

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063465.D
 Acq On : 9 Aug 2019 5:14
 Operator : JC/SY
 Sample : K4237-05MS
 Misc : 5.51g/5ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(13-14)MS

Quant Time: Aug 09 07:05:39 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	864229	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1121150	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	943629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	478872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	486391	50.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	6.93	113	557467	58.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.48%	
50) Toluene-d8	10.41	98	1180126	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	13.56	95	464215	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	471610	44.643	ug/l	98
3) Chloromethane	1.75	50	404068	49.231	ug/l	98
4) Vinyl Chloride	1.85	62	405156	47.684	ug/l	96
5) Bromomethane	2.15	94	226420	52.837	ug/l	95
6) Chloroethane	2.27	64	205764	52.452	ug/l	97
7) Trichlorofluoromethane	2.54	101	912389	55.351	ug/l	98
8) Diethyl Ether	2.87	74	125561	54.427	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	483507	52.953	ug/l	97
10) Methyl Iodide	3.30	142	677975	51.398	ug/l	96
11) Tert butyl alcohol	4.08	59	100283	238.297	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	356237	53.144	ug/l	91
13) Acrolein	3.03	56	1995	4.926	ug/l #	80
14) Allyl chloride	3.62	41	552875	51.774	ug/l	92
15) Acrylonitrile	4.20	53	278458	255.223	ug/l	96
16) Acetone	3.23	43	507210	271.468	ug/l	98
17) Carbon Disulfide	3.37	76	1009852	45.009	ug/l	99
18) Methyl Acetate	3.64	43	418339	116.566	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	766691	50.634	ug/l	100
20) Methylene Chloride	3.82	84	410800	54.394	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	395626	52.600	ug/l	92
22) Diisopropyl ether	5.13	45	1150454	53.924	ug/l	91
23) Vinyl Acetate	5.07	43	831399	63.396	ug/l	100
24) 1,1-Dichloroethane	4.99	63	748207	54.904	ug/l	97
25) 2-Butanone	6.08	43	468610	249.912	ug/l	99
26) 2,2-Dichloropropane	6.03	77	691746	49.256	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	441537	54.754	ug/l	92
28) Bromochloromethane	6.44	49	293012	53.965	ug/l #	96
29) Tetrahydrofuran	6.46	42	235891	265.714	ug/l	98
30) Chloroform	6.67	83	950806	56.221	ug/l	98
31) Cyclohexane	6.97	56	394379	46.170	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	908485	55.537	ug/l	99
36) 1,1-Dichloropropene	7.15	75	569680	55.677	ug/l	98
37) Ethyl Acetate	6.19	43	157830	34.335	ug/l #	95
38) Carbon Tetrachloride	7.11	117	849469	55.147	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	395701	46.417	ug/l	96
40) Benzene	7.46	78	1208248	56.344	ug/l	98
41) Methacrylonitrile	6.45	41	312119	56.763	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	663692	58.398	ug/l	97
43) Isopropyl Acetate	9.25	43	196244	33.421	ug/l #	100
44) Trichloroethene	8.55	130	481963	55.465	ug/l	99
45) 1,2-Dichloropropane	8.95	63	304551	55.875	ug/l	95
46) Dibromomethane	9.07	93	258769	57.098	ug/l	95
47) Bromodichloromethane	9.38	83	687685	59.526	ug/l	95
48) Methyl methacrylate	9.12	41	245140	64.370	ug/l	87
49) 1,4-Dioxane	9.08	88	38176	1184.123	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	1089835	272.910	ug/l	100
52) Toluene	10.52	92	829788	58.179	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	523608	52.571	ug/l	94
54) cis-1,3-Dichloropropene	10.05	75	584337	55.823	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	284634	59.090	ug/l	95
56) Ethyl methacrylate	11.05	69	207970	39.428	ug/l	93
57) 1,3-Dichloropropane	11.42	76	431928	56.911	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	744470	271.246	ug/l	100
59) 2-Hexanone	11.53	43	797099	276.982	ug/l	99
60) Dibromochloromethane	11.69	129	520298	57.216	ug/l	98
61) 1,2-Dibromoethane	11.81	107	355760	59.854	ug/l	95
64) Tetrachloroethene	11.27	164	528581	70.313	ug/l	97
65) Chlorobenzene	12.40	112	986241	54.338	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	462877	57.896	ug/l	94
67) Ethyl Benzene	12.53	91	1681493	54.535	ug/l	99
68) m/p-Xylenes	12.68	106	1191275	105.353	ug/l	93
69) o-Xylene	13.05	106	601494	57.927	ug/l	98
70) Styrene	13.08	104	919694	49.943	ug/l	99
71) Bromoform	13.24	173	335457	57.697	ug/l #	98
73) Isopropylbenzene	13.40	105	1792262	59.632	ug/l	100
74) N-amyl acetate	13.27	43	239594	30.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	318322	62.351	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	331153	57.573	ug/l	95
77) Bromobenzene	13.67	156	499385	58.326	ug/l	98
78) n-propylbenzene	13.78	91	1896654	53.028	ug/l	100
79) 2-Chlorotoluene	13.85	91	1177096	56.797	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1374407	53.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	81737	51.176	ug/l	97
82) 4-Chlorotoluene	13.96	91	1281022	52.523	ug/l	100
83) tert-Butylbenzene	14.19	119	1548931	52.331	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1447231	53.975	ug/l	99
85) sec-Butylbenzene	14.37	105	1390354	44.584	ug/l	96
86) p-Isopropyltoluene	14.50	119	1508124	50.669	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	770108	50.790	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	756326	49.328	ug/l	93
89) n-Butylbenzene	14.80	91	1208886	47.025	ug/l	97
90) Hexachloroethane	15.01	117	414832	53.495	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	687732	52.059	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	54752	52.650	ug/l	94

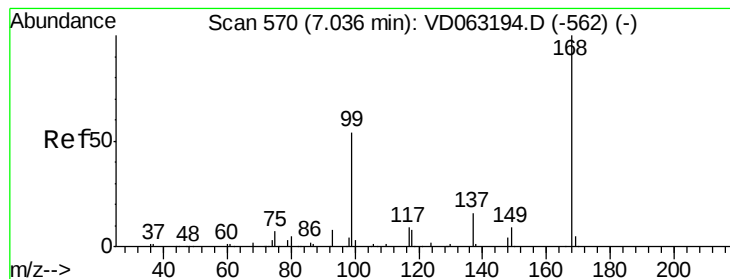
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	400187	38.185	ug/l	94
94) Hexachlorobutadiene	16.04	225	253593	33.391	ug/l	97
95) Naphthalene	16.13	128	586549	39.598	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	320187	38.674	ug/l	96

(#) = 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: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

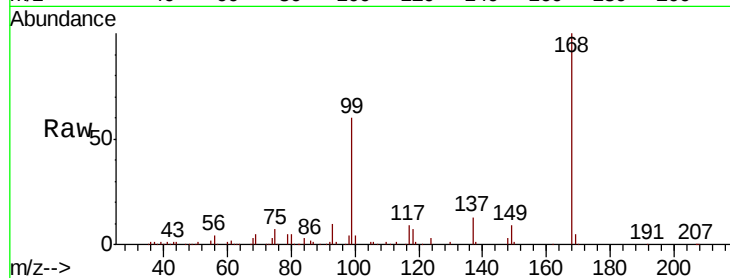
SB-05(13-14)MS

Tgt Ion:168 Resp: 864229

Ion Ratio Lower Upper

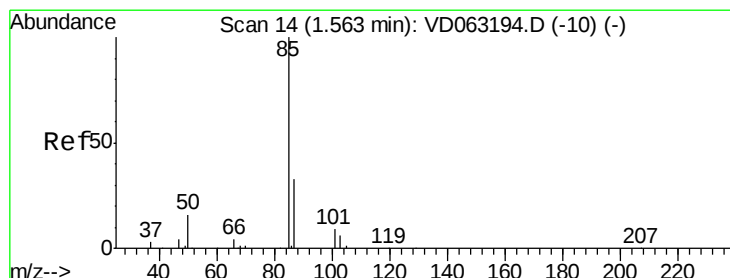
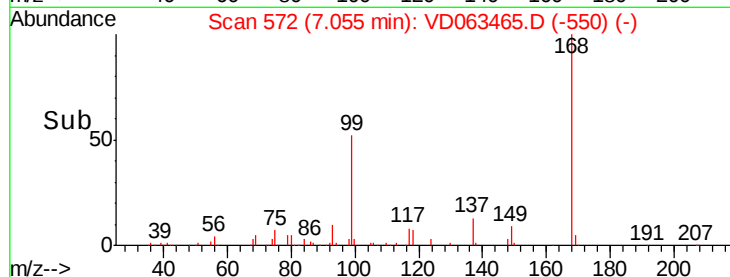
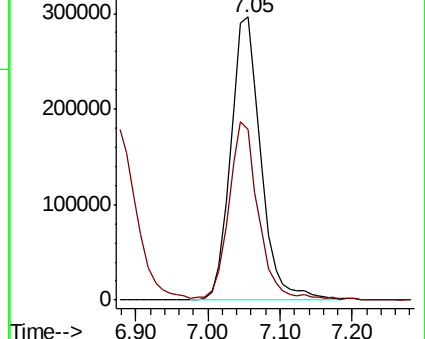
168 100

99 60.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.643 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063465.D

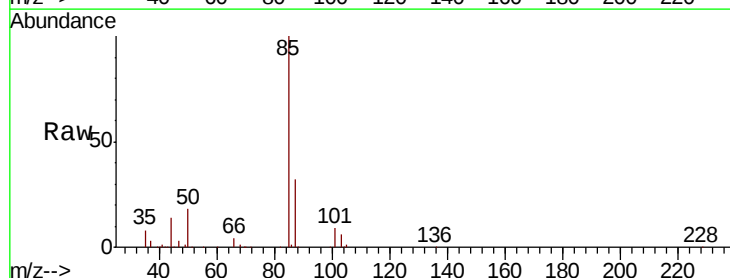
Acq: 9 Aug 2019 5:14

Tgt Ion: 85 Resp: 471610

Ion Ratio Lower Upper

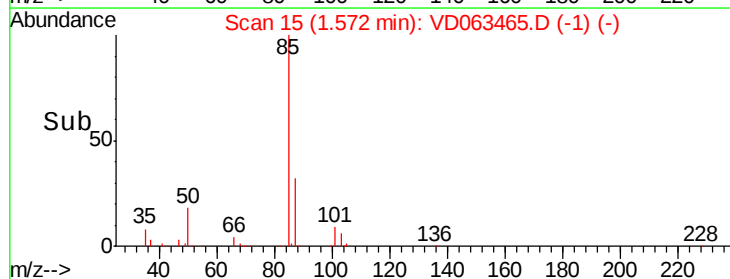
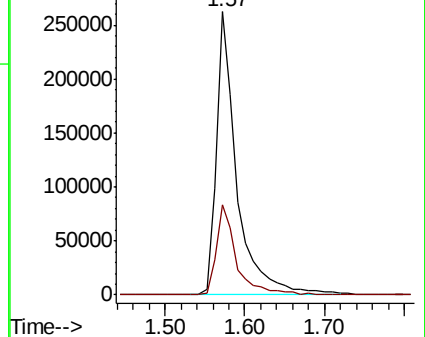
85 100

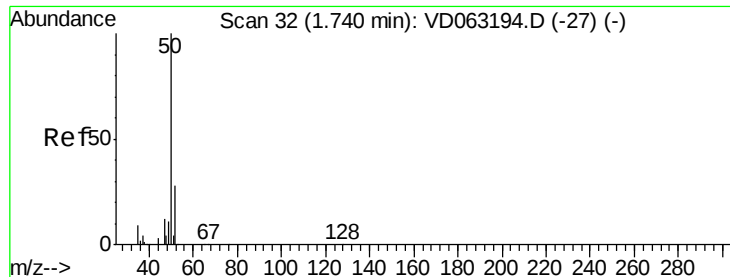
87 31.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.231 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

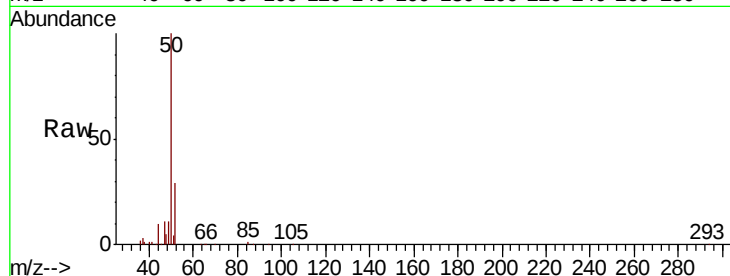
SB-05(13-14)MS

Tgt Ion: 50 Resp: 404068

Ion Ratio Lower Upper

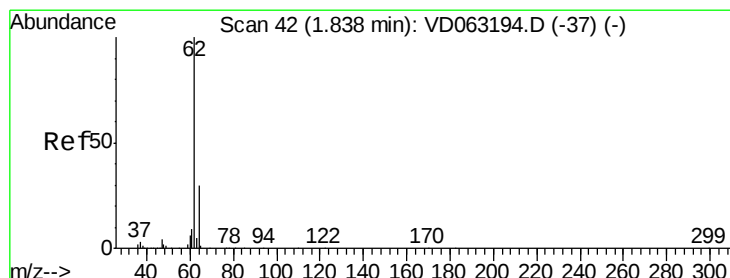
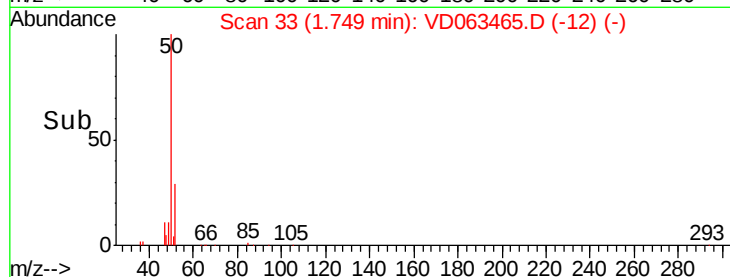
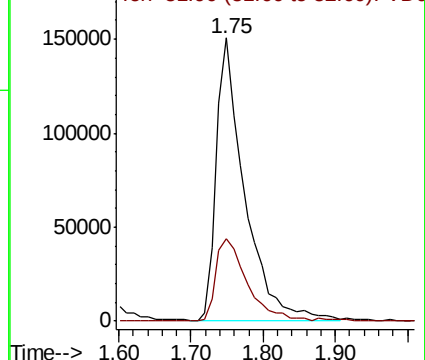
50 100

52 29.2 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: 47.684 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063465.D

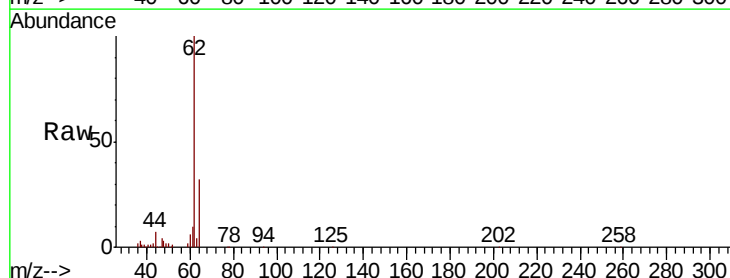
Acq: 9 Aug 2019 5:14

Tgt Ion: 62 Resp: 405156

Ion Ratio Lower Upper

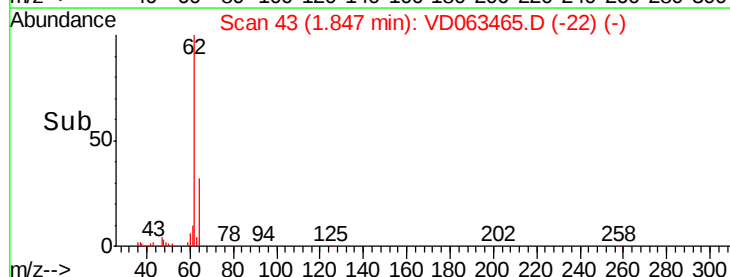
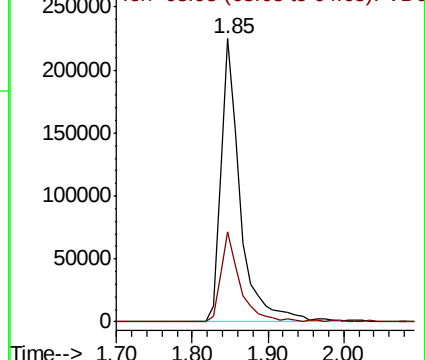
62 100

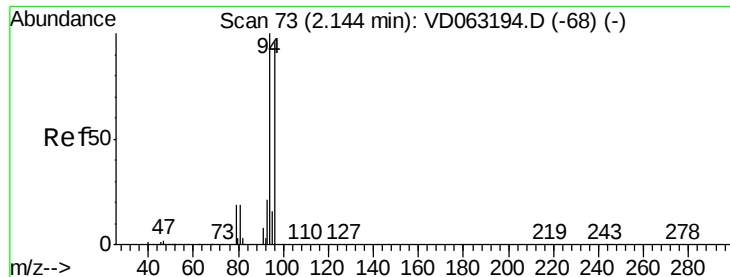
64 32.0 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.837 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

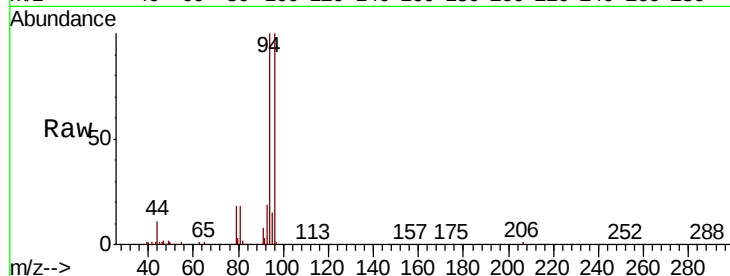
Tgt Ion: 94 Resp: 226420

Ion Ratio Lower Upper

94 100

96 100.4 76.4 114.6

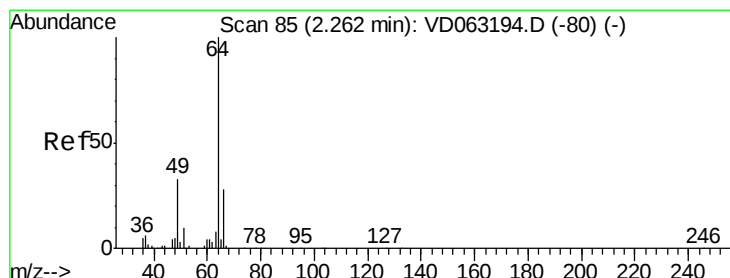
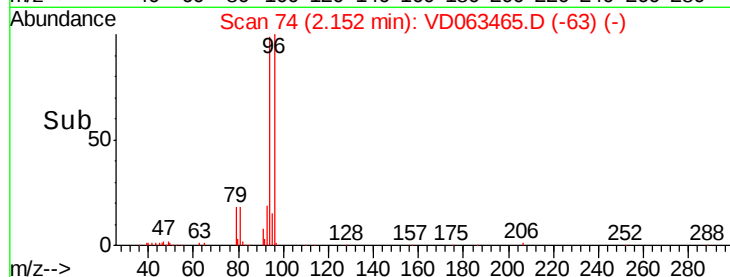
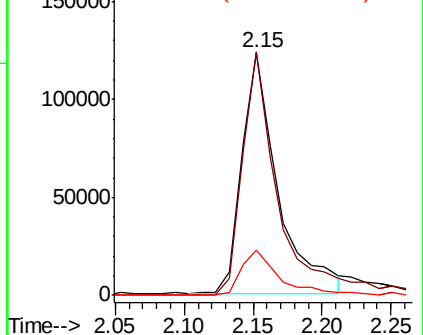
93 18.8 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 52.452 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063465.D

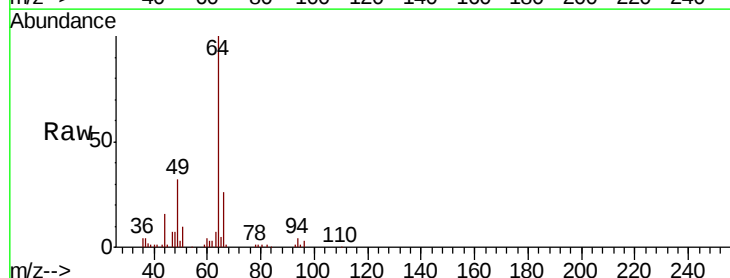
Acq: 9 Aug 2019 5:14

Tgt Ion: 64 Resp: 205764

Ion Ratio Lower Upper

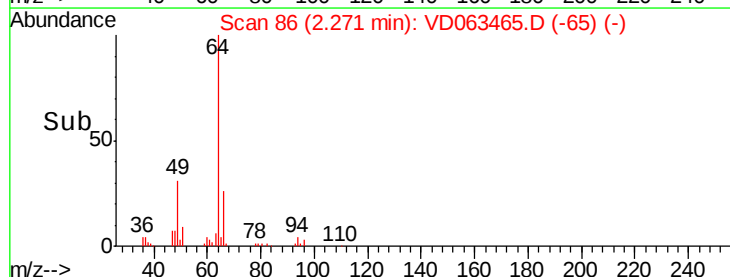
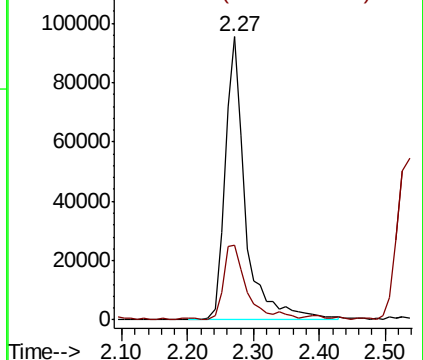
64 100

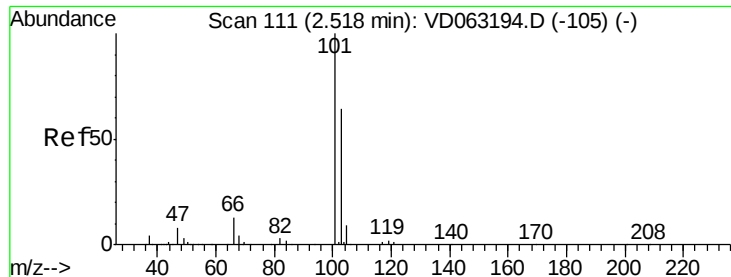
66 26.3 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



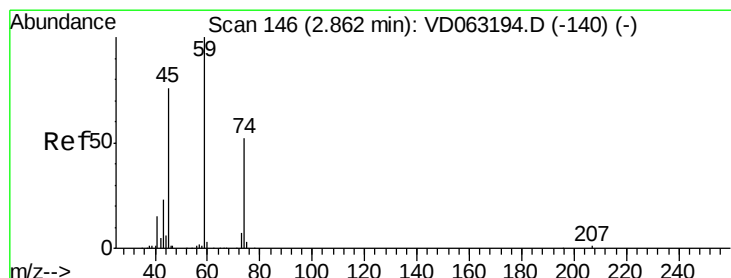
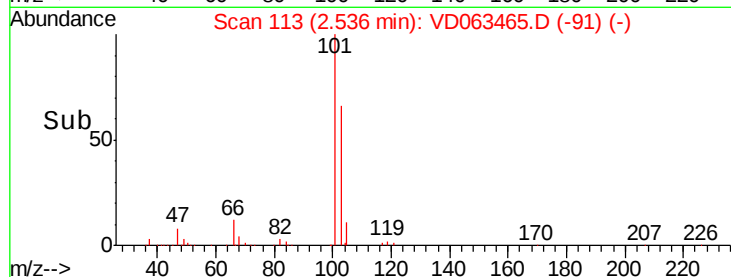
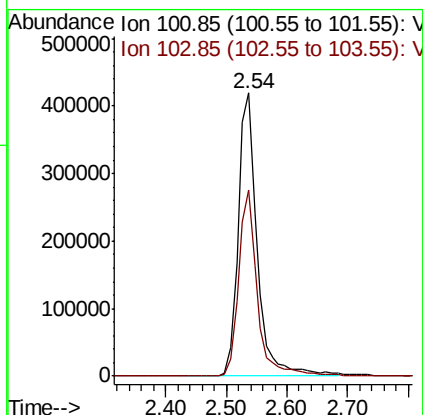
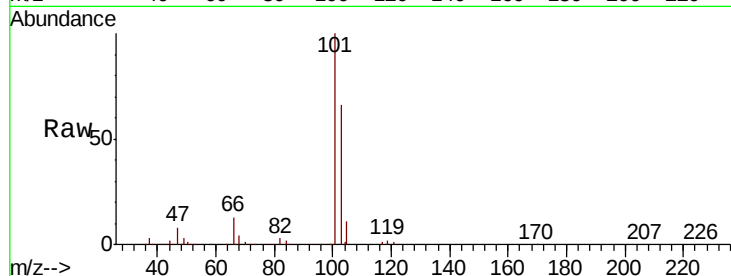


#7

Trichlorofluoromethane
 Concen: 55.351 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

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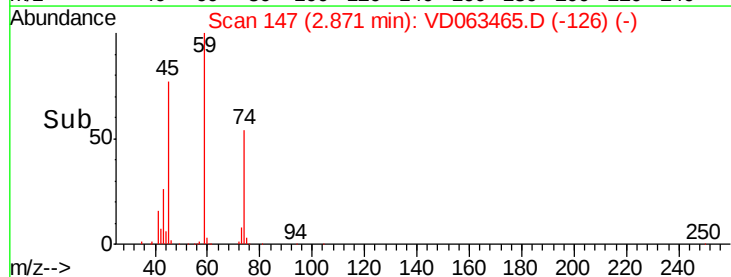
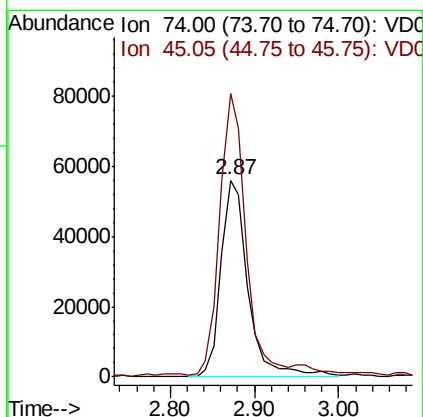
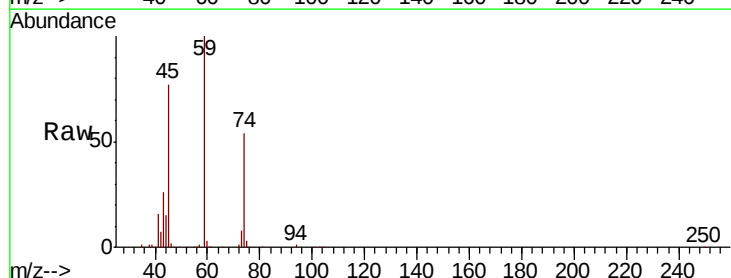
Tgt Ion: 101 Resp: 912389
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.5 77.3

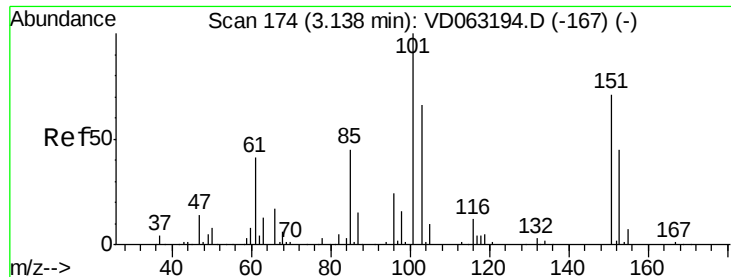


#8

Diethyl Ether
 Concen: 54.427 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

Tgt Ion: 74 Resp: 125561
 Ion Ratio Lower Upper
 74 100
 45 144.0 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.953 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

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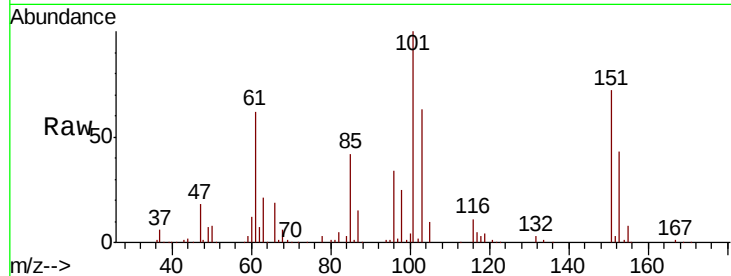
Tgt Ion:101 Resp: 483507

Ion Ratio Lower Upper

101 100

85 41.5 36.1 54.1

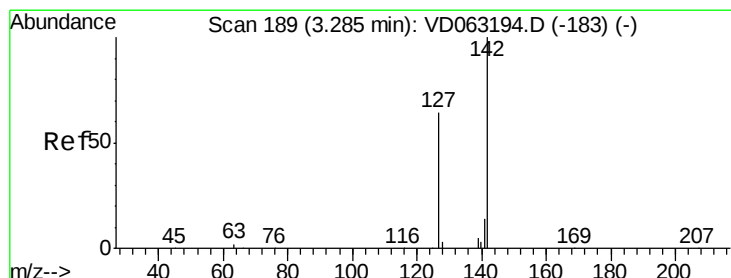
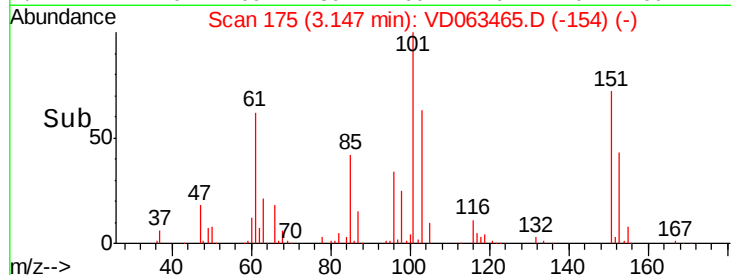
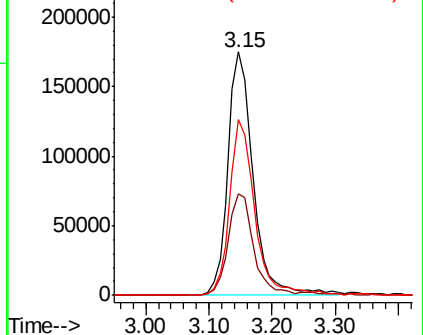
151 72.2 57.1 85.7



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: 51.398 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

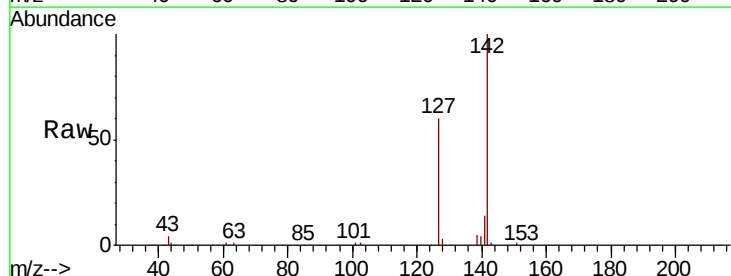
Tgt Ion:142 Resp: 677975

Ion Ratio Lower Upper

142 100

127 60.2 50.8 76.2

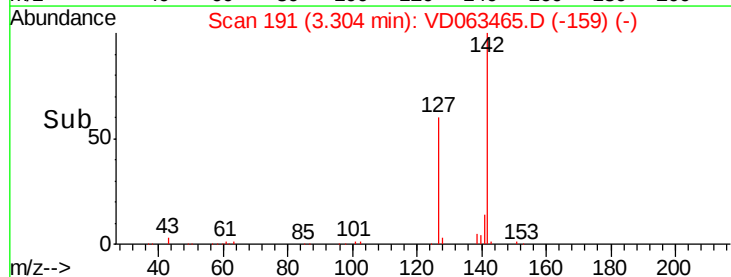
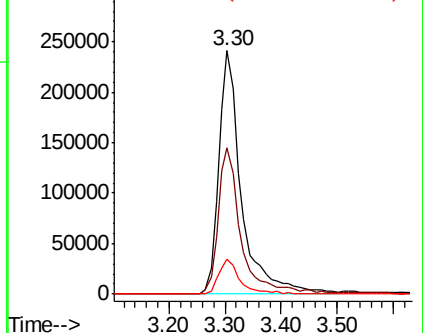
141 14.2 11.4 17.2

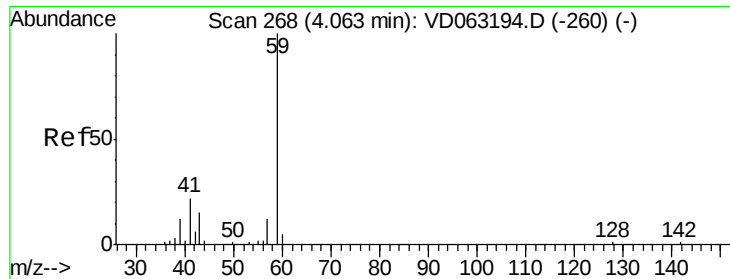


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

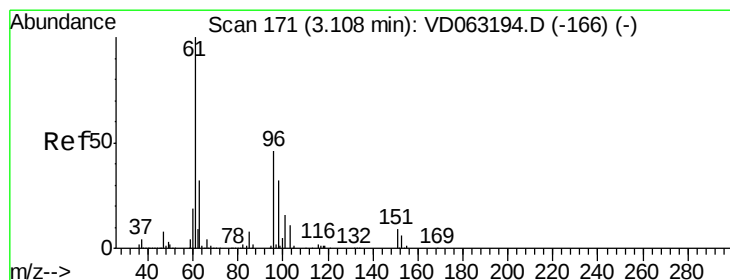
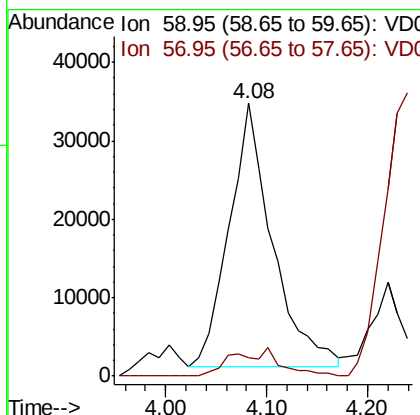
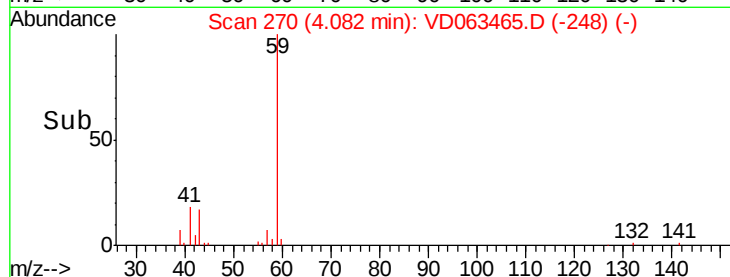
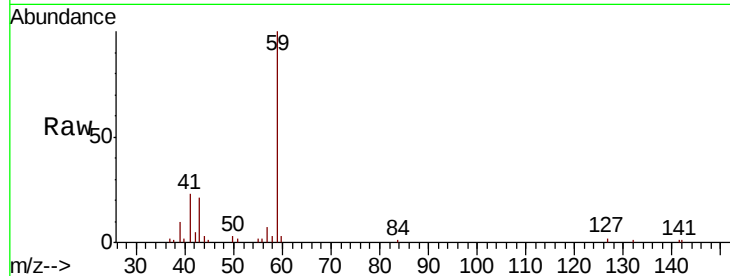




#11
Tert butyl alcohol
Concen: 238.297 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

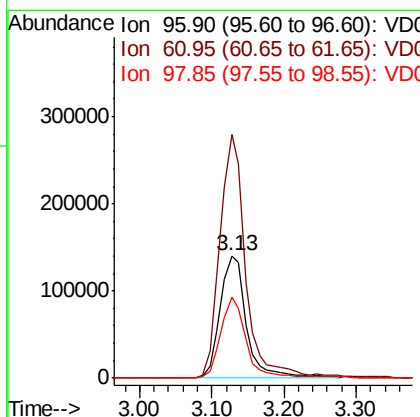
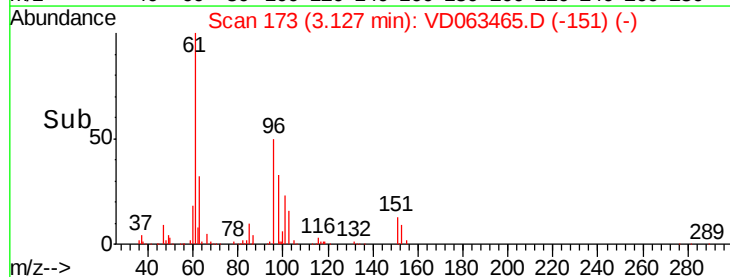
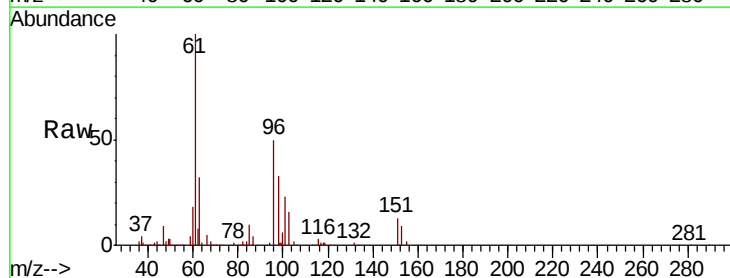
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

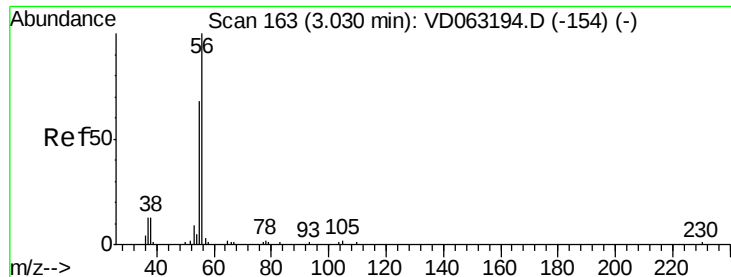
Tgt Ion: 59 Resp: 100283
Ion Ratio Lower Upper
59 100
57 6.8 9.6 14.4#



#12
1,1-Dichloroethene
Concen: 53.144 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 96 Resp: 356237
Ion Ratio Lower Upper
96 100
61 199.2 173.7 260.5
98 66.5 55.8 83.8





#13

Acrolein

Concen: 4.926 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

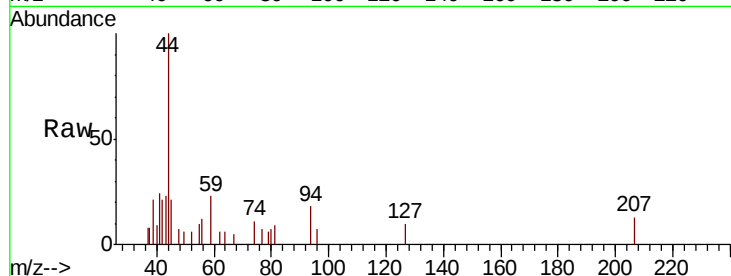
SB-05(13-14)MS

Tgt Ion: 56 Resp: 1995

Ion Ratio Lower Upper

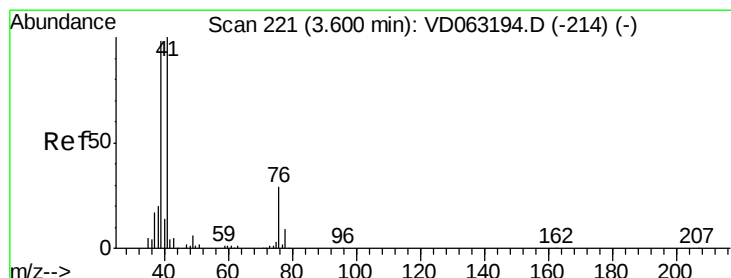
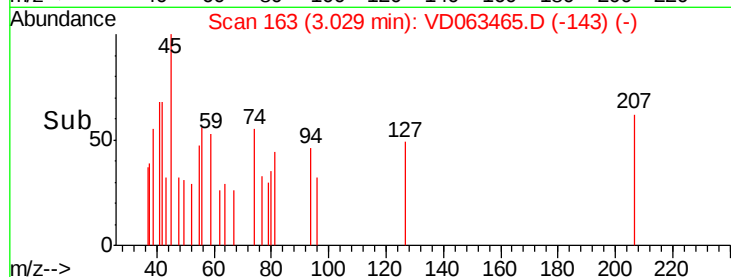
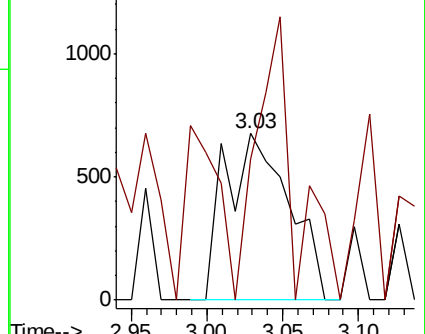
56 100

55 85.1 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: 51.774 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

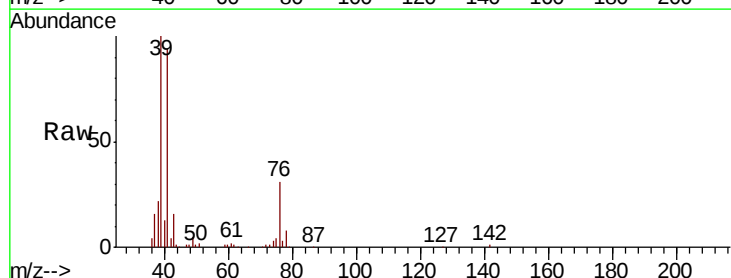
Tgt Ion: 41 Resp: 552875

Ion Ratio Lower Upper

41 100

39 106.6 78.6 117.8

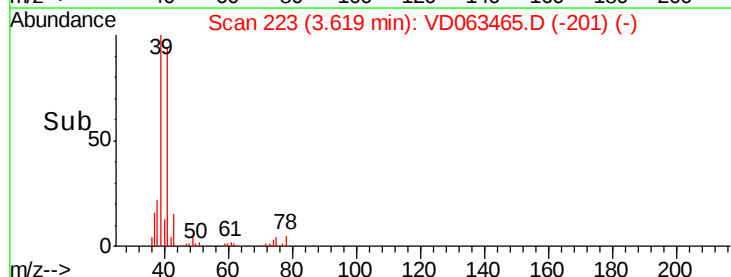
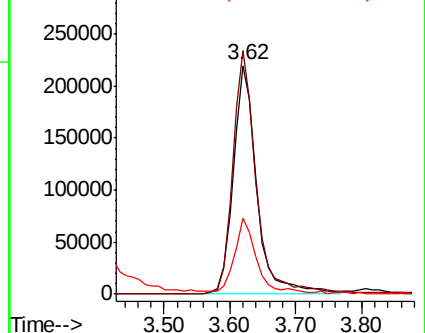
76 33.3 24.5 36.7

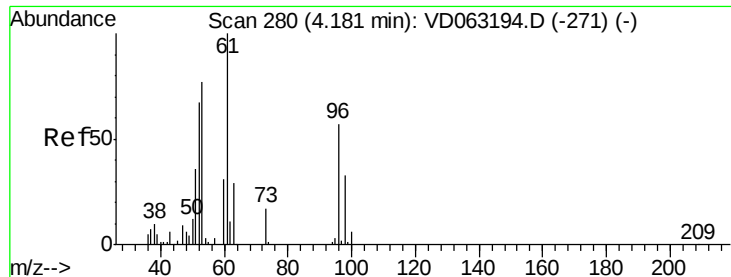


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 255.223 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

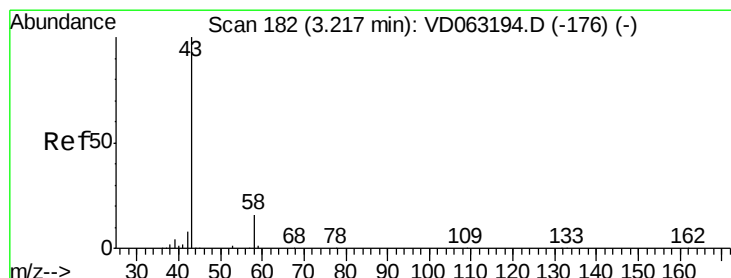
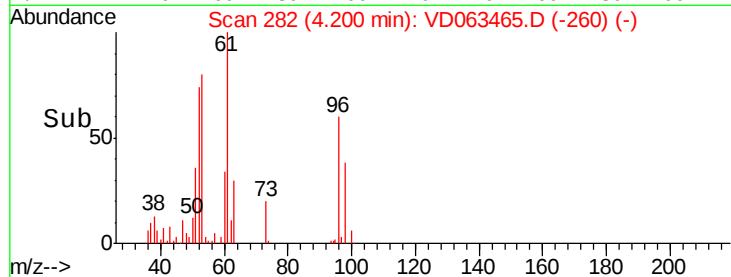
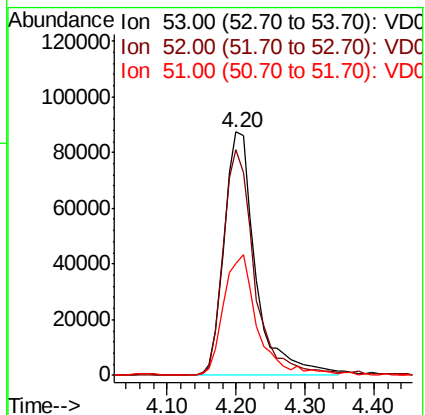
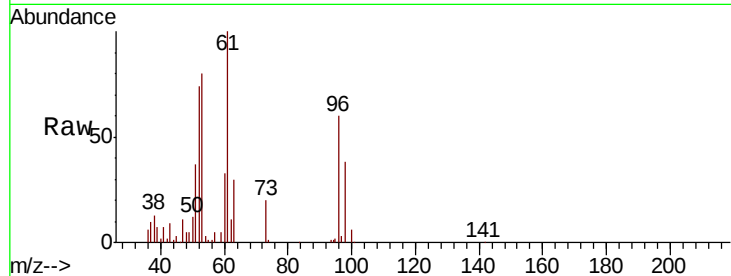
Tgt Ion: 53 Resp: 278458

Ion Ratio Lower Upper

53 100

52 92.5 69.7 104.5

51 45.8 37.4 56.0



#16

Acetone

Concen: 271.468 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063465.D

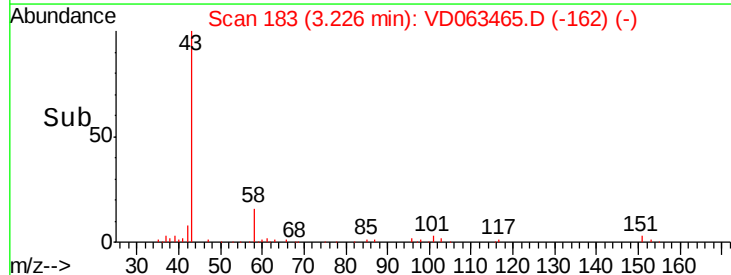
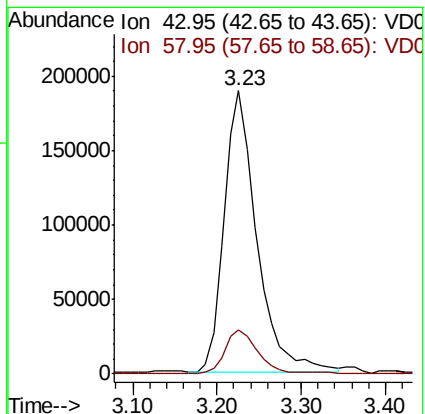
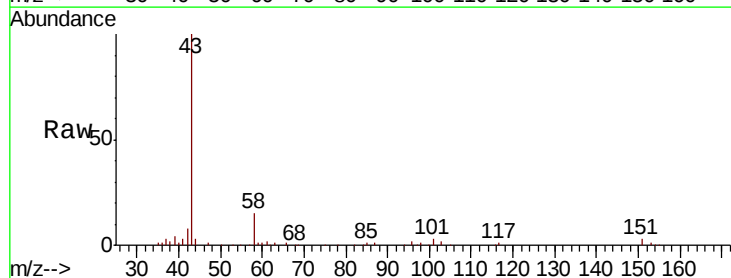
Acq: 9 Aug 2019 5:14

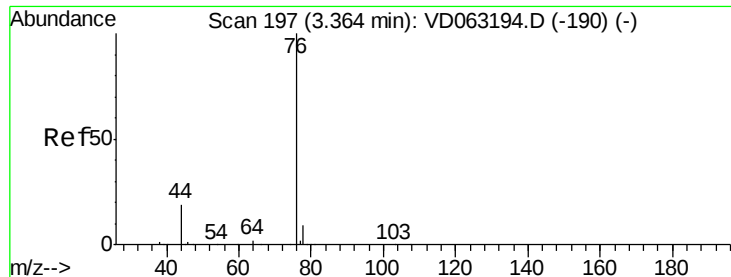
Tgt Ion: 43 Resp: 507210

Ion Ratio Lower Upper

43 100

58 15.4 13.0 19.4

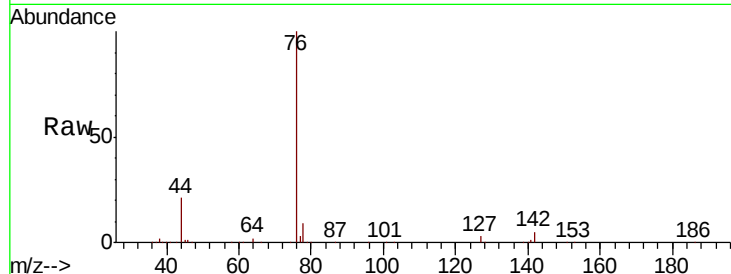




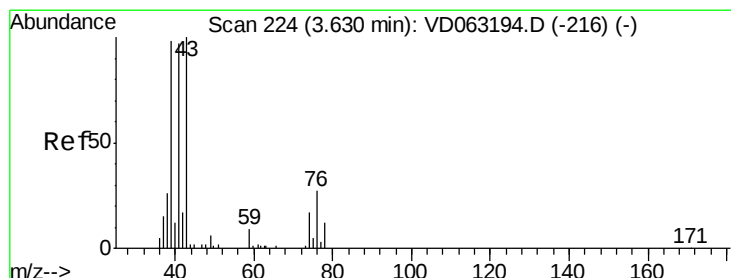
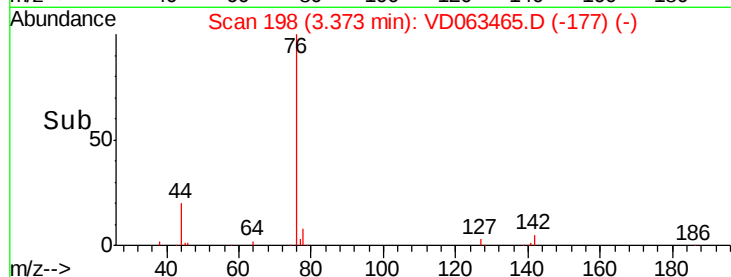
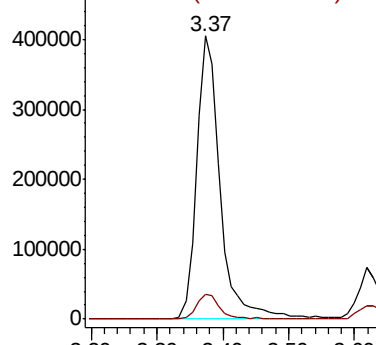
#17
Carbon Disulfide
Concen: 45.009 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

Tgt Ion: 76 Resp: 1009852
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

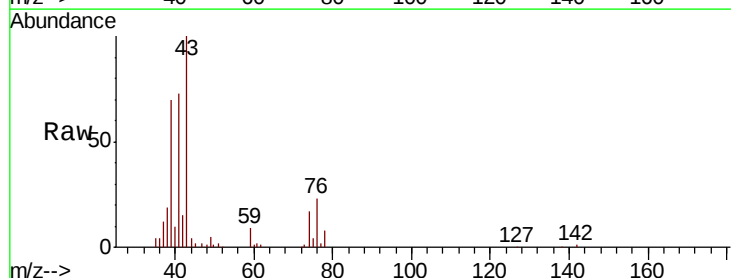


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

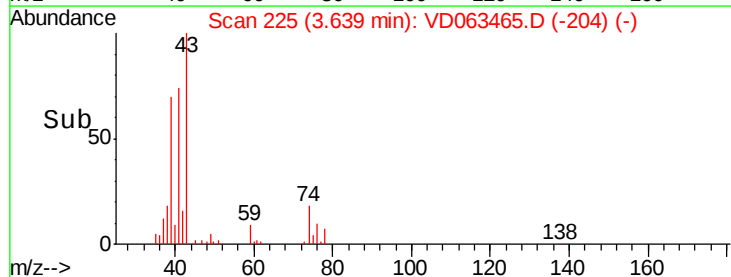
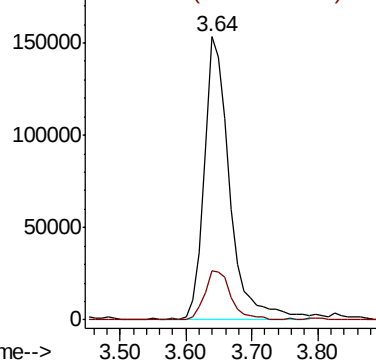


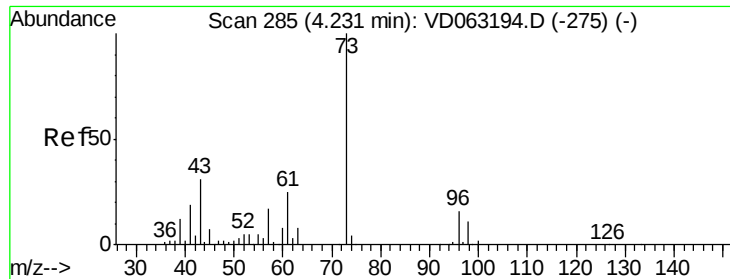
#18
Methyl Acetate
Concen: 116.566 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 43 Resp: 418339
Ion Ratio Lower Upper
43 100
74 17.4 13.8 20.8



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

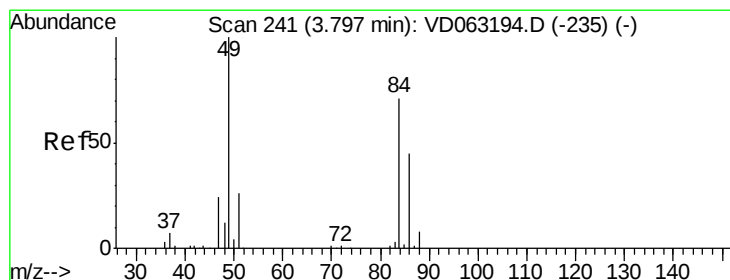
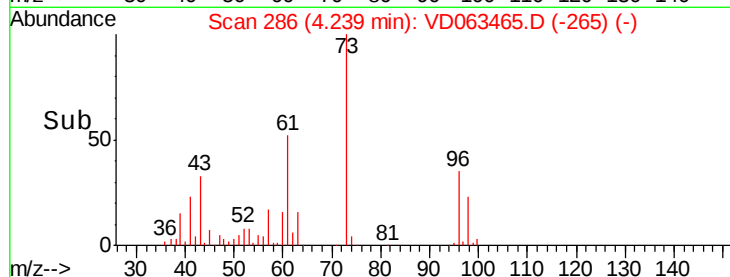
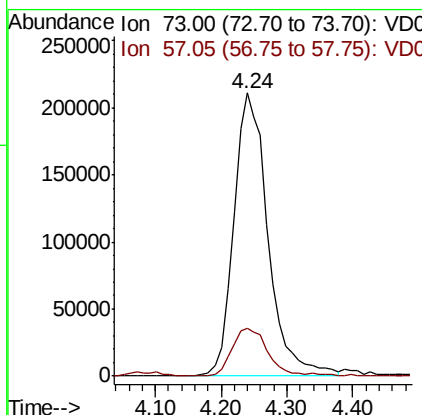
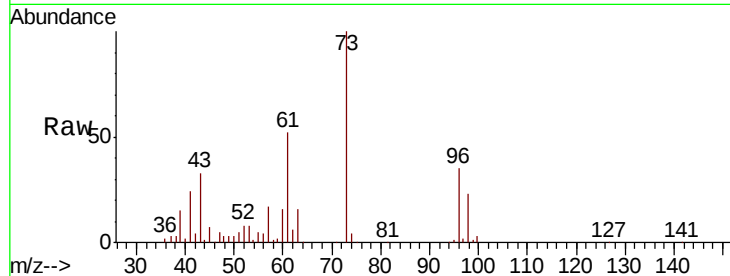




#19
Methyl tert-butyl Ether
Concen: 50.634 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

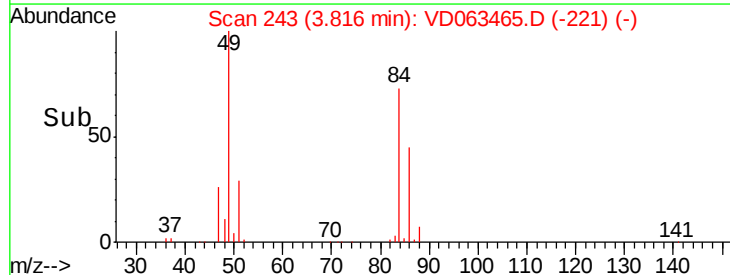
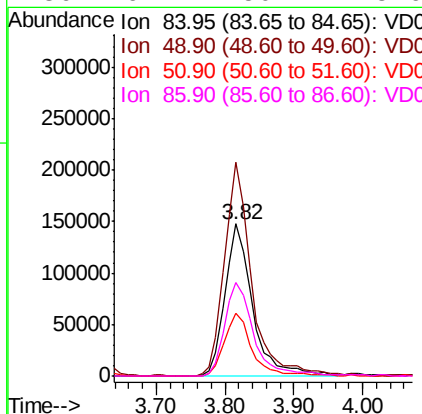
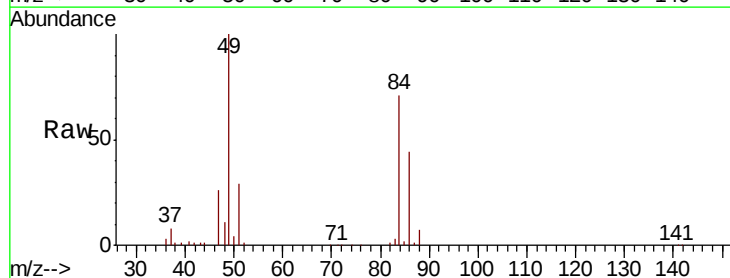
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

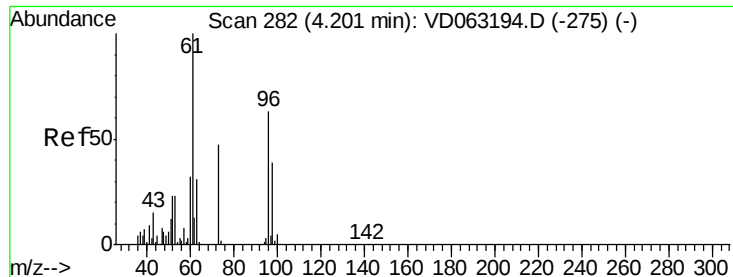
Tgt Ion: 73 Resp: 766691
Ion Ratio Lower Upper
73 100
57 17.1 13.8 20.6



#20
Methylene Chloride
Concen: 54.394 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 84 Resp: 410800
Ion Ratio Lower Upper
84 100
49 140.4 112.5 168.7
51 41.2 29.6 44.4
86 61.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 52.600 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

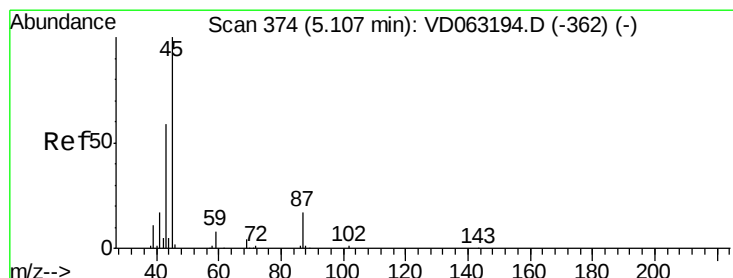
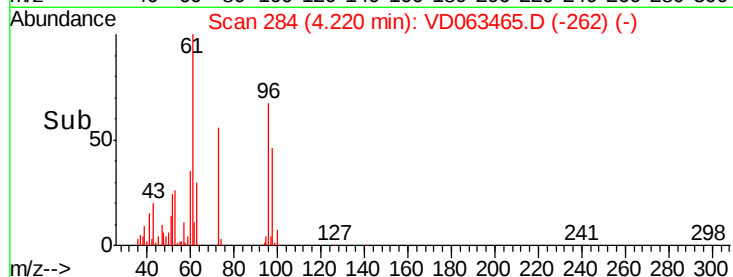
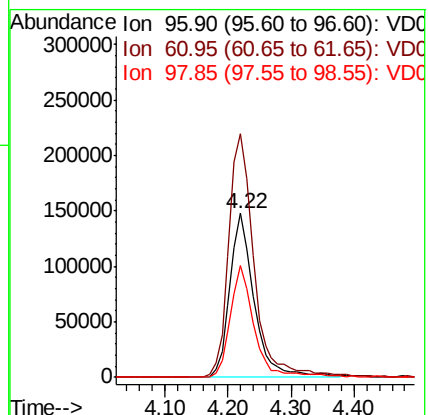
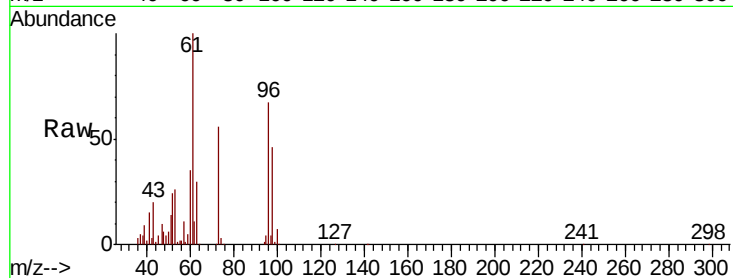
Tgt Ion: 96 Resp: 395626

Ion Ratio Lower Upper

96 100

61 148.5 127.4 191.2

98 68.5 49.3 73.9



#22

Diisopropyl ether

Concen: 53.924 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Tgt Ion: 45 Resp: 1150454

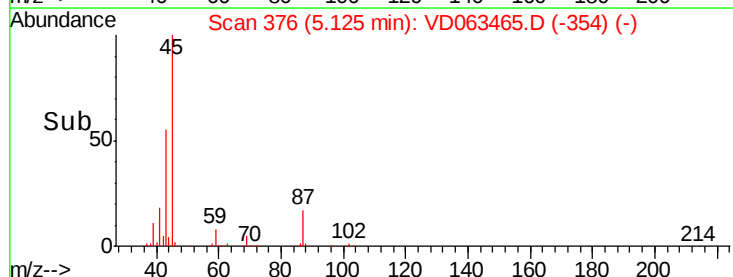
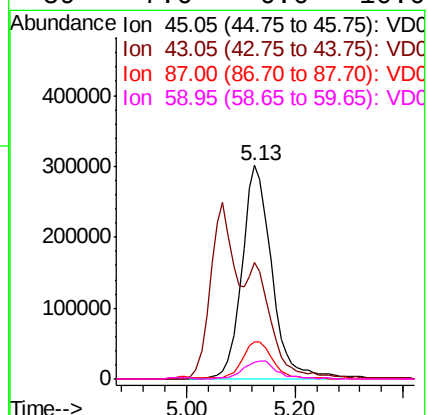
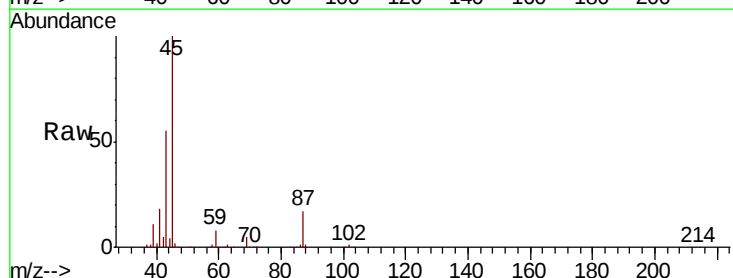
Ion Ratio Lower Upper

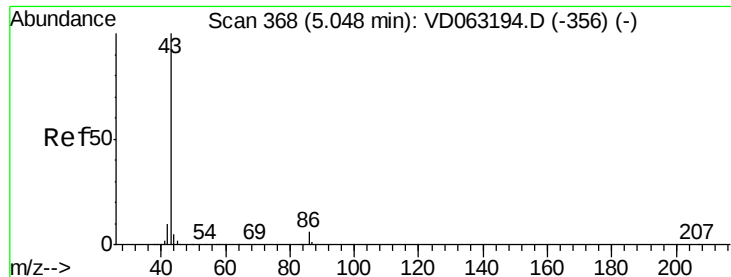
45 100

43 54.8 51.7 77.5

87 17.2 14.6 21.8

59 7.6 6.6 10.0





#23

Vinyl Acetate

Concen: 63.396 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

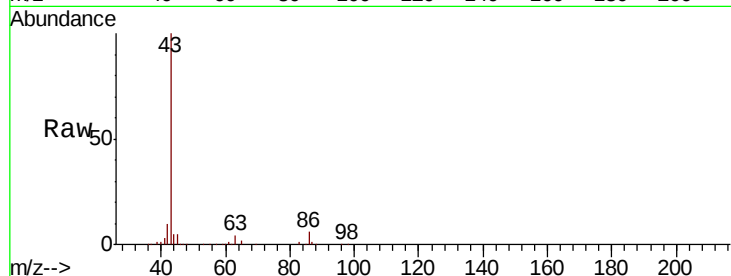
SB-05(13-14)MS

Tgt Ion: 43 Resp: 831399

Ion Ratio Lower Upper

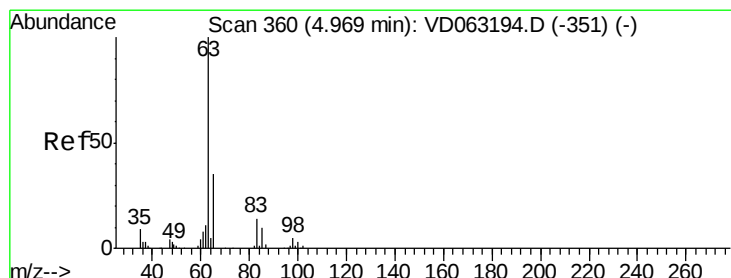
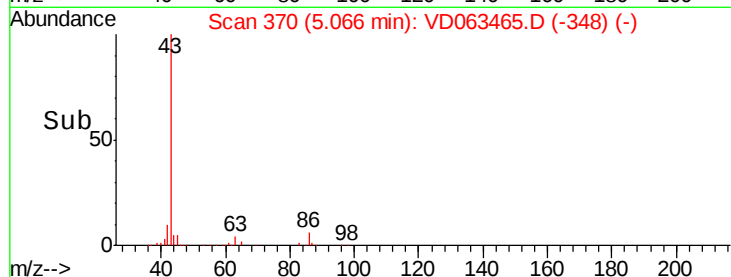
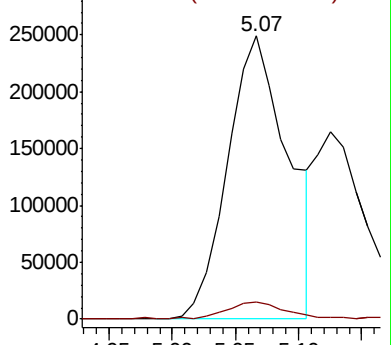
43 100

86 6.0 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: 54.904 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

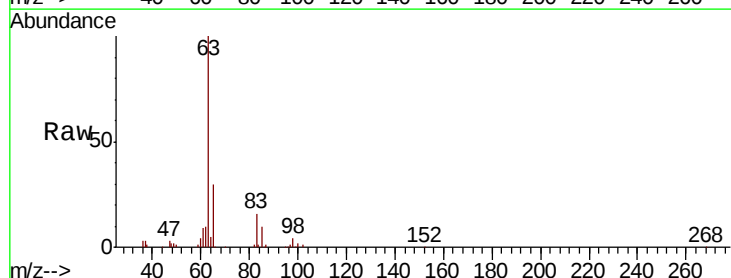
Tgt Ion: 63 Resp: 748207

Ion Ratio Lower Upper

63 100

98 4.3 2.8 8.4

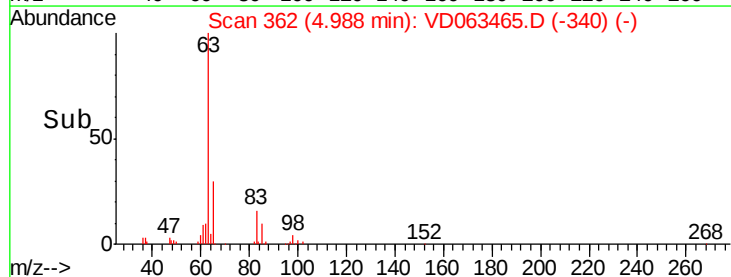
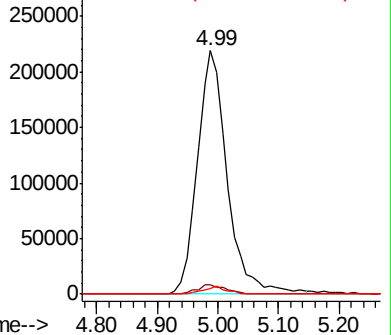
100 2.5 1.3 3.9

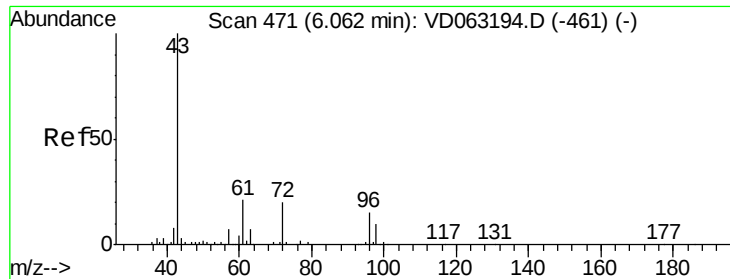


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 249.912 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

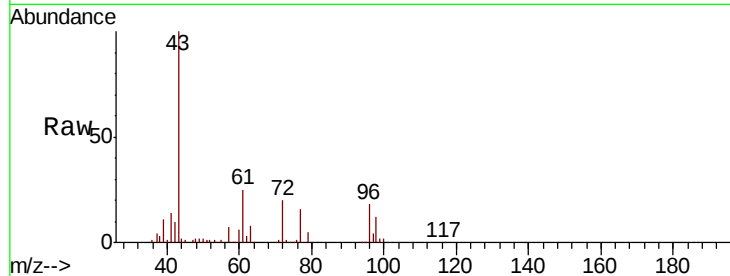
SB-05(13-14)MS

Tgt Ion: 43 Resp: 468610

Ion Ratio Lower Upper

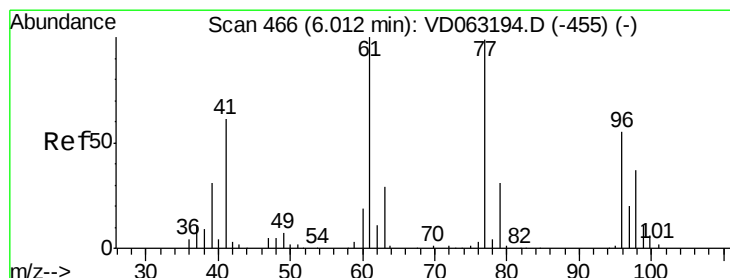
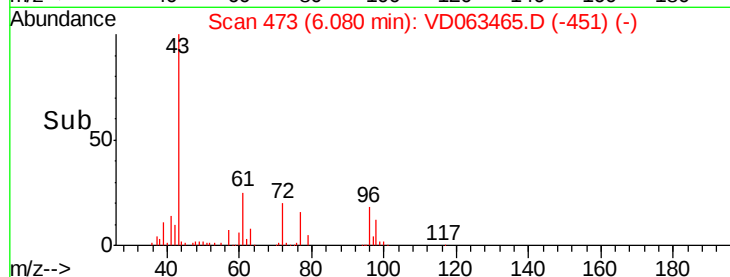
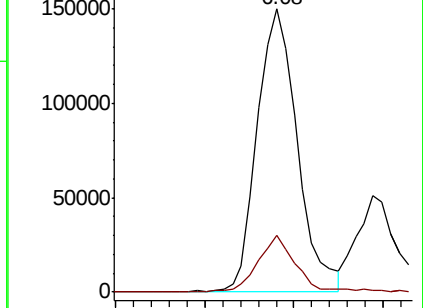
43 100

72 20.0 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: 49.256 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063465.D

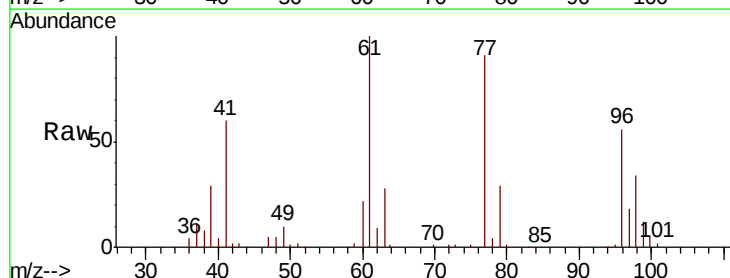
Acq: 9 Aug 2019 5:14

Tgt Ion: 77 Resp: 691746

Ion Ratio Lower Upper

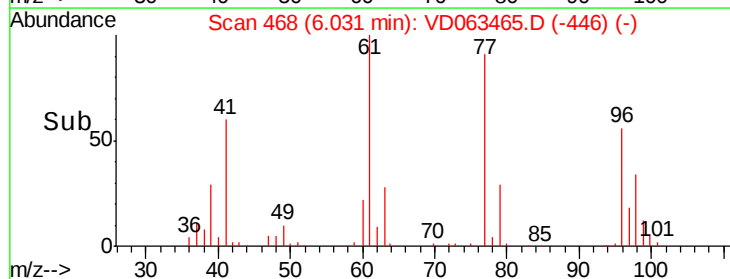
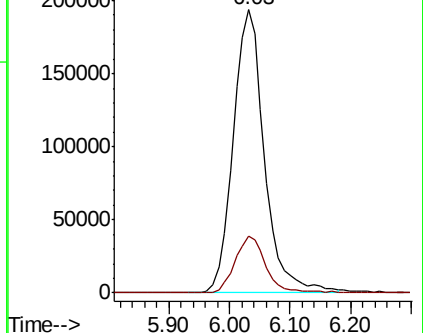
77 100

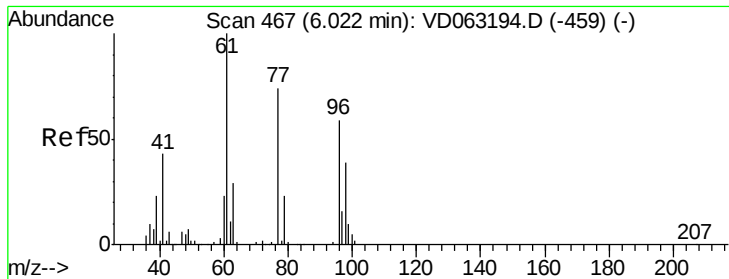
97 20.0 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



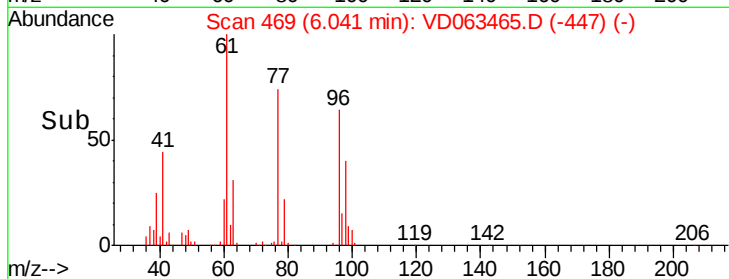
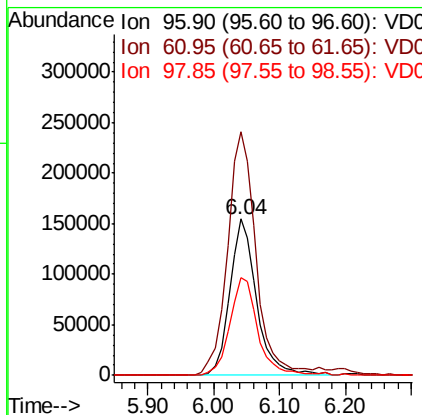
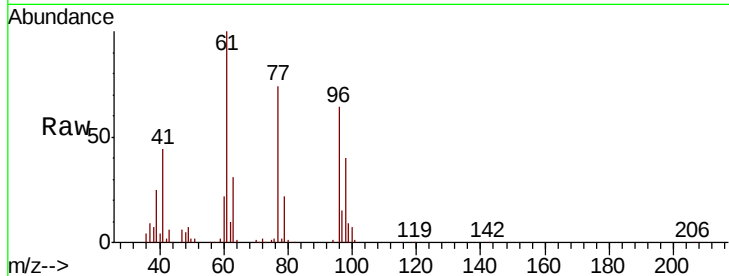


#27

cis-1,2-Dichloroethene
 Concen: 54.754 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(13-14)MS

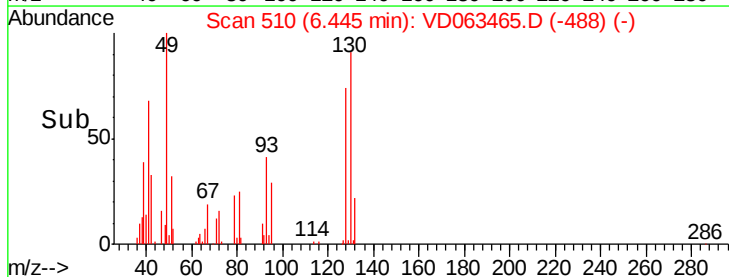
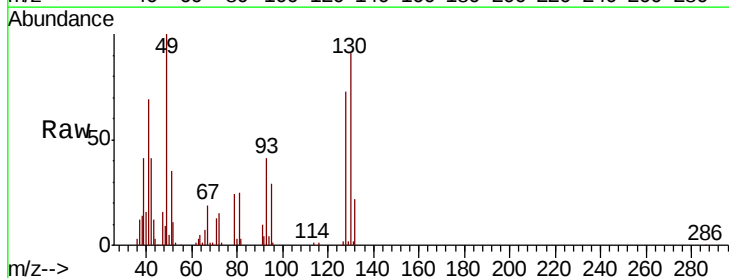
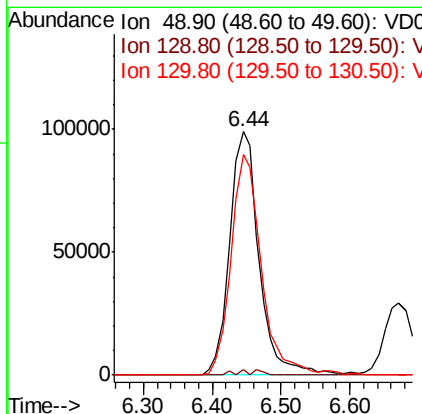
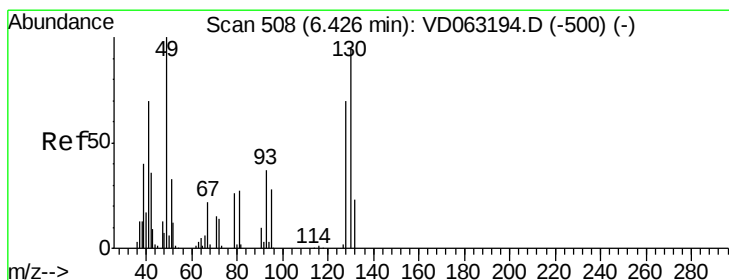
Tgt Ion: 96 Resp: 441537
 Ion Ratio Lower Upper
 96 100
 61 155.9 0.0 337.2
 98 62.6 0.0 130.6

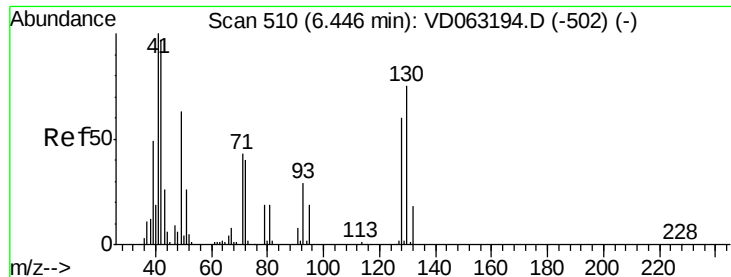


#28

Bromochloromethane
 Concen: 53.965 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.02 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

Tgt Ion: 49 Resp: 293012
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 0.0#
 130 90.7 75.7 113.5





#29

Tetrahydrofuran

Concen: 265.714 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

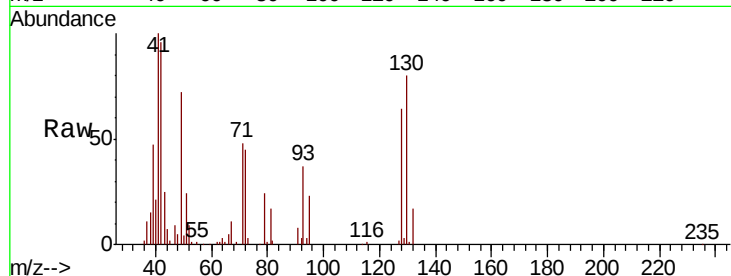
Tgt Ion: 42 Resp: 235891

Ion Ratio Lower Upper

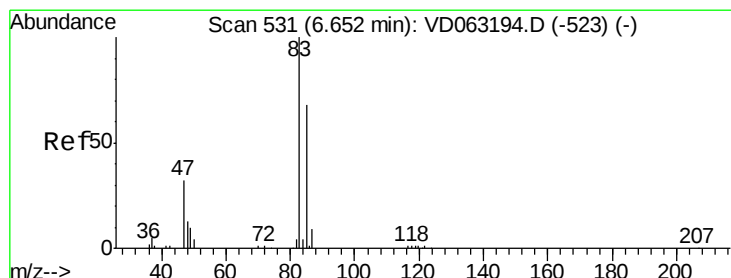
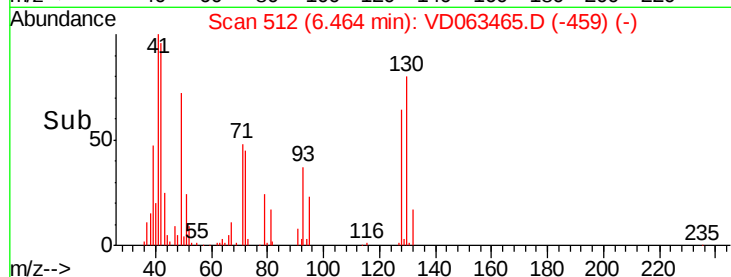
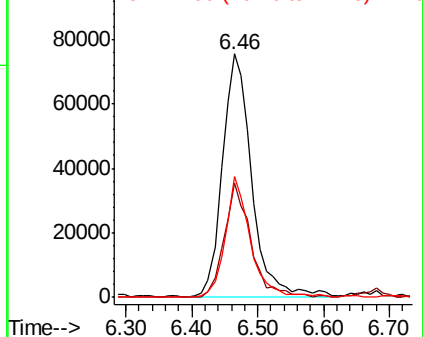
42 100

72 42.4 33.4 50.2

71 42.1 35.7 53.5



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



#30

Chloroform

Concen: 56.221 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.02 min

Lab File: VD063465.D

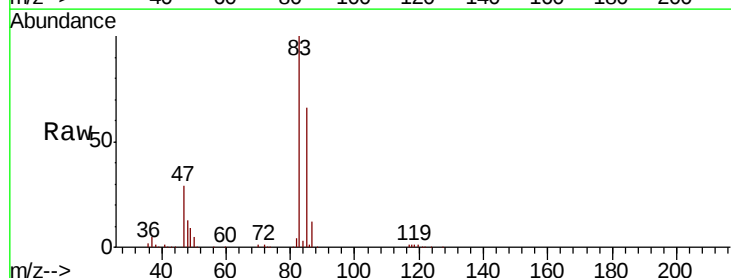
Acq: 9 Aug 2019 5:14

Tgt Ion: 83 Resp: 950806

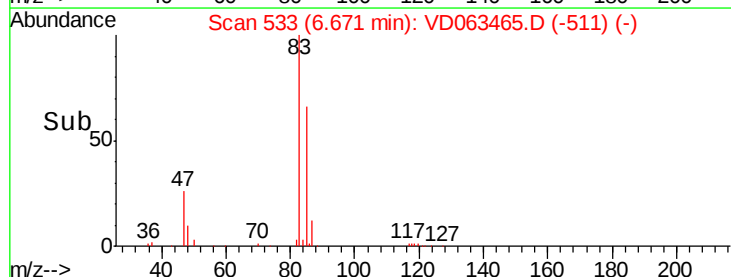
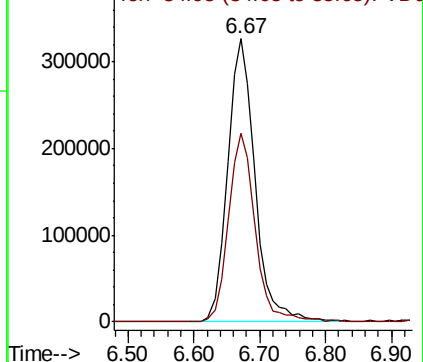
Ion Ratio Lower Upper

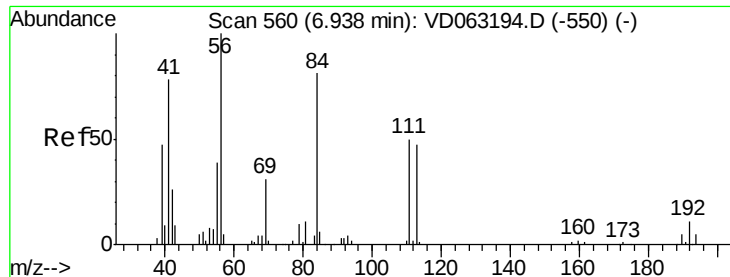
83 100

85 66.4 54.2 81.4



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

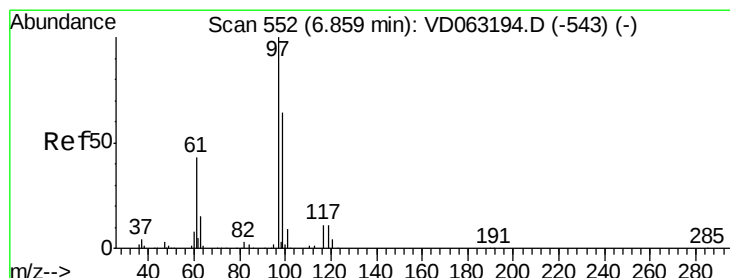
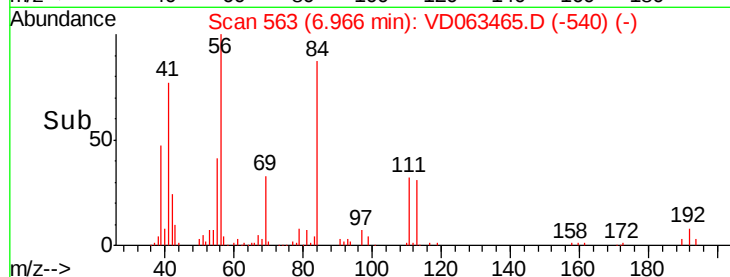
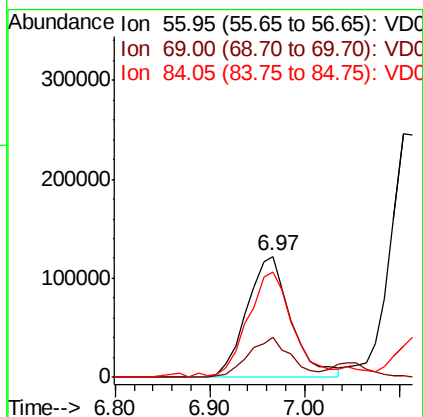
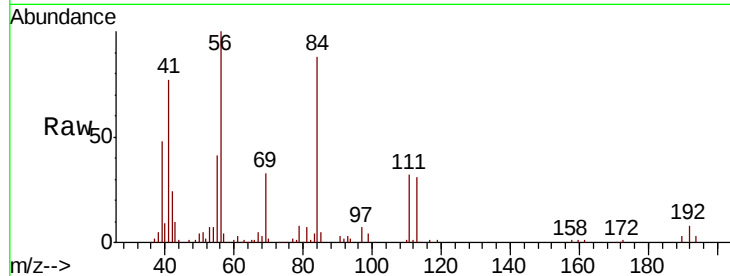




#31
Cyclohexane
Concen: 46.170 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

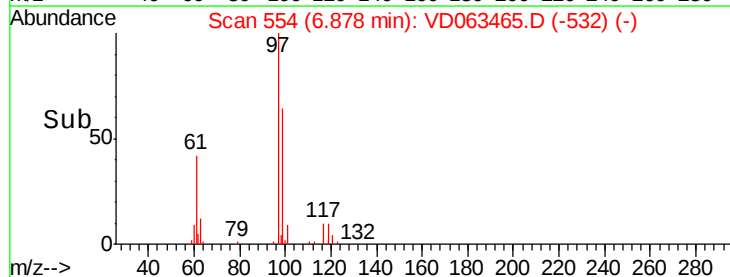
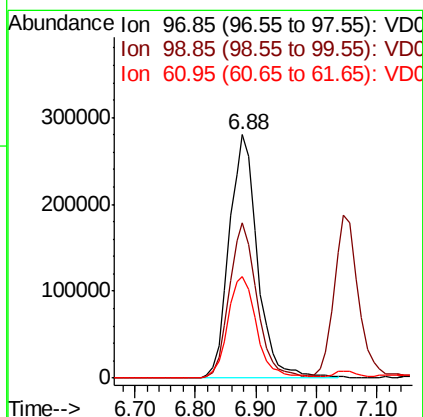
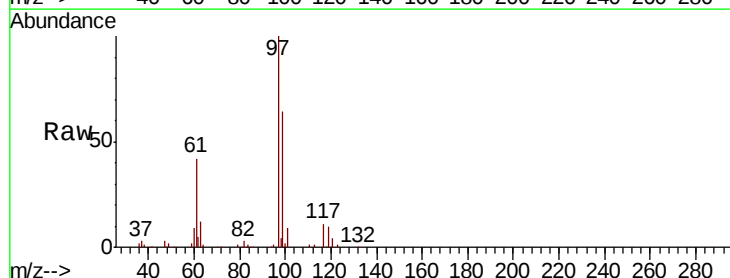
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

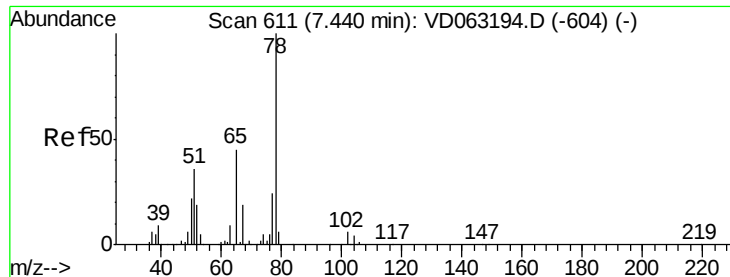
Tgt Ion: 56 Resp: 394379
Ion Ratio Lower Upper
56 100
69 33.2 24.5 36.7
84 87.6 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 55.537 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 97 Resp: 908485
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 41.8 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 50.721 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

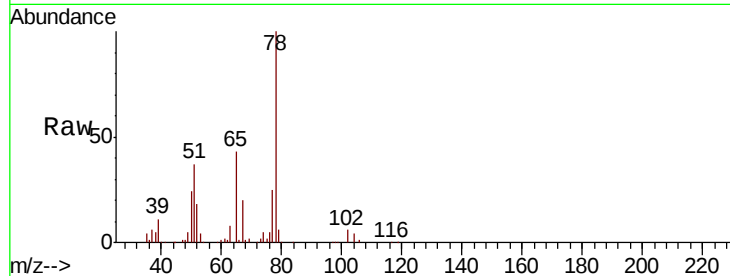
SB-05(13-14)MS

Tgt Ion: 65 Resp: 486391

Ion Ratio Lower Upper

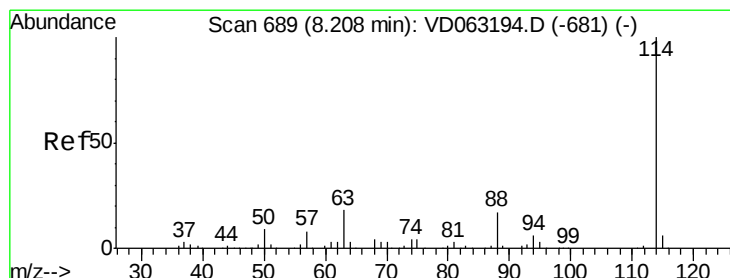
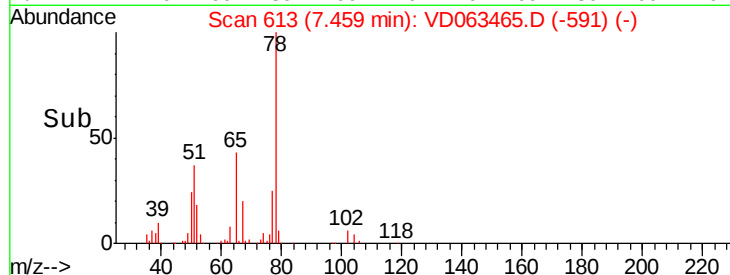
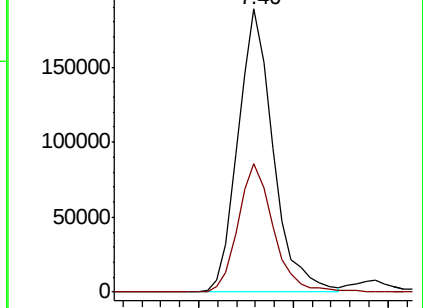
65 100

67 45.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

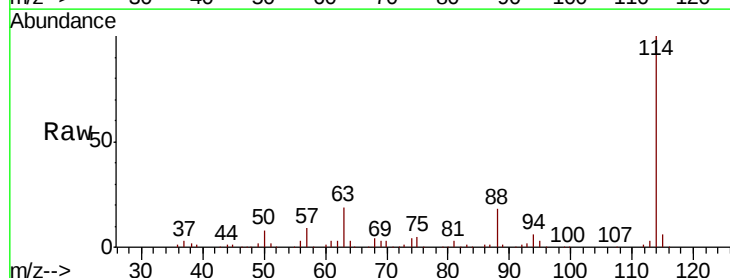
Tgt Ion: 114 Resp: 1121150

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.2

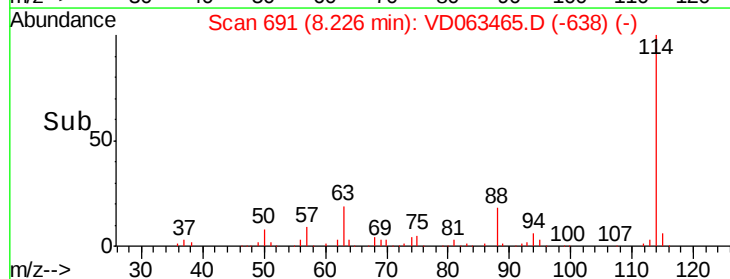
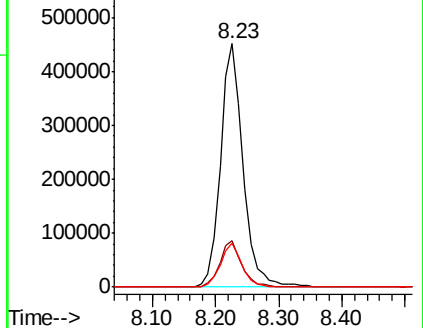
88 18.3 0.0 34.6

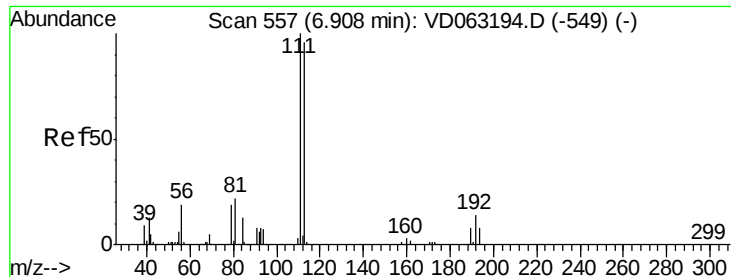


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 58.238 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

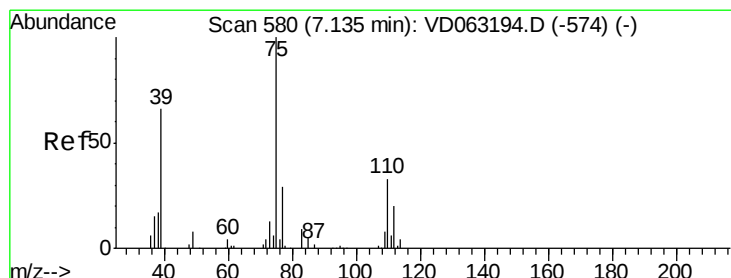
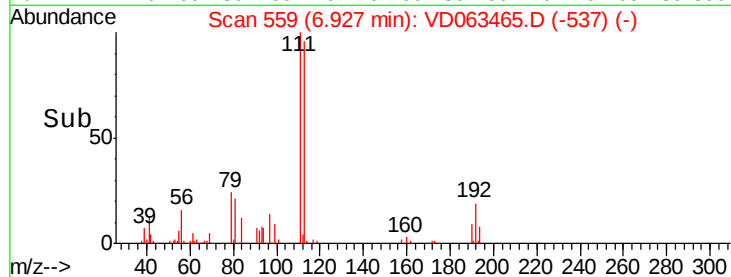
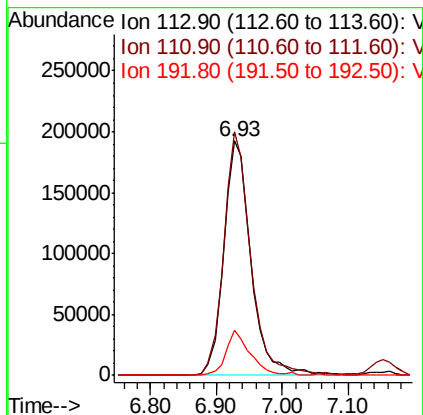
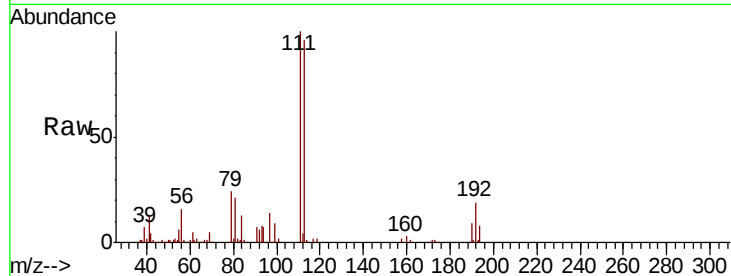
Tgt Ion:113 Resp: 557467

Ion Ratio Lower Upper

113 100

111 103.8 83.2 124.8

192 19.3 11.8 17.8#



#36

1,1-Dichloropropene

Concen: 55.677 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

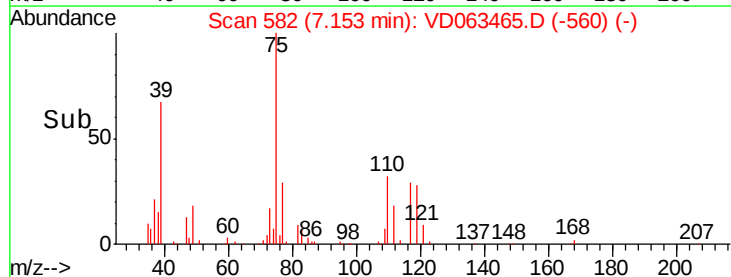
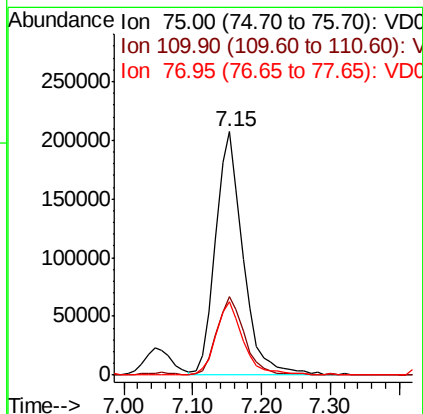
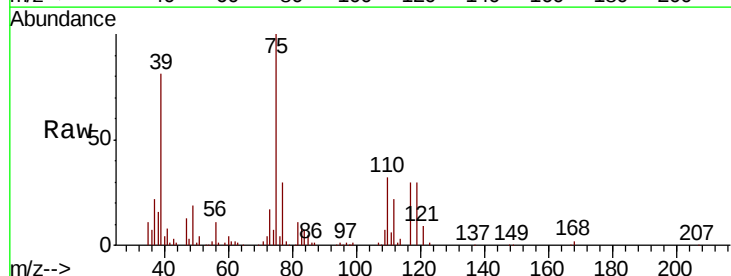
Tgt Ion: 75 Resp: 569680

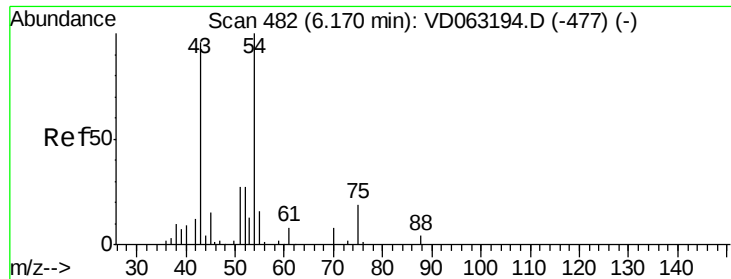
Ion Ratio Lower Upper

75 100

110 32.1 16.1 48.2

77 30.2 22.7 34.1





#37

Ethyl Acetate

Concen: 34.335 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

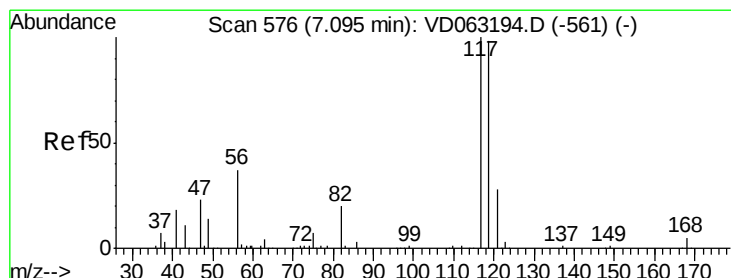
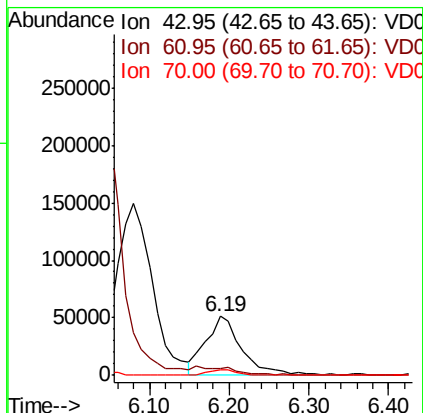
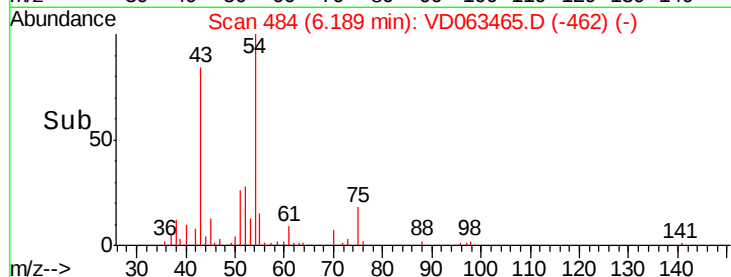
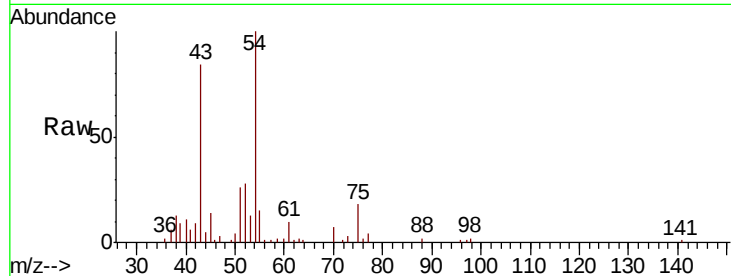
Tgt Ion: 43 Resp: 157830

Ion Ratio Lower Upper

43 100

61 12.1 11.3 16.9

70 8.4 5.1 7.7#



#38

Carbon Tetrachloride

Concen: 55.147 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

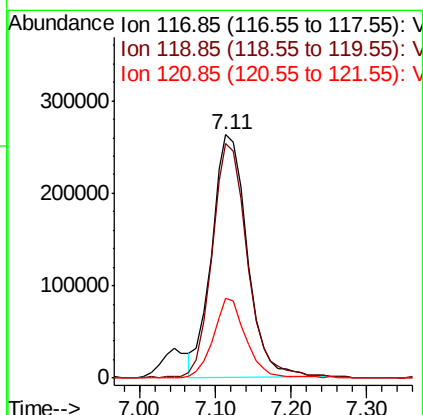
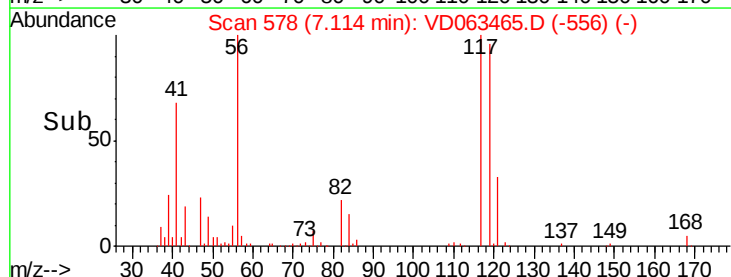
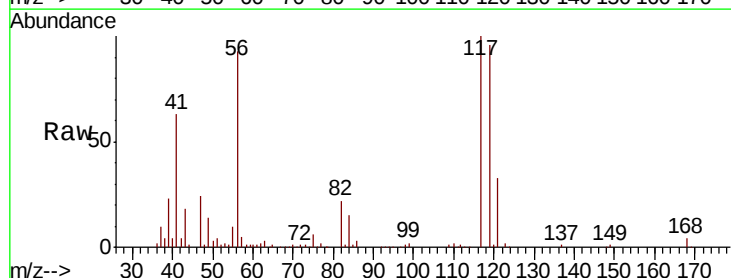
Tgt Ion: 117 Resp: 849469

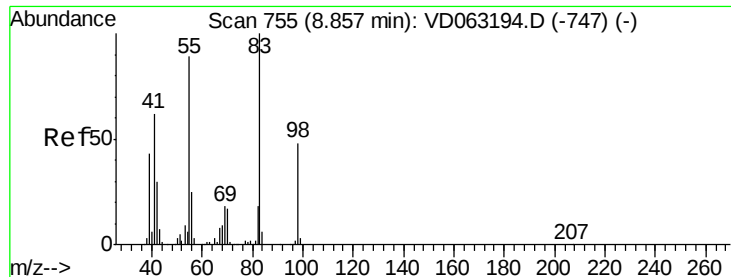
Ion Ratio Lower Upper

117 100

119 96.4 78.2 117.2

121 32.5 22.1 33.1

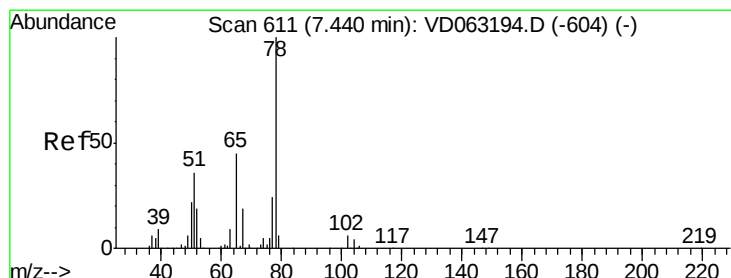
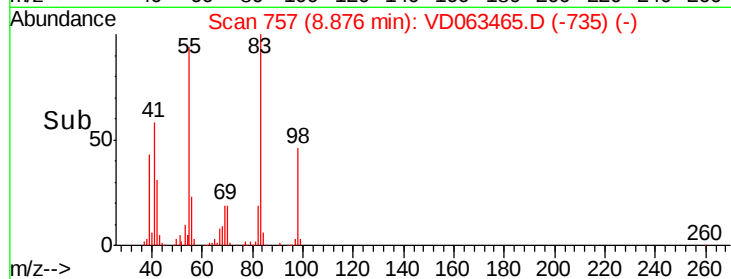
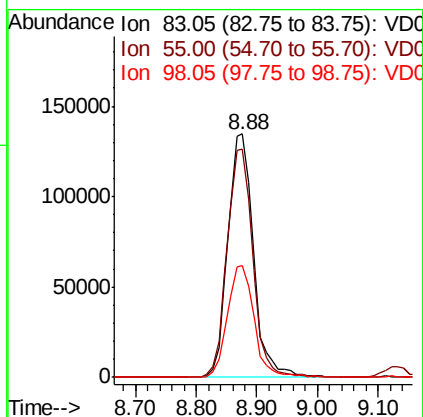
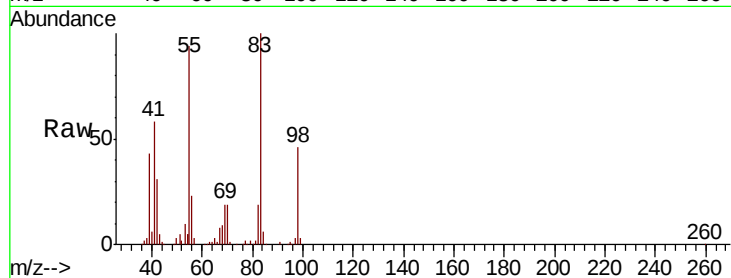




#39
Methylcyclohexane
Concen: 46.417 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

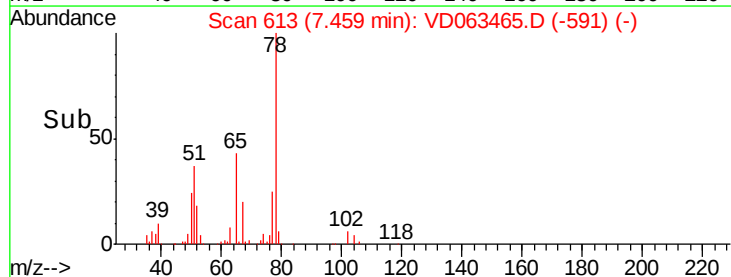
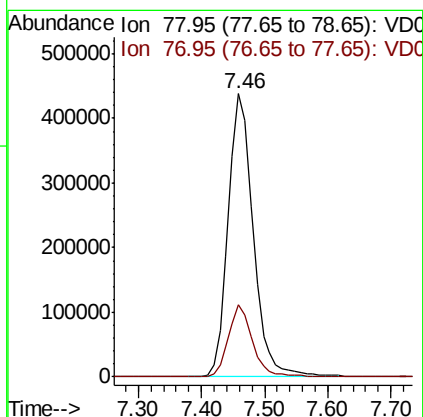
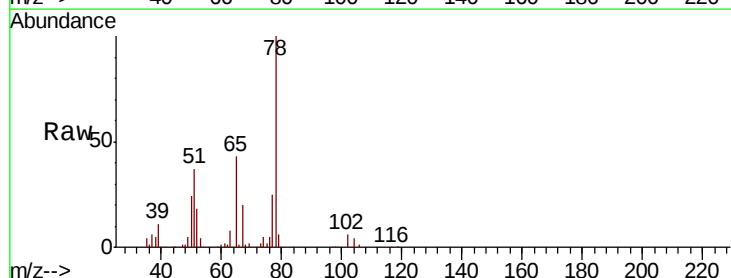
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

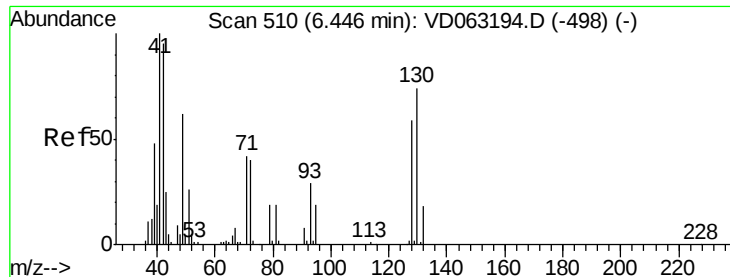
Tgt Ion: 83 Resp: 395701
Ion Ratio Lower Upper
83 100
55 93.6 71.1 106.7
98 45.8 38.5 57.7



#40
Benzene
Concen: 56.344 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 78 Resp: 1208248
Ion Ratio Lower Upper
78 100
77 25.5 19.4 29.2

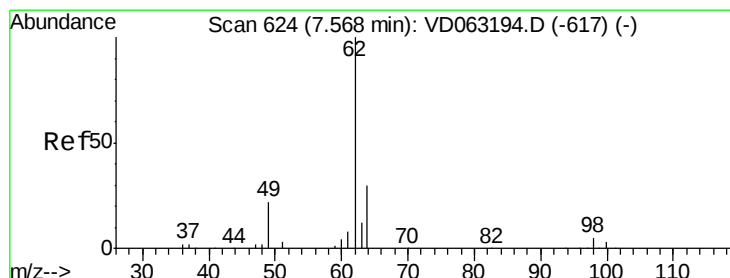
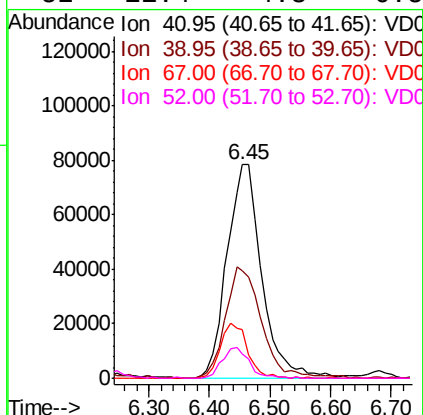
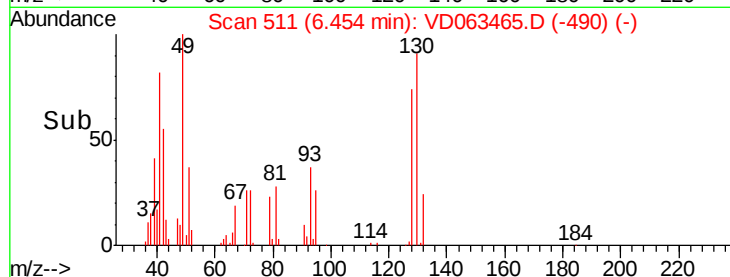
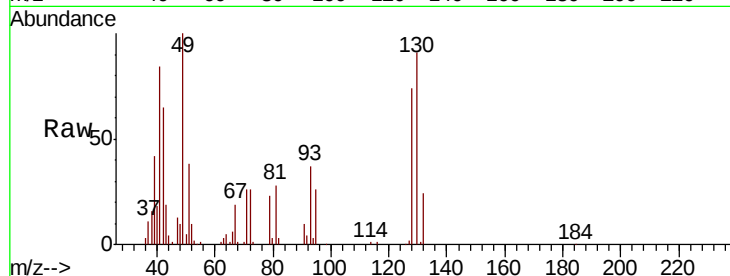




#41
Methacrylonitrile
Concen: 56.763 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

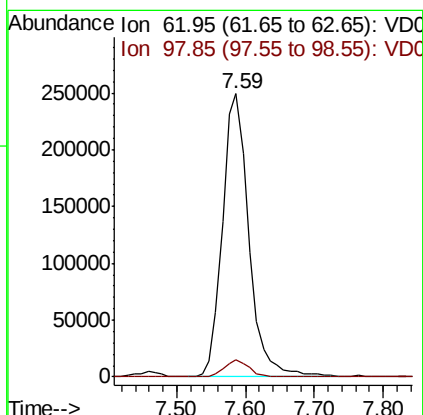
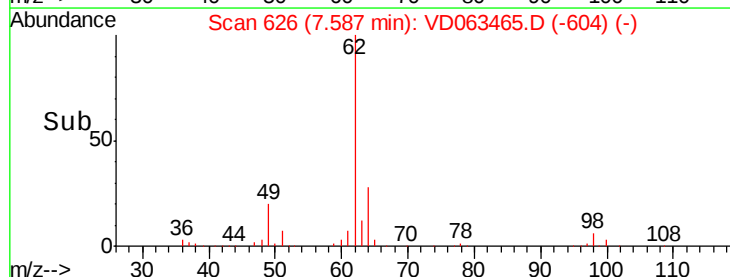
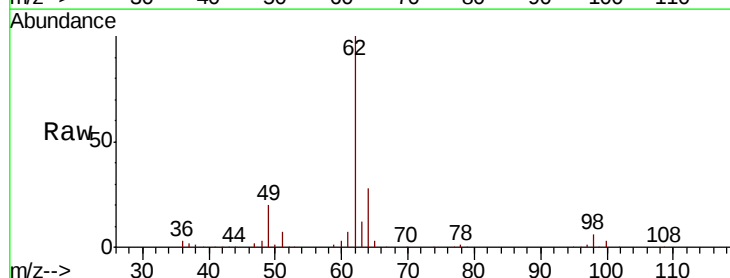
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

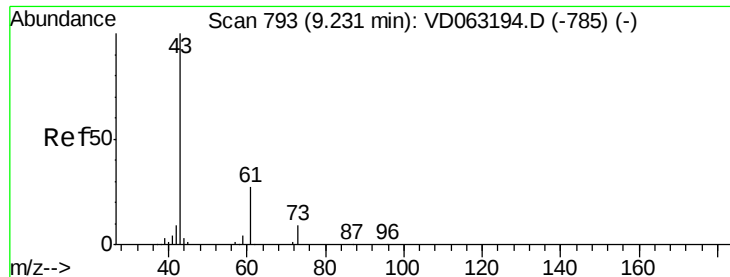
Tgt Ion: 41 Resp: 312119
Ion Ratio Lower Upper
41 100
39 50.2 38.4 57.6
67 22.8 6.7 10.1#
52 11.4 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 58.398 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 62 Resp: 663692
Ion Ratio Lower Upper
62 100
98 6.0 0.0 9.8





#43

Isopropyl Acetate

Concen: 33.421 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

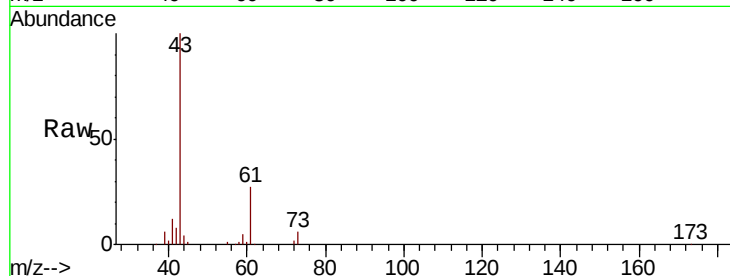
Tgt Ion: 43 Resp: 196244

Ion Ratio Lower Upper

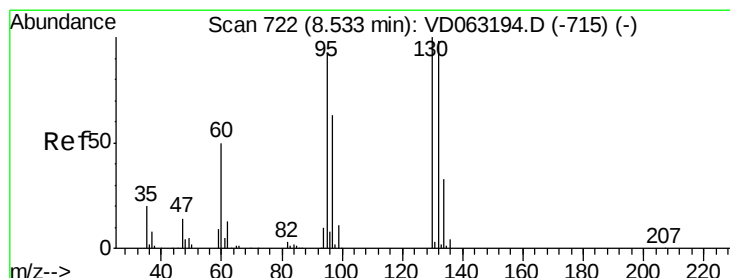
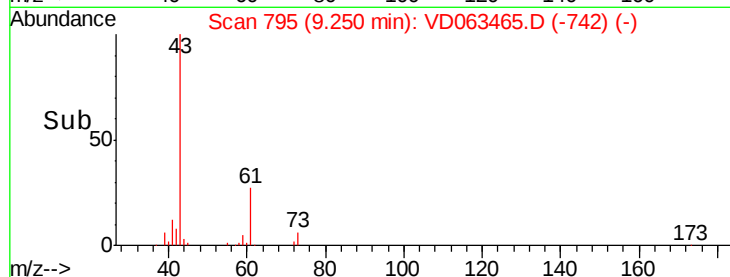
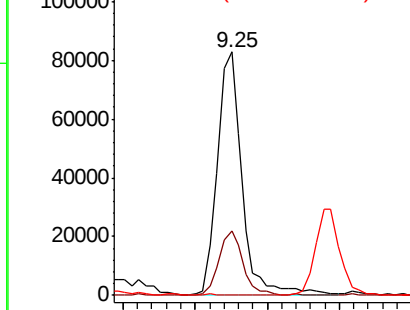
43 100

61 26.6 21.4 32.0

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 55.465 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.02 min

Lab File: VD063465.D

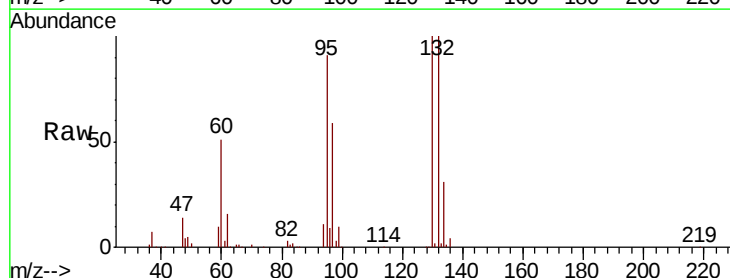
Acq: 9 Aug 2019 5:14

Tgt Ion: 130 Resp: 481963

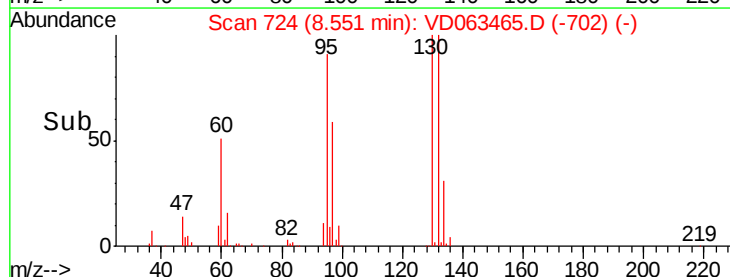
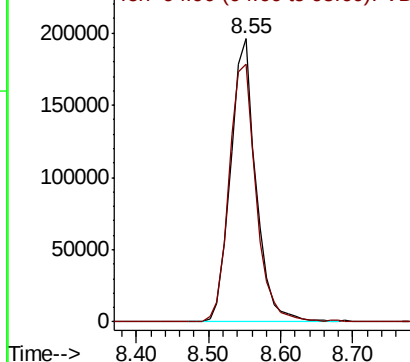
Ion Ratio Lower Upper

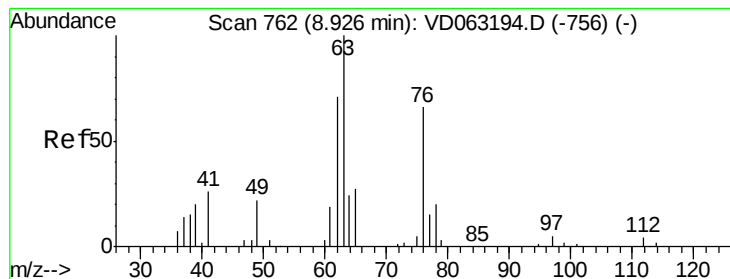
130 100

95 91.3 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 55.875 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

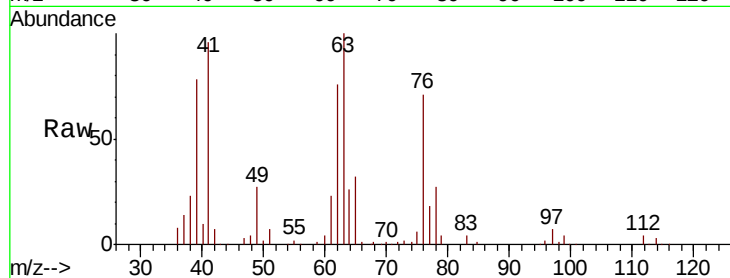
SB-05(13-14)MS

Tgt Ion: 63 Resp: 304551

Ion Ratio Lower Upper

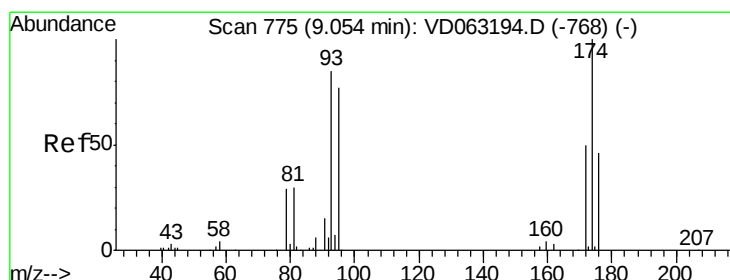
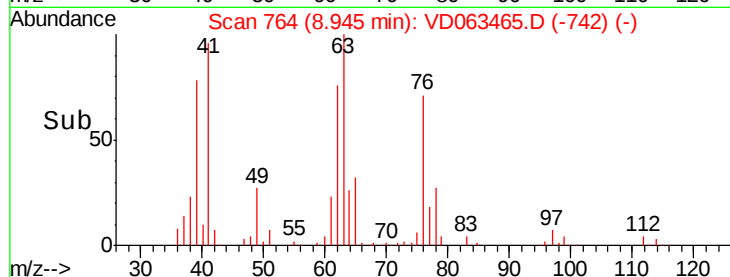
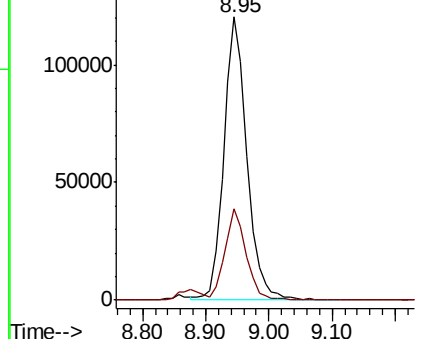
63 100

65 32.2 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.098 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

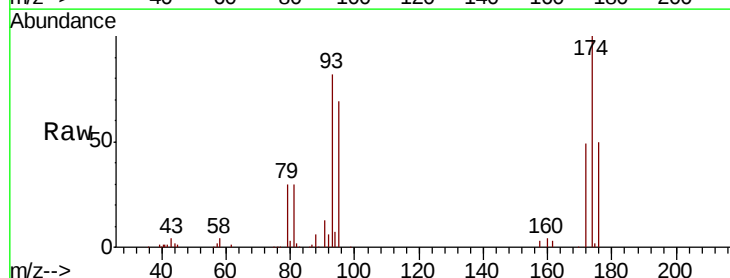
Tgt Ion: 93 Resp: 258769

Ion Ratio Lower Upper

93 100

95 84.3 72.8 109.2

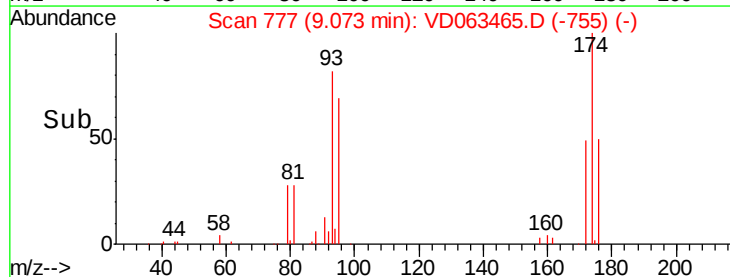
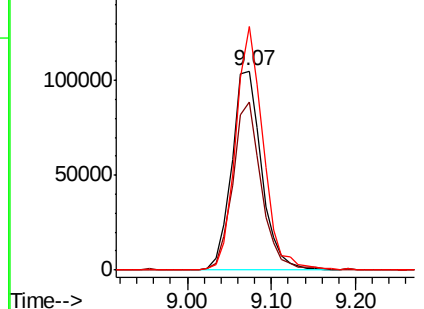
174 122.2 94.4 141.6

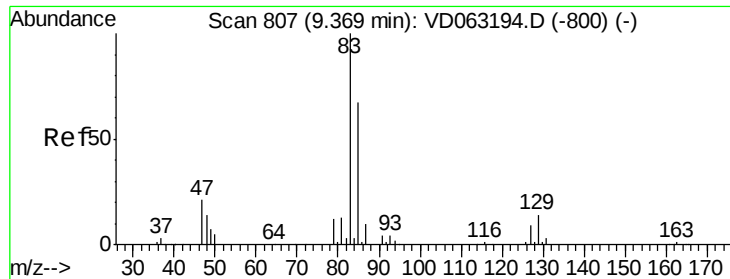


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 59.526 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

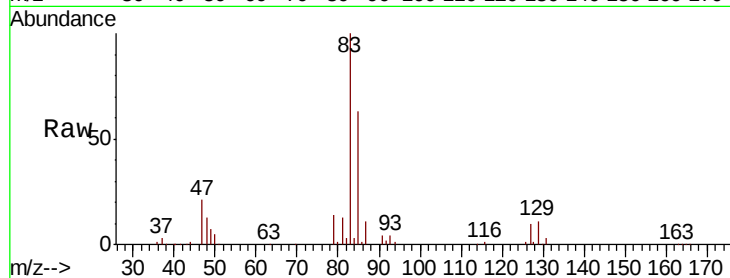
Tgt Ion: 83 Resp: 687685

Ion Ratio Lower Upper

83 100

85 62.6 53.6 80.4

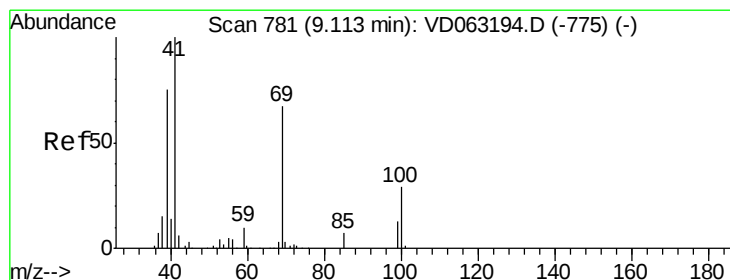
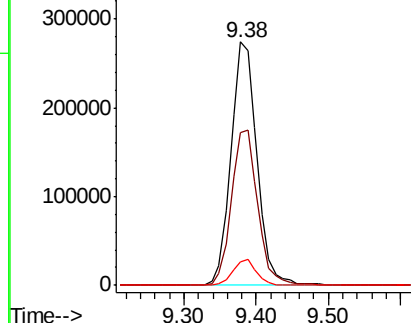
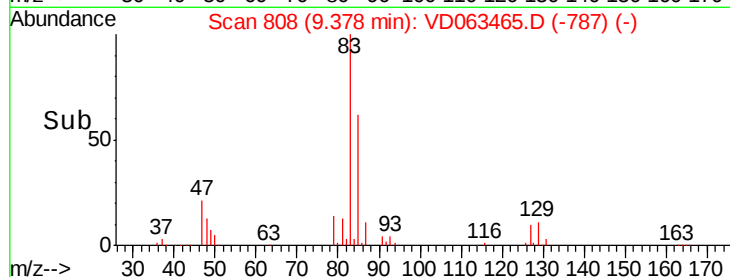
127 9.6 7.2 10.8



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: 64.370 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

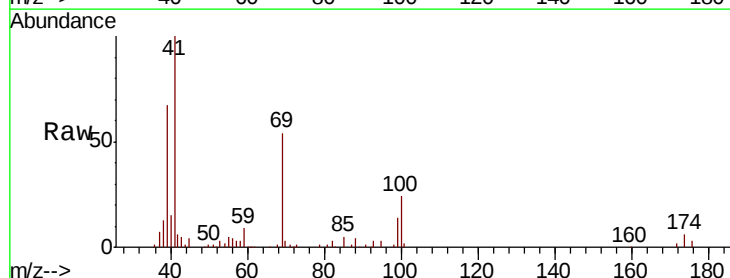
Tgt Ion: 41 Resp: 245140

Ion Ratio Lower Upper

41 100

69 54.2 53.4 80.0

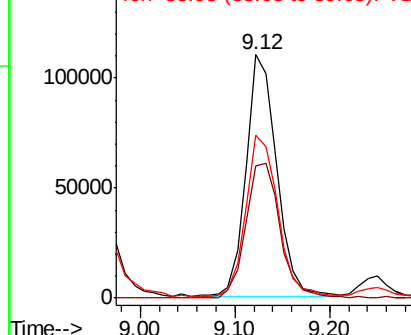
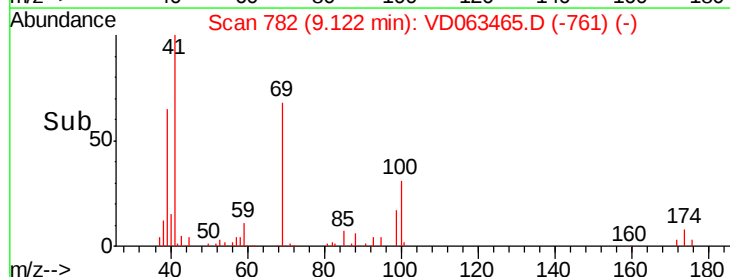
39 67.1 60.3 90.5

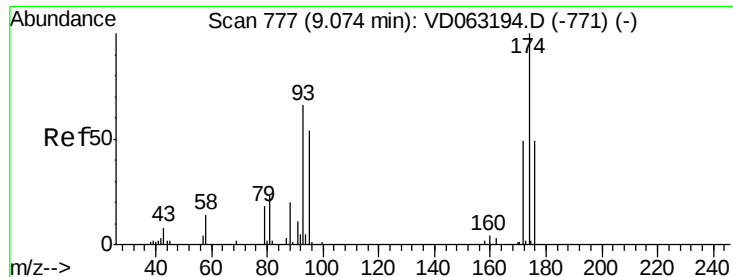


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1184.123 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

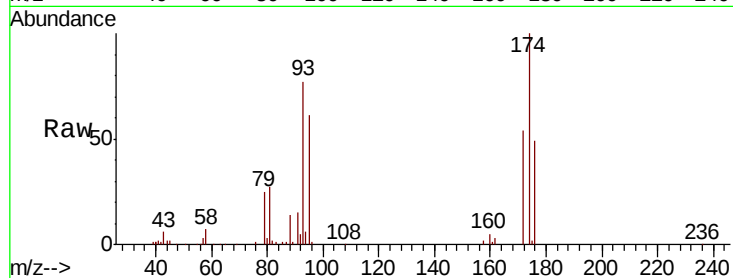
Tgt Ion: 88 Resp: 38176

Ion Ratio Lower Upper

88 100

43 41.8 30.7 46.1

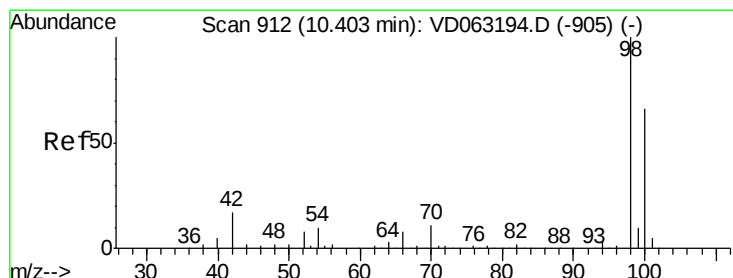
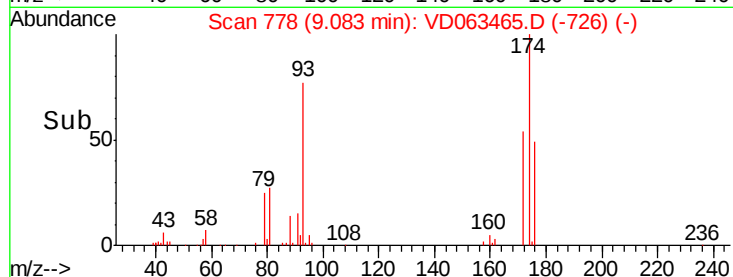
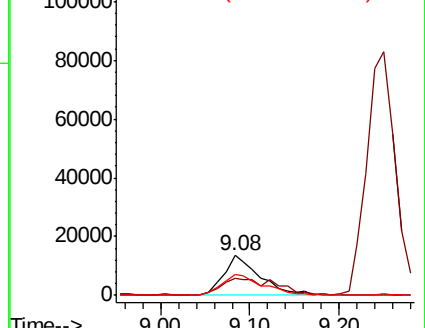
58 53.3 56.5 84.7#



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: 55.088 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063465.D

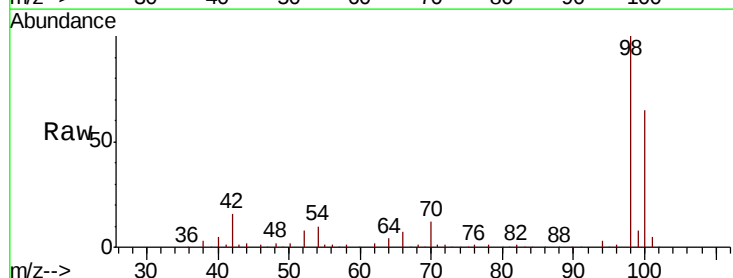
Acq: 9 Aug 2019 5:14

Tgt Ion: 98 Resp: 1180126

Ion Ratio Lower Upper

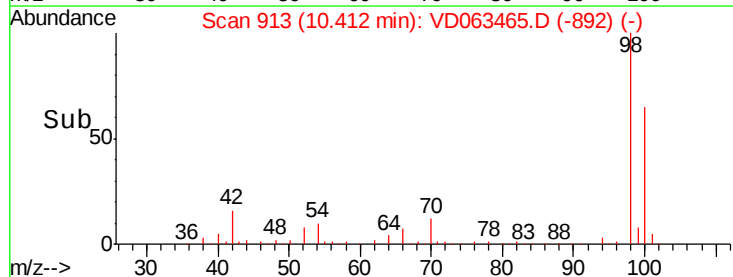
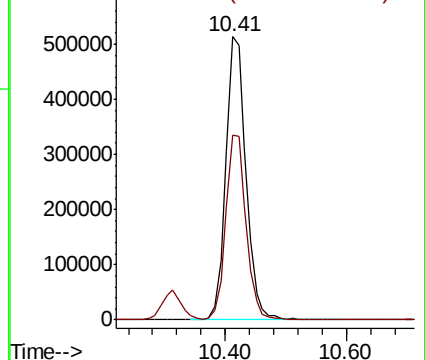
98 100

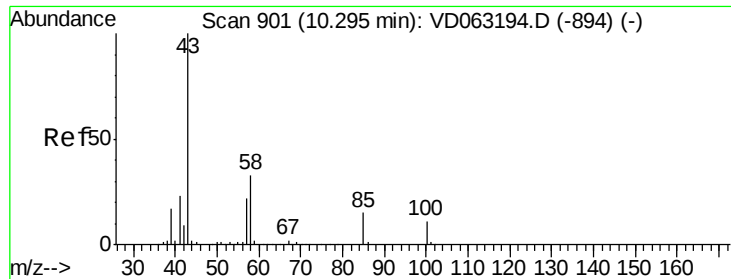
100 65.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

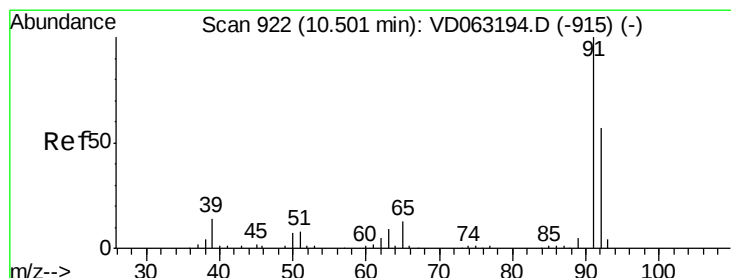
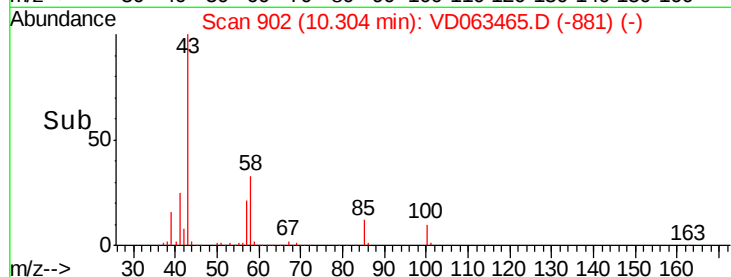
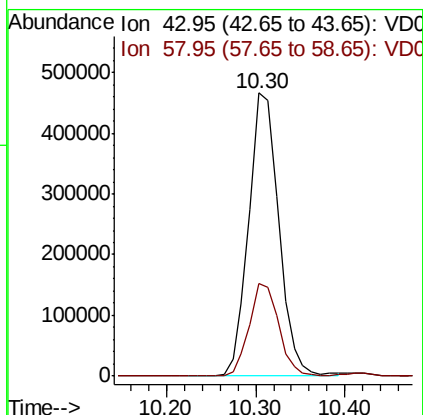
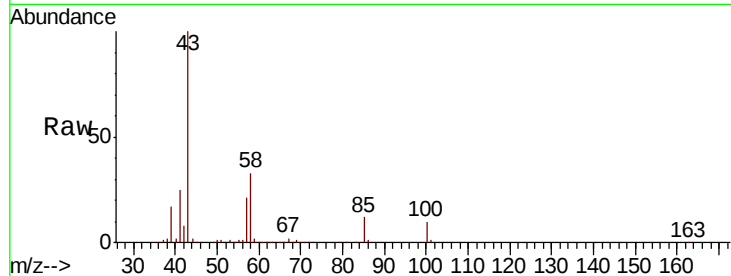




#51
4-Methyl-2-Pentanone
Concen: 272.910 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

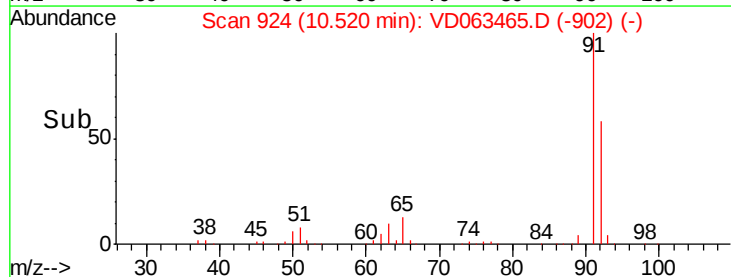
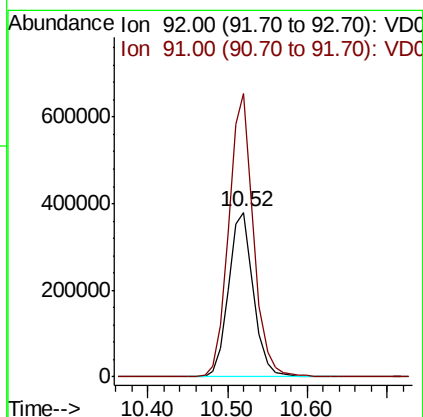
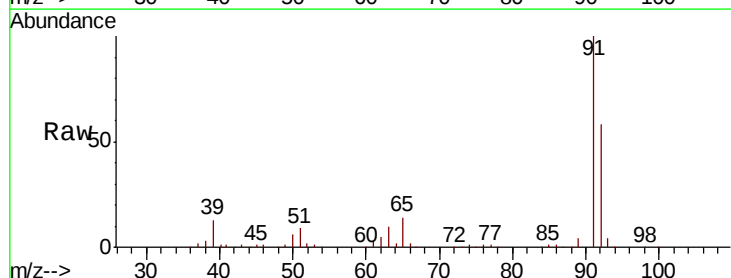
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

Tgt Ion: 43 Resp: 1089835
Ion Ratio Lower Upper
43 100
58 32.8 26.2 39.2



#52
Toluene
Concen: 58.179 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 92 Resp: 829788
Ion Ratio Lower Upper
92 100
91 171.9 140.8 211.2

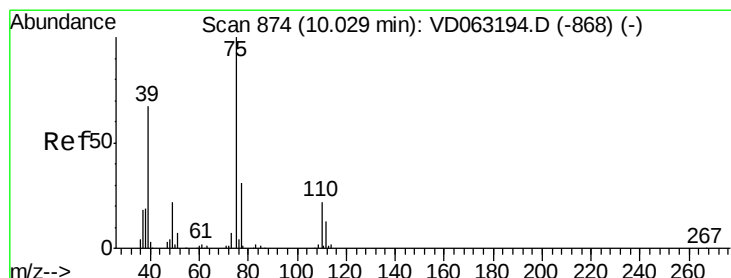
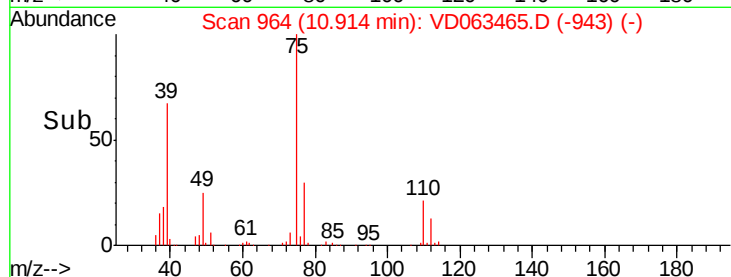
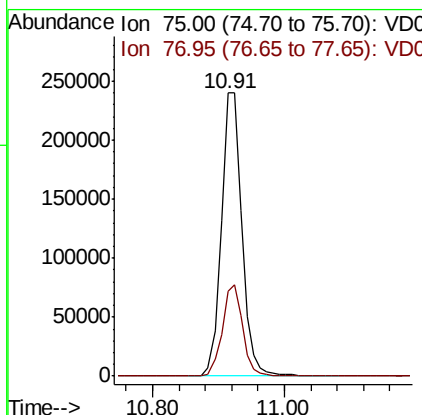
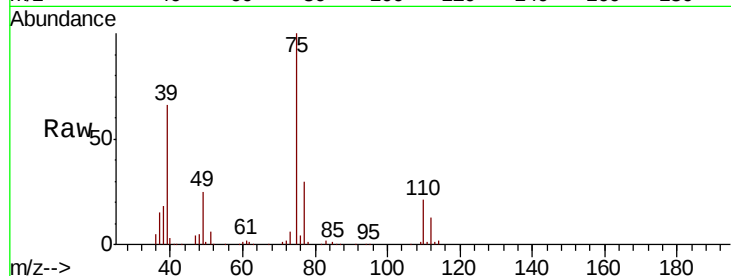




#53
t-1,3-Dichloropropene
Concen: 52.571 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

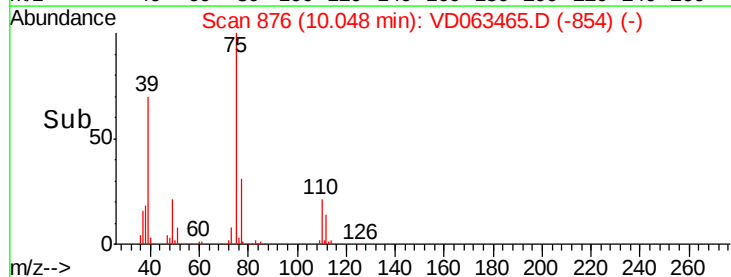
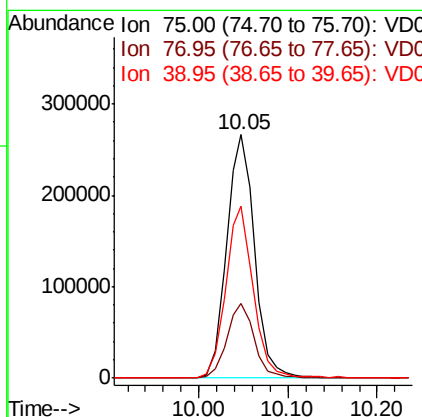
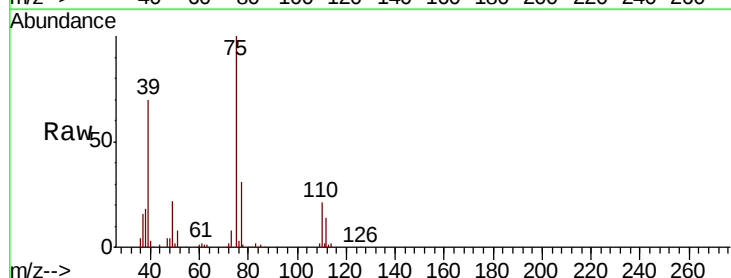
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

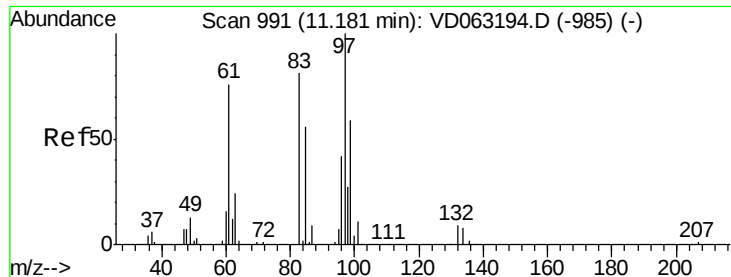
Tgt Ion: 75 Resp: 523608
Ion Ratio Lower Upper
75 100
77 29.9 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 55.823 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 75 Resp: 584337
Ion Ratio Lower Upper
75 100
77 30.7 24.9 37.3
39 70.4 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 59.090 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

Tgt Ion: 97 Resp: 284634

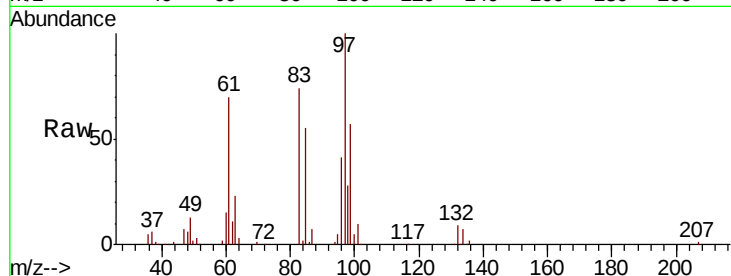
Ion Ratio Lower Upper

97 100

83 73.5 64.8 97.2

85 54.6 44.9 67.3

99 57.0 47.2 70.8

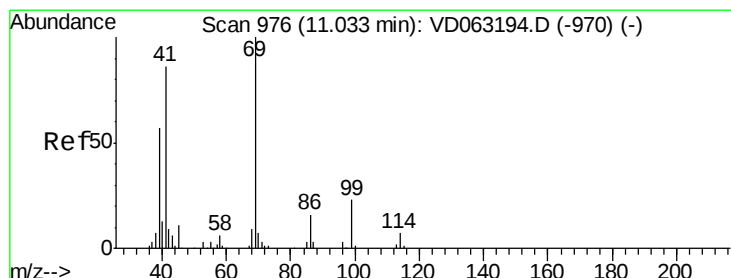
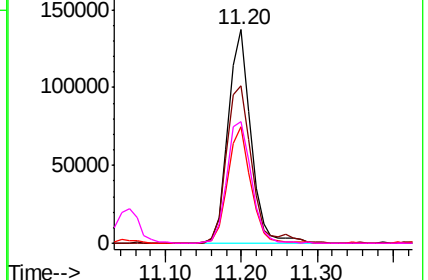
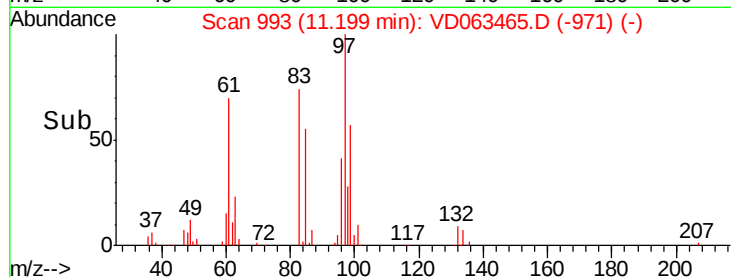


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 39.428 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

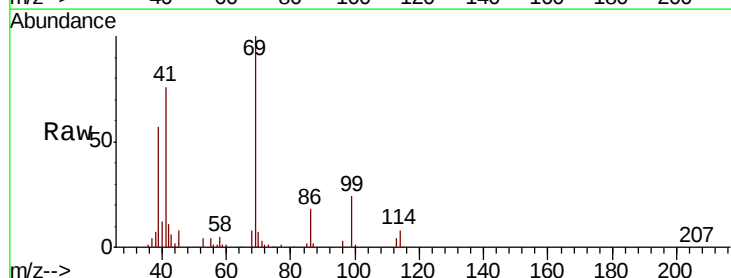
Tgt Ion: 69 Resp: 207970

Ion Ratio Lower Upper

69 100

41 76.1 68.8 103.2

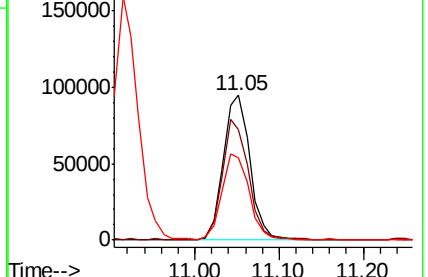
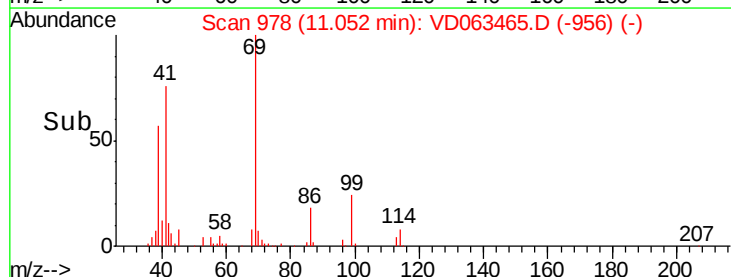
39 57.0 45.8 68.8

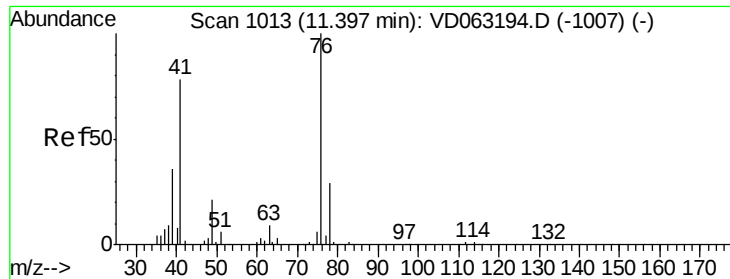


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 56.911 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

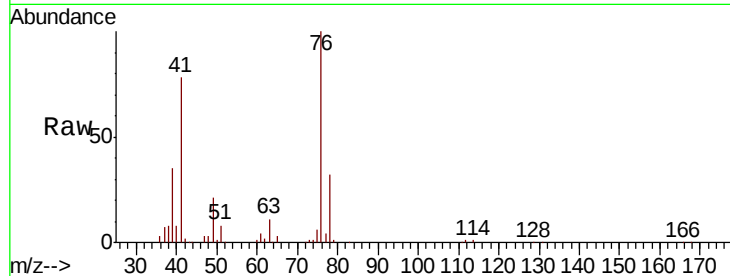
SB-05(13-14)MS

Tgt Ion: 76 Resp: 431928

Ion Ratio Lower Upper

76 100

78 32.1 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

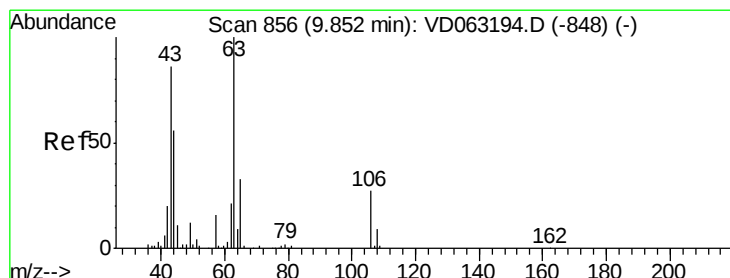
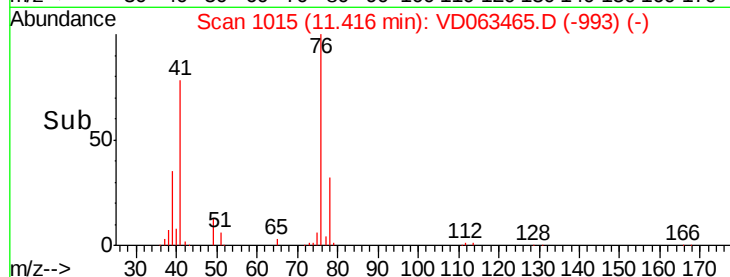
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.246 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063465.D

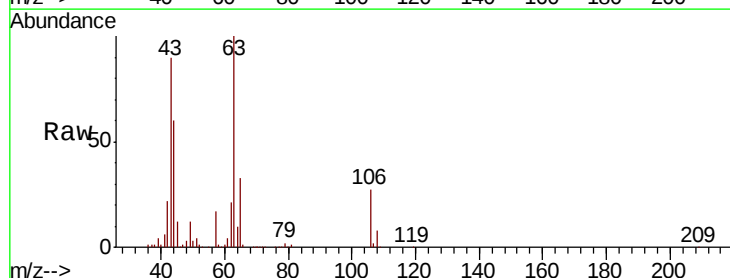
Acq: 9 Aug 2019 5:14

Tgt Ion: 63 Resp: 744470

Ion Ratio Lower Upper

63 100

106 27.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.86

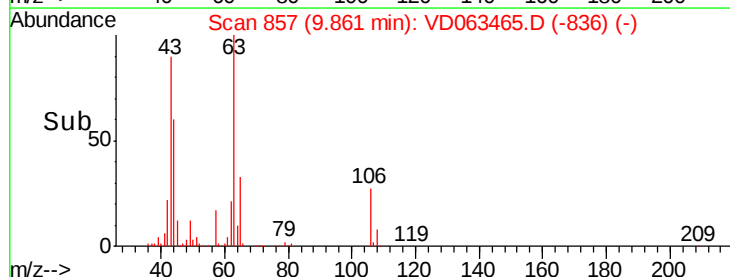
300000

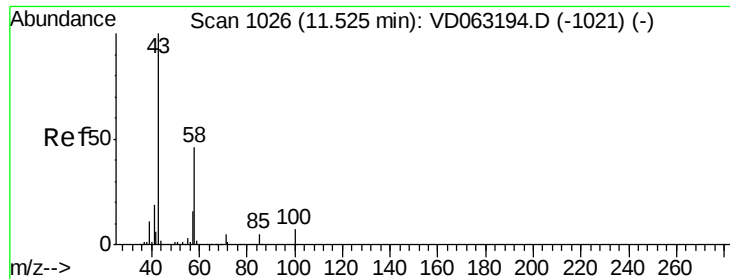
200000

100000

0

Time-->

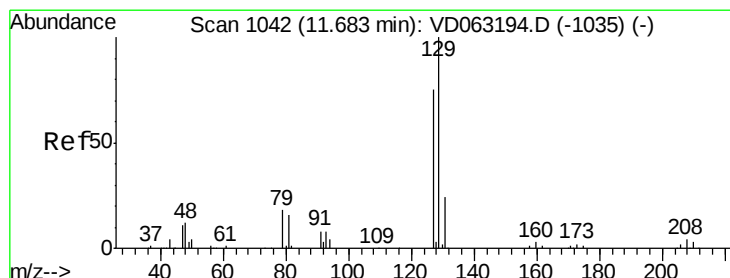
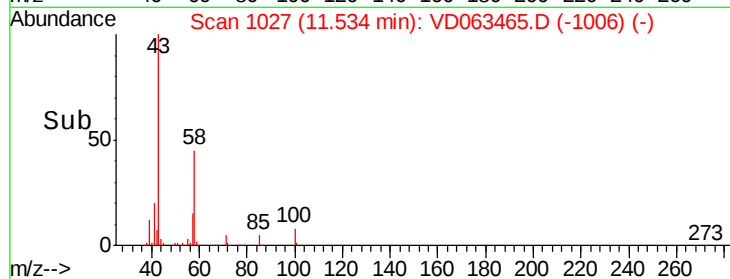
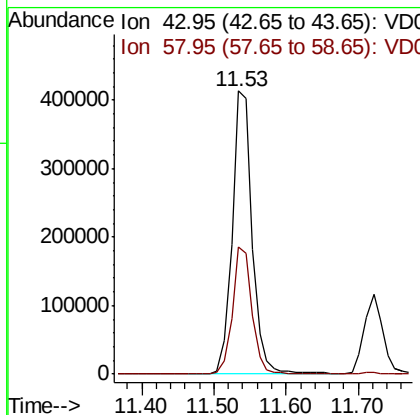
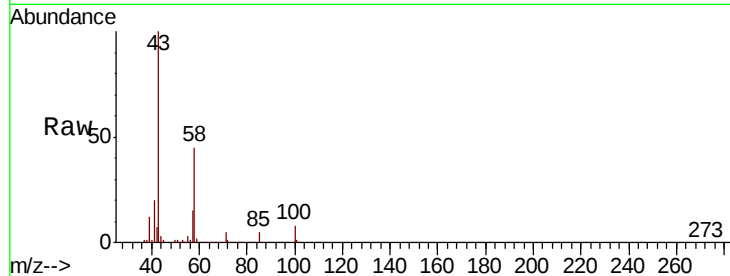




#59
2-Hexanone
Concen: 276.982 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

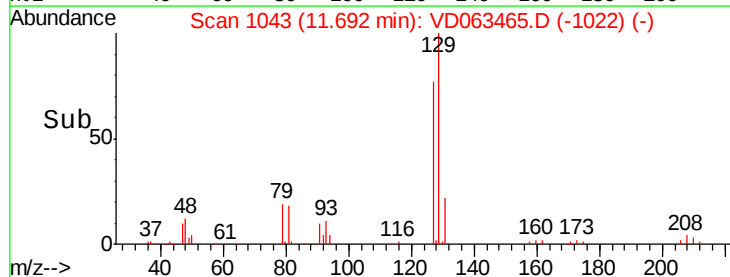
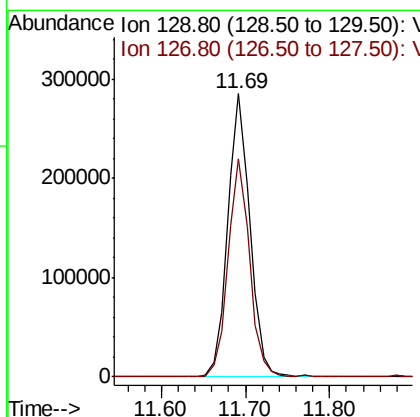
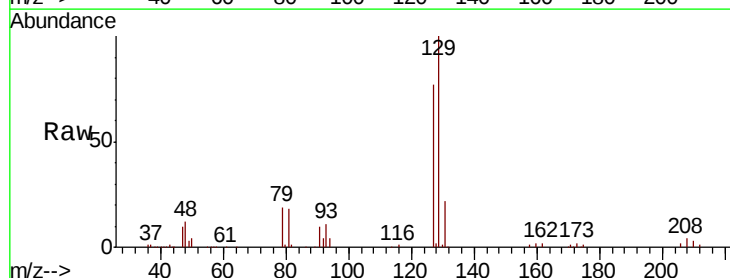
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

Tgt Ion: 43 Resp: 797099
Ion Ratio Lower Upper
43 100
58 44.9 22.9 68.5



#60
Dibromochloromethane
Concen: 57.216 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 129 Resp: 520298
Ion Ratio Lower Upper
129 100
127 77.3 37.6 112.8

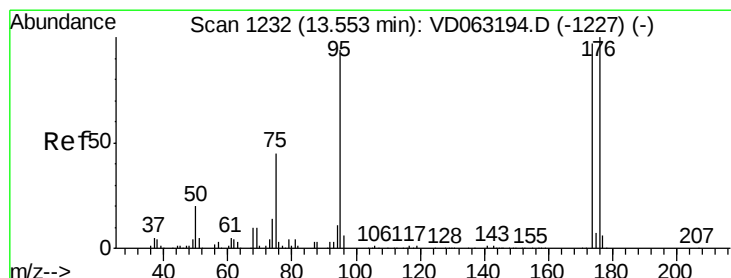
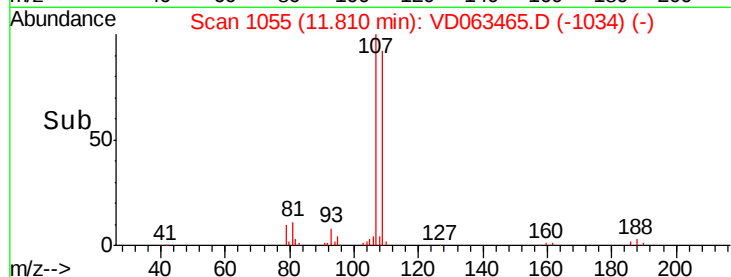
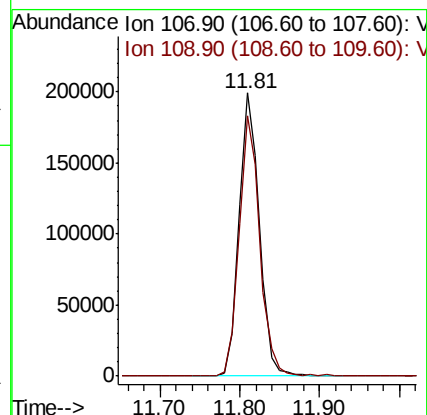
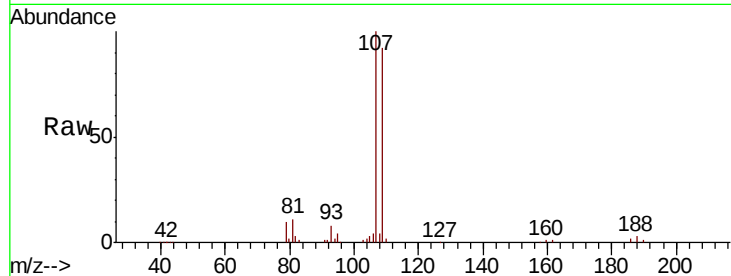




#61
 1,2-Dibromoethane
 Concen: 59.854 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

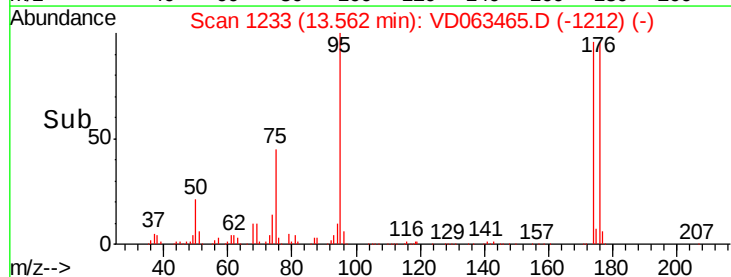
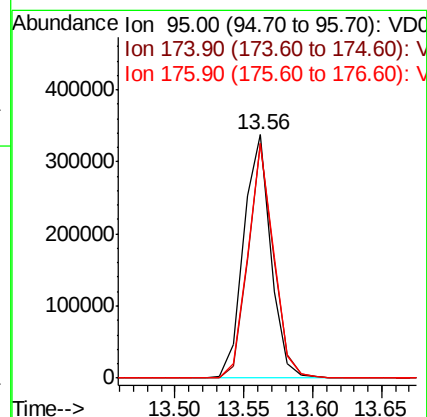
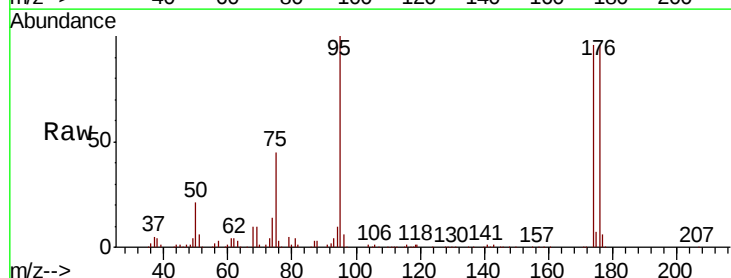
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(13-14)MS

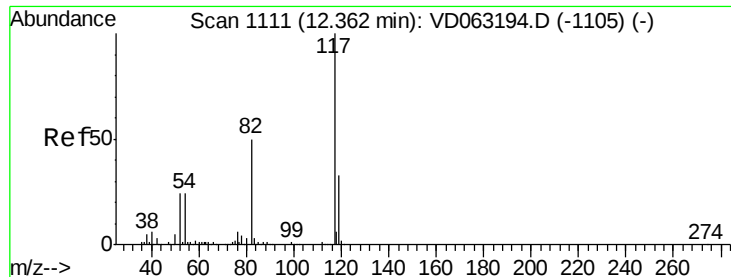
Tgt Ion: 107 Resp: 355760
 Ion Ratio Lower Upper
 107 100
 109 91.9 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 47.552 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

Tgt Ion: 95 Resp: 464215
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 205.4
 176 96.2 0.0 211.8

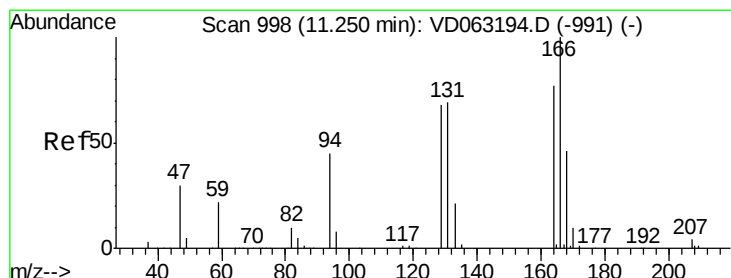
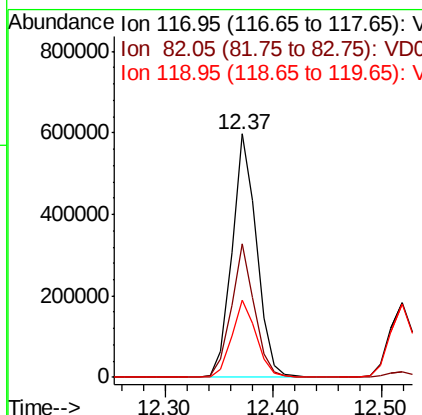
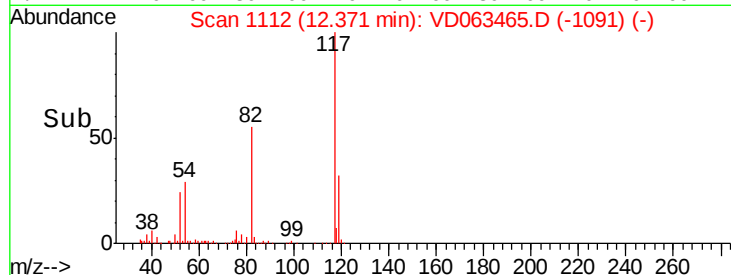
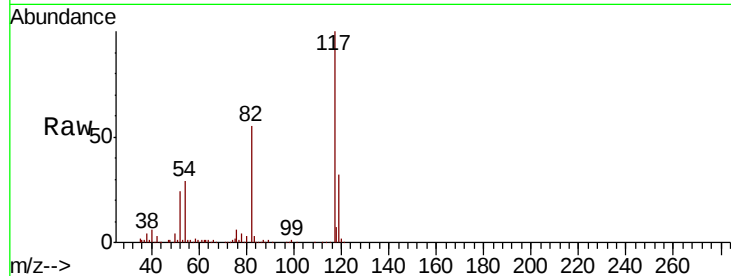




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

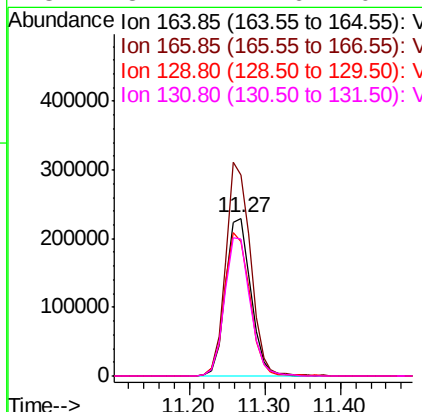
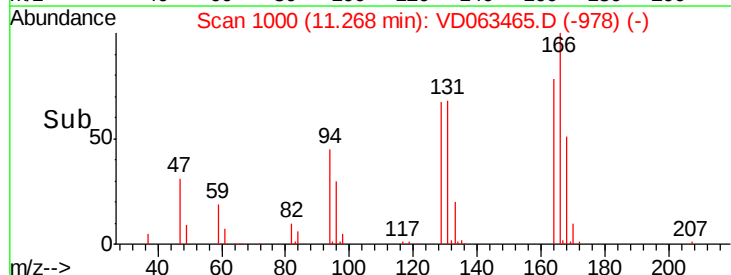
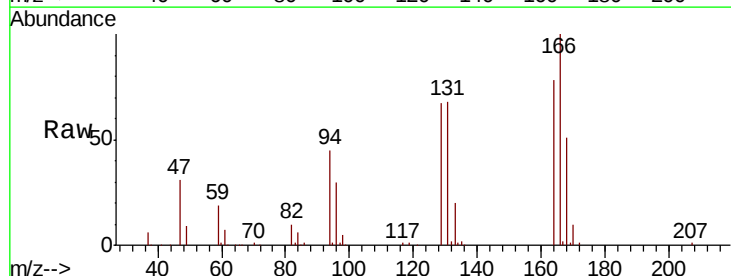
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

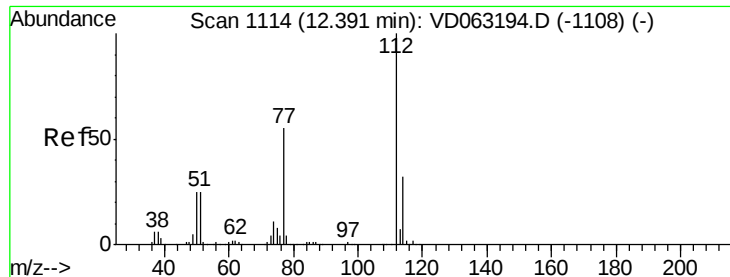
Tgt Ion:117 Resp: 943629
Ion Ratio Lower Upper
117 100
82 55.0 40.1 60.1
119 31.9 26.5 39.7



#64
Tetrachloroethene
Concen: 70.313 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion:164 Resp: 528581
Ion Ratio Lower Upper
164 100
166 127.7 104.3 156.5
129 85.5 70.9 106.3
131 87.2 71.6 107.4

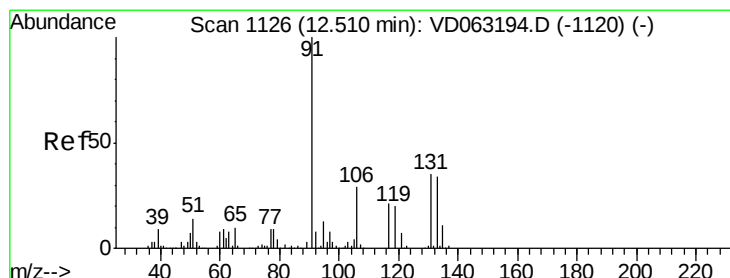
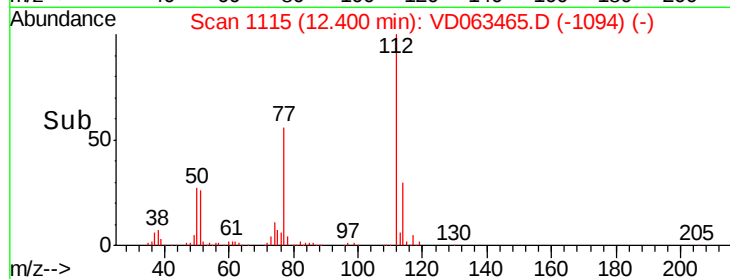
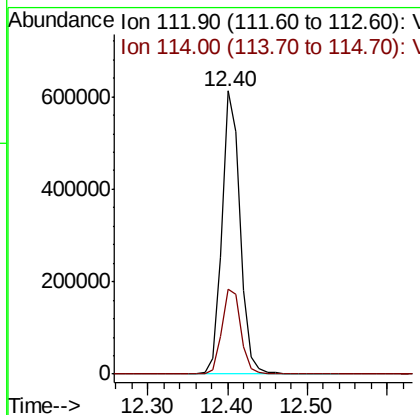
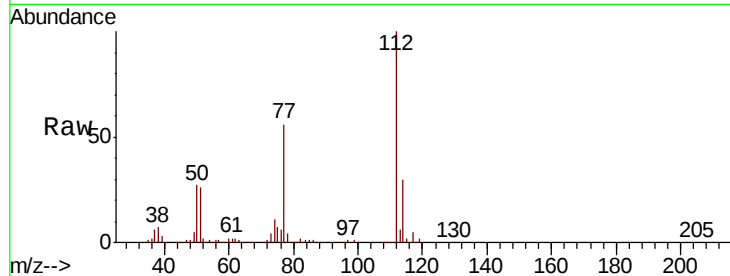




#65
Chlorobenzene
Concen: 54.338 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

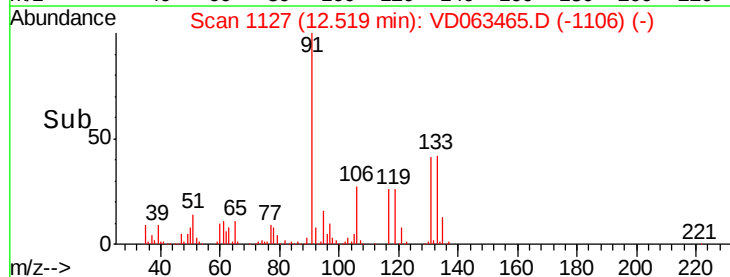
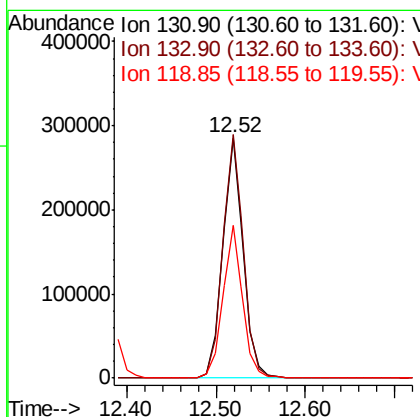
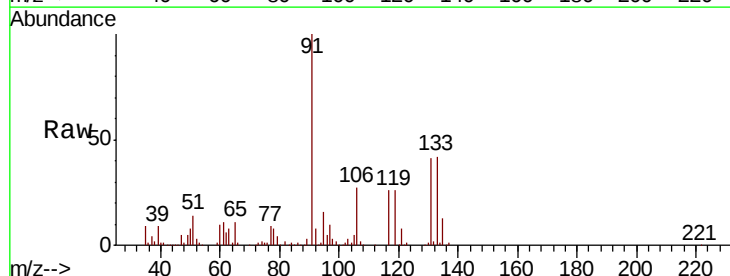
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

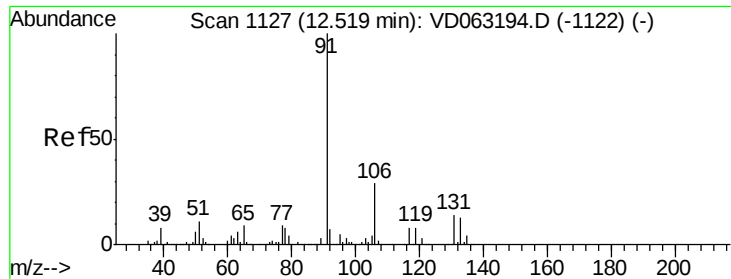
Tgt Ion:112 Resp: 986241
Ion Ratio Lower Upper
112 100
114 29.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.896 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion:131 Resp: 462877
Ion Ratio Lower Upper
131 100
133 101.3 48.4 145.2
119 63.5 29.1 87.3

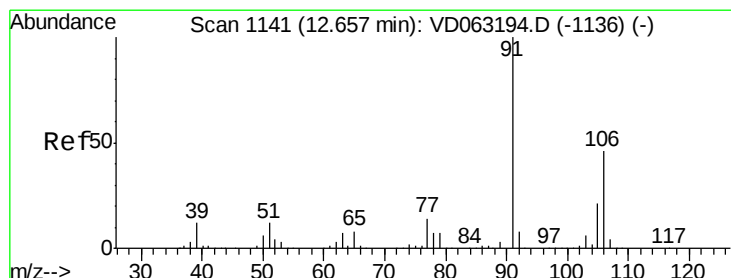
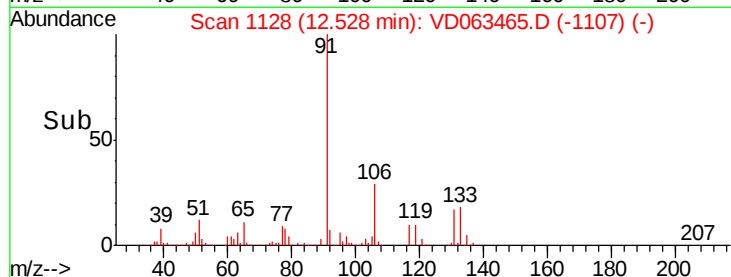
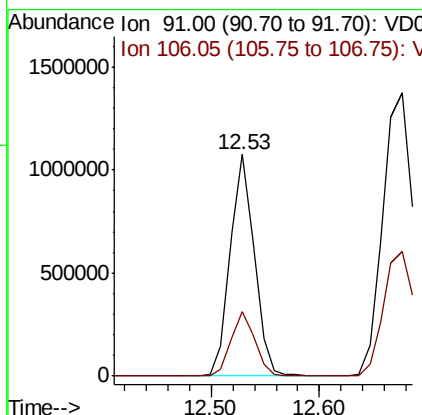
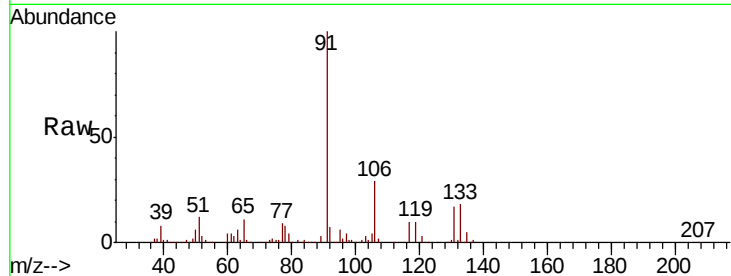




#67
Ethyl Benzene
Concen: 54.535 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

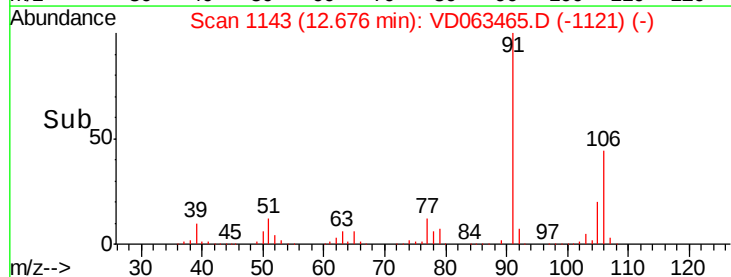
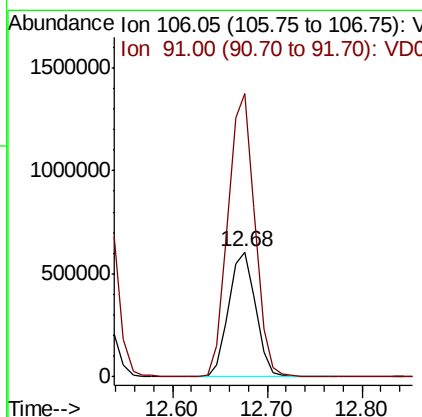
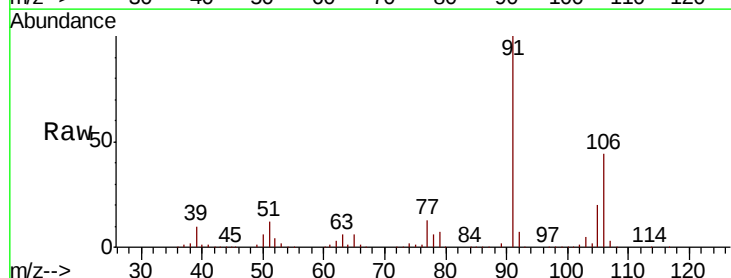
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

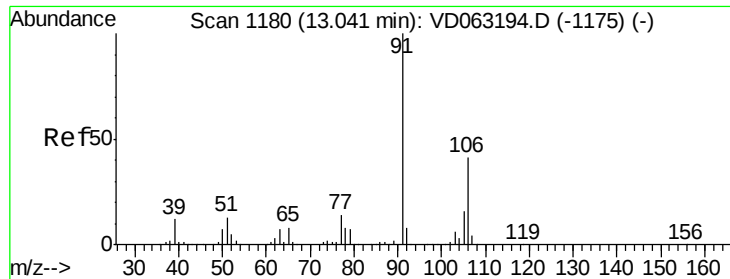
Tgt Ion: 91 Resp: 1681493
Ion Ratio Lower Upper
91 100
106 29.3 22.9 34.3



#68
m/p-Xylenes
Concen: 105.353 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion: 106 Resp: 1191275
Ion Ratio Lower Upper
106 100
91 226.8 172.6 259.0

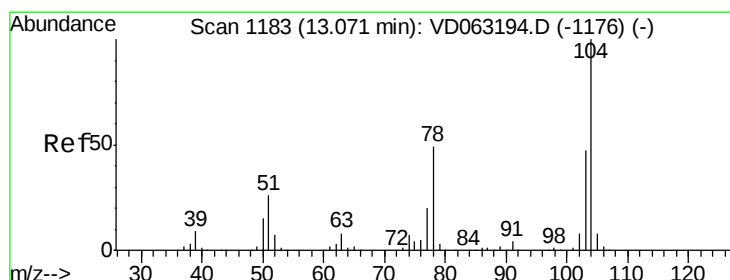
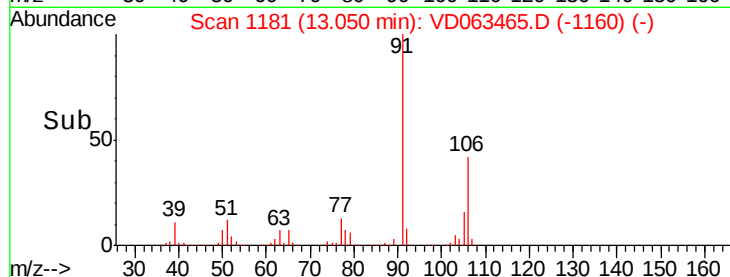
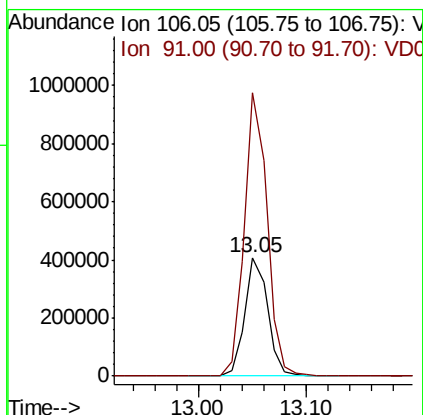
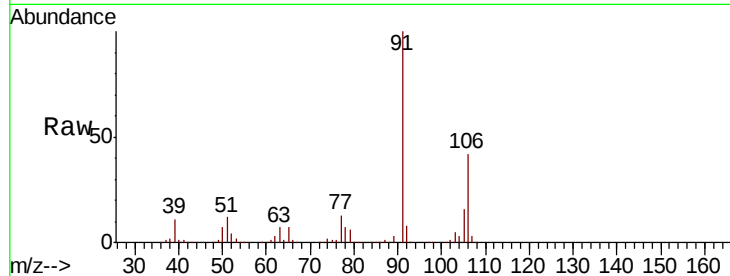




#69
o-Xylene
Concen: 57.927 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

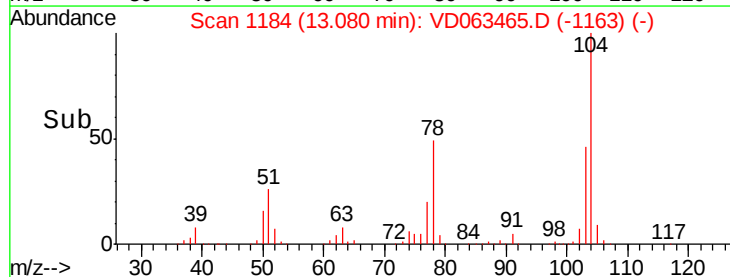
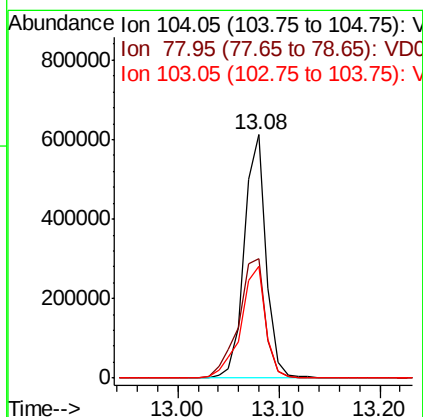
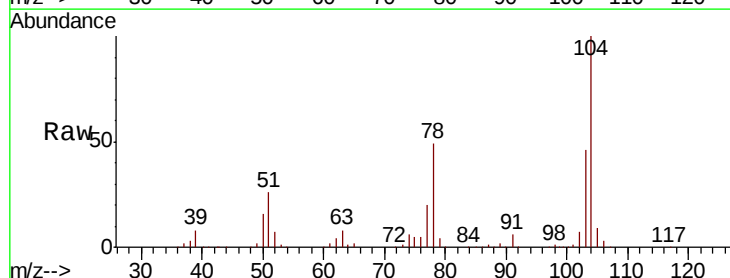
Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

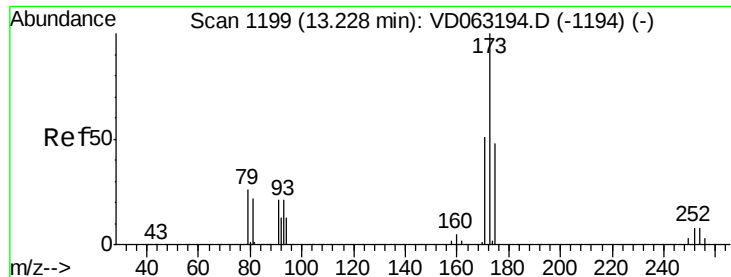
Tgt Ion:106 Resp: 601494
Ion Ratio Lower Upper
106 100
91 238.8 121.3 363.9



#70
Styrene
Concen: 49.943 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion:104 Resp: 919694
Ion Ratio Lower Upper
104 100
78 49.0 39.4 59.0
103 46.1 37.4 56.2





#71

Bromoform

Concen: 57.697 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

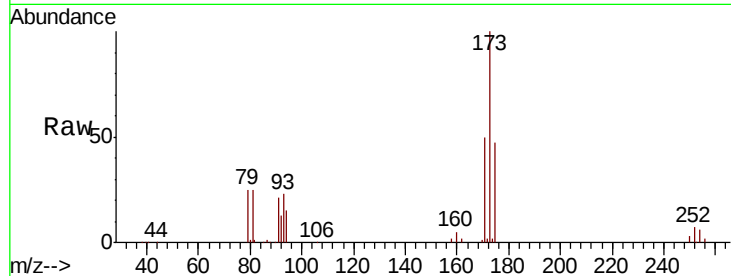
Tgt Ion:173 Resp: 335457

Ion Ratio Lower Upper

173 100

175 46.8 23.8 71.5

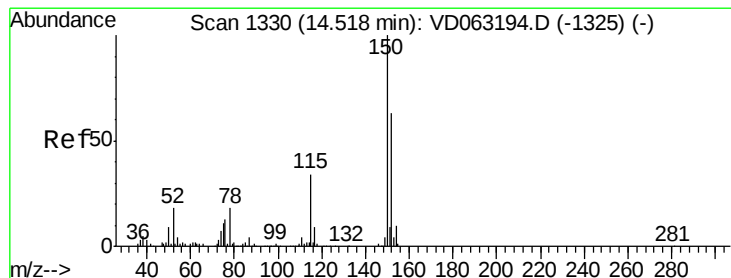
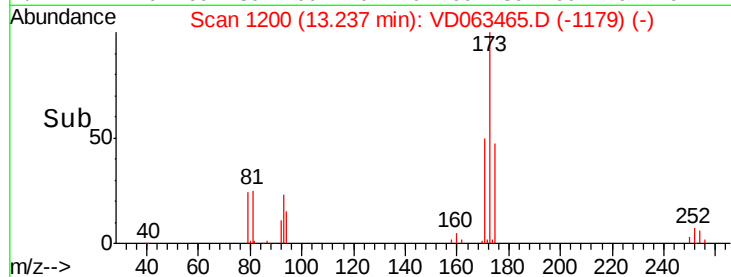
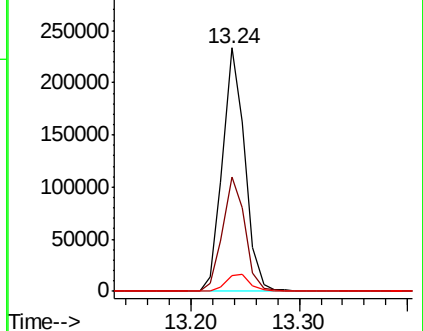
254 6.5 6.6 10.0#



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: VD063465.D

Acq: 9 Aug 2019 5:14

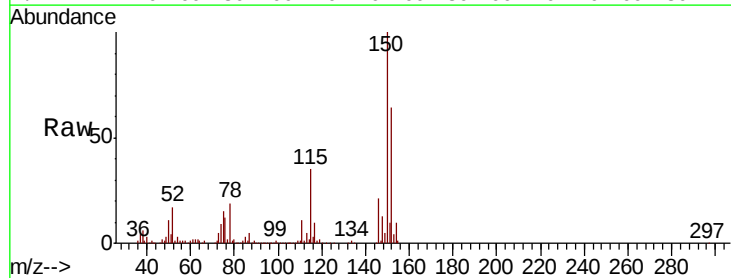
Tgt Ion:152 Resp: 478872

Ion Ratio Lower Upper

152 100

115 55.6 27.5 82.4

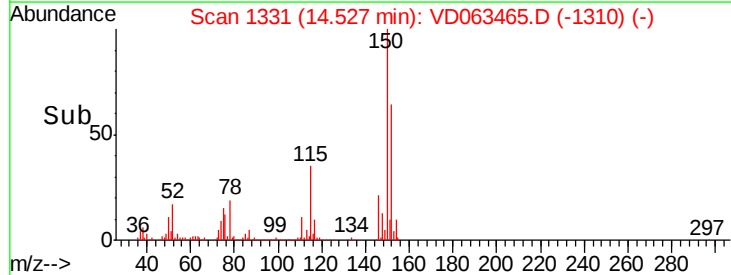
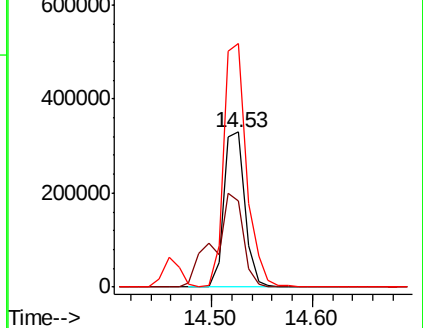
150 156.9 0.0 320.6

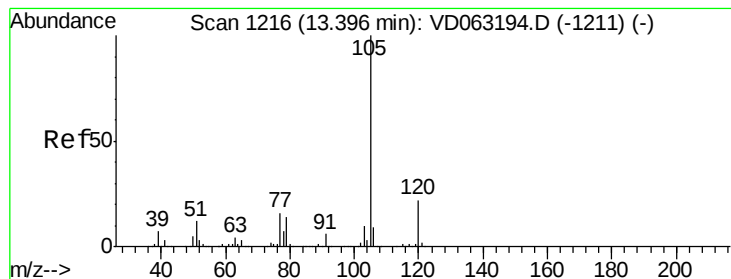


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 59.632 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

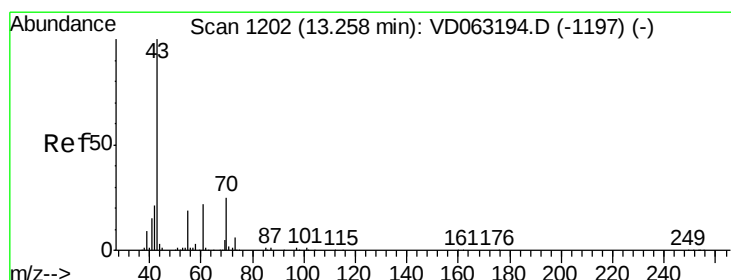
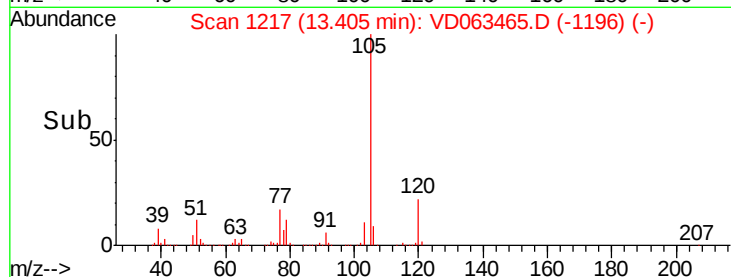
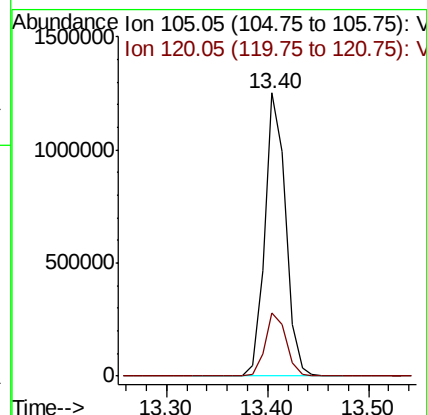
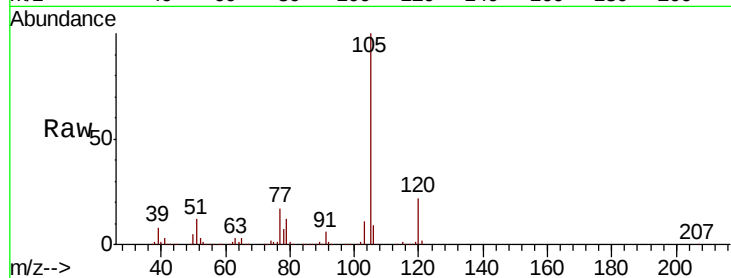
SB-05(13-14)MS

Tgt Ion:105 Resp: 1792262

Ion Ratio Lower Upper

105 100

120 22.4 11.1 33.3



#74

N-ethyl acetate

Concen: 30.155 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Tgt Ion: 43 Resp: 239594

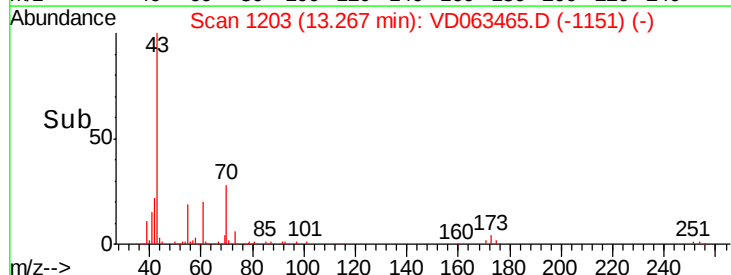
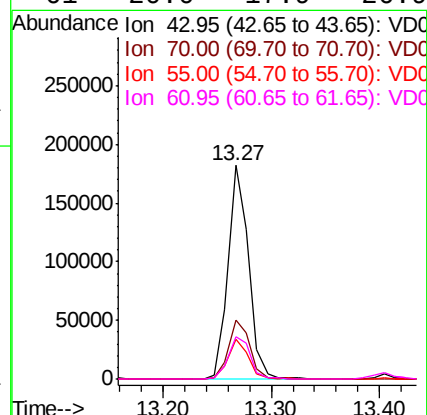
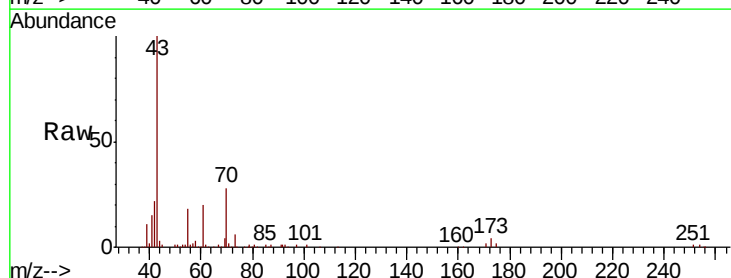
Ion Ratio Lower Upper

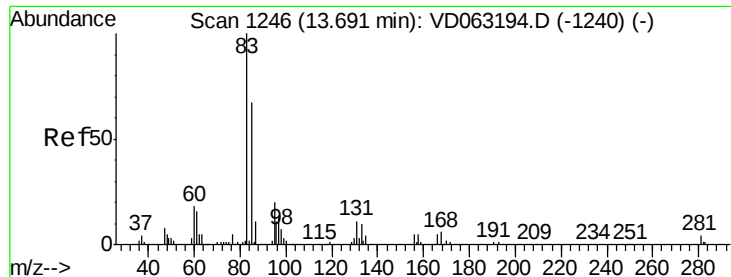
43 100

70 27.5 20.2 30.4

55 18.5 14.9 22.3

61 20.0 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 62.351 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

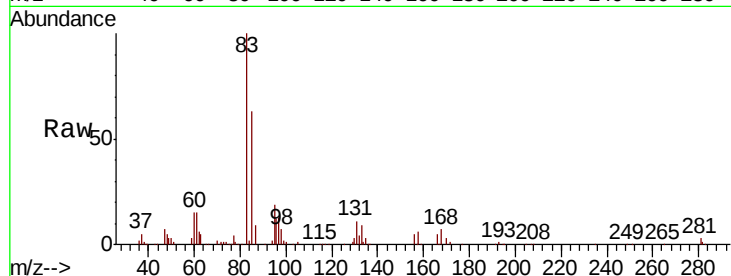
Tgt Ion: 83 Resp: 318322

Ion Ratio Lower Upper

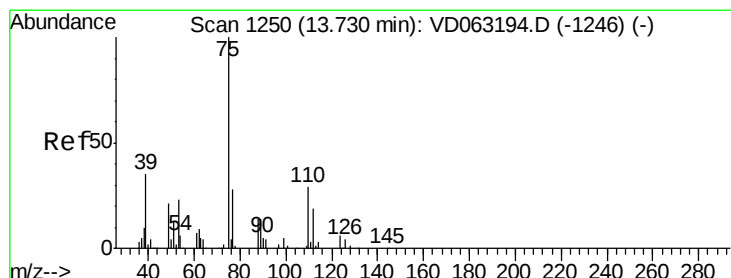
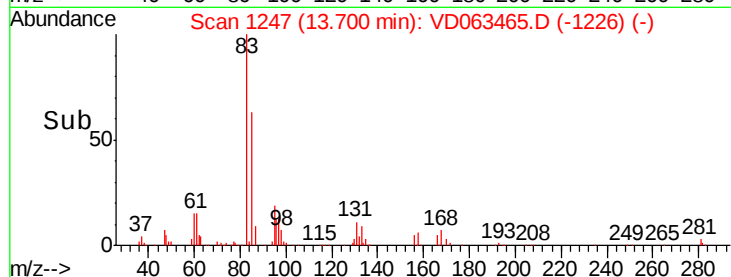
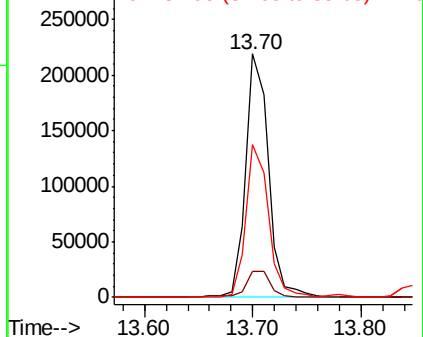
83 100

131 10.6 5.5 16.7

85 62.8 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: 57.573 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063465.D

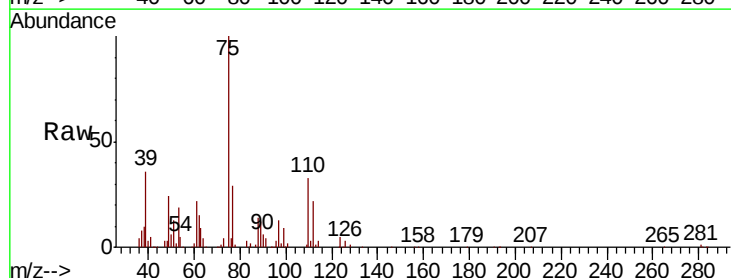
Acq: 9 Aug 2019 5:14

Tgt Ion: 75 Resp: 331153

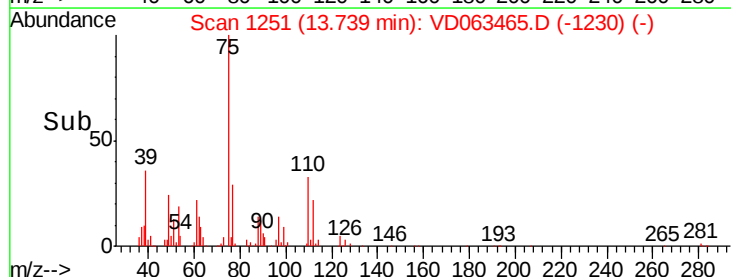
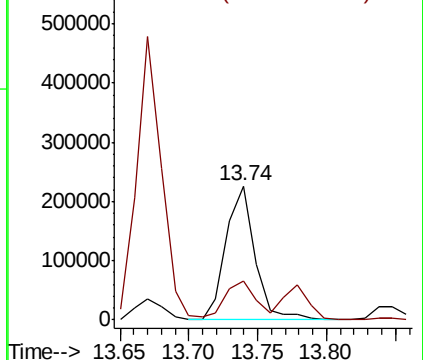
Ion Ratio Lower Upper

75 100

77 29.1 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: 58.326 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

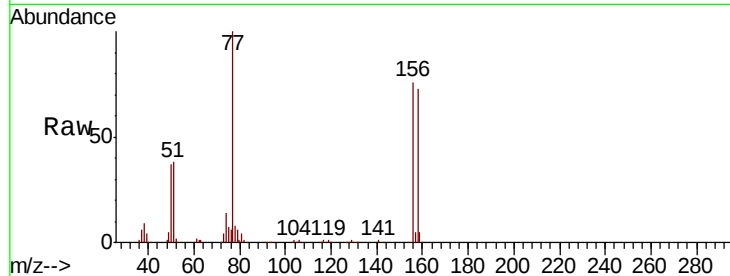
Tgt Ion:156 Resp: 499385

Ion Ratio Lower Upper

156 100

77 132.4 67.6 202.8

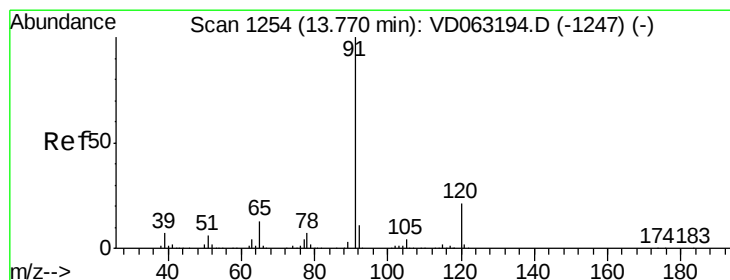
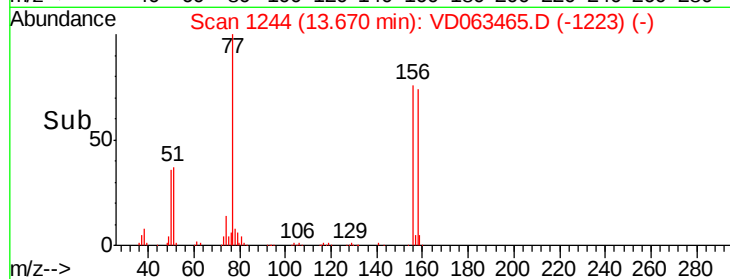
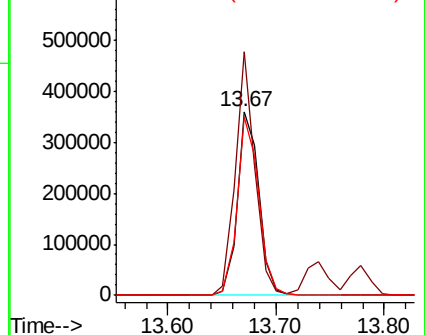
158 97.1 49.8 149.4



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: 53.028 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063465.D

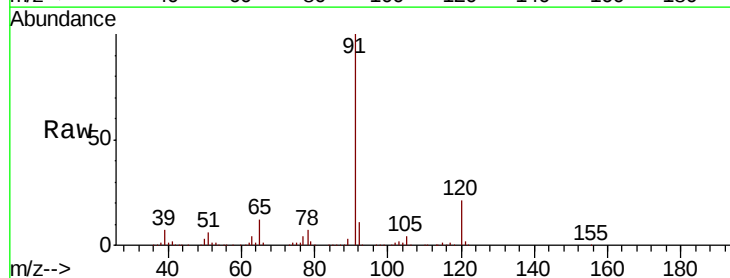
Acq: 9 Aug 2019 5:14

Tgt Ion: 91 Resp: 1896654

Ion Ratio Lower Upper

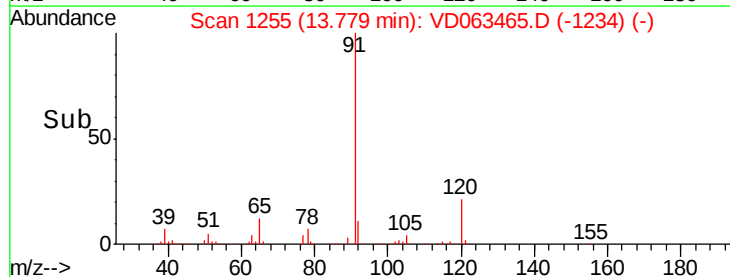
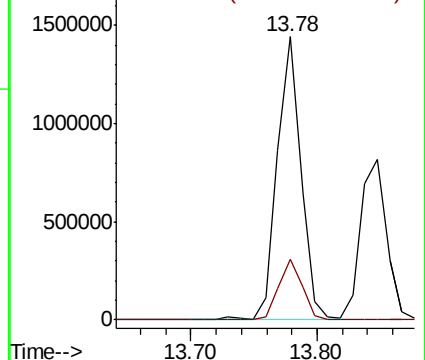
91 100

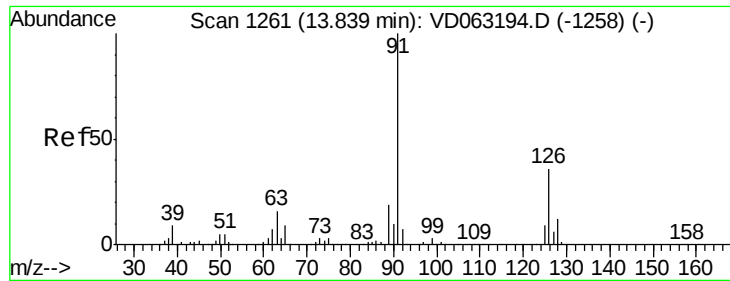
120 21.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.797 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

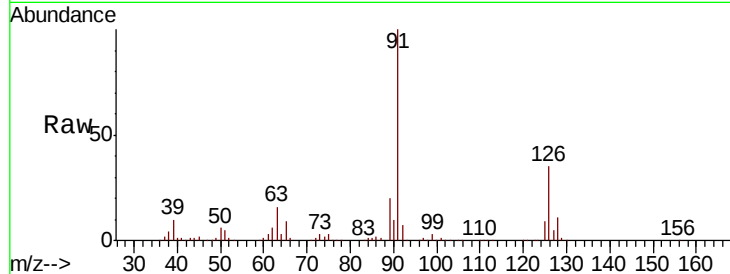
SB-05(13-14)MS

Tgt Ion: 91 Resp: 1177096

Ion Ratio Lower Upper

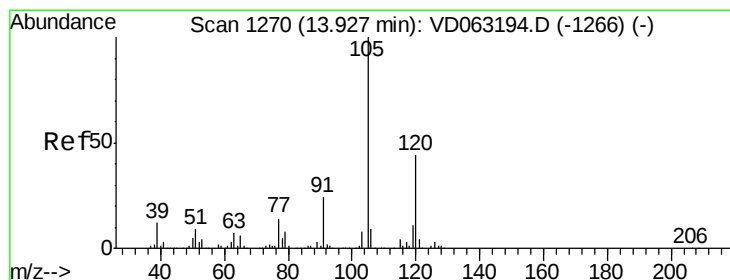
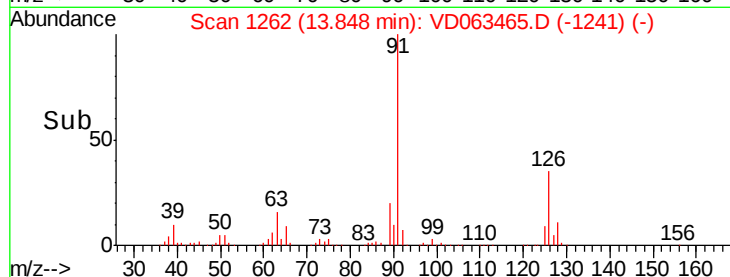
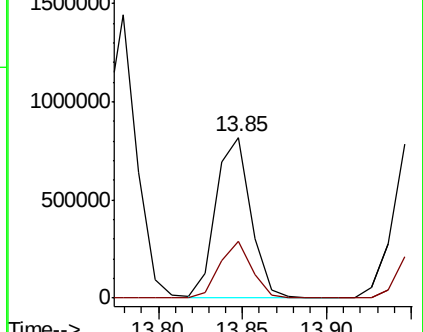
91 100

126 35.3 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 53.020 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063465.D

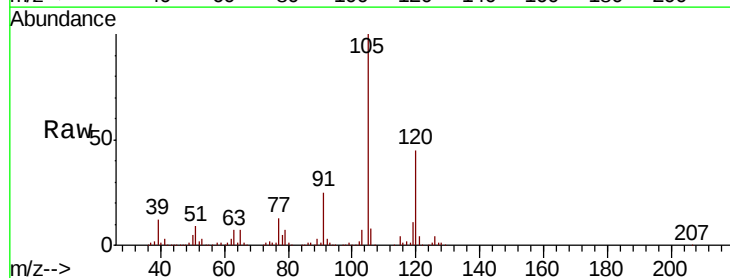
Acq: 9 Aug 2019 5:14

Tgt Ion: 105 Resp: 1374407

Ion Ratio Lower Upper

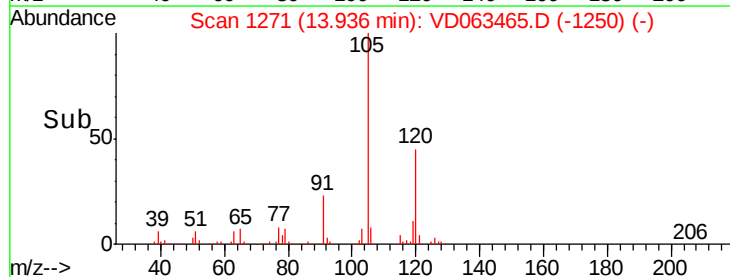
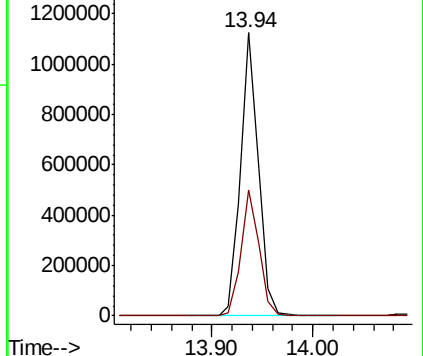
105 100

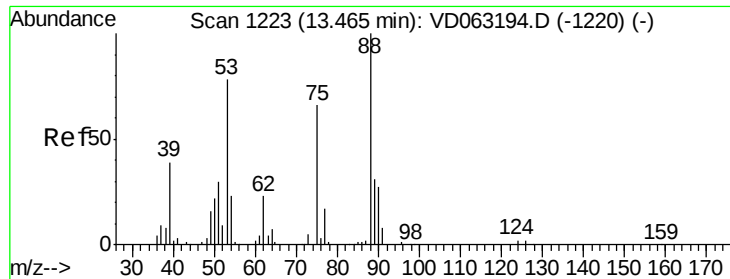
120 44.5 22.1 66.1



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: 51.176 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

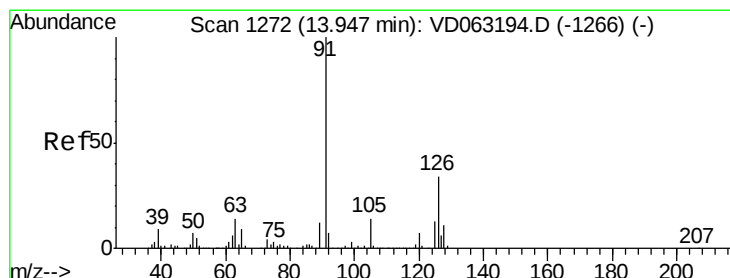
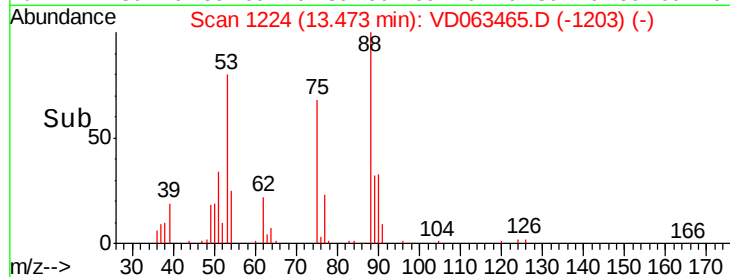
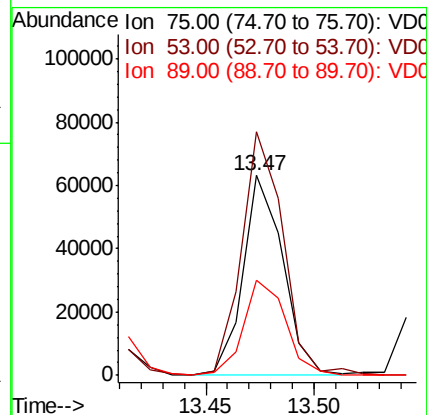
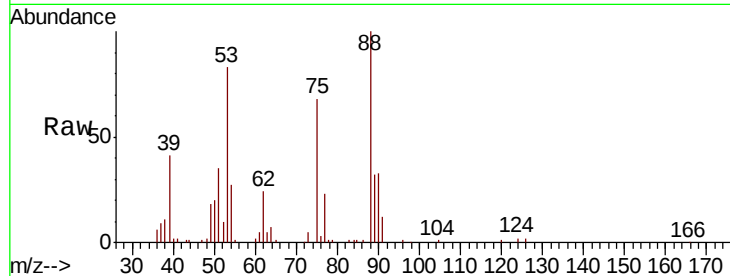
Tgt Ion: 75 Resp: 81737

Ion Ratio Lower Upper

75 100

53 121.9 94.9 142.3

89 47.7 37.4 56.0



#82

4-Chlorotoluene

Concen: 52.523 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD063465.D

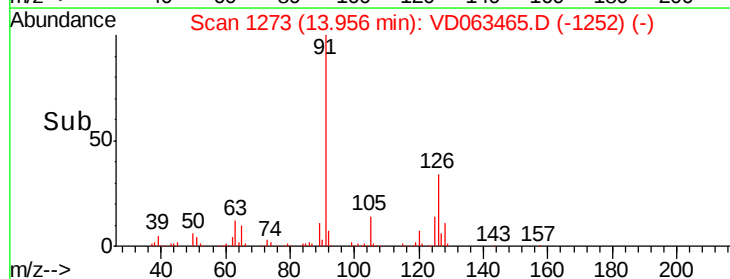
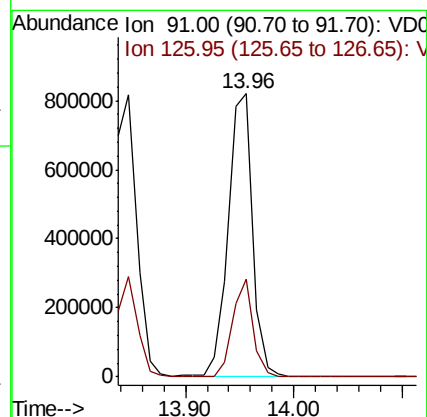
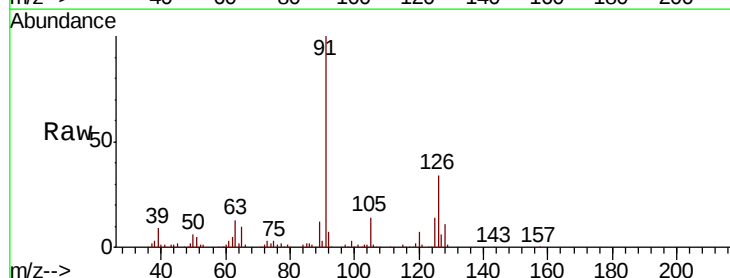
Acq: 9 Aug 2019 5:14

Tgt Ion: 91 Resp: 1281022

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 52.331 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

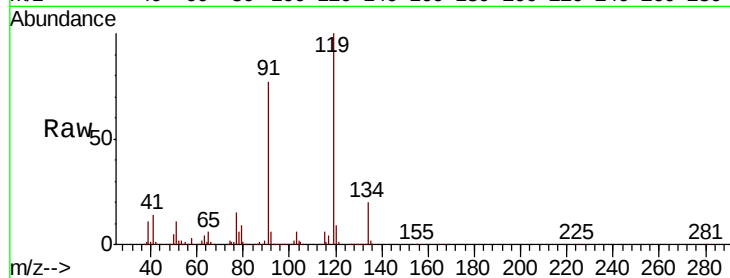
Tgt Ion:119 Resp: 1548931

Ion Ratio Lower Upper

119 100

91 77.1 39.1 117.5

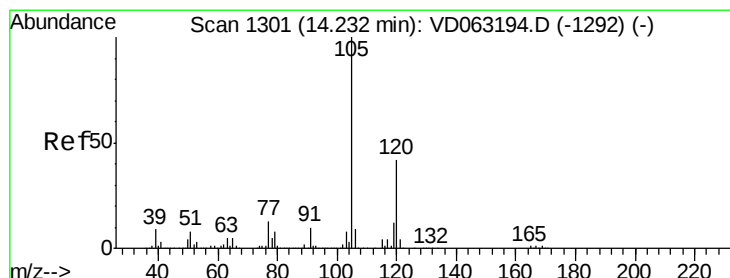
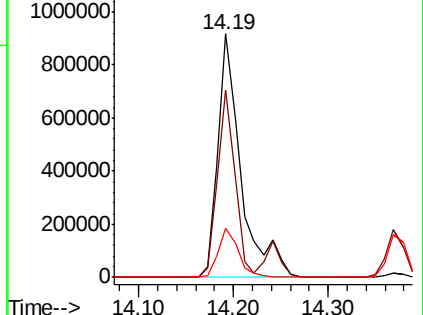
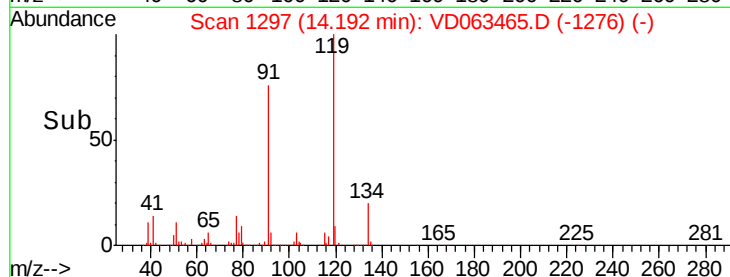
134 19.9 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.975 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063465.D

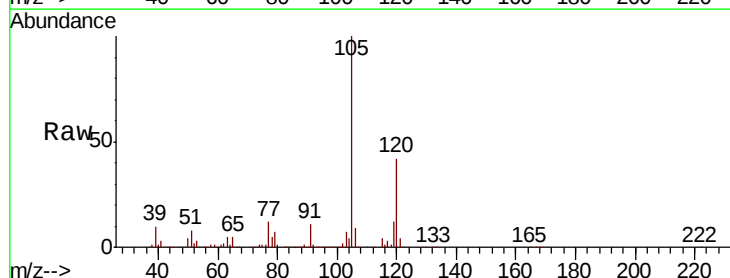
Acq: 9 Aug 2019 5:14

Tgt Ion:105 Resp: 1447231

Ion Ratio Lower Upper

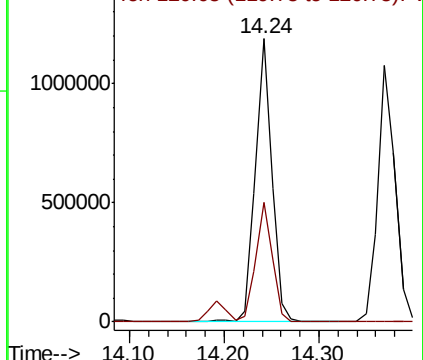
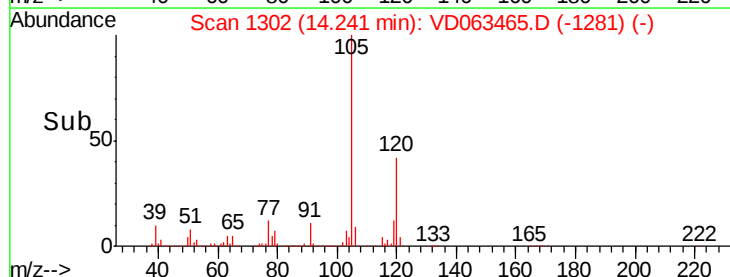
105 100

120 42.1 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

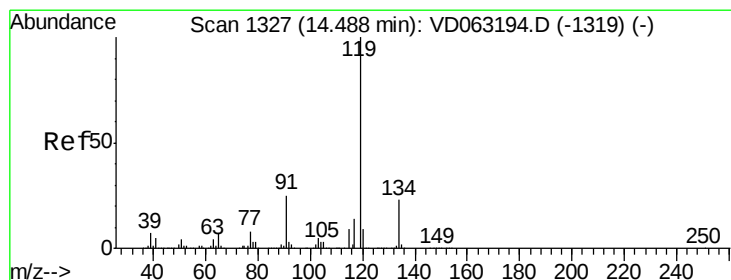
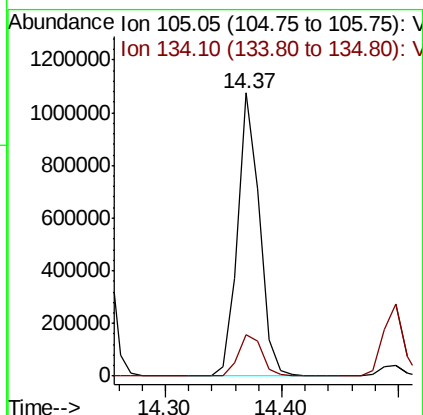
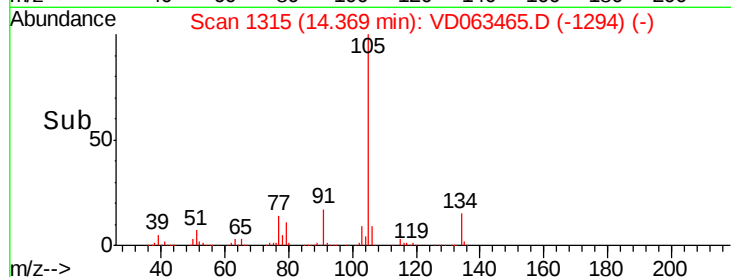
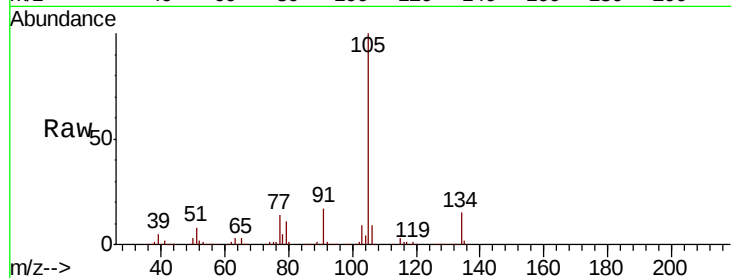




#85
 sec-Butylbenzene
 Concen: 44.584 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

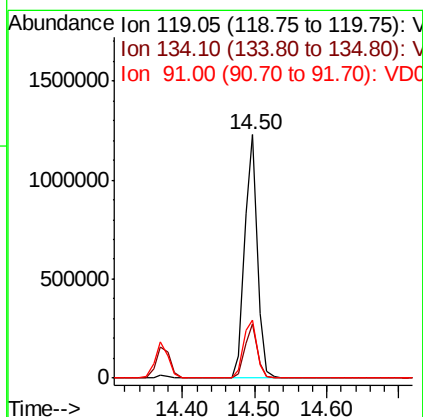
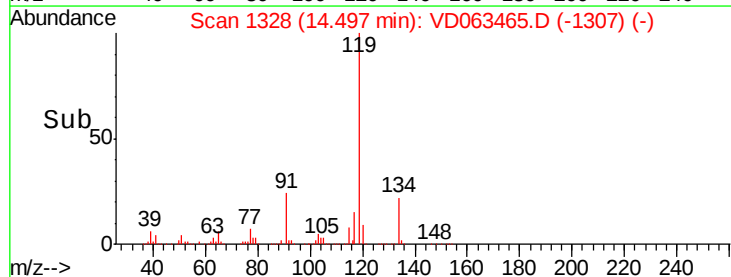
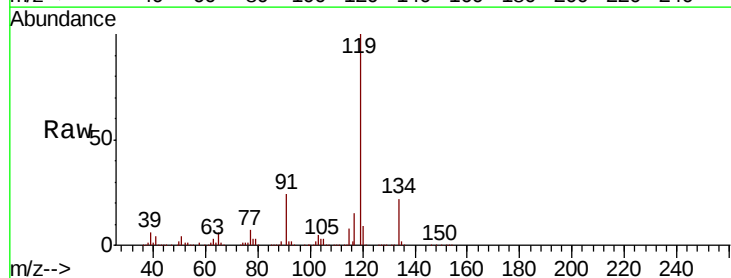
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(13-14)MS

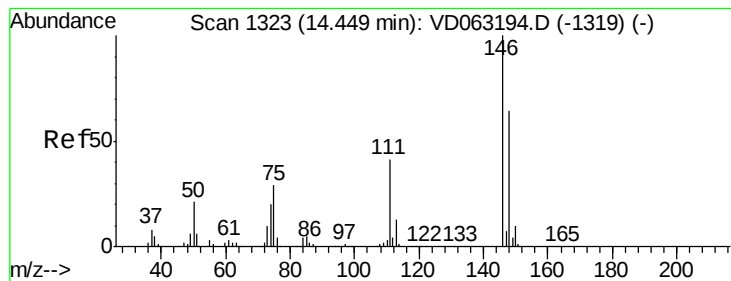
Tgt Ion:105 Resp: 1390354
 Ion Ratio Lower Upper
 105 100
 134 14.8 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 50.669 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

Tgt Ion:119 Resp: 1508124
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.5 34.5
 91 24.0 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 50.790 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

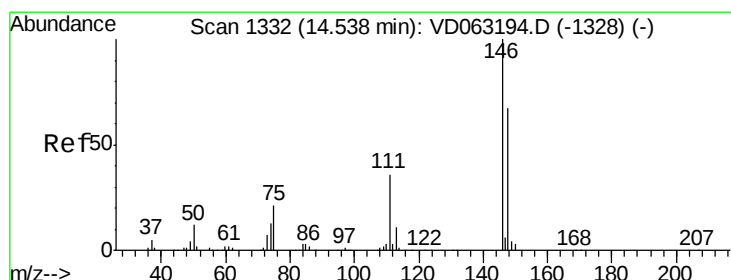
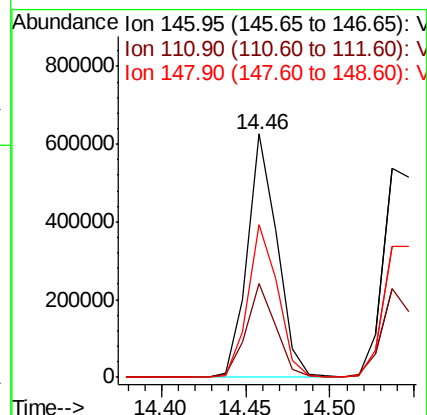
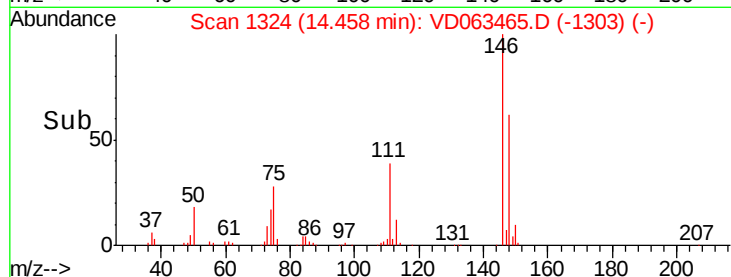
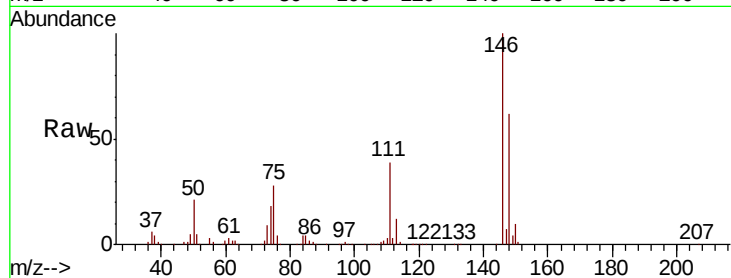
Tgt Ion:146 Resp: 770108

Ion Ratio Lower Upper

146 100

111 38.6 20.4 61.3

148 62.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 49.328 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

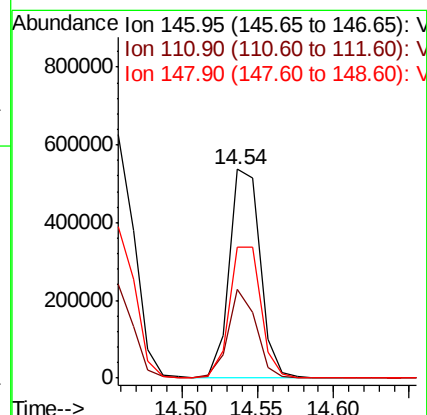
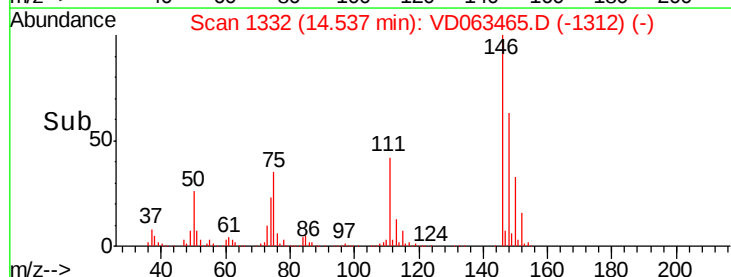
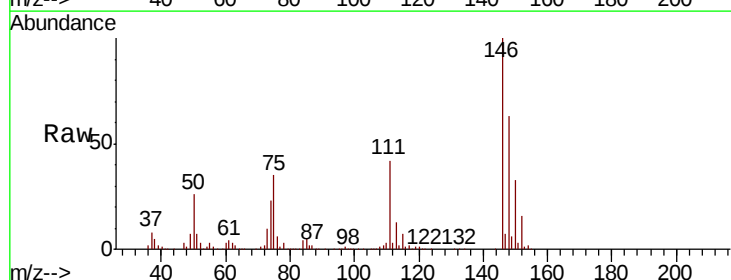
Tgt Ion:146 Resp: 756326

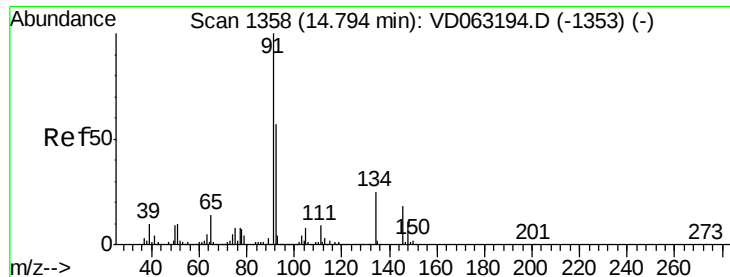
Ion Ratio Lower Upper

146 100

111 42.3 18.1 54.3

148 62.8 33.4 100.1





#89

n-Butylbenzene

Concen: 47.025 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

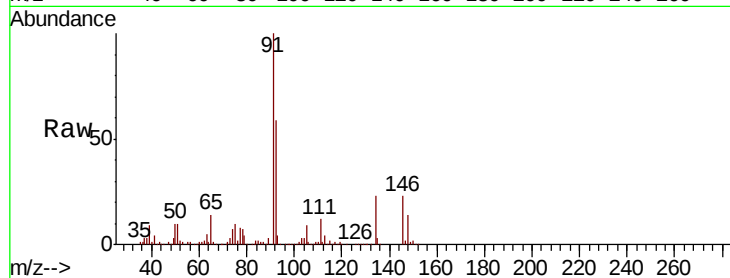
Tgt Ion: 91 Resp: 1208886

Ion Ratio Lower Upper

91 100

92 59.3 28.3 85.0

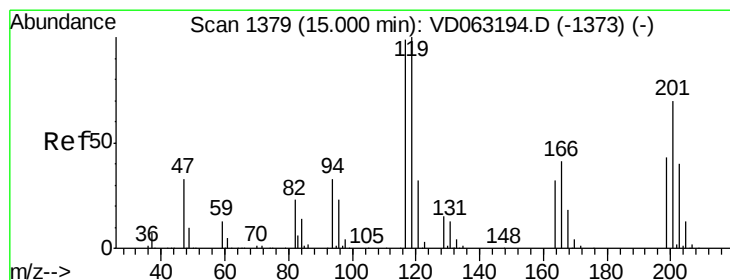
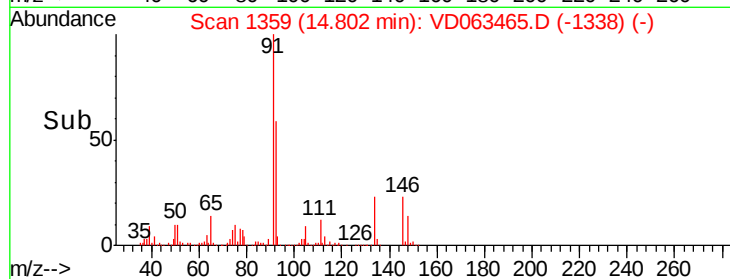
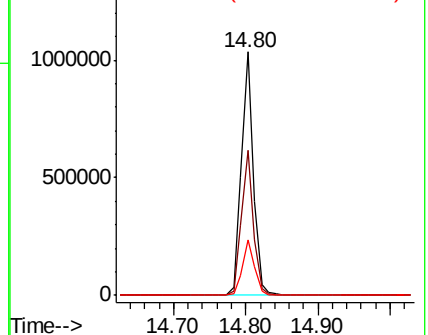
134 22.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 53.495 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063465.D

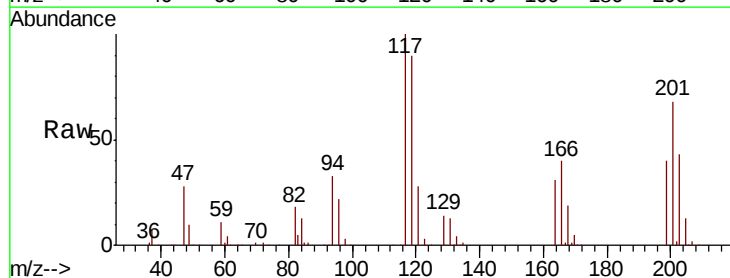
Acq: 9 Aug 2019 5:14

Tgt Ion: 117 Resp: 414832

Ion Ratio Lower Upper

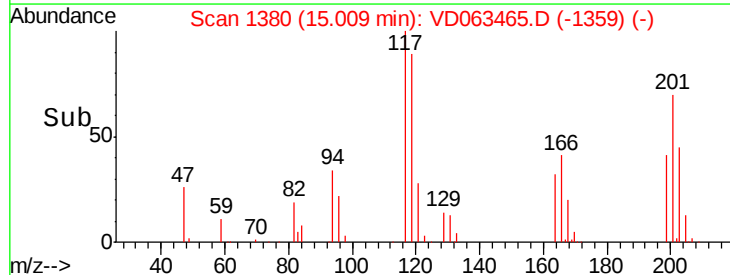
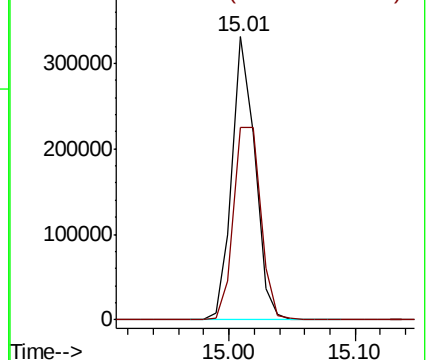
117 100

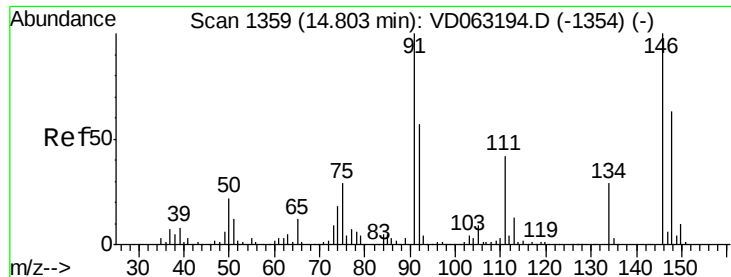
201 68.1 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 52.059 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

Instrument :

MSVOA_D

ClientSampleId :

SB-05(13-14)MS

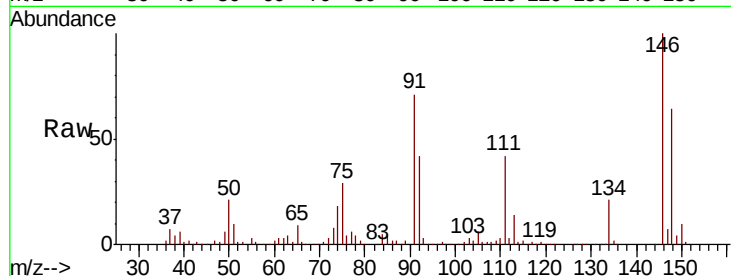
Tgt Ion:146 Resp: 687732

Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.3

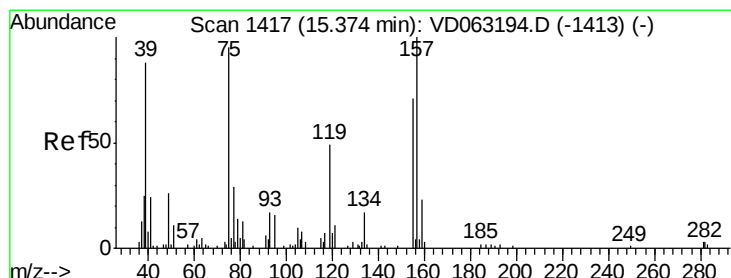
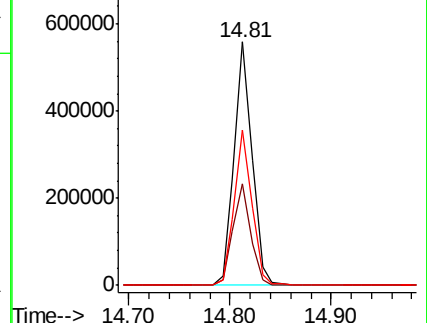
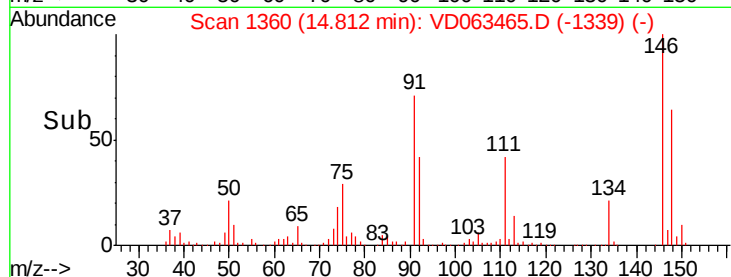
148 63.9 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.650 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063465.D

Acq: 9 Aug 2019 5:14

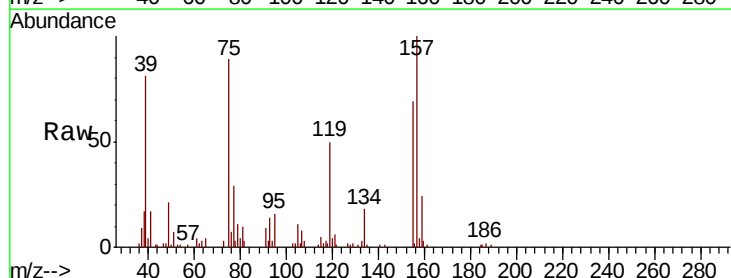
Tgt Ion: 75 Resp: 54752

Ion Ratio Lower Upper

75 100

155 77.7 37.0 111.0

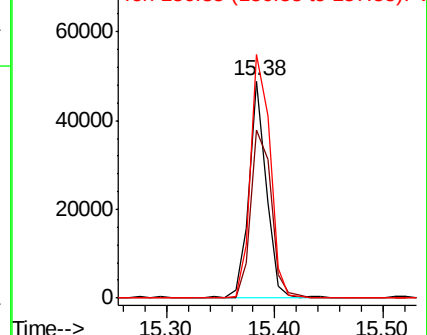
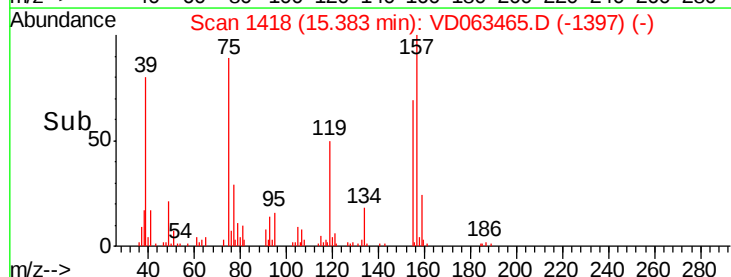
157 112.1 52.4 157.2

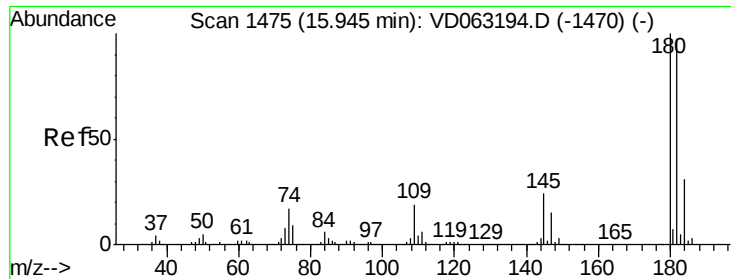


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

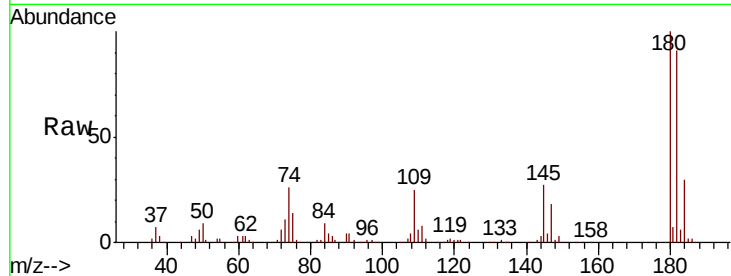




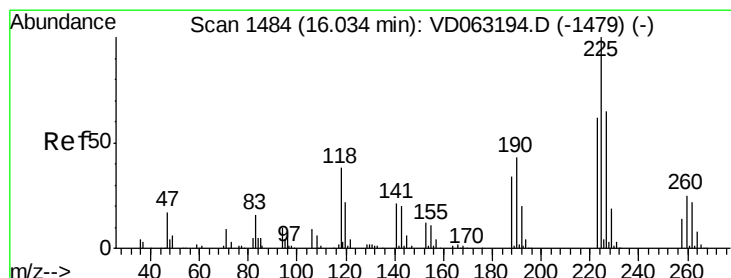
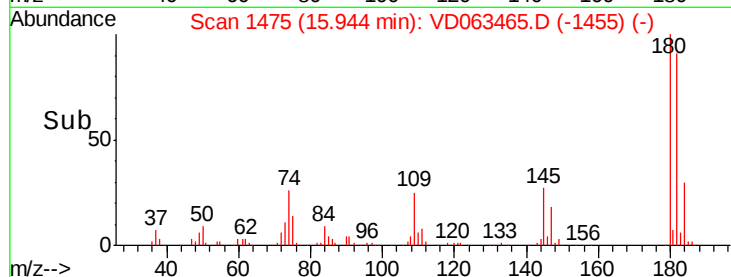
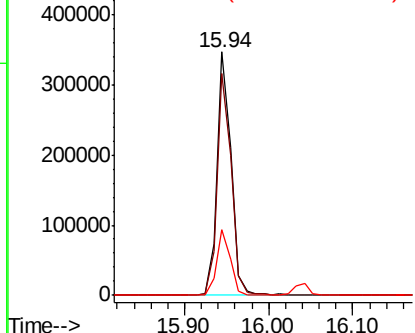
#93
 1,2,4-Trichlorobenzene
 Concen: 38.185 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(13-14)MS

Tgt Ion:180 Resp: 400187
 Ion Ratio Lower Upper
 180 100
 182 91.0 48.6 145.8
 145 27.1 12.2 36.6

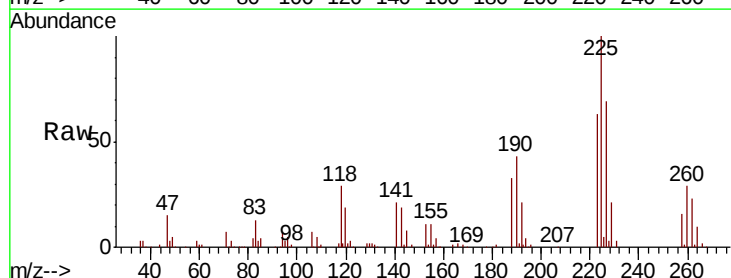


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

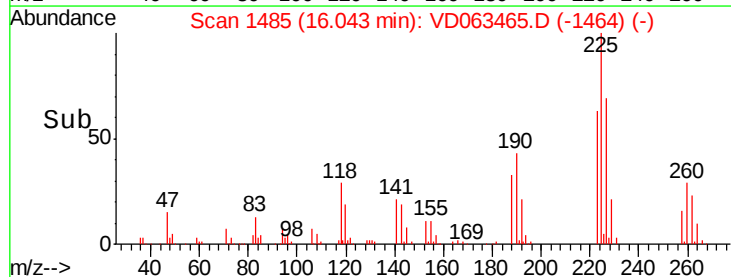
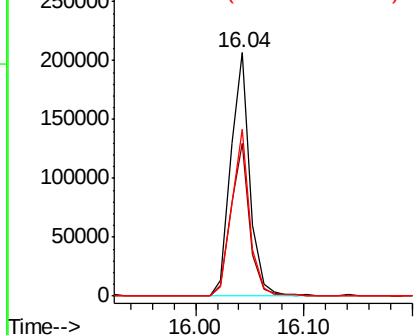


#94
 Hexachlorobutadiene
 Concen: 33.391 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063465.D
 Acq: 9 Aug 2019 5:14

Tgt Ion:225 Resp: 253593
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.5
 227 68.8 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

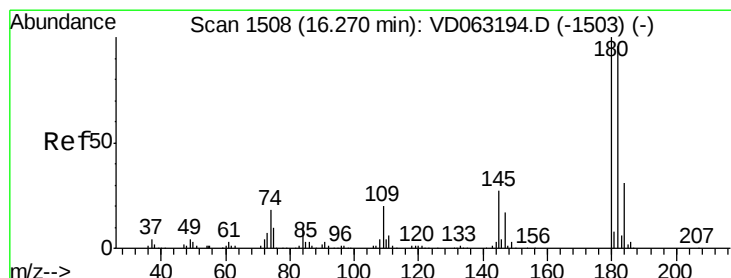
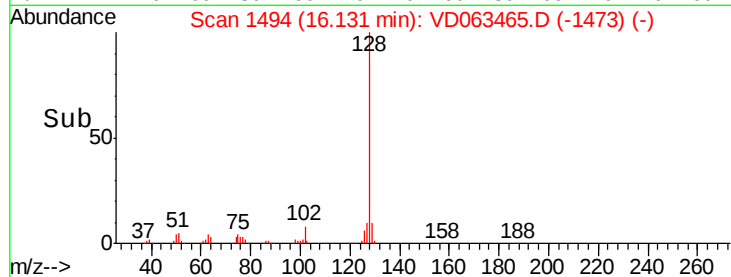
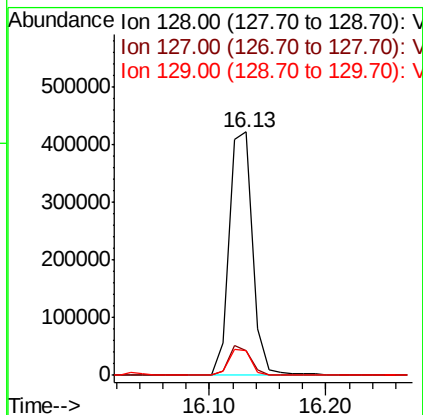
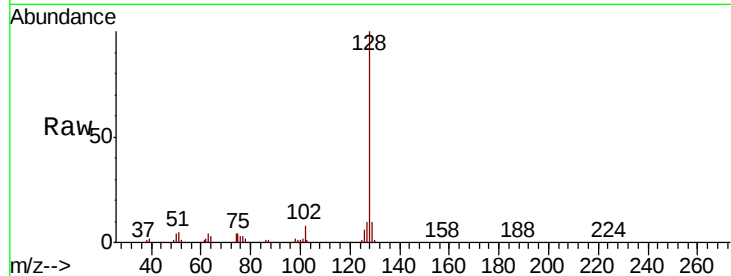




#95
Naphthalene
Concen: 39.598 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Instrument :
MSVOA_D
ClientSampleId :
SB-05(13-14)MS

Tgt Ion:128 Resp: 586549
Ion Ratio Lower Upper
128 100
127 10.3 10.2 15.4
129 10.0 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 38.674 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063465.D
Acq: 9 Aug 2019 5:14

Tgt Ion:180 Resp: 320187
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.9
145 33.6 13.6 40.7

