

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063593.D
 Acq On : 14 Aug 2019 23:56
 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 15 12:04:21 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	7.05	168	939304	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1411583	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1208073	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	608619	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	558262	55.60	ug/l	-0.02
Spiked Amount			Recovery	=	111.20%	
35) Dibromofluoromethane	6.92	113	596966	50.21	ug/l	-0.02
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.40	98	1400563	53.58	ug/l	-0.02
Spiked Amount			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	13.55	95	579284	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	513923	45.224	ug/l	99
3) Chloromethane	1.75	50	419465	47.244	ug/l	96
4) Vinyl Chloride	1.85	62	409872	46.502	ug/l	97
5) Bromomethane	2.14	94	208744	50.192	ug/l #	92
6) Chloroethane	2.26	64	225399	55.922	ug/l	93
7) Trichlorofluoromethane	2.53	101	881935	51.012	ug/l	99
8) Diethyl Ether	2.87	74	136321	55.847	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.14	101	516856	50.629	ug/l	96
10) Methyl Iodide	3.30	142	786874	54.477	ug/l	97
11) Tert butyl alcohol	4.07	59	135095	309.085	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	391116	51.531	ug/l	98
13) Acrolein	3.03	56	107504	249.879	ug/l	94
14) Allyl chloride	3.61	41	610785	53.531	ug/l	95
15) Acrylonitrile	4.19	53	349528	301.910	ug/l	96
16) Acetone	3.22	43	515572	252.605	ug/l	94
17) Carbon Disulfide	3.36	76	1171256	48.896	ug/l	99
18) Methyl Acetate	3.64	43	215739	55.805	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	923960	60.871	ug/l	95
20) Methylene Chloride	3.81	84	447123	50.662	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	434159	54.358	ug/l	97
22) Diisopropyl ether	5.12	45	1360353	57.778	ug/l	96
23) Vinyl Acetate	5.06	43	4180079	305.387	ug/l	99
24) 1,1-Dichloroethane	4.98	63	806926	55.257	ug/l	99
25) 2-Butanone	6.07	43	580124	287.790	ug/l	93
26) 2,2-Dichloropropane	6.02	77	708482	48.709	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	481979	55.155	ug/l	97
28) Bromochloromethane	6.44	49	321844	54.380	ug/l	87
29) Tetrahydrofuran	6.46	42	289011	307.686	ug/l	99
30) Chloroform	6.66	83	973136	53.612	ug/l	97
31) Cyclohexane	6.95	56	448017	49.419	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	909059	52.355	ug/l	98
36) 1,1-Dichloropropene	7.14	75	630342	50.513	ug/l	95
37) Ethyl Acetate	6.18	43	286187	54.731	ug/l	97
38) Carbon Tetrachloride	7.10	117	950356	50.532	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	499753	47.097	ug/l	99
40) Benzene	7.45	78	1392345	50.702	ug/l	96
41) Methacrylonitrile	6.45	41	388112	58.949	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	725219	52.521	ug/l	99
43) Isopropyl Acetate	9.24	43	396611	56.632	ug/l #	94
44) Trichloroethene	8.53	130	527687	50.274	ug/l	98
45) 1,2-Dichloropropane	8.94	63	340431	53.233	ug/l	99
46) Dibromomethane	9.06	93	304889	55.827	ug/l	96
47) Bromodichloromethane	9.37	83	775446	55.355	ug/l	97
48) Methyl methacrylate	9.12	41	266706	56.155	ug/l	95
49) 1,4-Dioxane	9.08	88	43037	1014.374	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	1375103	286.950	ug/l	99
52) Toluene	10.51	92	898015	50.771	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	605388	52.953	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	683099	52.990	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	326272	54.608	ug/l	97
56) Ethyl methacrylate	11.04	69	369725	57.012	ug/l	97
57) 1,3-Dichloropropane	11.41	76	494469	54.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	947596	276.778	ug/l	100
59) 2-Hexanone	11.53	43	1017145	291.706	ug/l	95
60) Dibromochloromethane	11.68	129	603206	55.482	ug/l	96
61) 1,2-Dibromoethane	11.80	107	397368	54.938	ug/l	99
64) Tetrachloroethene	11.26	164	494820	53.058	ug/l	94
65) Chlorobenzene	12.40	112	1161243	51.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	508500	51.030	ug/l	96
67) Ethyl Benzene	12.52	91	1918834	48.739	ug/l	99
68) m/p-Xylenes	12.67	106	1384969	100.131	ug/l	95
69) o-Xylene	13.05	106	689856	51.820	ug/l	93
70) Styrene	13.07	104	1200600	50.701	ug/l	98
71) Bromoform	13.24	173	390232	57.112	ug/l	98
73) Isopropylbenzene	13.41	105	1957784	50.574	ug/l	99
74) N-amyl acetate	13.27	43	577479	59.425	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	395461	61.547	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	372065	53.267	ug/l	90
77) Bromobenzene	13.67	156	564177	53.325	ug/l	84
78) n-propylbenzene	13.77	91	2124572	46.906	ug/l	95
79) 2-Chlorotoluene	13.84	91	1354177	51.853	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	1721618	50.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	103758	55.268	ug/l	89
82) 4-Chlorotoluene	13.95	91	1667741	53.106	ug/l	96
83) tert-Butylbenzene	14.19	119	1974740	55.443	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1790627	57.216	ug/l	93
85) sec-Butylbenzene	14.37	105	1865030	49.307	ug/l	99
86) p-Isopropyltoluene	14.49	119	1884851	52.116	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	980704	51.246	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	994968	54.190	ug/l	98
89) n-Butylbenzene	14.79	91	1622123	49.143	ug/l	92
90) Hexachloroethane	15.01	117	490835	53.995	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	856387	52.745	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	67993	56.199	ug/l	64

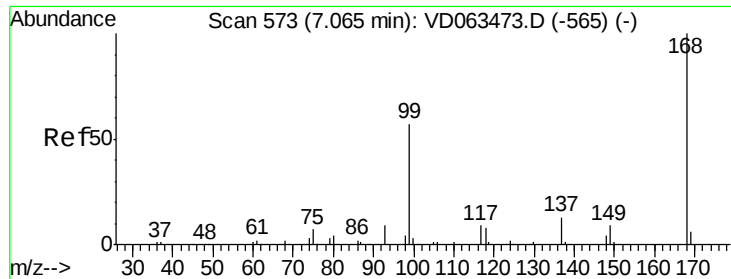
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	605384	50.671	ug/l	98
94) Hexachlorobutadiene	16.03	225	482996	53.045	ug/l	99
95) Naphthalene	16.12	128	1001210	55.297	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	526504	54.562	ug/l	99

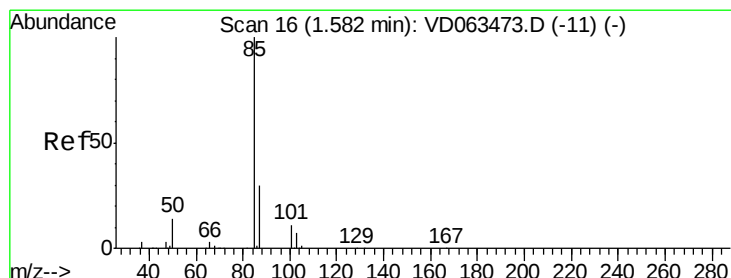
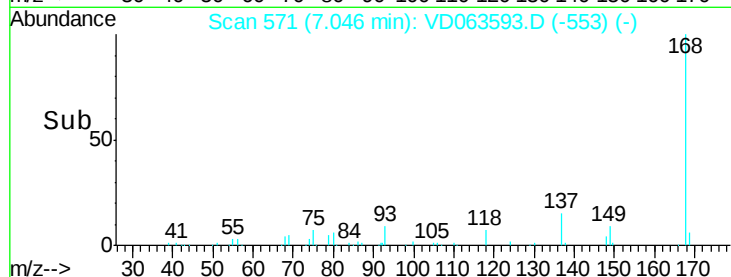
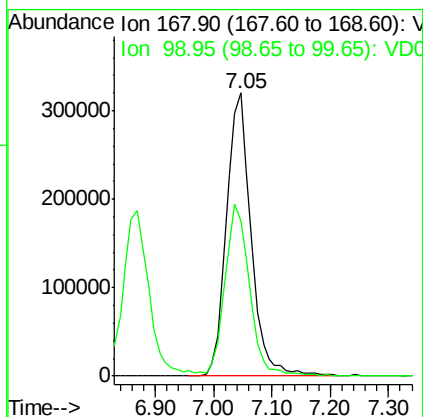
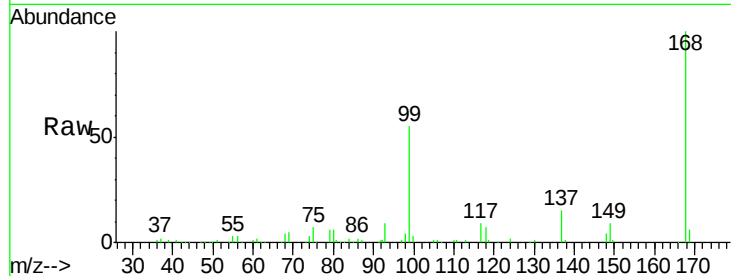
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

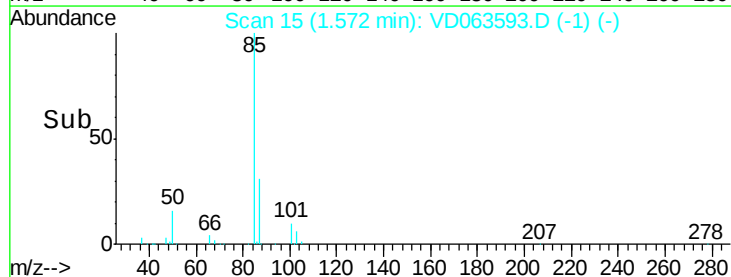
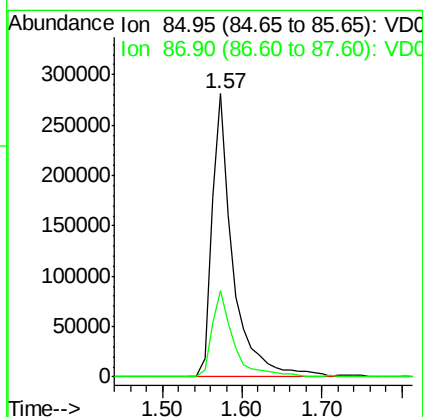
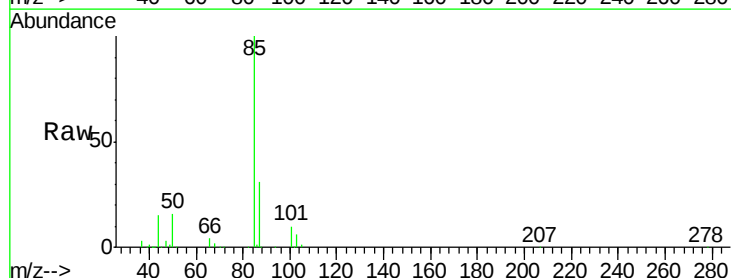
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

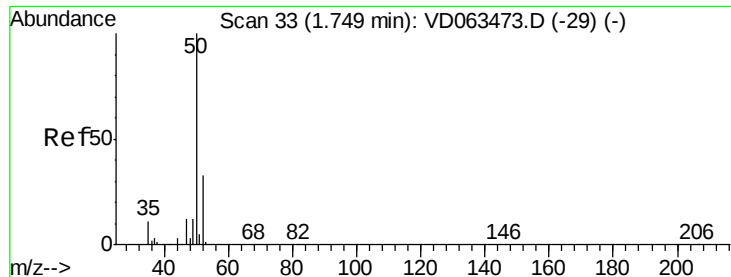
Tot Ion:168 Resp: 939304
Ion Ratio Lower Upper
168 100
99 54.8 46.7 70.1



#2
Dichlorodifluoromethane
Concen: 45.224 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 85 Resp: 513923
Ion Ratio Lower Upper
85 100
87 30.6 15.0 45.0





#3

Chloromethane

Concen: 47.244 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

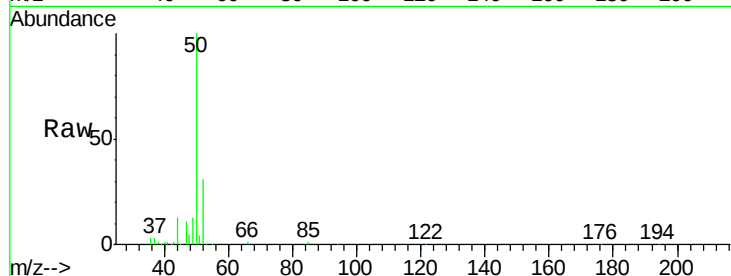
VSTDCCC050EC

Tot Ion: 50 Resp: 419465

Ion Ratio Lower Upper

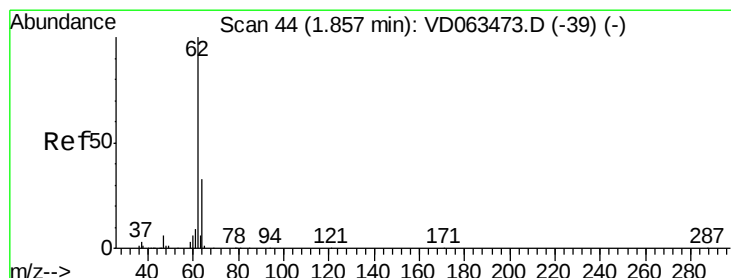
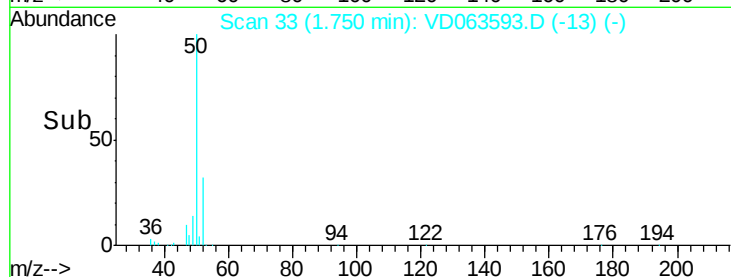
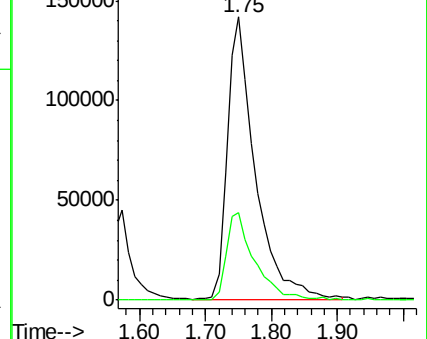
50 100

52 31.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.502 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063593.D

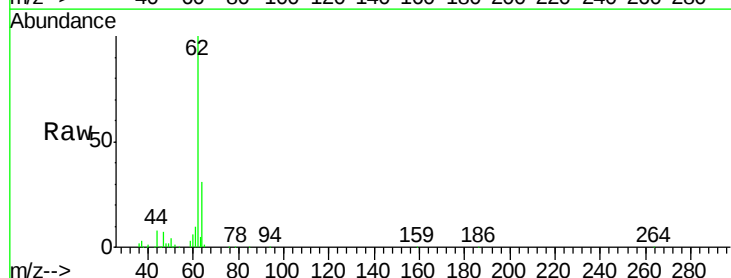
Acq: 14 Aug 2019 23:56

Tgt Ion: 62 Resp: 409872

Ion Ratio Lower Upper

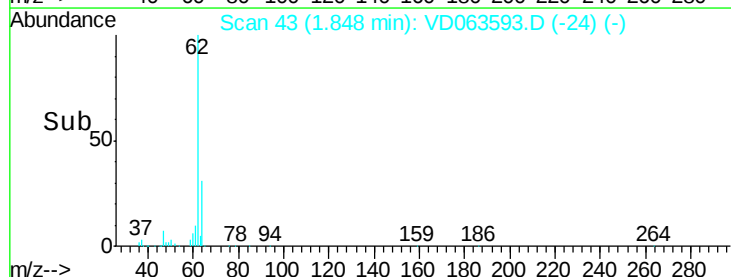
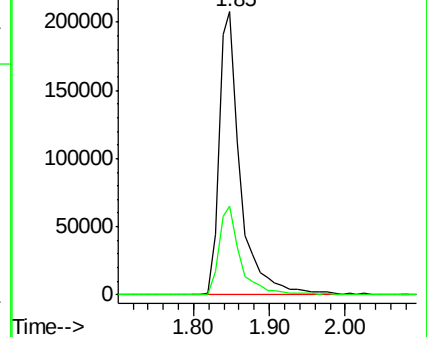
62 100

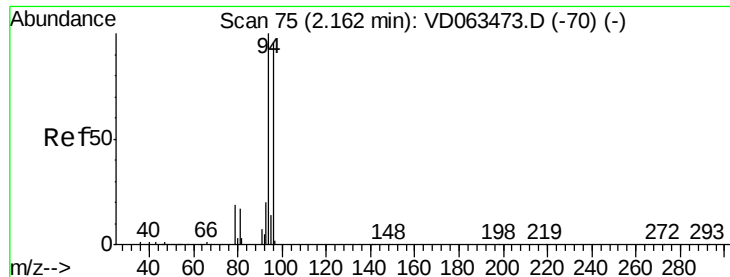
64 31.3 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.192 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

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VSTDCCC050EC

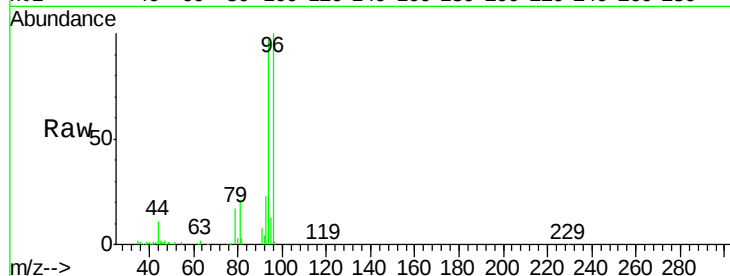
Tot Ion: 94 Resp: 208744

Ion Ratio Lower Upper

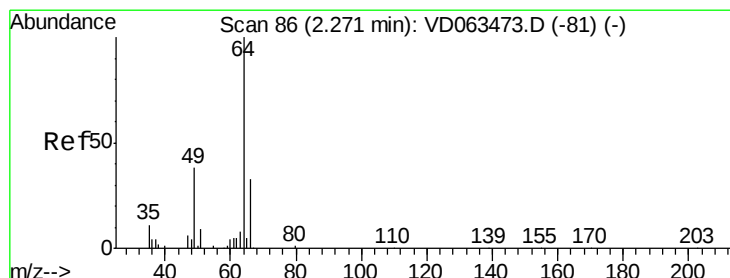
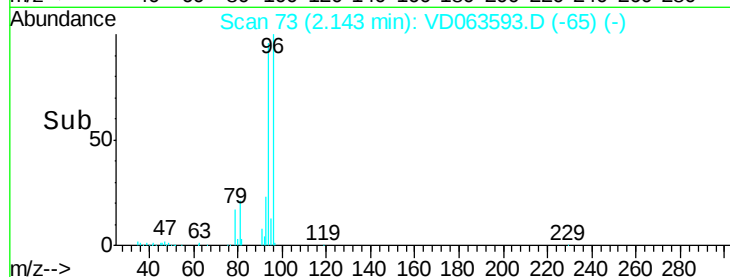
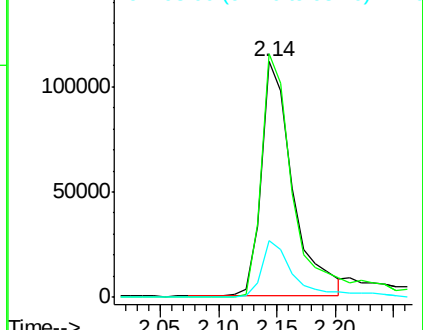
94 100

96 103.2 76.5 114.7

93 23.8 15.8 23.8#



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



#6

Chloroethane

Concen: 55.922 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063593.D

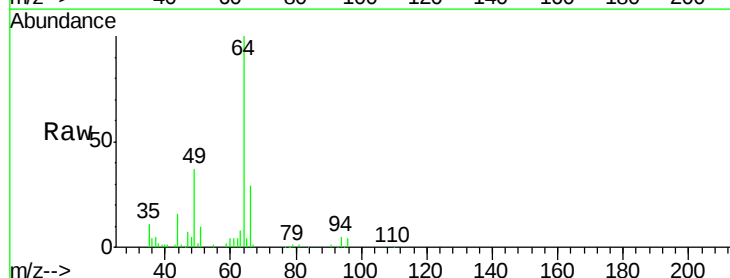
Acq: 14 Aug 2019 23:56

Tgt Ion: 64 Resp: 225399

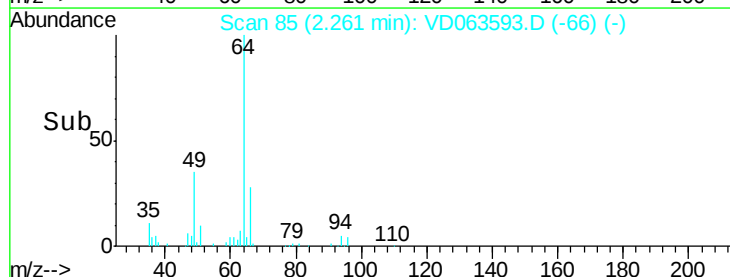
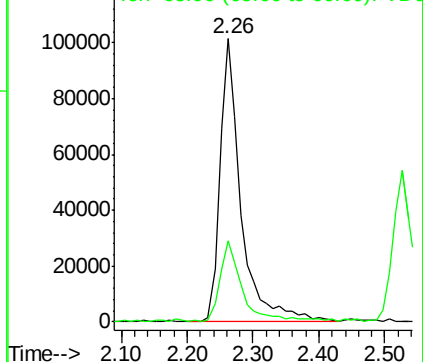
Ion Ratio Lower Upper

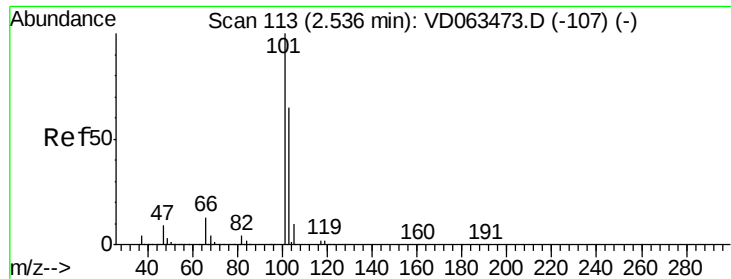
64 100

66 28.8 26.3 39.5



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



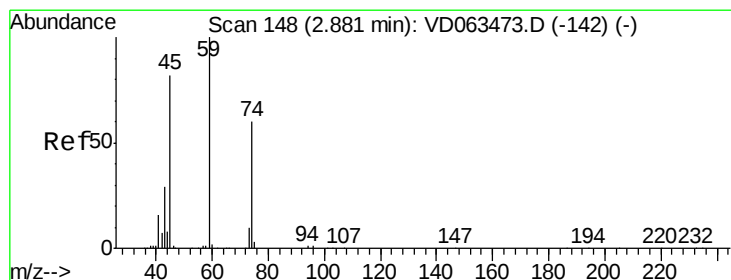
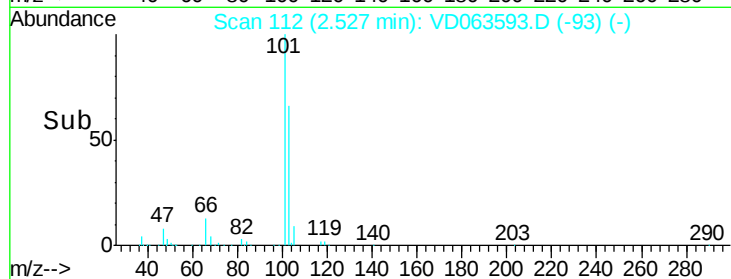
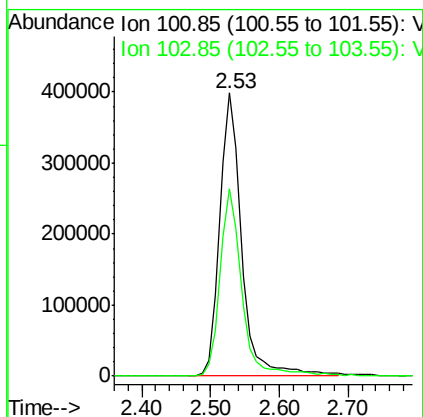
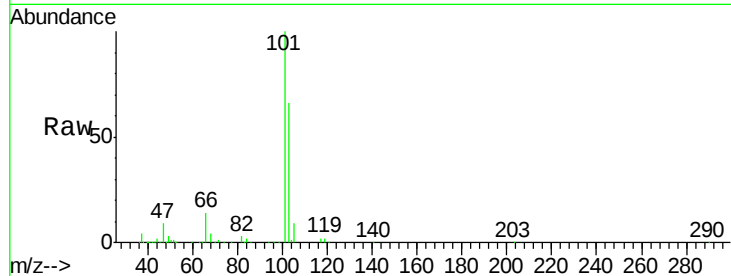


#7

Trichlorofluoromethane
Concen: 51.012 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Instrument :
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ClientSampleId :
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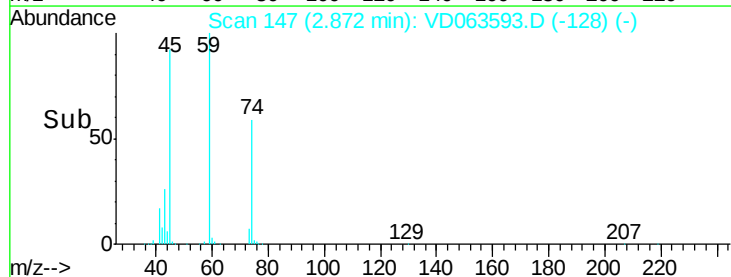
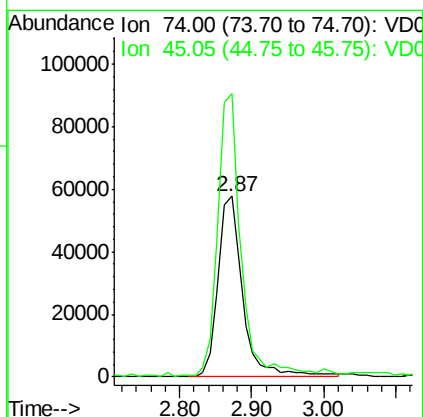
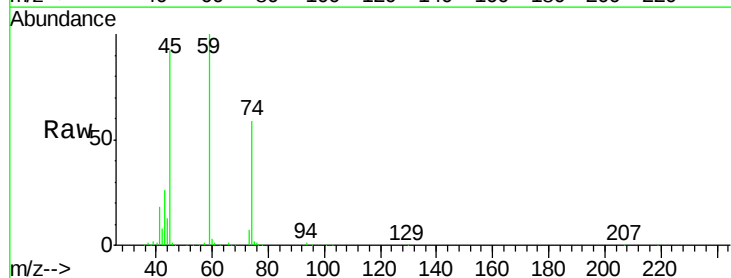
Tot Ion:101 Resp: 881935
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.4

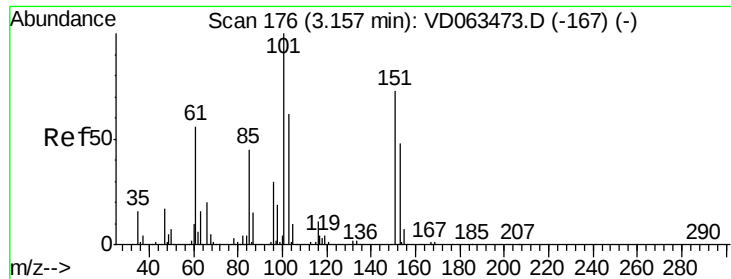


#8

Diethyl Ether
Concen: 55.847 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 74 Resp: 136321
Ion Ratio Lower Upper
74 100
45 156.8 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.629 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

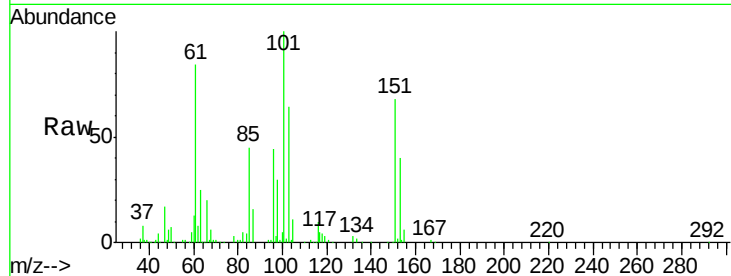
Tot Ion:101 Resp: 516856

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.6

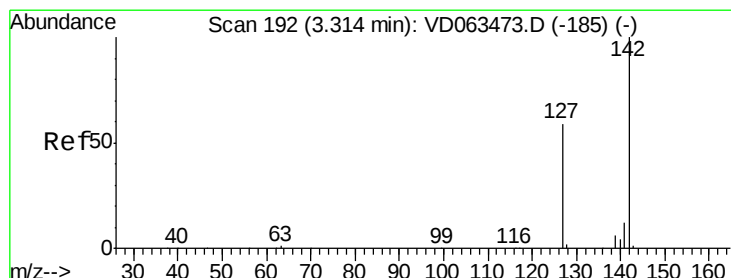
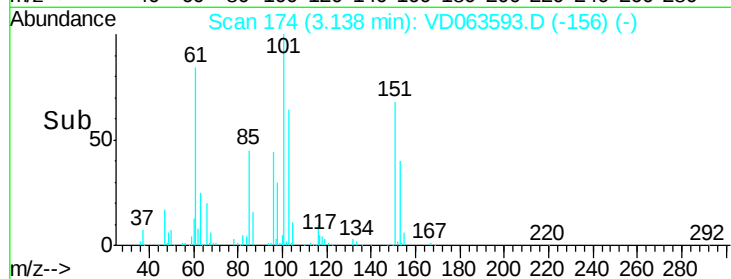
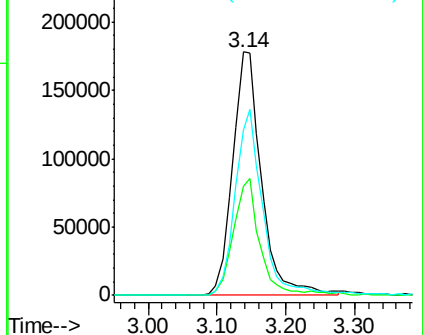
151 67.8 58.6 88.0



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: 54.477 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

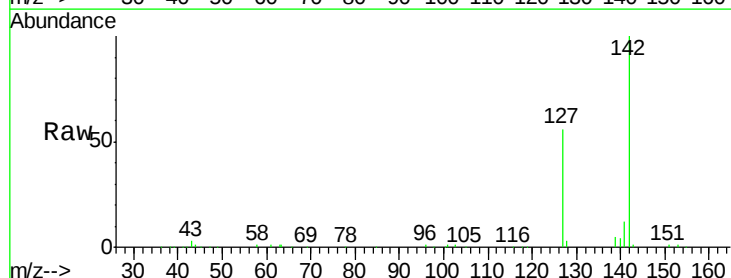
Tgt Ion:142 Resp: 786874

Ion Ratio Lower Upper

142 100

127 56.4 47.2 70.8

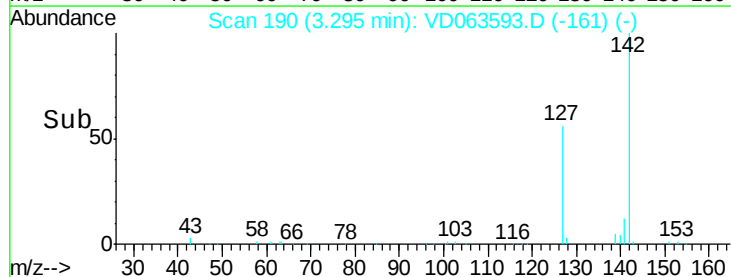
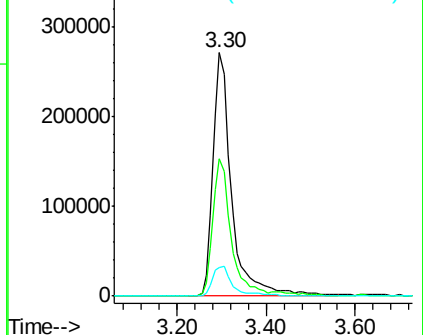
141 11.9 9.8 14.8

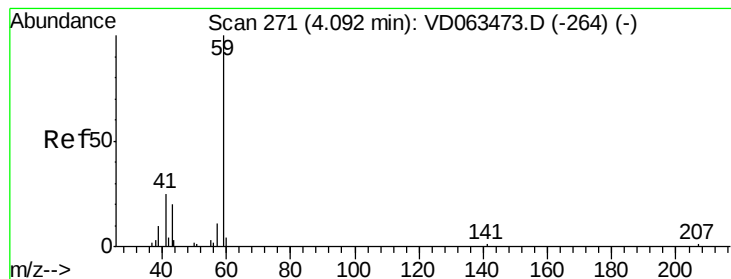


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



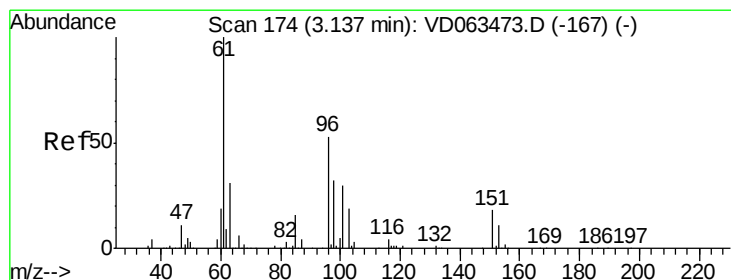
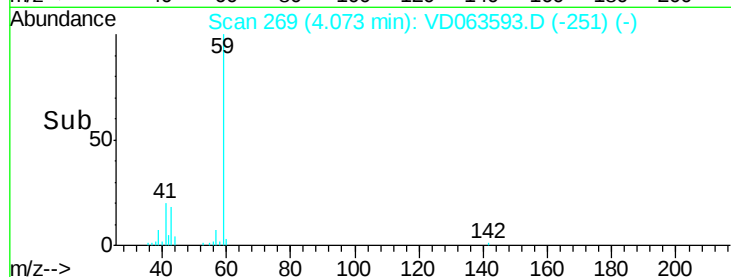
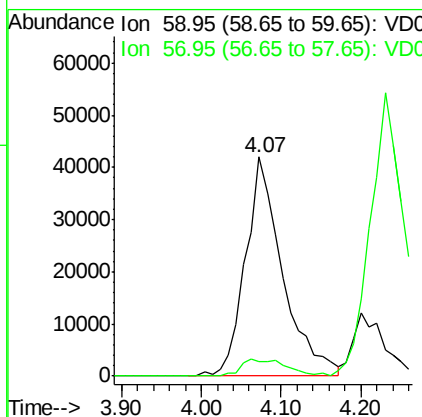
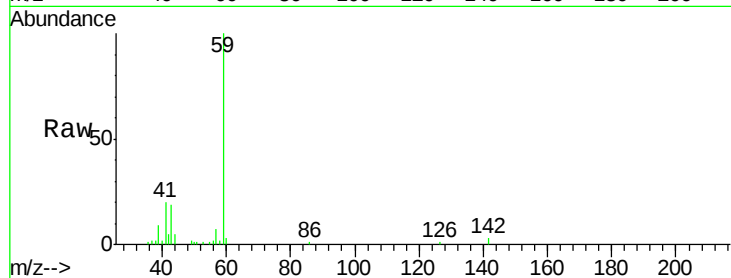


#11

Tert butyl alcohol
Concen: 309.085 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

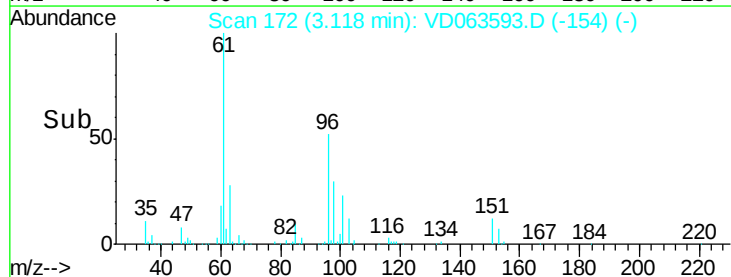
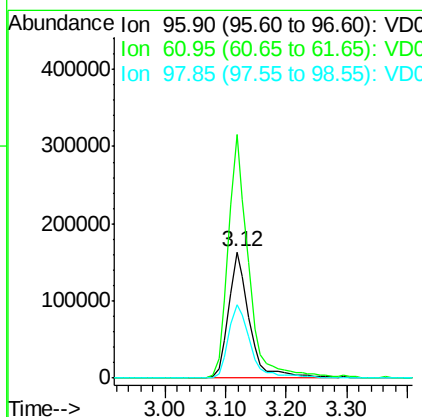
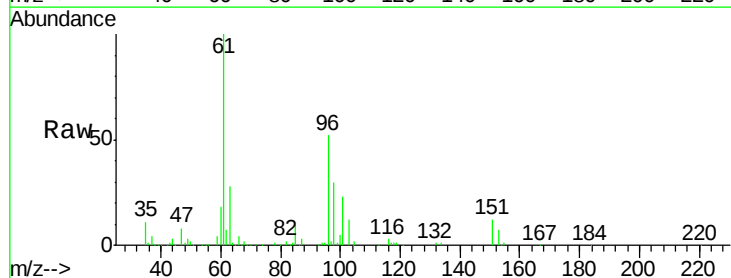
Tot Ion: 59 Resp: 135095
Ion Ratio Lower Upper
59 100
57 6.9 8.7 13.1#

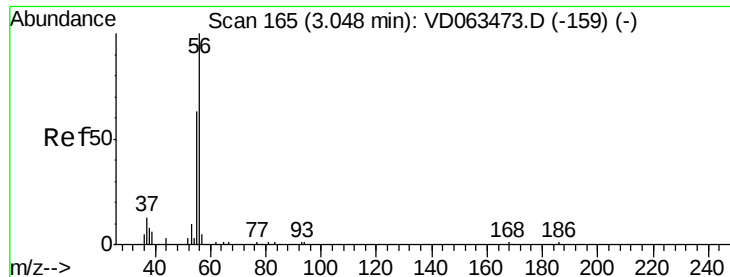


#12

1,1-Dichloroethene
Concen: 51.531 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 96 Resp: 391116
Ion Ratio Lower Upper
96 100
61 193.0 151.7 227.5
98 58.6 48.4 72.6





#13

Acrolein

Concen: 249.879 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

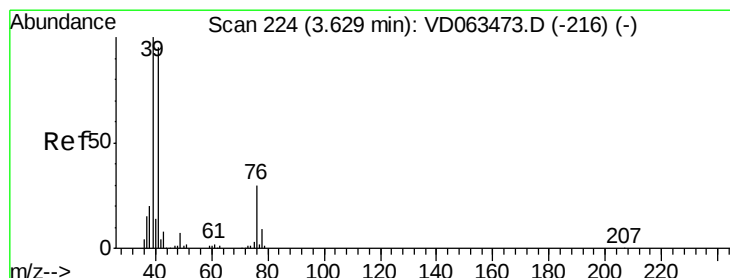
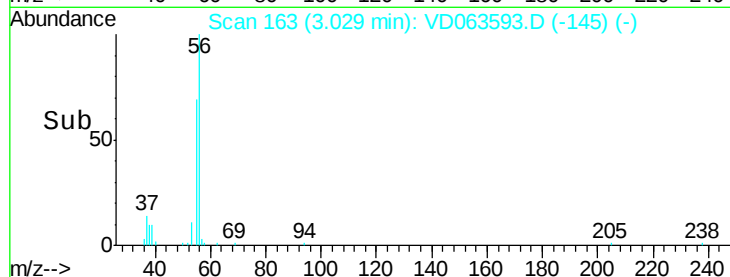
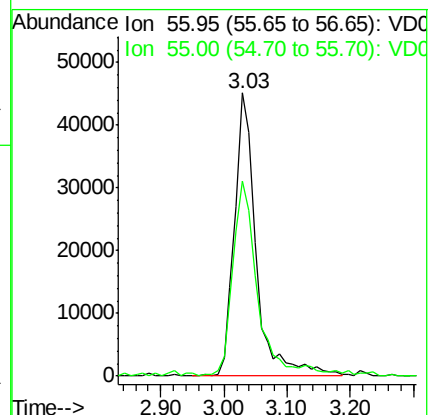
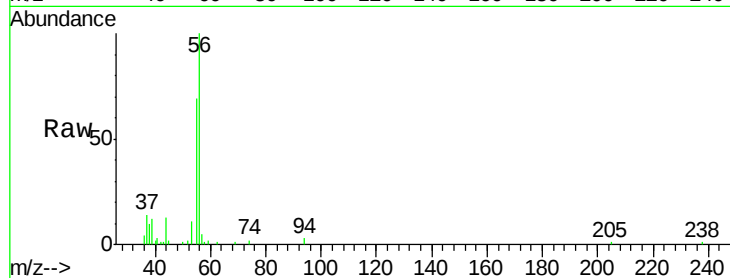
VSTDCCC050EC

Tot Ion: 56 Resp: 107504

Ion Ratio Lower Upper

56 100

55 68.8 51.3 76.9



#14

Allyl chloride

Concen: 53.531 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

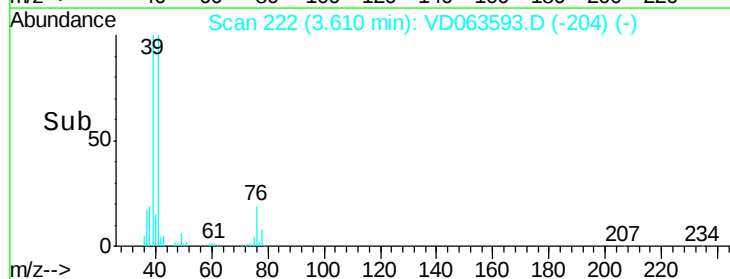
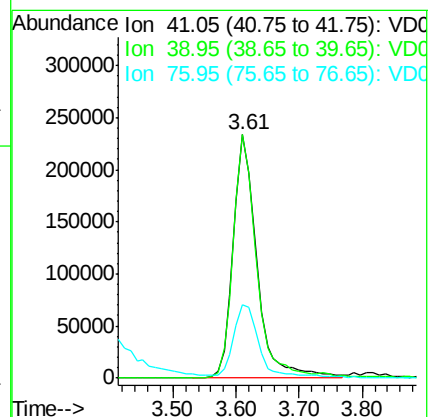
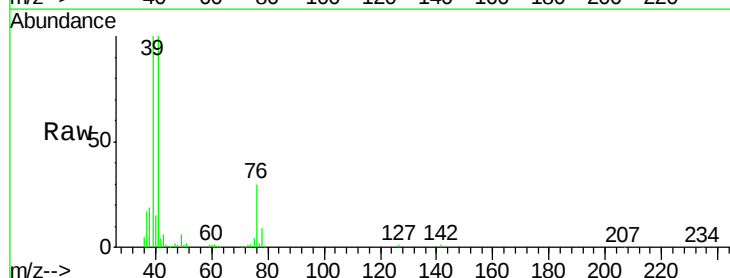
Tgt Ion: 41 Resp: 610785

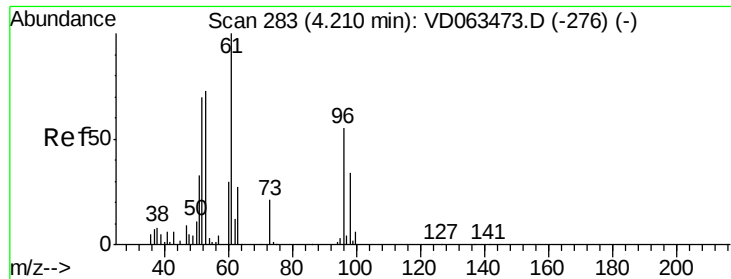
Ion Ratio Lower Upper

41 100

39 100.0 84.2 126.4

76 30.4 26.0 39.0





#15

Acrylonitrile

Concen: 301.910 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

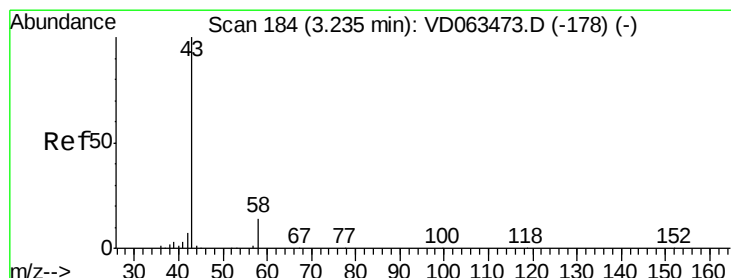
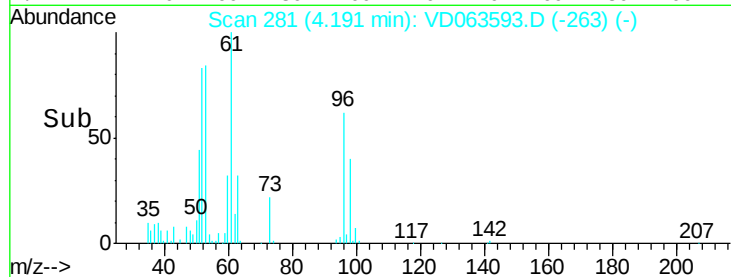
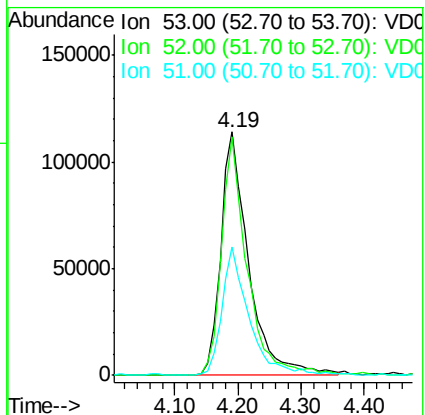
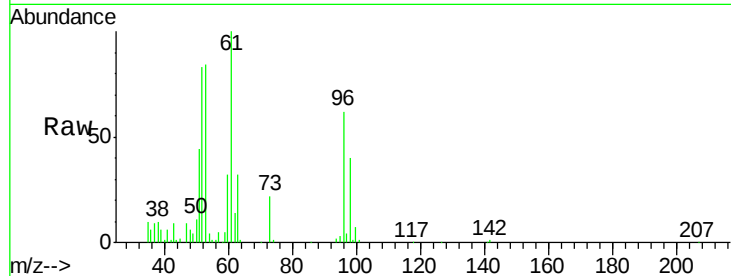
Tot Ion: 53 Resp: 349528

Ion Ratio Lower Upper

53 100

52 97.8 77.4 116.0

51 52.5 36.7 55.1



#16

Acetone

Concen: 252.605 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063593.D

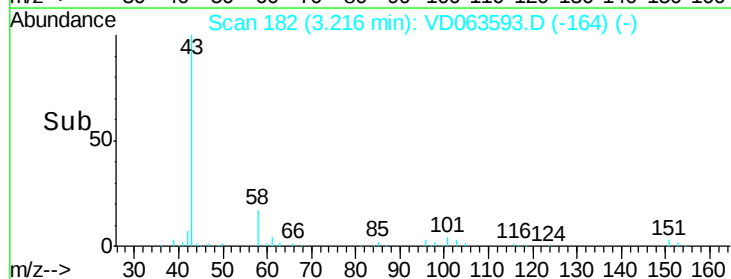
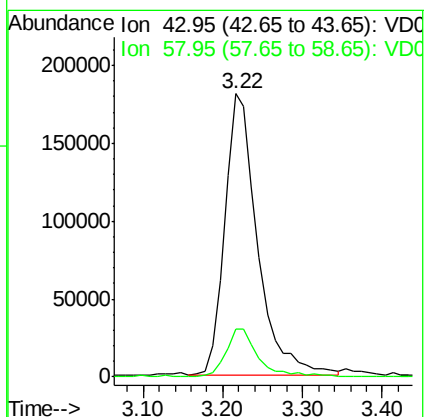
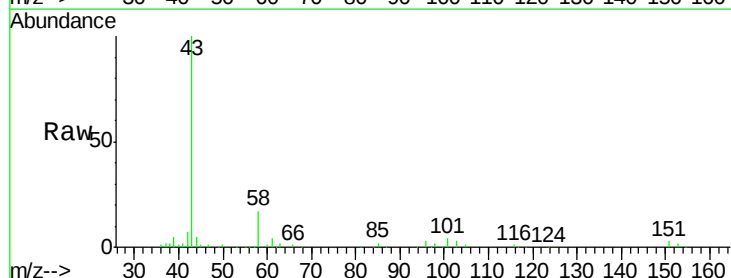
Acq: 14 Aug 2019 23:56

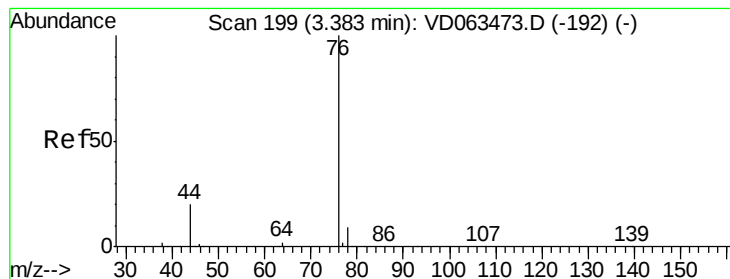
Tgt Ion: 43 Resp: 515572

Ion Ratio Lower Upper

43 100

58 16.7 11.4 17.2





#17

Carbon Disulfide

Concen: 48.896 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

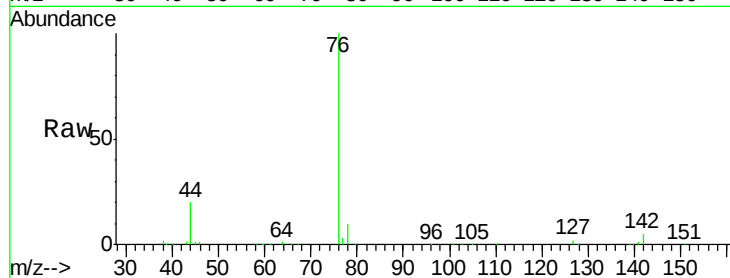
VSTDCCC050EC

Tot Ion: 76 Resp: 1171256

Ion Ratio Lower Upper

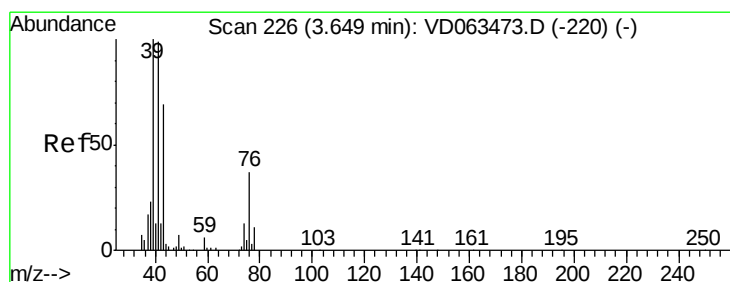
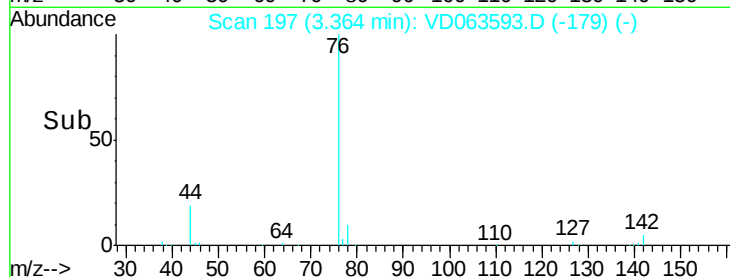
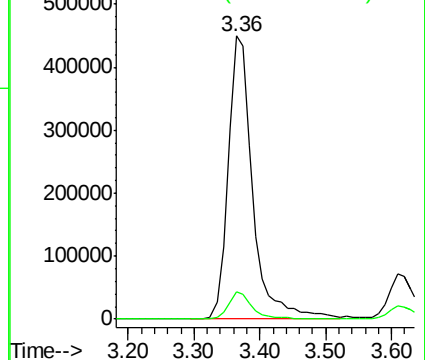
76 100

78 9.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 55.805 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD063593.D

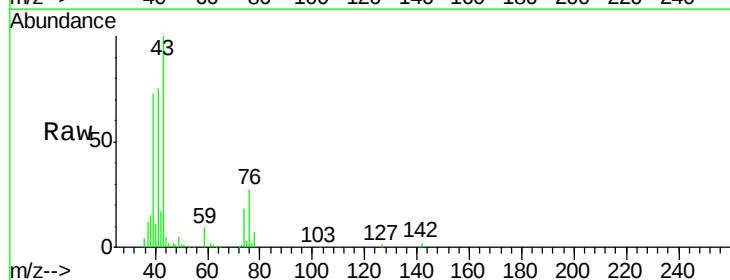
Acq: 14 Aug 2019 23:56

Tgt Ion: 43 Resp: 215739

Ion Ratio Lower Upper

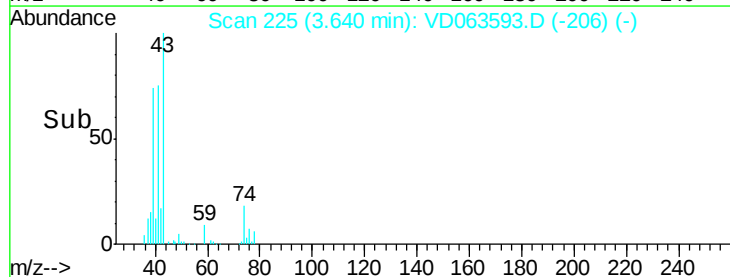
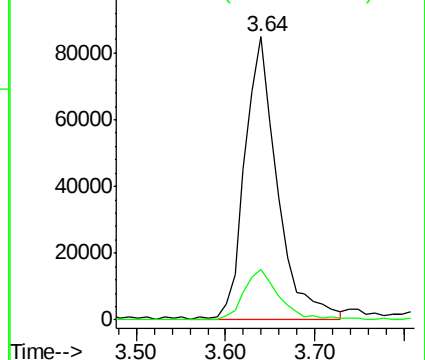
43 100

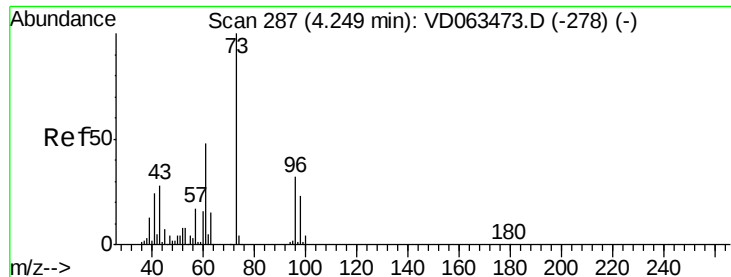
74 17.6 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

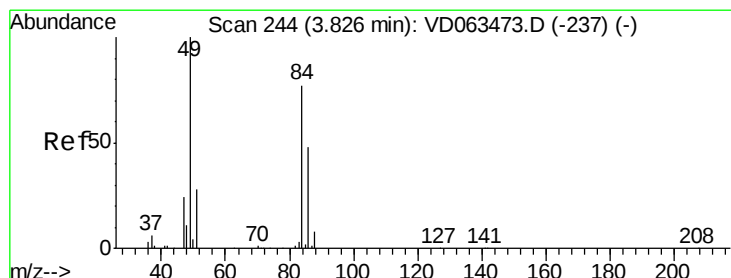
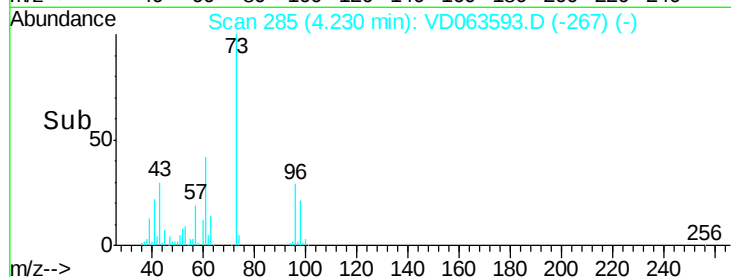
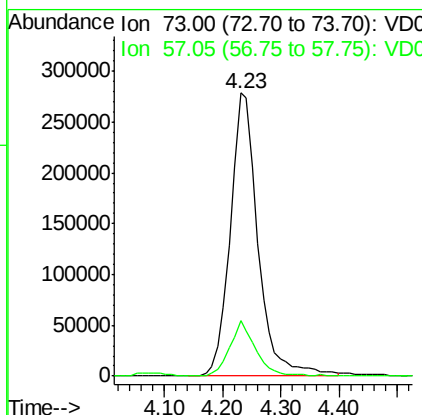
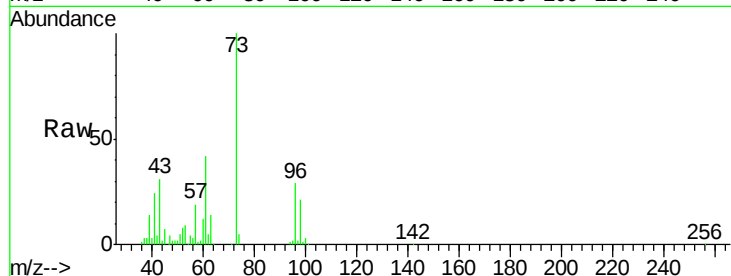




#19
Methyl tert-butyl Ether
Concen: 60.871 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

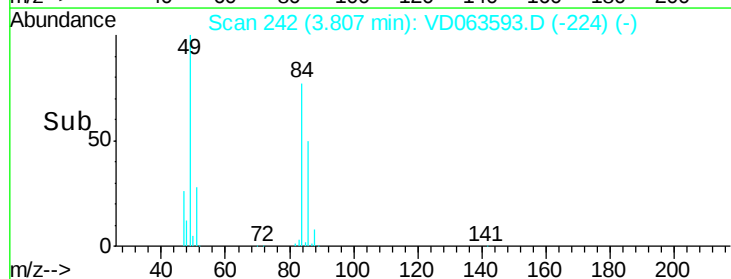
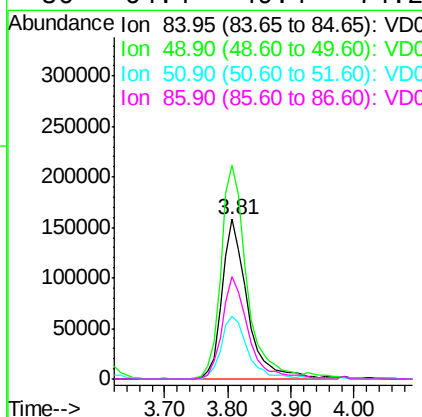
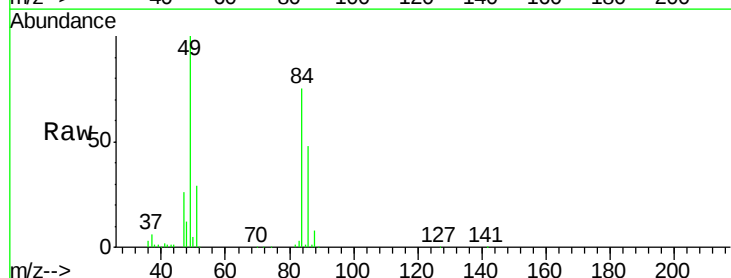
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

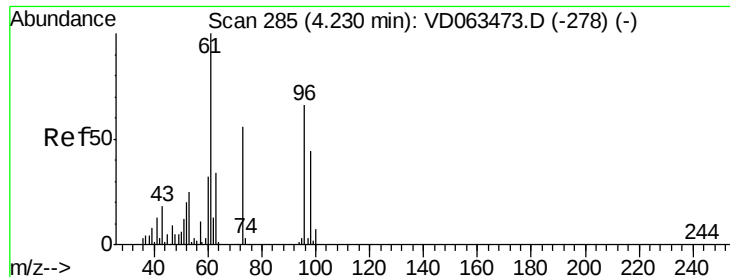
Tot Ion: 73 Resp: 923960
Ion Ratio Lower Upper
73 100
57 19.5 14.0 21.0



#20
Methylene Chloride
Concen: 50.662 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 84 Resp: 447123
Ion Ratio Lower Upper
84 100
49 133.8 103.4 155.2
51 39.2 28.5 42.7
86 64.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 54.358 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

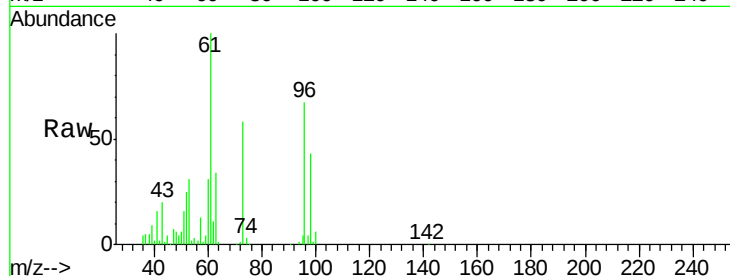
Tot Ion: 96 Resp: 434159

Ion Ratio Lower Upper

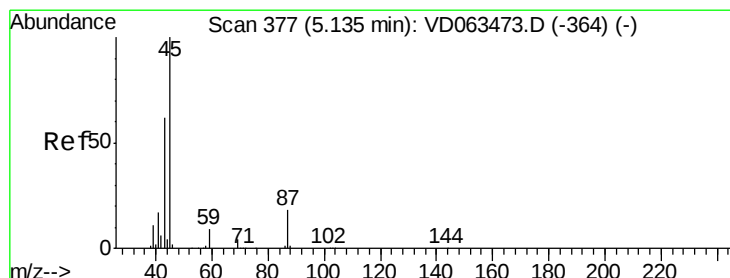
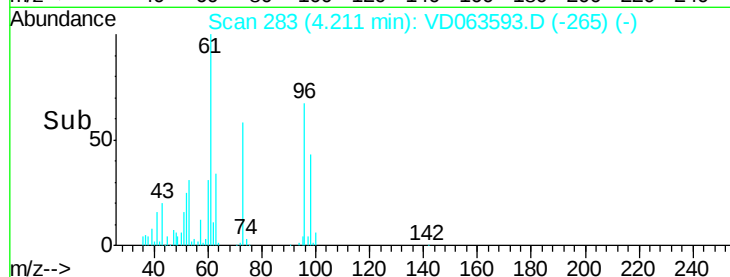
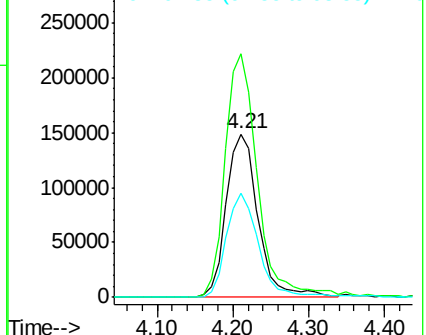
96 100

61 149.0 121.7 182.5

98 63.8 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: 57.778 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Tgt Ion: 45 Resp: 1360353

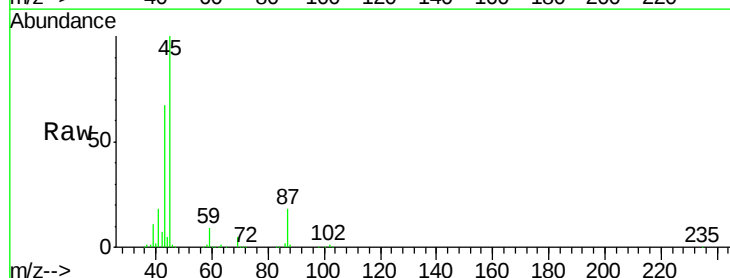
Ion Ratio Lower Upper

45 100

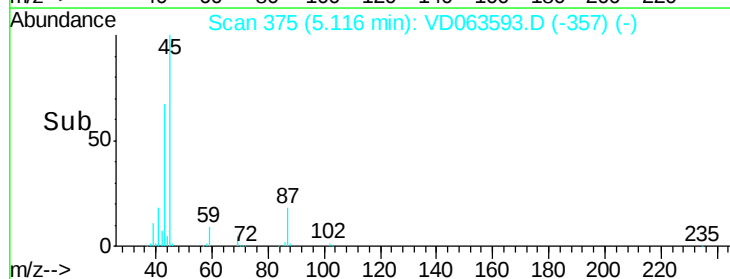
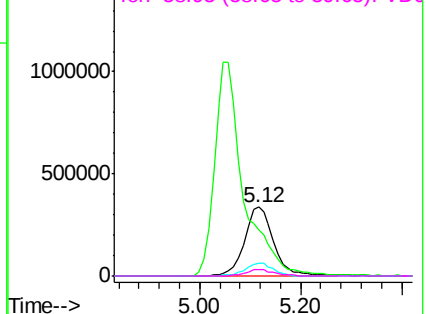
43 67.2 50.3 75.5

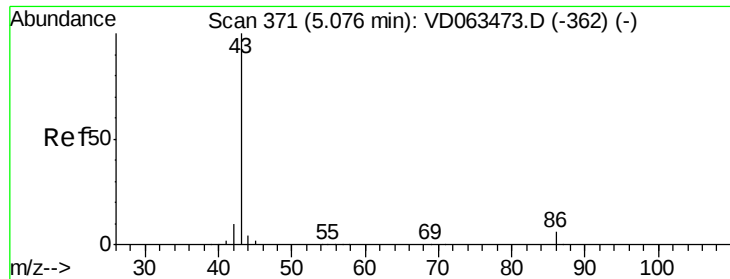
87 18.4 14.3 21.5

59 9.5 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: 305.387 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

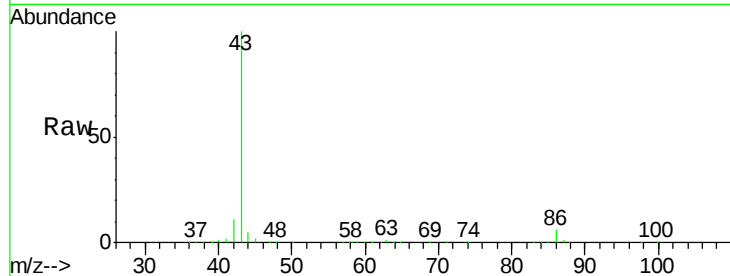
VSTDCCC050EC

Tot Ion: 43 Resp: 4180079

Ion Ratio Lower Upper

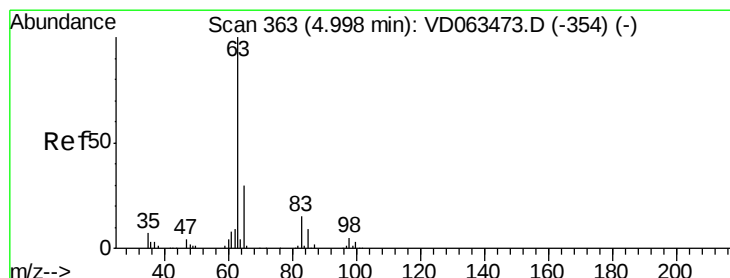
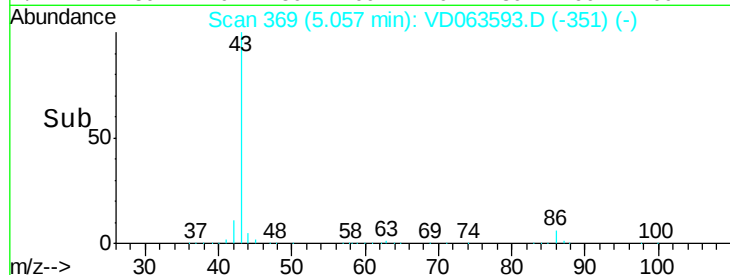
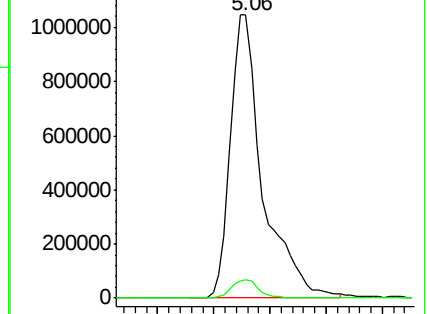
43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.257 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

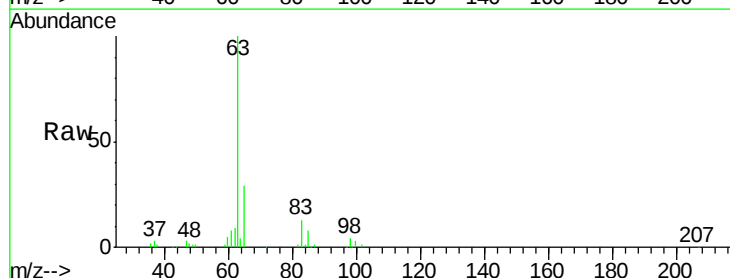
Tgt Ion: 63 Resp: 806926

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.2

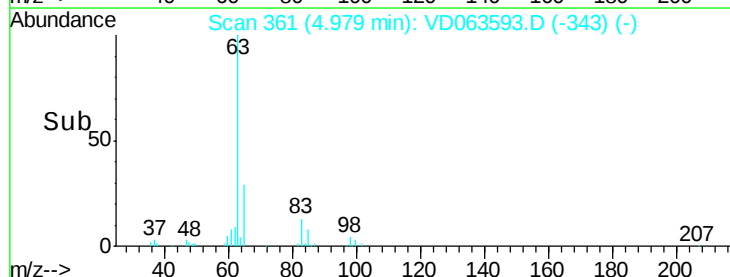
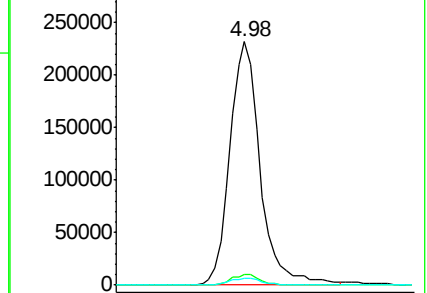
100 2.7 1.3 3.8

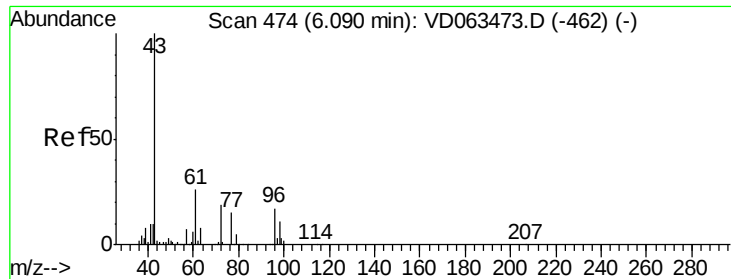


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 287.790 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

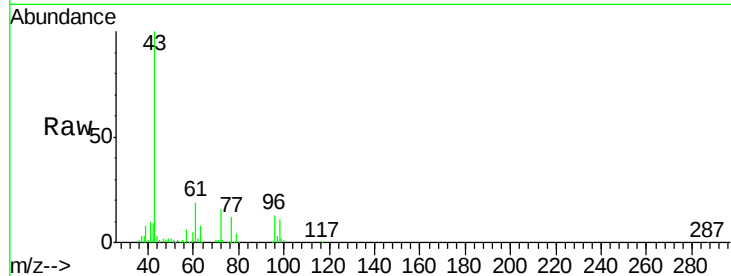
VSTDCCC050EC

Tot Ion: 43 Resp: 580124

Ion Ratio Lower Upper

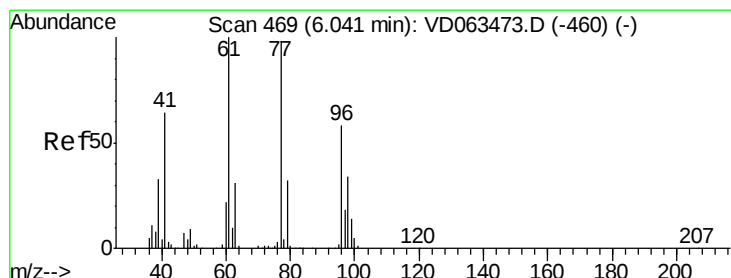
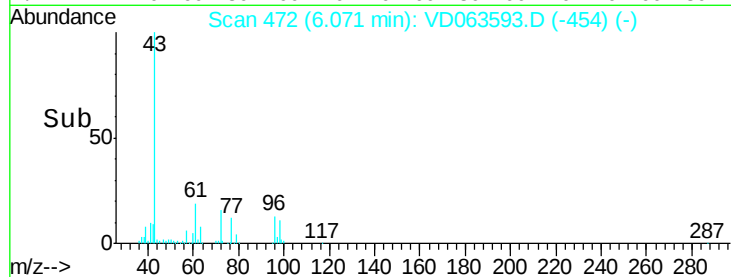
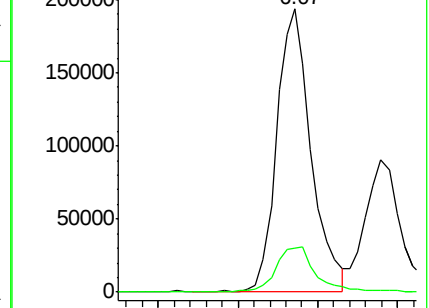
43 100

72 15.7 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: 48.709 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063593.D

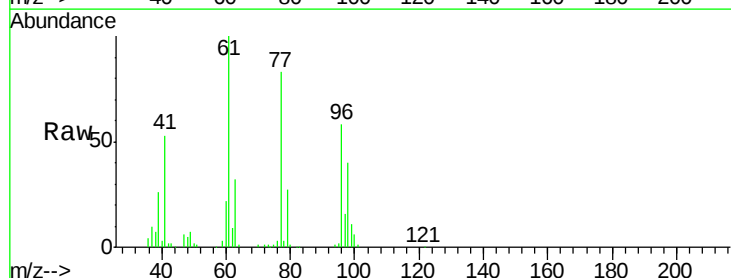
Acq: 14 Aug 2019 23:56

Tgt Ion: 77 Resp: 708482

Ion Ratio Lower Upper

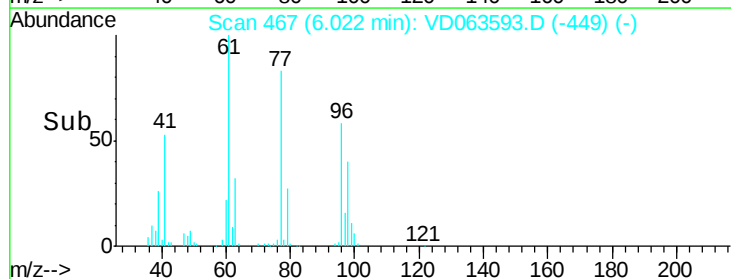
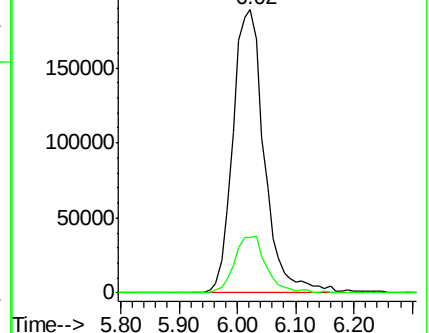
77 100

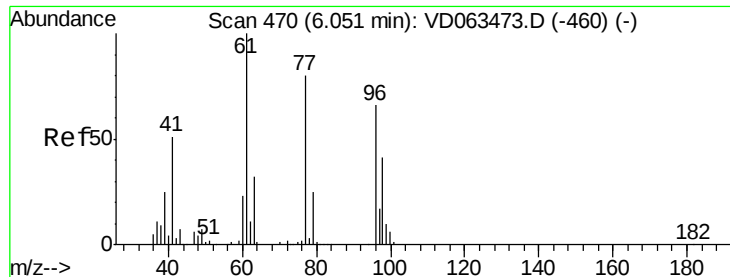
97 19.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



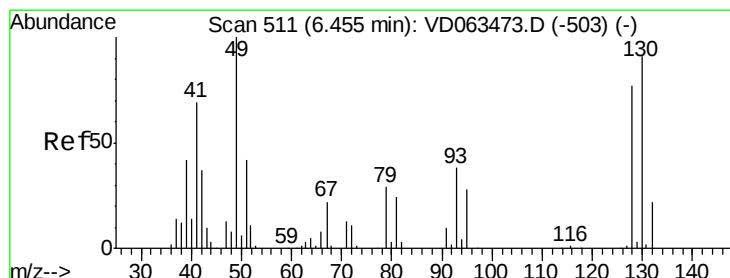
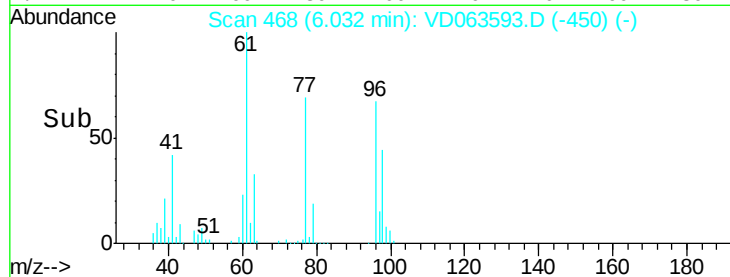
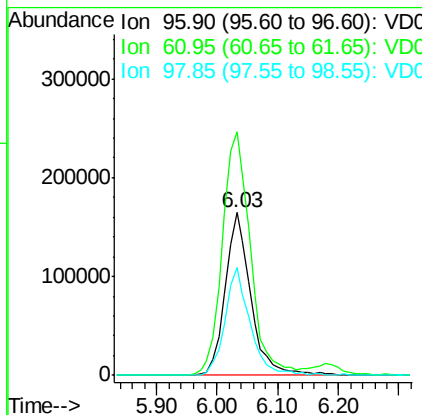
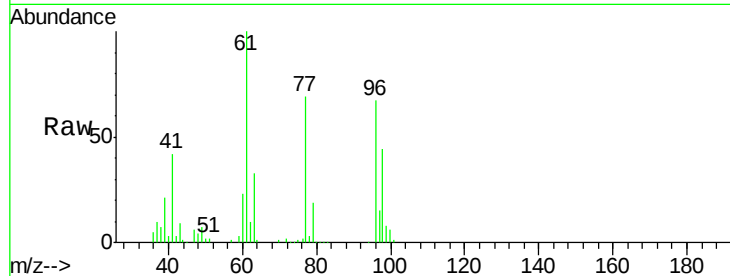


#27

cis-1,2-Dichloroethene
 Concen: 55.155 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

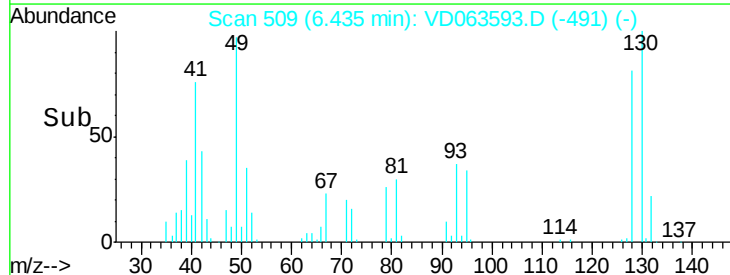
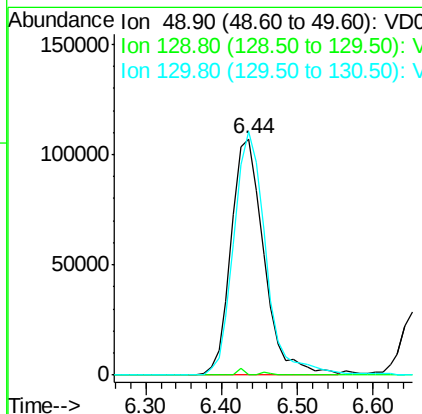
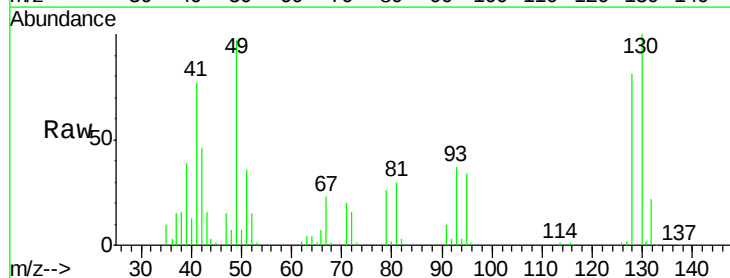
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	304.0
98	66.2	0.0	124.8

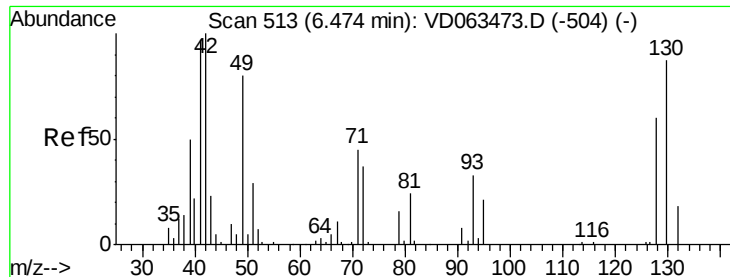


#28

Bromochloromethane
 Concen: 54.380 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	103.1	72.4	108.6

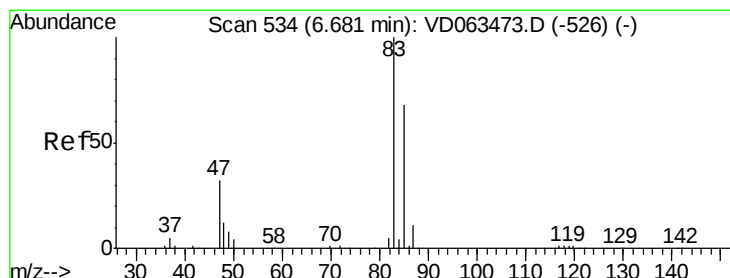
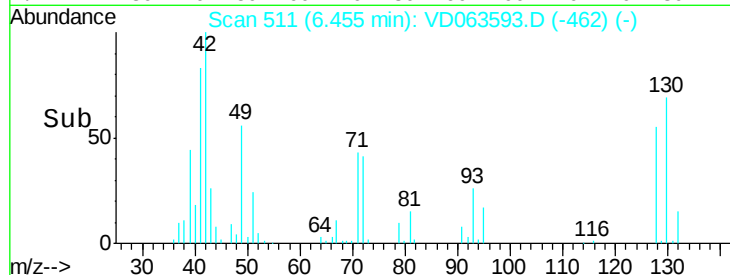
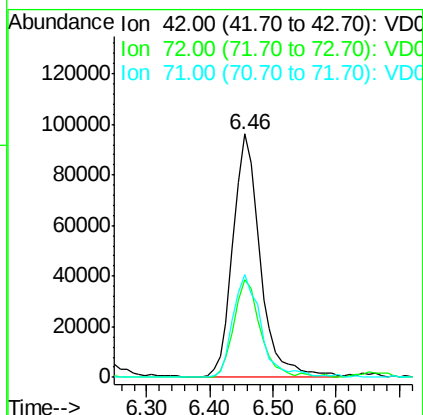
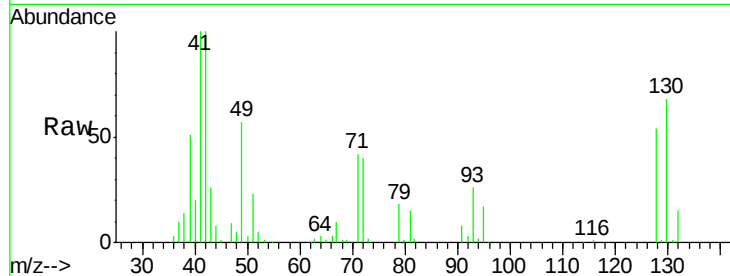




#29
Tetrahydrofuran
Concen: 307.686 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

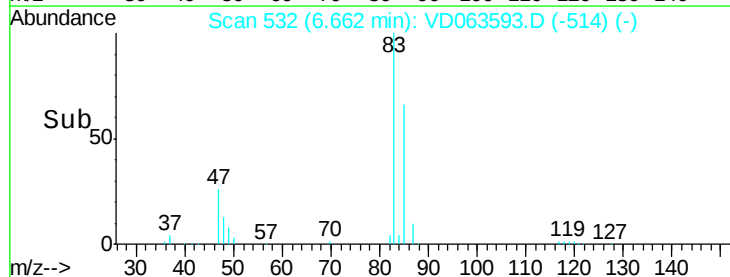
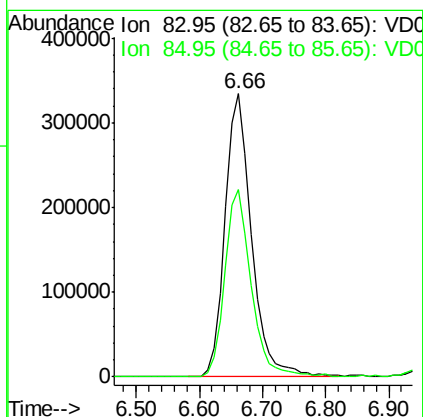
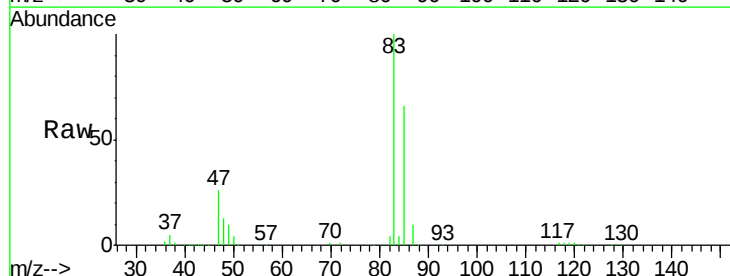
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

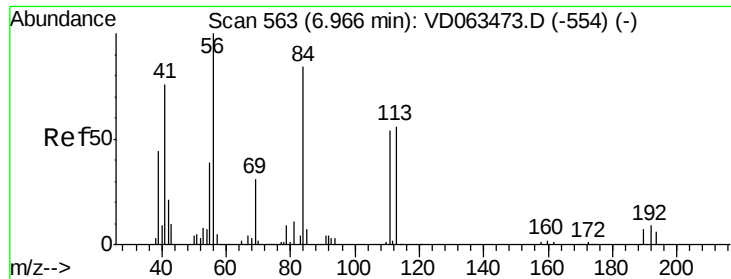
Tot Ion: 42 Resp: 289011
Ion Ratio Lower Upper
42 100
72 39.2 31.5 47.3
71 43.2 33.8 50.8



#30
Chloroform
Concen: 53.612 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 83 Resp: 973136
Ion Ratio Lower Upper
83 100
85 66.2 54.8 82.2

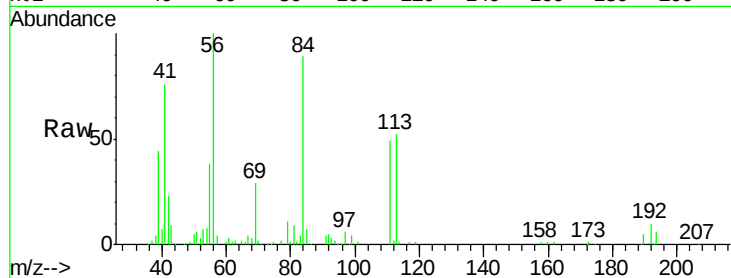




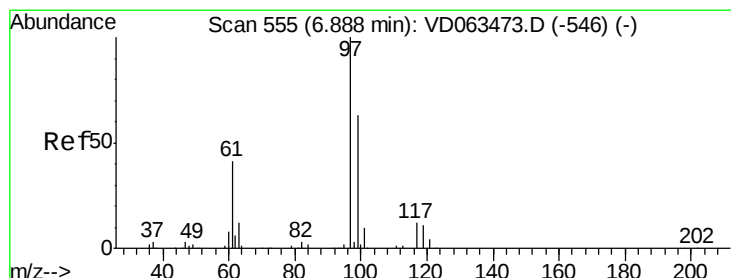
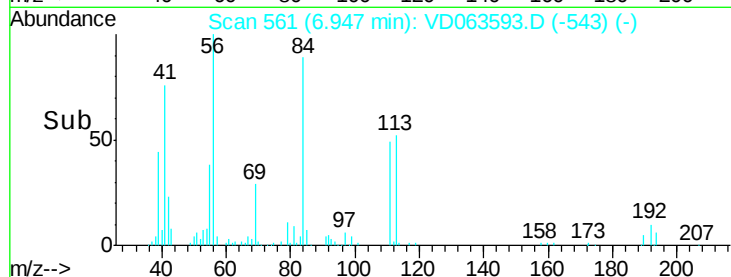
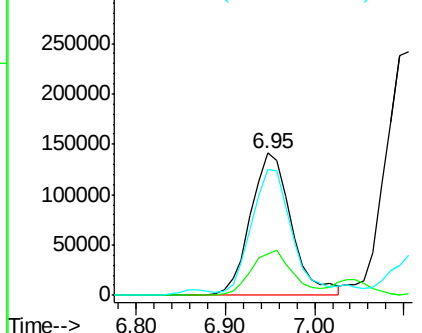
#31
Cyclohexane
Concen: 49.419 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 448017
Ion Ratio Lower Upper
56 100
69 29.0 25.0 37.6
84 89.0 69.7 104.5

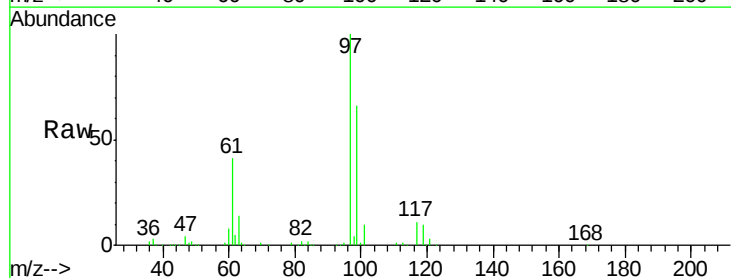


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

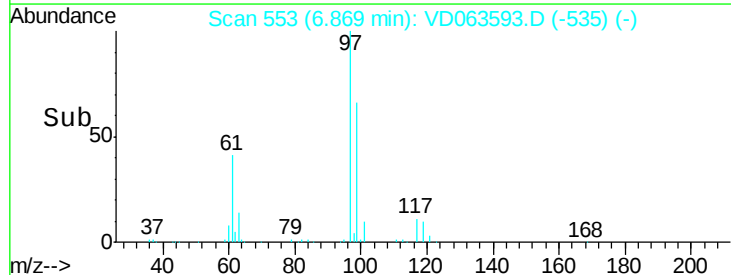
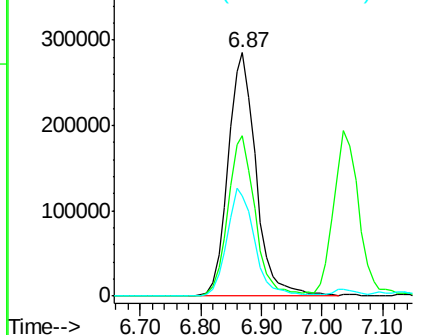


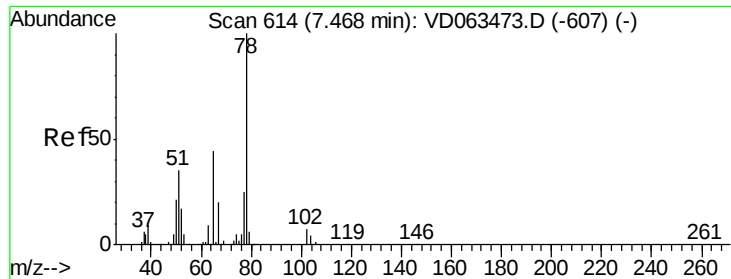
#32
1,1,1-Trichloroethane
Concen: 52.355 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 97 Resp: 909059
Ion Ratio Lower Upper
97 100
99 65.8 50.2 75.4
61 41.4 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: 55.601 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

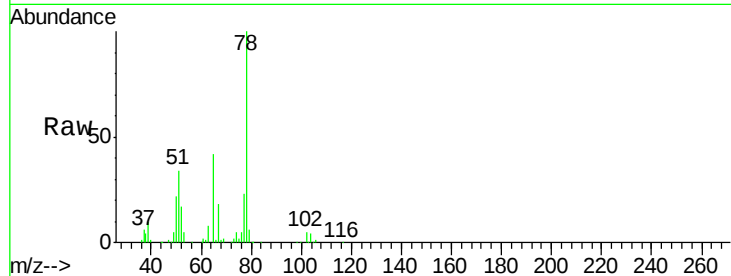
VSTDCCC050EC

Tot Ion: 65 Resp: 558262

Ion Ratio Lower Upper

65 100

67 44.2 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

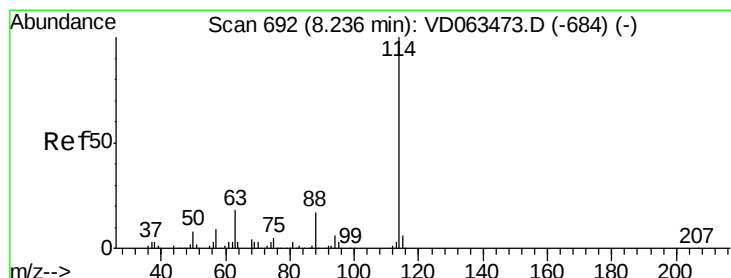
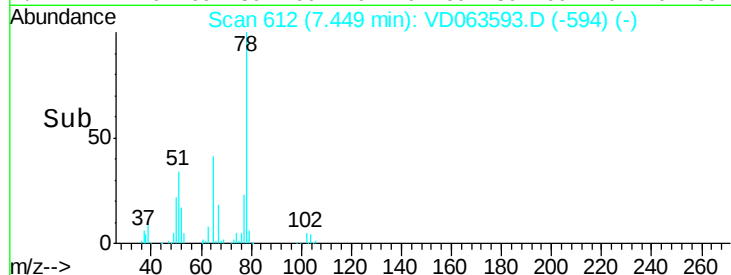
100000

50000

0

7.40 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

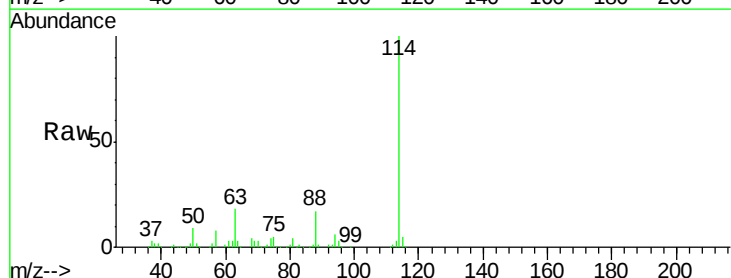
Tgt Ion: 114 Resp: 1411583

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

88 17.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

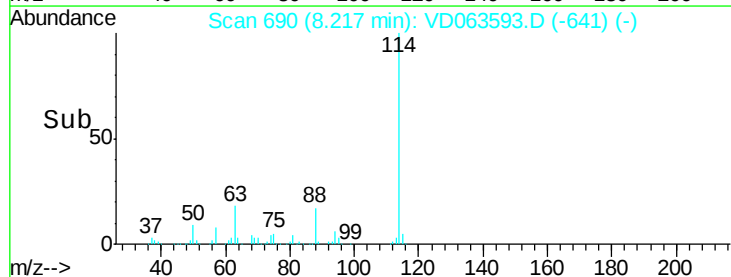
400000

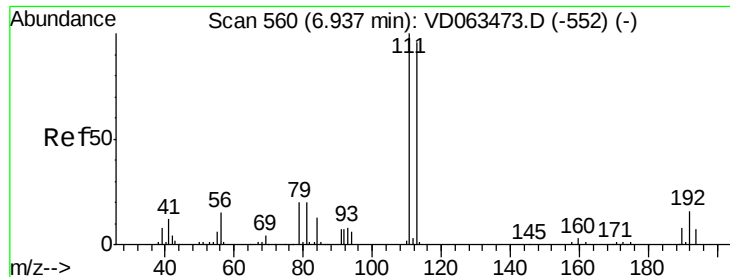
200000

0

8.20 8.40

Time-->

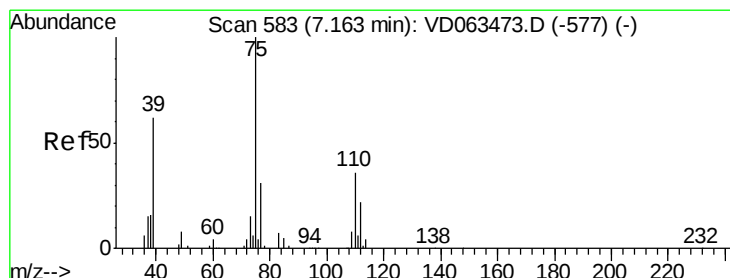
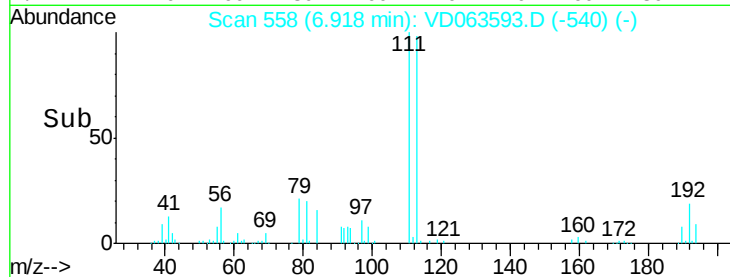
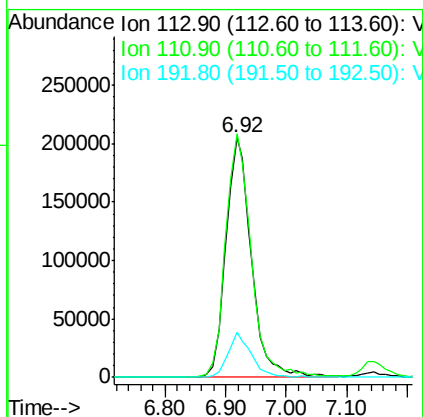
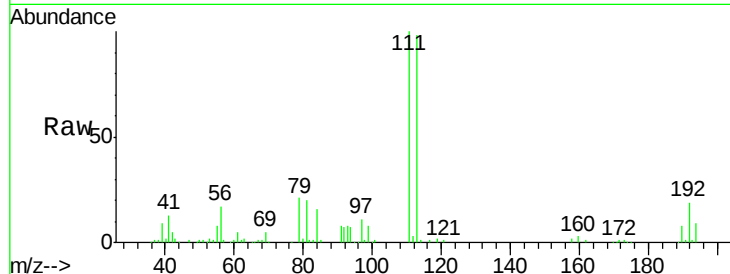




#35
 Dibromofluoromethane
 Concen: 50.214 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

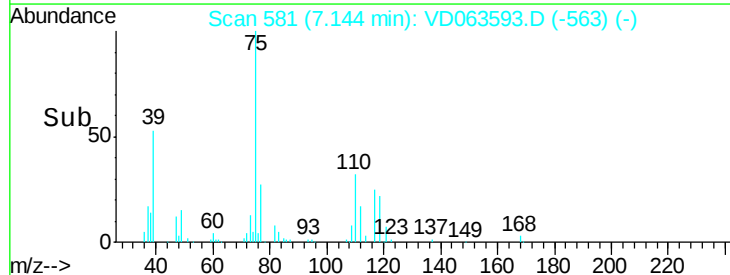
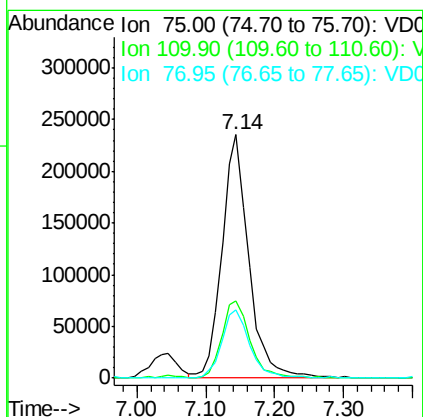
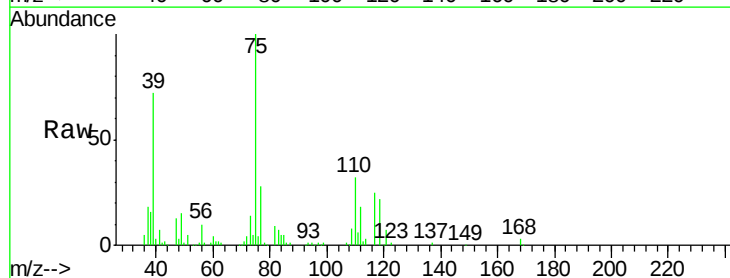
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

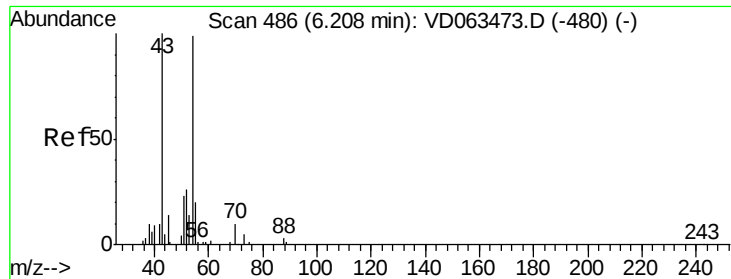
Tot Ion:113 Resp: 596966
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.1 124.7
 192 18.9 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 50.513 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion: 75 Resp: 630342
 Ion Ratio Lower Upper
 75 100
 110 31.8 17.6 52.8
 77 27.9 24.3 36.5

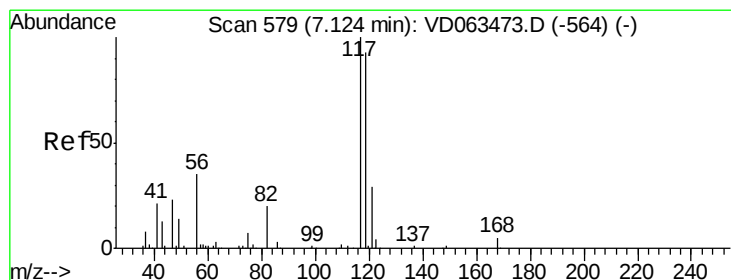
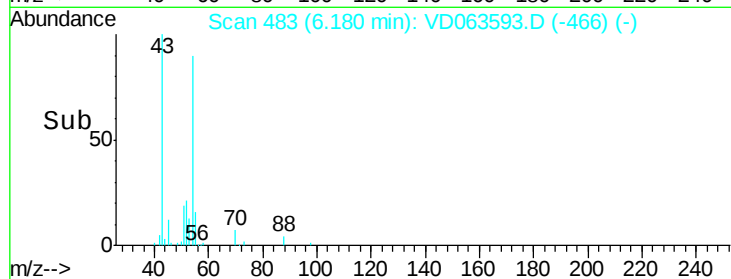
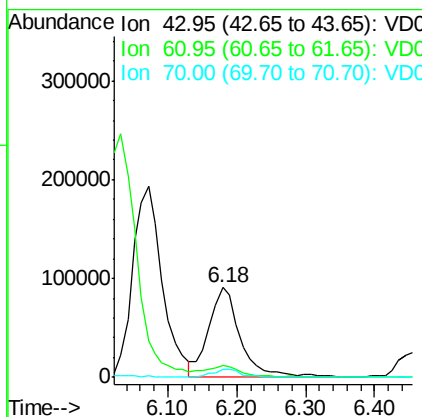
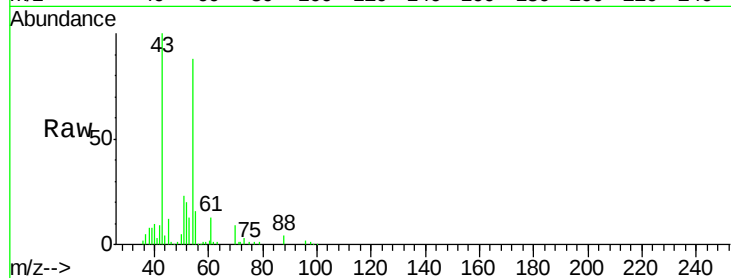




#37
Ethyl Acetate
Concen: 54.731 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

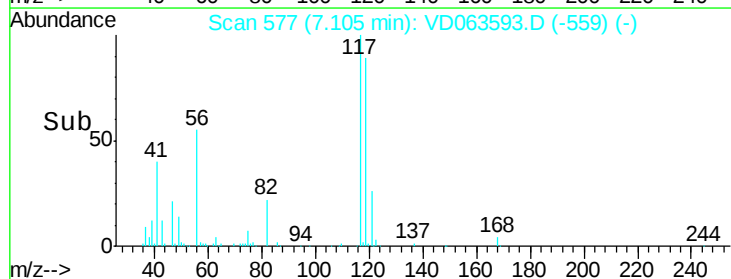
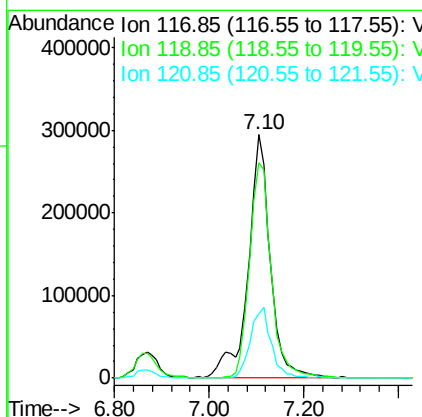
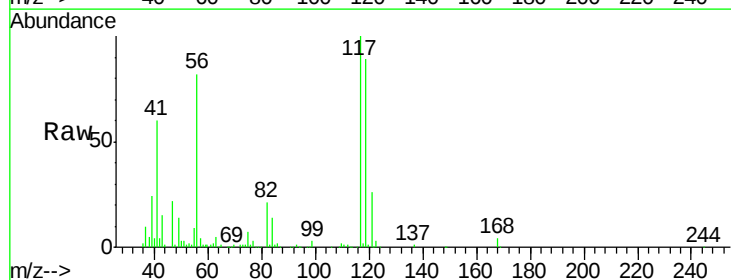
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

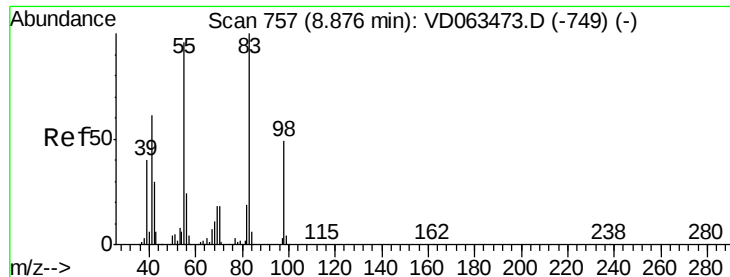
Tot Ion: 43 Resp: 286187
Ion Ratio Lower Upper
43 100
61 13.4 9.0 13.6
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 50.532 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 117 Resp: 950356
Ion Ratio Lower Upper
117 100
119 88.8 74.2 111.2
121 26.3 23.1 34.7

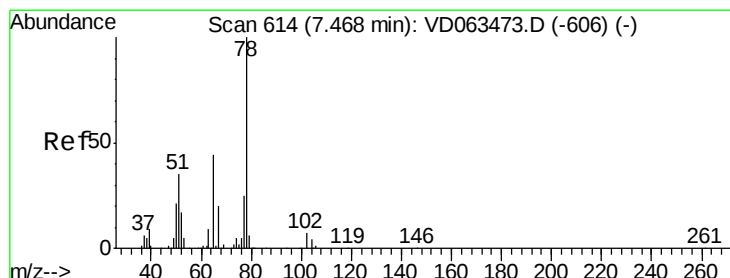
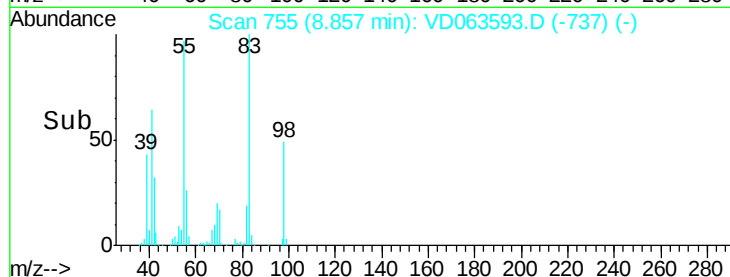
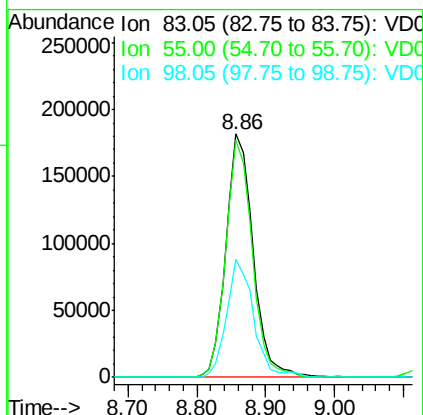
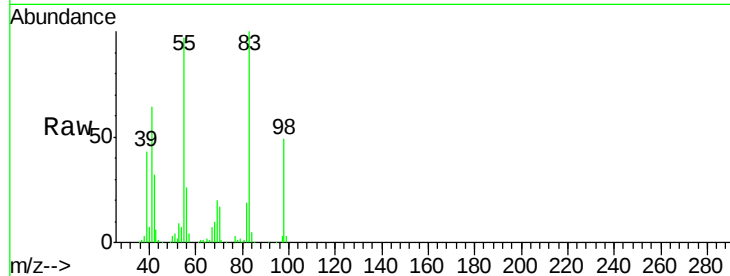




#39
Methvlcvclohexane
Concen: 47.097 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

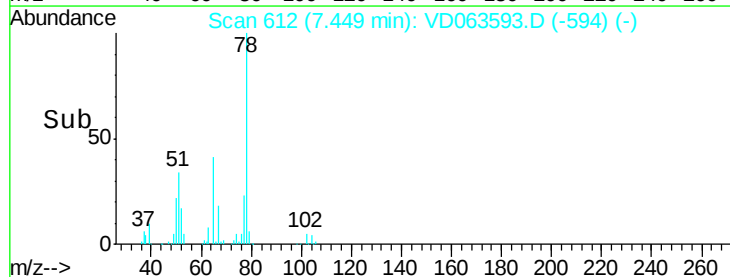
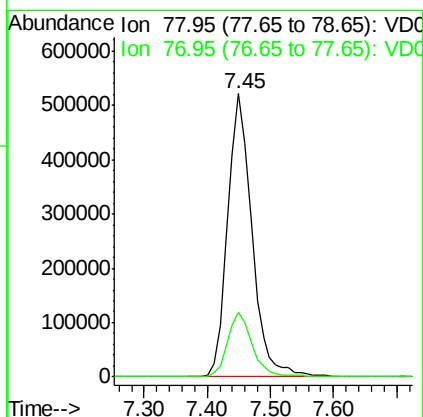
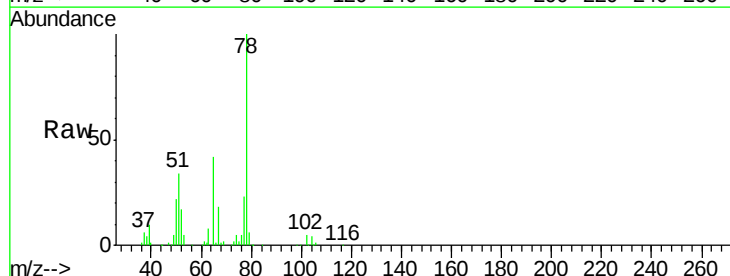
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

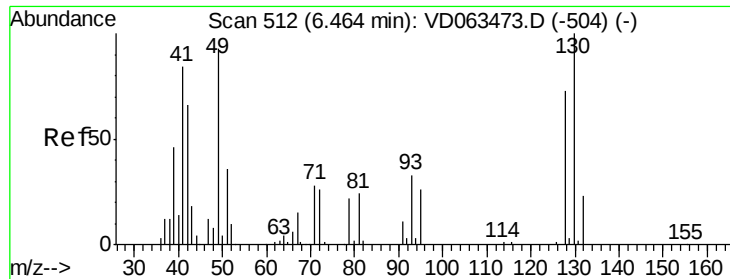
Tot Ion: 83 Resp: 499753
Ion Ratio Lower Upper
83 100
55 97.2 76.6 114.8
98 48.7 39.4 59.0



#40
Benzene
Concen: 50.702 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 78 Resp: 1392345
Ion Ratio Lower Upper
78 100
77 22.9 20.1 30.1





#41

Methacrylonitrile

Concen: 58.949 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 388112

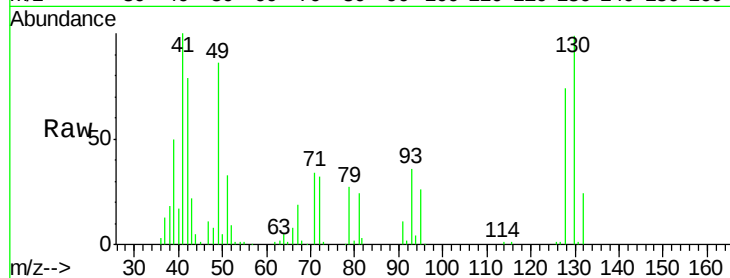
Ion Ratio Lower Upper

41 100

39 50.4 44.6 66.8

67 19.5 14.4 21.6

52 8.9 9.3 13.9#

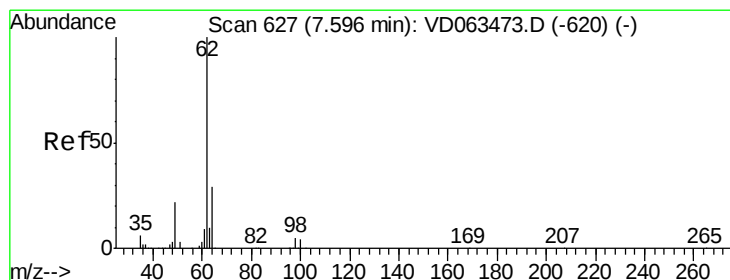
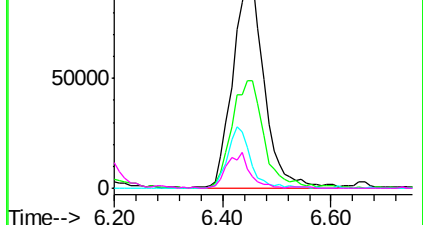
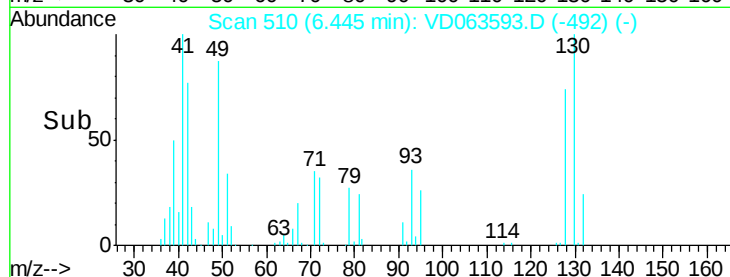


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.521 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD063593.D

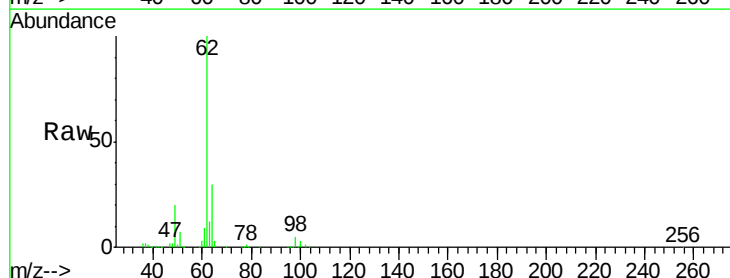
Acq: 14 Aug 2019 23:56

Tgt Ion: 62 Resp: 725219

Ion Ratio Lower Upper

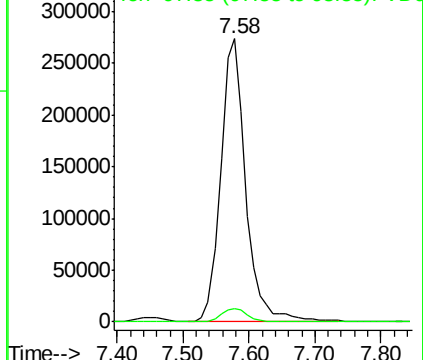
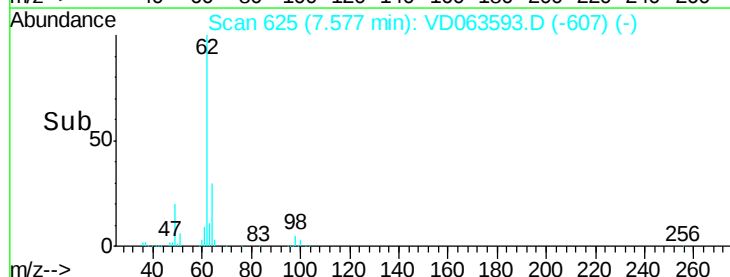
62 100

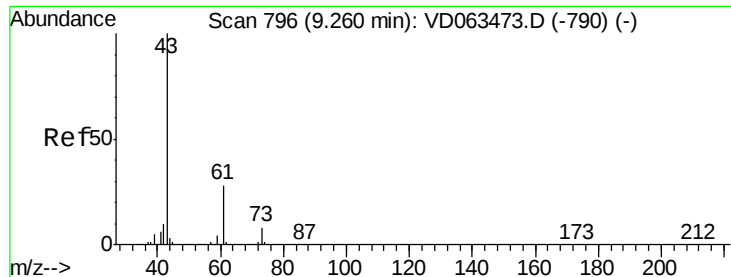
98 4.8 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.632 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

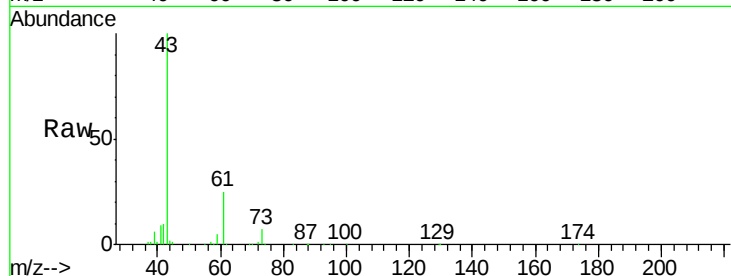
Tot Ion: 43 Resp: 396611

Ion Ratio Lower Upper

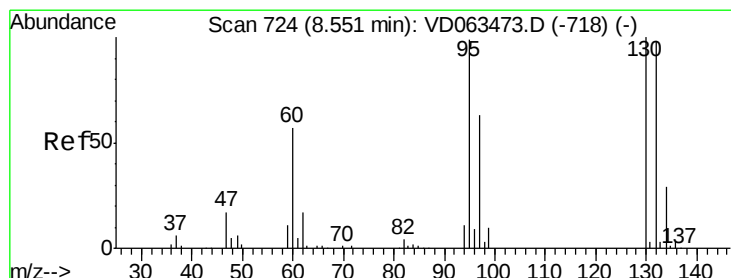
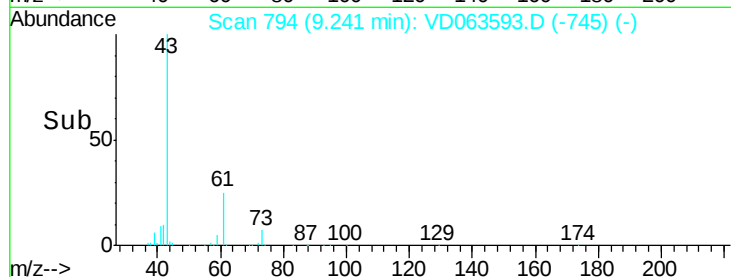
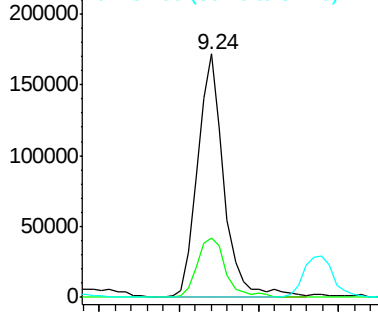
43 100

61 24.6 22.2 33.2

87 0.4 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: 50.274 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD063593.D

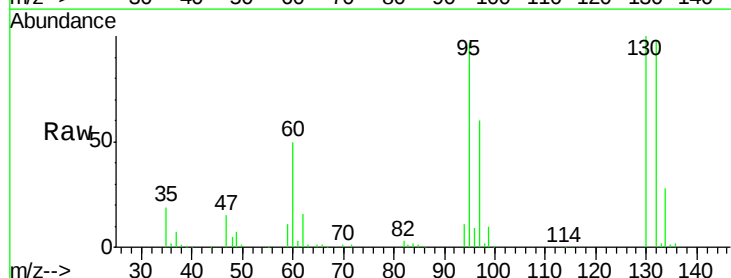
Acq: 14 Aug 2019 23:56

Tgt Ion:130 Resp: 527687

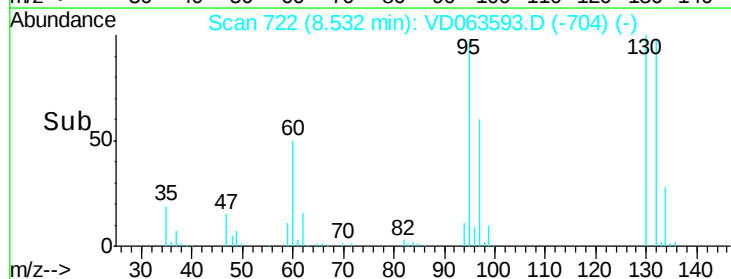
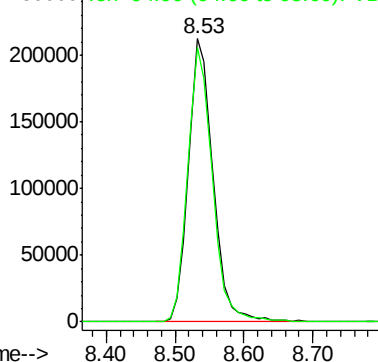
Ion Ratio Lower Upper

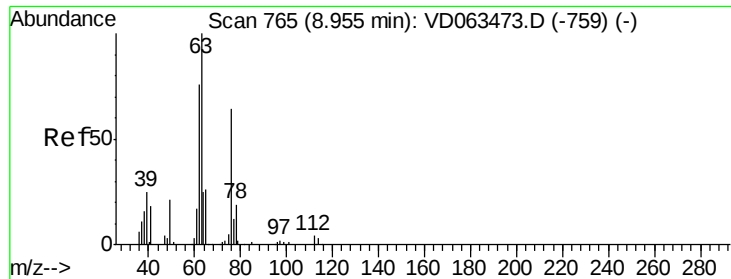
130 100

95 96.7 0.0 198.0



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

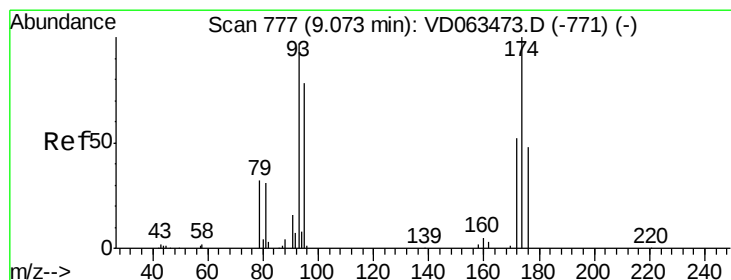
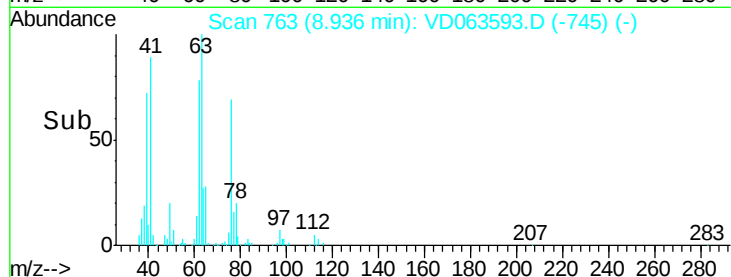
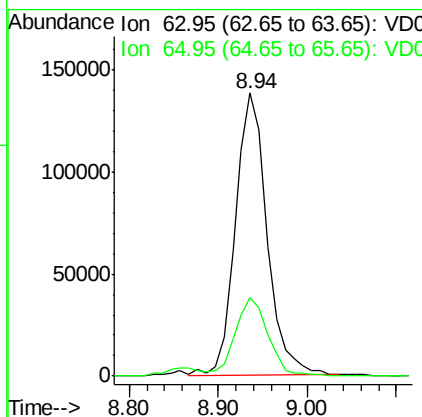
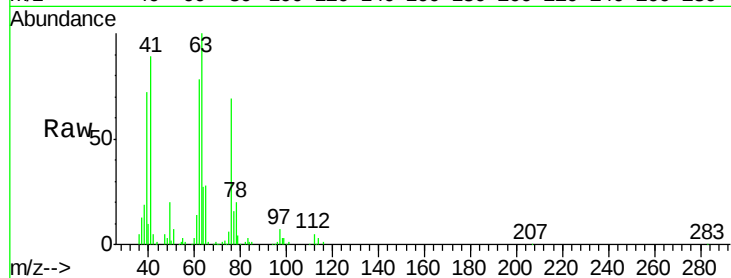




#45
 1,2-Dichloropropane
 Concen: 53.233 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

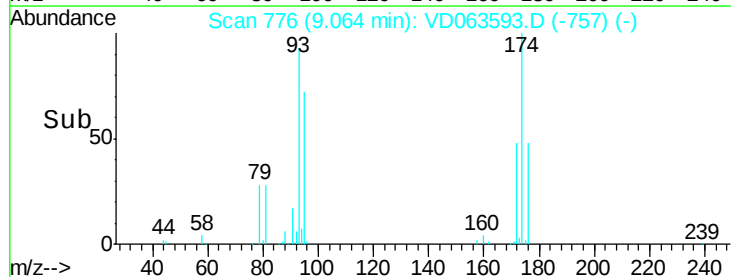
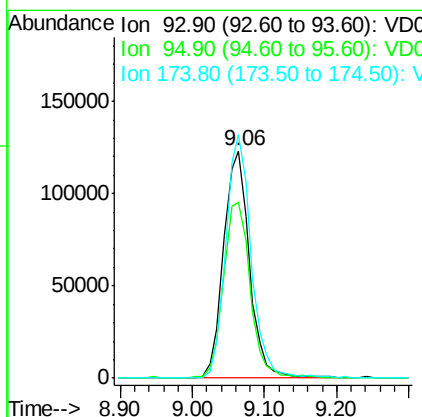
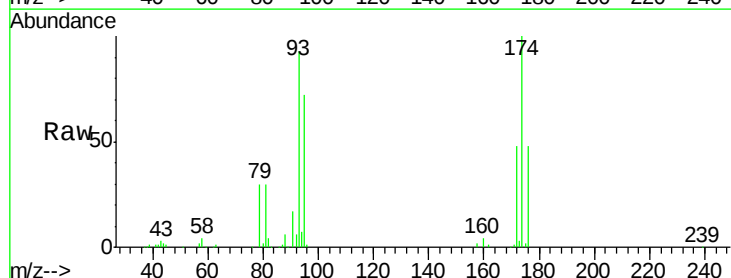
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

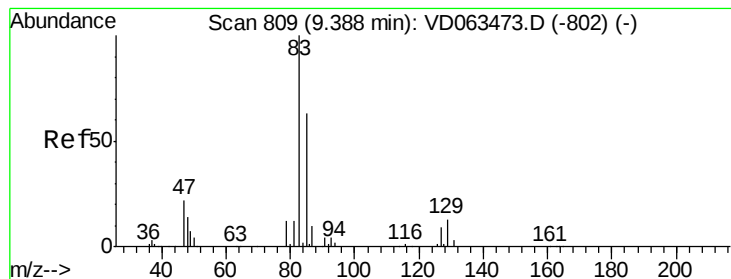
Tot Ion: 63 Resp: 340431
 Ion Ratio Lower Upper
 63 100
 65 27.7 22.5 33.7



#46
 Dibromomethane
 Concen: 55.827 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion: 93 Resp: 304889
 Ion Ratio Lower Upper
 93 100
 95 77.6 64.2 96.2
 174 107.2 82.1 123.1





#47

Bromodichloromethane

Concen: 55.355 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

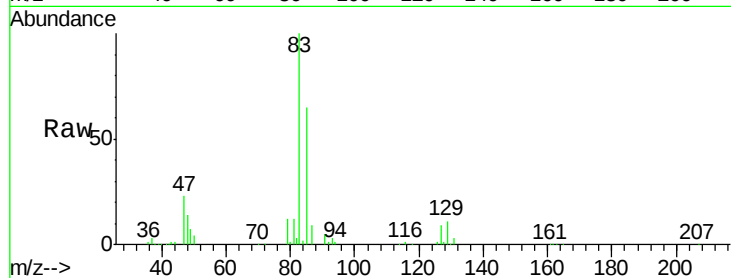
Tot Ion: 83 Resp: 775446

Ion Ratio Lower Upper

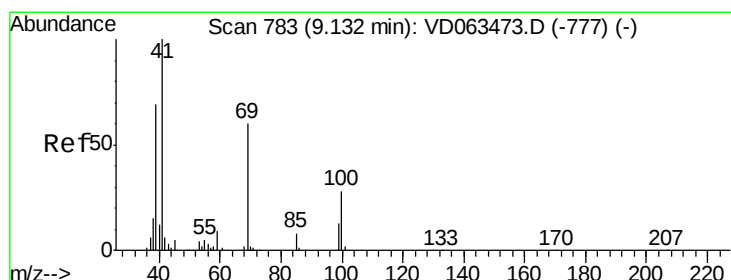
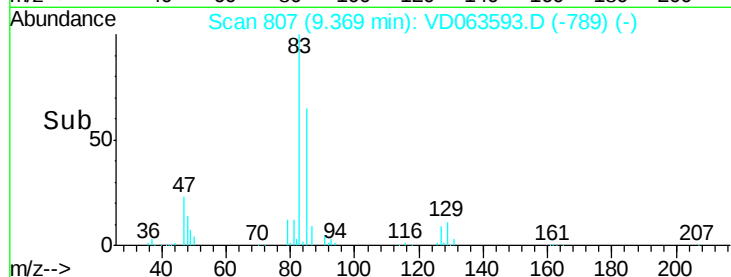
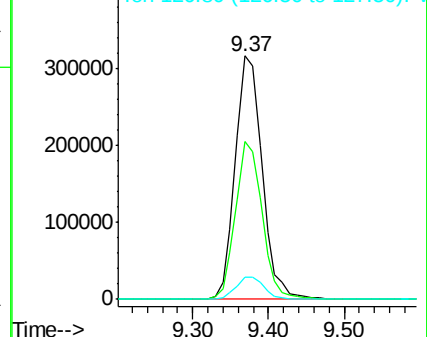
83 100

85 65.1 50.1 75.1

127 9.2 7.6 11.4



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



#48

Methyl methacrylate

Concen: 56.155 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

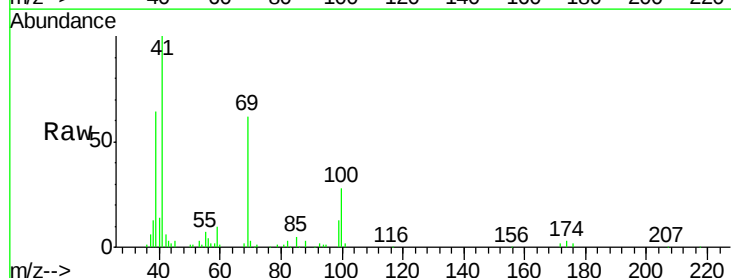
Tgt Ion: 41 Resp: 266706

Ion Ratio Lower Upper

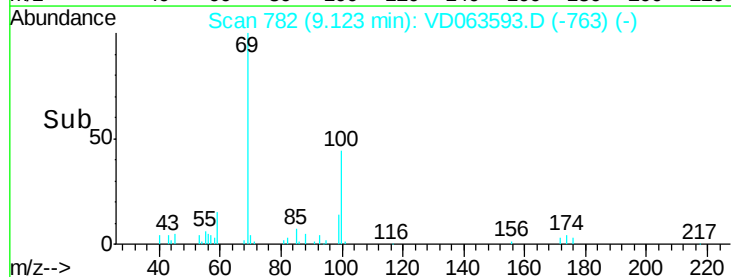
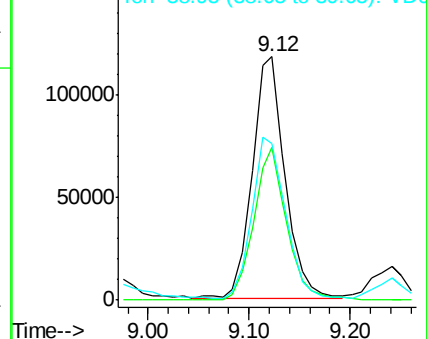
41 100

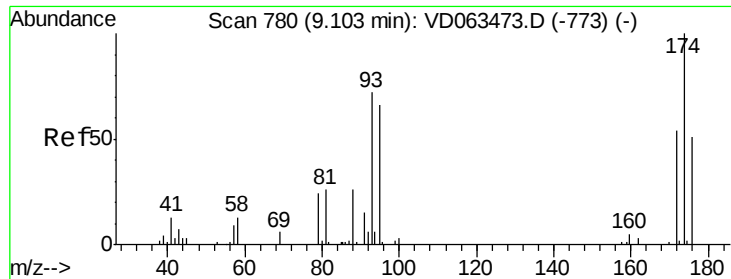
69 62.5 47.6 71.4

39 64.1 55.7 83.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

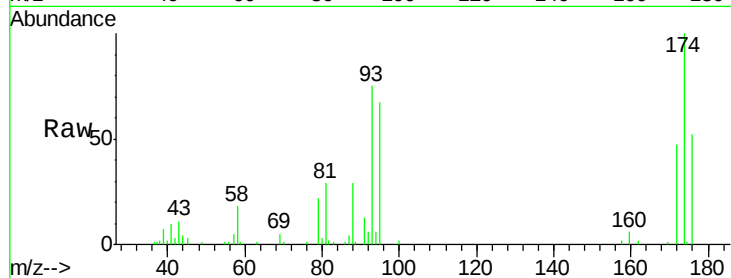




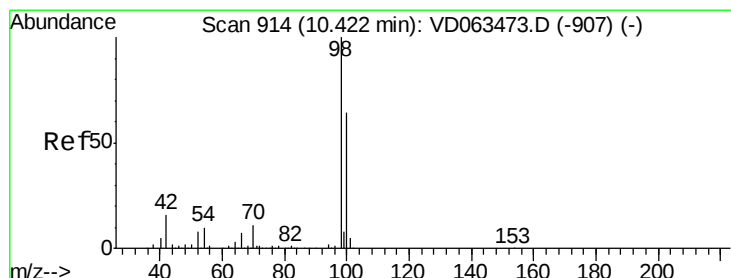
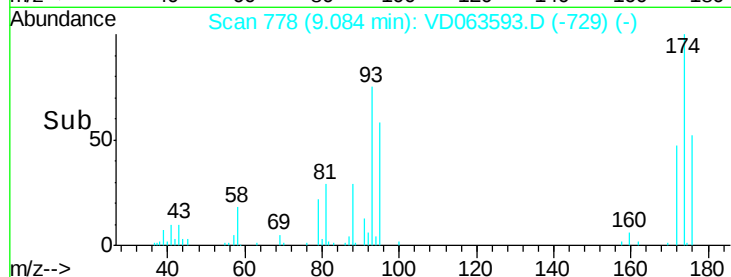
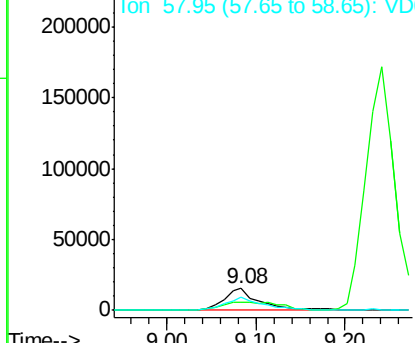
#49
1,4-Dioxane
Concen: 1014.374 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 43037
Ion Ratio Lower Upper
88 100
43 37.7 22.9 34.3#
58 61.9 40.1 60.1#

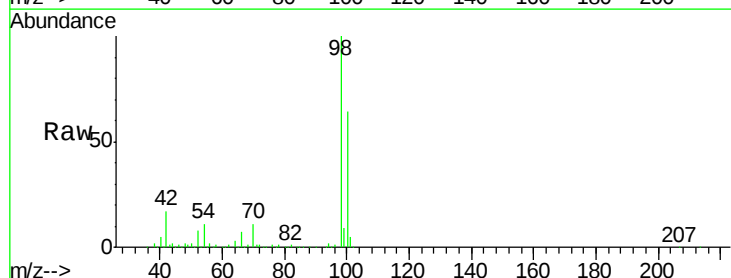


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

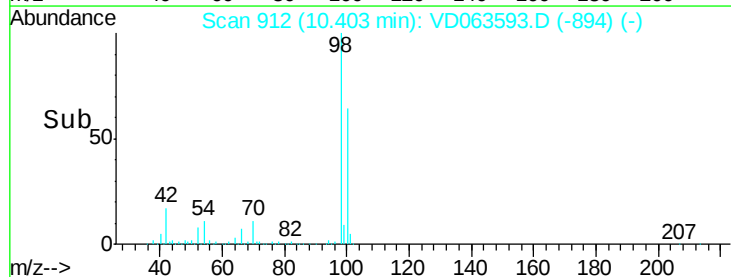
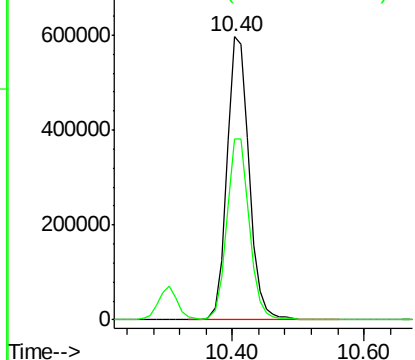


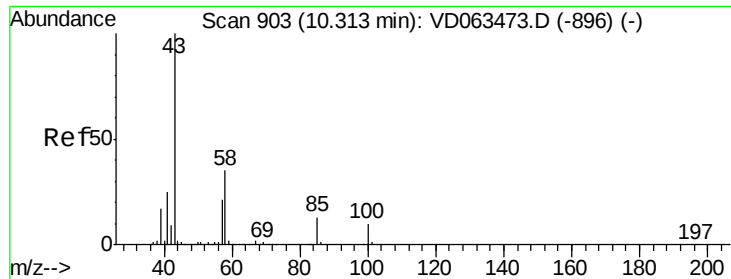
#50
Toluene-d8
Concen: 53.585 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 98 Resp: 1400563
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



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

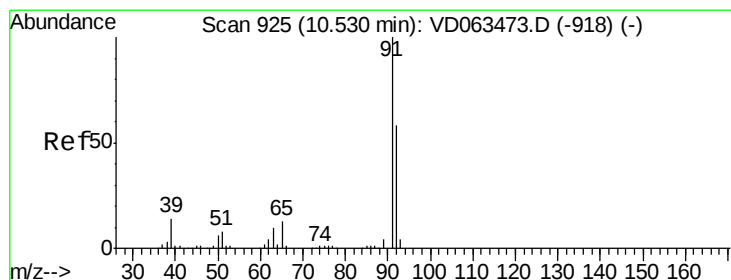
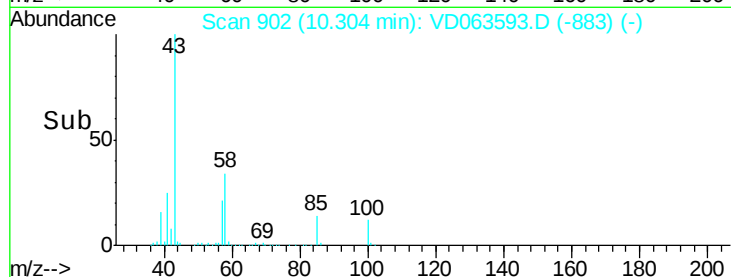
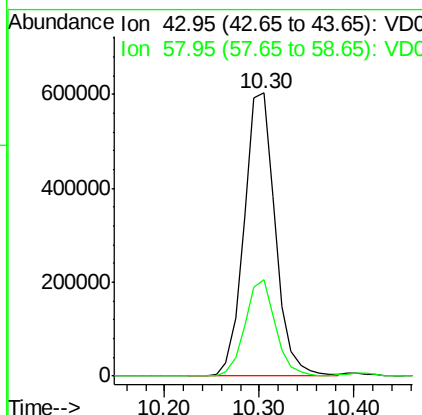
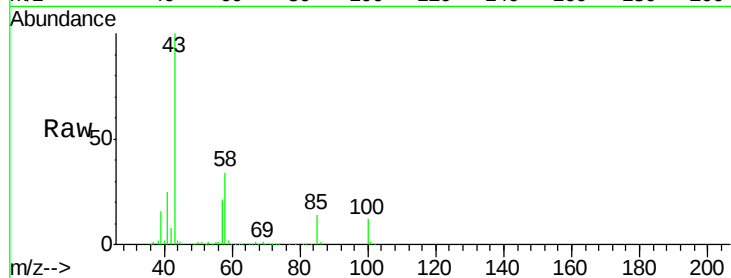




#51
 4-Methyl-2-Pentanone
 Concen: 286.950 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

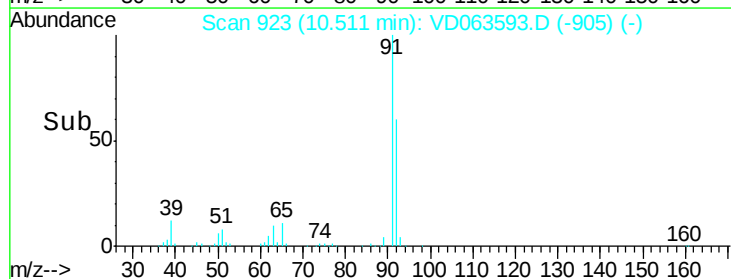
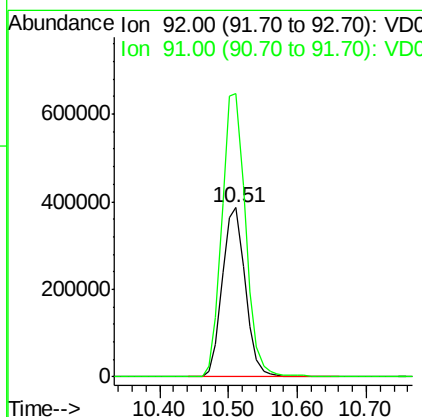
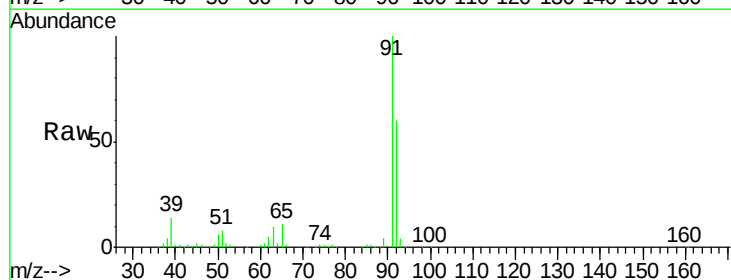
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

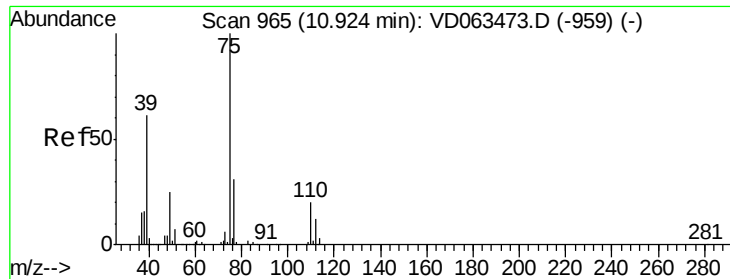
Tot Ion: 43 Resp: 1375103
 Ion Ratio Lower Upper
 43 100
 58 34.1 28.0 42.0



#52
 Toluene
 Concen: 50.771 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion: 92 Resp: 898015
 Ion Ratio Lower Upper
 92 100
 91 167.3 137.9 206.9

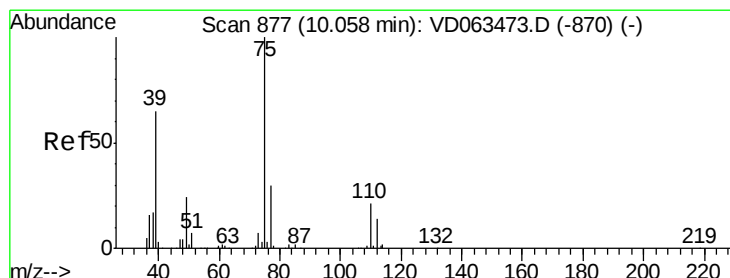
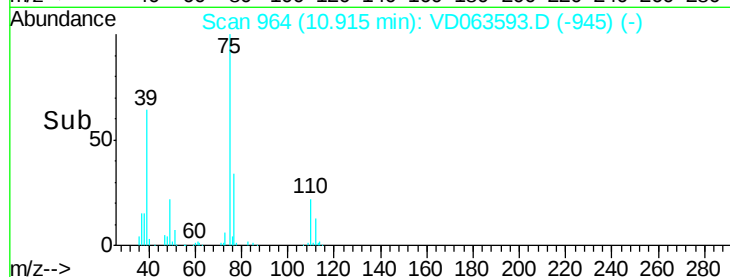
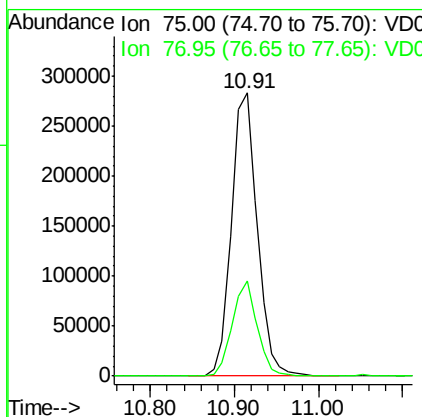
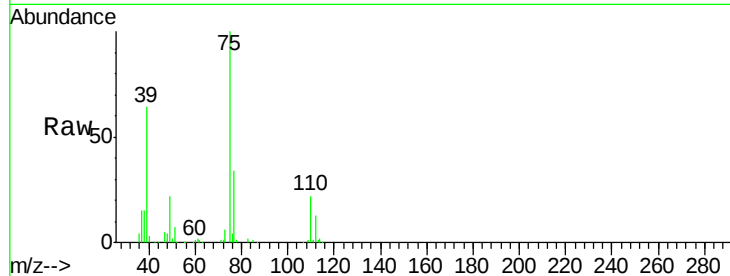




#53
 t-1,3-Dichloropropene
 Concen: 52.953 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

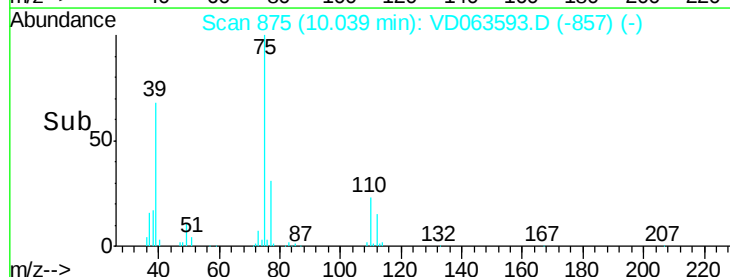
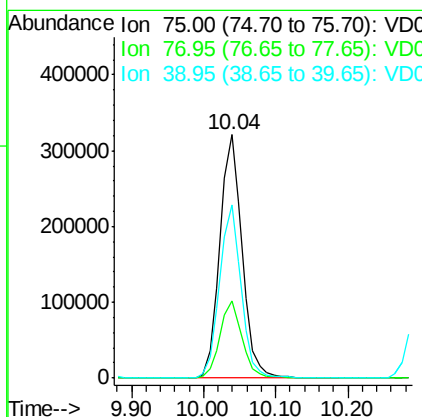
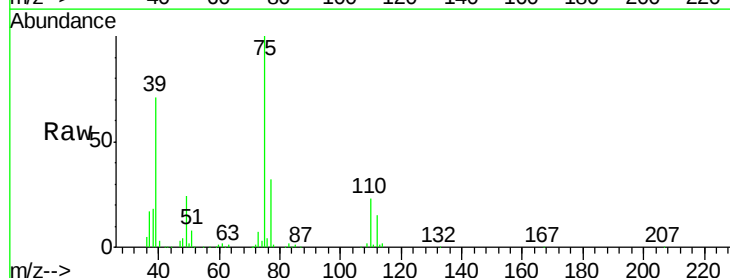
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

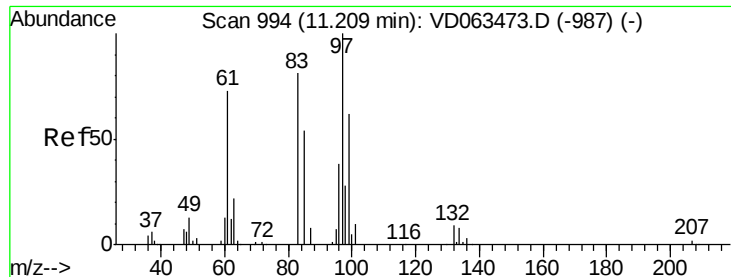
Tot Ion: 75 Resp: 605388
 Ion Ratio Lower Upper
 75 100
 77 33.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.990 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion: 75 Resp: 683099
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.7 35.5
 39 71.1 52.2 78.4

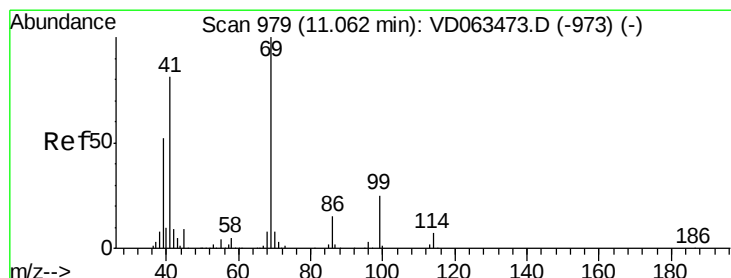
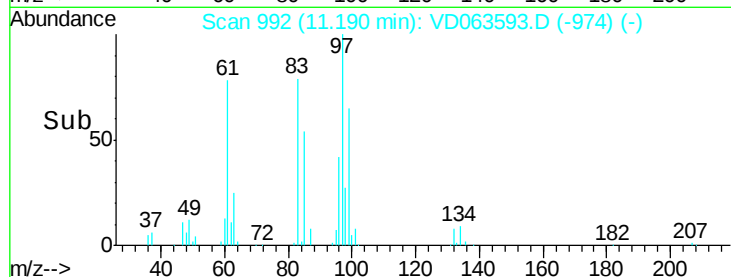
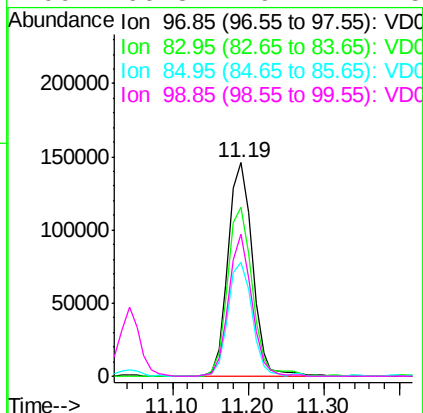
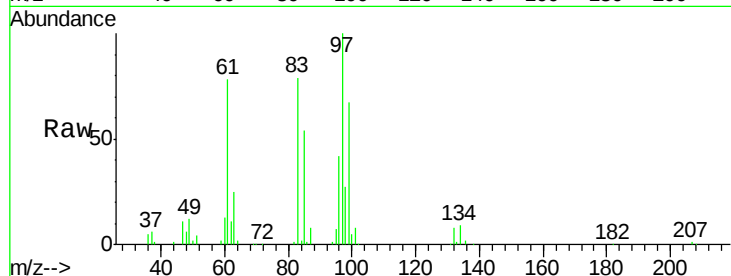




#55
 1,1,2-Trichloroethane
 Concen: 54.608 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

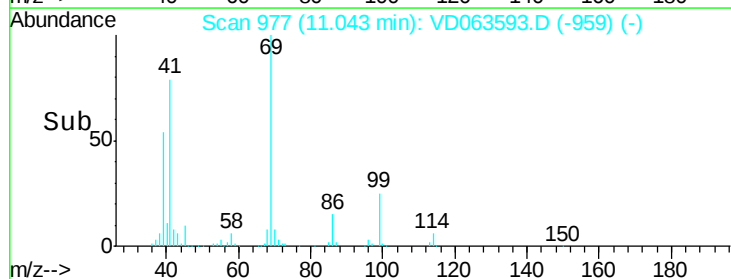
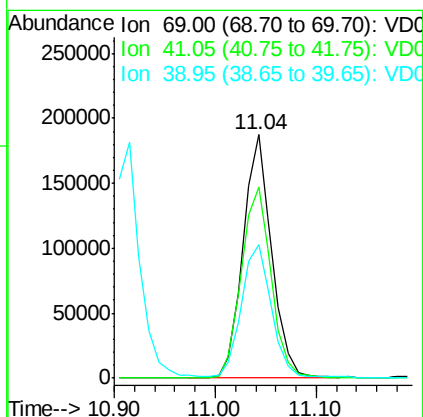
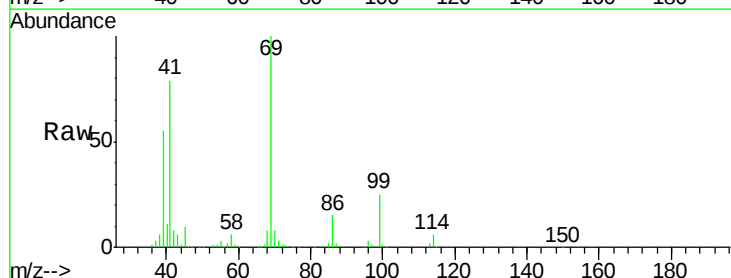
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

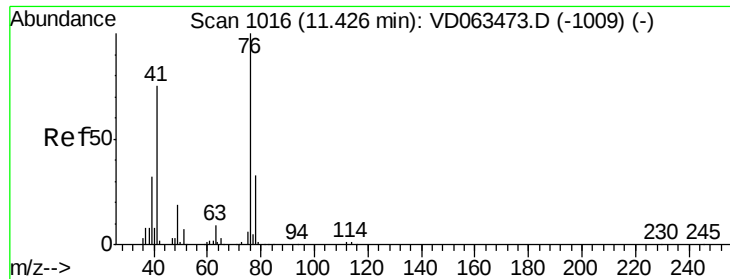
Tot Ion:	97	Resp:	326272
Ion	Ratio	Lower	Upper
97	100		
83	79.4	64.7	97.1
85	53.6	42.9	64.3
99	66.8	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 57.012 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion:	69	Resp:	369725
Ion	Ratio	Lower	Upper
69	100		
41	78.7	64.8	97.2
39	55.0	42.4	63.6





#57

1,3-Dichloropropane

Concen: 54.750 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

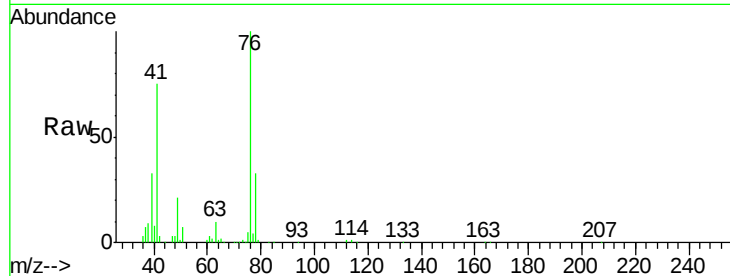
VSTDCCC050EC

Tot Ion: 76 Resp: 494469

Ion Ratio Lower Upper

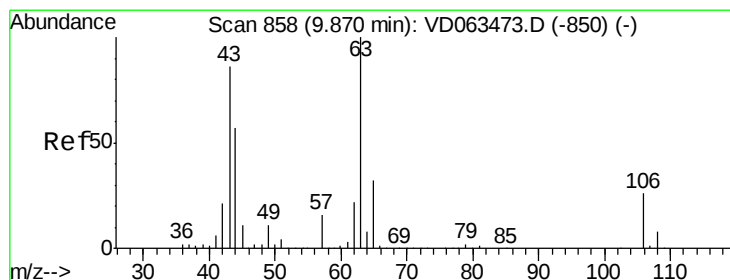
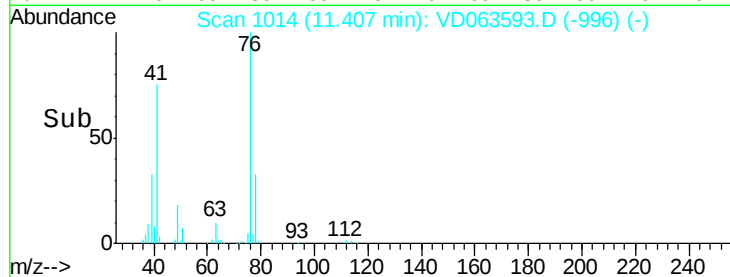
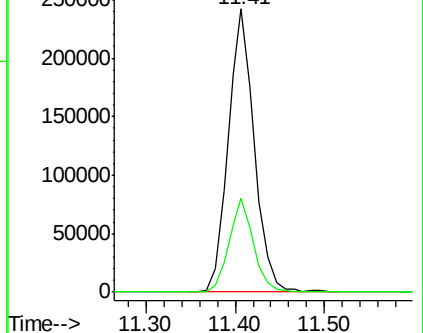
76 100

78 33.3 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 276.778 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD063593.D

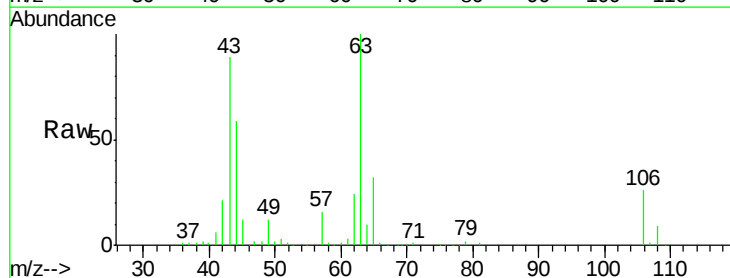
Acq: 14 Aug 2019 23:56

Tgt Ion: 63 Resp: 947596

Ion Ratio Lower Upper

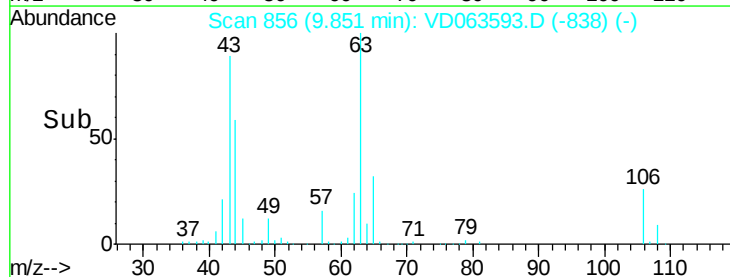
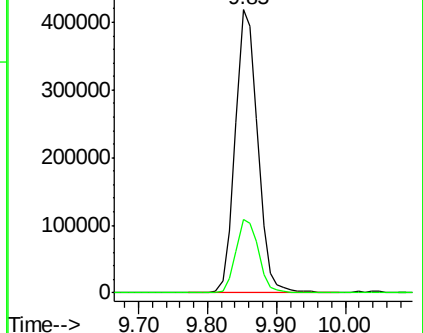
63 100

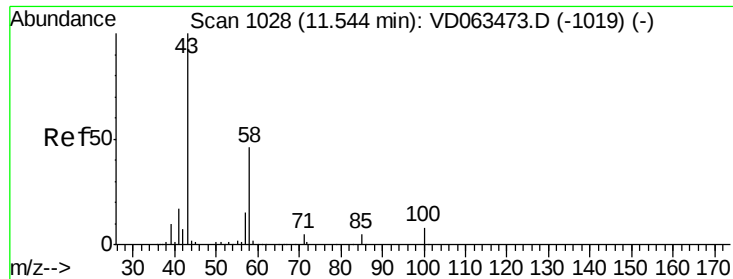
106 26.0 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

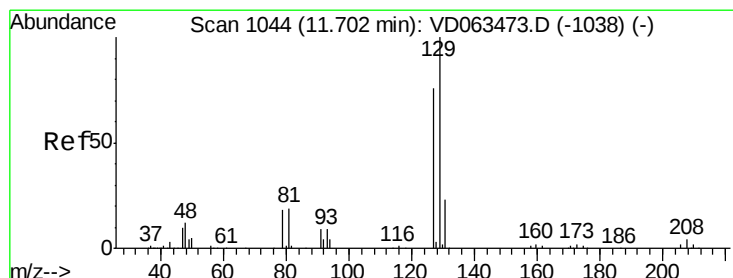
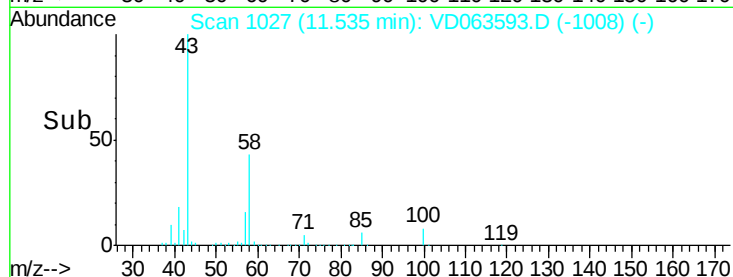
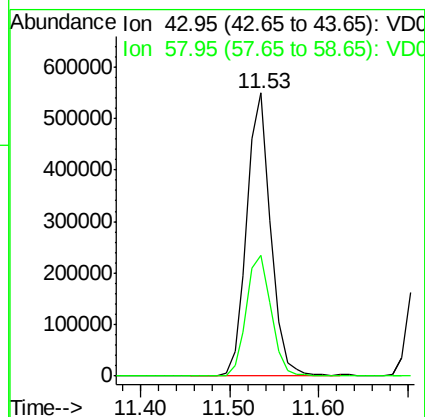
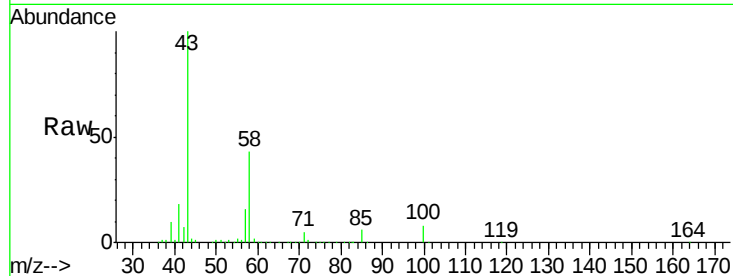




#59
2-Hexanone
Concen: 291.706 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

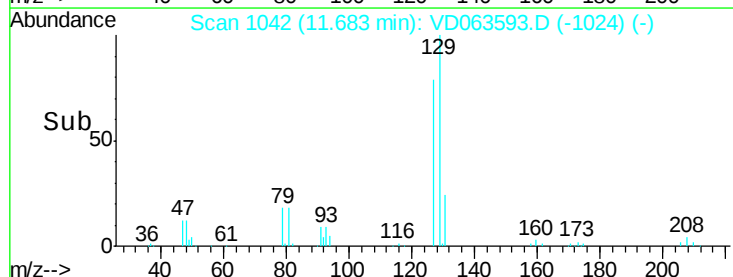
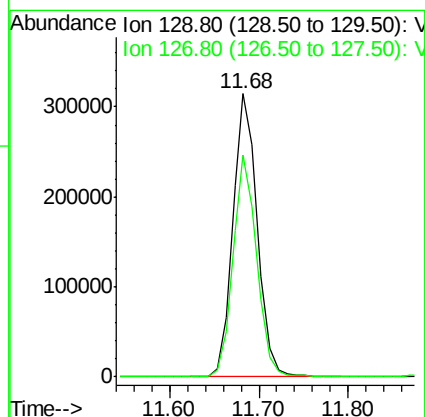
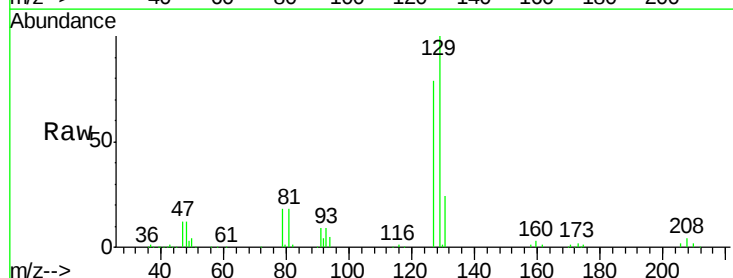
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

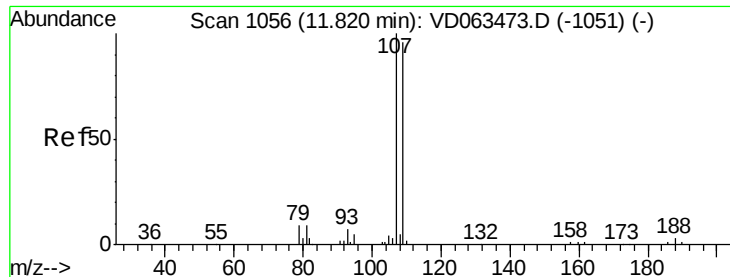
Tot Ion: 43 Resp: 1017145
Ion Ratio Lower Upper
43 100
58 42.9 23.1 69.2



#60
Dibromochloromethane
Concen: 55.482 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 129 Resp: 603206
Ion Ratio Lower Upper
129 100
127 78.6 37.8 113.4

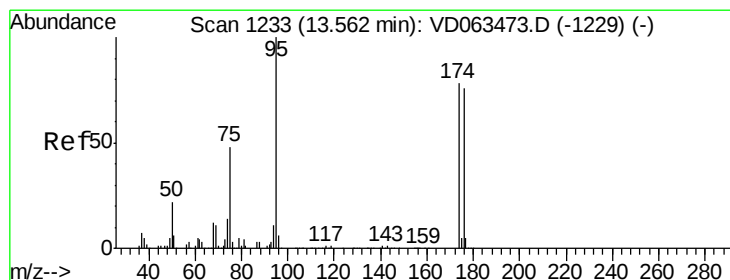
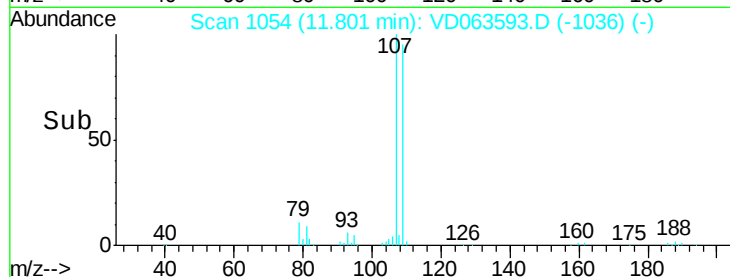
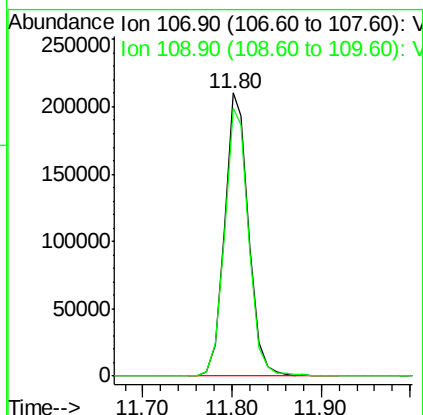
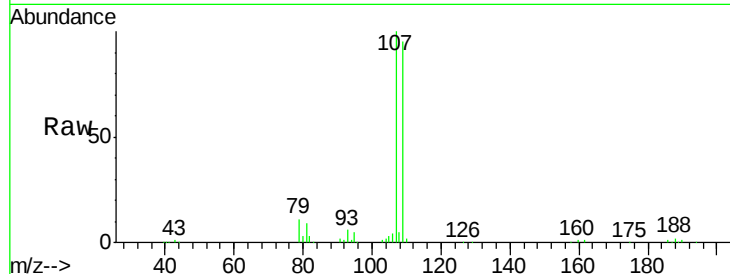




#61
 1,2-Dibromoethane
 Concen: 54.938 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

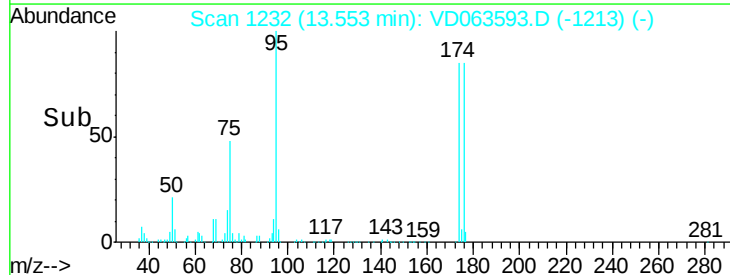
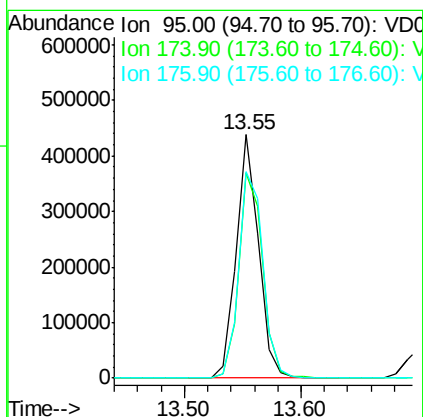
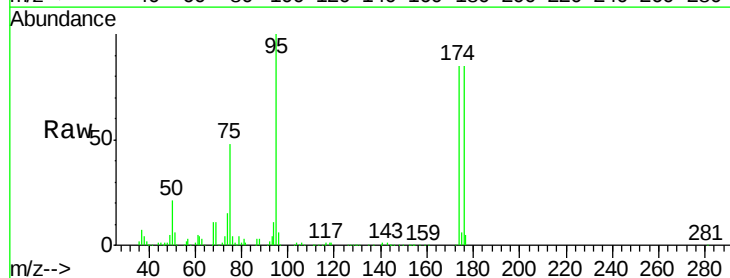
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

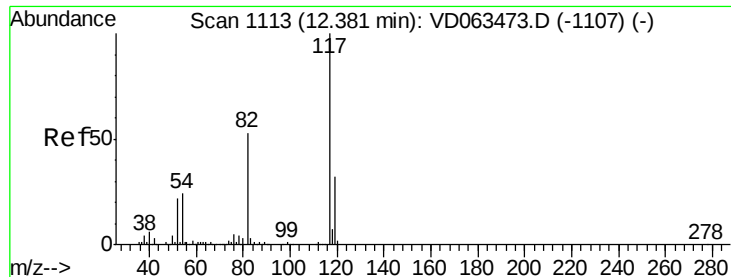
Tot Ion: 107 Resp: 397368
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.899 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion: 95 Resp: 579284
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 155.4
 176 84.7 0.0 152.4

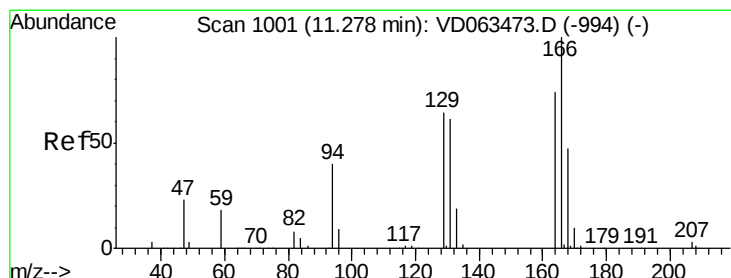
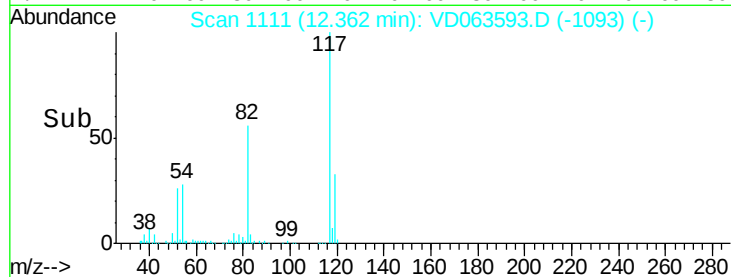
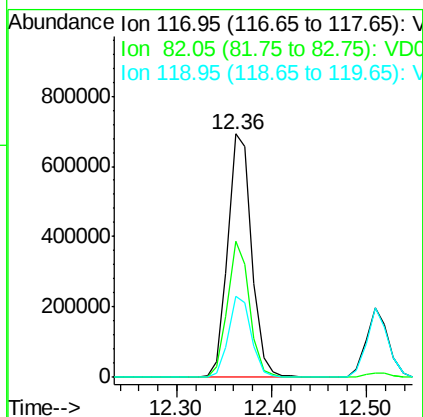
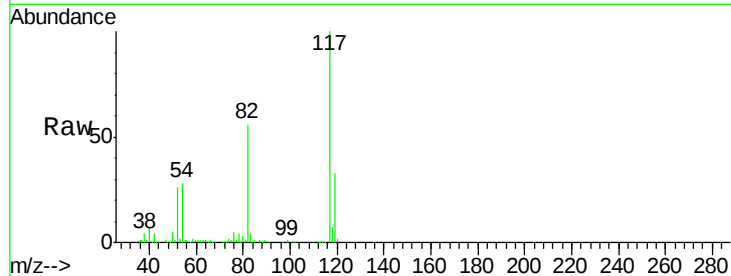




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

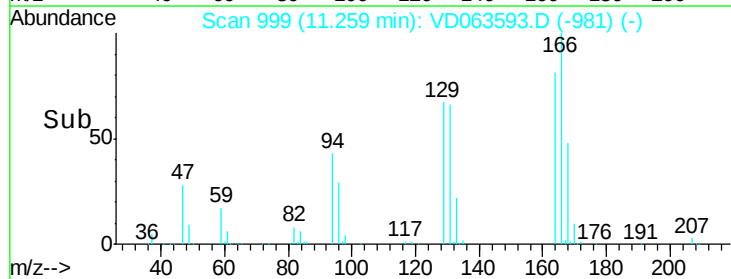
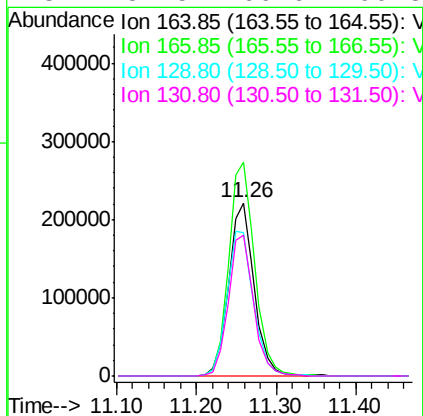
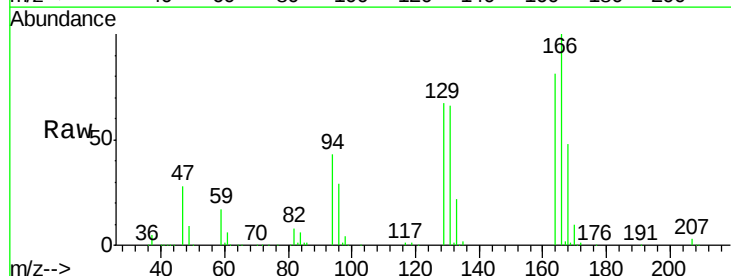
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

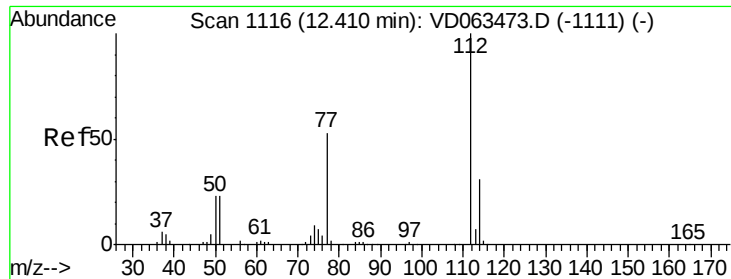
Tot Ion:117 Resp: 1208073
Ion Ratio Lower Upper
117 100
82 56.2 42.0 63.0
119 33.0 25.4 38.0



#64
Tetrachloroethene
Concen: 53.058 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion:164 Resp: 494820
Ion Ratio Lower Upper
164 100
166 123.3 108.6 163.0
129 82.5 69.0 103.6
131 81.5 66.6 99.8





#65

Chlorobenzene

Concen: 51.287 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

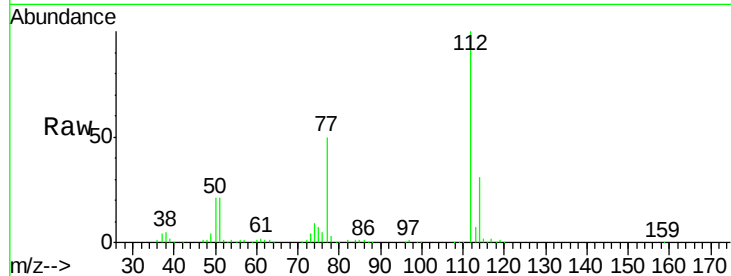
VSTDCCC050EC

Tot Ion:112 Resp: 1161243

Ion Ratio Lower Upper

112 100

114 31.0 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.40

800000

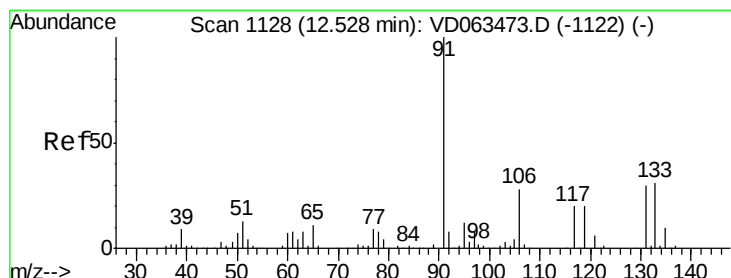
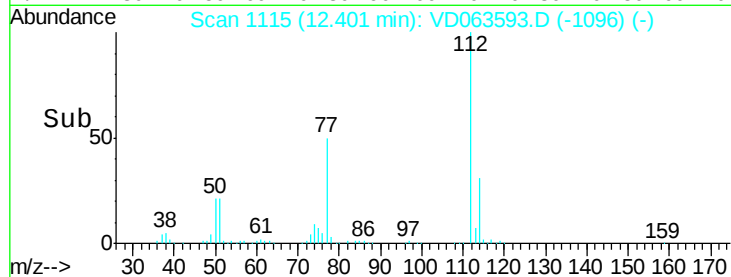
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.030 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

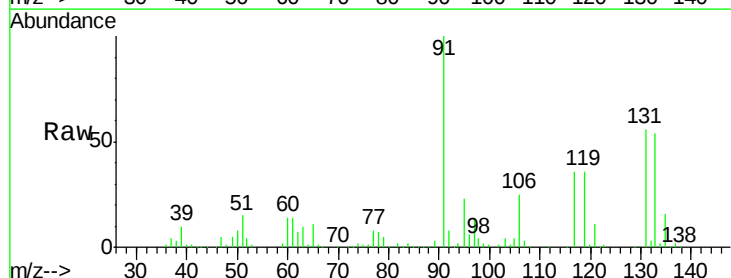
Tgt Ion:131 Resp: 508500

Ion Ratio Lower Upper

131 100

133 96.4 51.1 153.3

119 64.9 33.1 99.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.51

400000

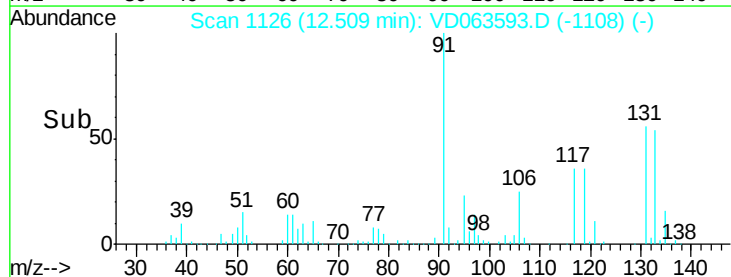
300000

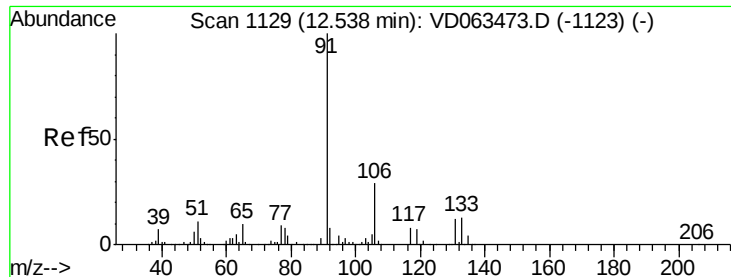
200000

100000

0

Time-->

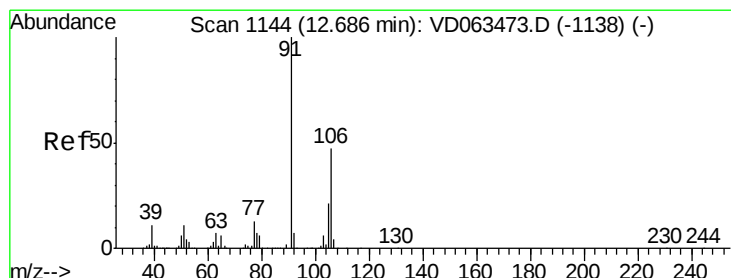
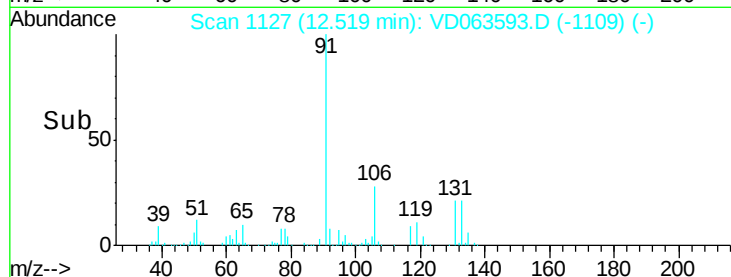
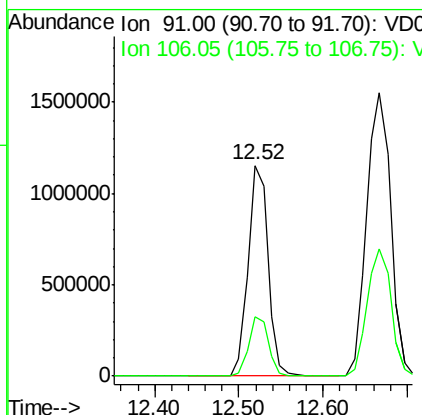
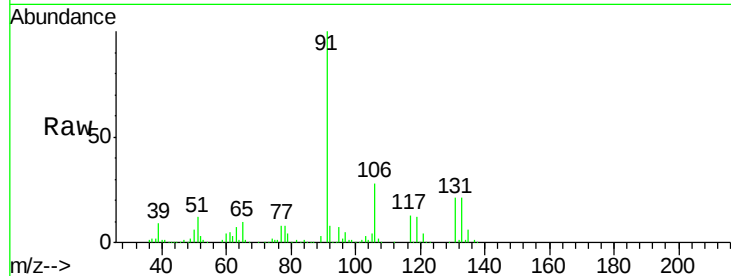




#67
Ethyl Benzene
Concen: 48.739 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

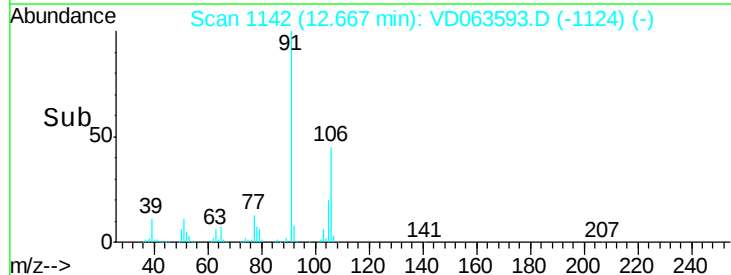
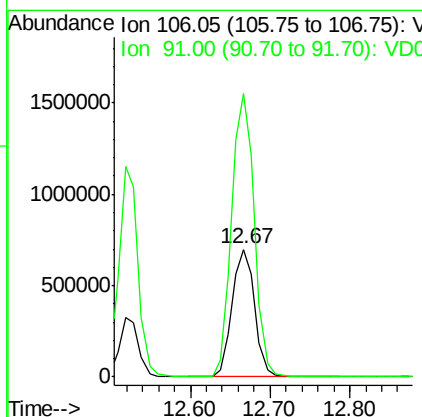
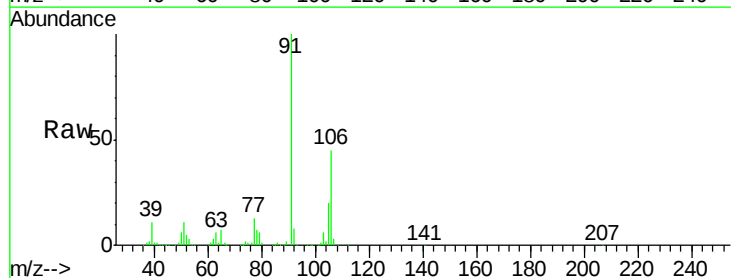
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

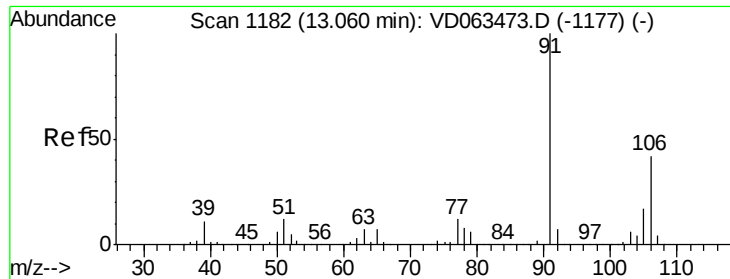
Tot Ion: 91 Resp: 1918834
Ion Ratio Lower Upper
91 100
106 28.3 23.1 34.7



#68
m/p-Xylenes
Concen: 100.131 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 106 Resp: 1384969
Ion Ratio Lower Upper
106 100
91 222.1 171.8 257.8

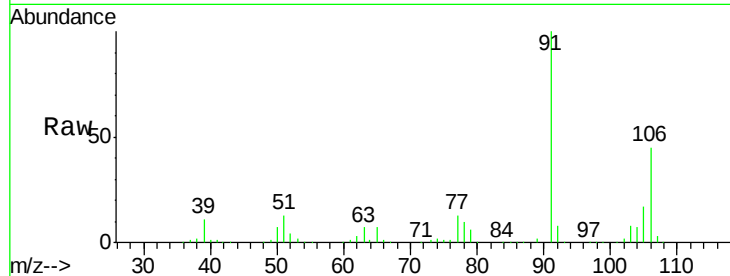




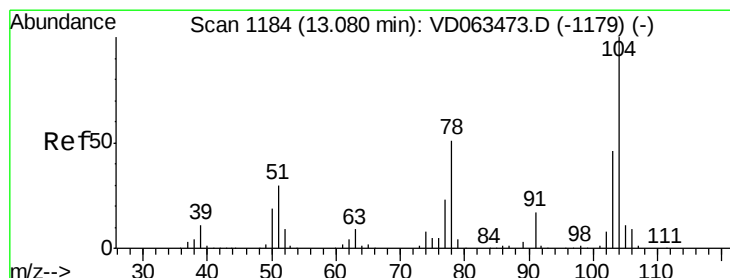
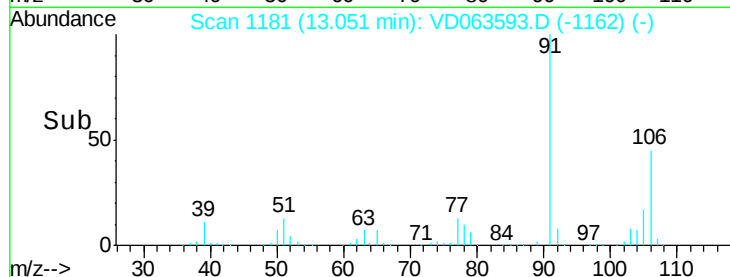
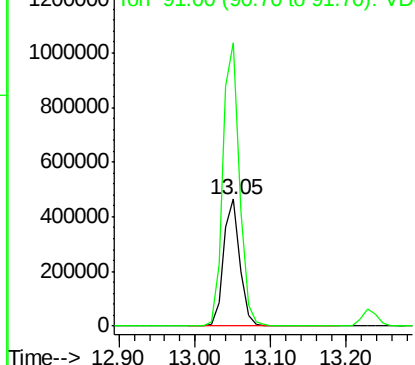
#69
o-Xylene
Concen: 51.820 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 689856
Ion Ratio Lower Upper
106 100
91 223.6 118.1 354.2

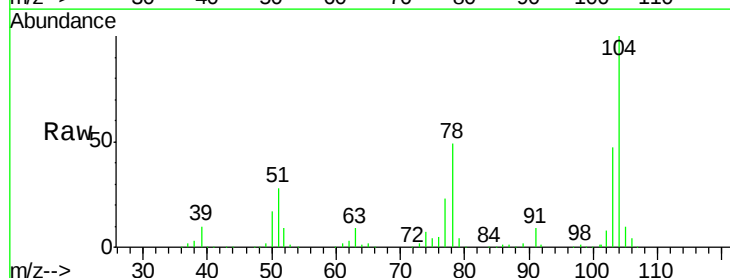


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

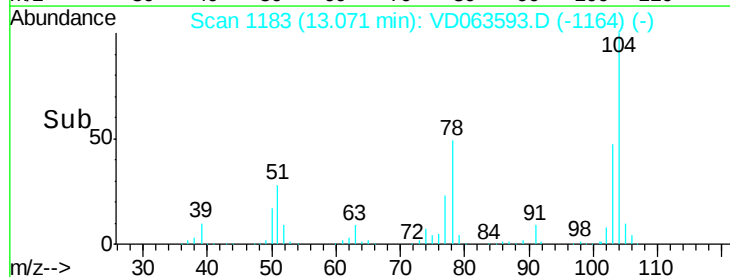
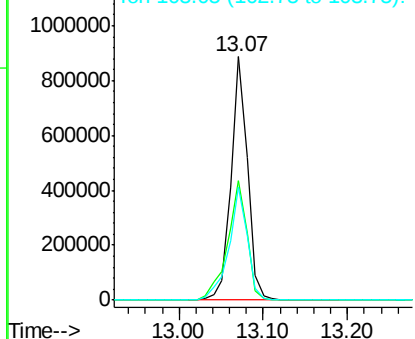


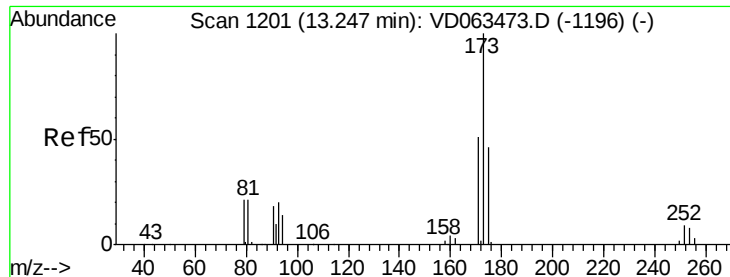
#70
Styrene
Concen: 50.701 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion:104 Resp: 1200600
Ion Ratio Lower Upper
104 100
78 49.2 40.8 61.2
103 46.7 36.4 54.6



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

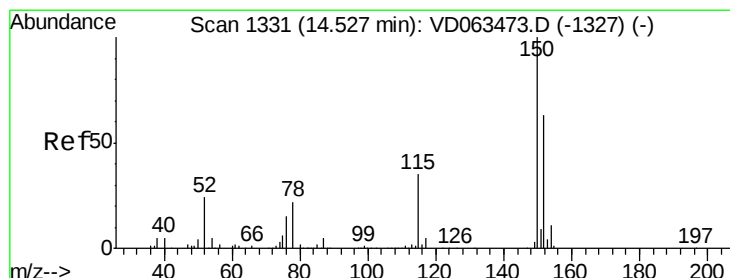
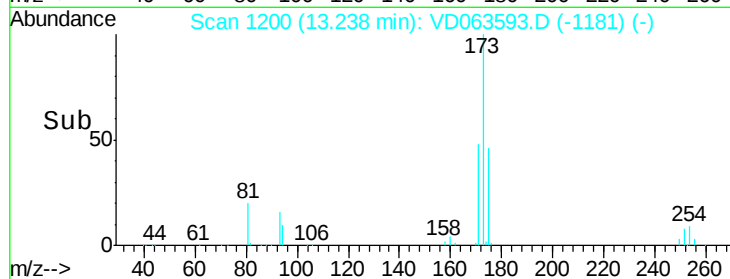
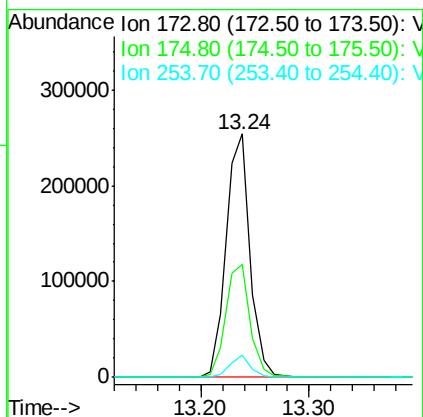
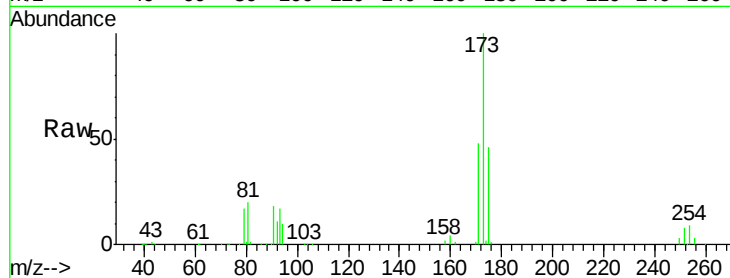




#71
Bromoform
Concen: 57.112 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

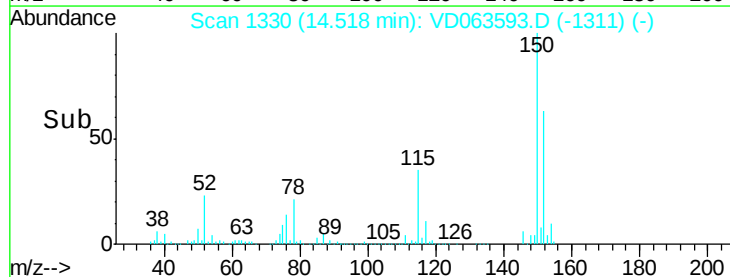
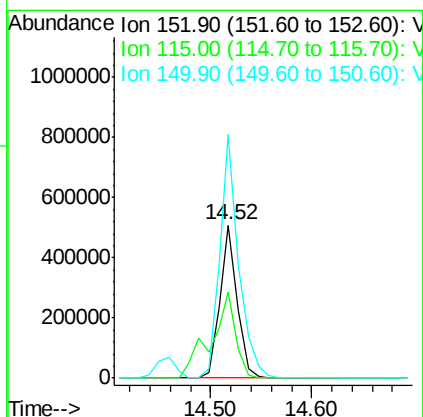
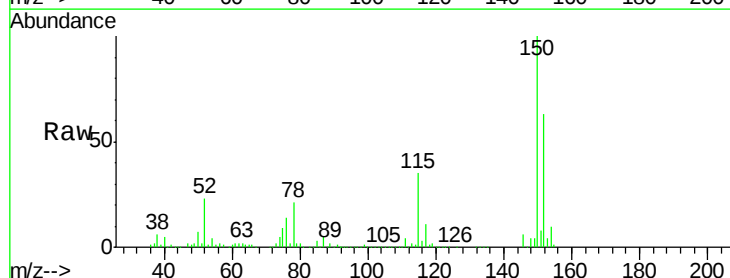
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

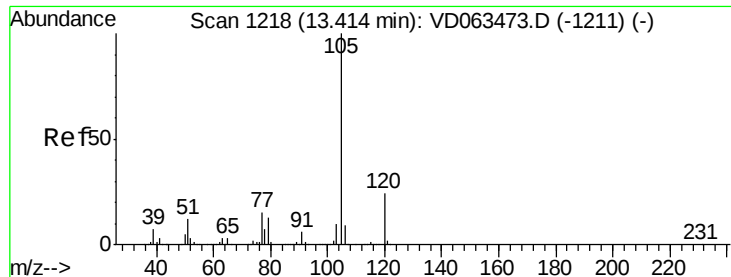
Tot Ion:173 Resp: 390232
Ion Ratio Lower Upper
173 100
175 46.5 22.8 68.3
254 9.2 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion:152 Resp: 608619
Ion Ratio Lower Upper
152 100
115 56.2 30.9 92.7
150 159.0 0.0 318.6





#73

Isopropylbenzene

Concen: 50.574 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

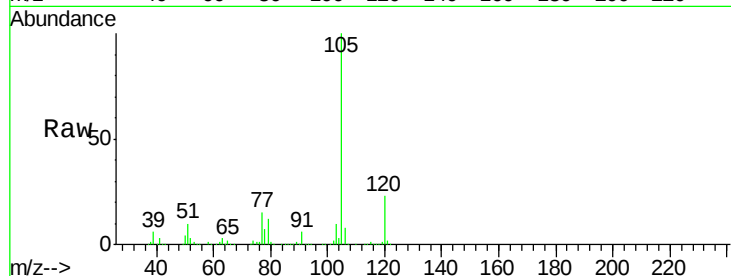
VSTDCCC050EC

Tot Ion:105 Resp: 1957784

Ion Ratio Lower Upper

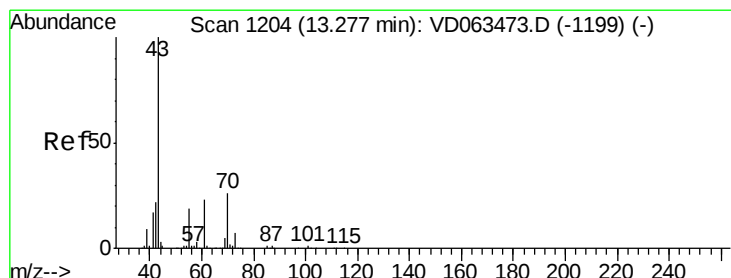
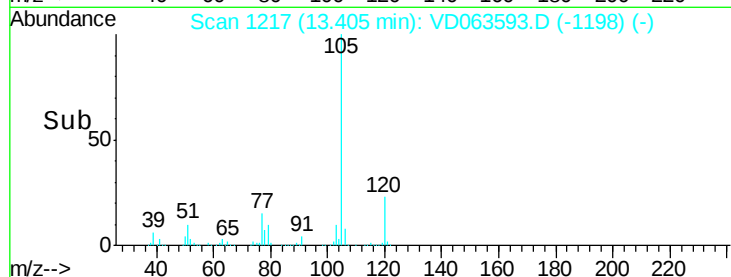
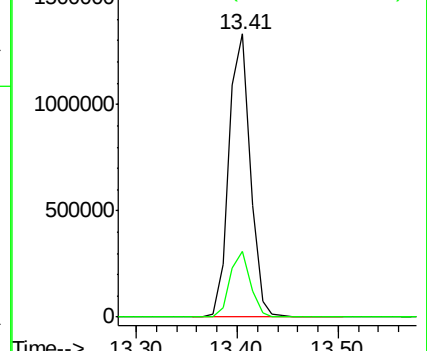
105 100

120 23.2 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: 59.425 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Tgt Ion: 43 Resp: 577479

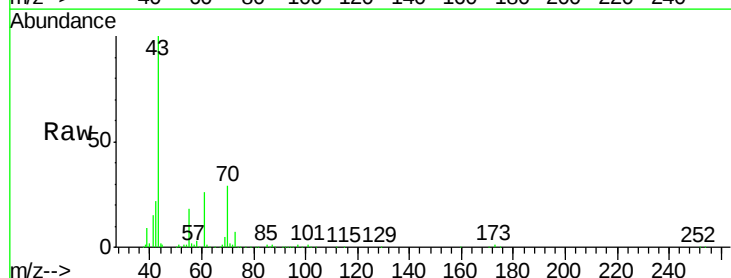
Ion Ratio Lower Upper

43 100

70 29.1 21.1 31.7

55 17.5 15.4 23.0

61 25.6 18.2 27.2

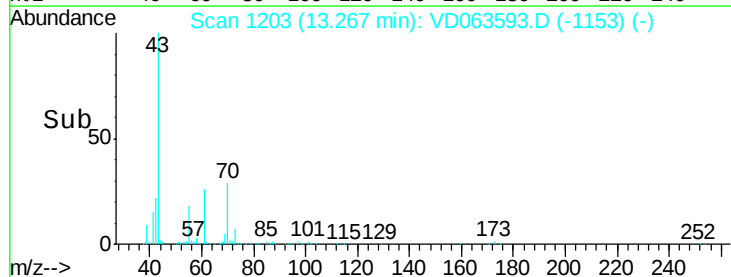
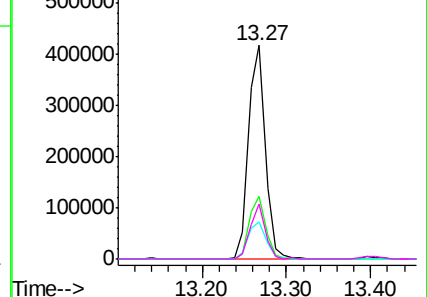


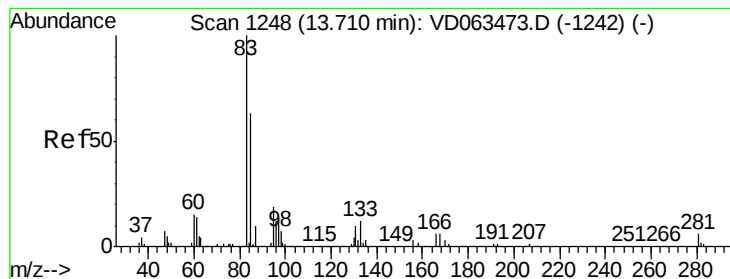
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 61.547 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

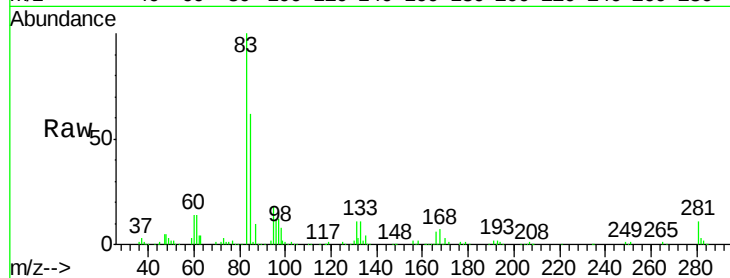
Tot Ion: 83 Resp: 395461

Ion Ratio Lower Upper

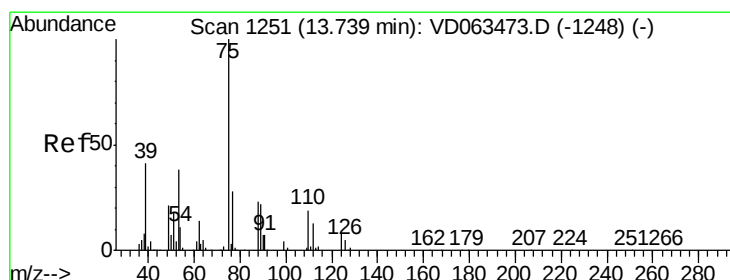
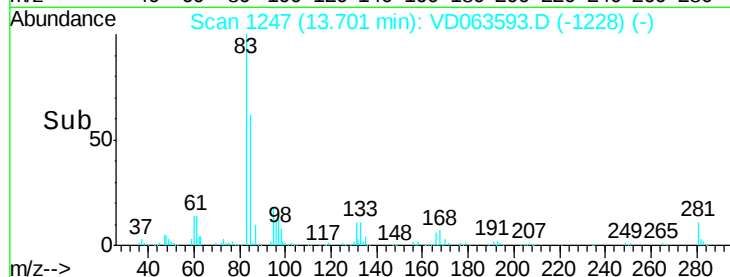
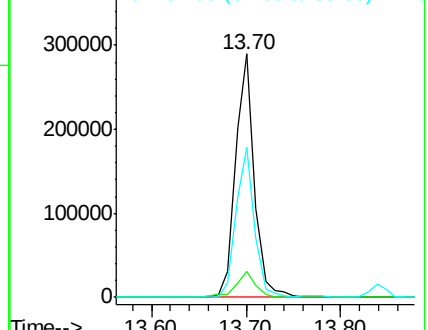
83 100

131 10.8 5.3 15.8

85 61.7 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.267 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063593.D

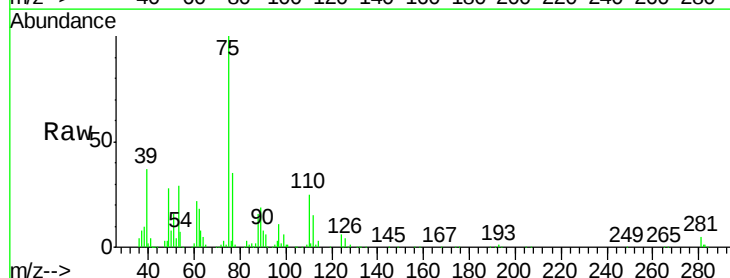
Acq: 14 Aug 2019 23:56

Tgt Ion: 75 Resp: 372065

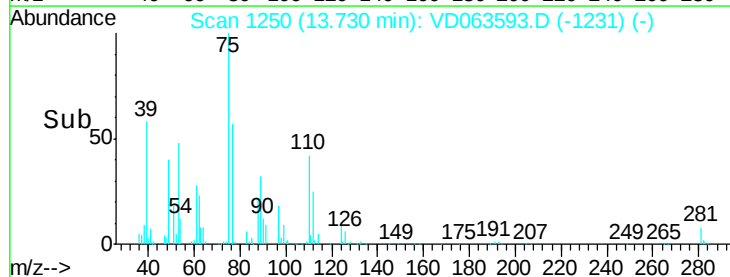
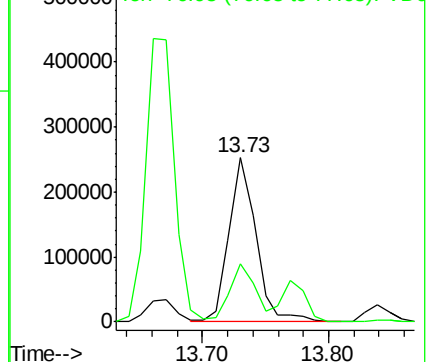
Ion Ratio Lower Upper

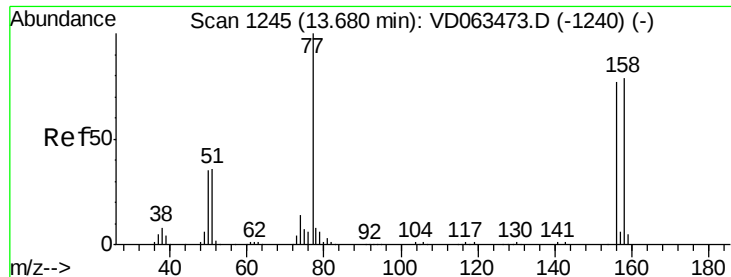
75 100

77 35.4 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.325 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

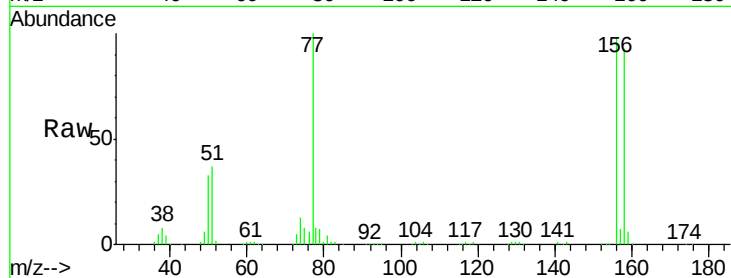
Tot Ion:156 Resp: 564177

Ion Ratio Lower Upper

156 100

77 101.9 64.6 193.8

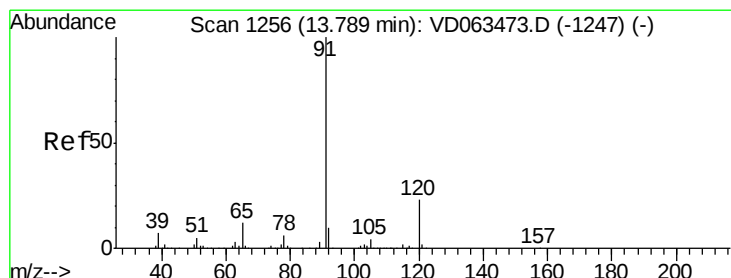
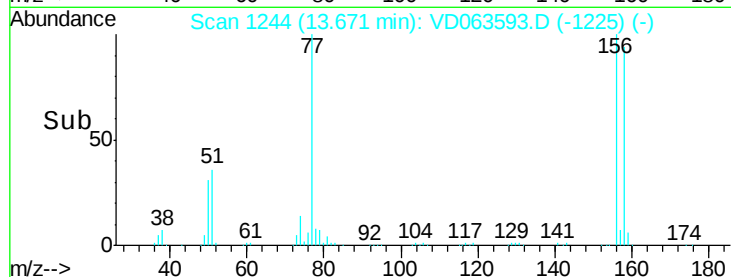
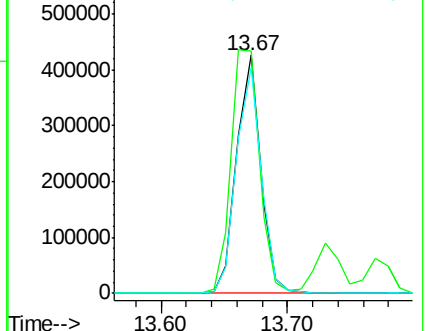
158 94.7 50.9 152.7



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: 46.906 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063593.D

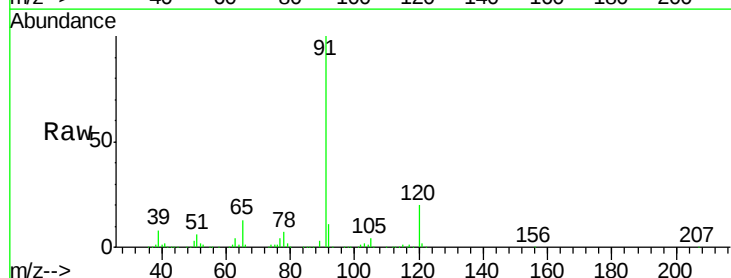
Acq: 14 Aug 2019 23:56

Tgt Ion: 91 Resp: 2124572

Ion Ratio Lower Upper

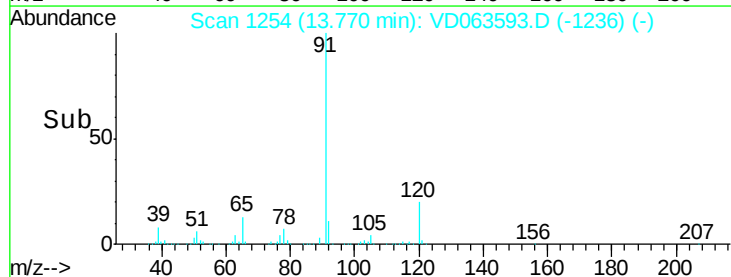
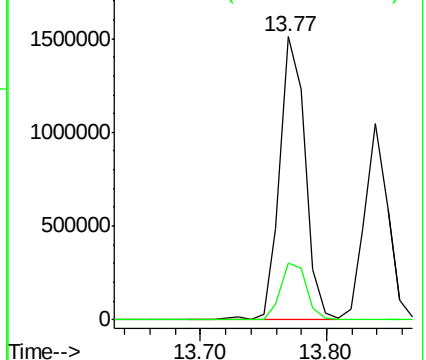
91 100

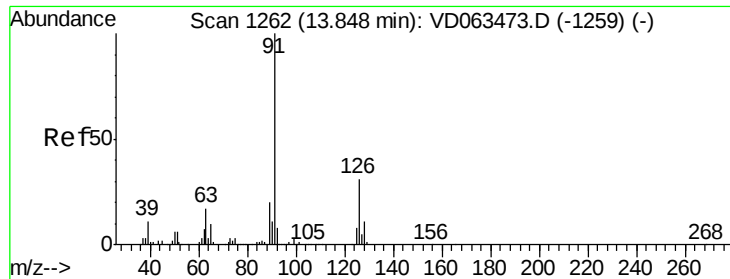
120 20.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.853 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

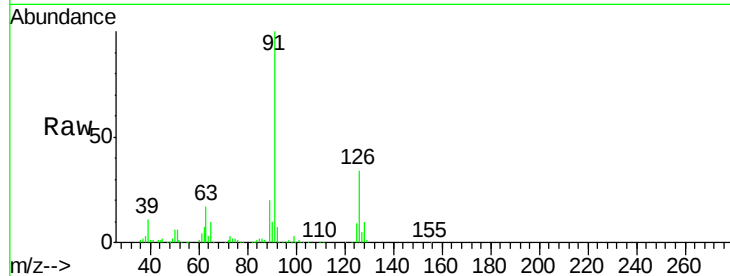
VSTDCCC050EC

Tot Ion: 91 Resp: 1354177

Ion Ratio Lower Upper

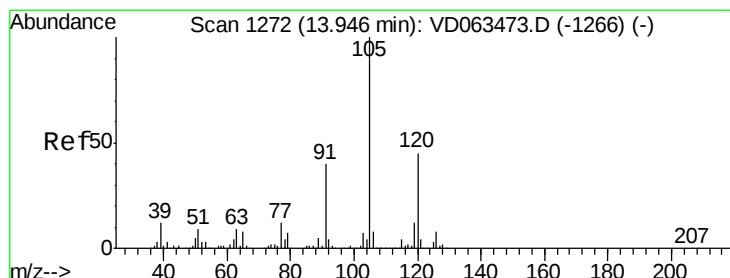
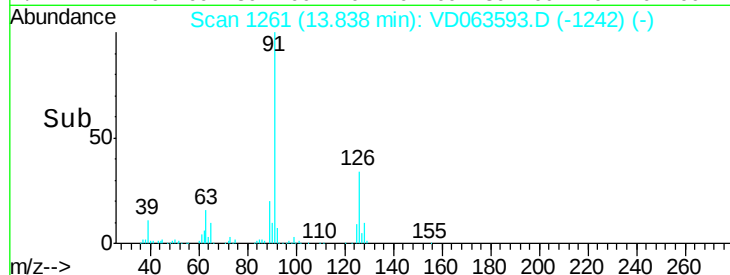
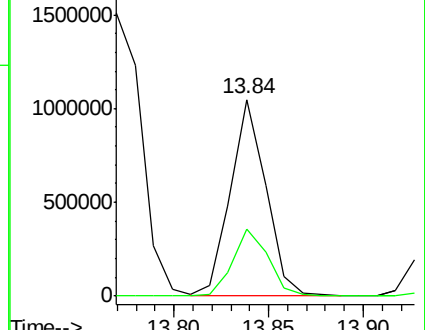
91 100

126 34.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.900 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063593.D

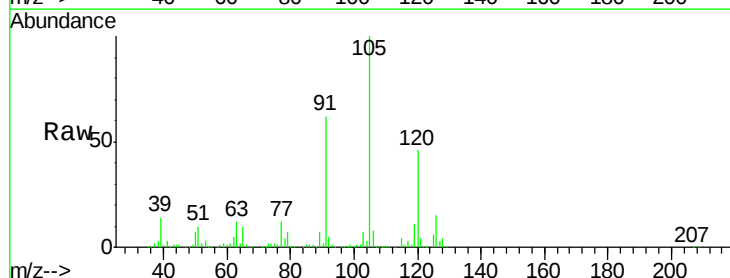
Acq: 14 Aug 2019 23:56

Tgt Ion:105 Resp: 1721618

Ion Ratio Lower Upper

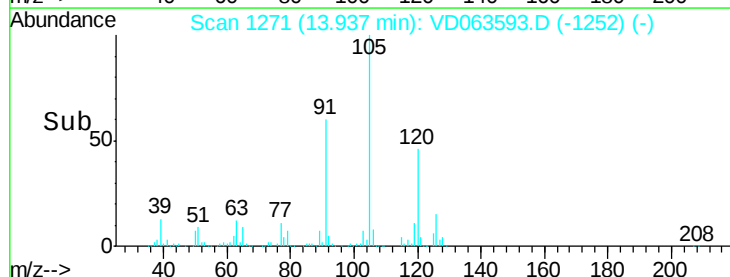
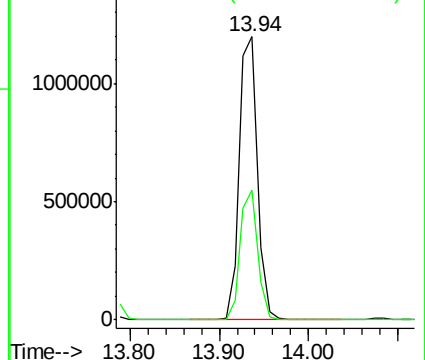
105 100

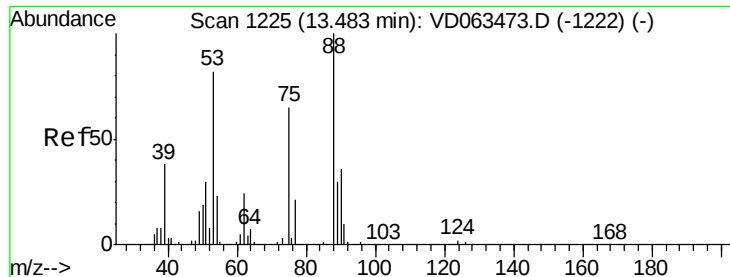
120 45.9 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

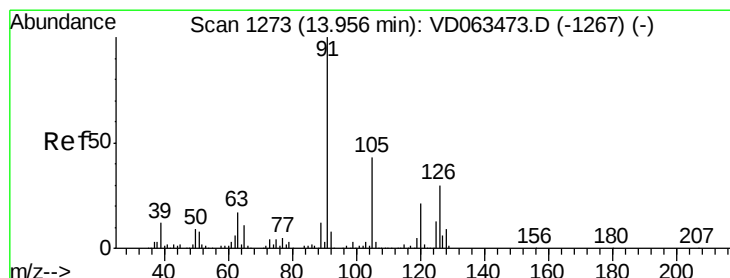
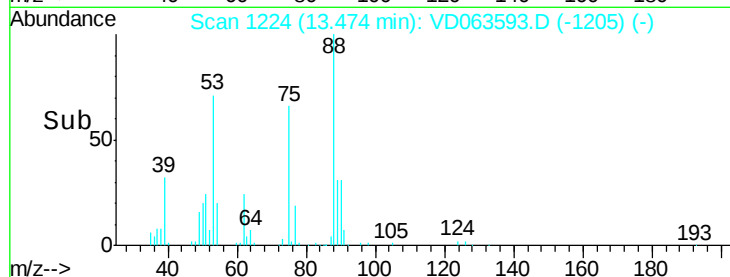
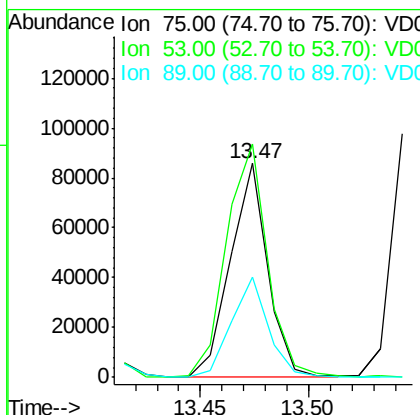
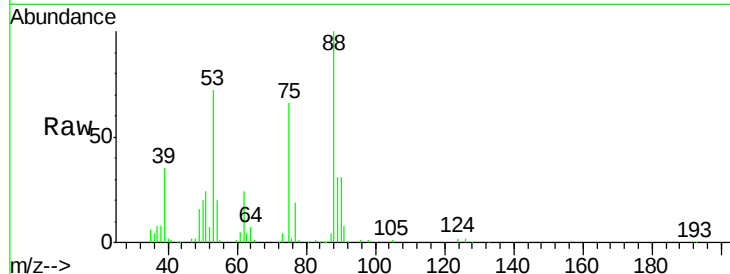




#81
trans-1,4-Dichloro-2-butene
Concen: 55.268 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

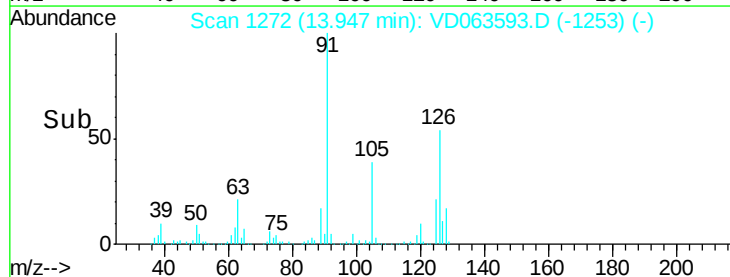
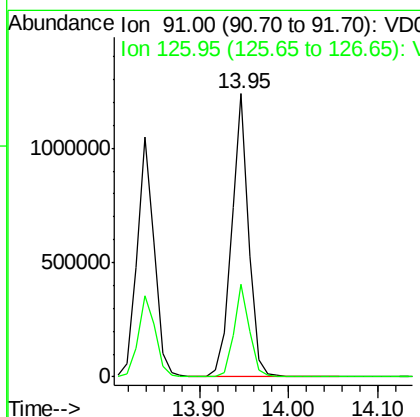
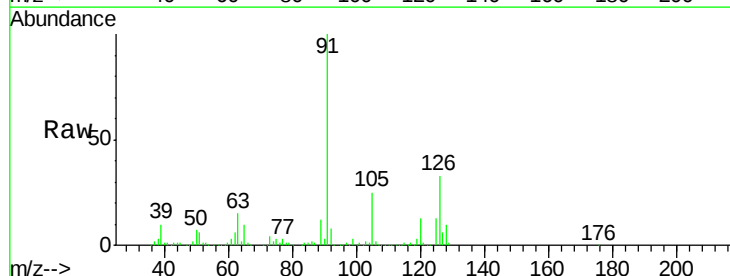
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

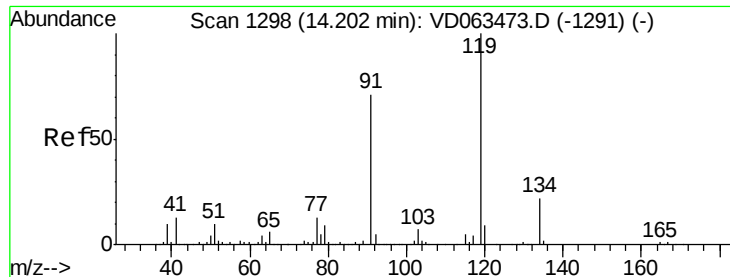
Tot Ion: 75 Resp: 103758
Ion Ratio Lower Upper
75 100
53 109.2 101.0 151.4
89 46.9 37.0 55.6



#82
4-Chlorotoluene
Concen: 53.106 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 91 Resp: 1667741
Ion Ratio Lower Upper
91 100
126 32.8 15.2 45.6

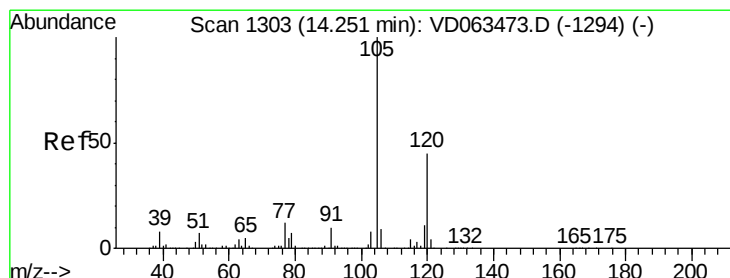
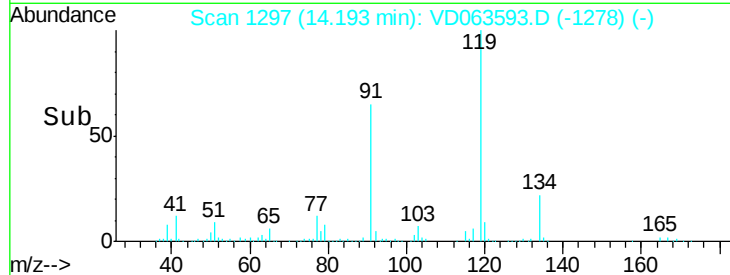
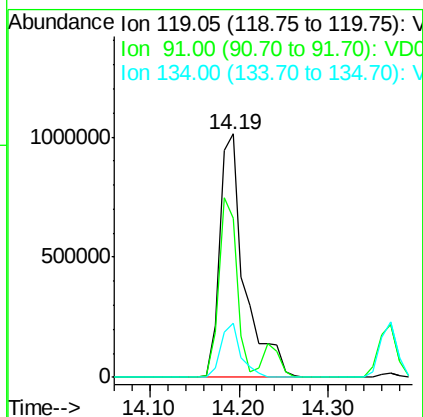
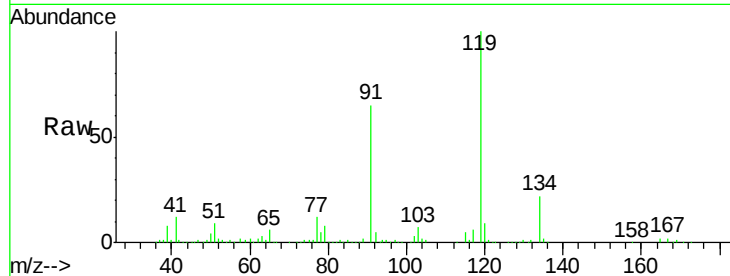




#83
 tert-Butylbenzene
 Concen: 55.443 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

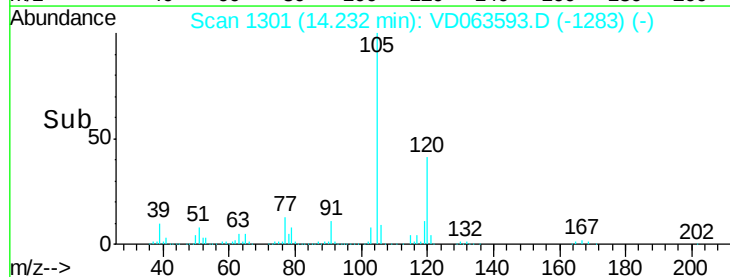
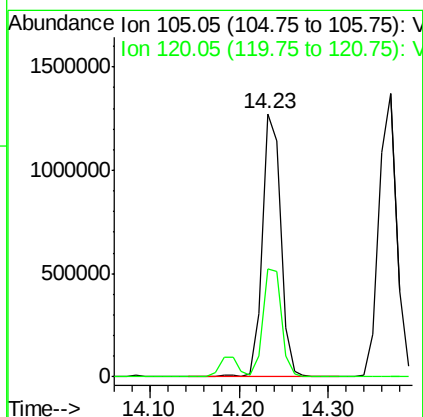
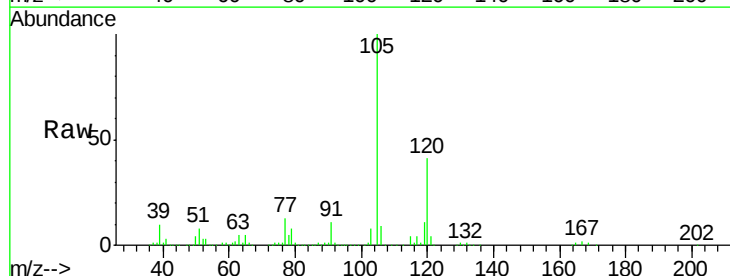
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

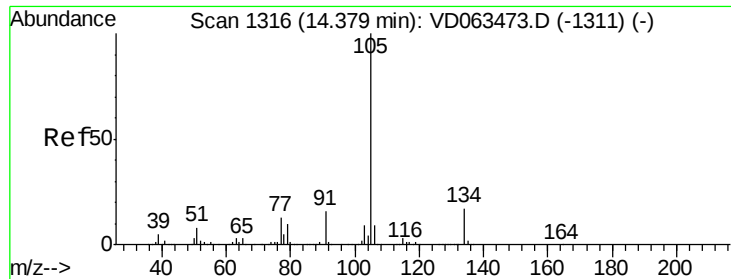
Tot Ion:119 Resp: 1974740
 Ion Ratio Lower Upper
 119 100
 91 65.4 35.5 106.7
 134 22.3 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 57.216 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion:105 Resp: 1790627
 Ion Ratio Lower Upper
 105 100
 120 41.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 49.307 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

Instrument :

MSVOA_D

ClientSampleId :

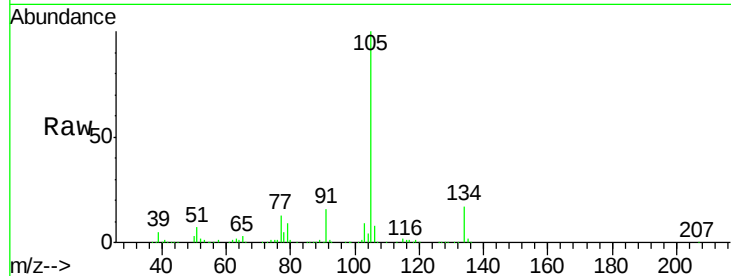
VSTDCCC050EC

Tot Ion:105 Resp: 1865030

Ion Ratio Lower Upper

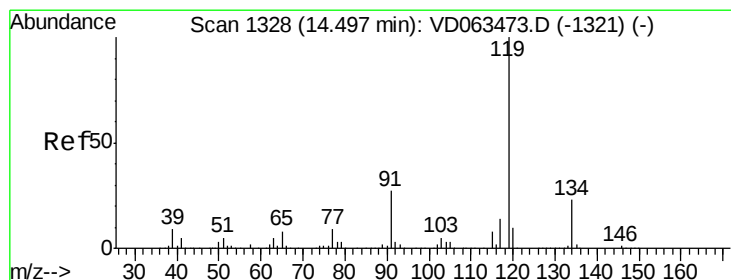
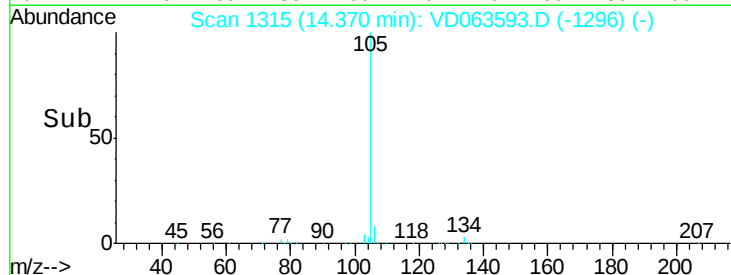
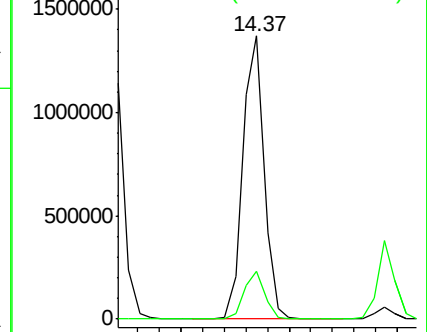
105 100

134 16.9 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.116 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063593.D

Acq: 14 Aug 2019 23:56

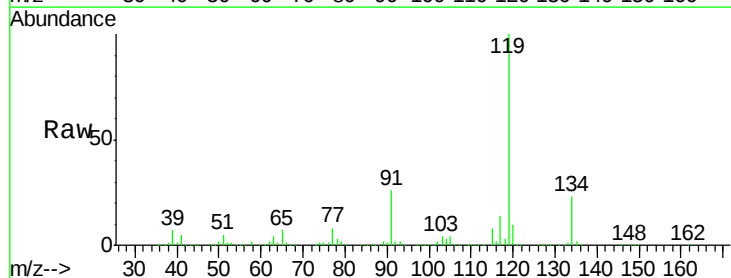
Tgt Ion:119 Resp: 1884851

Ion Ratio Lower Upper

119 100

134 23.3 11.3 33.8

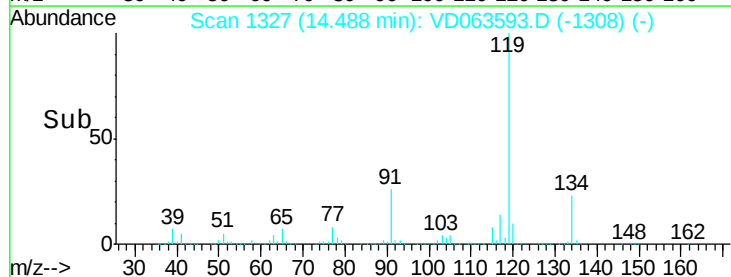
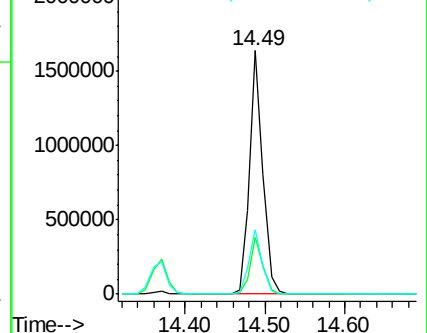
91 26.3 13.5 40.4

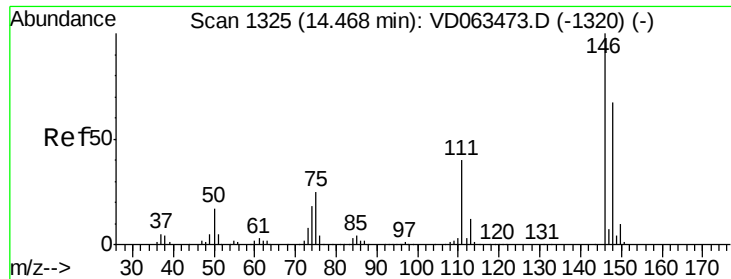


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

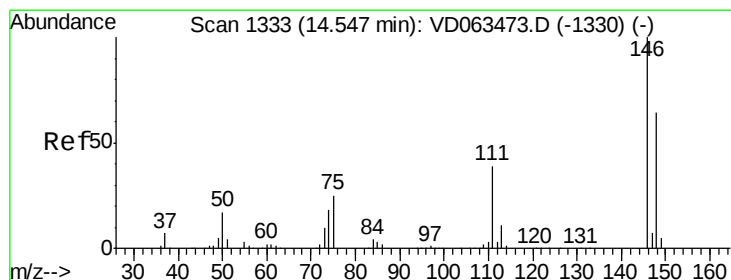
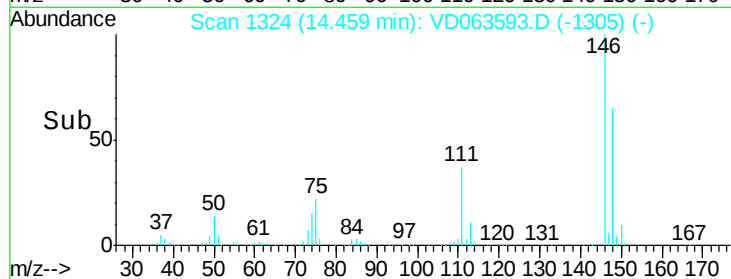
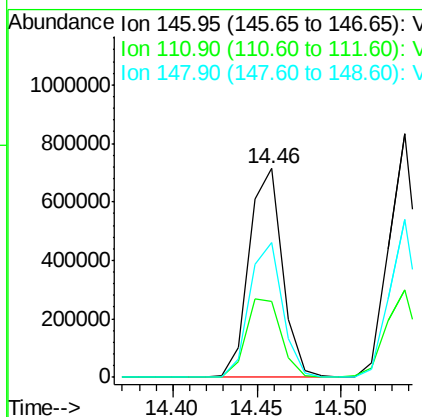
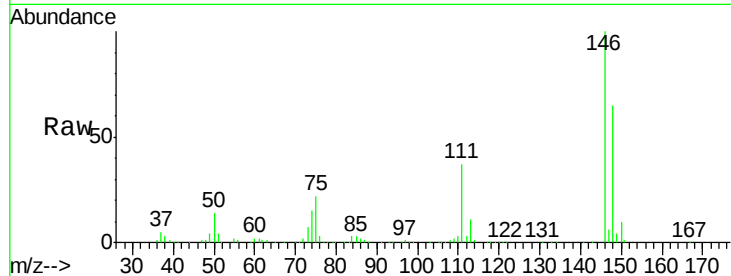




#87
 1,3-Dichlorobenzene
 Concen: 51.246 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

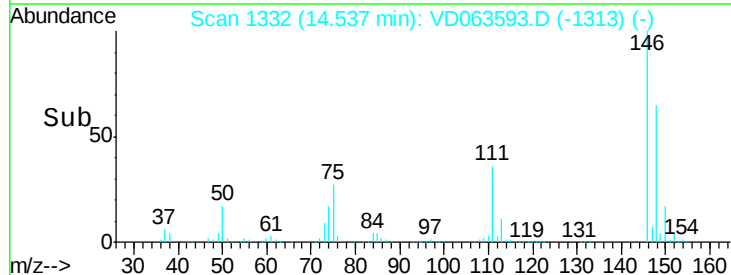
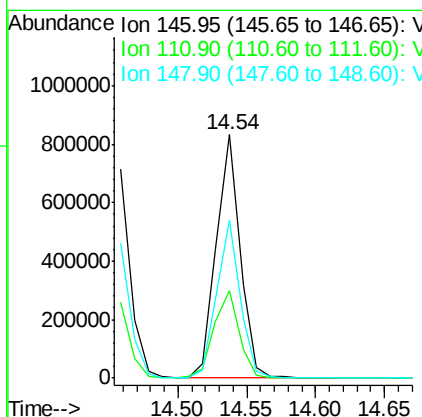
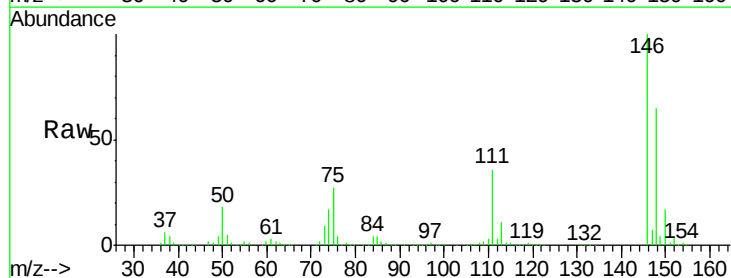
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

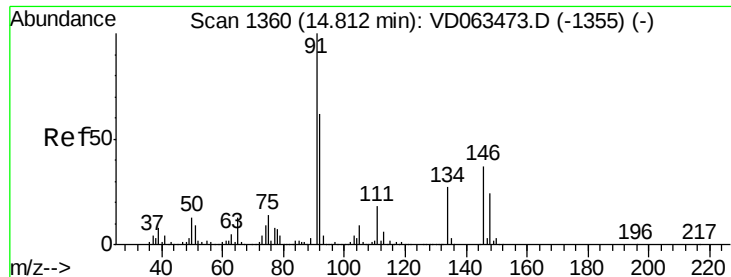
Tot Ion:146 Resp: 980704
 Ion Ratio Lower Upper
 146 100
 111 36.7 20.0 60.0
 148 64.5 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 54.190 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion:146 Resp: 994968
 Ion Ratio Lower Upper
 146 100
 111 36.1 19.7 59.0
 148 64.7 32.1 96.3

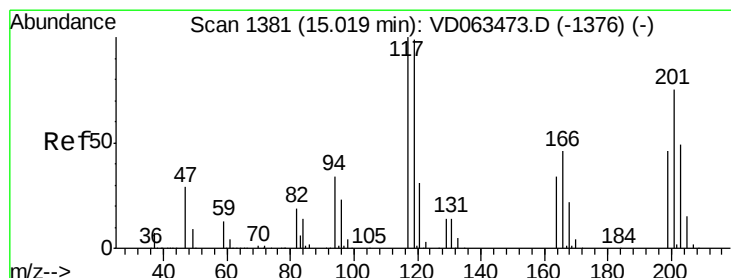
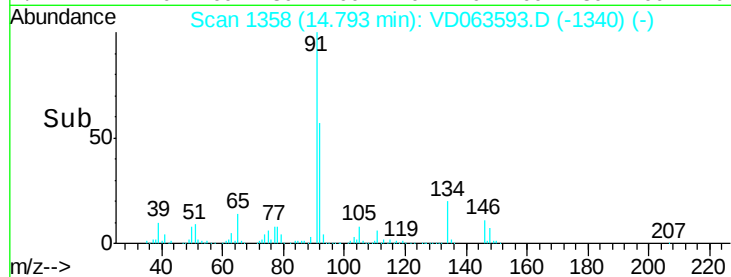
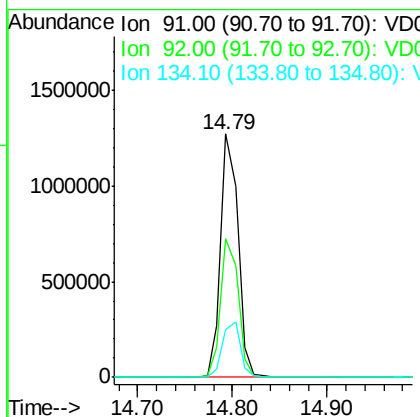
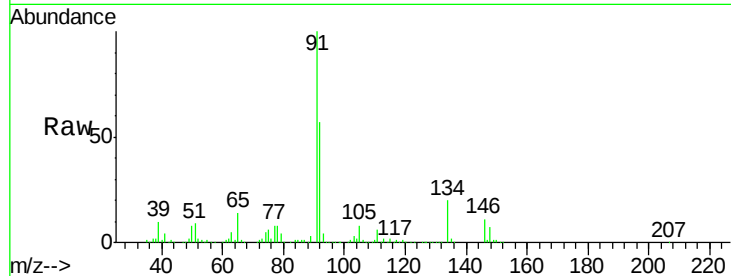




#89
n-Butylbenzene
Concen: 49.143 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

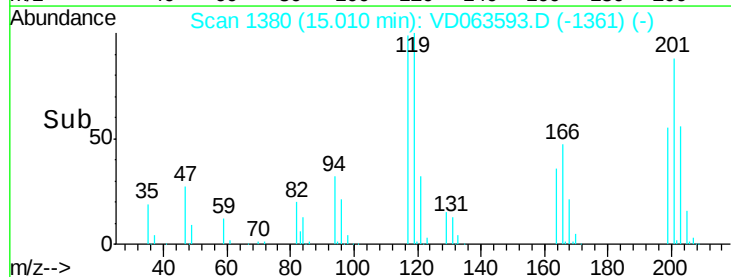
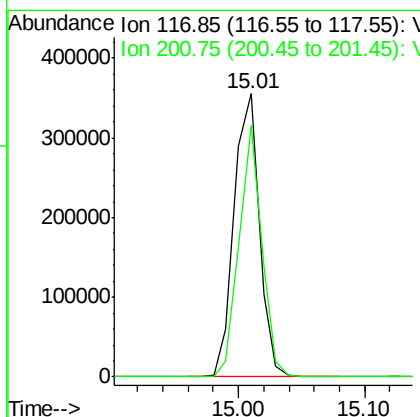
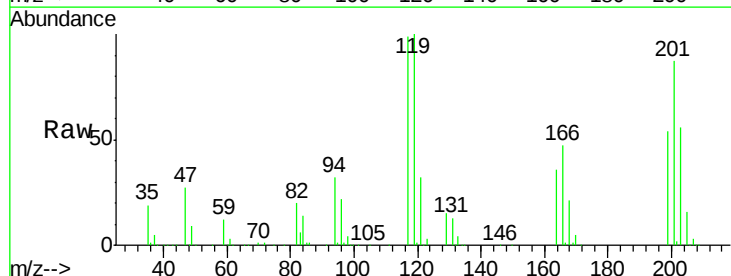
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

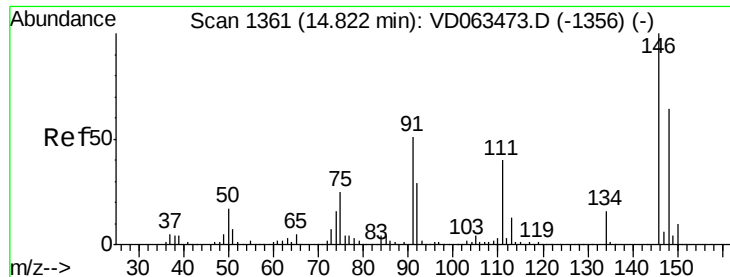
Tot Ion: 91 Resp: 1622123
Ion Ratio Lower Upper
91 100
92 57.1 30.8 92.3
134 19.7 13.4 40.2



#90
Hexachloroethane
Concen: 53.995 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion: 117 Resp: 490835
Ion Ratio Lower Upper
117 100
201 88.7 37.5 112.5

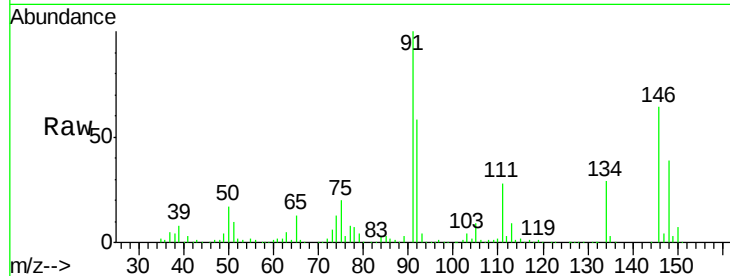




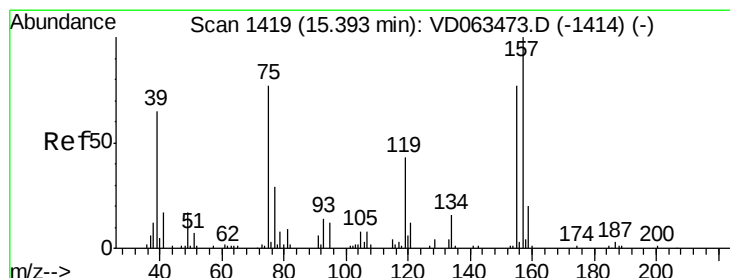
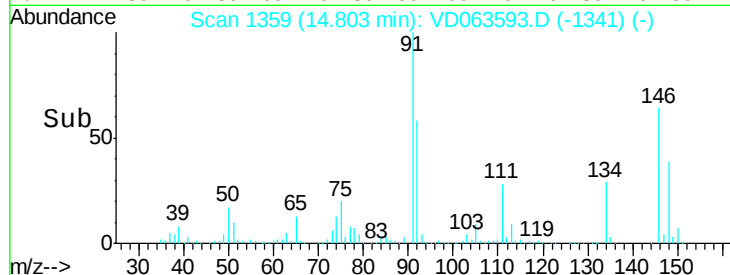
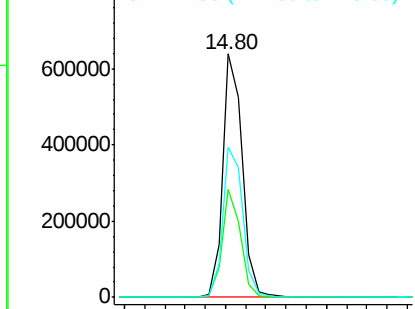
#91
 1,2-Dichlorobenzene
 Concen: 52.745 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 856387
 Ion Ratio Lower Upper
 146 100
 111 44.5 20.2 60.6
 148 61.7 32.1 96.5

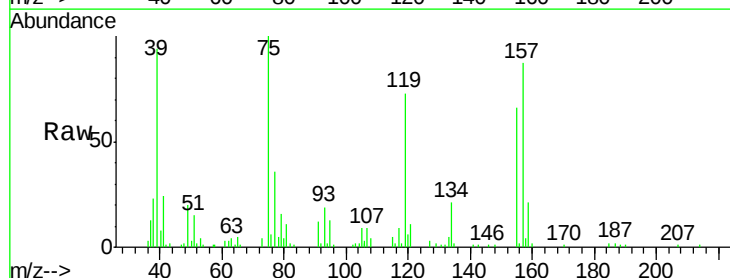


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

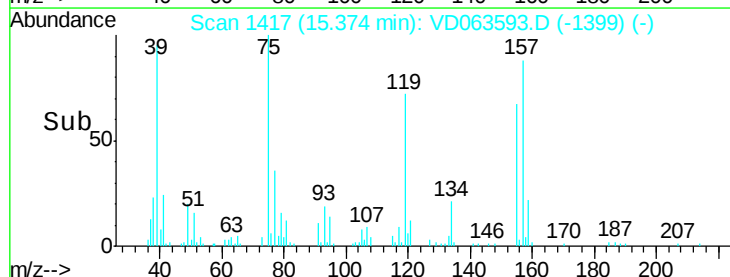
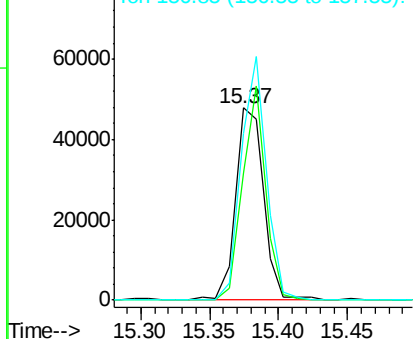


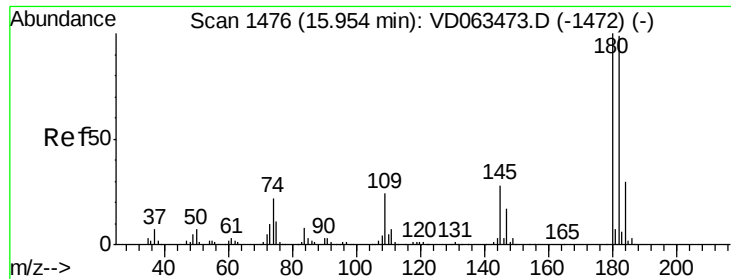
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.199 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion: 75 Resp: 67993
 Ion Ratio Lower Upper
 75 100
 155 66.5 50.1 150.3
 157 86.8 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

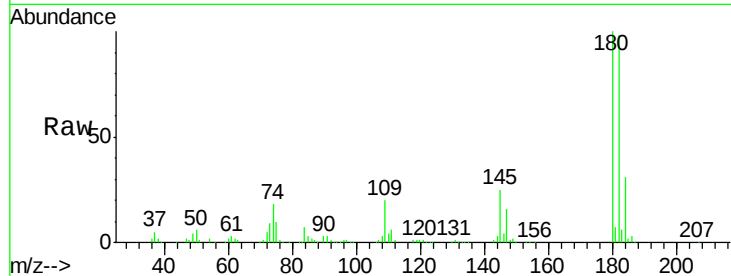




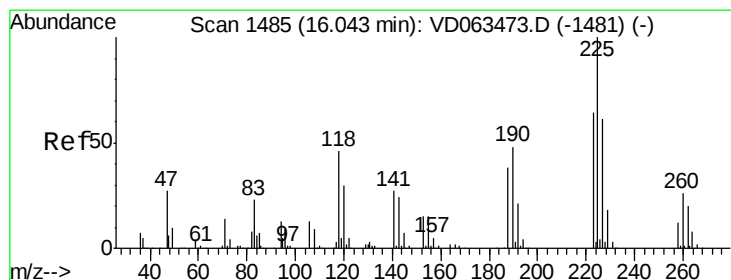
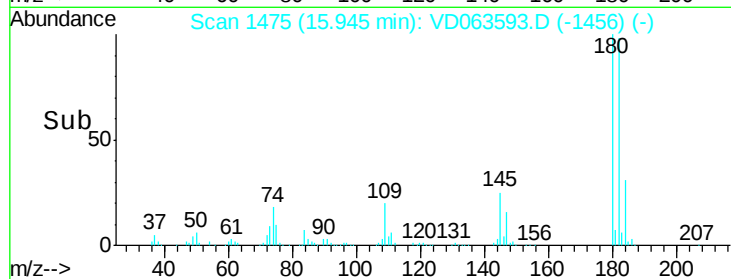
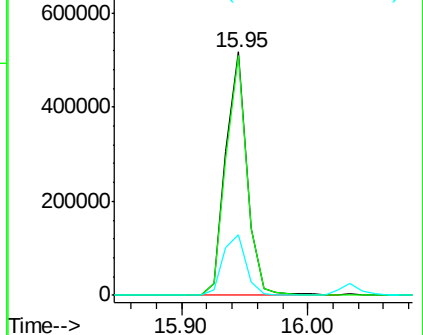
#93
 1,2,4-Trichlorobenzene
 Concen: 50.671 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 605384
 Ion Ratio Lower Upper
 180 100
 182 98.2 49.7 149.1
 145 24.7 14.1 42.2

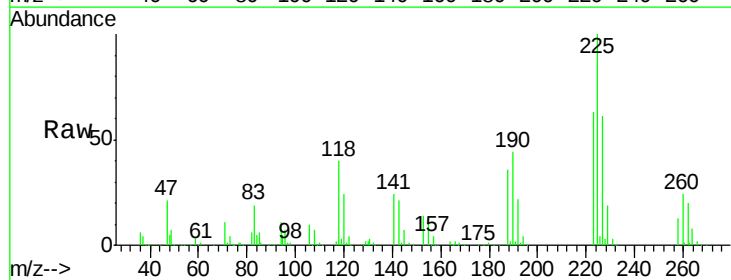


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

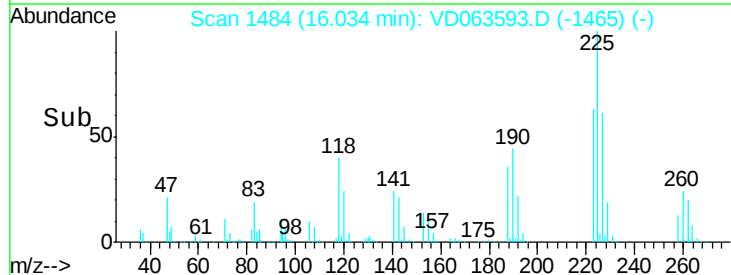
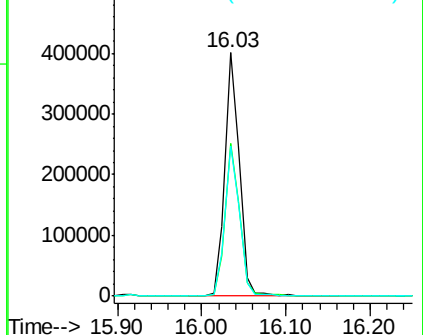


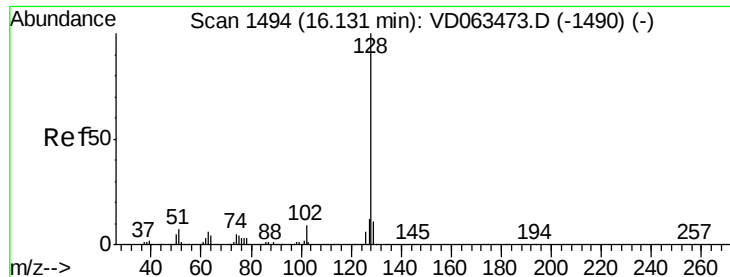
#94
 Hexachlorobutadiene
 Concen: 53.045 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063593.D
 Acq: 14 Aug 2019 23:56

Tgt Ion:225 Resp: 482996
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.5
 227 61.4 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

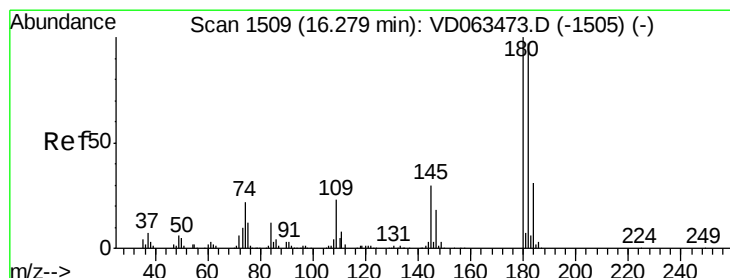
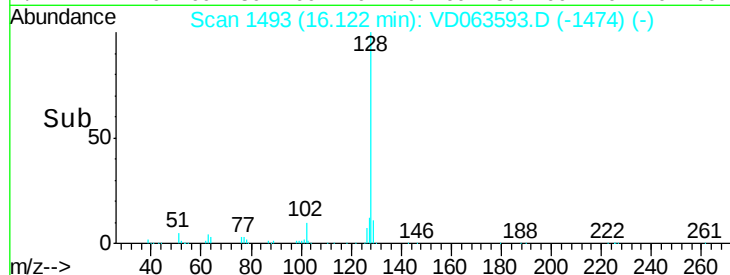
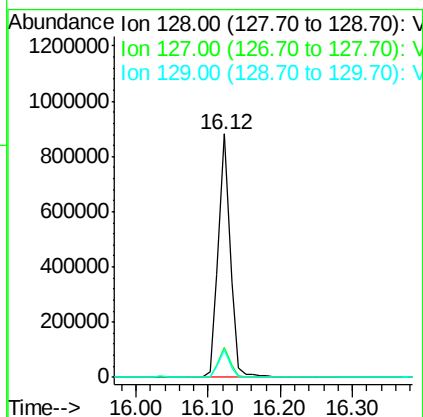
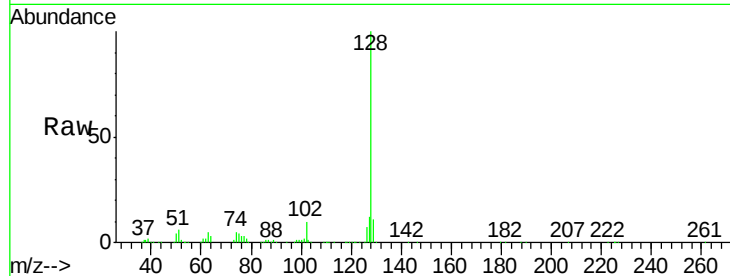




#95
Naphthalene
Concen: 55.297 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1001210
Ion Ratio Lower Upper
128 100
127 12.4 9.4 14.0
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 54.562 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063593.D
Acq: 14 Aug 2019 23:56

Tgt Ion:180 Resp: 526504
Ion Ratio Lower Upper
180 100
182 97.8 48.4 145.2
145 30.2 14.9 44.9

