

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063119.D
 Acq On : 16 Jul 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 17 07:38:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	576817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	832253	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	712271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	395689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	334227	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	6.91	113	370007	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
50) Toluene-d8	10.39	98	769176	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	
62) 4-Bromofluorobenzene	13.54	95	353264	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	315947	51.404	ug/l	98
3) Chloromethane	1.74	50	270365	51.912	ug/l #	85
4) Vinyl Chloride	1.83	62	279537	45.407	ug/l	98
5) Bromomethane	2.14	94	137150	59.033	ug/l	96
6) Chloroethane	2.26	64	145340	50.824	ug/l	94
7) Trichlorofluoromethane	2.52	101	619144	49.681	ug/l	93
8) Diethyl Ether	2.86	74	82292	46.942	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	325841	45.344	ug/l	95
10) Methyl Iodide	3.29	142	427850	48.498	ug/l	99
11) Tert butyl alcohol	4.05	59	94309	227.429	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	252382	49.458	ug/l	97
13) Acrolein	3.01	56	17968	143.565	ug/l	94
14) Allyl chloride	3.60	41	401567	50.071	ug/l	98
15) Acrylonitrile	4.18	53	235384	256.789	ug/l	99
16) Acetone	3.21	43	374304	215.678	ug/l	98
17) Carbon Disulfide	3.35	76	662017	45.324	ug/l	100
18) Methyl Acetate	3.63	43	158125	67.794	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	643731	49.974	ug/l	97
20) Methylene Chloride	3.80	84	283717	43.273	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	277228	48.939	ug/l	88
22) Diisopropyl ether	5.11	45	904998	51.901	ug/l	99
23) Vinyl Acetate	5.04	43	2740902	269.431	ug/l	98
24) 1,1-Dichloroethane	4.96	63	550628	51.265	ug/l	97
25) 2-Butanone	6.06	43	401436	242.232	ug/l	96
26) 2,2-Dichloropropane	6.00	77	531374	44.701	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	323231	50.160	ug/l	92
28) Bromochloromethane	6.43	49	203769	52.292	ug/l	93
29) Tetrahydrofuran	6.45	42	200118	266.385	ug/l	98
30) Chloroform	6.64	83	695573	52.583	ug/l	98
31) Cyclohexane	6.94	56	319273	46.675	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	703455	53.929	ug/l	96
36) 1,1-Dichloropropene	7.13	75	404928	43.261	ug/l	96
37) Ethyl Acetate	6.17	43	215646	53.832	ug/l #	95
38) Carbon Tetrachloride	7.10	117	683681	48.069	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063119.D
 Acq On : 16 Jul 2019 21:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Jul 17 07:38:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	344304	42.547	ug/l	98
40) Benzene	7.44	78	973514	49.659	ug/l	100
41) Methacrylonitrile	6.44	41	264229	48.651	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	496265	47.515	ug/l	96
43) Isopropyl Acetate	9.23	43	262353	45.691	ug/l #	96
44) Trichloroethene	8.52	130	367031	48.445	ug/l	100
45) 1,2-Dichloropropane	8.93	63	231303	47.323	ug/l	94
46) Dibromomethane	9.05	93	205816	49.002	ug/l	93
47) Bromodichloromethane	9.36	83	536959	48.991	ug/l #	94
48) Methyl methacrylate	9.10	41	182669	48.445	ug/l	93
49) 1,4-Dioxane	9.07	88	34893	1072.997	ug/l #	90
51) 4-Methyl-2-Pentanone	10.28	43	961859	252.566	ug/l	96
52) Toluene	10.49	92	609542	46.562	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	453899	48.337	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	454743	46.835	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	227756	50.344	ug/l	93
56) Ethyl methacrylate	11.03	69	246006	48.669	ug/l	95
57) 1,3-Dichloropropane	11.40	76	349066	50.707	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	706223	250.924	ug/l	100
59) 2-Hexanone	11.53	43	719663	245.031	ug/l	98
60) Dibromochloromethane	11.67	129	435743	50.247	ug/l	97
61) 1,2-Dibromoethane	11.79	107	281161	51.920	ug/l	98
64) Tetrachloroethene	11.25	164	324394	46.936	ug/l	94
65) Chlorobenzene	12.39	112	753235	44.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	370444	47.721	ug/l	96
67) Ethyl Benzene	12.52	91	1369732	47.083	ug/l	98
68) m/p-Xylenes	12.66	106	935011	89.733	ug/l	93
69) o-Xylene	13.04	106	439028	44.435	ug/l	93
70) Styrene	13.06	104	803229	46.444	ug/l	96
71) Bromoform	13.23	173	270499	49.773	ug/l	98
73) Isopropylbenzene	13.40	105	1395106	45.654	ug/l	98
74) N-amyl acetate	13.26	43	396336	46.506	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	261298	46.998	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	290745	47.766	ug/l	99
77) Bromobenzene	13.66	156	401241	46.302	ug/l	84
78) n-propylbenzene	13.77	91	1490018	42.372	ug/l	99
79) 2-Chlorotoluene	13.83	91	912797	42.931	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1199792	45.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	74530	46.497	ug/l	93
82) 4-Chlorotoluene	13.94	91	1173794	47.277	ug/l	91
83) tert-Butylbenzene	14.18	119	1442539	47.903	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	1240212	46.709	ug/l	100
85) sec-Butylbenzene	14.36	105	1489838	46.564	ug/l	100
86) p-Isopropyltoluene	14.49	119	1221678	40.930	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	624340	40.343	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	694117	46.785	ug/l	97
89) n-Butylbenzene	14.79	91	1209595	43.968	ug/l	98
90) Hexachloroethane	15.00	117	352667	44.199	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	640158	46.454	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	50715	47.589	ug/l	66

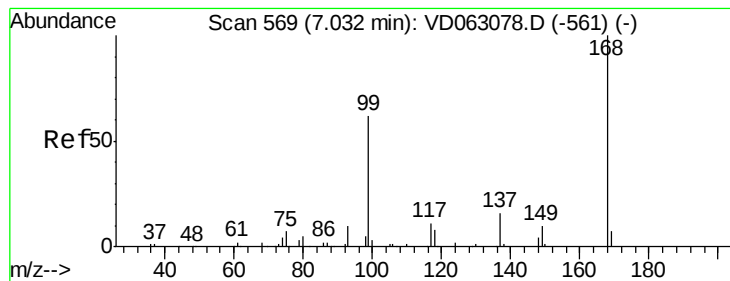
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063119.D
Acq On : 16 Jul 2019 21:04
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Jul 17 07:38:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	470673	45.462	ug/l	98
94) Hexachlorobutadiene	16.03	225	358907	47.032	ug/l	99
95) Naphthalene	16.12	128	731345	48.292	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	340156	40.842	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

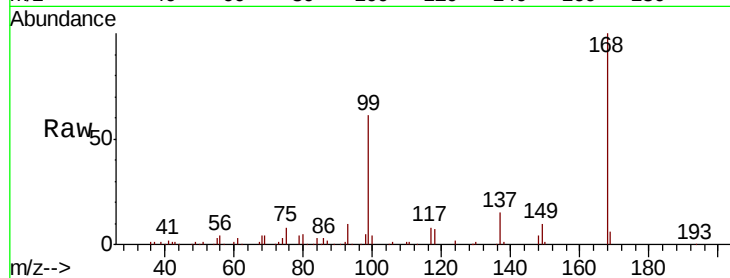
VSTDCCC050EC

Tot Ion:168 Resp: 576817

Ion Ratio Lower Upper

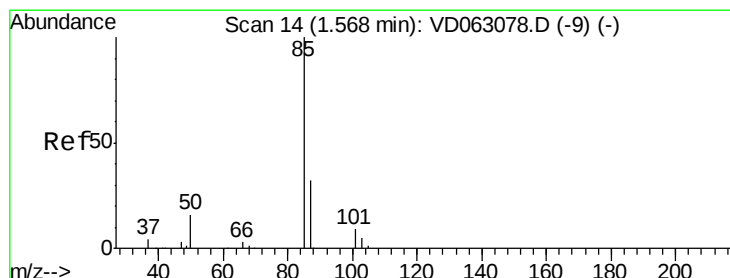
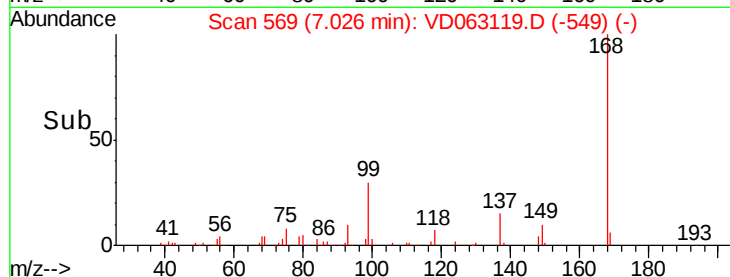
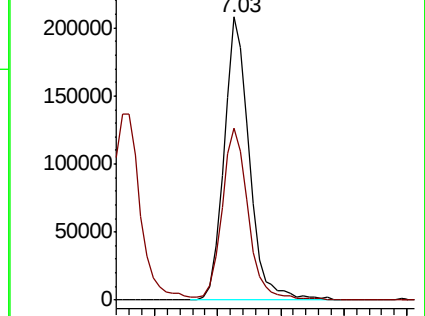
168 100

99 61.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.404 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063119.D

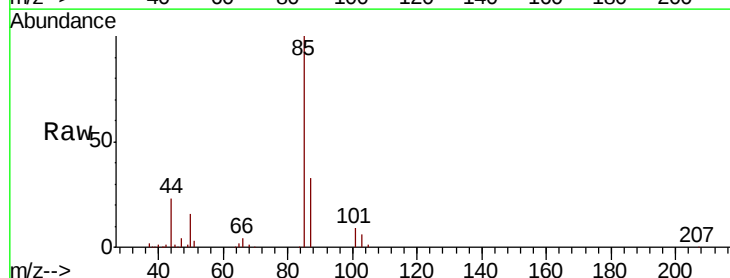
Acq: 16 Jul 2019 21:04

Tgt Ion: 85 Resp: 315947

Ion Ratio Lower Upper

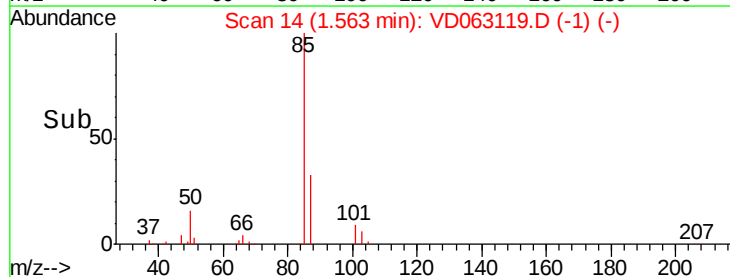
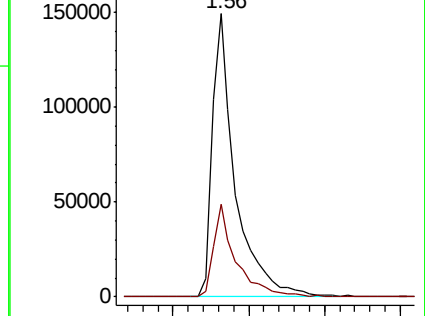
85 100

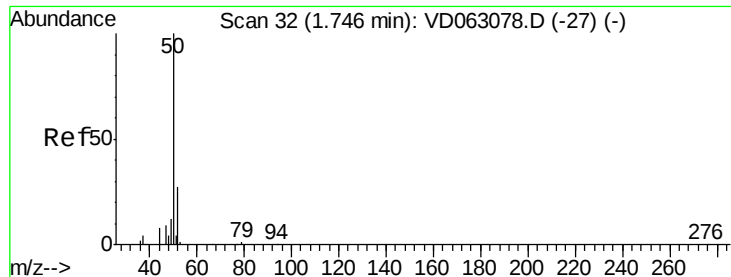
87 32.9 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.912 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

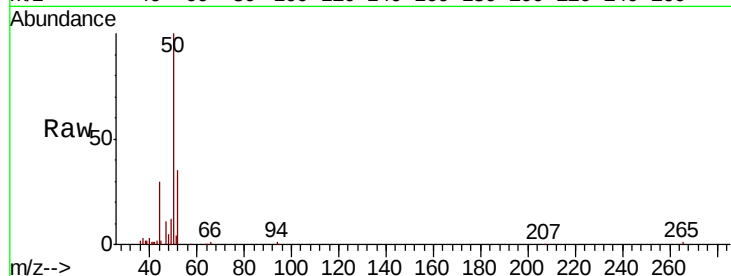
VSTDCCC050EC

Tot Ion: 50 Resp: 270365

Ion Ratio Lower Upper

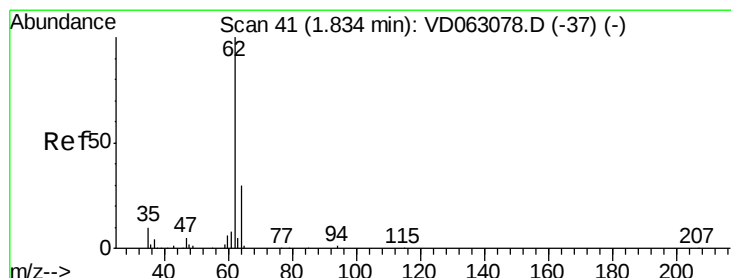
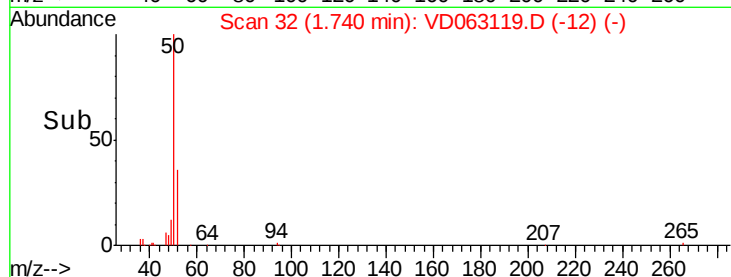
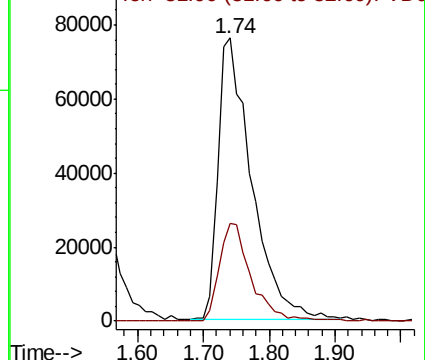
50 100

52 34.7 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.407 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD063119.D

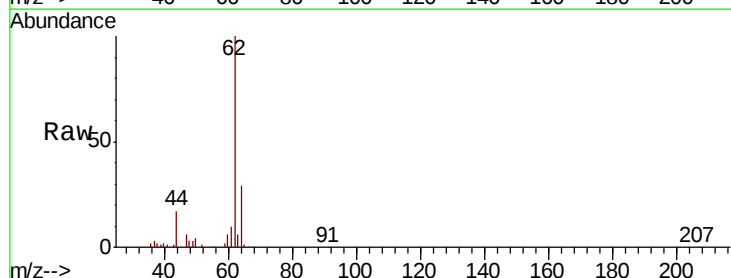
Acq: 16 Jul 2019 21:04

Tgt Ion: 62 Resp: 279537

Ion Ratio Lower Upper

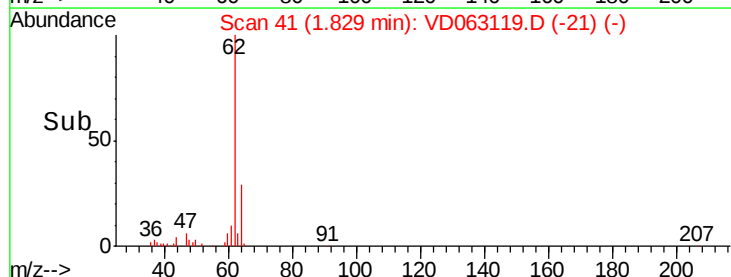
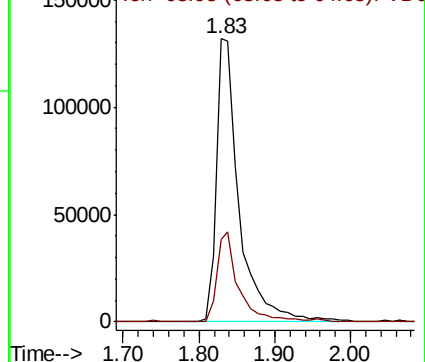
62 100

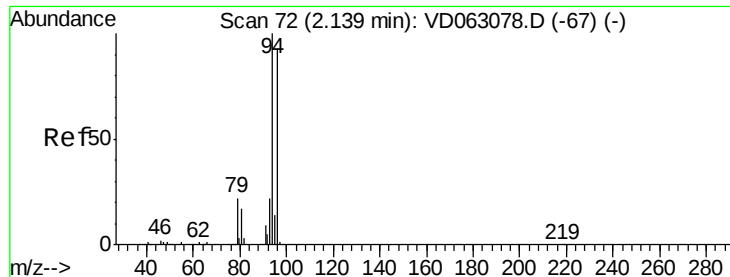
64 29.2 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.033 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

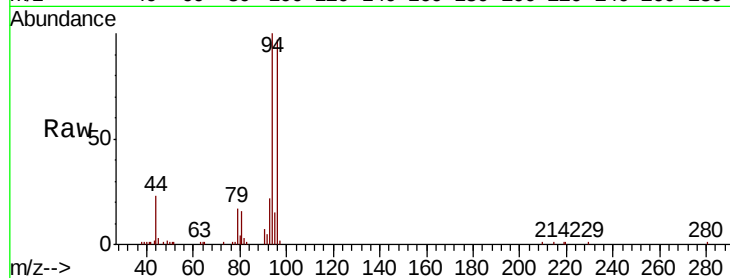
Tot Ion: 94 Resp: 137150

Ion Ratio Lower Upper

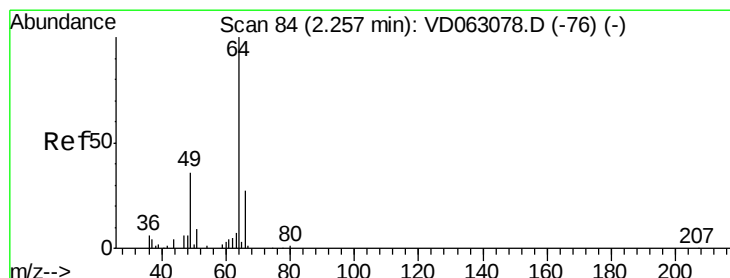
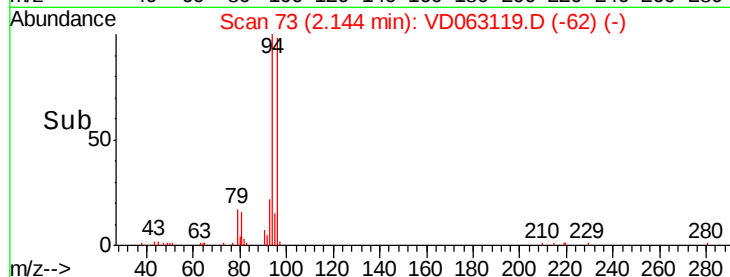
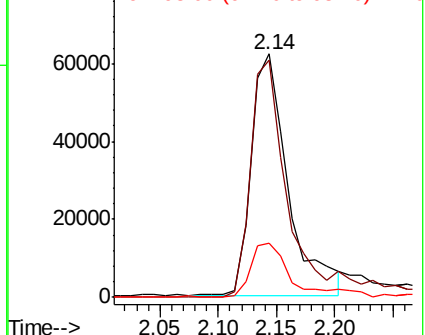
94 100

96 97.2 74.2 111.2

93 22.1 17.8 26.6



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



#6

Chloroethane

Concen: 50.824 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063119.D

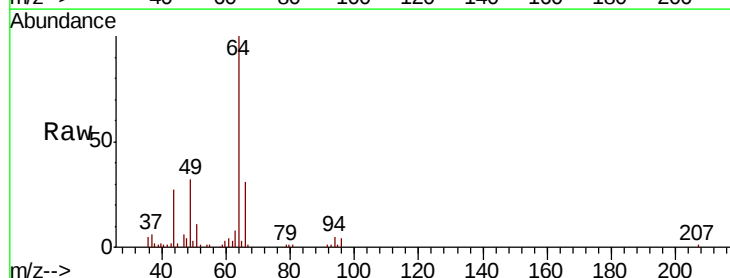
Acq: 16 Jul 2019 21:04

Tgt Ion: 64 Resp: 145340

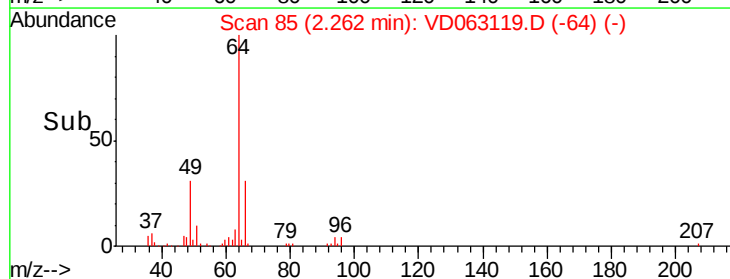
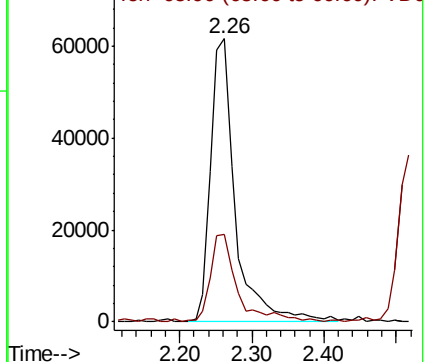
Ion Ratio Lower Upper

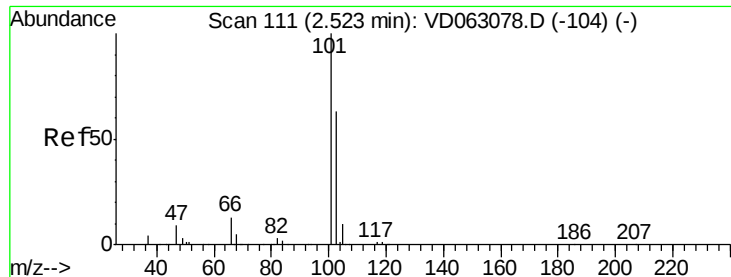
64 100

66 31.0 22.5 33.7



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



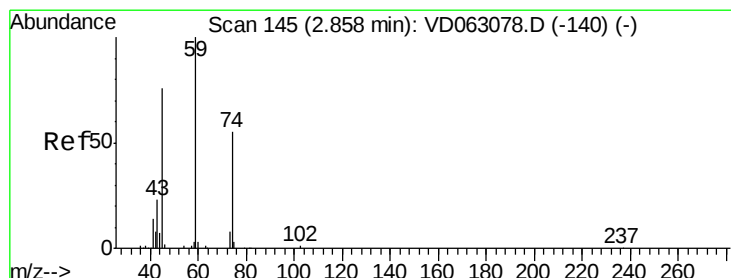
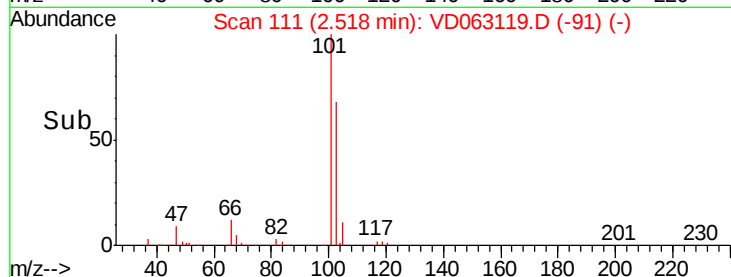
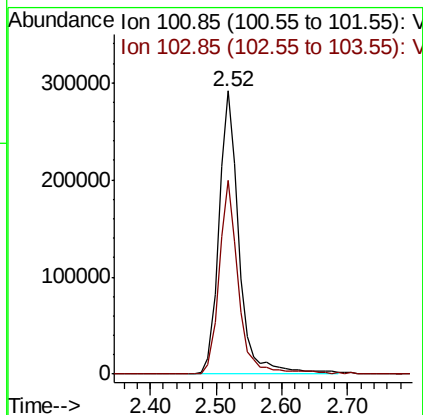
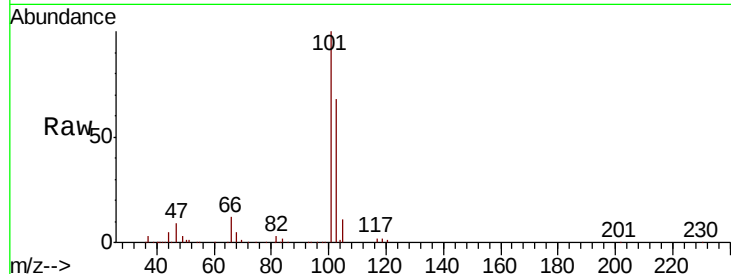


#7

Trichlorofluoromethane
 Concen: 49.681 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

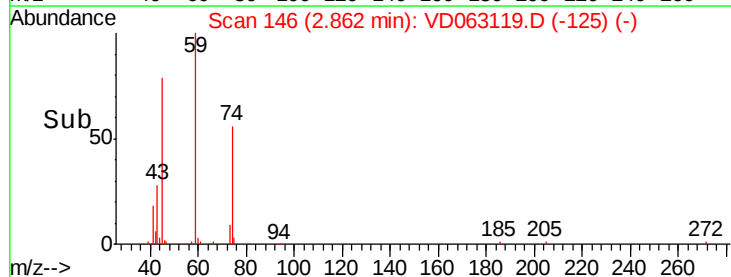
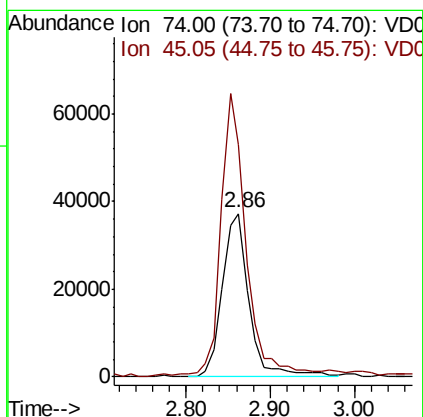
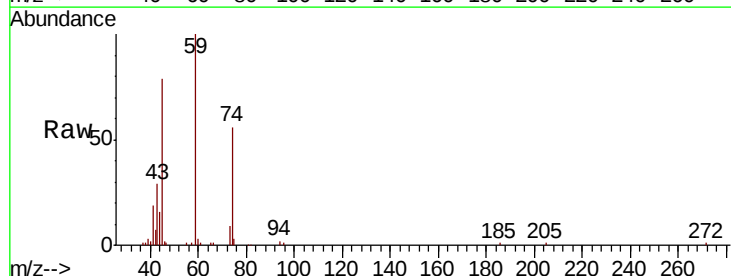
Tot Ion:101 Resp: 619144
 Ion Ratio Lower Upper
 101 100
 103 68.4 50.6 76.0

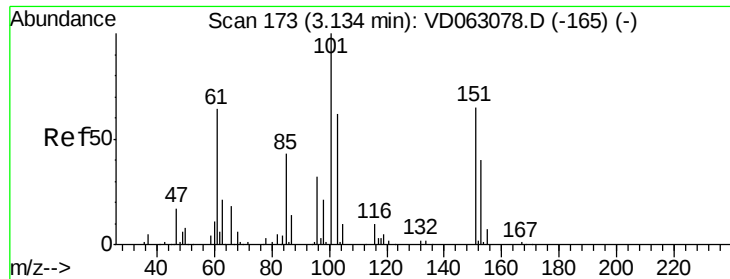


#8

Diethyl Ether
 Concen: 46.942 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 74 Resp: 82292
 Ion Ratio Lower Upper
 74 100
 45 142.1 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.344 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

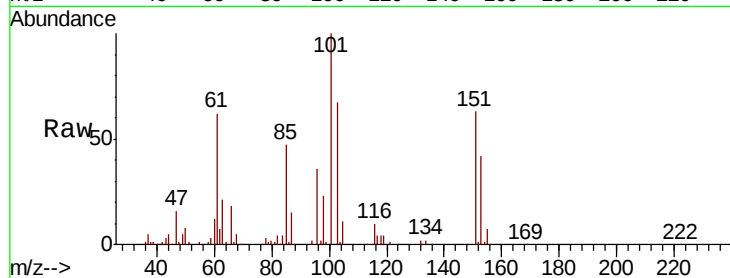
Tot Ion:101 Resp: 325841

Ion Ratio Lower Upper

101 100

85 47.1 34.6 51.8

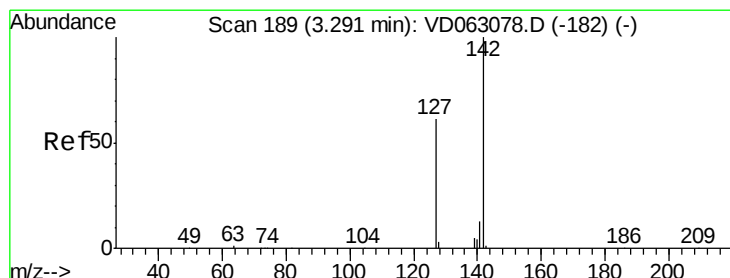
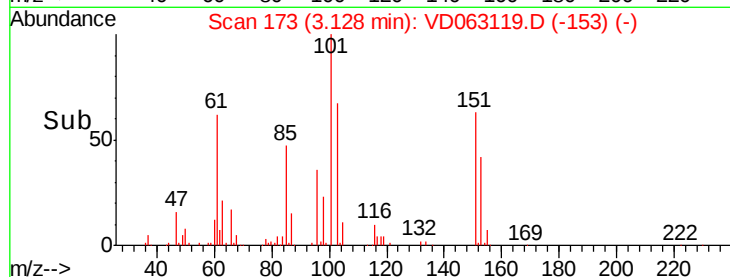
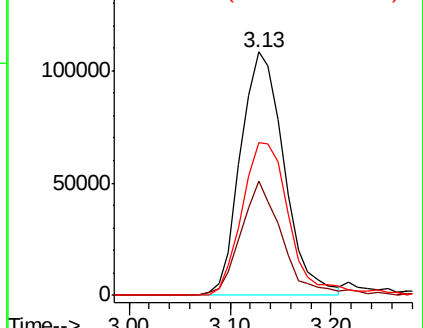
151 62.6 52.4 78.6



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: 48.498 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

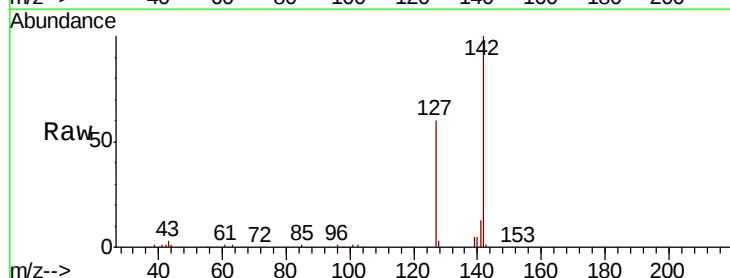
Tgt Ion:142 Resp: 427850

Ion Ratio Lower Upper

142 100

127 60.3 48.6 73.0

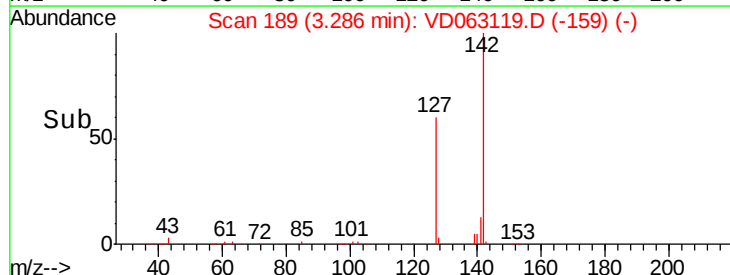
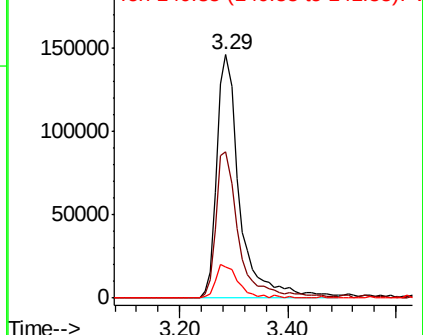
141 12.8 10.6 16.0

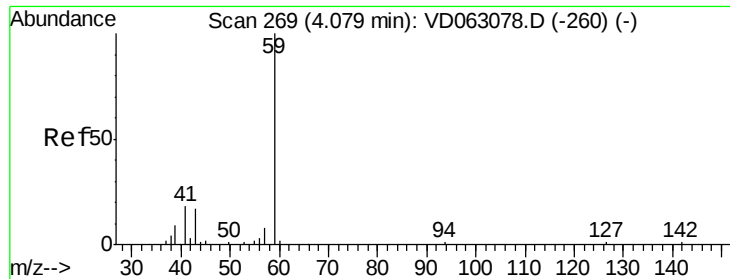


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

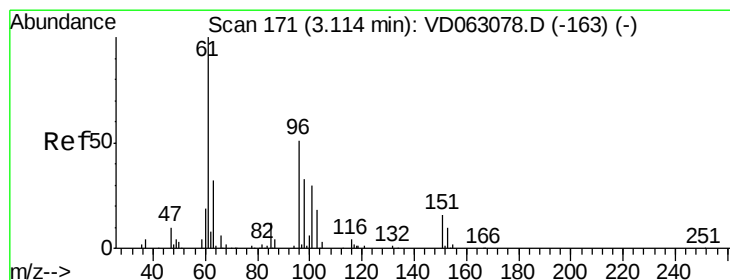
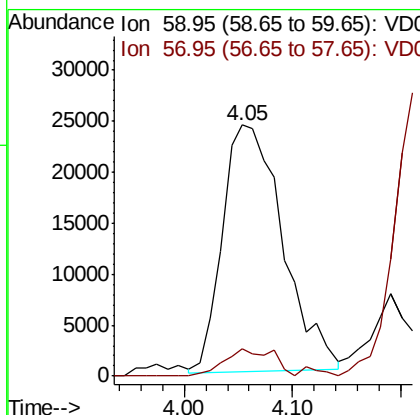
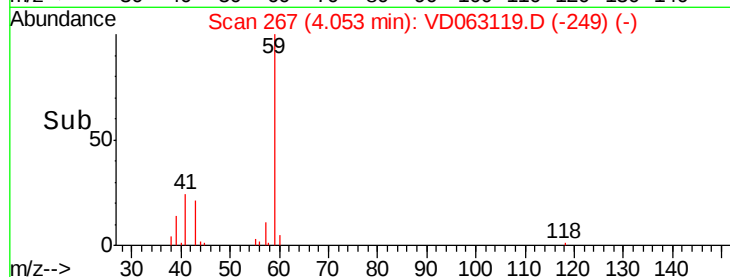
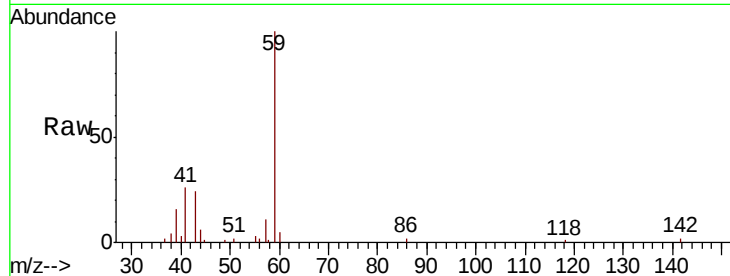




#11
Tert butyl alcohol
Concen: 227.429 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

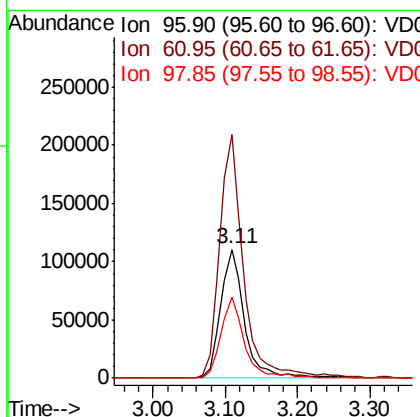
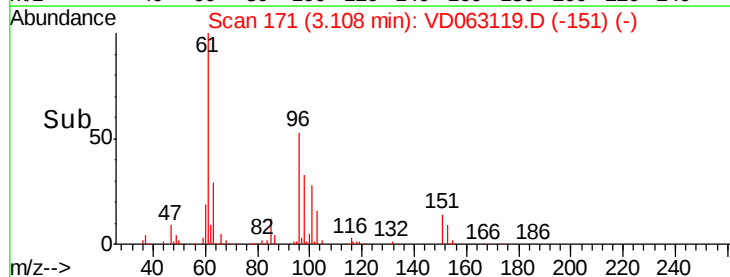
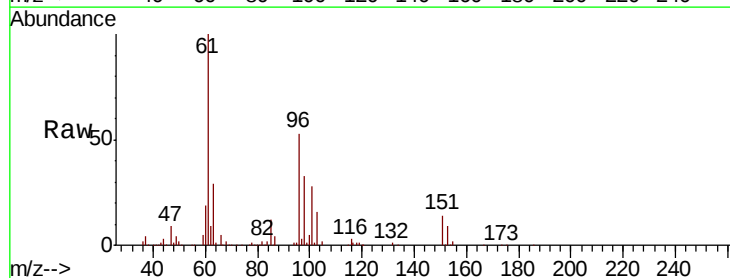
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

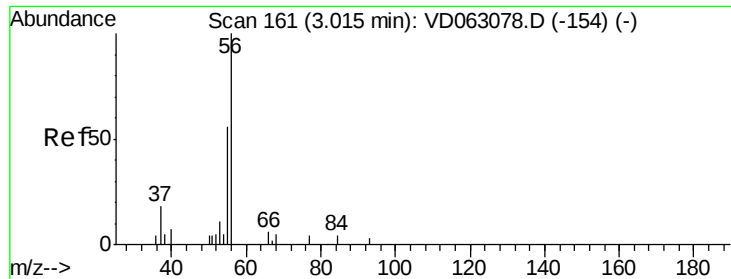
Tot Ion: 59 Resp: 94309
Ion Ratio Lower Upper
59 100
57 10.9 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 49.458 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 96 Resp: 252382
Ion Ratio Lower Upper
96 100
61 189.2 155.5 233.3
98 62.7 51.5 77.3





#13

Acrolein

Concen: 143.565 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

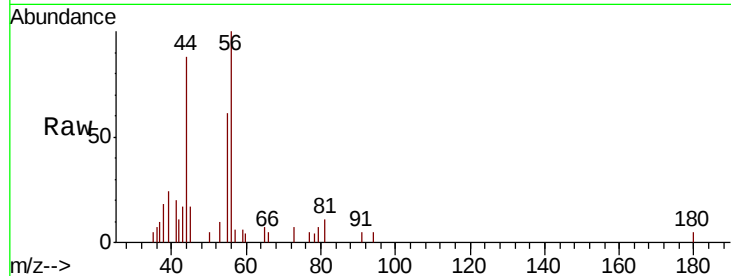
VSTDCCC050EC

Tot Ion: 56 Resp: 17968

Ion Ratio Lower Upper

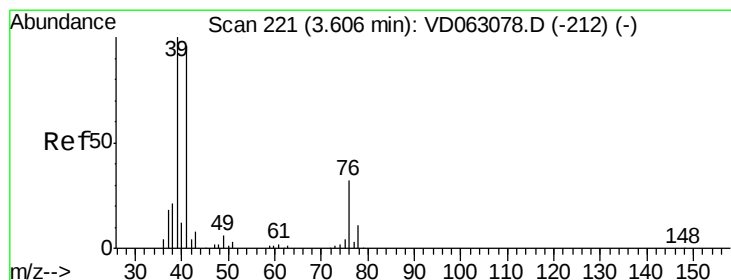
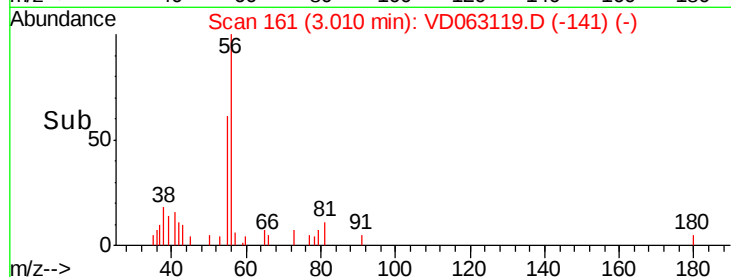
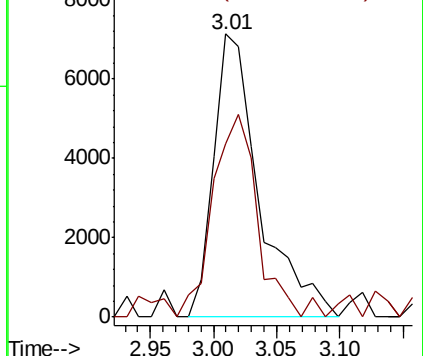
56 100

55 61.0 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.071 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

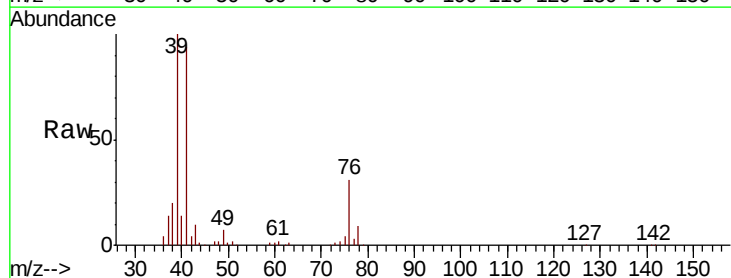
Tgt Ion: 41 Resp: 401567

Ion Ratio Lower Upper

41 100

39 106.3 83.5 125.3

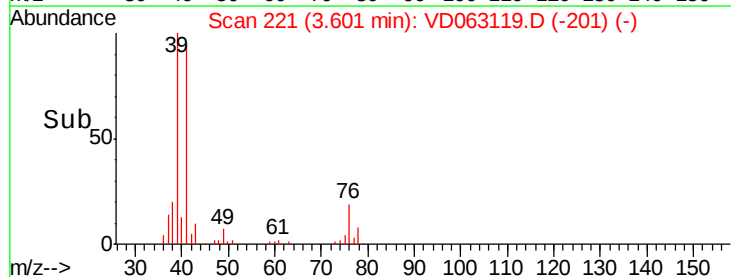
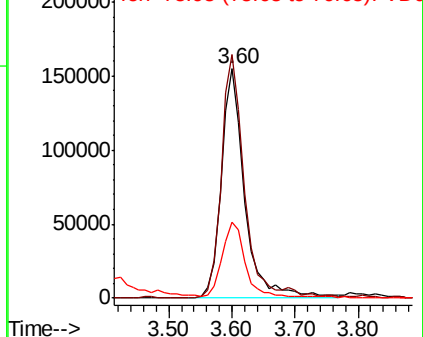
76 33.1 27.8 41.8

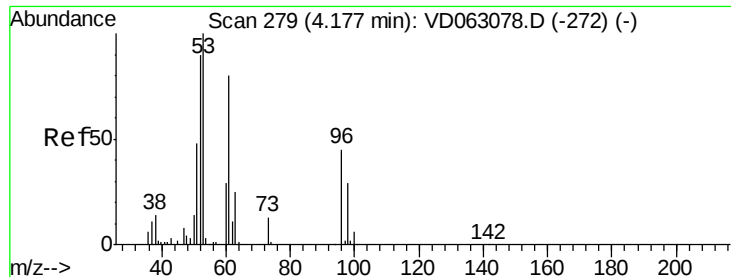


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 256.789 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

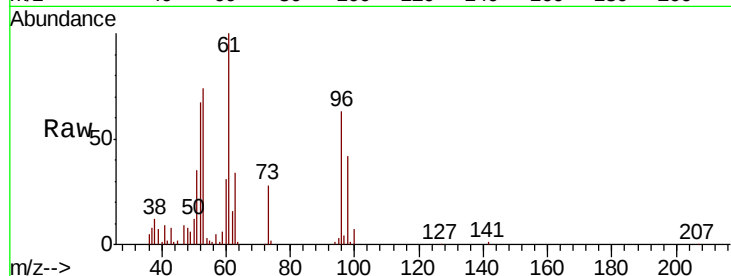
Tot Ion: 53 Resp: 235384

Ion Ratio Lower Upper

53 100

52 91.2 72.3 108.5

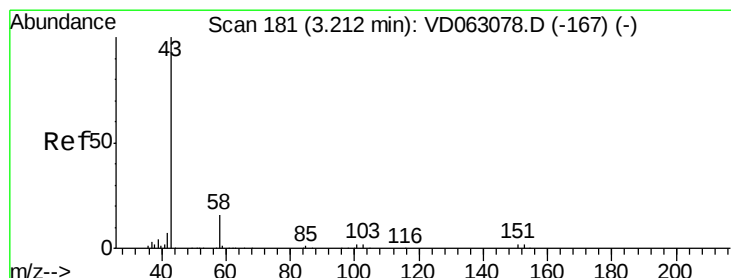
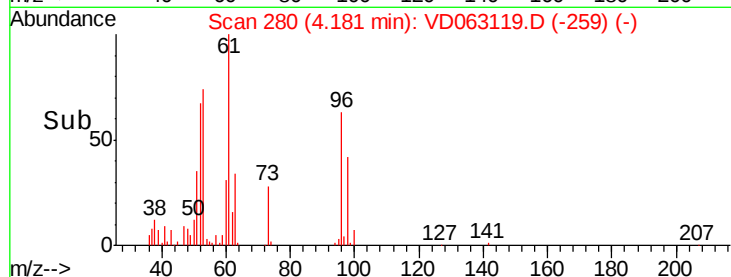
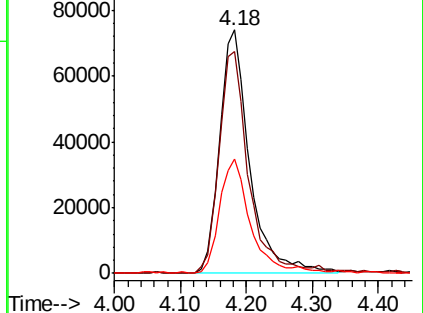
51 46.8 38.0 57.0



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: 215.678 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063119.D

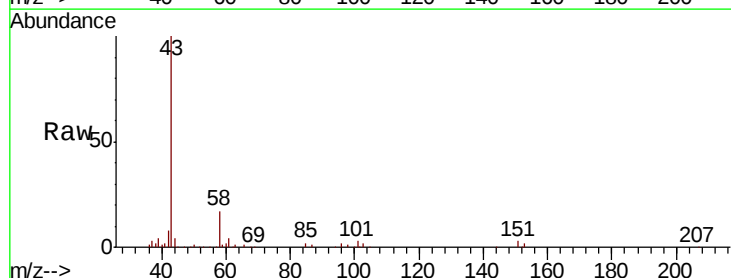
Acq: 16 Jul 2019 21:04

Tgt Ion: 43 Resp: 374304

Ion Ratio Lower Upper

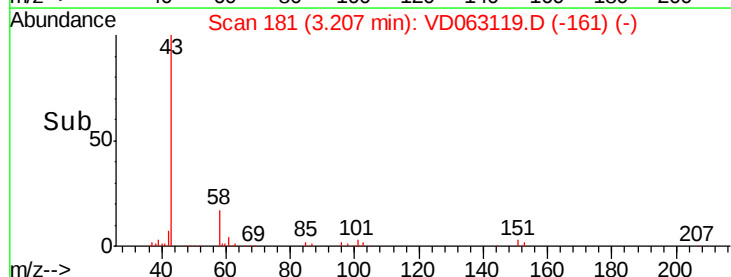
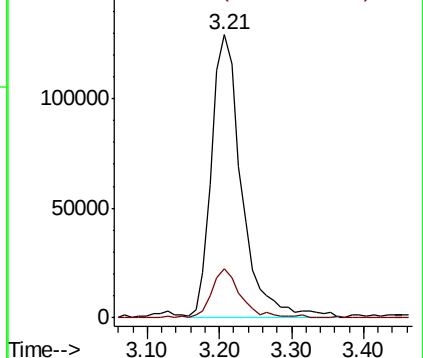
43 100

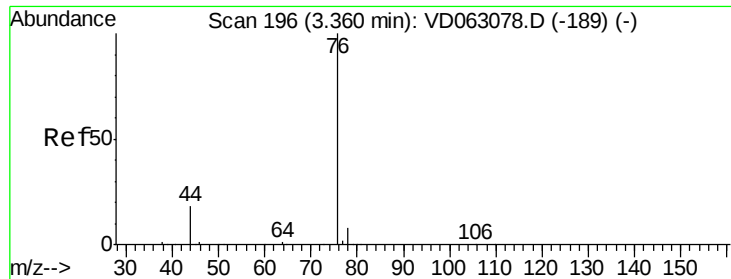
58 17.2 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

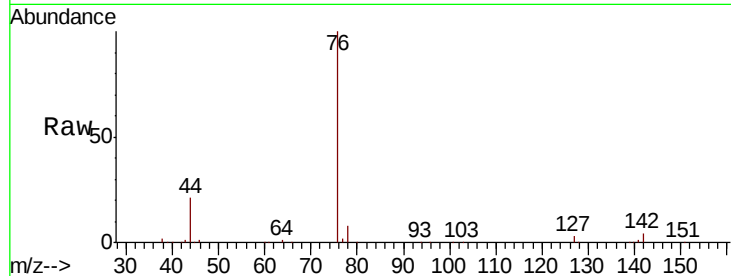




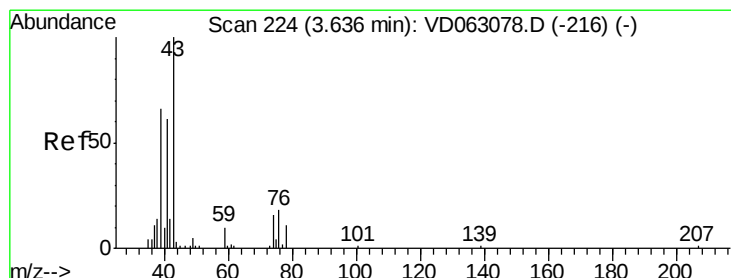
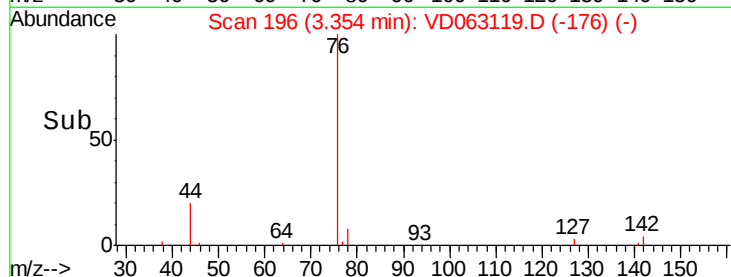
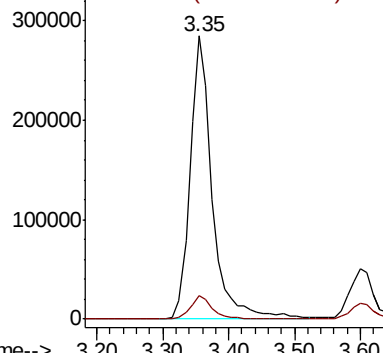
#17
Carbon Disulfide
Concen: 45.324 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 662017
Ion Ratio Lower Upper
76 100
78 8.2 6.7 10.1

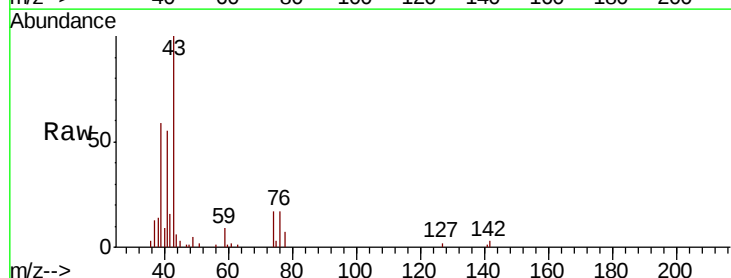


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

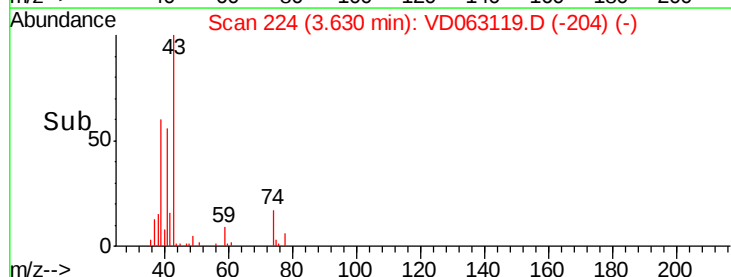
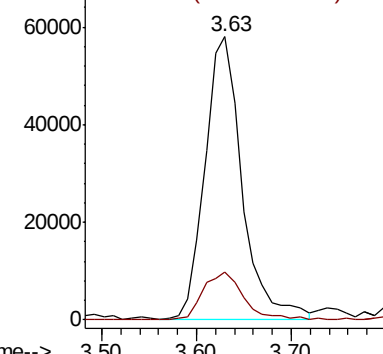


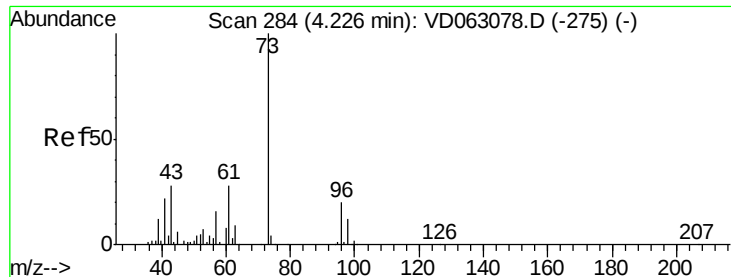
#18
Methyl Acetate
Concen: 67.794 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 43 Resp: 158125
Ion Ratio Lower Upper
43 100
74 16.7 12.5 18.7



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



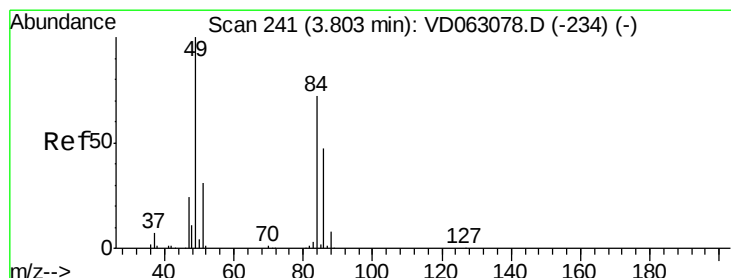
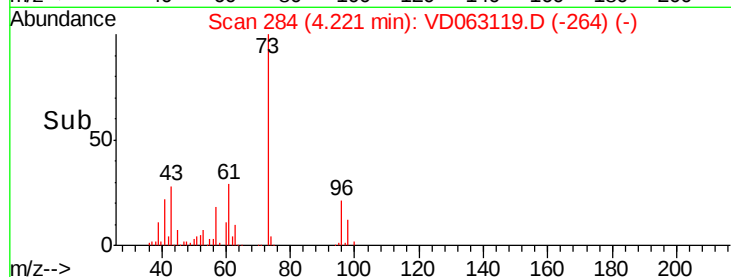
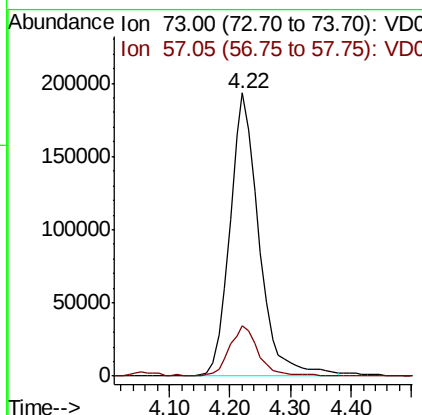
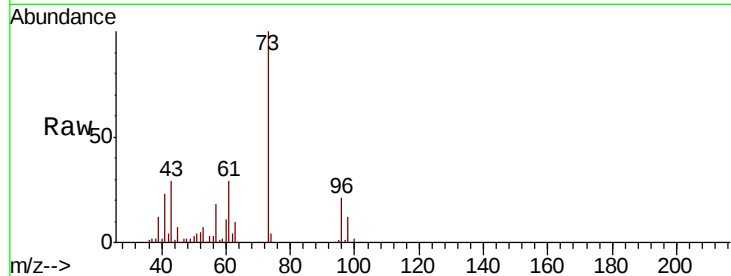


#19

Methyl tert-butyl Ether
 Concen: 49.974 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

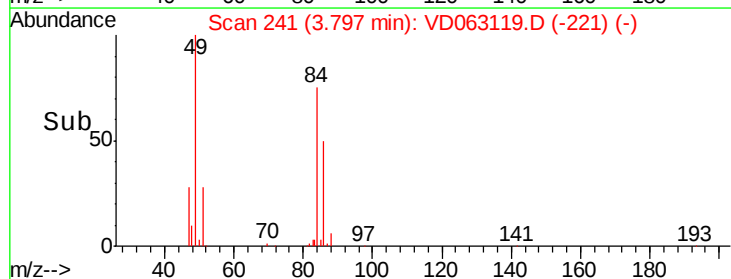
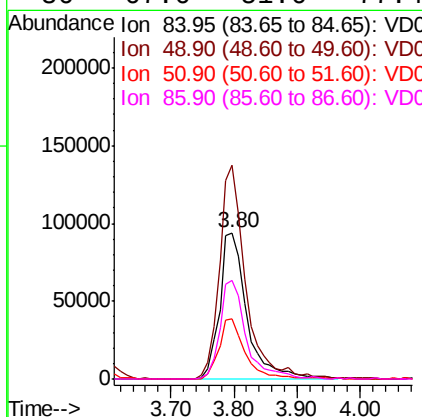
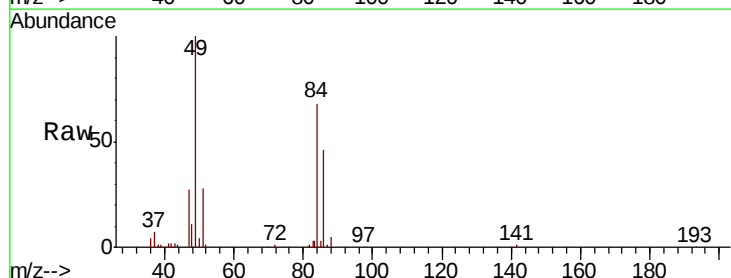
Tot Ion: 73 Resp: 643731
 Ion Ratio Lower Upper
 73 100
 57 17.8 13.1 19.7

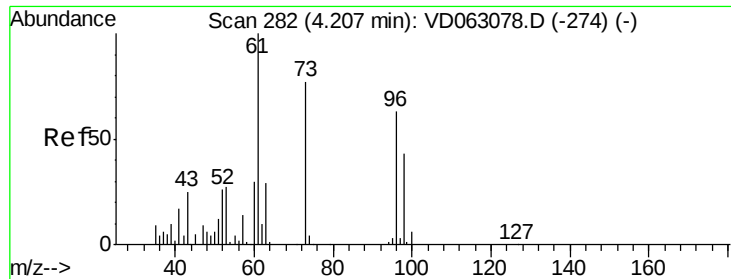


#20

Methylene Chloride
 Concen: 43.273 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 84 Resp: 283717
 Ion Ratio Lower Upper
 84 100
 49 146.1 110.5 165.7
 51 41.4 34.6 51.8
 86 67.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.939 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

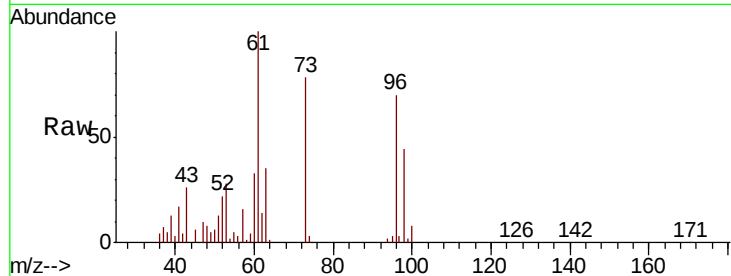
Tot Ion: 96 Resp: 277228

Ion Ratio Lower Upper

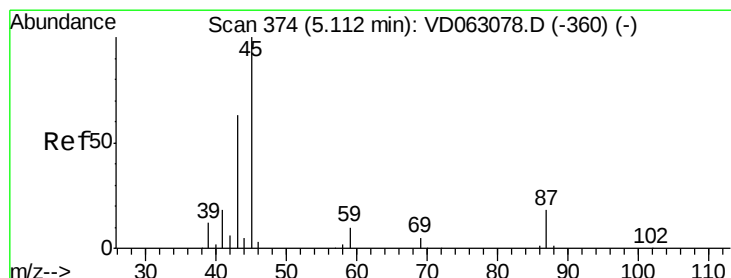
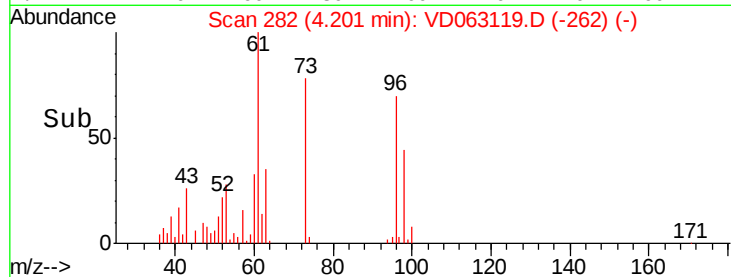
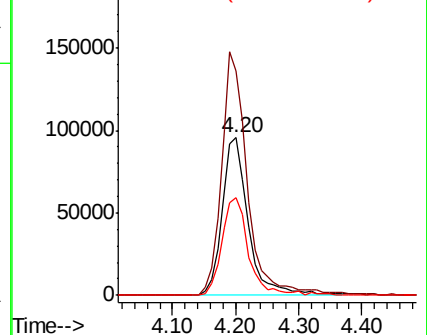
96 100

61 142.6 128.0 192.0

98 62.1 55.2 82.8



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



#22

Diisopropyl ether

Concen: 51.901 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Tgt Ion: 45 Resp: 904998

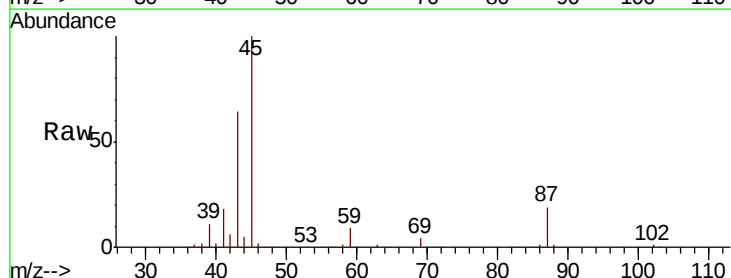
Ion Ratio Lower Upper

45 100

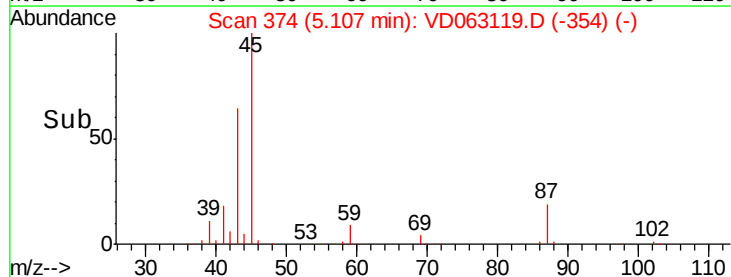
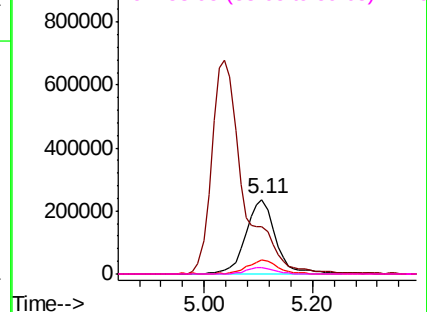
43 63.6 50.5 75.7

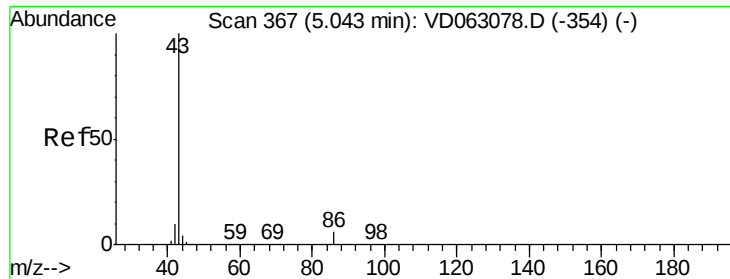
87 19.3 15.1 22.7

59 9.3 7.6 11.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 269.431 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

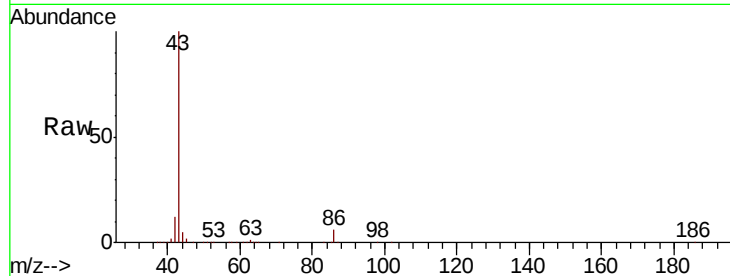
VSTDCCC050EC

Tot Ion: 43 Resp: 2740902

Ion Ratio Lower Upper

43 100

86 5.8 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

600000

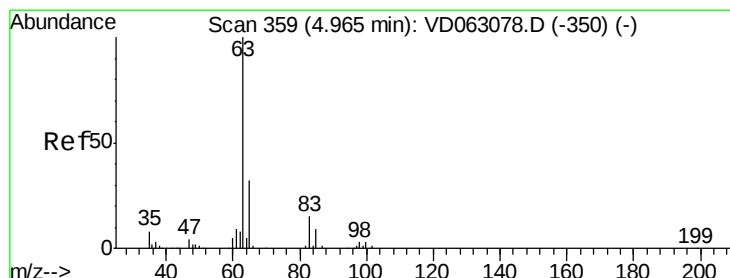
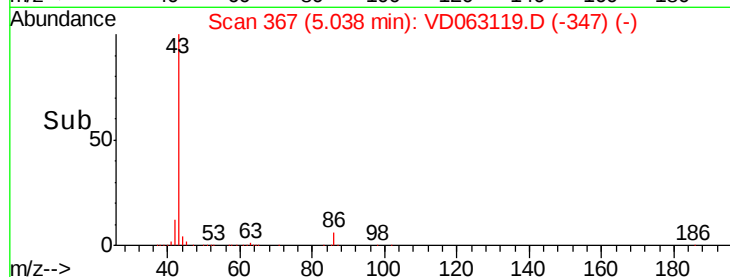
400000

200000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 51.265 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

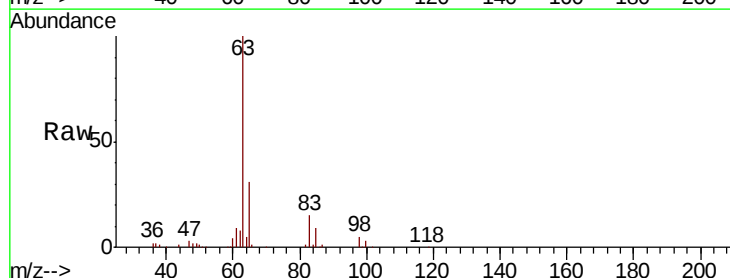
Tgt Ion: 63 Resp: 550628

Ion Ratio Lower Upper

63 100

98 5.0 1.7 5.1

100 3.2 1.5 4.5



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

200000

150000

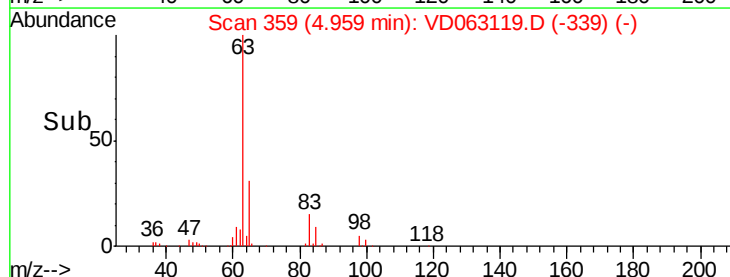
100000

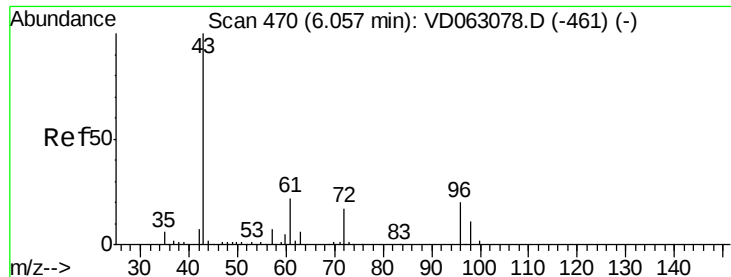
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 242.232 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

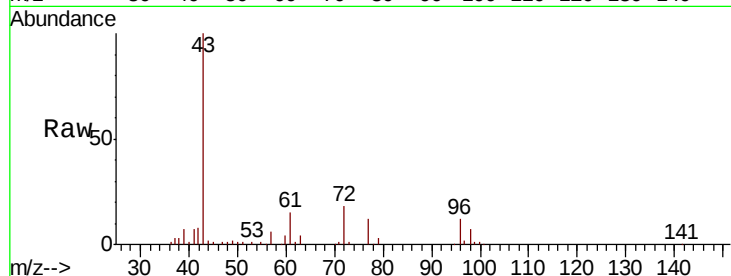
VSTDCCC050EC

Tot Ion: 43 Resp: 401436

Ion Ratio Lower Upper

43 100

72 18.5 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

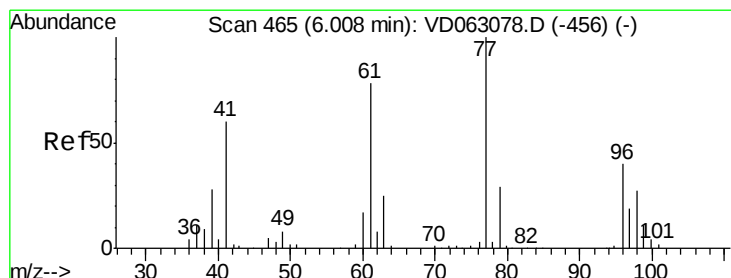
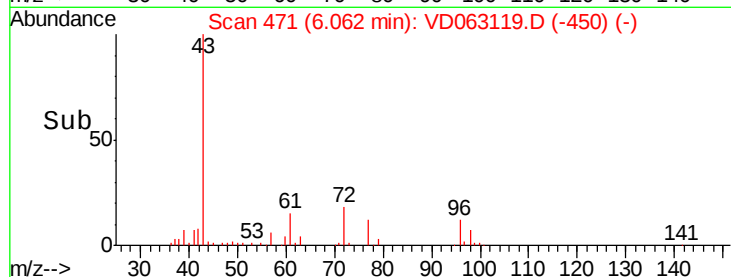
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.701 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063119.D

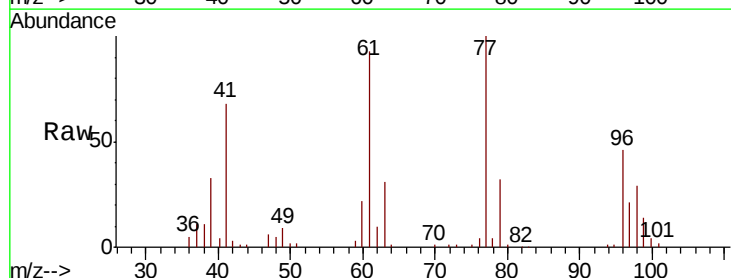
Acq: 16 Jul 2019 21:04

Tgt Ion: 77 Resp: 531374

Ion Ratio Lower Upper

77 100

97 21.1 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.00

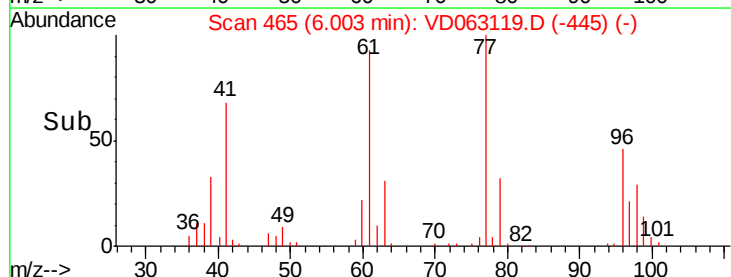
150000

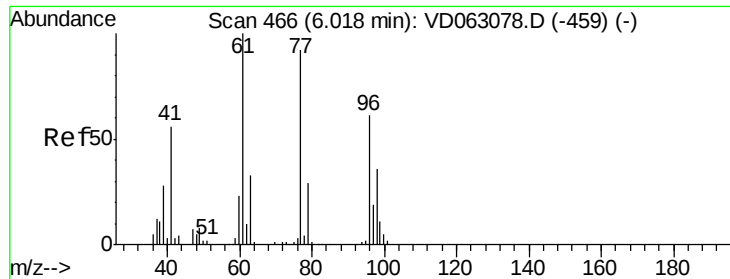
100000

50000

0

Time-->



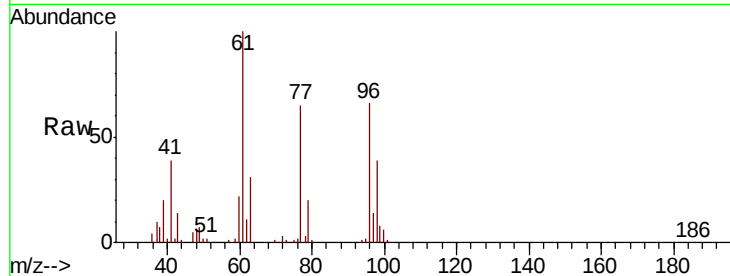


#27

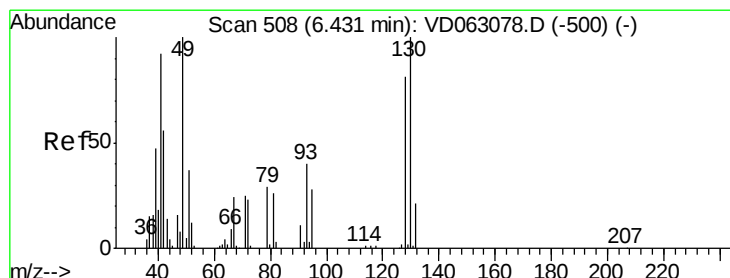
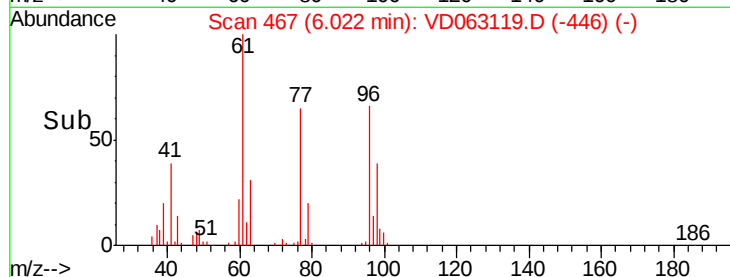
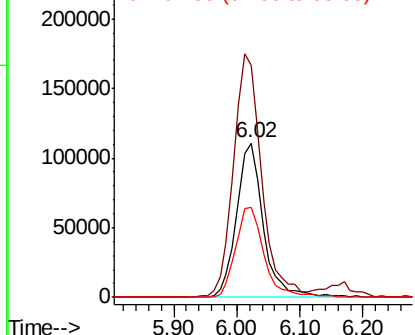
cis-1,2-Dichloroethene
Concen: 50.160 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 323231
Ion Ratio Lower Upper
96 100
61 150.5 0.0 329.6
98 58.4 0.0 118.4



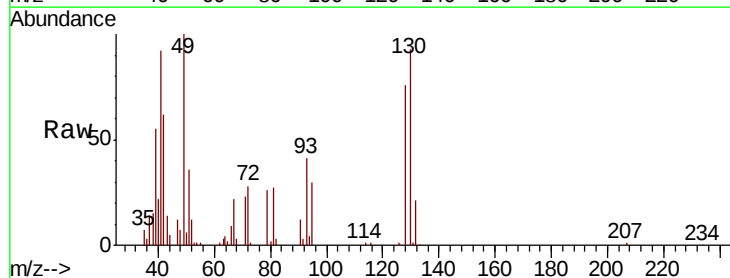
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



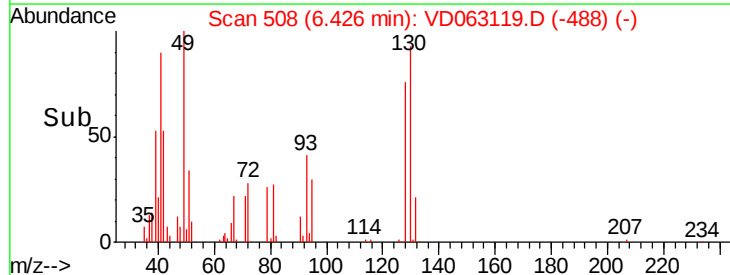
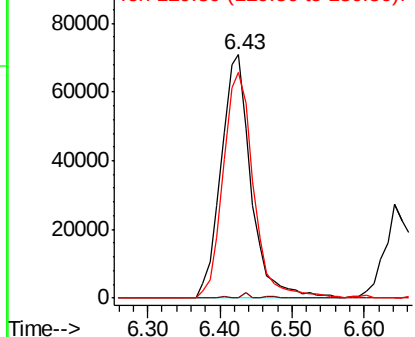
#28

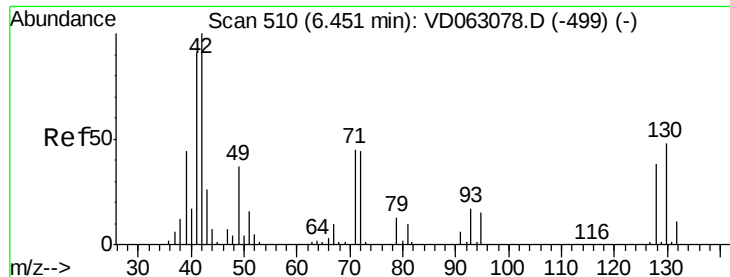
Bromochloromethane
Concen: 52.292 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 49 Resp: 203769
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 92.9 80.3 120.5



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





#29

Tetrahydrofuran

Concen: 266.385 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

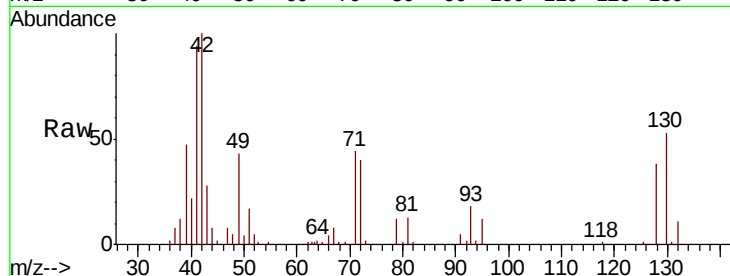
Tot Ion: 42 Resp: 200118

Ion Ratio Lower Upper

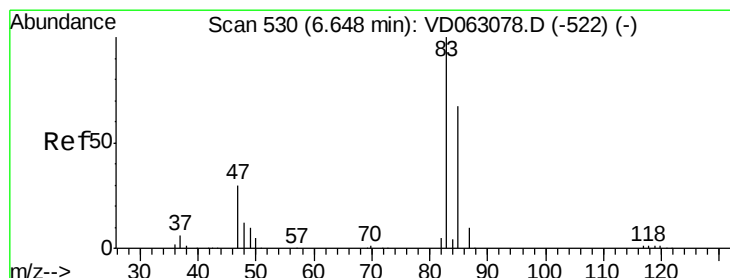
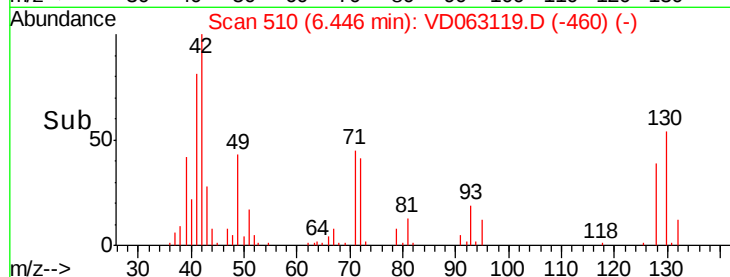
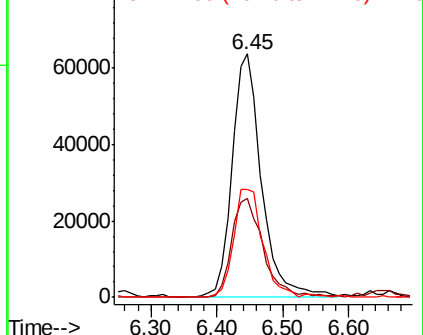
42 100

72 43.6 33.7 50.5

71 44.3 34.2 51.2



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: 52.583 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: VD063119.D

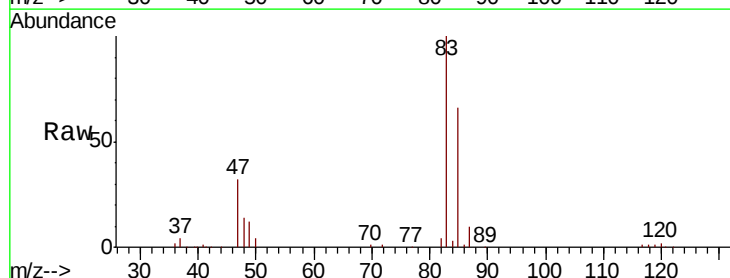
Acq: 16 Jul 2019 21:04

Tgt Ion: 83 Resp: 695573

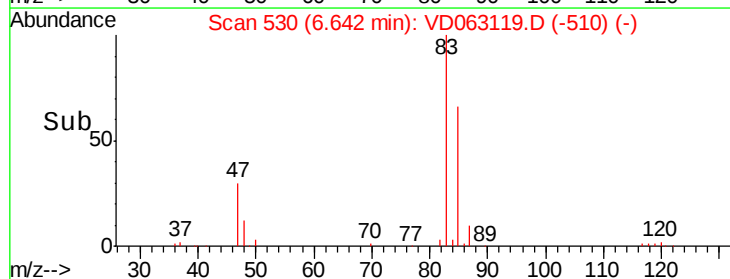
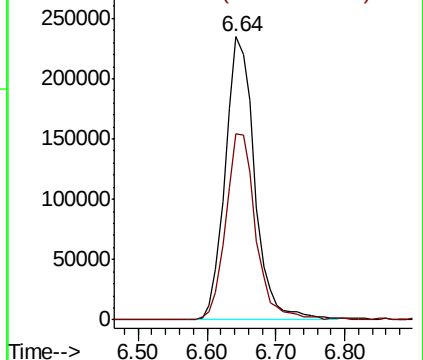
Ion Ratio Lower Upper

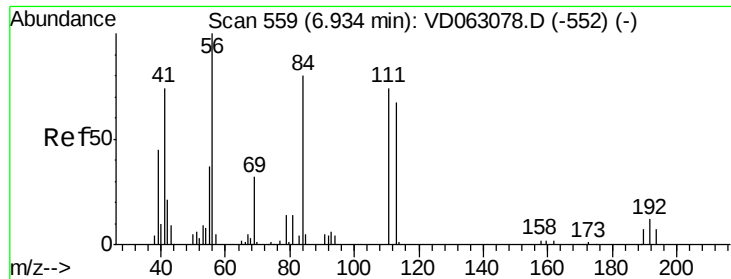
83 100

85 65.7 53.8 80.8



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

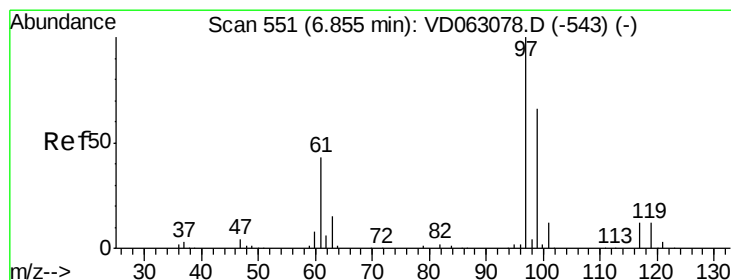
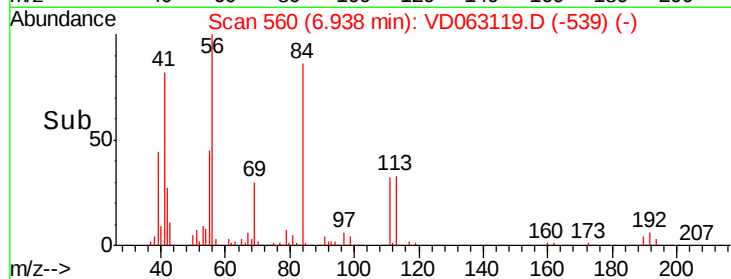
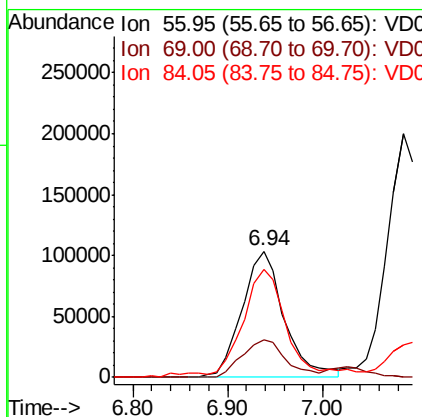
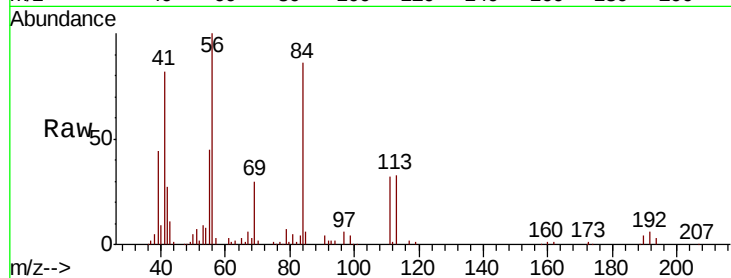




#31
Cyclohexane
Concen: 46.675 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

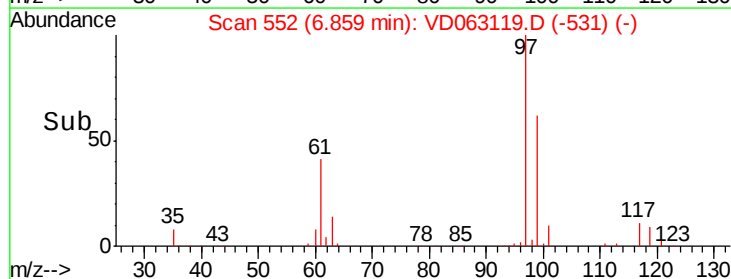
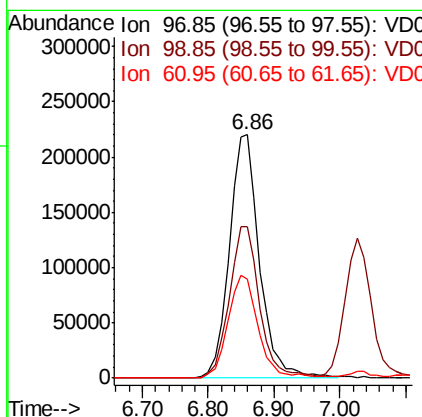
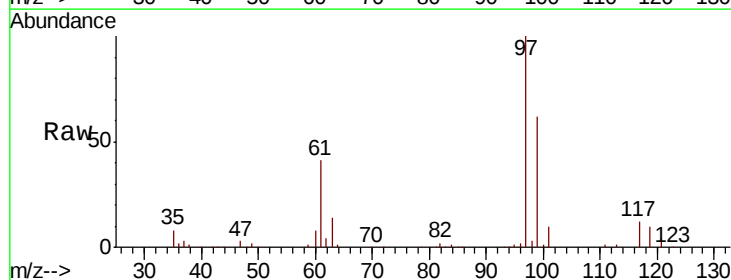
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

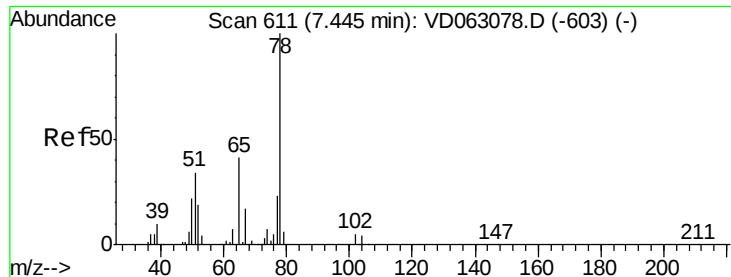
Tot Ion: 56 Resp: 319273
Ion Ratio Lower Upper
56 100
69 30.2 25.3 37.9
84 85.6 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 53.929 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 97 Resp: 703455
Ion Ratio Lower Upper
97 100
99 62.2 52.9 79.3
61 40.6 34.4 51.6

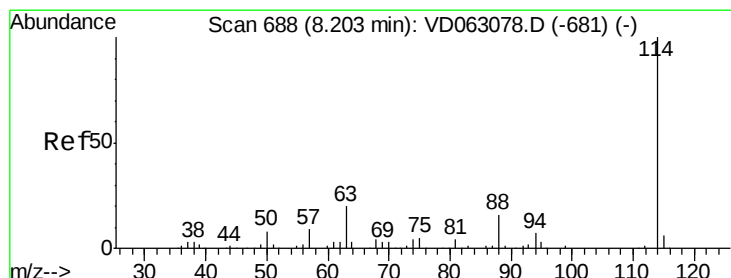
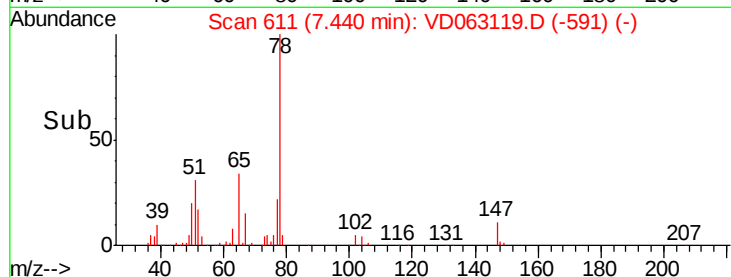
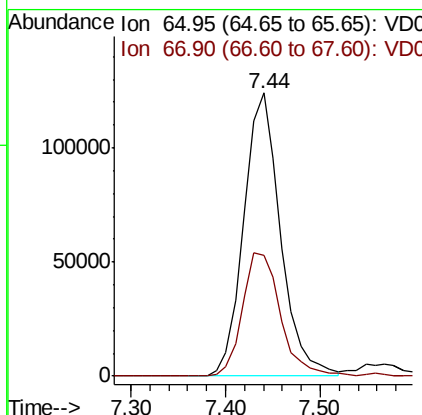
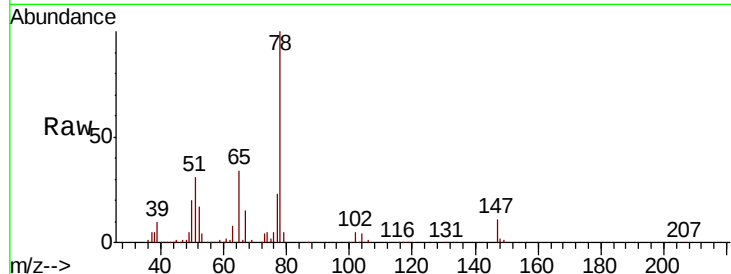




#33
 1,2-Dichloroethane-d4
 Concen: 46.515 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

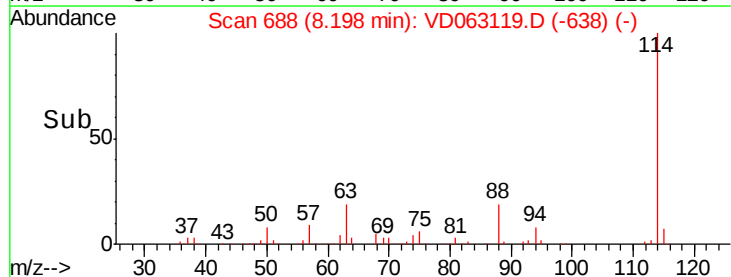
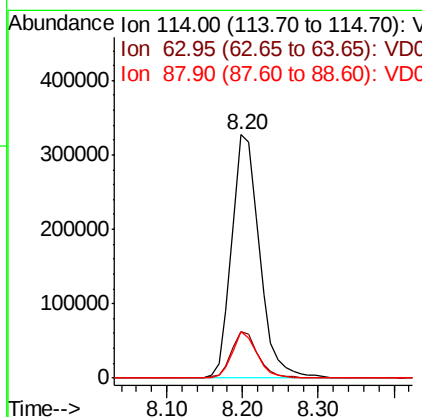
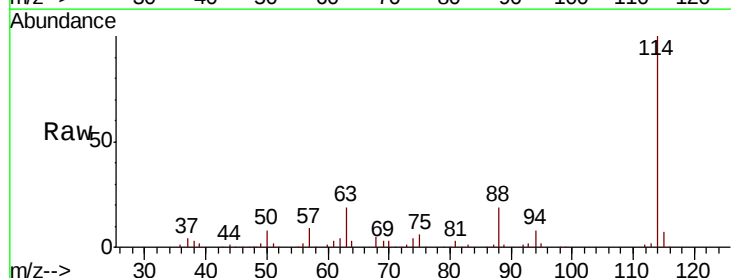
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

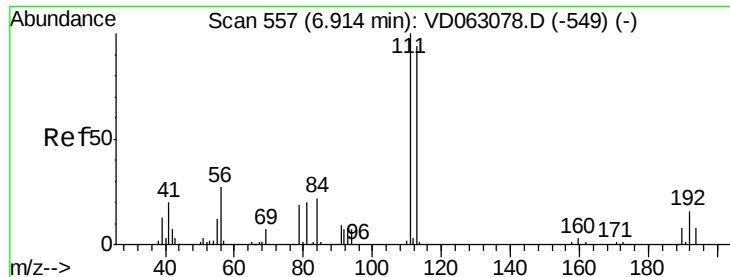
Tot Ion: 65 Resp: 334227
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 114 Resp: 832253
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.6
 88 18.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 44.636 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

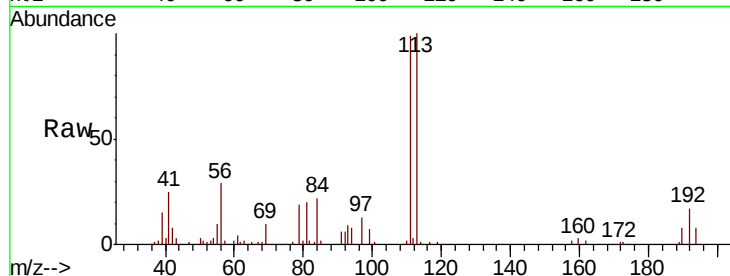
Tot Ion:113 Resp: 370007

Ion Ratio Lower Upper

113 100

111 99.0 84.8 127.2

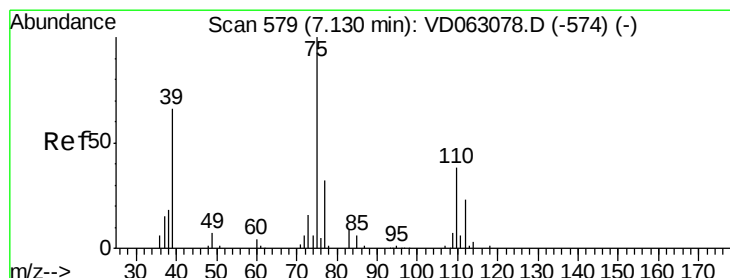
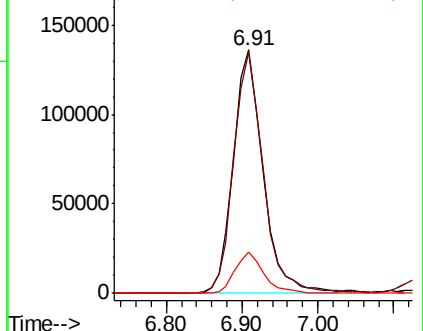
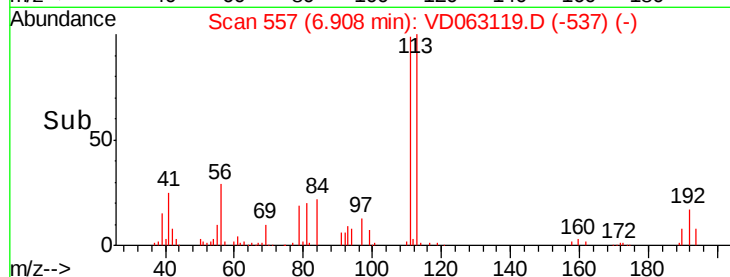
192 17.3 13.4 20.0



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: 43.261 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

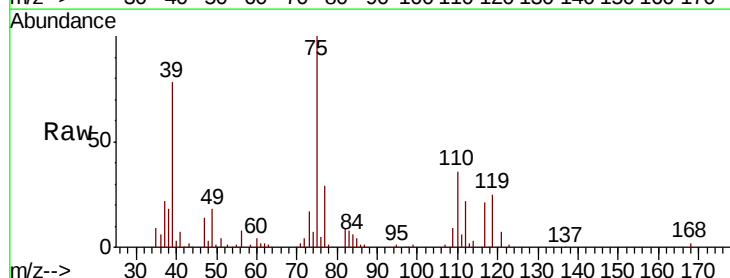
Tgt Ion: 75 Resp: 404928

Ion Ratio Lower Upper

75 100

110 36.4 18.9 56.5

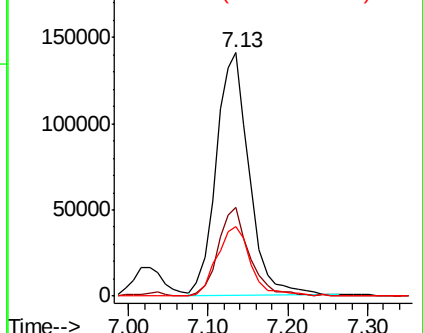
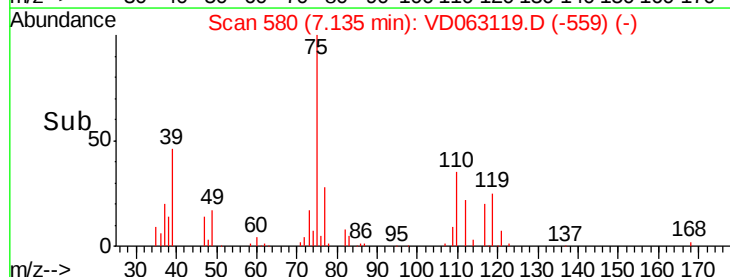
77 28.6 25.2 37.8

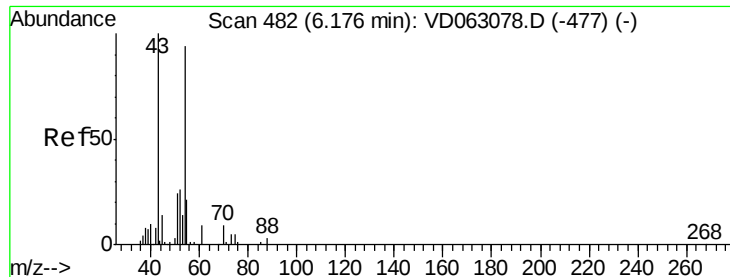


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

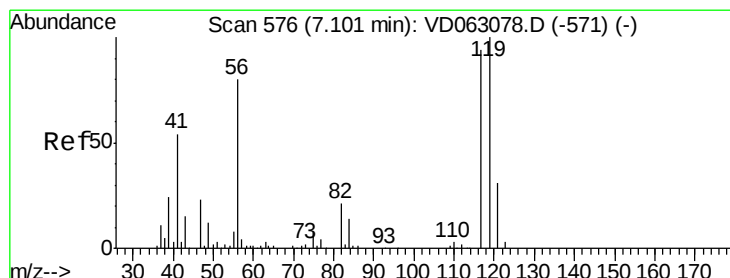
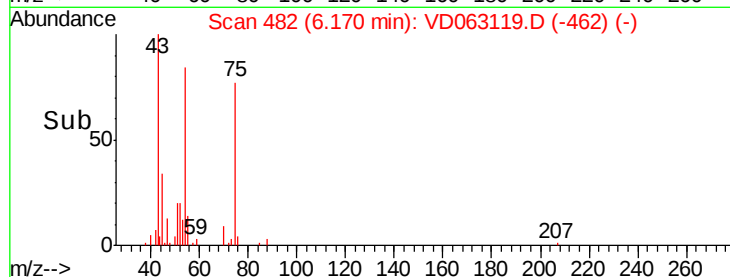
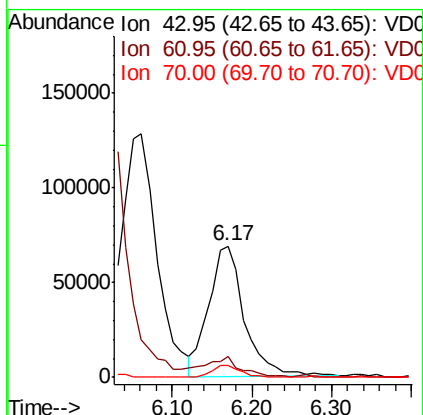
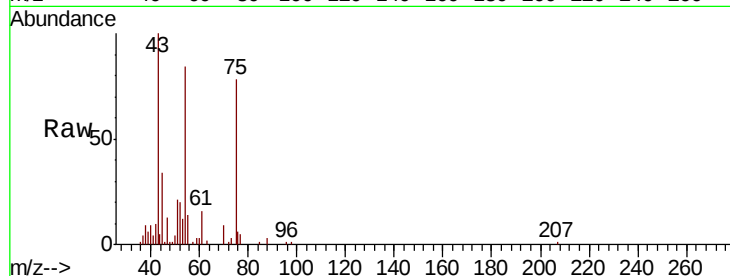




#37
Ethyl Acetate
Concen: 53.832 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

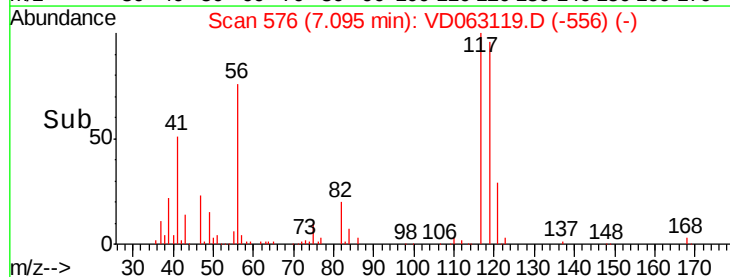
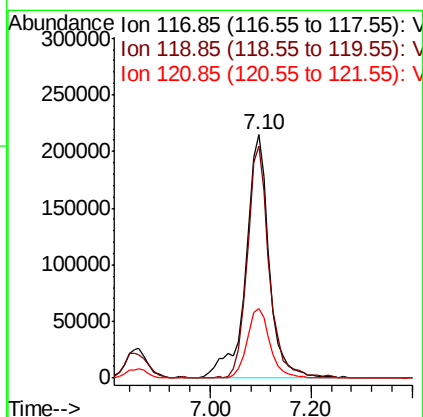
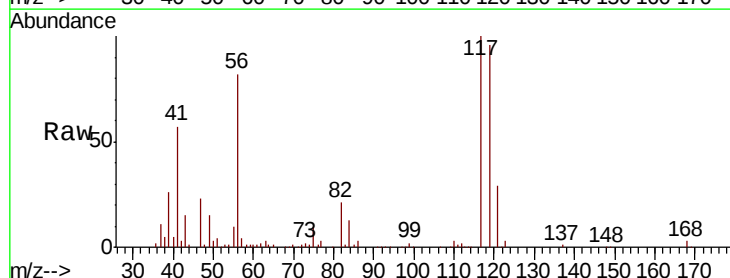
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

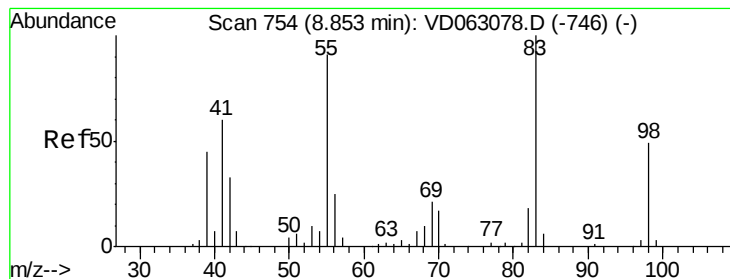
Tot Ion: 43 Resp: 215646
Ion Ratio Lower Upper
43 100
61 16.3 10.6 16.0#
70 8.6 6.6 9.8



#38
Carbon Tetrachloride
Concen: 48.069 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 117 Resp: 683681
Ion Ratio Lower Upper
117 100
119 95.6 80.0 120.0
121 28.6 25.0 37.4





#39

Methvlcvclohexane

Concen: 42.547 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

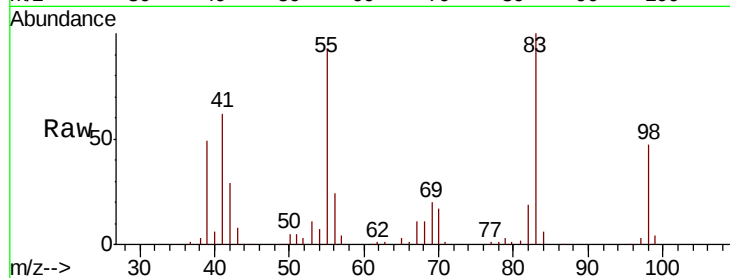
Tot Ion: 83 Resp: 344304

Ion Ratio Lower Upper

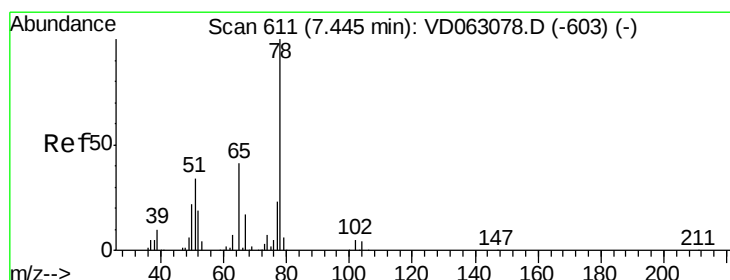
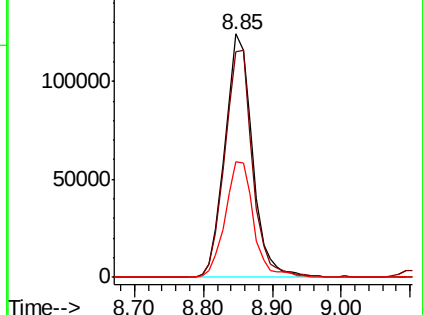
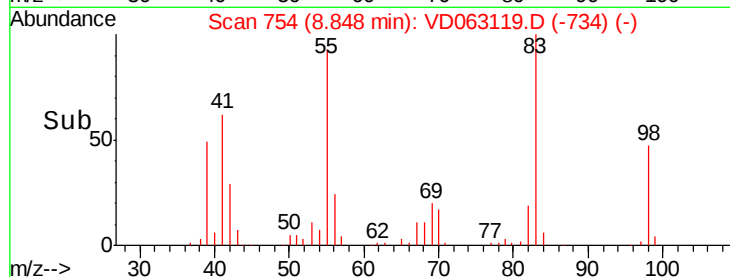
83 100

55 92.8 73.0 109.4

98 47.3 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 49.659 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063119.D

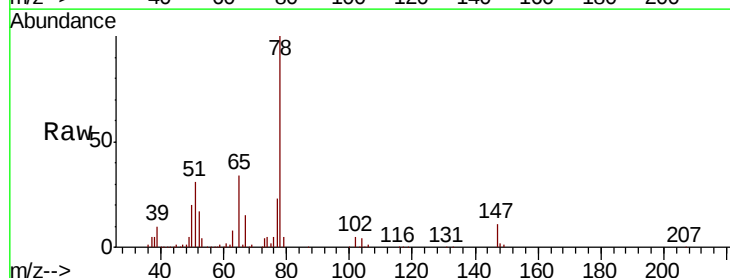
Acq: 16 Jul 2019 21:04

Tgt Ion: 78 Resp: 973514

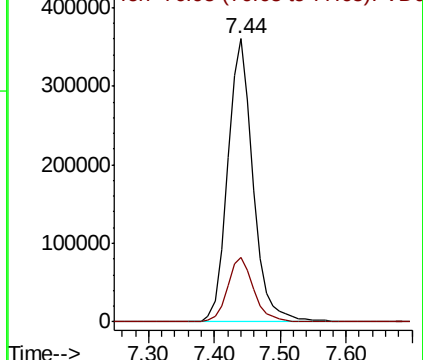
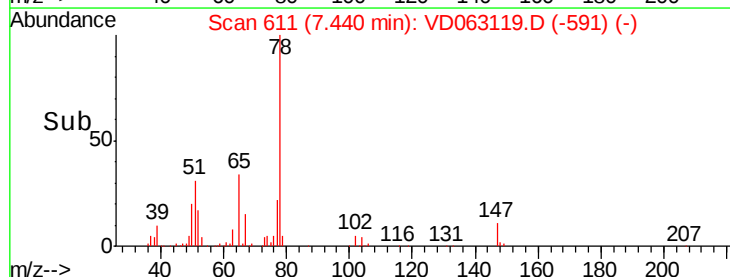
Ion Ratio Lower Upper

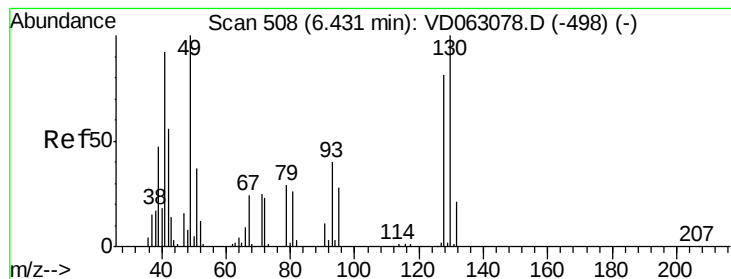
78 100

77 22.7 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 48.651 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 264229

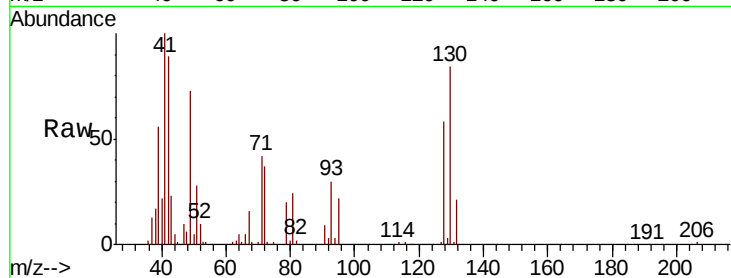
Ion Ratio Lower Upper

41 100

39 56.3 41.0 61.6

67 16.2 21.3 31.9#

52 10.0 10.5 15.7#

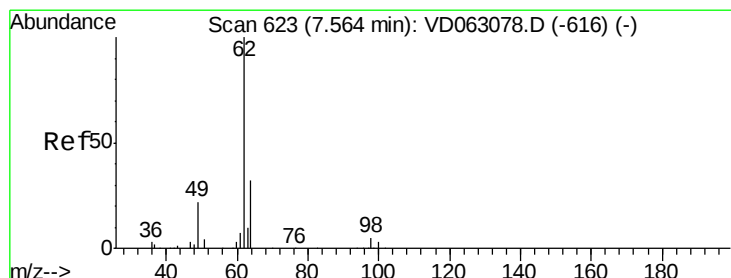
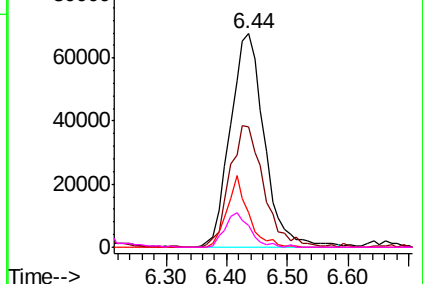
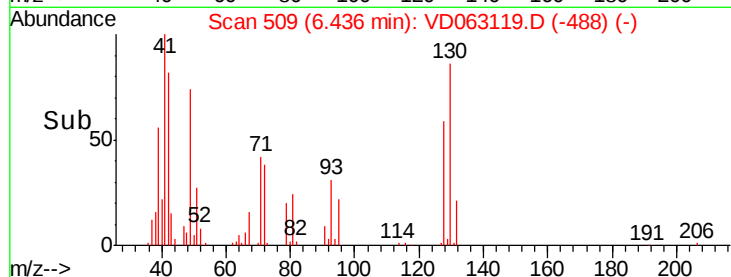


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 47.515 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063119.D

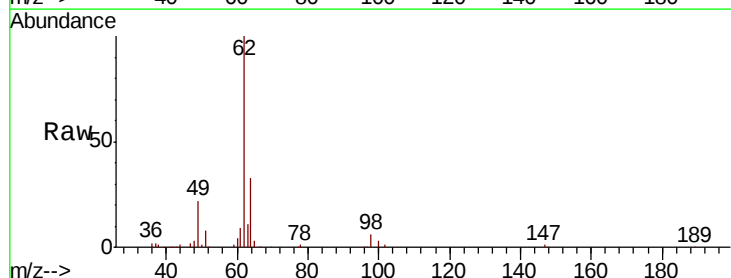
Acq: 16 Jul 2019 21:04

Tgt Ion: 62 Resp: 496265

Ion Ratio Lower Upper

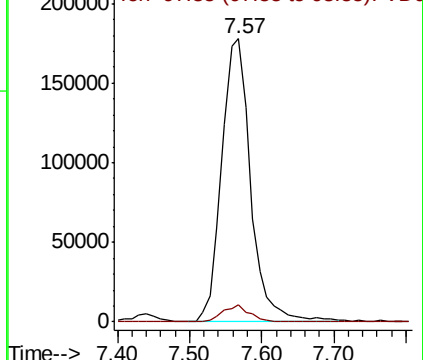
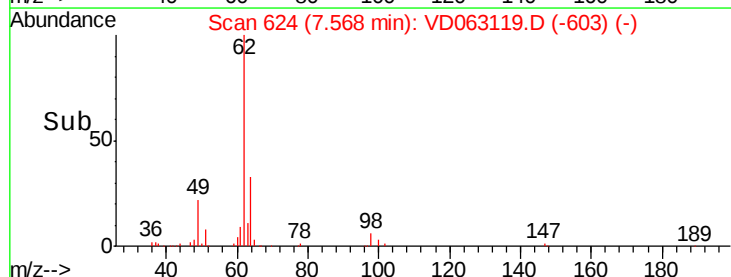
62 100

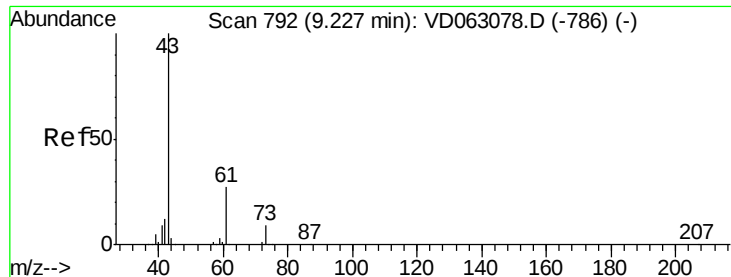
98 6.0 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

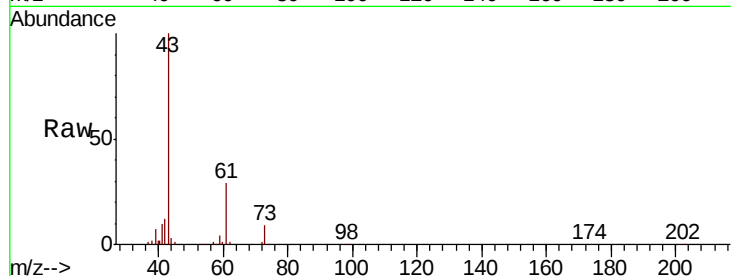




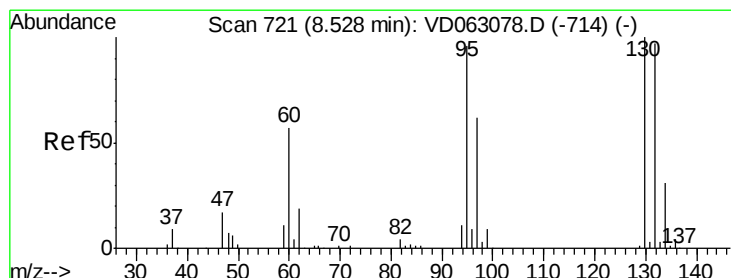
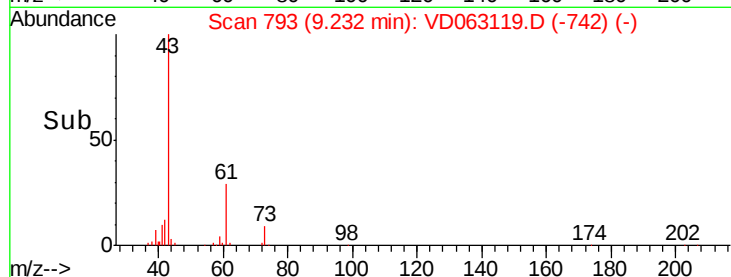
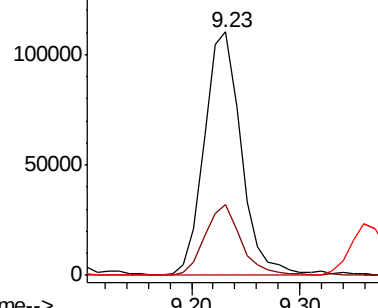
#43
Isopropyl Acetate
Concen: 45.691 ug/l
RT: 9.23 min Scan# 793
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 262353
Ion Ratio Lower Upper
43 100
61 29.2 21.7 32.5
87 0.0 0.2 0.4#

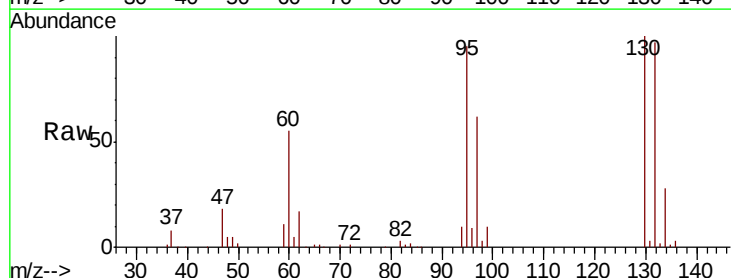


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

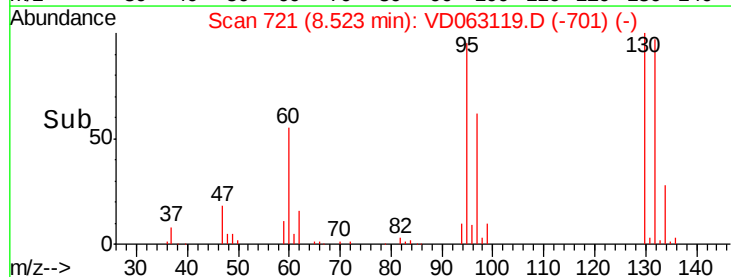
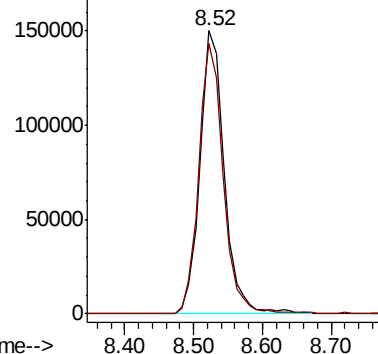


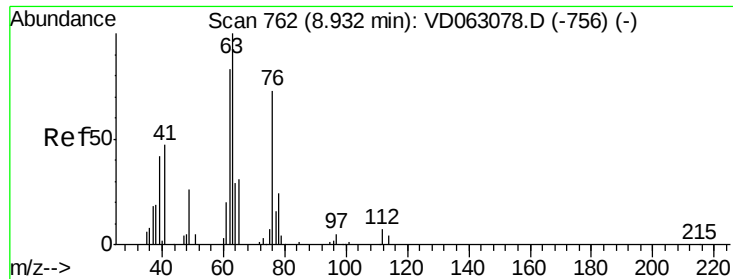
#44
Trichloroethene
Concen: 48.445 ug/l
RT: 8.52 min Scan# 721
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:130 Resp: 367031
Ion Ratio Lower Upper
130 100
95 95.4 0.0 191.4



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





#45

1,2-Dichloropropane

Concen: 47.323 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

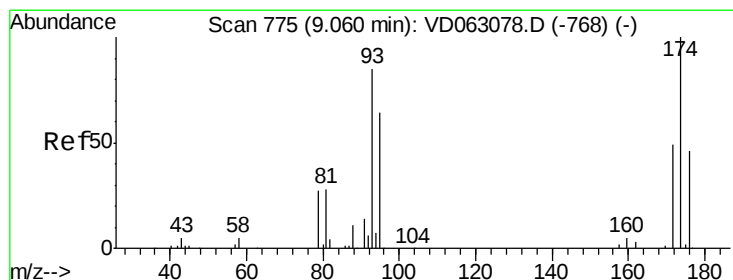
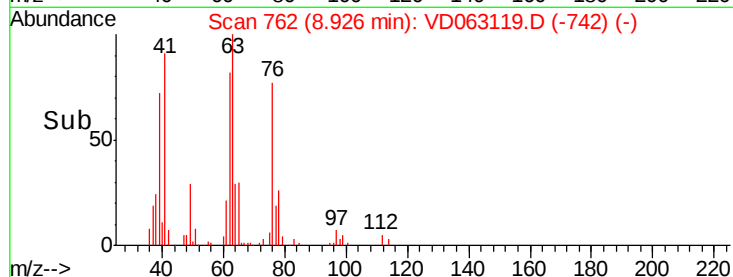
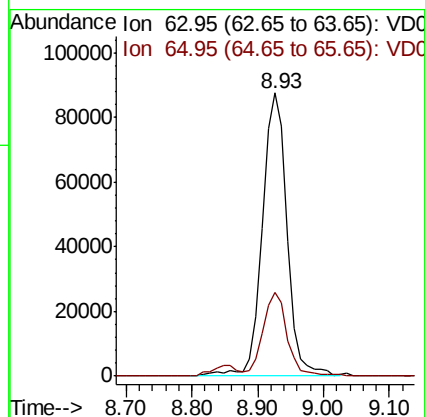
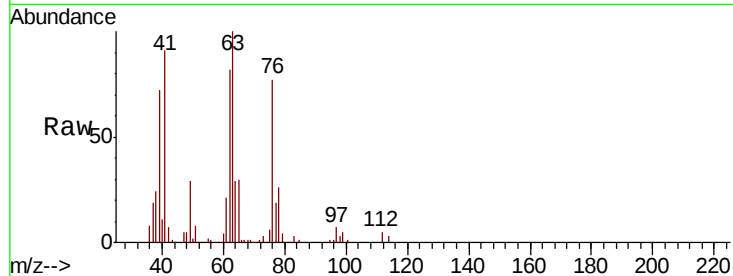
VSTDCCC050EC

Tot Ion: 63 Resp: 231303

Ion Ratio Lower Upper

63 100

65 29.7 26.3 39.5



#46

Dibromomethane

Concen: 49.002 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

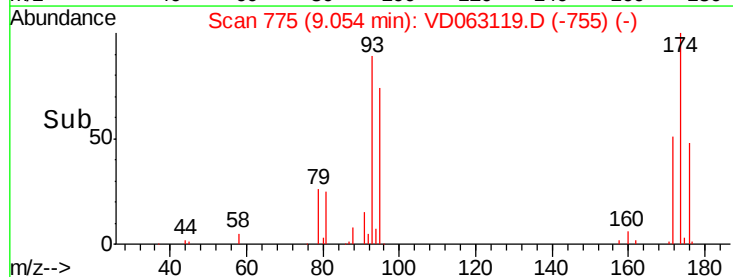
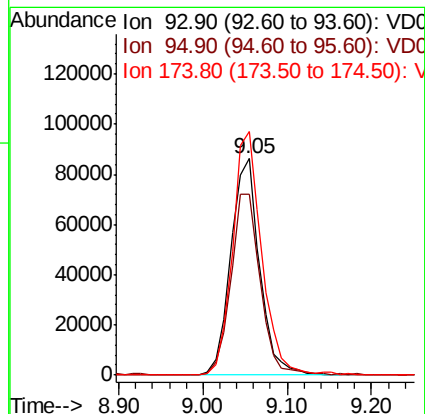
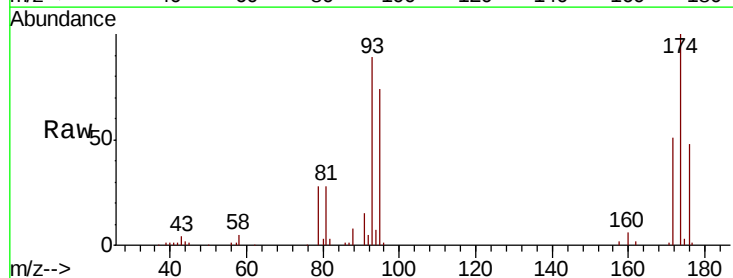
Tgt Ion: 93 Resp: 205816

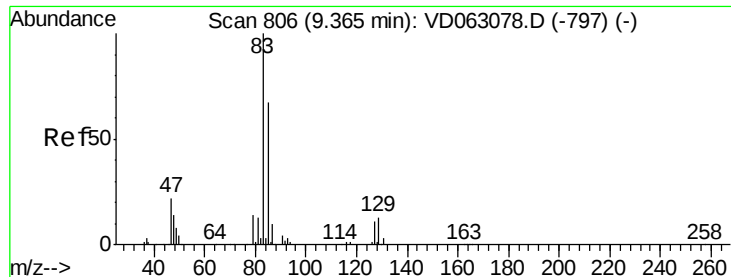
Ion Ratio Lower Upper

93 100

95 83.6 59.7 89.5

174 112.4 93.9 140.9





#47

Bromodichloromethane

Concen: 48.991 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

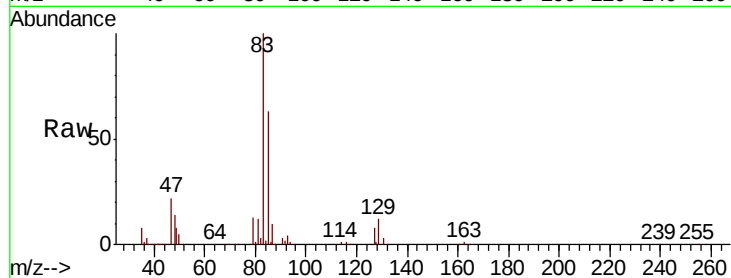
Tot Ion: 83 Resp: 536959

Ion Ratio Lower Upper

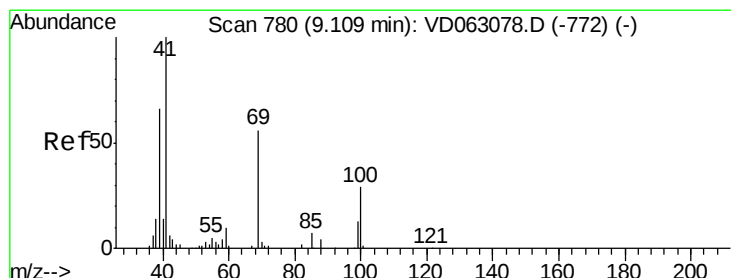
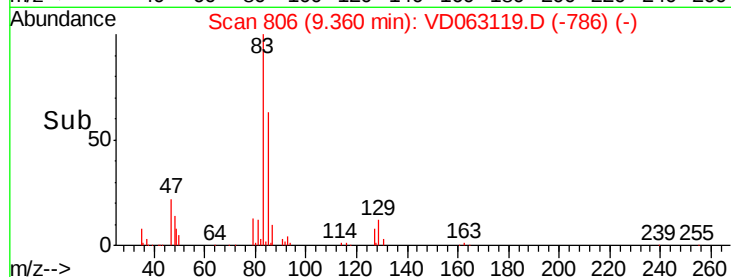
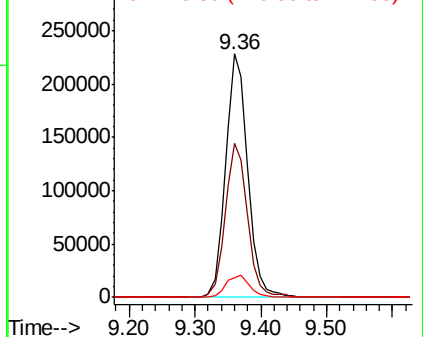
83 100

85 63.0 53.7 80.5

127 8.2 9.0 13.6#



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: 48.445 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

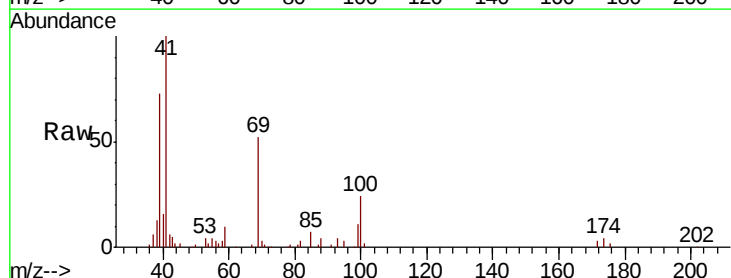
Tgt Ion: 41 Resp: 182669

Ion Ratio Lower Upper

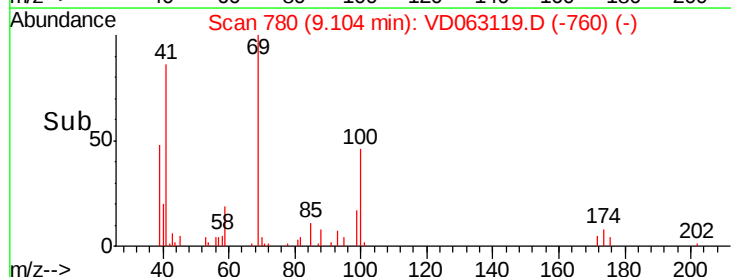
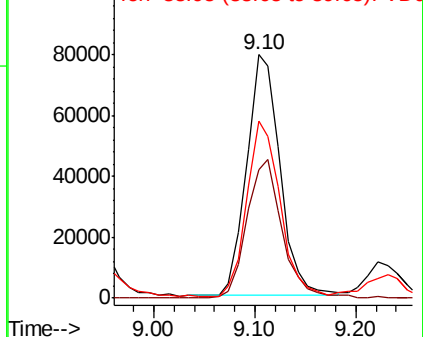
41 100

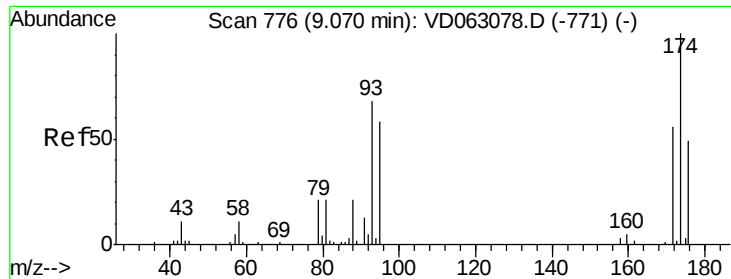
69 52.5 44.3 66.5

39 72.6 52.6 78.8



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

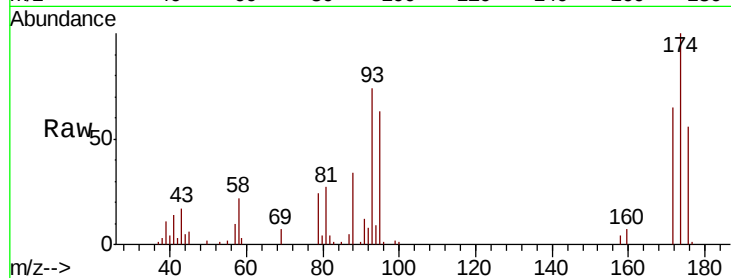




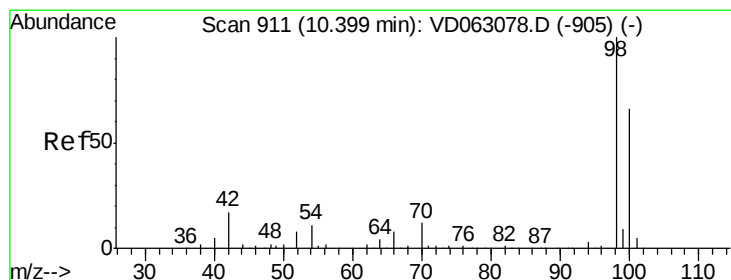
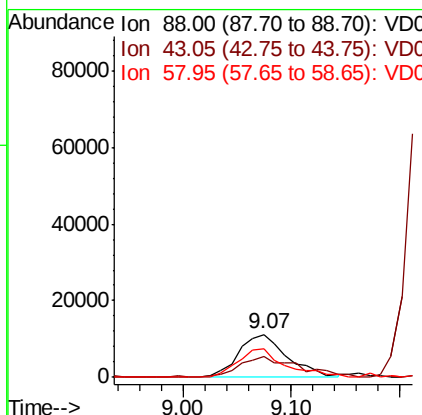
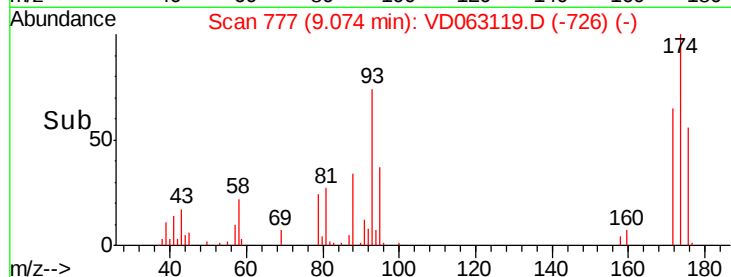
#49
1,4-Dioxane
Concen: 1072.997 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 34893
Ion Ratio Lower Upper
88 100
43 49.5 40.2 60.4
58 65.1 41.6 62.4#

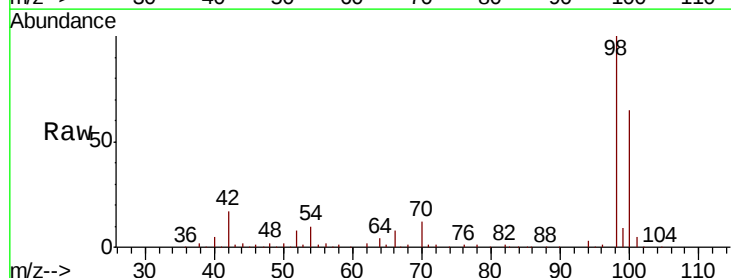


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

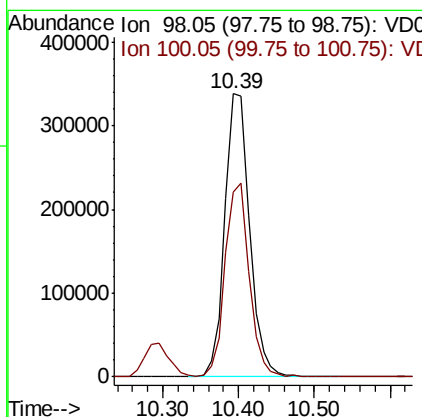
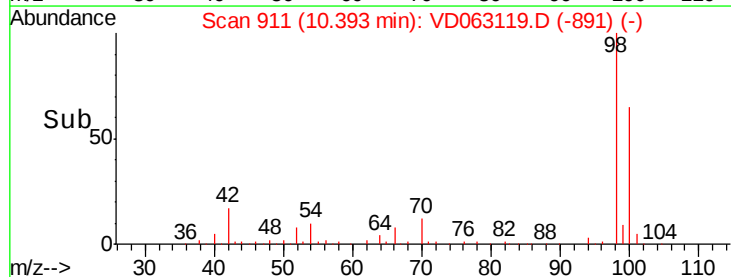


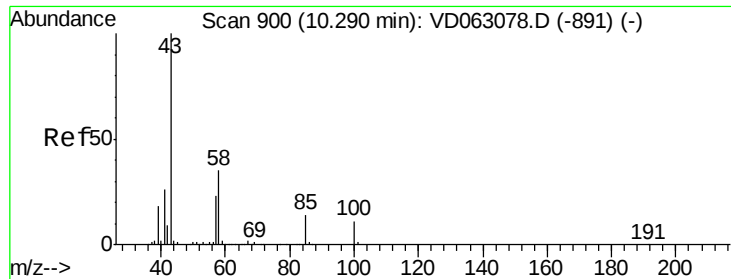
#50
Toluene-d8
Concen: 43.198 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 98 Resp: 769176
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



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

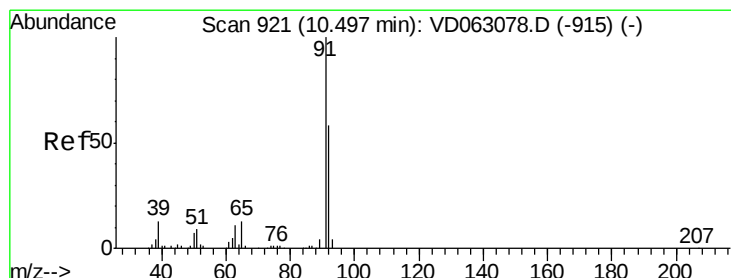
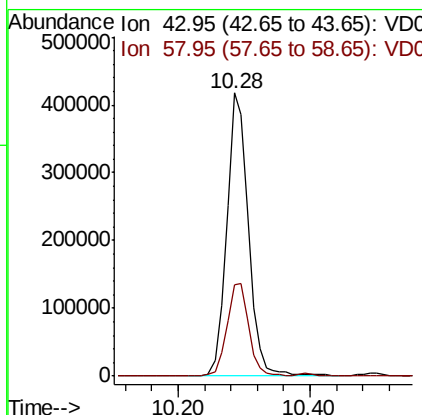
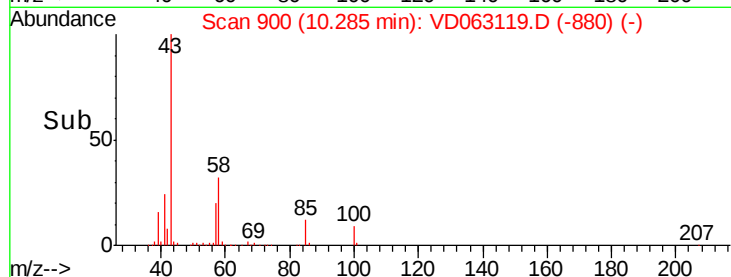
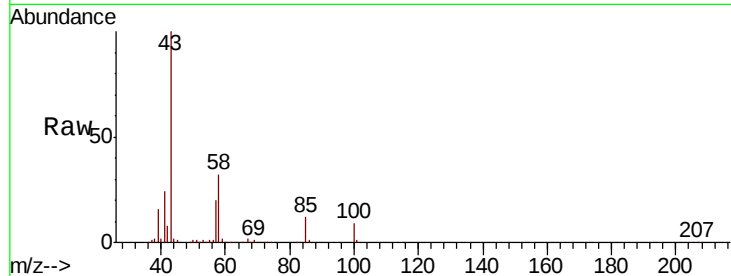




#51
 4-Methyl-2-Pentanone
 Concen: 252.566 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

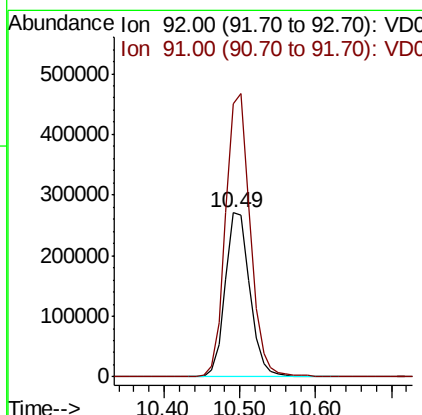
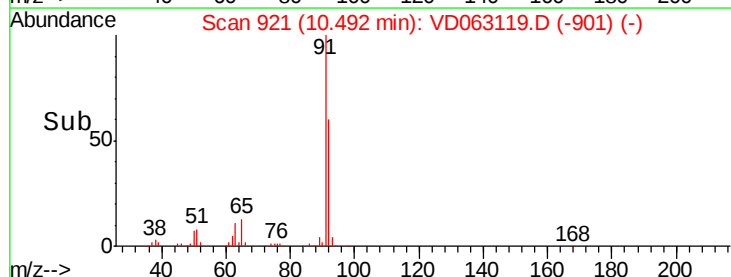
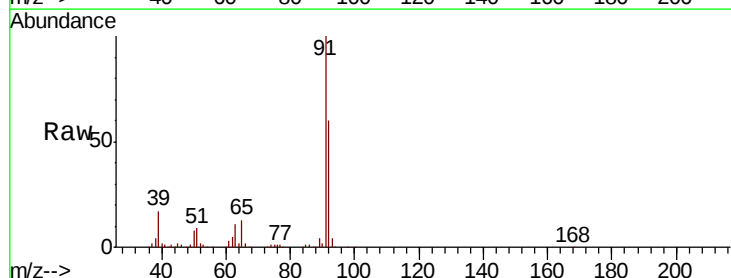
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

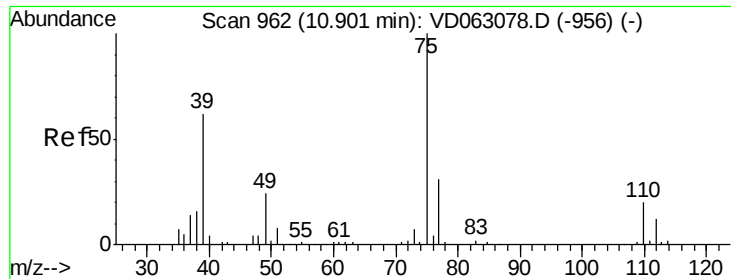
Tot Ion: 43 Resp: 961859
 Ion Ratio Lower Upper
 43 100
 58 32.5 27.8 41.6



#52
 Toluene
 Concen: 46.562 ug/l
 RT: 10.49 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 92 Resp: 609542
 Ion Ratio Lower Upper
 92 100
 91 166.8 137.9 206.9

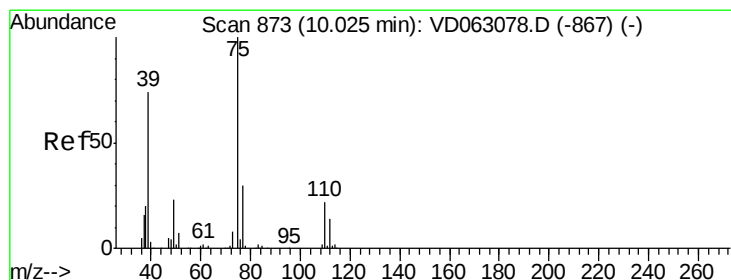
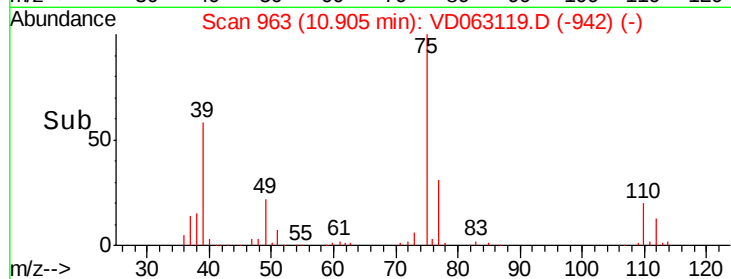
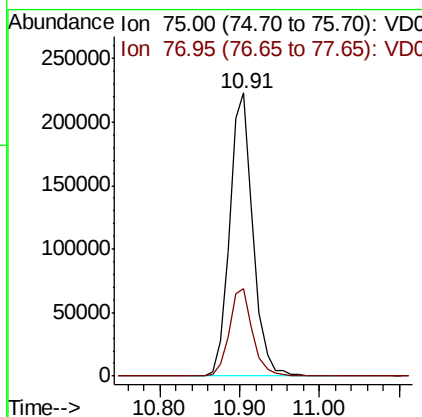
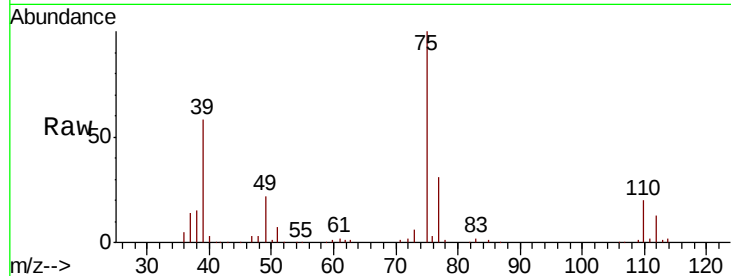




#53
 t-1,3-Dichloropropene
 Concen: 48.337 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

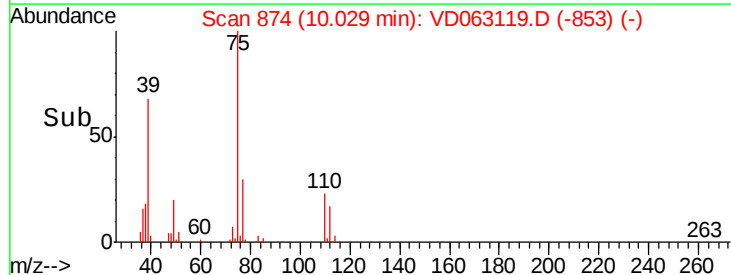
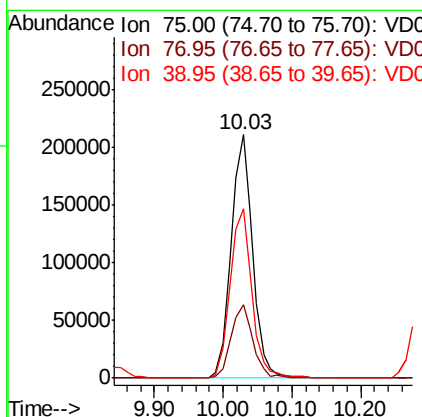
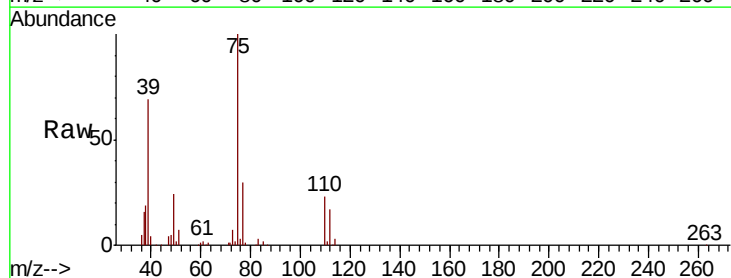
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

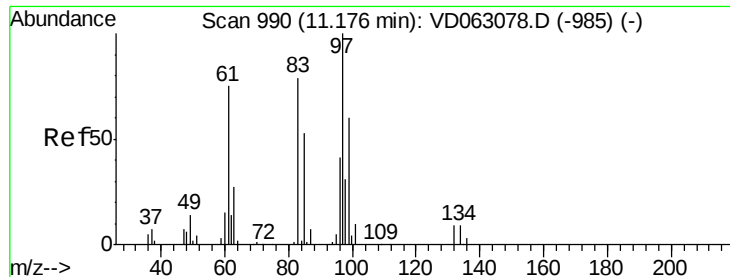
Tot Ion: 75 Resp: 453899
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 46.835 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 75 Resp: 454743
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.9 35.9
 39 69.4 59.4 89.0





#55

1,1,2-Trichloroethane

Concen: 50.344 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 227756

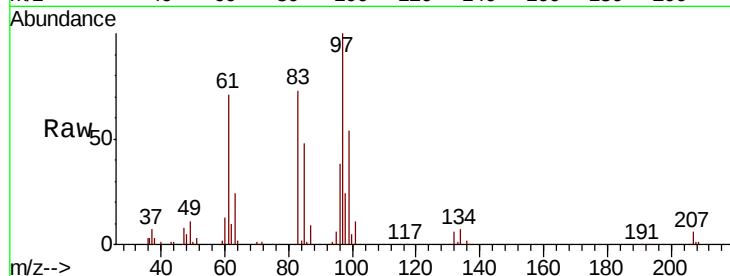
Ion Ratio Lower Upper

97 100

83 73.2 63.2 94.8

85 48.4 42.0 63.0

99 53.8 48.3 72.5

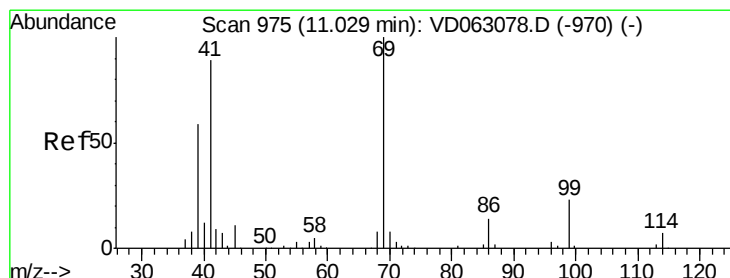
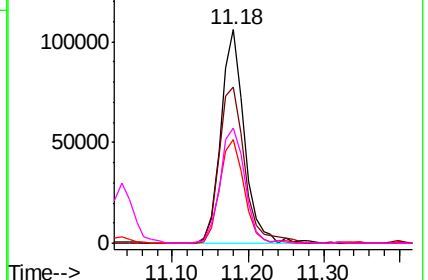
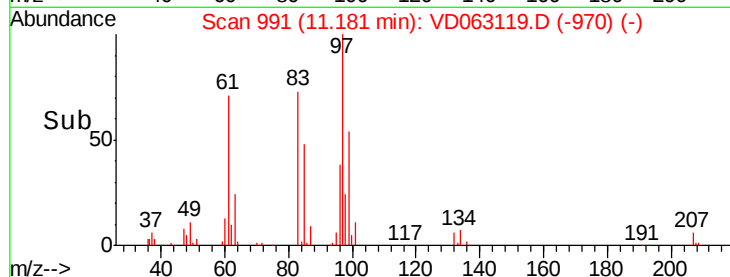


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 48.669 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

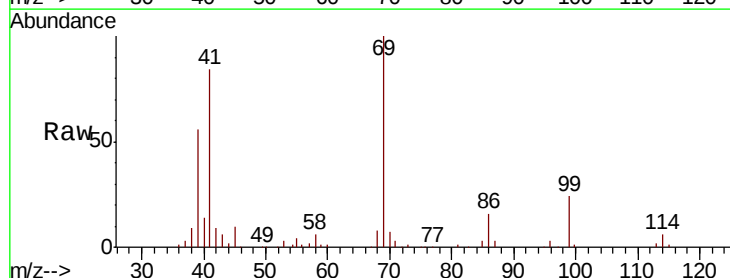
Tgt Ion: 69 Resp: 246006

Ion Ratio Lower Upper

69 100

41 84.0 71.0 106.4

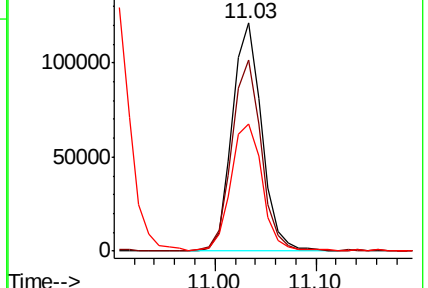
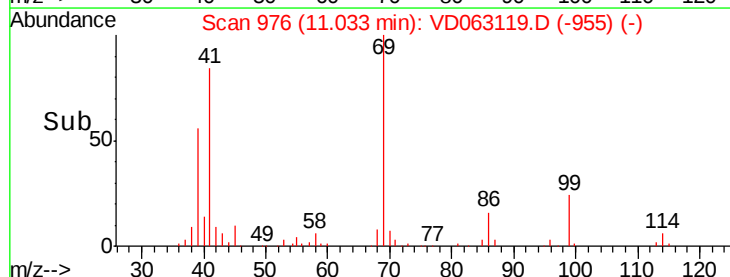
39 55.8 47.7 71.5

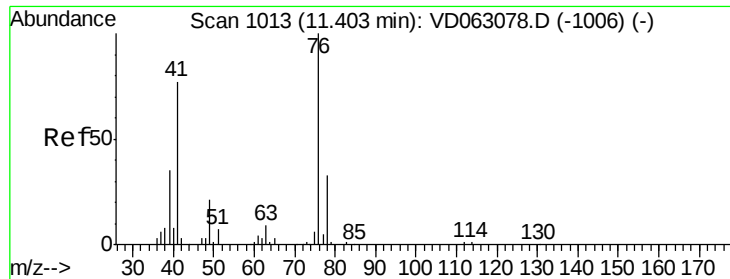


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.707 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

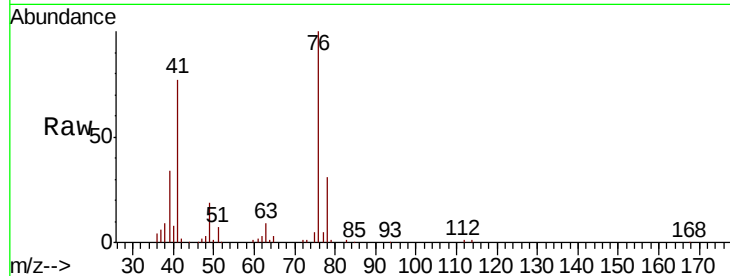
VSTDCCC050EC

Tot Ion: 76 Resp: 349066

Ion Ratio Lower Upper

76 100

78 30.8 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

200000

150000

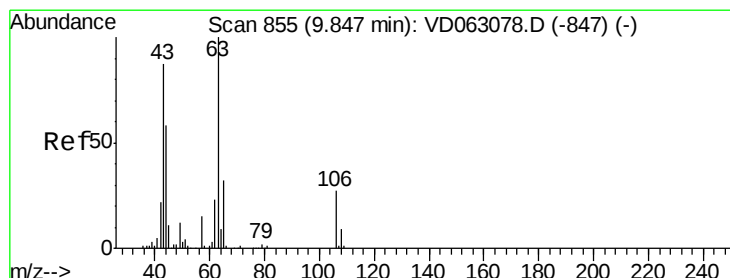
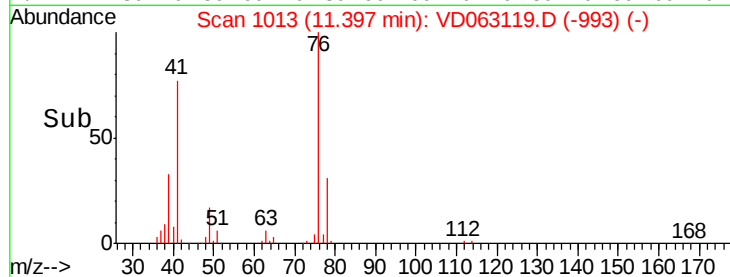
100000

50000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 250.924 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063119.D

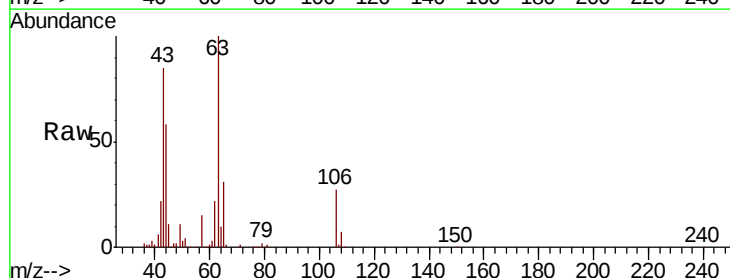
Acq: 16 Jul 2019 21:04

Tgt Ion: 63 Resp: 706223

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.84

300000

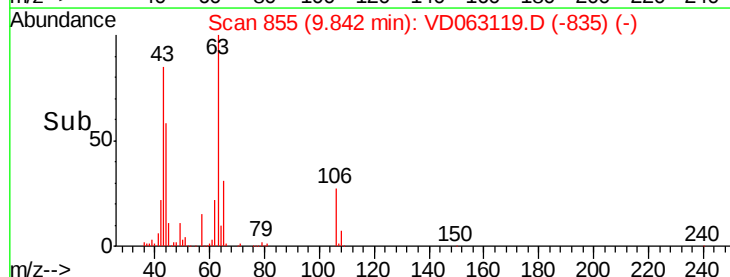
200000

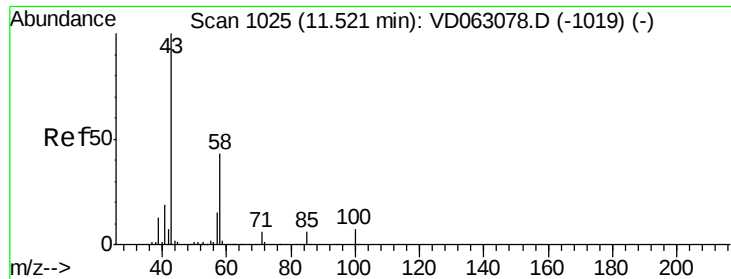
100000

0

Time-->

9.70 9.80 9.90 10.00

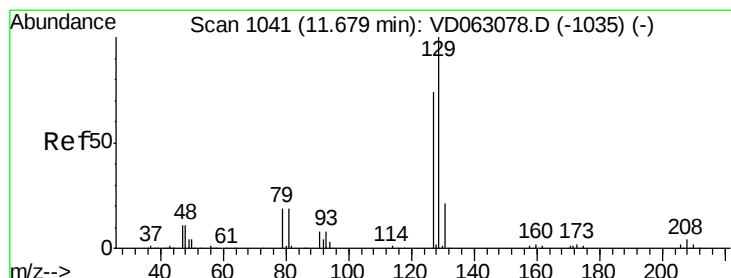
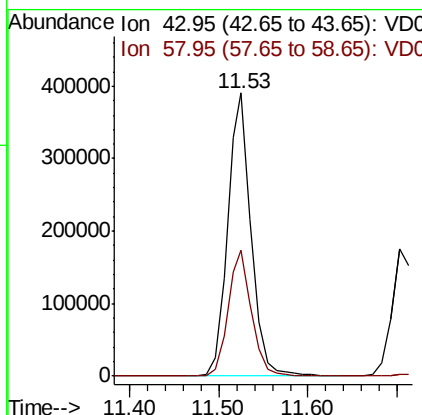
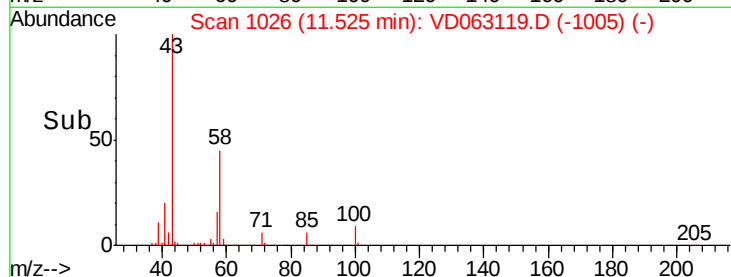
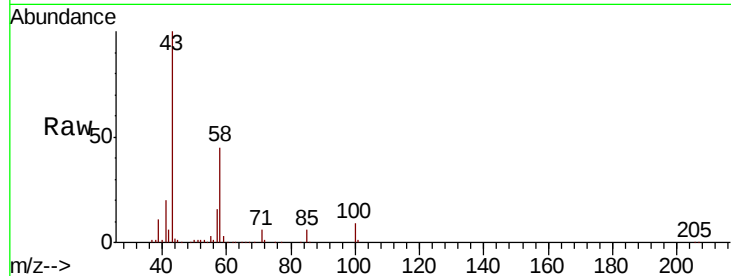




#59
2-Hexanone
Concen: 245.031 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

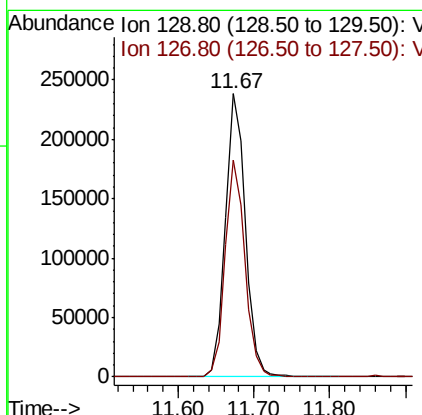
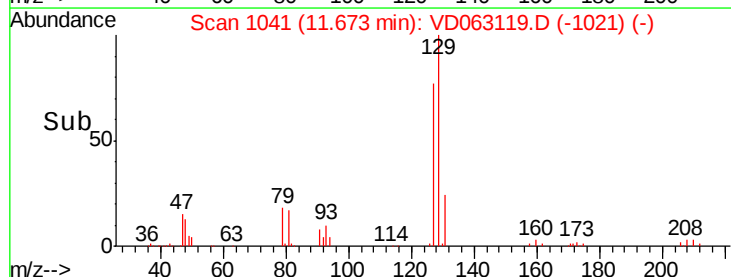
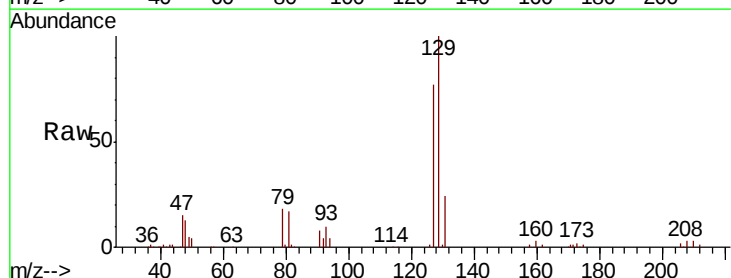
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

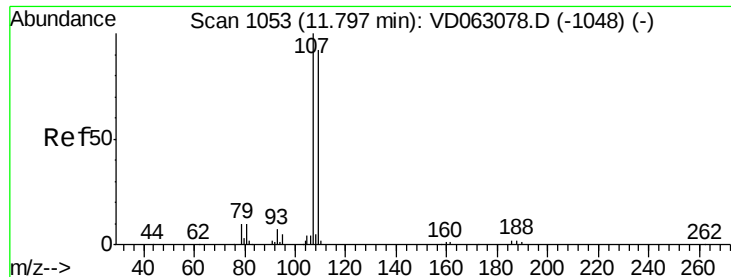
Tot Ion: 43 Resp: 719663
Ion Ratio Lower Upper
43 100
58 44.6 21.7 65.1



#60
Dibromochloromethane
Concen: 50.247 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 129 Resp: 435743
Ion Ratio Lower Upper
129 100
127 76.7 37.0 110.9

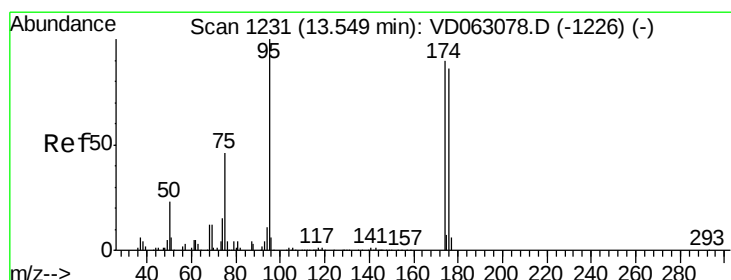
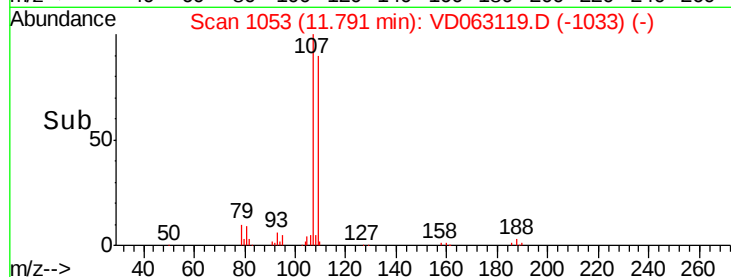
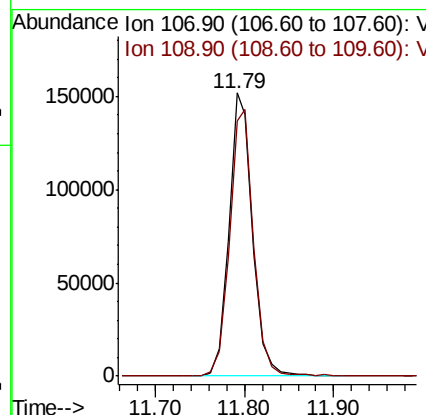
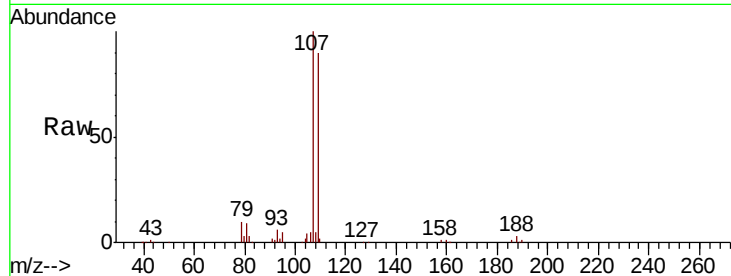




#61
 1,2-Dibromoethane
 Concen: 51.920 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

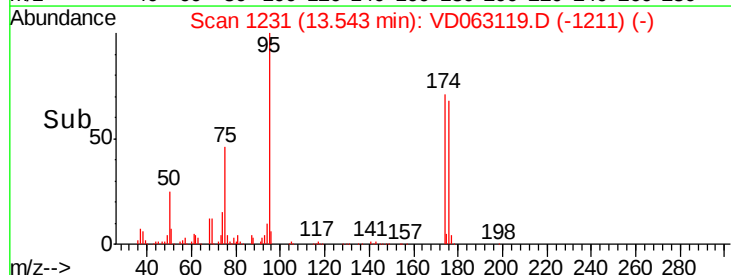
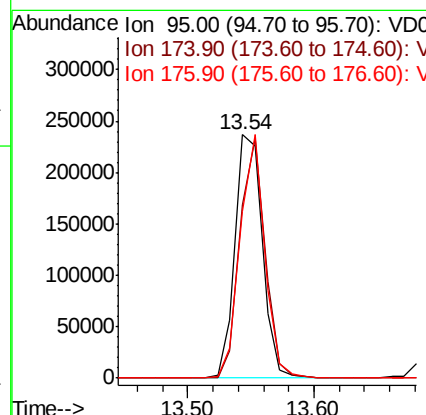
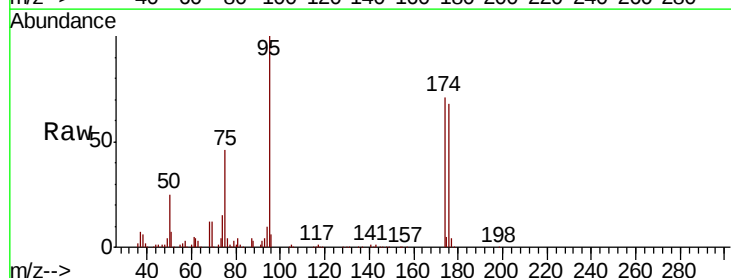
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

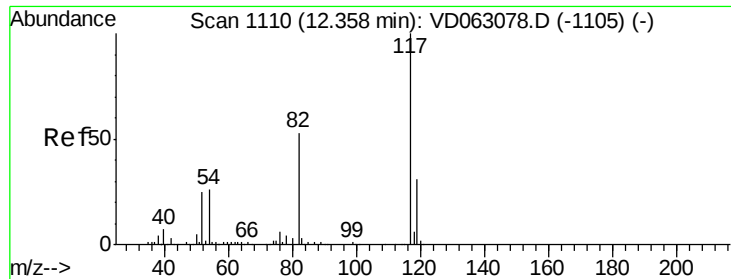
Tot Ion:107 Resp: 281161
 Ion Ratio Lower Upper
 107 100
 109 90.3 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 42.884 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 95 Resp: 353264
 Ion Ratio Lower Upper
 95 100
 174 71.0 0.0 180.6
 176 68.4 0.0 172.2

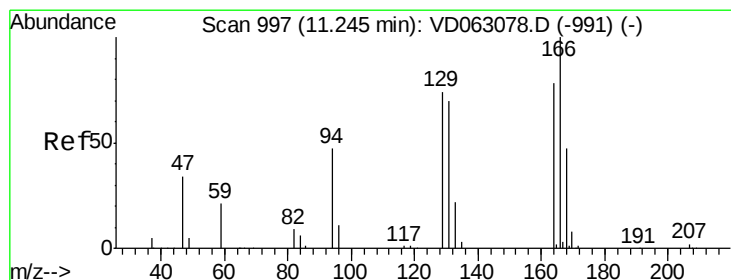
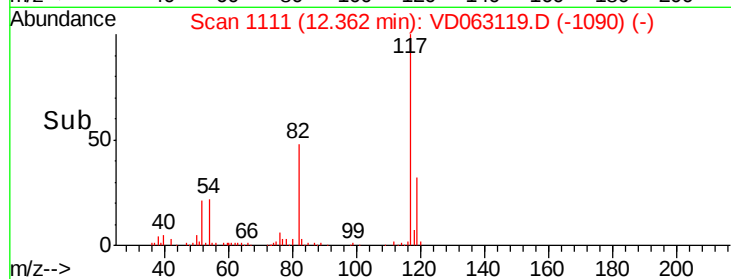
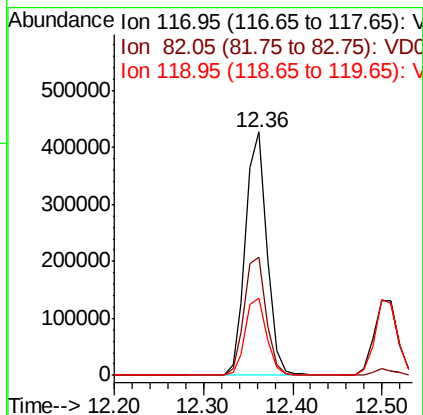
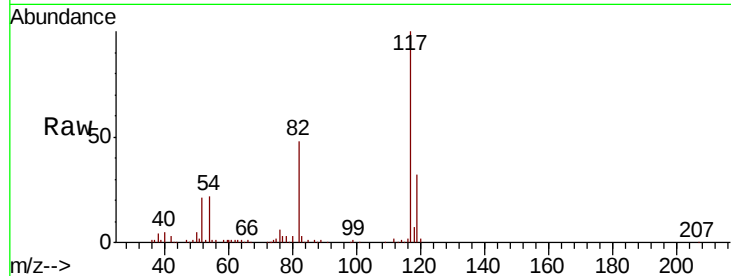




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

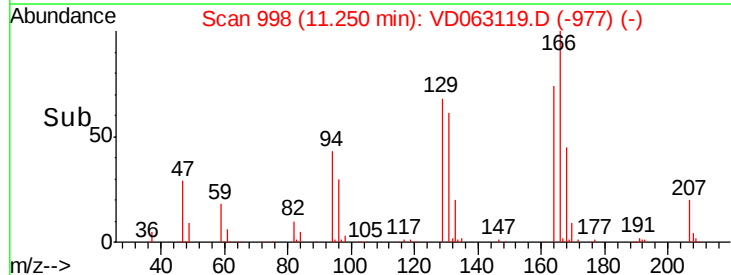
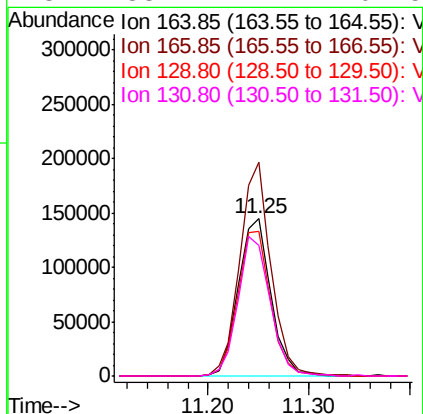
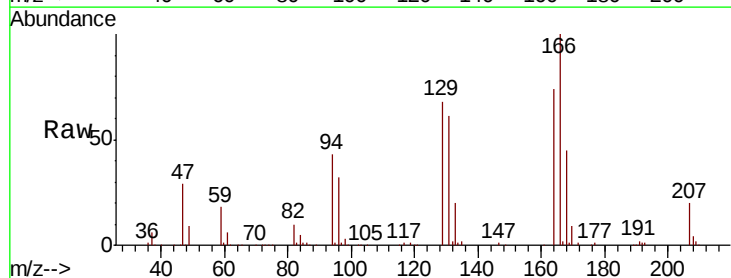
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

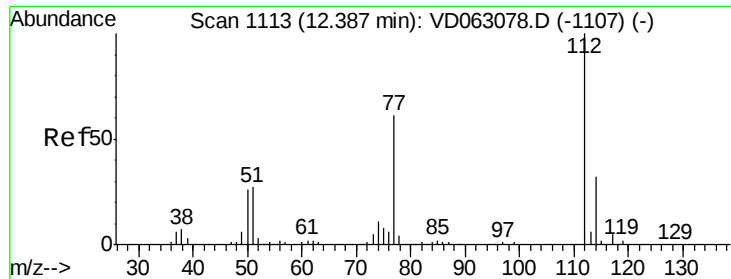
Tot Ion:117 Resp: 712271
Ion Ratio Lower Upper
117 100
82 48.4 42.3 63.5
119 31.7 25.2 37.8



#64
Tetrachloroethene
Concen: 46.936 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:164 Resp: 324394
Ion Ratio Lower Upper
164 100
166 135.8 102.8 154.2
129 91.9 76.4 114.6
131 83.2 71.7 107.5

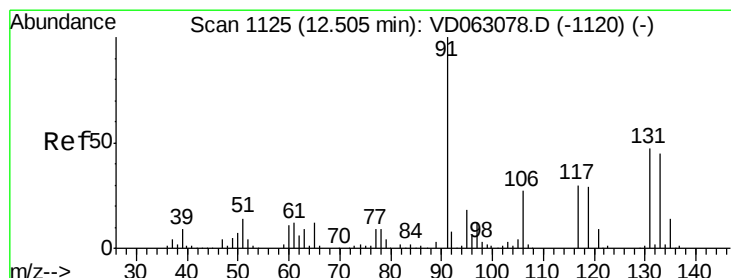
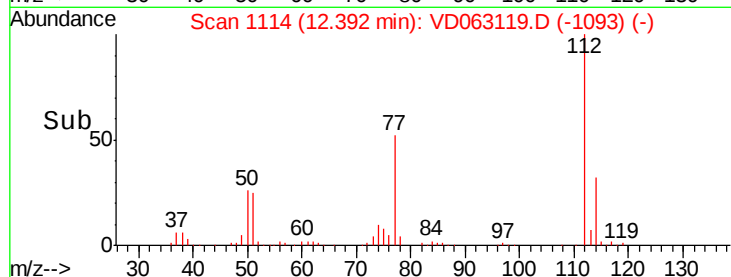
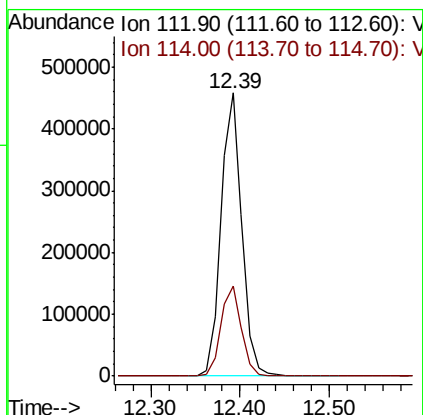
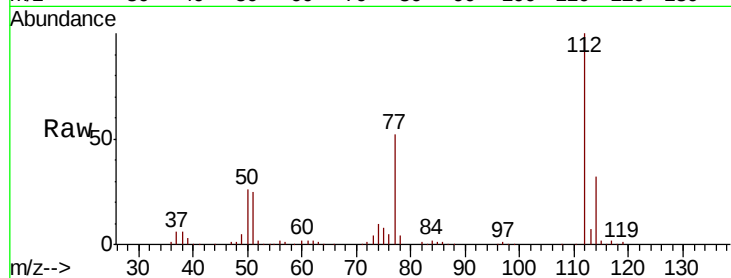




#65
Chlorobenzene
Concen: 44.987 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

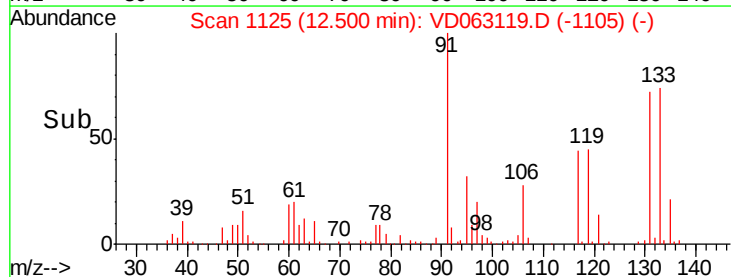
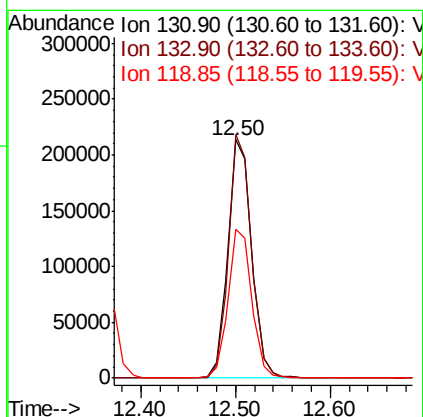
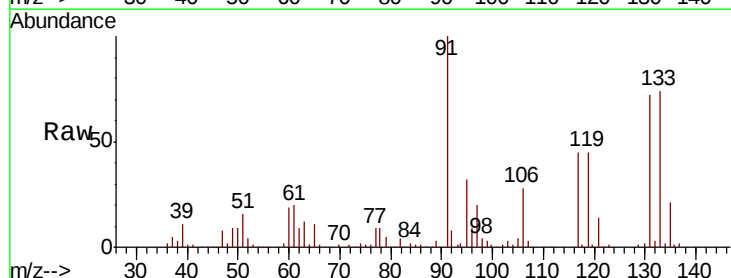
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

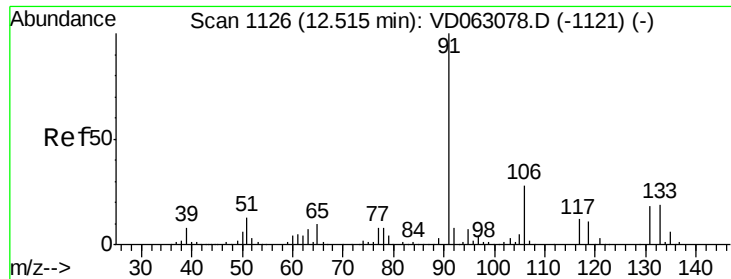
Tot Ion:112 Resp: 753235
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.721 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:131 Resp: 370444
Ion Ratio Lower Upper
131 100
133 102.3 48.5 145.6
119 62.7 30.8 92.3

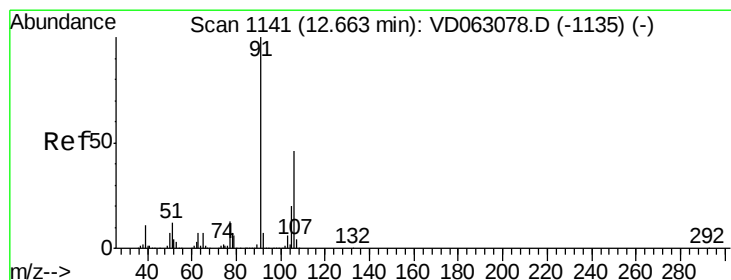
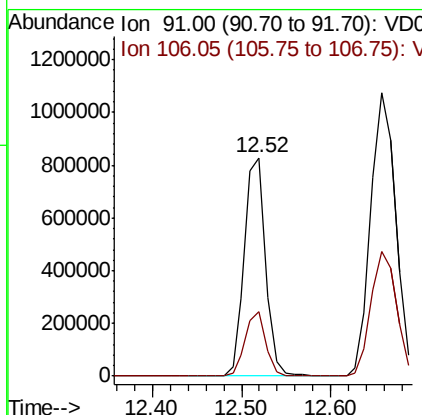
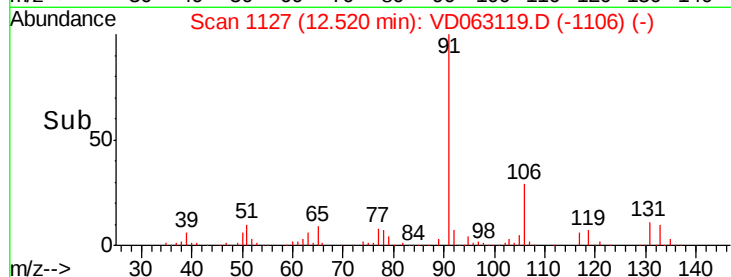
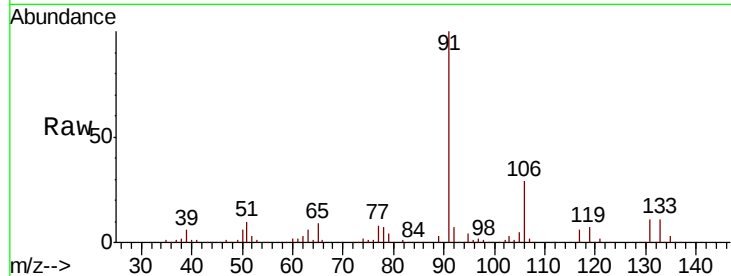




#67
Ethyl Benzene
Concen: 47.083 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

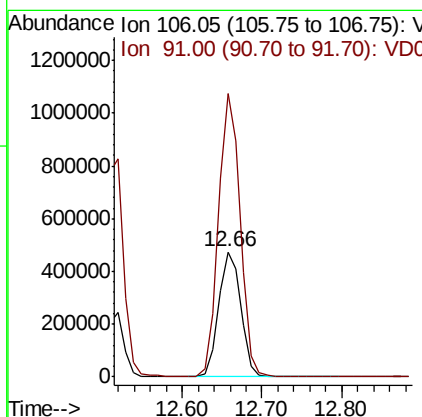
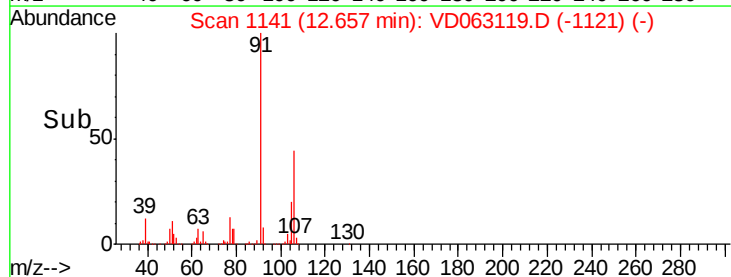
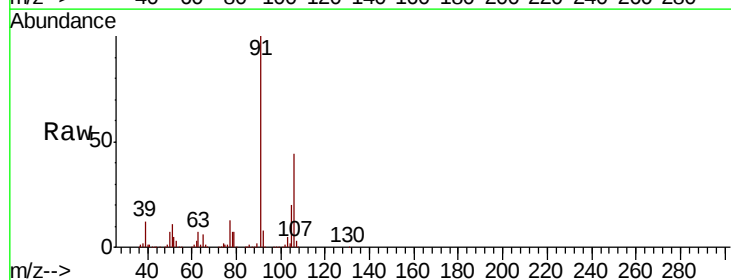
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

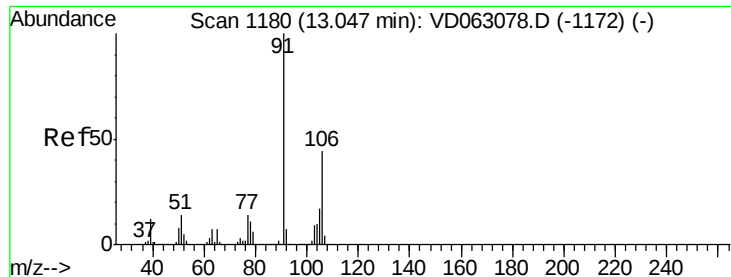
Tot Ion: 91 Resp: 1369732
Ion Ratio Lower Upper
91 100
106 29.3 22.5 33.7



#68
m/p-Xylenes
Concen: 89.733 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 106 Resp: 935011
Ion Ratio Lower Upper
106 100
91 226.9 173.0 259.6

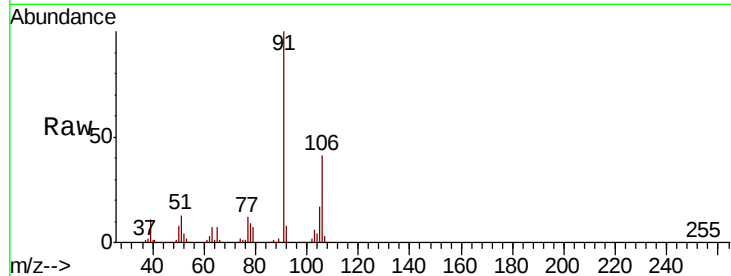




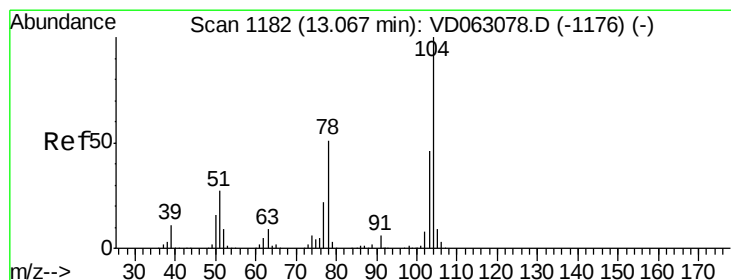
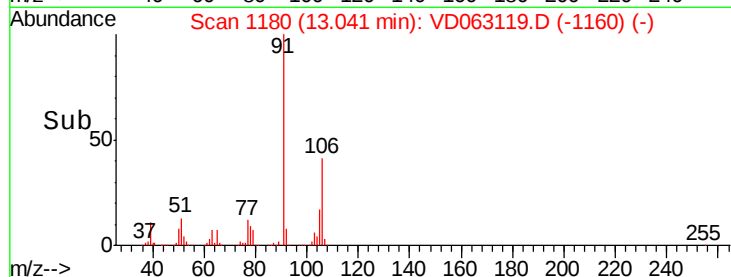
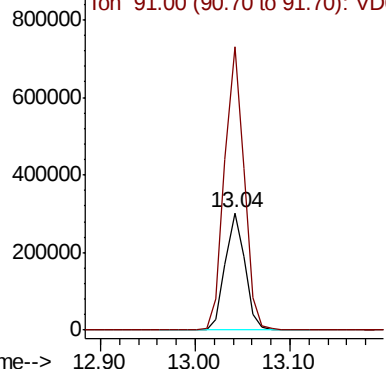
#69
o-Xylene
Concen: 44.435 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 439028
Ion Ratio Lower Upper
106 100
91 241.7 114.9 344.7

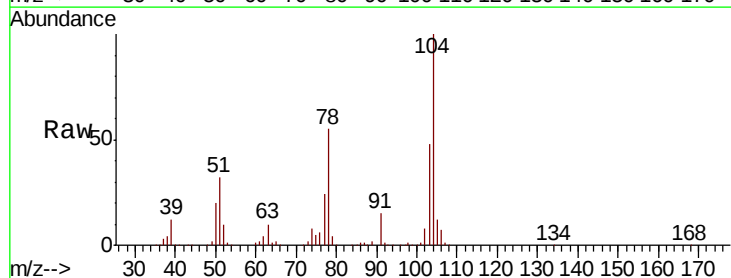


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

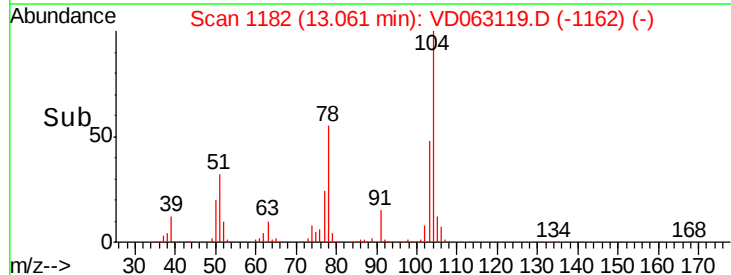
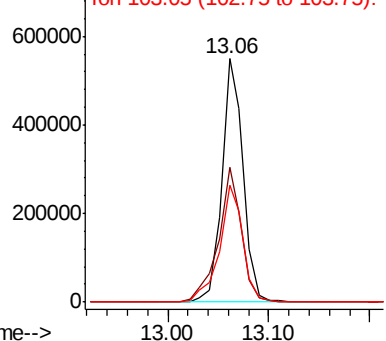


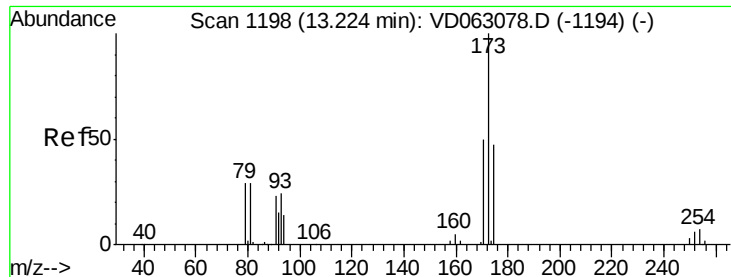
#70
Styrene
Concen: 46.444 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:104 Resp: 803229
Ion Ratio Lower Upper
104 100
78 55.4 41.1 61.7
103 48.2 37.0 55.6



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

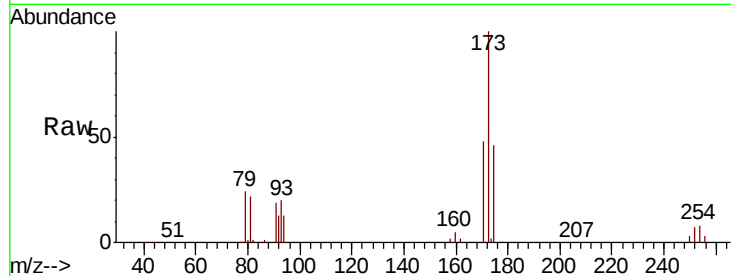




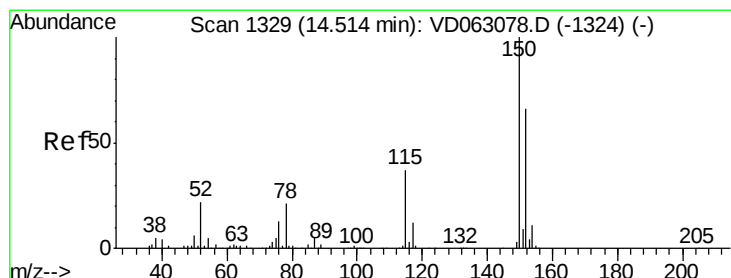
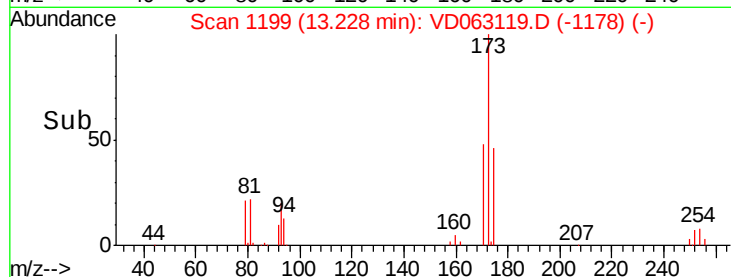
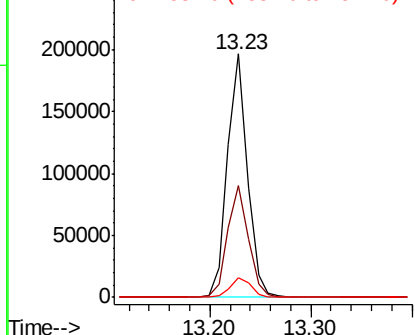
#71
Bromoform
Concen: 49.773 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 270499
Ion Ratio Lower Upper
173 100
175 45.8 23.4 70.2
254 7.8 5.4 8.0

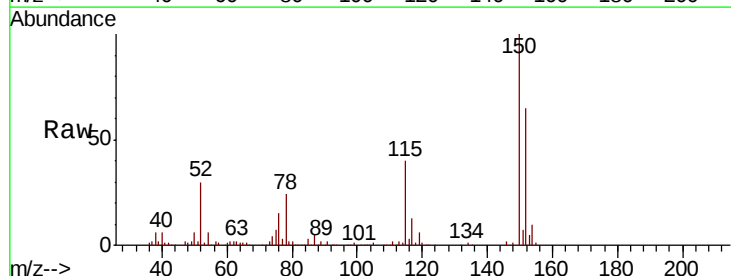


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

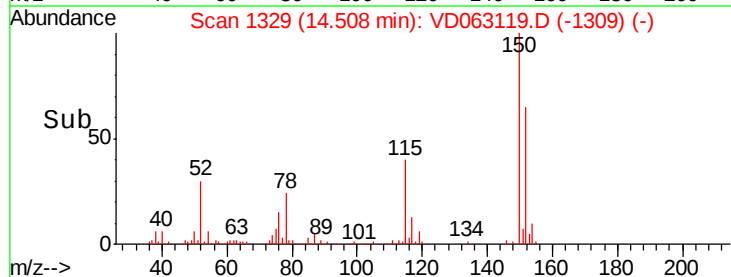
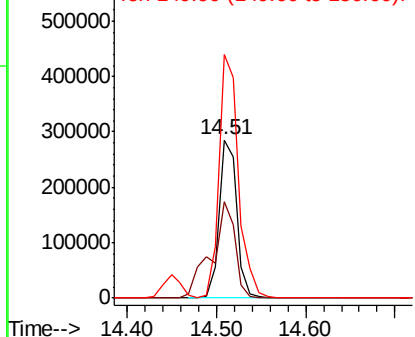


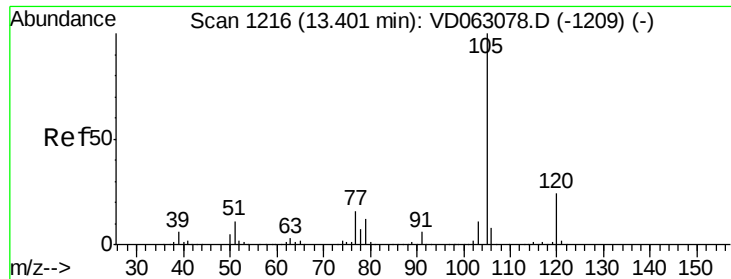
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:152 Resp: 395689
Ion Ratio Lower Upper
152 100
115 61.3 28.9 86.8
150 154.2 0.0 313.8



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: 45.654 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

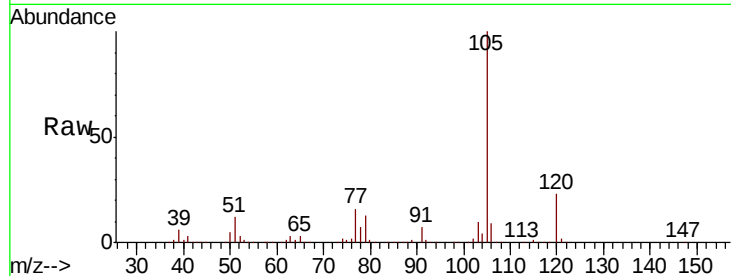
VSTDCCC050EC

Tot Ion:105 Resp: 1395106

Ion Ratio Lower Upper

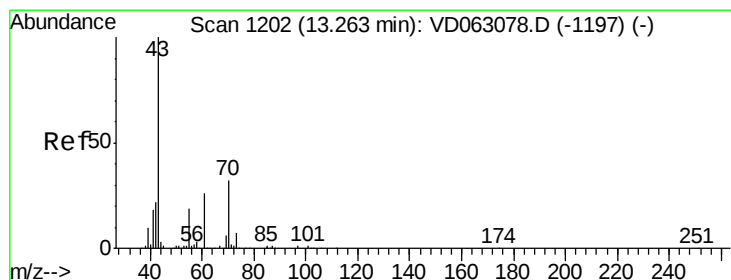
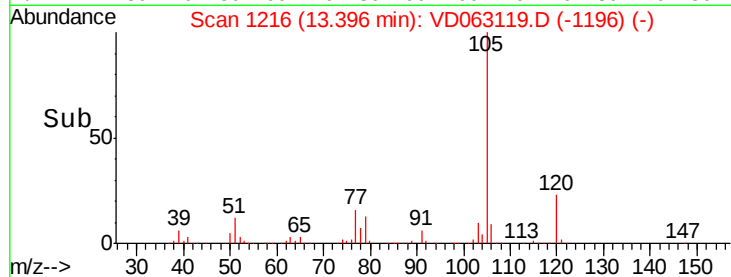
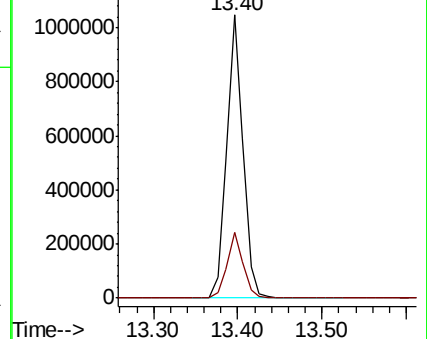
105 100

120 23.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.506 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Tgt Ion: 43 Resp: 396336

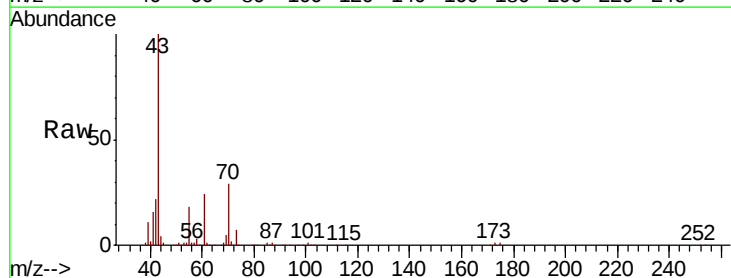
Ion Ratio Lower Upper

43 100

70 28.9 25.5 38.3

55 18.1 15.4 23.0

61 24.2 20.6 31.0

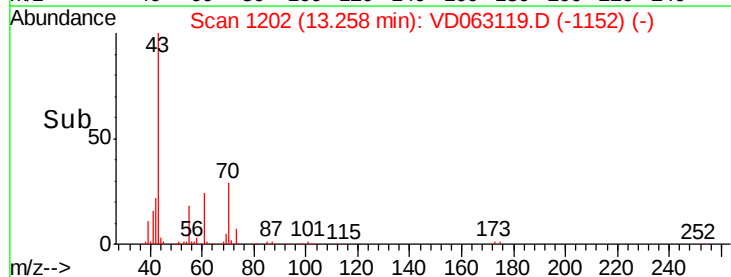
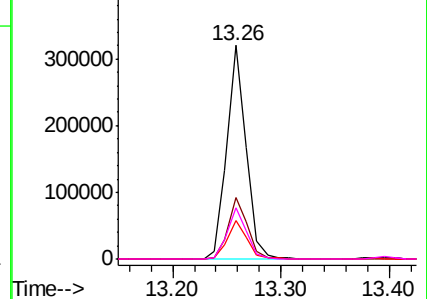


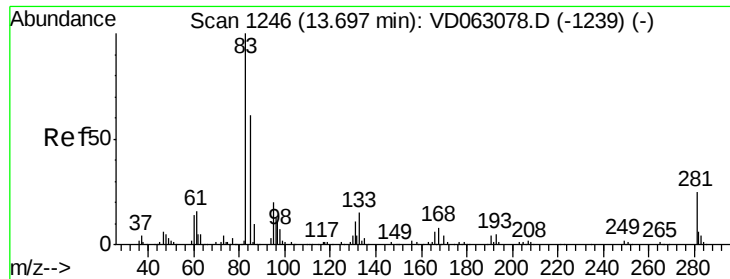
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.998 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

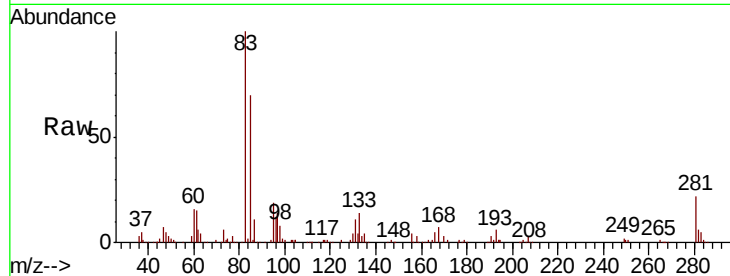
Tot Ion: 83 Resp: 261298

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

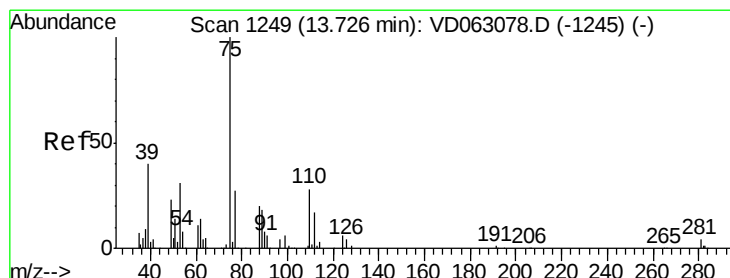
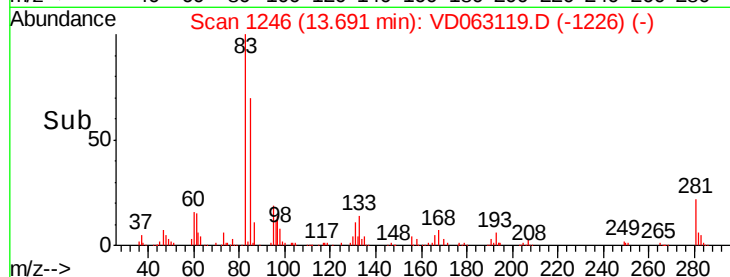
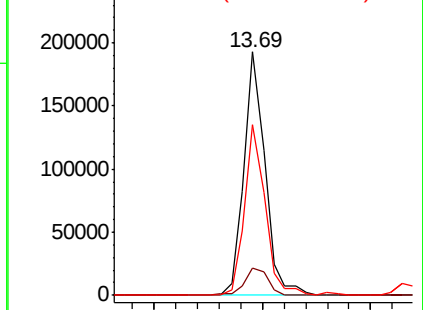
85 70.0 30.7 92.1



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: 47.766 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063119.D

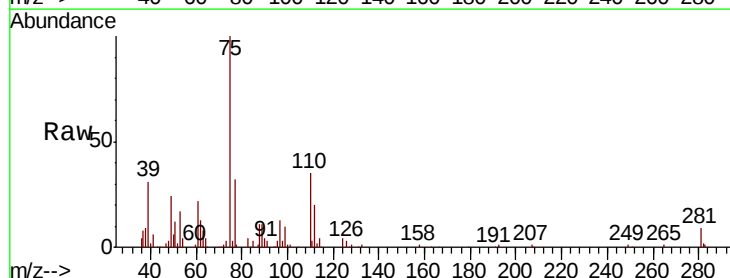
Acq: 16 Jul 2019 21:04

Tgt Ion: 75 Resp: 290745

Ion Ratio Lower Upper

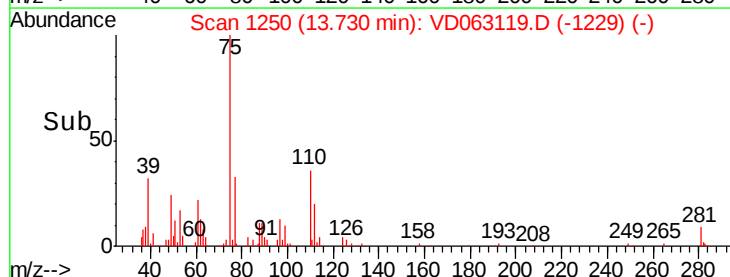
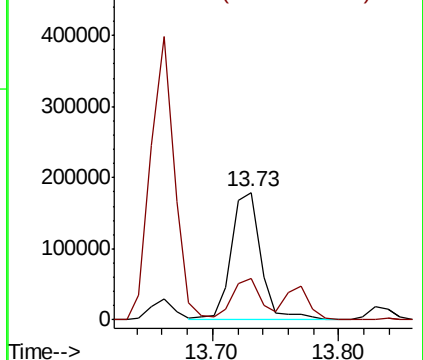
75 100

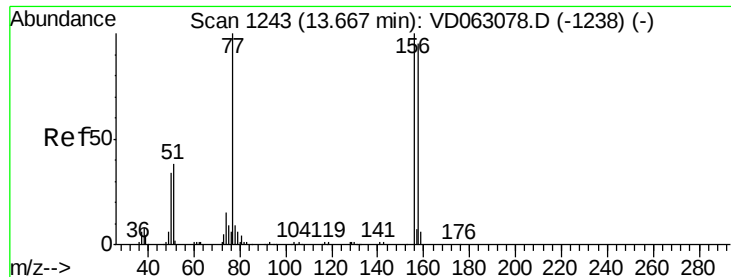
77 32.2 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 46.302 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

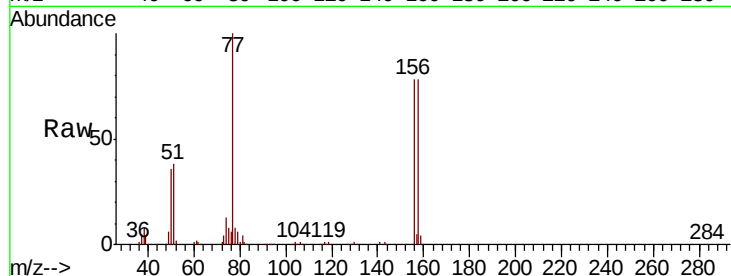
Tot Ion:156 Resp: 401241

Ion Ratio Lower Upper

156 100

77 128.1 50.2 150.7

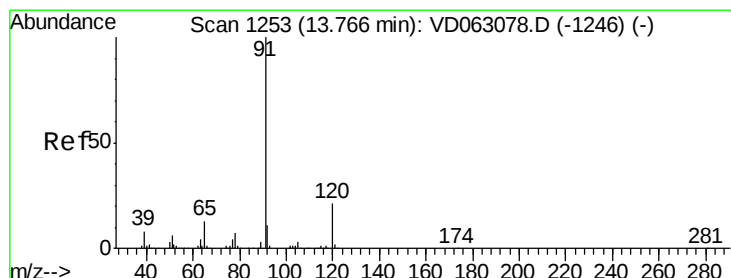
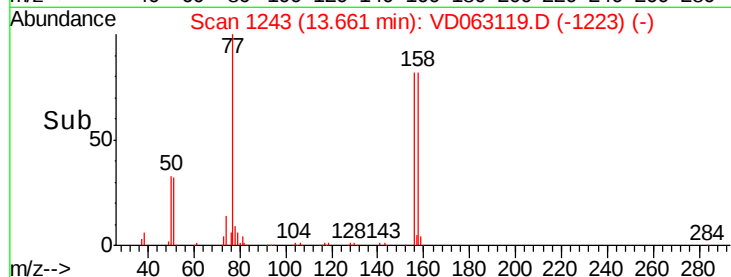
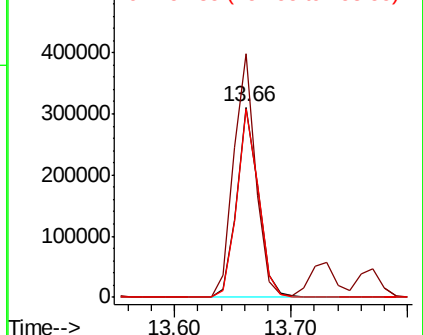
158 99.5 47.6 142.9



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: 42.372 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063119.D

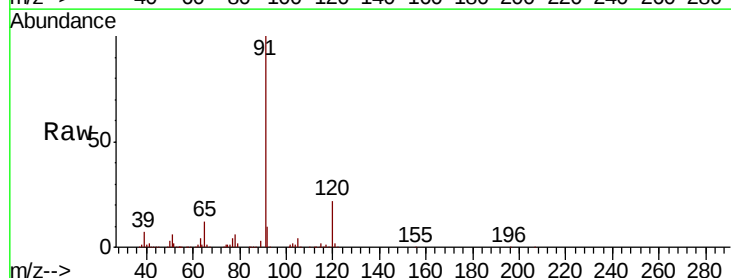
Acq: 16 Jul 2019 21:04

Tgt Ion: 91 Resp: 1490018

Ion Ratio Lower Upper

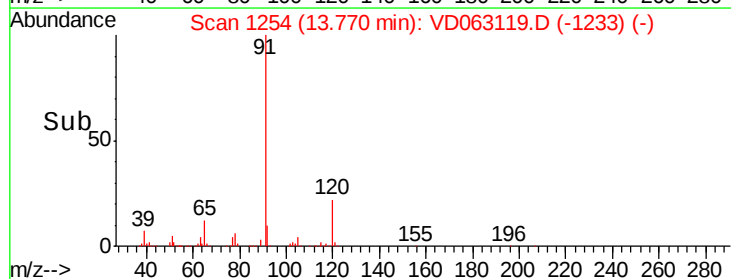
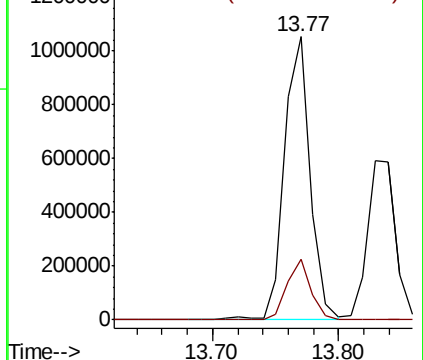
91 100

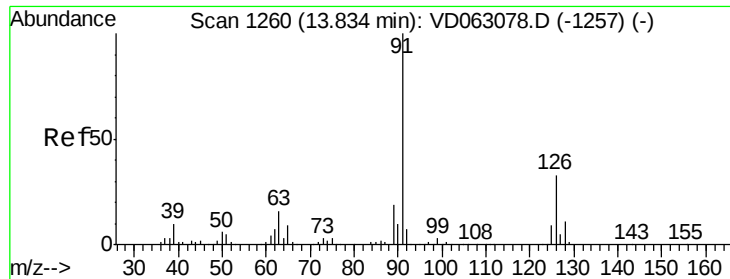
120 21.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 42.931 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

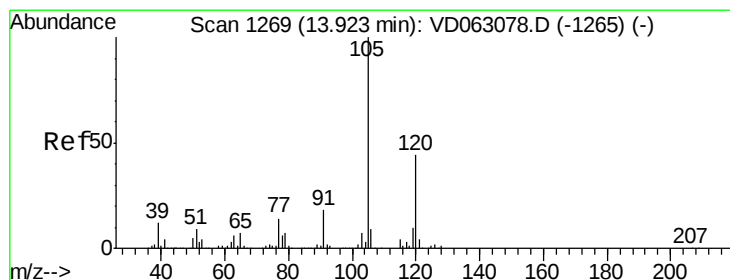
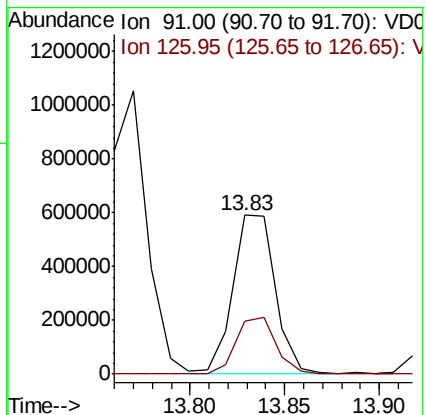
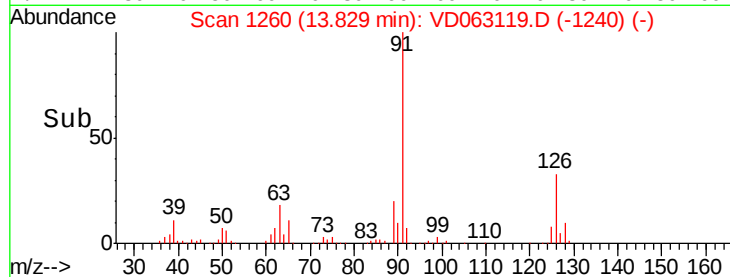
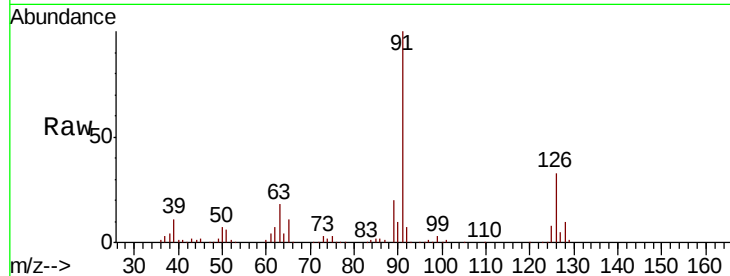
VSTDCCC050EC

Tot Ion: 91 Resp: 912797

Ion Ratio Lower Upper

91 100

126 33.3 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 45.050 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063119.D

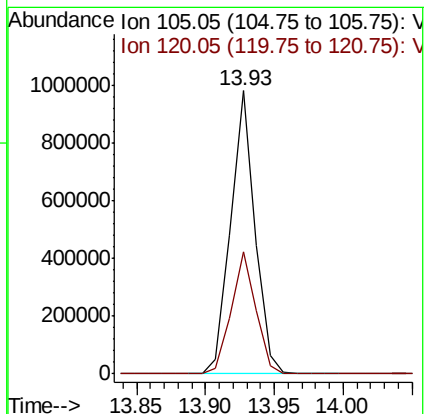
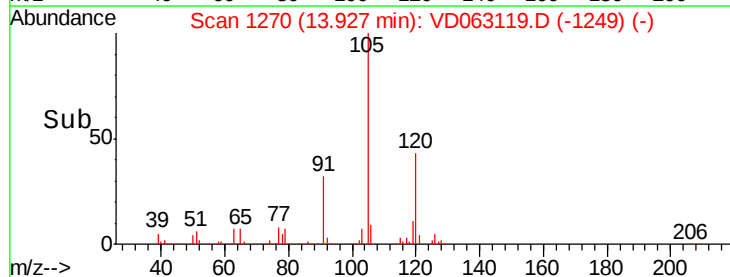
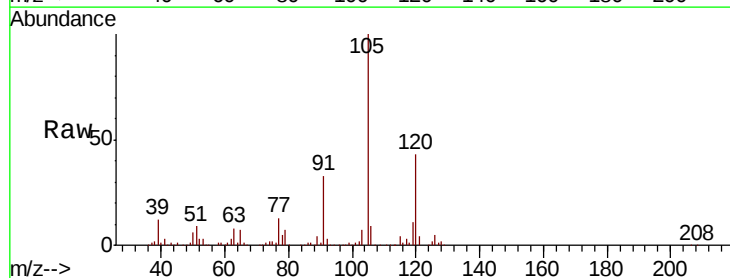
Acq: 16 Jul 2019 21:04

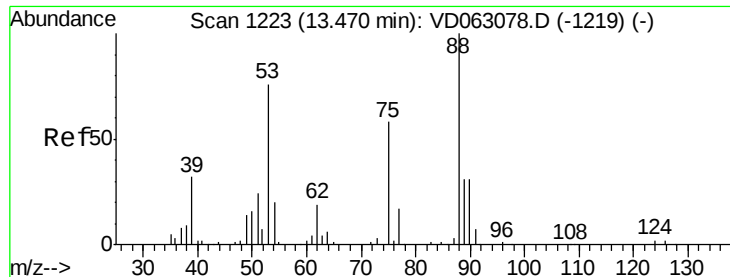
Tgt Ion: 105 Resp: 1199792

Ion Ratio Lower Upper

105 100

120 43.0 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.497 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

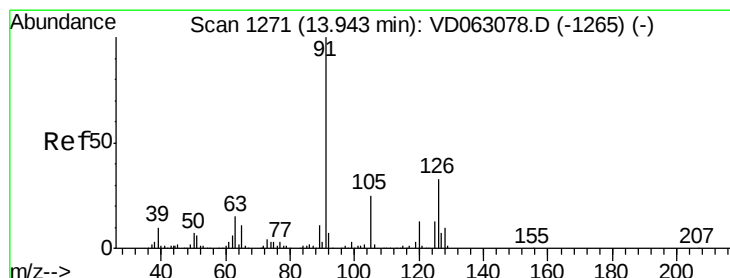
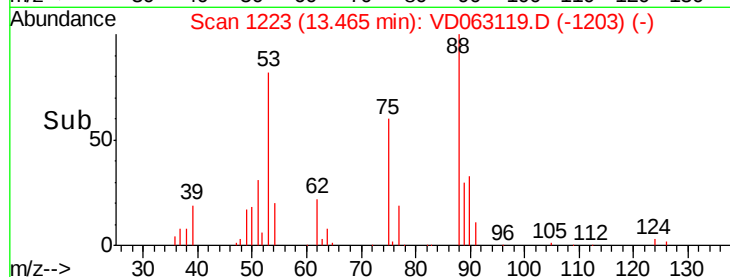
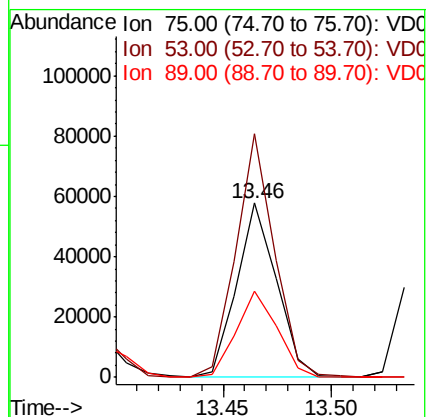
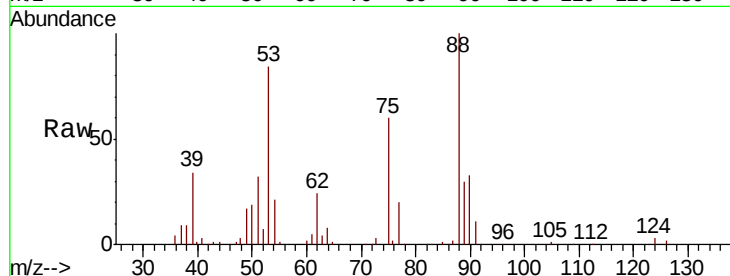
Tot Ion: 75 Resp: 74530

Ion Ratio Lower Upper

75 100

53 139.6 104.4 156.6

89 49.7 43.1 64.7



#82

4-Chlorotoluene

Concen: 47.277 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063119.D

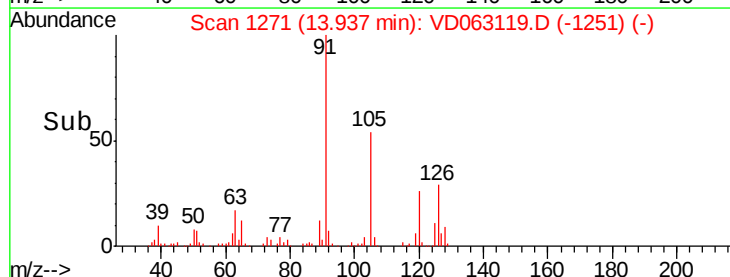
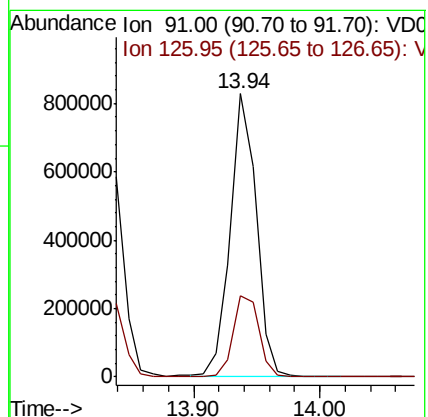
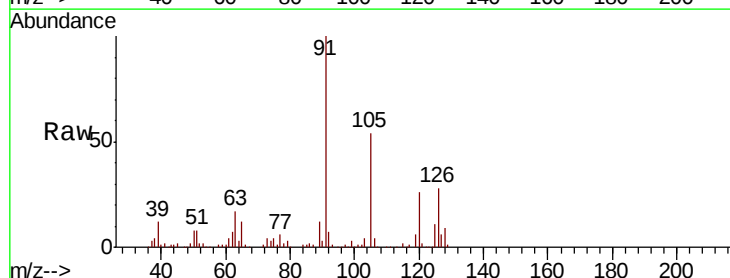
Acq: 16 Jul 2019 21:04

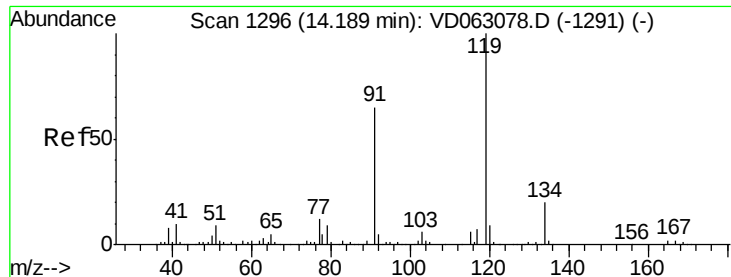
Tgt Ion: 91 Resp: 1173794

Ion Ratio Lower Upper

91 100

126 28.5 16.7 50.1

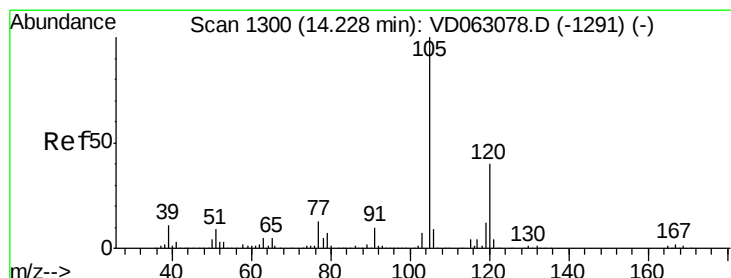
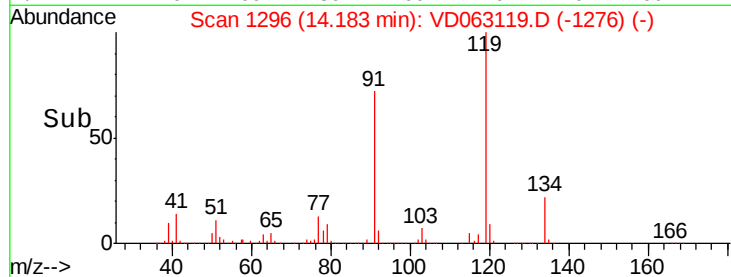
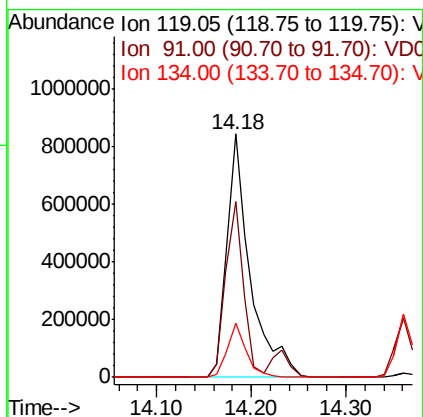
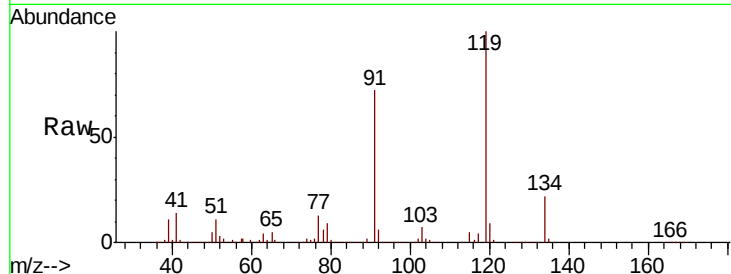




#83
 tert-Butylbenzene
 Concen: 47.903 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

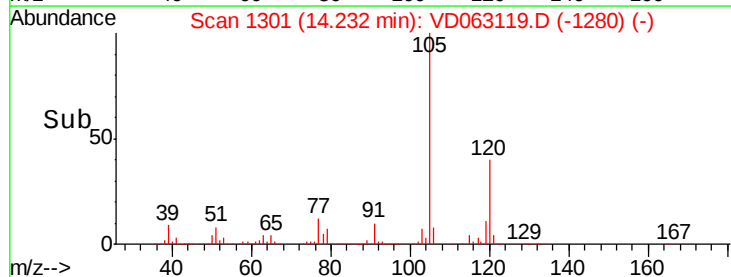
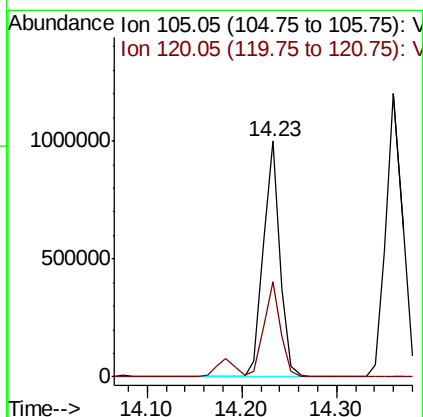
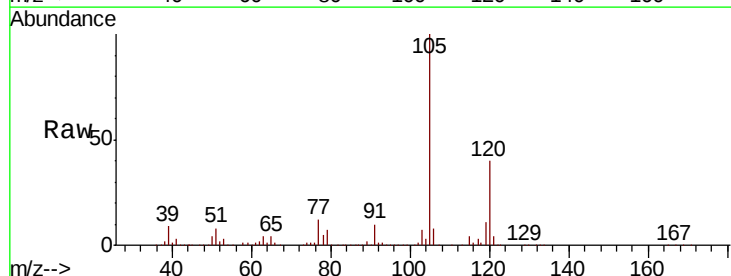
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

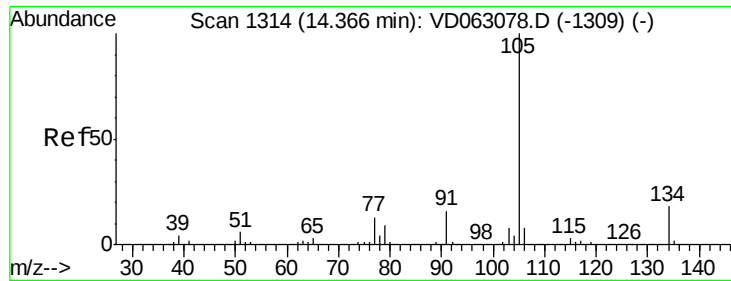
Tot Ion:119 Resp: 1442539
 Ion Ratio Lower Upper
 119 100
 91 72.2 32.4 97.2
 134 22.1 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 46.709 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion:105 Resp: 1240212
 Ion Ratio Lower Upper
 105 100
 120 40.4 20.2 60.6





#85

sec-Butylbenzene

Concen: 46.564 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

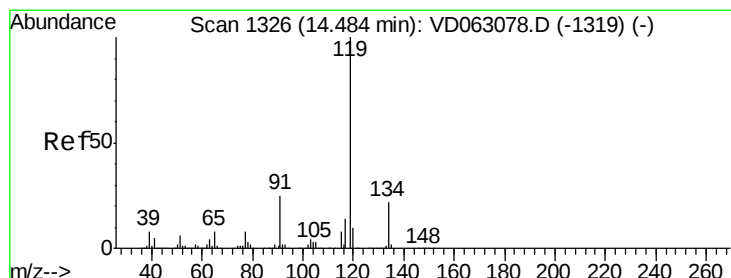
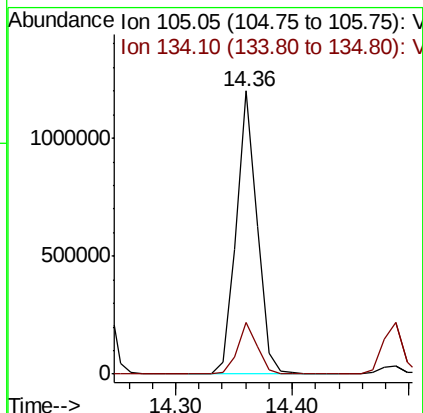
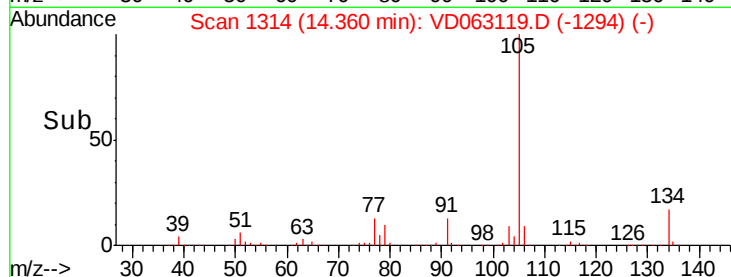
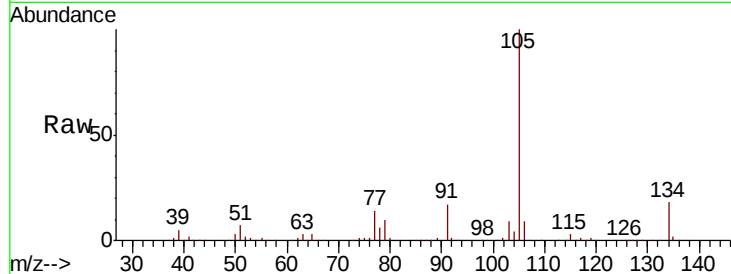
VSTDCCC050EC

Tot Ion:105 Resp: 1489838

Ion Ratio Lower Upper

105 100

134 18.1 8.9 26.8



#86

p-Isopropyltoluene

Concen: 40.930 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063119.D

Acq: 16 Jul 2019 21:04

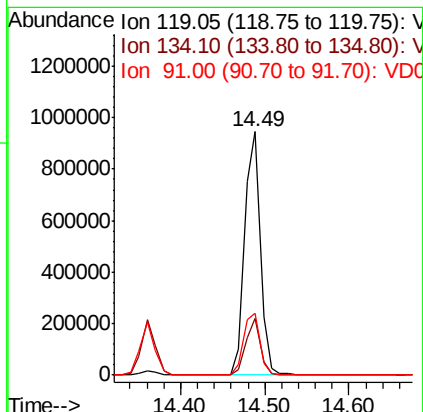
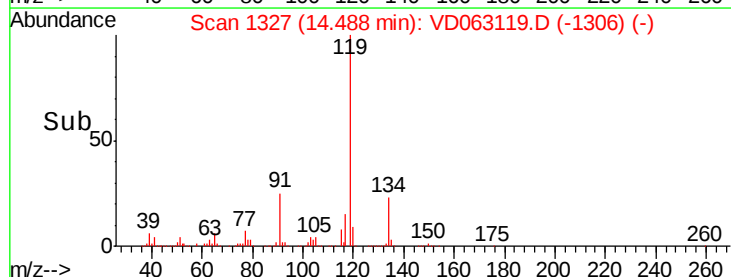
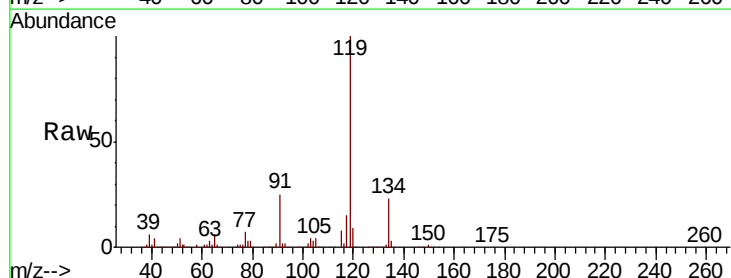
Tgt Ion:119 Resp: 1221678

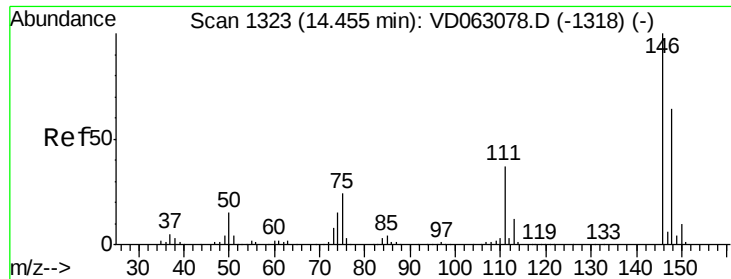
Ion Ratio Lower Upper

119 100

134 23.1 10.8 32.4

91 25.4 12.5 37.5

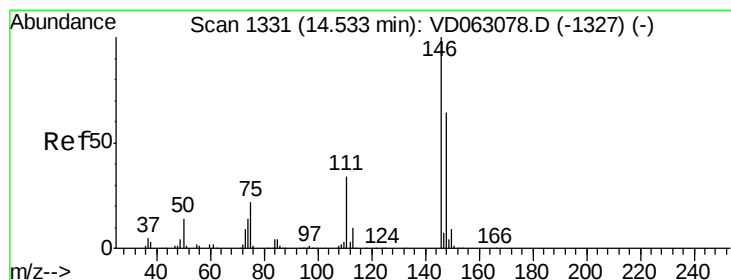
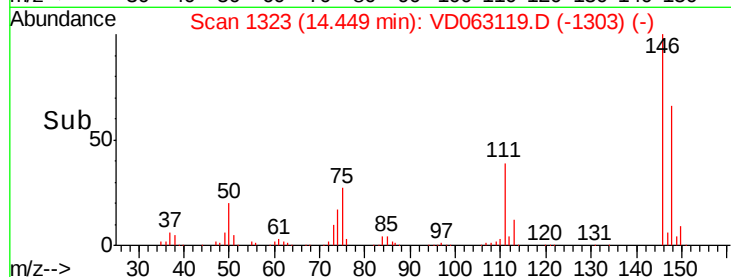
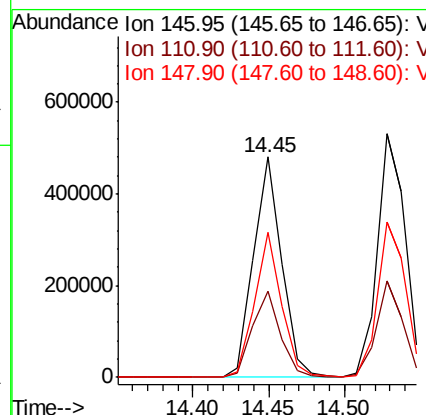
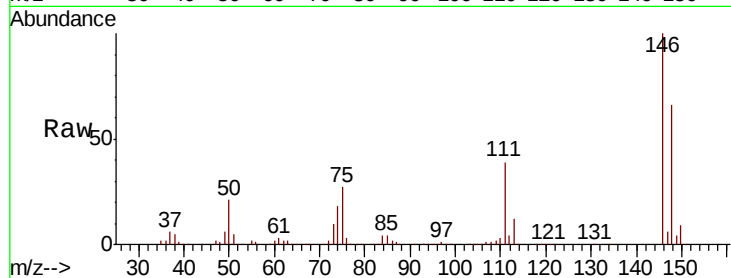




#87
 1,3-Dichlorobenzene
 Concen: 40.343 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

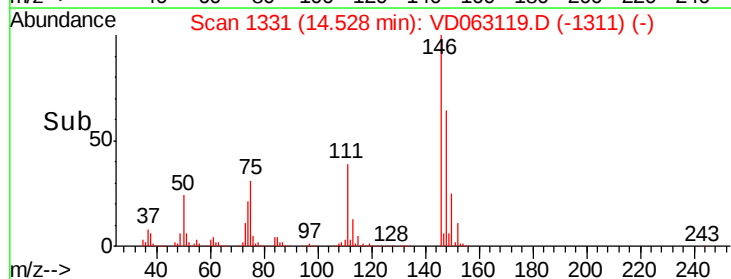
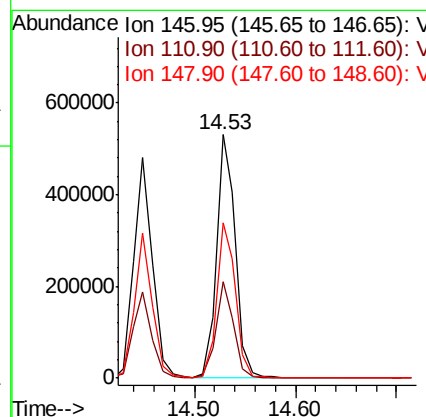
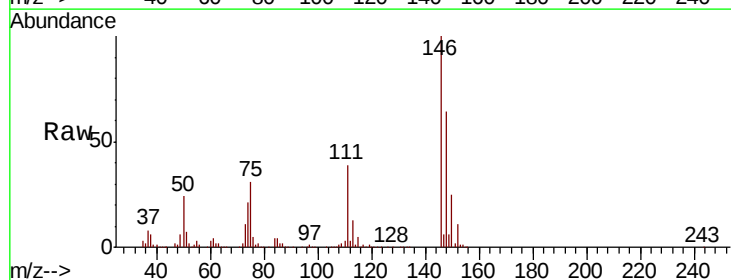
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

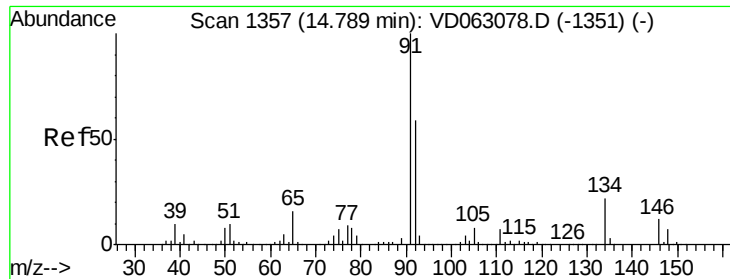
Tot Ion:146 Resp: 624340
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.6 55.6
 148 65.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 46.785 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion:146 Resp: 694117
 Ion Ratio Lower Upper
 146 100
 111 39.4 17.0 51.0
 148 64.0 32.0 96.2

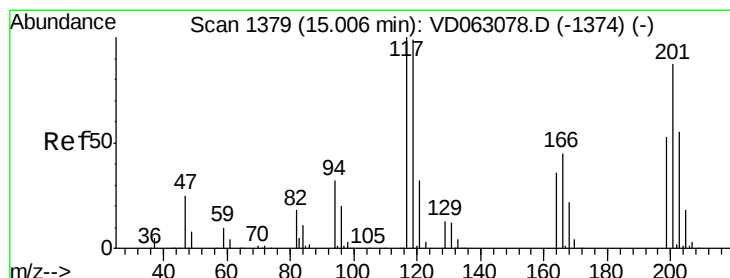
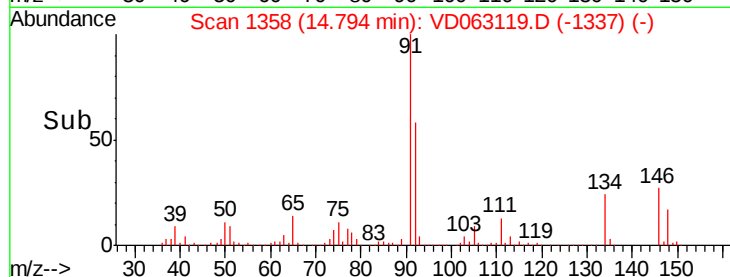
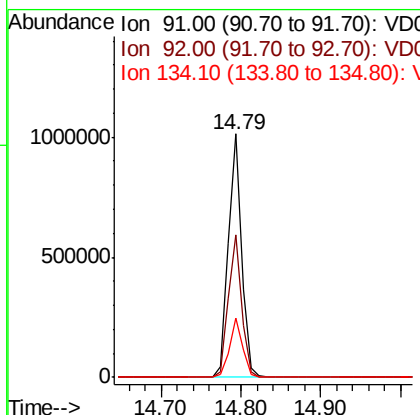
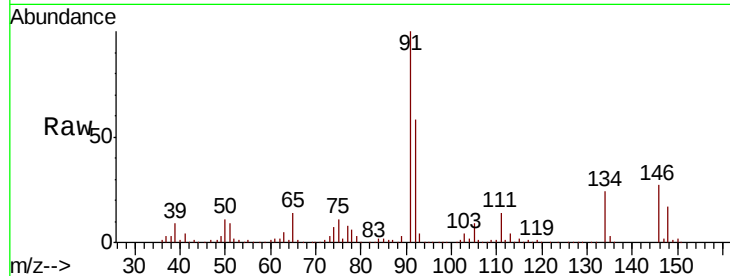




#89
n-Butylbenzene
Concen: 43.968 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

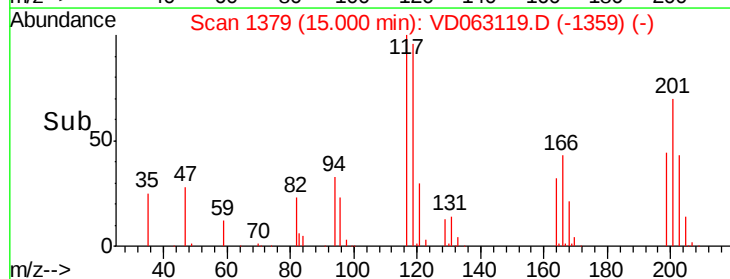
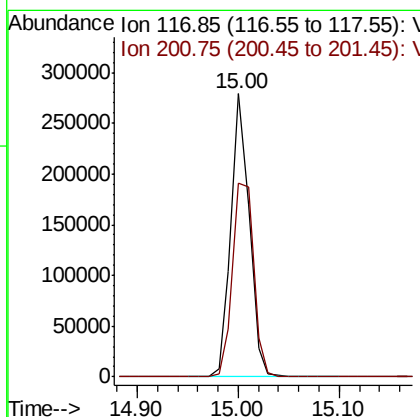
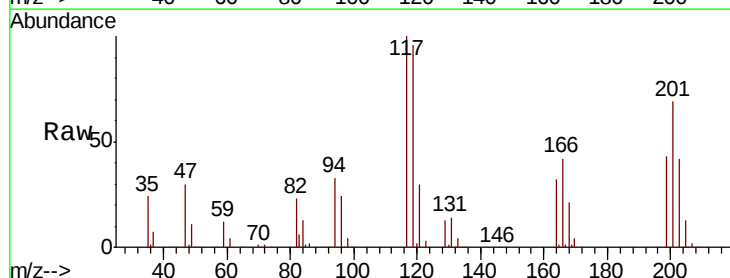
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

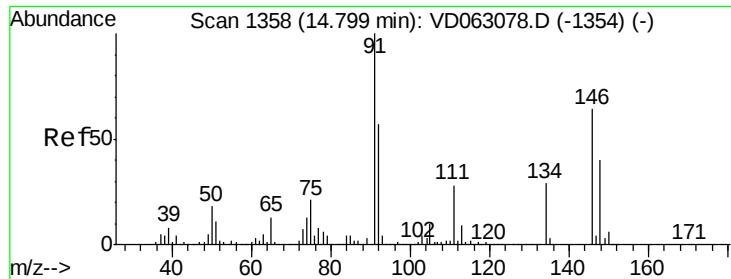
Tot Ion: 91 Resp: 1209595
Ion Ratio Lower Upper
91 100
92 58.4 29.4 88.3
134 24.3 11.3 33.8



#90
Hexachloroethane
Concen: 44.199 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion: 117 Resp: 352667
Ion Ratio Lower Upper
117 100
201 68.6 43.4 130.1

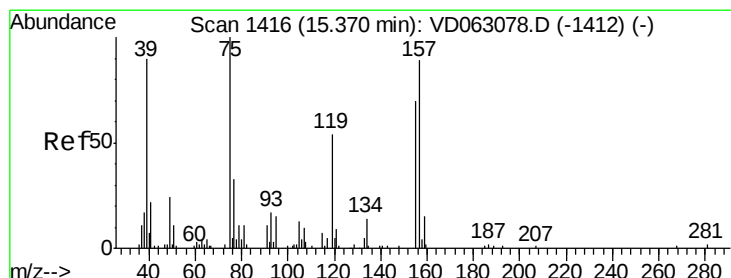
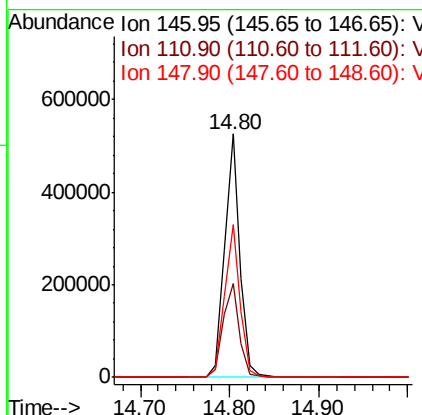
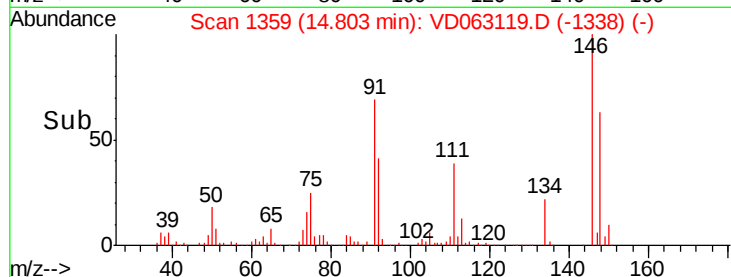
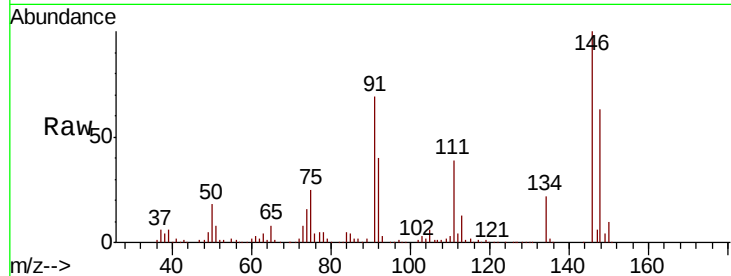




#91
 1,2-Dichlorobenzene
 Concen: 46.454 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

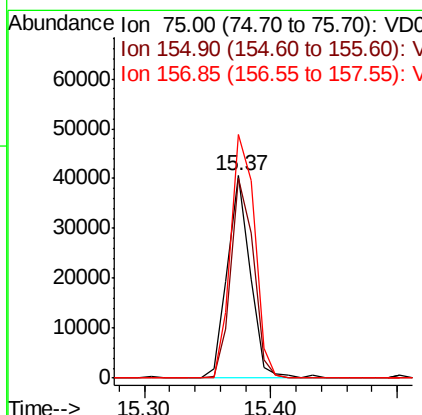
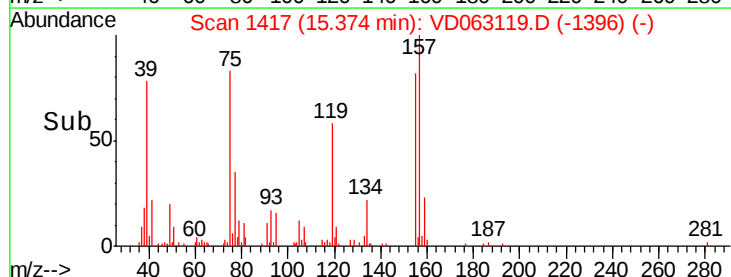
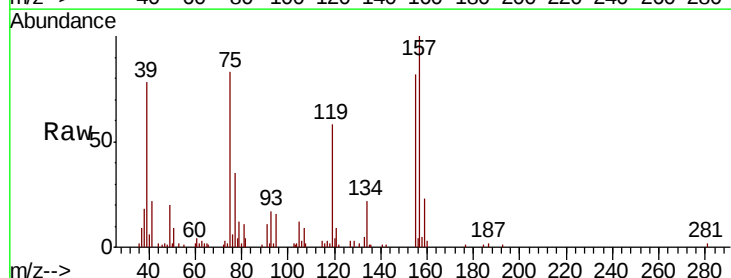
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

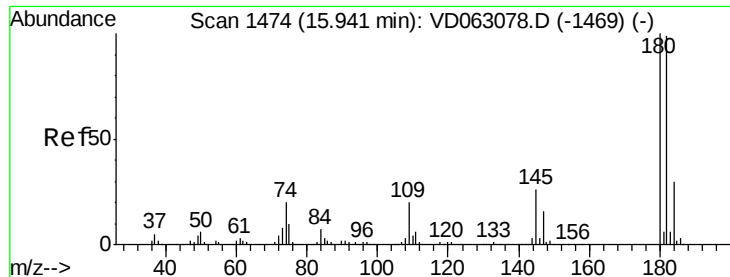
Tot Ion:146 Resp: 640158
 Ion Ratio Lower Upper
 146 100
 111 38.8 21.9 65.5
 148 62.9 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.589 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion: 75 Resp: 50715
 Ion Ratio Lower Upper
 75 100
 155 99.1 34.8 104.3
 157 120.3 44.7 134.1

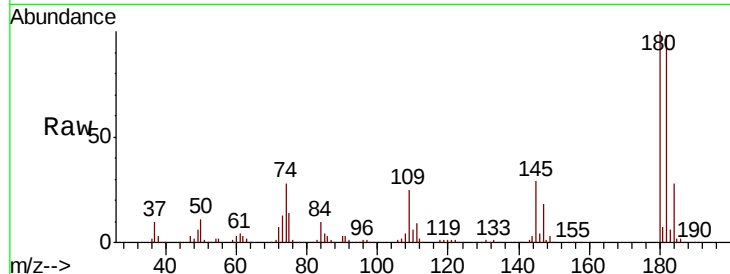




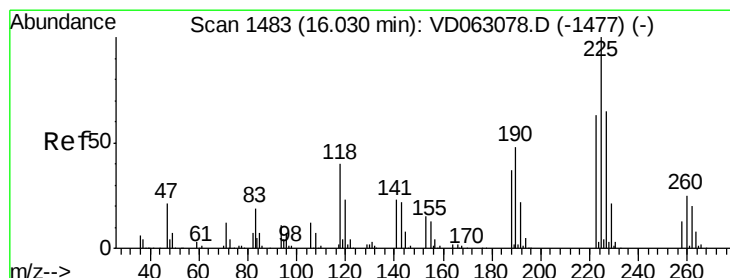
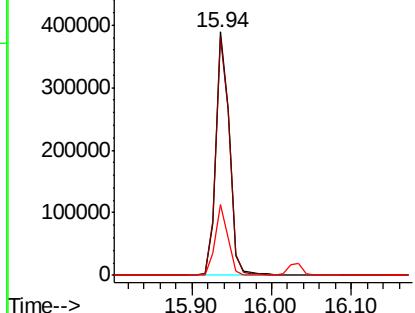
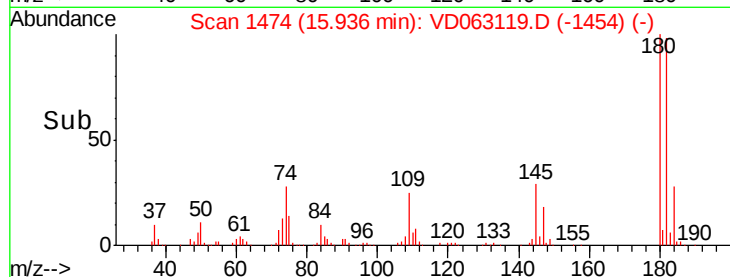
#93
 1,2,4-Trichlorobenzene
 Concen: 45.462 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 470673
 Ion Ratio Lower Upper
 180 100
 182 98.1 49.5 148.3
 145 28.8 12.8 38.4

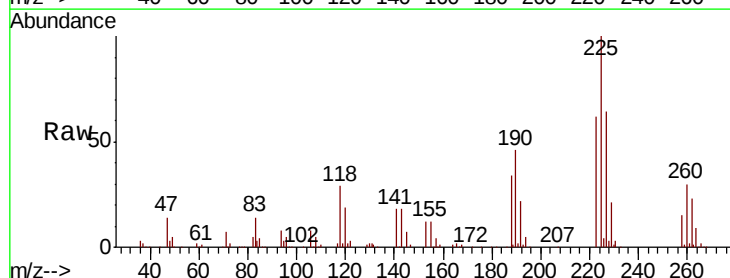


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

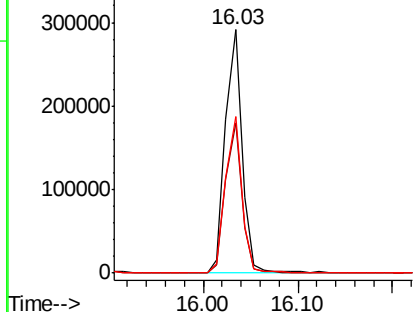
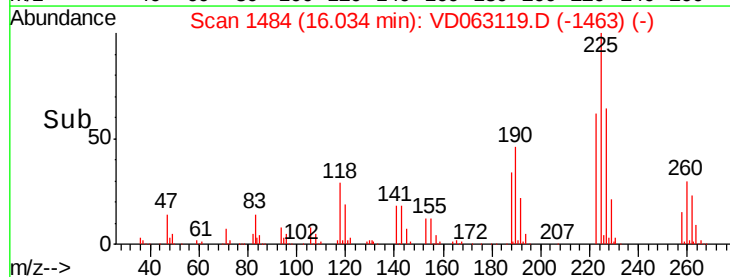


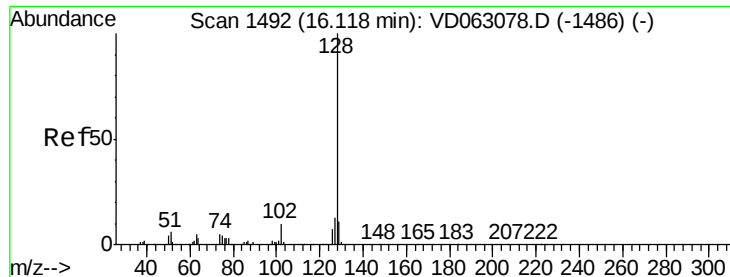
#94
 Hexachlorobutadiene
 Concen: 47.032 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063119.D
 Acq: 16 Jul 2019 21:04

Tgt Ion:225 Resp: 358907
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.4 94.2
 227 64.3 32.6 97.8



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

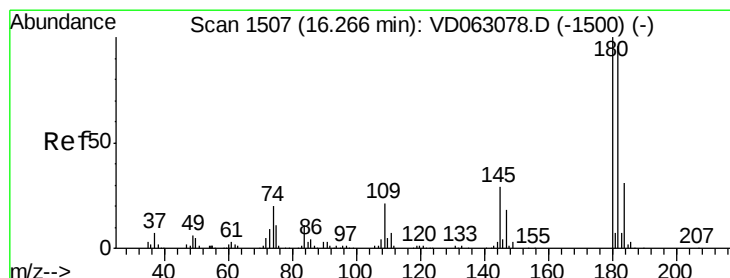
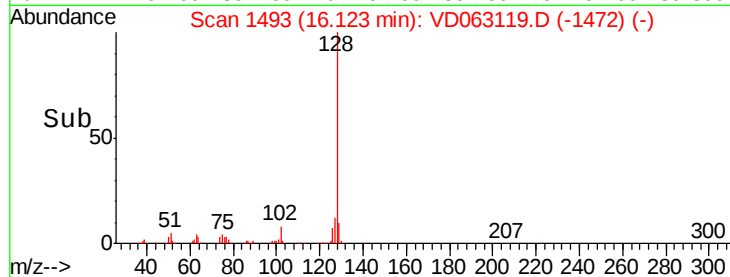
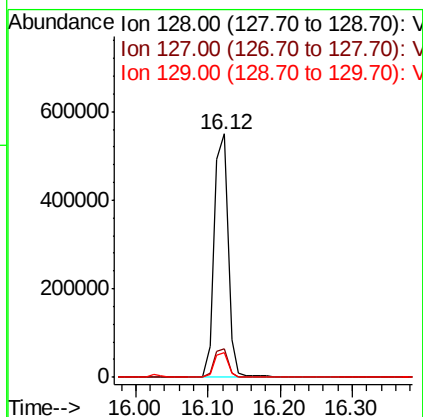
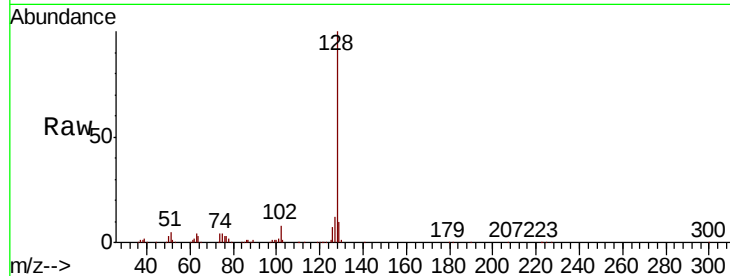




#95
Naphthalene
Concen: 48.292 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 731345
Ion Ratio Lower Upper
128 100
127 11.9 10.7 16.1
129 10.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 40.842 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063119.D
Acq: 16 Jul 2019 21:04

Tgt Ion:180 Resp: 340156
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.6
145 32.8 14.4 43.4

