

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063569.D
 Acq On : 14 Aug 2019 12:05
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 14 13:25:49 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	916934	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1421234	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1306563	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	642344	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	592202	60.42	ug/l	-0.01
Spiked Amount			Recovery	=	120.84%	
35) Dibromofluoromethane	6.94	113	645422	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
50) Toluene-d8	10.41	98	1426915	54.22	ug/l	-0.01
Spiked Amount			Recovery	=	108.44%	
62) 4-Bromofluorobenzene	13.56	95	630354	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	444540	40.073	ug/l	98
3) Chloromethane	1.75	50	437033	50.423	ug/l #	88
4) Vinyl Chloride	1.85	62	382114	44.410	ug/l	96
5) Bromomethane	2.15	94	226850	55.876	ug/l	96
6) Chloroethane	2.27	64	208264	52.931	ug/l	98
7) Trichlorofluoromethane	2.54	101	802153	47.529	ug/l	98
8) Diethyl Ether	2.87	74	141468	59.369	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.15	101	493798	49.551	ug/l	97
10) Methyl Iodide	3.30	142	795588	56.424	ug/l	98
11) Tert butyl alcohol	4.07	59	141065	330.618	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	367203	49.560	ug/l	95
13) Acrolein	3.04	56	105353	250.853	ug/l	90
14) Allyl chloride	3.62	41	606301	54.435	ug/l	98
15) Acrylonitrile	4.20	53	388102	343.408	ug/l	91
16) Acetone	3.23	43	452109	226.915	ug/l #	91
17) Carbon Disulfide	3.37	76	1104126	47.218	ug/l	95
18) Methyl Acetate	3.65	43	241764	64.062	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	969116	65.403	ug/l	98
20) Methylene Chloride	3.82	84	448698	52.081	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	441136	56.579	ug/l	99
22) Diisopropyl ether	5.13	45	1404477	61.107	ug/l	98
23) Vinyl Acetate	5.07	43	4024436	301.189	ug/l	100
24) 1,1-Dichloroethane	4.99	63	824320	57.825	ug/l	100
25) 2-Butanone	6.08	43	587196	298.405	ug/l	94
26) 2,2-Dichloropropane	6.03	77	611201	43.046	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	498967	58.492	ug/l	98
28) Bromochloromethane	6.44	49	348407	60.304	ug/l	97
29) Tetrahydrofuran	6.46	42	288060	314.155	ug/l	96
30) Chloroform	6.67	83	1014272	57.242	ug/l	98
31) Cyclohexane	6.97	56	392885	44.395	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	875067	51.627	ug/l	99
36) 1,1-Dichloropropene	7.15	75	629056	50.068	ug/l	99
37) Ethyl Acetate	6.19	43	292893	55.633	ug/l	99
38) Carbon Tetrachloride	7.11	117	959948	50.696	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	469171	43.915	ug/l	96
40) Benzene	7.46	78	1396917	50.523	ug/l	96
41) Methacrylonitrile	6.45	41	383011	57.779	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	766997	55.169	ug/l	99
43) Isopropyl Acetate	9.25	43	391324	55.498	ug/l	98
44) Trichloroethene	8.55	130	542991	51.380	ug/l	95
45) 1,2-Dichloropropane	8.94	63	365784	56.809	ug/l	95
46) Dibromomethane	9.07	93	308242	56.058	ug/l	96
47) Bromodichloromethane	9.38	83	791911	56.146	ug/l	99
48) Methyl methacrylate	9.13	41	279261	58.399	ug/l	98
49) 1,4-Dioxane	9.09	88	46553	1087.955	ug/l #	64
51) 4-Methyl-2-Pentanone	10.30	43	1473654	305.427	ug/l	95
52) Toluene	10.51	92	886772	49.795	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	630480	54.774	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	694245	53.489	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	335232	55.727	ug/l	98
56) Ethyl methacrylate	11.05	69	388095	59.439	ug/l	99
57) 1,3-Dichloropropane	11.42	76	518144	56.982	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	1011927	293.561	ug/l	94
59) 2-Hexanone	11.53	43	1007510	286.980	ug/l	98
60) Dibromochloromethane	11.69	129	641570	58.610	ug/l	99
61) 1,2-Dibromoethane	11.81	107	423971	58.218	ug/l	96
64) Tetrachloroethene	11.27	164	495520	49.128	ug/l	98
65) Chlorobenzene	12.40	112	1156735	47.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	537946	49.916	ug/l	92
67) Ethyl Benzene	12.53	91	1888993	44.365	ug/l	99
68) m/p-Xylenes	12.68	106	1372639	91.758	ug/l	99
69) o-Xylene	13.05	106	695448	48.303	ug/l	96
70) Styrene	13.08	104	1246057	48.654	ug/l	97
71) Bromoform	13.24	173	408082	55.222	ug/l	99
73) Isopropylbenzene	13.40	105	1961319	48.005	ug/l	97
74) N-amyl acetate	13.27	43	573074	55.875	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	361069	53.244	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	382290	51.857	ug/l	98
77) Bromobenzene	13.67	156	551817	49.418	ug/l	99
78) n-propylbenzene	13.78	91	2273998	47.569	ug/l	98
79) 2-Chlorotoluene	13.85	91	1331276	48.300	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	1637505	45.871	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	95294	48.094	ug/l	94
82) 4-Chlorotoluene	13.95	91	1571579	47.417	ug/l	97
83) tert-Butylbenzene	14.19	119	1920816	51.097	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1667470	50.483	ug/l	93
85) sec-Butylbenzene	14.37	105	1972735	49.416	ug/l	98
86) p-Isopropyltoluene	14.50	119	1729136	45.300	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	957391	47.401	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	965580	49.829	ug/l	97
89) n-Butylbenzene	14.80	91	1587366	45.565	ug/l	96
90) Hexachloroethane	15.01	117	496380	51.738	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	914932	53.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	72282	56.607	ug/l	90

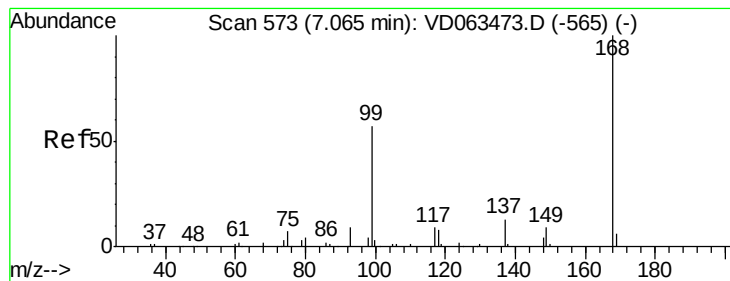
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	680607	53.977	ug/l	97
94) Hexachlorobutadiene	16.04	225	461081	47.979	ug/l	96
95) Naphthalene	16.12	128	971854	50.857	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	561957	55.178	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

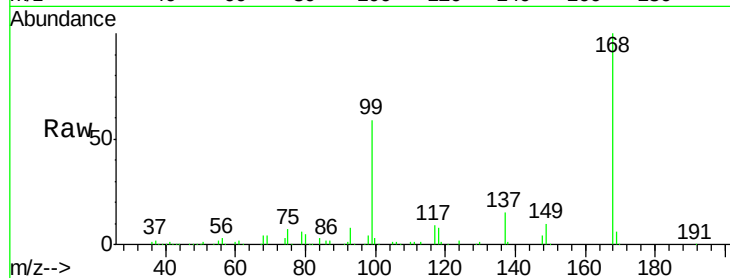
VSTDCCC050EC

Tot Ion:168 Resp: 916934

Ion Ratio Lower Upper

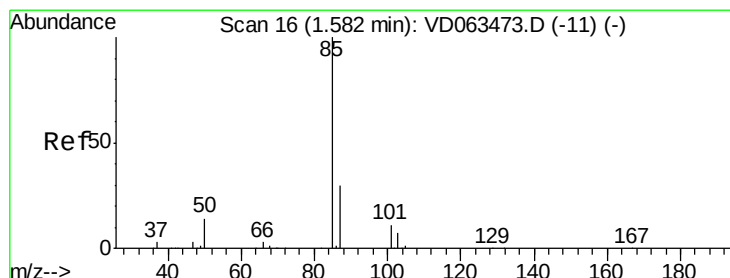
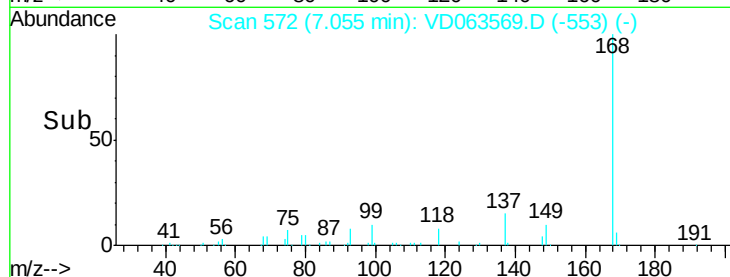
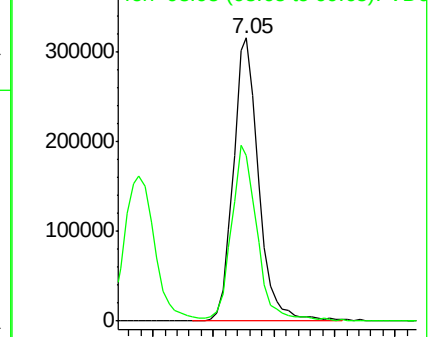
168 100

99 58.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 40.073 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063569.D

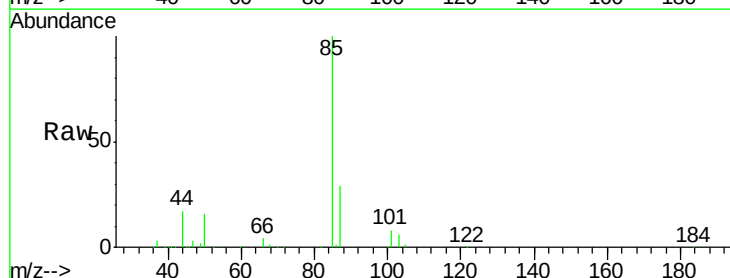
Acq: 14 Aug 2019 12:05

Tgt Ion: 85 Resp: 444540

Ion Ratio Lower Upper

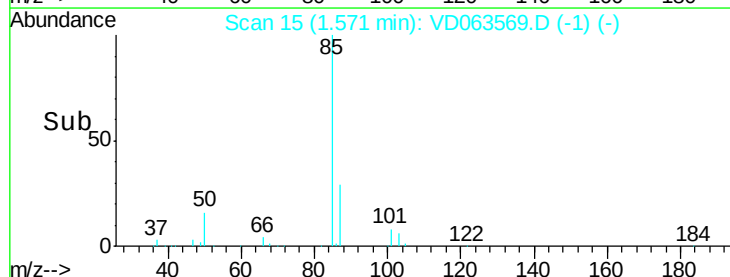
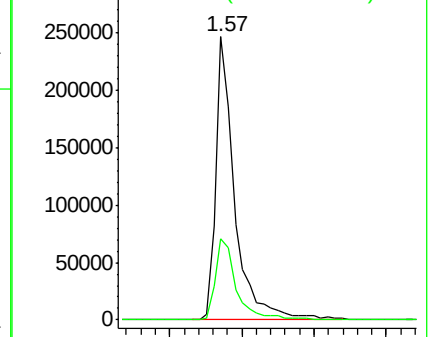
85 100

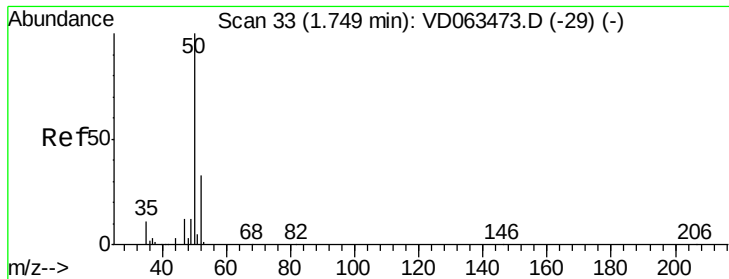
87 28.7 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.423 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

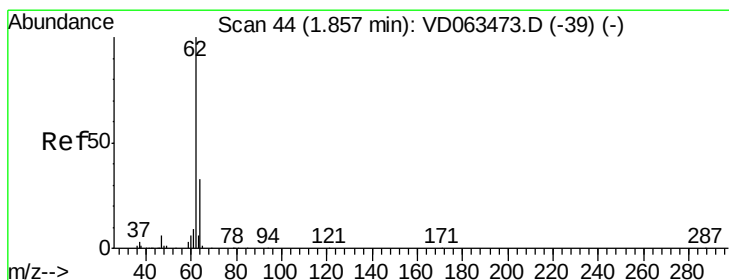
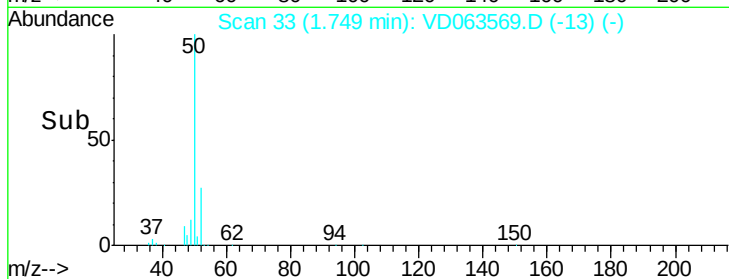
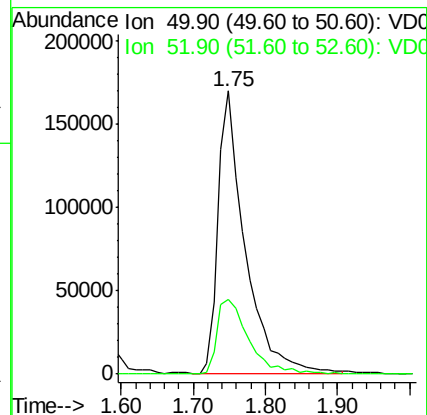
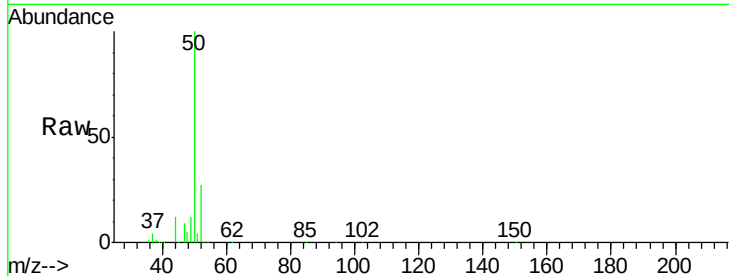
VSTDCCC050EC

Tot Ion: 50 Resp: 437033

Ion Ratio Lower Upper

50 100

52 26.5 26.6 40.0#



#4

Vinyl Chloride

Concen: 44.410 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063569.D

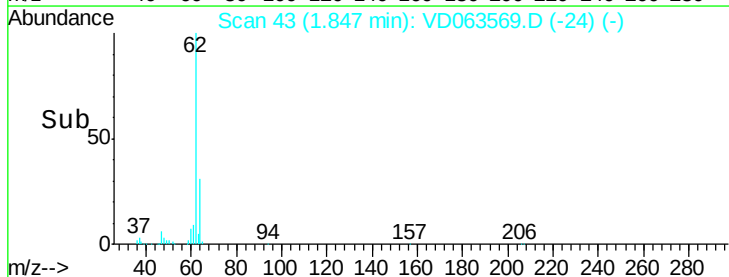
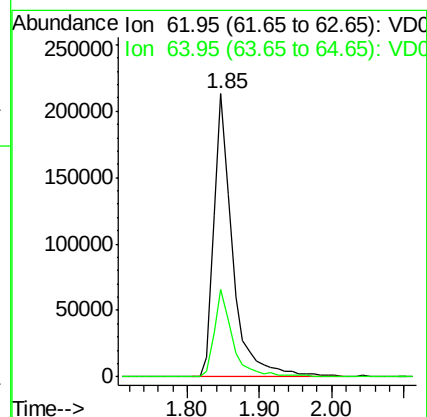
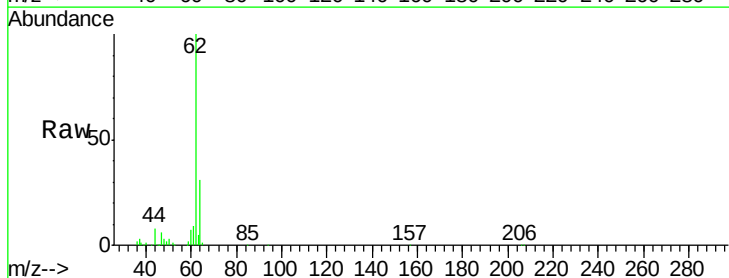
Acq: 14 Aug 2019 12:05

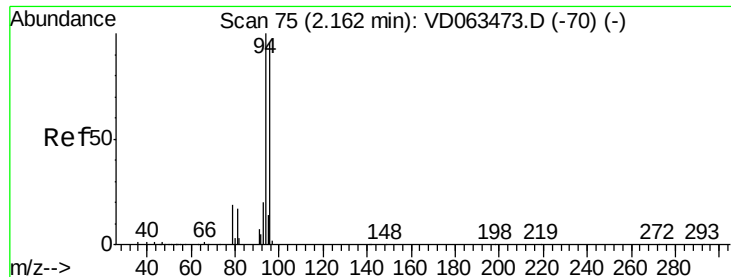
Tgt Ion: 62 Resp: 382114

Ion Ratio Lower Upper

62 100

64 30.9 26.4 39.6





#5

Bromomethane

Concen: 55.876 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

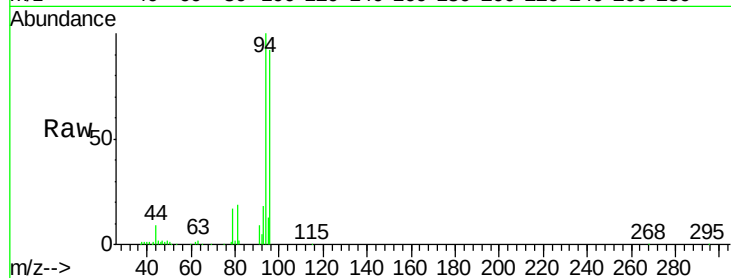
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 226850

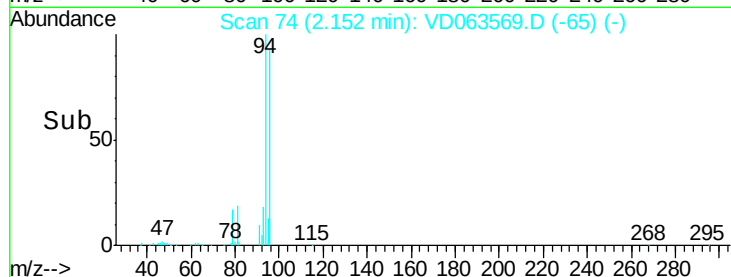
Ion	Ratio	Lower	Upper
94	100		
96	92.0	76.5	114.7
93	18.3	15.8	23.8



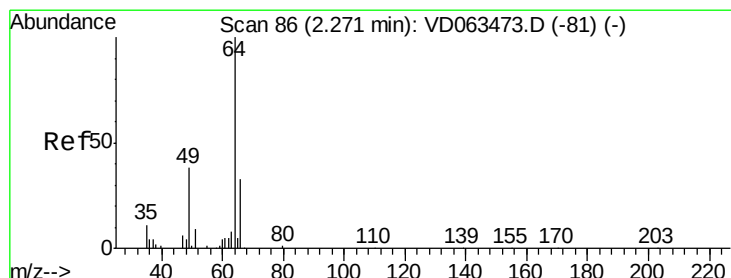
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



Time-->



#6

Chloroethane

Concen: 52.931 ug/l

RT: 2.27 min Scan# 86

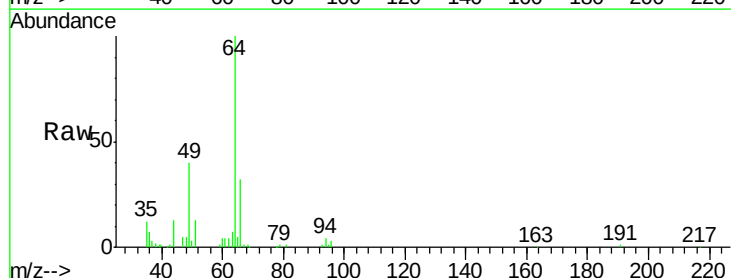
Delta R.T. -0.00 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

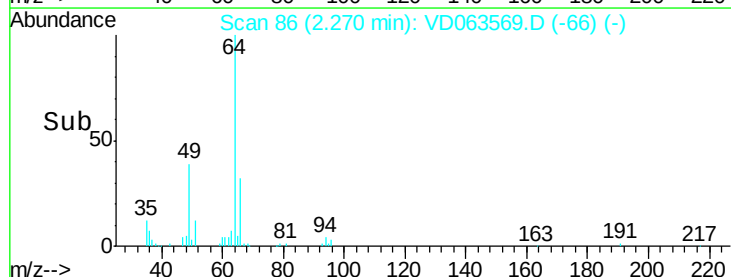
Tgt Ion: 64 Resp: 208264

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.3	39.5

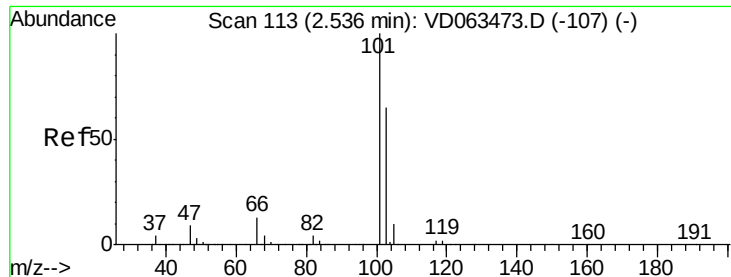


Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->

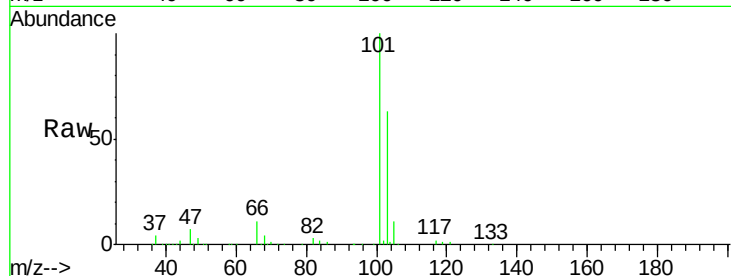


#7

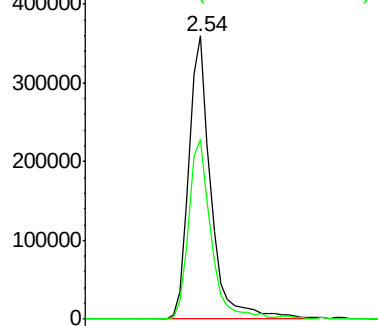
Trichlorofluoromethane
 Concen: 47.529 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.00 min
 Lab File: VD063569.D
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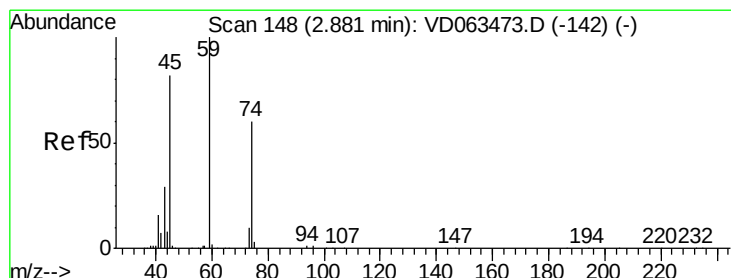
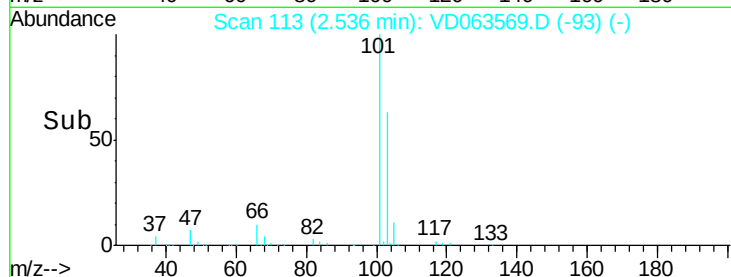
Tot Ion:101 Resp: 802153
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.2 78.4



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



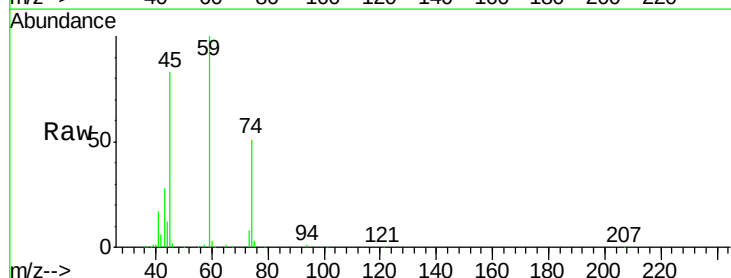
Time--> 2.40 2.50 2.60 2.70



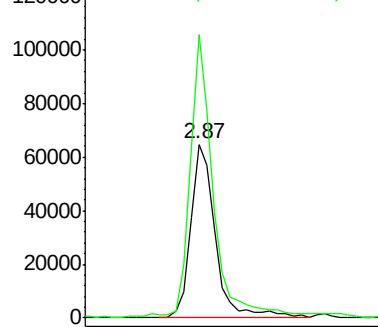
#8

Diethyl Ether
 Concen: 59.369 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

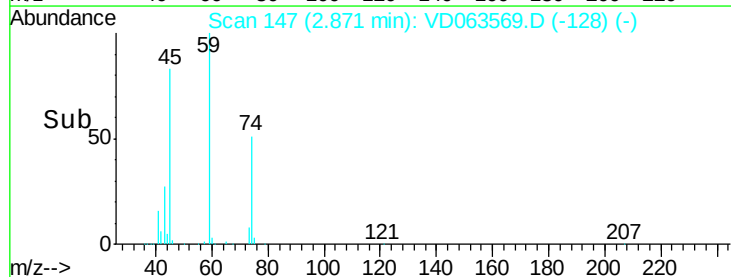
Tgt Ion: 74 Resp: 141468
 Ion Ratio Lower Upper
 74 100
 45 163.3 68.5 205.5

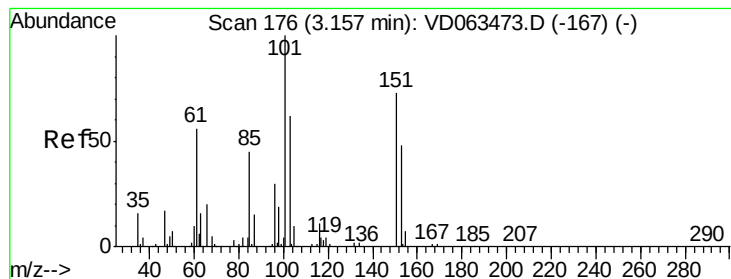


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time--> 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.551 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

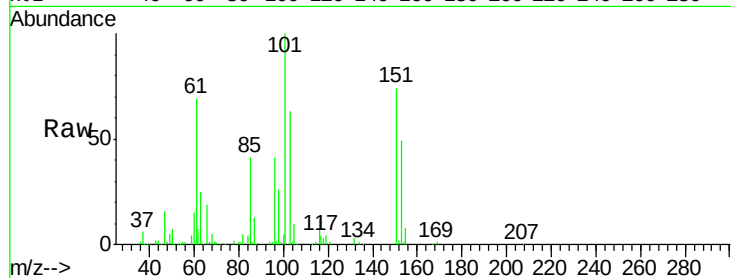
Tot Ion:101 Resp: 493798

Ion Ratio Lower Upper

101 100

85 41.4 35.8 53.6

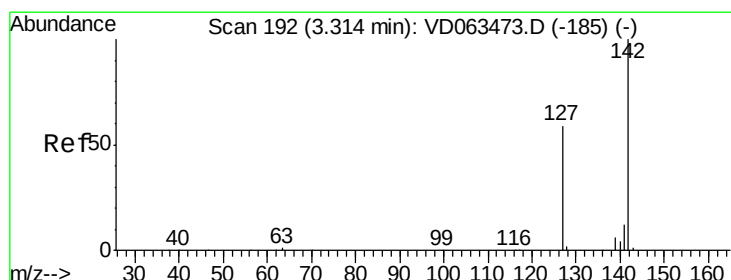
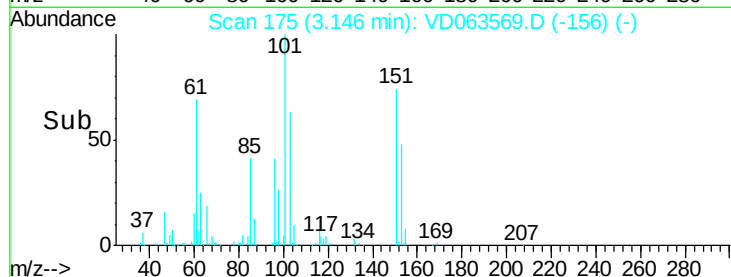
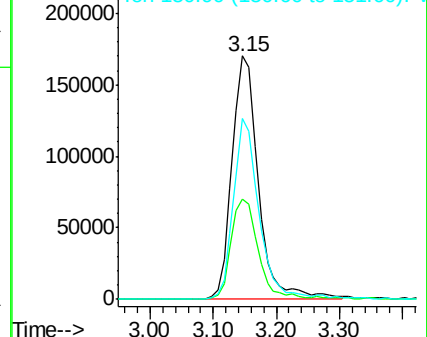
151 74.1 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 56.424 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

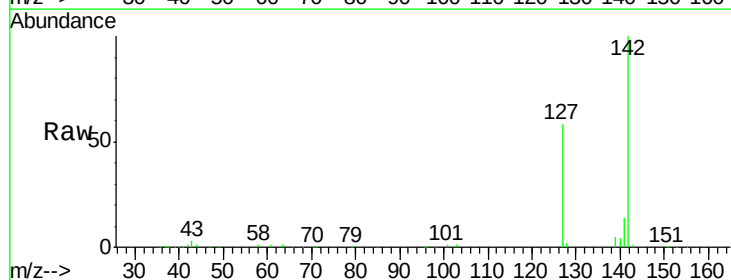
Tgt Ion:142 Resp: 795588

Ion Ratio Lower Upper

142 100

127 58.2 47.2 70.8

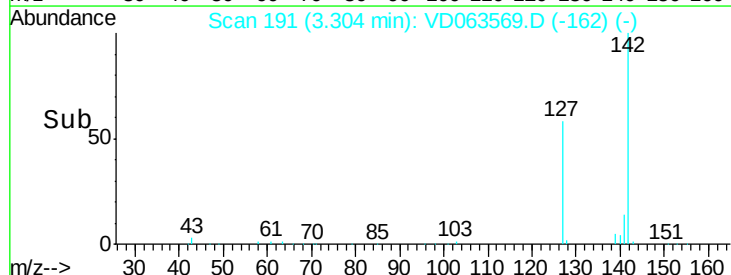
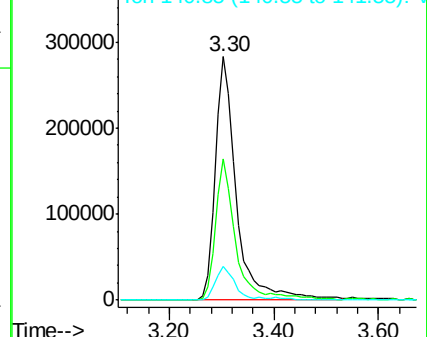
141 13.8 9.8 14.8

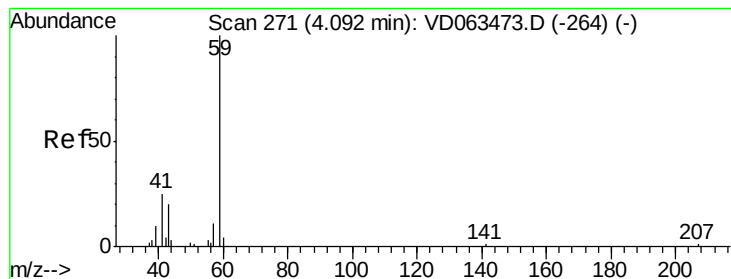


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



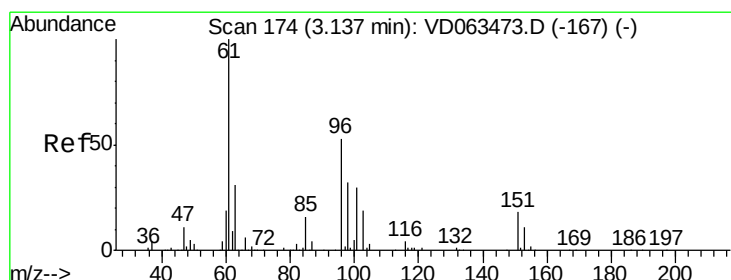
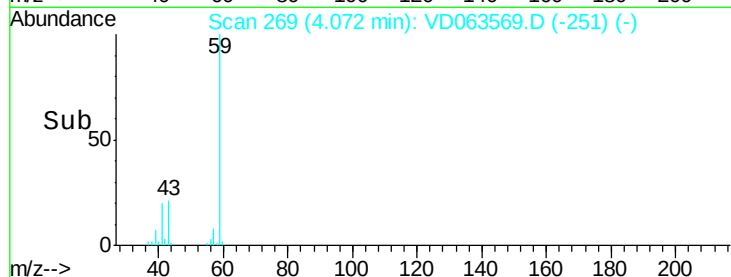
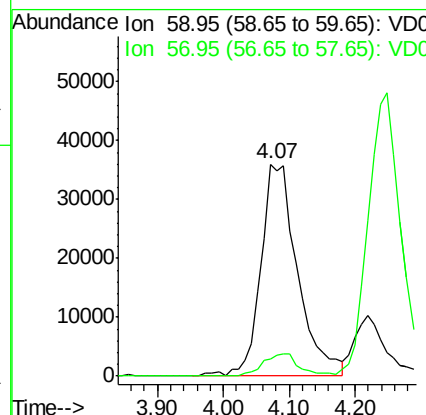
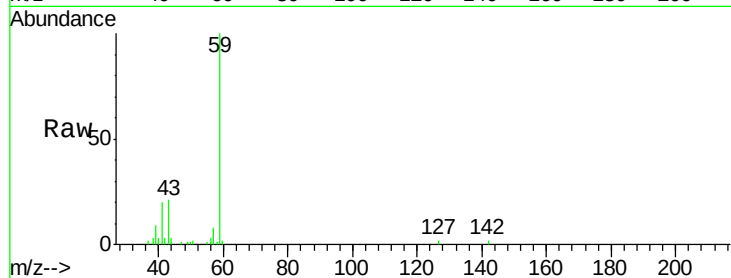


#11

Tert butyl alcohol
Concen: 330.618 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.02 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

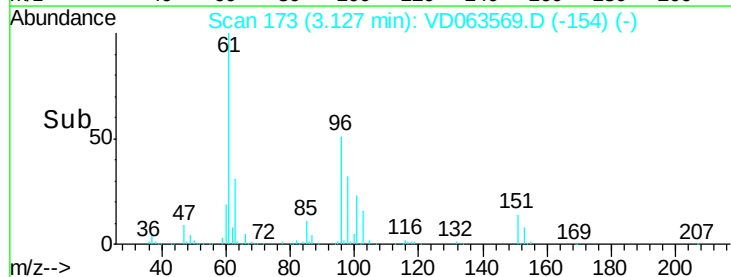
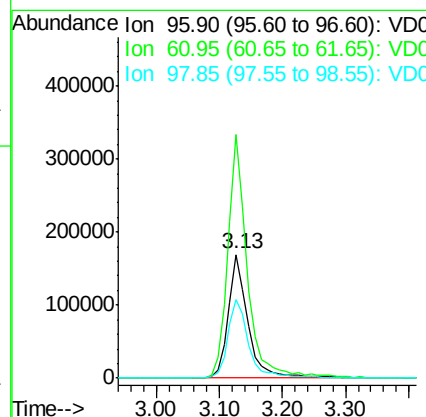
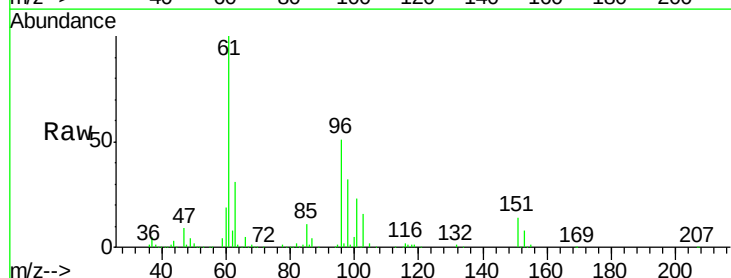
Tot Ion: 59 Resp: 141065
Ion Ratio Lower Upper
59 100
57 8.3 8.7 13.1#

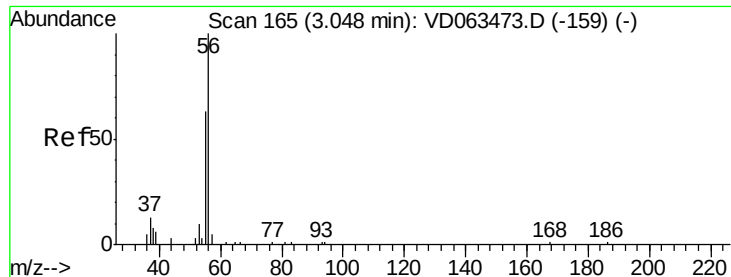


#12

1,1-Dichloroethene
Concen: 49.560 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion: 96 Resp: 367203
Ion Ratio Lower Upper
96 100
61 197.5 151.7 227.5
98 64.1 48.4 72.6





#13

Acrolein

Concen: 250.853 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

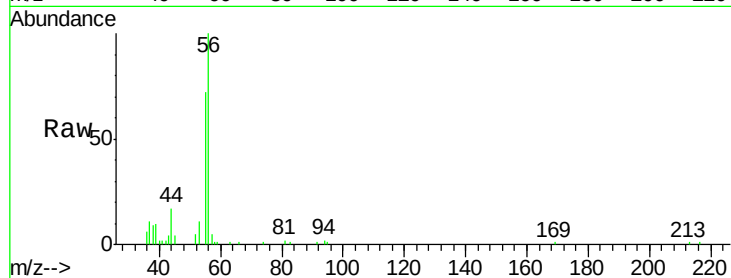
VSTDCCC050EC

Tot Ion: 56 Resp: 105353

Ion Ratio Lower Upper

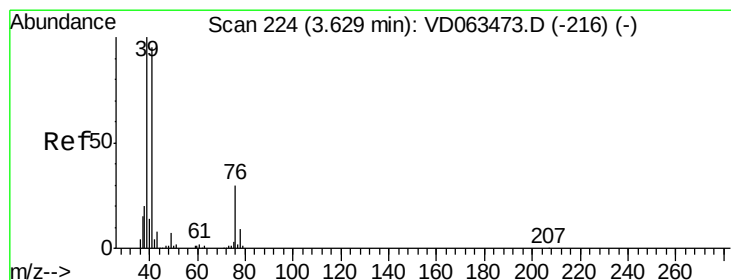
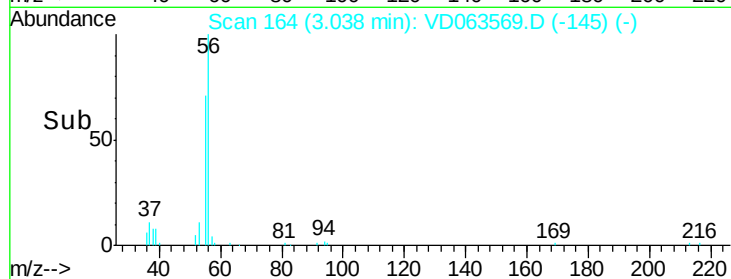
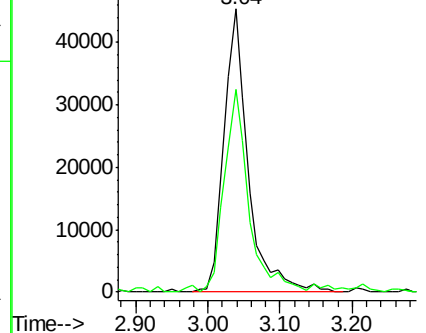
56 100

55 71.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.435 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

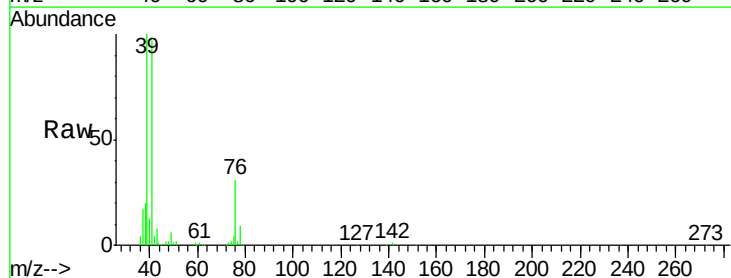
Tgt Ion: 41 Resp: 606301

Ion Ratio Lower Upper

41 100

39 103.1 84.2 126.4

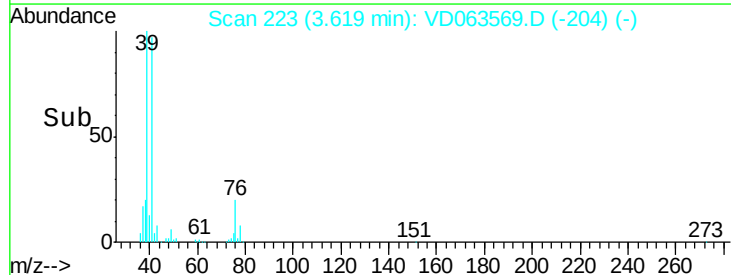
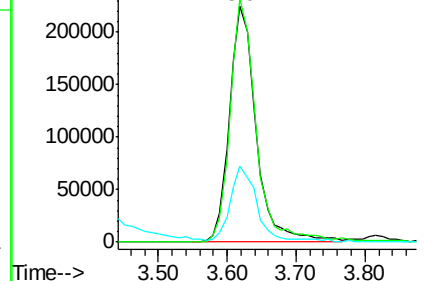
76 31.9 26.0 39.0

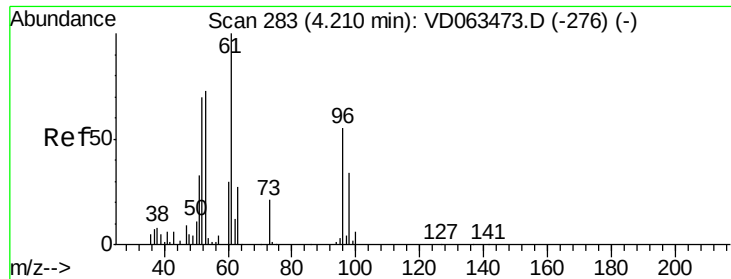


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 343.408 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

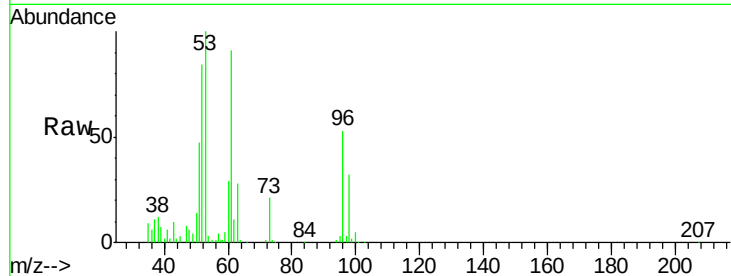
Tot Ion: 53 Resp: 388102

Ion Ratio Lower Upper

53 100

52 83.9 77.4 116.0

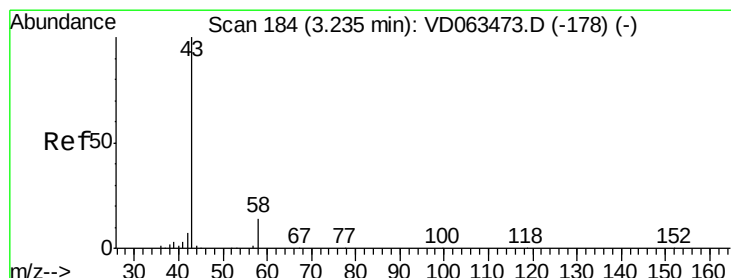
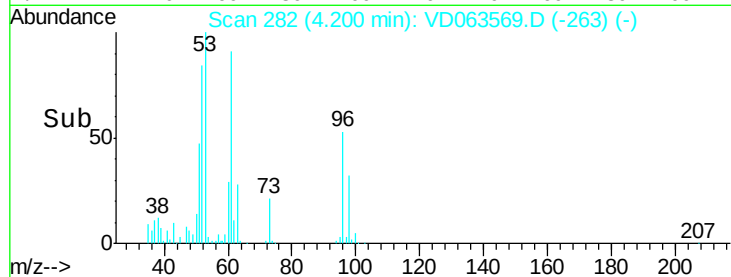
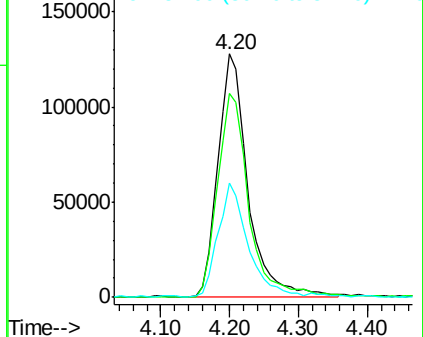
51 47.0 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 226.915 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063569.D

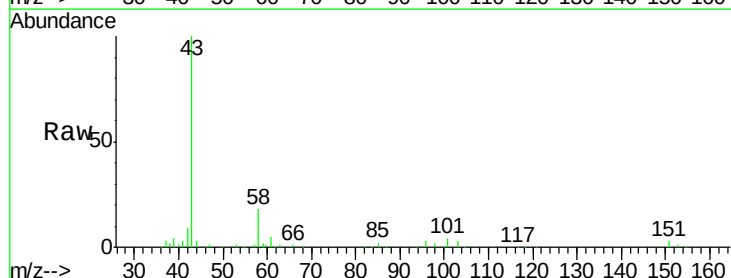
Acq: 14 Aug 2019 12:05

Tgt Ion: 43 Resp: 452109

Ion Ratio Lower Upper

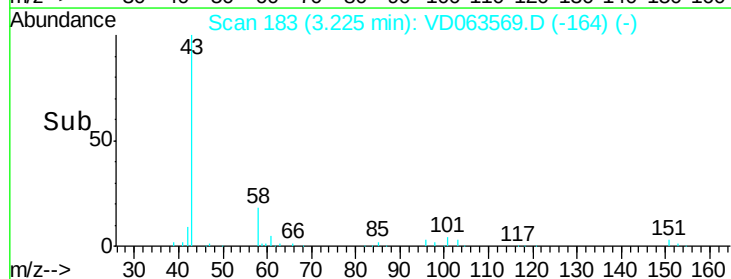
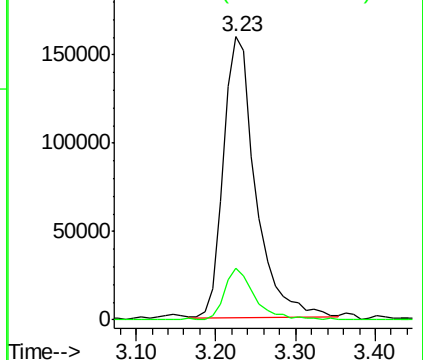
43 100

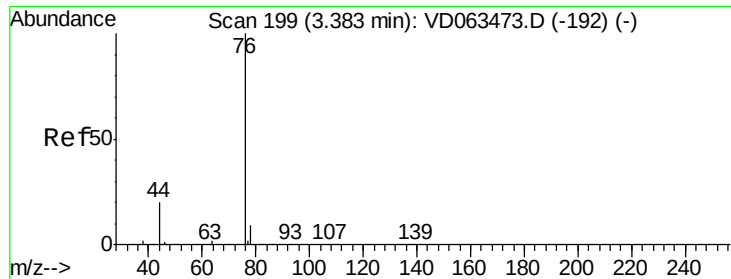
58 18.2 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.218 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

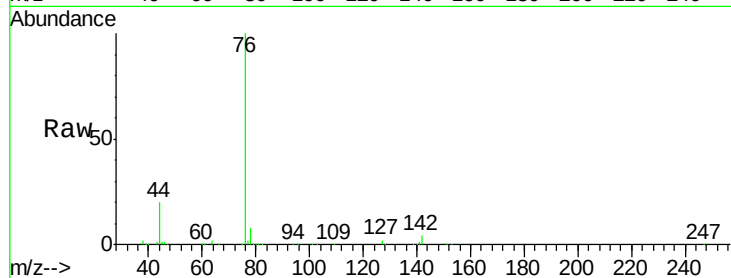
VSTDCCC050EC

Tot Ion: 76 Resp: 1104126

Ion Ratio Lower Upper

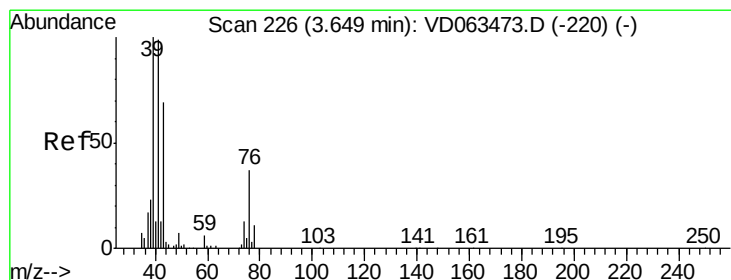
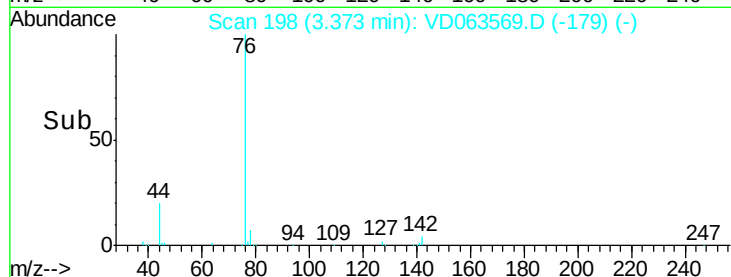
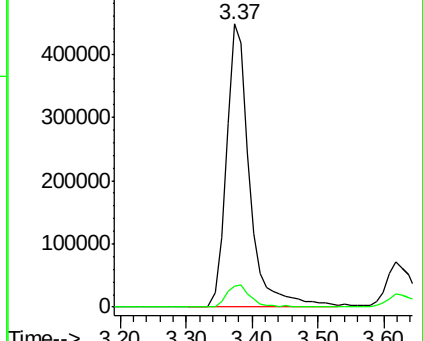
76 100

78 7.5 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 64.062 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD063569.D

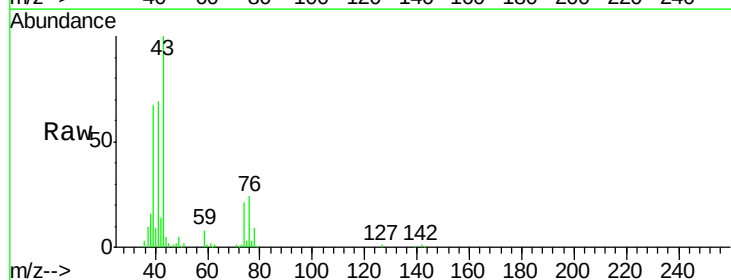
Acq: 14 Aug 2019 12:05

Tgt Ion: 43 Resp: 241764

Ion Ratio Lower Upper

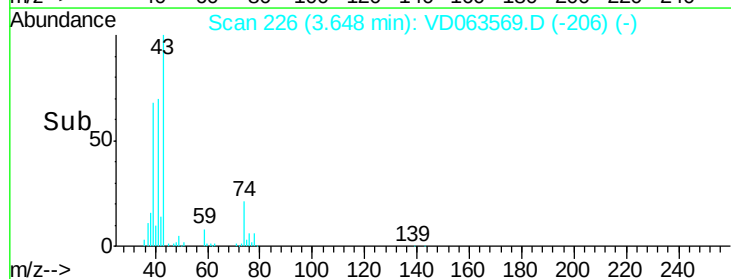
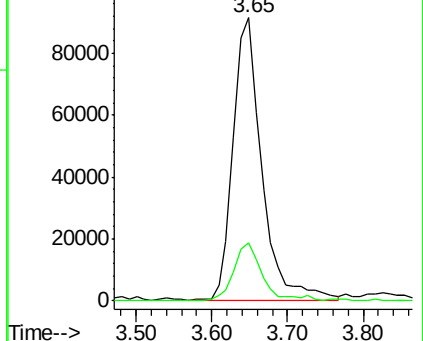
43 100

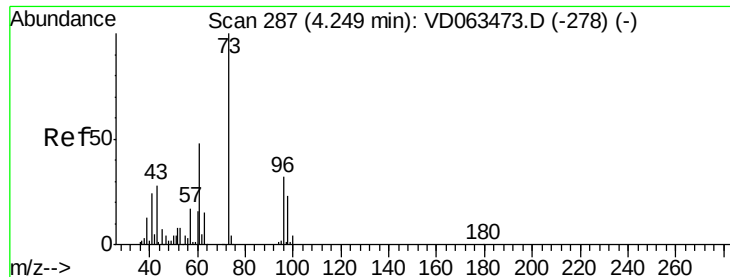
74 20.7 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



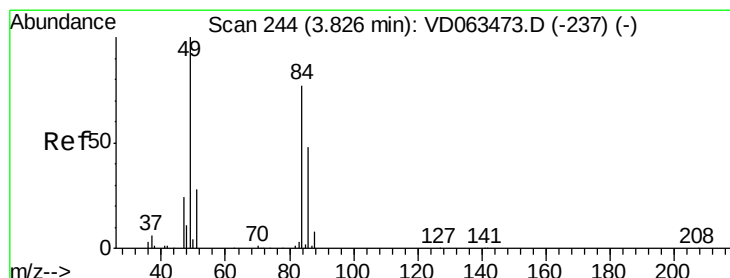
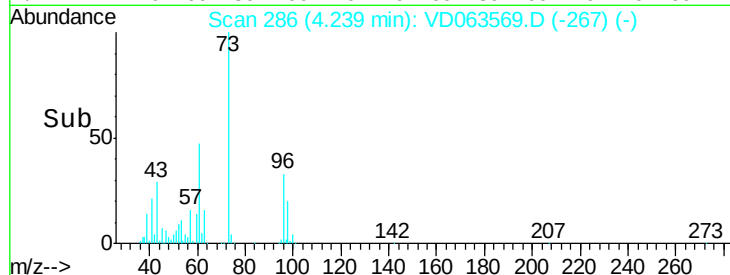
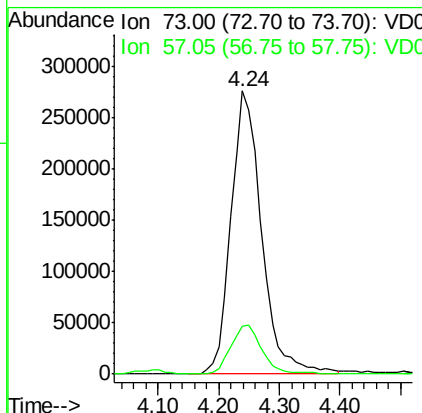
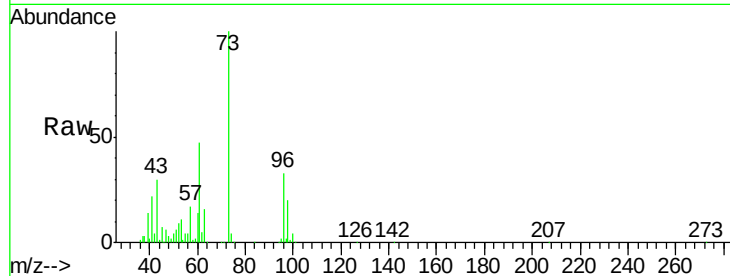


#19

Methyl tert-butyl Ether
 Concen: 65.403 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

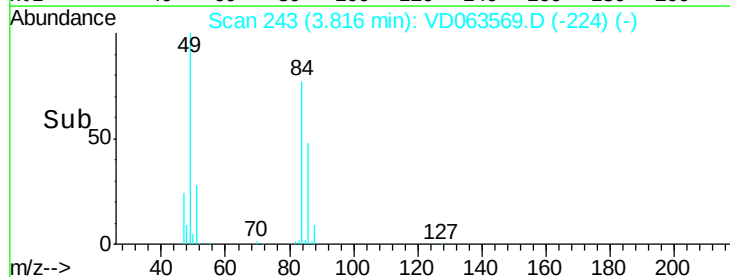
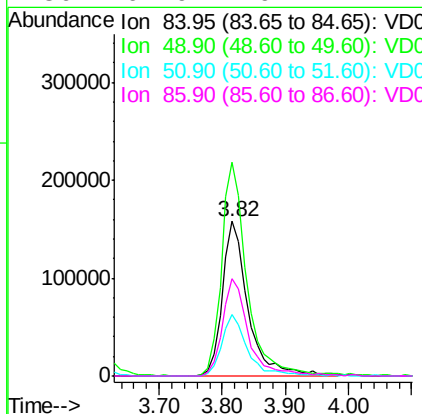
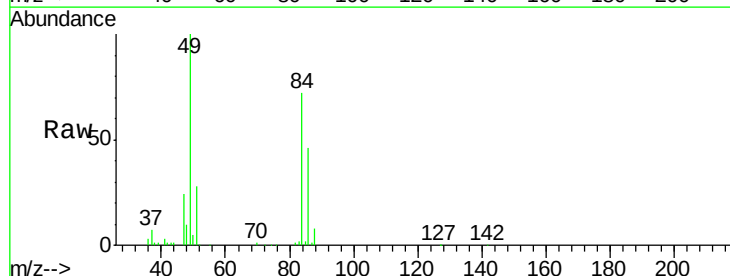
Tot Ion: 73 Resp: 969116
 Ion Ratio Lower Upper
 73 100
 57 16.8 14.0 21.0

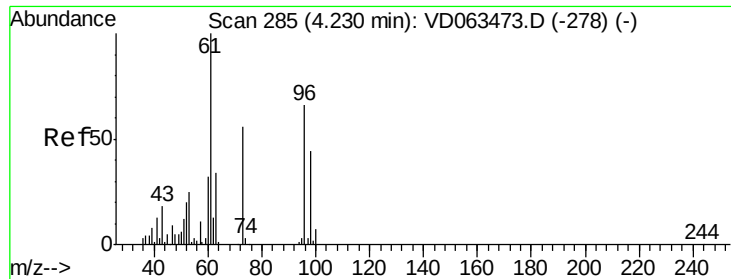


#20

Methylene Chloride
 Concen: 52.081 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion: 84 Resp: 448698
 Ion Ratio Lower Upper
 84 100
 49 138.3 103.4 155.2
 51 39.4 28.5 42.7
 86 62.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 56.579 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

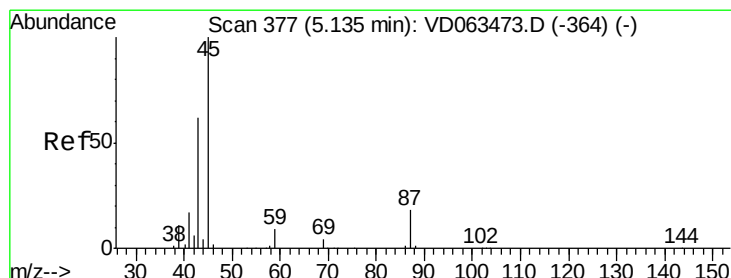
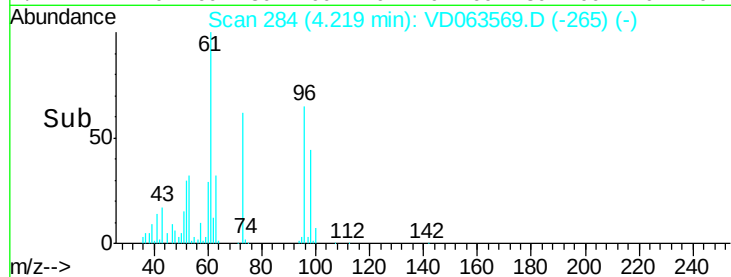
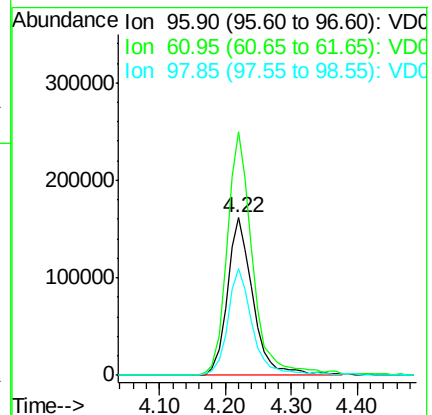
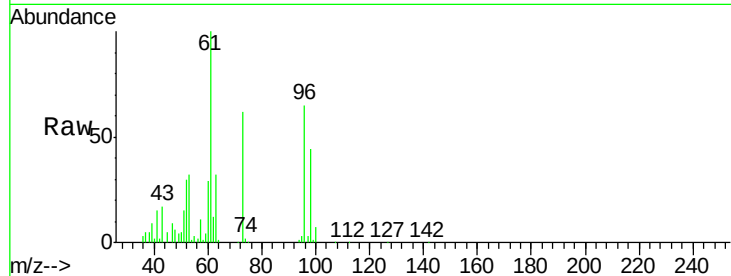
Tot Ion: 96 Resp: 441136

Ion Ratio Lower Upper

96 100

61 154.4 121.7 182.5

98 67.5 54.2 81.2



#22

Diisopropyl ether

Concen: 61.107 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Tgt Ion: 45 Resp: 1404477

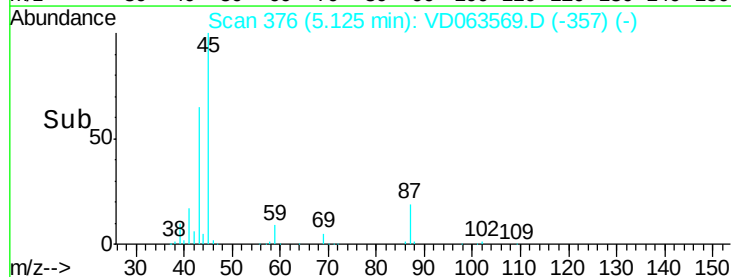
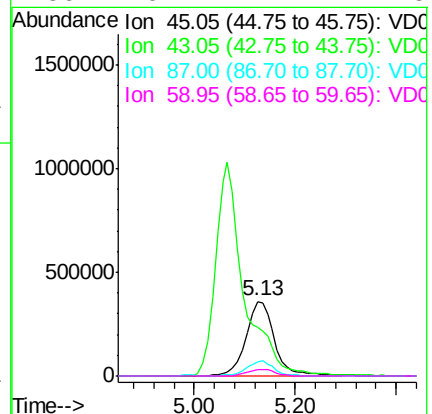
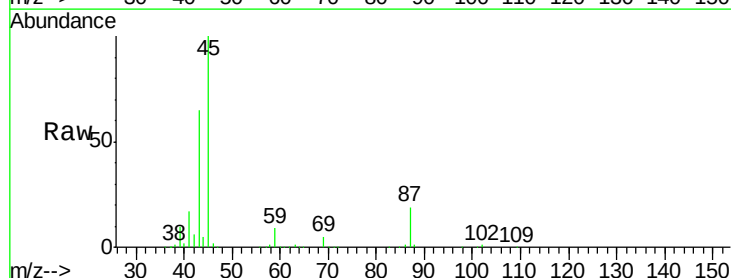
Ion Ratio Lower Upper

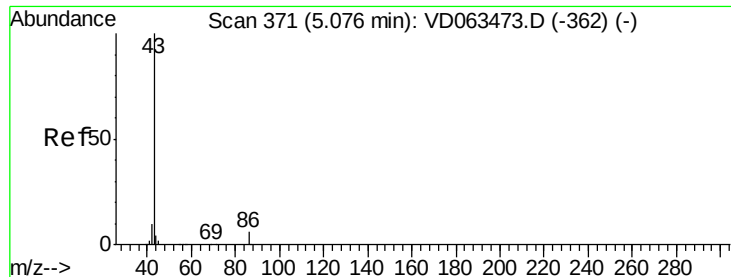
45 100

43 65.1 50.3 75.5

87 18.8 14.3 21.5

59 9.2 7.7 11.5





#23

Vinyl Acetate

Concen: 301.189 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

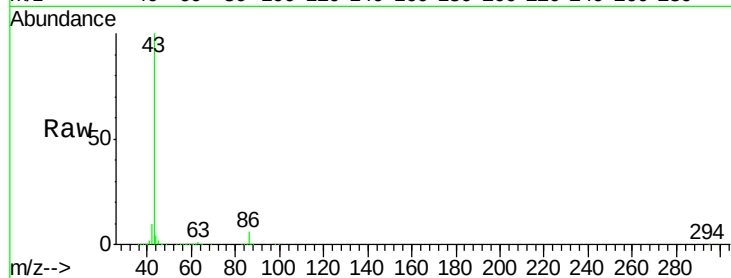
VSTDCCC050EC

Tot Ion: 43 Resp: 4024436

Ion Ratio Lower Upper

43 100

86 6.1 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

400000

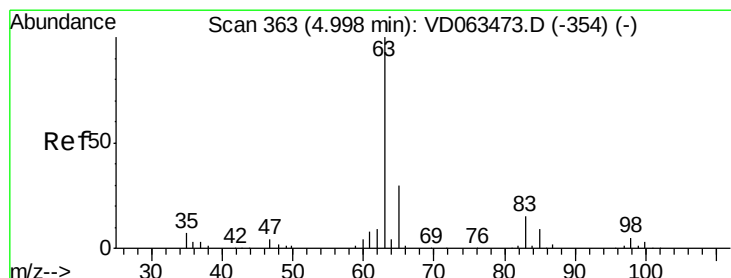
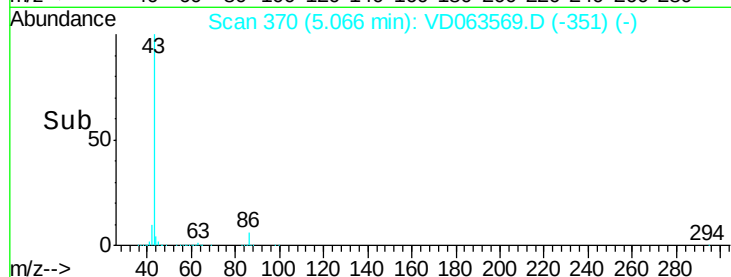
200000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.07



#24

1,1-Dichloroethane

Concen: 57.825 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

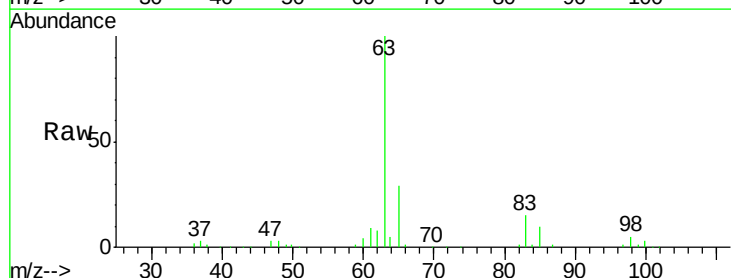
Tgt Ion: 63 Resp: 824320

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

100 2.5 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

300000

250000

200000

150000

100000

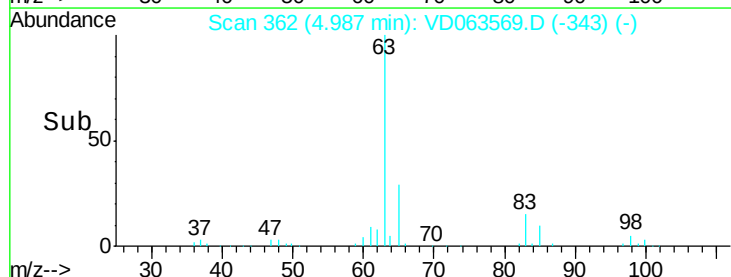
50000

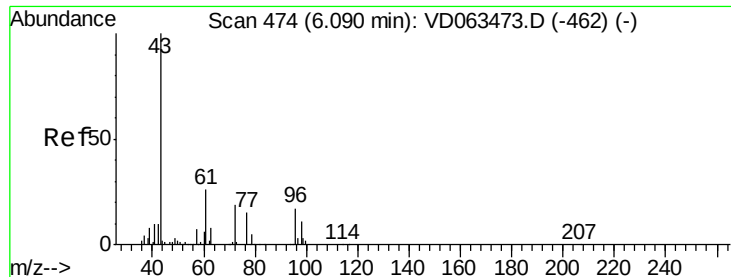
0

Time-->

4.80 4.90 5.00 5.10 5.20

4.99





#25

2-Butanone

Concen: 298.405 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

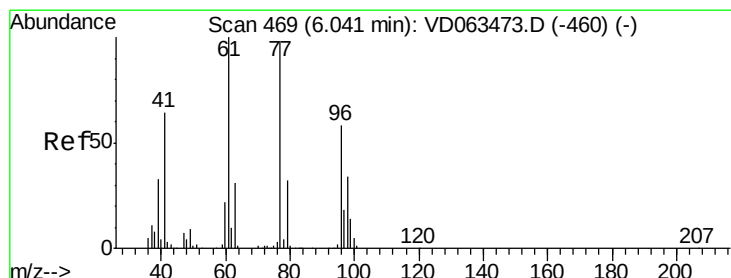
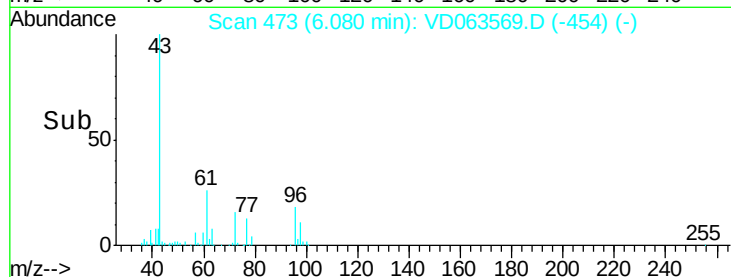
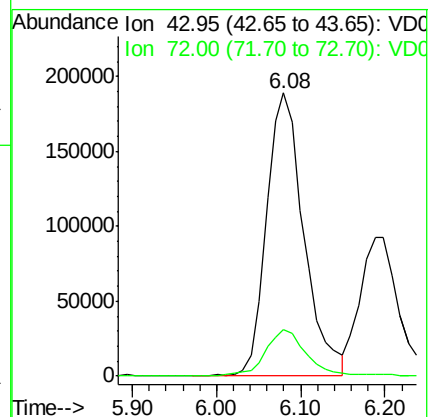
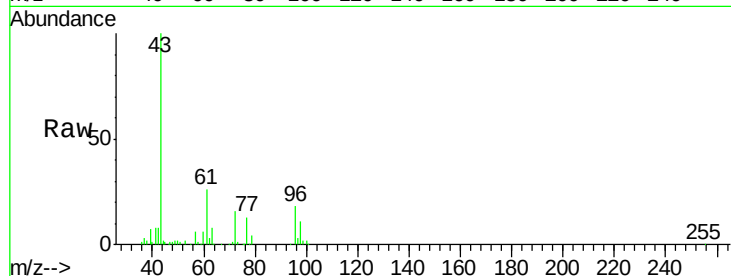
VSTDCCC050EC

Tot Ion: 43 Resp: 587196

Ion Ratio Lower Upper

43 100

72 16.4 15.1 22.7



#26

2,2-Dichloropropane

Concen: 43.046 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063569.D

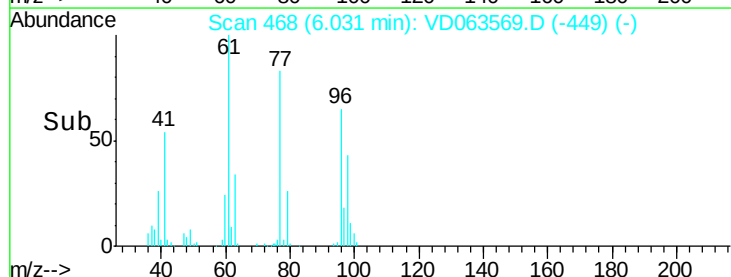
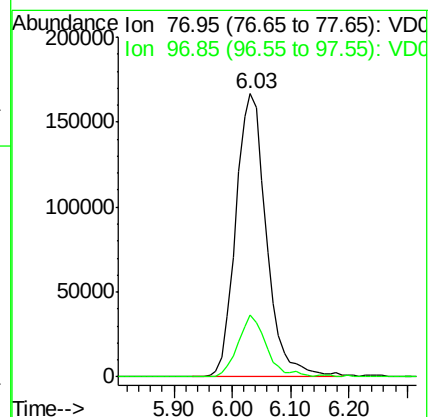
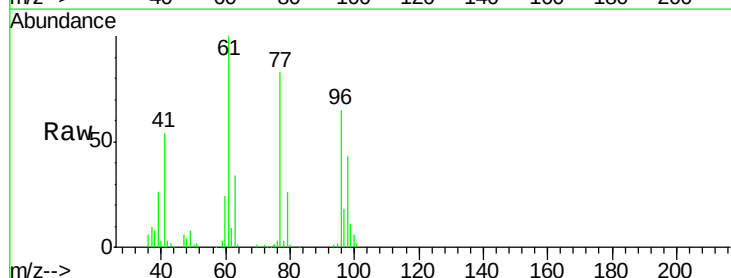
Acq: 14 Aug 2019 12:05

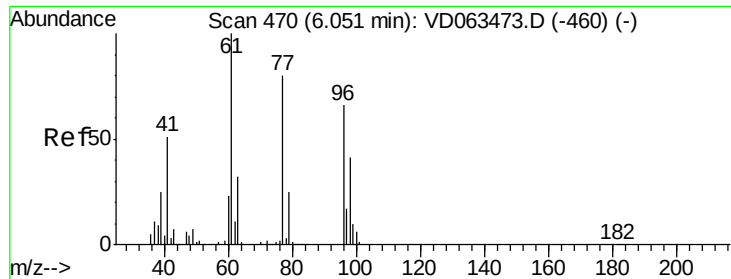
Tgt Ion: 77 Resp: 611201

Ion Ratio Lower Upper

77 100

97 21.8 9.0 27.1



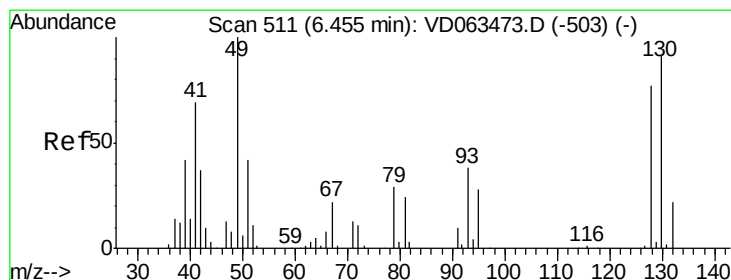
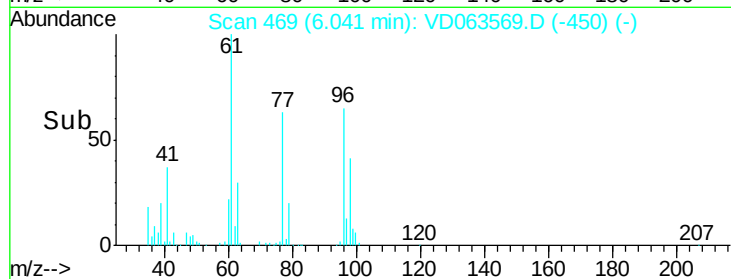
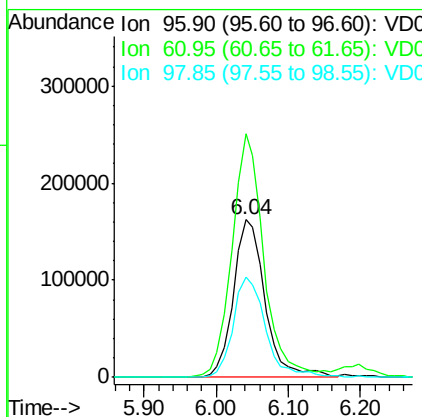
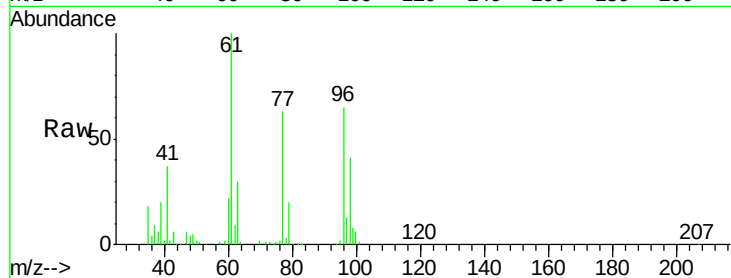


#27

cis-1,2-Dichloroethene
Concen: 58.492 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

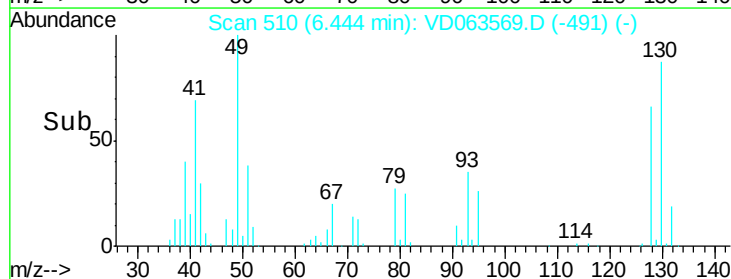
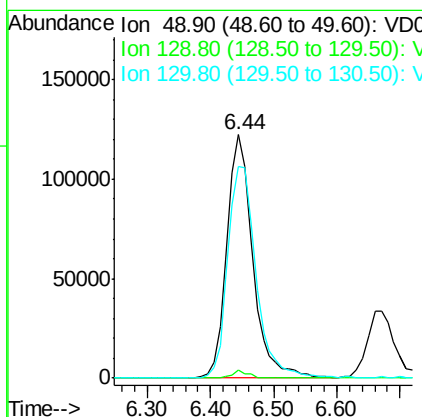
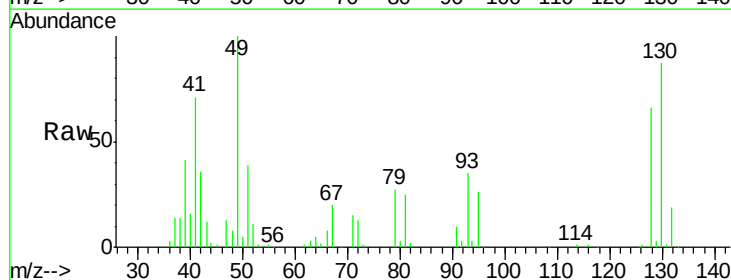
Tot Ion	96	Resp	498967
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	304.0
98	63.8	0.0	124.8

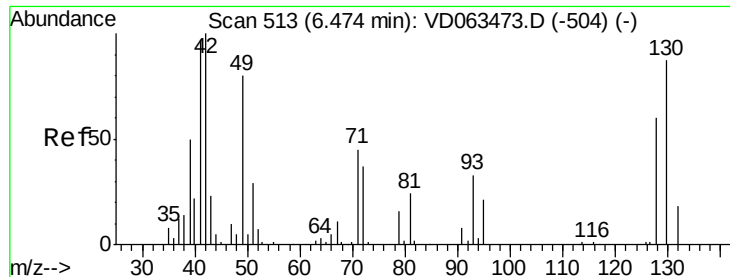


#28

Bromochloromethane
Concen: 60.304 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion	49	Resp	348407
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	6.4
130	87.1	72.4	108.6





#29

Tetrahydrofuran

Concen: 314.155 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

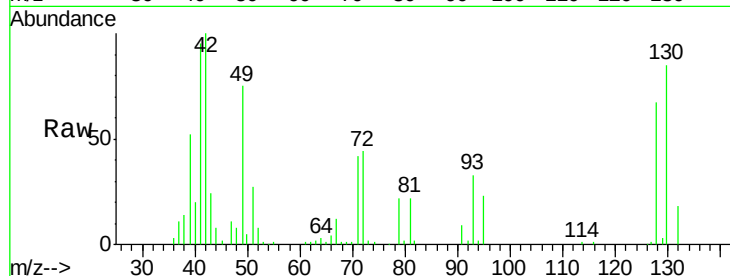
Tot Ion: 42 Resp: 288060

Ion Ratio Lower Upper

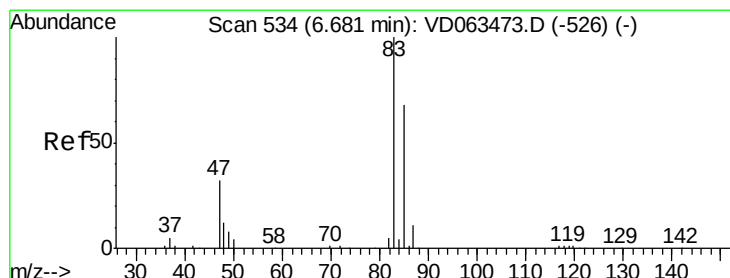
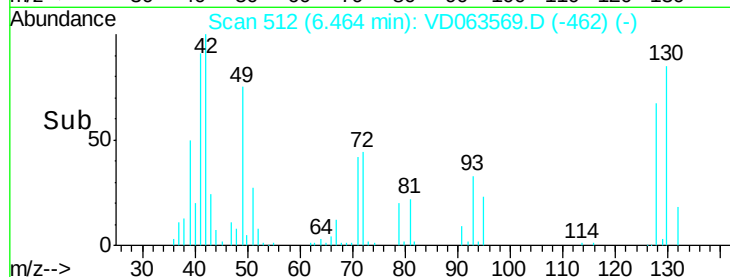
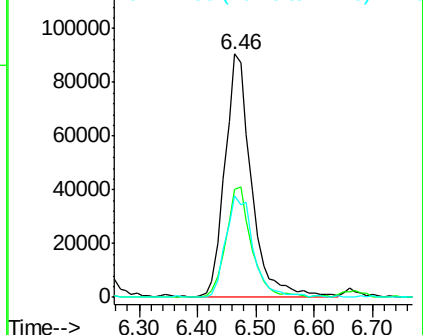
42 100

72 43.2 31.5 47.3

71 43.0 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 57.242 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD063569.D

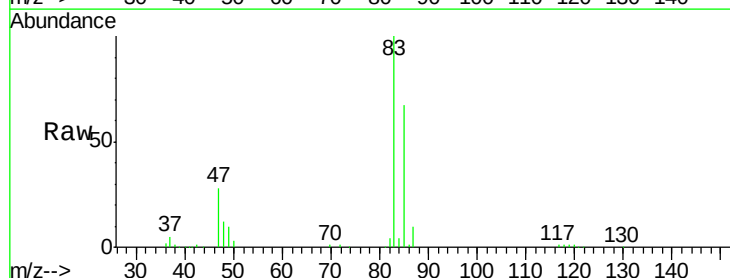
Acq: 14 Aug 2019 12:05

Tgt Ion: 83 Resp: 1014272

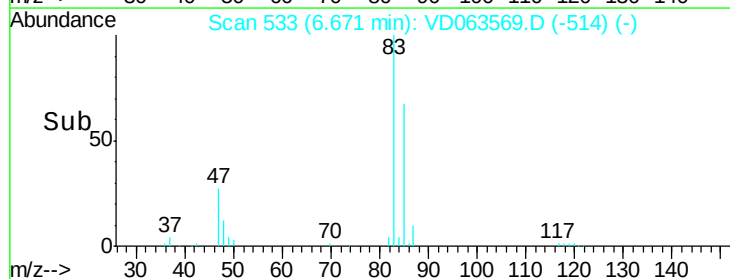
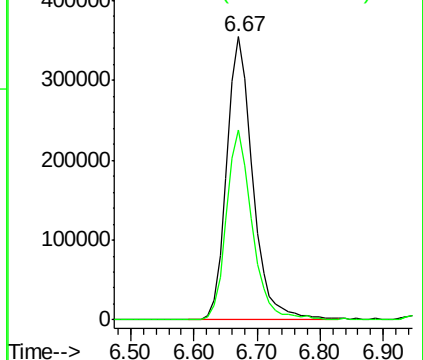
Ion Ratio Lower Upper

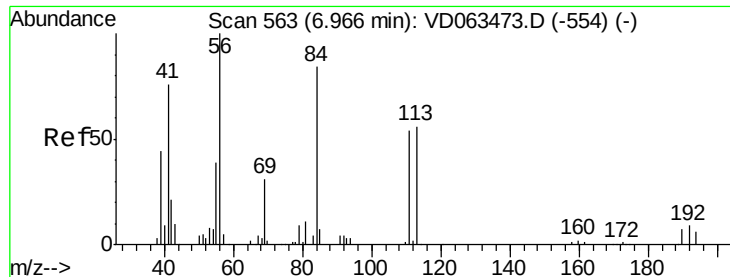
83 100

85 67.0 54.8 82.2



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

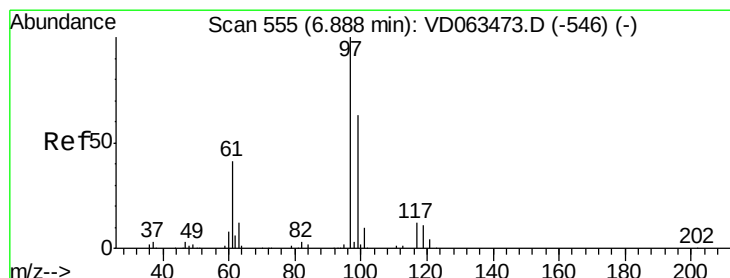
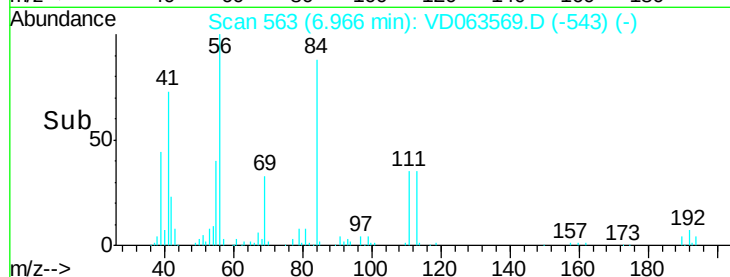
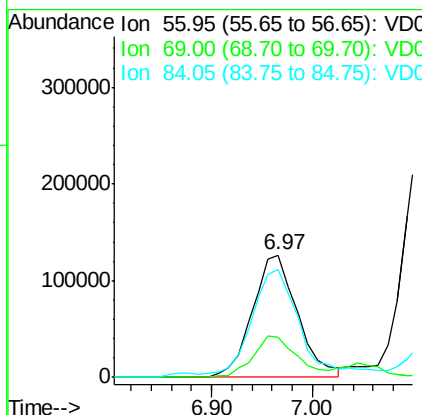
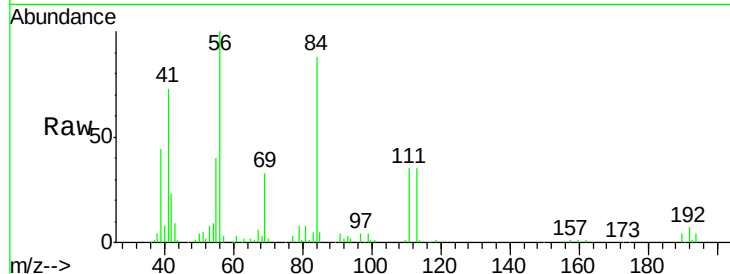




#31
Cyclohexane
Concen: 44.395 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

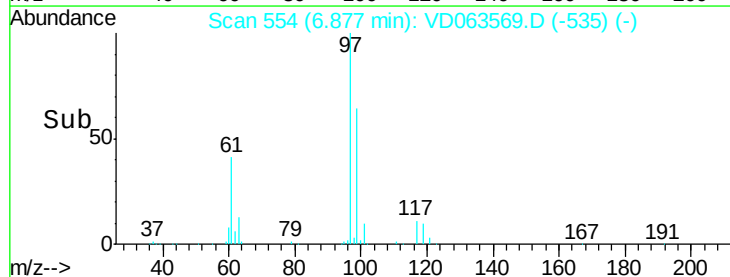
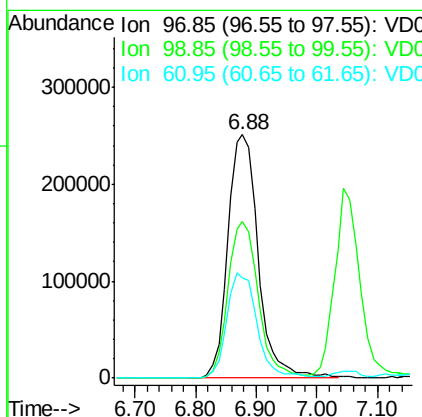
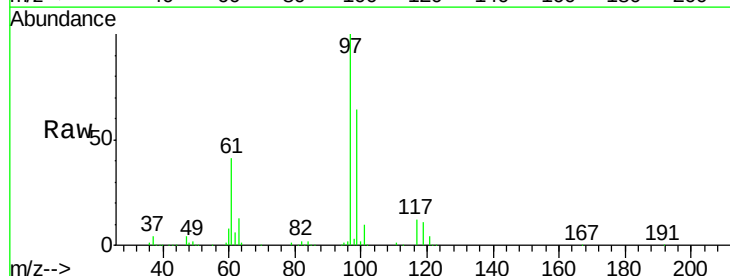
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

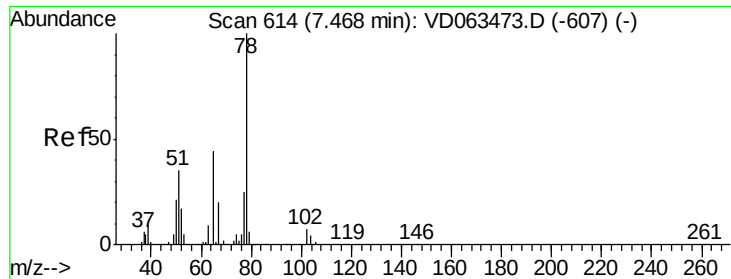
Tot Ion: 56 Resp: 392885
Ion Ratio Lower Upper
56 100
69 32.9 25.0 37.6
84 88.0 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 51.627 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion: 97 Resp: 875067
Ion Ratio Lower Upper
97 100
99 64.3 50.2 75.4
61 41.0 33.1 49.7

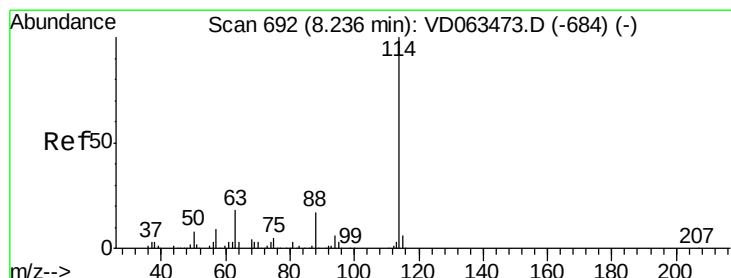
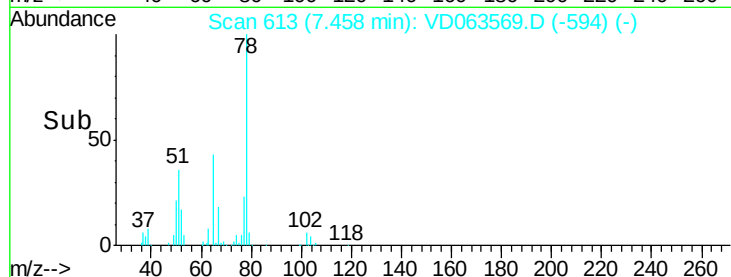
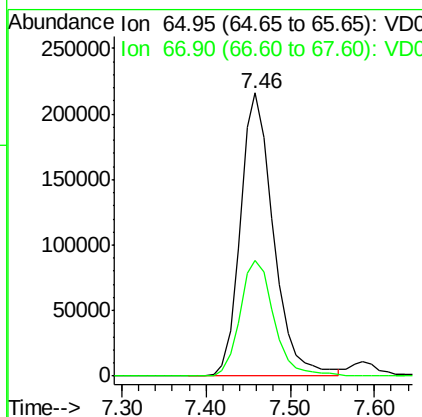
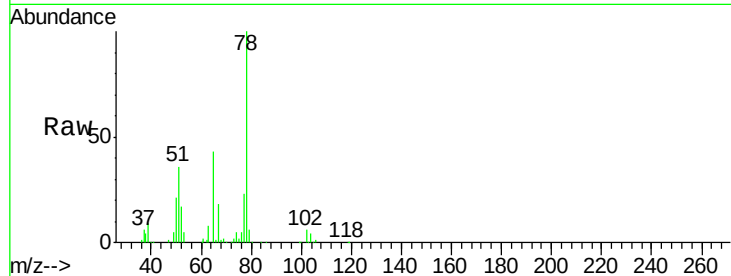




#33
 1,2-Dichloroethane-d4
 Concen: 60.421 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

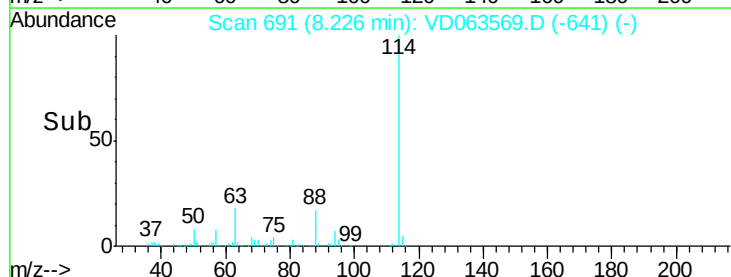
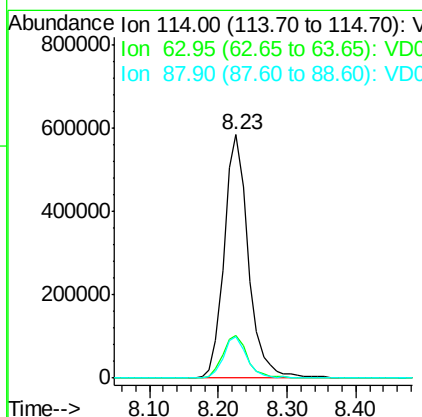
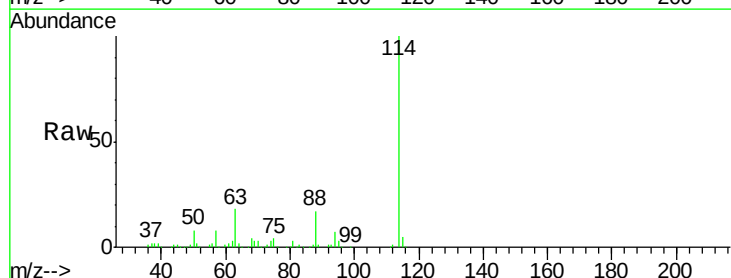
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

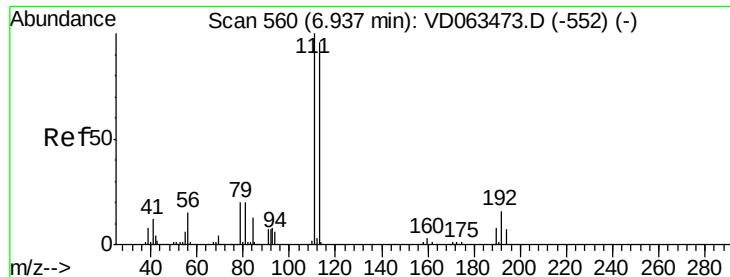
Tot Ion: 65 Resp: 592202
 Ion Ratio Lower Upper
 65 100
 67 40.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion: 114 Resp: 1421234
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.2
 88 16.8 0.0 35.0





#35

Dibromofluoromethane

Concen: 53.921 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

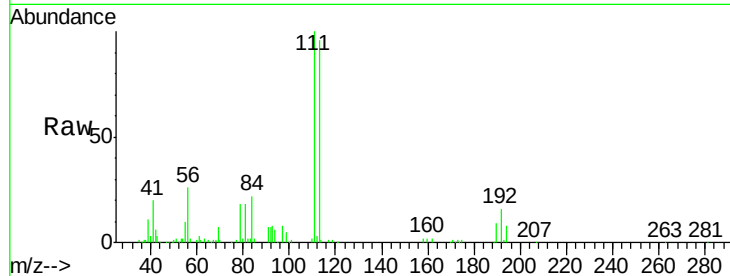
Tot Ion:113 Resp: 645422

Ion Ratio Lower Upper

113 100

111 104.7 83.1 124.7

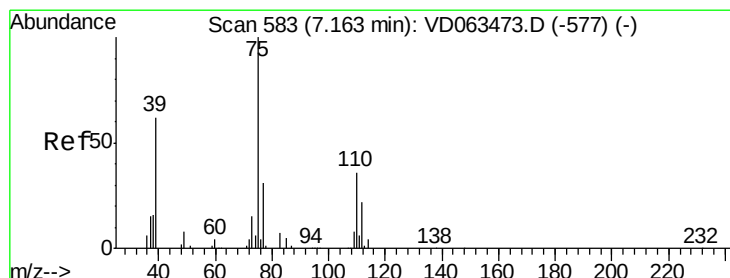
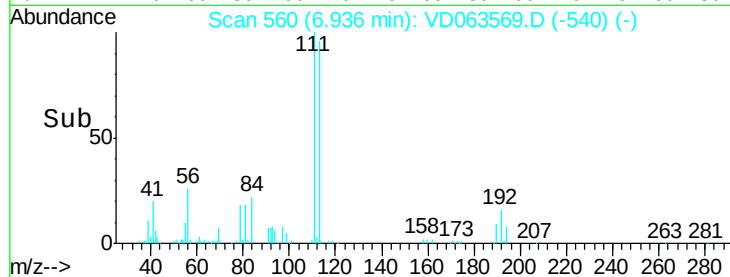
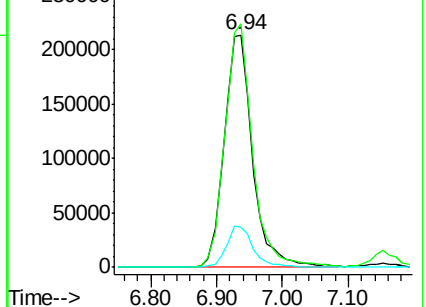
192 17.0 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.068 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

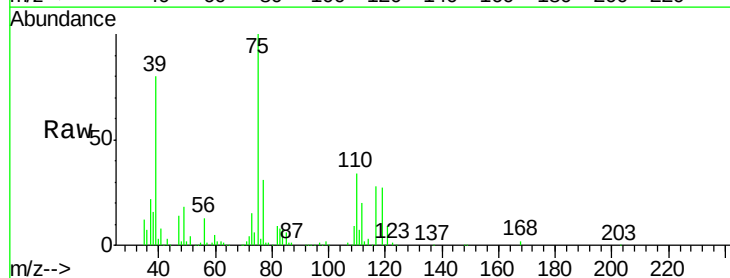
Tgt Ion: 75 Resp: 629056

Ion Ratio Lower Upper

75 100

110 34.2 17.6 52.8

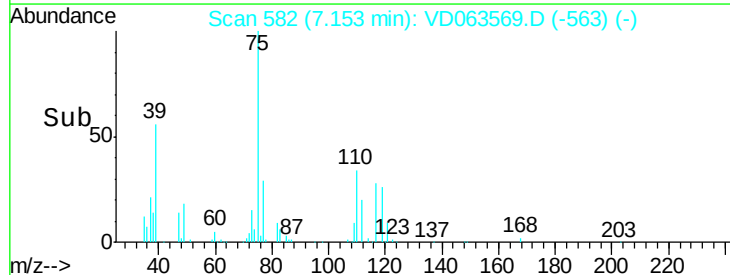
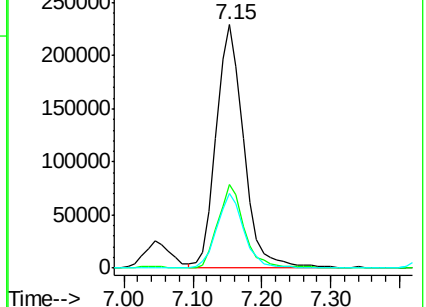
77 30.5 24.3 36.5

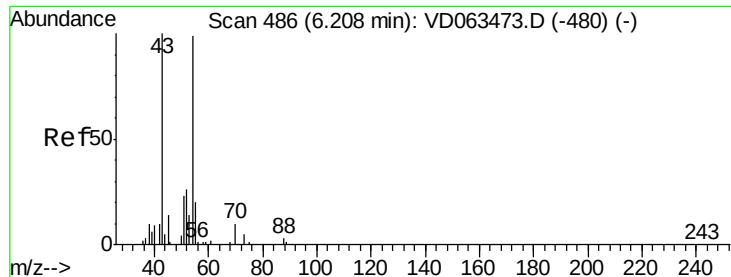


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

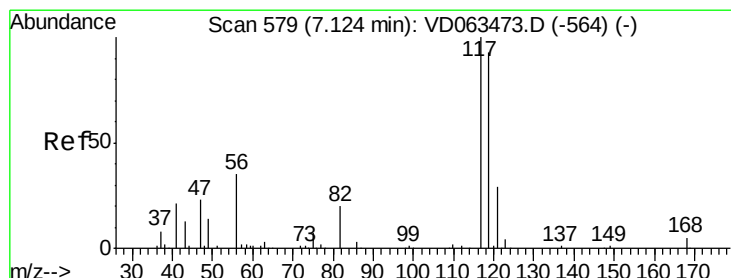
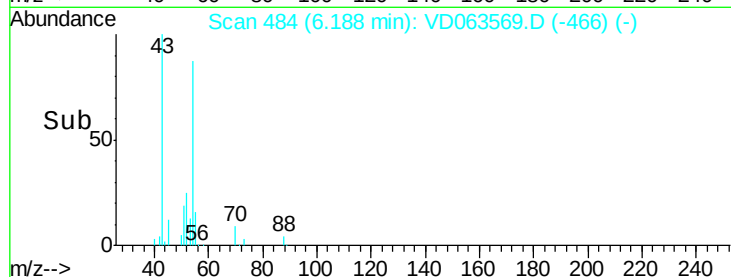
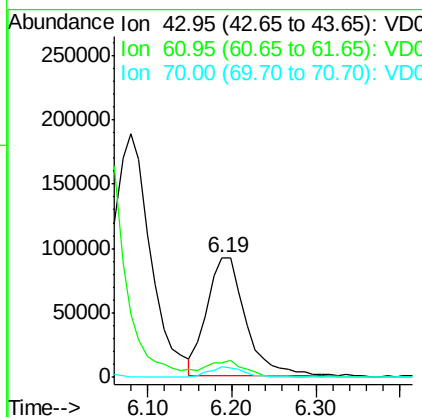
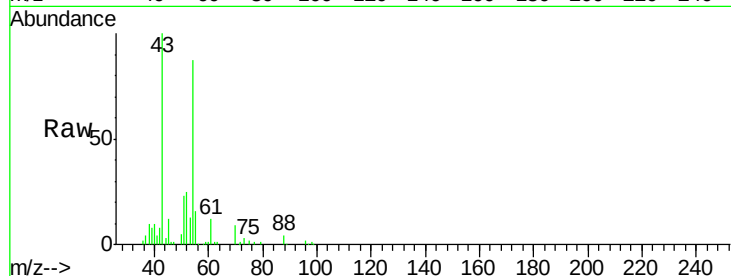




#37
Ethyl Acetate
Concen: 55.633 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

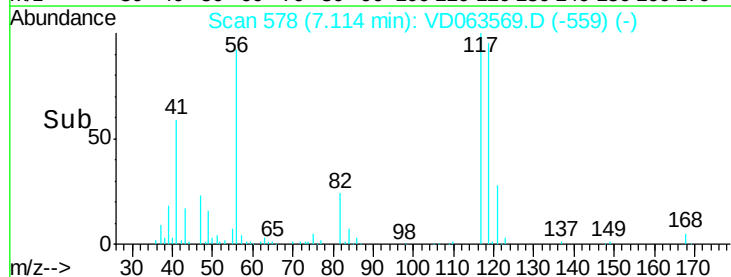
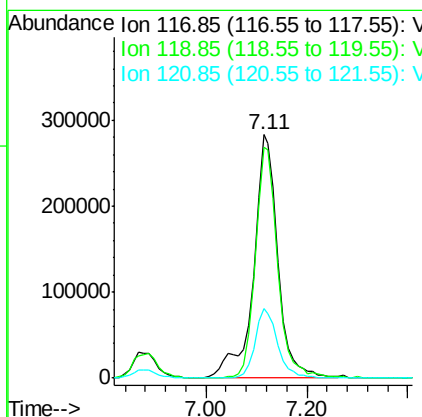
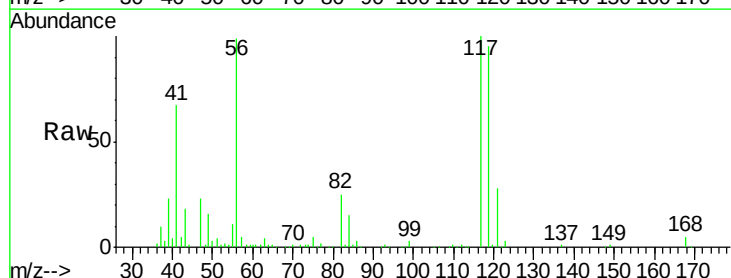
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

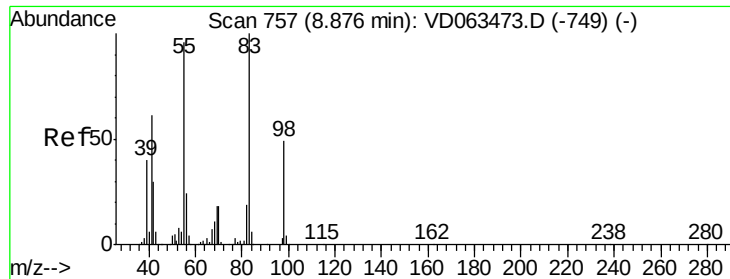
Tot Ion: 43 Resp: 292893
Ion Ratio Lower Upper
43 100
61 11.7 9.0 13.6
70 9.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 50.696 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion: 117 Resp: 959948
Ion Ratio Lower Upper
117 100
119 95.1 74.2 111.2
121 28.4 23.1 34.7

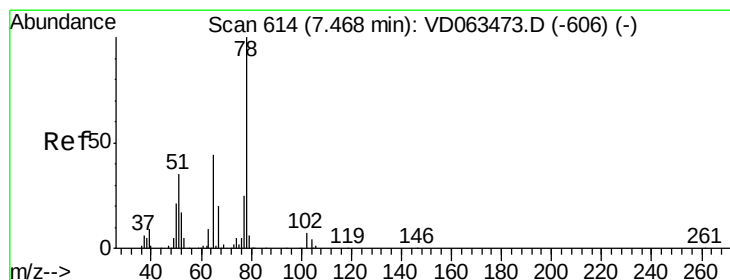
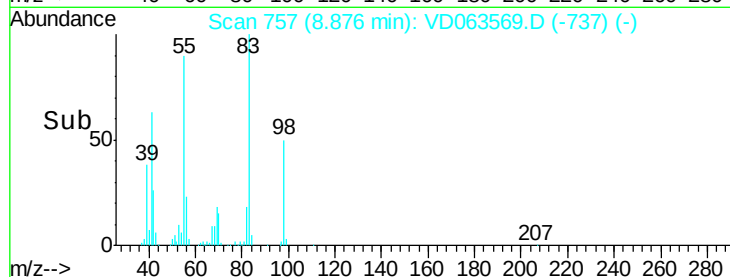
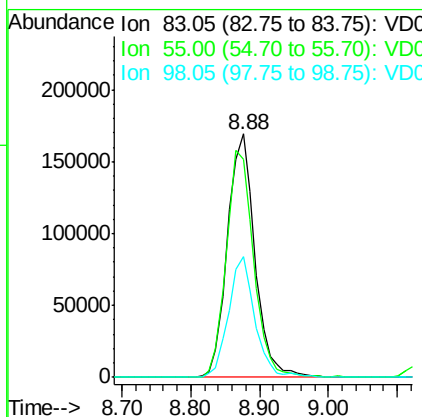
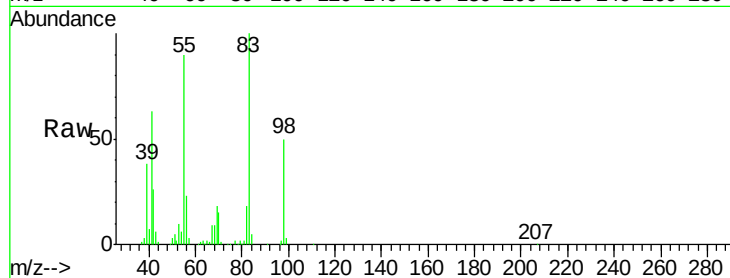




#39
Methylvlcyclohexane
Concen: 43.915 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

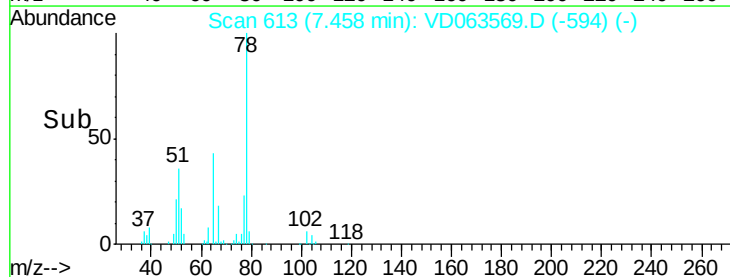
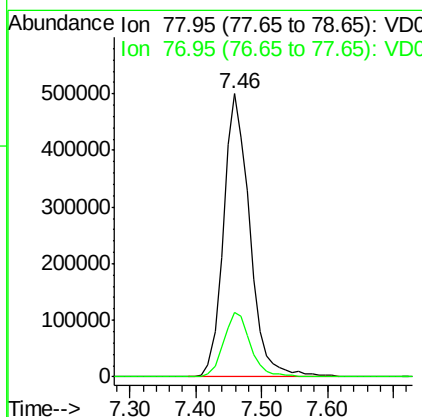
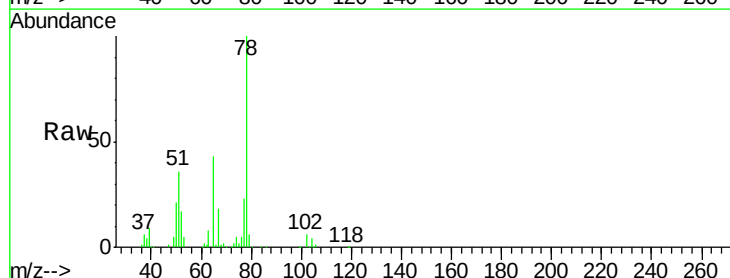
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

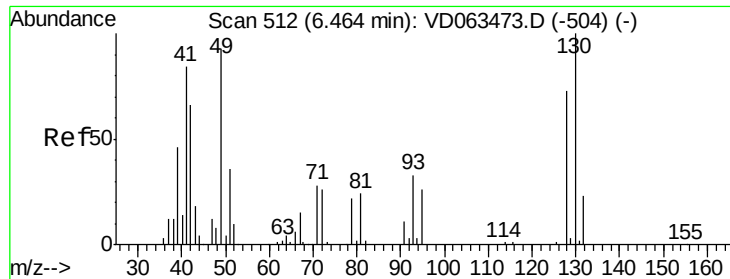
Tot Ion: 83 Resp: 469171
Ion Ratio Lower Upper
83 100
55 89.6 76.6 114.8
98 49.6 39.4 59.0



#40
Benzene
Concen: 50.523 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion: 78 Resp: 1396917
Ion Ratio Lower Upper
78 100
77 23.0 20.1 30.1

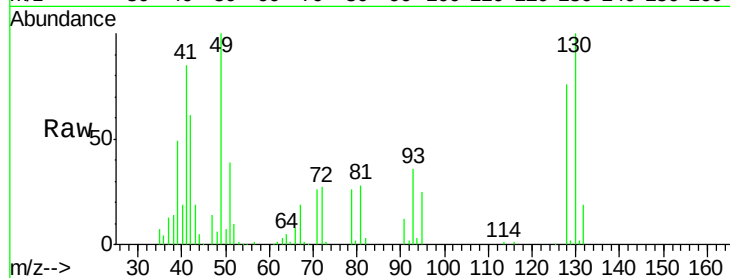




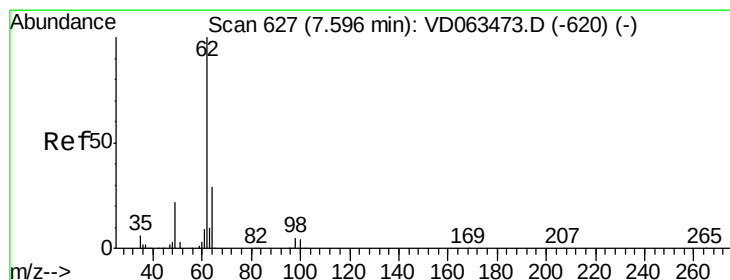
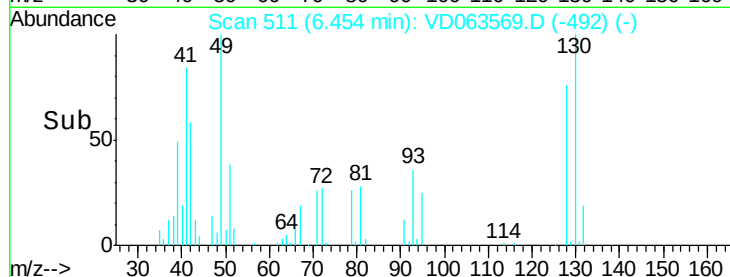
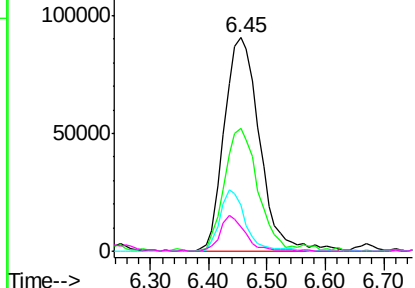
#41
Methacrylonitrile
Concen: 57.779 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	383011
Ion	Ratio	Lower	Upper
41	100		
39	57.8	44.6	66.8
67	21.8	14.4	21.6#
52	11.5	9.3	13.9

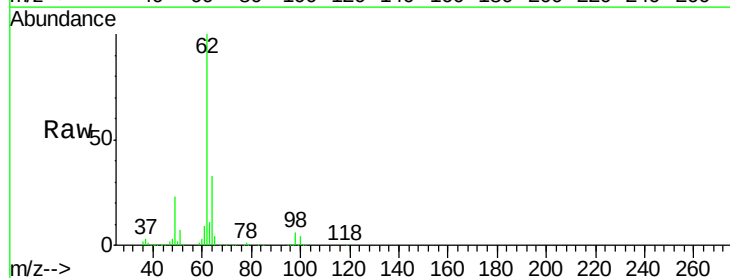


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

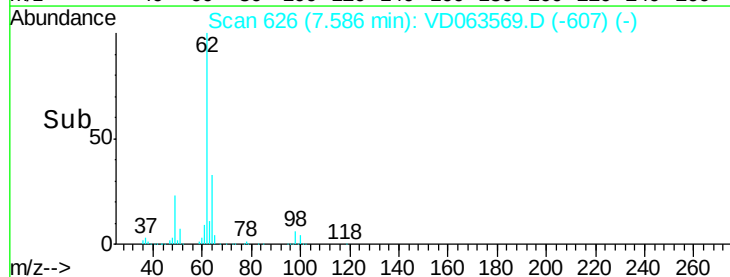
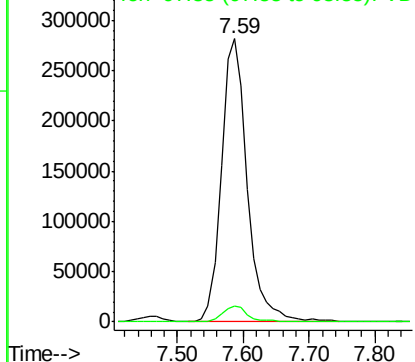


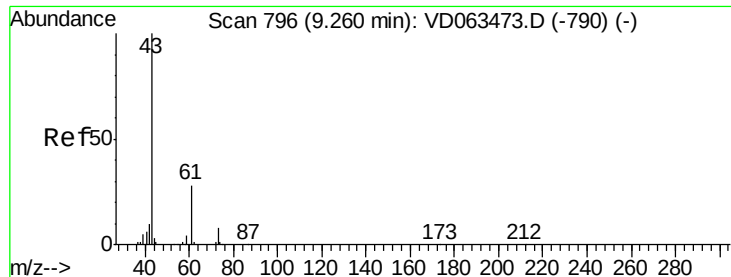
#42
1,2-Dichloroethane
Concen: 55.169 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion:	62	Resp:	766997
Ion	Ratio	Lower	Upper
62	100		
98	5.6	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: 55.498 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

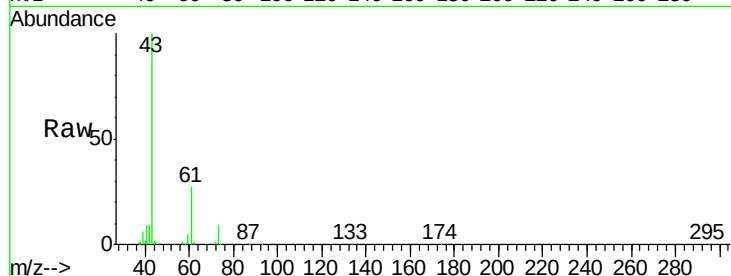
Tot Ion: 43 Resp: 391324

Ion Ratio Lower Upper

43 100

61 26.9 22.2 33.2

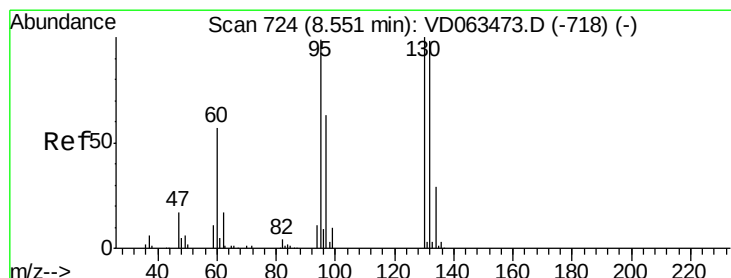
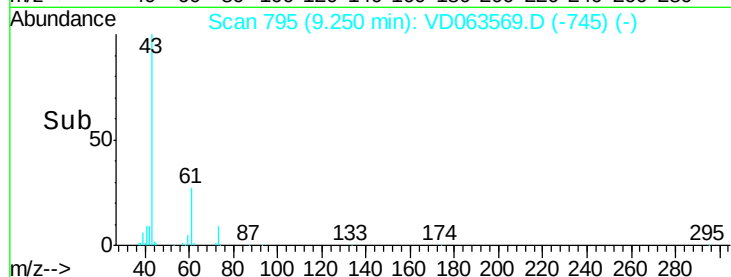
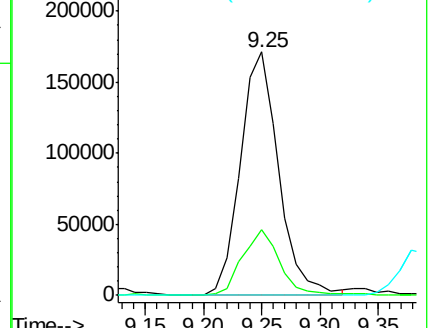
87 0.4 0.2 0.4



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: 51.380 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD063569.D

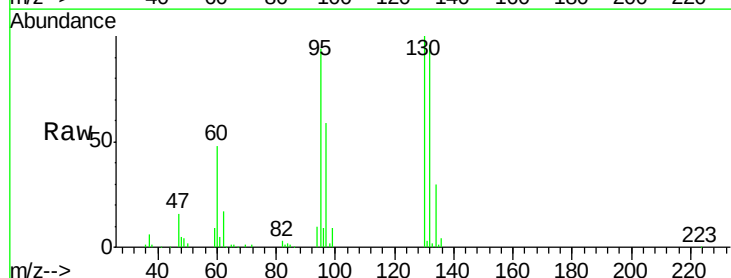
Acq: 14 Aug 2019 12:05

Tgt Ion: 130 Resp: 542991

Ion Ratio Lower Upper

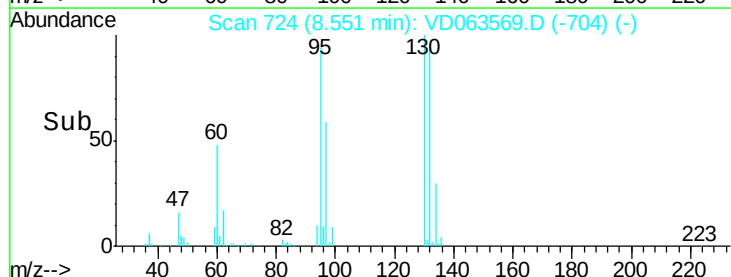
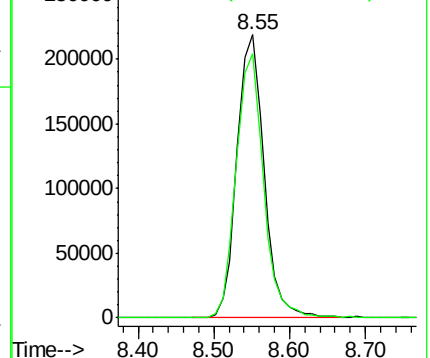
130 100

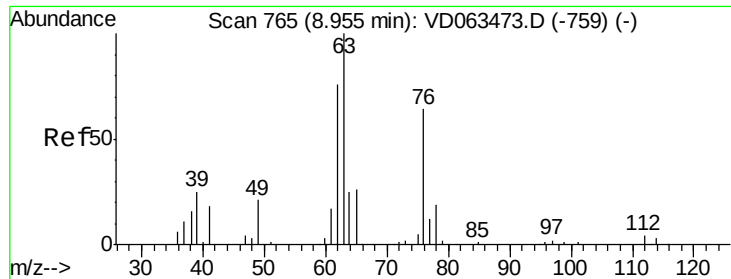
95 93.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 56.809 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

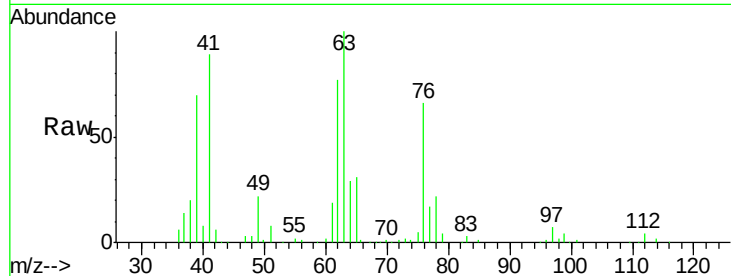
VSTDCCC050EC

Tot Ion: 63 Resp: 365784

Ion Ratio Lower Upper

63 100

65 30.6 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

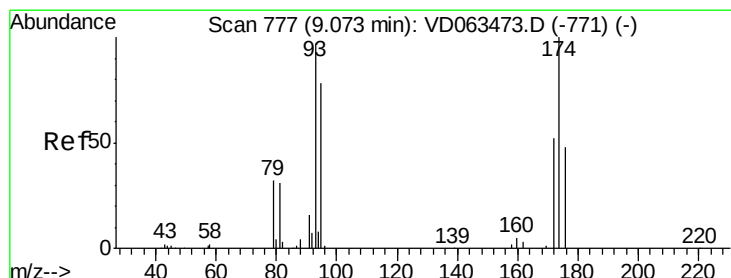
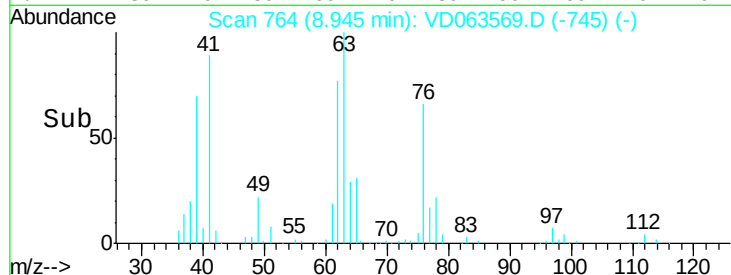
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 56.058 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

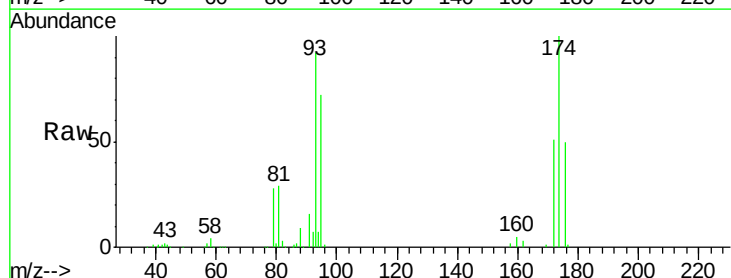
Tgt Ion: 93 Resp: 308242

Ion Ratio Lower Upper

93 100

95 77.9 64.2 96.2

174 108.5 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

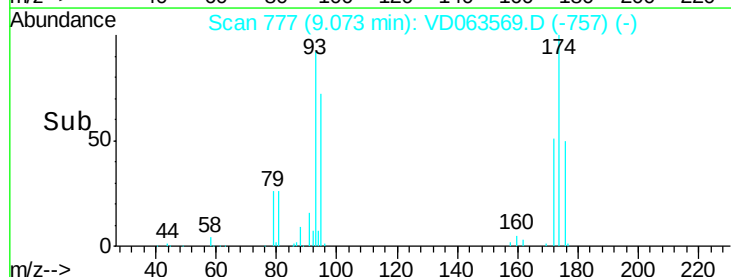
150000

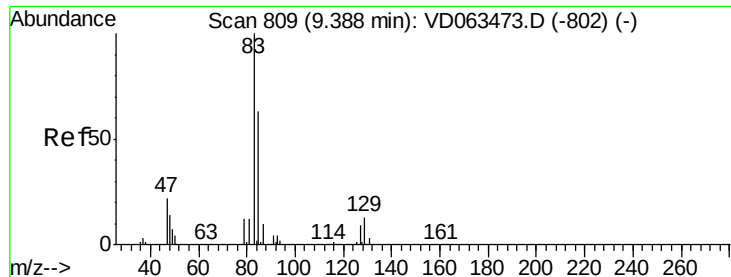
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 56.146 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

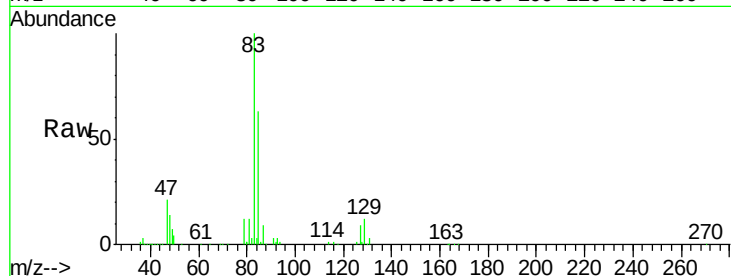
Tot Ion: 83 Resp: 791911

Ion Ratio Lower Upper

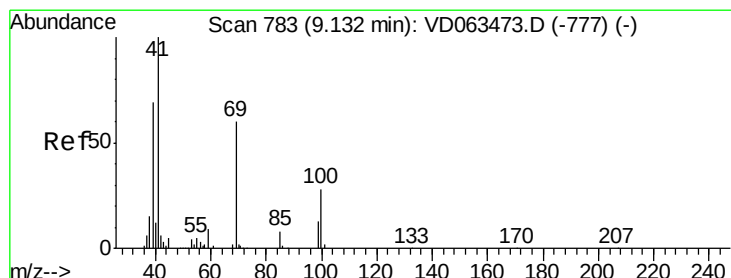
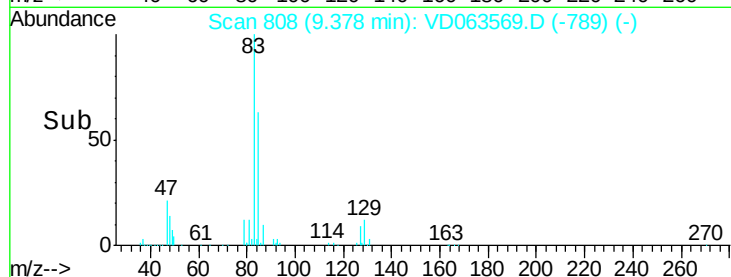
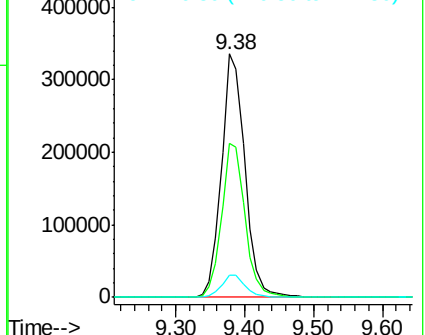
83 100

85 63.4 50.1 75.1

127 8.9 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: 58.399 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

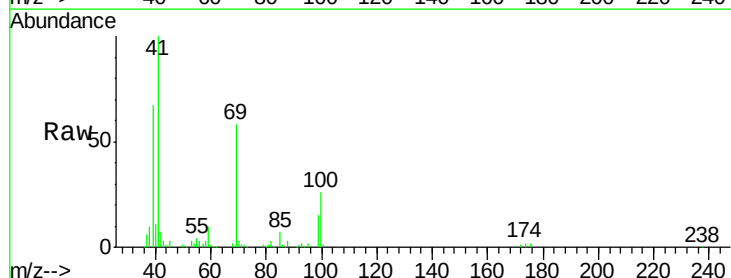
Tgt Ion: 41 Resp: 279261

Ion Ratio Lower Upper

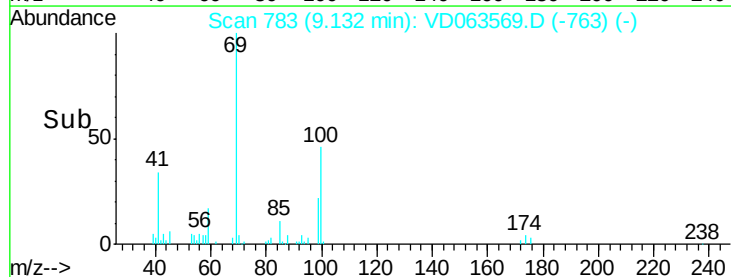
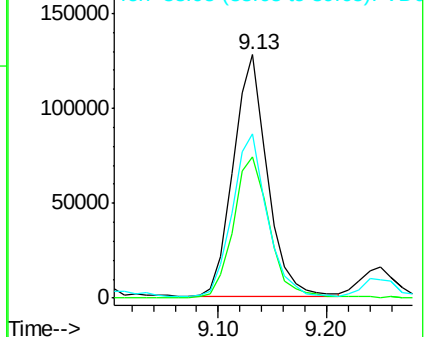
41 100

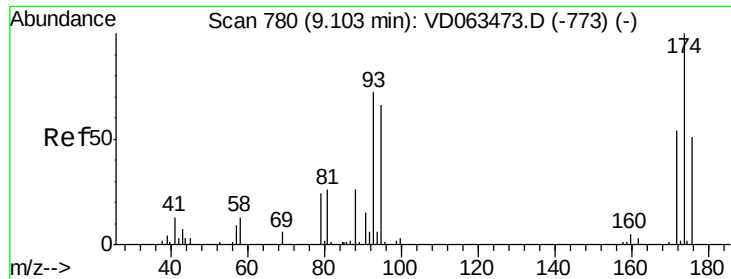
69 58.1 47.6 71.4

39 67.5 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

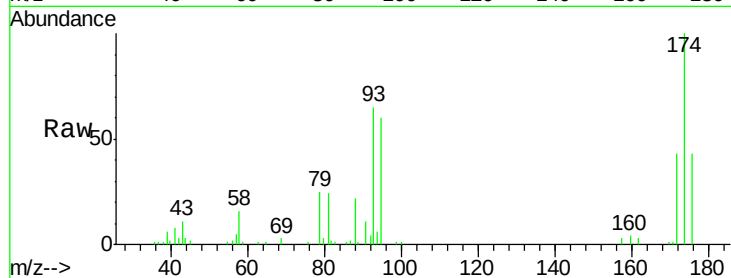




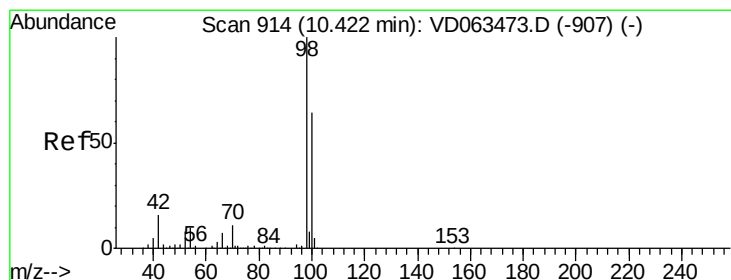
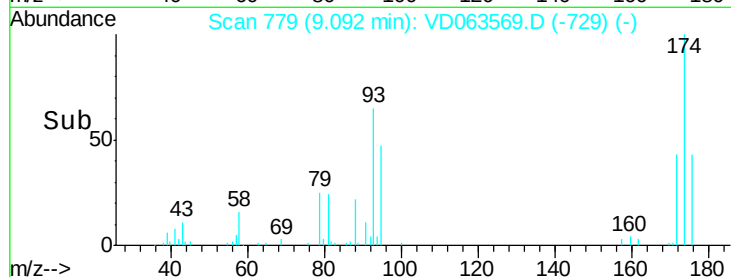
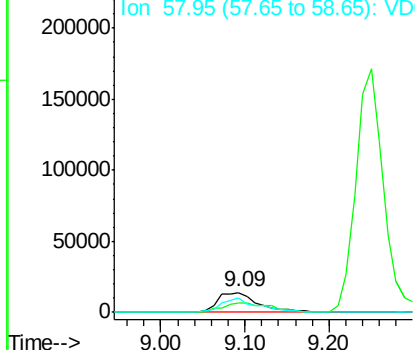
#49
1,4-Dioxane
Concen: 1087.955 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 46553
Ion Ratio Lower Upper
88 100
43 48.4 22.9 34.3#
58 74.2 40.1 60.1#

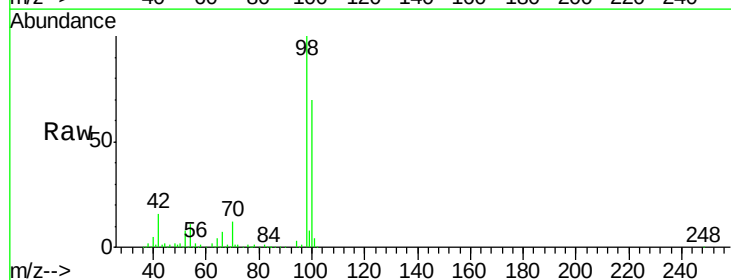


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

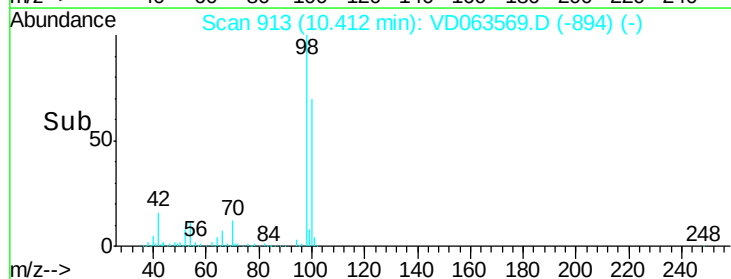
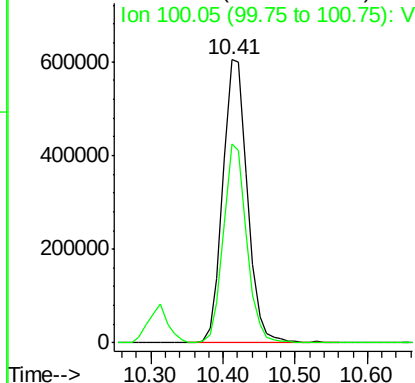


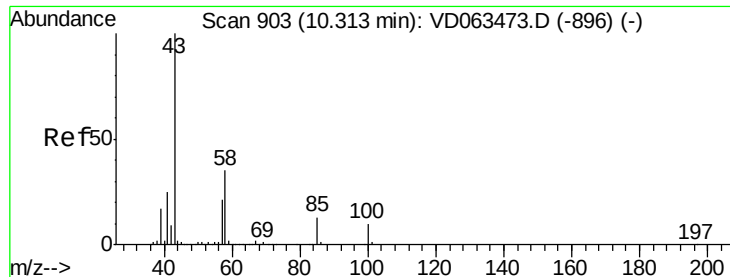
#50
Toluene-d8
Concen: 54.222 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion: 98 Resp: 1426915
Ion Ratio Lower Upper
98 100
100 70.1 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: 305.427 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

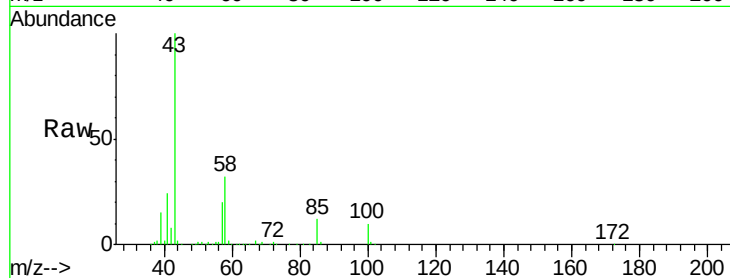
VSTDCCC050EC

Tot Ion: 43 Resp: 1473654

Ion Ratio Lower Upper

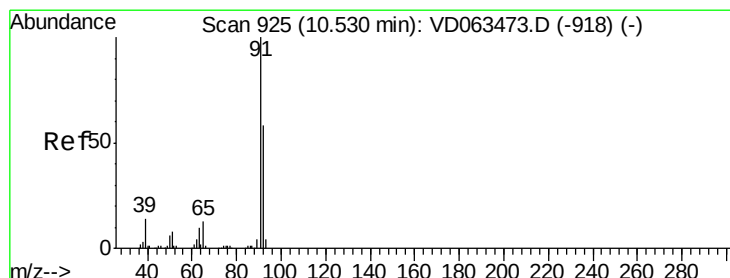
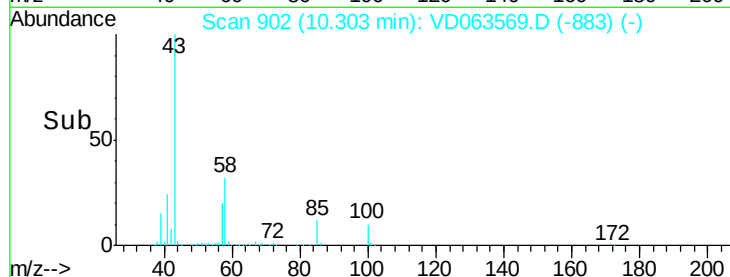
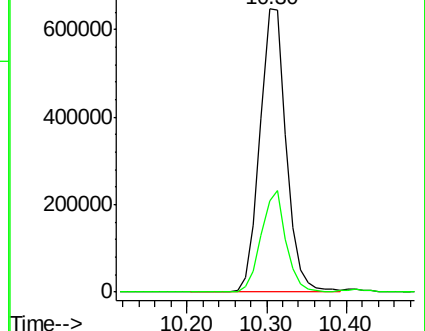
43 100

58 32.2 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.795 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063569.D

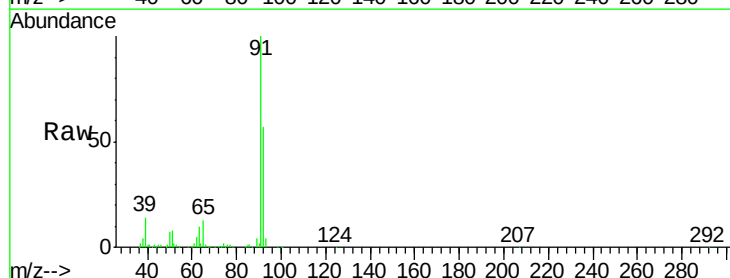
Acq: 14 Aug 2019 12:05

Tgt Ion: 92 Resp: 886772

Ion Ratio Lower Upper

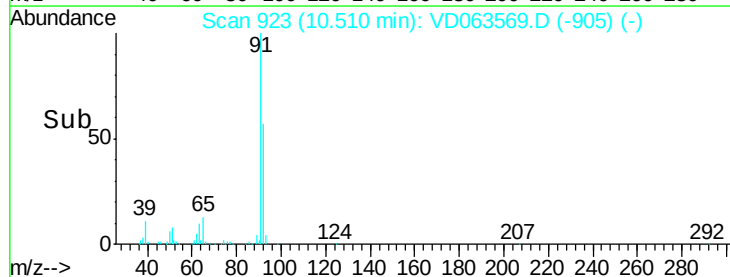
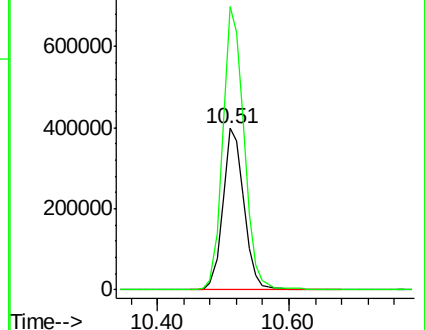
92 100

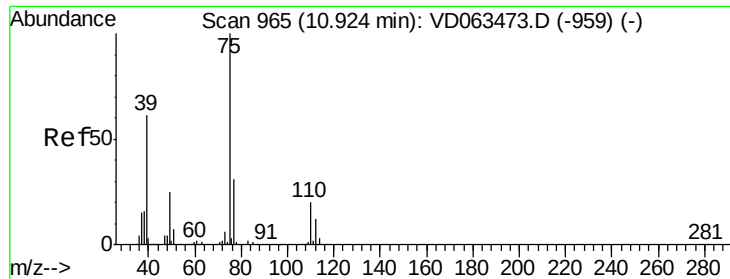
91 175.3 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

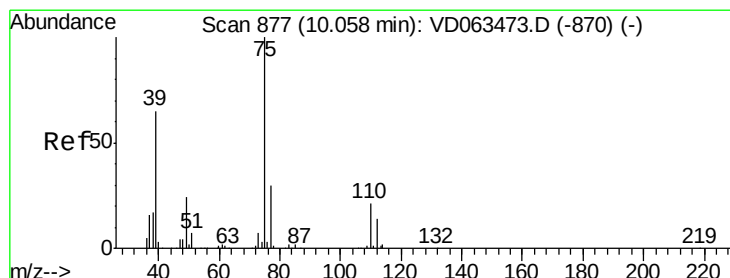
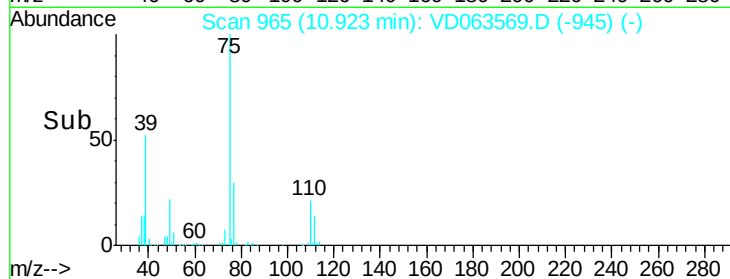
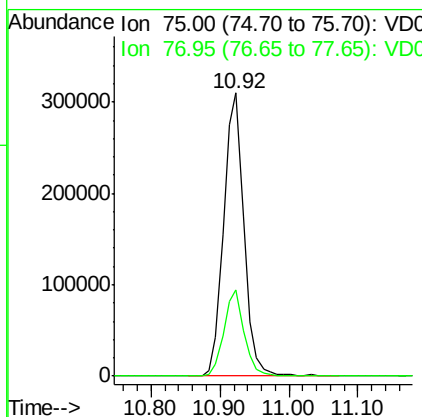
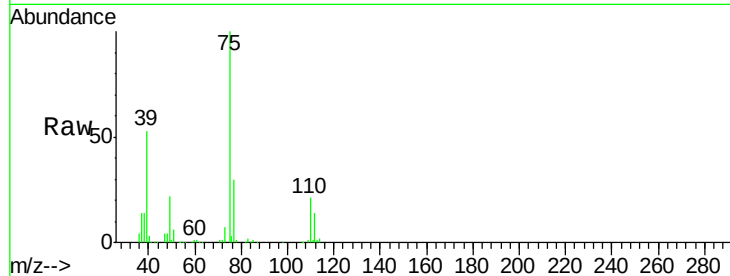




#53
 t-1,3-Dichloropropene
 Concen: 54.774 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

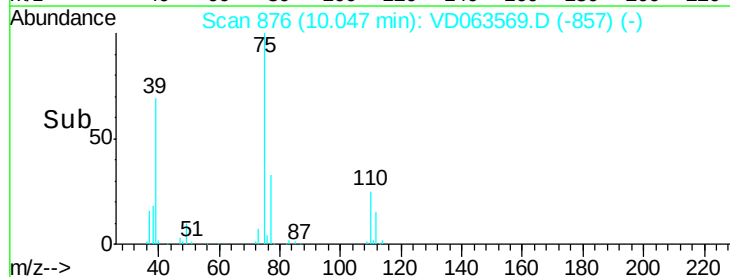
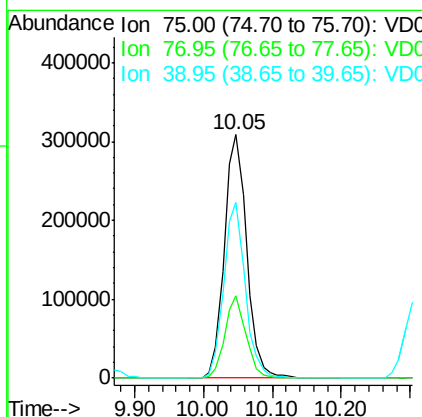
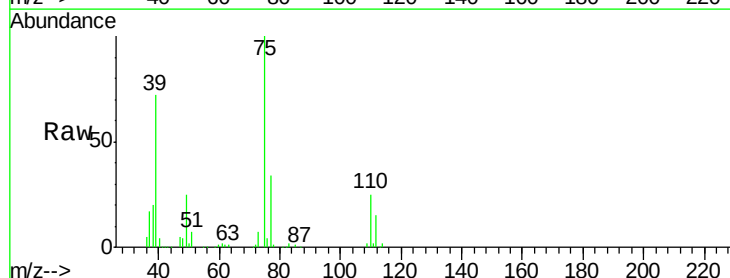
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

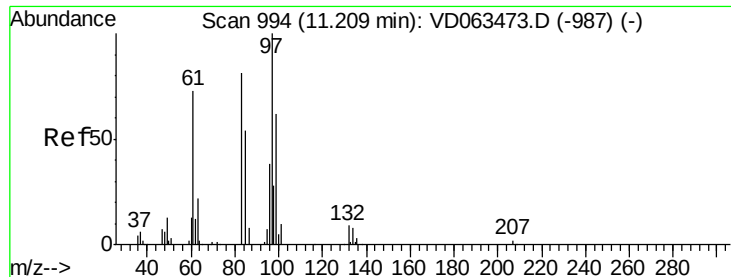
Tot Ion: 75 Resp: 630480
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 53.489 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion: 75 Resp: 694245
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.7 35.5
 39 72.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 55.727 ug/l

RT: 11.20 min Scan# 993

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 335232

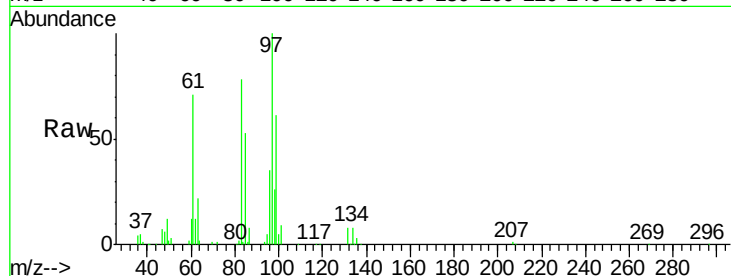
Ion Ratio Lower Upper

97 100

83 77.8 64.7 97.1

85 52.8 42.9 64.3

99 61.1 49.7 74.5

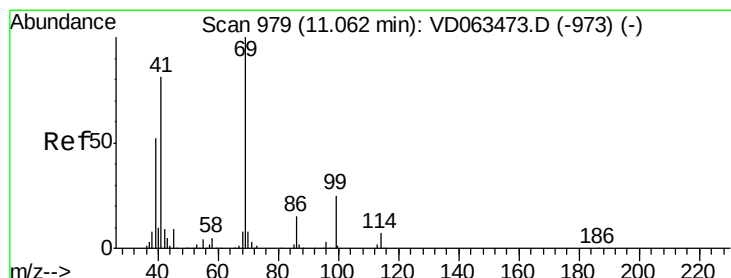
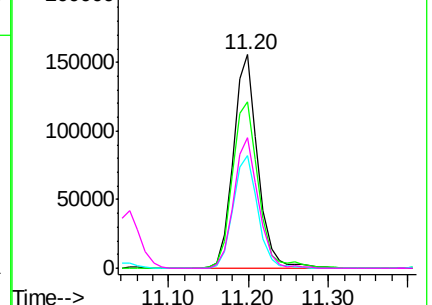
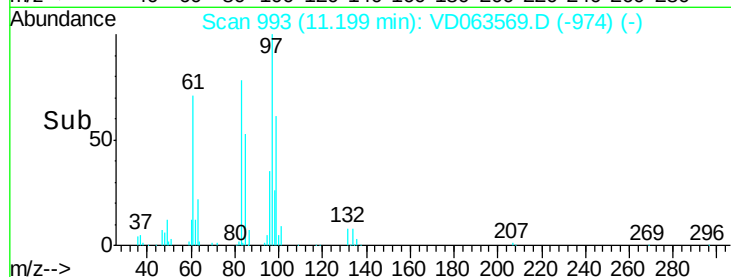


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 59.439 ug/l

RT: 11.05 min Scan# 978

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

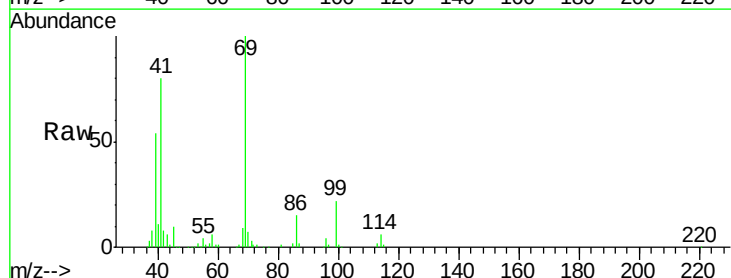
Tgt Ion: 69 Resp: 388095

Ion Ratio Lower Upper

69 100

41 80.1 64.8 97.2

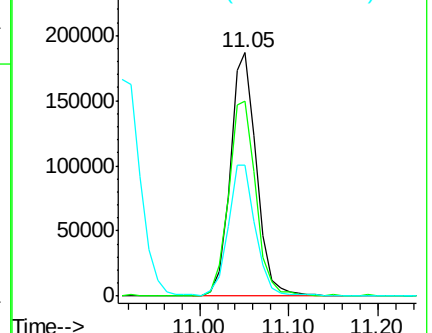
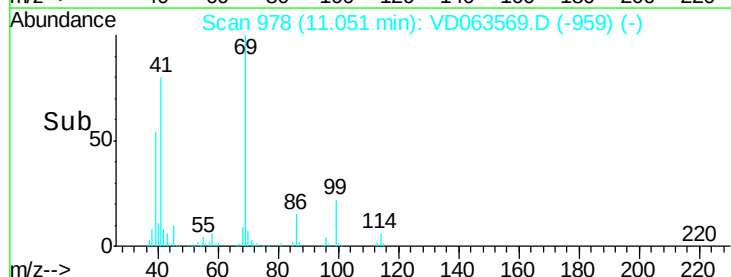
39 53.9 42.4 63.6

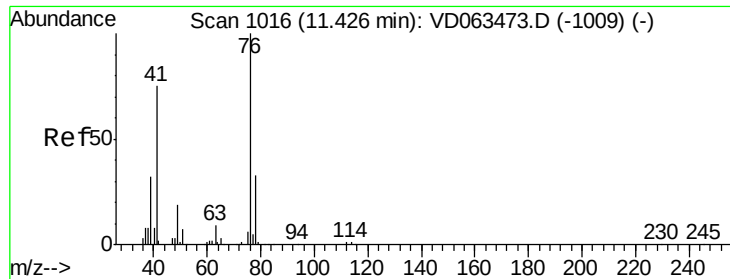


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

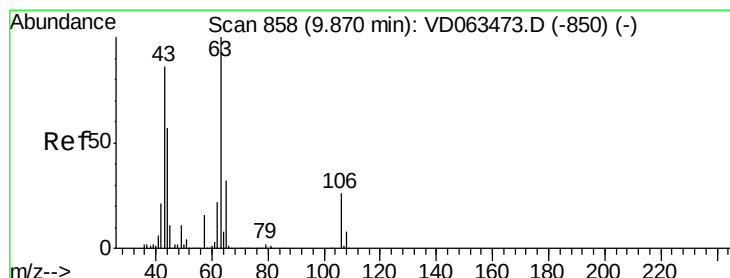
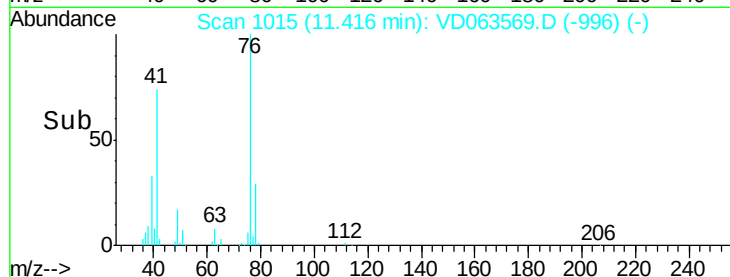
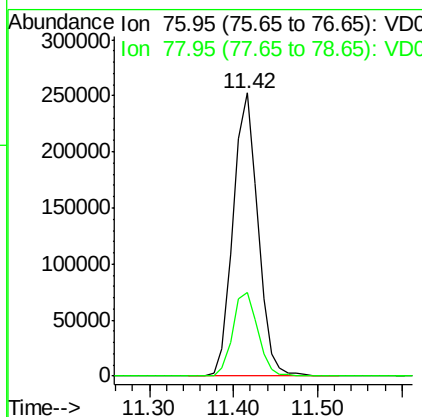
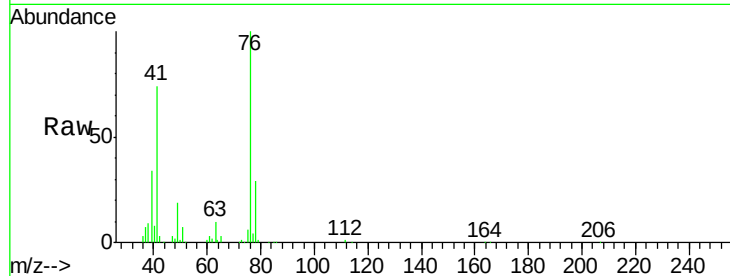




#57
 1,3-Dichloropropane
 Concen: 56.982 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

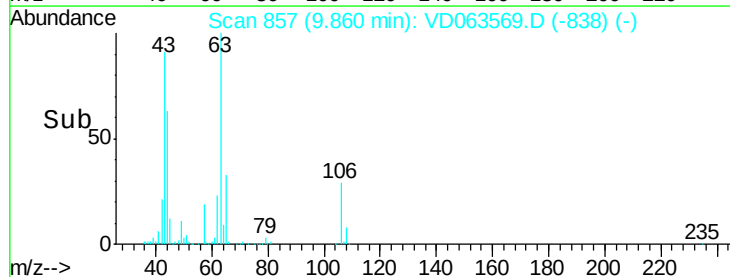
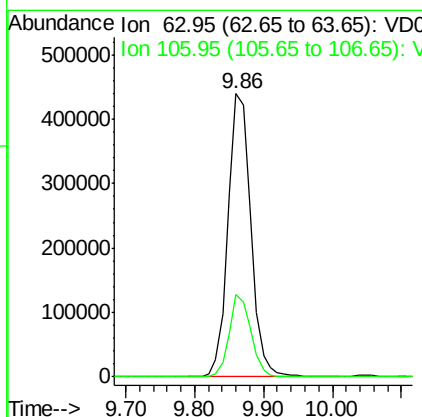
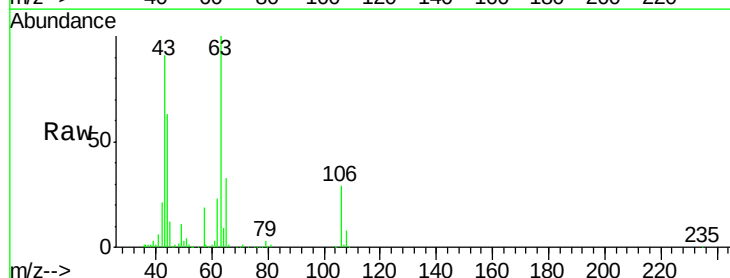
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

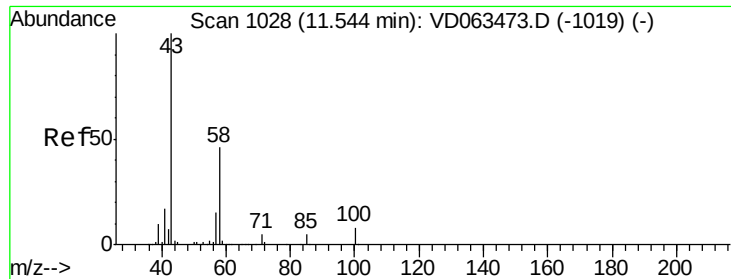
Tot Ion: 76 Resp: 518144
 Ion Ratio Lower Upper
 76 100
 78 29.4 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.561 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion: 63 Resp: 1011927
 Ion Ratio Lower Upper
 63 100
 106 29.1 20.8 31.2

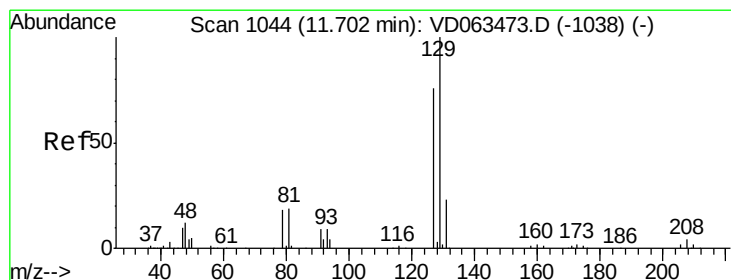
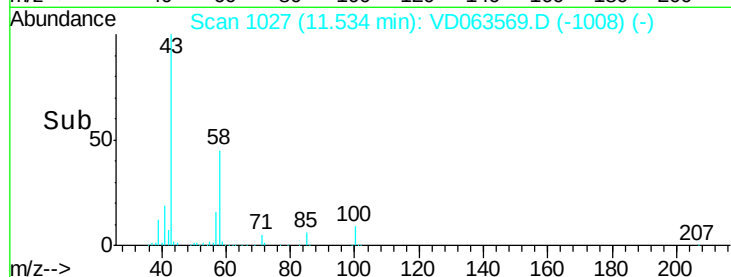
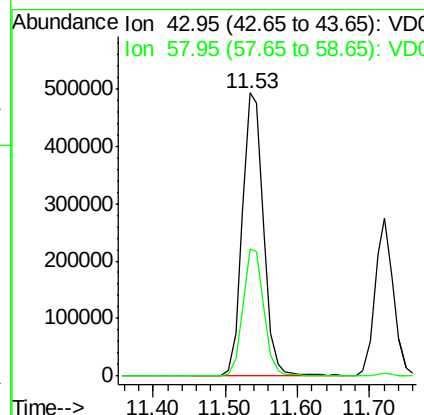
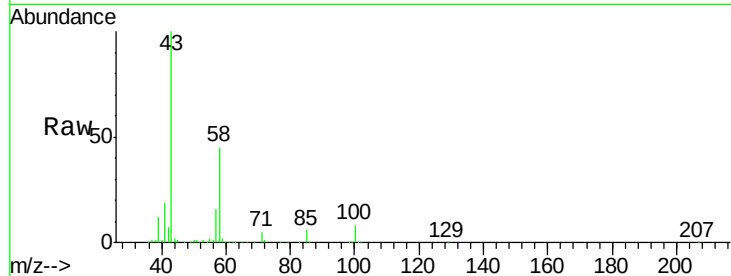




#59
2-Hexanone
Concen: 286.980 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

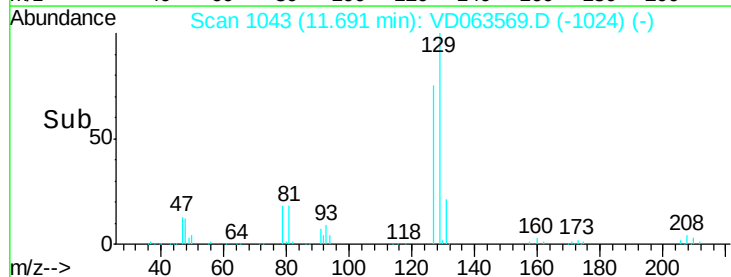
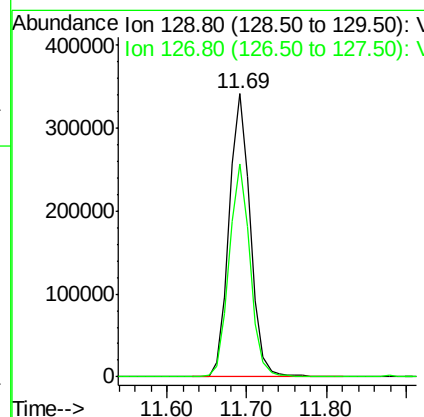
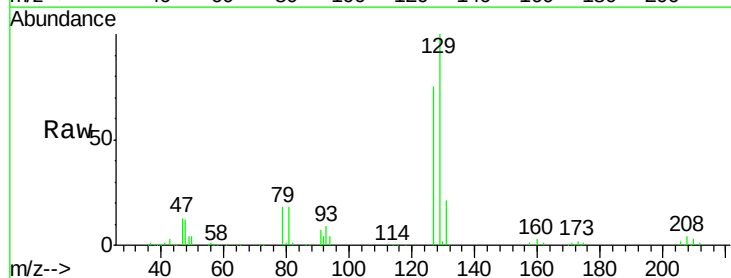
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

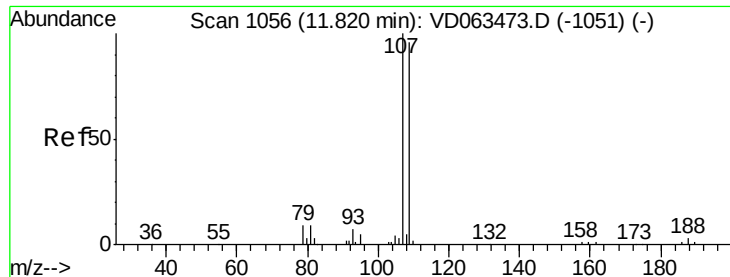
Tot Ion: 43 Resp: 1007510
Ion Ratio Lower Upper
43 100
58 44.8 23.1 69.2



#60
Dibromochloromethane
Concen: 58.610 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion: 129 Resp: 641570
Ion Ratio Lower Upper
129 100
127 75.0 37.8 113.4





#61

1,2-Dibromoethane

Concen: 58.218 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

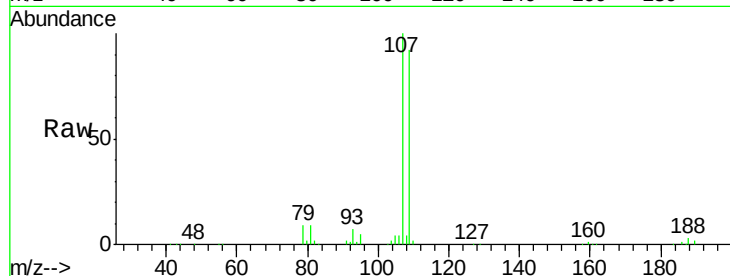
VSTDCCC050EC

Tot Ion:107 Resp: 423971

Ion Ratio Lower Upper

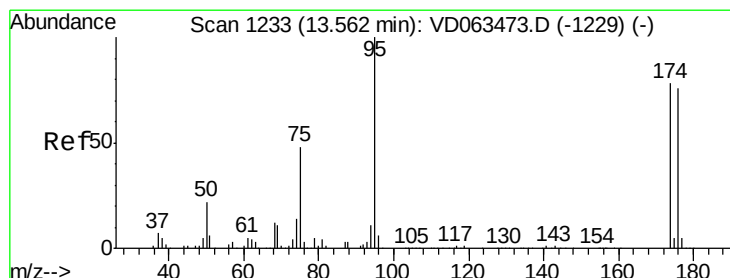
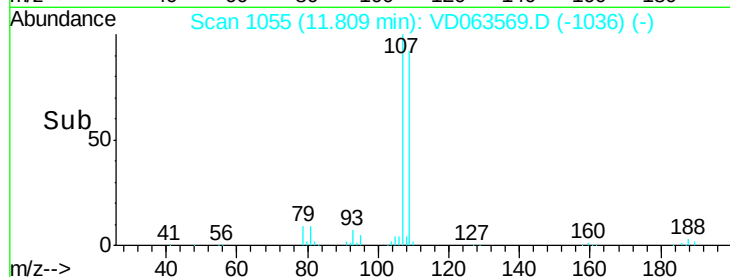
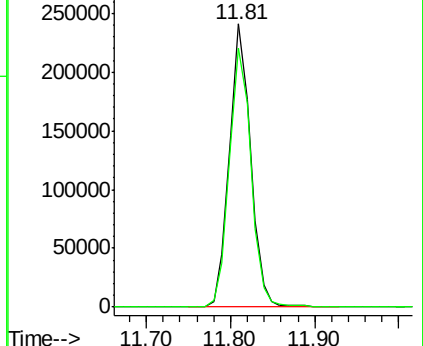
107 100

109 91.7 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.849 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

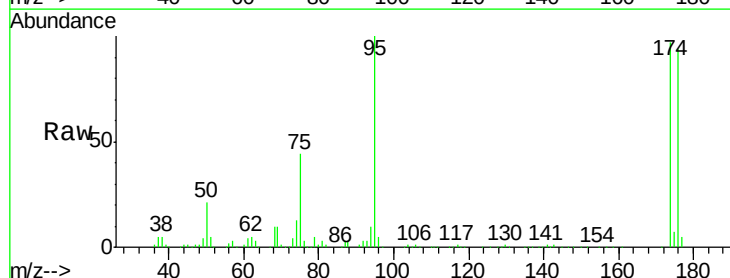
Tgt Ion: 95 Resp: 630354

Ion Ratio Lower Upper

95 100

174 96.5 0.0 155.4

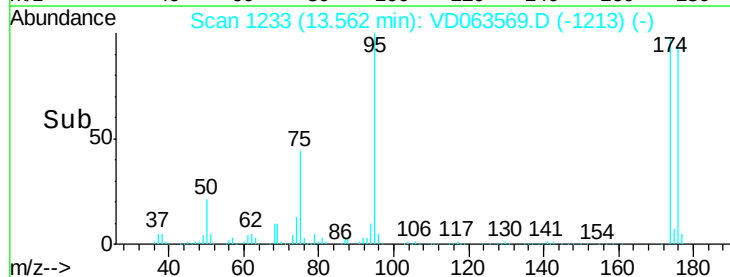
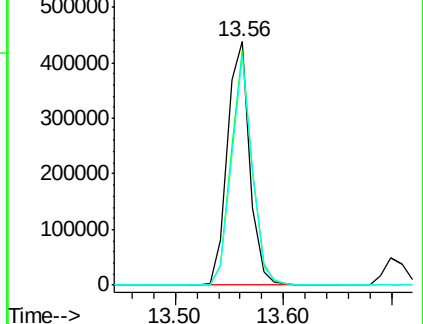
176 94.5 0.0 152.4

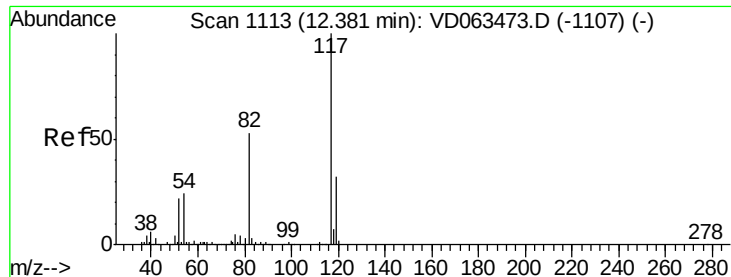


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

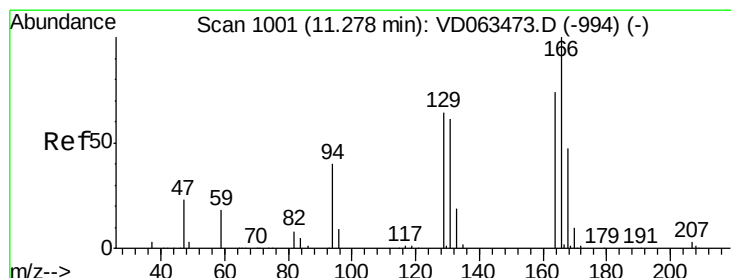
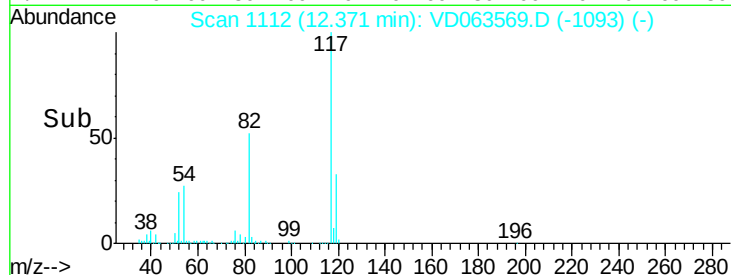
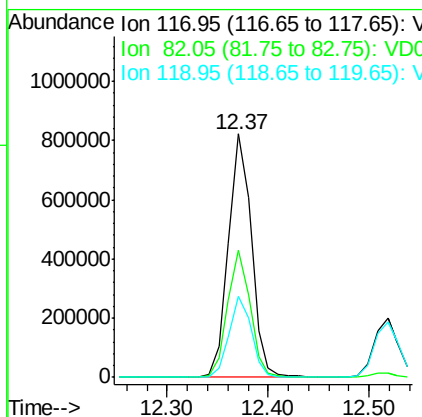
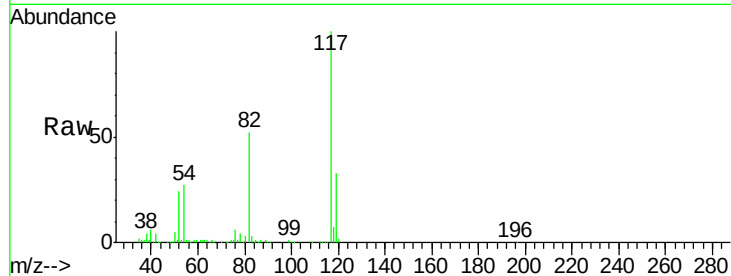




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

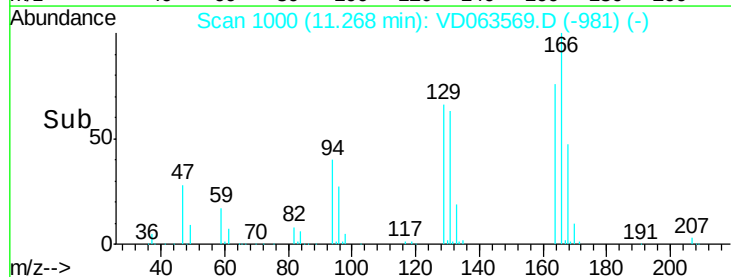
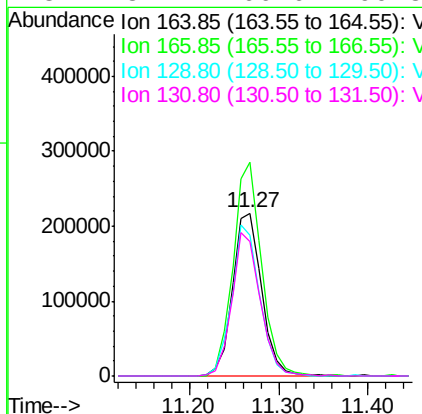
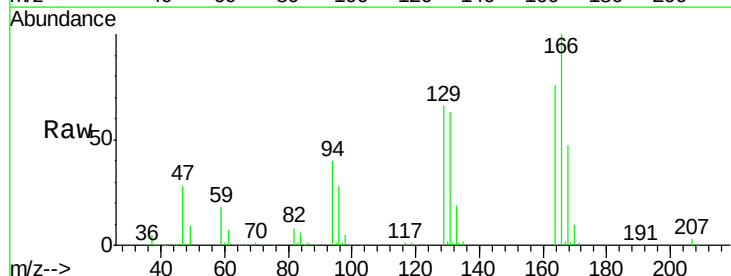
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

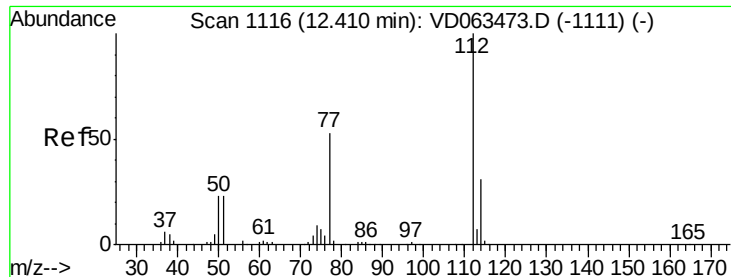
Tot Ion:117 Resp: 1306563
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 33.4 25.4 38.0



#64
Tetrachloroethene
Concen: 49.128 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion:164 Resp: 495520
Ion Ratio Lower Upper
164 100
166 131.0 108.6 163.0
129 86.5 69.0 103.6
131 82.2 66.6 99.8

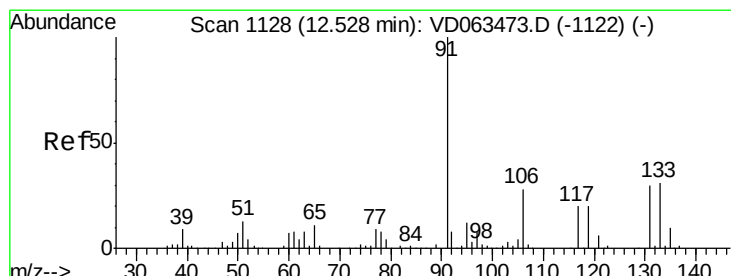
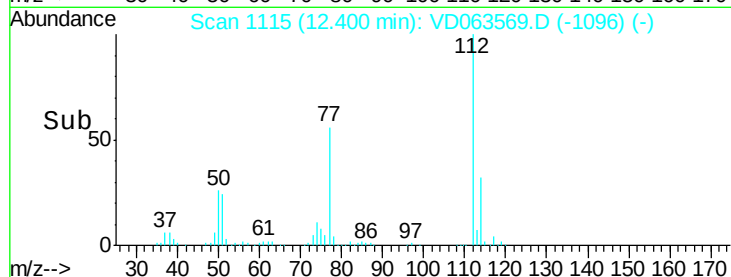
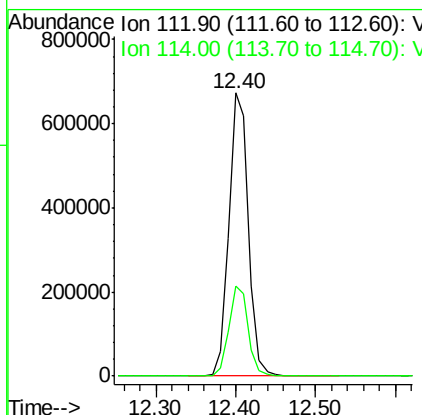
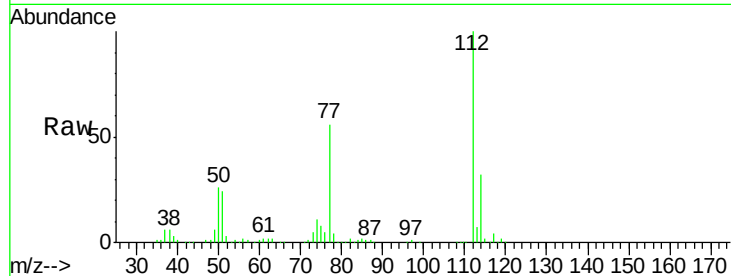




#65
Chlorobenzene
Concen: 47.237 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

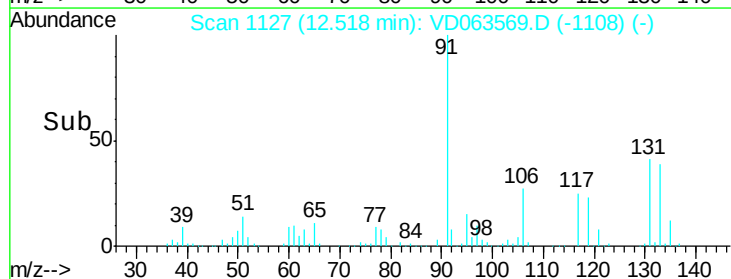
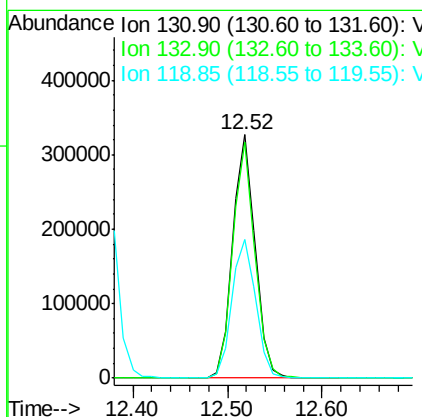
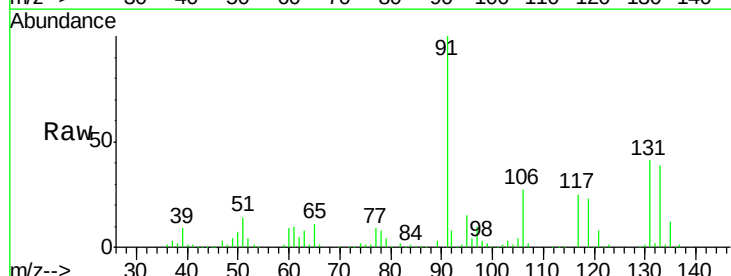
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

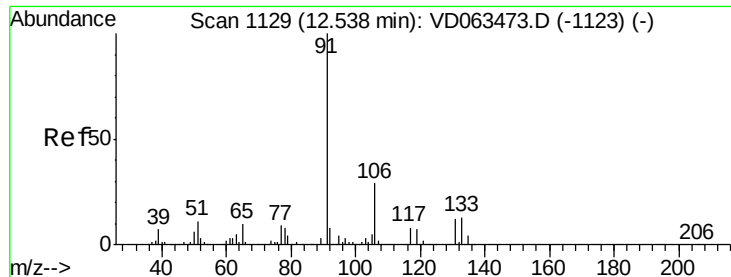
Tot Ion:112 Resp: 1156735
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.916 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion:131 Resp: 537946
Ion Ratio Lower Upper
131 100
133 96.7 51.1 153.3
119 57.0 33.1 99.3

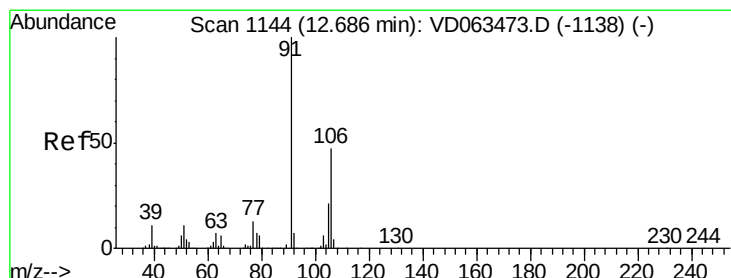
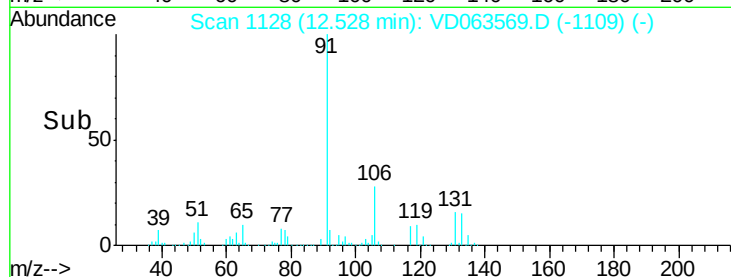
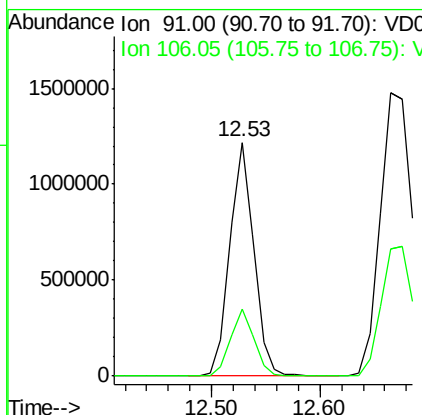
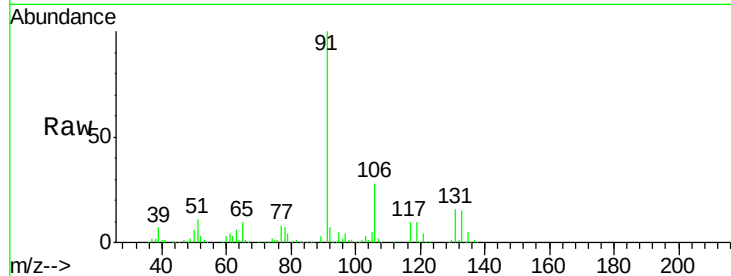




#67
Ethyl Benzene
Concen: 44.365 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

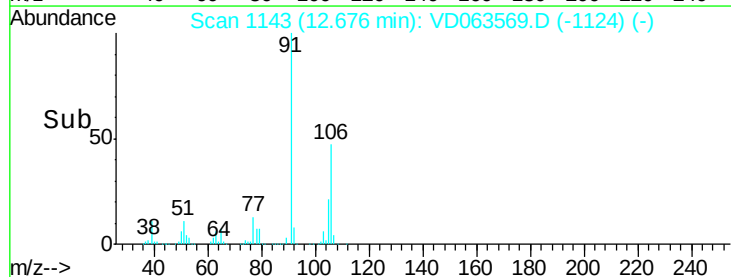
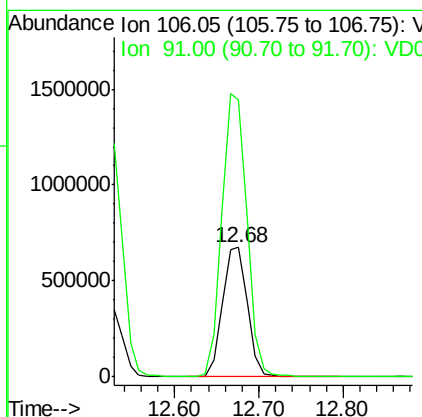
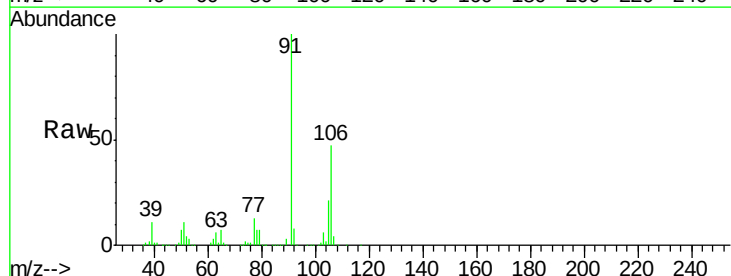
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

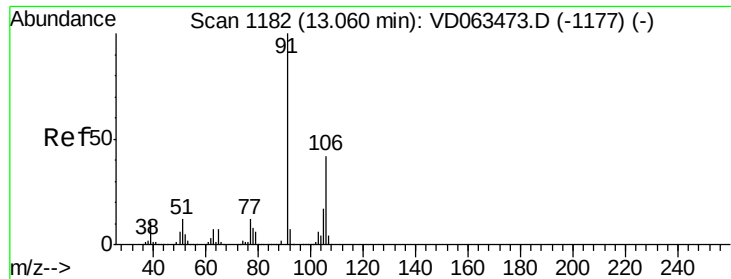
Tot Ion: 91 Resp: 1888993
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7



#68
m/p-Xylenes
Concen: 91.758 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion: 106 Resp: 1372639
Ion Ratio Lower Upper
106 100
91 214.0 171.8 257.8

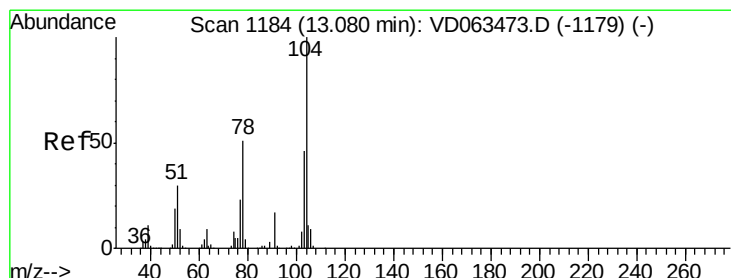
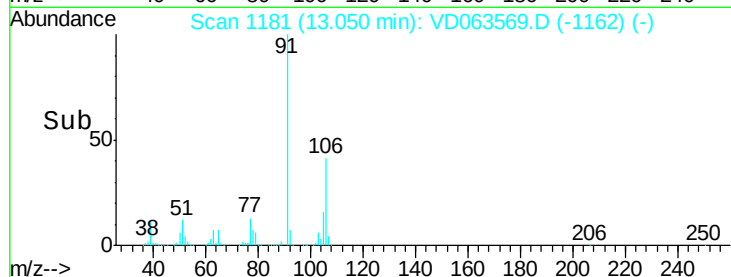
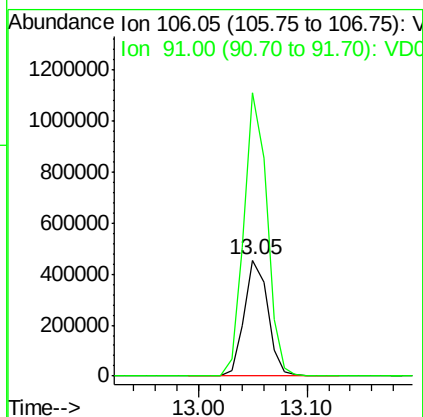
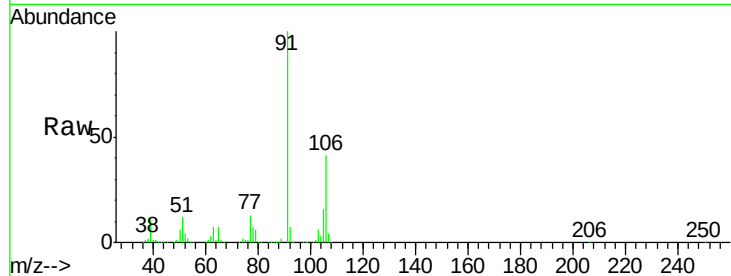




#69
o-Xylene
Concen: 48.303 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

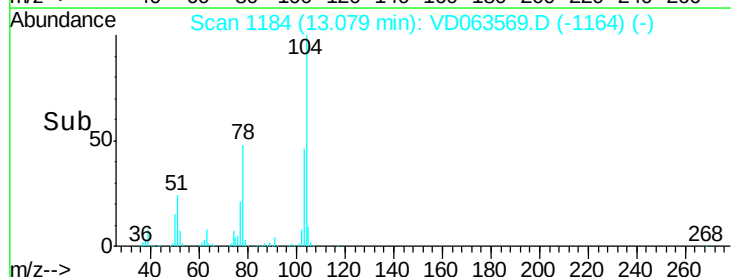
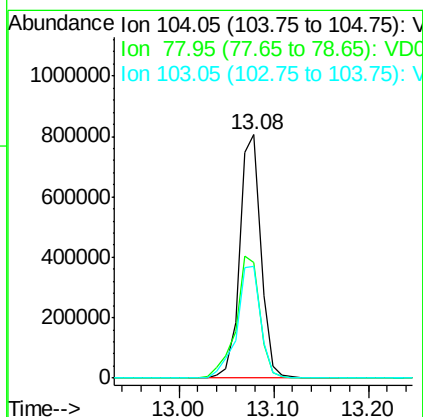
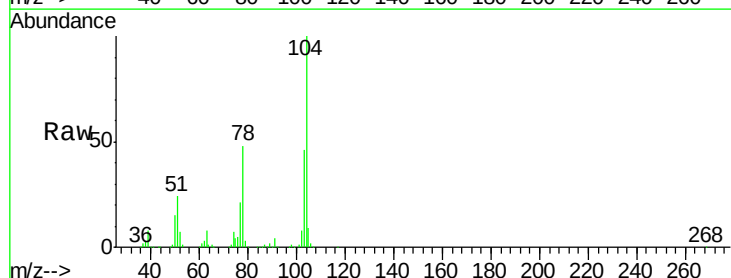
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

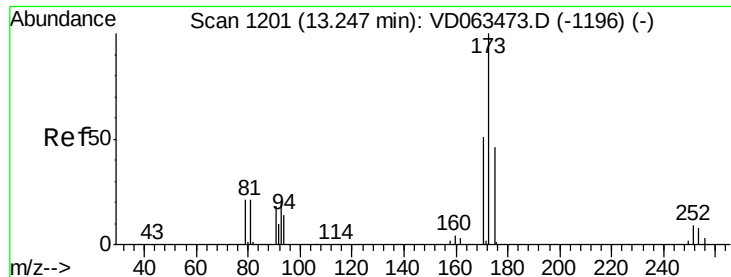
Tot Ion:106 Resp: 695448
Ion Ratio Lower Upper
106 100
91 243.5 118.1 354.2



#70
Styrene
Concen: 48.654 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion:104 Resp: 1246057
Ion Ratio Lower Upper
104 100
78 47.6 40.8 61.2
103 46.1 36.4 54.6

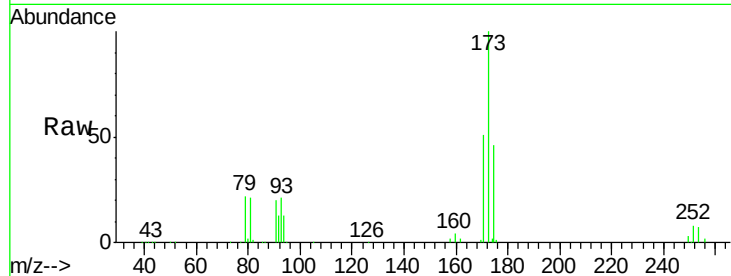




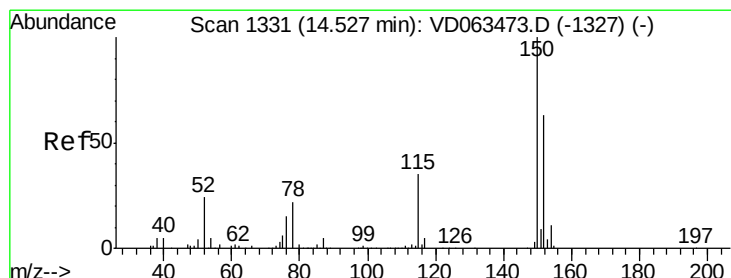
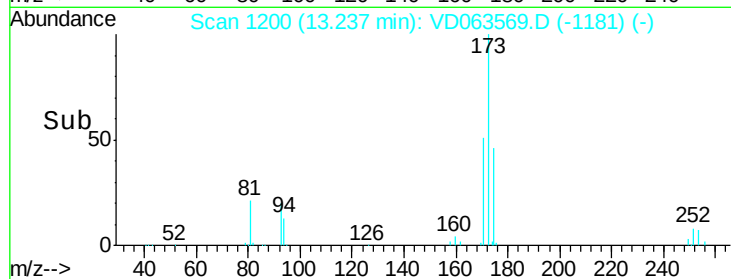
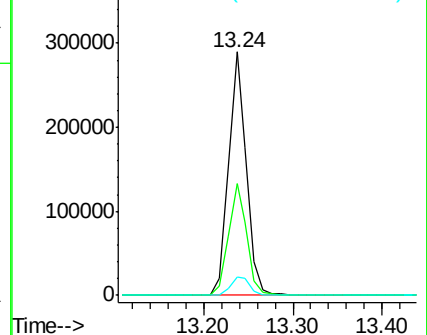
#71
Bromoform
Concen: 55.222 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 408082
Ion Ratio Lower Upper
173 100
175 45.7 22.8 68.3
254 7.4 6.6 9.8

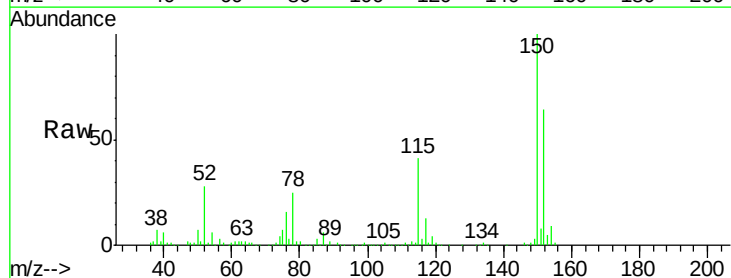


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

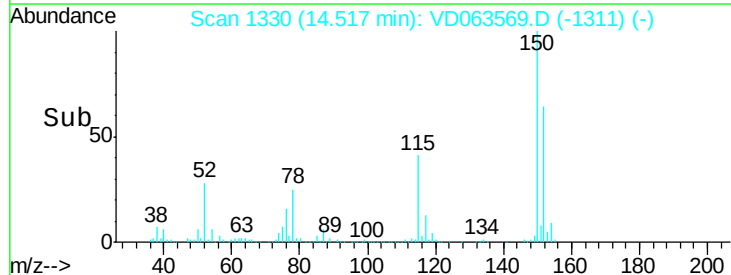
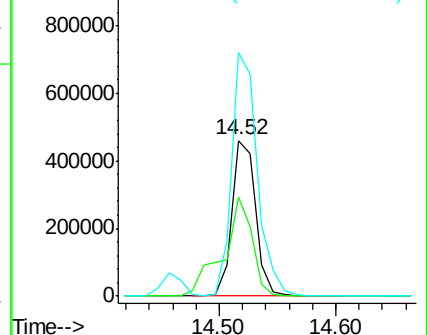


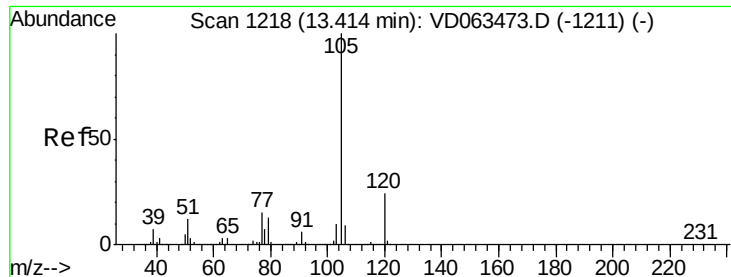
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion:152 Resp: 642344
Ion Ratio Lower Upper
152 100
115 63.8 30.9 92.7
150 156.8 0.0 318.6



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





#73

Isopropylbenzene

Concen: 48.005 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

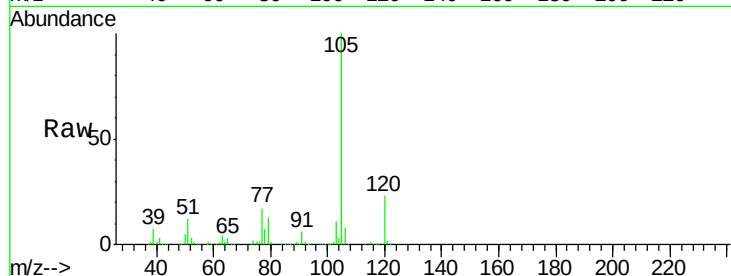
VSTDCCC050EC

Tot Ion:105 Resp: 1961319

Ion Ratio Lower Upper

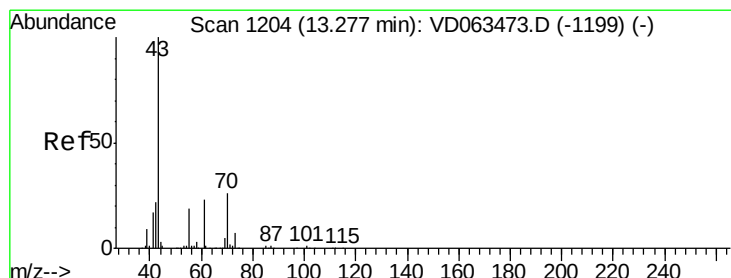
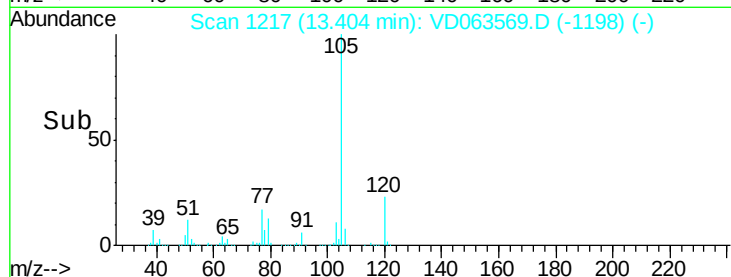
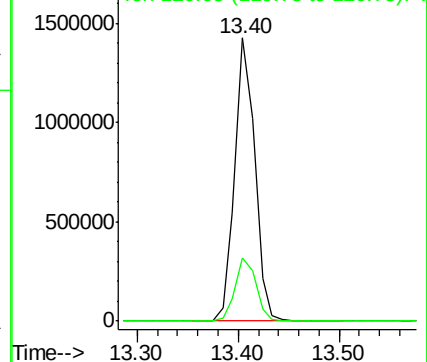
105 100

120 22.5 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: 55.875 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Tgt Ion: 43 Resp: 573074

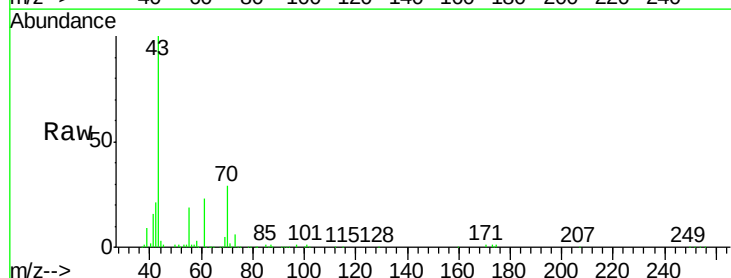
Ion Ratio Lower Upper

43 100

70 29.1 21.1 31.7

55 18.7 15.4 23.0

61 22.8 18.2 27.2

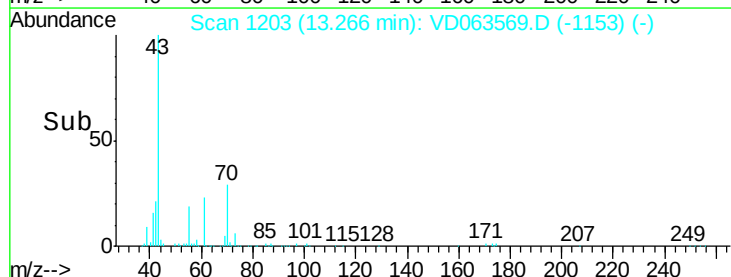
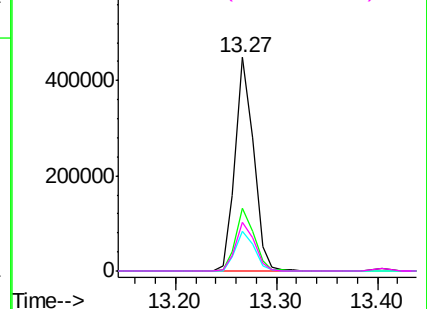


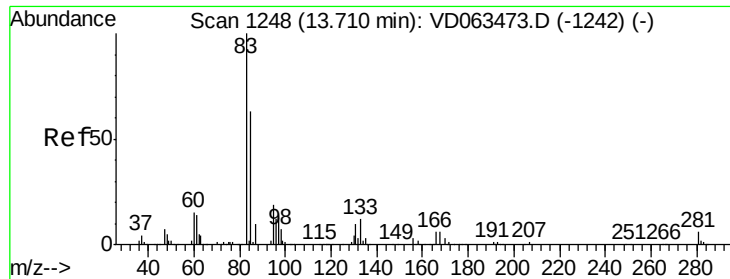
Abundance Ion 42.95 (42.65 to 43.65): V

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: 53.244 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

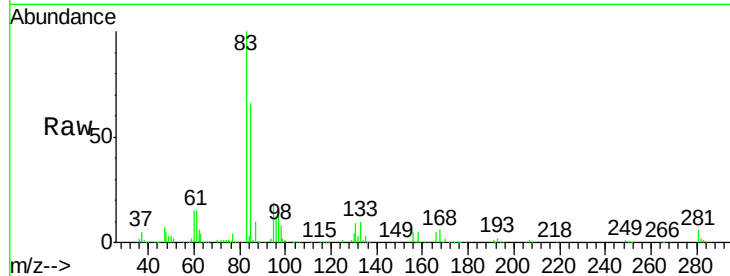
Tot Ion: 83 Resp: 361069

Ion Ratio Lower Upper

83 100

131 9.2 5.3 15.8

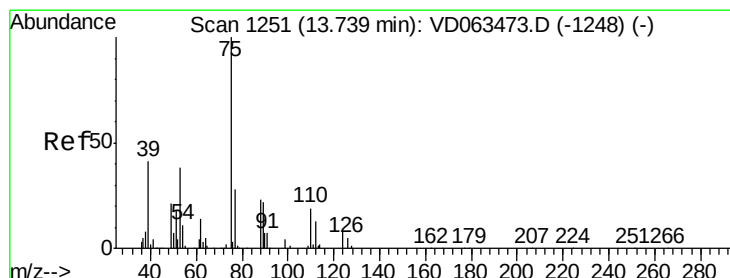
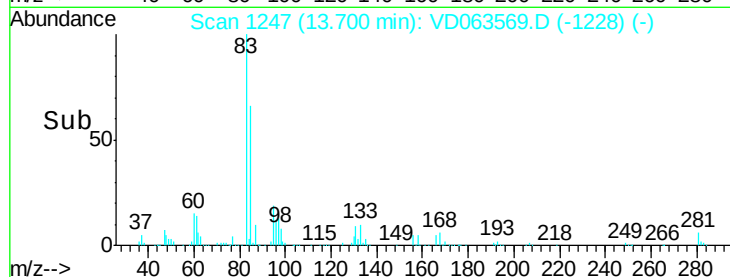
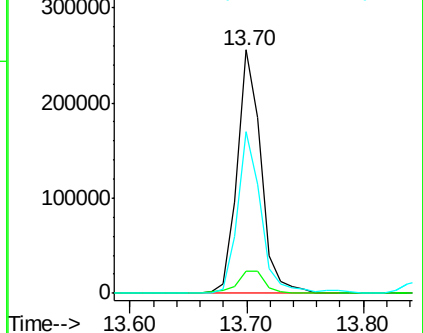
85 66.5 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.857 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD063569.D

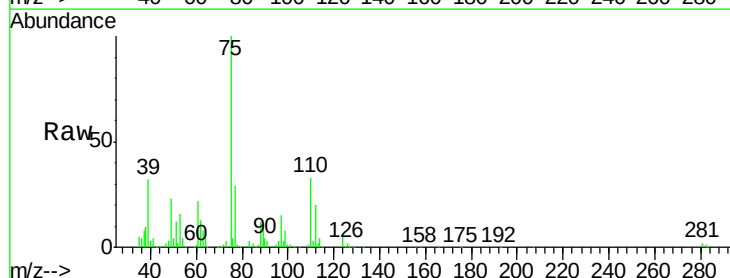
Acq: 14 Aug 2019 12:05

Tgt Ion: 75 Resp: 382290

Ion Ratio Lower Upper

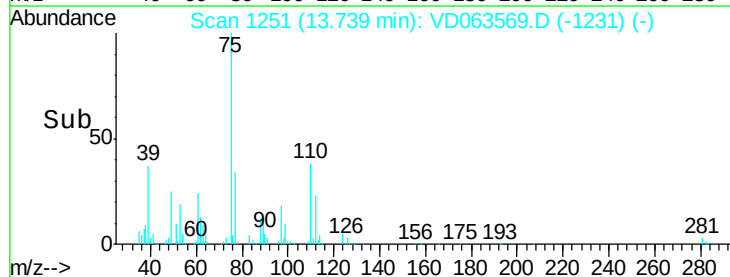
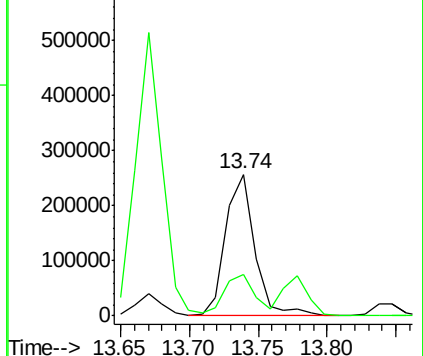
75 100

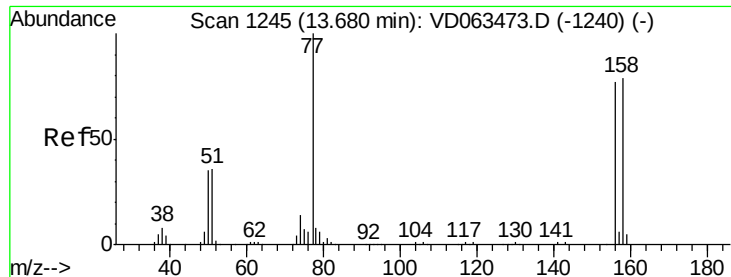
77 29.3 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.418 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

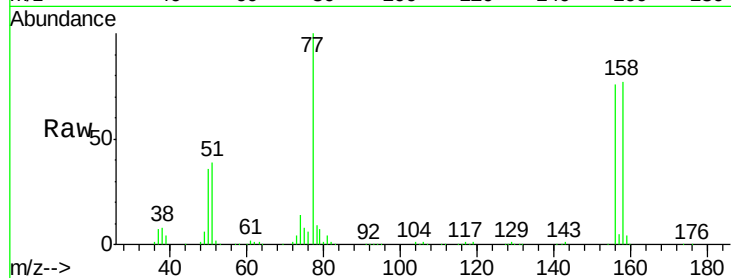
VSTDCCC050EC

Tot Ion:156 Resp: 551817

Ion	Ratio	Lower	Upper
156	100		
77	131.2	64.6	193.8
158	101.5	50.9	152.7

77 131.2 64.6 193.8

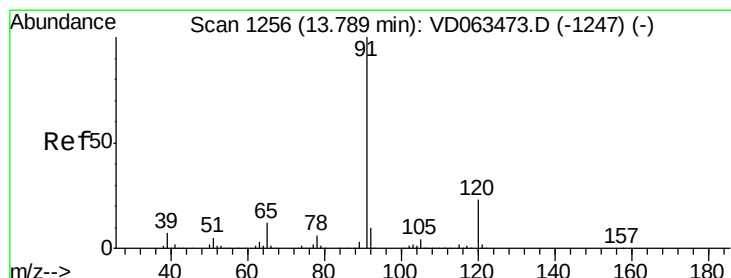
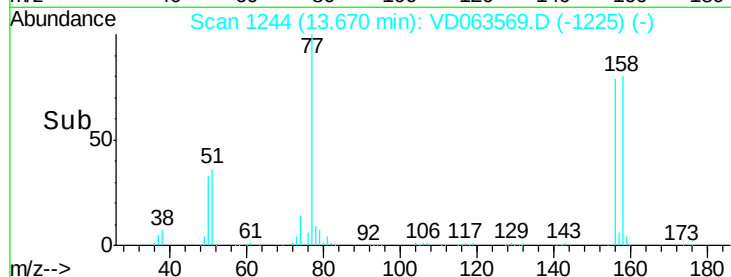
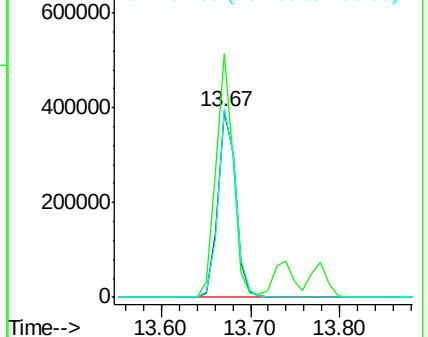
158 101.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.569 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063569.D

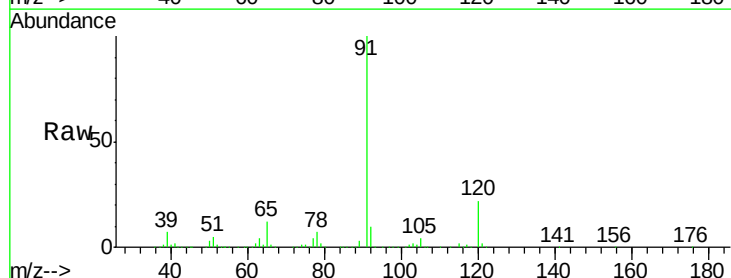
Acq: 14 Aug 2019 12:05

Tgt Ion: 91 Resp: 2273998

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.9

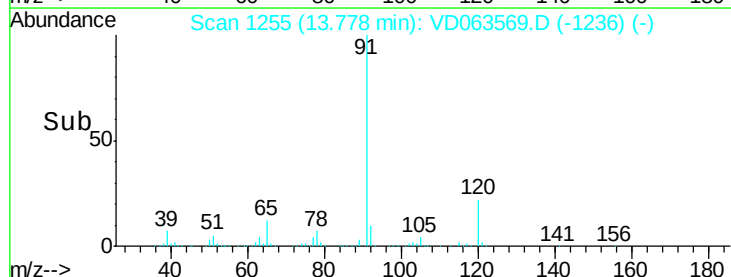
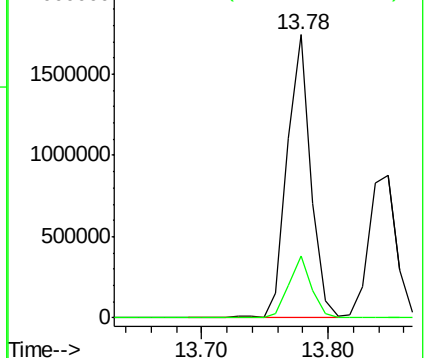
91 100

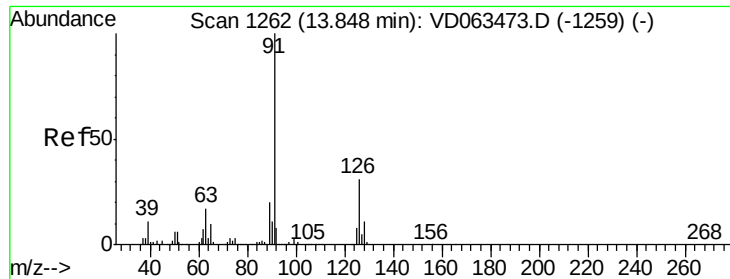
120 21.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

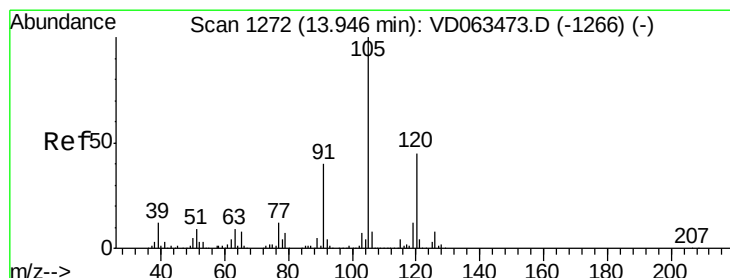
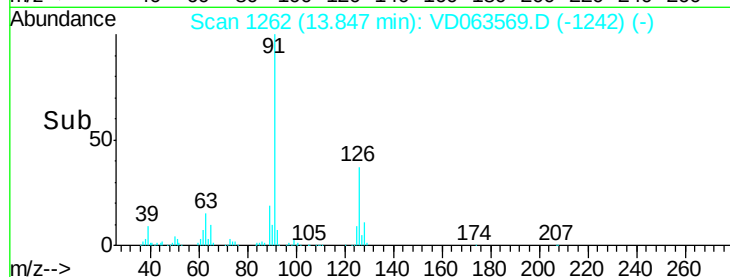
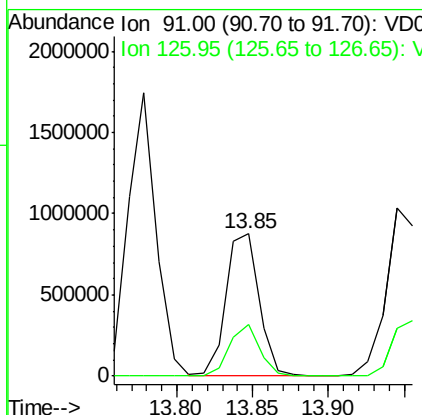
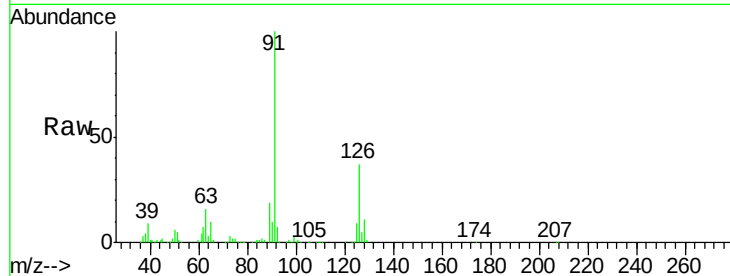




#79
 2-Chlorotoluene
 Concen: 48.300 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

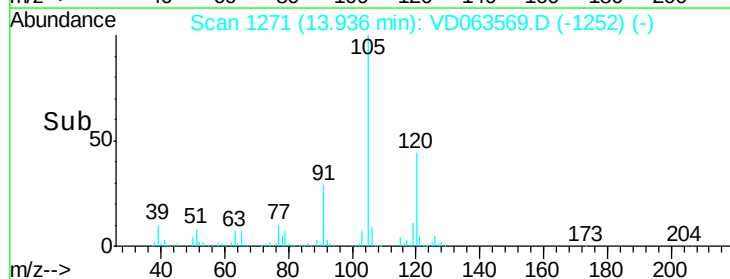
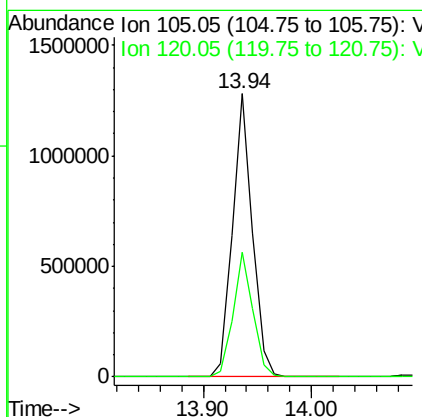
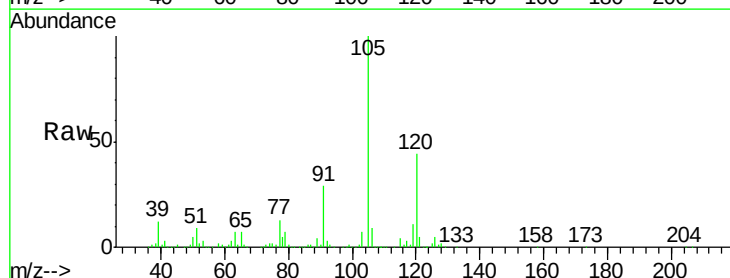
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

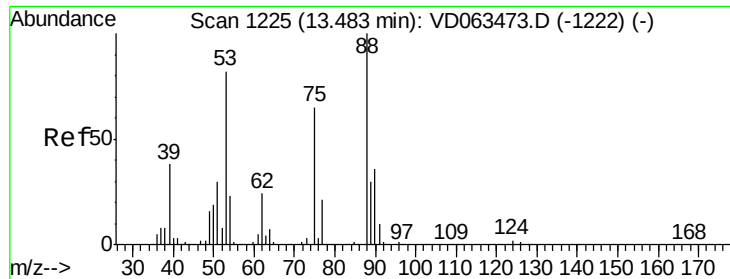
Tot Ion: 91 Resp: 1331276
 Ion Ratio Lower Upper
 91 100
 126 36.6 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 45.871 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion: 105 Resp: 1637505
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.094 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

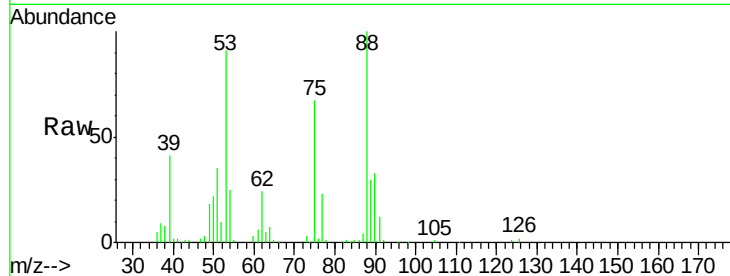
Tot Ion: 75 Resp: 95294

Ion Ratio Lower Upper

75 100

53 134.7 101.0 151.4

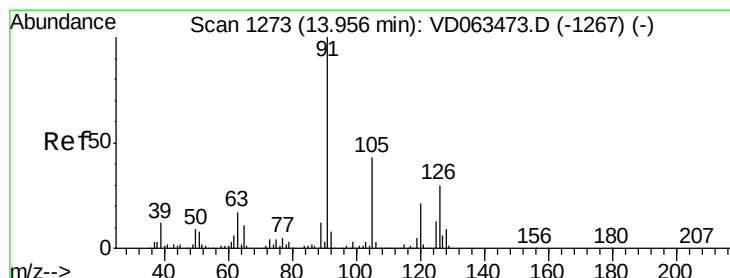
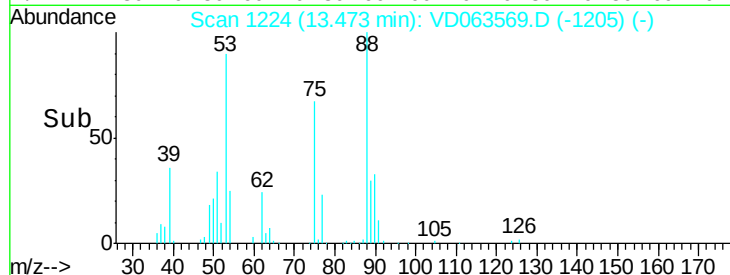
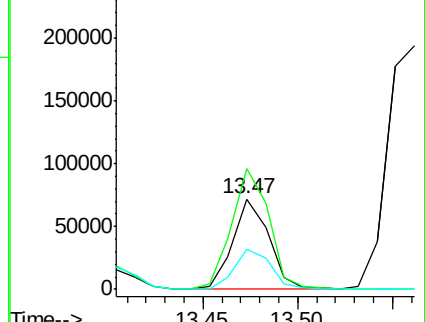
89 44.7 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 47.417 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063569.D

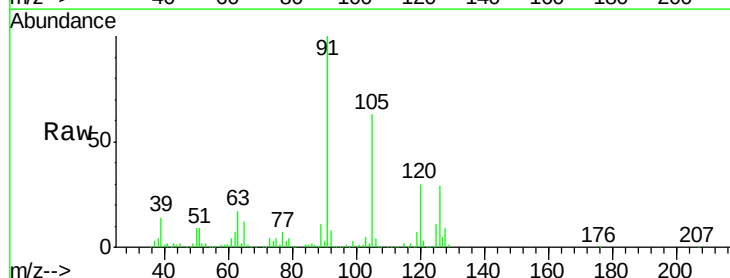
Acq: 14 Aug 2019 12:05

Tgt Ion: 91 Resp: 1571579

Ion Ratio Lower Upper

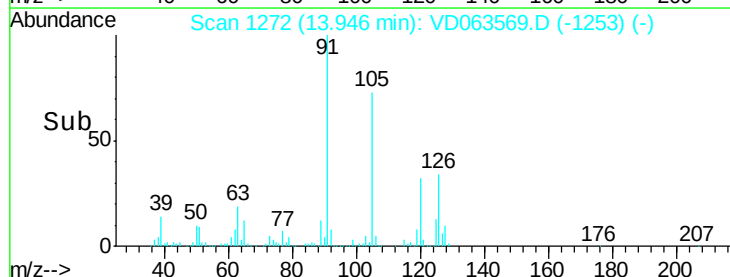
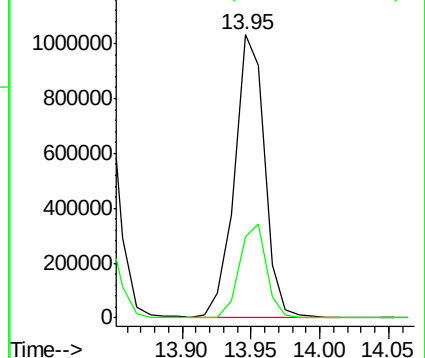
91 100

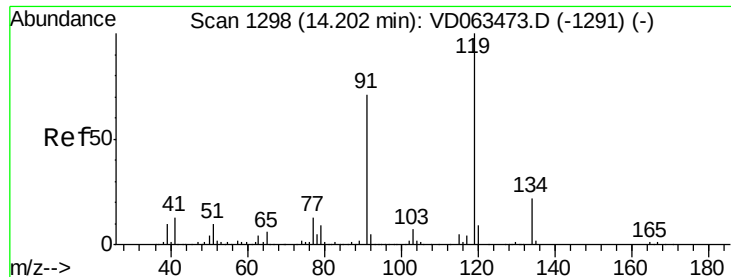
126 28.6 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

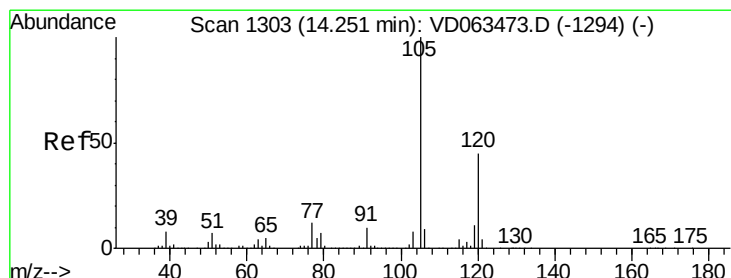
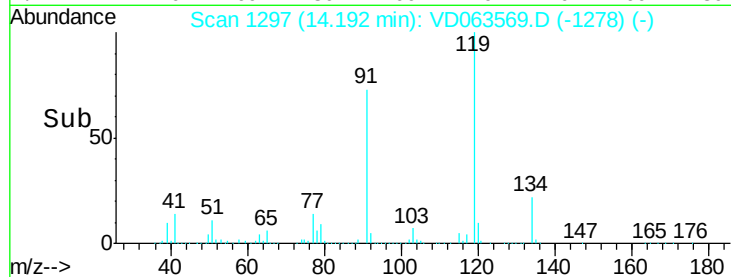
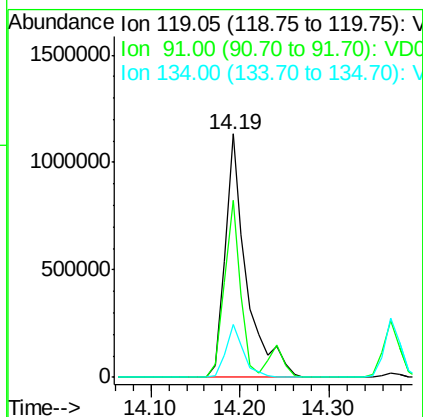
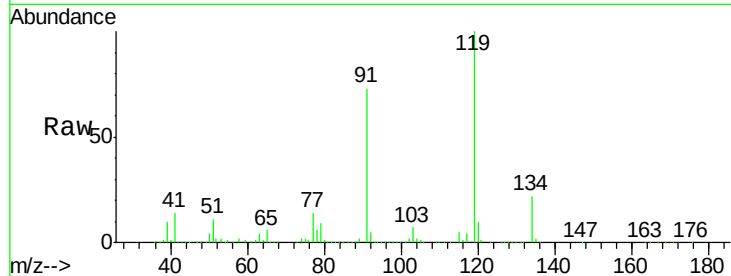




#83
 tert-Butylbenzene
 Concen: 51.097 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

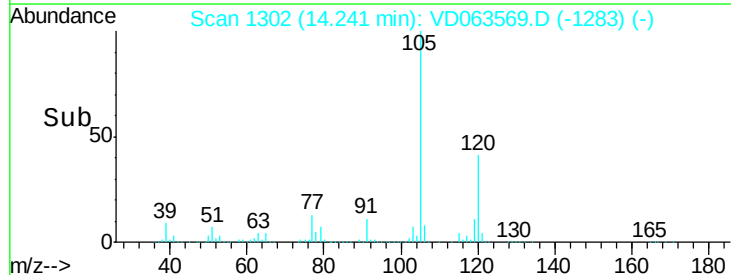
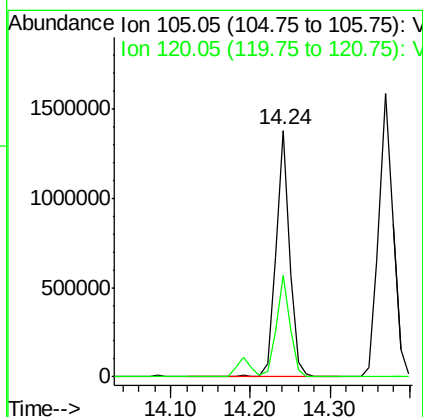
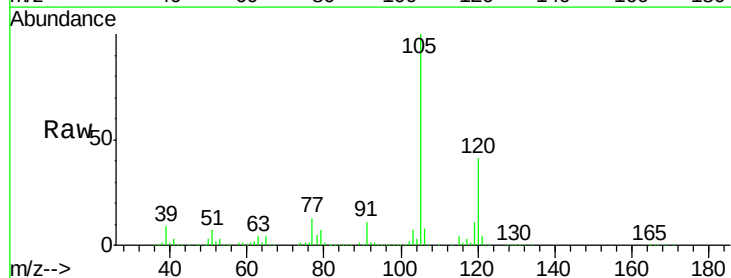
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

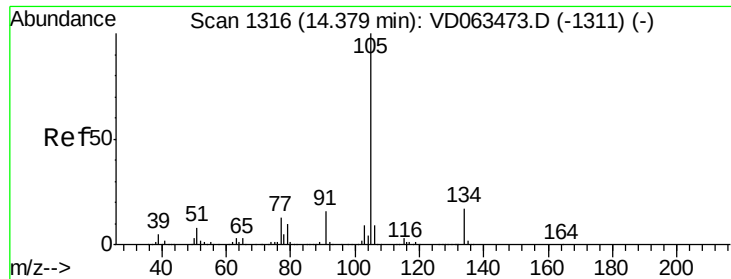
Tot Ion:119 Resp: 1920816
 Ion Ratio Lower Upper
 119 100
 91 73.0 35.5 106.7
 134 21.7 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.483 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion:105 Resp: 1667470
 Ion Ratio Lower Upper
 105 100
 120 41.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 49.416 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

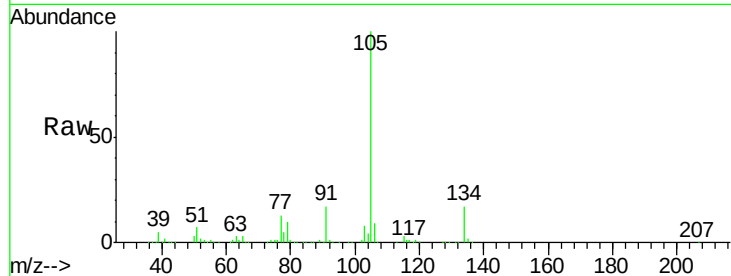
VSTDCCC050EC

Tot Ion:105 Resp: 1972735

Ion Ratio Lower Upper

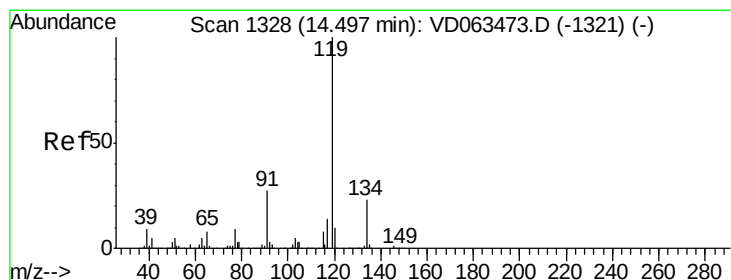
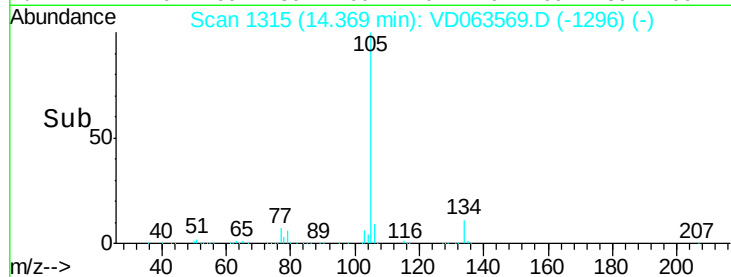
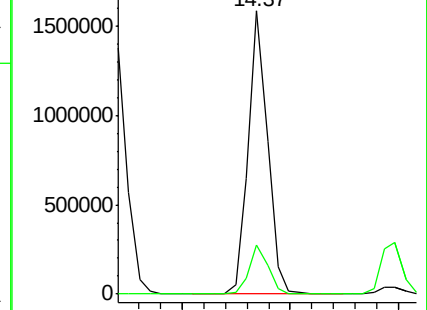
105 100

134 17.4 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: 45.300 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

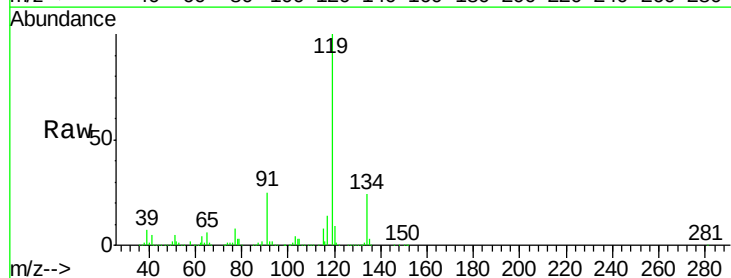
Tgt Ion:119 Resp: 1729136

Ion Ratio Lower Upper

119 100

134 23.8 11.3 33.8

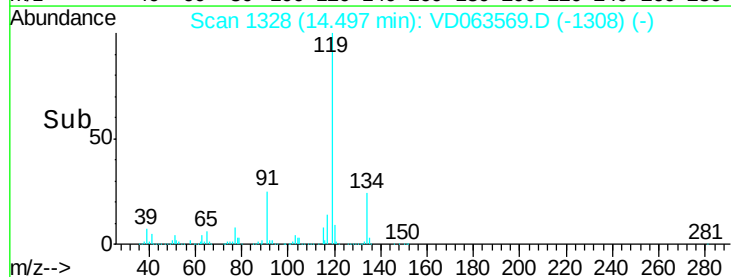
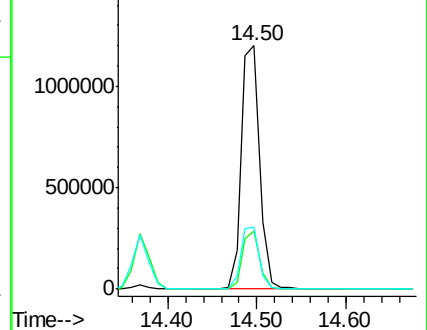
91 25.5 13.5 40.4

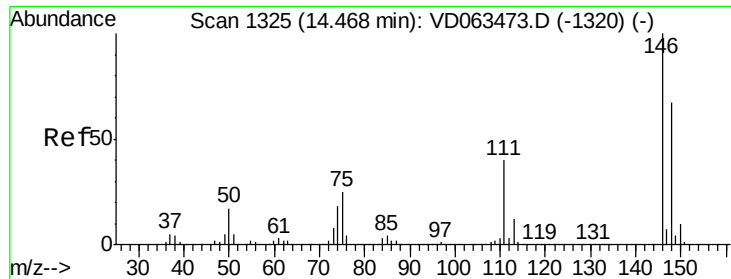


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

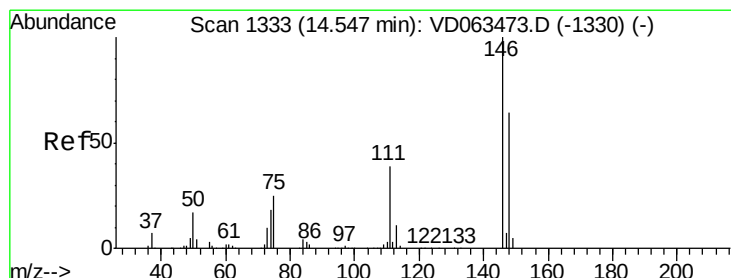
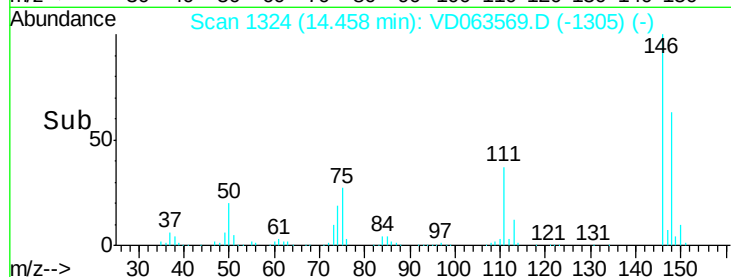
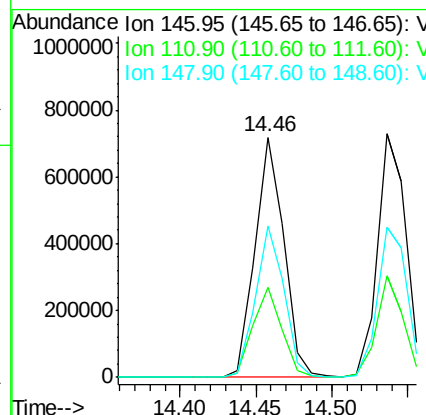
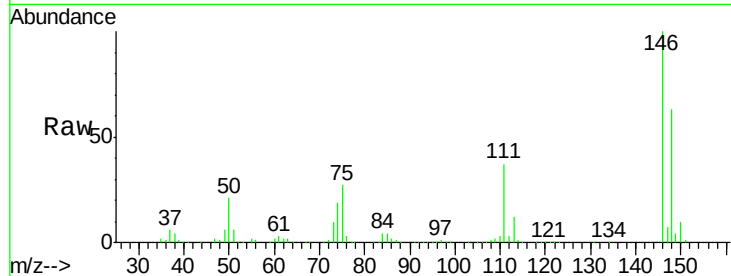




#87
 1,3-Dichlorobenzene
 Concen: 47.401 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

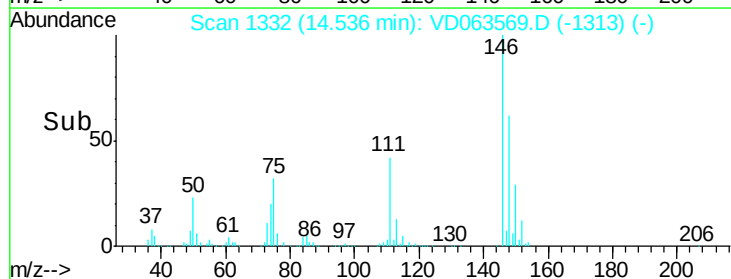
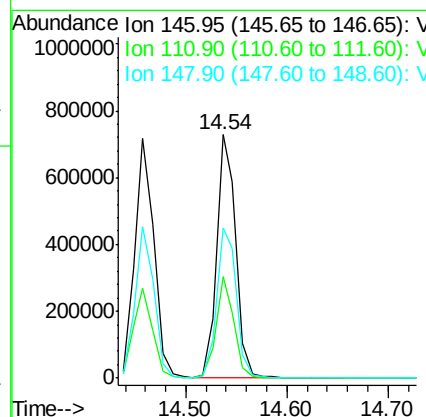
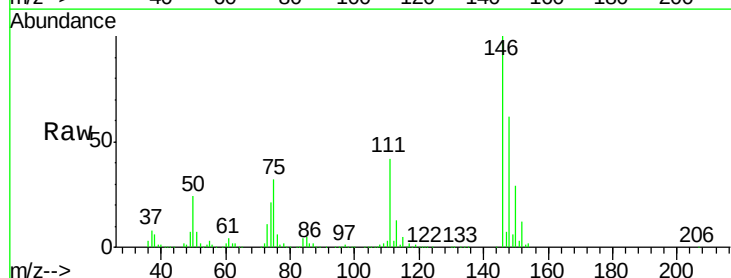
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

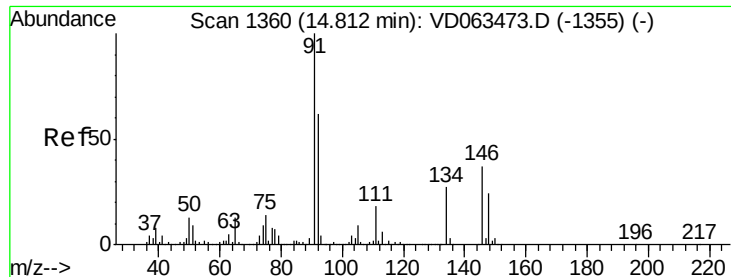
Tot Ion:146 Resp: 957391
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.0 60.0
 148 63.0 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 49.829 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion:146 Resp: 965580
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.7 59.0
 148 61.9 32.1 96.3





#89

n-Butylbenzene

Concen: 45.565 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063569.D

Acq: 14 Aug 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

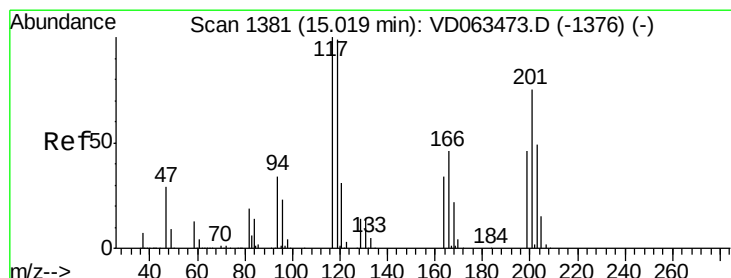
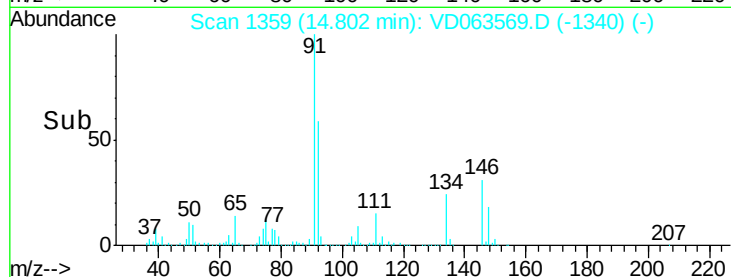
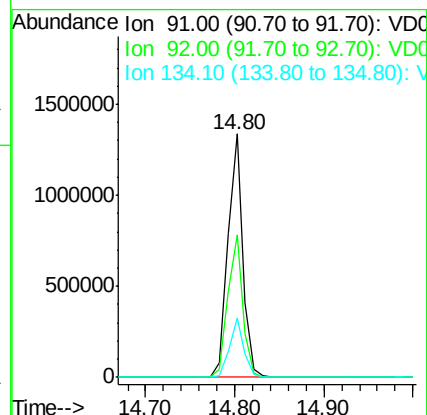
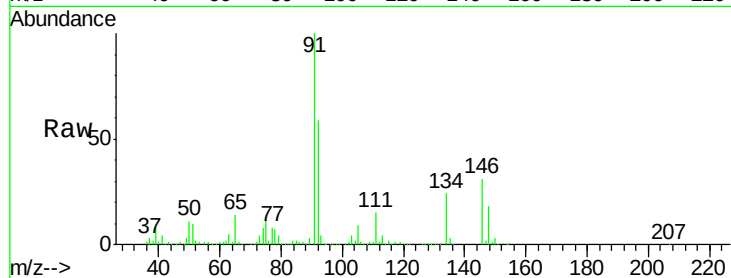
Tot Ion: 91 Resp: 1587366

Ion Ratio Lower Upper

91 100

92 58.7 30.8 92.3

134 24.1 13.4 40.2



#90

Hexachloroethane

Concen: 51.738 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063569.D

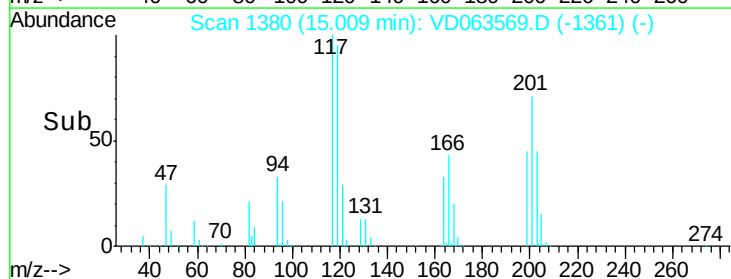
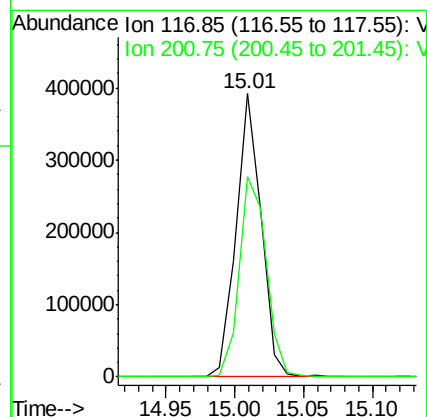
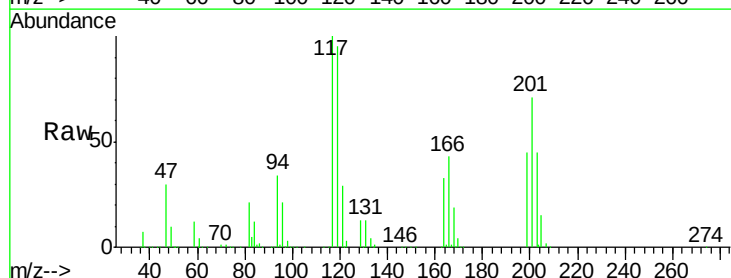
Acq: 14 Aug 2019 12:05

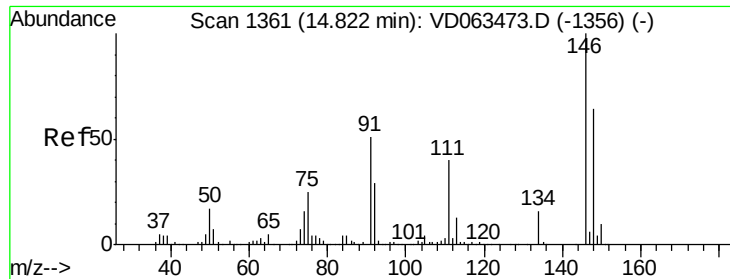
Tgt Ion: 117 Resp: 496380

Ion Ratio Lower Upper

117 100

201 70.6 37.5 112.5

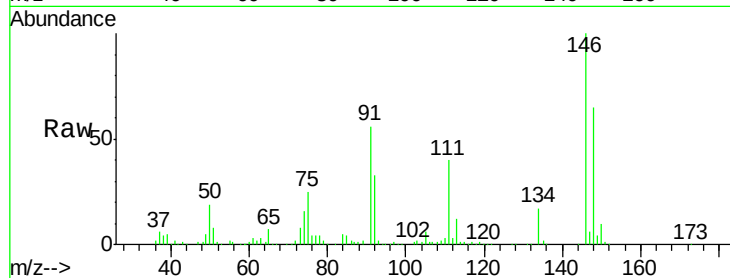




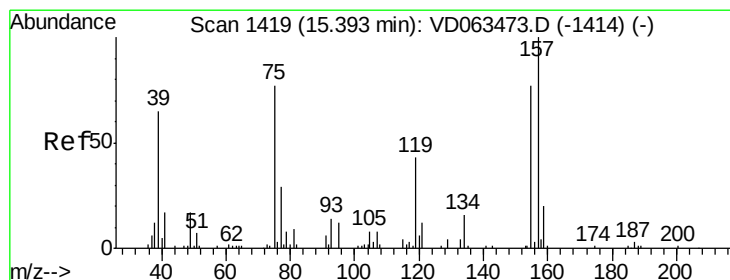
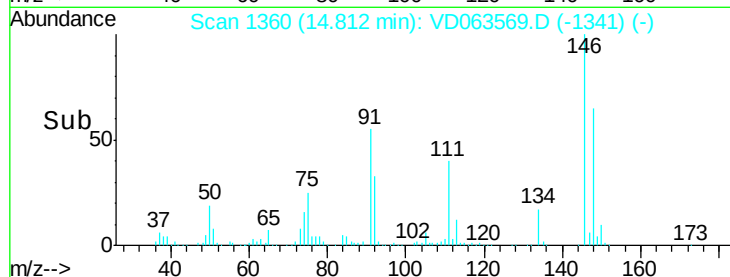
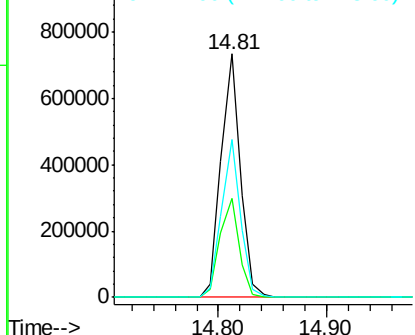
#91
 1,2-Dichlorobenzene
 Concen: 53.392 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 914932
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.2 60.6
 148 65.0 32.1 96.5

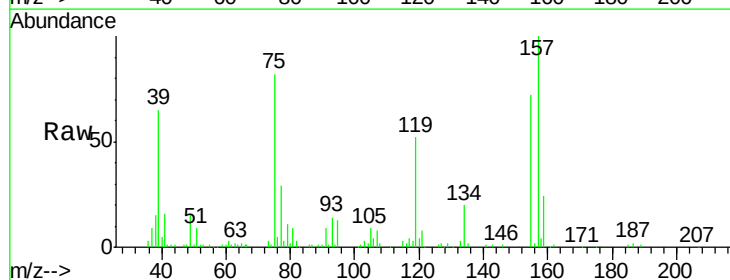


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

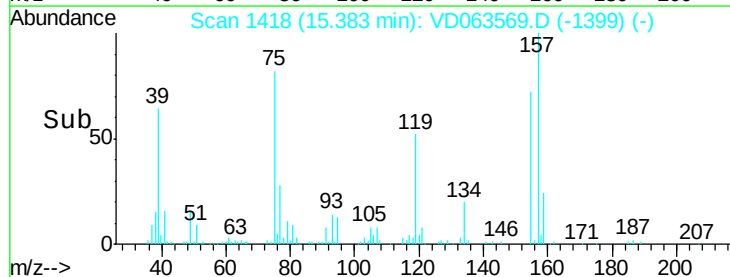
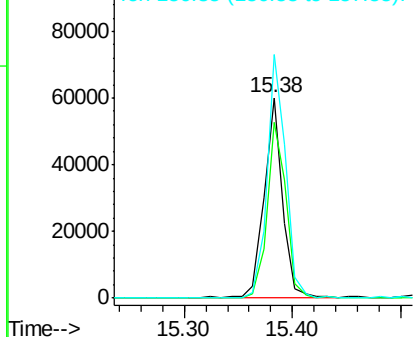


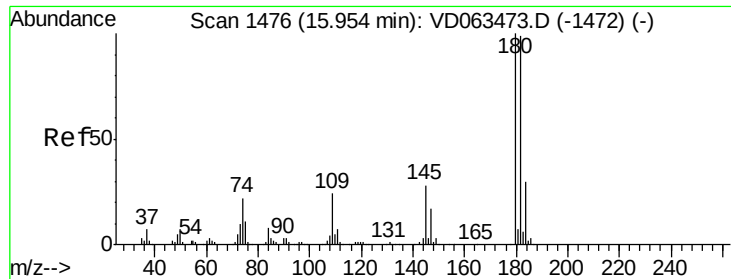
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.607 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion: 75 Resp: 72282
 Ion Ratio Lower Upper
 75 100
 155 87.6 50.1 150.3
 157 121.3 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

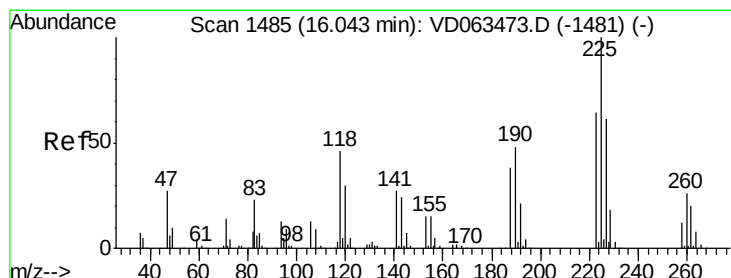
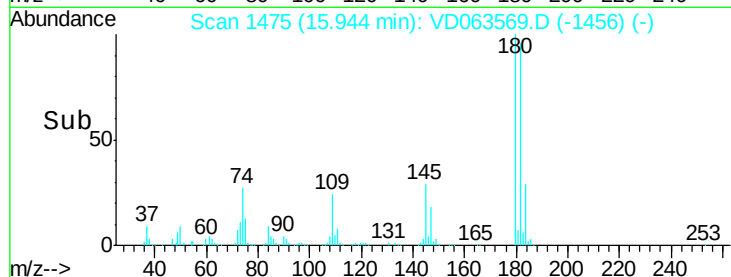
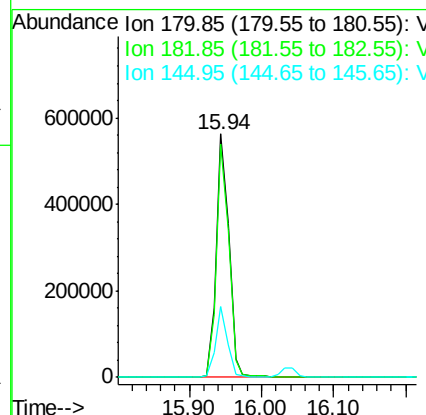
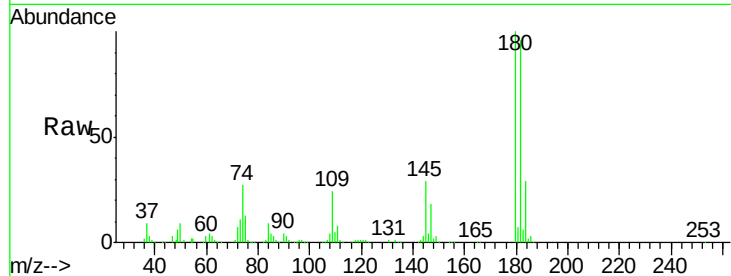




#93
 1,2,4-Trichlorobenzene
 Concen: 53.977 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

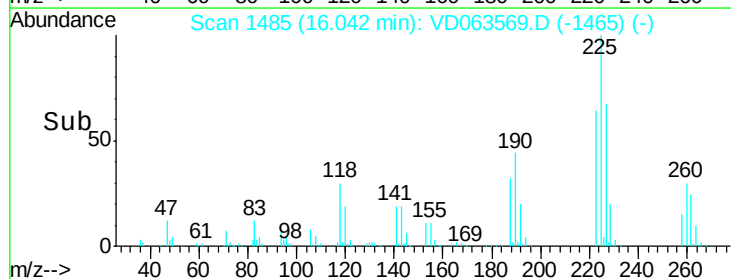
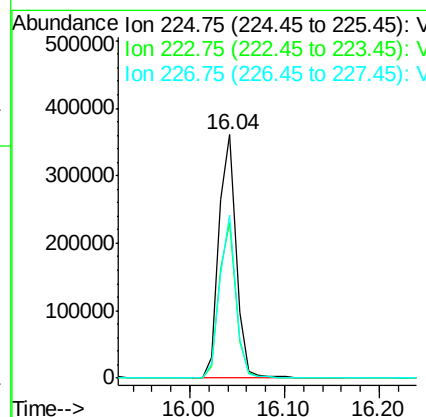
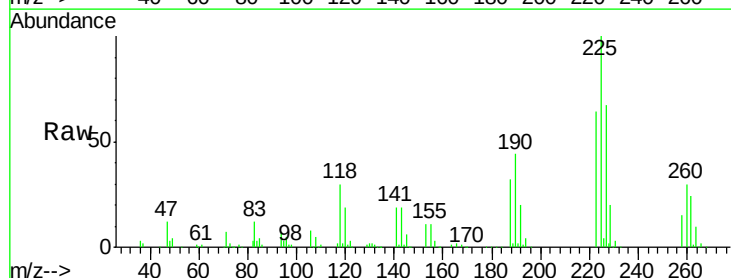
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

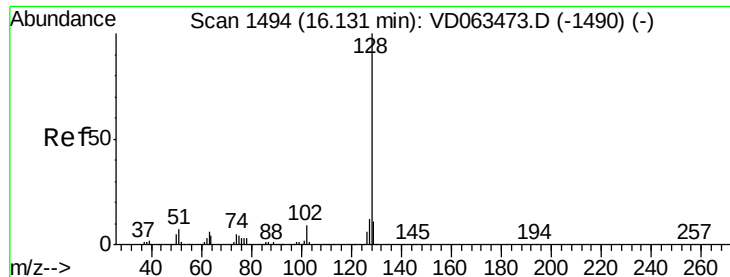
Tot Ion:180 Resp: 680607
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.7 149.1
 145 29.1 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 47.979 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD063569.D
 Acq: 14 Aug 2019 12:05

Tgt Ion:225 Resp: 461081
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.9 95.5
 227 67.2 30.7 92.1

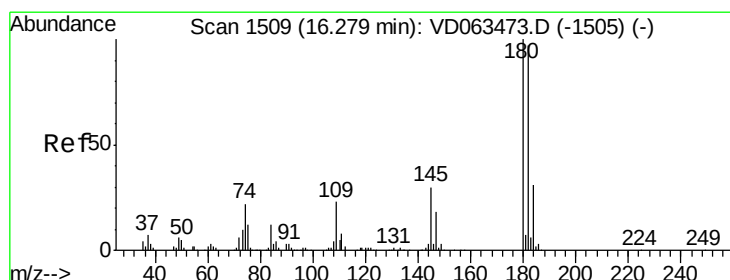
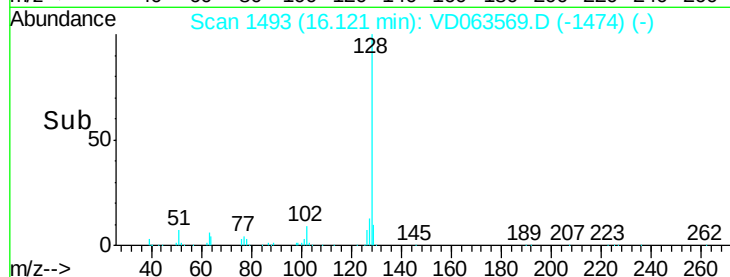
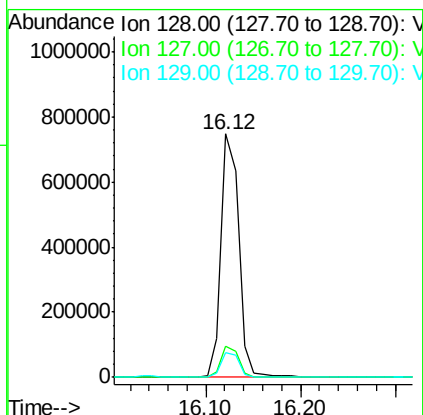
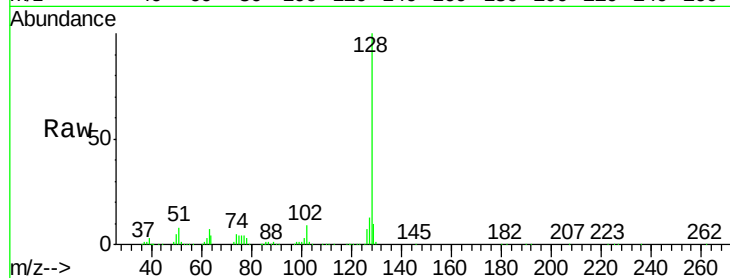




#95
Naphthalene
Concen: 50.857 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 971854
Ion Ratio Lower Upper
128 100
127 12.8 9.4 14.0
129 10.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 55.178 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063569.D
Acq: 14 Aug 2019 12:05

Tgt Ion:180 Resp: 561957
Ion Ratio Lower Upper
180 100
182 95.3 48.4 145.2
145 32.4 14.9 44.9

