

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063624.D
 Acq On : 15 Aug 2019 23:45
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 16 00:59:13 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	859135	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1277002	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1079556	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	610410	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	535669	58.33	ug/l	-0.03
Spiked Amount			Recovery	=	116.66%	
35) Dibromofluoromethane	6.91	113	572078	53.19	ug/l	-0.03
Spiked Amount			Recovery	=	106.38%	
50) Toluene-d8	10.40	98	1274147	53.89	ug/l	-0.02
Spiked Amount			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	13.54	95	500672	46.72	ug/l	-0.02
Spiked Amount			Recovery	=	93.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	536561	51.622	ug/l	94
3) Chloromethane	1.74	50	411154	50.629	ug/l	96
4) Vinyl Chloride	1.84	62	406255	50.393	ug/l	91
5) Bromomethane	2.14	94	224388	58.988	ug/l	96
6) Chloroethane	2.26	64	210013	56.966	ug/l	93
7) Trichlorofluoromethane	2.53	101	871470	55.110	ug/l	98
8) Diethyl Ether	2.86	74	128251	57.443	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	481785	51.598	ug/l	97
10) Methyl Iodide	3.30	142	682670	51.673	ug/l #	96
11) Tert butyl alcohol	4.07	59	112967	282.576	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	370941	53.433	ug/l	89
13) Acrolein	3.03	56	110374	280.489	ug/l	89
14) Allyl chloride	3.61	41	550039	52.706	ug/l	95
15) Acrylonitrile	4.19	53	295521	279.080	ug/l	96
16) Acetone	3.21	43	475378	254.645	ug/l	99
17) Carbon Disulfide	3.36	76	1076045	49.113	ug/l	100
18) Methyl Acetate	3.63	43	195703	55.346	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	841795	60.632	ug/l	99
20) Methylene Chloride	3.81	84	397349	49.223	ug/l #	92
21) trans-1,2-Dichloroethene	4.20	96	396052	54.214	ug/l	96
22) Diisopropyl ether	5.12	45	1156930	53.723	ug/l	96
23) Vinyl Acetate	5.05	43	3573270	285.415	ug/l	99
24) 1,1-Dichloroethane	4.97	63	727662	54.479	ug/l	98
25) 2-Butanone	6.06	43	501555	272.031	ug/l	94
26) 2,2-Dichloropropane	6.01	77	725769	54.553	ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	438535	54.867	ug/l	91
28) Bromochloromethane	6.43	49	302919	55.958	ug/l	97
29) Tetrahydrofuran	6.45	42	240438	279.860	ug/l	95
30) Chloroform	6.65	83	946291	56.998	ug/l	94
31) Cyclohexane	6.94	56	394395	47.563	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	936264	58.953	ug/l	94
36) 1,1-Dichloropropene	7.14	75	606037	53.684	ug/l	95
37) Ethyl Acetate	6.18	43	266959	56.434	ug/l	98
38) Carbon Tetrachloride	7.11	117	967850	56.886	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	483049	50.321	ug/l	95
40) Benzene	7.44	78	1274402	51.298	ug/l	100
41) Methacrylonitrile	6.45	41	332801	55.875	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	716066	57.323	ug/l	99
43) Isopropyl Acetate	9.23	43	357643	56.450	ug/l #	95
44) Trichloroethene	8.53	130	483038	50.870	ug/l	97
45) 1,2-Dichloropropane	8.93	63	310516	53.673	ug/l	100
46) Dibromomethane	9.05	93	275073	55.676	ug/l	94
47) Bromodichloromethane	9.37	83	748797	59.086	ug/l	98
48) Methyl methacrylate	9.11	41	238846	55.589	ug/l	97
49) 1,4-Dioxane	9.07	88	40010	1041.729	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	1252555	288.923	ug/l	97
52) Toluene	10.50	92	846422	52.897	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	596358	57.661	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	652837	55.980	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	301763	55.829	ug/l	96
56) Ethyl methacrylate	11.03	69	329422	56.151	ug/l	96
57) 1,3-Dichloropropane	11.40	76	471260	57.679	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	826092	266.718	ug/l	100
59) 2-Hexanone	11.53	43	912718	289.343	ug/l	96
60) Dibromochloromethane	11.67	129	563260	57.268	ug/l	98
61) 1,2-Dibromoethane	11.80	107	360722	55.128	ug/l	99
64) Tetrachloroethene	11.25	164	490666	58.876	ug/l	95
65) Chlorobenzene	12.39	112	1067397	52.754	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	481380	54.059	ug/l	94
67) Ethyl Benzene	12.52	91	1786278	50.774	ug/l	100
68) m/p-Xylenes	12.66	106	1307196	105.758	ug/l	92
69) o-Xylene	13.04	106	633692	53.268	ug/l	100
70) Styrene	13.06	104	1109117	52.414	ug/l	98
71) Bromoform	13.23	173	367316	60.158	ug/l	97
73) Isopropylbenzene	13.40	105	1893179	48.761	ug/l	98
74) N-amyl acetate	13.26	43	529057	54.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	367858	57.083	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	387327	55.289	ug/l	95
77) Bromobenzene	13.66	156	557290	52.519	ug/l	98
78) n-propylbenzene	13.77	91	2087568	45.954	ug/l	96
79) 2-Chlorotoluene	13.83	91	1338749	51.112	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1686129	49.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	97656	51.865	ug/l	98
82) 4-Chlorotoluene	13.94	91	1551861	49.271	ug/l	98
83) tert-Butylbenzene	14.18	119	1791151	50.141	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1596986	50.879	ug/l	95
85) sec-Butylbenzene	14.36	105	2019414	53.231	ug/l	99
86) p-Isopropyltoluene	14.49	119	1775840	48.958	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	937439	48.842	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	902951	49.034	ug/l	100
89) n-Butylbenzene	14.79	91	1652215	49.908	ug/l	97
90) Hexachloroethane	15.00	117	494748	54.266	ug/l	99
91) 1,2-Dichlorobenzene	14.80	146	829485	50.938	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	65066	53.622	ug/l	94

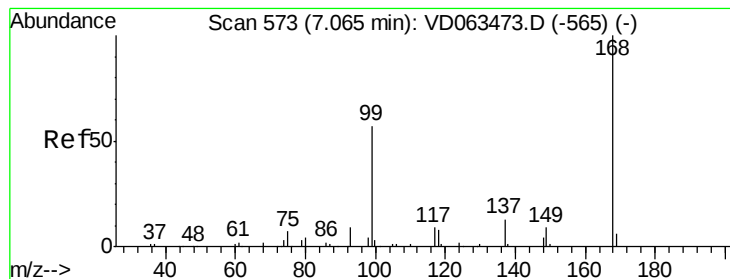
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	682132	56.928	ug/l	97
94) Hexachlorobutadiene	16.03	225	485797	53.196	ug/l	95
95) Naphthalene	16.11	128	937918	51.649	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	507660	52.455	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: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

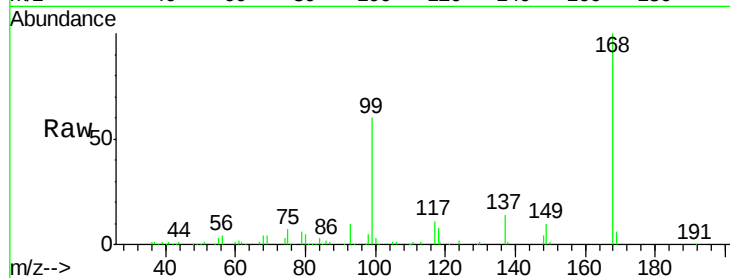
VSTDCCC050EC

Tot Ion:168 Resp: 859135

Ion Ratio Lower Upper

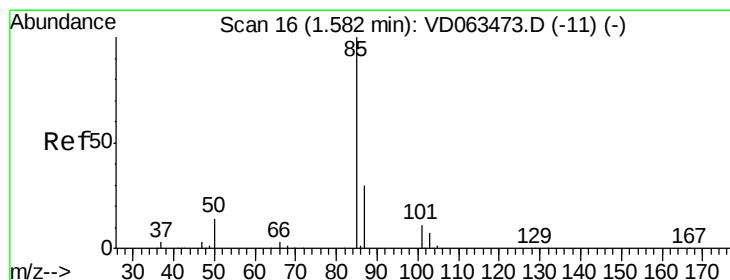
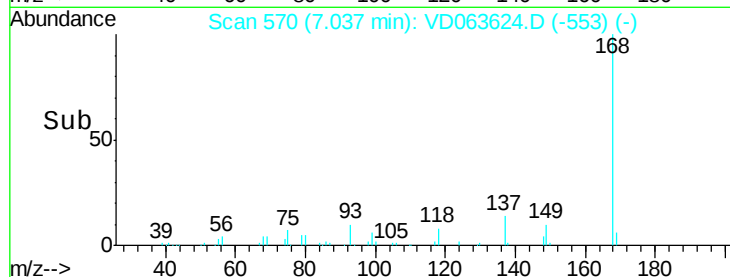
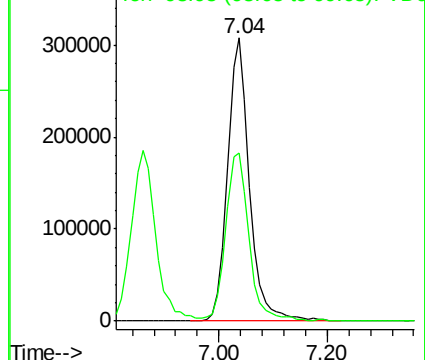
168 100

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



#2

Dichlorodifluoromethane

Concen: 51.622 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063624.D

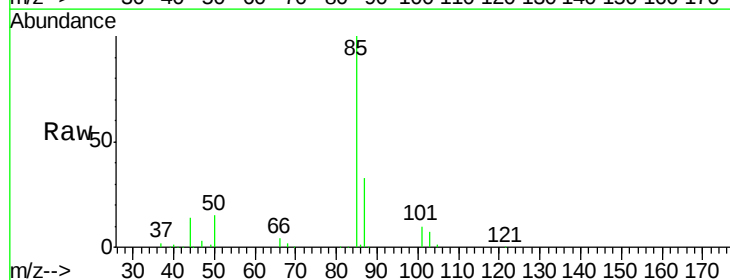
Acq: 15 Aug 2019 23:45

Tgt Ion: 85 Resp: 536561

Ion Ratio Lower Upper

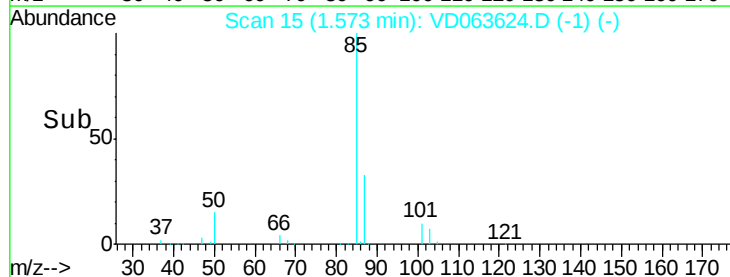
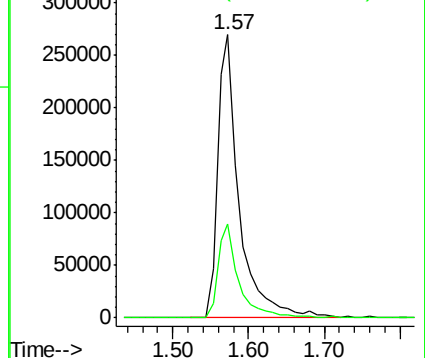
85 100

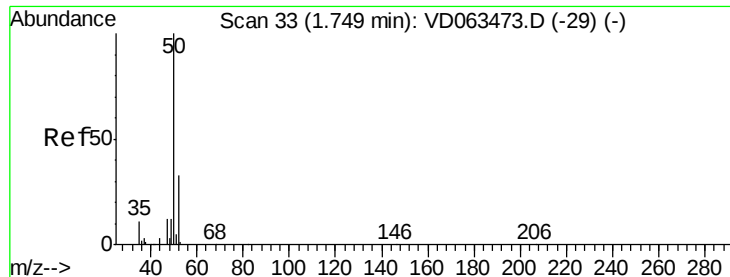
87 33.3 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.629 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

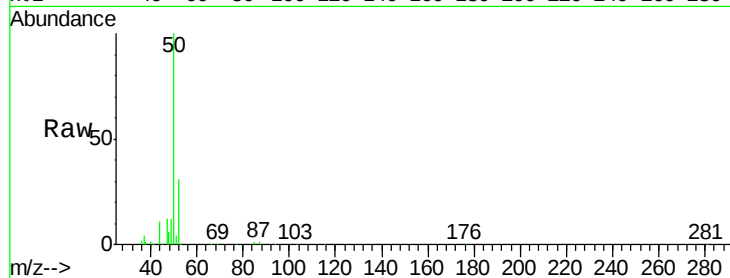
VSTDCCC050EC

Tot Ion: 50 Resp: 411154

Ion Ratio Lower Upper

50 100

52 30.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

150000

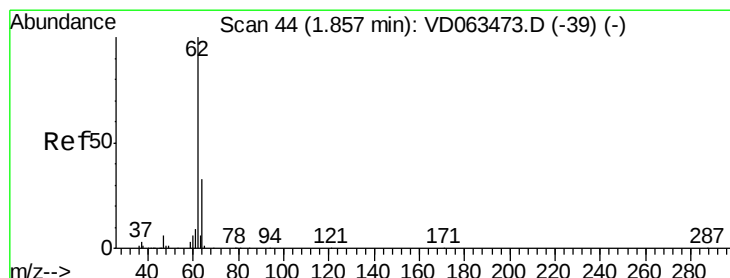
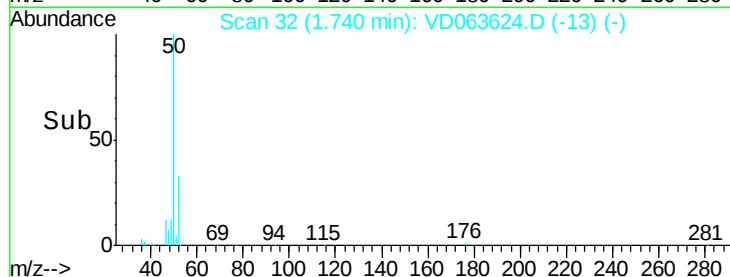
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 50.393 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD063624.D

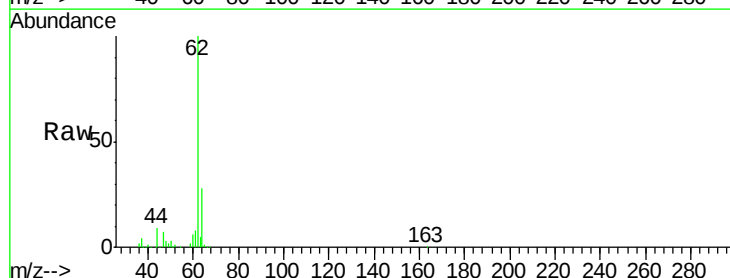
Acq: 15 Aug 2019 23:45

Tgt Ion: 62 Resp: 406255

Ion Ratio Lower Upper

62 100

64 28.1 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

200000

150000

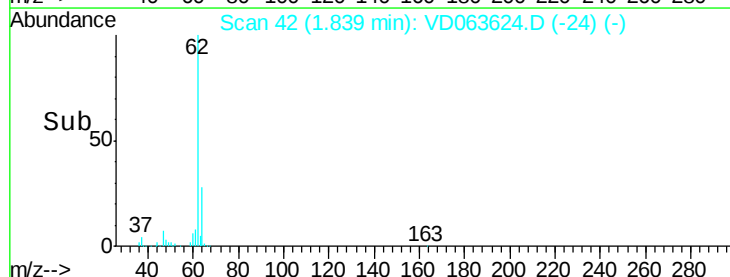
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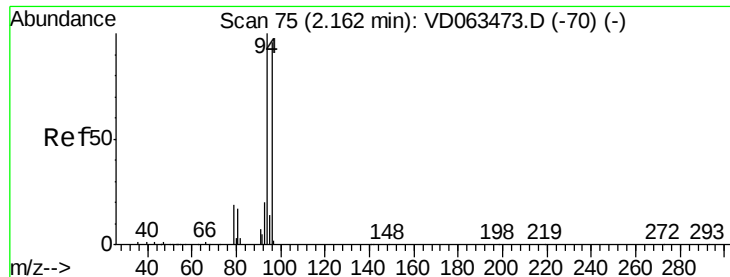
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 58.988 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

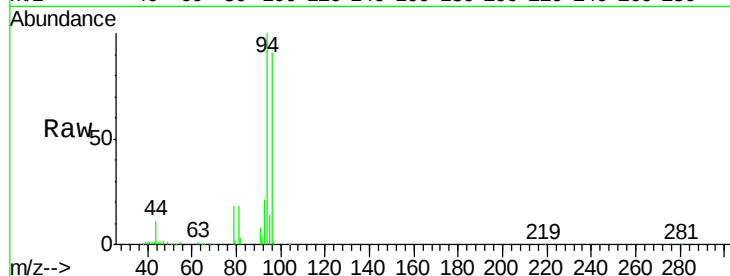
Tot Ion: 94 Resp: 224388

Ion Ratio Lower Upper

94 100

96 91.5 76.5 114.7

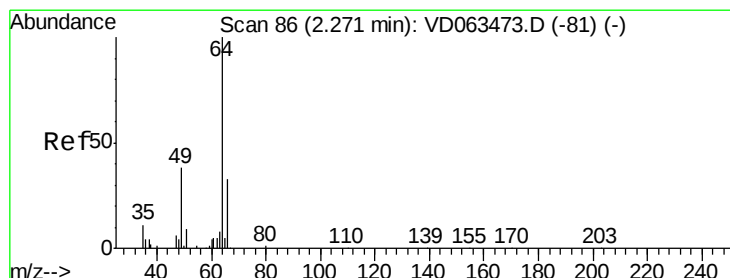
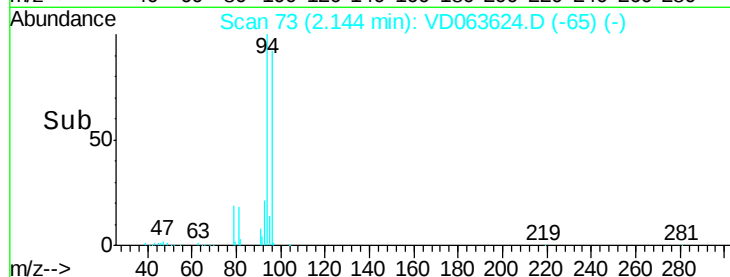
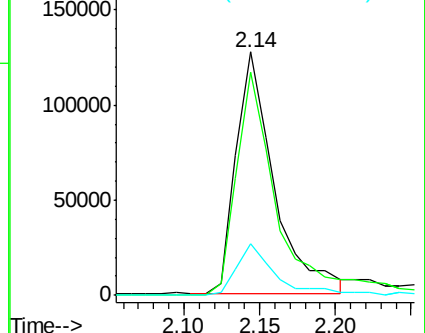
93 21.3 15.8 23.8



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: 56.966 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063624.D

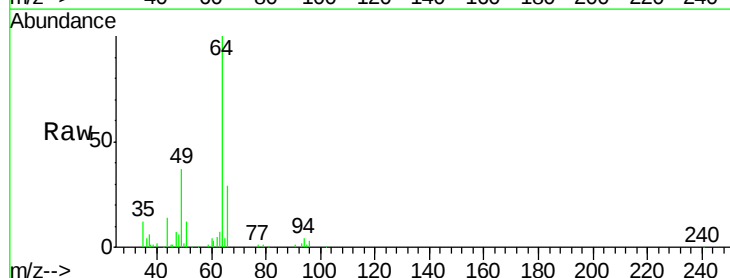
Acq: 15 Aug 2019 23:45

Tgt Ion: 64 Resp: 210013

Ion Ratio Lower Upper

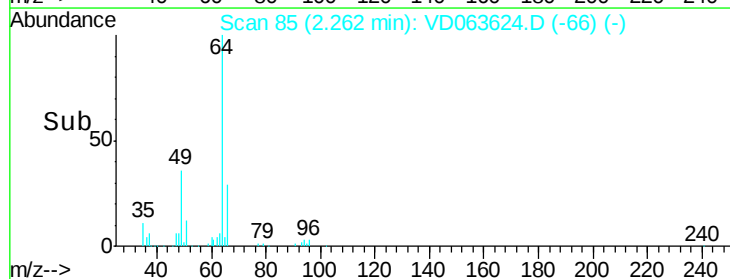
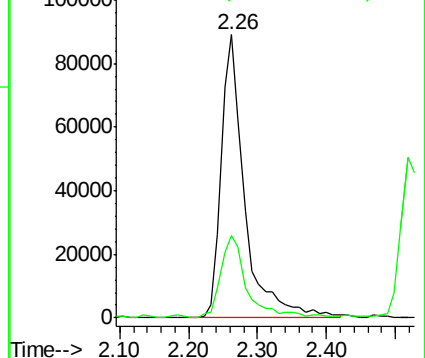
64 100

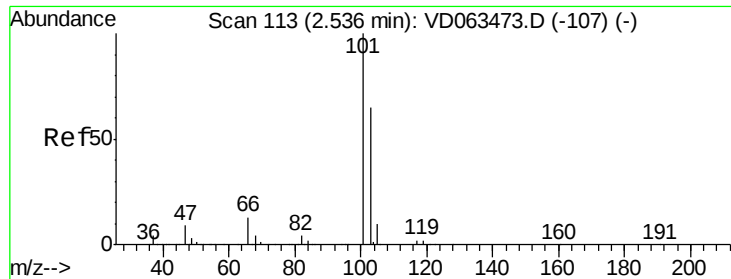
66 29.0 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



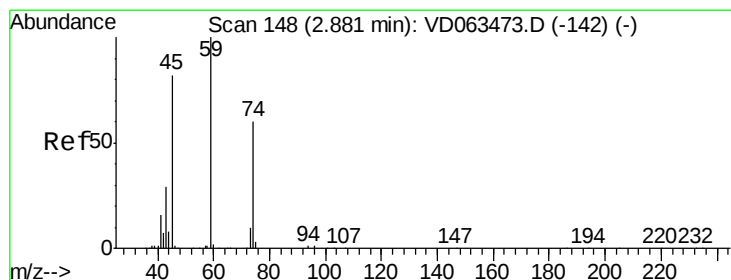
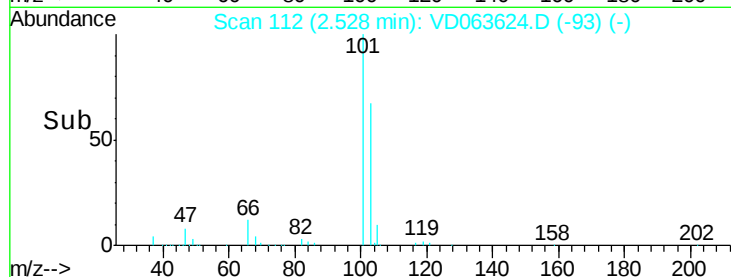
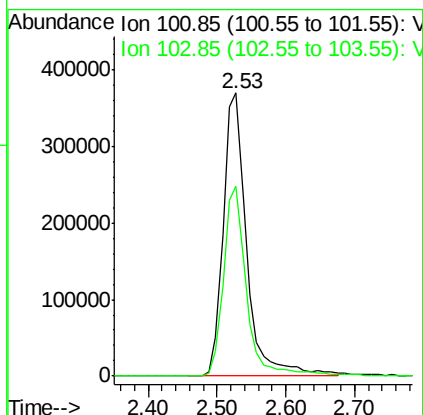
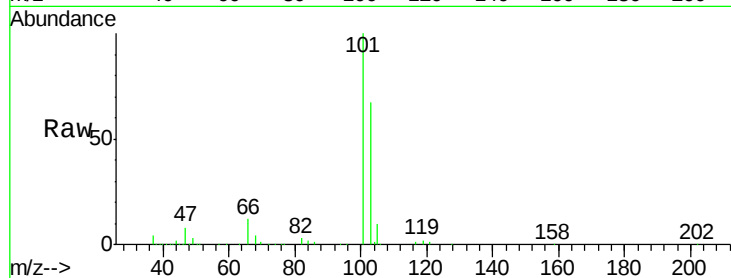


#7

Trichlorofluoromethane
Concen: 55.110 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

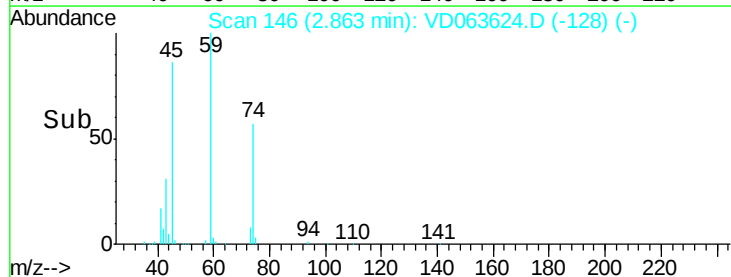
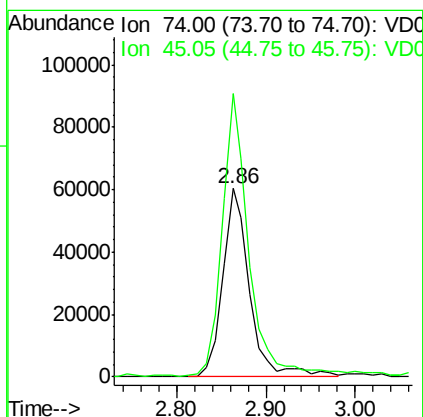
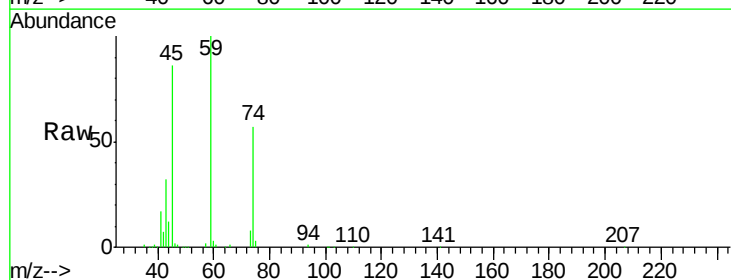
Tot Ion:101 Resp: 871470
Ion Ratio Lower Upper
101 100
103 67.0 52.2 78.4



#8

Diethyl Ether
Concen: 57.443 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 74 Resp: 128251
Ion Ratio Lower Upper
74 100
45 150.3 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.598 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

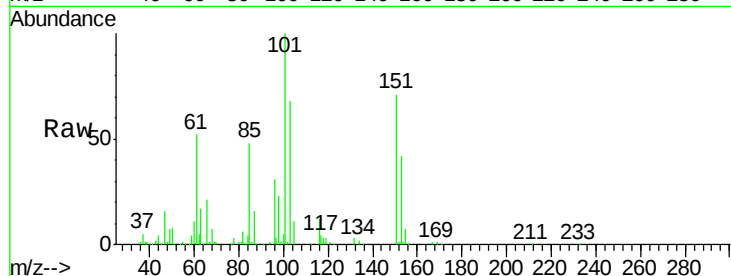
Tot Ion:101 Resp: 481785

Ion Ratio Lower Upper

101 100

85 47.6 35.8 53.6

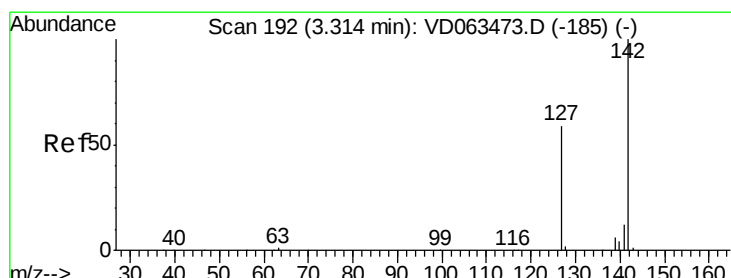
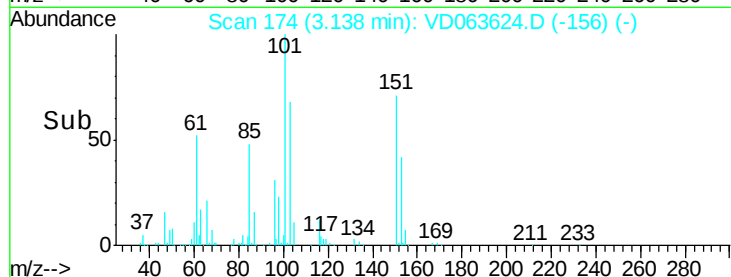
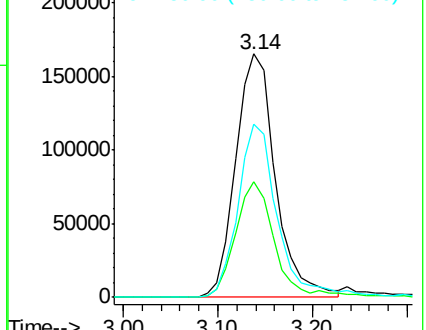
151 71.3 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.673 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

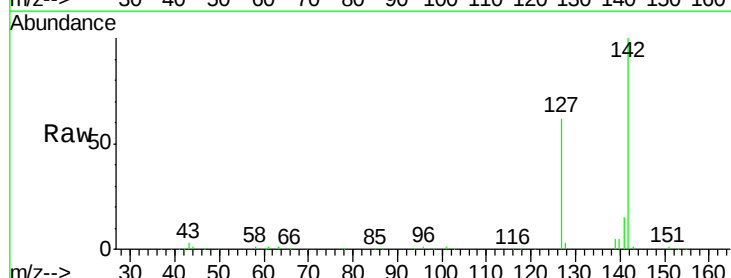
Tgt Ion:142 Resp: 682670

Ion Ratio Lower Upper

142 100

127 61.6 47.2 70.8

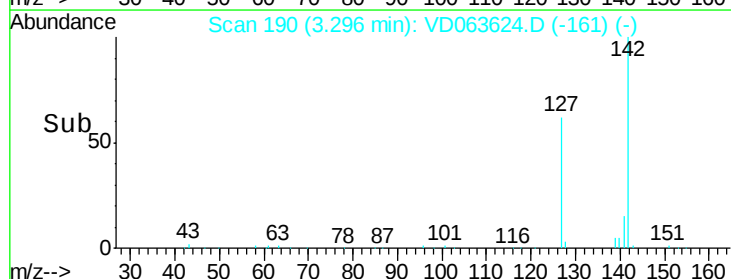
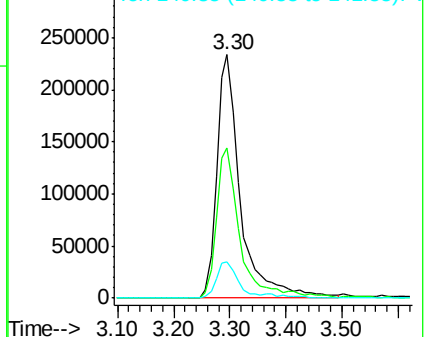
141 14.9 9.8 14.8#

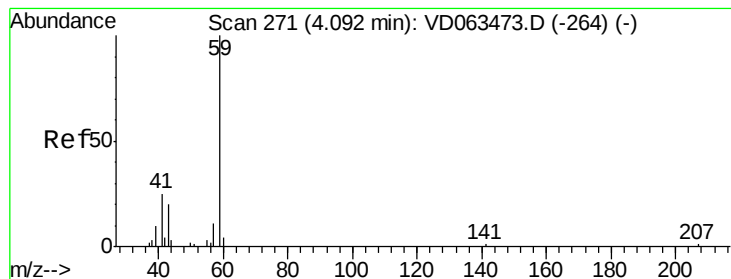


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



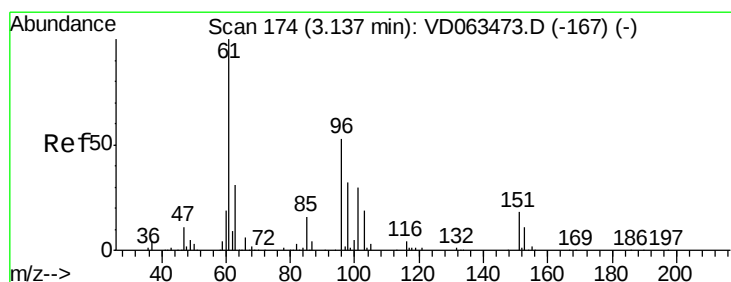
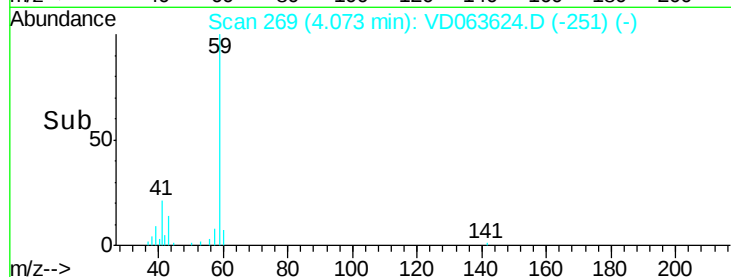
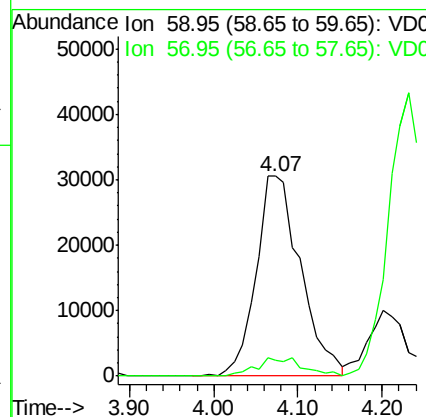
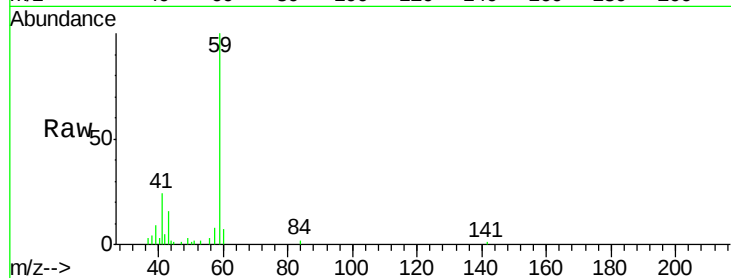


#11

Tert butyl alcohol
 Concen: 282.576 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

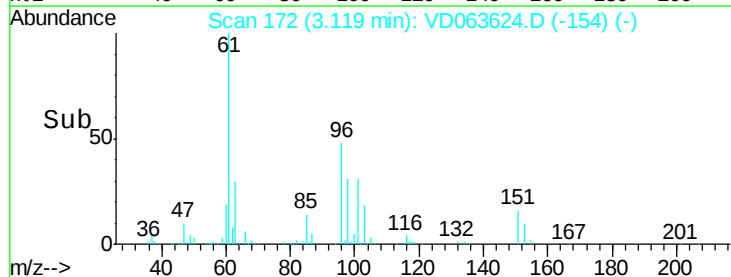
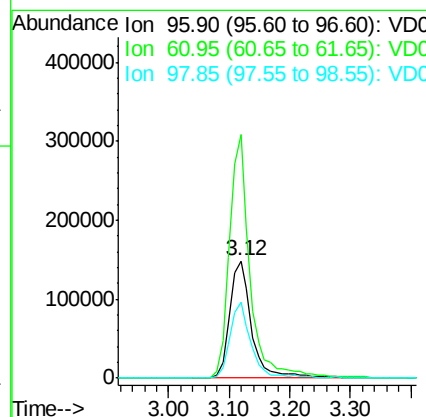
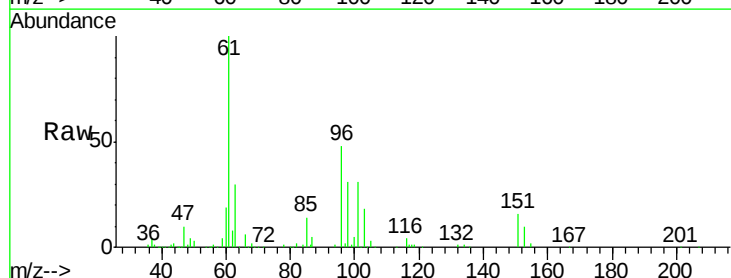
Tot Ion: 59 Resp: 112967
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.7 13.1#

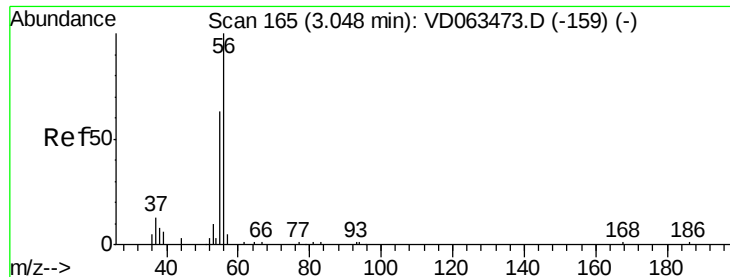


#12

1,1-Dichloroethene
 Concen: 53.433 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 96 Resp: 370941
 Ion Ratio Lower Upper
 96 100
 61 207.5 151.7 227.5
 98 65.2 48.4 72.6





#13

Acrolein

Concen: 280.489 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

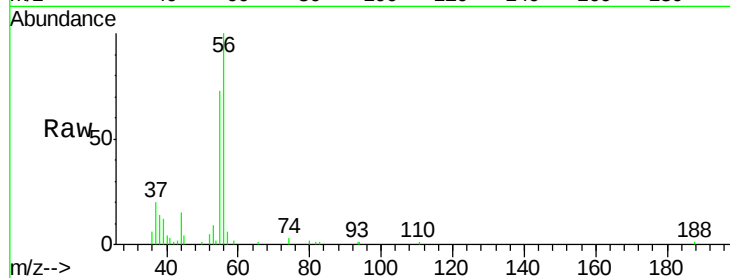
VSTDCCC050EC

Tot Ion: 56 Resp: 110374

Ion Ratio Lower Upper

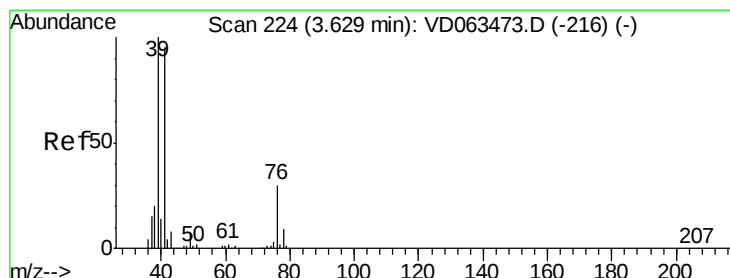
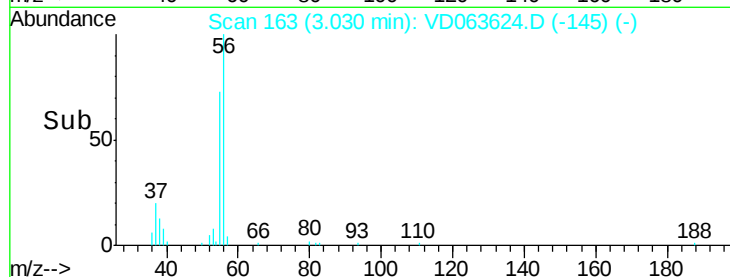
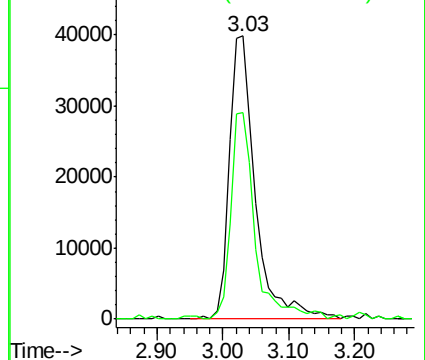
56 100

55 72.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.706 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

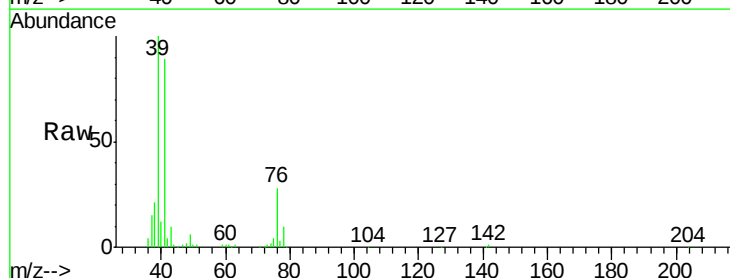
Tgt Ion: 41 Resp: 550039

Ion Ratio Lower Upper

41 100

39 112.0 84.2 126.4

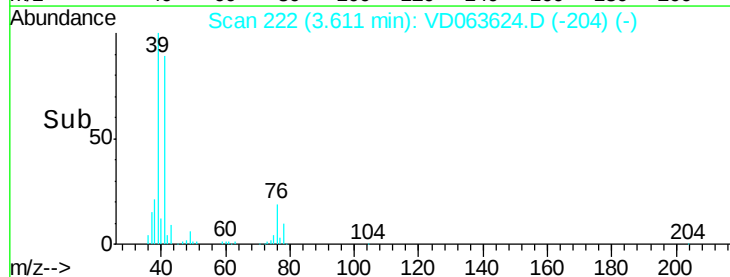
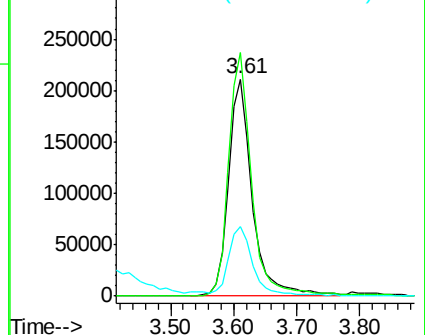
76 31.9 26.0 39.0

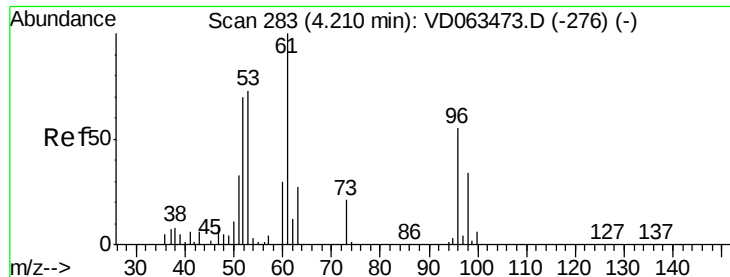


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 279.080 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

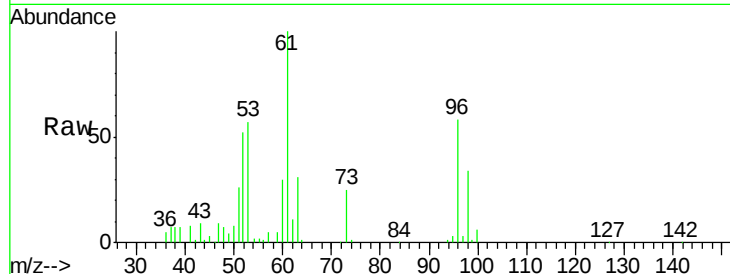
Tot Ion: 53 Resp: 295521

Ion Ratio Lower Upper

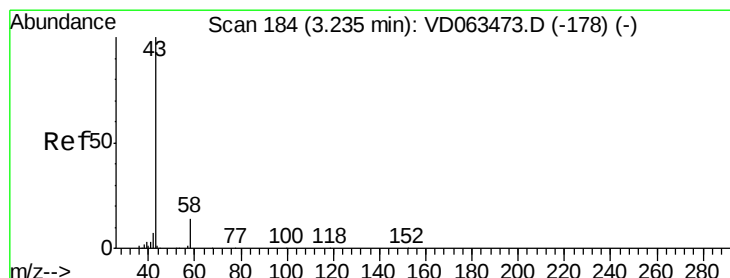
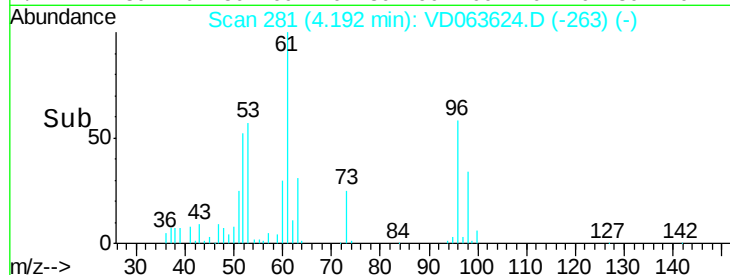
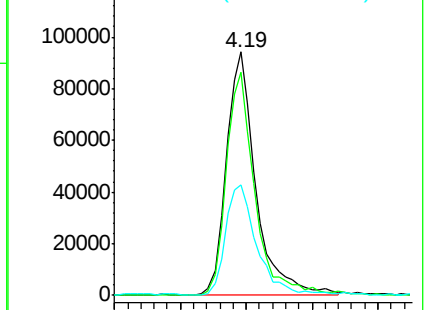
53 100

52 91.7 77.4 116.0

51 45.3 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 254.645 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063624.D

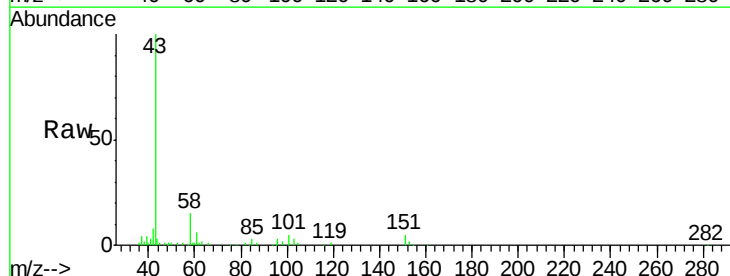
Acq: 15 Aug 2019 23:45

Tgt Ion: 43 Resp: 475378

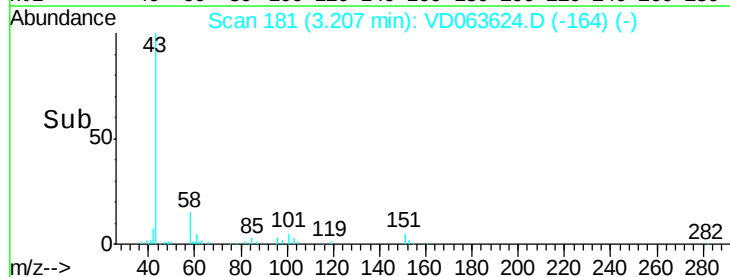
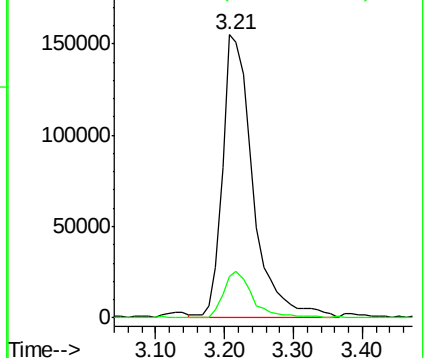
Ion Ratio Lower Upper

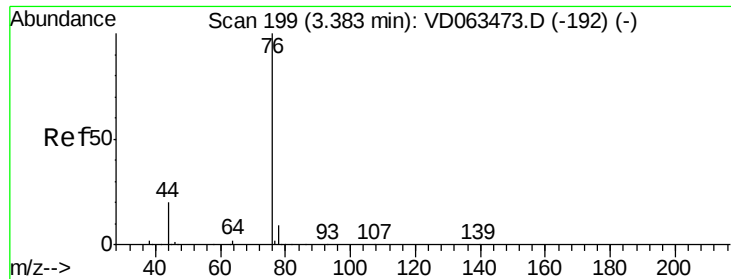
43 100

58 14.7 11.4 17.2



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

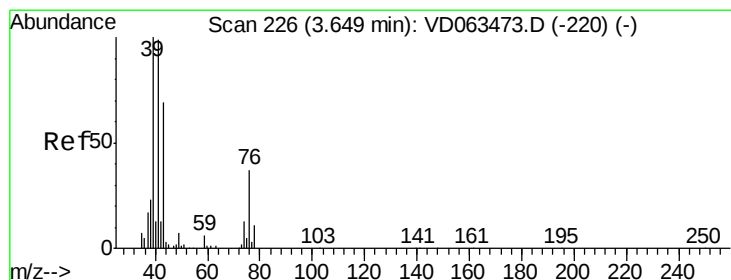
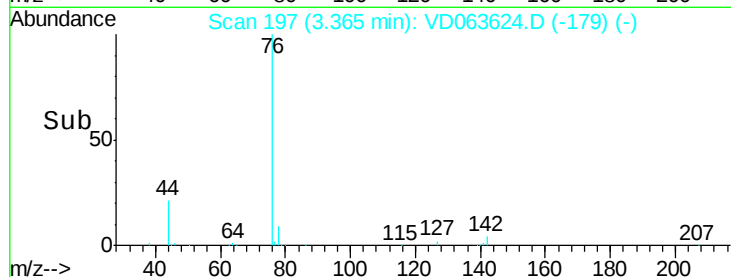
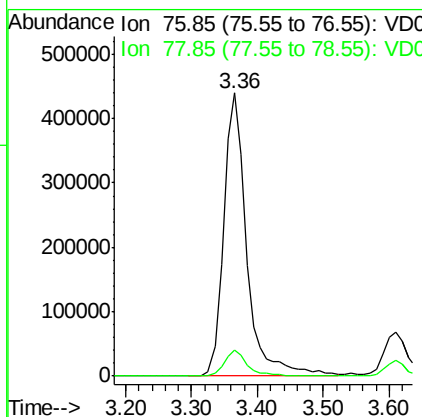
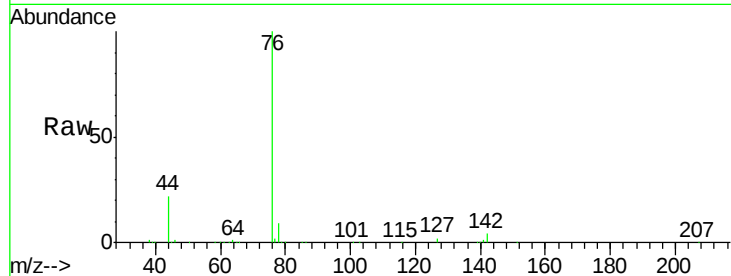




#17
Carbon Disulfide
Concen: 49.113 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

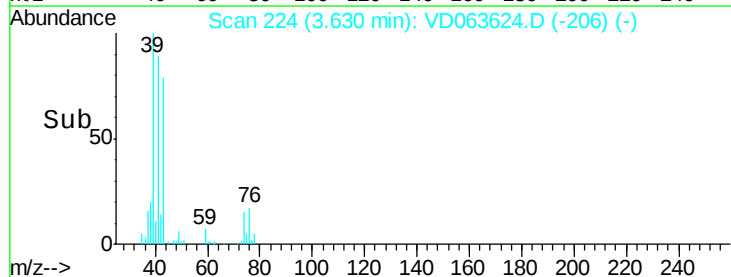
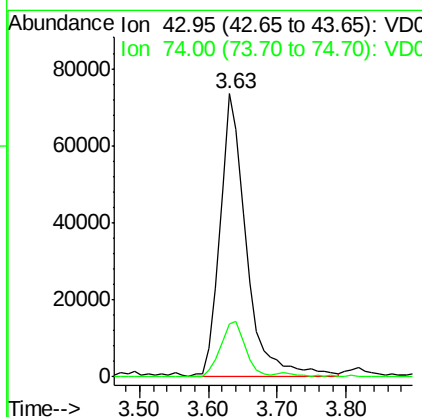
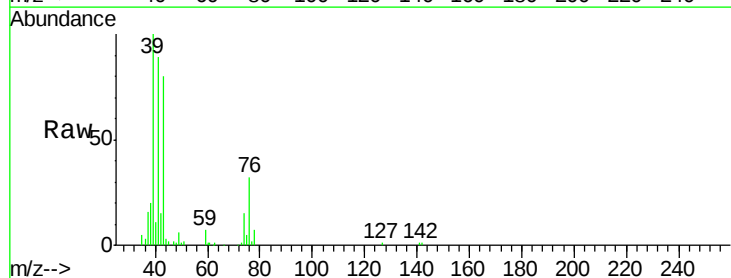
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

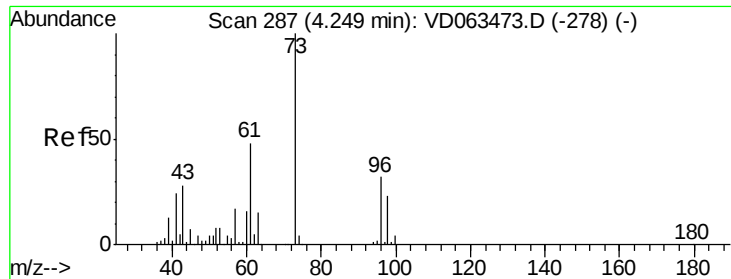
Tot Ion: 76 Resp: 1076045
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 55.346 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 43 Resp: 195703
Ion Ratio Lower Upper
43 100
74 18.7 15.4 23.2

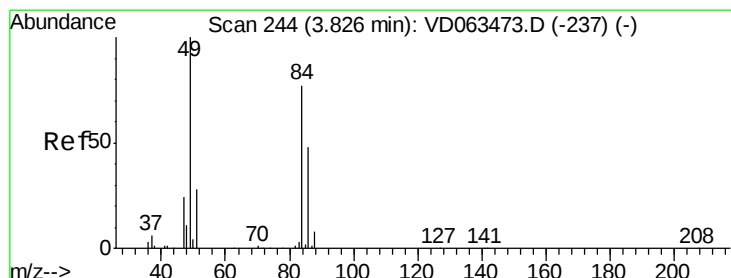
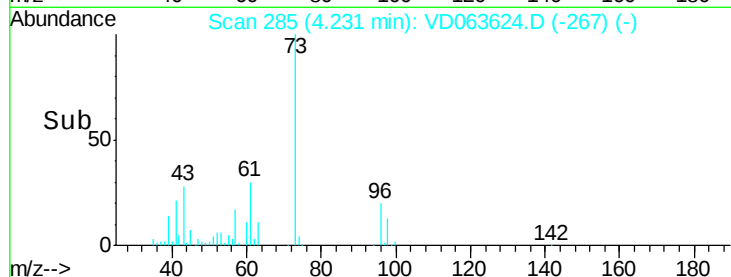
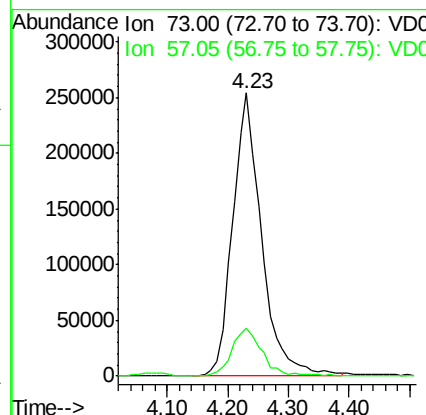
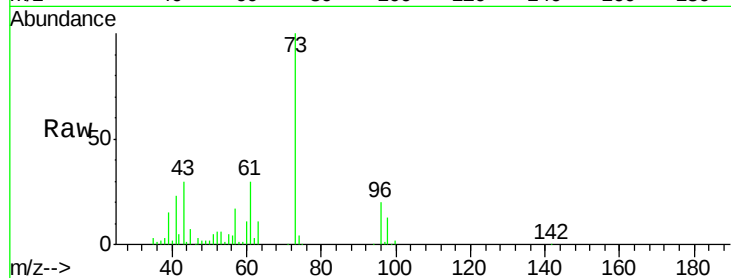




#19
Methyl tert-butyl Ether
Concen: 60.632 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

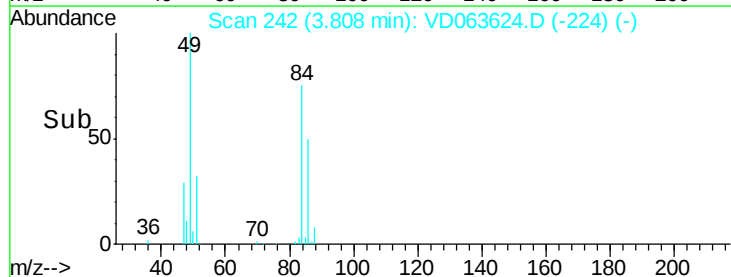
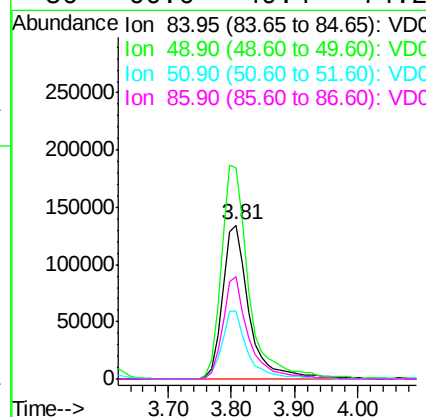
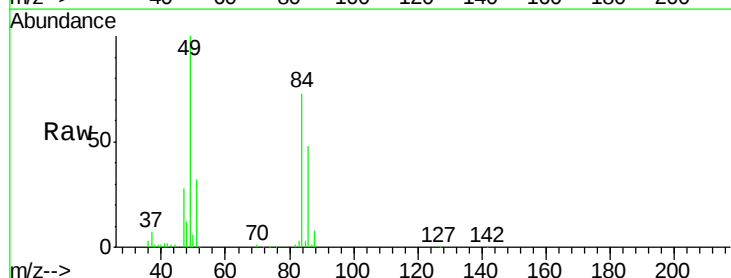
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

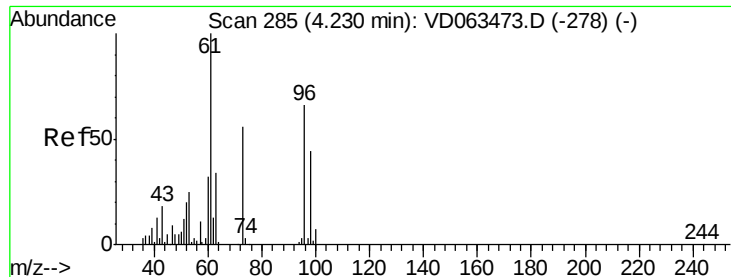
Tot Ion: 73 Resp: 841795
Ion Ratio Lower Upper
73 100
57 17.0 14.0 21.0



#20
Methylene Chloride
Concen: 49.223 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 84 Resp: 397349
Ion Ratio Lower Upper
84 100
49 137.7 103.4 155.2
51 43.9 28.5 42.7#
86 66.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 54.214 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

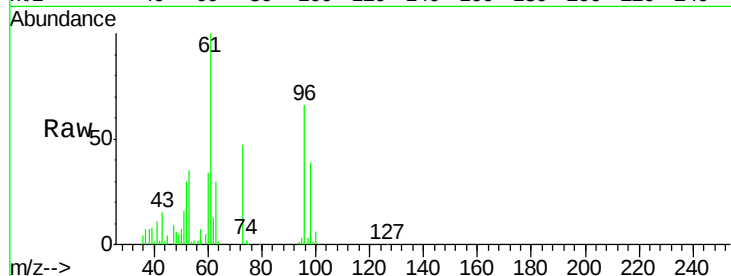
Tot Ion: 96 Resp: 396052

Ion Ratio Lower Upper

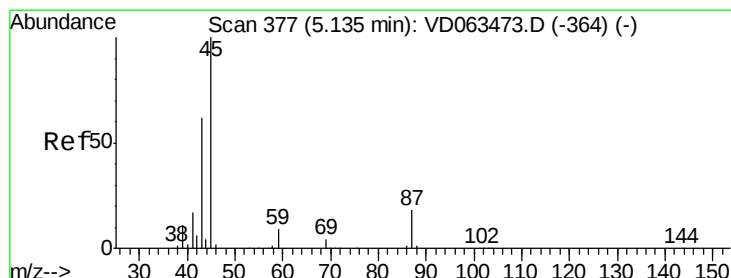
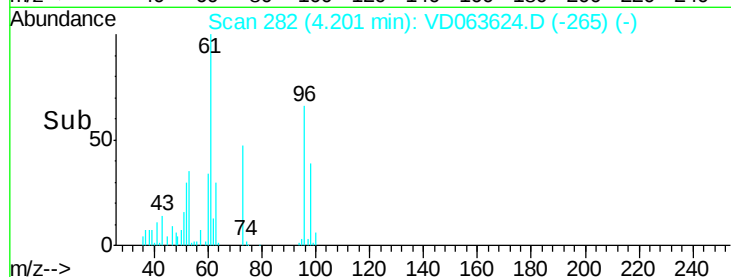
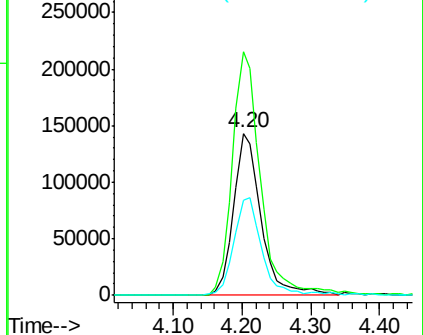
96 100

61 150.4 121.7 182.5

98 59.0 54.2 81.2



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



#22

Diisopropyl ether

Concen: 53.723 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Tgt Ion: 45 Resp: 1156930

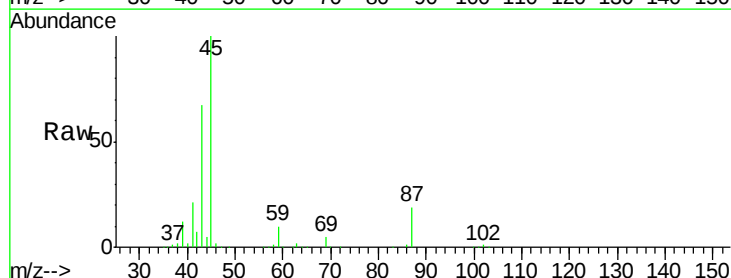
Ion Ratio Lower Upper

45 100

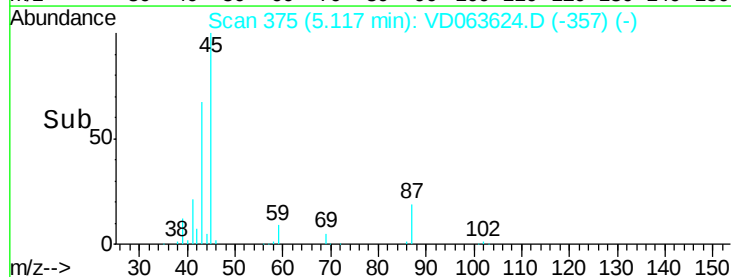
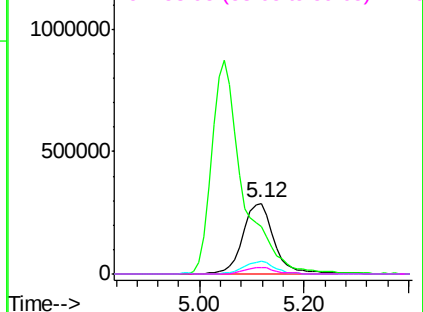
43 67.2 50.3 75.5

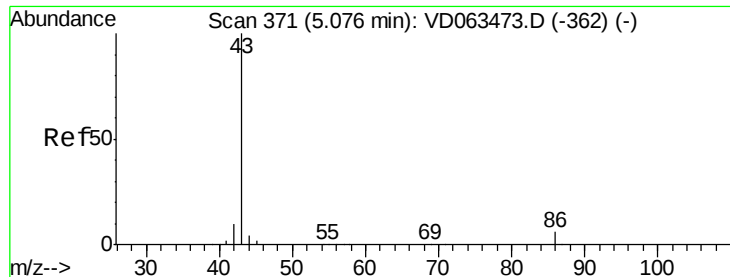
87 19.0 14.3 21.5

59 9.6 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

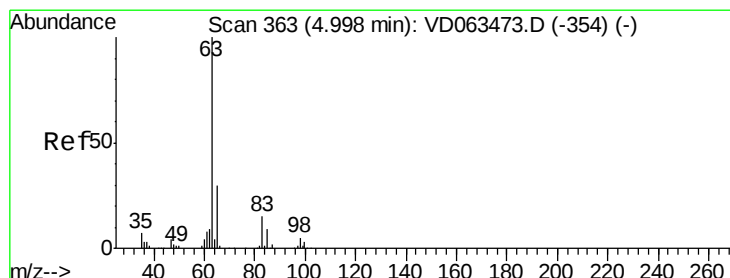
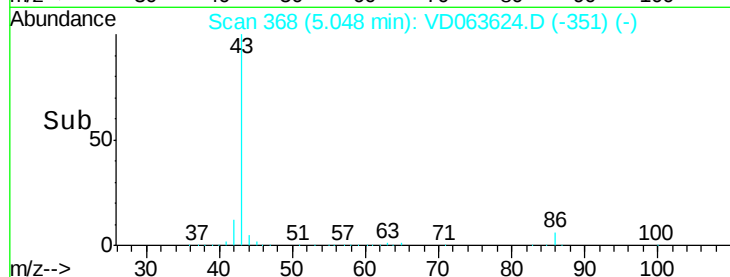
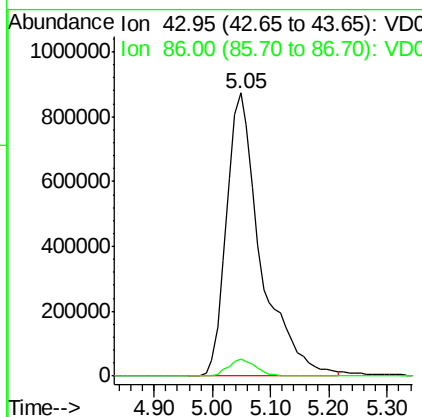
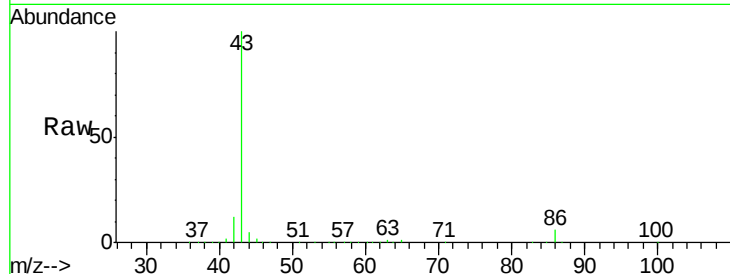




#23
 Vinyl Acetate
 Concen: 285.415 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

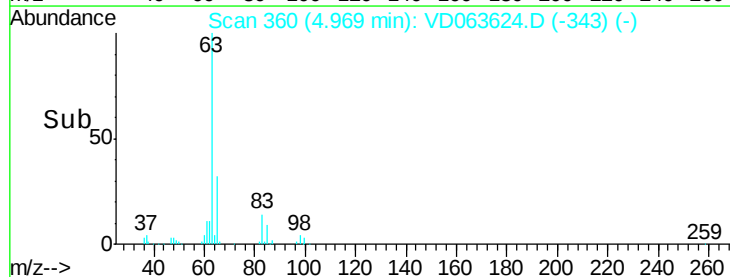
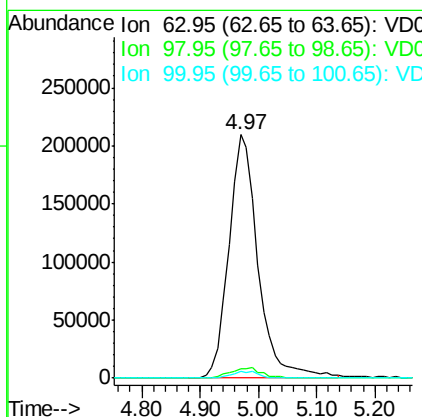
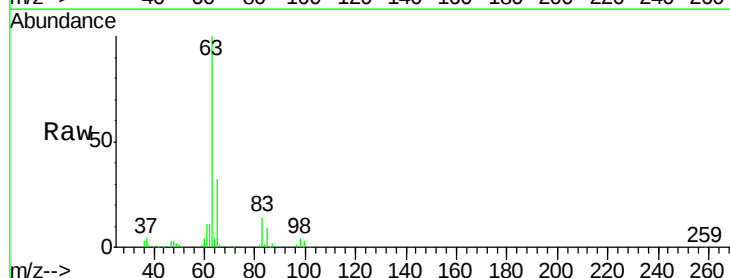
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3573270
 Ion Ratio Lower Upper
 43 100
 86 6.2 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 54.479 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 63 Resp: 727662
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.4 7.2
 100 2.7 1.3 3.8





#25

2-Butanone

Concen: 272.031 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

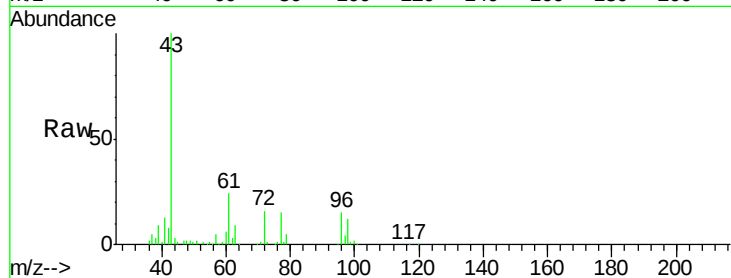
VSTDCCC050EC

Tot Ion: 43 Resp: 501555

Ion Ratio Lower Upper

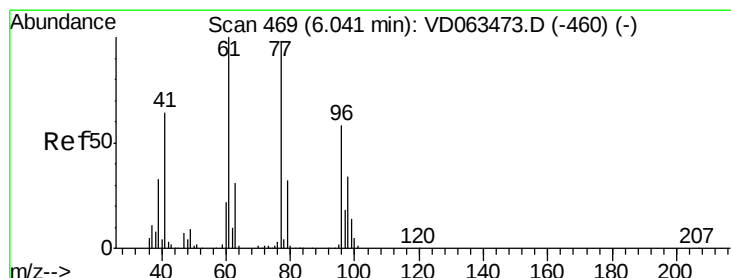
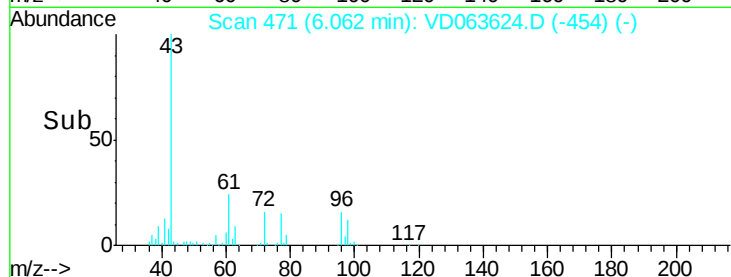
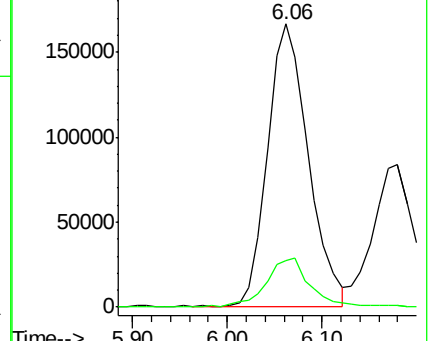
43 100

72 16.3 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.553 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD063624.D

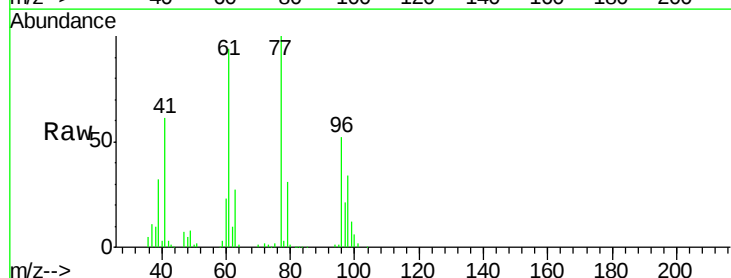
Acq: 15 Aug 2019 23:45

Tgt Ion: 77 Resp: 725769

Ion Ratio Lower Upper

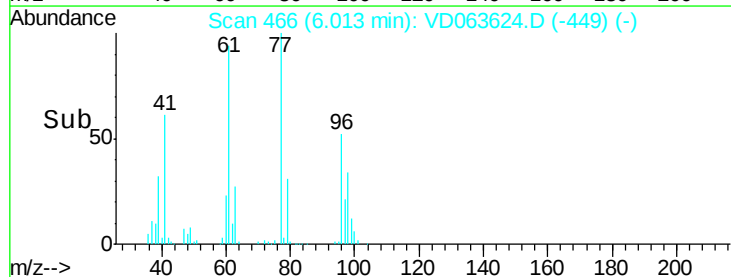
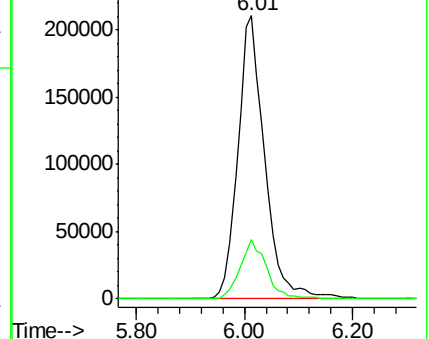
77 100

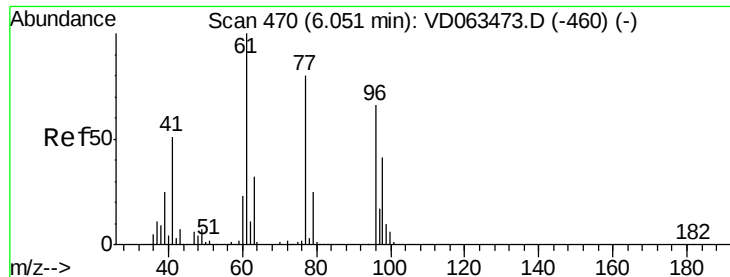
97 21.0 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



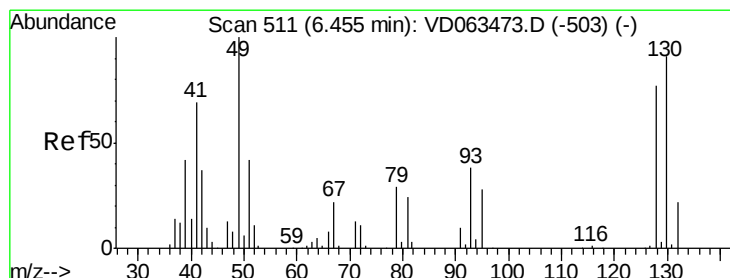
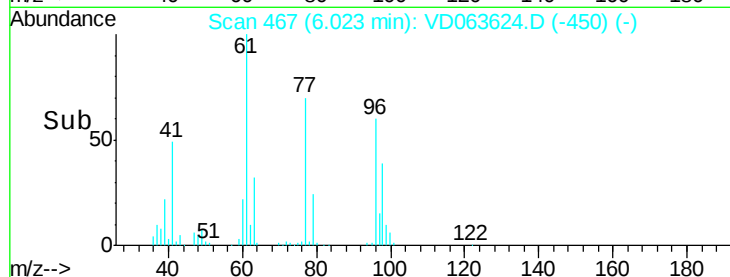
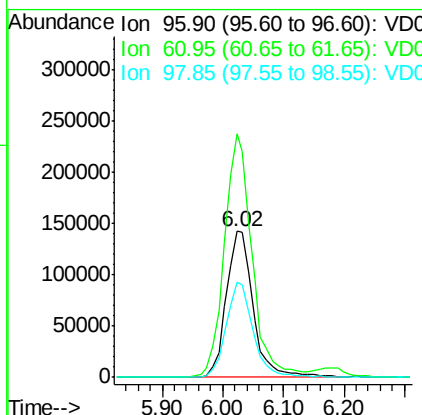
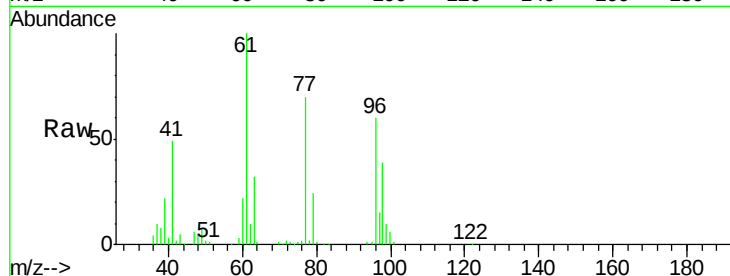


#27

cis-1,2-Dichloroethene
 Concen: 54.867 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

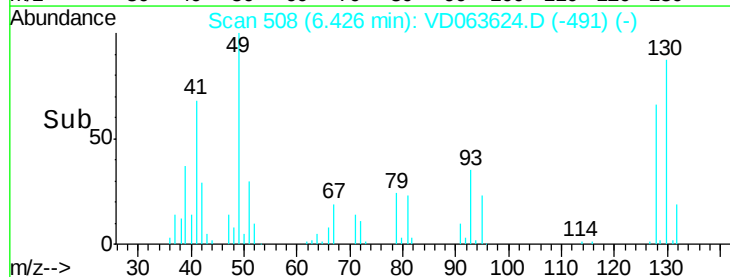
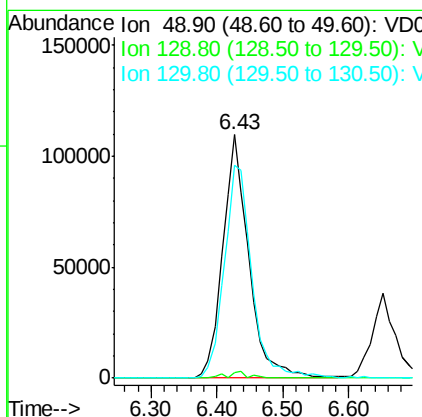
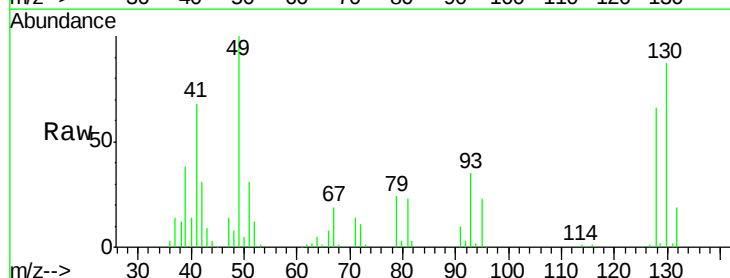
Tot Ion: 96 Resp: 438535
 Ion Ratio Lower Upper
 96 100
 61 166.5 0.0 304.0
 98 64.8 0.0 124.8



#28

Bromochloromethane
 Concen: 55.958 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 49 Resp: 302919
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 6.4
 130 87.4 72.4 108.6





#29

Tetrahydrofuran

Concen: 279.860 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

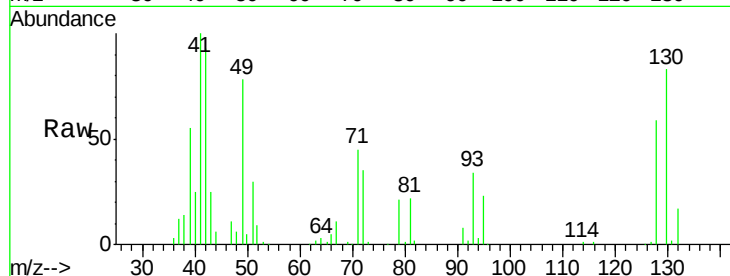
Tot Ion: 42 Resp: 240438

Ion Ratio Lower Upper

42 100

72 42.7 31.5 47.3

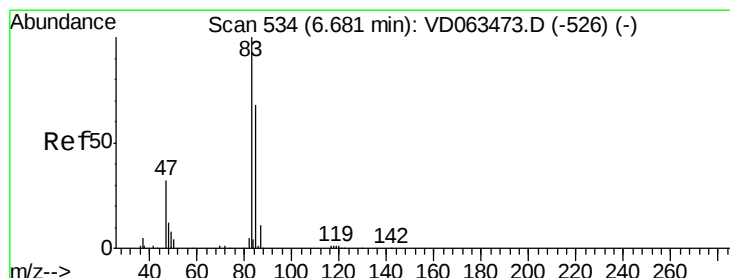
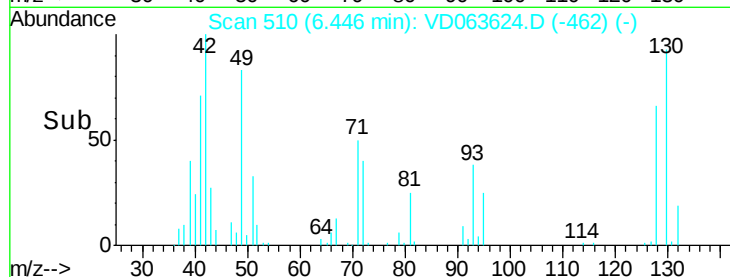
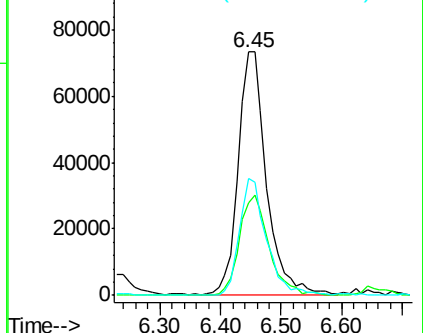
71 45.3 33.8 50.8



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: 56.998 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD063624.D

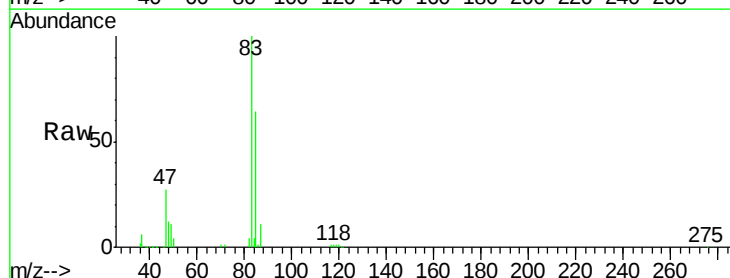
Acq: 15 Aug 2019 23:45

Tgt Ion: 83 Resp: 946291

Ion Ratio Lower Upper

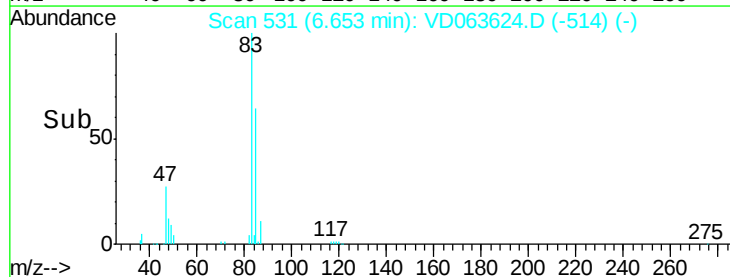
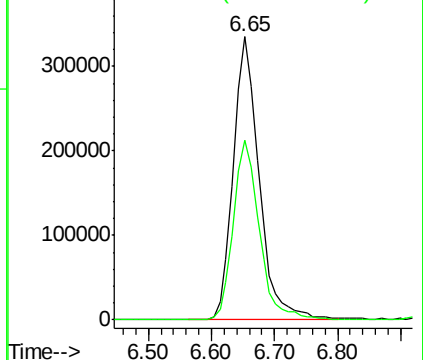
83 100

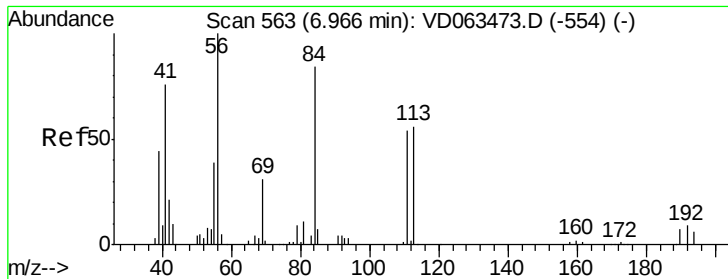
85 63.6 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 47.563 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

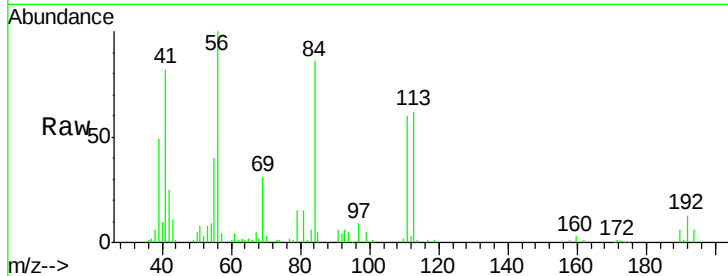
Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

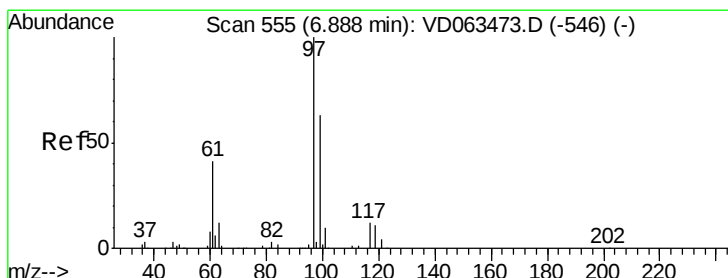
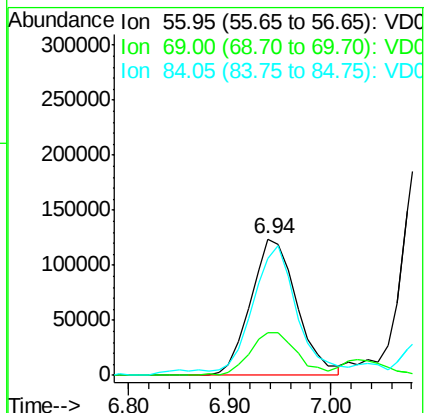
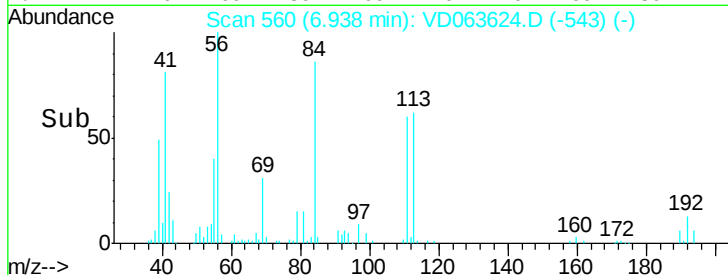
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 394395

Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	86.0	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: 58.953 ug/l

RT: 6.86 min Scan# 552

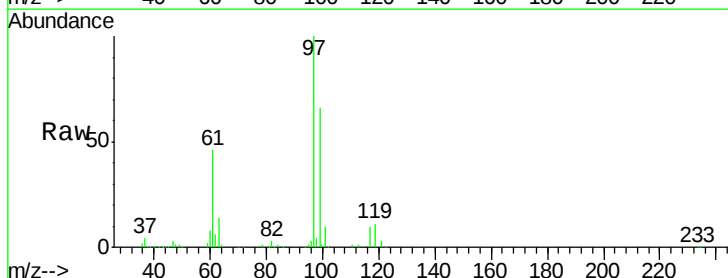
Delta R.T. -0.03 min

Lab File: VD063624.D

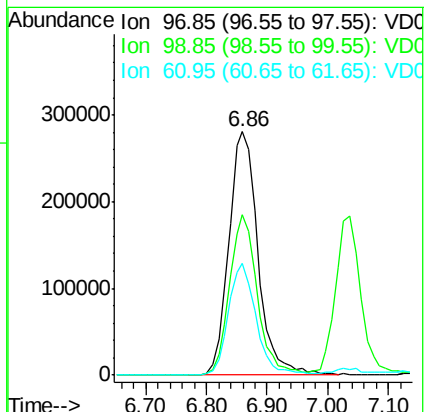
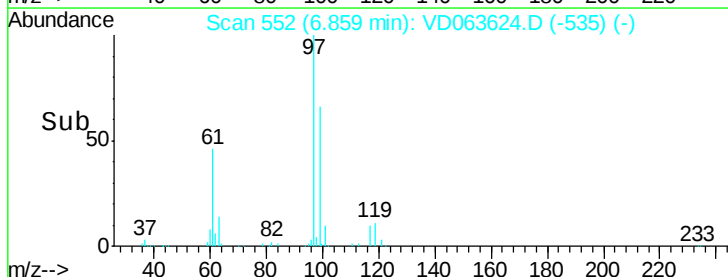
Acq: 15 Aug 2019 23:45

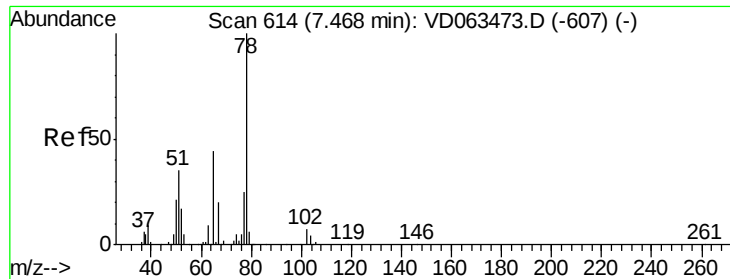
Tgt Ion: 97 Resp: 936264

Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.2	75.4
61	46.1	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

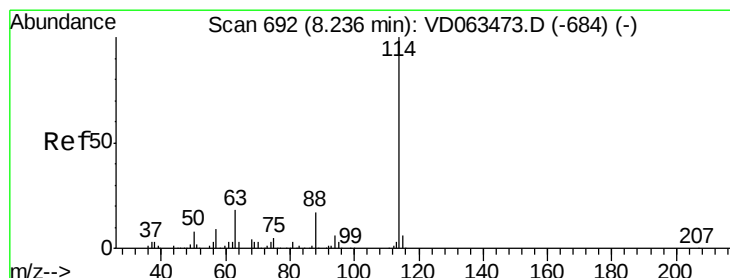
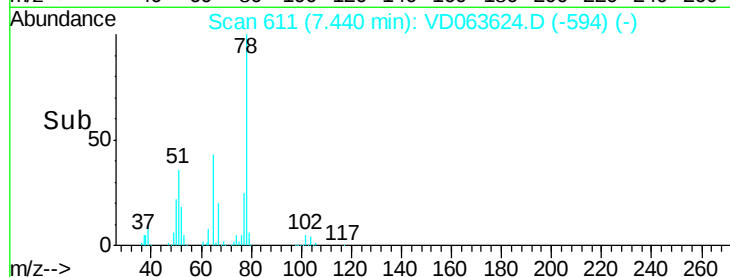
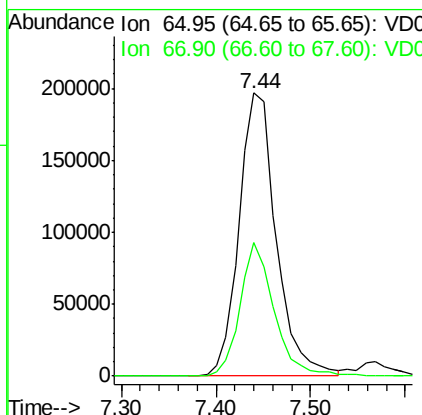
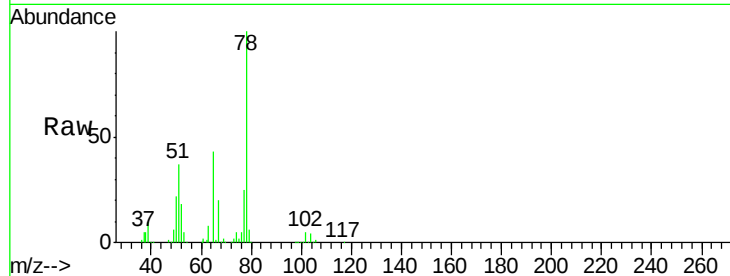




#33
 1,2-Dichloroethane-d4
 Concen: 58.330 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

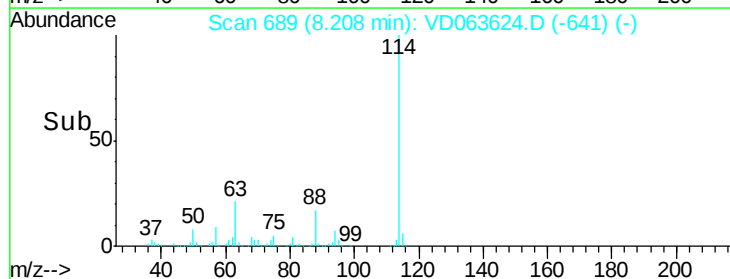
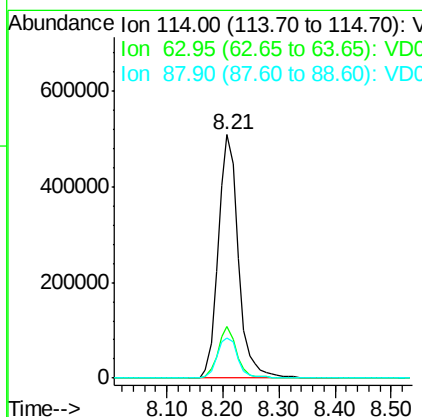
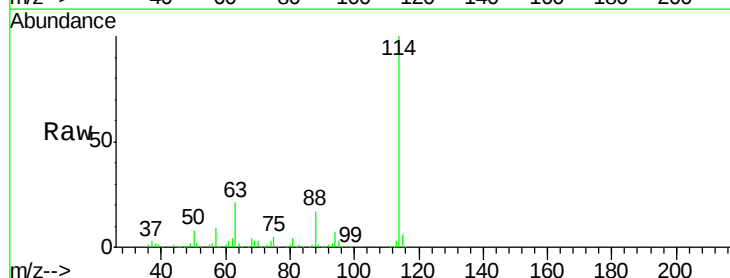
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

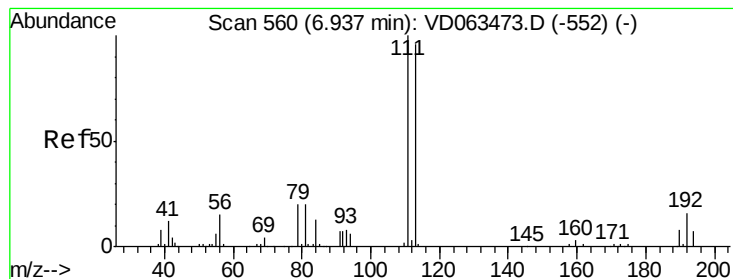
Tot Ion: 65 Resp: 535669
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 114 Resp: 1277002
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 36.2
 88 16.6 0.0 35.0





#35

Dibromofluoromethane

Concen: 53.192 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

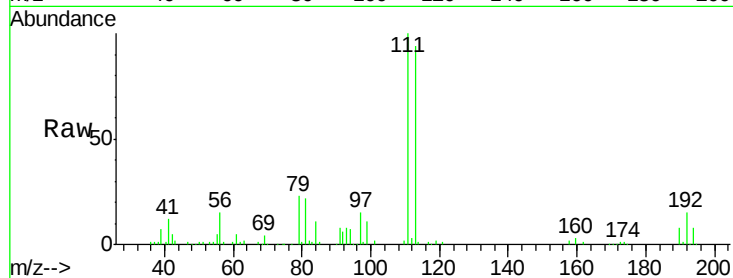
Tot Ion:113 Resp: 572078

Ion Ratio Lower Upper

113 100

111 106.0 83.1 124.7

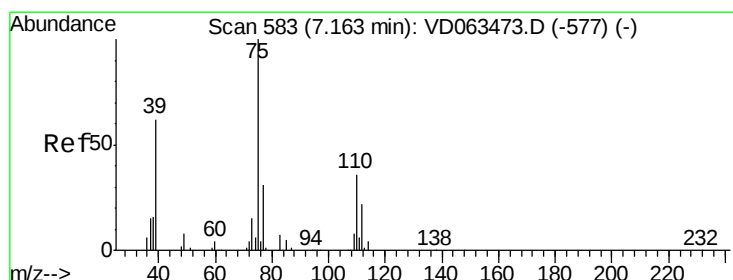
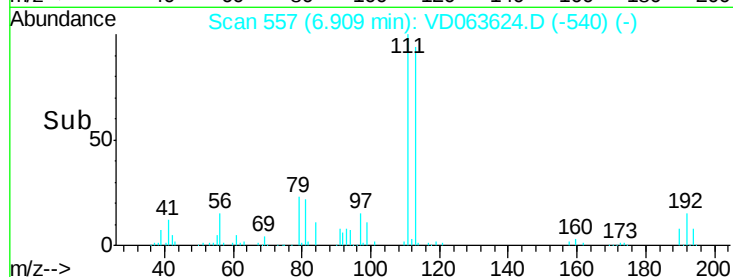
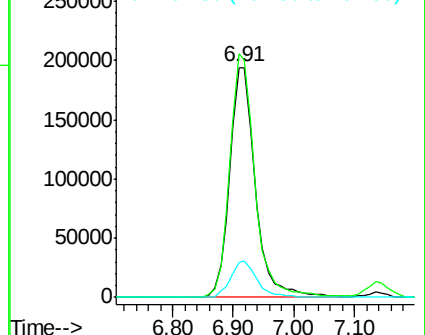
192 15.5 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 53.684 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

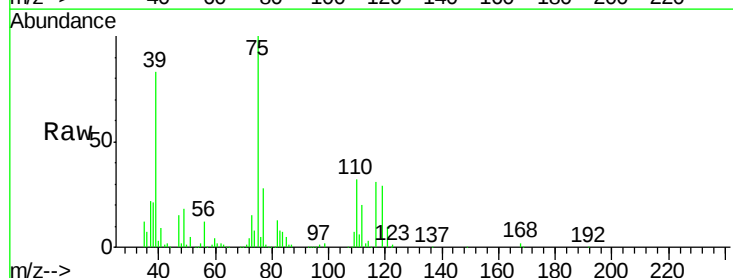
Tgt Ion: 75 Resp: 606037

Ion Ratio Lower Upper

75 100

110 32.2 17.6 52.8

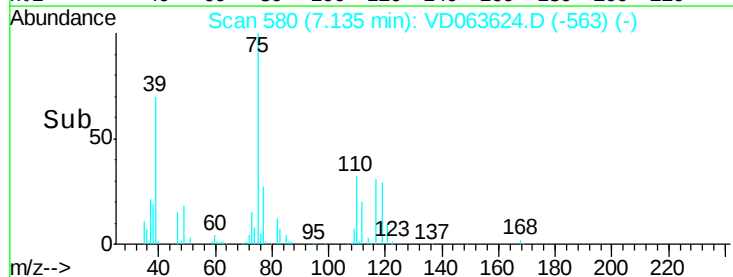
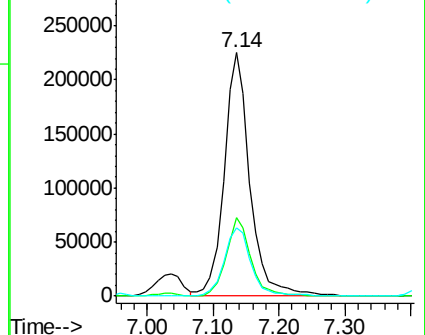
77 27.9 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

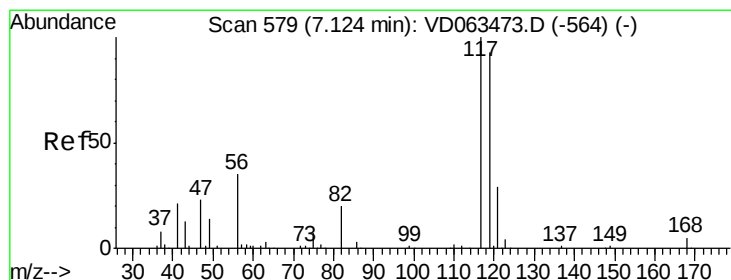
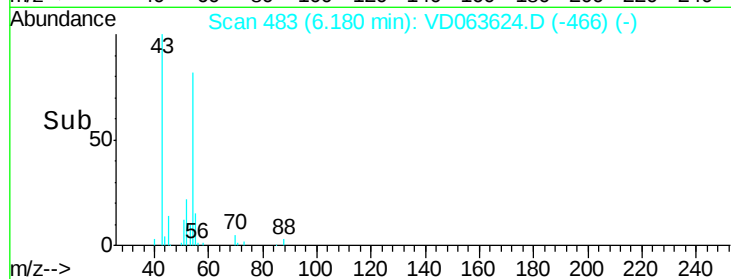
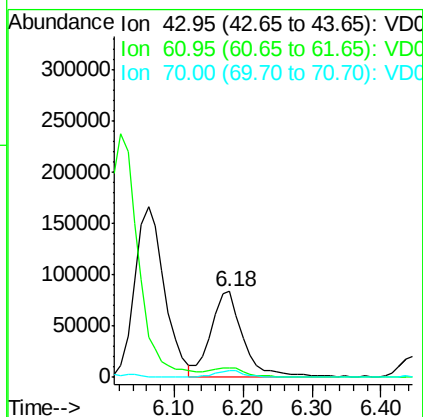
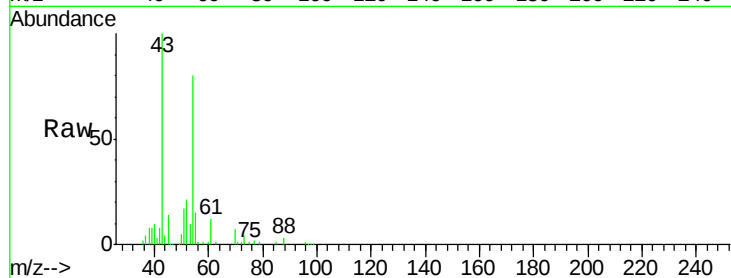




#37
Ethyl Acetate
Concen: 56.434 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

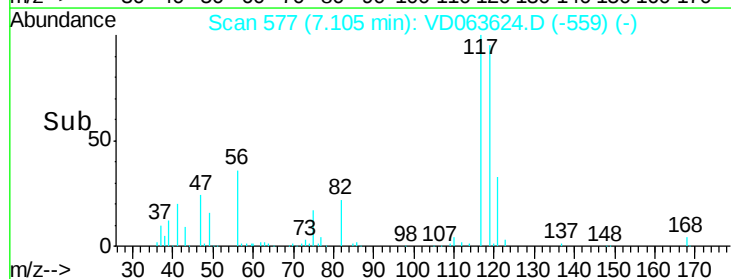
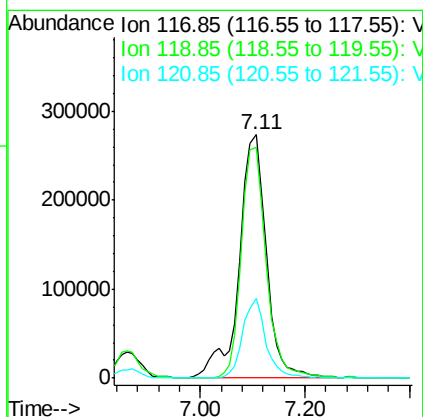
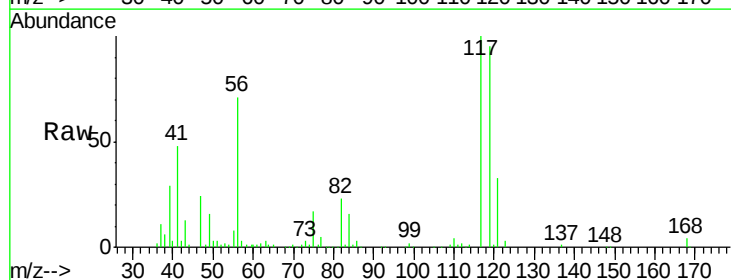
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

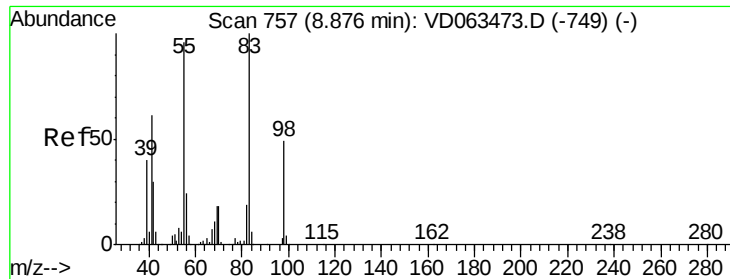
Tot Ion: 43 Resp: 266959
Ion Ratio Lower Upper
43 100
61 11.6 9.0 13.6
70 7.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 56.886 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 117 Resp: 967850
Ion Ratio Lower Upper
117 100
119 94.6 74.2 111.2
121 33.0 23.1 34.7

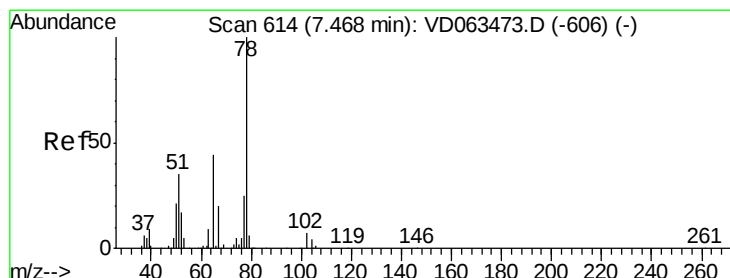
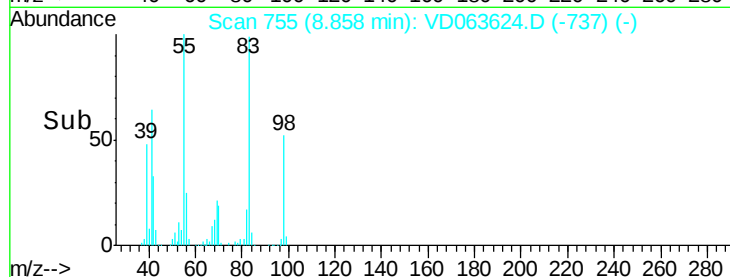
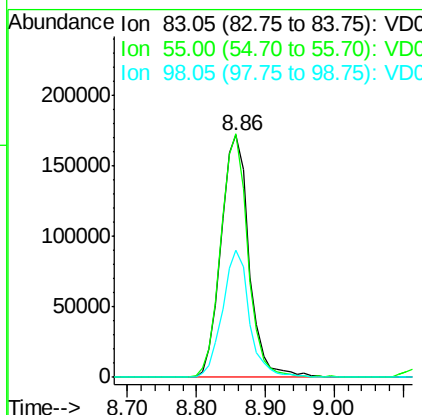
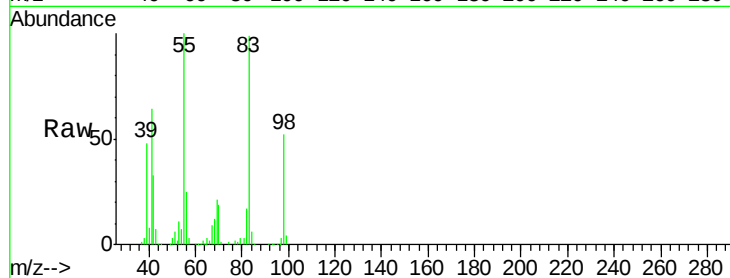




#39
Methvlcvclohexane
Concen: 50.321 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

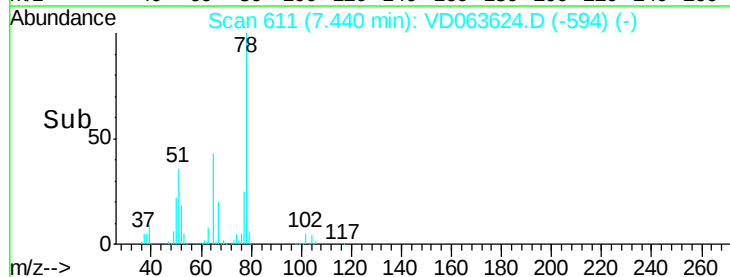
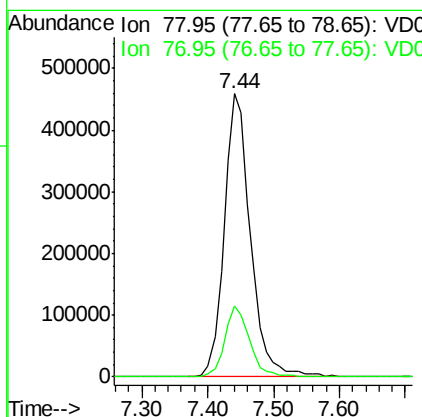
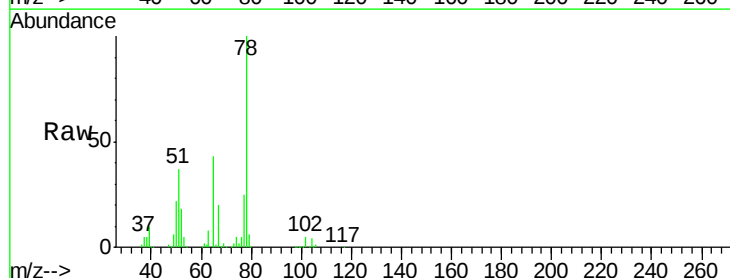
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

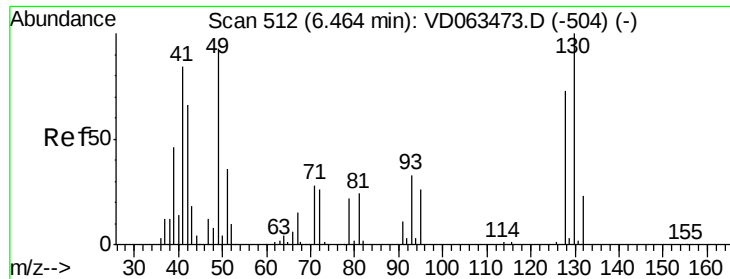
Tot Ion: 83 Resp: 483049
Ion Ratio Lower Upper
83 100
55 100.7 76.6 114.8
98 52.7 39.4 59.0



#40
Benzene
Concen: 51.298 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 78 Resp: 1274402
Ion Ratio Lower Upper
78 100
77 24.9 20.1 30.1

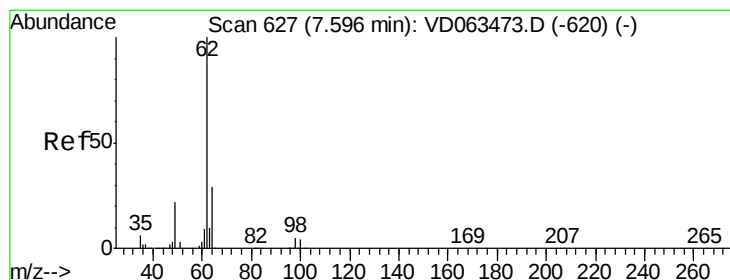
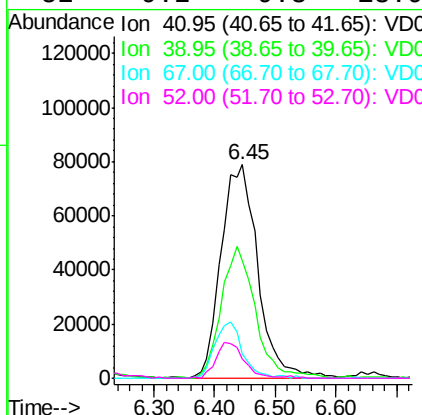
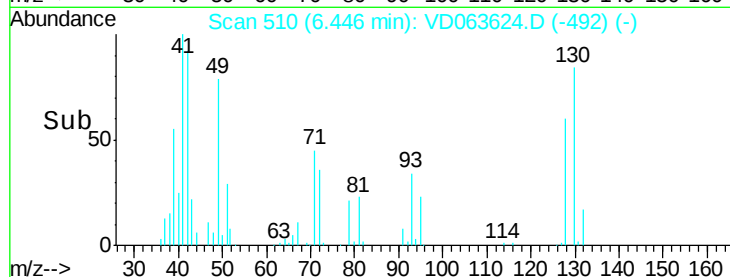
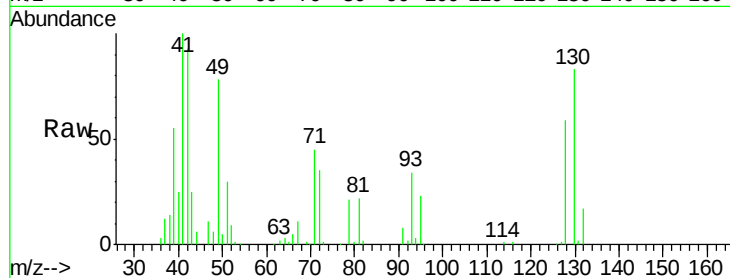




#41
Methacrylonitrile
Concen: 55.875 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

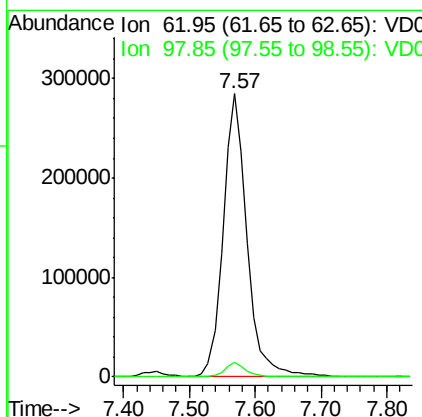
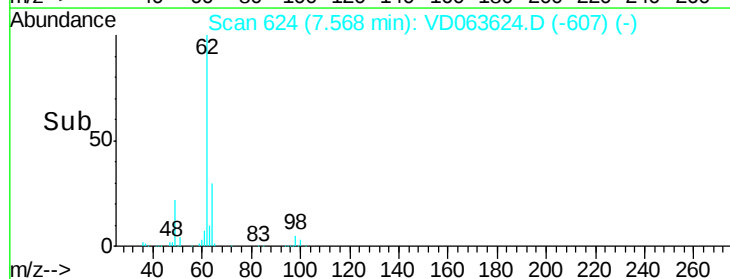
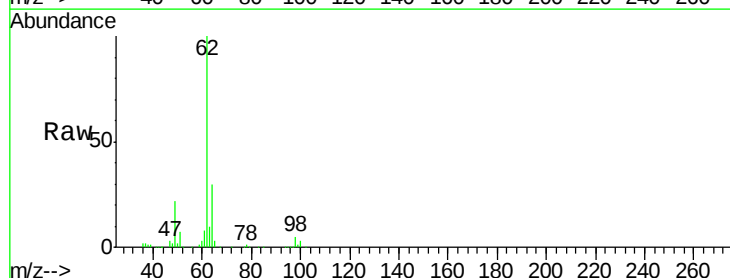
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

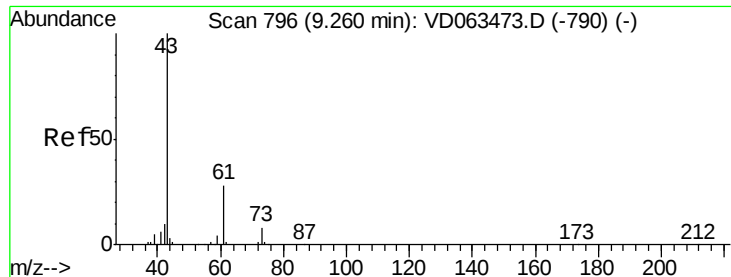
Tot Ion: 41 Resp: 332801
Ion Ratio Lower Upper
41 100
39 55.1 44.6 66.8
67 11.2 14.4 21.6#
52 9.2 9.3 13.9#



#42
1,2-Dichloroethane
Concen: 57.323 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.03 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 62 Resp: 716066
Ion Ratio Lower Upper
62 100
98 5.0 0.0 10.4



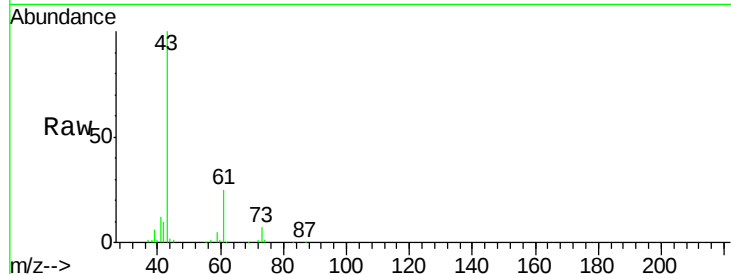


#43

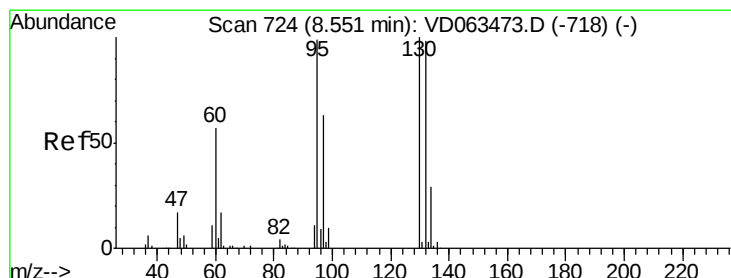
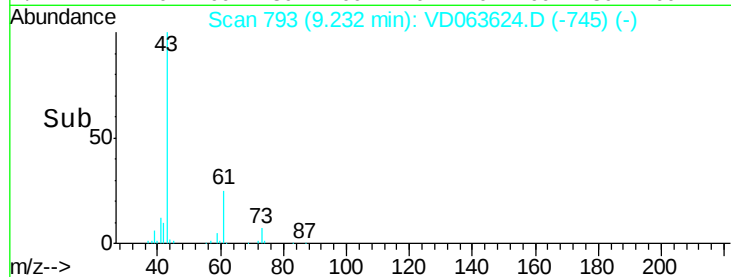
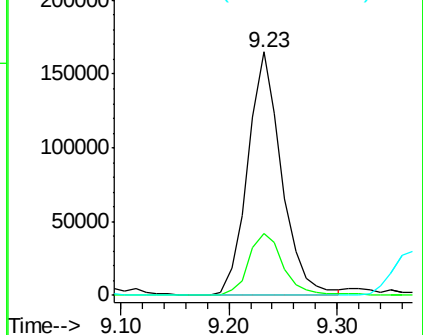
Isopropyl Acetate
 Concen: 56.450 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 357643
 Ion Ratio Lower Upper
 43 100
 61 25.2 22.2 33.2
 87 0.2 0.2 0.4#



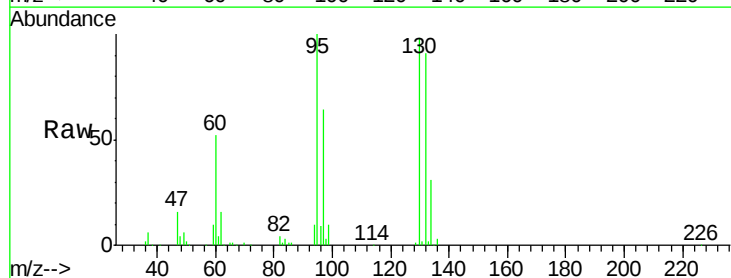
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



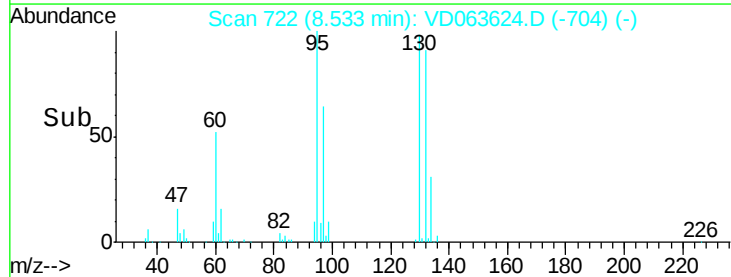
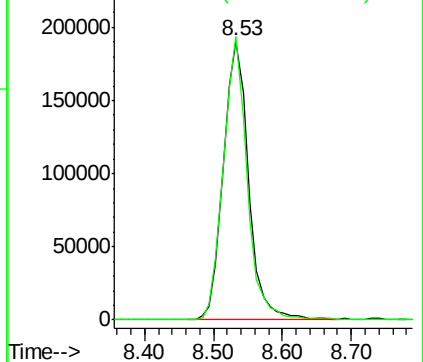
#44

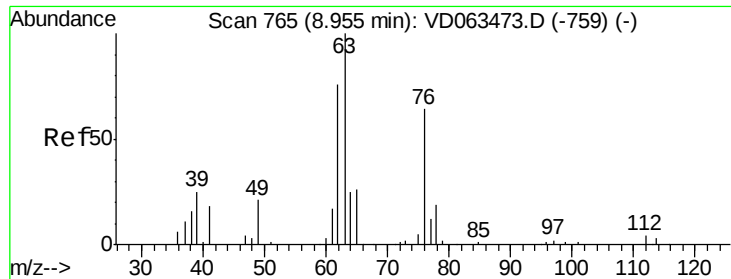
Trichloroethene
 Concen: 50.870 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 130 Resp: 483038
 Ion Ratio Lower Upper
 130 100
 95 101.6 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 53.673 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

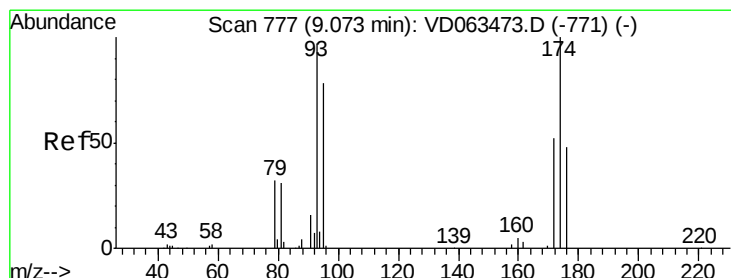
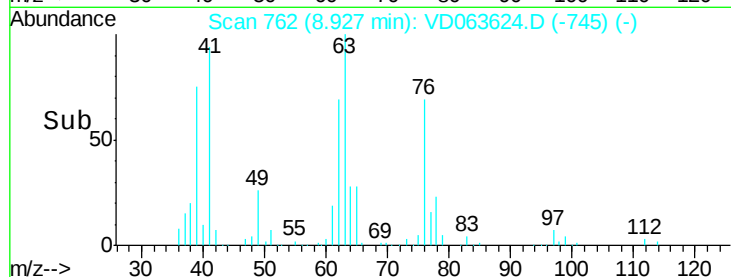
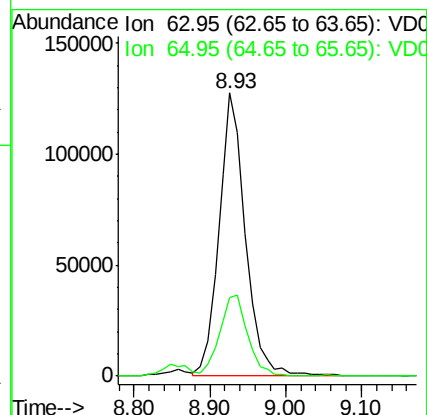
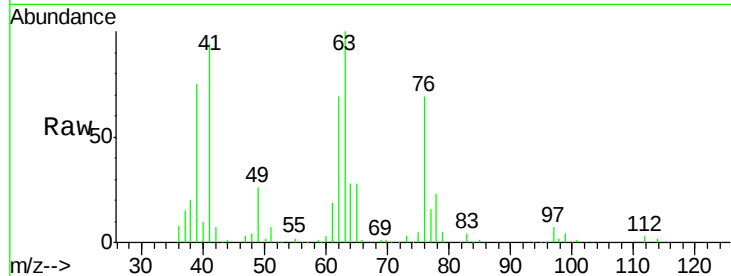
VSTDCCC050EC

Tot Ion: 63 Resp: 310516

Ion Ratio Lower Upper

63 100

65 28.0 22.5 33.7



#46

Dibromomethane

Concen: 55.676 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

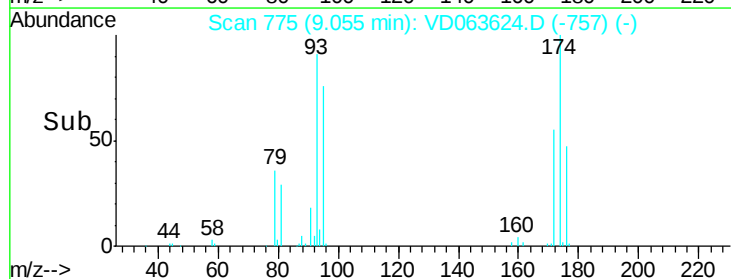
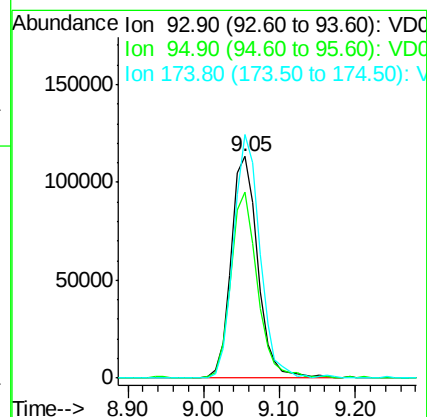
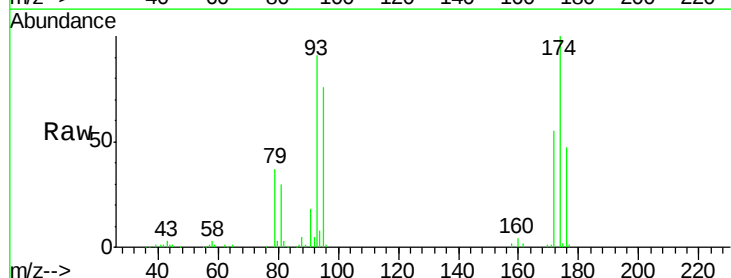
Tgt Ion: 93 Resp: 275073

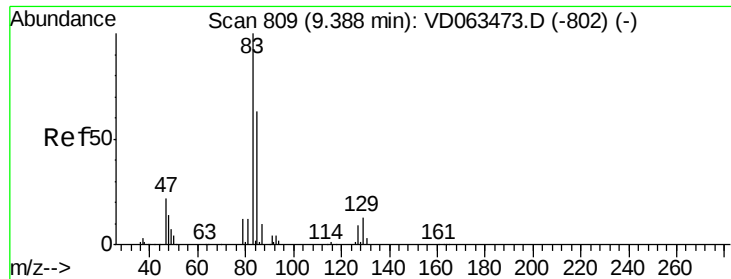
Ion Ratio Lower Upper

93 100

95 83.9 64.2 96.2

174 109.9 82.1 123.1





#47

Bromodichloromethane

Concen: 59.086 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

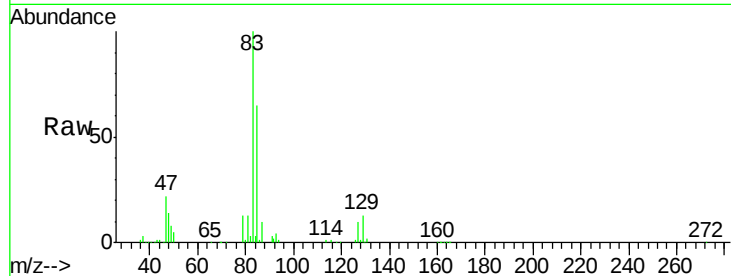
Tot Ion: 83 Resp: 748797

Ion Ratio Lower Upper

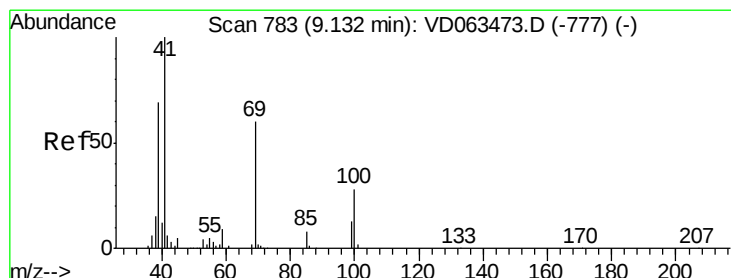
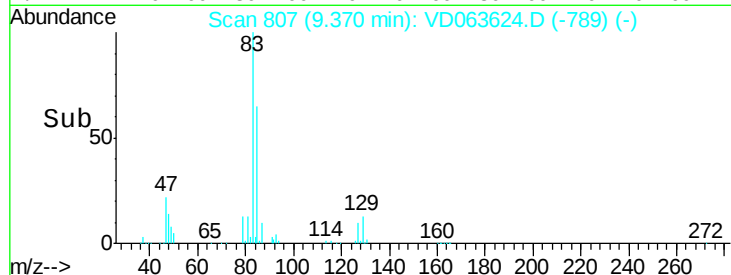
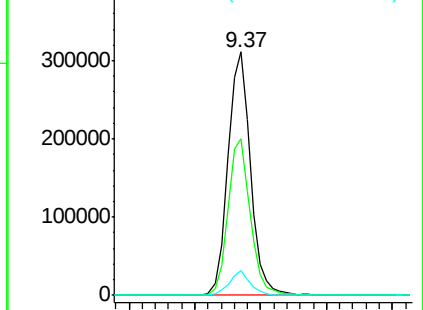
83 100

85 64.5 50.1 75.1

127 10.3 7.6 11.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.589 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

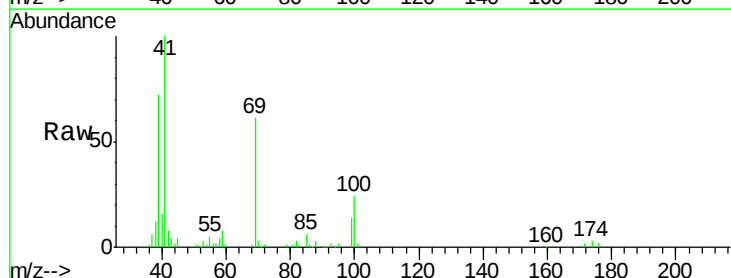
Tgt Ion: 41 Resp: 238846

Ion Ratio Lower Upper

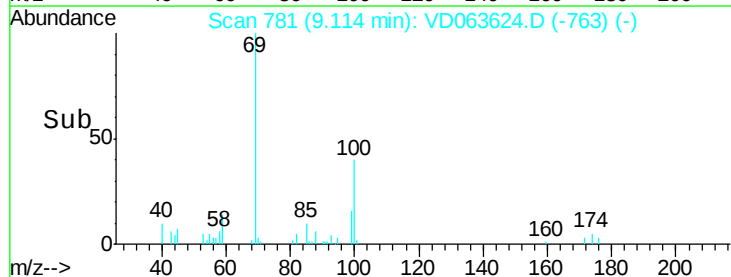
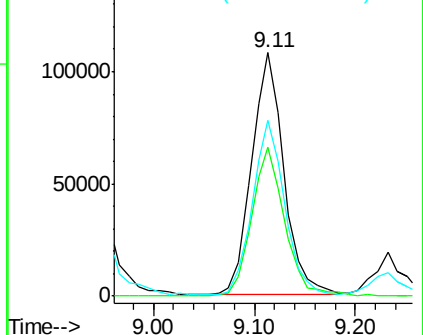
41 100

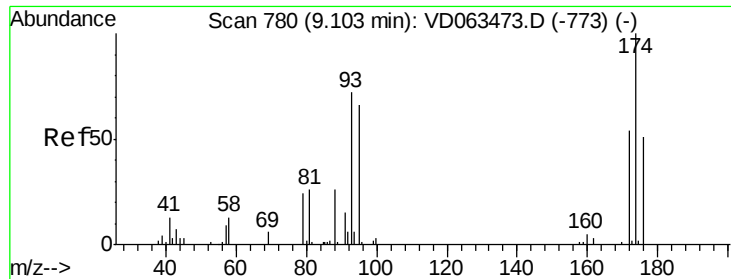
69 61.1 47.6 71.4

39 72.4 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: 1041.729 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

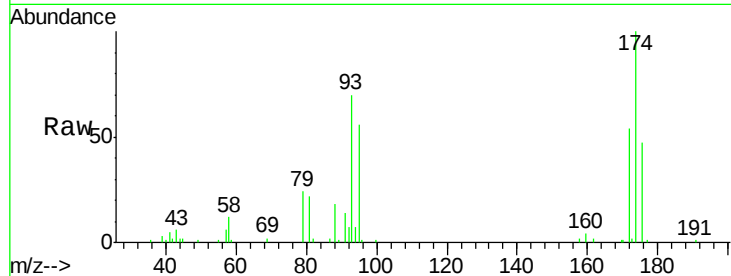
Tot Ion: 88 Resp: 40010

Ion Ratio Lower Upper

88 100

43 35.8 22.9 34.3#

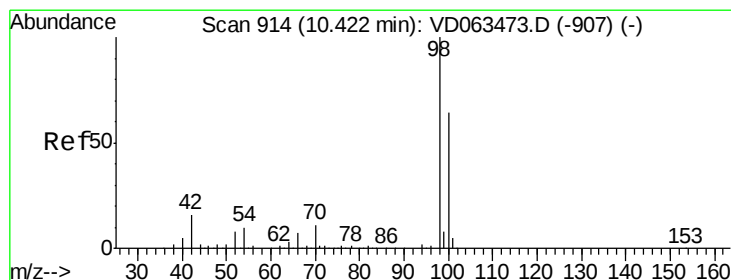
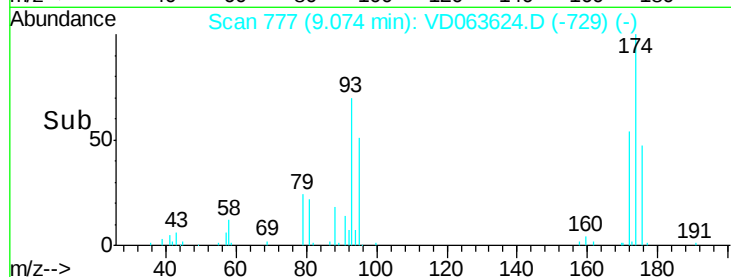
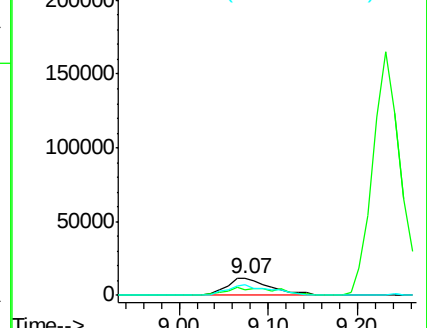
58 66.3 40.1 60.1#



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: 53.886 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063624.D

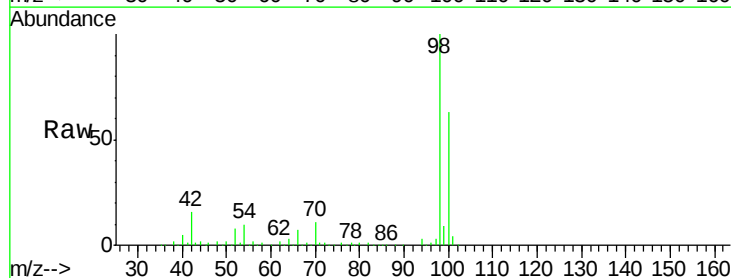
Acq: 15 Aug 2019 23:45

Tgt Ion: 98 Resp: 1274147

Ion Ratio Lower Upper

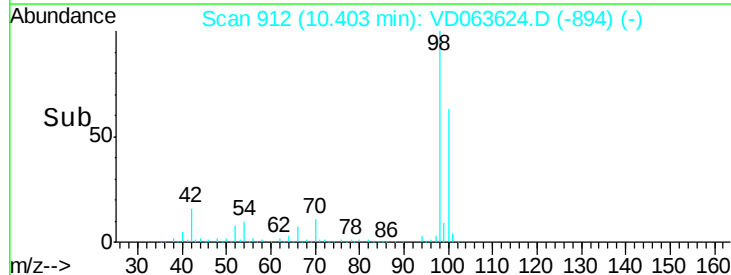
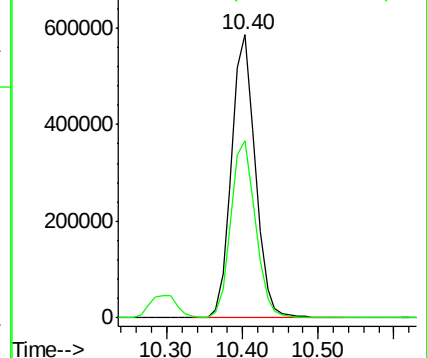
98 100

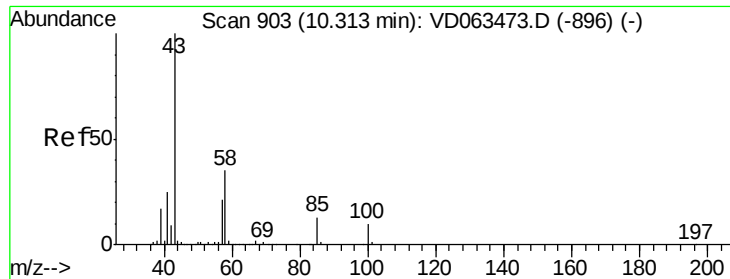
100 62.8 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

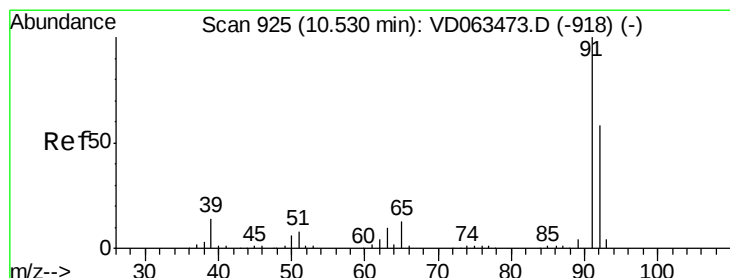
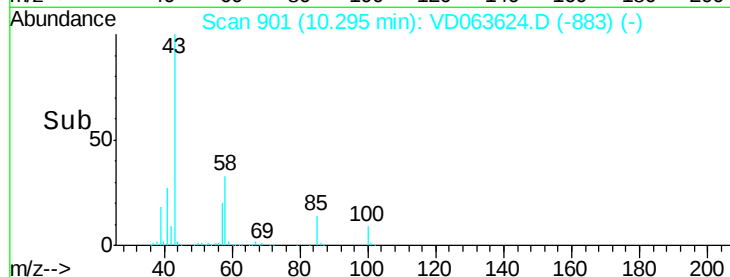
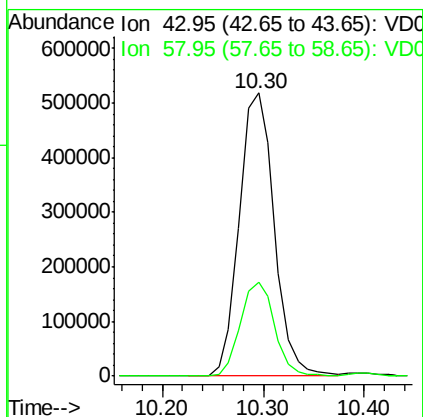
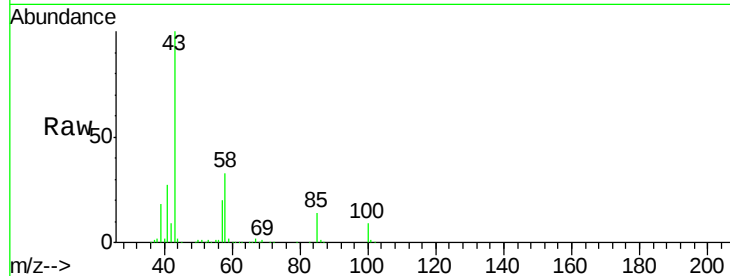




#51
4-Methyl-2-Pentanone
Concen: 288.923 ug/l
RT: 10.30 min Scan# 901
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

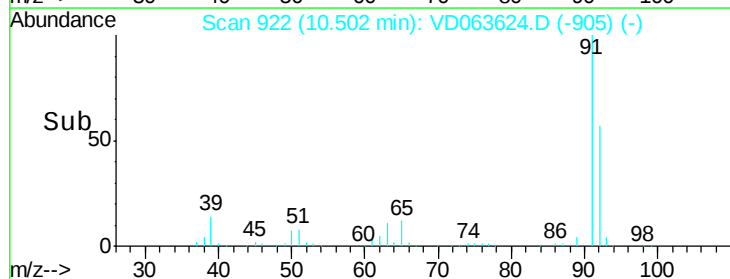
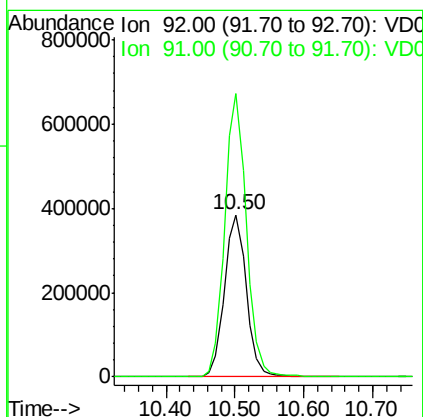
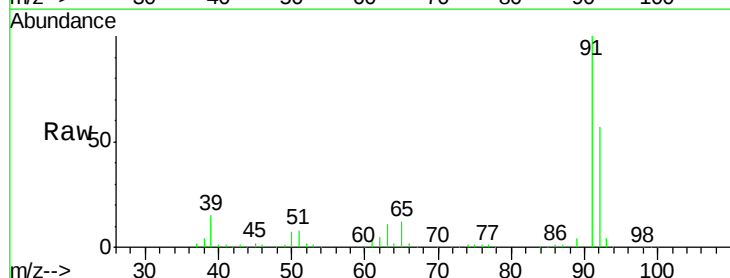
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

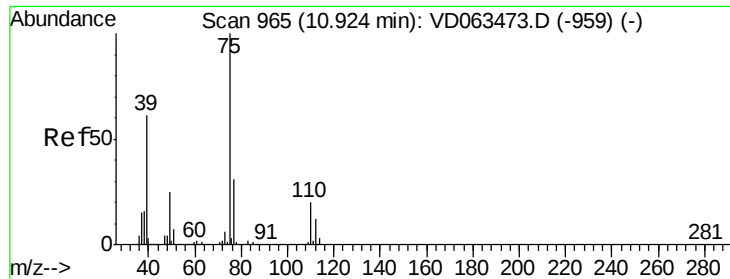
Tot Ion: 43 Resp: 1252555
Ion Ratio Lower Upper
43 100
58 33.2 28.0 42.0



#52
Toluene
Concen: 52.897 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.03 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 92 Resp: 846422
Ion Ratio Lower Upper
92 100
91 174.4 137.9 206.9

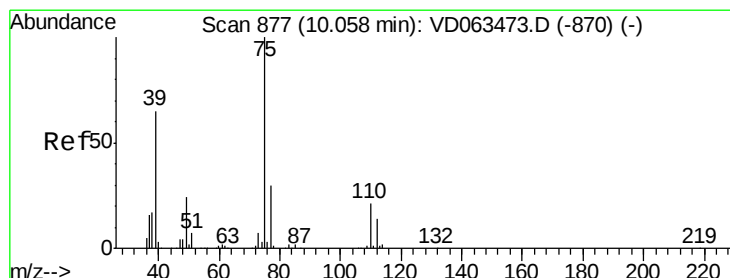
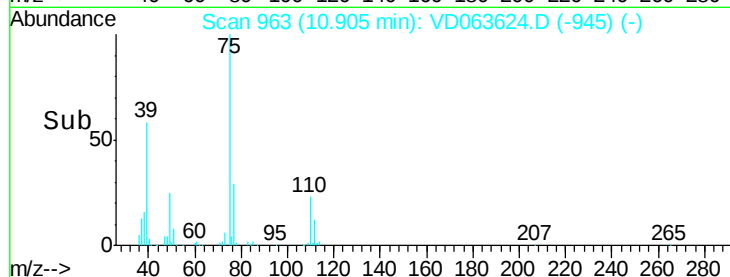
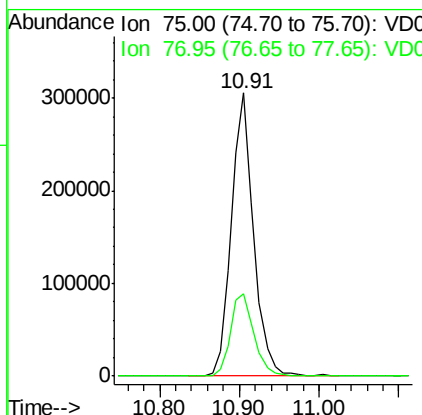
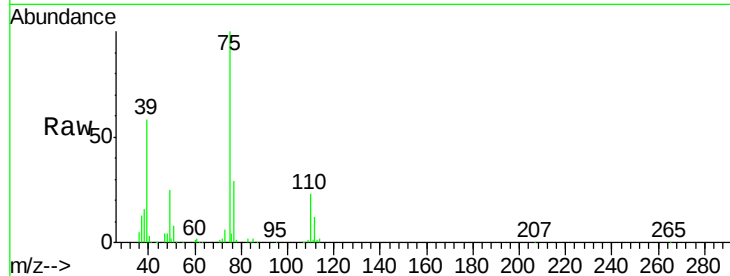




#53
 t-1,3-Dichloropropene
 Concen: 57.661 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

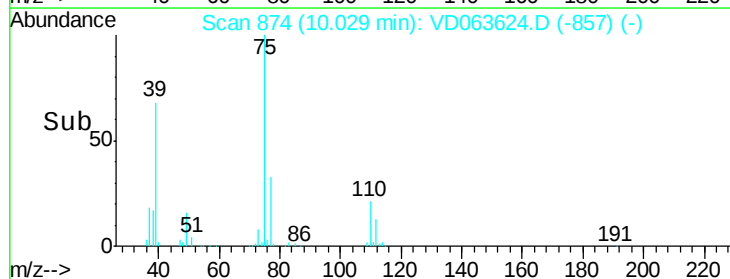
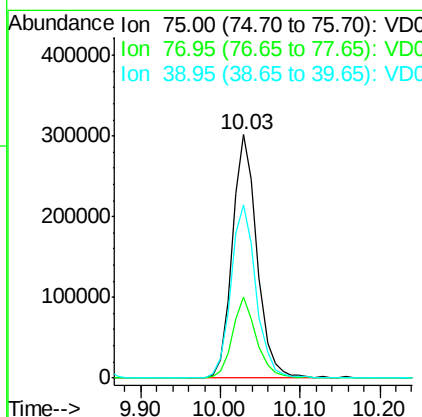
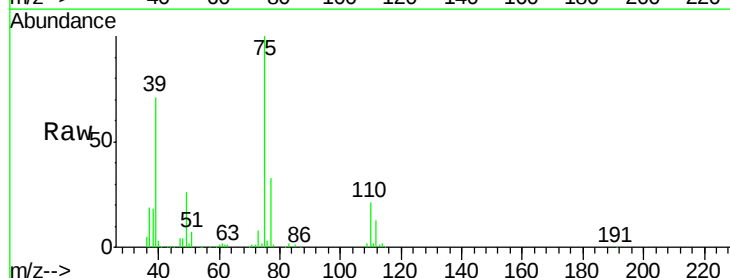
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

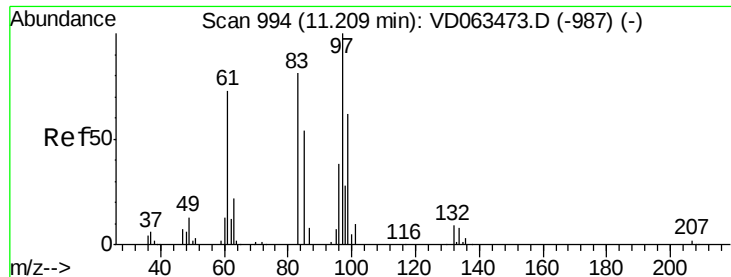
Tot Ion: 75 Resp: 596358
 Ion Ratio Lower Upper
 75 100
 77 29.3 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 55.980 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 75 Resp: 652837
 Ion Ratio Lower Upper
 75 100
 77 33.4 23.7 35.5
 39 70.9 52.2 78.4

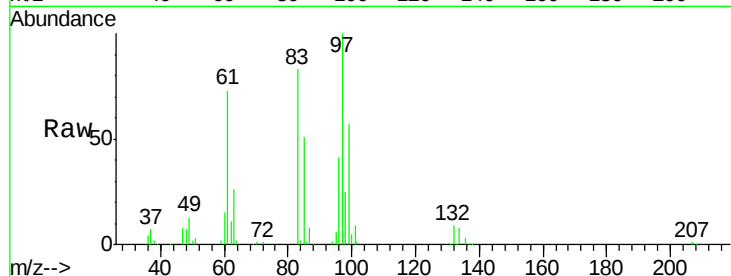




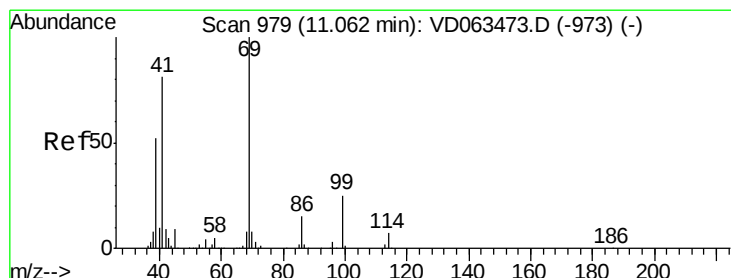
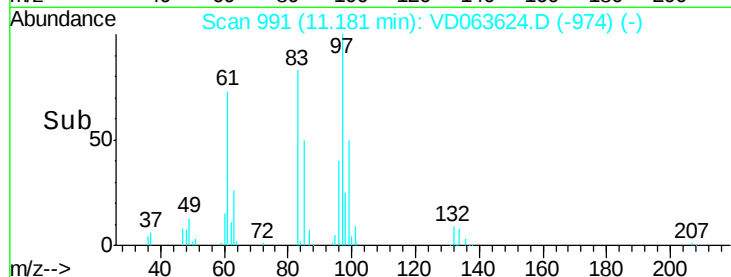
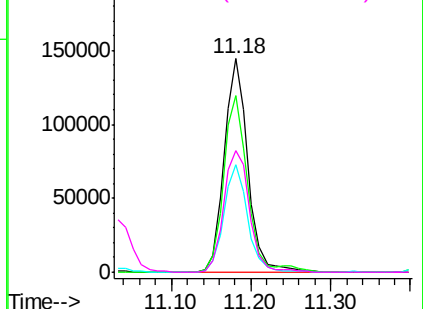
#55
 1,1,2-Trichloroethane
 Concen: 55.829 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	301763
Ion	Ratio	Lower	Upper
97	100		
83	82.6	64.7	97.1
85	50.6	42.9	64.3
99	56.8	49.7	74.5

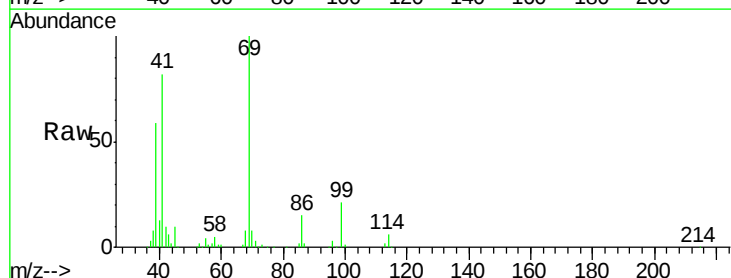


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

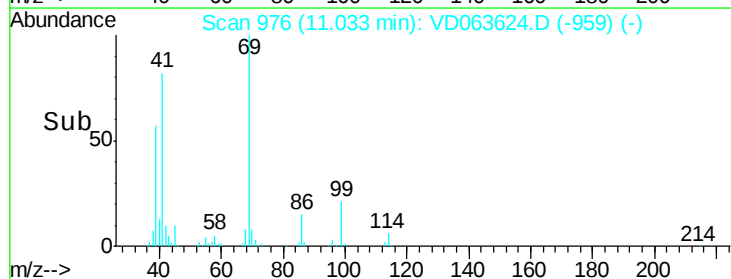
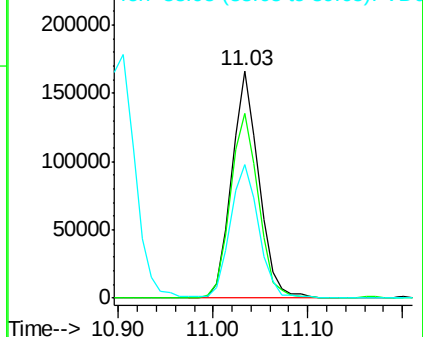


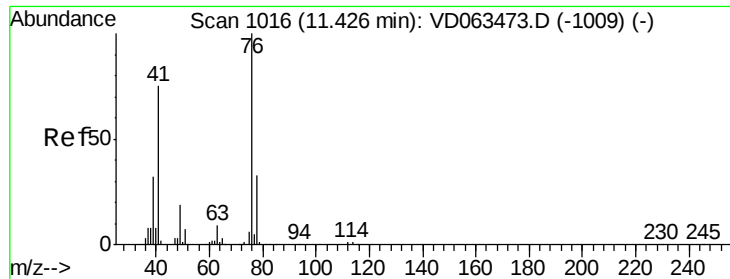
#56
 Ethyl methacrylate
 Concen: 56.151 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion:	69	Resp:	329422
Ion	Ratio	Lower	Upper
69	100		
41	81.6	64.8	97.2
39	58.8	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: 57.679 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.03 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

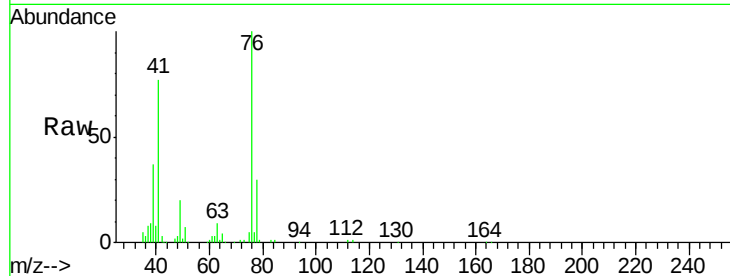
VSTDCCC050EC

Tot Ion: 76 Resp: 471260

Ion Ratio Lower Upper

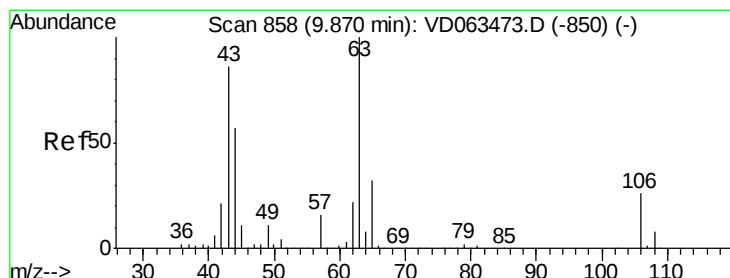
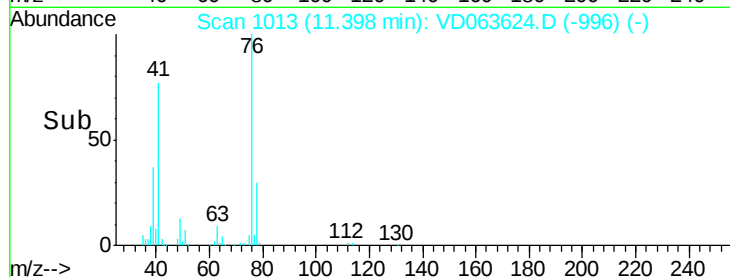
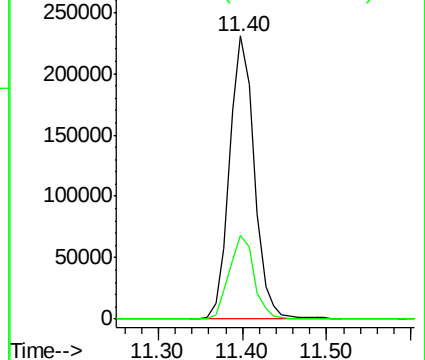
76 100

78 29.7 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 266.718 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063624.D

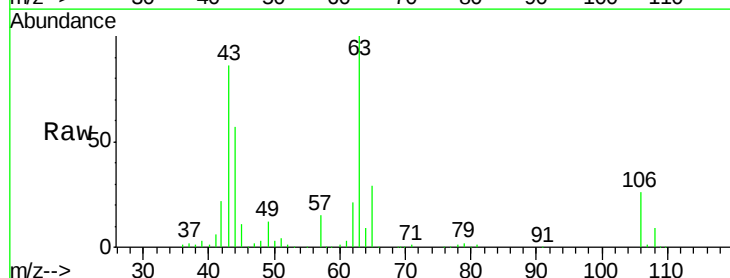
Acq: 15 Aug 2019 23:45

Tgt Ion: 63 Resp: 826092

Ion Ratio Lower Upper

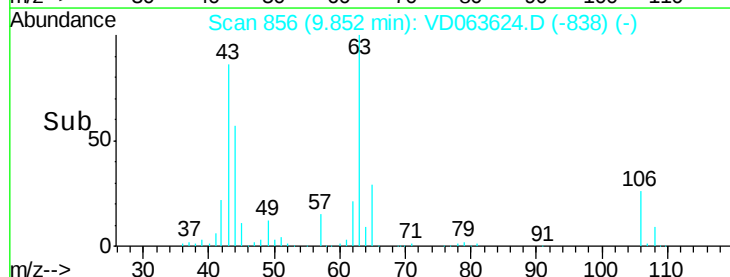
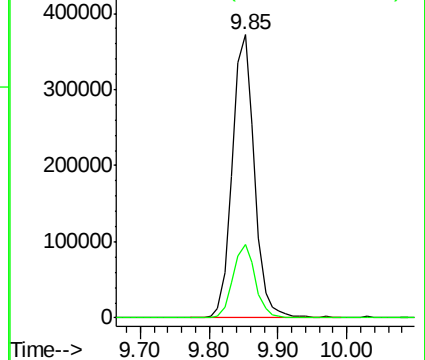
63 100

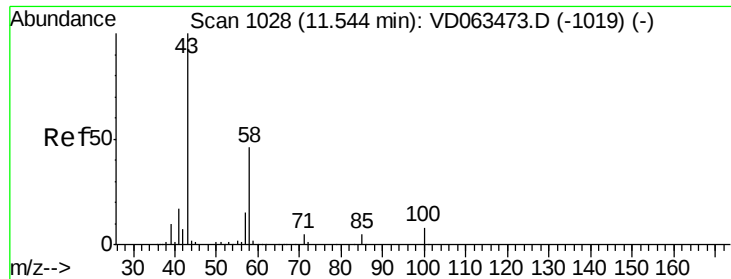
106 25.9 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

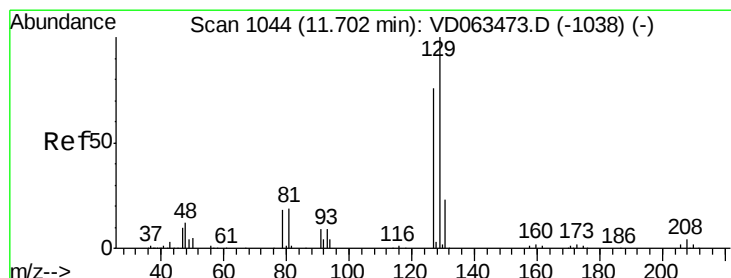
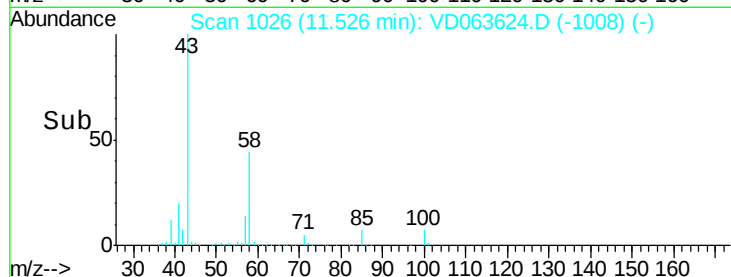
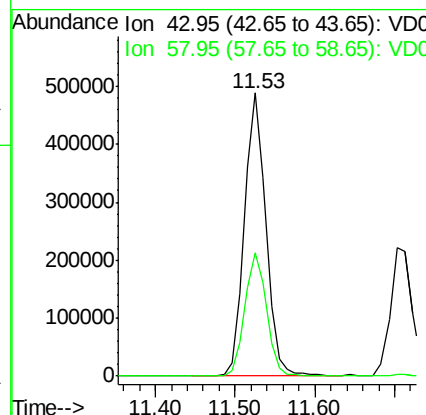
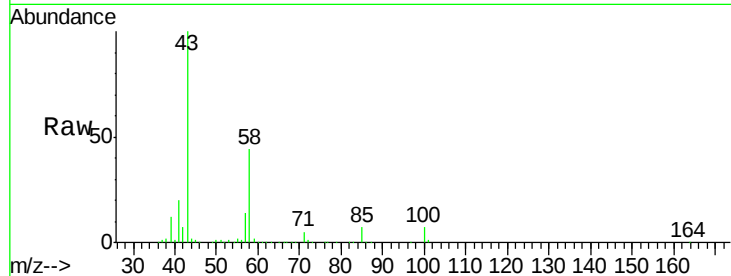




#59
2-Hexanone
Concen: 289.343 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

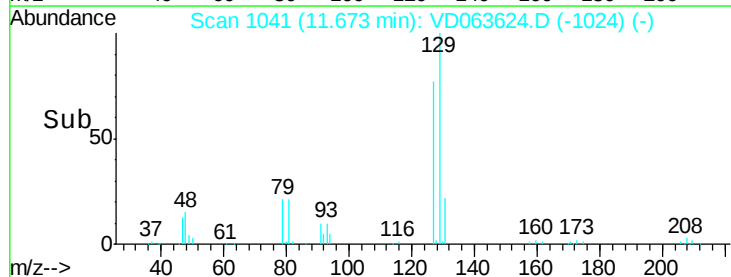
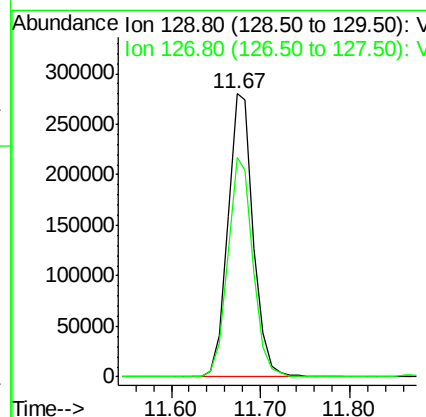
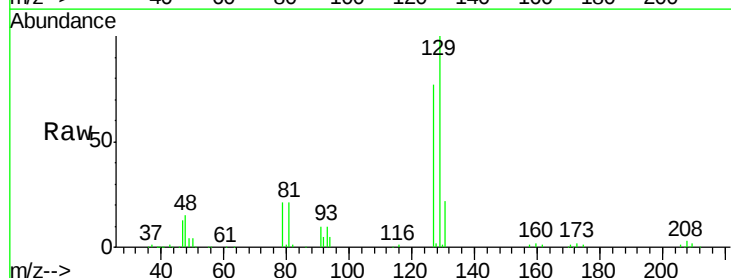
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

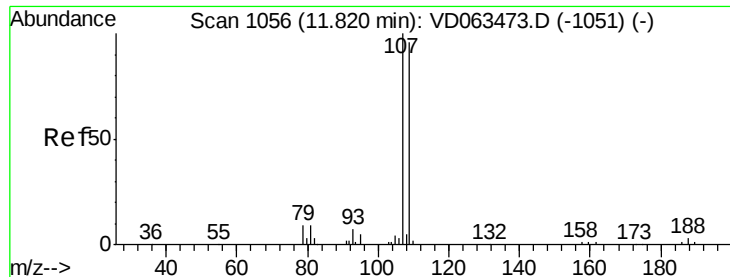
Tot Ion: 43 Resp: 912718
Ion Ratio Lower Upper
43 100
58 43.6 23.1 69.2



#60
Dibromochloromethane
Concen: 57.268 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 129 Resp: 563260
Ion Ratio Lower Upper
129 100
127 77.5 37.8 113.4

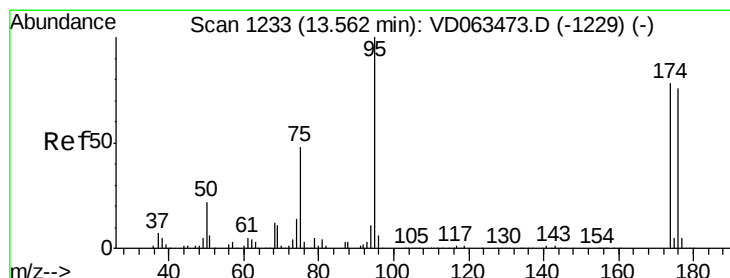
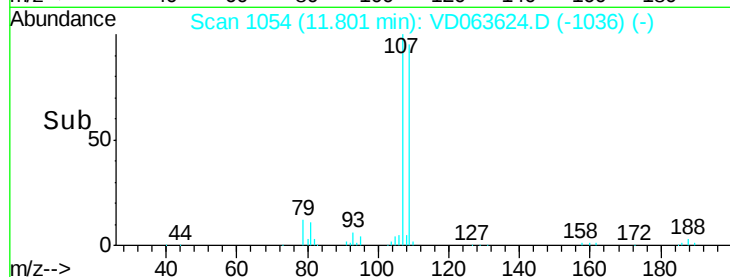
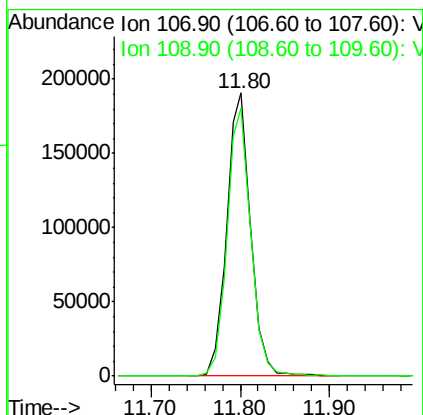
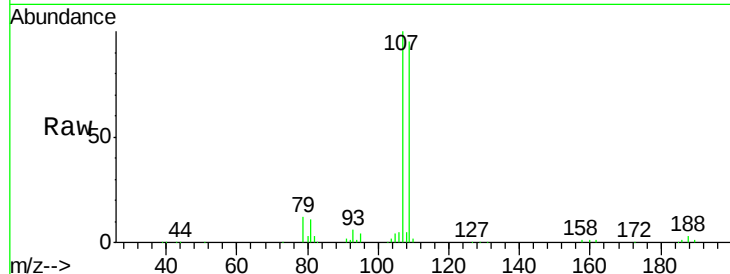




#61
 1,2-Dibromoethane
 Concen: 55.128 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

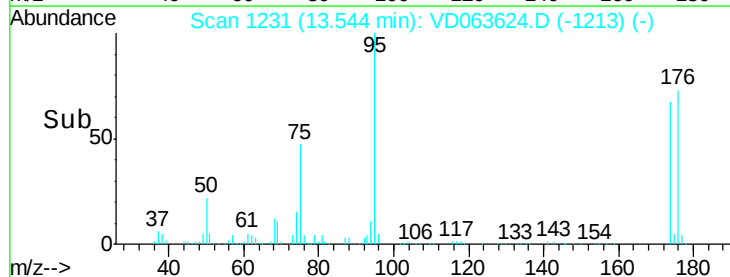
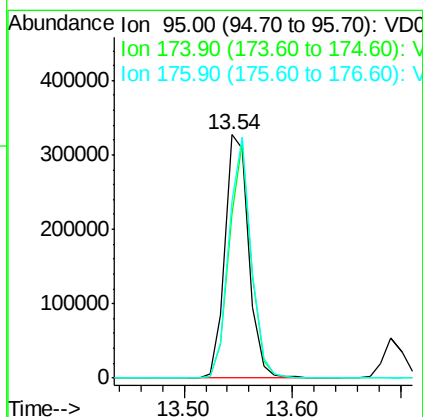
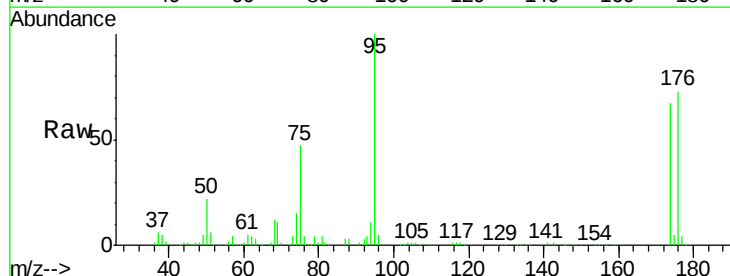
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

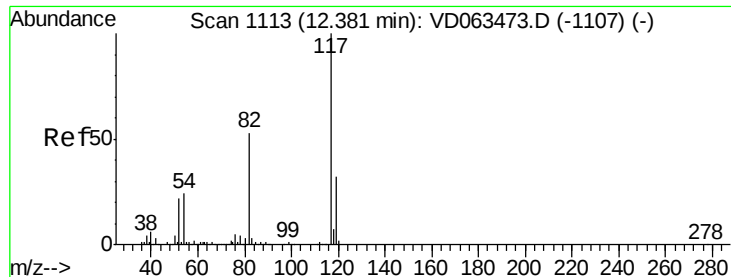
Tot Ion:107 Resp: 360722
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 46.717 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 95 Resp: 500672
 Ion Ratio Lower Upper
 95 100
 174 67.3 0.0 155.4
 176 72.7 0.0 152.4

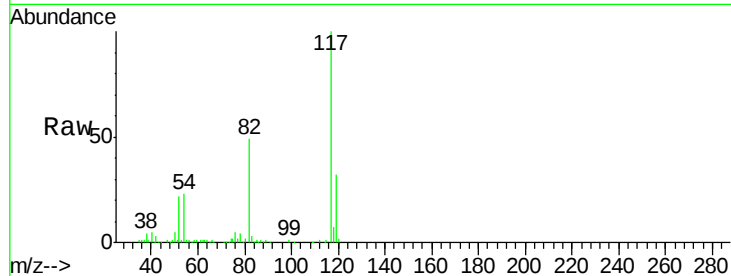




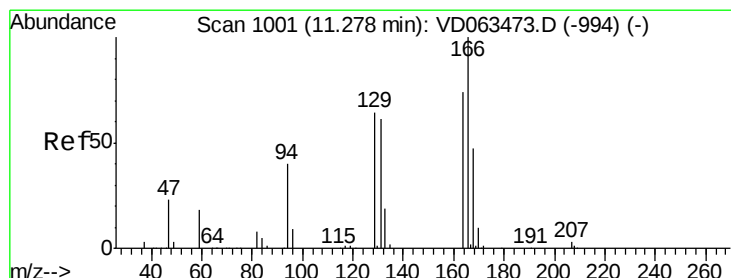
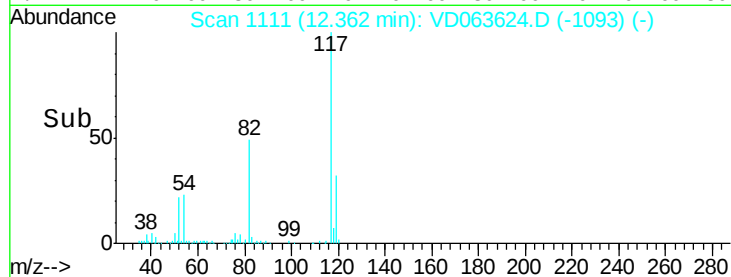
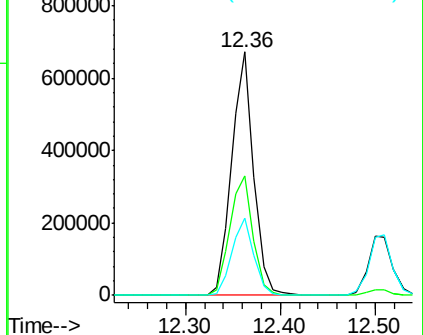
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1079556
Ion Ratio Lower Upper
117 100
82 49.3 42.0 63.0
119 31.7 25.4 38.0

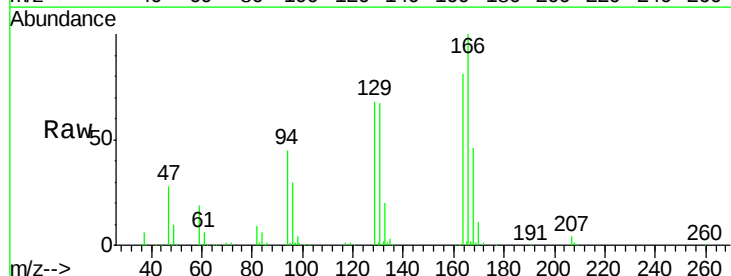


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

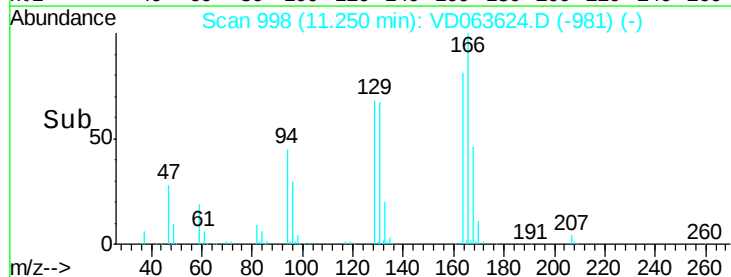
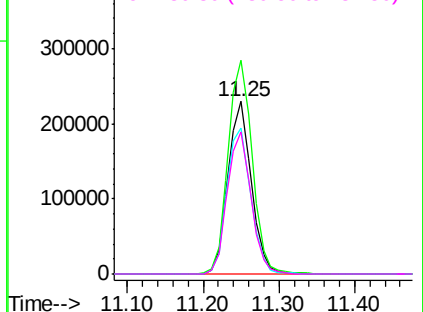


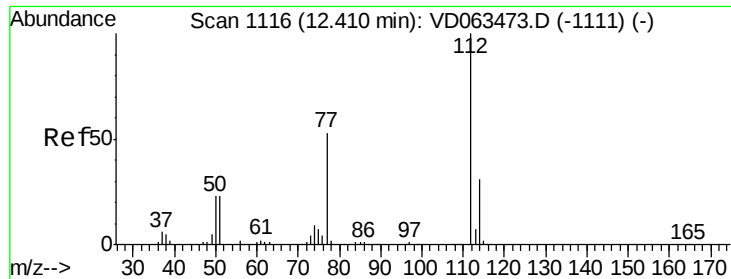
#64
Tetrachloroethene
Concen: 58.876 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.03 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion:164 Resp: 490666
Ion Ratio Lower Upper
164 100
166 123.9 108.6 163.0
129 84.4 69.0 103.6
131 82.6 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

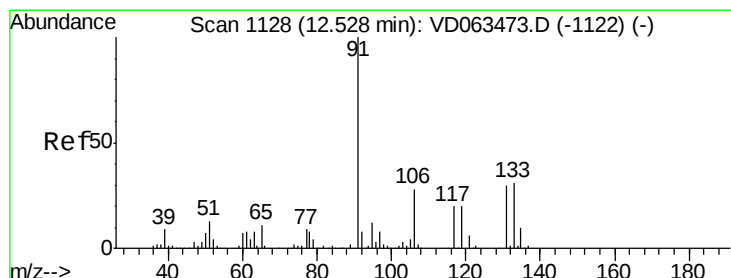
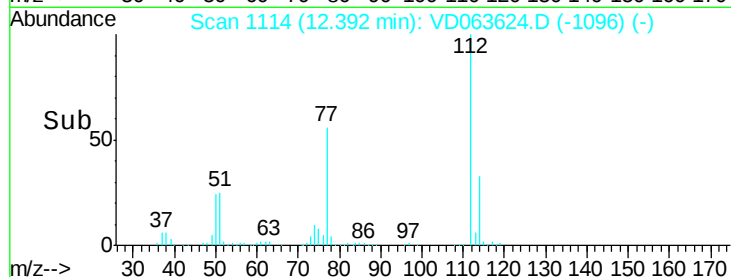
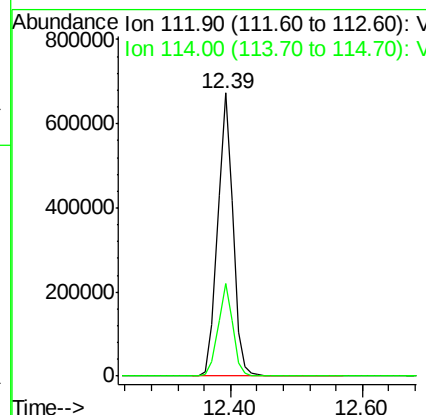
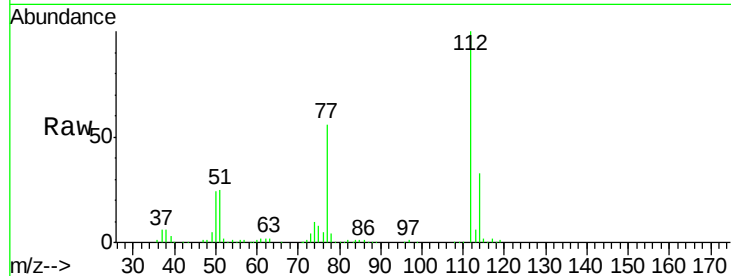




#65
Chlorobenzene
Concen: 52.754 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

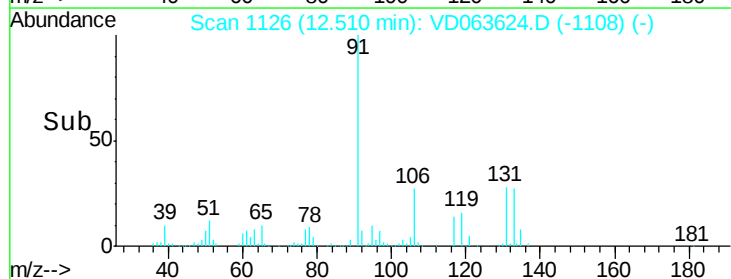
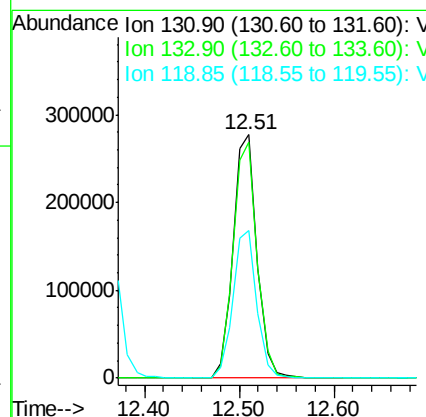
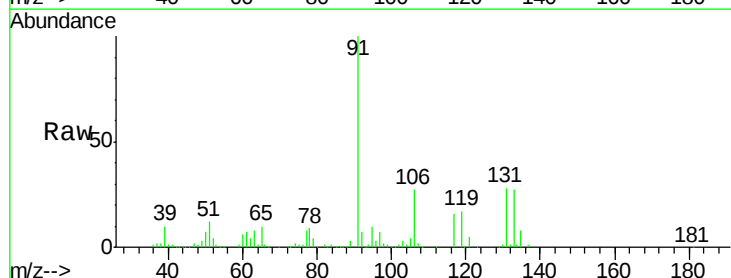
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1067397
Ion Ratio Lower Upper
112 100
114 32.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.059 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion:131 Resp: 481380
Ion Ratio Lower Upper
131 100
133 96.8 51.1 153.3
119 60.4 33.1 99.3

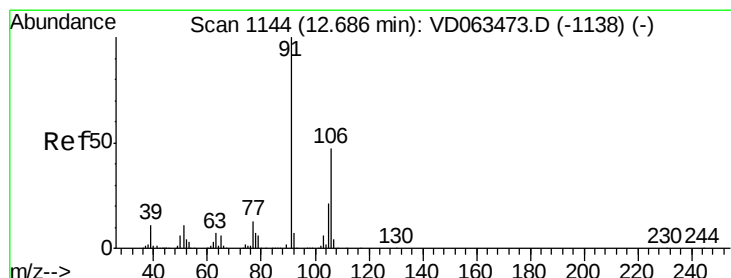
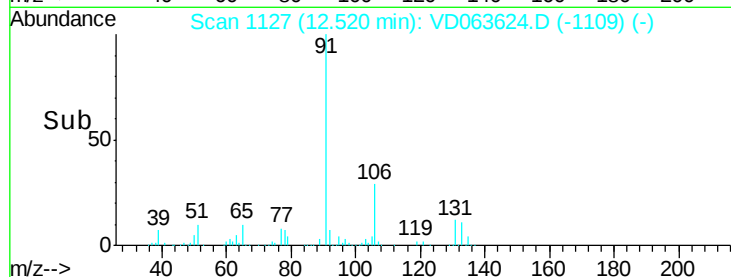
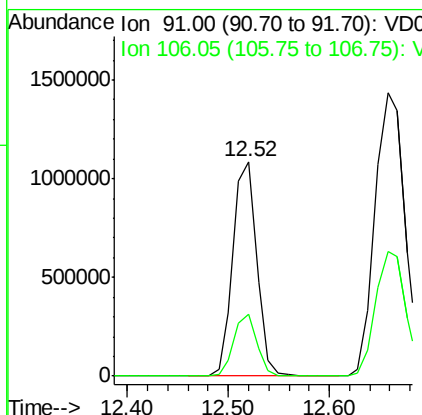
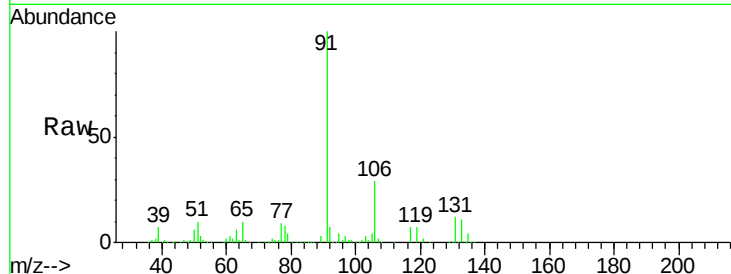




#67
Ethyl Benzene
Concen: 50.774 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

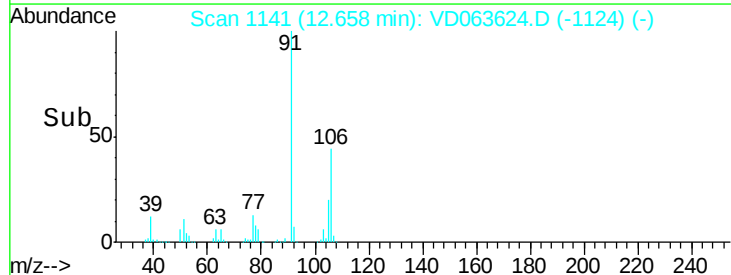
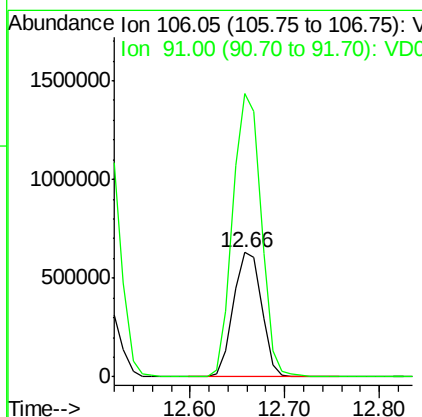
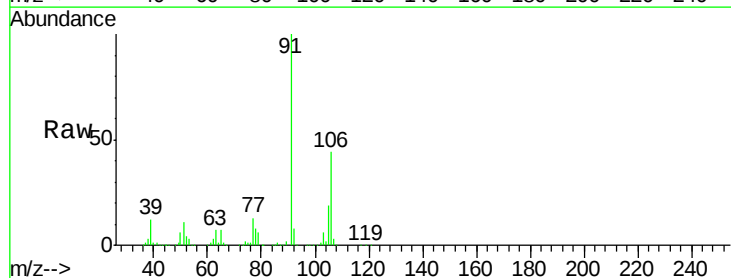
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

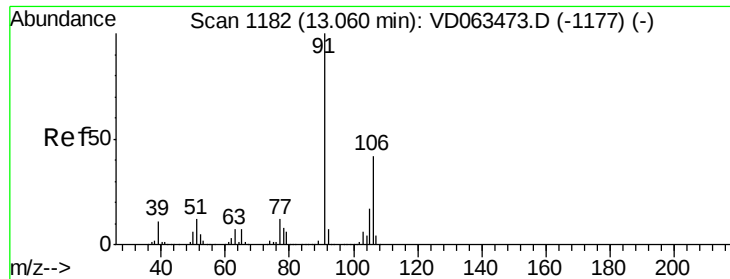
Tot Ion: 91 Resp: 1786278
Ion Ratio Lower Upper
91 100
106 28.8 23.1 34.7



#68
m/p-Xylenes
Concen: 105.758 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion: 106 Resp: 1307196
Ion Ratio Lower Upper
106 100
91 228.2 171.8 257.8

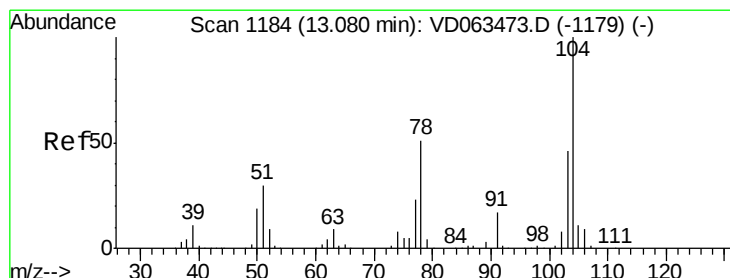
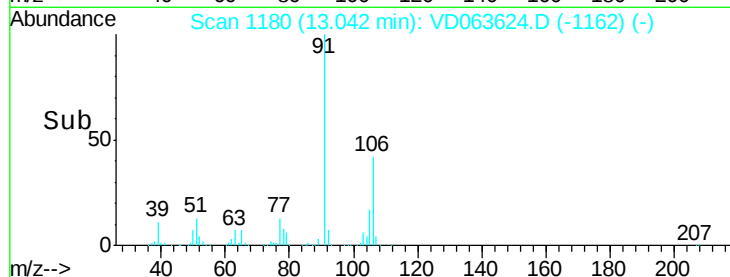
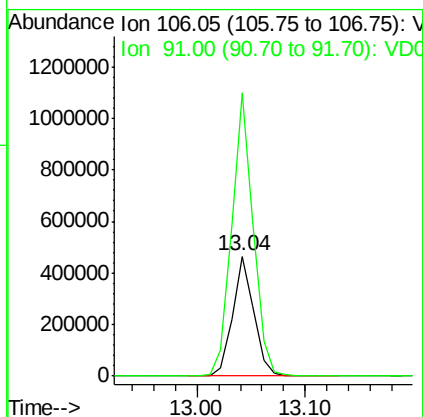
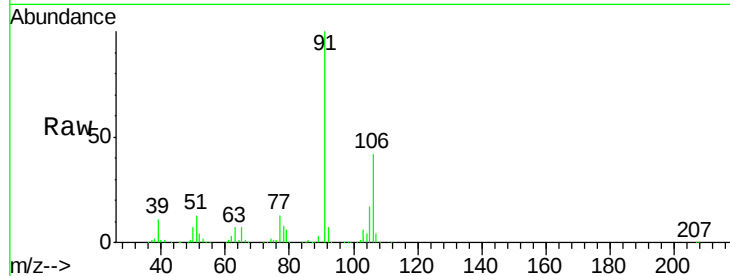




#69
o-Xylene
Concen: 53.268 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

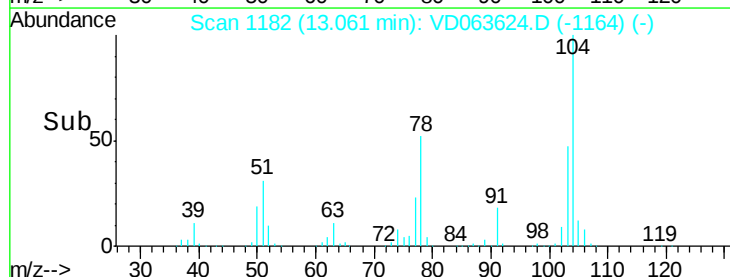
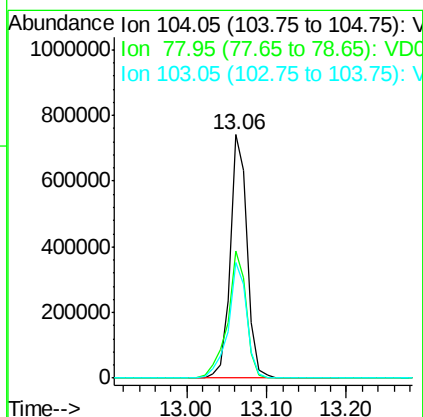
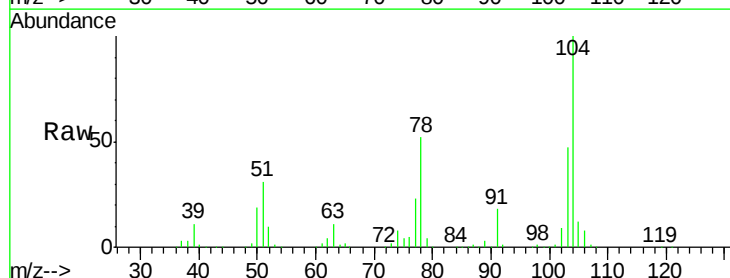
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

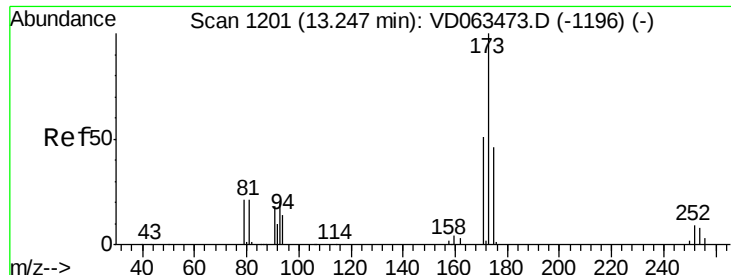
Tot Ion:106 Resp: 633692
Ion Ratio Lower Upper
106 100
91 236.4 118.1 354.2



#70
Styrene
Concen: 52.414 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion:104 Resp: 1109117
Ion Ratio Lower Upper
104 100
78 52.1 40.8 61.2
103 47.3 36.4 54.6

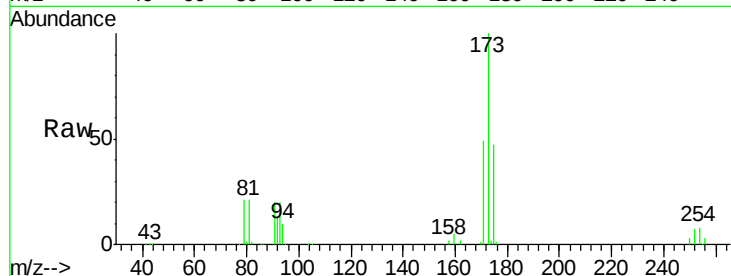




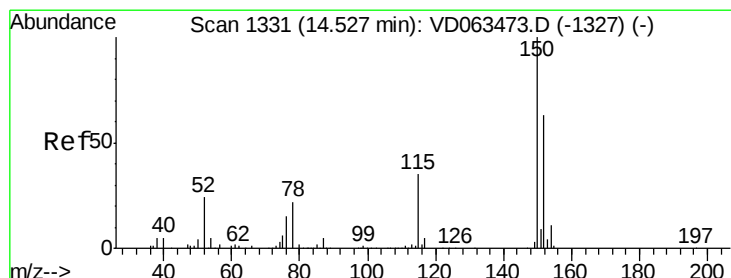
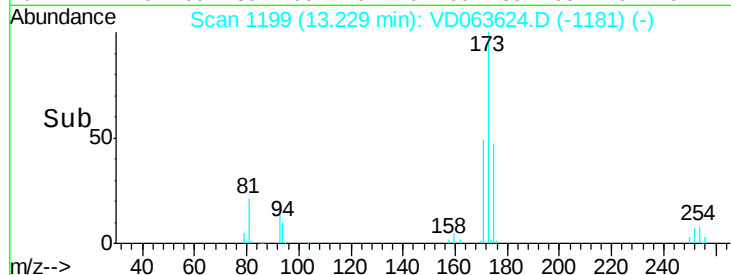
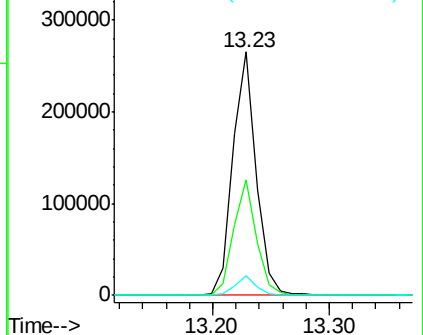
#71
Bromoform
Concen: 60.158 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 367316
Ion Ratio Lower Upper
173 100
175 47.4 22.8 68.3
254 8.0 6.6 9.8

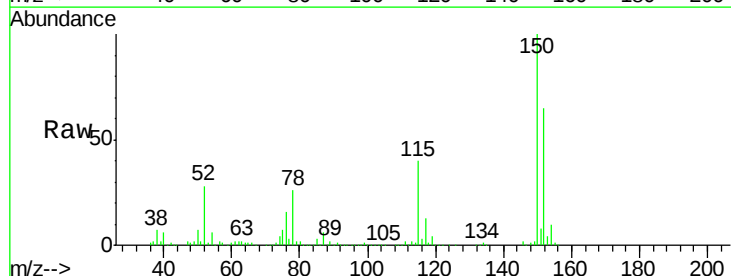


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

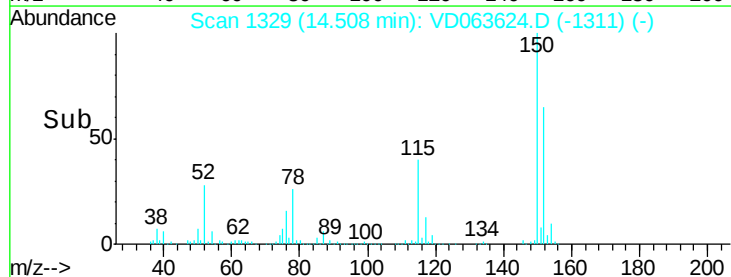
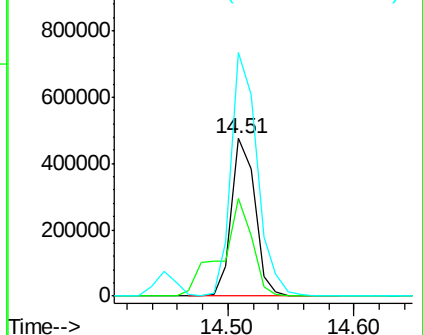


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion:152 Resp: 610410
Ion Ratio Lower Upper
152 100
115 62.0 30.9 92.7
150 154.7 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.761 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

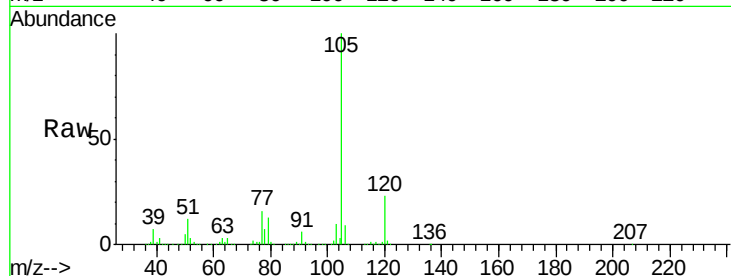
VSTDCCC050EC

Tot Ion:105 Resp: 1893179

Ion Ratio Lower Upper

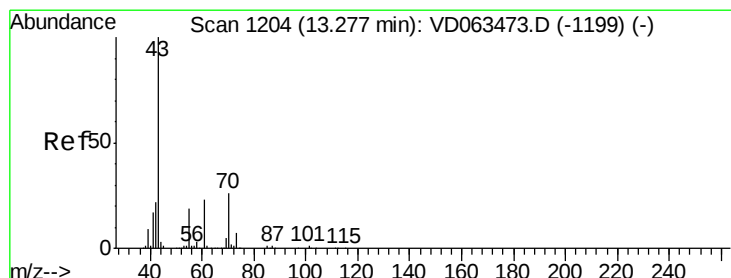
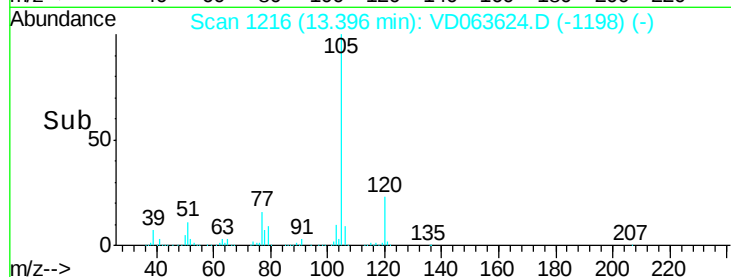
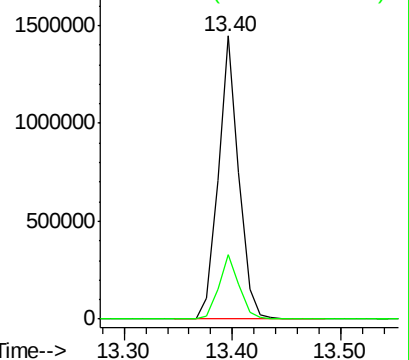
105 100

120 22.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.282 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Tgt Ion: 43 Resp: 529057

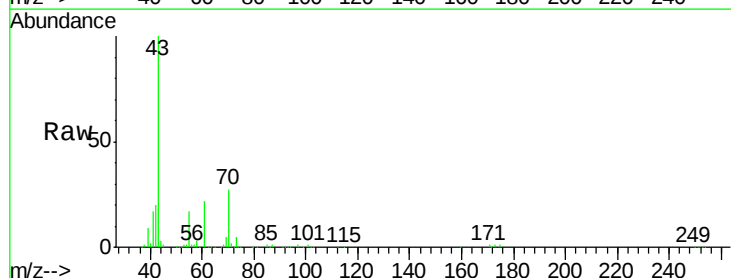
Ion Ratio Lower Upper

43 100

70 26.8 21.1 31.7

55 17.3 15.4 23.0

61 22.4 18.2 27.2

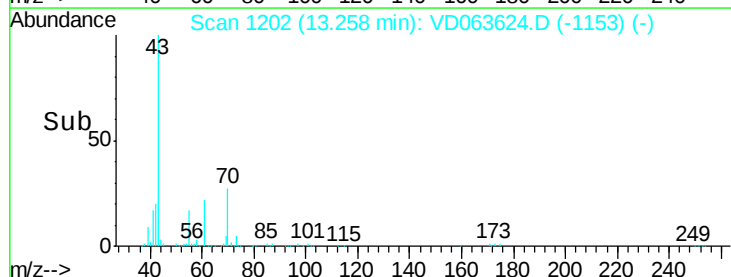
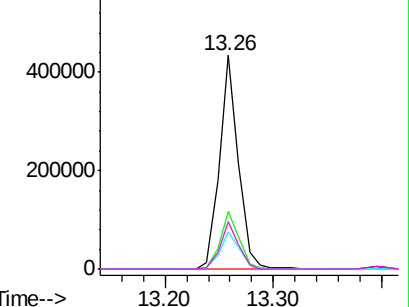


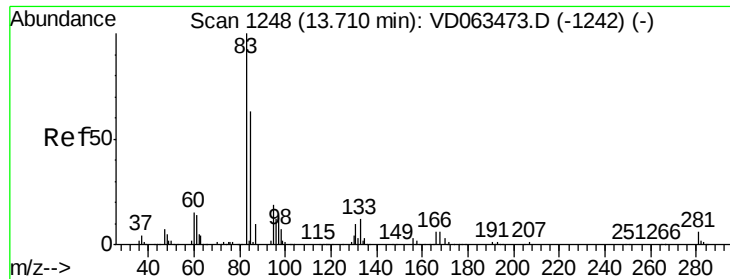
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 57.083 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

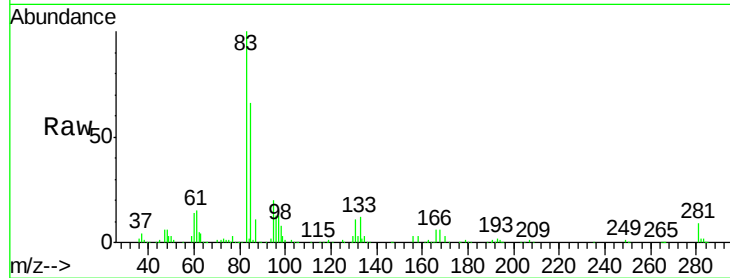
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 367858

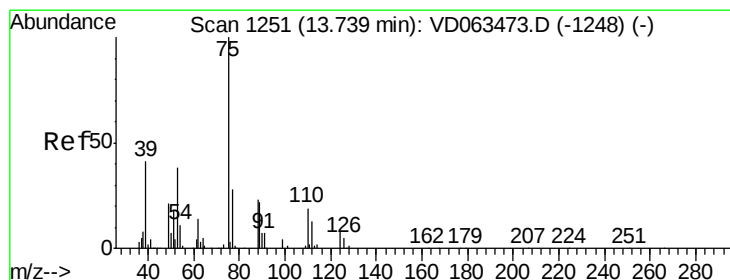
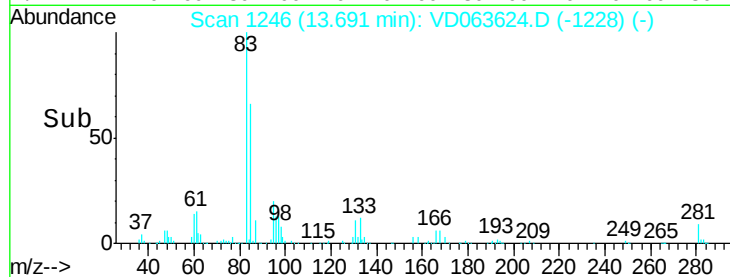
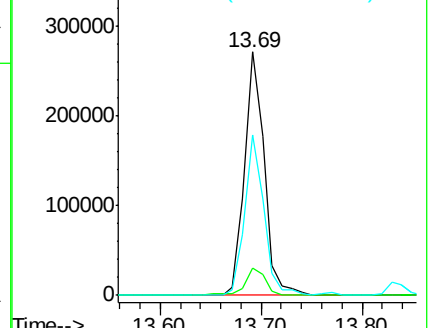
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.3	15.8
85	65.9	31.4	94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.289 ug/l

RT: 13.72 min Scan# 1249

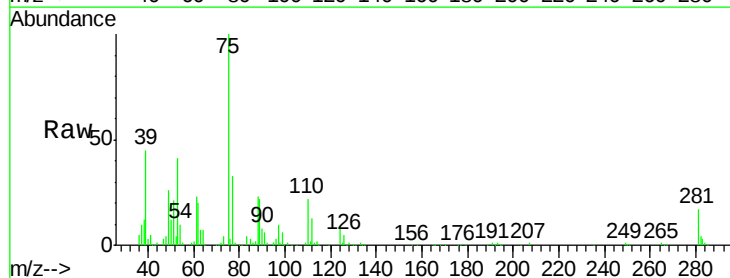
Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

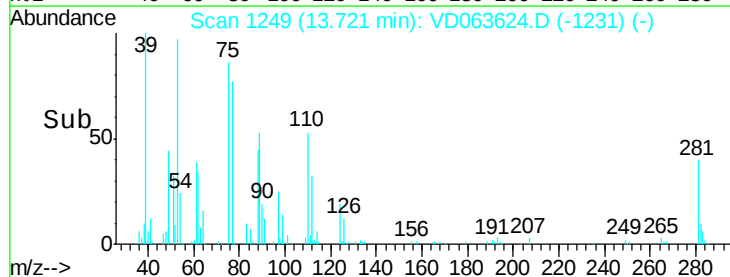
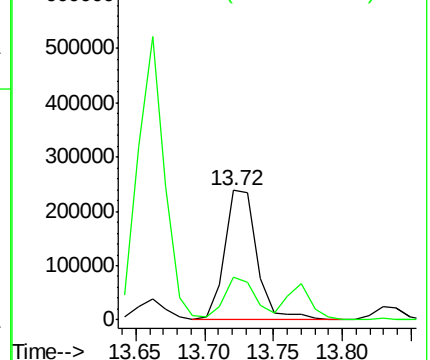
Tgt Ion: 75 Resp: 387327

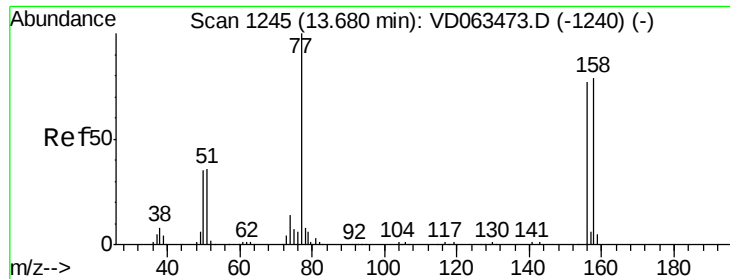
Ion	Ratio	Lower	Upper
75	100		
77	33.1	15.1	45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.519 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

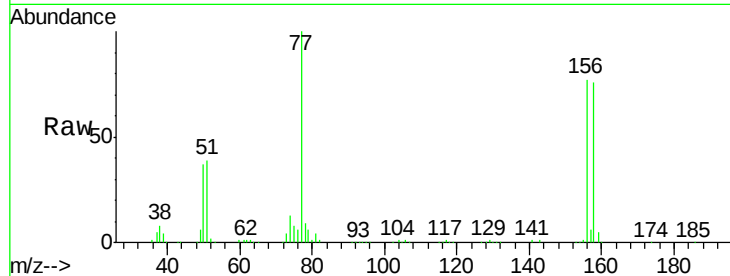
Tot Ion:156 Resp: 557290

Ion Ratio Lower Upper

156 100

77 129.6 64.6 193.8

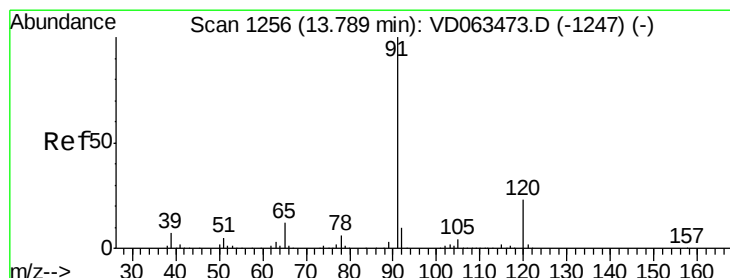
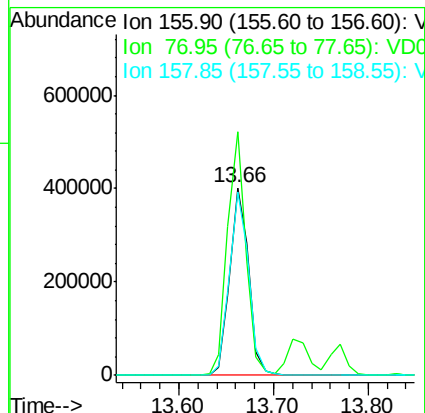
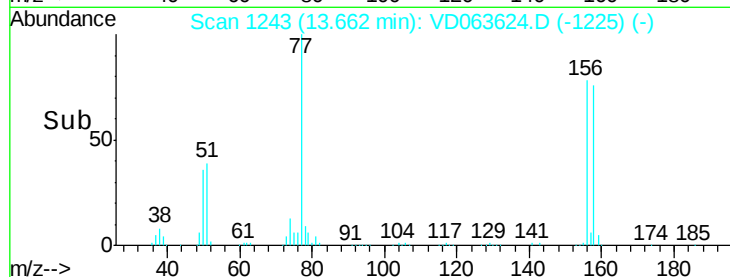
158 97.9 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.954 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063624.D

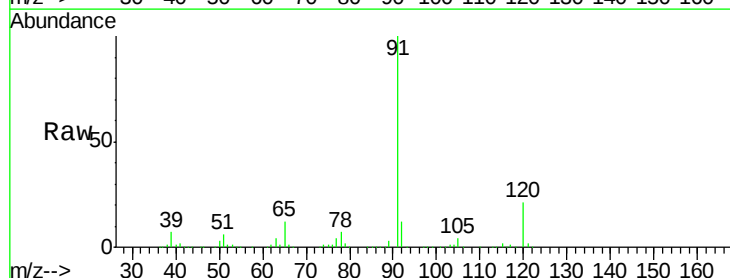
Acq: 15 Aug 2019 23:45

Tgt Ion: 91 Resp: 2087568

Ion Ratio Lower Upper

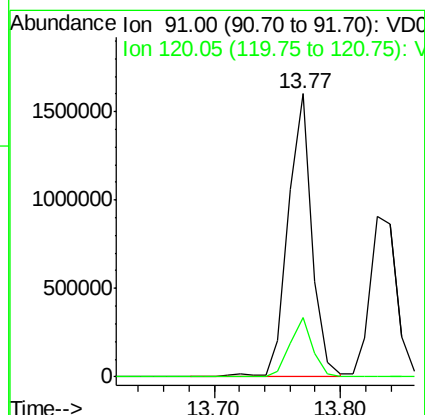
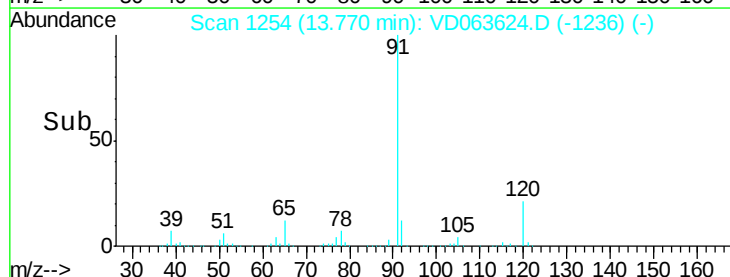
91 100

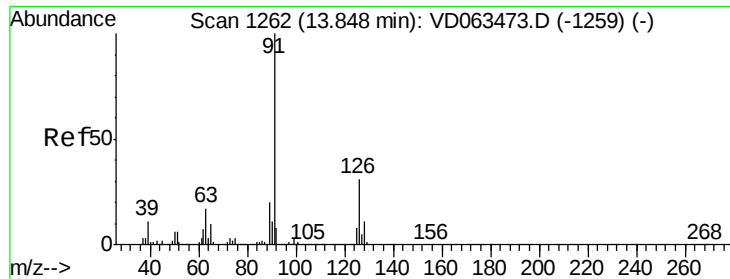
120 20.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

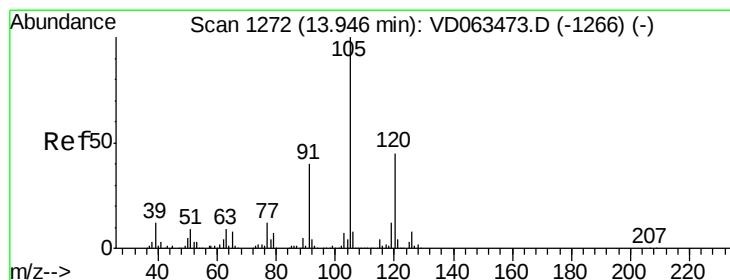
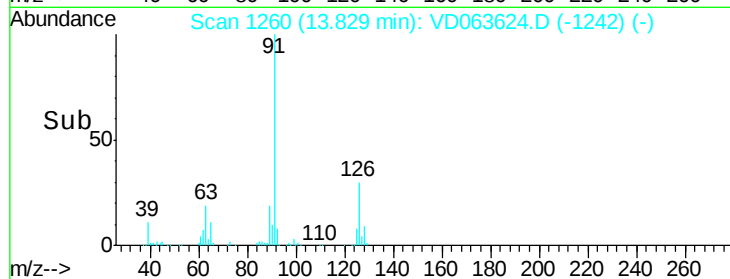
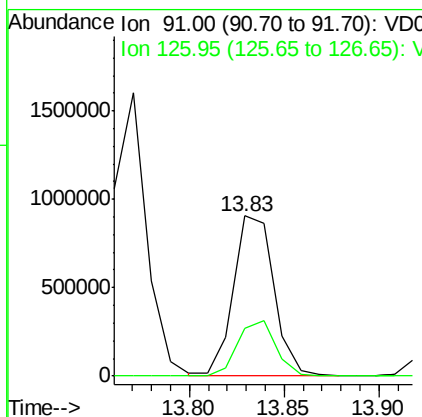
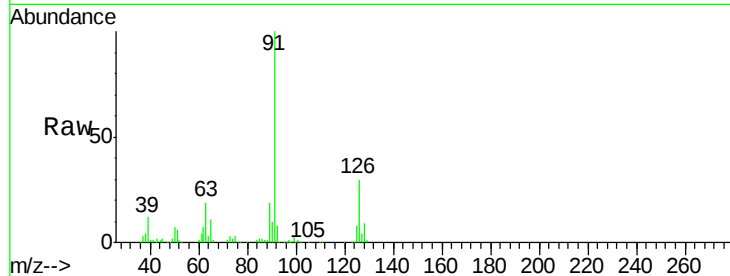




#79
 2-Chlorotoluene
 Concen: 51.112 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

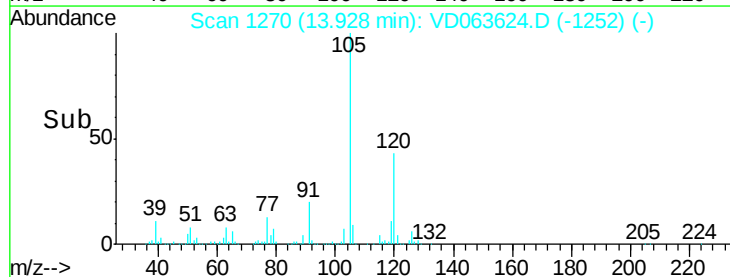
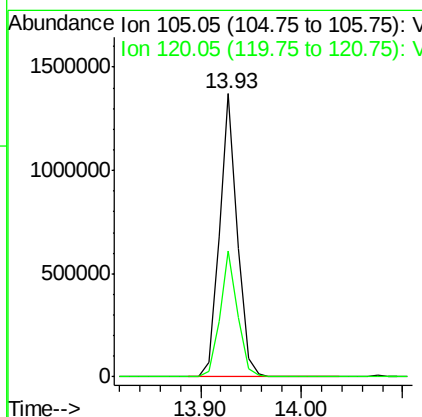
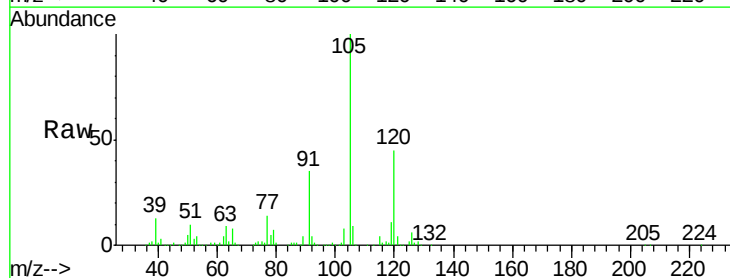
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

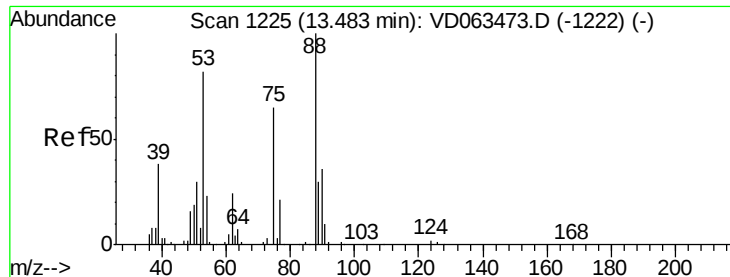
Tot Ion: 91 Resp: 1338749
 Ion Ratio Lower Upper
 91 100
 126 30.0 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 49.704 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion: 105 Resp: 1686129
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.865 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

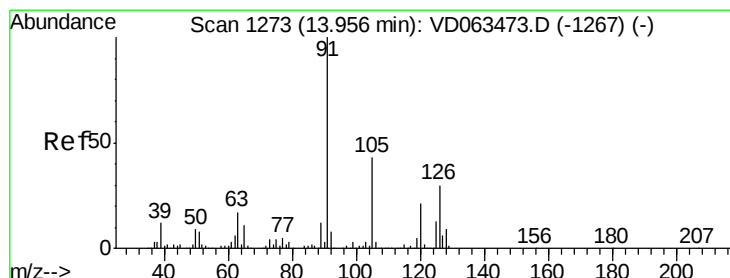
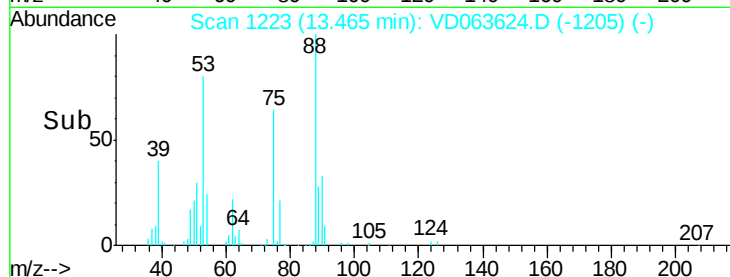
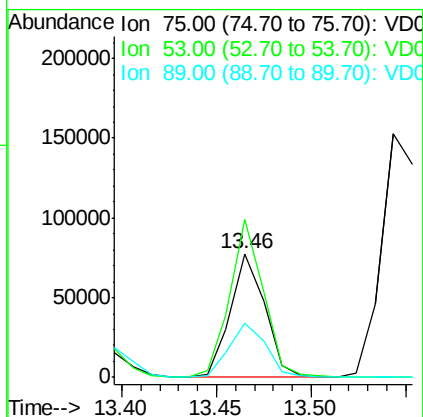
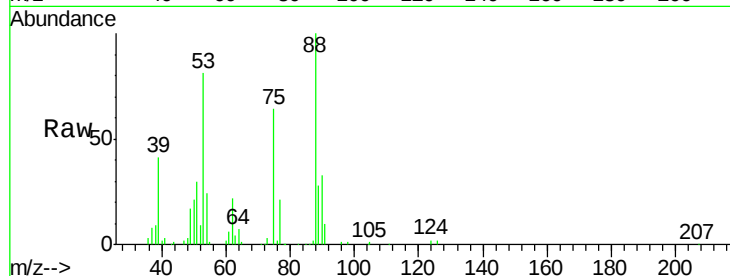
Tot Ion: 75 Resp: 97656

Ion Ratio Lower Upper

75 100

53 127.4 101.0 151.4

89 43.7 37.0 55.6



#82

4-Chlorotoluene

Concen: 49.271 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VD063624.D

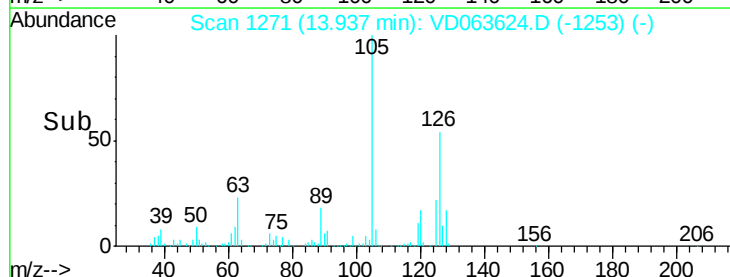
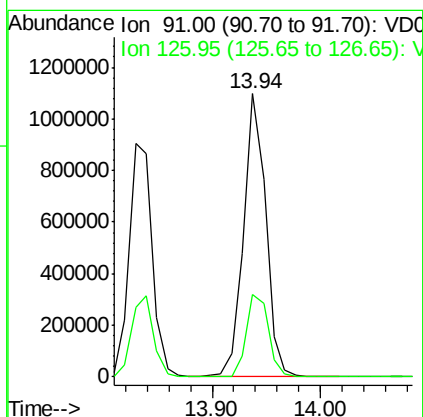
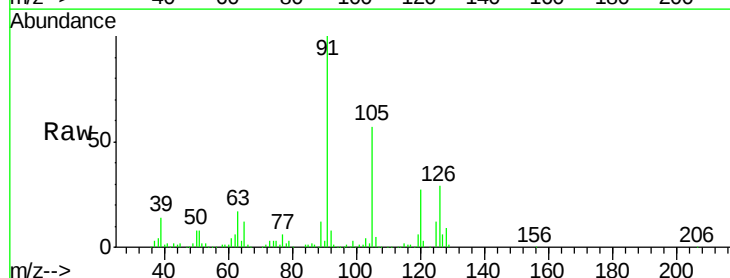
Acq: 15 Aug 2019 23:45

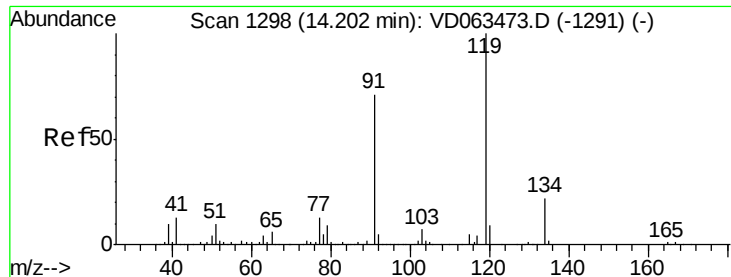
Tgt Ion: 91 Resp: 1551861

Ion Ratio Lower Upper

91 100

126 29.1 15.2 45.6

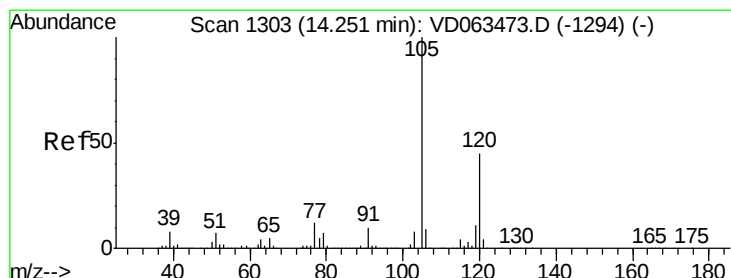
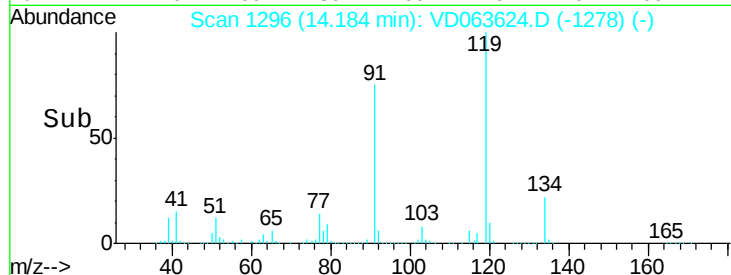
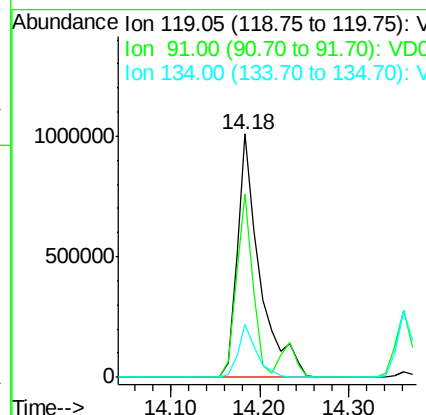
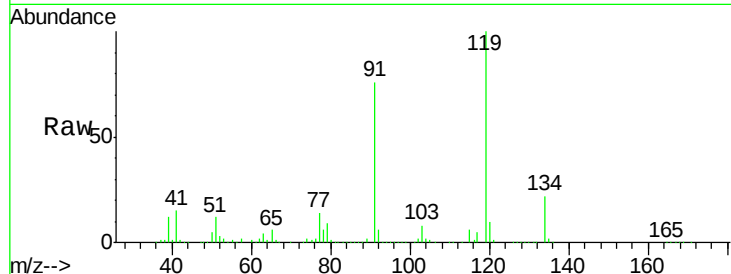




#83
tert-Butylbenzene
Concen: 50.141 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

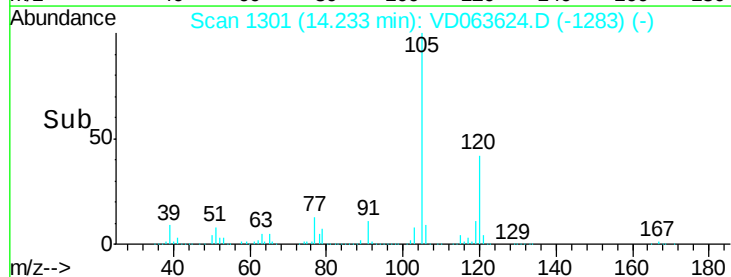
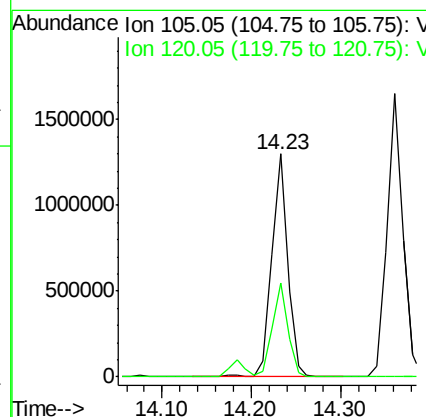
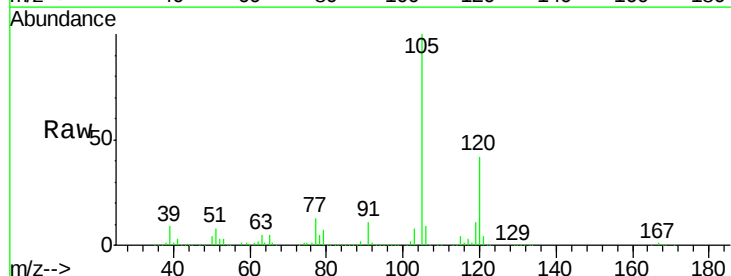
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

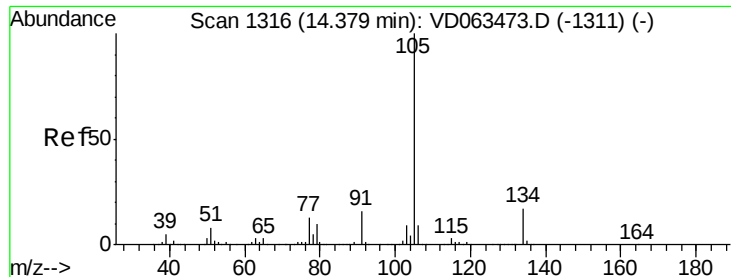
Tot Ion:119 Resp: 1791151
Ion Ratio Lower Upper
119 100
91 75.5 35.5 106.7
134 21.7 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 50.879 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion:105 Resp: 1596986
Ion Ratio Lower Upper
105 100
120 42.3 22.7 68.1

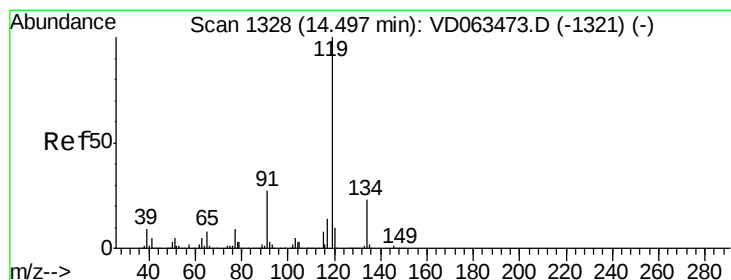
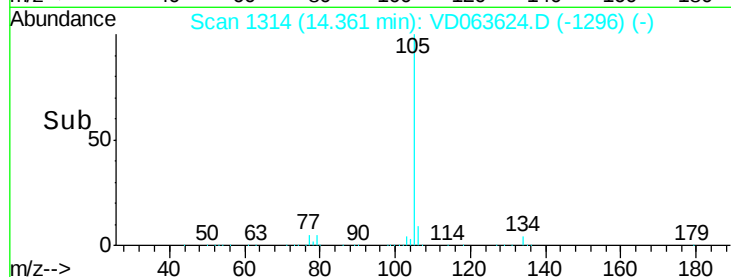
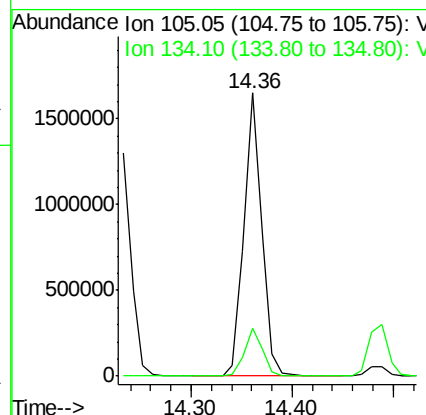
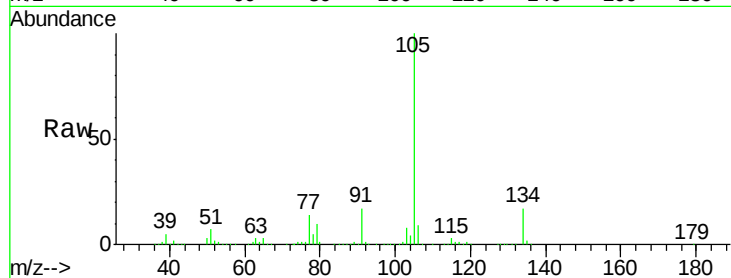




#85
 sec-Butylbenzene
 Concen: 53.231 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

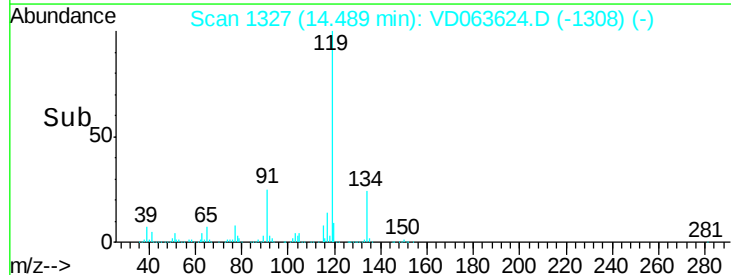
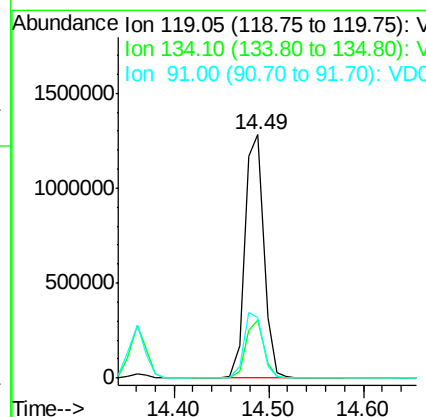
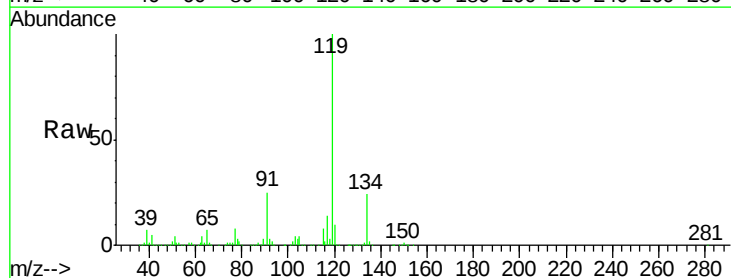
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

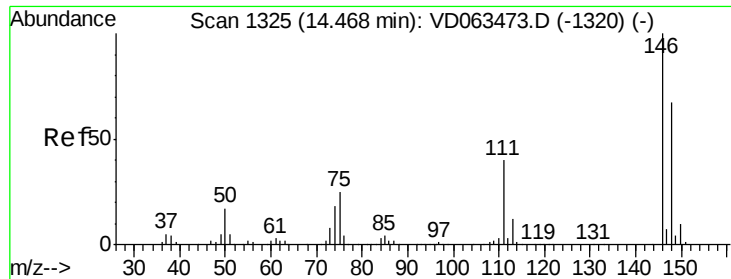
Tot Ion:105 Resp: 2019414
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 48.958 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion:119 Resp: 1775840
 Ion Ratio Lower Upper
 119 100
 134 23.6 11.3 33.8
 91 25.0 13.5 40.4

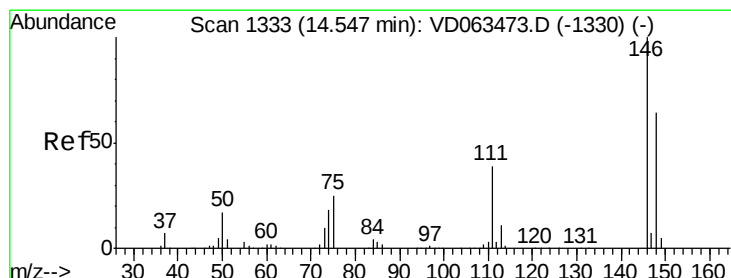
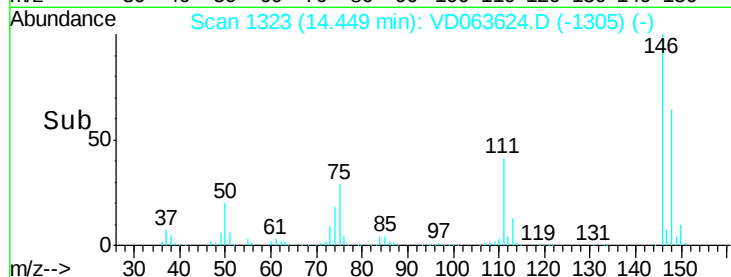
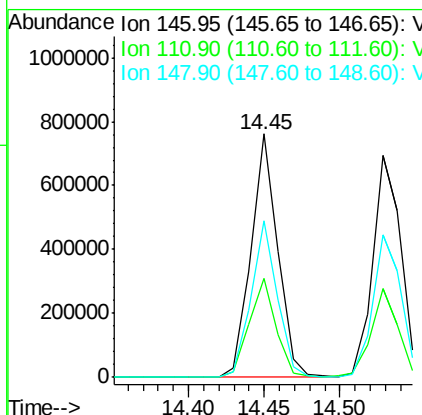
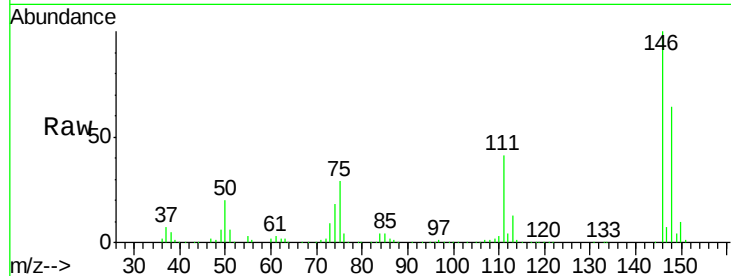




#87
 1,3-Dichlorobenzene
 Concen: 48.842 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

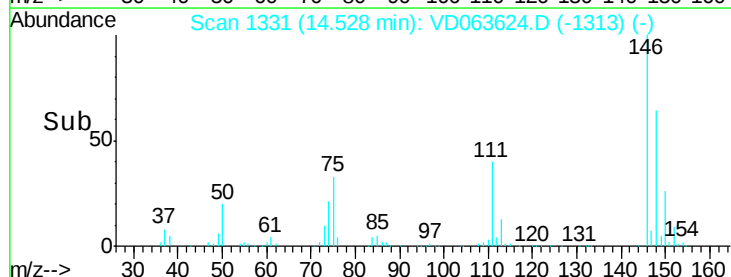
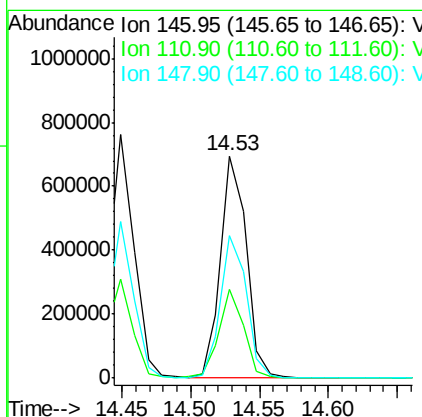
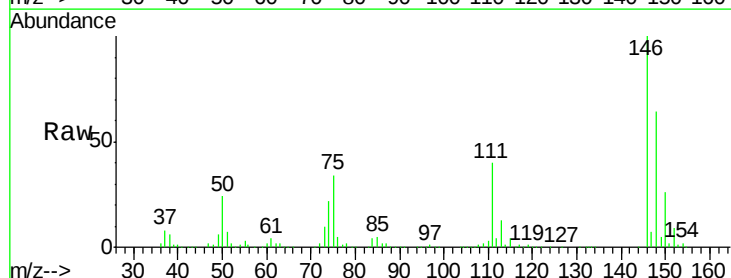
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

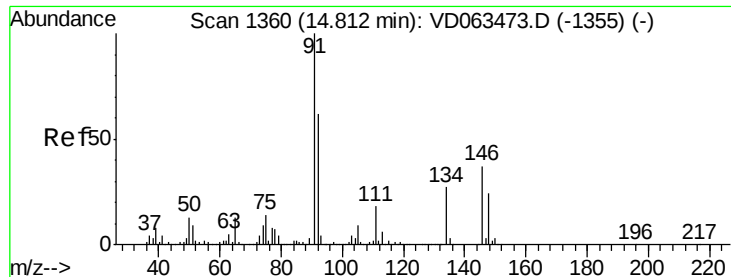
Tot Ion:146 Resp: 937439
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 64.4 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 49.034 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion:146 Resp: 902951
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.0
 148 64.3 32.1 96.3





#89

n-Butylbenzene

Concen: 49.908 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

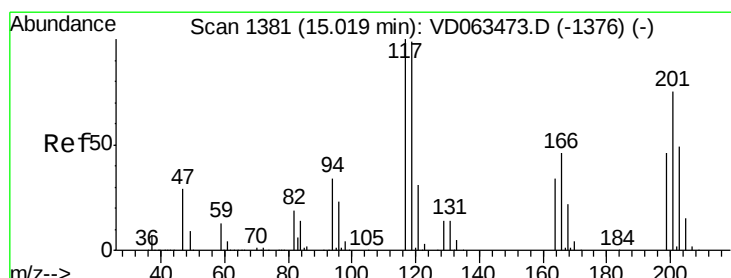
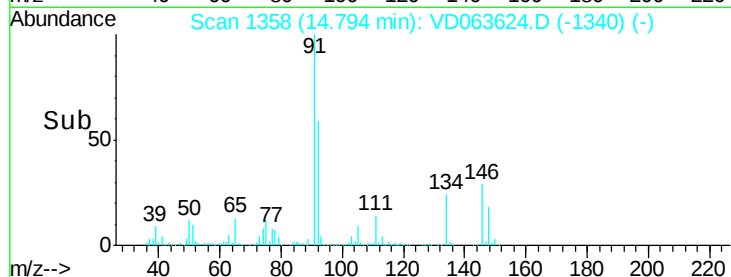
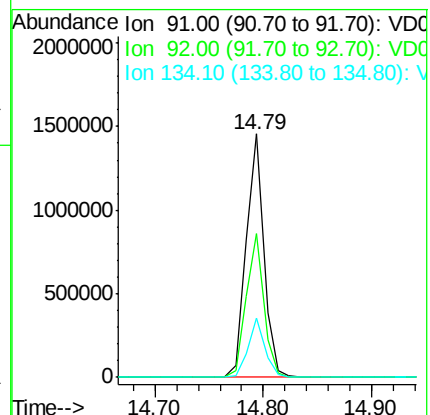
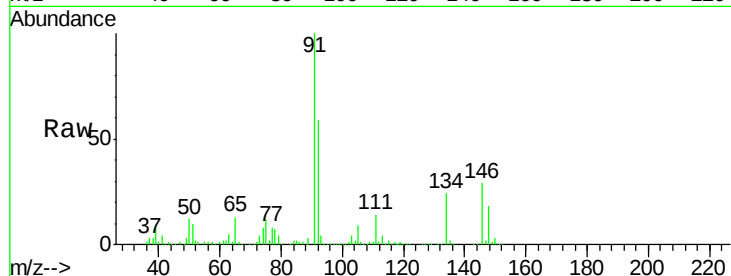
Tot Ion: 91 Resp: 1652215

Ion Ratio Lower Upper

91 100

92 59.3 30.8 92.3

134 24.4 13.4 40.2



#90

Hexachloroethane

Concen: 54.266 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD063624.D

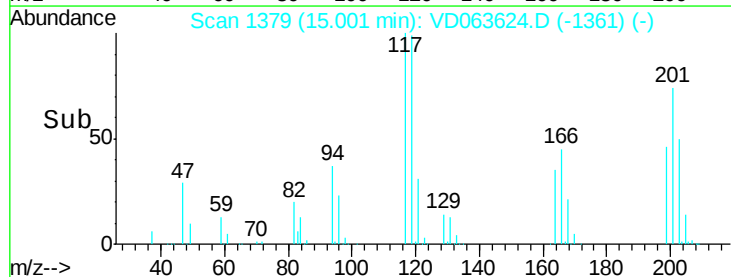
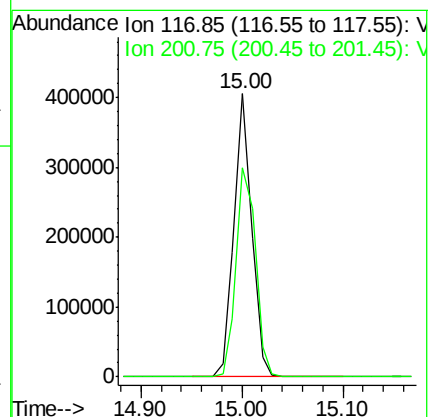
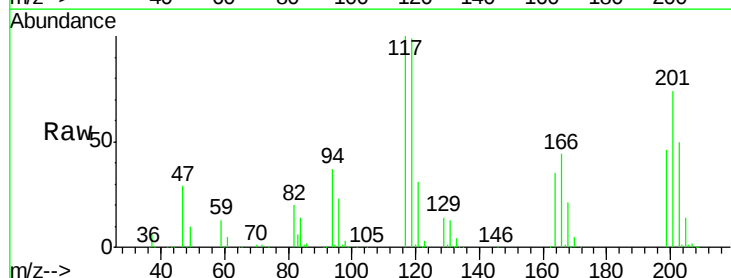
Acq: 15 Aug 2019 23:45

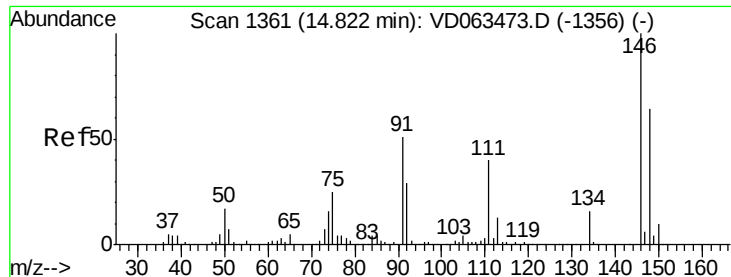
Tgt Ion: 117 Resp: 494748

Ion Ratio Lower Upper

117 100

201 73.8 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 50.938 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

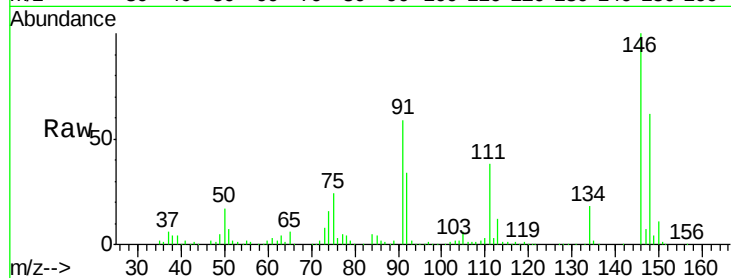
Tot Ion:146 Resp: 829485

Ion Ratio Lower Upper

146 100

111 37.8 20.2 60.6

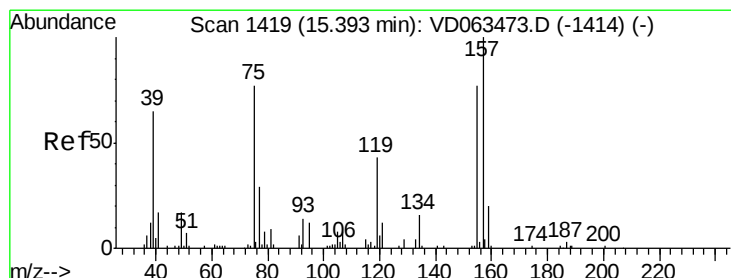
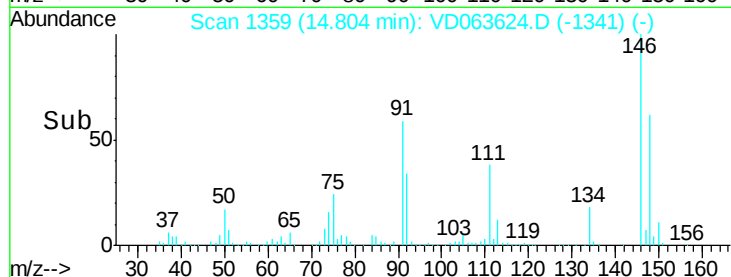
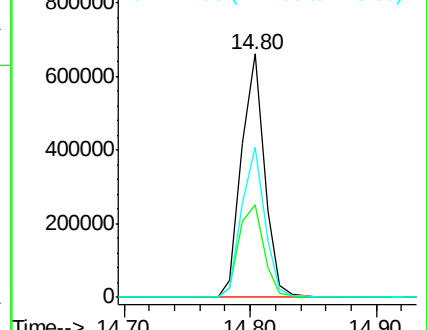
148 61.5 32.1 96.5



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: 53.622 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VD063624.D

Acq: 15 Aug 2019 23:45

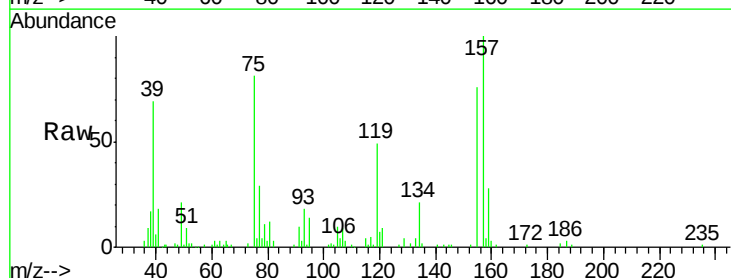
Tgt Ion: 75 Resp: 65066

Ion Ratio Lower Upper

75 100

155 94.1 50.1 150.3

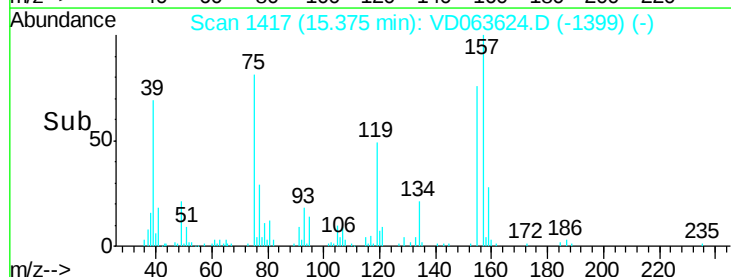
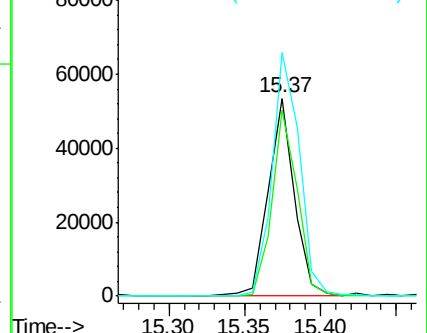
157 123.0 65.0 195.1

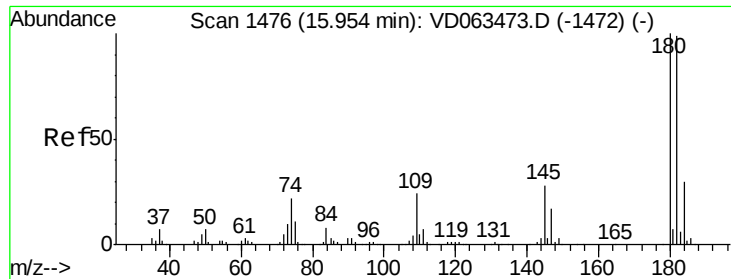


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

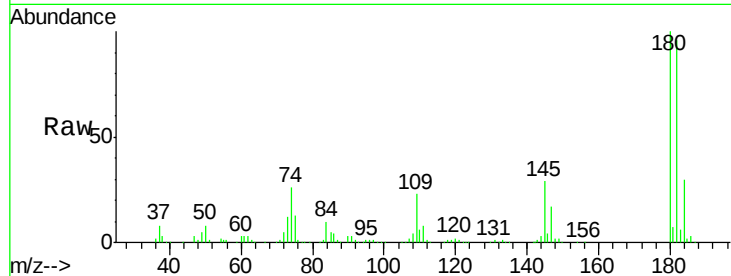




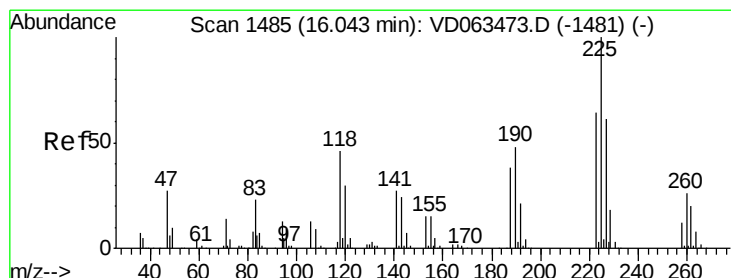
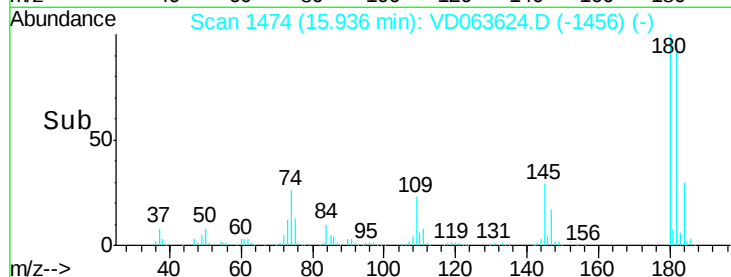
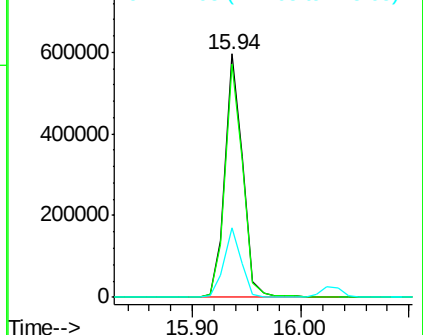
#93
 1,2,4-Trichlorobenzene
 Concen: 56.928 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 682132
 Ion Ratio Lower Upper
 180 100
 182 95.8 49.7 149.1
 145 28.7 14.1 42.2

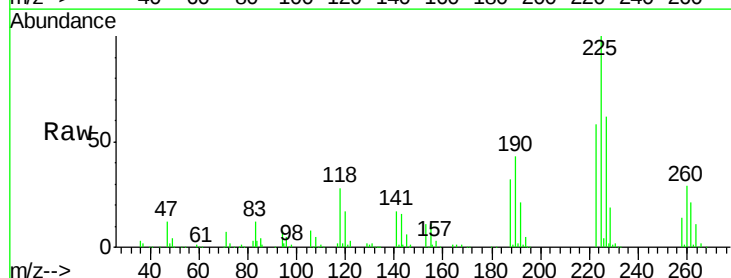


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

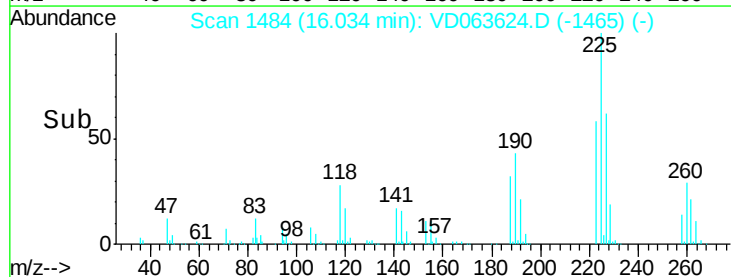
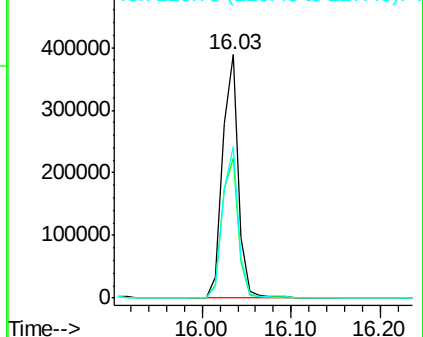


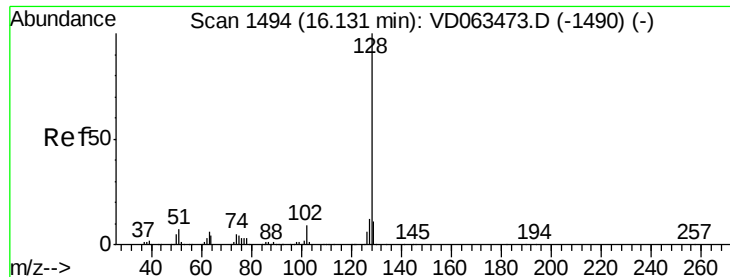
#94
 Hexachlorobutadiene
 Concen: 53.196 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063624.D
 Acq: 15 Aug 2019 23:45

Tgt Ion:225 Resp: 485797
 Ion Ratio Lower Upper
 225 100
 223 57.5 31.9 95.5
 227 62.1 30.7 92.1



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

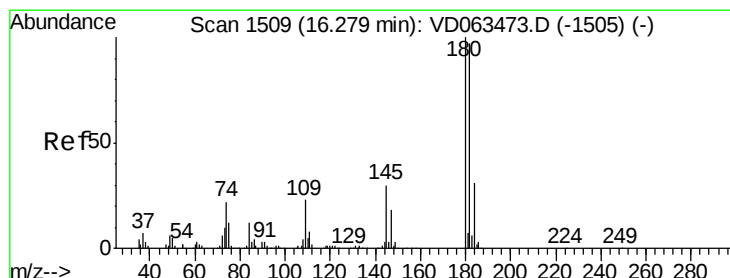
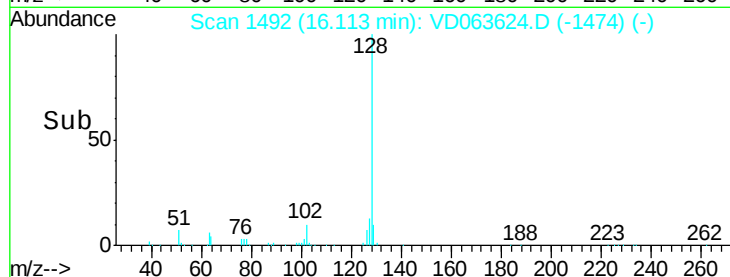
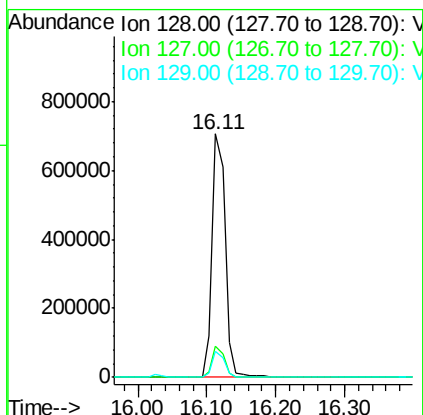
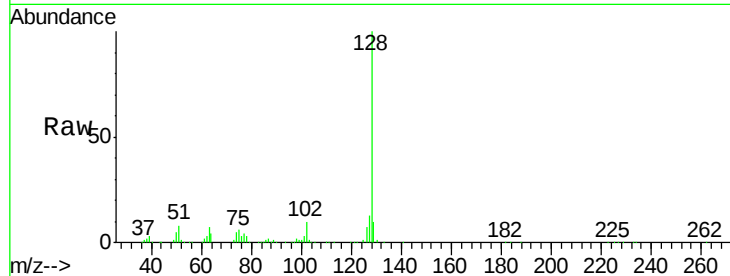




#95
Naphthalene
Concen: 51.649 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 937918
Ion Ratio Lower Upper
128 100
127 12.6 9.4 14.0
129 10.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.455 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VD063624.D
Acq: 15 Aug 2019 23:45

Tgt Ion:180 Resp: 507660
Ion Ratio Lower Upper
180 100
182 94.1 48.4 145.2
145 30.4 14.9 44.9

