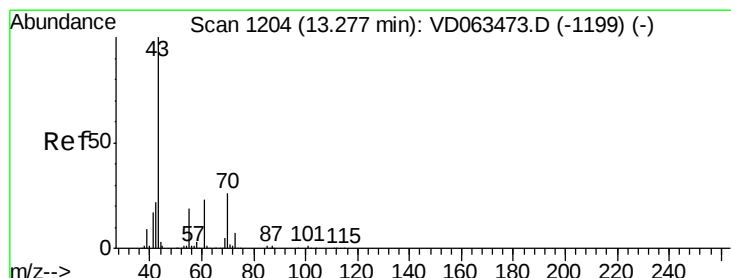
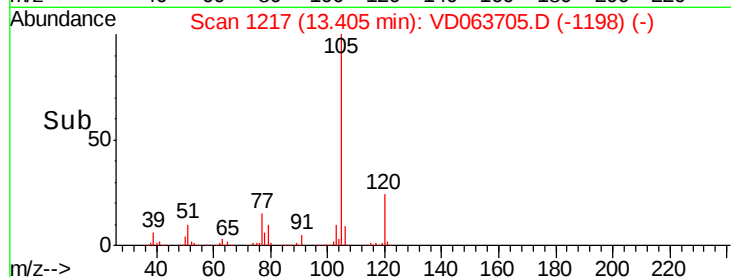


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 50.561 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Tgt Ion: 43 Resp: 540580

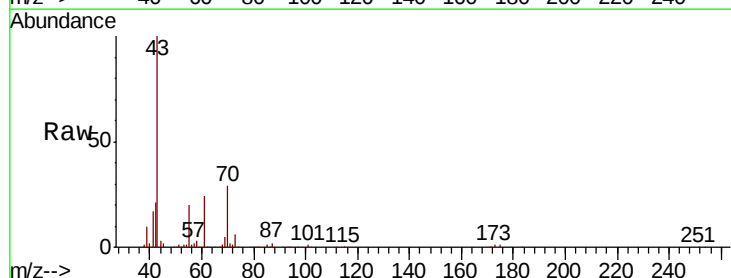
Ion Ratio Lower Upper

43 100

70 29.0 21.1 31.7

55 19.8 15.4 23.0

61 24.3 18.2 27.2

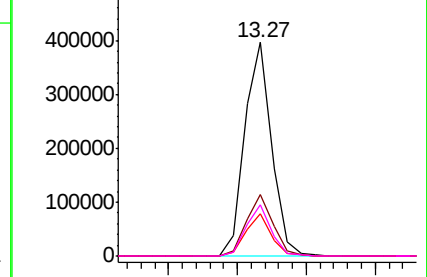


Abundance Ion 42.95 (42.65 to 43.65): V

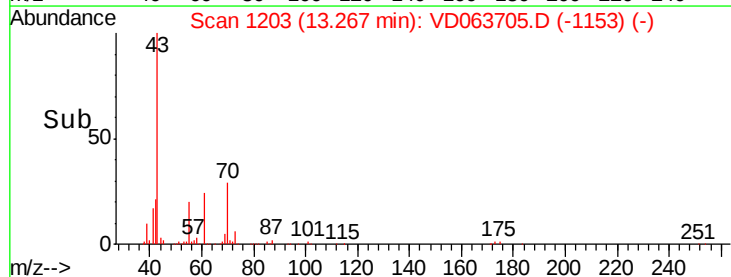
Ion 70.00 (69.70 to 70.70): V

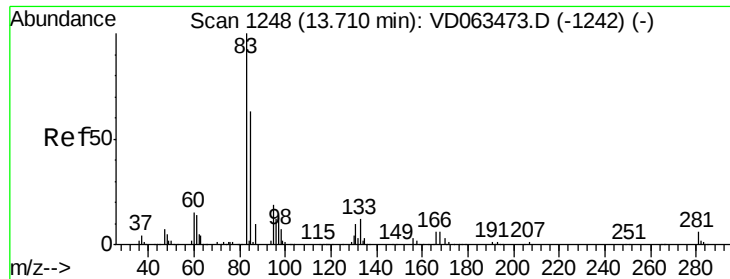
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.604 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

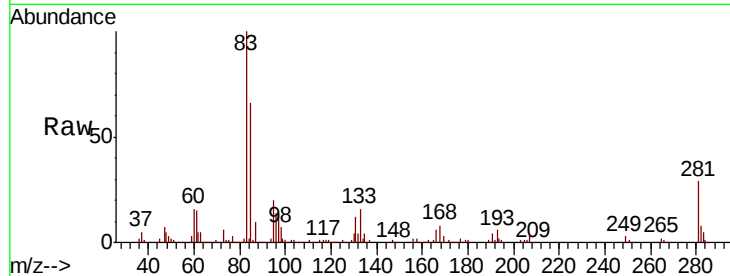
Tgt Ion: 83 Resp: 364801

Ion Ratio Lower Upper

83 100

131 12.2 5.3 15.8

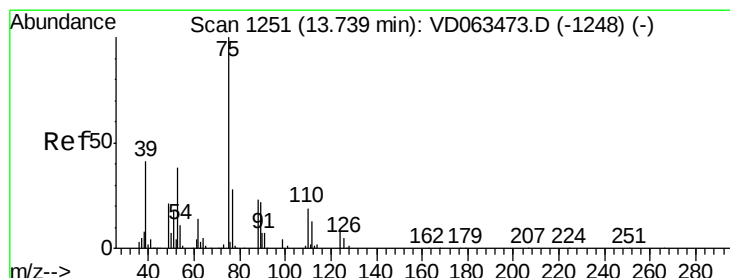
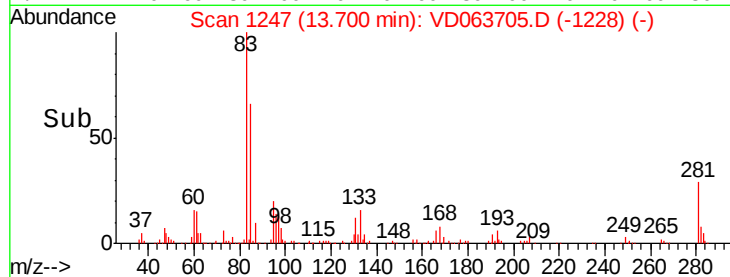
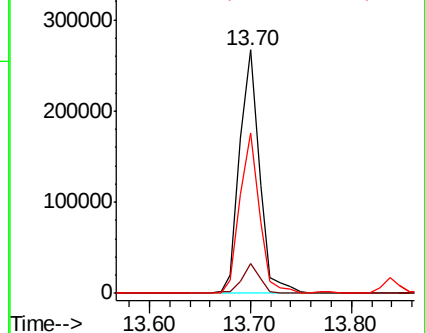
85 66.1 31.4 94.3



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: 51.671 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063705.D

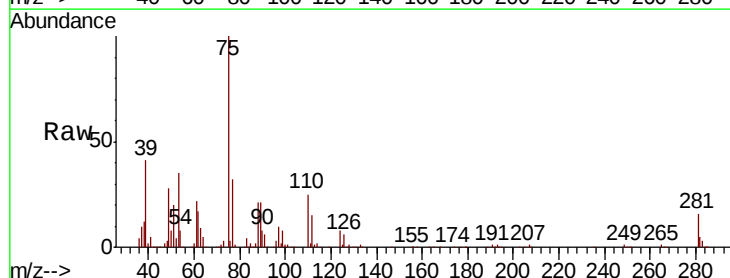
Acq: 21 Aug 2019 11:25

Tgt Ion: 75 Resp: 397088

Ion Ratio Lower Upper

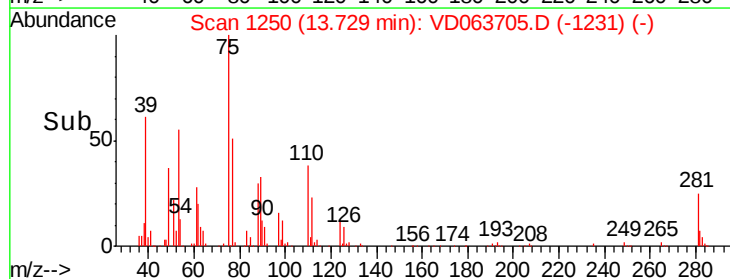
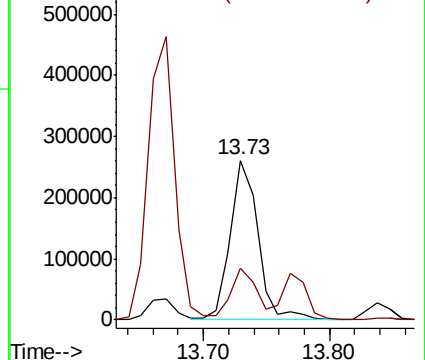
75 100

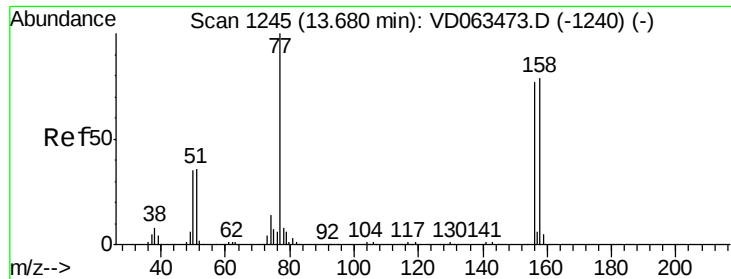
77 32.5 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 46.933 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

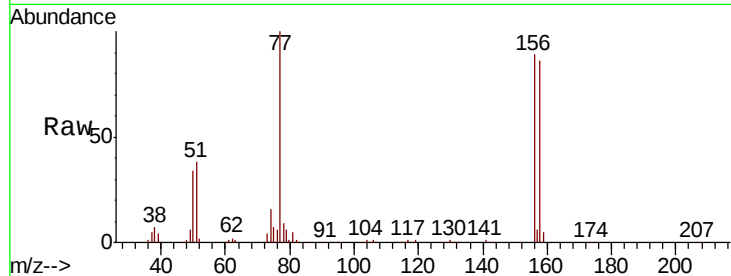
Tgt Ion:156 Resp: 546312

Ion Ratio Lower Upper

156 100

77 112.2 64.6 193.8

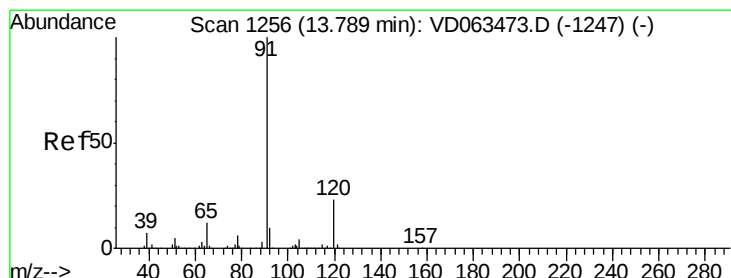
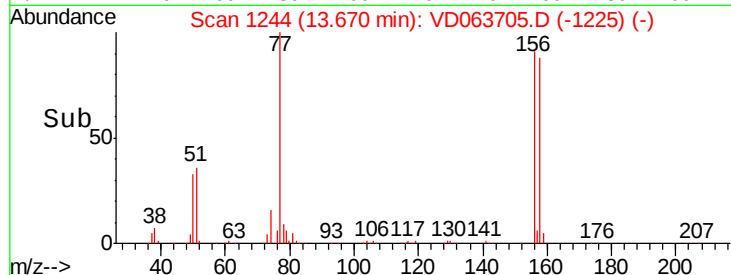
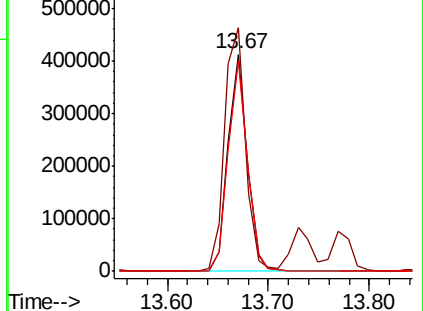
158 96.8 50.9 152.7



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: 48.015 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063705.D

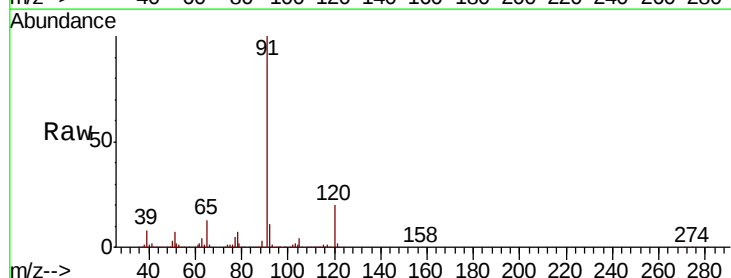
Acq: 21 Aug 2019 11:25

Tgt Ion: 91 Resp: 2392726

Ion Ratio Lower Upper

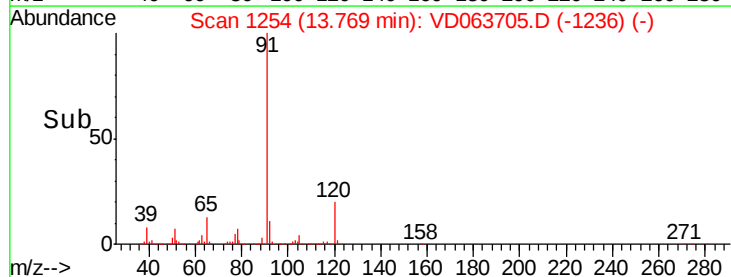
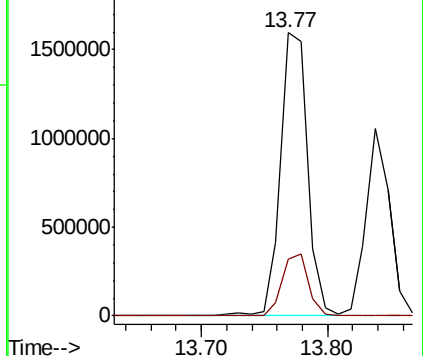
91 100

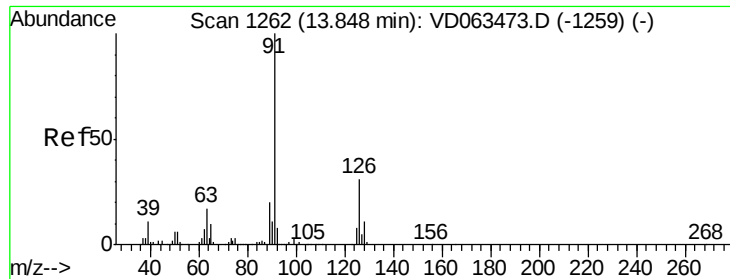
120 20.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

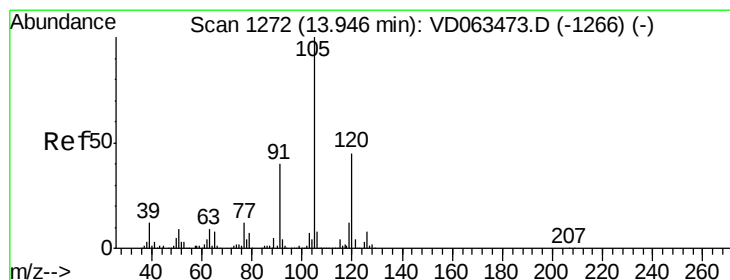
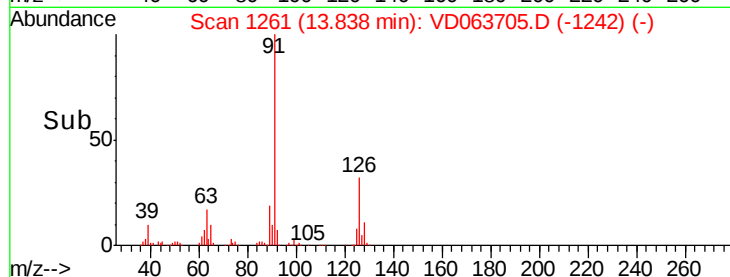
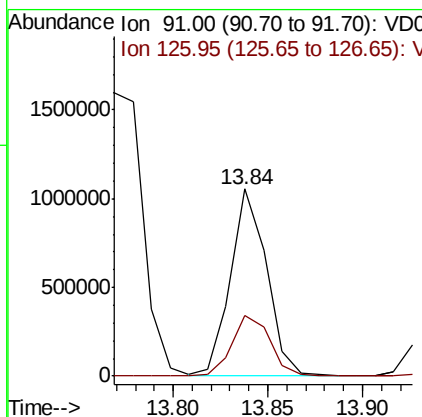
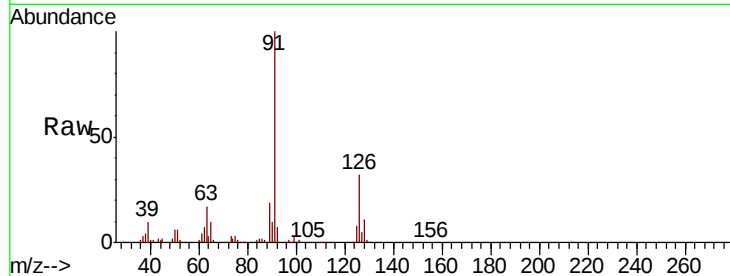




#79
 2-Chlorotoluene
 Concen: 48.627 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

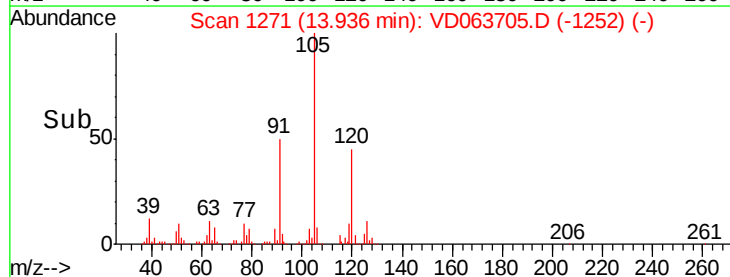
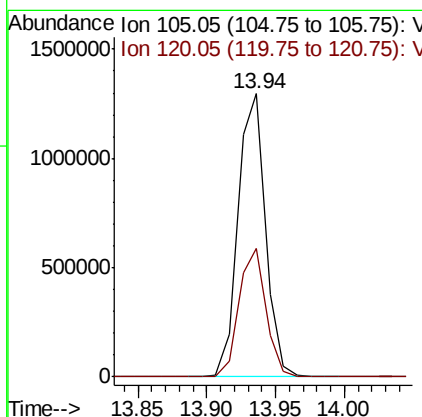
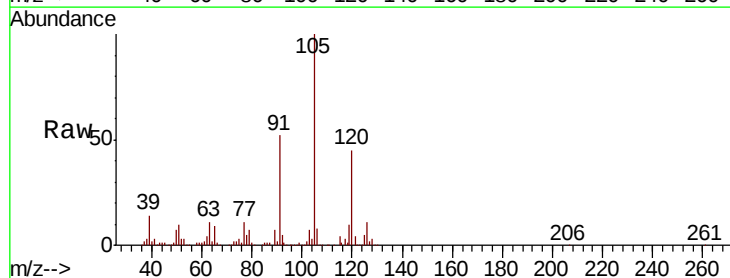
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

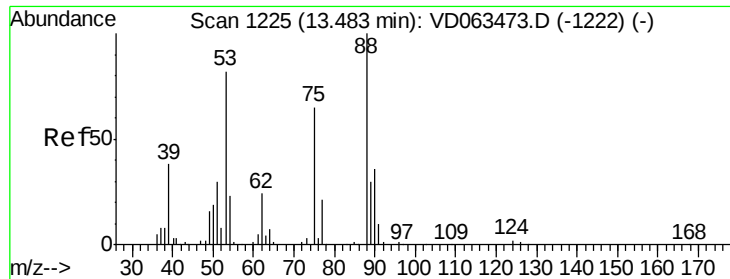
Tgt Ion: 91 Resp: 1397160
 Ion Ratio Lower Upper
 91 100
 126 32.3 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 48.302 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion: 105 Resp: 1797454
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.357 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

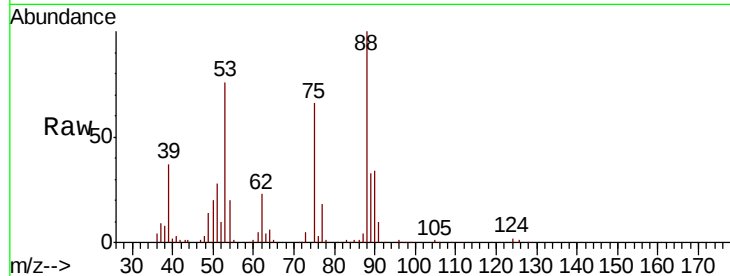
Tgt Ion: 75 Resp: 110208

Ion Ratio Lower Upper

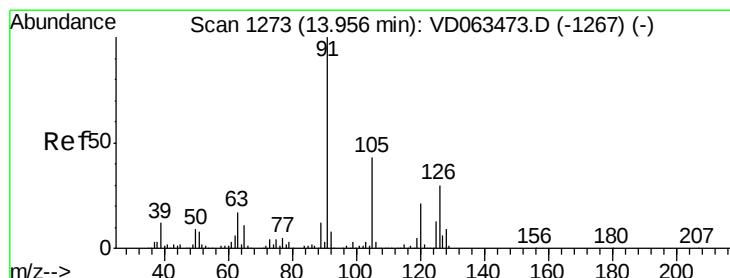
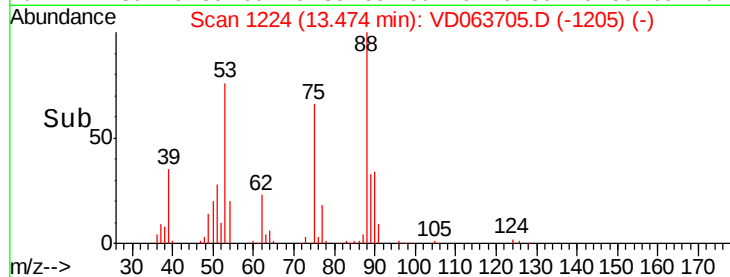
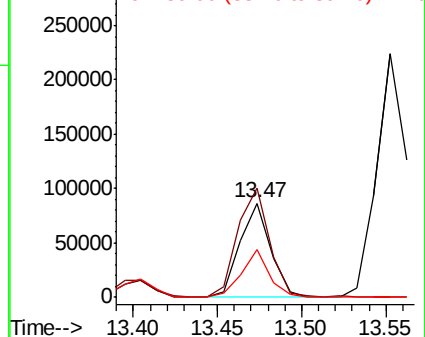
75 100

53 115.2 101.0 151.4

89 50.1 37.0 55.6



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



#82

4-Chlorotoluene

Concen: 49.319 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063705.D

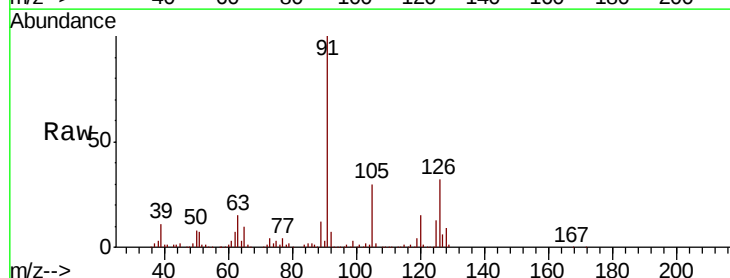
Acq: 21 Aug 2019 11:25

Tgt Ion: 91 Resp: 1704002

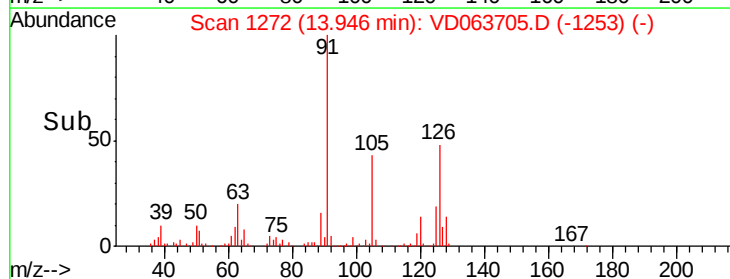
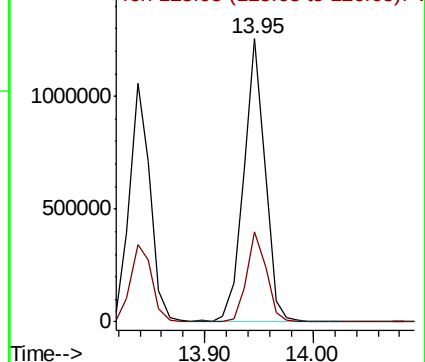
Ion Ratio Lower Upper

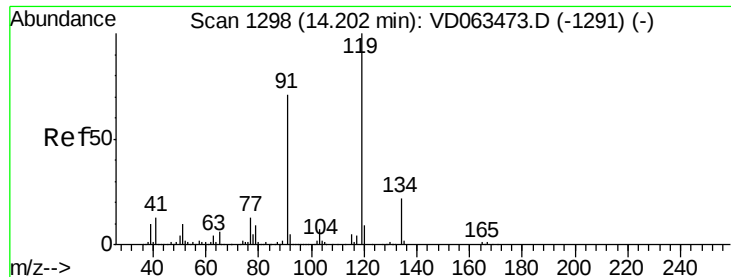
91 100

126 31.8 15.2 45.6



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

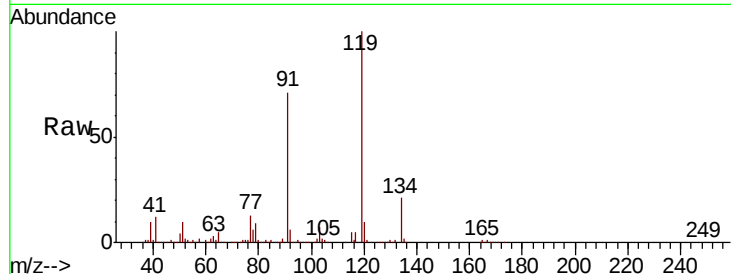




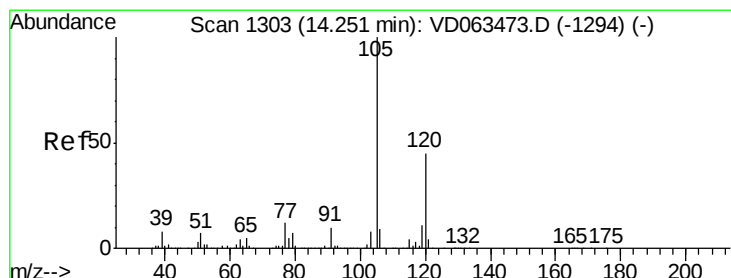
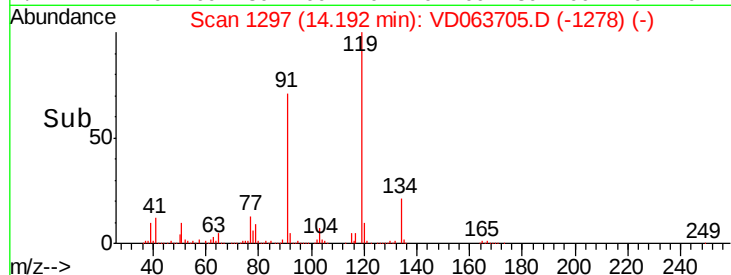
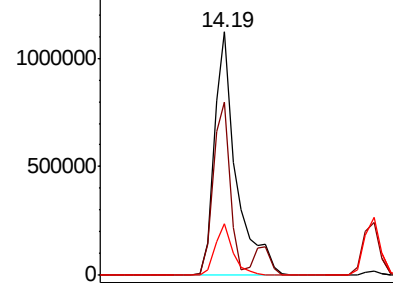
#83
 tert-Butylbenzene
 Concen: 51.261 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 2008749
 Ion Ratio Lower Upper
 119 100
 91 71.2 35.5 106.7
 134 21.3 11.1 33.1

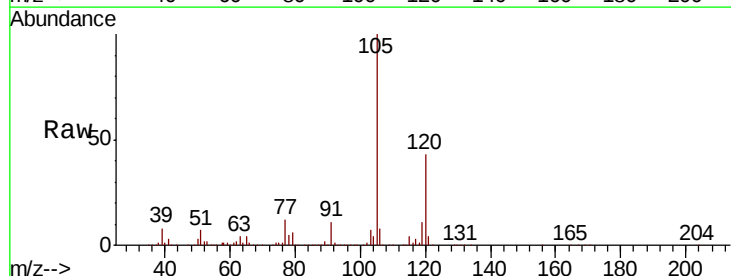


Abundance Ion 119.05 (118.75 to 119.75): V
 1500000 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

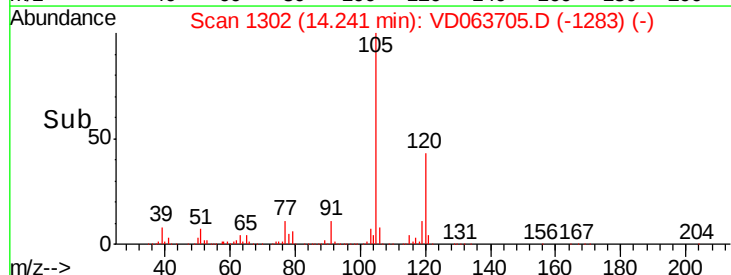
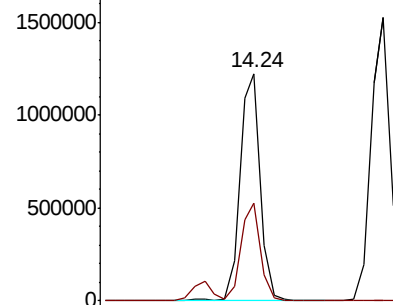


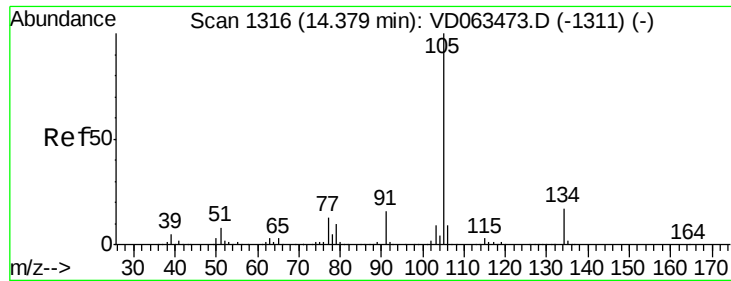
#84
 1,2,4-Trimethylbenzene
 Concen: 50.017 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:105 Resp: 1722171
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V
 1500000 Ion 120.05 (119.75 to 120.75): V

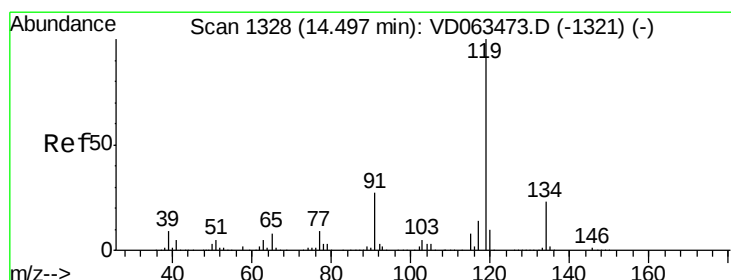
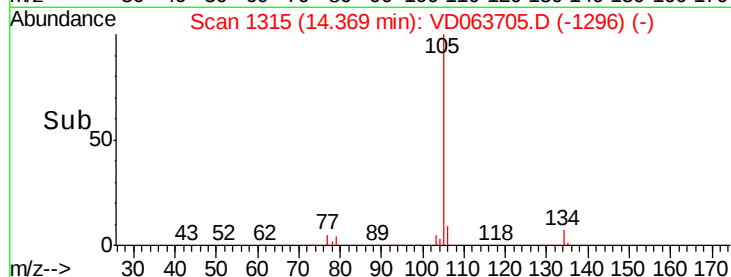
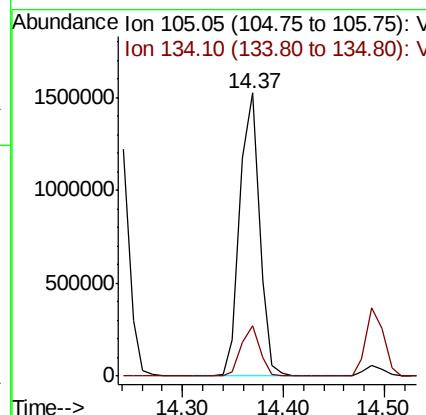
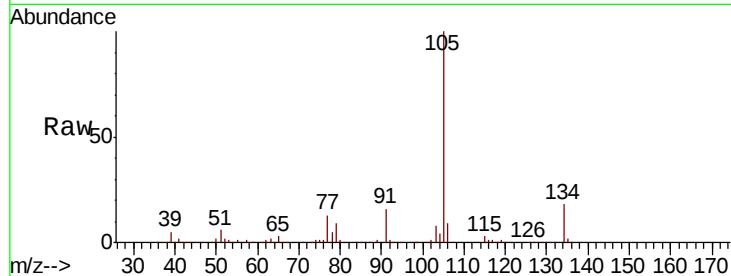




#85
 sec-Butylbenzene
 Concen: 49.488 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

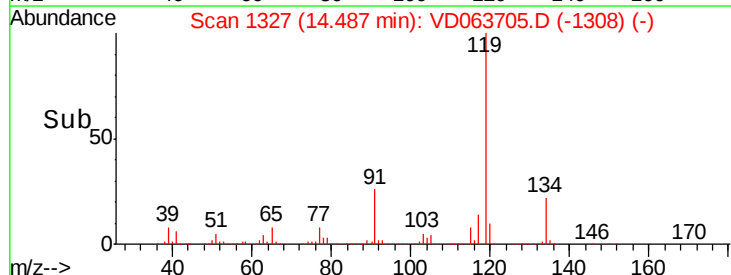
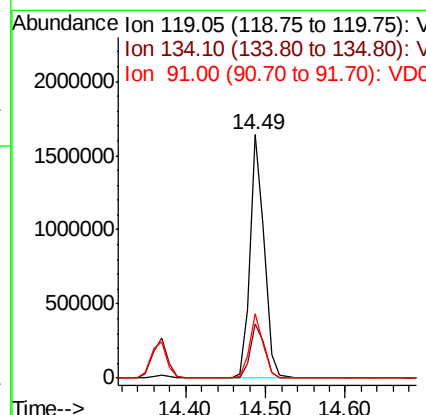
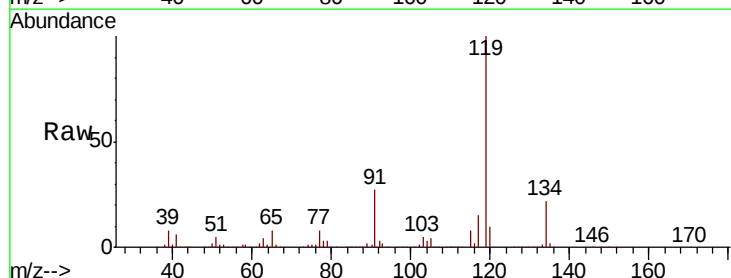
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

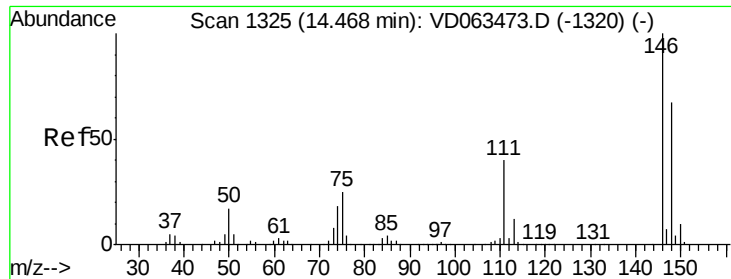
Tgt Ion:105 Resp: 2059479
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 49.951 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:119 Resp: 1987562
 Ion Ratio Lower Upper
 119 100
 134 22.2 11.3 33.8
 91 26.6 13.5 40.4

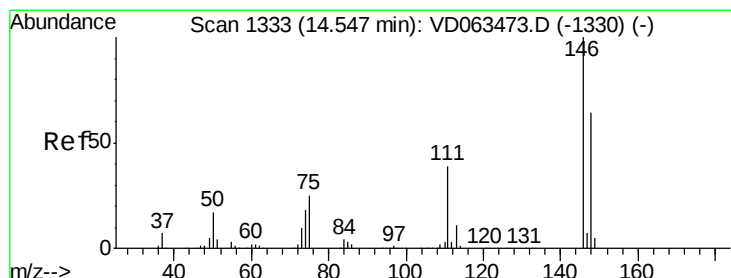
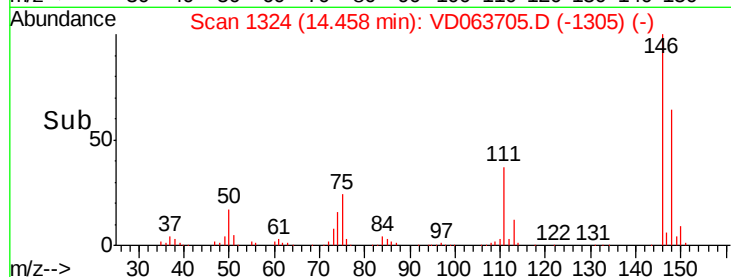
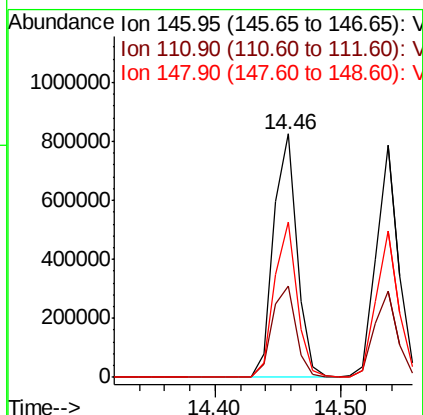
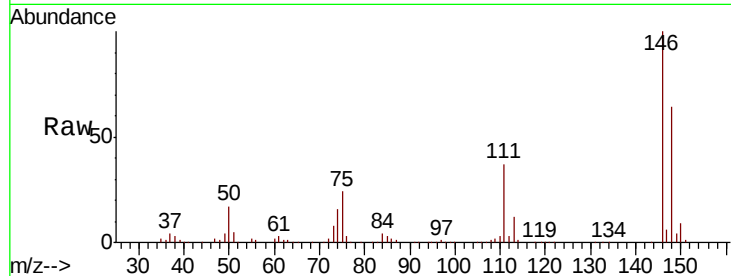




#87
 1,3-Dichlorobenzene
 Concen: 50.671 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

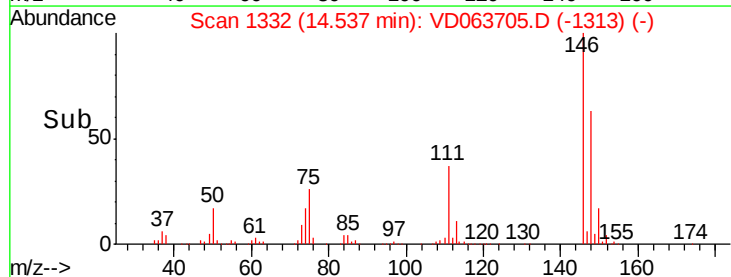
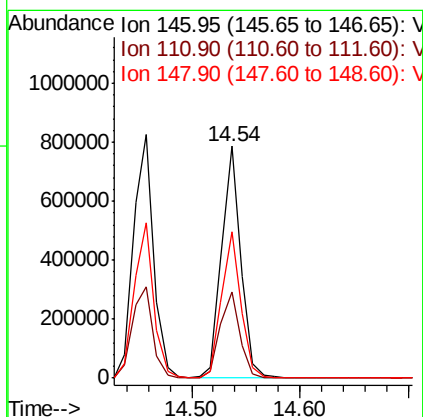
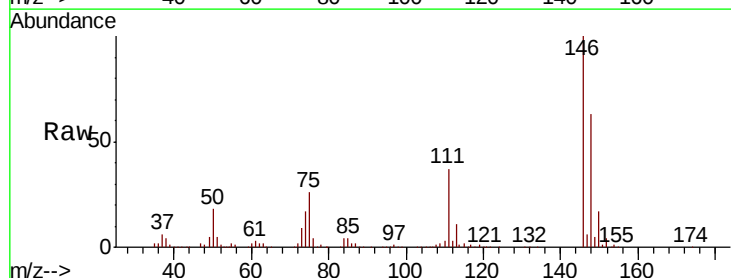
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

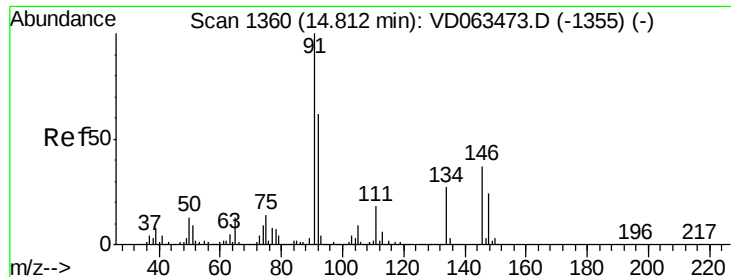
Tgt Ion:146 Resp: 1066876
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.0 60.0
 148 63.7 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 48.033 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:146 Resp: 970299
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.7 59.0
 148 63.2 32.1 96.3





#89

n-Butylbenzene

Concen: 48.340 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

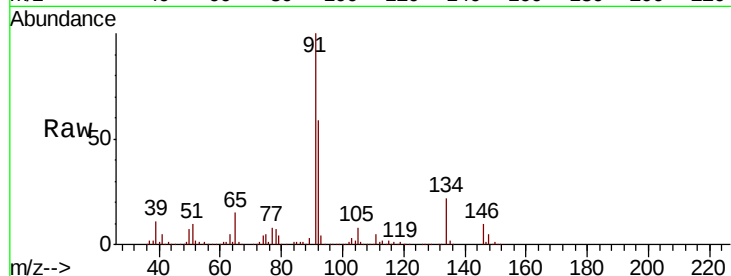
Tgt Ion: 91 Resp: 1755506

Ion Ratio Lower Upper

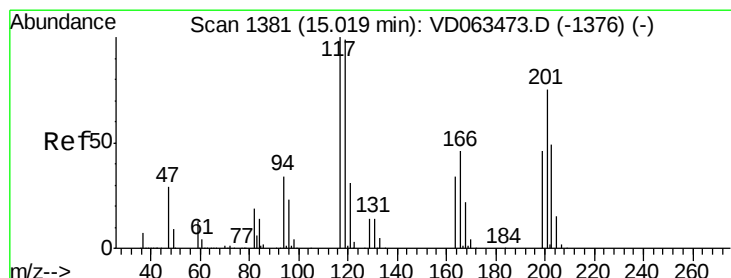
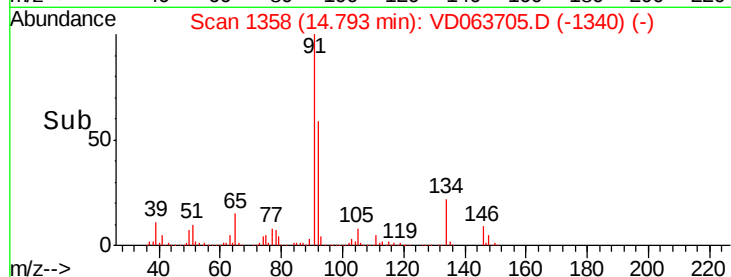
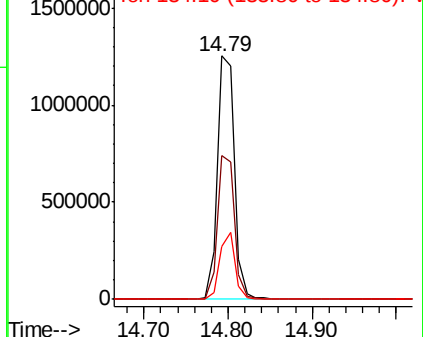
91 100

92 59.0 30.8 92.3

134 21.8 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: 50.595 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063705.D

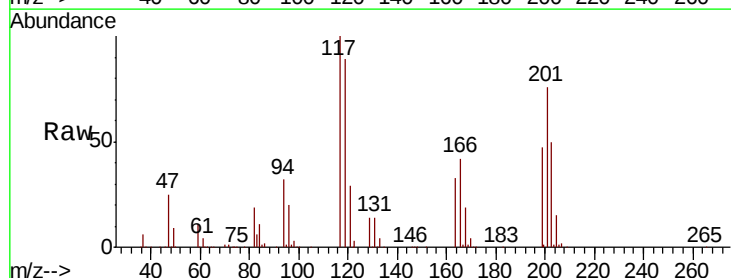
Acq: 21 Aug 2019 11:25

Tgt Ion: 117 Resp: 506012

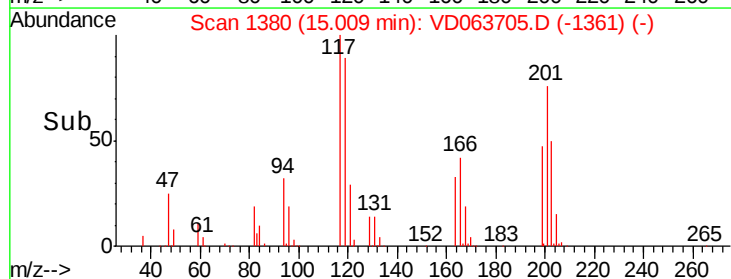
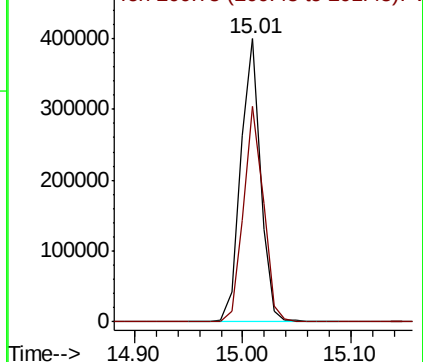
Ion Ratio Lower Upper

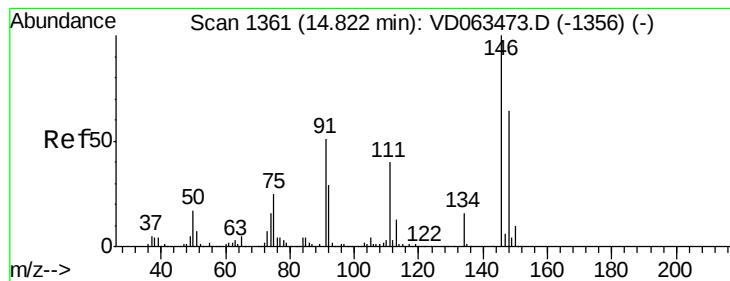
117 100

201 76.3 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: 47.748 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

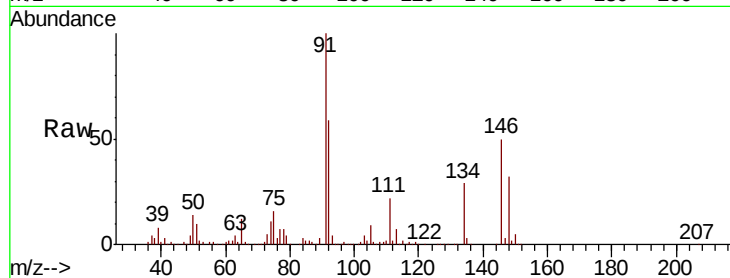
Tgt Ion:146 Resp: 852944

Ion Ratio Lower Upper

146 100

111 45.0 20.2 60.6

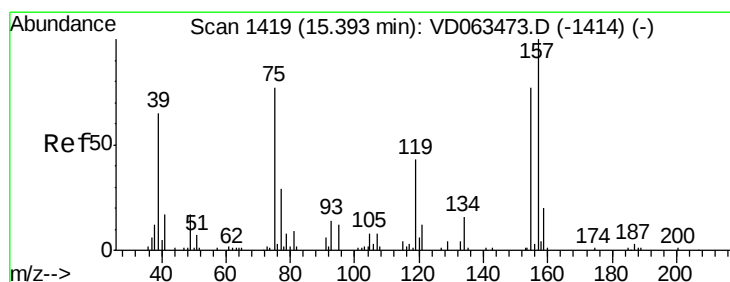
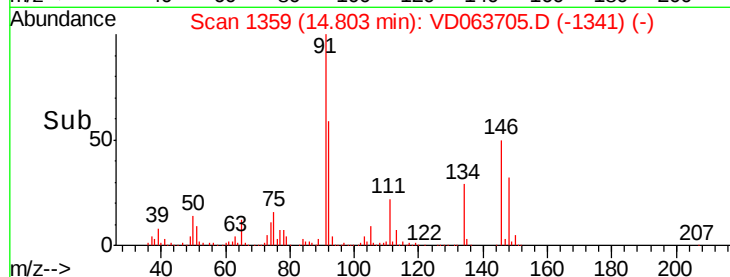
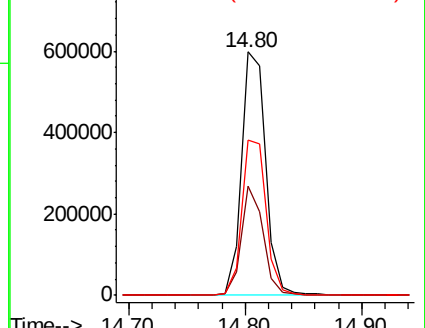
148 63.9 32.1 96.5



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: 52.469 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VD063705.D

Acq: 21 Aug 2019 11:25

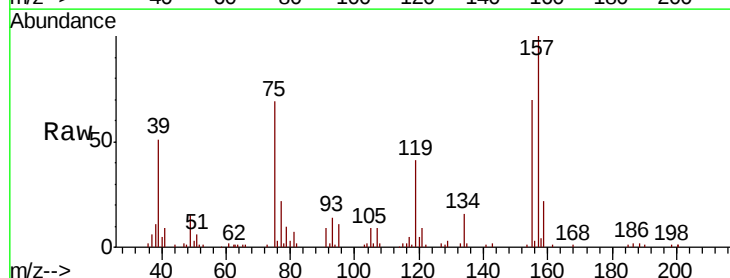
Tgt Ion: 75 Resp: 69841

Ion Ratio Lower Upper

75 100

155 101.4 50.1 150.3

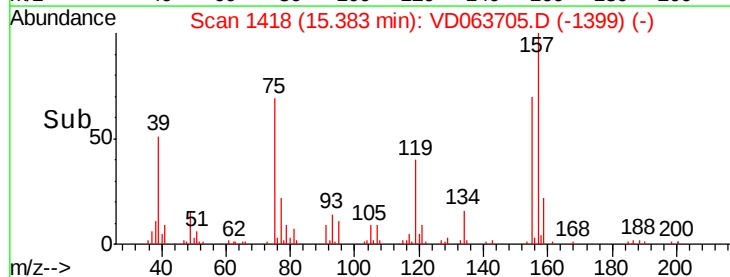
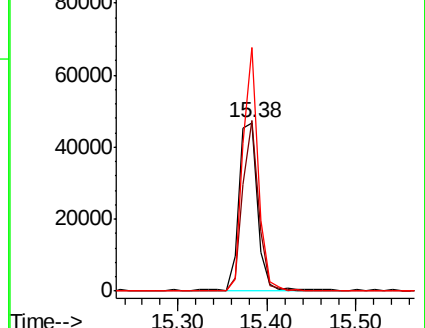
157 144.4 65.0 195.1

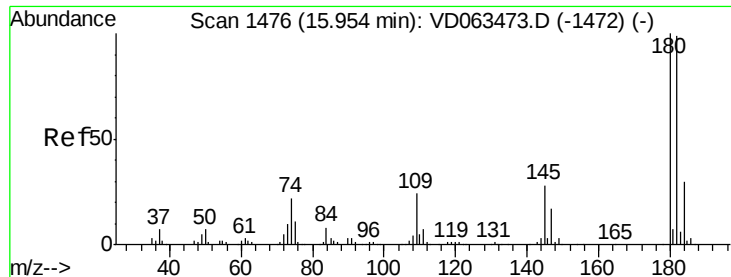


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

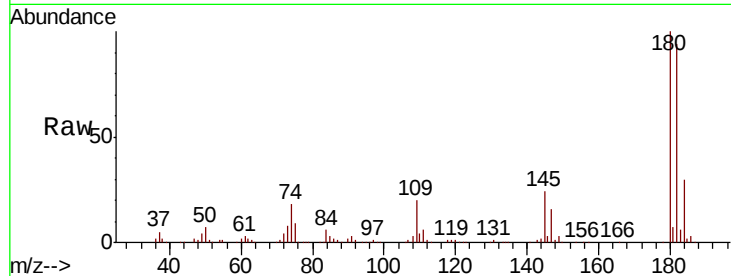




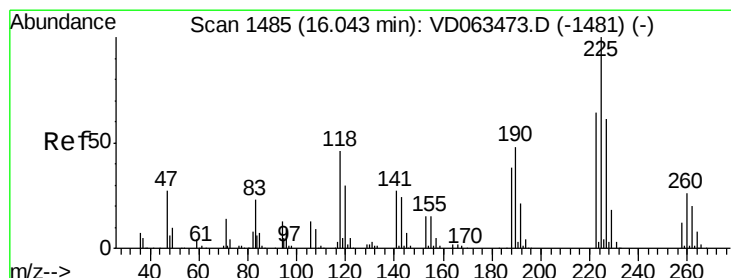
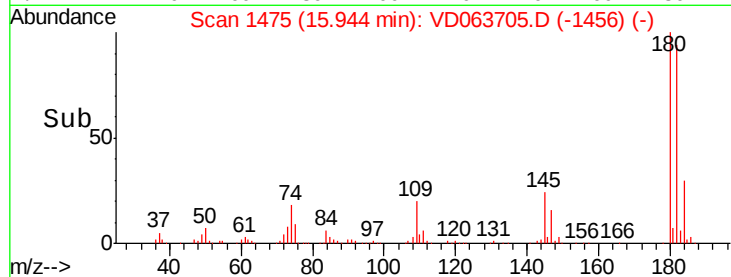
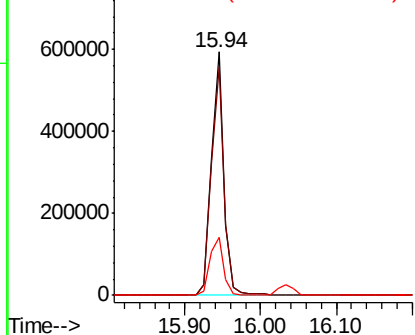
#93
 1,2,4-Trichlorobenzene
 Concen: 52.673 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 692364
 Ion Ratio Lower Upper
 180 100
 182 93.9 49.7 149.1
 145 24.1 14.1 42.2

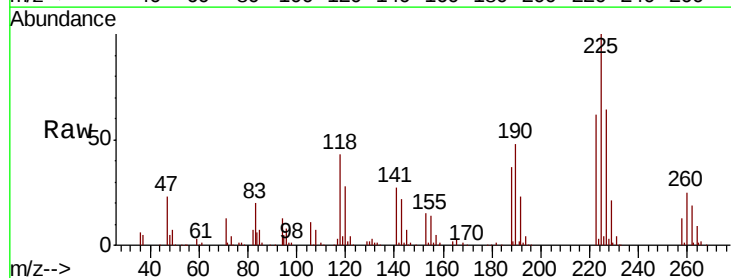


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

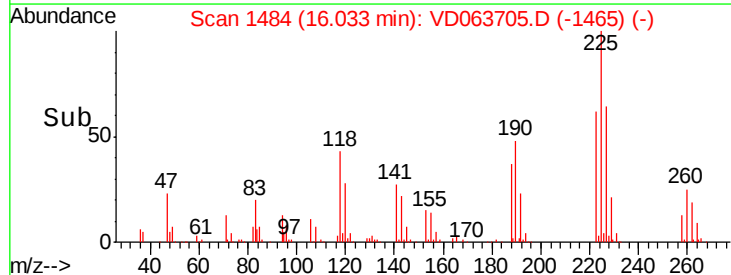
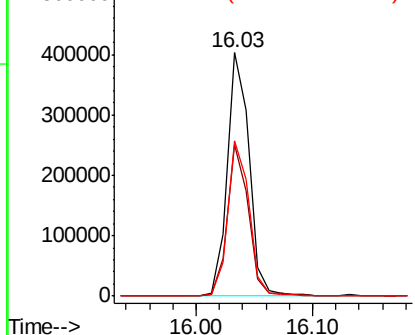


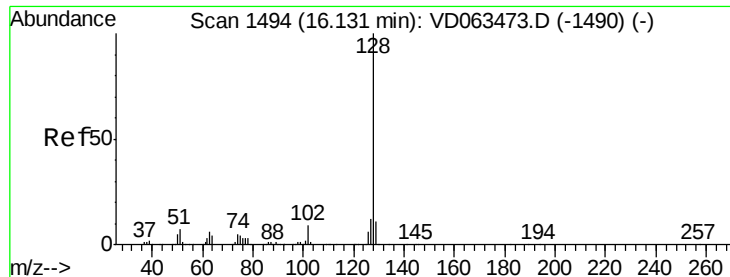
#94
 Hexachlorobutadiene
 Concen: 52.435 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063705.D
 Acq: 21 Aug 2019 11:25

Tgt Ion:225 Resp: 525283
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.9 95.5
 227 63.8 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

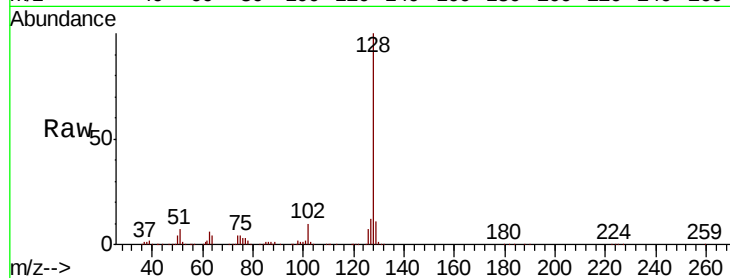




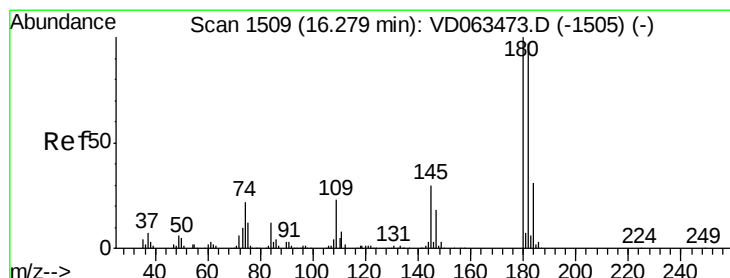
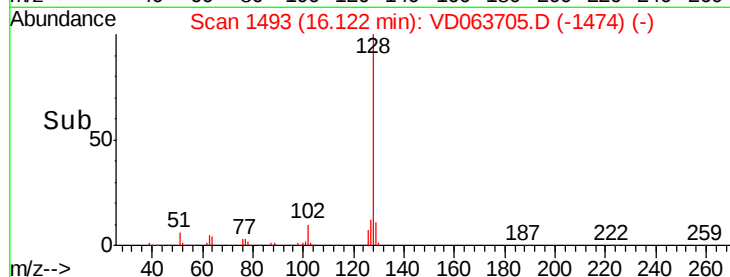
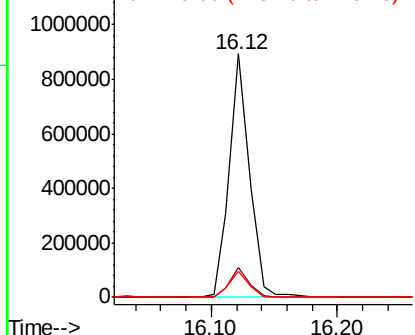
#95
Naphthalene
Concen: 49.726 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.4	14.0
129	10.7	8.5	12.7

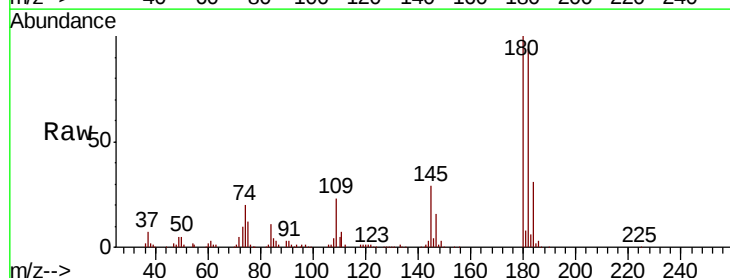


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.923 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063705.D
Acq: 21 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.2
145	29.3	14.9	44.9



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

