

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063430.D
 Acq On : 8 Aug 2019 11:19
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 09 06:54:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1109485	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1490409	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1224458	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	683387	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	588852	47.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.66%	
35) Dibromofluoromethane	6.94	113	634187	49.84	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.42	98	1400446	49.18	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	13.56	95	627570	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	561704	41.418	ug/l	95
3) Chloromethane	1.75	50	443712	42.110	ug/l	92
4) Vinyl Chloride	1.86	62	491003	45.013	ug/l	98
5) Bromomethane	2.15	94	231025	41.994	ug/l	98
6) Chloroethane	2.27	64	246412	48.929	ug/l	90
7) Trichlorofluoromethane	2.54	101	1039583	49.126	ug/l	97
8) Diethyl Ether	2.88	74	124664	42.093	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.16	101	560491	47.815	ug/l	95
10) Methyl Iodide	3.31	142	783029	46.240	ug/l	94
11) Tert butyl alcohol	4.09	59	115723	214.200	ug/l	98
12) 1,1-Dichloroethene	3.14	96	434530	50.494	ug/l	84
13) Acrolein	3.04	56	105456	202.821	ug/l	97
14) Allyl chloride	3.63	41	650629	47.460	ug/l	88
15) Acrylonitrile	4.21	53	346492	247.378	ug/l	89
16) Acetone	3.22	43	675631	281.674	ug/l	96
17) Carbon Disulfide	3.38	76	1264667	43.906	ug/l	98
18) Methyl Acetate	3.65	43	217265	47.156	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	945126	48.620	ug/l	100
20) Methylene Chloride	3.83	84	419125	43.229	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	458376	47.472	ug/l	90
22) Diisopropyl ether	5.13	45	1316645	48.072	ug/l	99
23) Vinyl Acetate	5.08	43	4186618	248.668	ug/l	98
24) 1,1-Dichloroethane	5.00	63	817558	46.731	ug/l	99
25) 2-Butanone	6.08	43	604274	251.025	ug/l	93
26) 2,2-Dichloropropane	6.03	77	900475	49.945	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	499825	48.281	ug/l	95
28) Bromochloromethane	6.45	49	334153	47.938	ug/l #	100
29) Tetrahydrofuran	6.47	42	260484	228.555	ug/l	98
30) Chloroform	6.68	83	1037178	47.771	ug/l	98
31) Cyclohexane	6.97	56	530739	48.399	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	1024240	48.772	ug/l	99
36) 1,1-Dichloropropene	7.16	75	681579	50.109	ug/l	97
37) Ethyl Acetate	6.20	43	293315	47.999	ug/l #	95
38) Carbon Tetrachloride	7.12	117	1092953	53.374	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	569188	50.226	ug/l	95
40) Benzene	7.47	78	1441494	50.566	ug/l	95
41) Methacrylonitrile	6.46	41	365074	49.944	ug/l #	91
42) 1,2-Dichloroethane	7.60	62	709707	46.975	ug/l	97
43) Isopropyl Acetate	9.25	43	391183	50.114	ug/l	98
44) Trichloroethene	8.55	130	557810	48.290	ug/l	98
45) 1,2-Dichloropropane	8.94	63	351907	48.567	ug/l	97
46) Dibromomethane	9.07	93	295337	49.021	ug/l	85
47) Bromodichloromethane	9.39	83	775278	50.482	ug/l	94
48) Methyl methacrylate	9.13	41	259229	51.205	ug/l	93
49) 1,4-Dioxane	9.10	88	44895	1047.044	ug/l #	79
51) 4-Methyl-2-Pentanone	10.31	43	1337213	251.894	ug/l	97
52) Toluene	10.52	92	934825	49.305	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	666705	50.354	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	704251	50.610	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	302642	47.262	ug/l	95
56) Ethyl methacrylate	11.05	69	362993	51.768	ug/l	93
57) 1,3-Dichloropropane	11.42	76	506747	50.227	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	935967	256.528	ug/l	100
59) 2-Hexanone	11.54	43	1061898	277.575	ug/l	97
60) Dibromochloromethane	11.69	129	600804	49.700	ug/l	98
61) 1,2-Dibromoethane	11.82	107	380341	48.136	ug/l	97
64) Tetrachloroethene	11.27	164	463730	47.539	ug/l	98
65) Chlorobenzene	12.41	112	1205429	51.182	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	526146	50.716	ug/l	96
67) Ethyl Benzene	12.53	91	2016675	50.405	ug/l	100
68) m/p-Xylenes	12.68	106	1514143	103.195	ug/l	98
69) o-Xylene	13.06	106	692713	51.411	ug/l	89
70) Styrene	13.08	104	1228244	51.401	ug/l	98
71) Bromoform	13.24	173	361929	47.973	ug/l #	97
73) Isopropylbenzene	13.41	105	2129000	49.637	ug/l	98
74) N-amyl acetate	13.28	43	533018	47.008	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.71	83	354607	48.671	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	390236	47.541	ug/l	97
77) Bromobenzene	13.68	156	591180	48.384	ug/l	87
78) n-propylbenzene	13.78	91	2329897	45.647	ug/l	96
79) 2-Chlorotoluene	13.85	91	1351745	45.705	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1684075	45.523	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	115761	50.788	ug/l	99
82) 4-Chlorotoluene	13.96	91	1621173	46.577	ug/l	100
83) tert-Butylbenzene	14.20	119	2056681	48.691	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	1837955	48.033	ug/l	98
85) sec-Butylbenzene	14.38	105	2064500	46.390	ug/l	96
86) p-Isopropyltoluene	14.50	119	1986912	46.777	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	1052673	48.649	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	1046717	47.838	ug/l	97
89) n-Butylbenzene	14.80	91	1828889	49.852	ug/l	97
90) Hexachloroethane	15.02	117	539922	48.789	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	897548	47.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	68167	45.933	ug/l	97

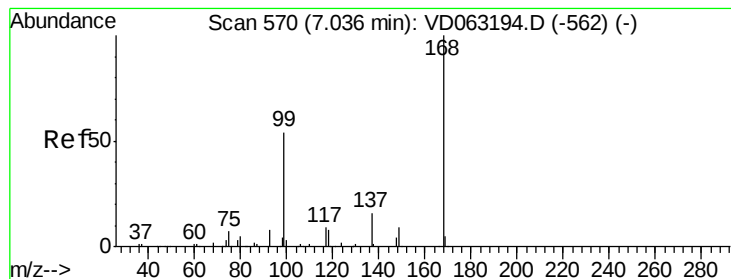
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	680728	45.515	ug/l	100
94) Hexachlorobutadiene	16.04	225	516239	47.631	ug/l	99
95) Naphthalene	16.13	128	962415	45.528	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	548130	46.392	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

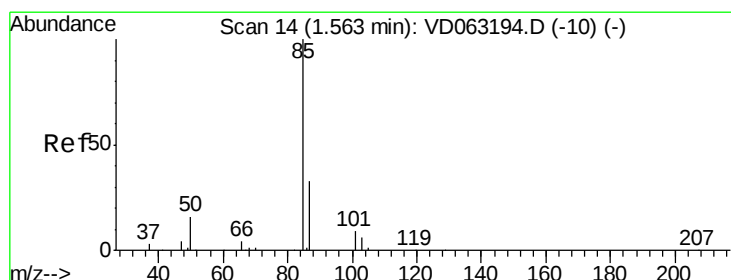
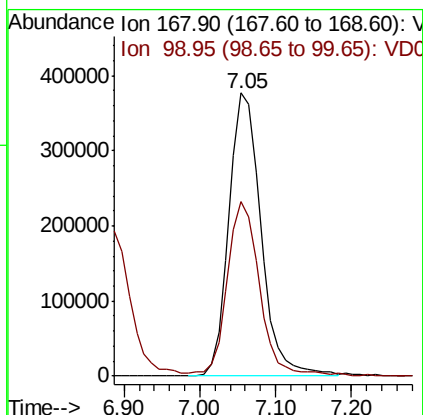
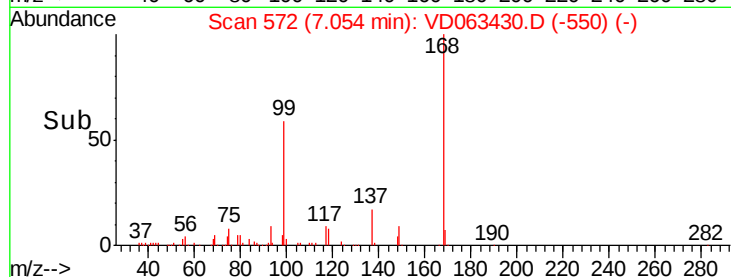
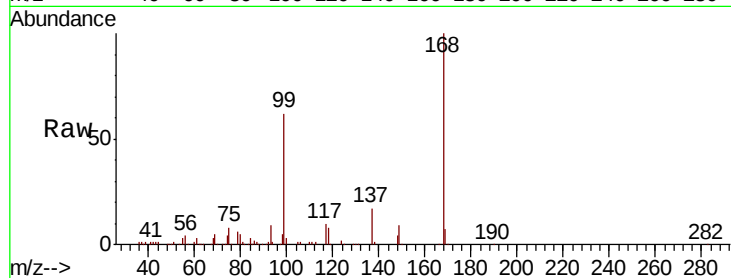
VSTDCCC050

Tgt Ion:168 Resp: 1109485

Ion Ratio Lower Upper

168 100

99 61.8 43.7 65.5



#2

Dichlorodifluoromethane

Concen: 41.418 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.02 min

Lab File: VD063430.D

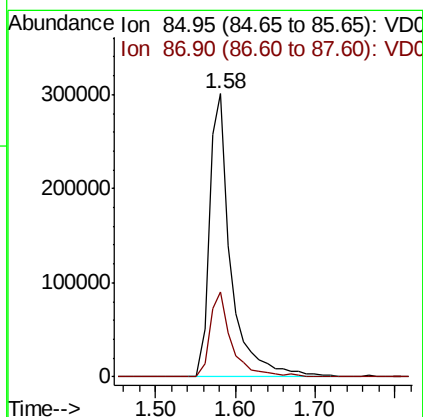
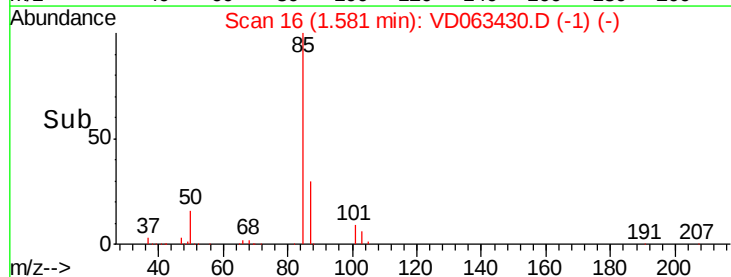
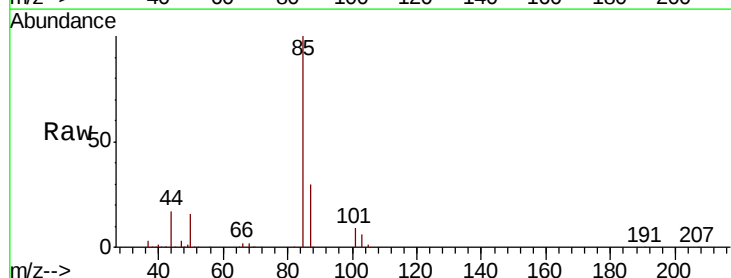
Acq: 8 Aug 2019 11:19

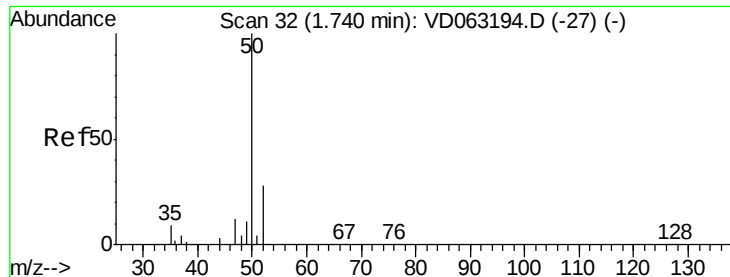
Tgt Ion: 85 Resp: 561704

Ion Ratio Lower Upper

85 100

87 30.1 16.6 49.7





#3

Chloromethane

Concen: 42.110 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

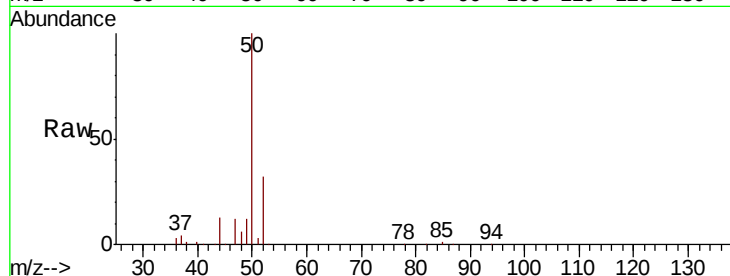
VSTDCCC050

Tgt Ion: 50 Resp: 443712

Ion Ratio Lower Upper

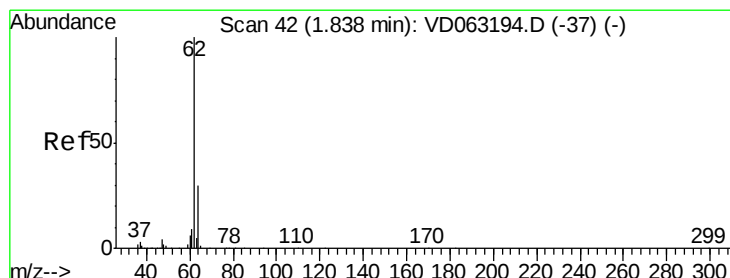
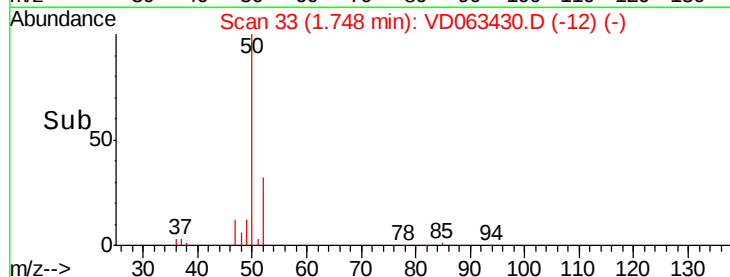
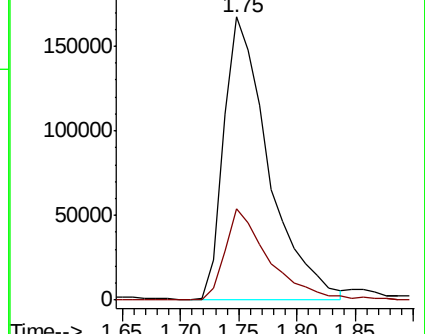
50 100

52 32.5 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.013 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD063430.D

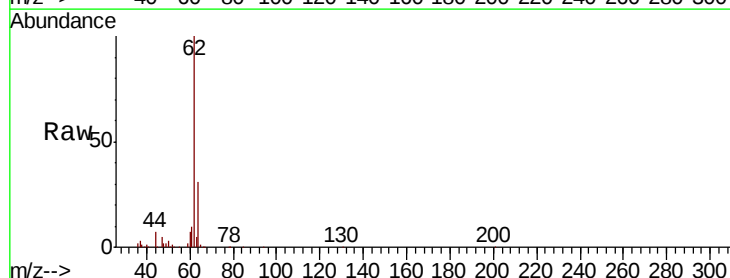
Acq: 8 Aug 2019 11:19

Tgt Ion: 62 Resp: 491003

Ion Ratio Lower Upper

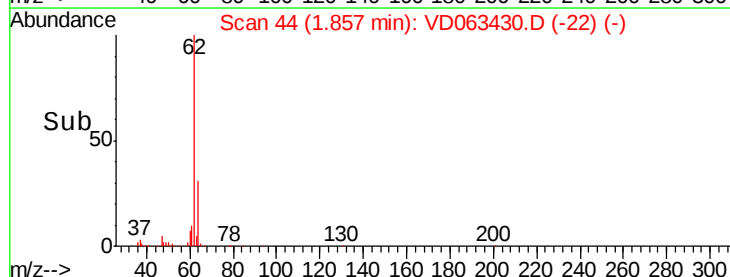
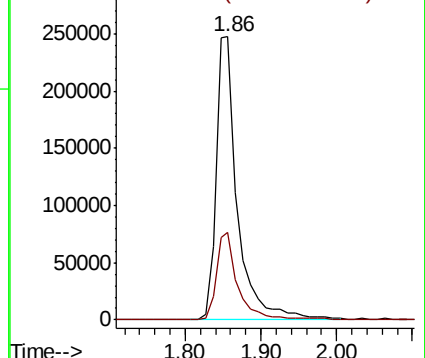
62 100

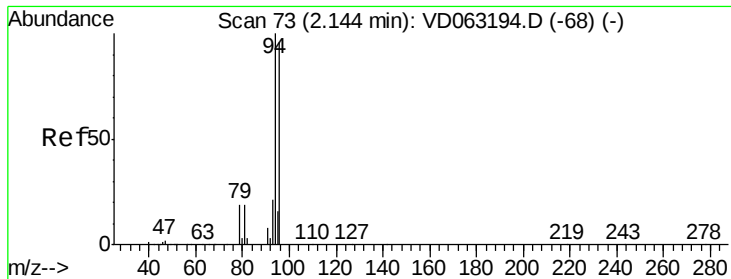
64 31.1 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 41.994 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

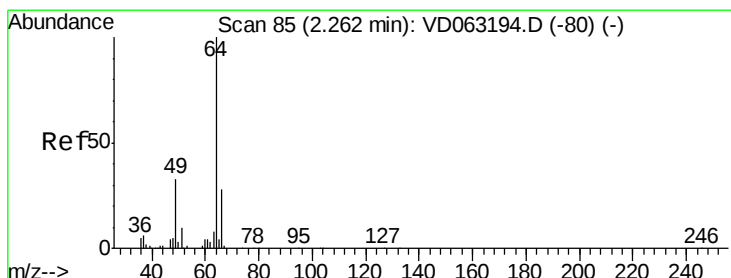
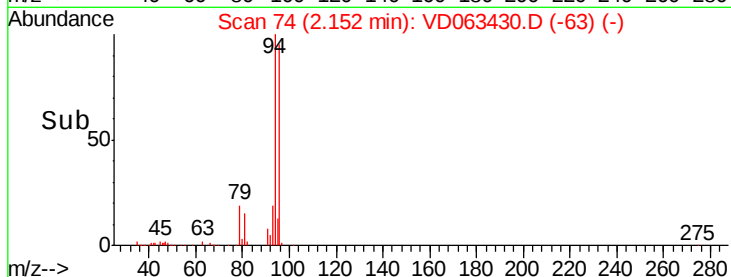
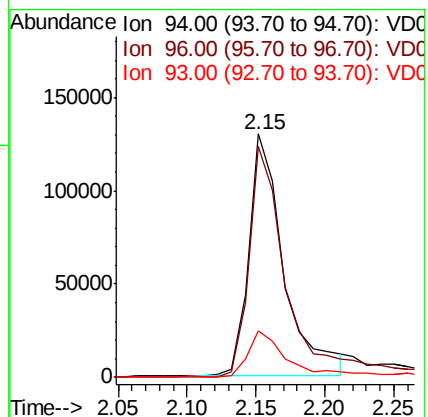
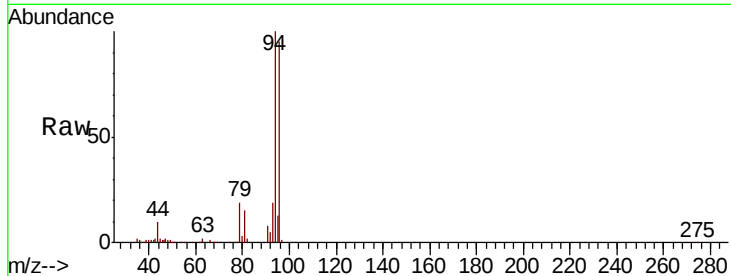
Tgt Ion: 94 Resp: 231025

Ion Ratio Lower Upper

94 100

96 94.7 76.4 114.6

93 18.9 17.3 25.9



#6

Chloroethane

Concen: 48.929 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063430.D

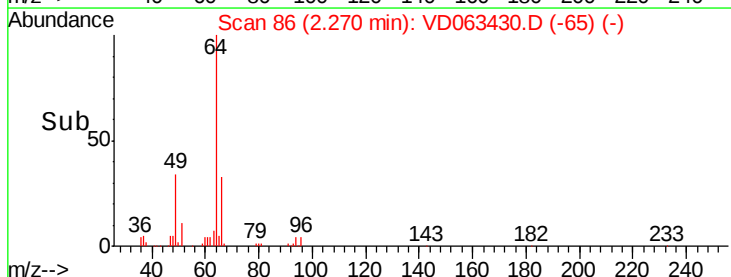
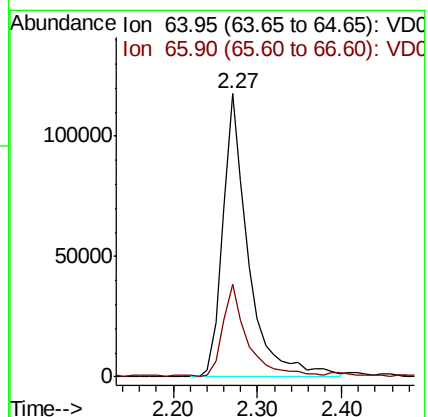
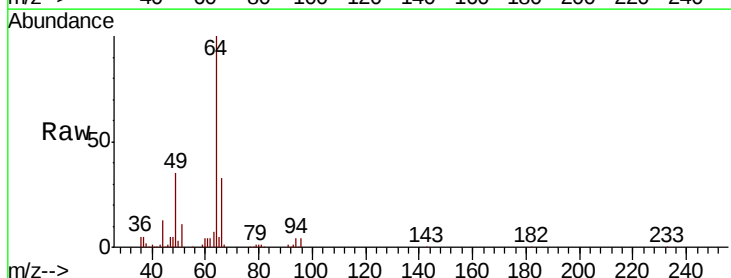
Acq: 8 Aug 2019 11:19

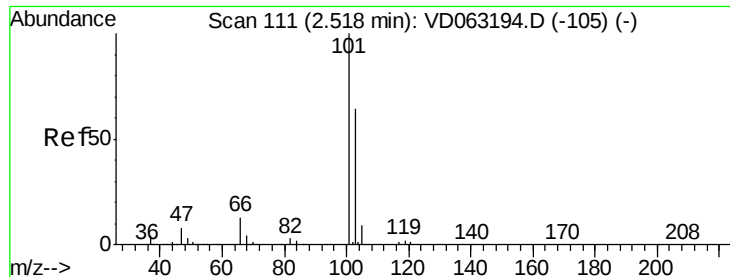
Tgt Ion: 64 Resp: 246412

Ion Ratio Lower Upper

64 100

66 32.9 22.2 33.2



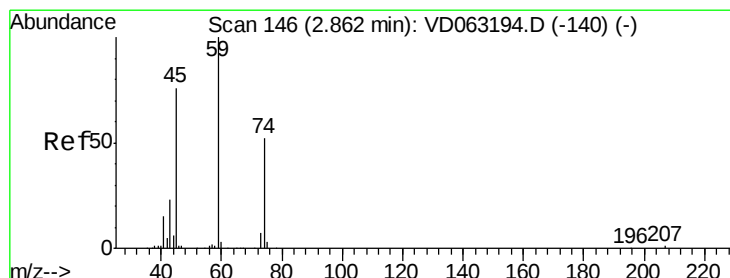
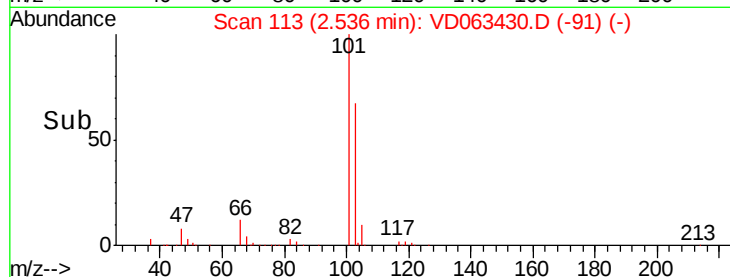
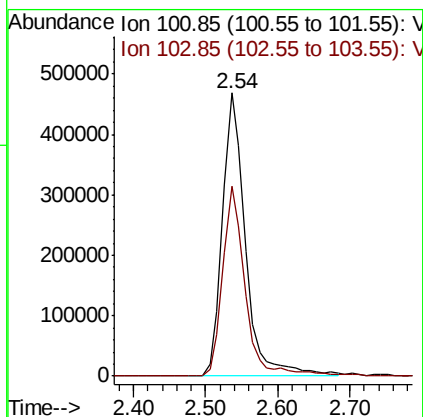
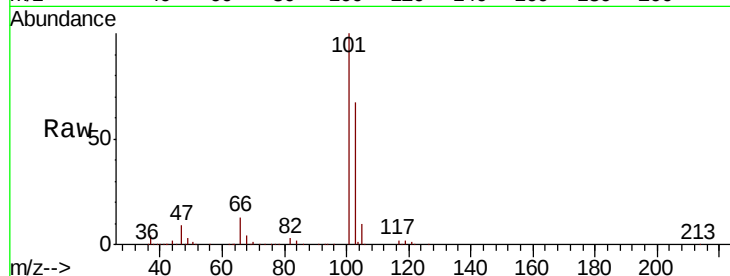


#7

Trichlorofluoromethane
Concen: 49.126 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

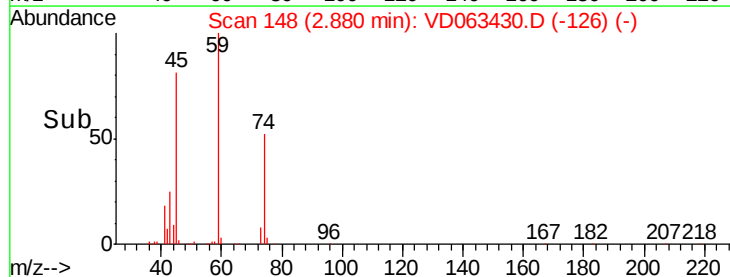
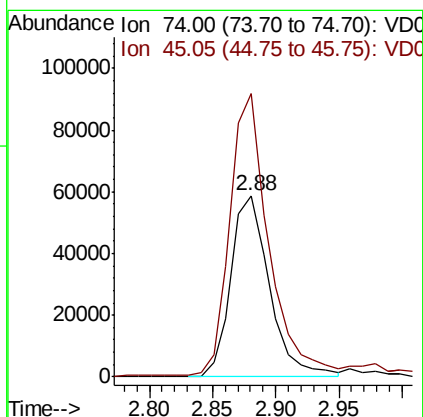
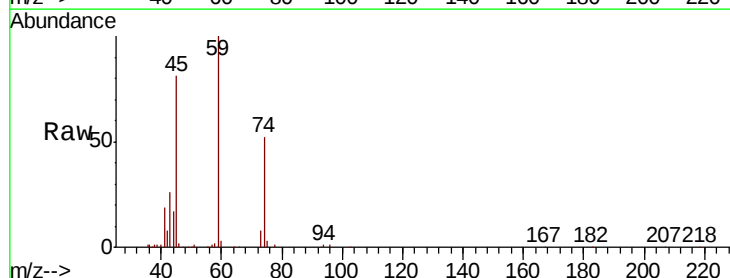
Tgt Ion:101 Resp: 1039583
Ion Ratio Lower Upper
101 100
103 67.0 51.5 77.3

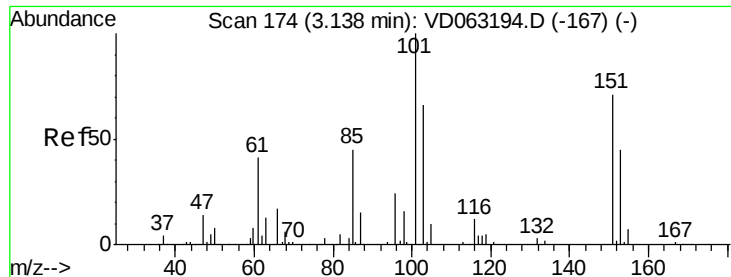


#8

Diethyl Ether
Concen: 42.093 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 74 Resp: 124664
Ion Ratio Lower Upper
74 100
45 155.9 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.815 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

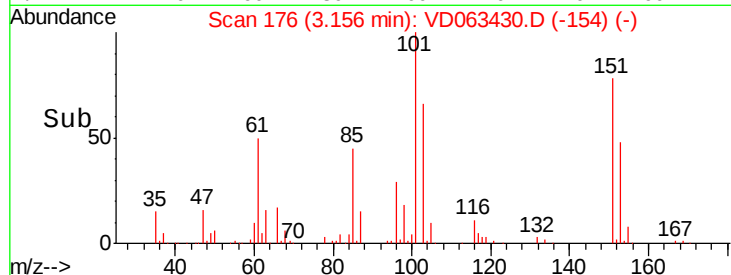
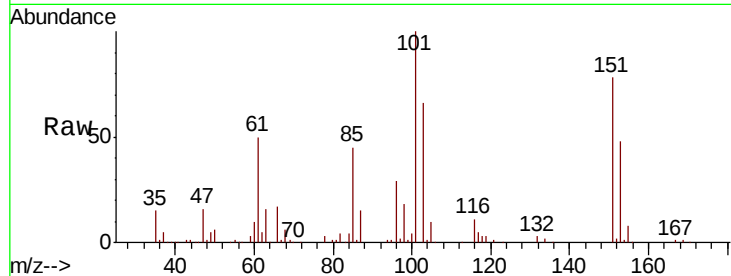
Tgt Ion:101 Resp: 560491

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

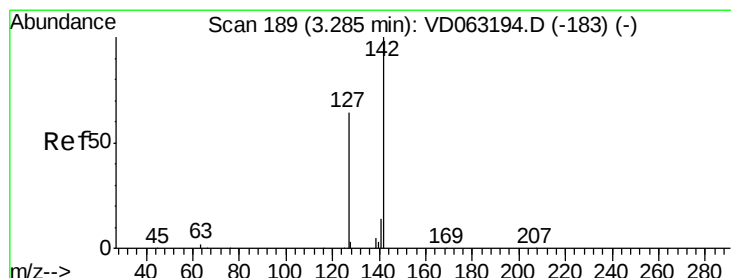
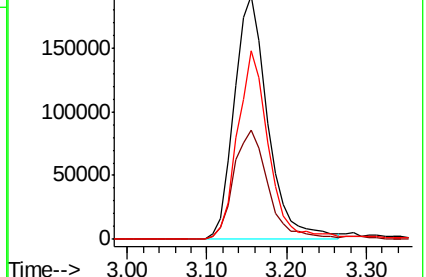
151 77.6 57.1 85.7



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: 46.240 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

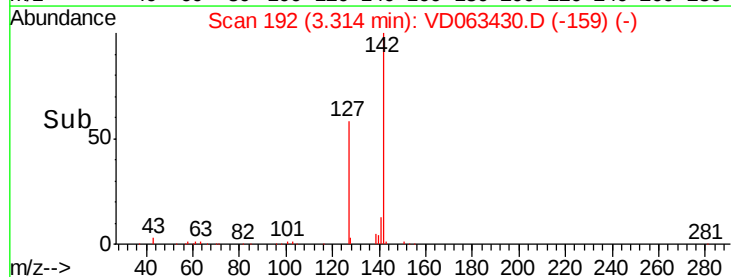
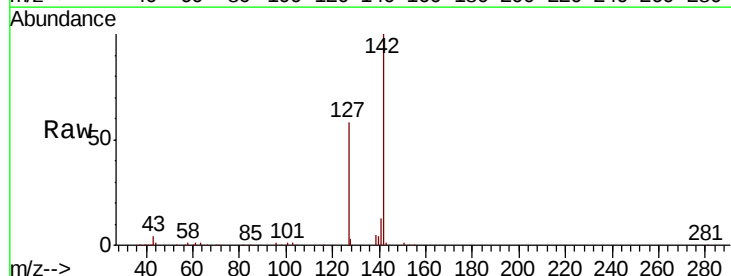
Tgt Ion:142 Resp: 783029

Ion Ratio Lower Upper

142 100

127 58.3 50.8 76.2

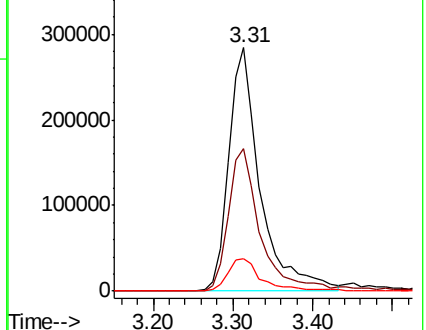
141 13.1 11.4 17.2

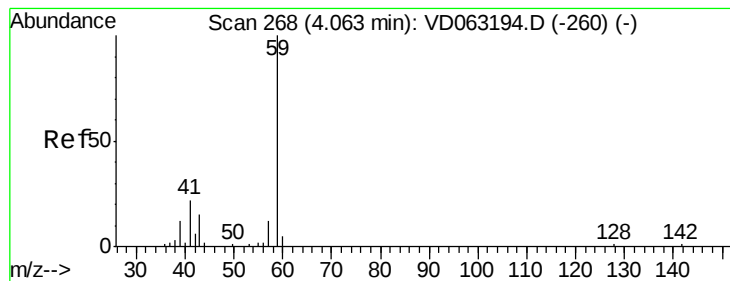


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



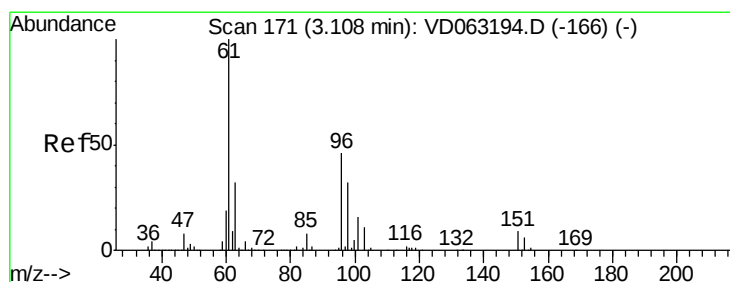
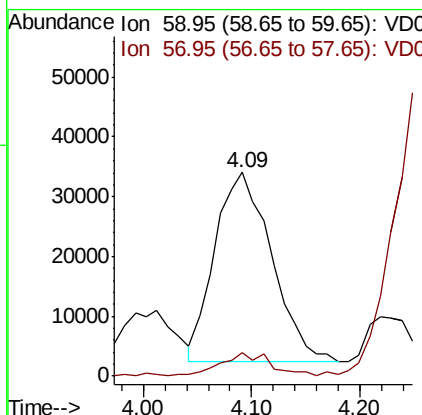
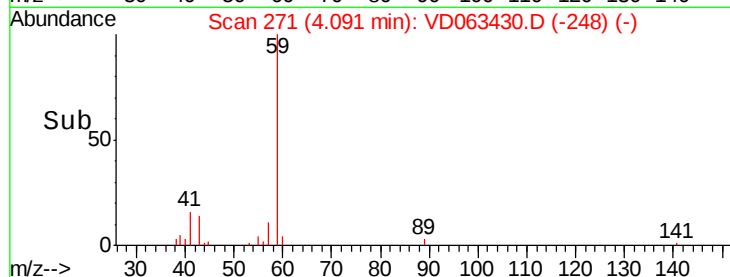
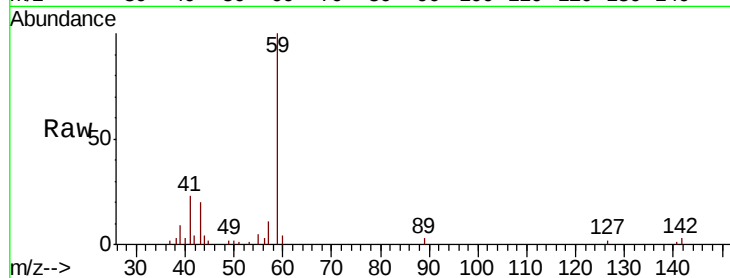


#11

Tert butyl alcohol
 Concen: 214.200 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.03 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

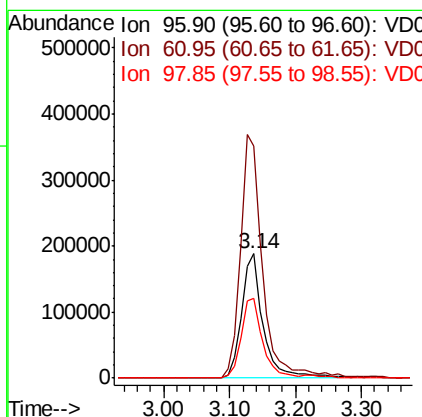
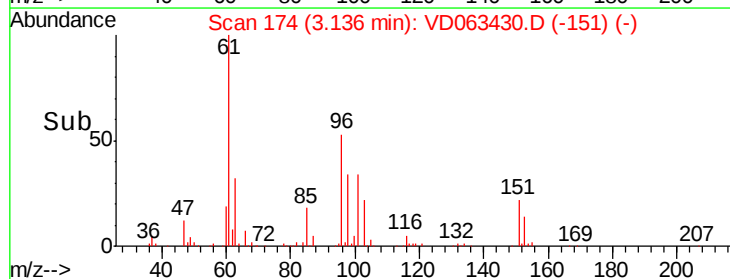
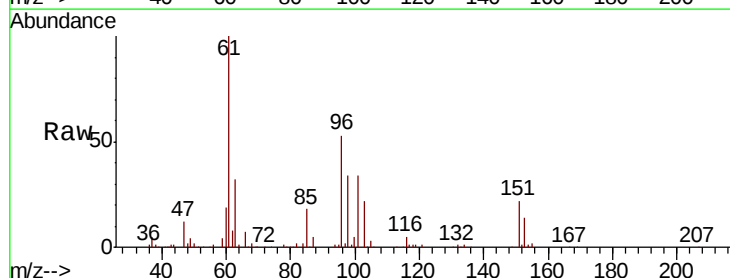
Tgt Ion: 59 Resp: 115723
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.6 14.4

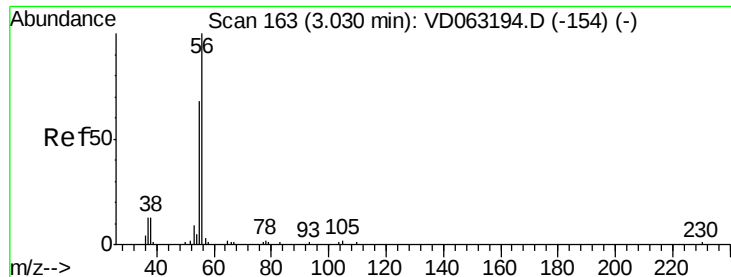


#12

1,1-Dichloroethene
 Concen: 50.494 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.03 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion: 96 Resp: 434530
 Ion Ratio Lower Upper
 96 100
 61 187.1 173.7 260.5
 98 64.2 55.8 83.8





#13

Acrolein

Concen: 202.821 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

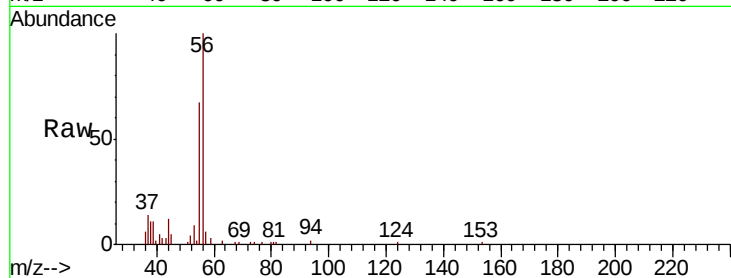
VSTDCCC050

Tgt Ion: 56 Resp: 105456

Ion Ratio Lower Upper

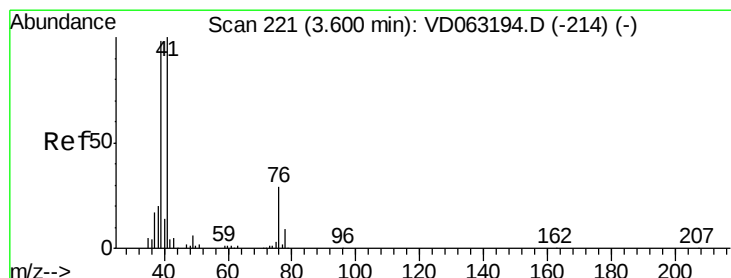
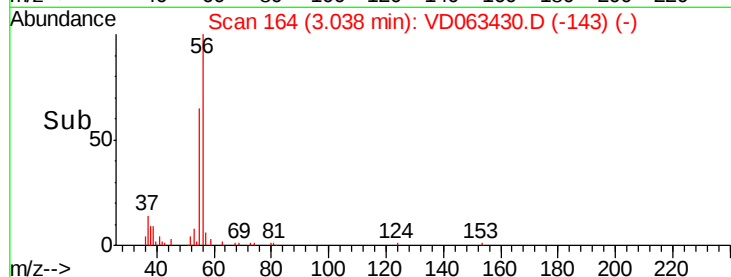
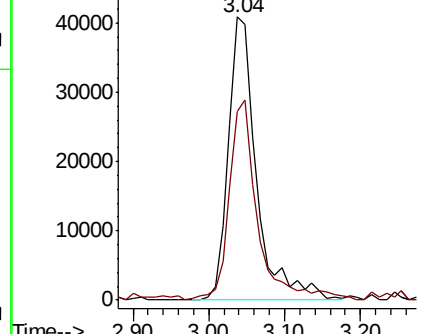
56 100

55 66.7 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.460 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

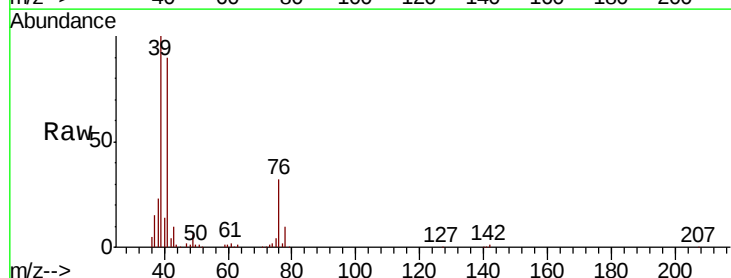
Tgt Ion: 41 Resp: 650629

Ion Ratio Lower Upper

41 100

39 111.2 78.6 117.8

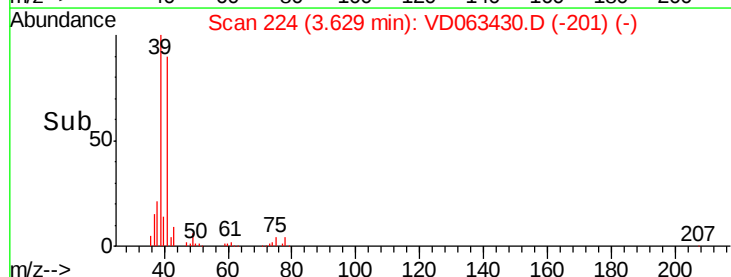
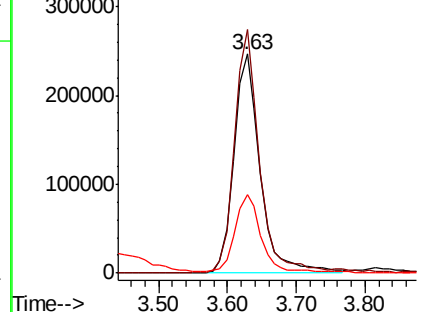
76 35.9 24.5 36.7

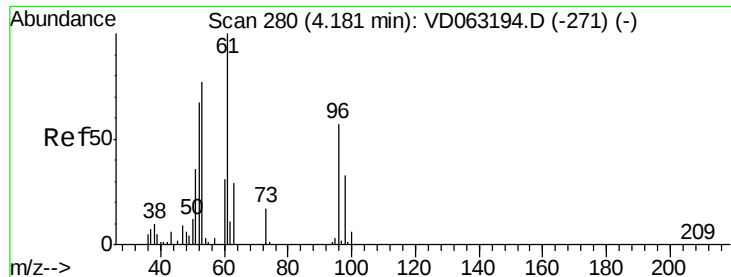


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 247.378 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

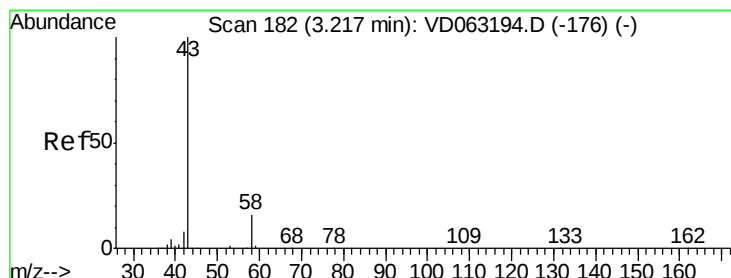
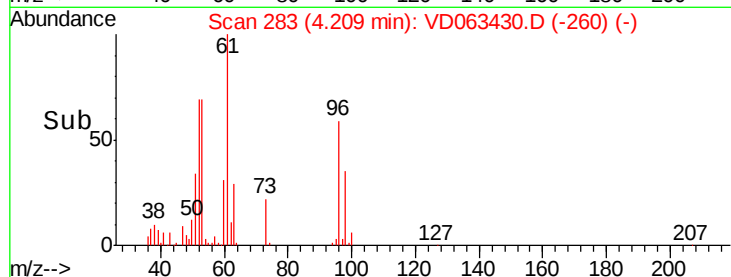
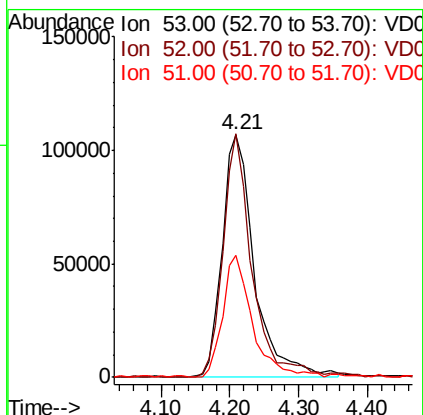
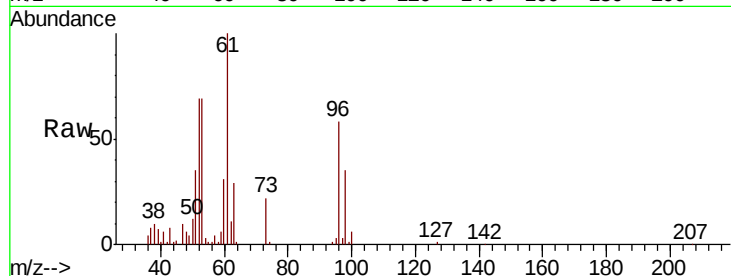
Tgt Ion: 53 Resp: 346492

Ion Ratio Lower Upper

53 100

52 100.2 69.7 104.5

51 50.3 37.4 56.0



#16

Acetone

Concen: 281.674 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063430.D

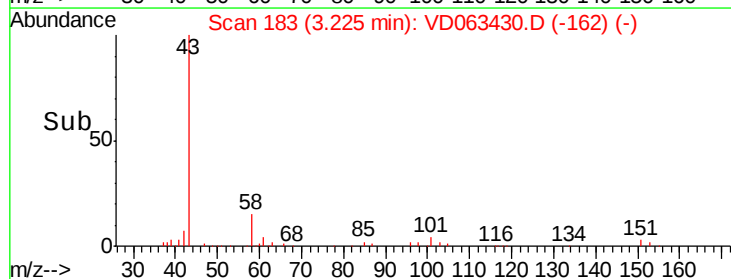
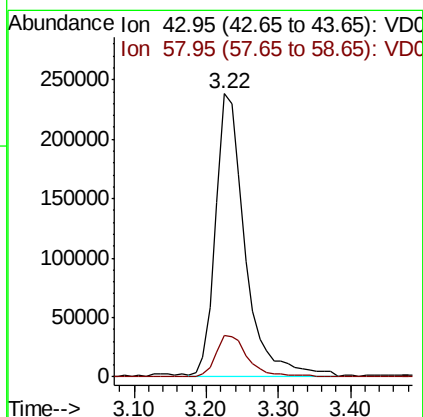
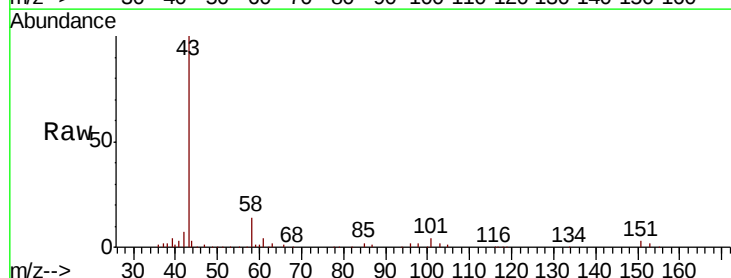
Acq: 8 Aug 2019 11:19

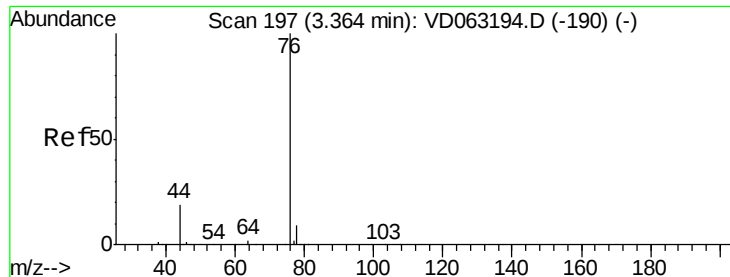
Tgt Ion: 43 Resp: 675631

Ion Ratio Lower Upper

43 100

58 14.5 13.0 19.4

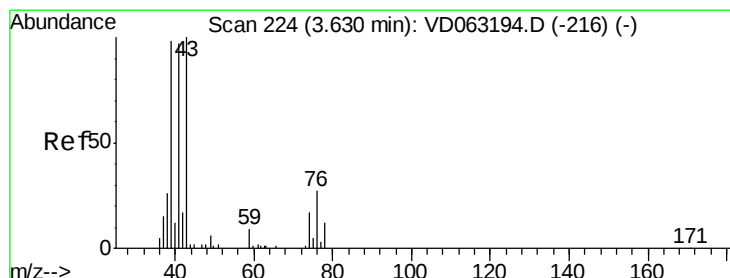
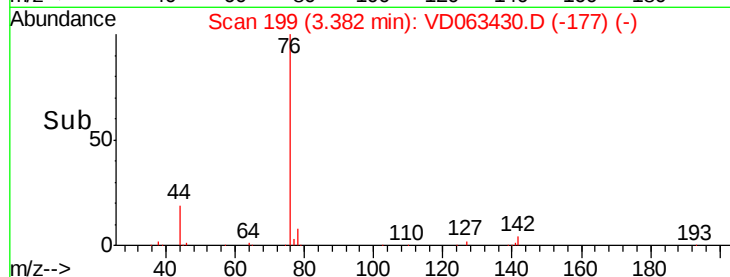
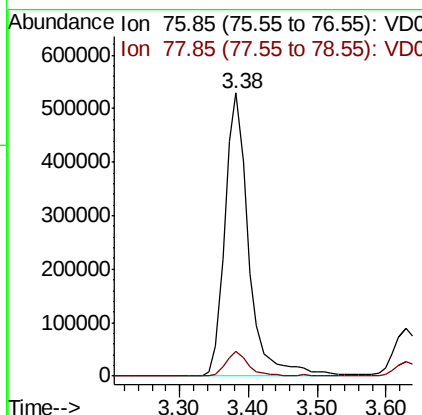
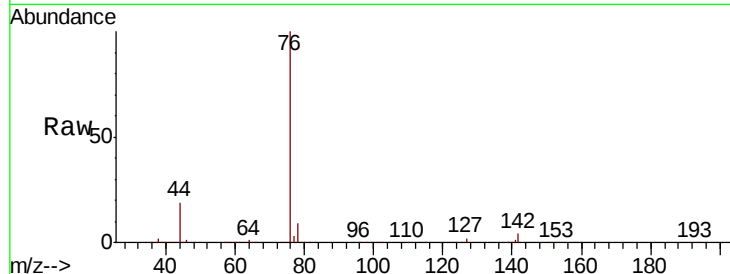




#17
 Carbon Disulfide
 Concen: 43.906 ug/l
 RT: 3.38 min Scan# 199
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

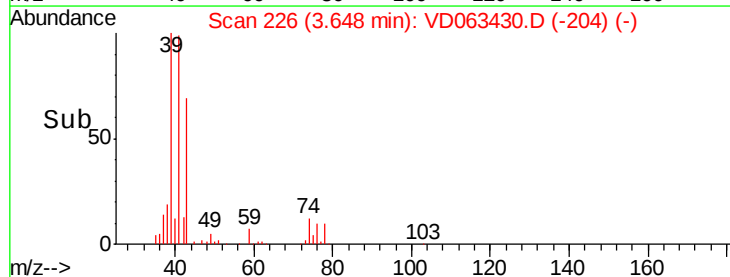
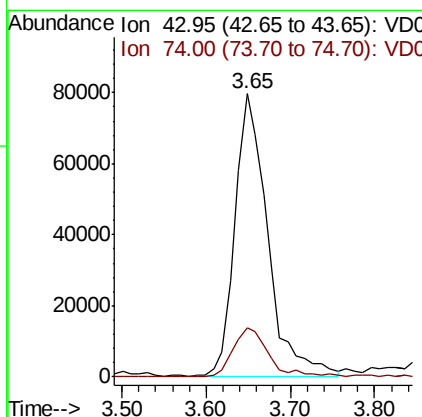
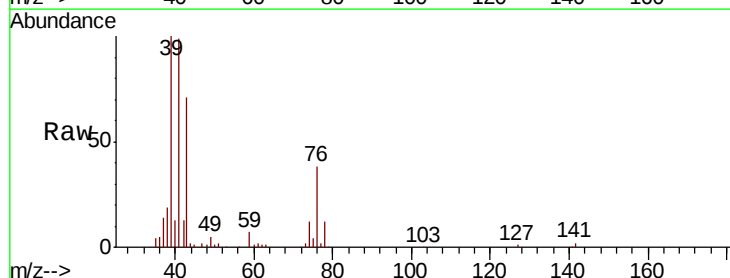
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

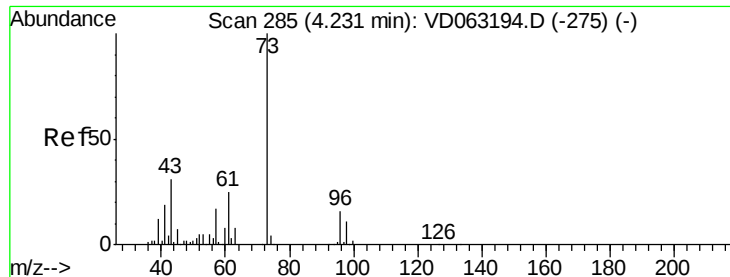
Tgt Ion: 76 Resp: 1264667
 Ion Ratio Lower Upper
 76 100
 78 8.6 7.4 11.2



#18
 Methyl Acetate
 Concen: 47.156 ug/l
 RT: 3.65 min Scan# 226
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion: 43 Resp: 217265
 Ion Ratio Lower Upper
 43 100
 74 17.2 13.8 20.8

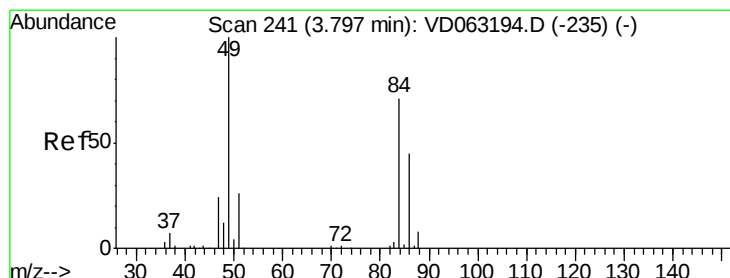
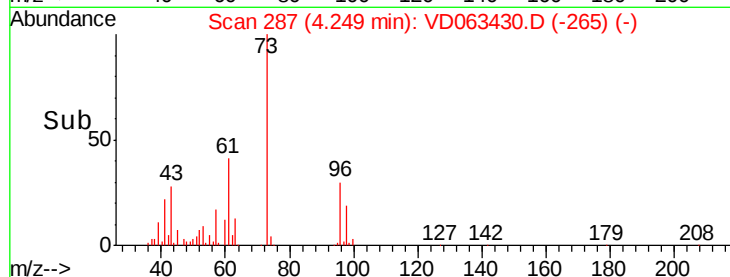
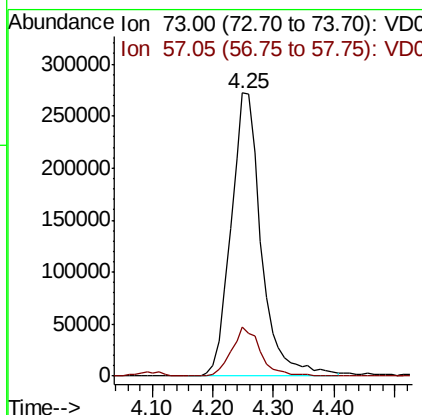
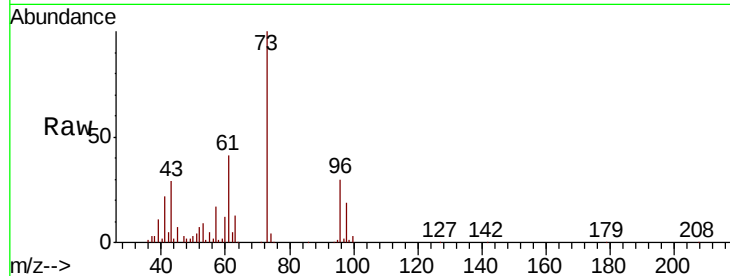




#19
Methyl tert-butyl Ether
Concen: 48.620 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

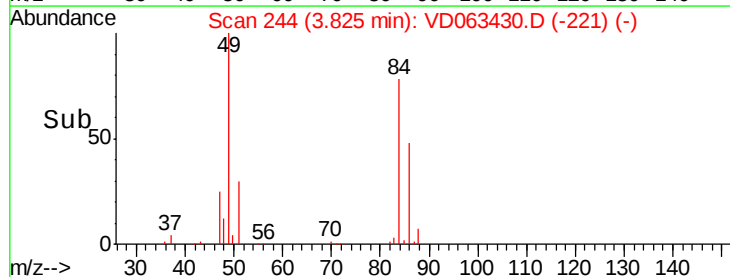
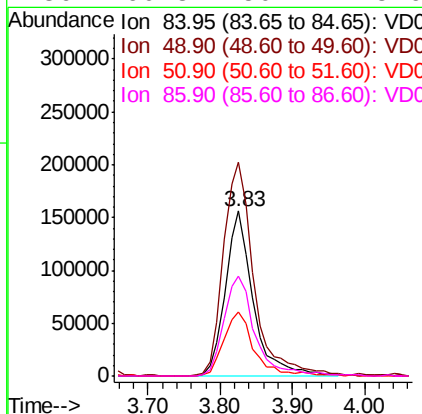
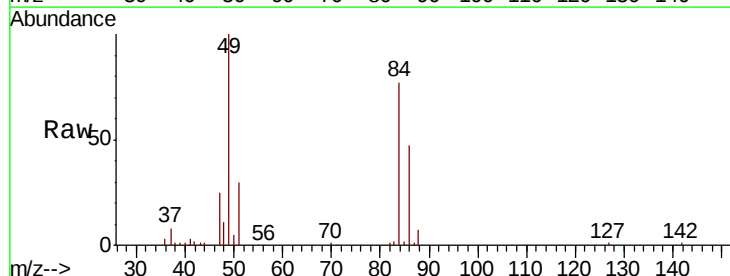
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

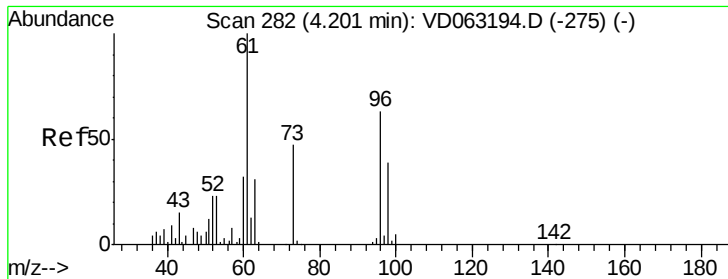
Tgt Ion: 73 Resp: 945126
Ion Ratio Lower Upper
73 100
57 17.4 13.8 20.6



#20
Methylene Chloride
Concen: 43.229 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 84 Resp: 419125
Ion Ratio Lower Upper
84 100
49 129.8 112.5 168.7
51 39.3 29.6 44.4
86 60.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 47.472 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

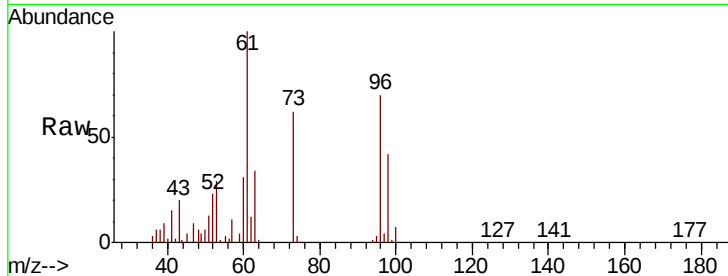
Tgt Ion: 96 Resp: 458376

Ion Ratio Lower Upper

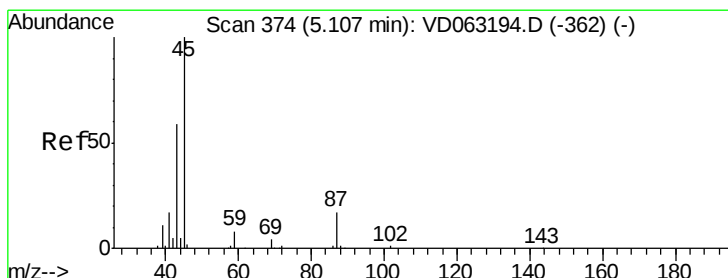
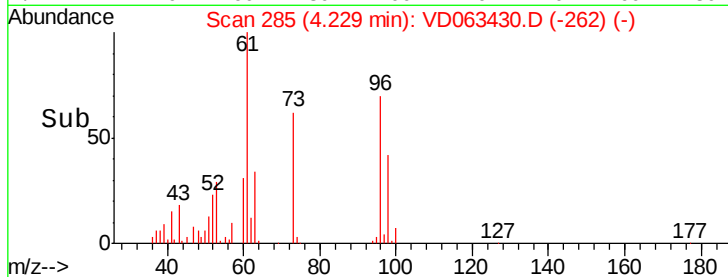
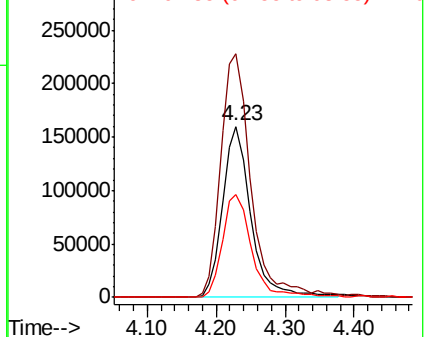
96 100

61 142.3 127.4 191.2

98 60.3 49.3 73.9



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: 48.072 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Tgt Ion: 45 Resp: 1316645

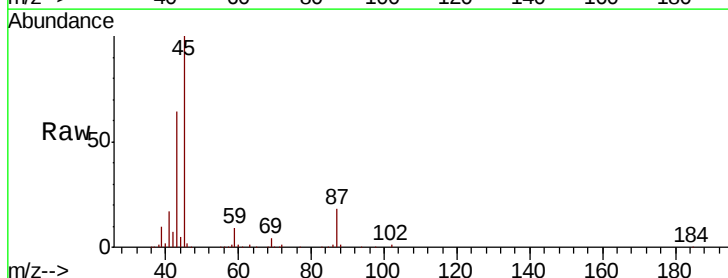
Ion Ratio Lower Upper

45 100

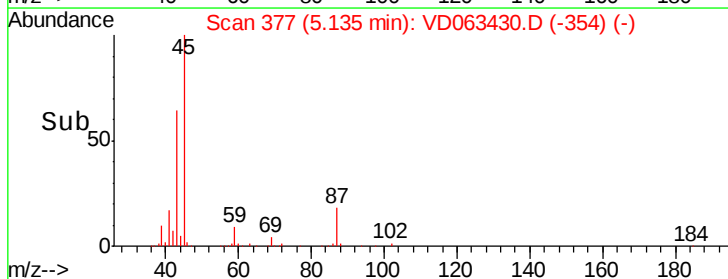
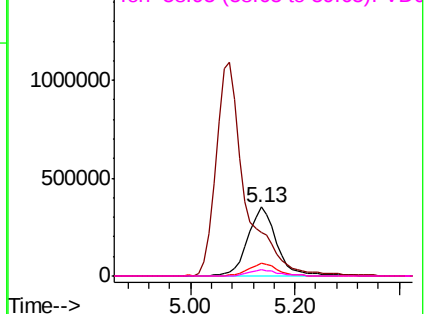
43 64.1 51.7 77.5

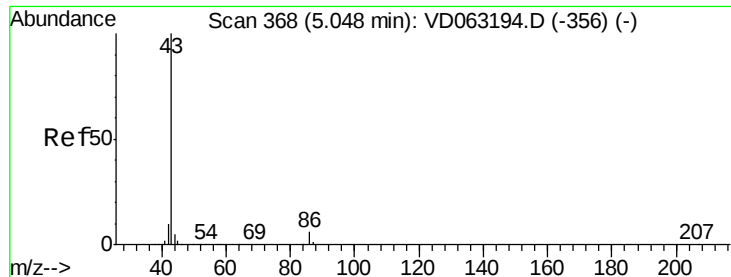
87 18.1 14.6 21.8

59 9.2 6.6 10.0



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: 248.668 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

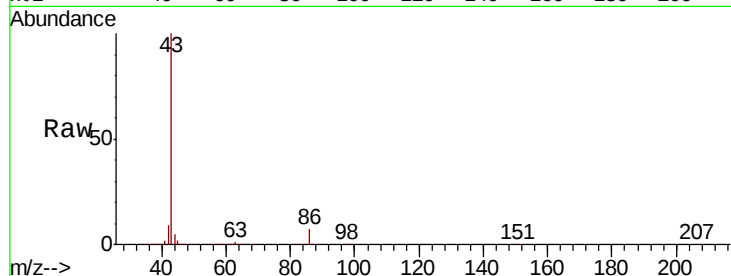
VSTDCCC050

Tgt Ion: 43 Resp: 4186618

Ion Ratio Lower Upper

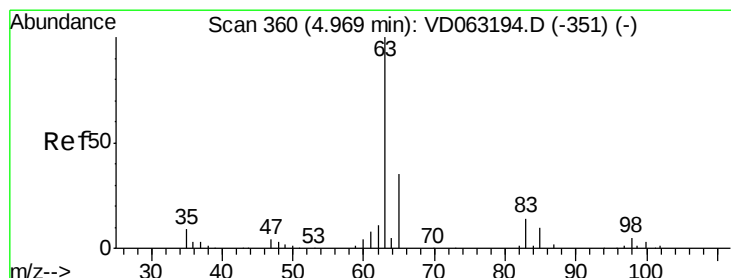
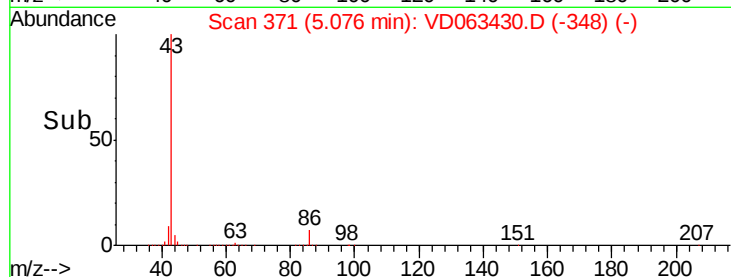
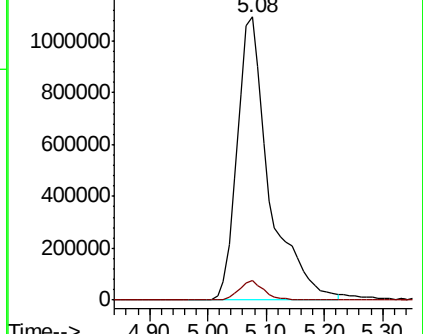
43 100

86 6.8 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.731 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

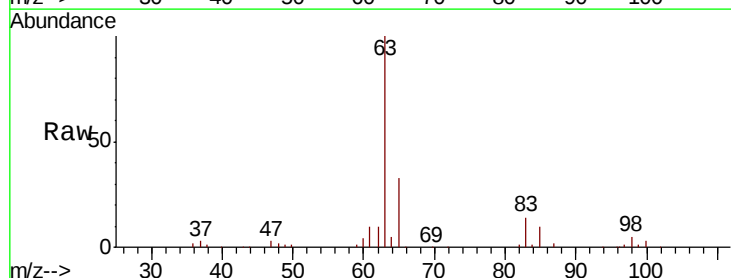
Tgt Ion: 63 Resp: 817558

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

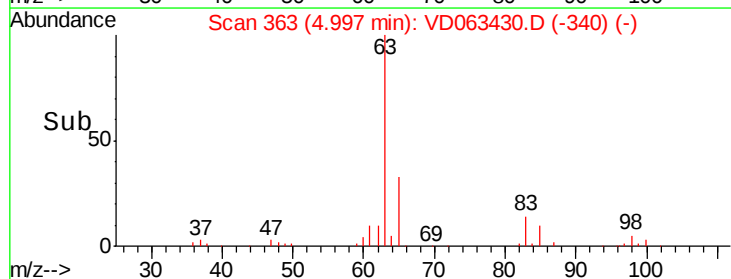
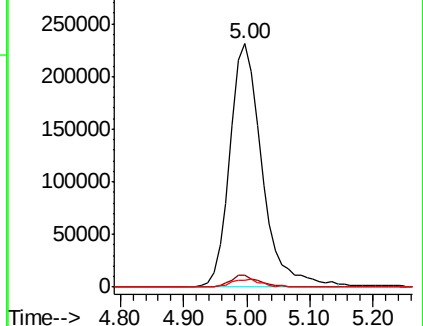
100 3.0 1.3 3.9

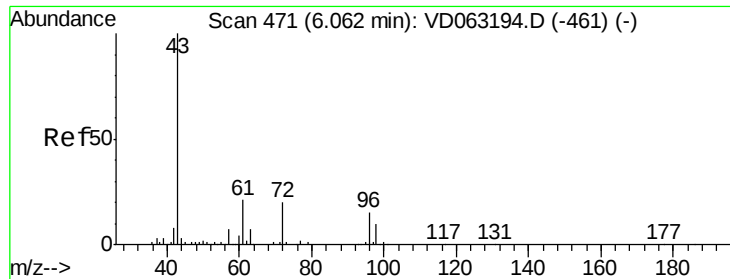


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 251.025 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

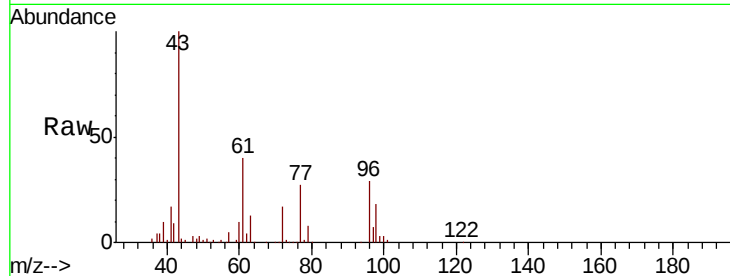
VSTDCCC050

Tgt Ion: 43 Resp: 604274

Ion Ratio Lower Upper

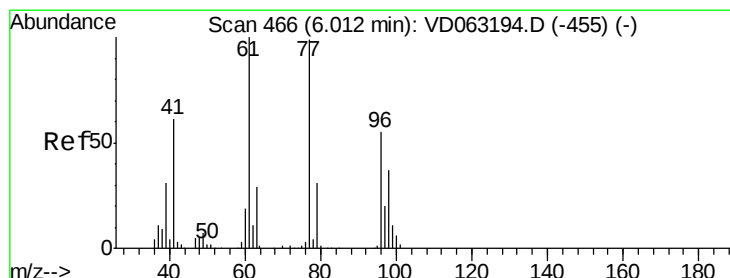
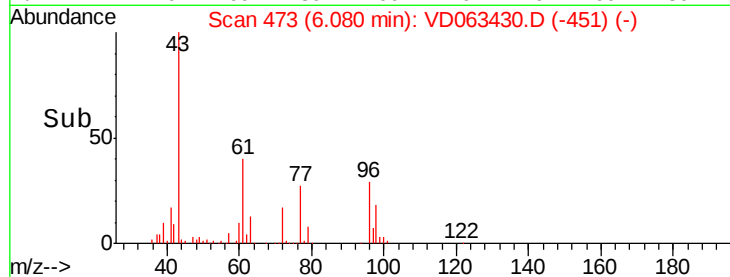
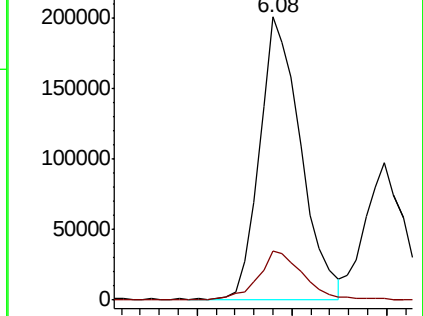
43 100

72 17.4 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.945 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063430.D

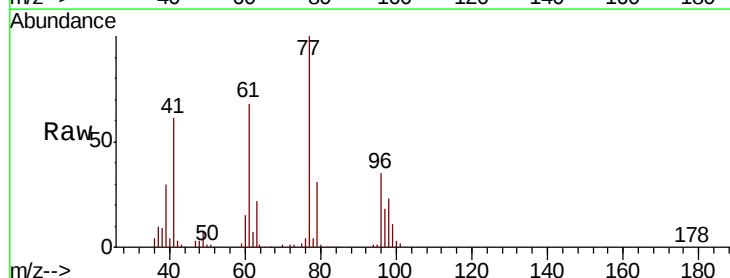
Acq: 8 Aug 2019 11:19

Tgt Ion: 77 Resp: 900475

Ion Ratio Lower Upper

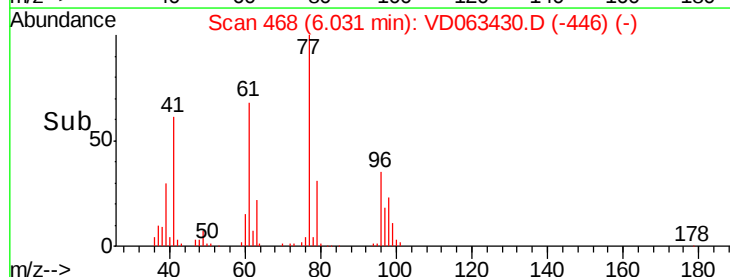
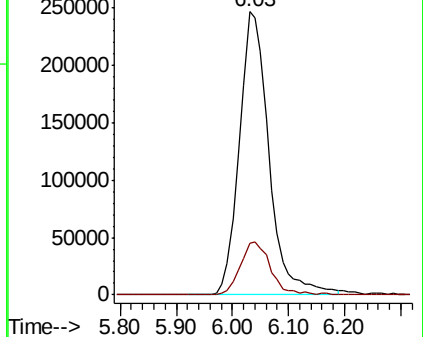
77 100

97 18.2 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 48.281 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

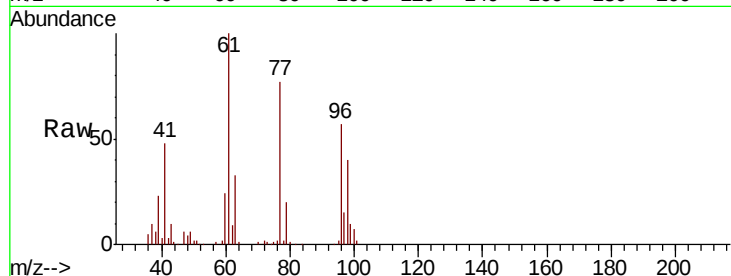
Tgt Ion: 96 Resp: 499825

Ion Ratio Lower Upper

96 100

61 174.5 0.0 337.2

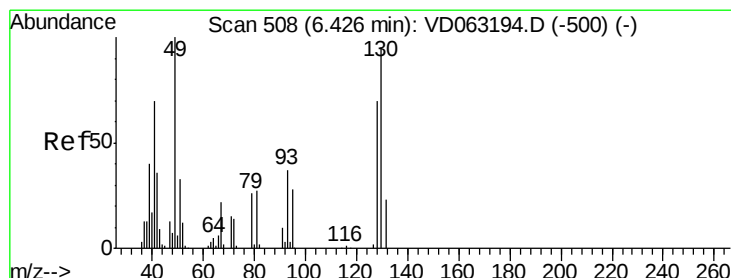
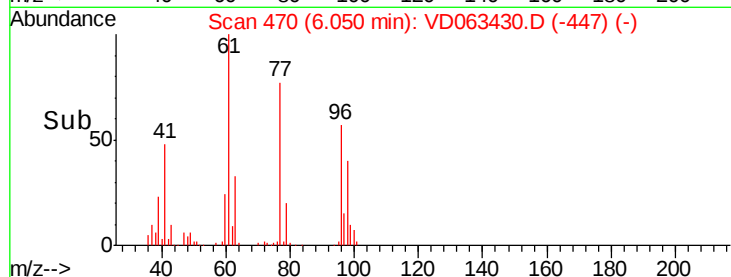
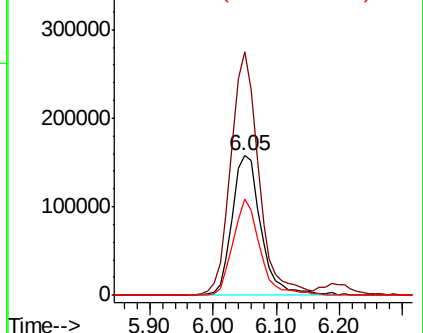
98 69.4 0.0 130.6



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: 47.938 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

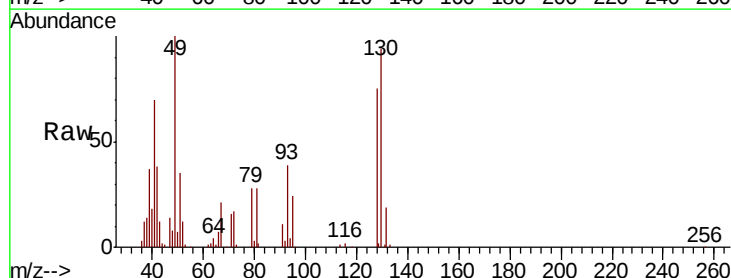
Tgt Ion: 49 Resp: 334153

Ion Ratio Lower Upper

49 100

129 1.6 0.0 0.0#

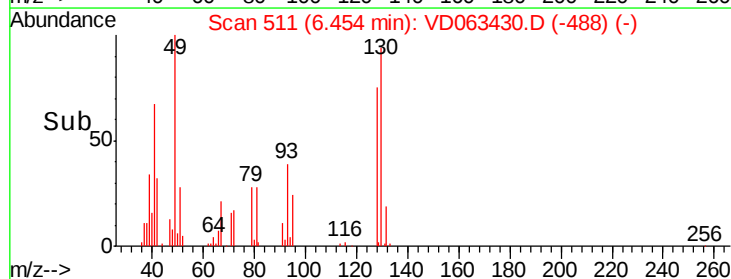
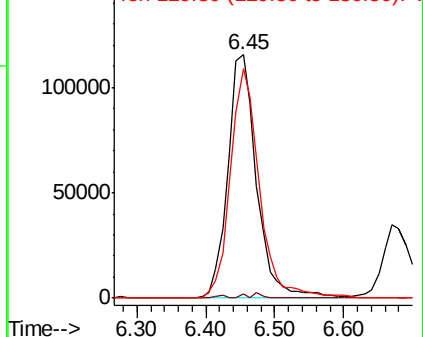
130 94.4 75.7 113.5

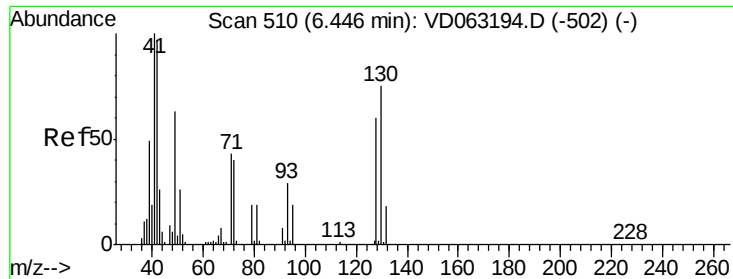


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 228.555 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

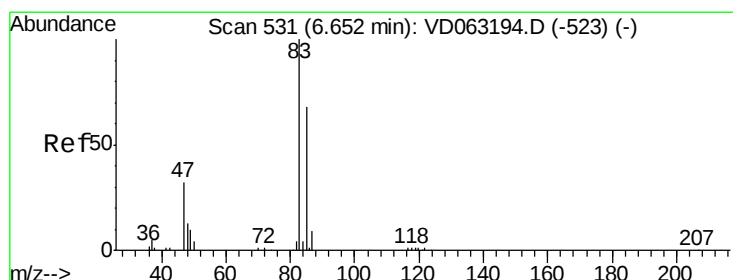
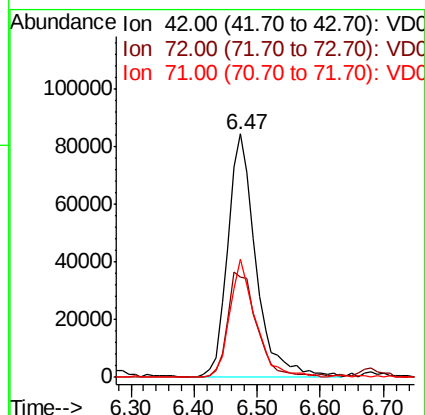
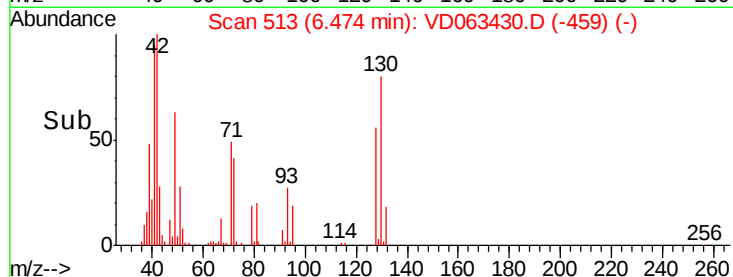
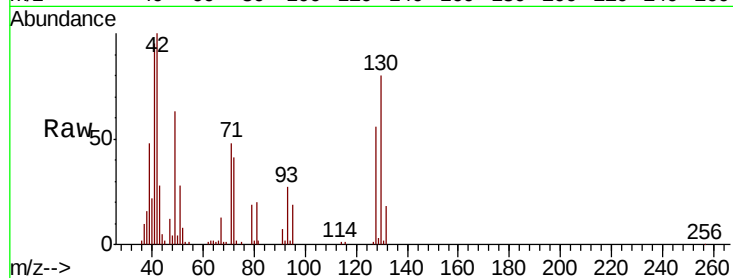
Tgt Ion: 42 Resp: 260484

Ion Ratio Lower Upper

42 100

72 44.7 33.4 50.2

71 44.4 35.7 53.5



#30

Chloroform

Concen: 47.771 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.03 min

Lab File: VD063430.D

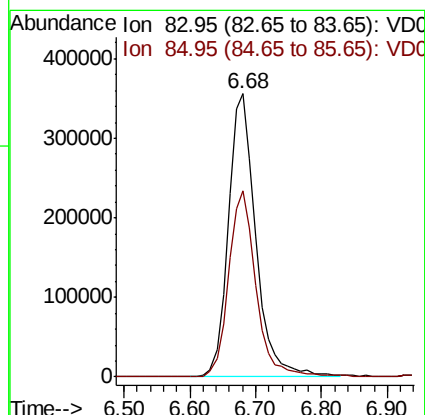
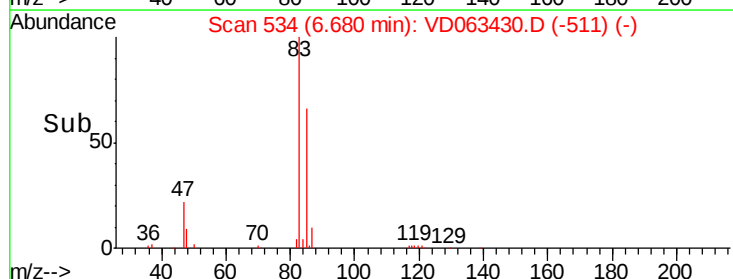
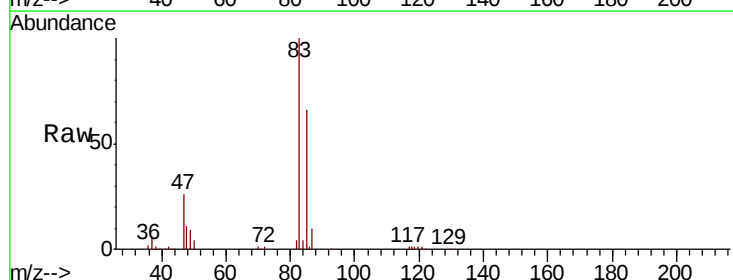
Acq: 8 Aug 2019 11:19

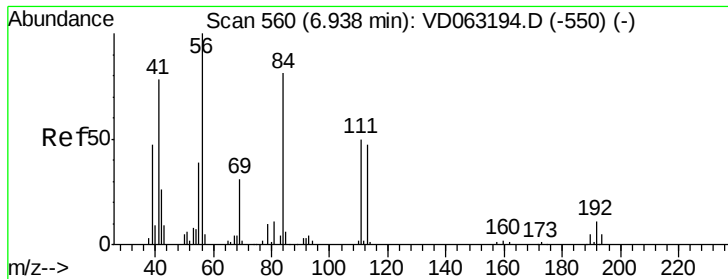
Tgt Ion: 83 Resp: 1037178

Ion Ratio Lower Upper

83 100

85 65.8 54.2 81.4

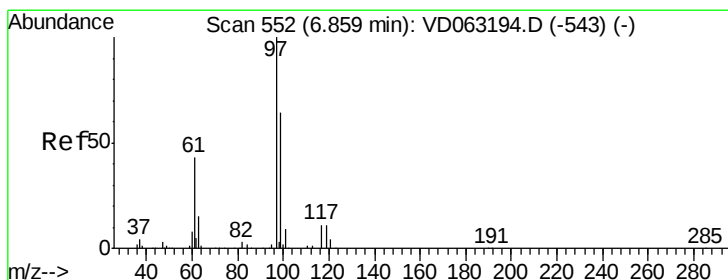
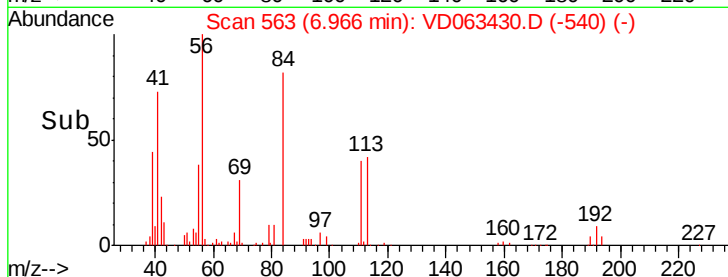
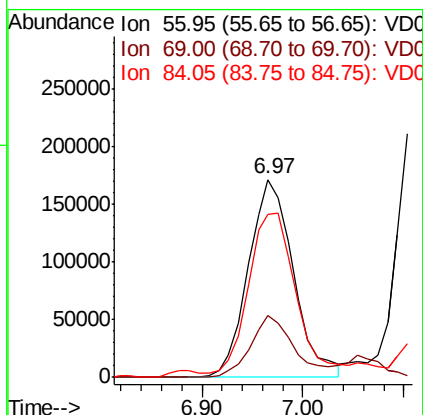
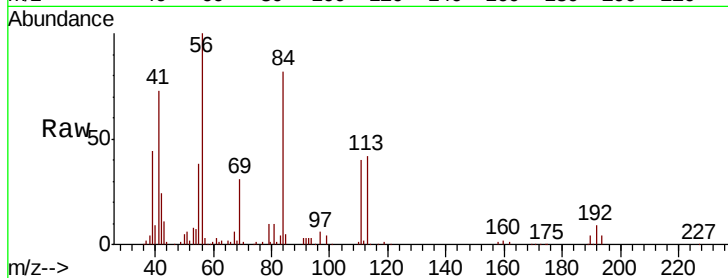




#31
Cyclohexane
Concen: 48.399 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

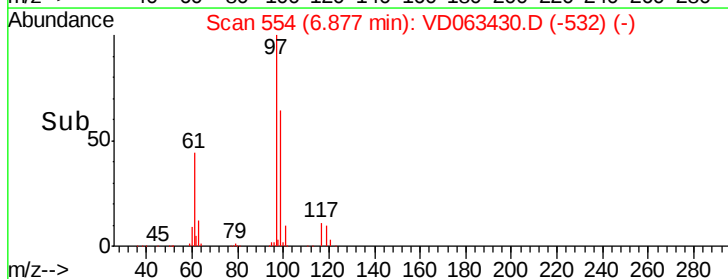
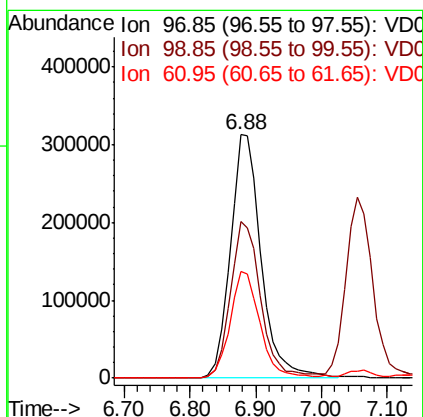
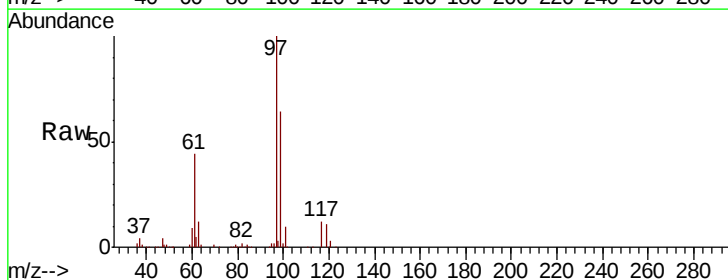
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

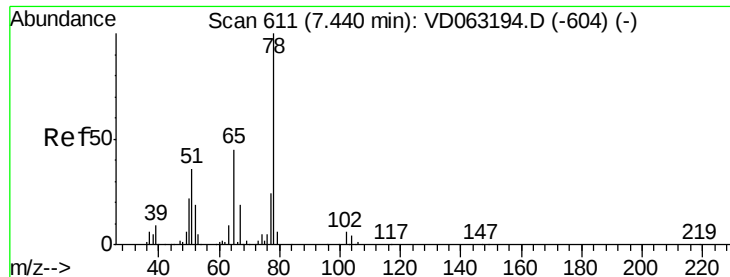
Tgt Ion: 56 Resp: 530739
Ion Ratio Lower Upper
56 100
69 31.3 24.5 36.7
84 82.5 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 48.772 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 97 Resp: 1024240
Ion Ratio Lower Upper
97 100
99 64.4 51.2 76.8
61 43.8 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.832 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

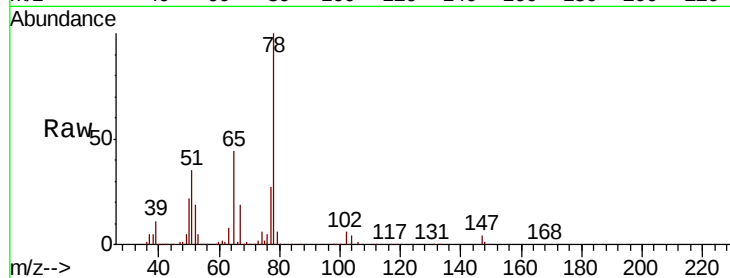
VSTDCCC050

Tgt Ion: 65 Resp: 588852

Ion Ratio Lower Upper

65 100

67 42.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

250000

200000

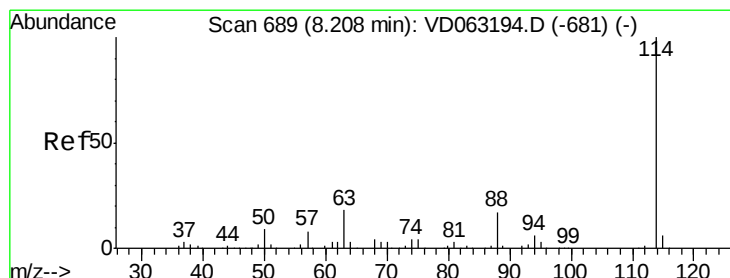
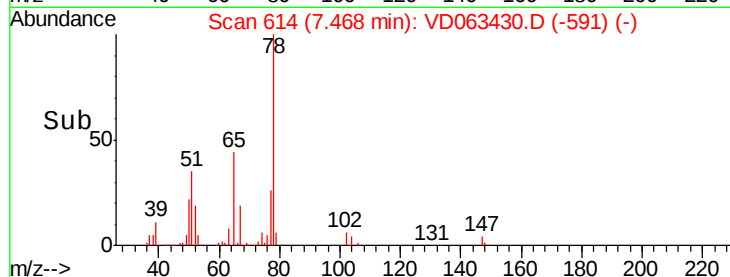
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

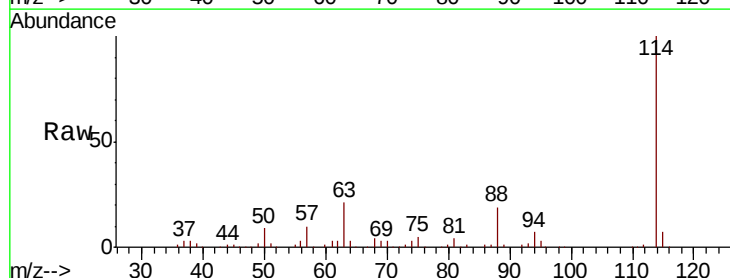
Tgt Ion: 114 Resp: 1490409

Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.2

88 18.7 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

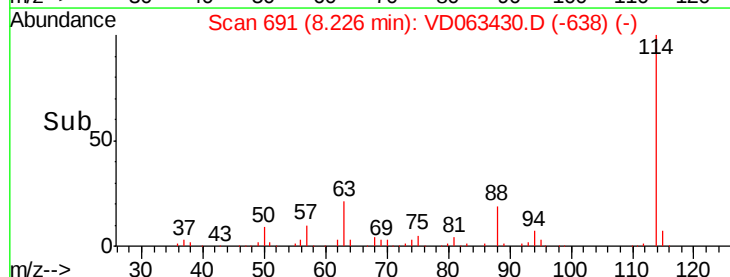
600000

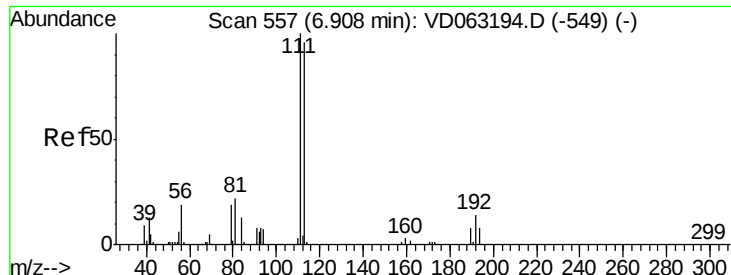
400000

200000

0

Time-->

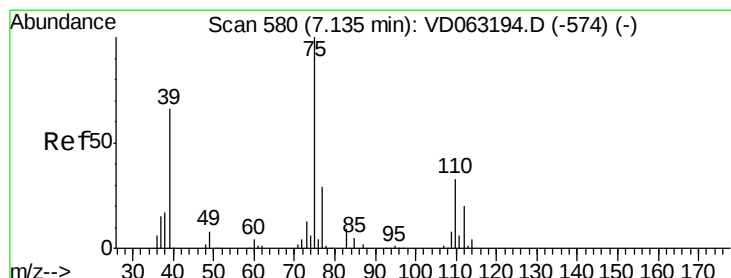
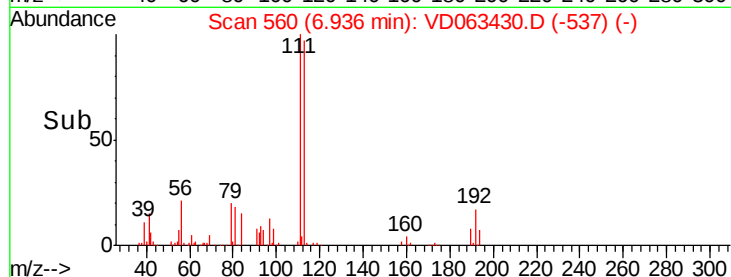
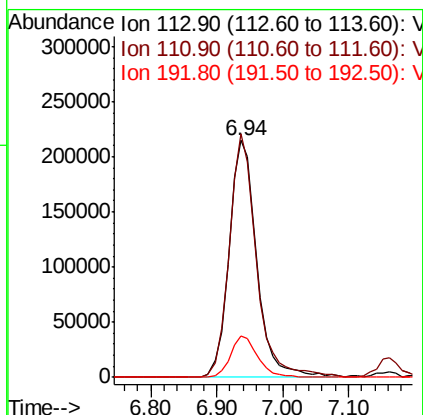
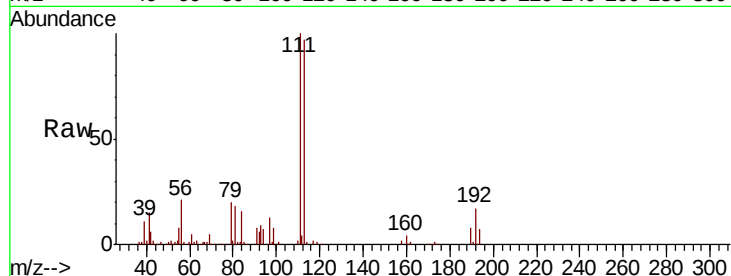




#35
 Dibromofluoromethane
 Concen: 49.838 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

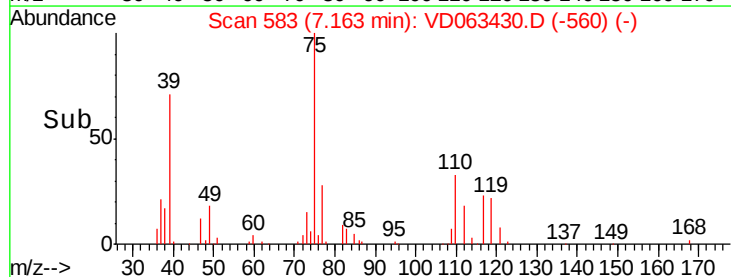
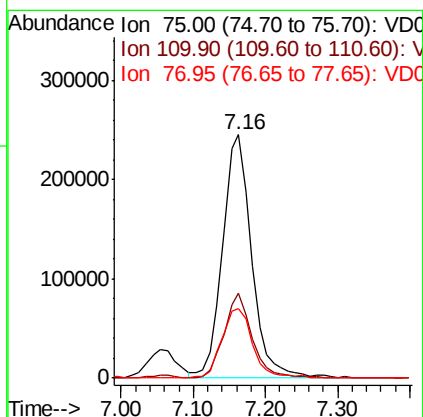
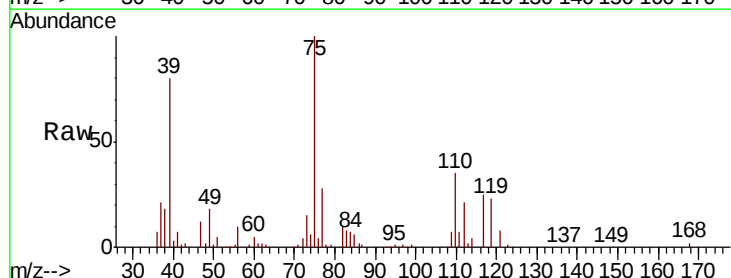
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

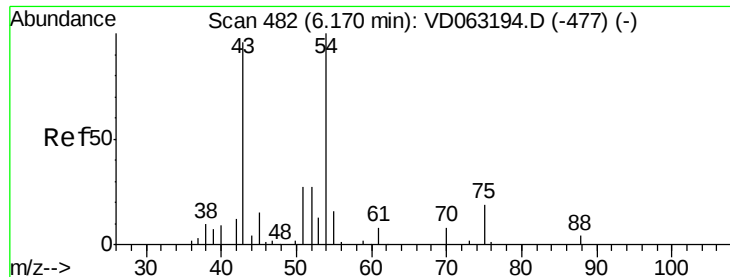
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.2	124.8
192	17.2	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 50.109 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.03 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.1	48.2
77	28.3	22.7	34.1

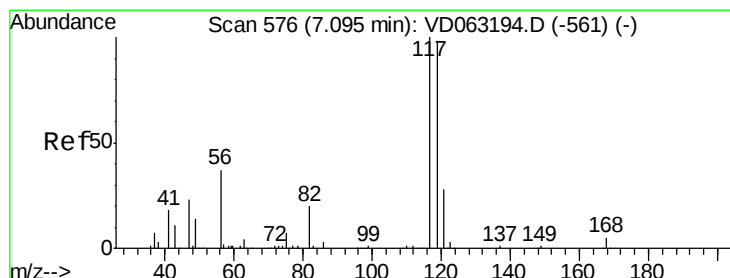
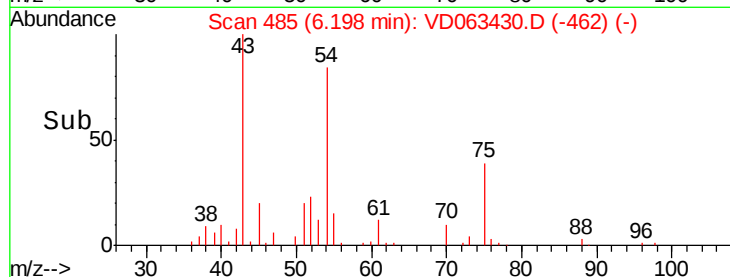
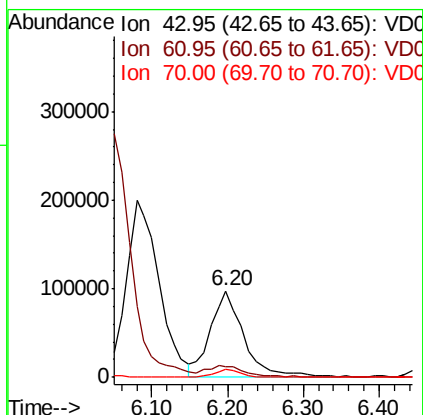
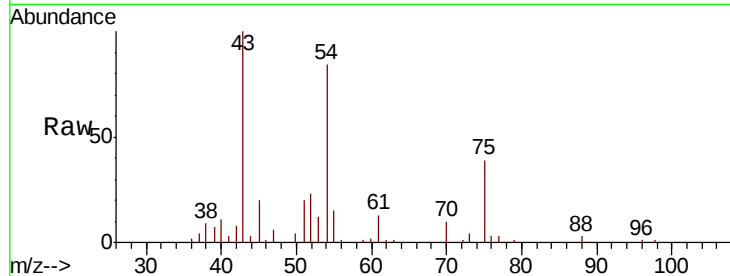




#37
 Ethyl Acetate
 Concen: 47.999 ug/l
 RT: 6.20 min Scan# 485
 Delta R.T. 0.03 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

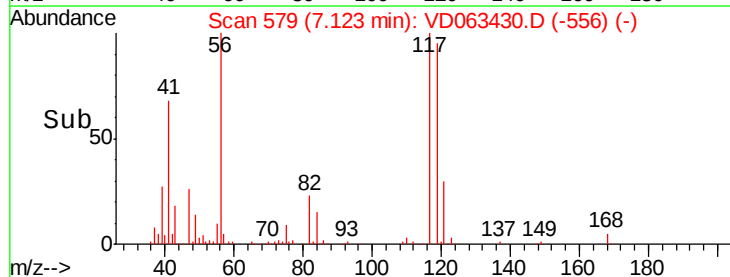
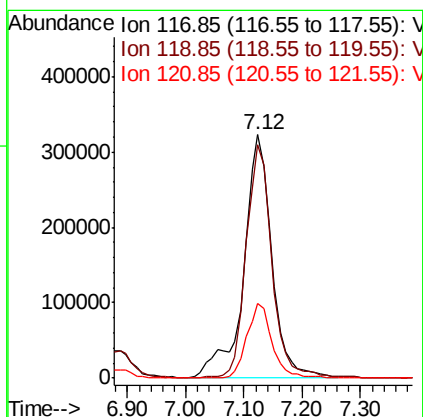
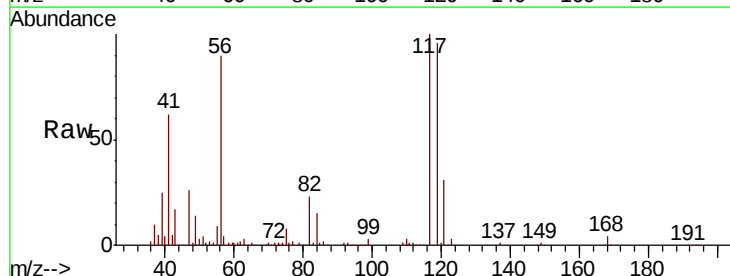
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

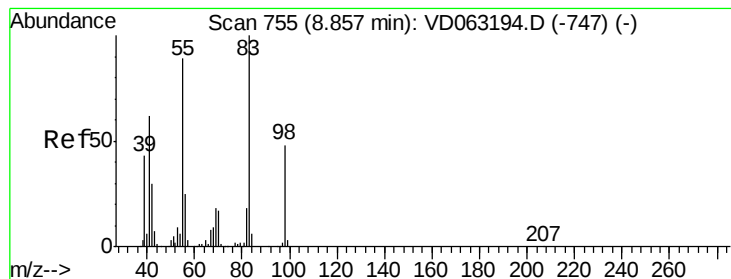
Tgt Ion: 43 Resp: 293315
 Ion Ratio Lower Upper
 43 100
 61 12.7 11.3 16.9
 70 9.8 5.1 7.7#



#38
 Carbon Tetrachloride
 Concen: 53.374 ug/l
 RT: 7.12 min Scan# 579
 Delta R.T. 0.03 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion: 117 Resp: 1092953
 Ion Ratio Lower Upper
 117 100
 119 95.9 78.2 117.2
 121 30.7 22.1 33.1





#39

Methylcyclohexane

Concen: 50.226 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

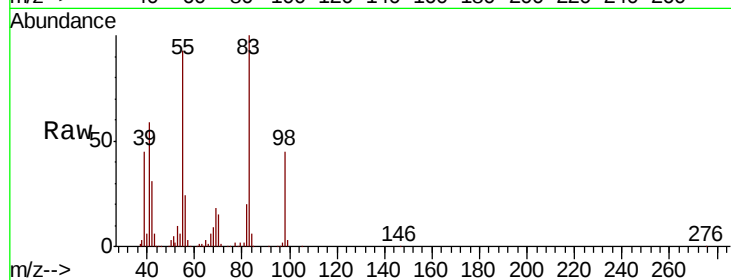
Tgt Ion: 83 Resp: 569188

Ion Ratio Lower Upper

83 100

55 93.0 71.1 106.7

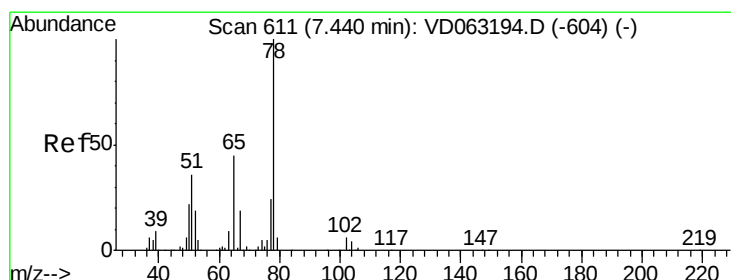
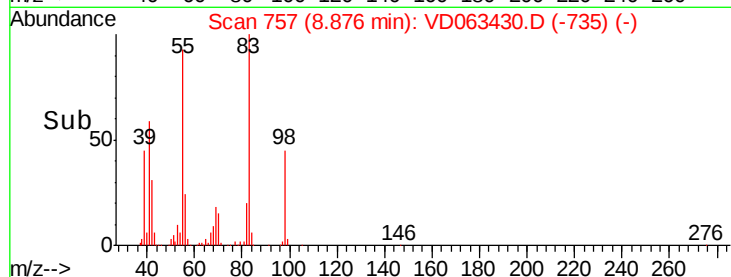
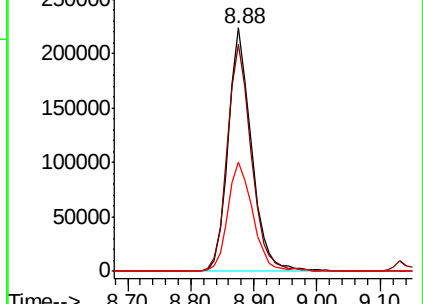
98 44.7 38.5 57.7



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: 50.566 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD063430.D

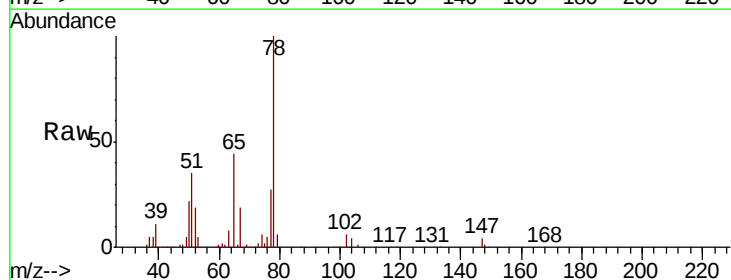
Acq: 8 Aug 2019 11:19

Tgt Ion: 78 Resp: 1441494

Ion Ratio Lower Upper

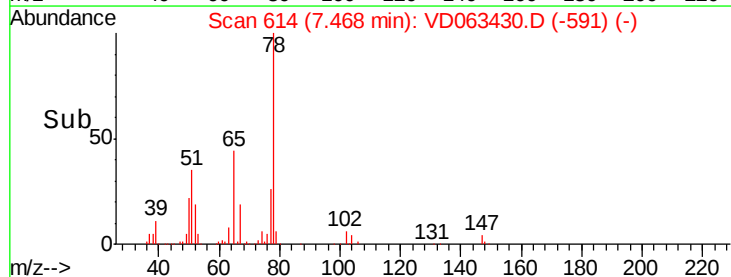
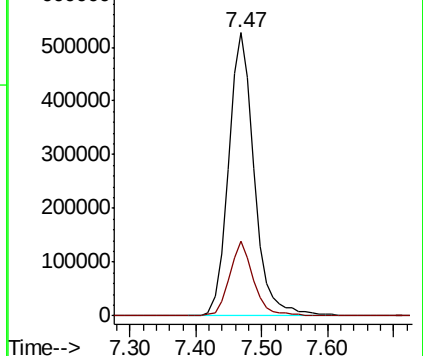
78 100

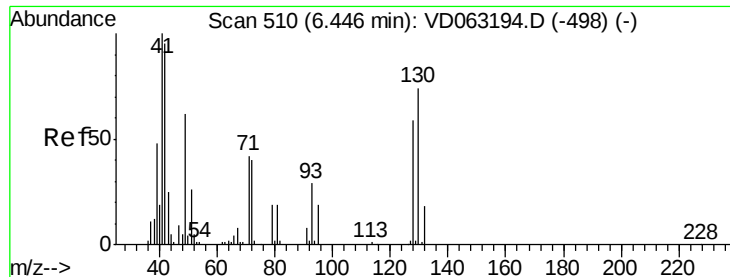
77 26.5 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 49.944 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 365074

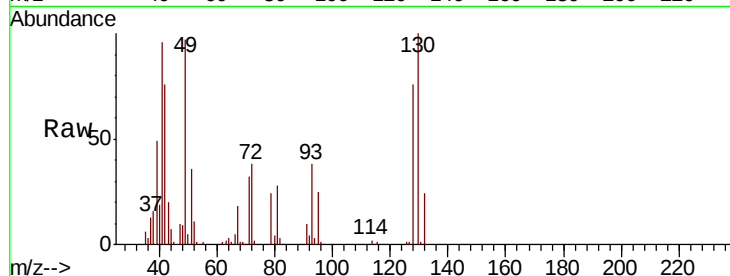
Ion Ratio Lower Upper

41 100

39 51.3 38.4 57.6

67 19.2 6.7 10.1#

52 11.2 4.3 6.5#

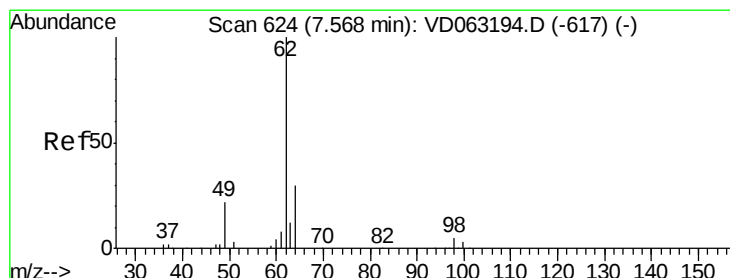
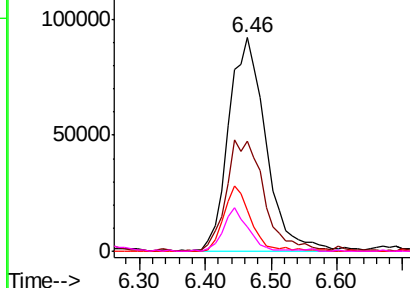
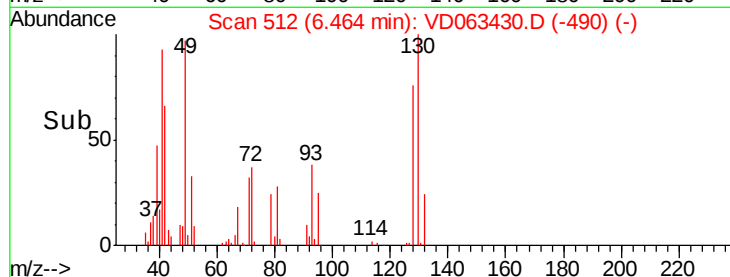


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 46.975 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.03 min

Lab File: VD063430.D

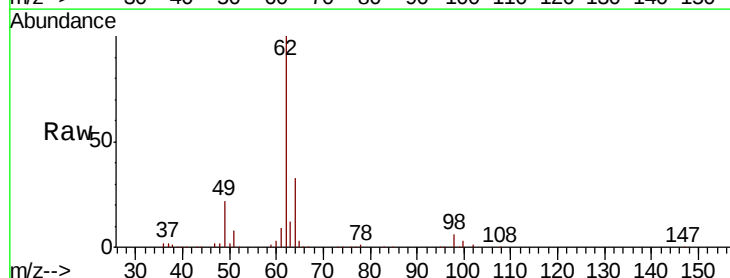
Acq: 8 Aug 2019 11:19

Tgt Ion: 62 Resp: 709707

Ion Ratio Lower Upper

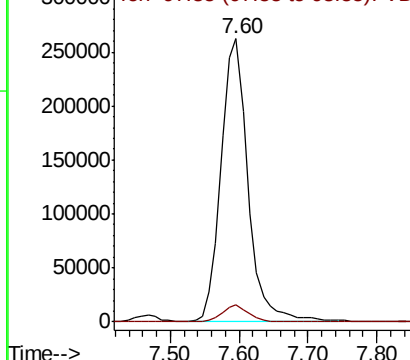
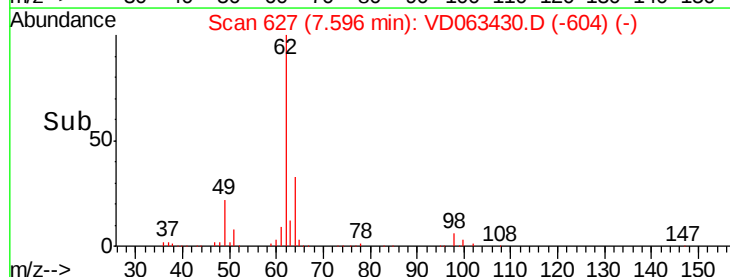
62 100

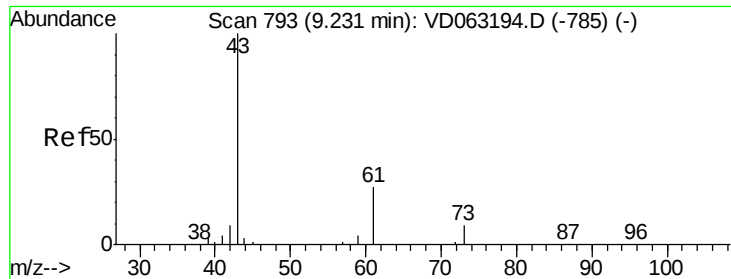
98 5.9 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



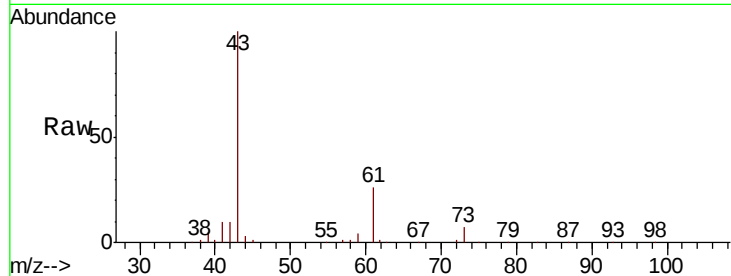


#43

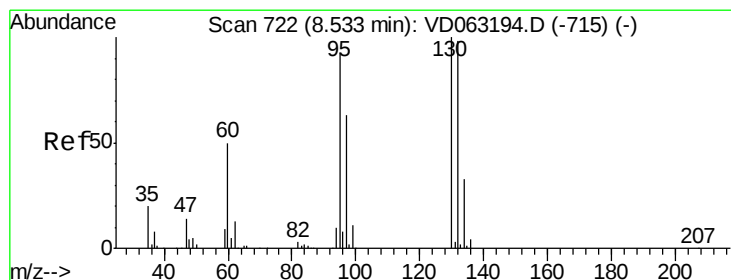
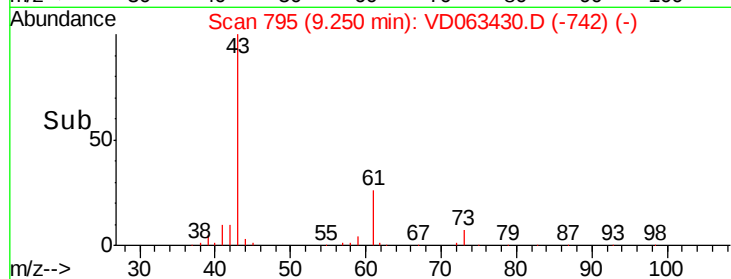
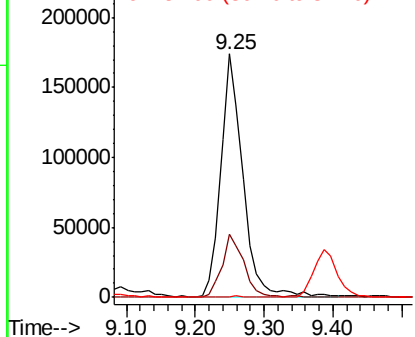
Isopropyl Acetate
 Concen: 50.114 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 391183
 Ion Ratio Lower Upper
 43 100
 61 25.9 21.4 32.0
 87 0.3 0.2 0.4



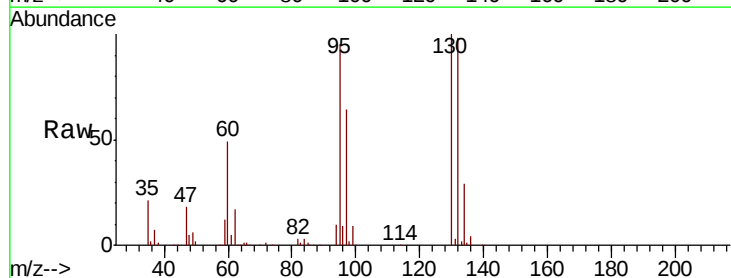
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



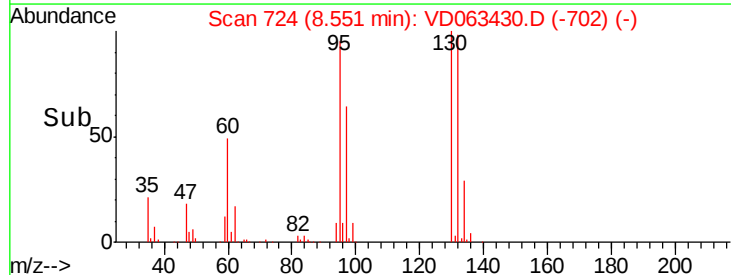
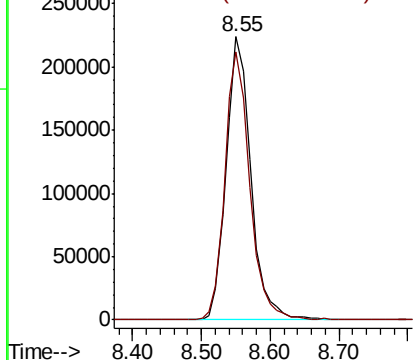
#44

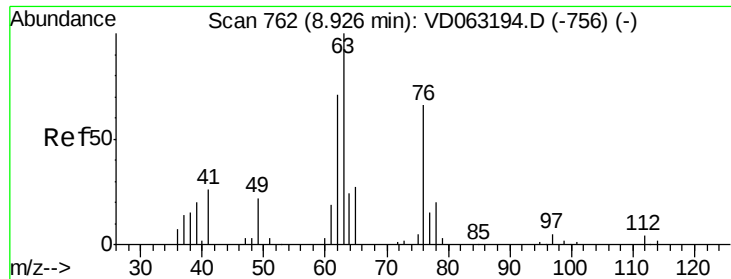
Trichloroethene
 Concen: 48.290 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion: 130 Resp: 557810
 Ion Ratio Lower Upper
 130 100
 95 94.9 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 48.567 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

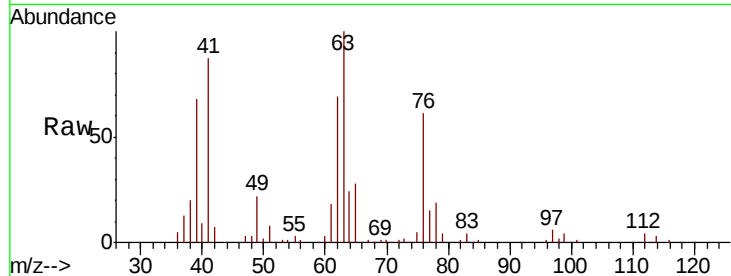
VSTDCCC050

Tgt Ion: 63 Resp: 351907

Ion Ratio Lower Upper

63 100

65 27.9 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

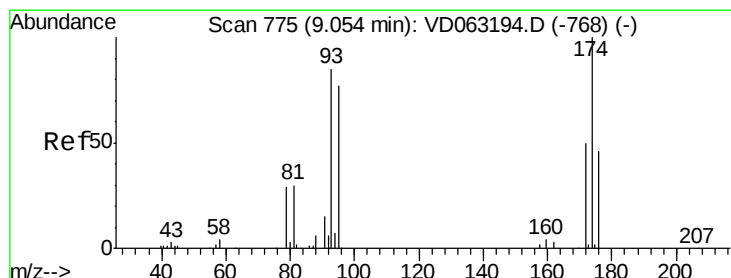
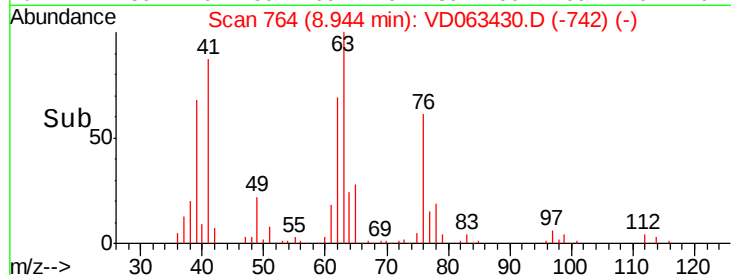
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.021 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

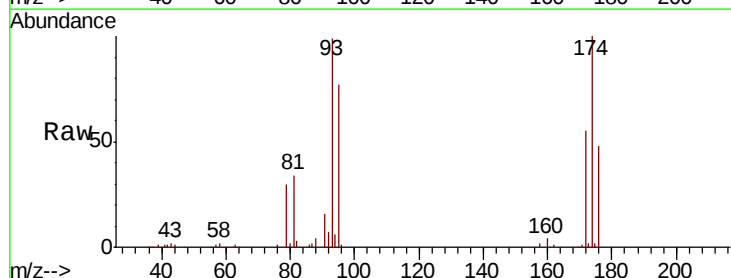
Tgt Ion: 93 Resp: 295337

Ion Ratio Lower Upper

93 100

95 77.3 72.8 109.2

174 100.8 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

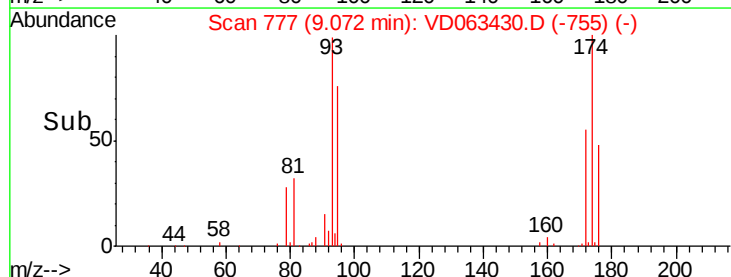
150000

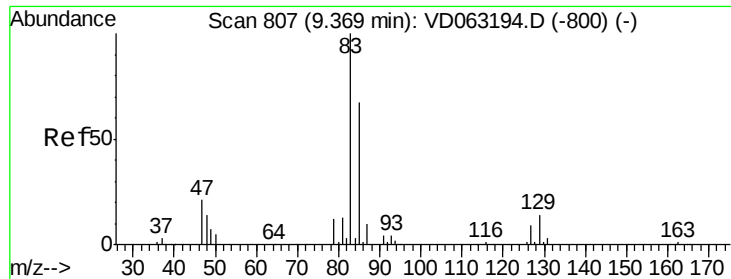
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 50.482 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

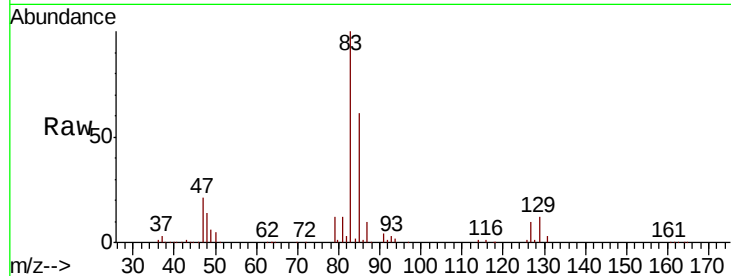
Tgt Ion: 83 Resp: 775278

Ion Ratio Lower Upper

83 100

85 61.4 53.6 80.4

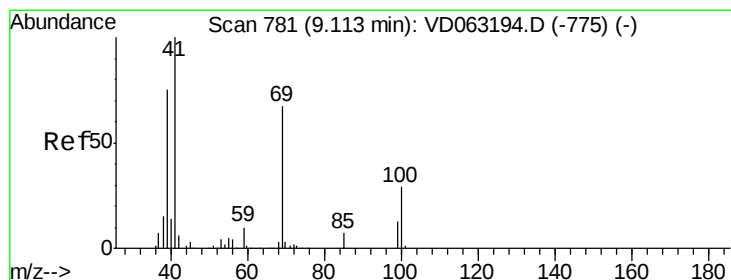
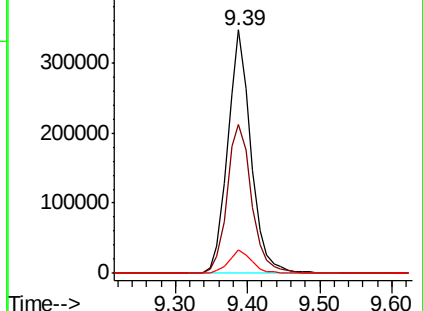
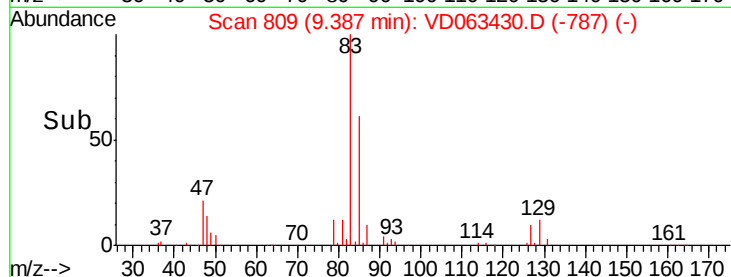
127 9.6 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.205 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

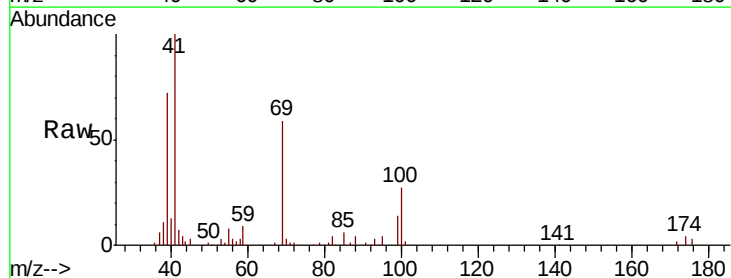
Tgt Ion: 41 Resp: 259229

Ion Ratio Lower Upper

41 100

69 58.7 53.4 80.0

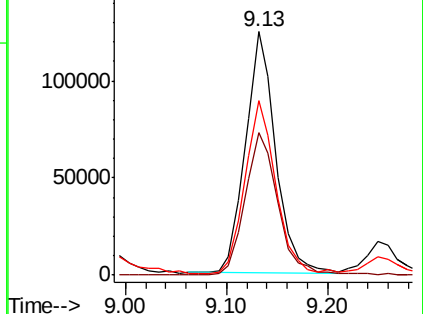
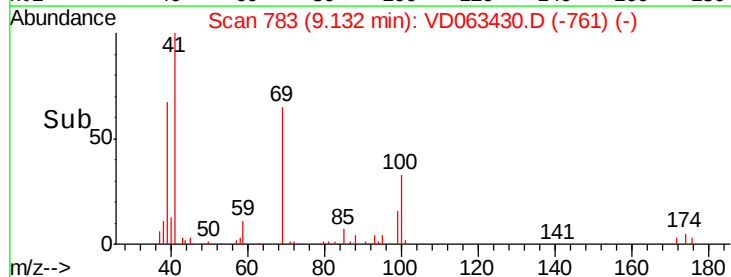
39 71.7 60.3 90.5

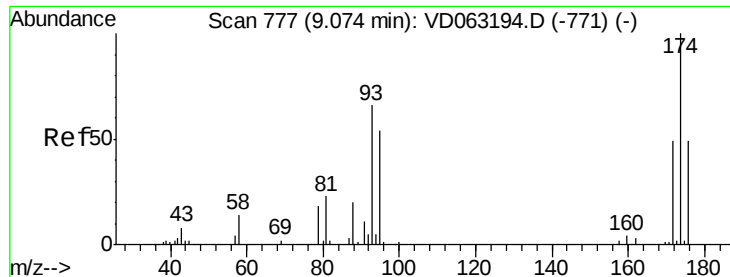


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

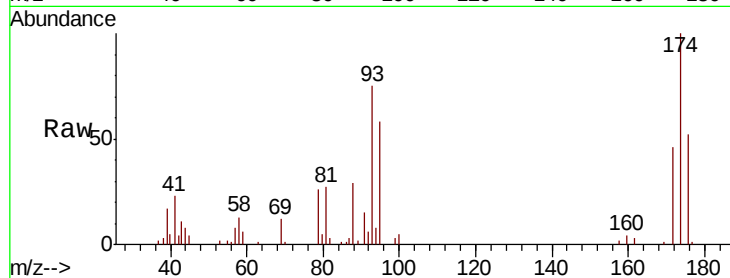




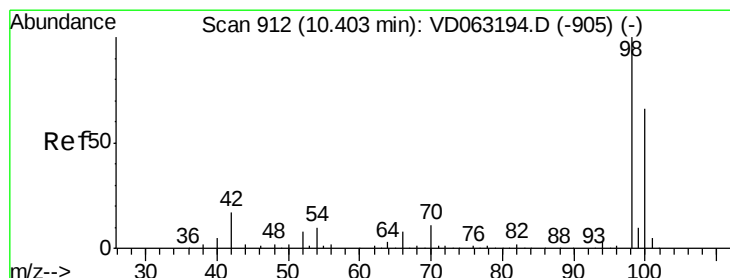
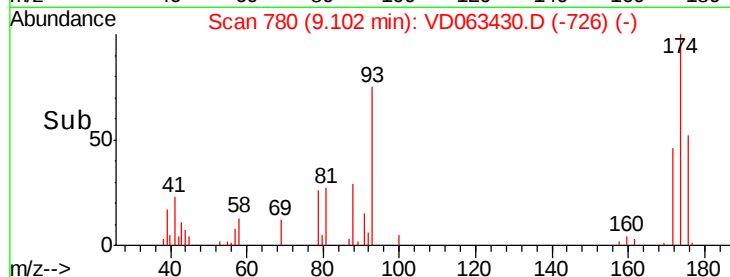
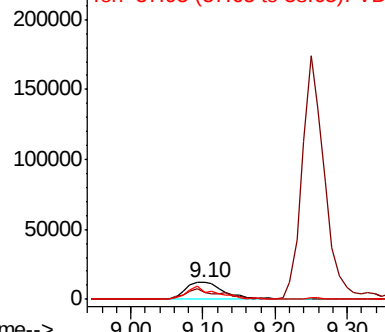
#49
1,4-Dioxane
Concen: 1047.044 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.03 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 44895
Ion Ratio Lower Upper
88 100
43 37.3 30.7 46.1
58 44.8 56.5 84.7#

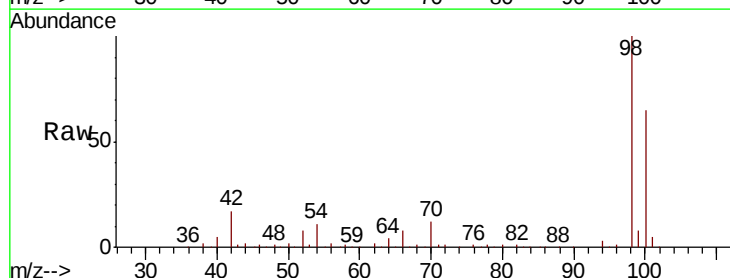


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

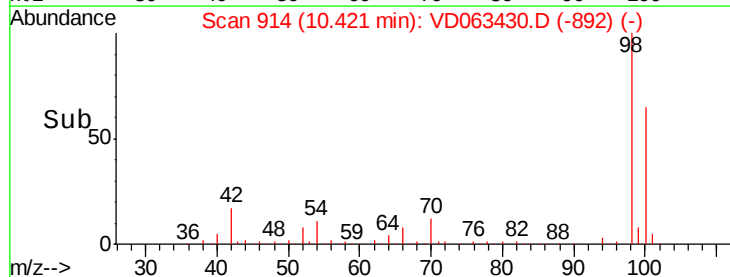
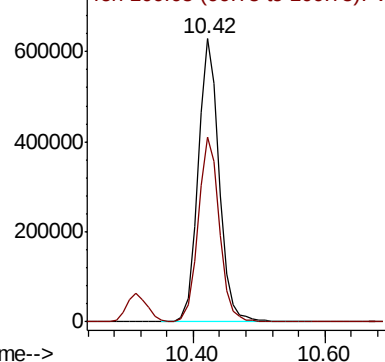


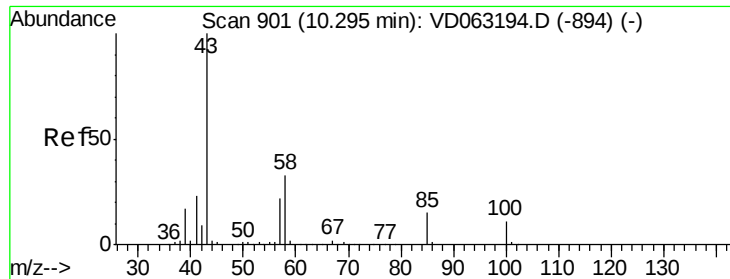
#50
Toluene-d8
Concen: 49.176 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 98 Resp: 1400446
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8



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

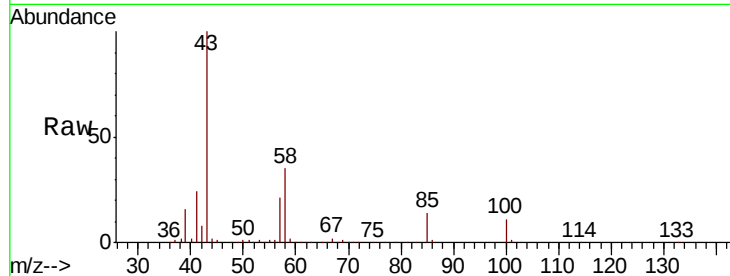




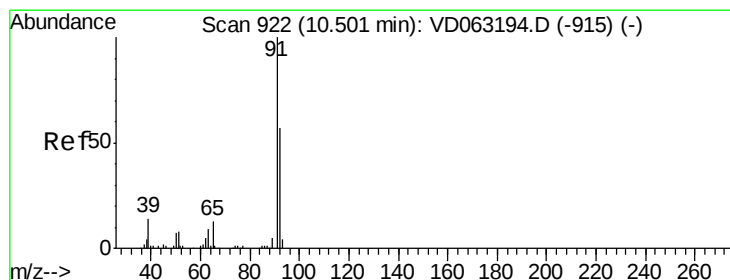
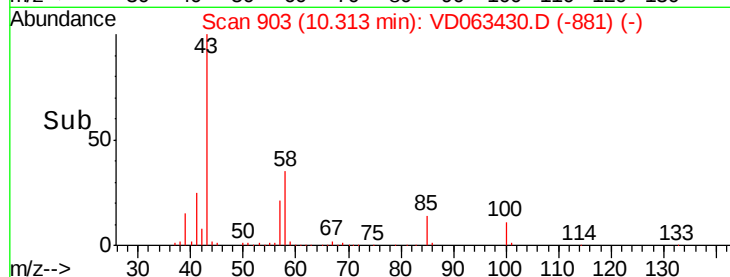
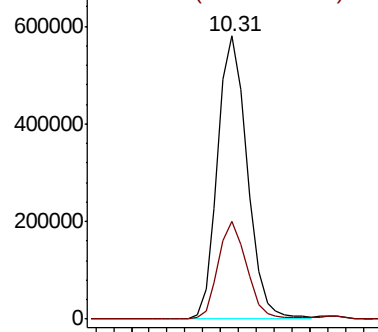
#51
4-Methyl-2-Pentanone
Concen: 251.894 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1337213
Ion Ratio Lower Upper
43 100
58 34.6 26.2 39.2

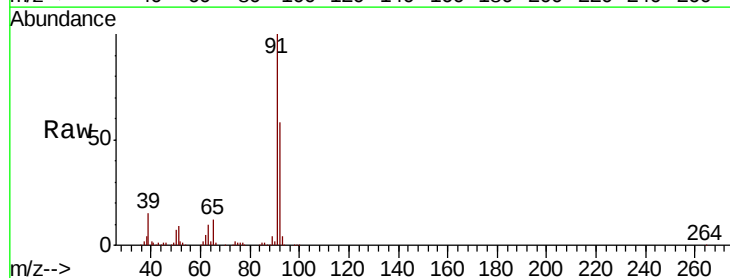


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

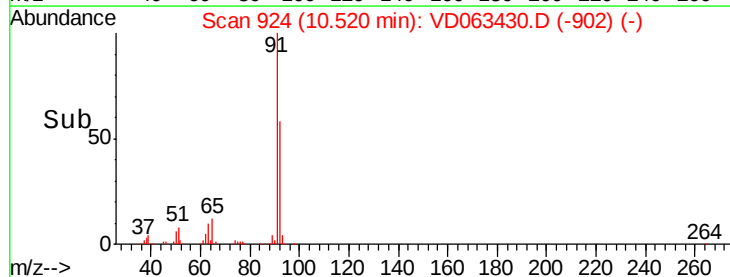
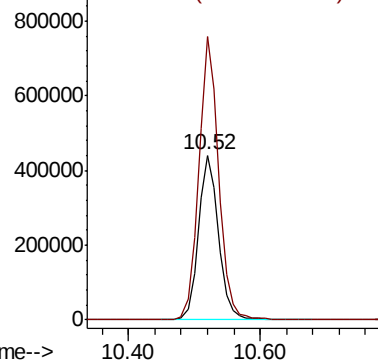


#52
Toluene
Concen: 49.305 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 92 Resp: 934825
Ion Ratio Lower Upper
92 100
91 172.2 140.8 211.2



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

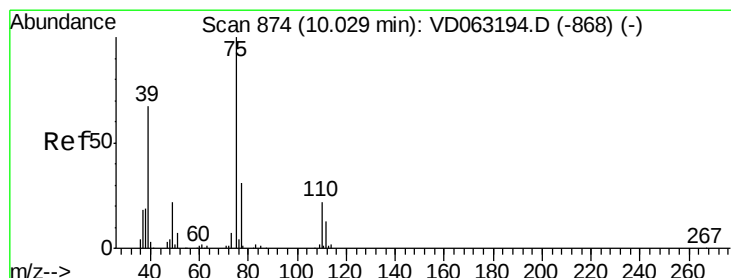
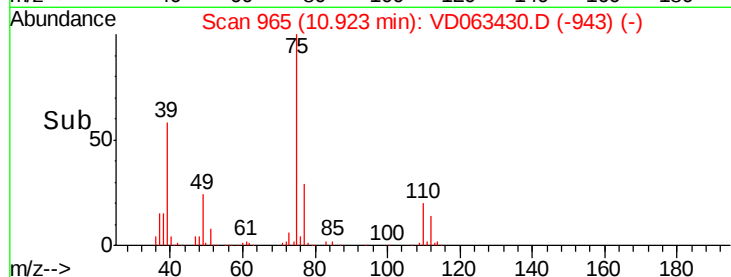
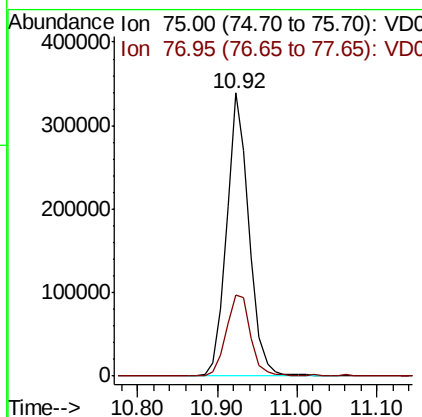
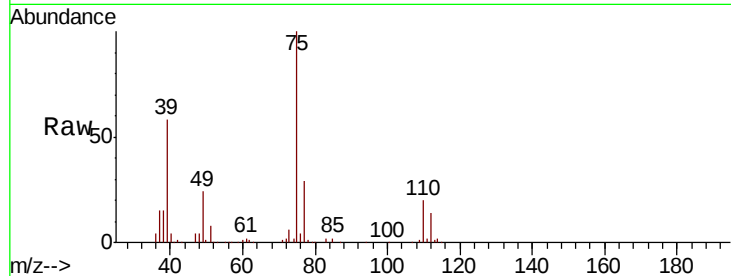




#53
 t-1,3-Dichloropropene
 Concen: 50.354 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

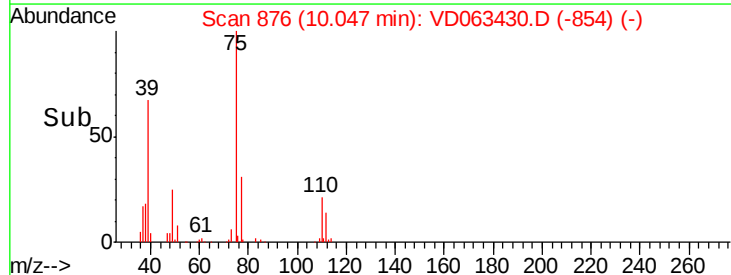
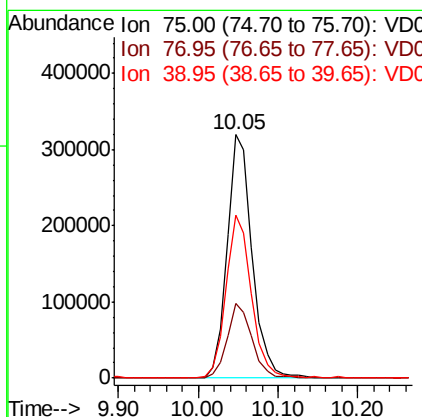
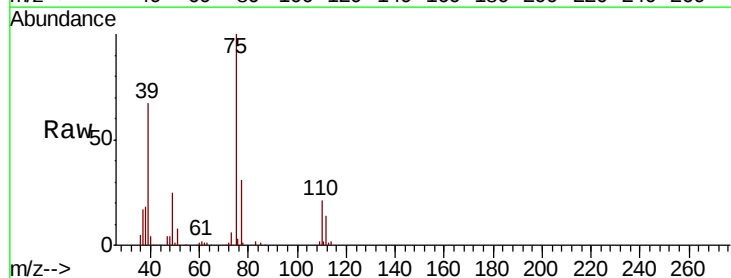
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

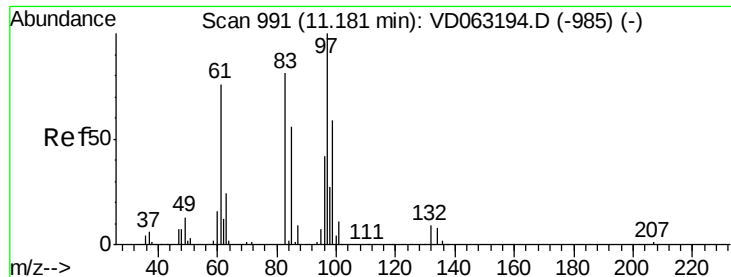
Tgt Ion: 75 Resp: 666705
 Ion Ratio Lower Upper
 75 100
 77 28.7 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 50.610 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion: 75 Resp: 704251
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.9 37.3
 39 66.9 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 47.262 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 302642

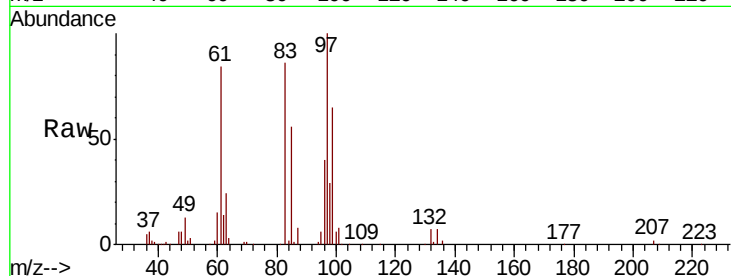
Ion Ratio Lower Upper

97 100

83 86.3 64.8 97.2

85 55.8 44.9 67.3

99 64.9 47.2 70.8

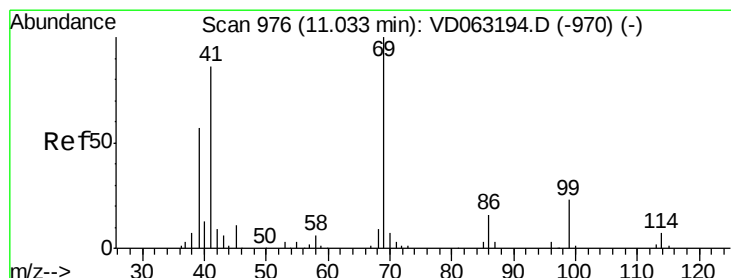
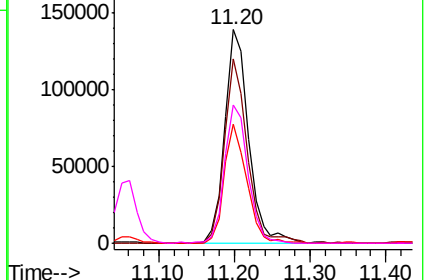
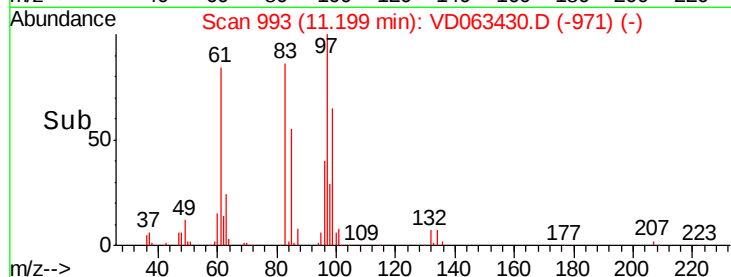


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.768 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

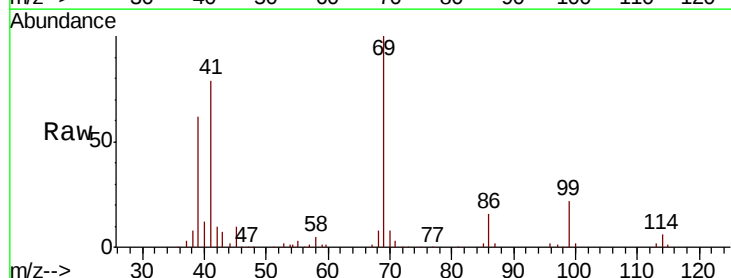
Tgt Ion: 69 Resp: 362993

Ion Ratio Lower Upper

69 100

41 78.8 68.8 103.2

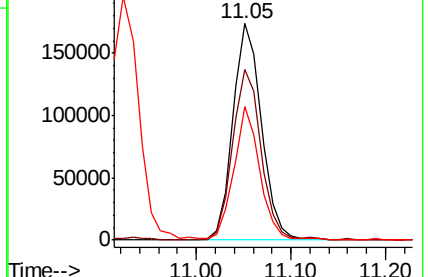
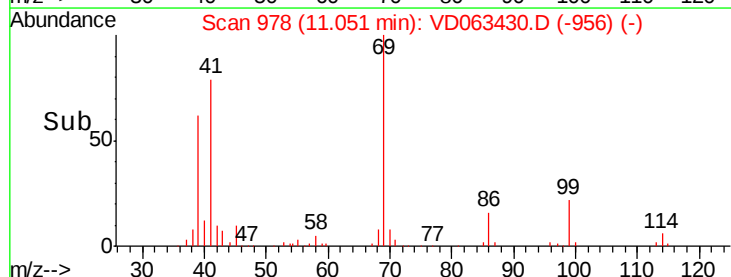
39 61.6 45.8 68.8

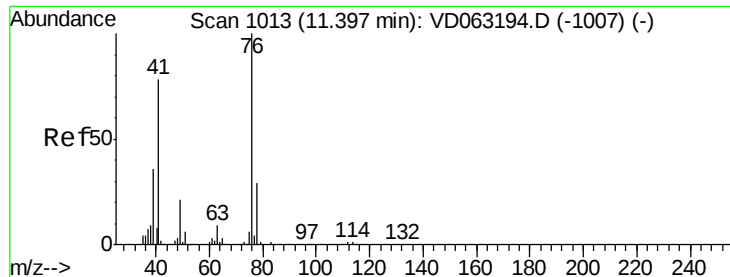


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.227 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

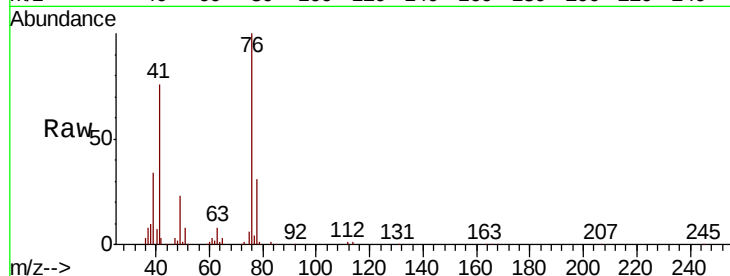
VSTDCCC050

Tgt Ion: 76 Resp: 506747

Ion Ratio Lower Upper

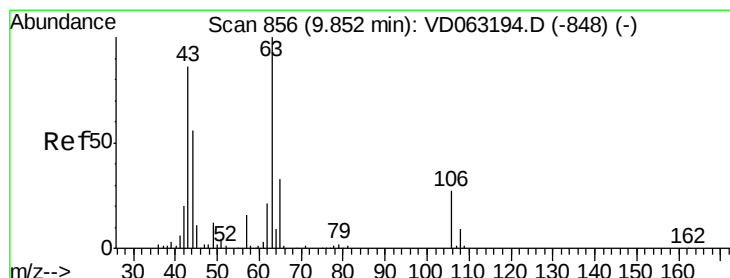
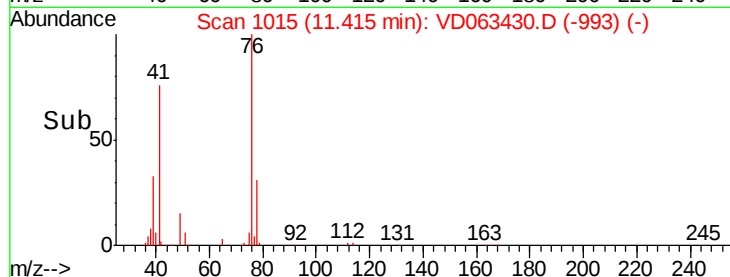
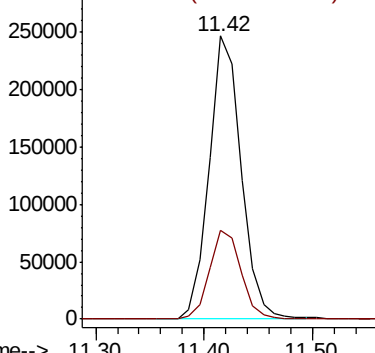
76 100

78 31.3 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 256.528 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD063430.D

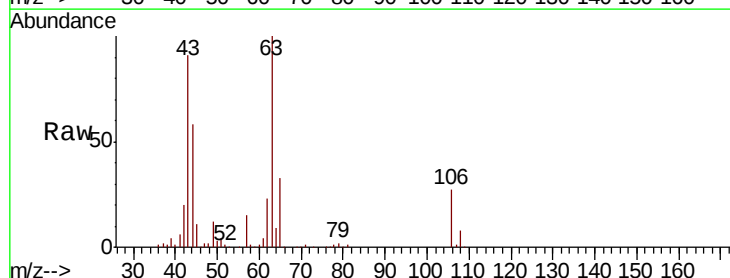
Acq: 8 Aug 2019 11:19

Tgt Ion: 63 Resp: 935967

Ion Ratio Lower Upper

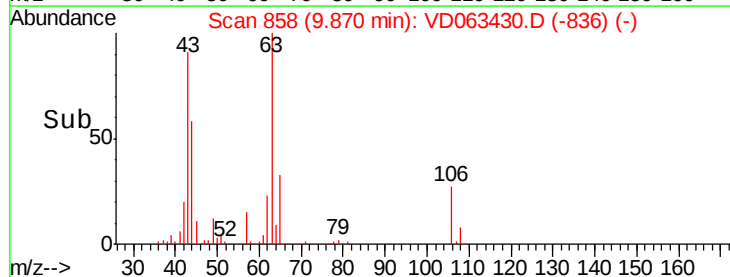
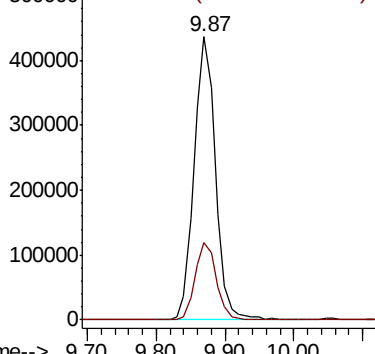
63 100

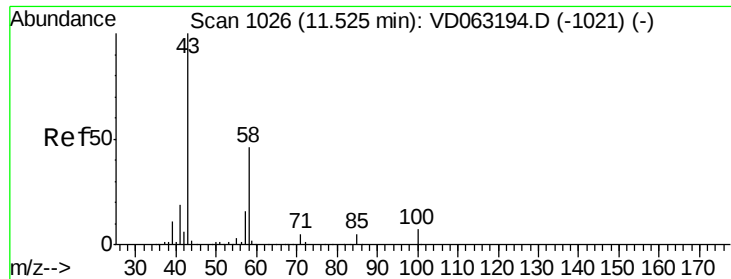
106 27.3 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

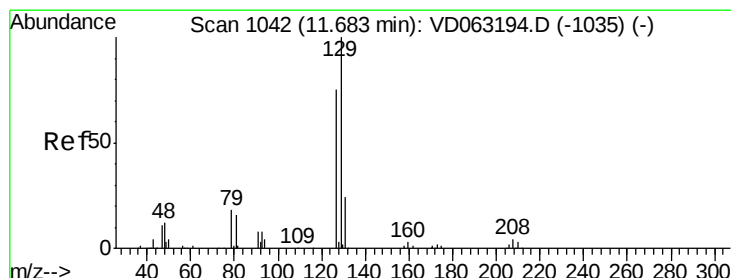
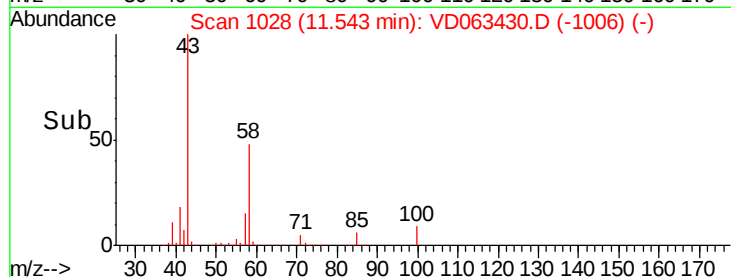
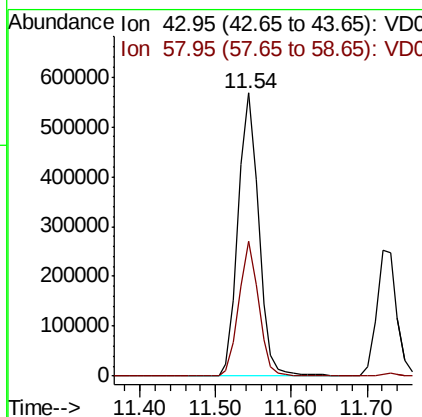
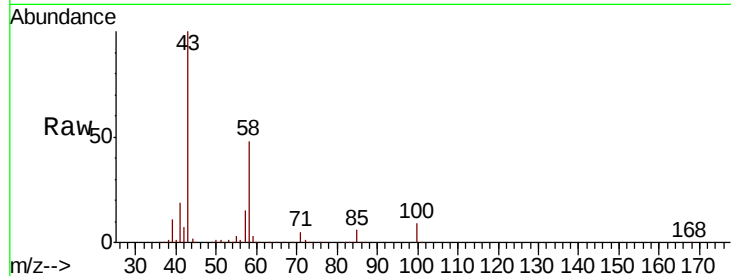




#59
2-Hexanone
Concen: 277.575 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

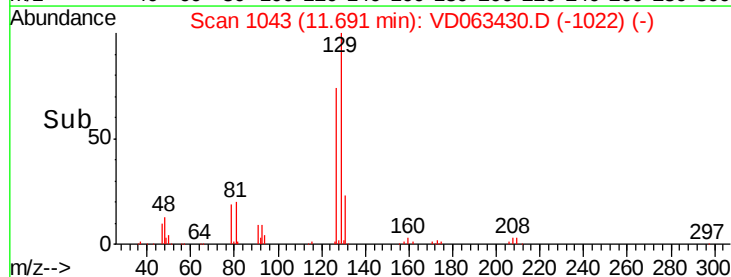
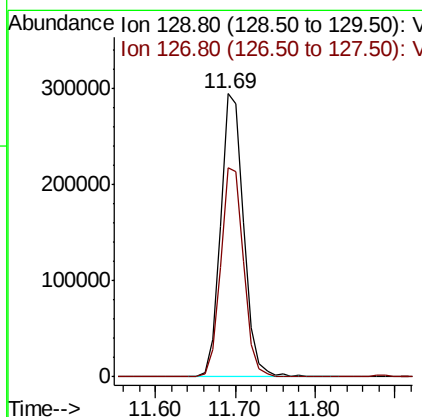
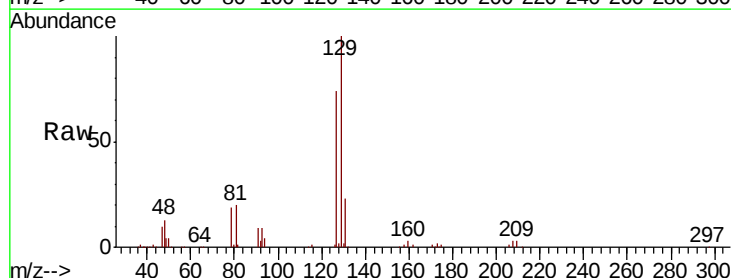
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

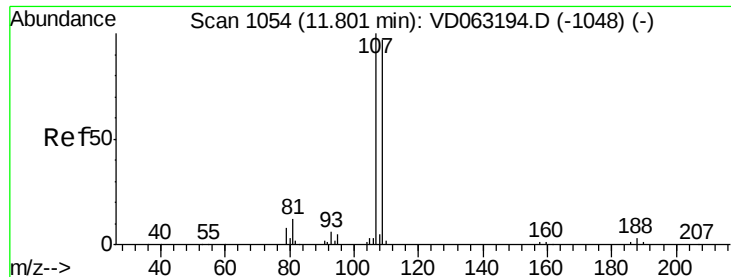
Tgt Ion: 43 Resp: 1061898
Ion Ratio Lower Upper
43 100
58 47.7 22.9 68.5



#60
Dibromochloromethane
Concen: 49.700 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 129 Resp: 600804
Ion Ratio Lower Upper
129 100
127 73.7 37.6 112.8





#61

1,2-Dibromoethane

Concen: 48.136 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

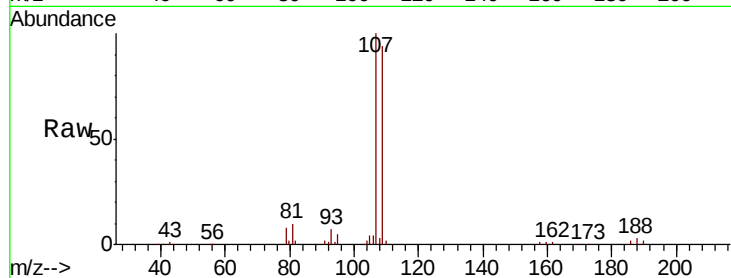
VSTDCCC050

Tgt Ion: 107 Resp: 380341

Ion Ratio Lower Upper

107 100

109 94.3 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.82

200000

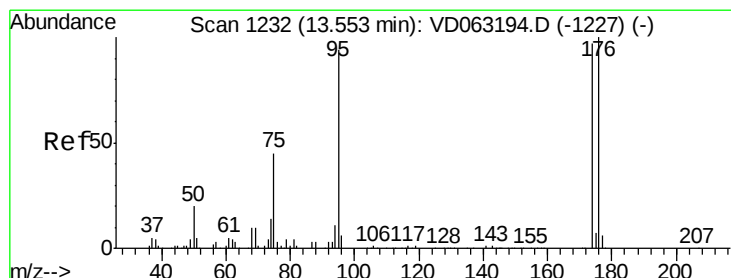
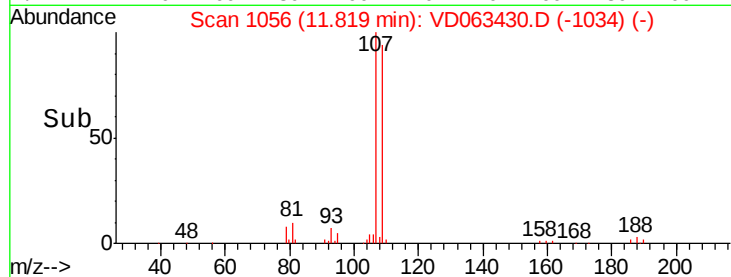
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.359 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

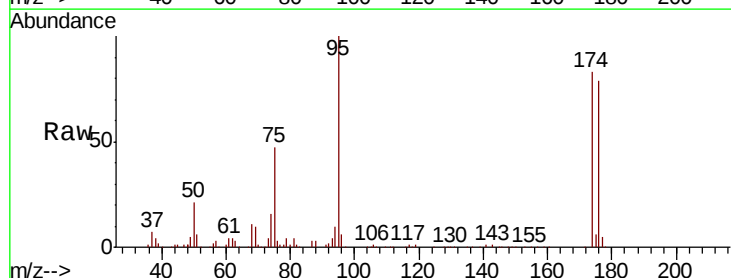
Tgt Ion: 95 Resp: 627570

Ion Ratio Lower Upper

95 100

174 82.5 0.0 205.4

176 78.8 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

600000

500000

400000

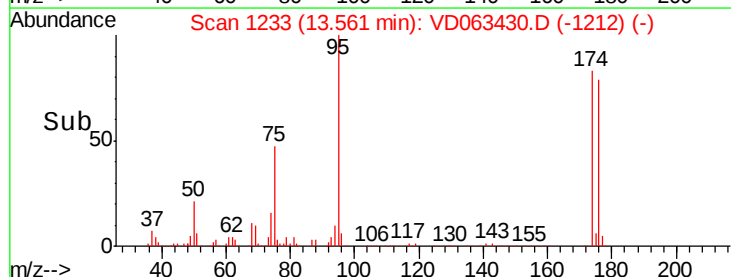
300000

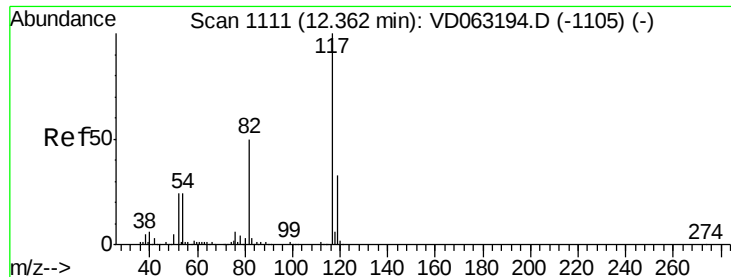
200000

100000

0

Time-->

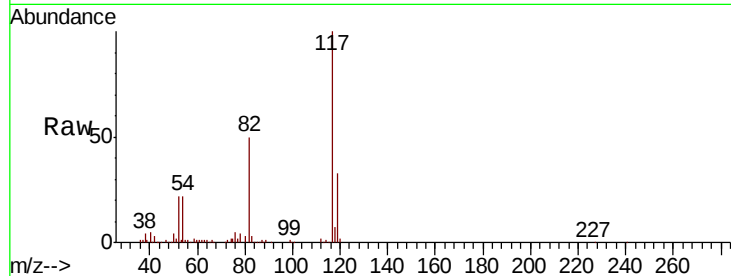




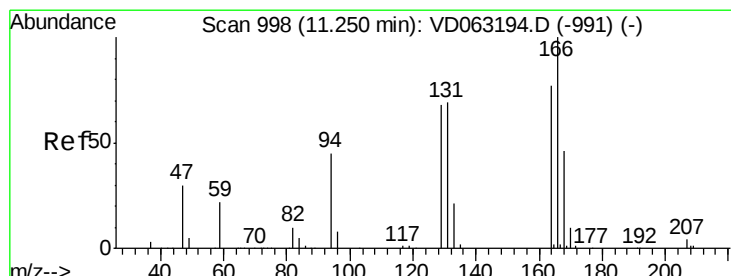
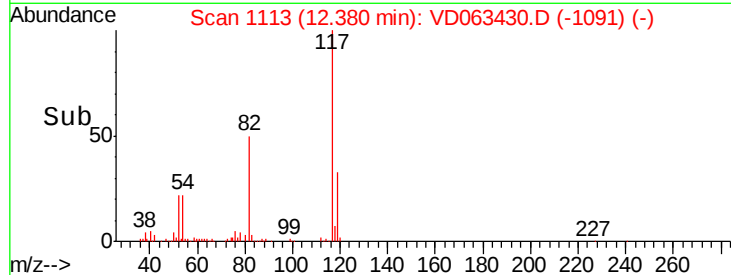
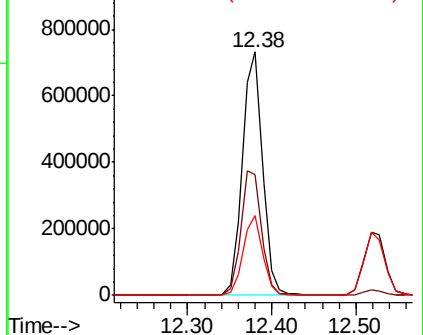
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1224458
Ion Ratio Lower Upper
117 100
82 49.7 40.1 60.1
119 32.6 26.5 39.7

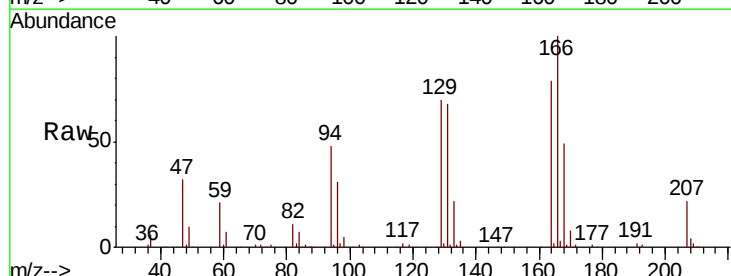


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

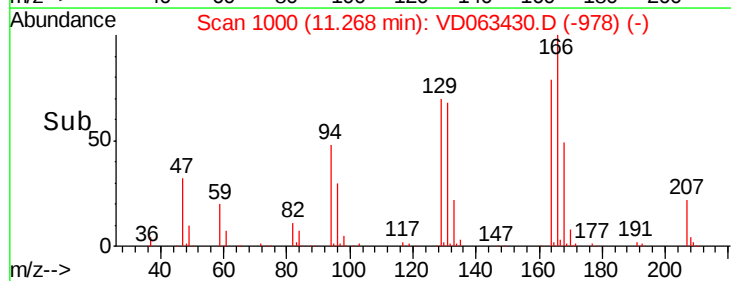
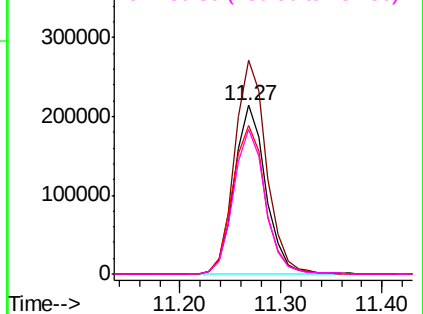


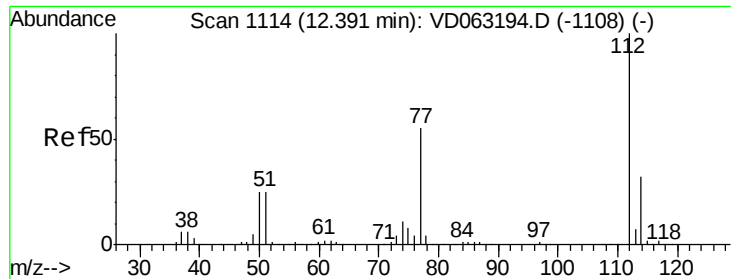
#64
Tetrachloroethene
Concen: 47.539 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion:164 Resp: 463730
Ion Ratio Lower Upper
164 100
166 126.8 104.3 156.5
129 88.2 70.9 106.3
131 86.1 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

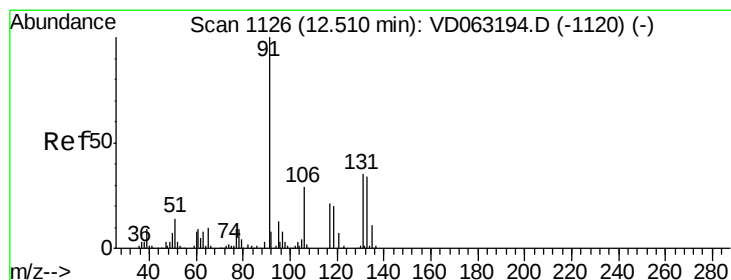
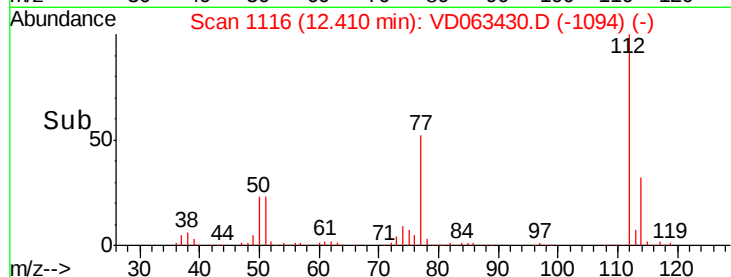
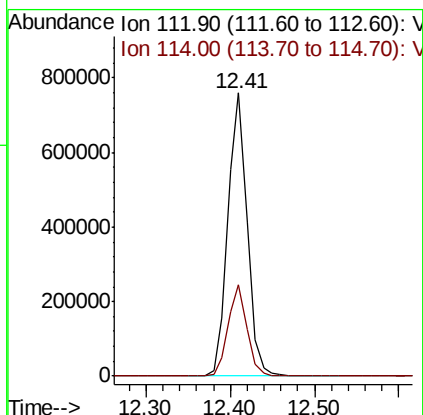
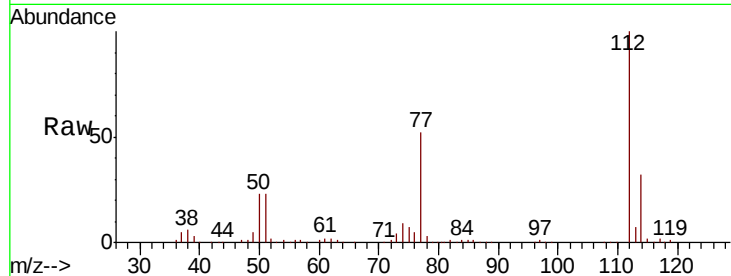




#65
Chlorobenzene
Concen: 51.182 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

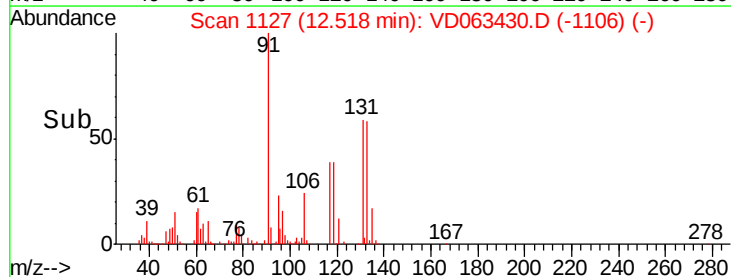
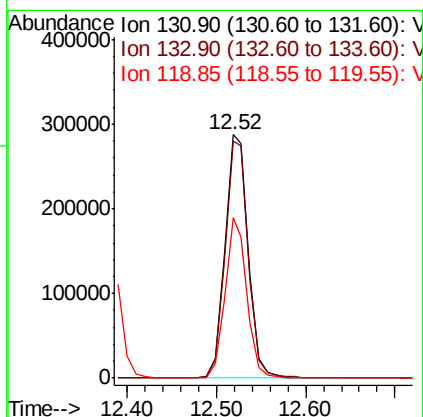
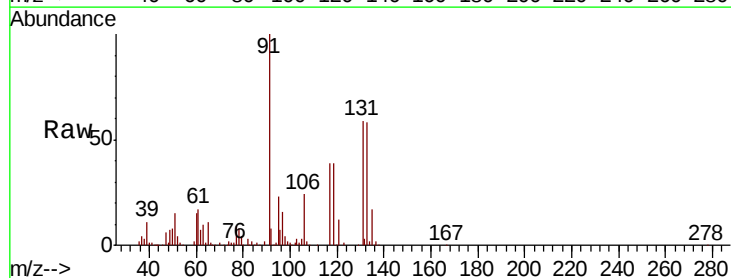
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

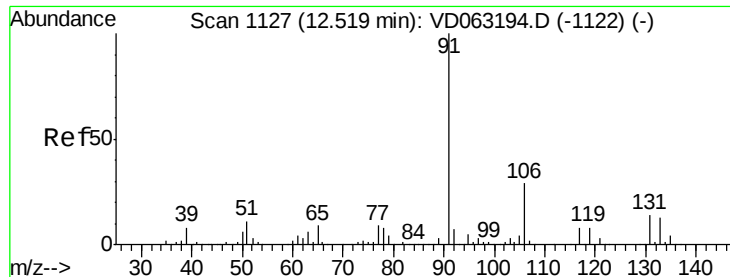
Tgt Ion:112 Resp: 1205429
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.716 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion:131 Resp: 526146
Ion Ratio Lower Upper
131 100
133 97.3 48.4 145.2
119 66.0 29.1 87.3

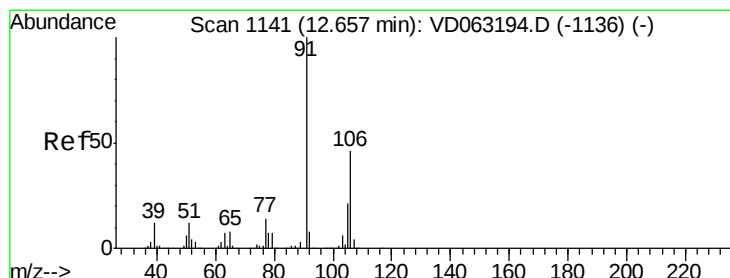
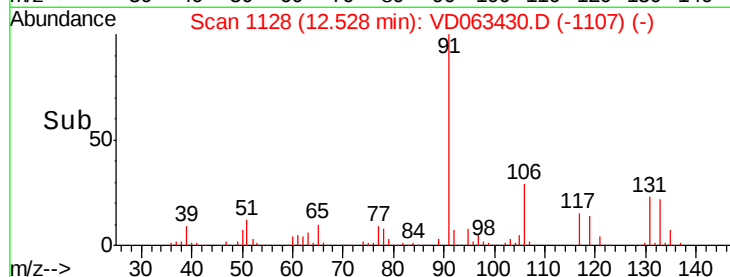
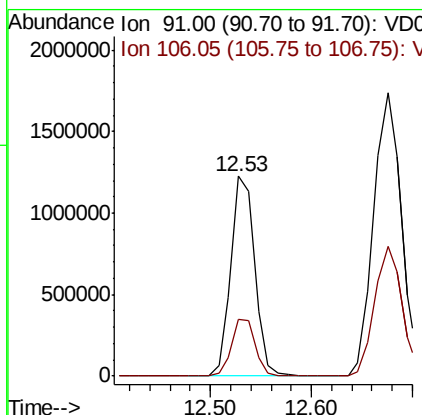
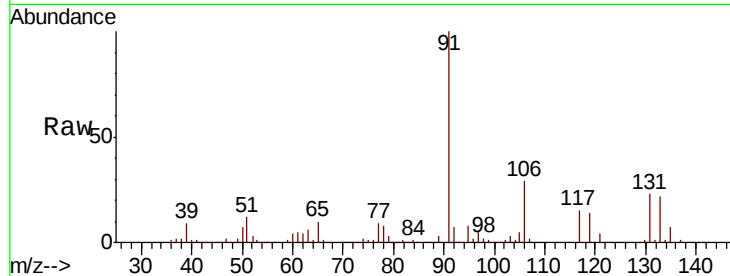




#67
Ethyl Benzene
Concen: 50.405 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

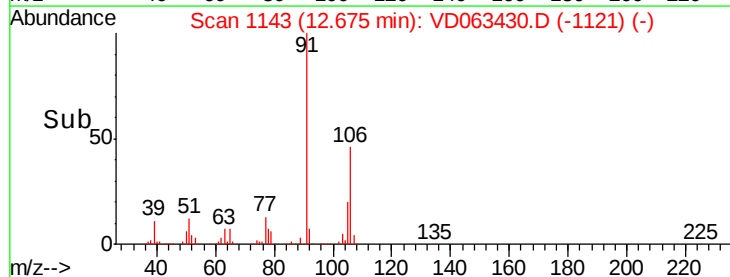
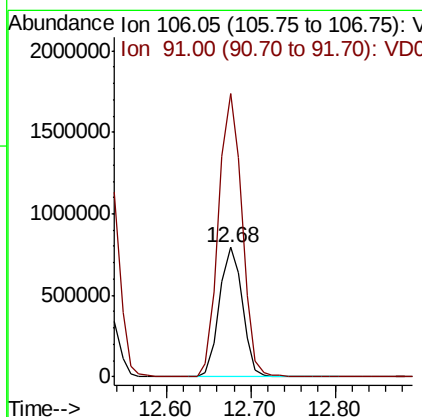
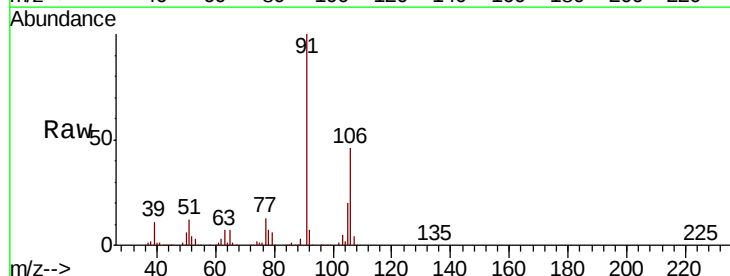
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

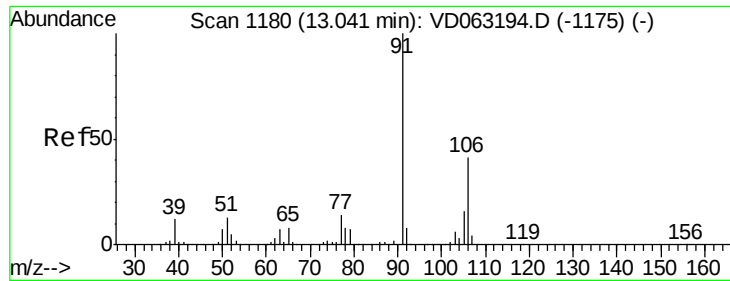
Tgt Ion: 91 Resp: 2016675
Ion Ratio Lower Upper
91 100
106 28.7 22.9 34.3



#68
m/p-Xylenes
Concen: 103.195 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 106 Resp: 1514143
Ion Ratio Lower Upper
106 100
91 218.6 172.6 259.0

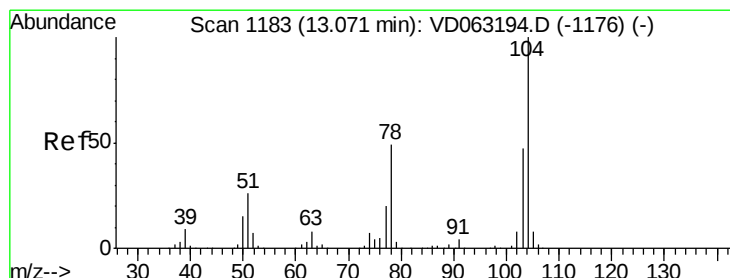
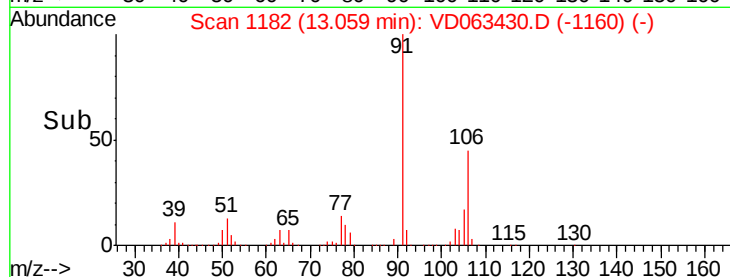
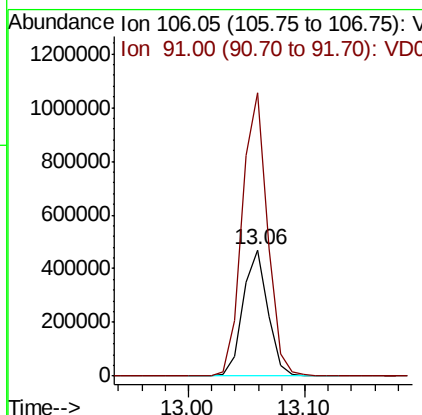
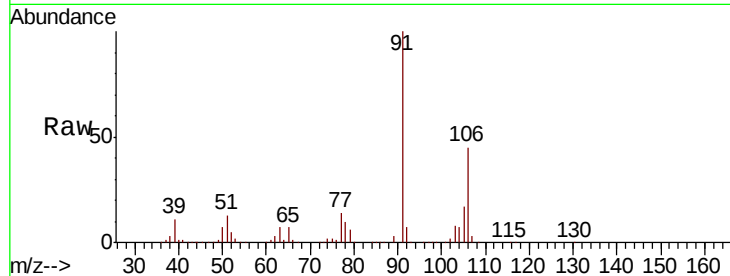




#69
o-Xylene
Concen: 51.411 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

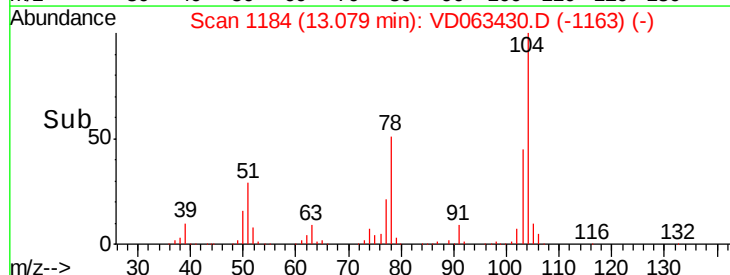
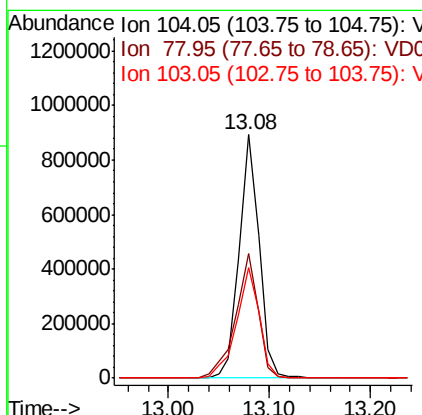
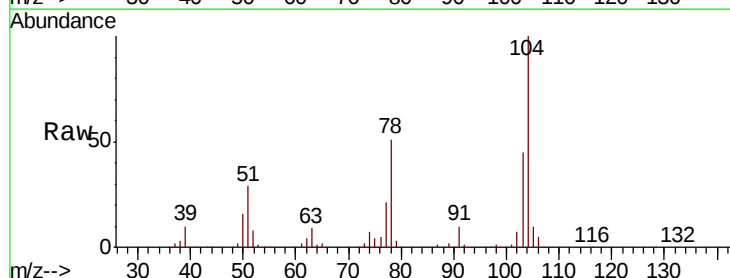
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

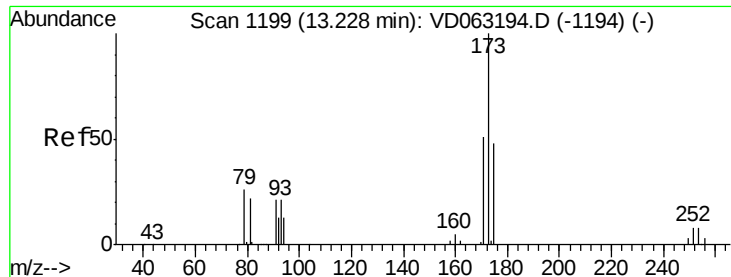
Tgt Ion:106 Resp: 692713
Ion Ratio Lower Upper
106 100
91 224.6 121.3 363.9



#70
Styrene
Concen: 51.401 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion:104 Resp: 1228244
Ion Ratio Lower Upper
104 100
78 51.1 39.4 59.0
103 45.5 37.4 56.2





#71

Bromoform

Concen: 47.973 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

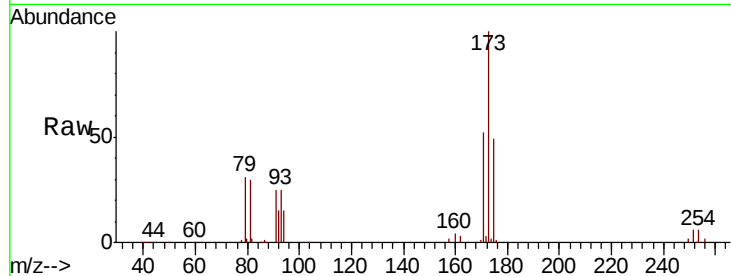
Tgt Ion:173 Resp: 361929

Ion Ratio Lower Upper

173 100

175 49.0 23.8 71.5

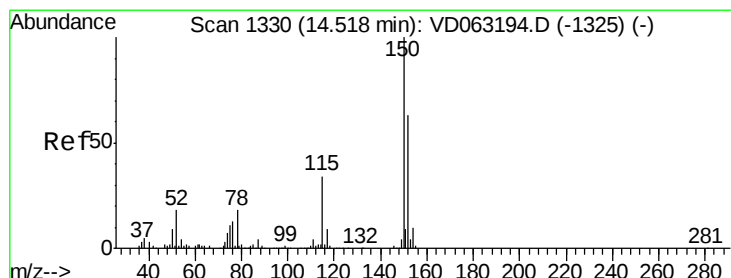
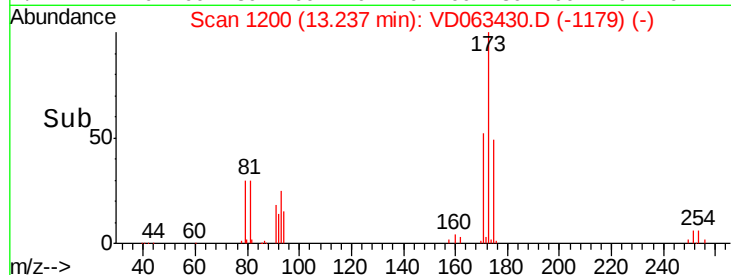
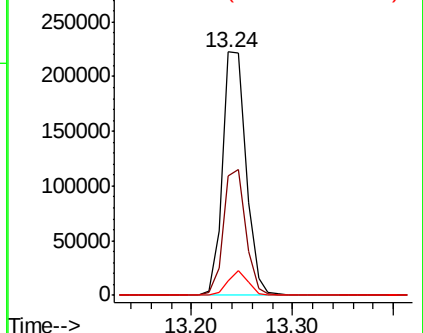
254 5.8 6.6 10.0#



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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

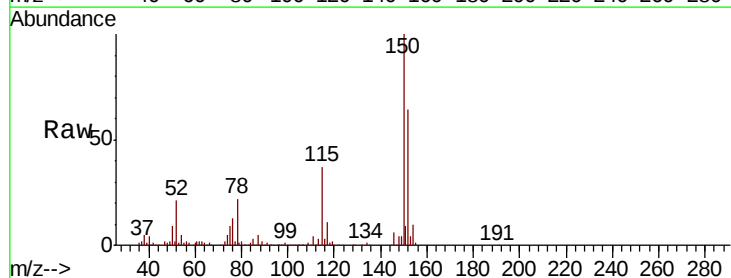
Tgt Ion:152 Resp: 683387

Ion Ratio Lower Upper

152 100

115 57.5 27.5 82.4

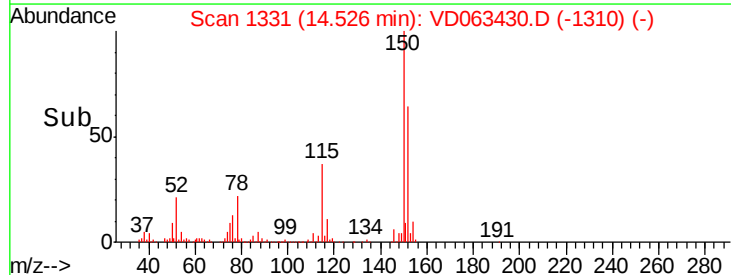
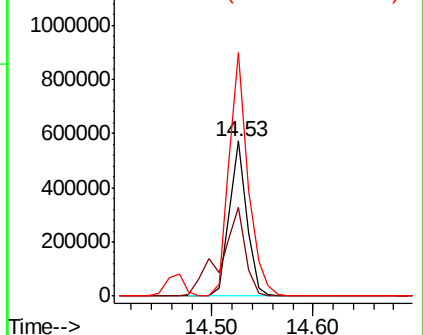
150 157.0 0.0 320.6

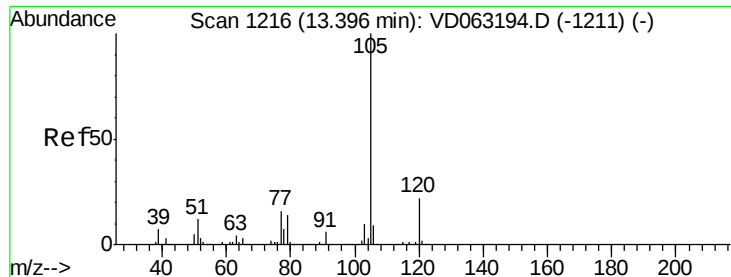


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.637 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

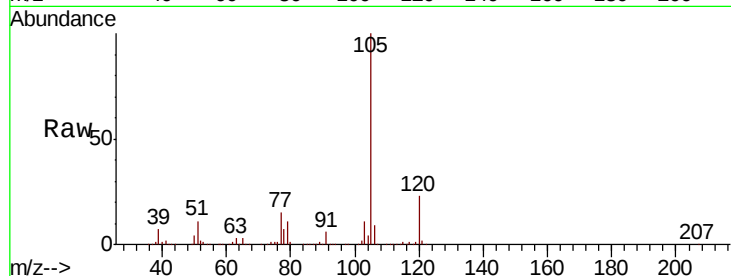
VSTDCCC050

Tgt Ion:105 Resp: 2129000

Ion Ratio Lower Upper

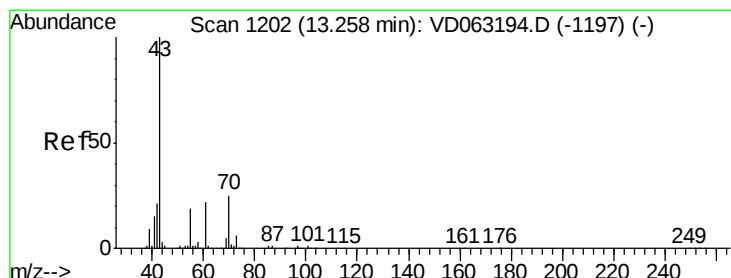
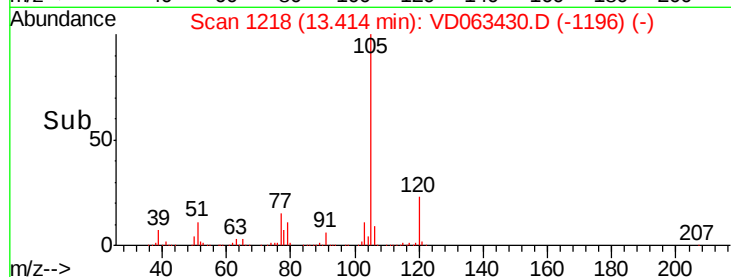
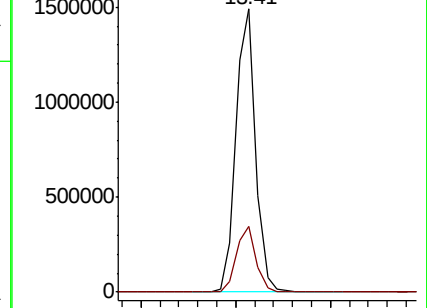
105 100

120 23.2 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.008 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Tgt Ion: 43 Resp: 533018

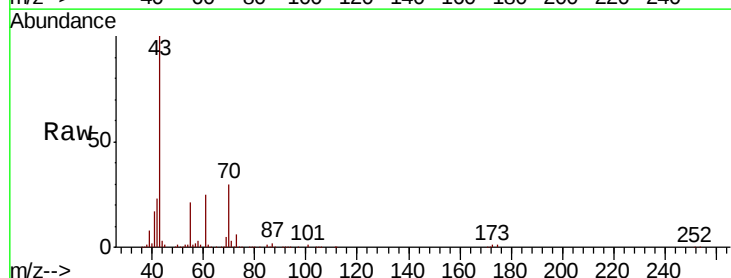
Ion Ratio Lower Upper

43 100

70 30.2 20.2 30.4

55 20.7 14.9 22.3

61 24.5 17.9 26.9

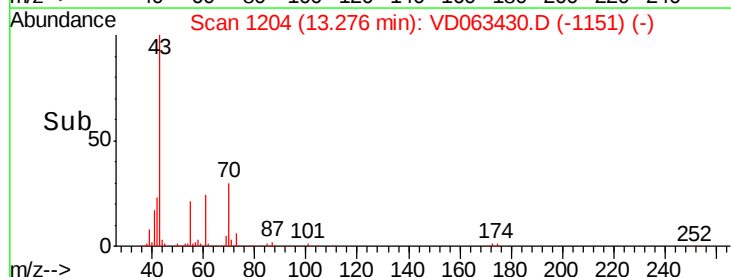
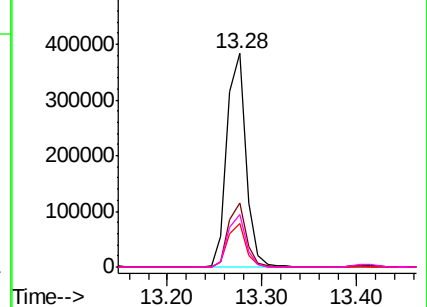


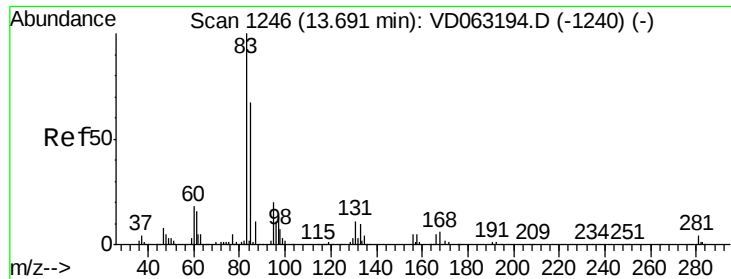
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 48.671 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

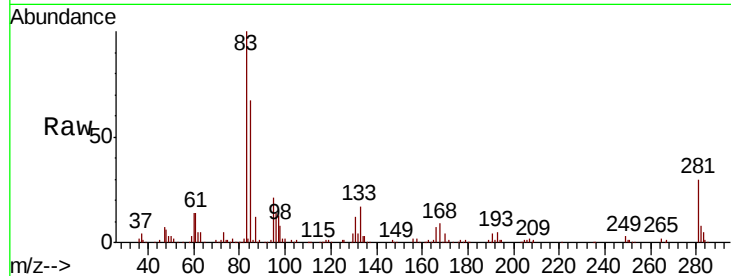
Tgt Ion: 83 Resp: 354607

Ion Ratio Lower Upper

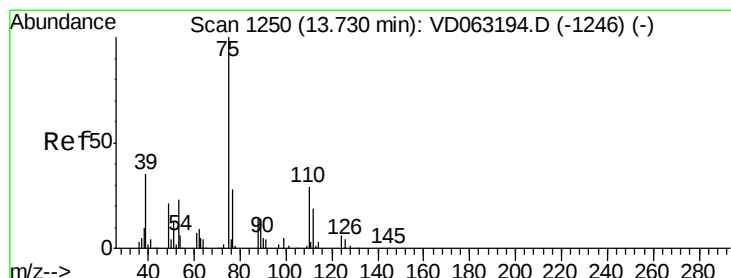
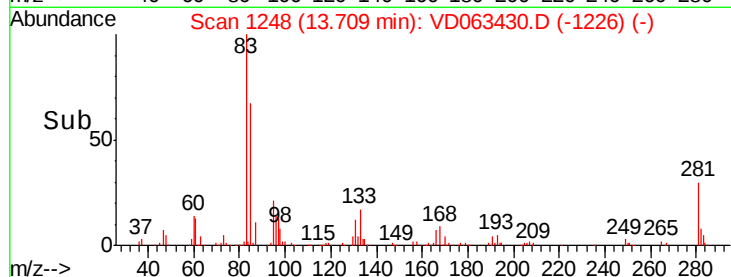
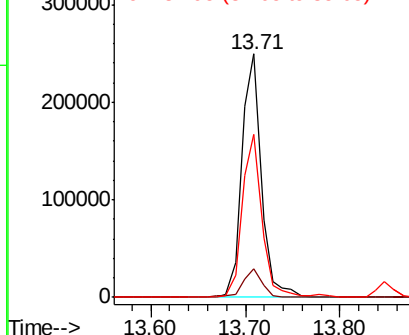
83 100

131 11.8 5.5 16.7

85 67.1 33.7 101.1



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: 47.541 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063430.D

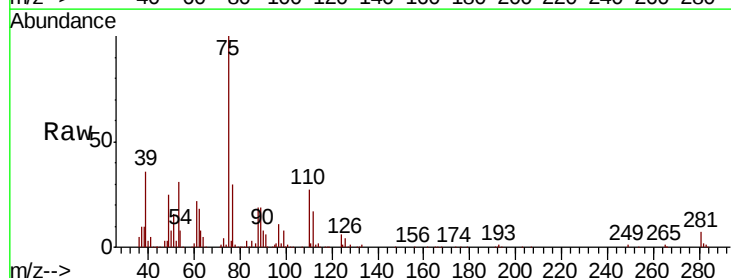
Acq: 8 Aug 2019 11:19

Tgt Ion: 75 Resp: 390236

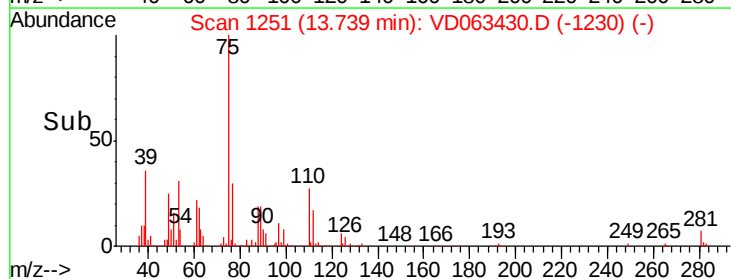
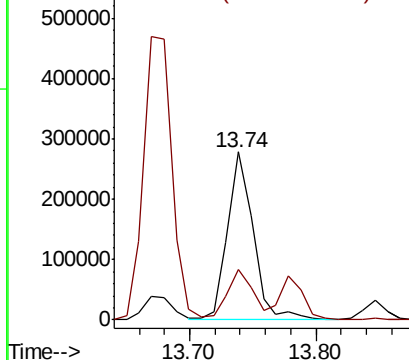
Ion Ratio Lower Upper

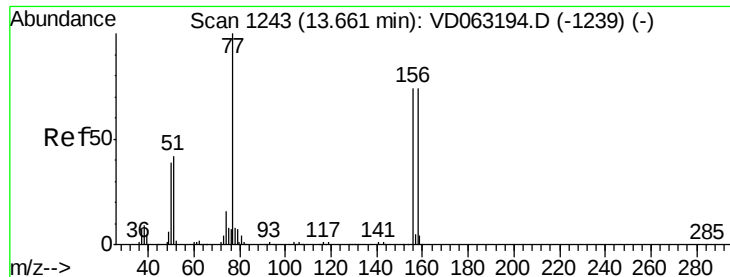
75 100

77 30.4 16.0 48.0



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





#77

Bromobenzene

Concen: 48.384 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

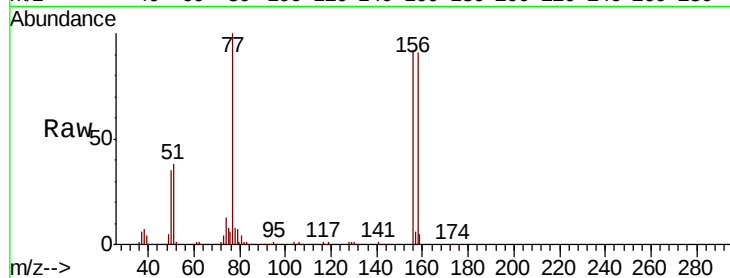
Tgt Ion:156 Resp: 591180

Ion Ratio Lower Upper

156 100

77 108.8 67.6 202.8

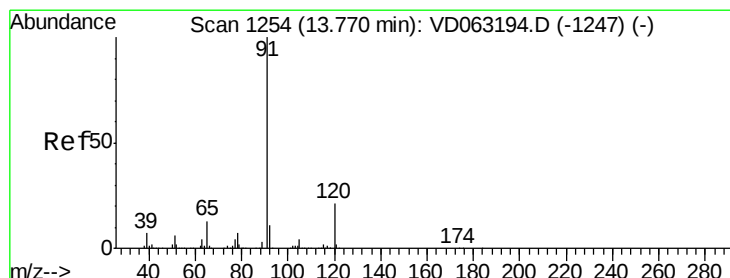
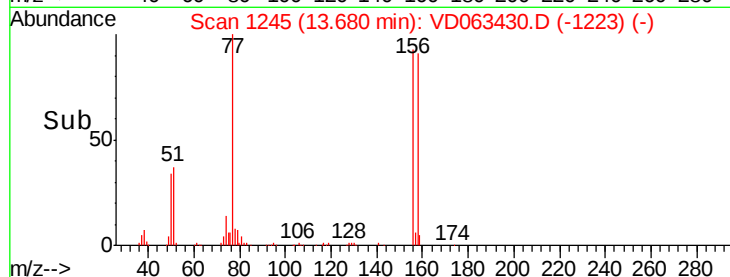
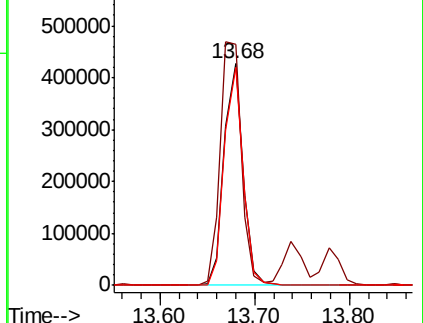
158 98.6 49.8 149.4



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: 45.647 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063430.D

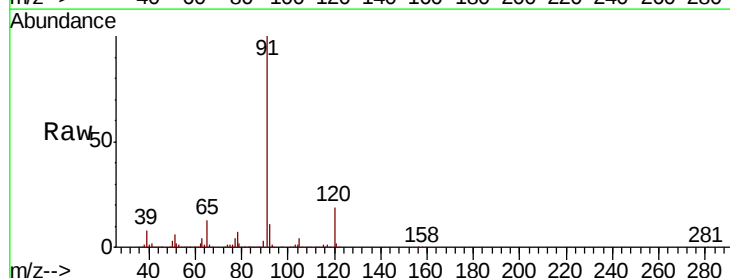
Acq: 8 Aug 2019 11:19

Tgt Ion: 91 Resp: 2329897

Ion Ratio Lower Upper

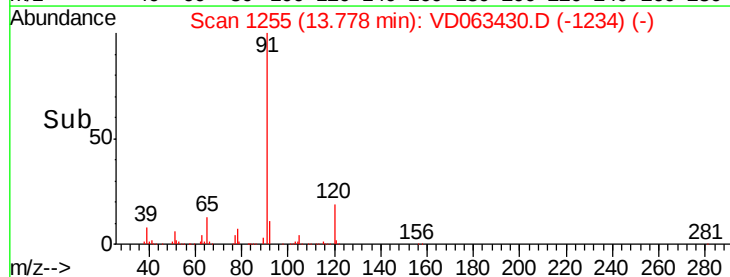
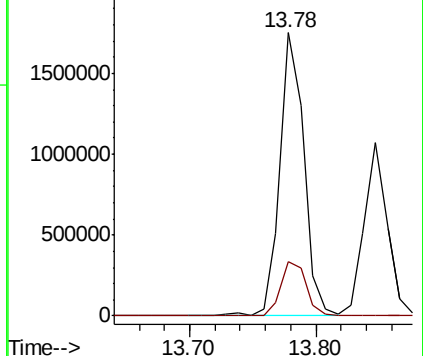
91 100

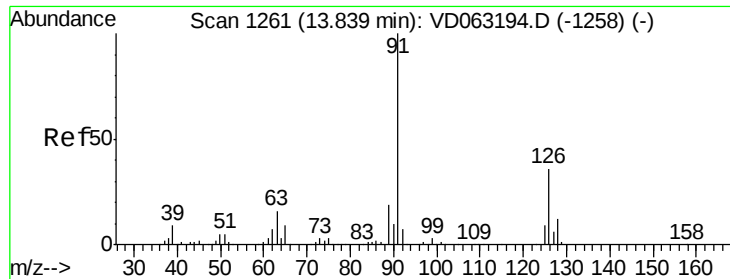
120 19.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

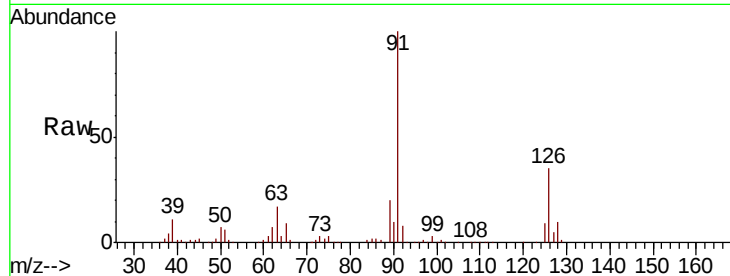




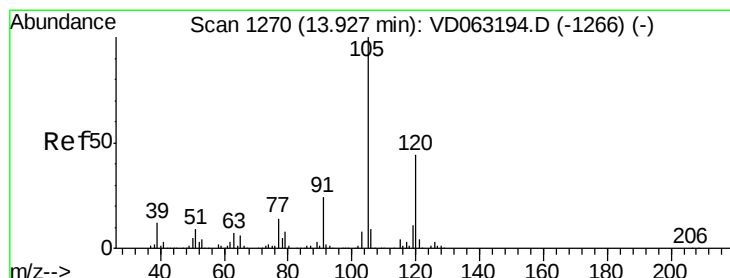
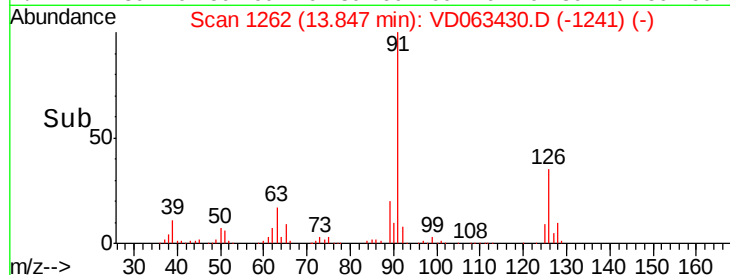
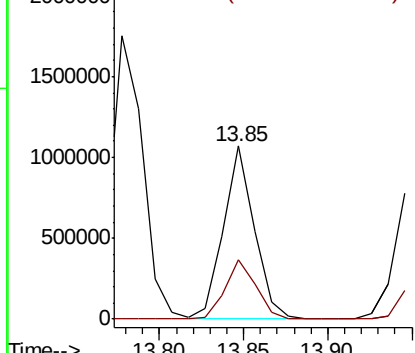
#79
 2-Chlorotoluene
 Concen: 45.705 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 1351745
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.8 53.5

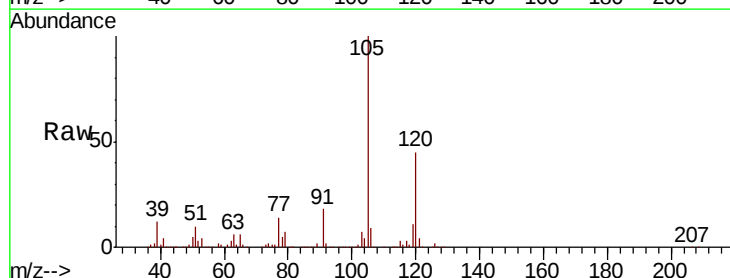


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

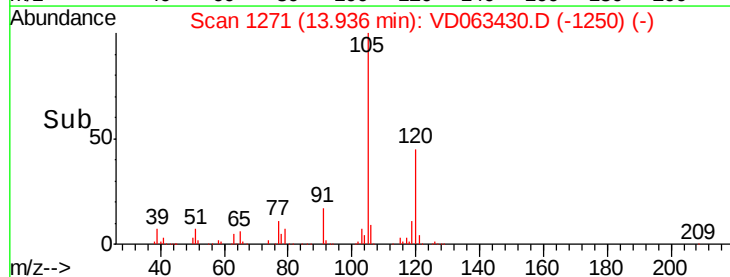
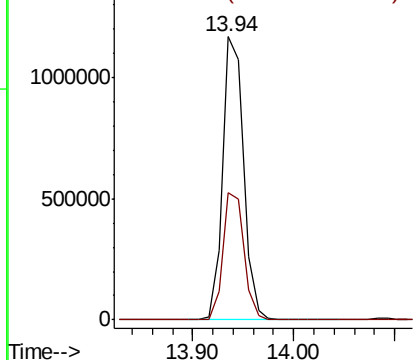


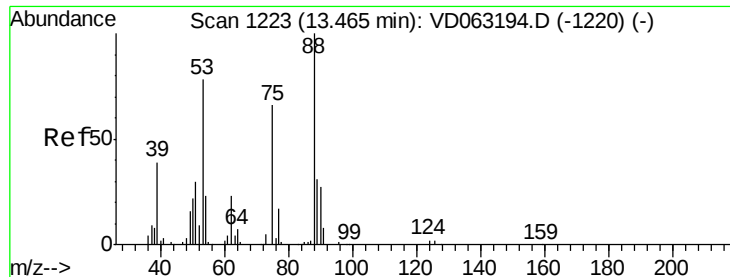
#80
 1,3,5-Trimethylbenzene
 Concen: 45.523 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion: 105 Resp: 1684075
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.1 66.1



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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.788 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD063430.D

Acq: 8 Aug 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

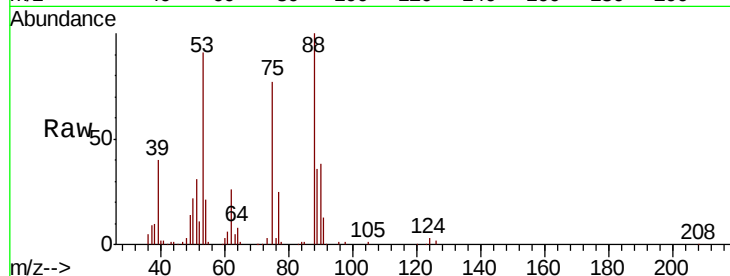
Tgt Ion: 75 Resp: 115761

Ion Ratio Lower Upper

75 100

53 119.4 94.9 142.3

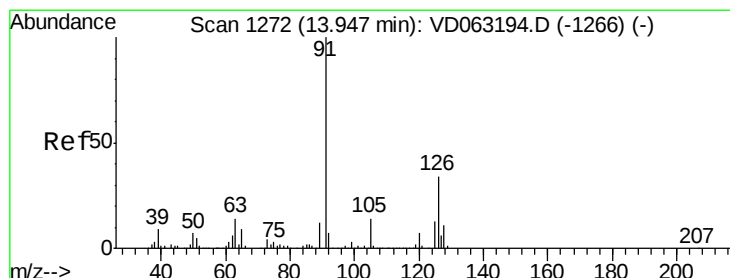
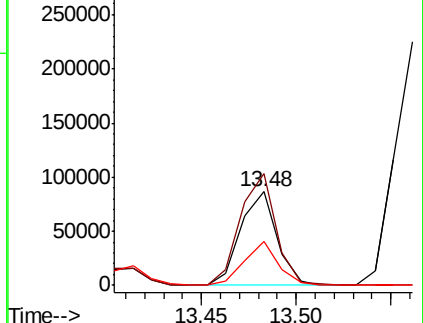
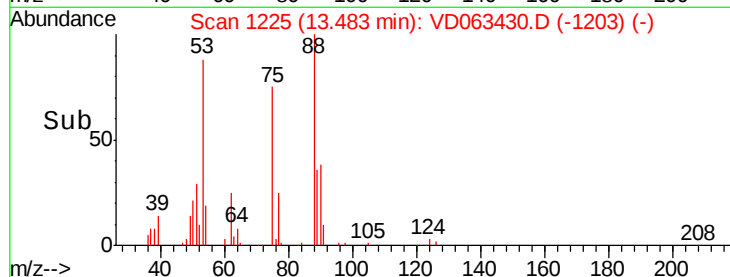
89 46.4 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 46.577 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD063430.D

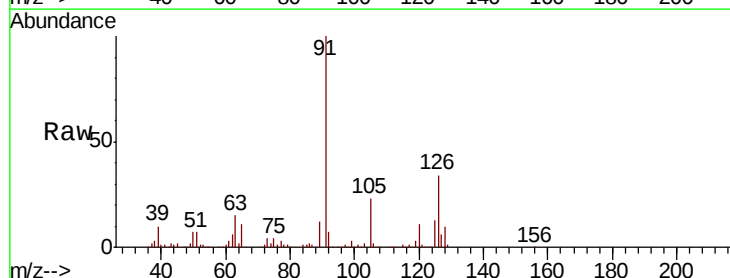
Acq: 8 Aug 2019 11:19

Tgt Ion: 91 Resp: 1621173

Ion Ratio Lower Upper

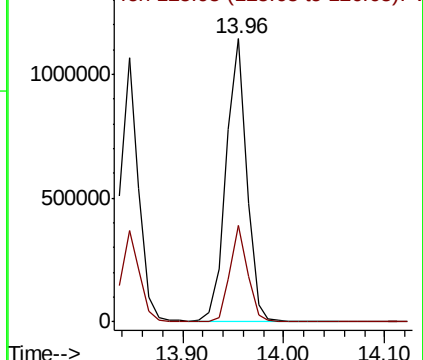
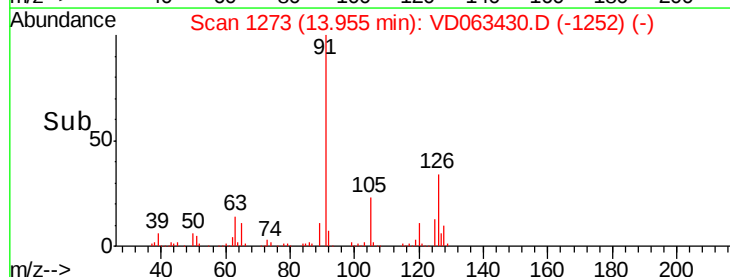
91 100

126 34.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

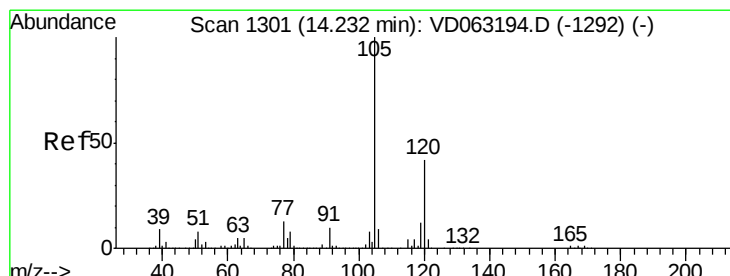
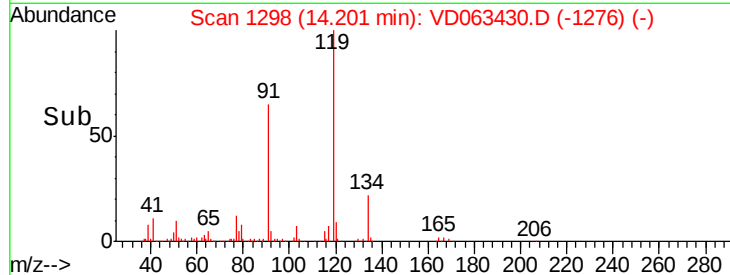
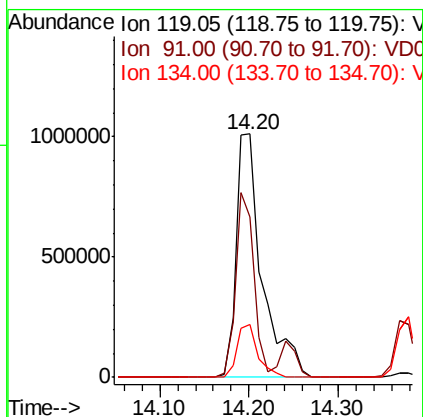
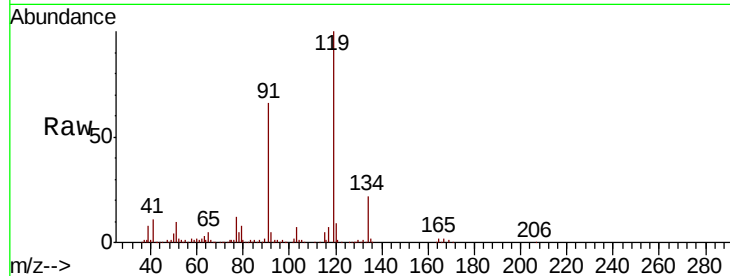




#83
 tert-Butylbenzene
 Concen: 48.691 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

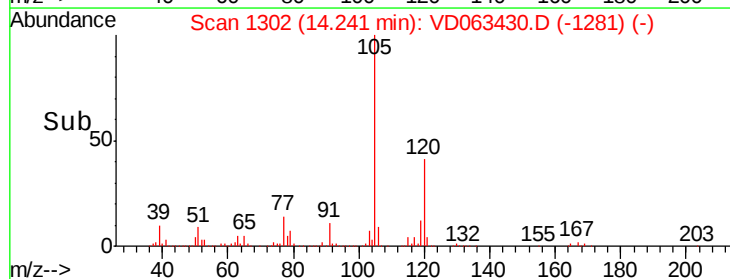
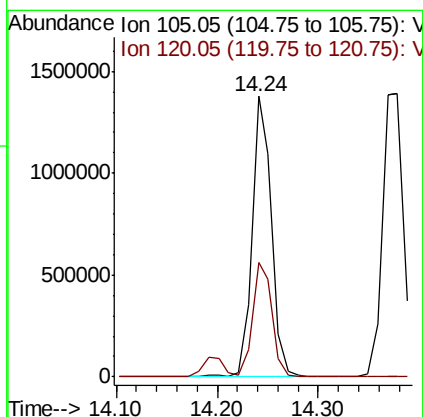
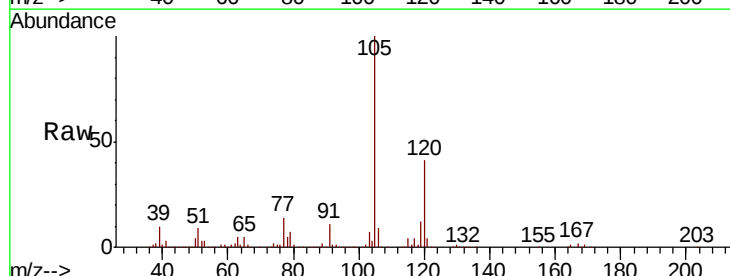
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

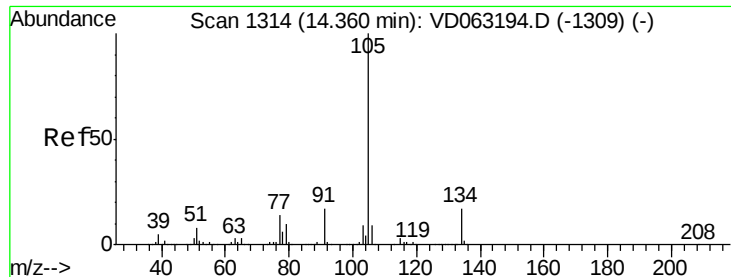
Tgt Ion:119 Resp: 2056681
 Ion Ratio Lower Upper
 119 100
 91 65.9 39.1 117.5
 134 21.6 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.033 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion:105 Resp: 1837955
 Ion Ratio Lower Upper
 105 100
 120 40.8 20.9 62.7

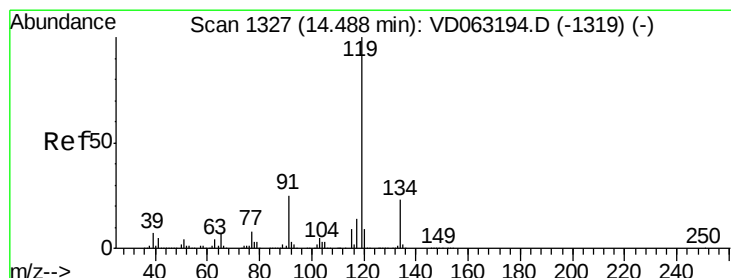
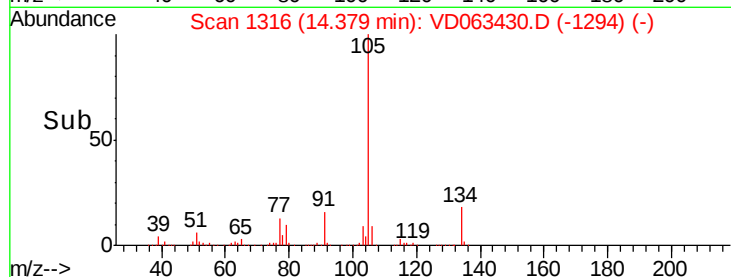
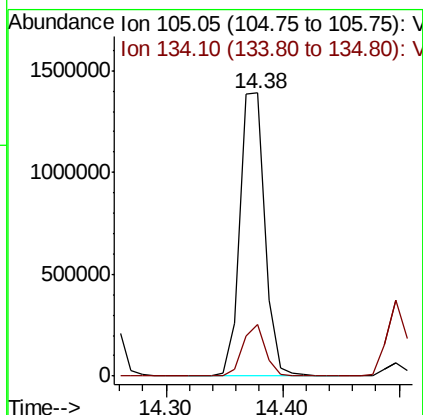
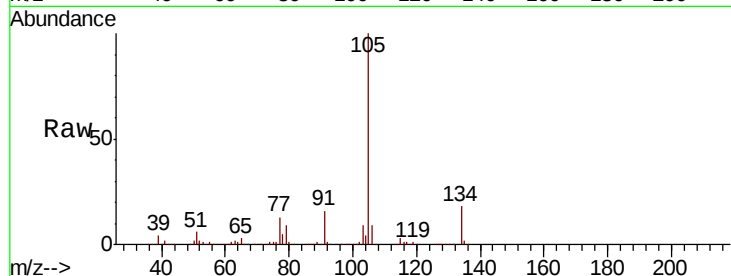




#85
 sec-Butylbenzene
 Concen: 46.390 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

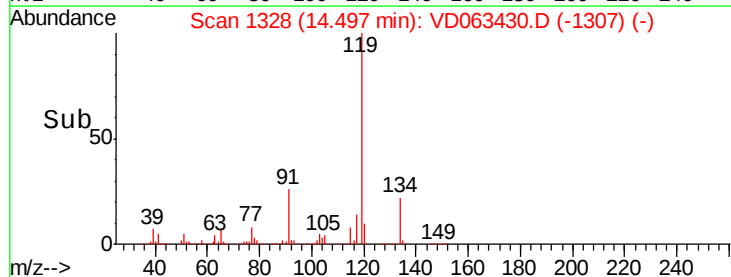
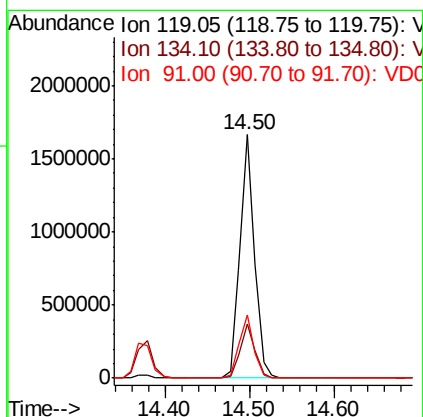
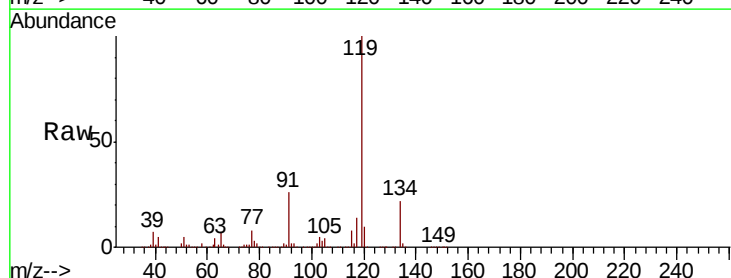
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

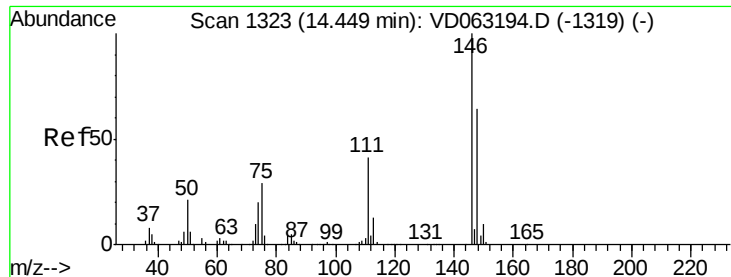
Tgt Ion:105 Resp: 2064500
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 46.777 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion:119 Resp: 1986912
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.5 34.5
 91 25.7 12.6 37.6

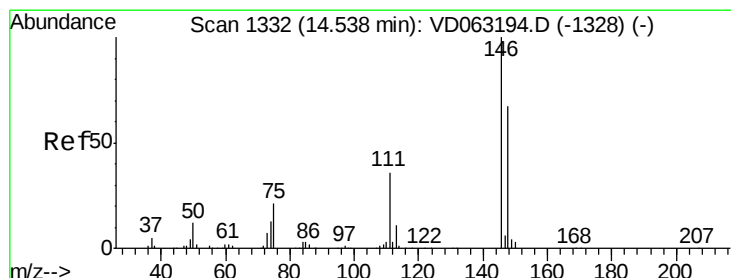
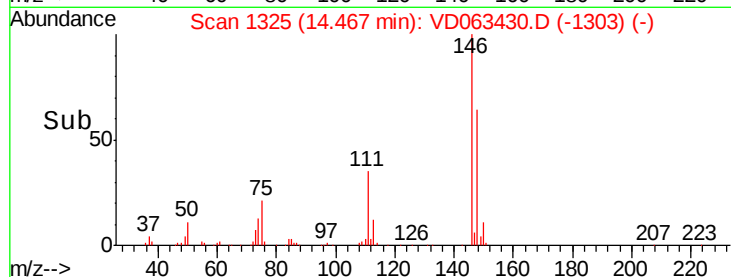
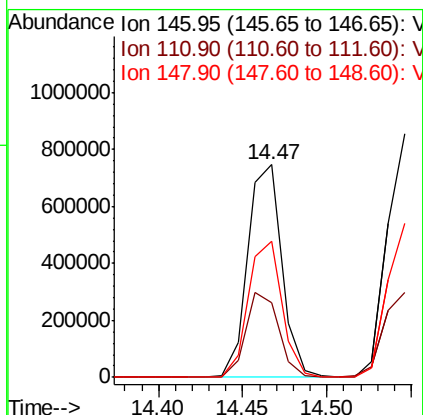
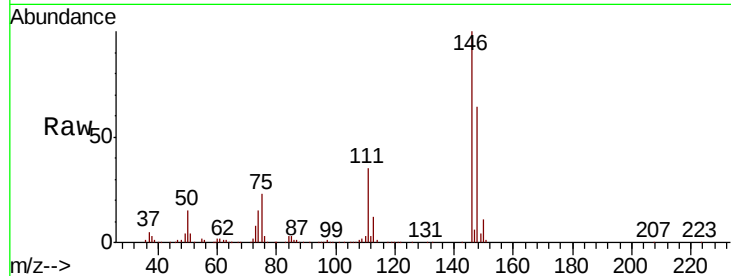




#87
 1,3-Dichlorobenzene
 Concen: 48.649 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

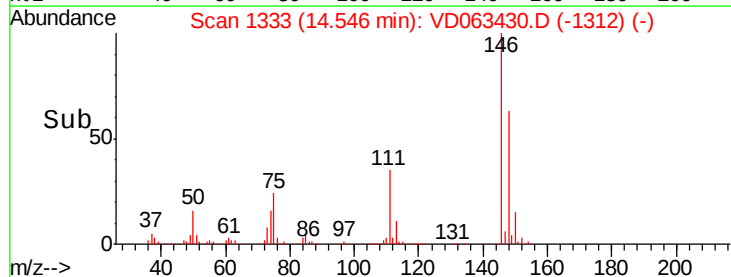
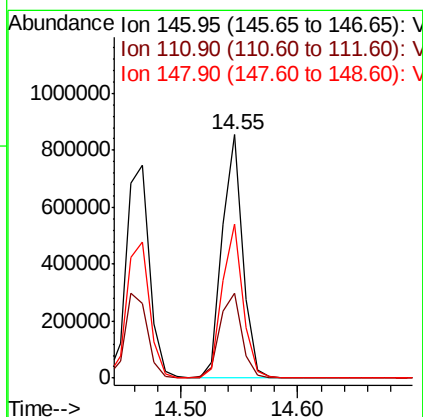
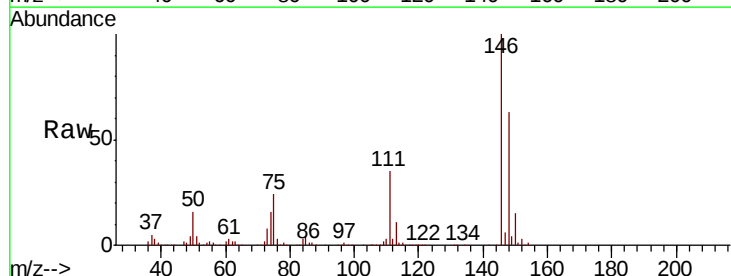
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

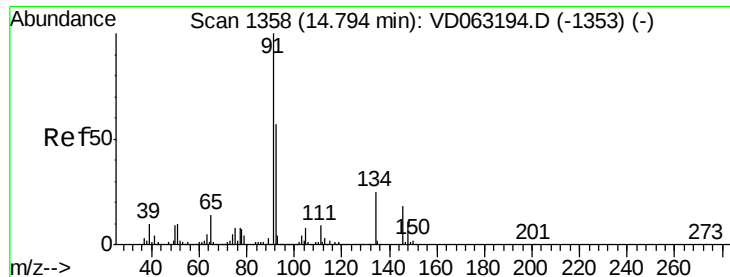
Tgt Ion:146 Resp: 1052673
 Ion Ratio Lower Upper
 146 100
 111 35.0 20.4 61.3
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.838 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion:146 Resp: 1046717
 Ion Ratio Lower Upper
 146 100
 111 35.0 18.1 54.3
 148 63.4 33.4 100.1

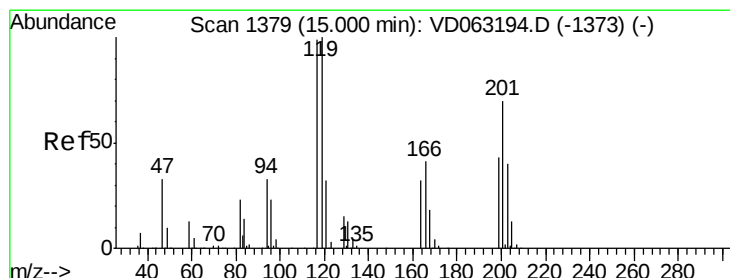
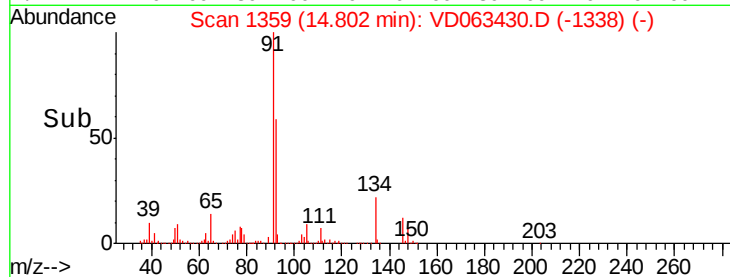
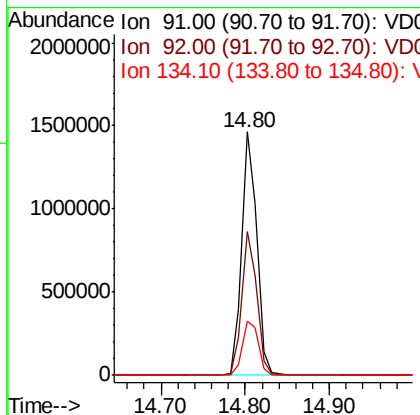
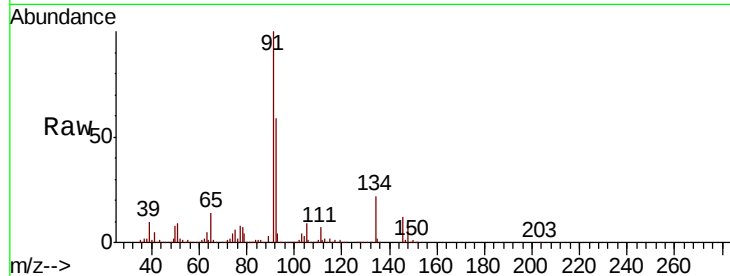




#89
n-Butylbenzene
Concen: 49.852 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

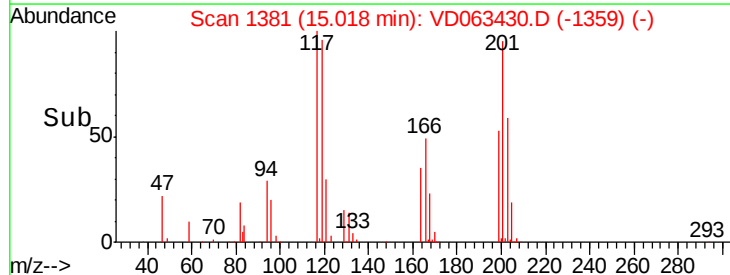
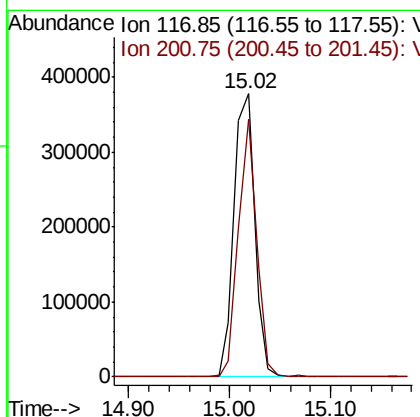
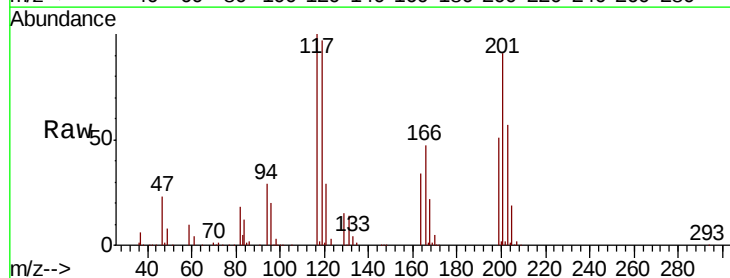
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

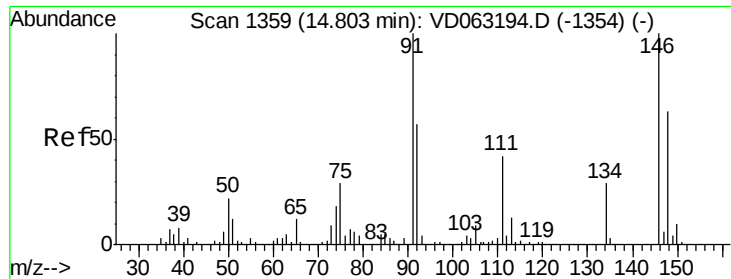
Tgt Ion: 91 Resp: 1828889
Ion Ratio Lower Upper
91 100
92 58.9 28.3 85.0
134 22.3 12.3 36.8



#90
Hexachloroethane
Concen: 48.789 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion: 117 Resp: 539922
Ion Ratio Lower Upper
117 100
201 91.2 35.2 105.6

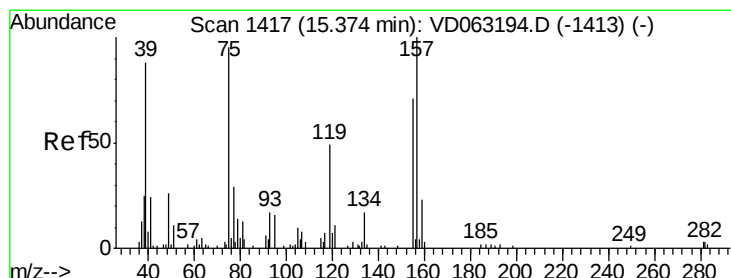
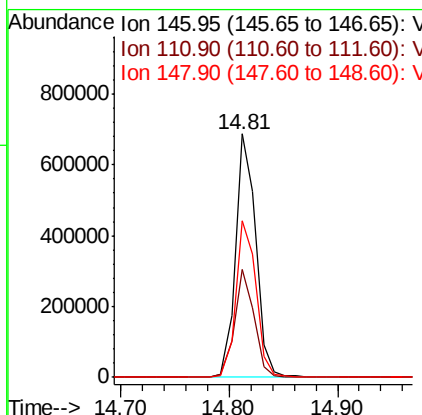
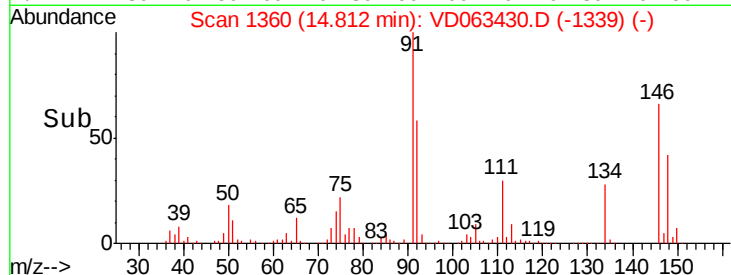
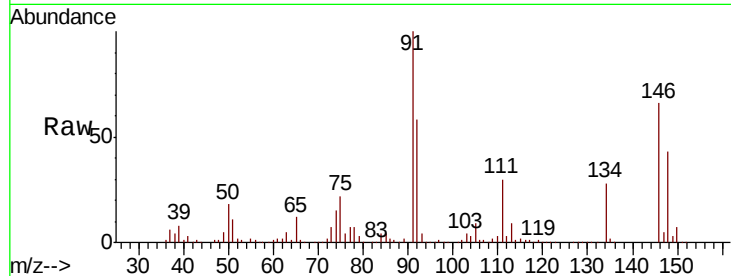




#91
 1,2-Dichlorobenzene
 Concen: 47.608 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

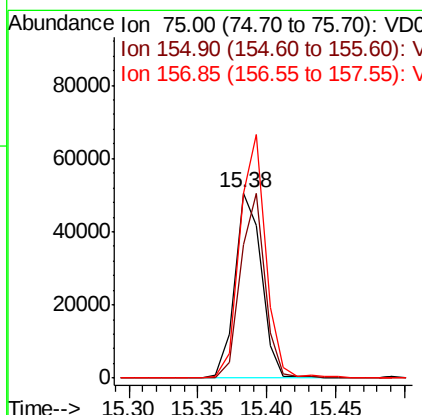
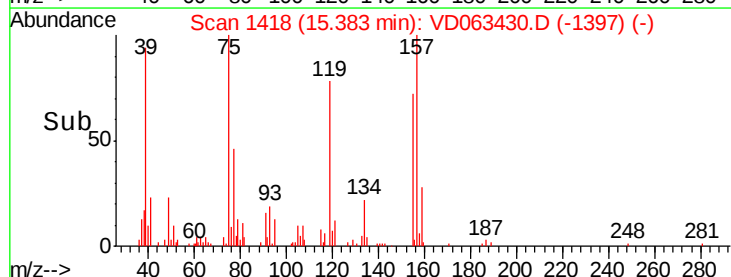
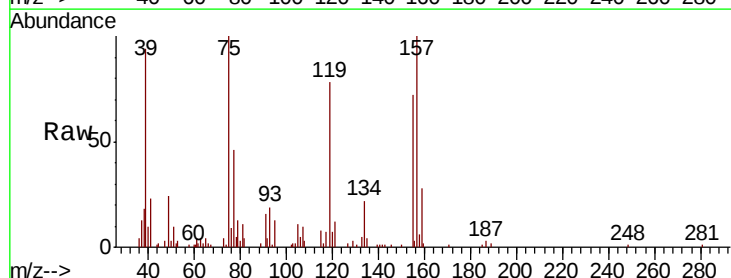
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

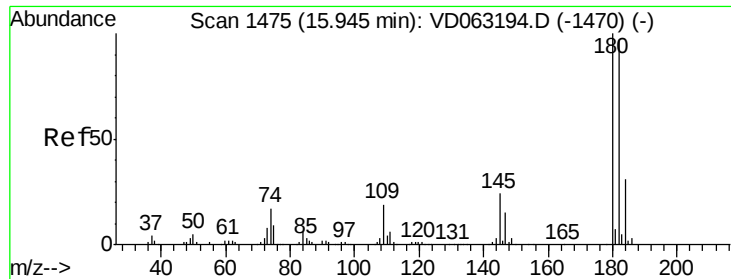
Tgt Ion:146 Resp: 897548
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.1 63.3
 148 64.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.933 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion: 75 Resp: 68167
 Ion Ratio Lower Upper
 75 100
 155 72.4 37.0 111.0
 157 100.2 52.4 157.2

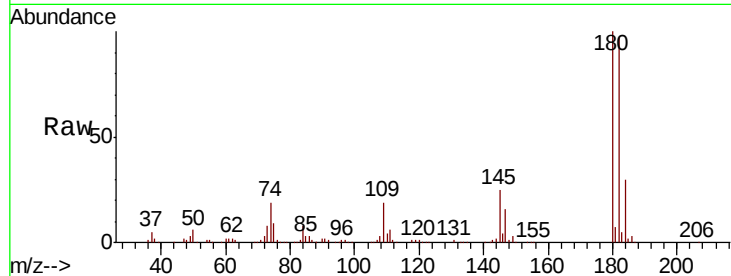




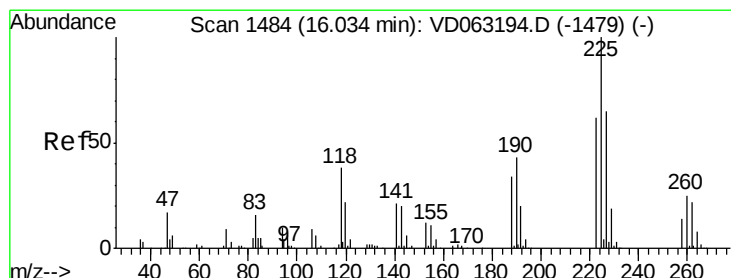
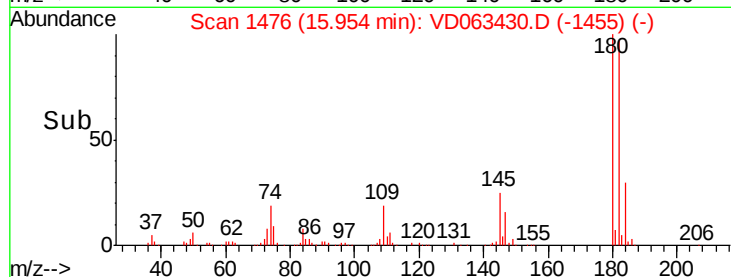
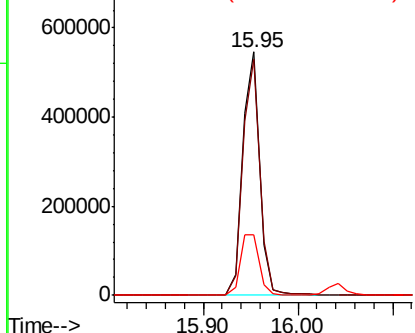
#93
 1,2,4-Trichlorobenzene
 Concen: 45.515 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 680728
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.6 145.8
 145 24.8 12.2 36.6

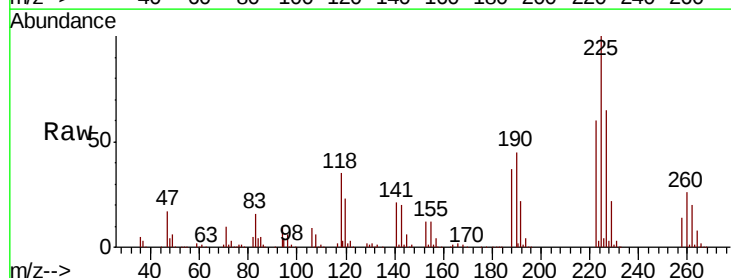


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

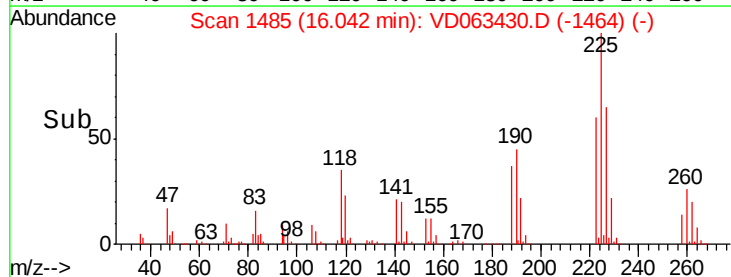
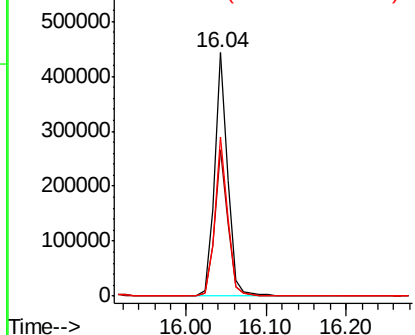


#94
 Hexachlorobutadiene
 Concen: 47.631 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063430.D
 Acq: 8 Aug 2019 11:19

Tgt Ion:225 Resp: 516239
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.9 92.5
 227 65.2 32.6 97.7



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

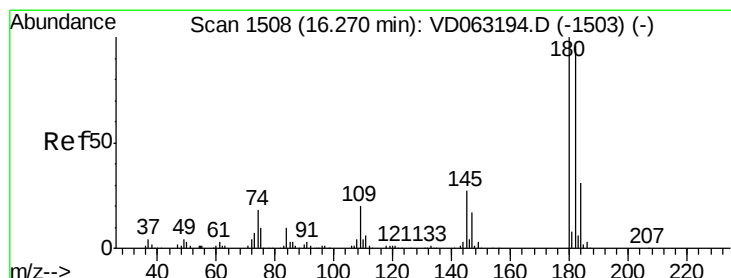
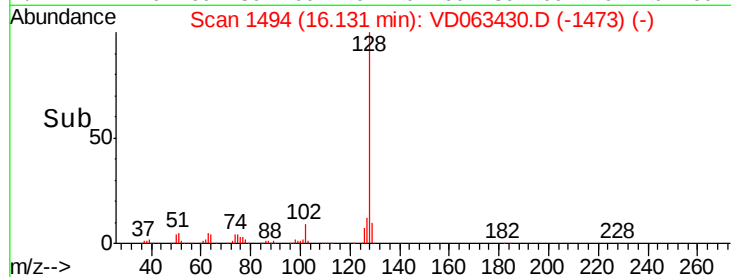
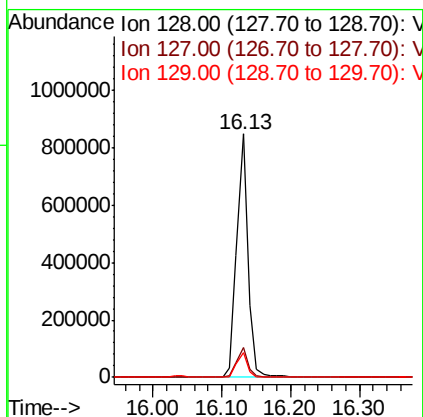
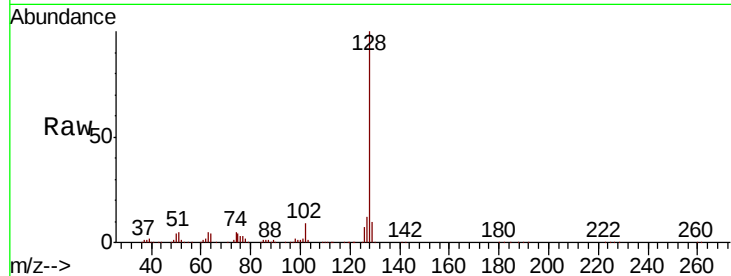




#95
Naphthalene
Concen: 45.528 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 962415
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 10.4 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 46.392 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD063430.D
Acq: 8 Aug 2019 11:19

Tgt Ion:180 Resp: 548130
Ion Ratio Lower Upper
180 100
182 98.1 48.3 144.9
145 28.2 13.6 40.7

