

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064613.D
 Acq On : 26 Dec 2019 22:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Dec 27 05:00:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263094	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	184707	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	7.92	113	186446	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.34	98	708373	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.64	95	225214	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	148879	48.136	ug/l	99
3) Chloromethane	2.21	50	220370	50.946	ug/l	99
4) Vinyl Chloride	2.35	62	260245	49.345	ug/l	96
5) Bromomethane	2.77	94	191891	50.040	ug/l	98
6) Chloroethane	2.92	64	183019	51.790	ug/l	98
7) Trichlorofluoromethane	3.27	101	445005	50.112	ug/l	96
8) Diethyl Ether	3.71	74	93533	53.041	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	178968	48.663	ug/l	99
10) Methyl Iodide	4.29	142	218627	55.343	ug/l	100
11) Tert butyl alcohol	5.26	59	51294	255.042	ug/l	99
12) 1,1-Dichloroethene	4.06	96	175703	50.182	ug/l	98
13) Acrolein	3.93	56	76461	272.792	ug/l	99
14) Allyl chloride	4.71	41	286248	52.436	ug/l	98
15) Acrylonitrile	5.43	53	191549	260.779	ug/l	99
16) Acetone	4.17	43	153620	204.107	ug/l	96
17) Carbon Disulfide	4.40	76	563562	49.778	ug/l	99
18) Methyl Acetate	4.73	43	99459	50.341	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	416545	53.561	ug/l	96
20) Methylene Chloride	4.96	84	201486	56.804	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	206015	51.665	ug/l	99
22) Diisopropyl ether	6.37	45	581596	53.414	ug/l	99
23) Vinyl Acetate	6.31	43	1697060	274.756	ug/l	99
24) 1,1-Dichloroethane	6.27	63	347663	53.186	ug/l	99
25) 2-Butanone	7.22	43	238728	247.483	ug/l	99
26) 2,2-Dichloropropane	7.21	77	290799	47.848	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	226751	52.691	ug/l	99
28) Bromochloromethane	7.55	49	141486	55.681	ug/l	98
29) Tetrahydrofuran	7.57	42	159109	265.236	ug/l	98
30) Chloroform	7.71	83	367214	53.544	ug/l	98
31) Cyclohexane	7.99	56	299126	45.715	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	327074	50.775	ug/l	99
36) 1,1-Dichloropropene	8.11	75	280933	49.498	ug/l	99
37) Ethyl Acetate	7.30	43	113222	50.780	ug/l	99
38) Carbon Tetrachloride	8.10	117	297676	49.187	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	332594	48.383	ug/l	96
40) Benzene	8.35	78	804385	51.917	ug/l	99
41) Methacrylonitrile	7.53	41	65199	50.399	ug/l	91
42) 1,2-Dichloroethane	8.43	62	232879	52.013	ug/l	99
43) Isopropyl Acetate	8.46	43	228301	51.442	ug/l	99
44) Trichloroethene	9.11	130	232438	51.067	ug/l	93
45) 1,2-Dichloropropane	9.39	63	192286	51.978	ug/l	98
46) Dibromomethane	9.48	93	108205	52.463	ug/l	98
47) Bromodichloromethane	9.67	83	289066	52.670	ug/l	96
48) Methyl methacrylate	9.46	41	104709	50.108	ug/l	90
49) 1,4-Dioxane	9.47	88	24713	1039.137	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	564144	257.177	ug/l	99
52) Toluene	10.40	92	524240	51.572	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	268827	52.538	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	312159	51.738	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	146182	52.591	ug/l	94
56) Ethyl methacrylate	10.67	69	180645	52.039	ug/l	100
57) 1,3-Dichloropropane	10.95	76	247511	51.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	313088	236.729	ug/l	99
59) 2-Hexanone	10.99	43	379876	255.149	ug/l	100
60) Dibromochloromethane	11.14	129	196480	51.116	ug/l	97
61) 1,2-Dibromoethane	11.25	107	140646	51.301	ug/l	100
64) Tetrachloroethene	10.88	164	200464	49.152	ug/l	98
65) Chlorobenzene	11.67	112	556512	50.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	215402	51.785	ug/l	98
67) Ethyl Benzene	11.75	91	1000235	49.945	ug/l	99
68) m/p-Xylenes	11.86	106	777341	100.563	ug/l	98
69) o-Xylene	12.18	106	357537	51.208	ug/l	97
70) Styrene	12.20	104	626018	51.081	ug/l	99
71) Bromoform	12.36	173	120066	50.616	ug/l #	99
73) Isopropylbenzene	12.48	105	946167	50.325	ug/l	100
74) N-amyl acetate	12.29	43	209231	52.060	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	145969	49.422	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	195582	94.141	ug/l #	100
77) Bromobenzene	12.77	156	237619	51.436	ug/l	99
78) n-propylbenzene	12.83	91	1099237	50.116	ug/l	100
79) 2-Chlorotoluene	12.91	91	606165	50.307	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	779156	50.449	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	49364	49.695	ug/l	99
82) 4-Chlorotoluene	13.01	91	648211	50.552	ug/l	100
83) tert-Butylbenzene	13.23	119	679711	50.689	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	783554	50.941	ug/l	99
85) sec-Butylbenzene	13.41	105	908963	49.444	ug/l	99
86) p-Isopropyltoluene	13.52	119	877087	49.896	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	445885	50.630	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	439146	50.759	ug/l	99
89) n-Butylbenzene	13.85	91	787110	49.723	ug/l	100
90) Hexachloroethane	14.12	117	164543	49.003	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	381865	50.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22959	47.952	ug/l	97

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QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

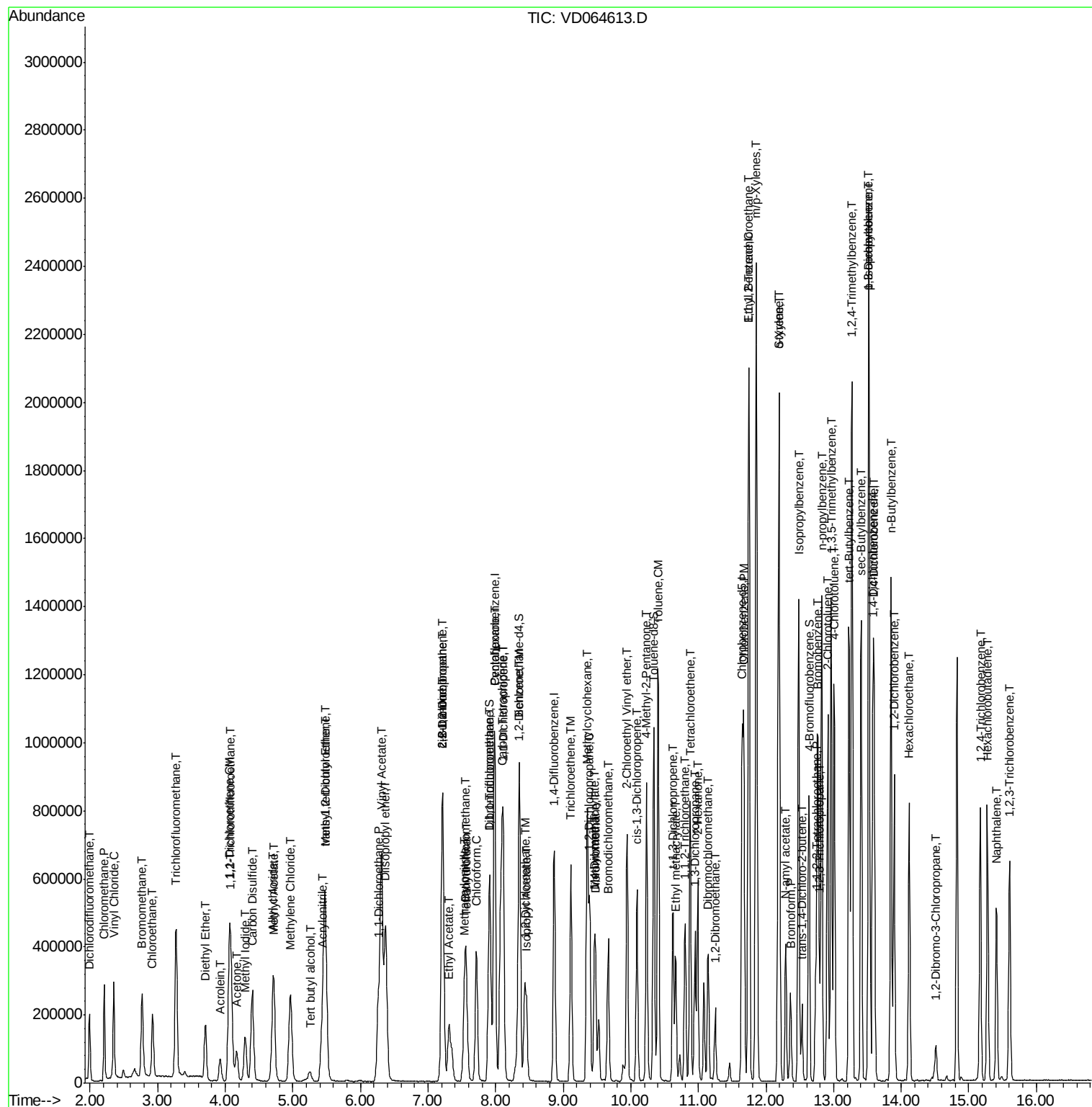
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	281380	50.888	ug/l	100
94) Hexachlorobutadiene	15.28	225	165360	47.524	ug/l	98
95) Naphthalene	15.41	128	444021	50.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	237030	50.213	ug/l	99

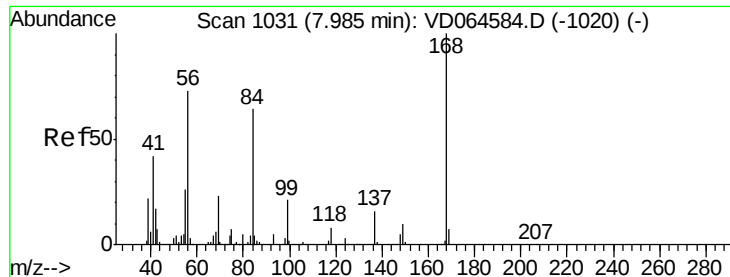
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

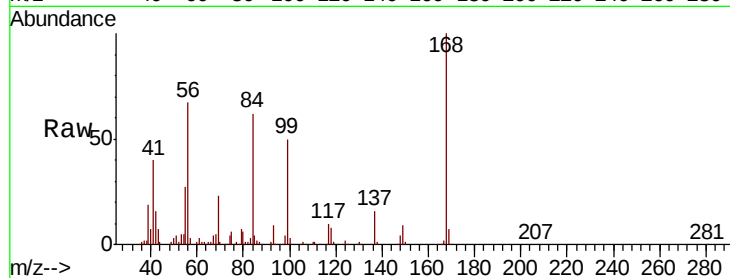
BFB

Tot Ion:168 Resp: 397976

Ion Ratio Lower Upper

168 100

99 50.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

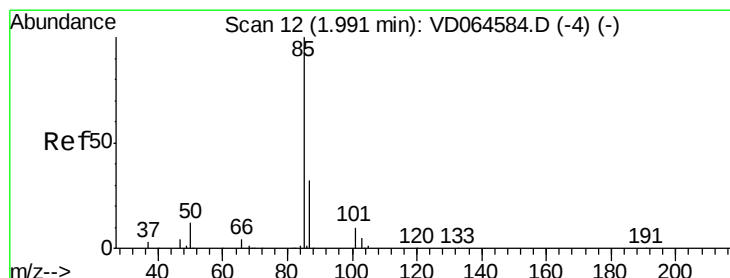
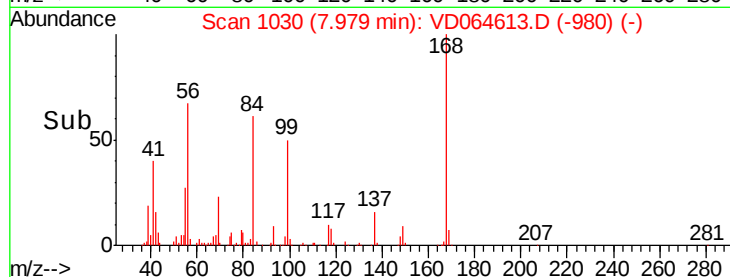
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.136 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064613.D

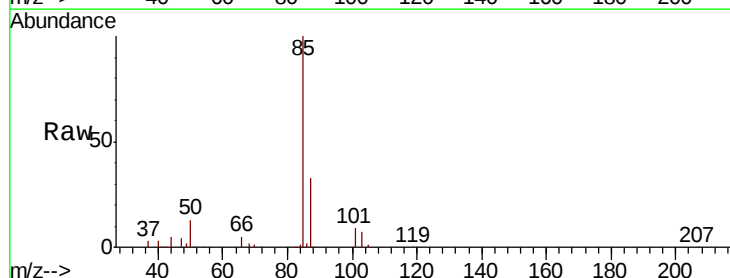
Acq: 26 Dec 2019 22:44

Tgt Ion: 85 Resp: 148879

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

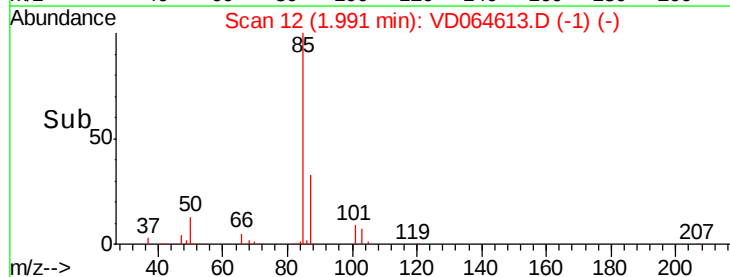
40000

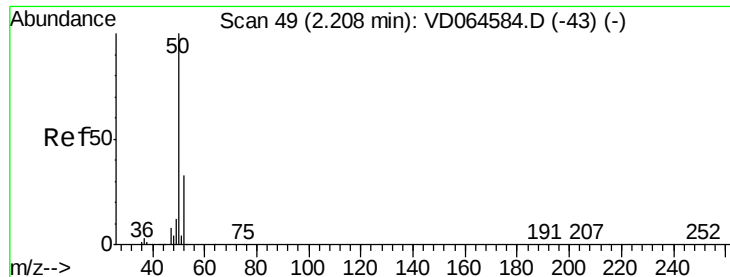
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.946 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

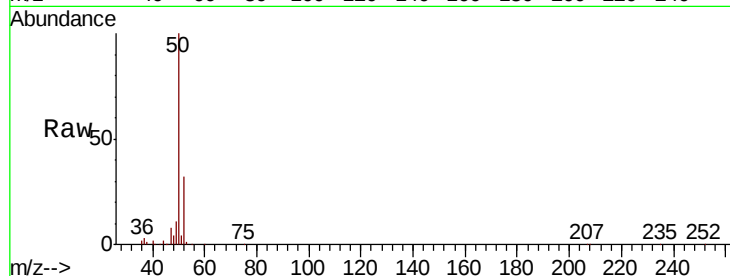
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Tot Ion: 50 Resp: 220370

Ion Ratio Lower Upper

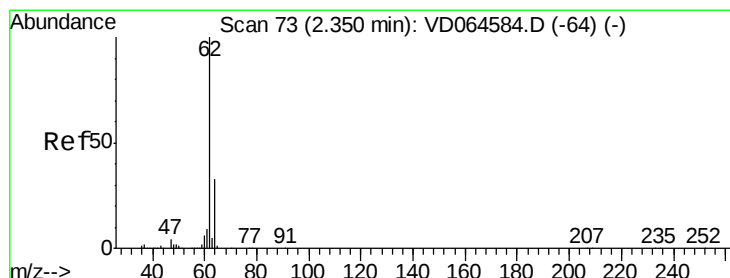
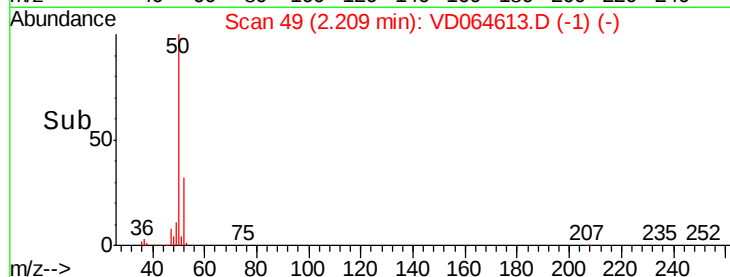
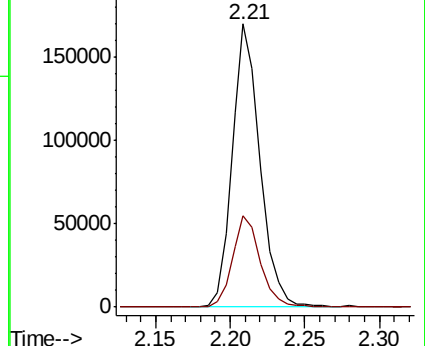
50 100

52 32.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.345 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064613.D

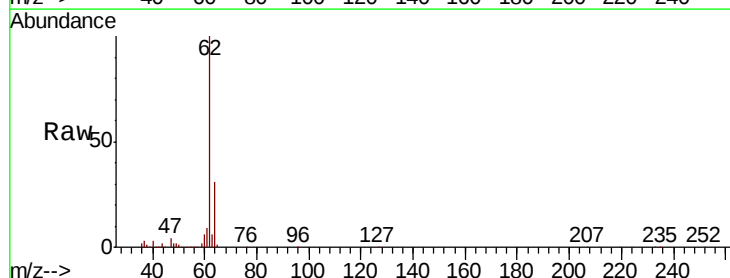
Acq: 26 Dec 2019 22:44

Tgt Ion: 62 Resp: 260245

Ion Ratio Lower Upper

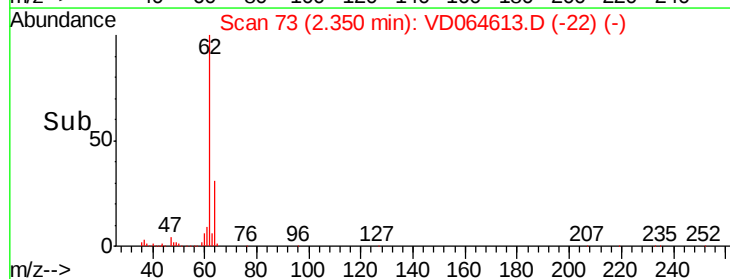
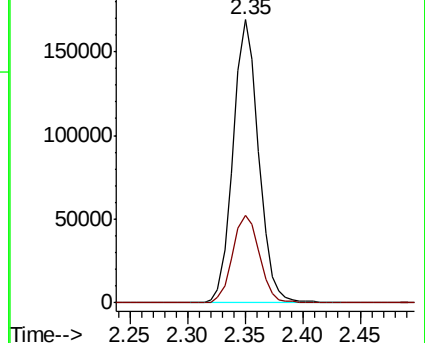
62 100

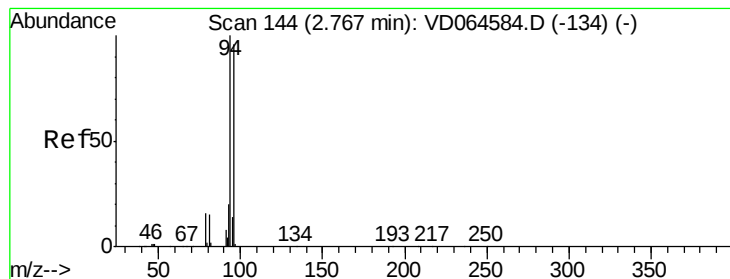
64 31.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.040 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

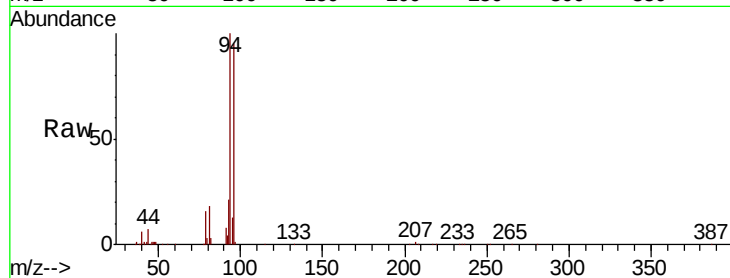
BFB

Tot Ion: 94 Resp: 191891

Ion Ratio Lower Upper

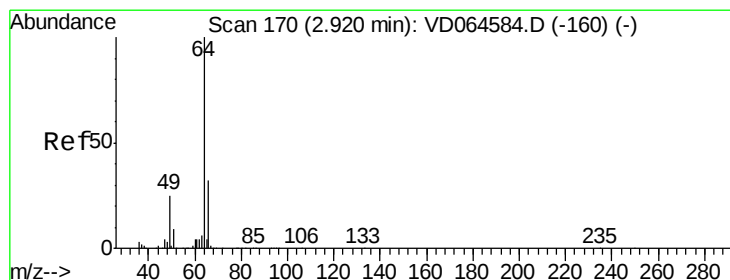
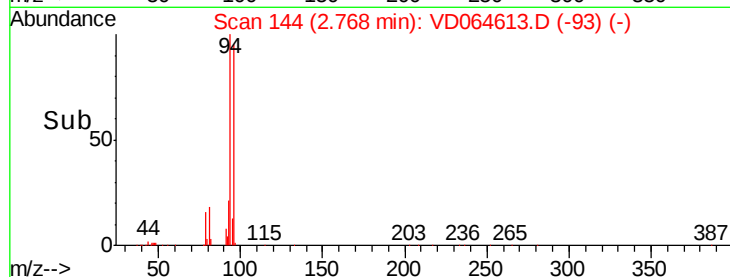
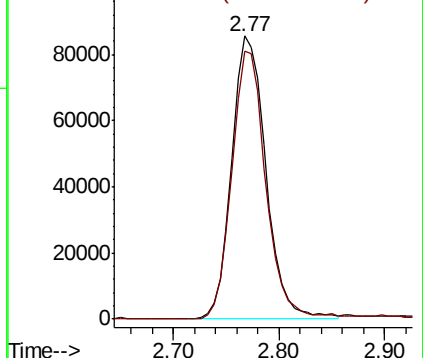
94 100

96 94.7 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.790 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064613.D

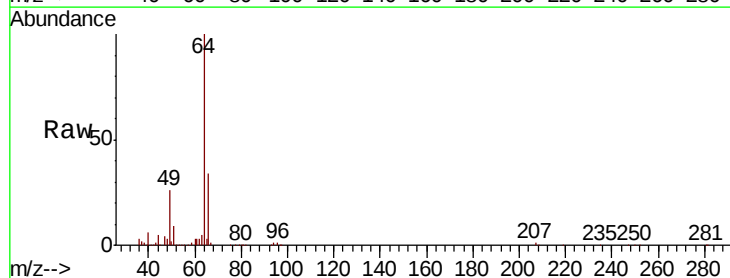
Acq: 26 Dec 2019 22:44

Tgt Ion: 64 Resp: 183019

Ion Ratio Lower Upper

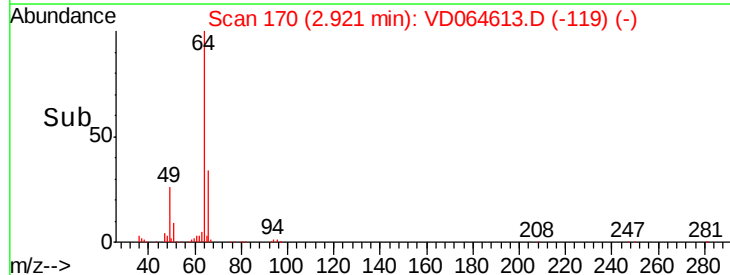
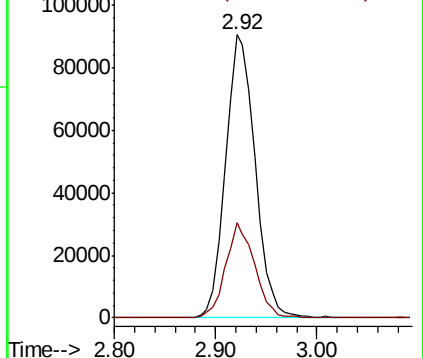
64 100

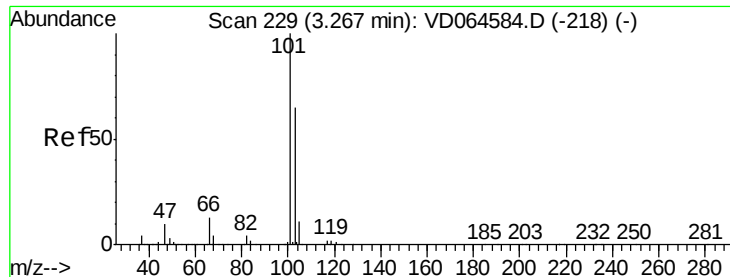
66 33.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



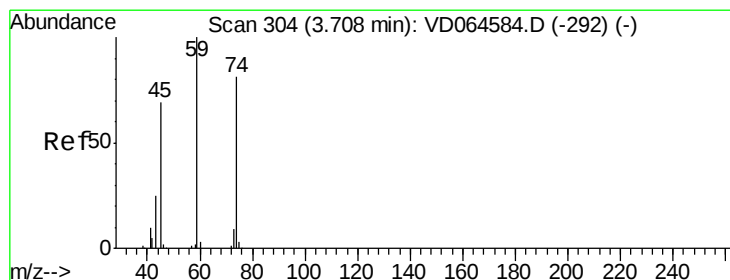
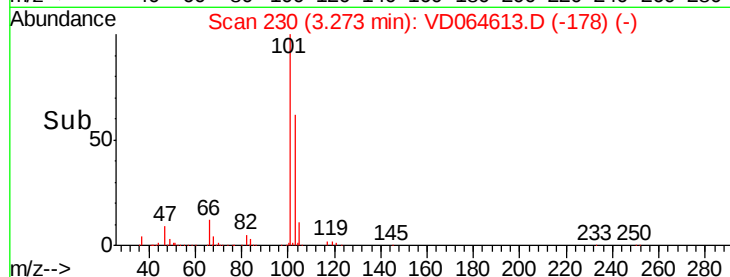
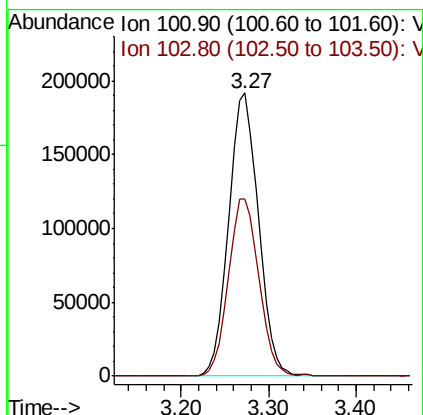
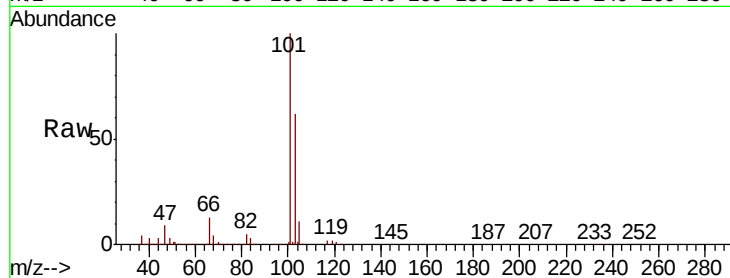


#7

Trichlorofluoromethane
Concen: 50.112 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Instrument :
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ClientSampled :
BFB

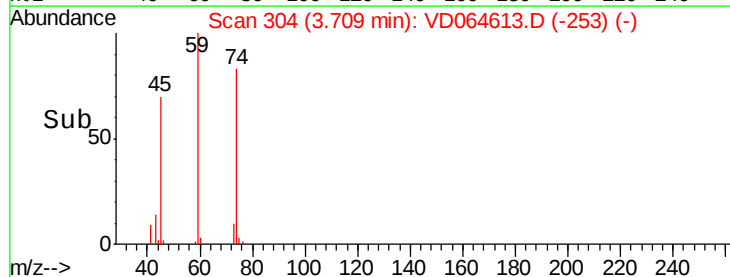
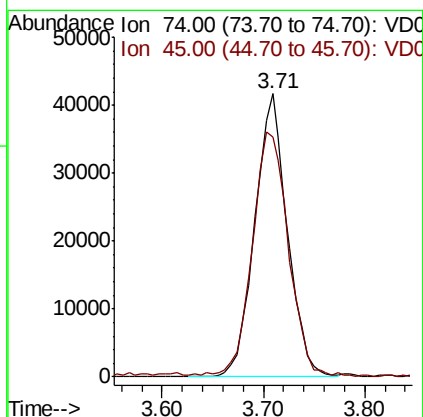
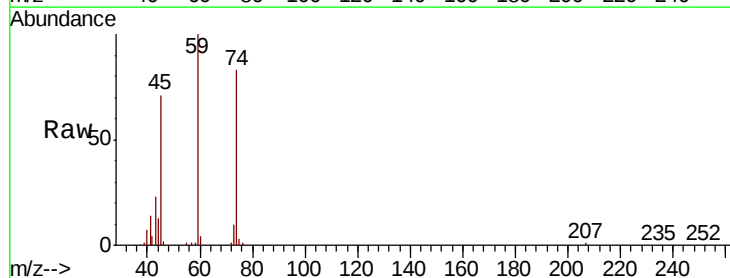
Tot Ion:101 Resp: 445005
Ion Ratio Lower Upper
101 100
103 62.5 52.2 78.4

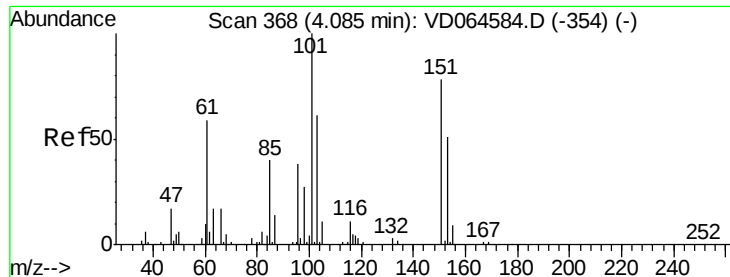


#8

Diethyl Ether
Concen: 53.041 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 74 Resp: 93533
Ion Ratio Lower Upper
74 100
45 96.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.663 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

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ClientSampleId :

BFB

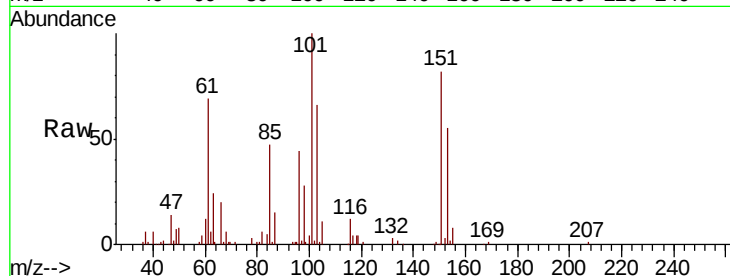
Tot Ion:101 Resp: 178968

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

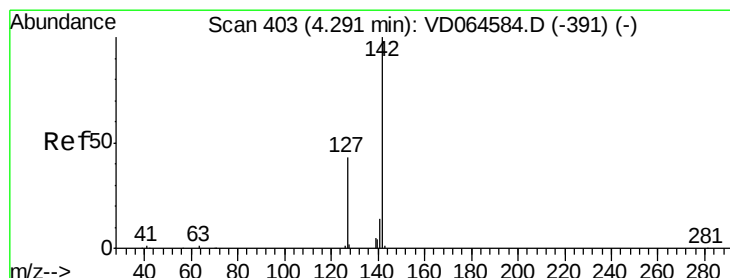
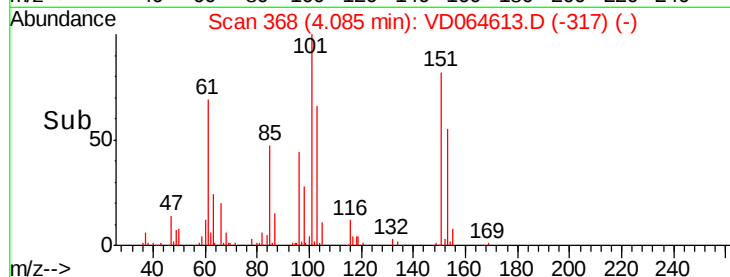
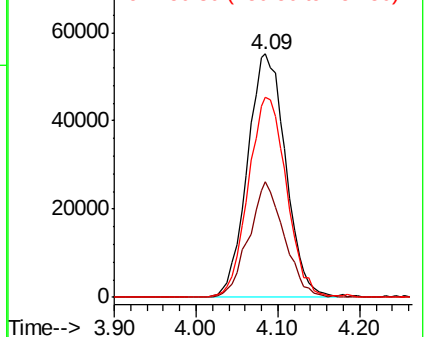
151 82.1 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.343 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

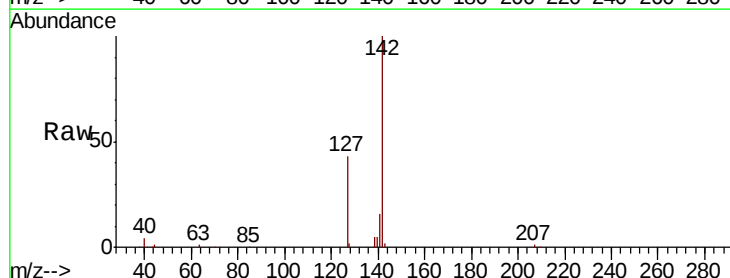
Tgt Ion:142 Resp: 218627

Ion Ratio Lower Upper

142 100

127 45.5 36.2 54.4

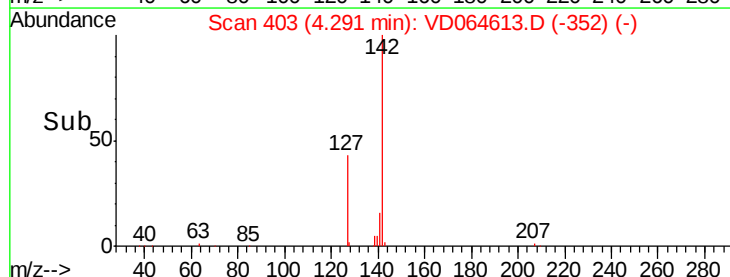
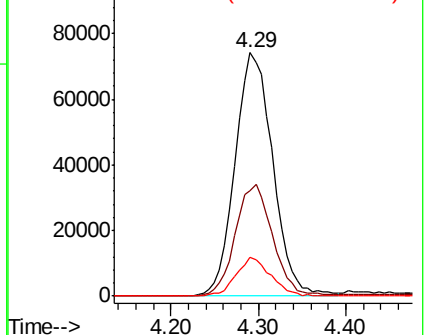
141 14.6 11.8 17.8

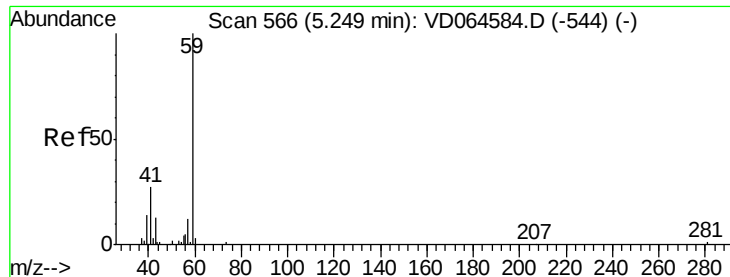


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



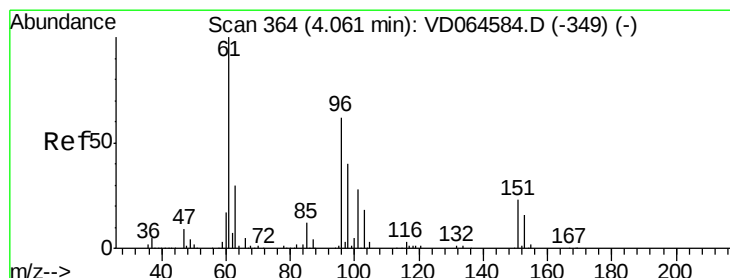
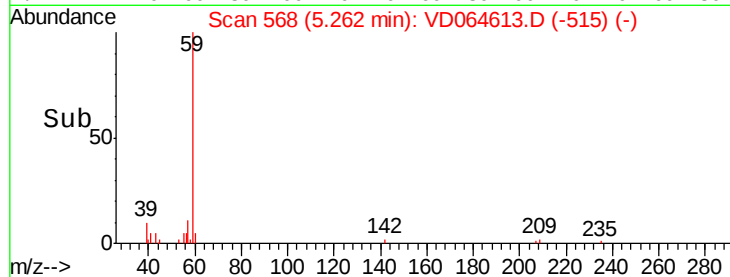
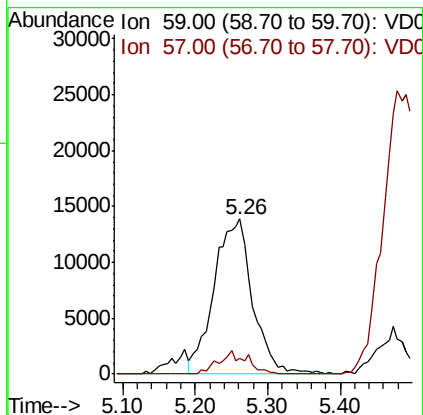
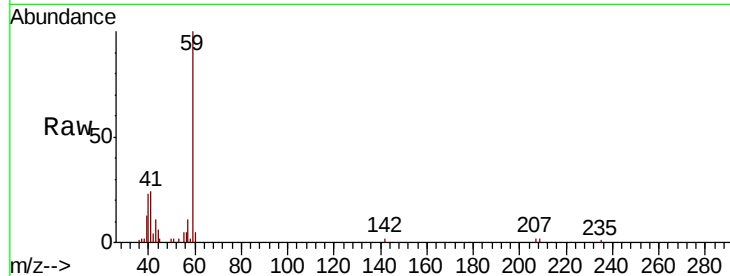


#11

Tert butyl alcohol
Concen: 255.042 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Instrument :
MSVOA_D
ClientSampled :
BFB

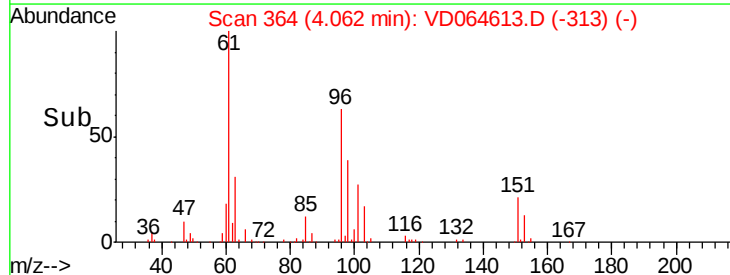
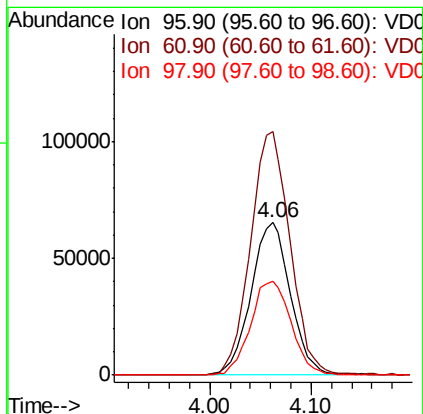
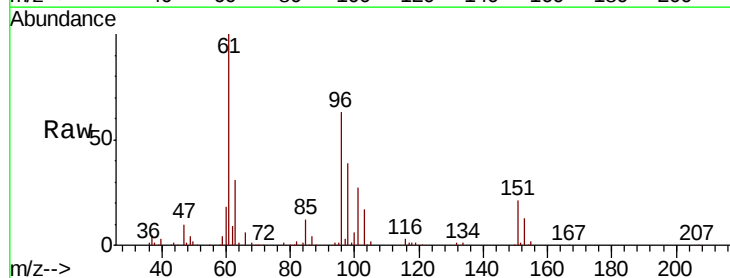
Tot Ion: 59 Resp: 51294
Ion Ratio Lower Upper
59 100
57 11.2 9.3 13.9

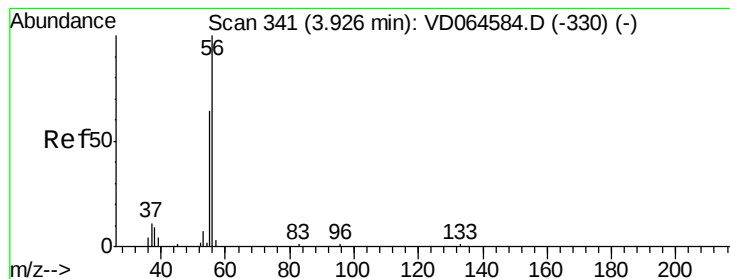


#12

1,1-Dichloroethene
Concen: 50.182 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 96 Resp: 175703
Ion Ratio Lower Upper
96 100
61 159.6 129.4 194.0
98 61.9 51.4 77.0





#13

Acrolein

Concen: 272.792 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

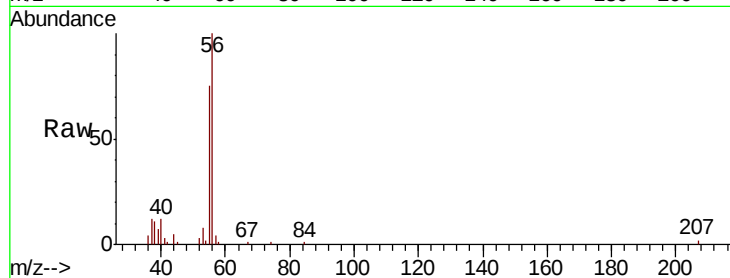
BFB

Tot Ion: 56 Resp: 76461

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1

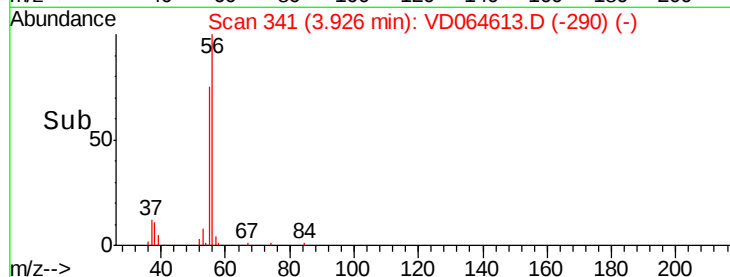


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

Time-->



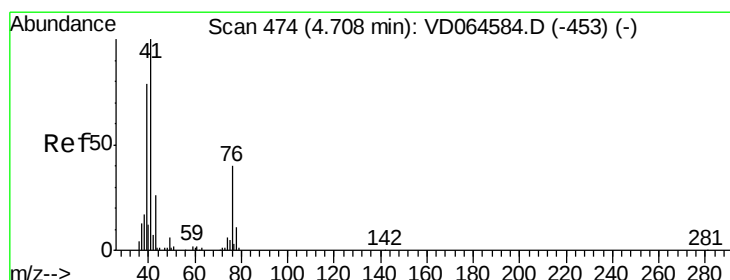
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

Time-->



#14

Allyl chloride

Concen: 52.436 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

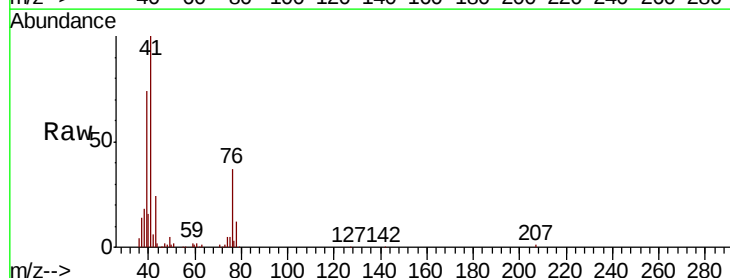
Tgt Ion: 41 Resp: 286248

Ion Ratio Lower Upper

41 100

39 76.0 62.3 93.5

76 38.9 29.7 44.5



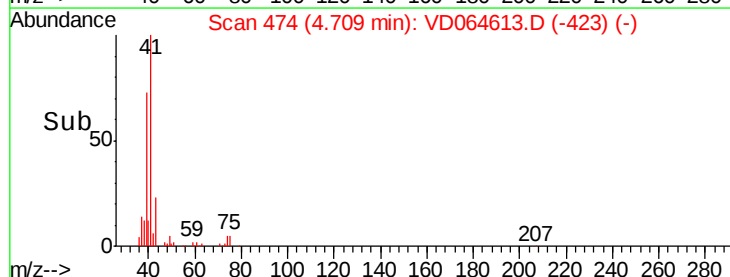
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Abundance

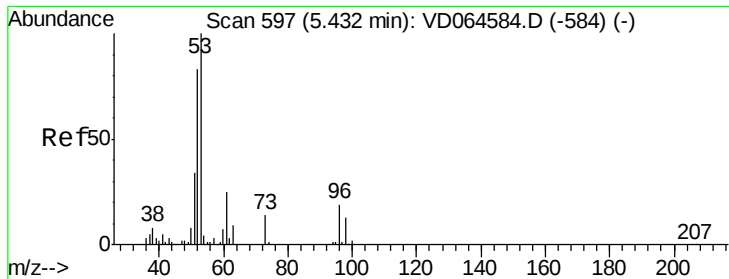
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



#15

Acrylonitrile

Concen: 260.779 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

BFB

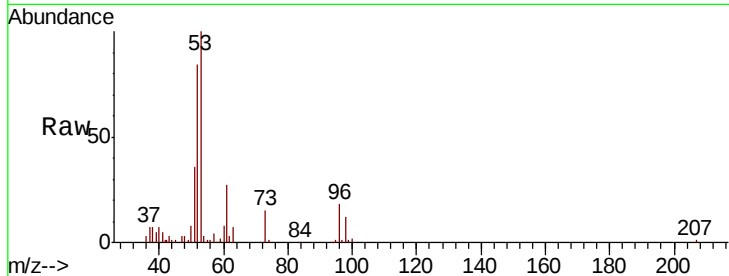
Tot Ion: 53 Resp: 191549

Ion Ratio Lower Upper

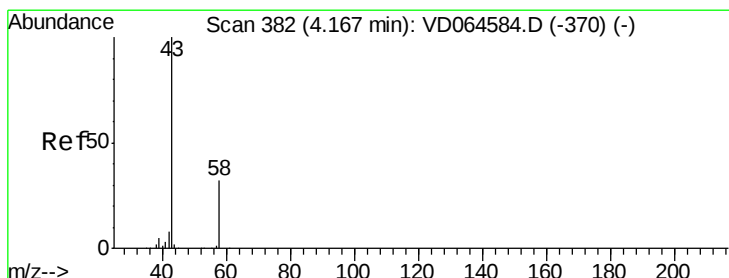
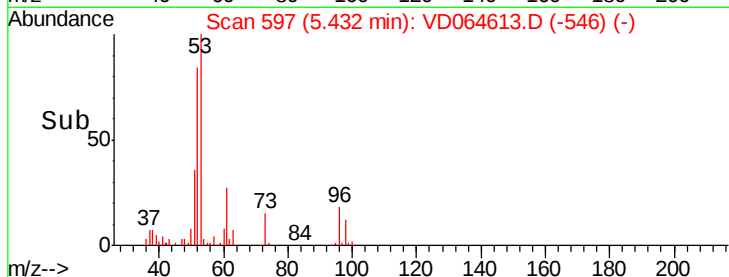
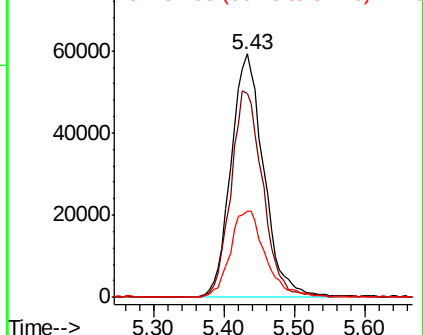
53 100

52 82.2 66.2 99.2

51 38.1 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 204.107 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064613.D

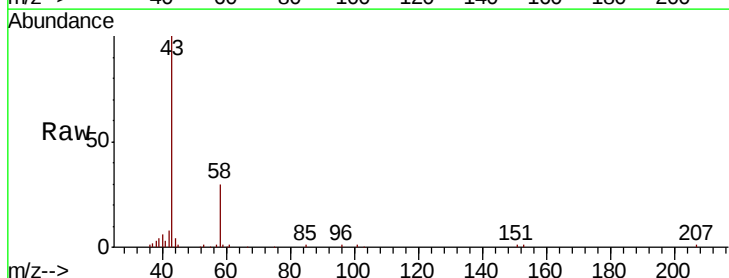
Acq: 26 Dec 2019 22:44

Tgt Ion: 43 Resp: 153620

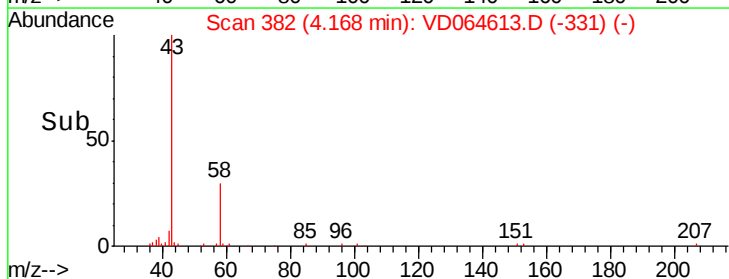
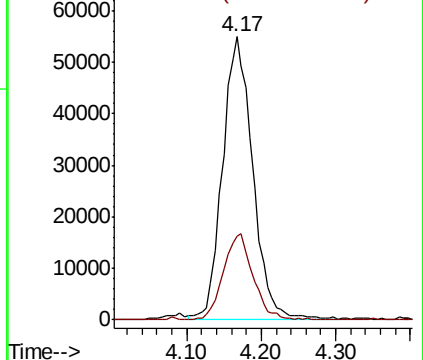
Ion Ratio Lower Upper

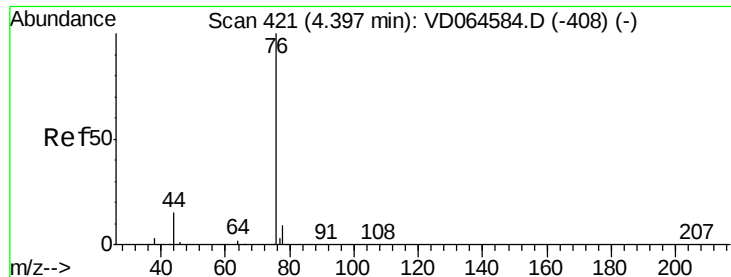
43 100

58 29.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

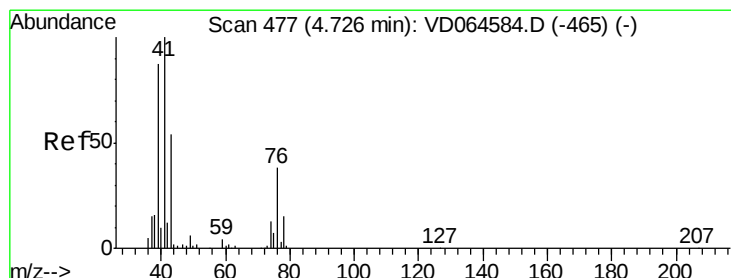
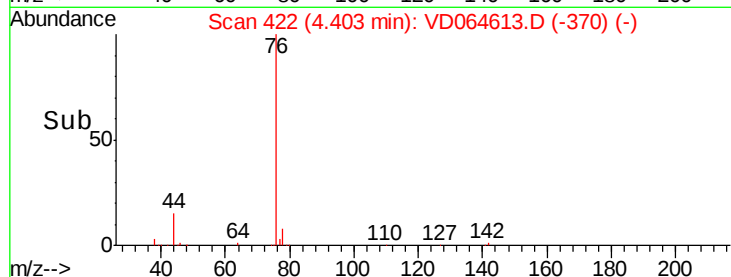
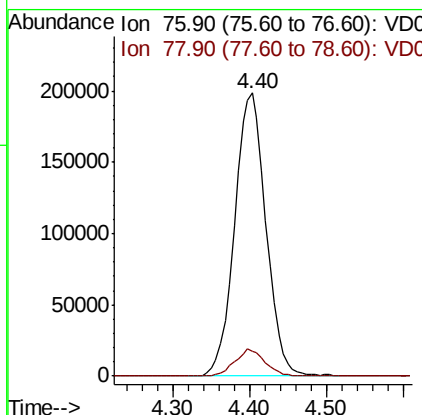
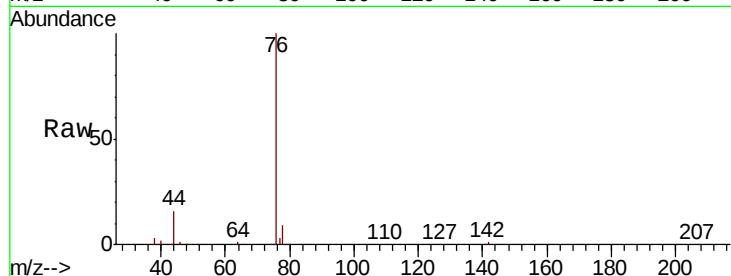




#17
Carbon Disulfide
Concen: 49.778 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

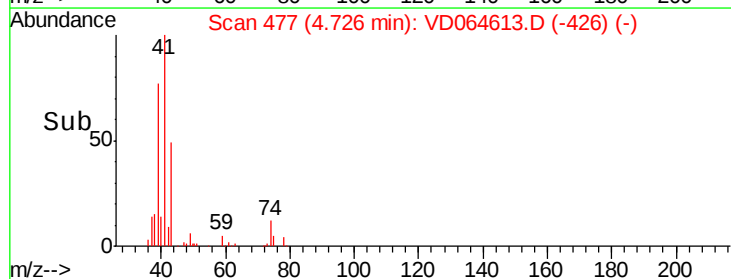
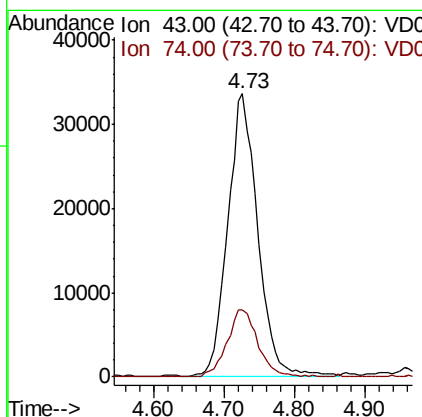
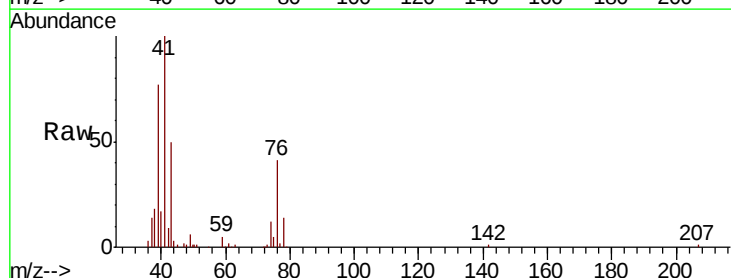
Instrument :
MSVOA_D
ClientSampled :
BFB

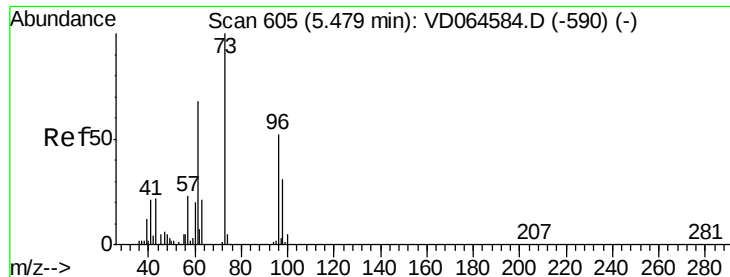
Tot Ion: 76 Resp: 563562
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 50.341 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 43 Resp: 99459
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

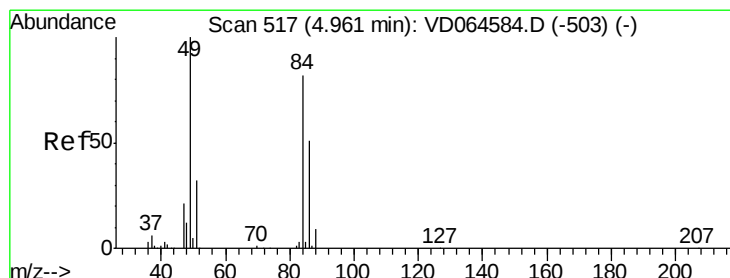
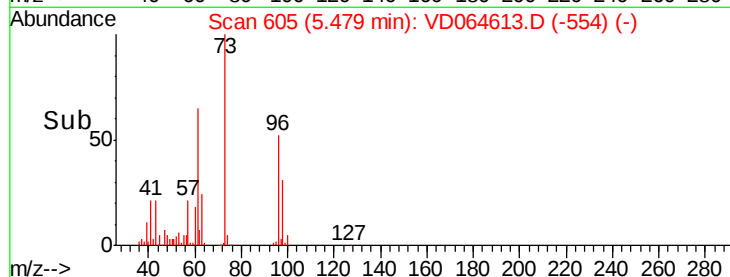
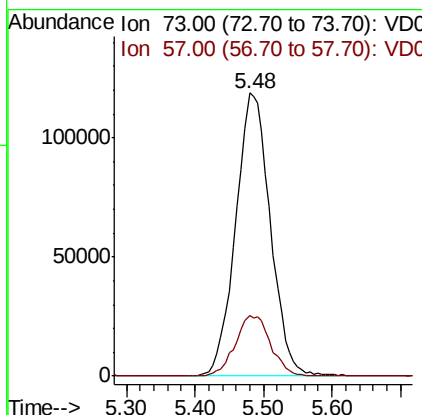
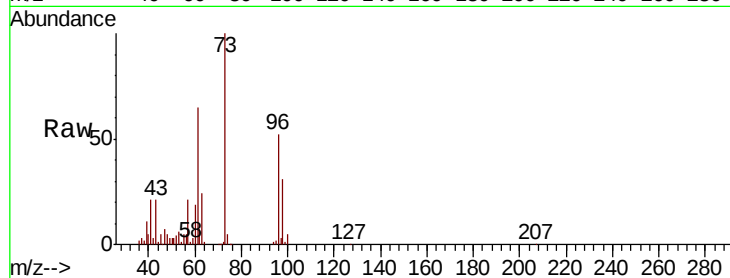




#19
Methvl tert-butvl Ether
Concen: 53.561 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

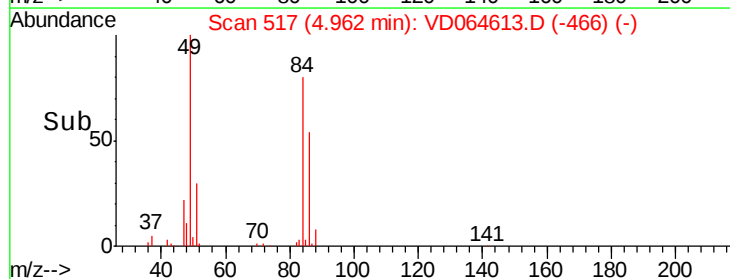
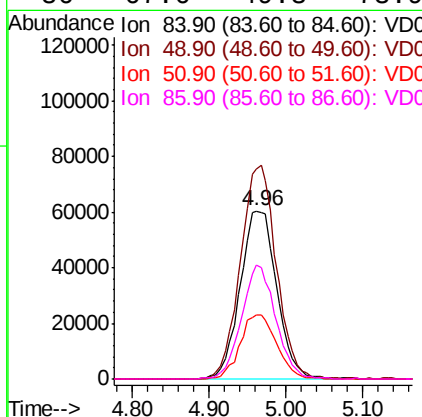
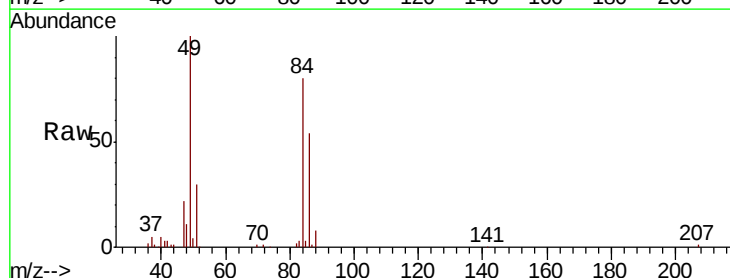
Instrument :
MSVOA_D
ClientSampleId :
BFB

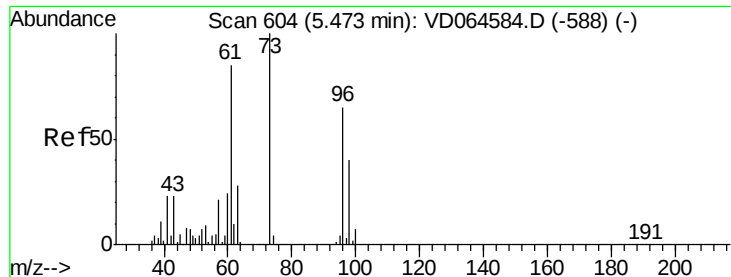
Tot Ion: 73 Resp: 416545
Ion Ratio Lower Upper
73 100
57 21.3 18.6 27.8



#20
Methylene Chloride
Concen: 56.804 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 84 Resp: 201486
Ion Ratio Lower Upper
84 100
49 125.2 97.2 145.8
51 38.0 31.4 47.0
86 67.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 51.665 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

BFB

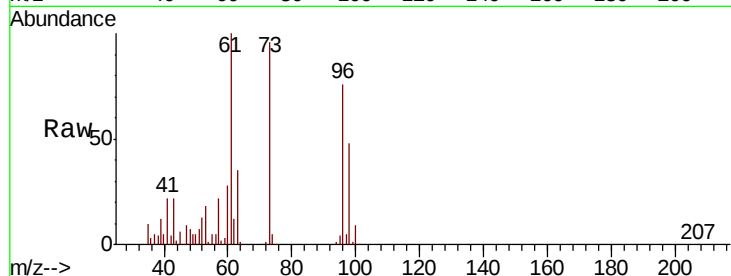
Tot Ion: 96 Resp: 206015

Ion Ratio Lower Upper

96 100

61 131.8 104.7 157.1

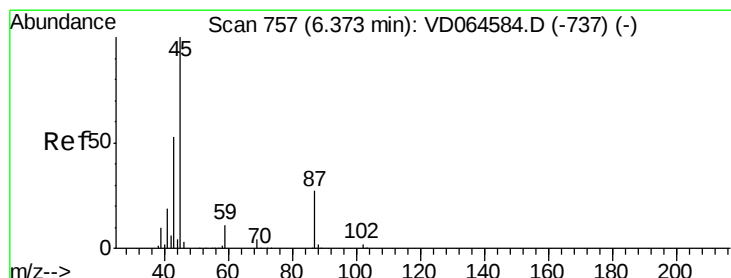
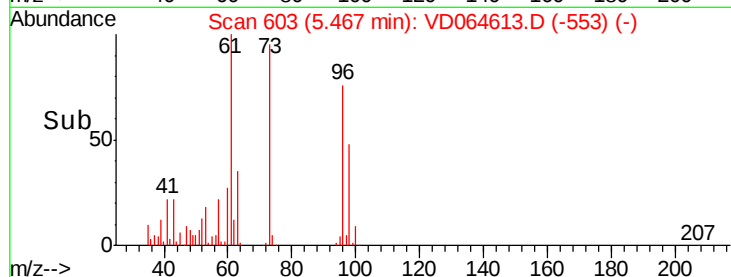
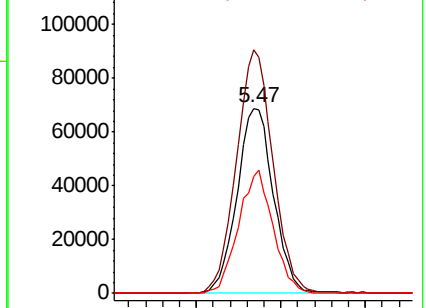
98 63.1 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.414 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Tgt Ion: 45 Resp: 581596

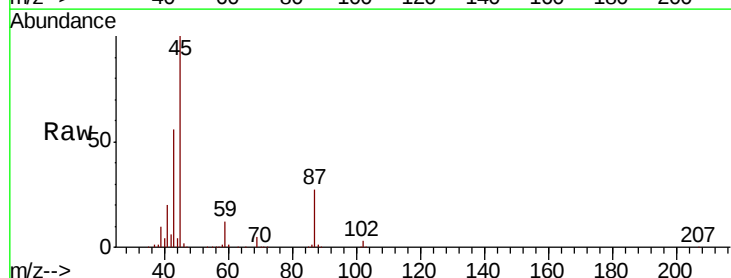
Ion Ratio Lower Upper

45 100

43 54.6 43.2 64.8

87 27.3 21.9 32.9

59 12.0 9.0 13.4

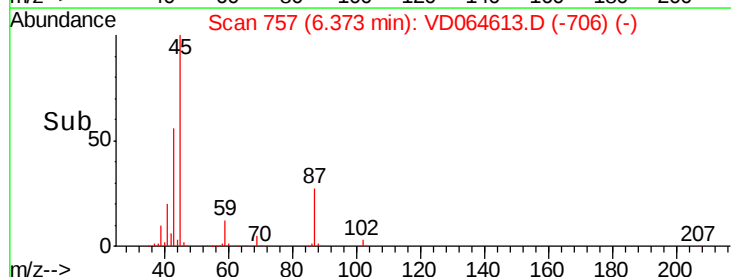
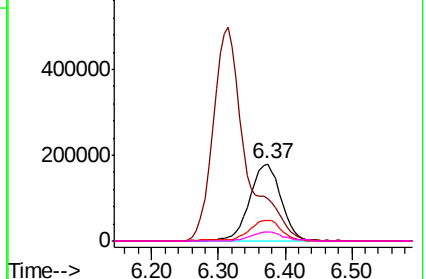


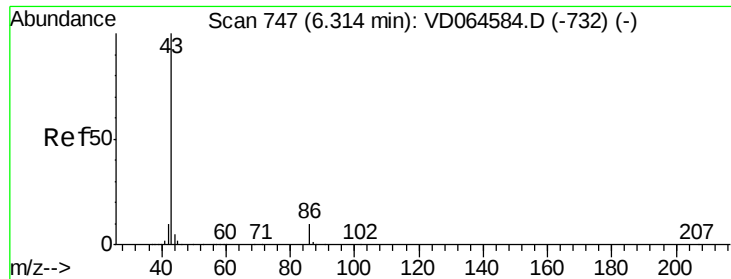
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 274.756 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampled :

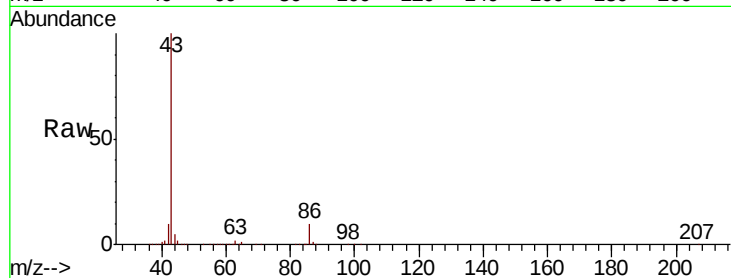
BFB

Tot Ion: 43 Resp: 1697060

Ion Ratio Lower Upper

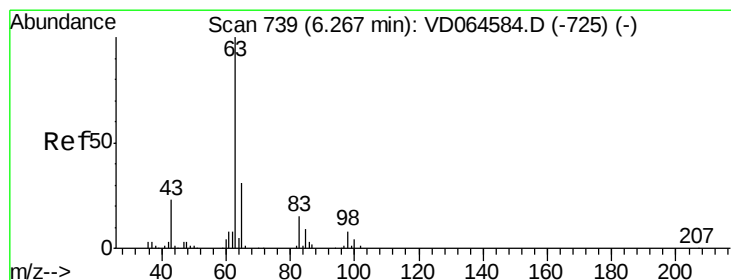
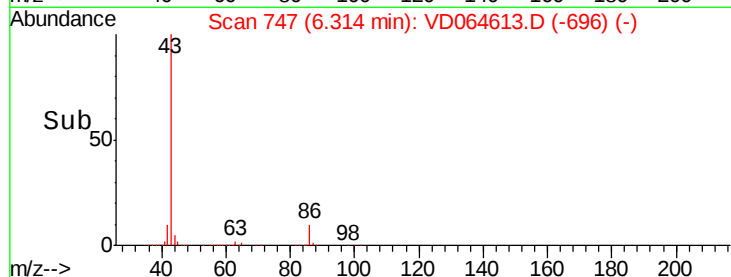
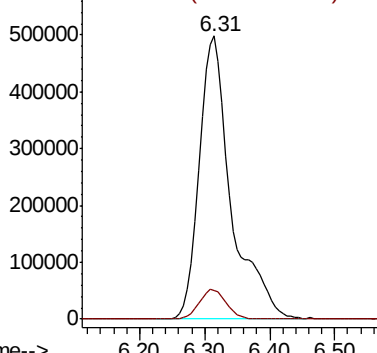
43 100

86 9.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.186 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

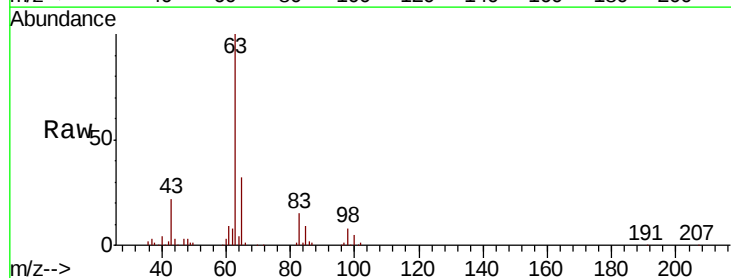
Tgt Ion: 63 Resp: 347663

Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

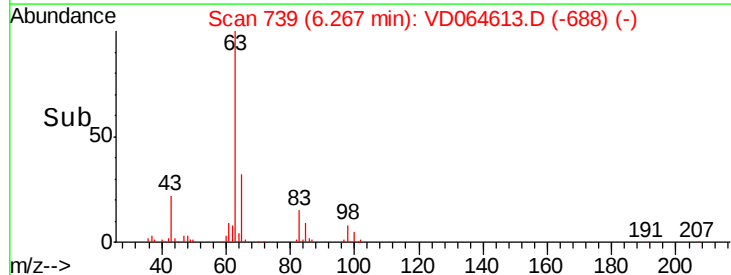
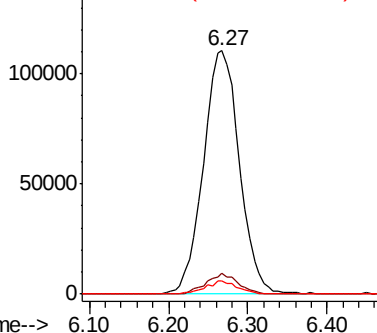
100 5.3 2.2 6.6

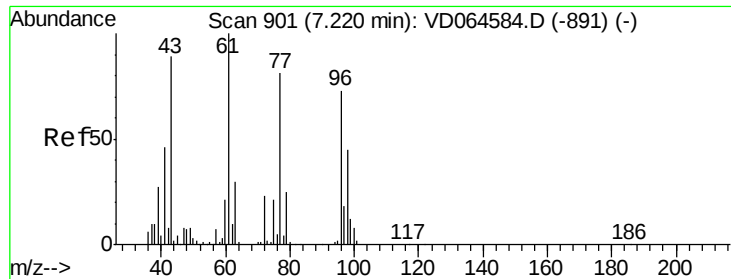


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 247.483 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

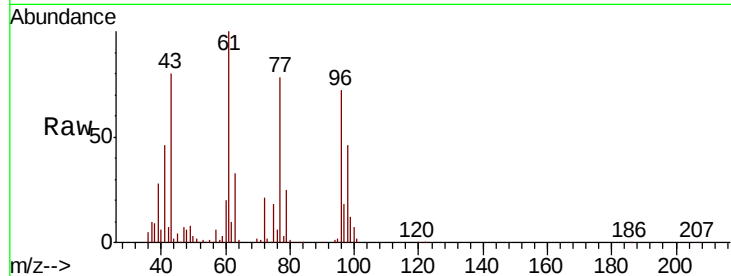
BFB

Tot Ion: 43 Resp: 238728

Ion Ratio Lower Upper

43 100

72 26.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

100000

80000

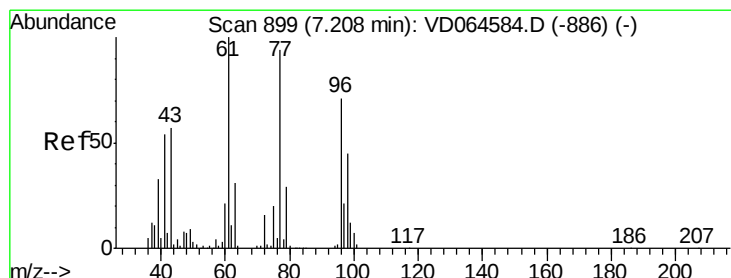
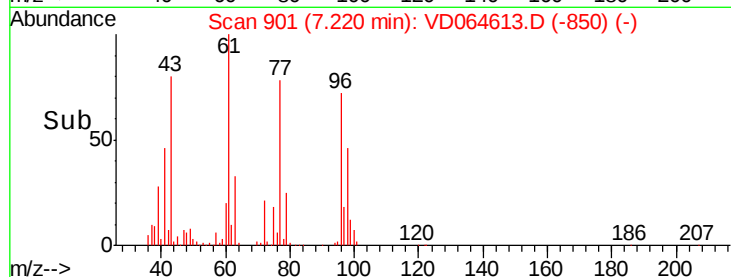
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.848 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064613.D

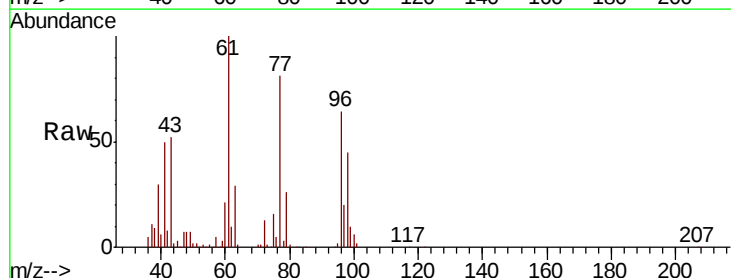
Acq: 26 Dec 2019 22:44

Tgt Ion: 77 Resp: 290799

Ion Ratio Lower Upper

77 100

97 23.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

100000

80000

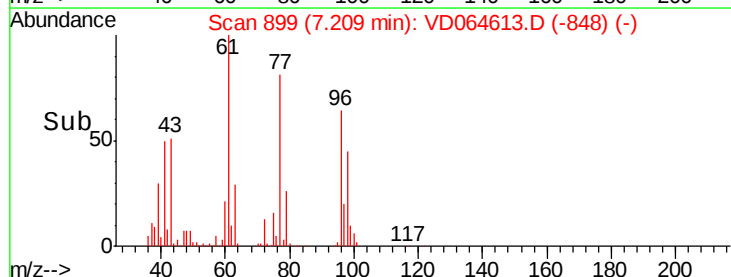
60000

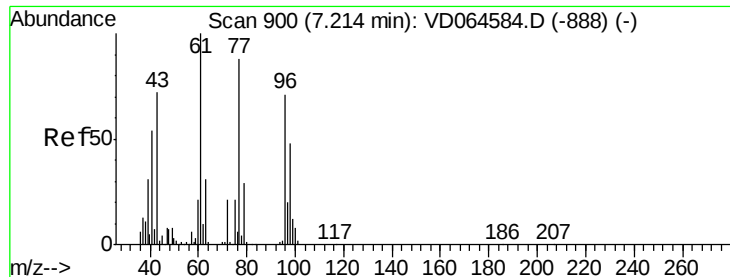
40000

20000

0

Time-->



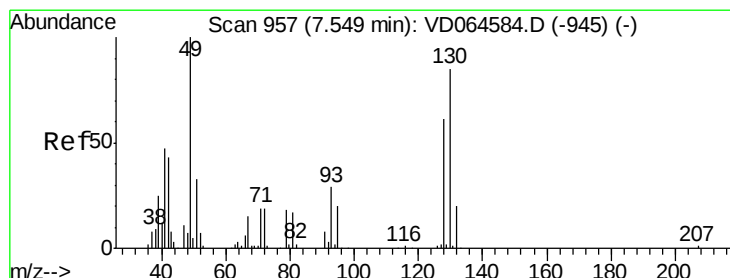
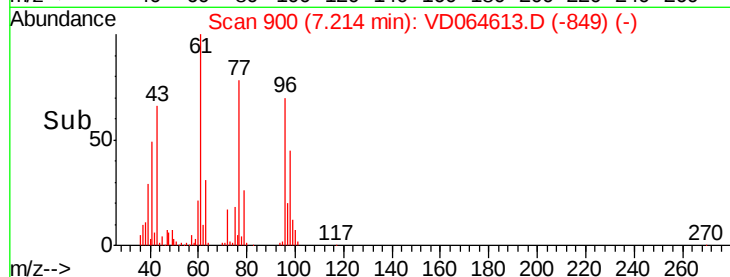
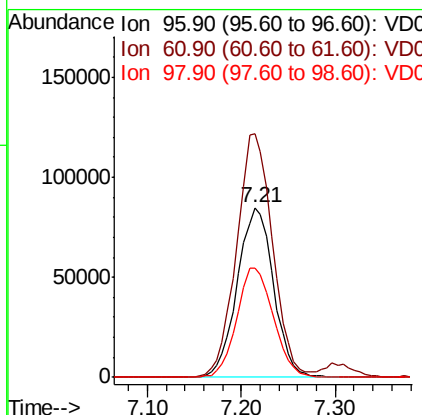
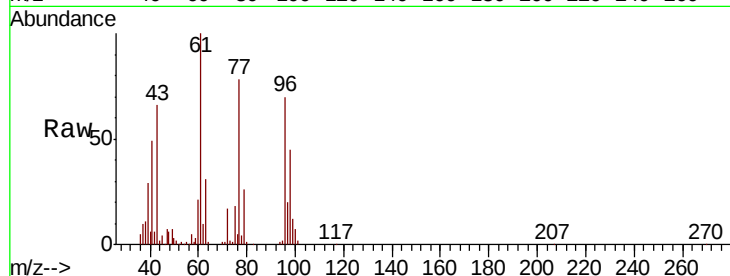


#27

cis-1,2-Dichloroethene
 Concen: 52.691 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

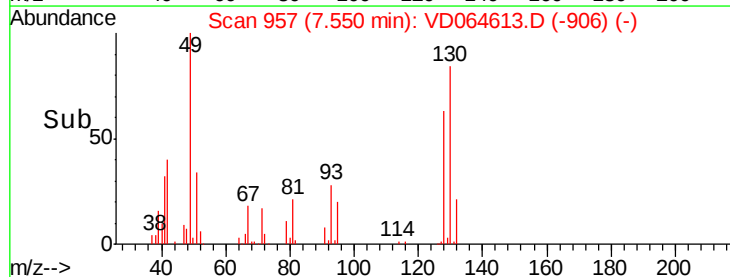
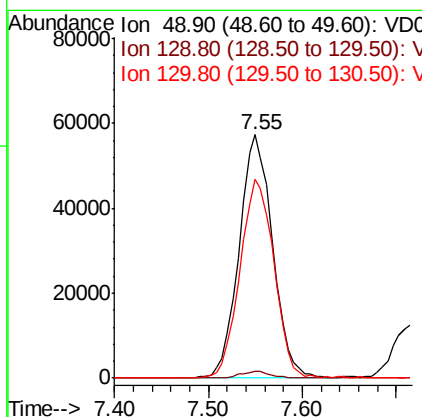
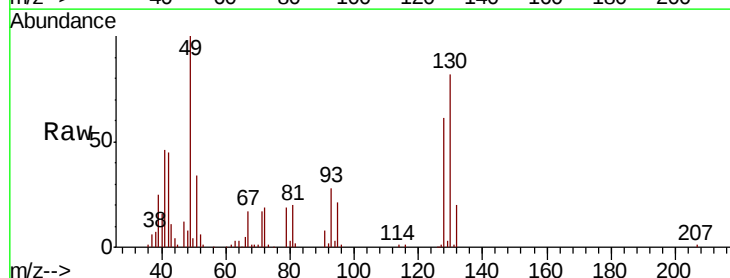
Tot Ion: 96 Resp: 226751
 Ion Ratio Lower Upper
 96 100
 61 142.5 0.0 282.6
 98 65.1 0.0 130.8

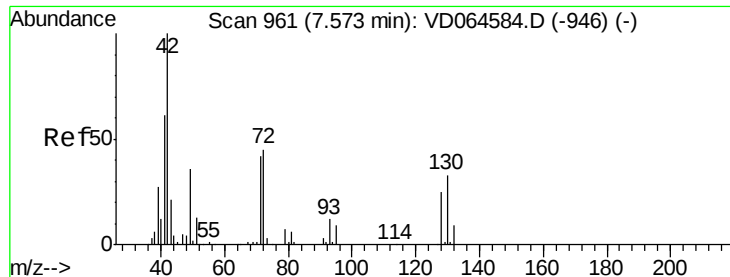


#28

Bromochloromethane
 Concen: 55.681 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Tgt Ion: 49 Resp: 141486
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 83.1 65.0 97.6

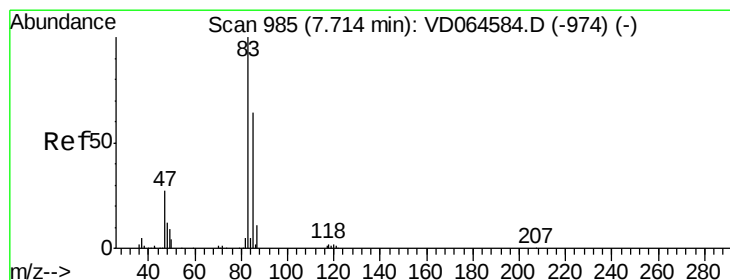
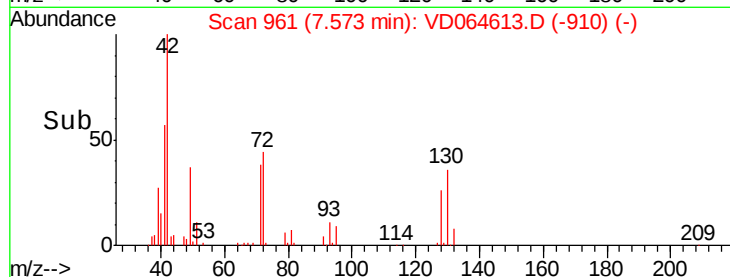
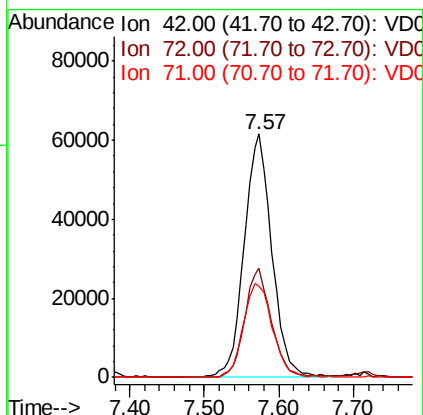
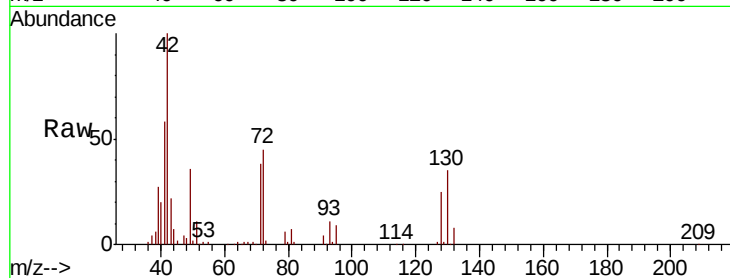




#29
Tetrahydrofuran
Concen: 265.236 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

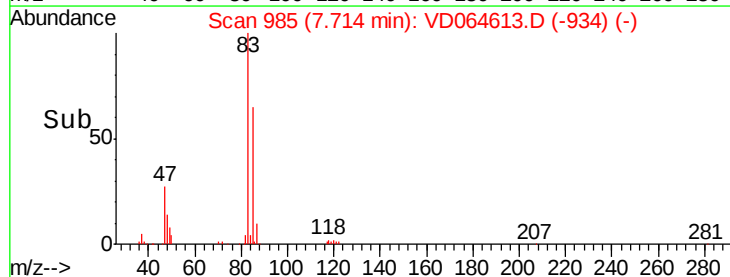
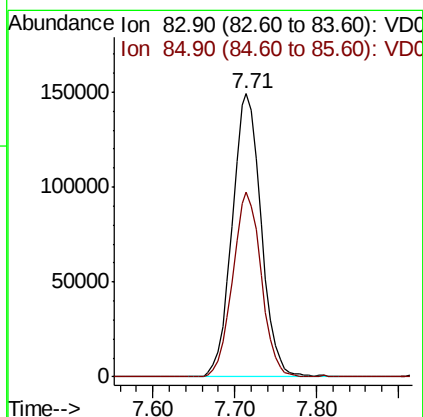
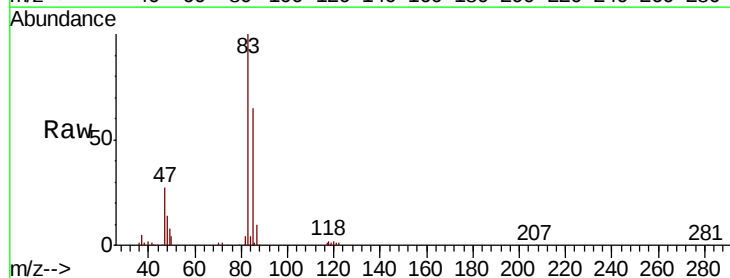
Instrument :
MSVOA_D
ClientSampleId :
BFB

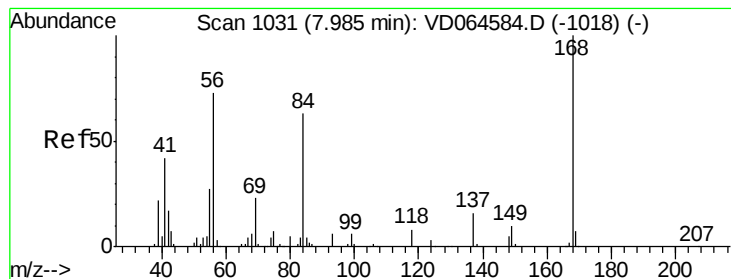
Tot Ion: 42 Resp: 159109
Ion Ratio Lower Upper
42 100
72 42.6 35.0 52.4
71 39.9 32.9 49.3



#30
Chloroform
Concen: 53.544 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 83 Resp: 367214
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7





#31

Cyclohexane

Concen: 45.715 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

BFB

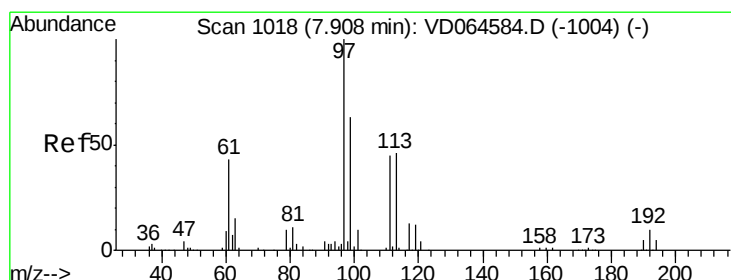
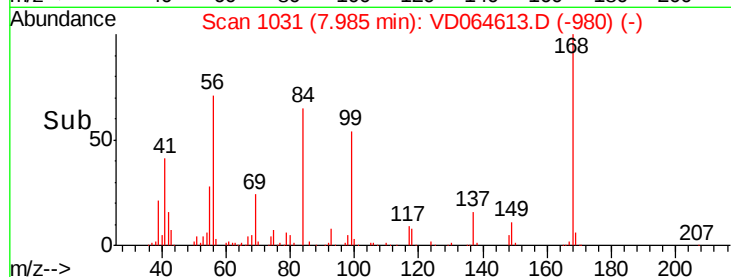
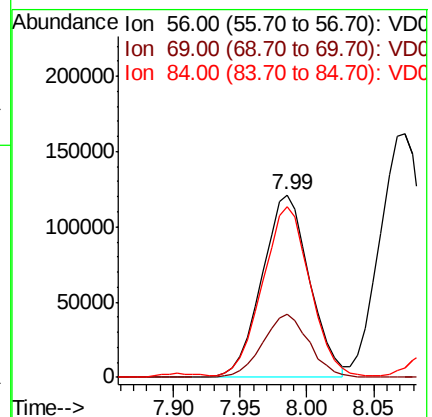
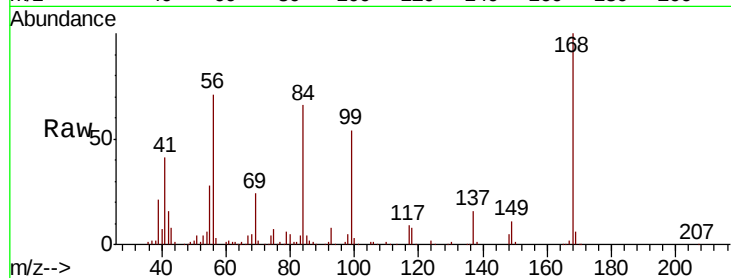
Tot Ion: 56 Resp: 299126

Ion Ratio Lower Upper

56 100

69 34.5 24.7 37.1

84 92.0 69.4 104.2



#32

1,1,1-Trichloroethane

Concen: 50.775 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

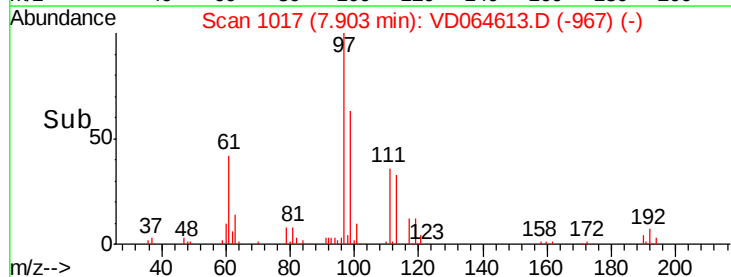
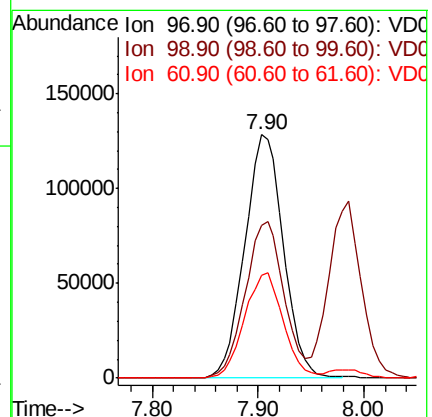
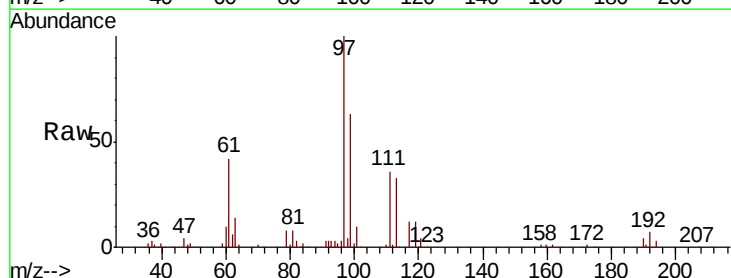
Tgt Ion: 97 Resp: 327074

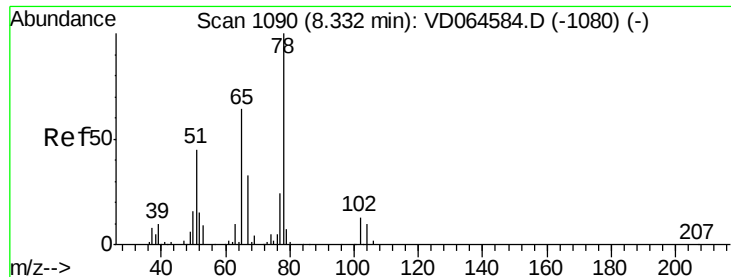
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 43.3 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 52.634 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

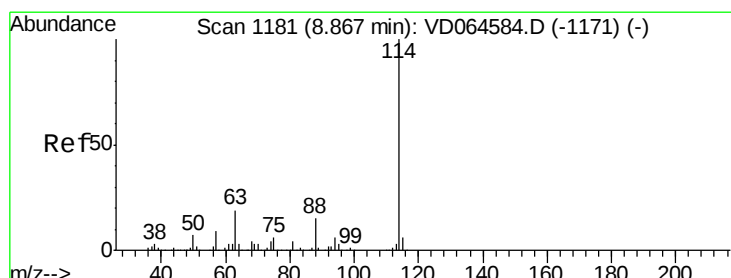
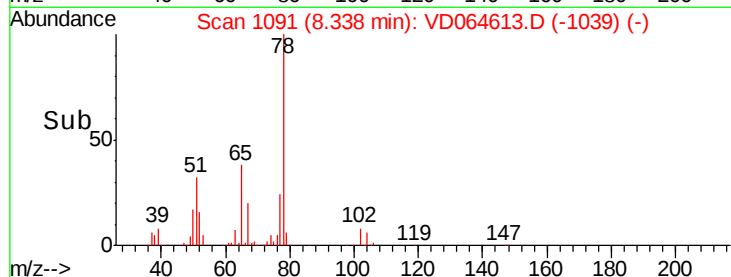
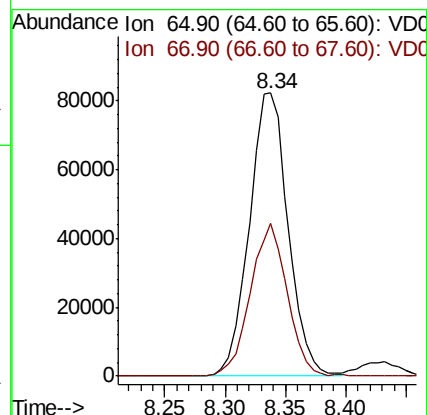
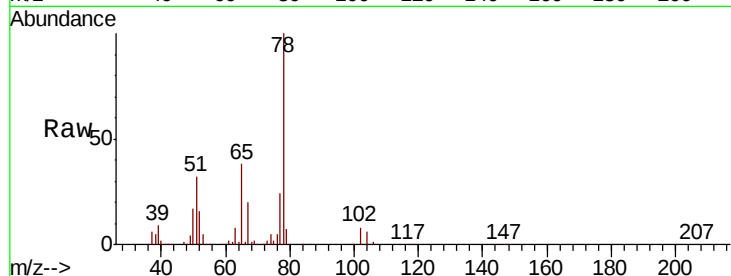
BFB

Tot Ion: 65 Resp: 184707

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

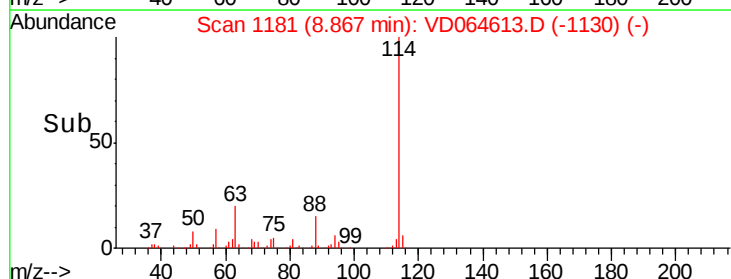
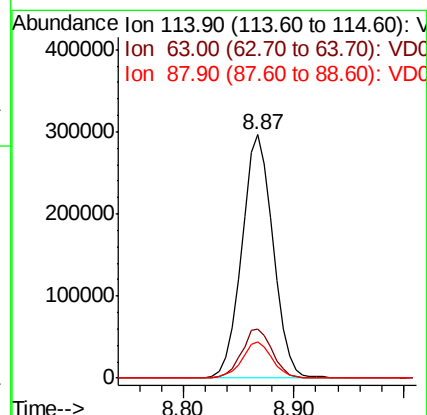
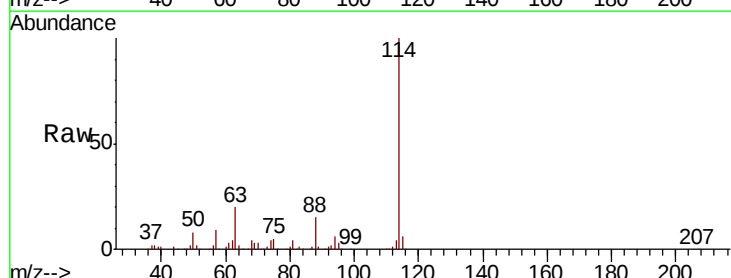
Tgt Ion: 114 Resp: 589677

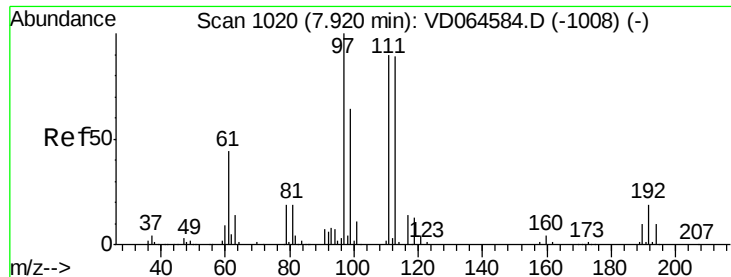
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

88 15.1 0.0 29.2

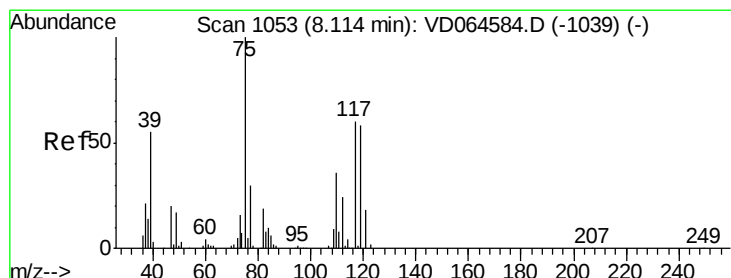
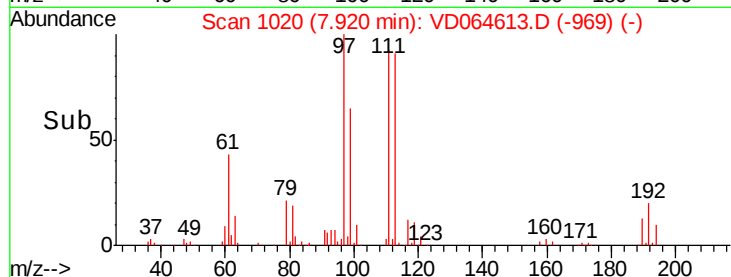
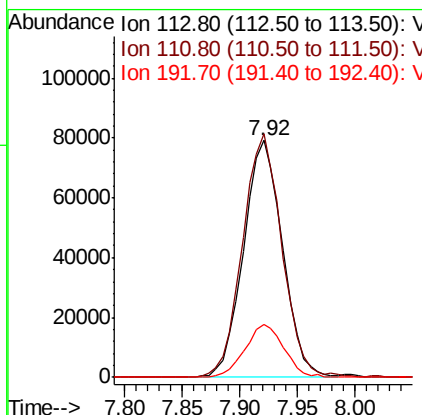
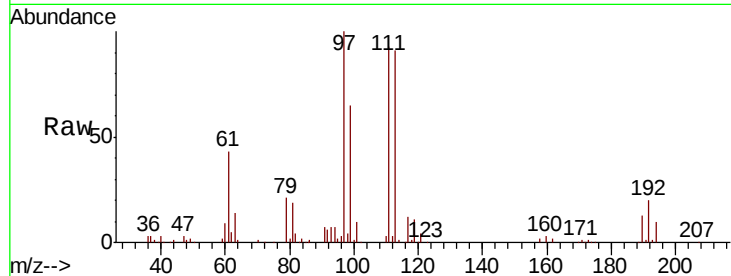




#35
Dibromofluoromethane
Concen: 51.536 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

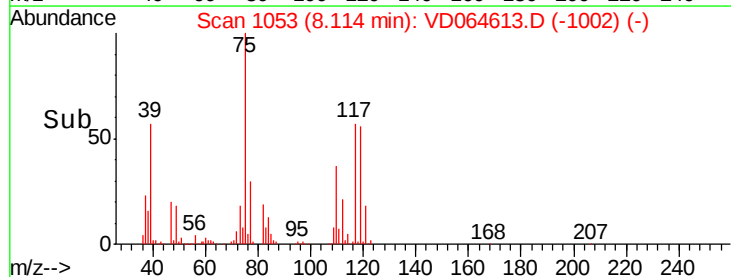
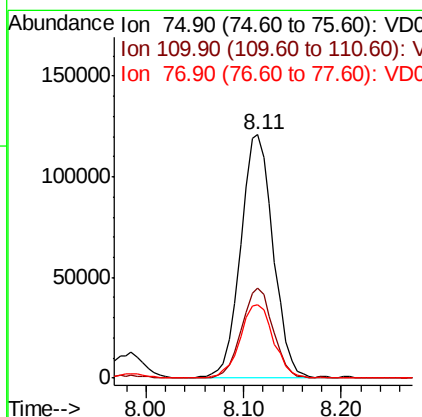
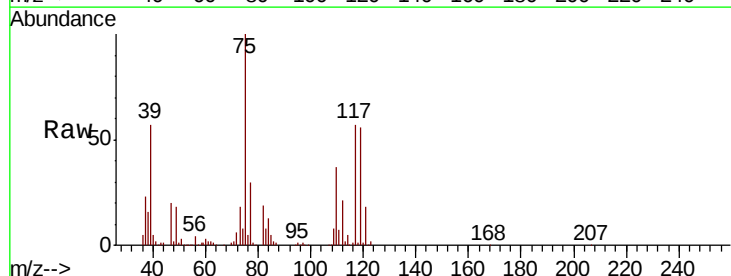
Instrument :
MSVOA_D
ClientSampled :
BFB

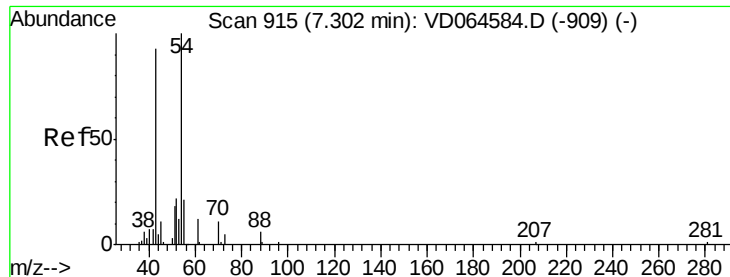
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.6	121.0
192	22.2	17.9	26.9



#36
1,1-Dichloropropene
Concen: 49.498 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.1
77	31.3	24.2	36.4

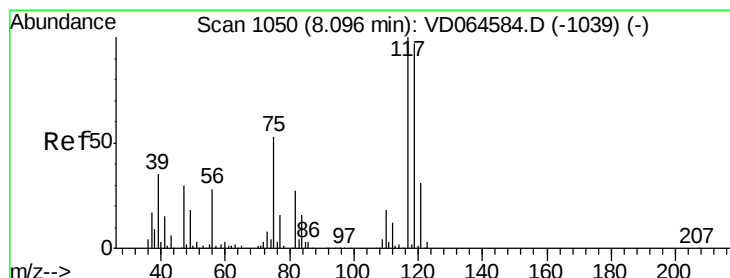
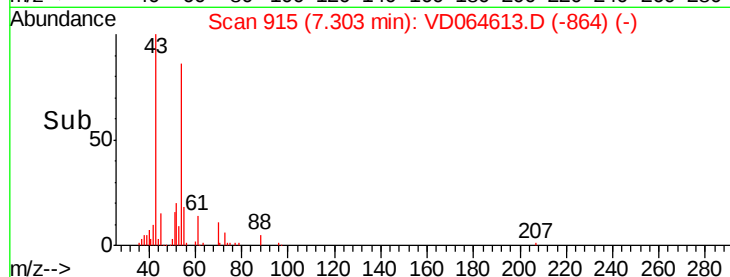
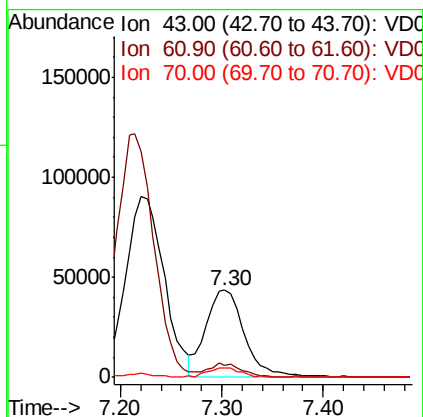
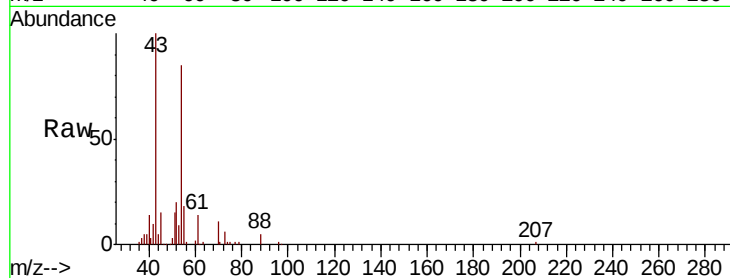




#37
Ethyl Acetate
Concen: 50.780 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

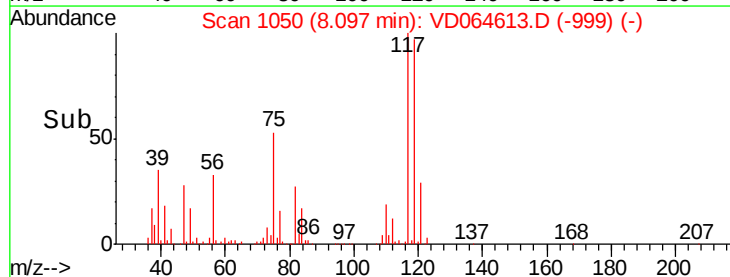
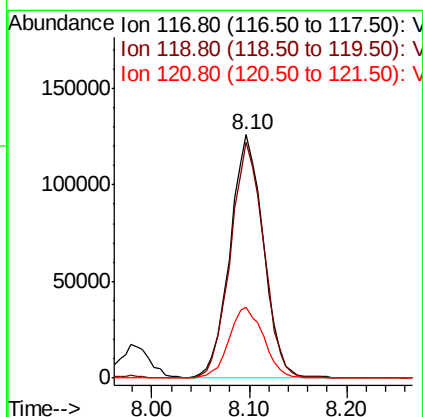
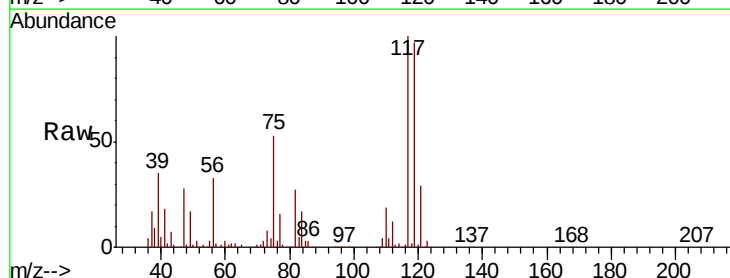
Instrument :
MSVOA_D
ClientSampleId :
BFB

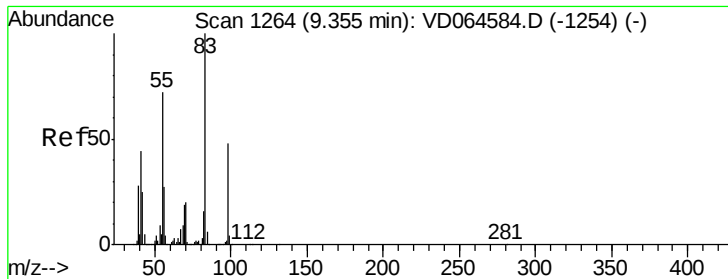
Tot Ion: 43 Resp: 113222
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.187 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 117 Resp: 297676
Ion Ratio Lower Upper
117 100
119 97.0 77.3 115.9
121 29.4 25.0 37.6

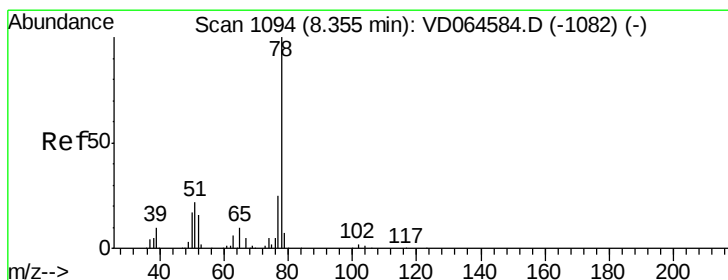
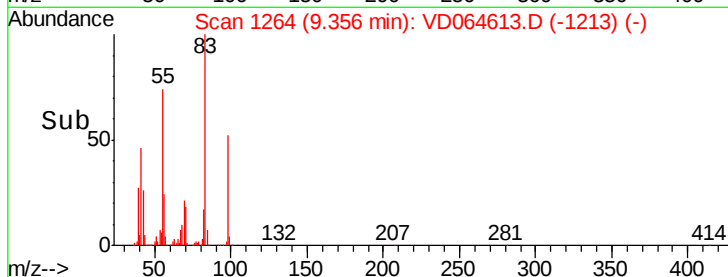
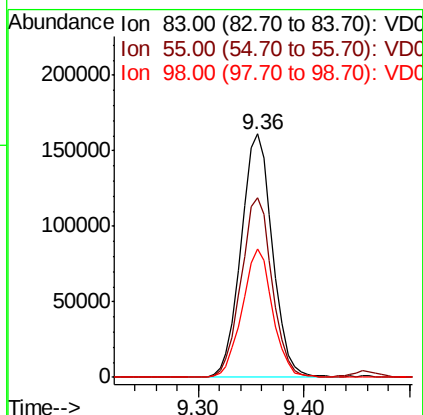
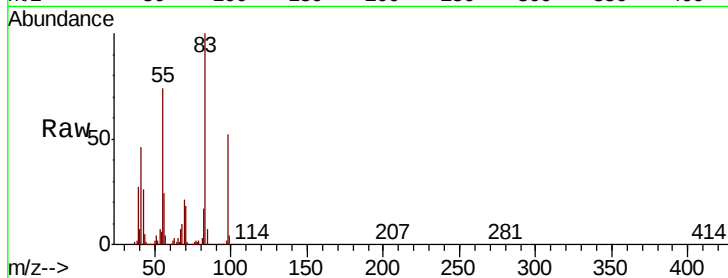




#39
Methvlcvclohexane
Concen: 48.383 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

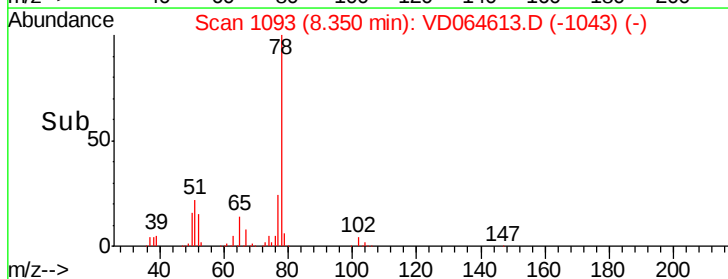
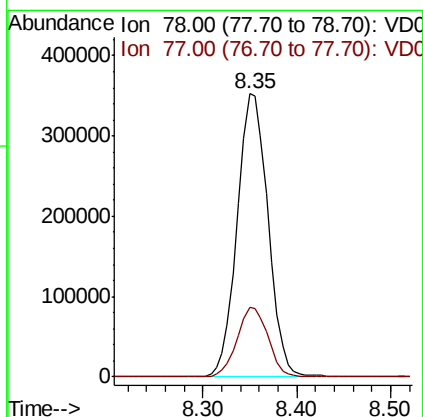
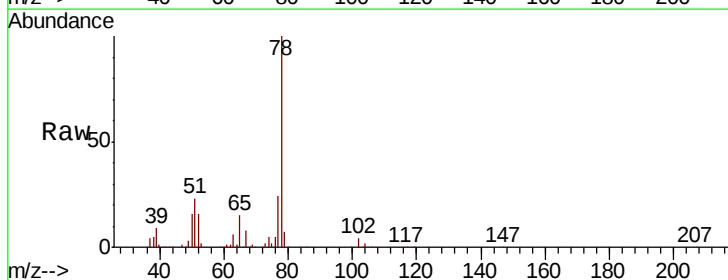
Instrument :
MSVOA_D
ClientSampleId :
BFB

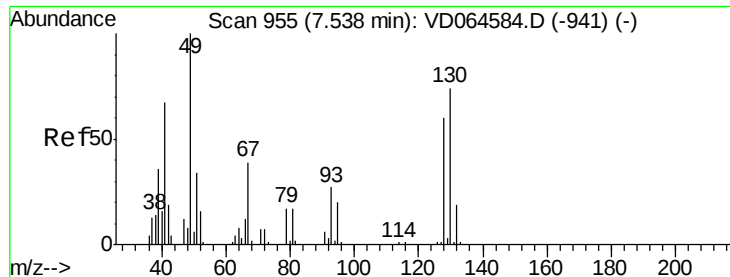
Tot Ion: 83 Resp: 332594
Ion Ratio Lower Upper
83 100
55 73.9 57.8 86.6
98 52.5 38.7 58.1



#40
Benzene
Concen: 51.917 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 78 Resp: 804385
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9

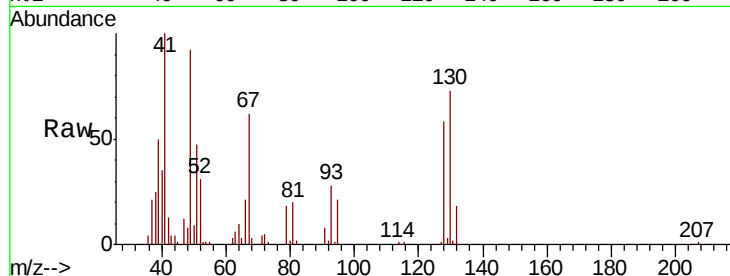




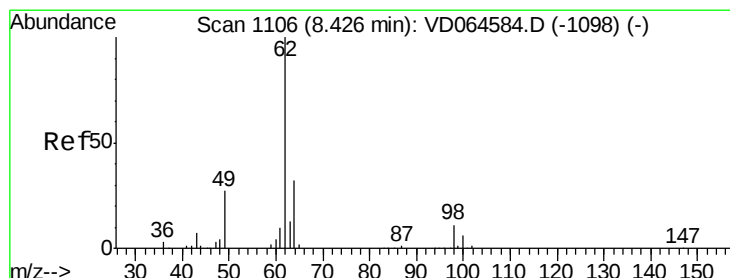
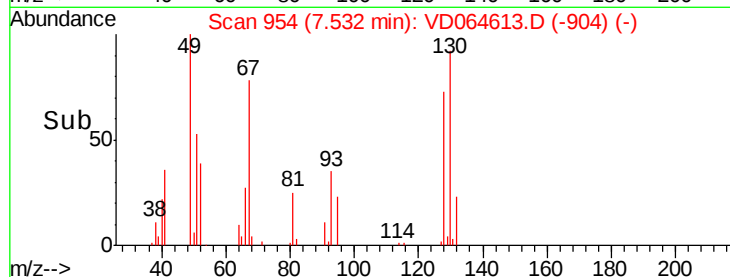
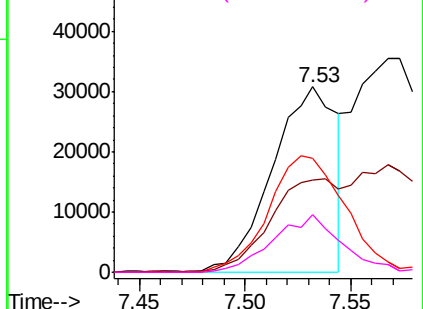
#41
Methacrylonitrile
Concen: 50.399 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion:	41	Resp:	65199
Ion	Ratio	Lower	Upper
41	100		
39	53.6	46.7	70.1
67	75.3	52.5	78.7
52	33.2	24.1	36.1

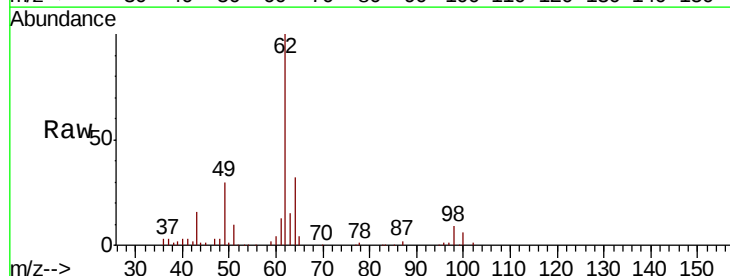


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

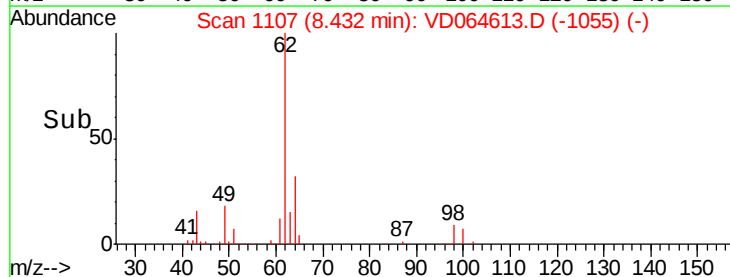
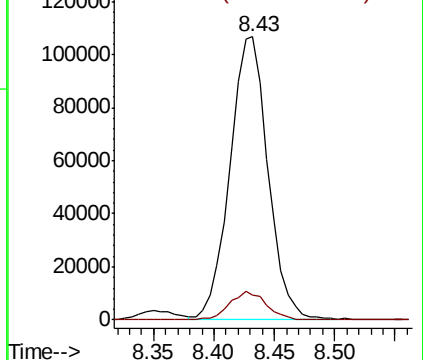


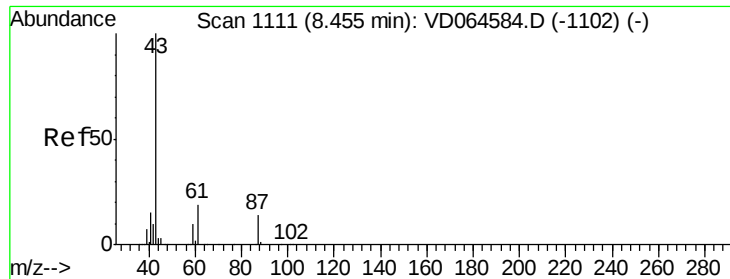
#42
1,2-Dichloroethane
Concen: 52.013 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion:	62	Resp:	232879
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



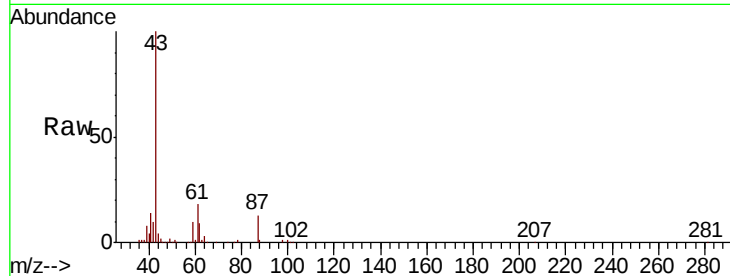


#43

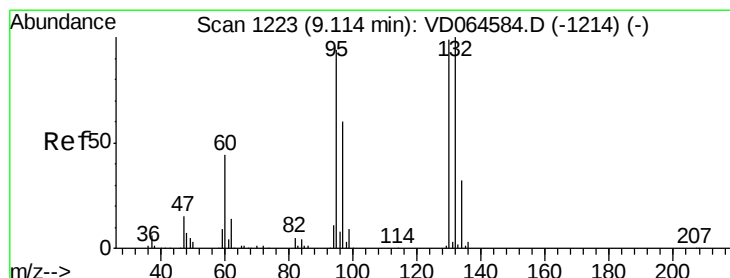
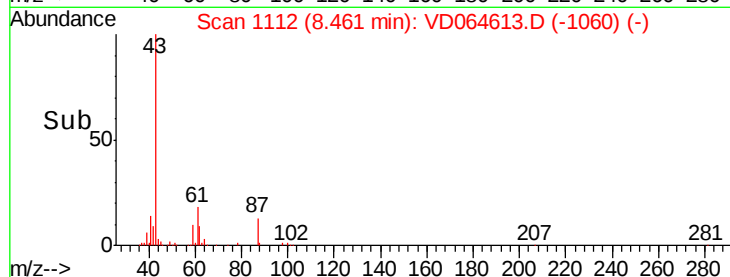
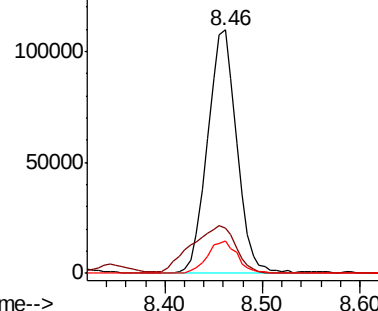
Isopropyl Acetate
 Concen: 51.442 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tot Ion: 43 Resp: 228301
 Ion Ratio Lower Upper
 43 100
 61 29.1 23.7 35.5
 87 13.6 10.5 15.7



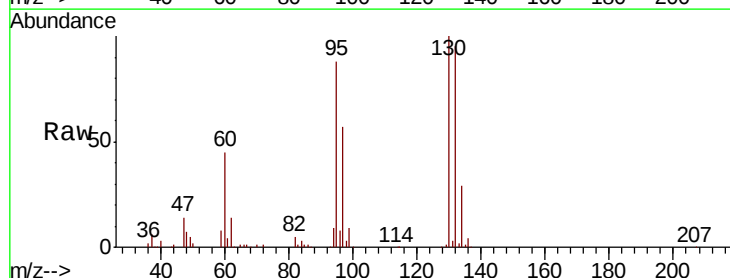
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



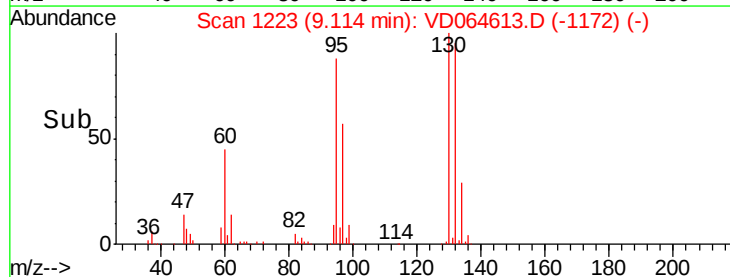
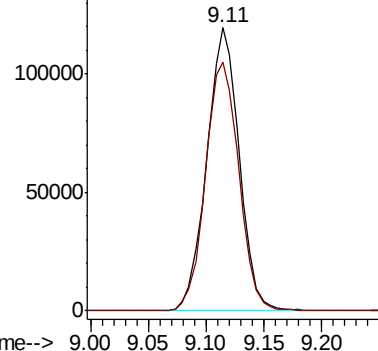
#44

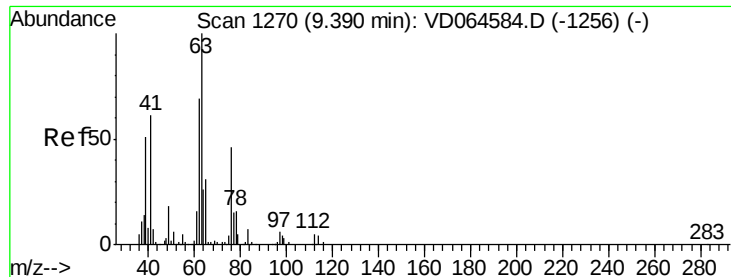
Trichloroethene
 Concen: 51.067 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Tgt Ion: 130 Resp: 232438
 Ion Ratio Lower Upper
 130 100
 95 87.9 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 51.978 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

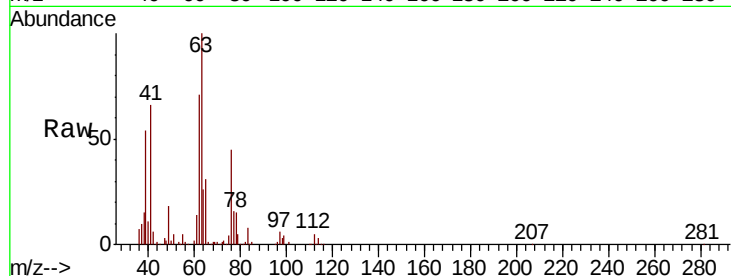
BFB

Tot Ion: 63 Resp: 192286

Ion Ratio Lower Upper

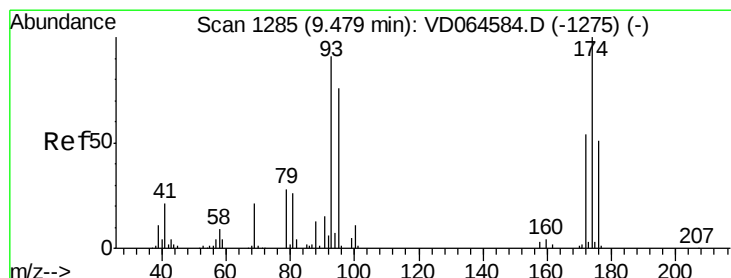
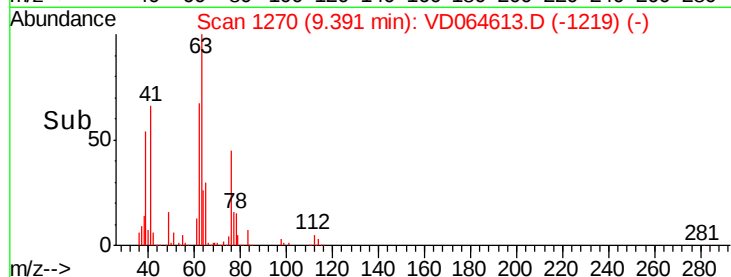
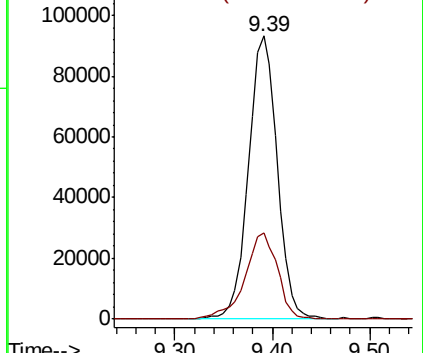
63 100

65 30.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.463 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

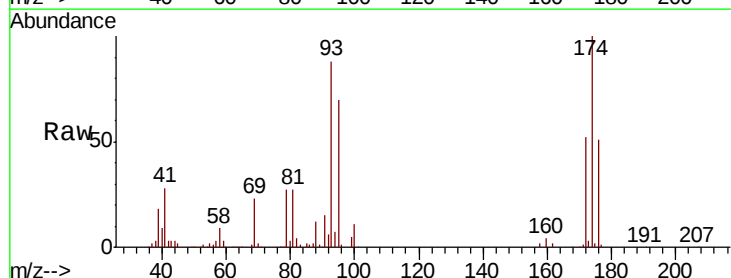
Tgt Ion: 93 Resp: 108205

Ion Ratio Lower Upper

93 100

95 82.7 64.6 97.0

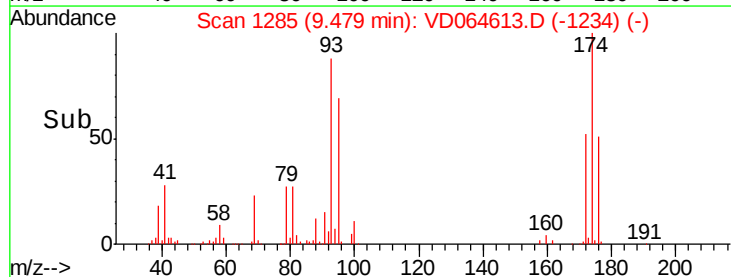
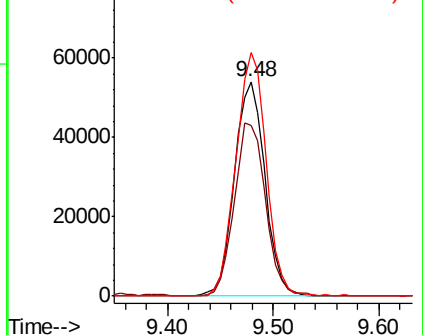
174 112.8 88.1 132.1

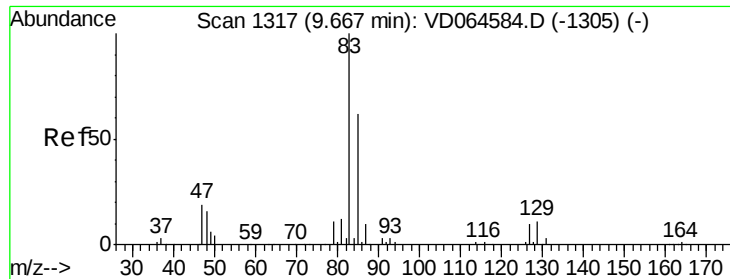


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.670 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

BFB

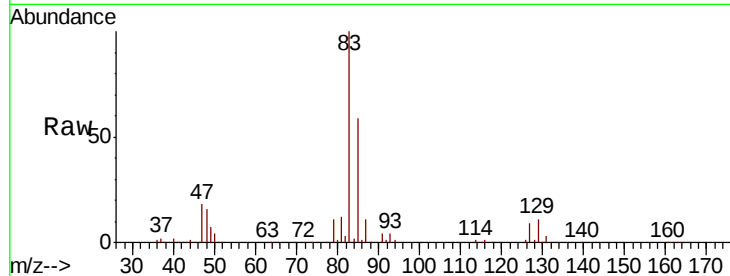
Tot Ion: 83 Resp: 289066

Ion Ratio Lower Upper

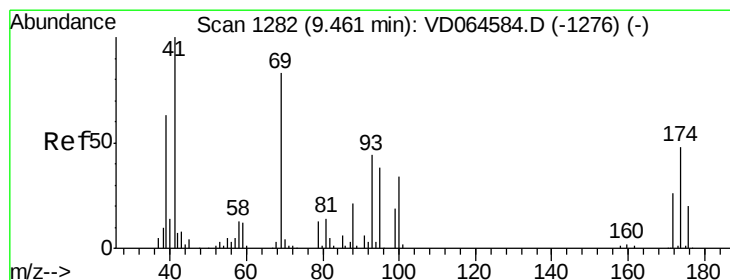
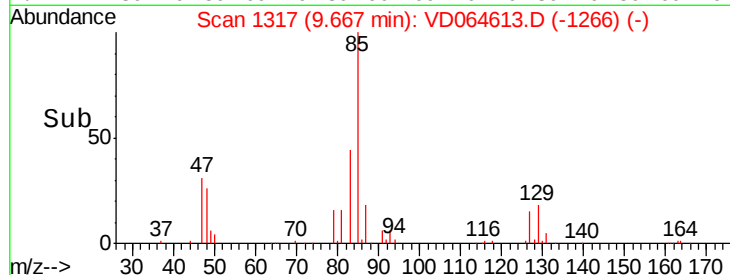
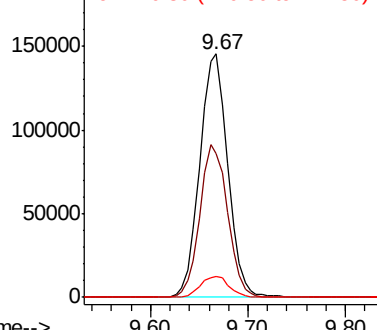
83 100

85 59.0 49.5 74.3

127 8.6 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.108 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

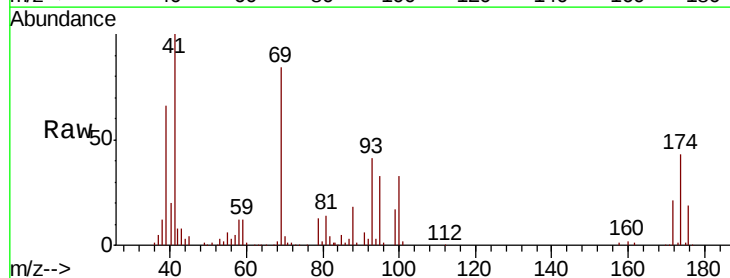
Tgt Ion: 41 Resp: 104709

Ion Ratio Lower Upper

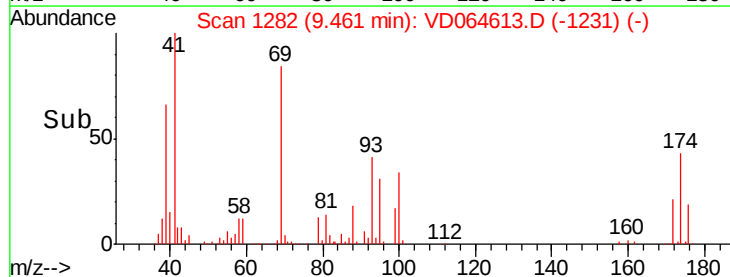
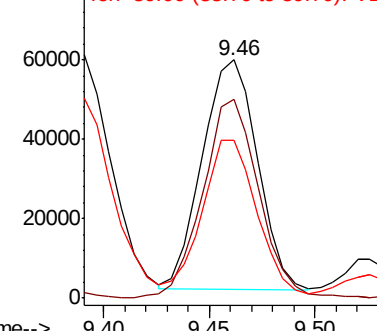
41 100

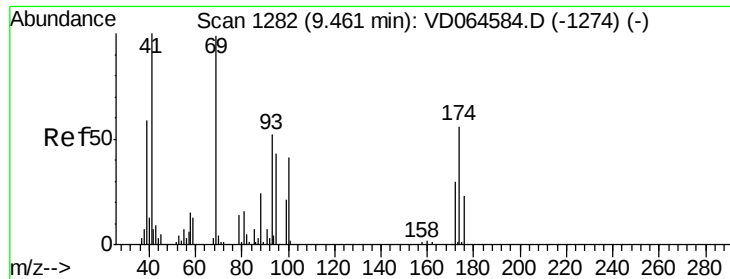
69 88.1 63.0 94.6

39 65.5 47.4 71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

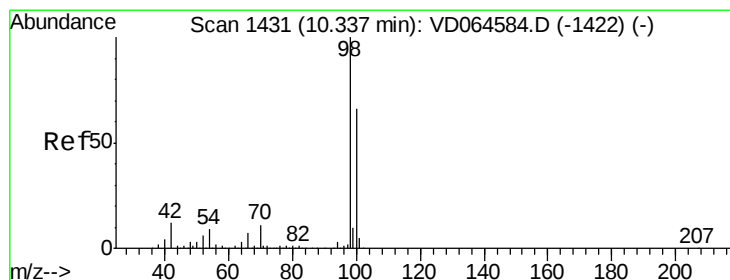
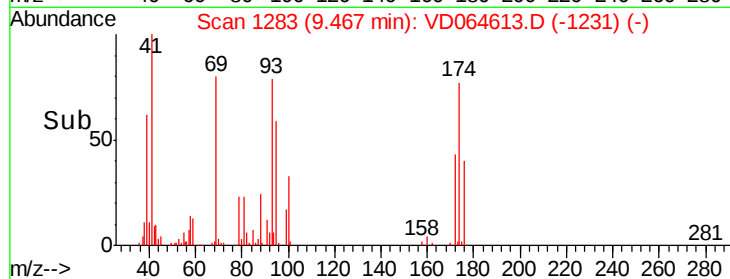
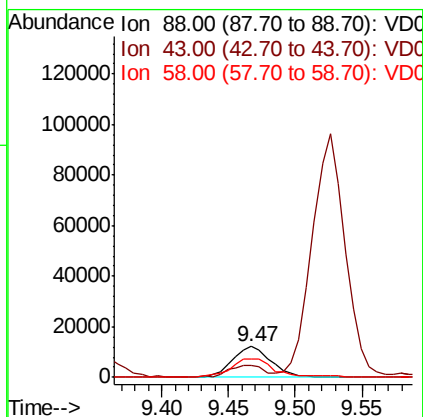
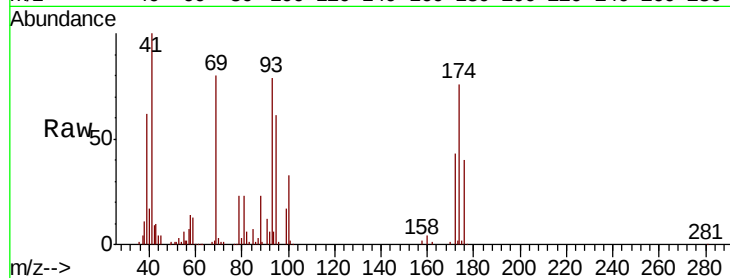




#49
1,4-Dioxane
Concen: 1039.137 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

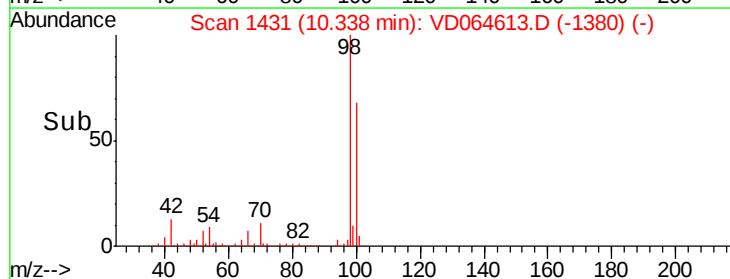
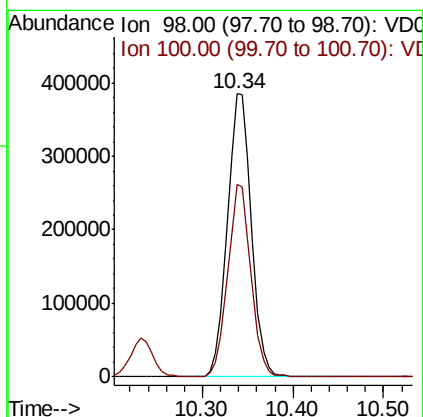
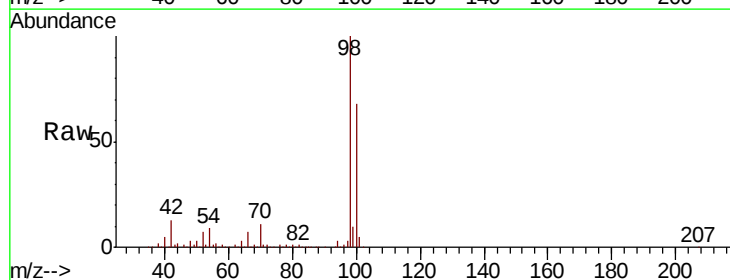
Instrument :
MSVOA_D
ClientSampleId :
BFB

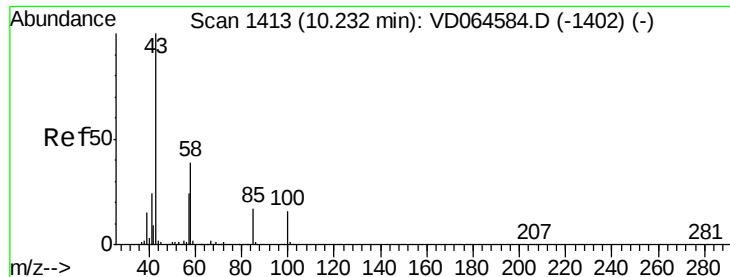
Tot Ion: 88 Resp: 24713
Ion Ratio Lower Upper
88 100
43 37.6 27.7 41.5
58 64.5 53.8 80.6



#50
Toluene-d8
Concen: 51.125 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 98 Resp: 708373
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5

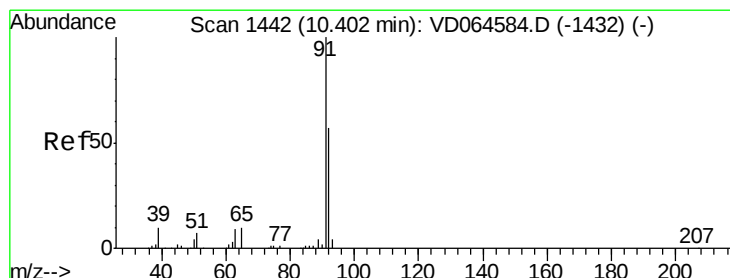
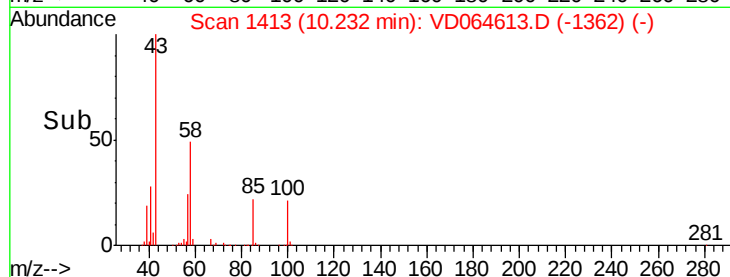
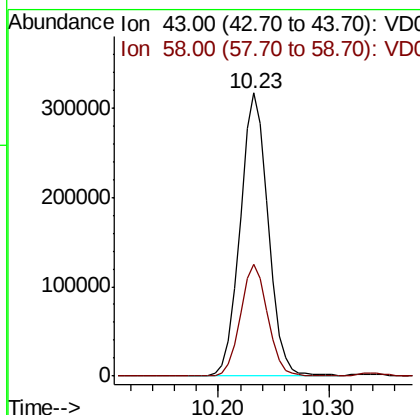
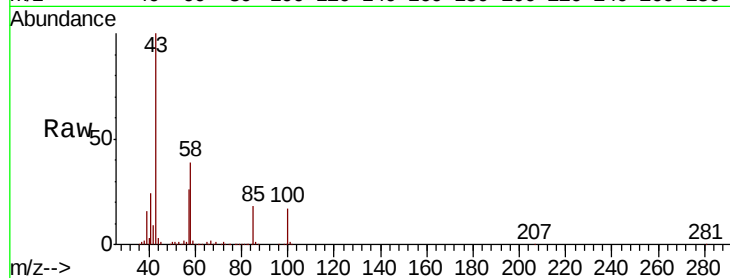




#51
4-Methyl-2-Pentanone
Concen: 257.177 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

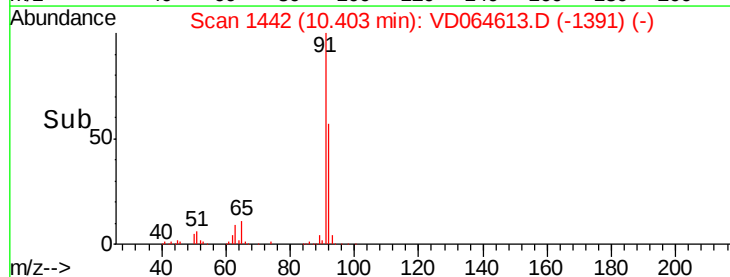
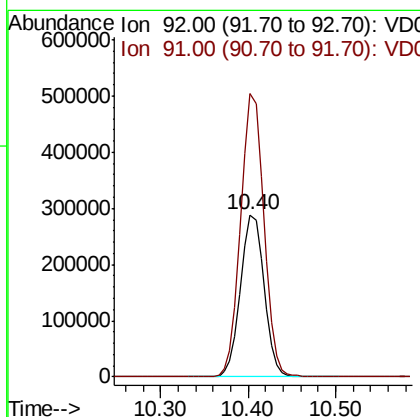
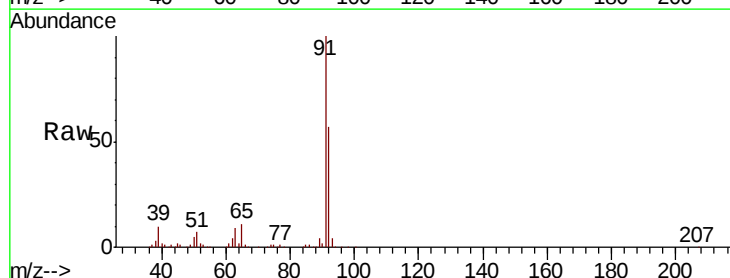
Instrument :
MSVOA_D
ClientSampleId :
BFB

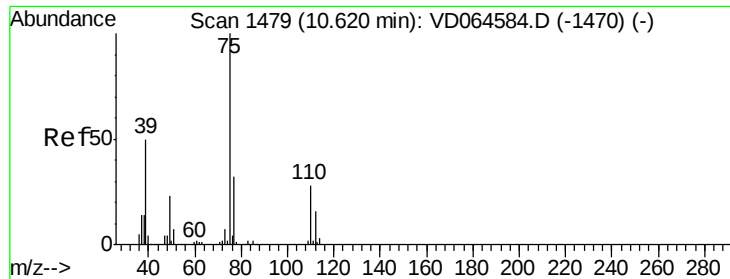
Tot Ion: 43 Resp: 564144
Ion Ratio Lower Upper
43 100
58 38.5 30.2 45.2



#52
Toluene
Concen: 51.572 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 92 Resp: 524240
Ion Ratio Lower Upper
92 100
91 172.1 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 52.538 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

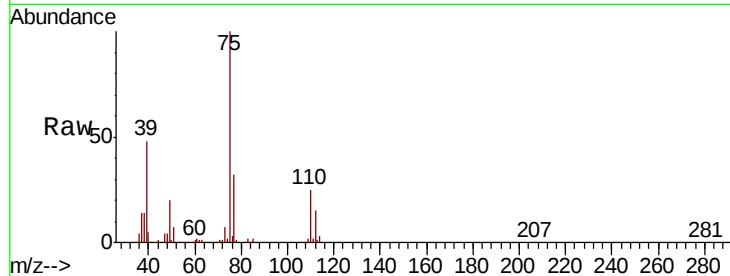
BFB

Tot Ion: 75 Resp: 268827

Ion Ratio Lower Upper

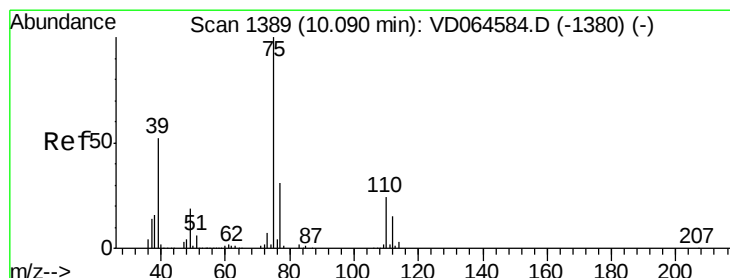
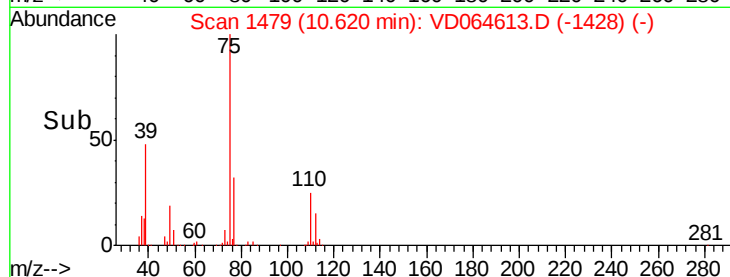
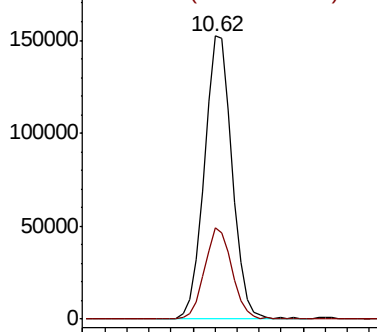
75 100

77 32.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.738 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

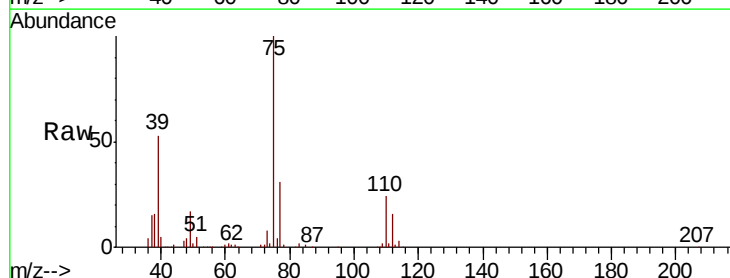
Tgt Ion: 75 Resp: 312159

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

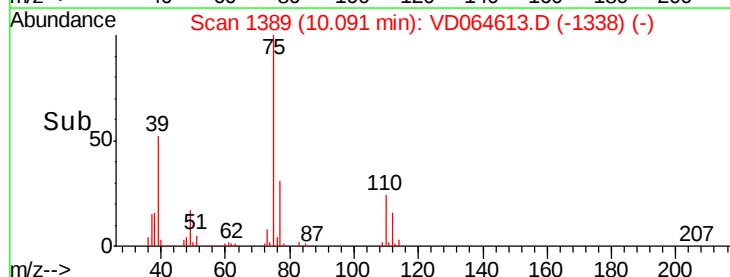
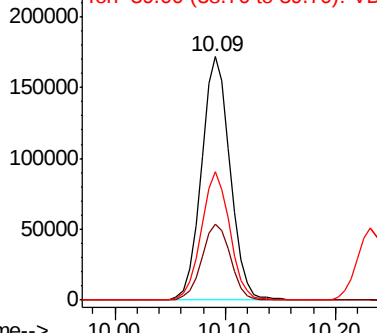
39 52.6 41.4 62.2

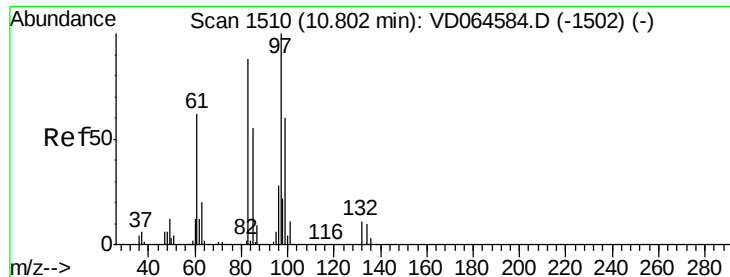


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

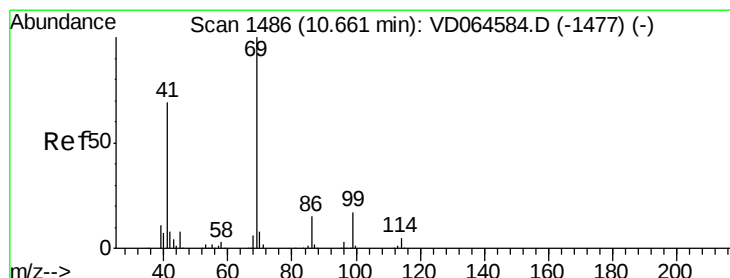
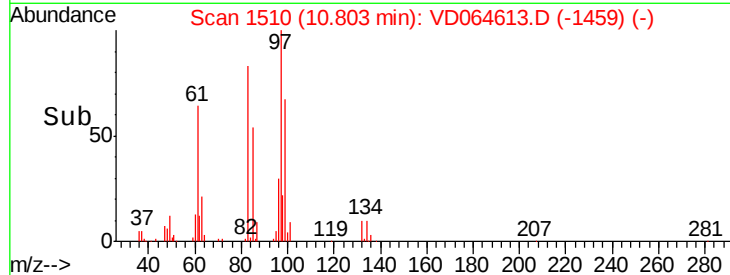
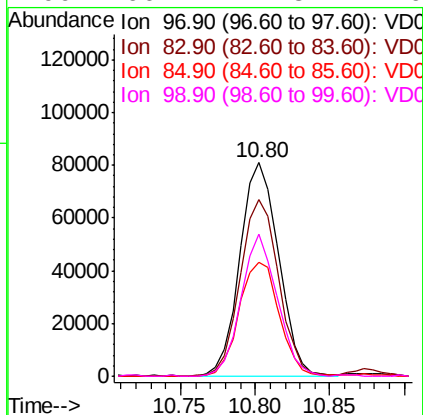
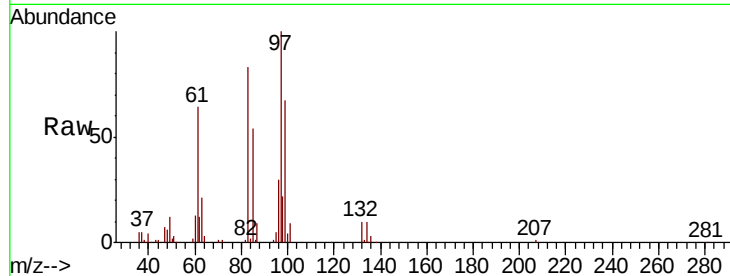




#55
 1,1,2-Trichloroethane
 Concen: 52.591 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

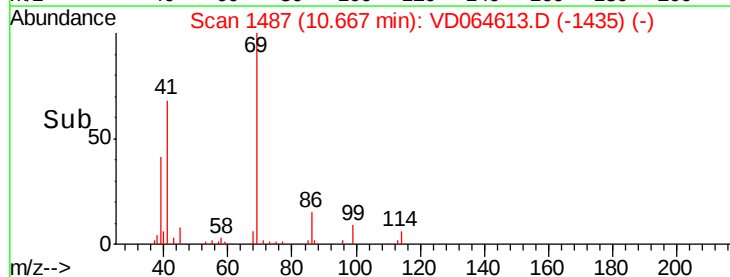
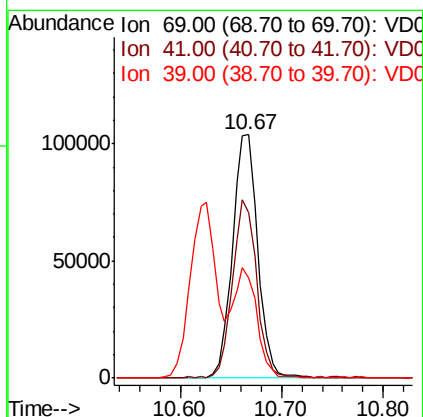
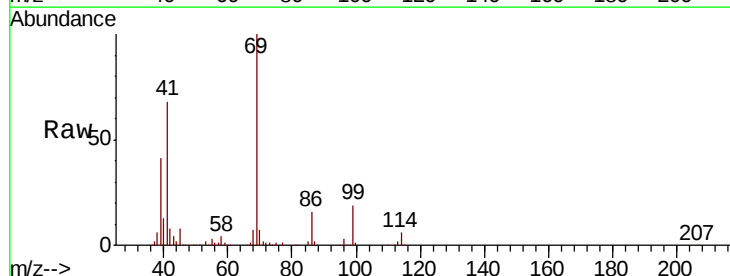
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

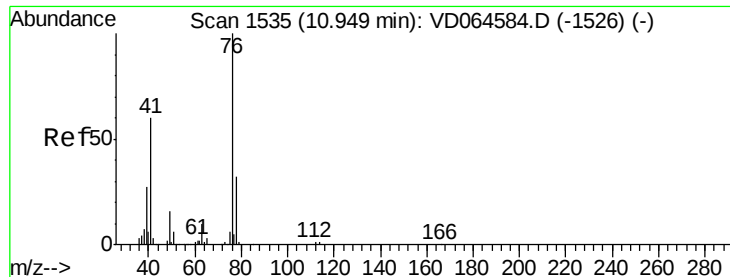
Tot Ion: 97 Resp: 146182
 Ion Ratio Lower Upper
 97 100
 83 82.7 70.2 105.4
 85 53.5 44.0 66.0
 99 66.7 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 52.039 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Tgt Ion: 69 Resp: 180645
 Ion Ratio Lower Upper
 69 100
 41 68.9 55.3 82.9
 39 42.6 33.8 50.8





#57

1,3-Dichloropropane

Concen: 51.717 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

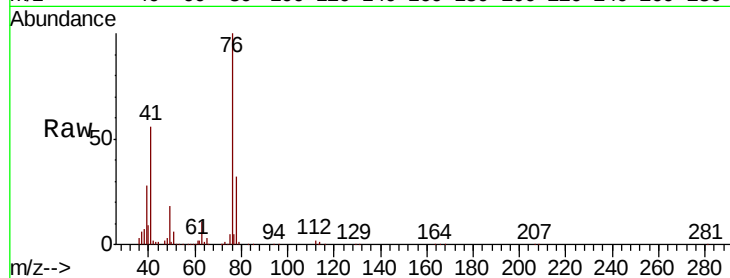
BFB

Tot Ion: 76 Resp: 247511

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

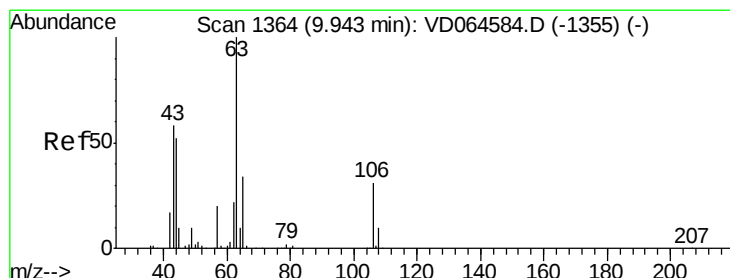
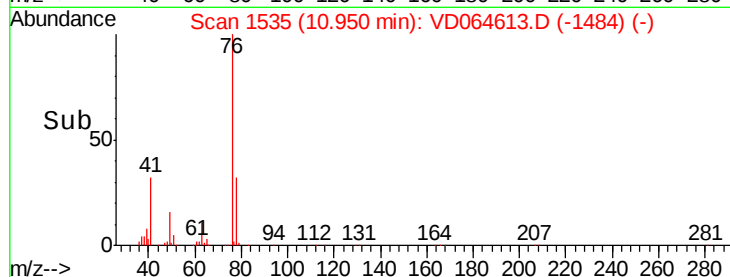
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.729 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064613.D

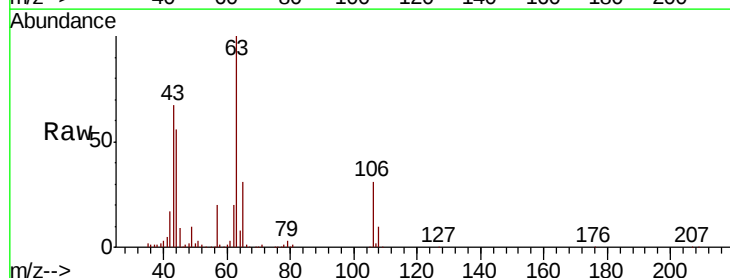
Acq: 26 Dec 2019 22:44

Tgt Ion: 63 Resp: 313088

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

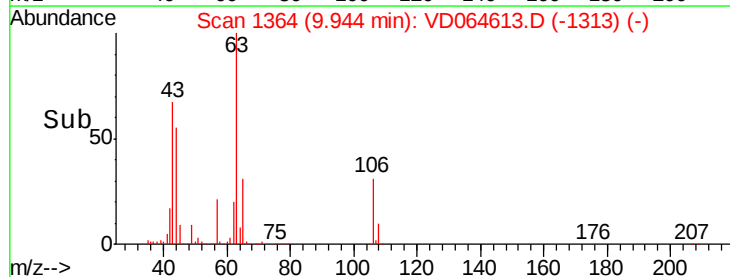
150000

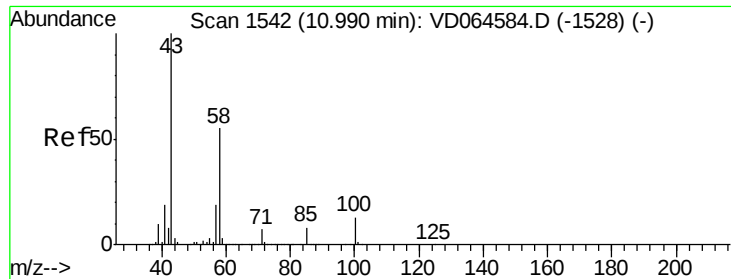
100000

50000

0

Time-->

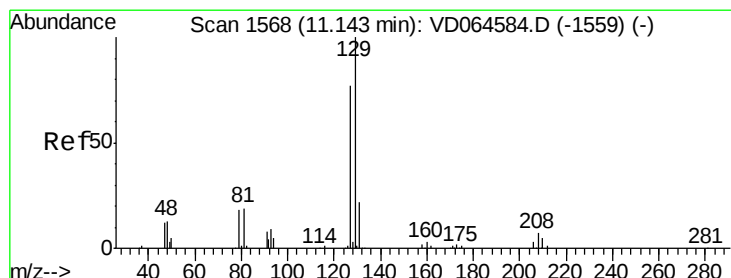
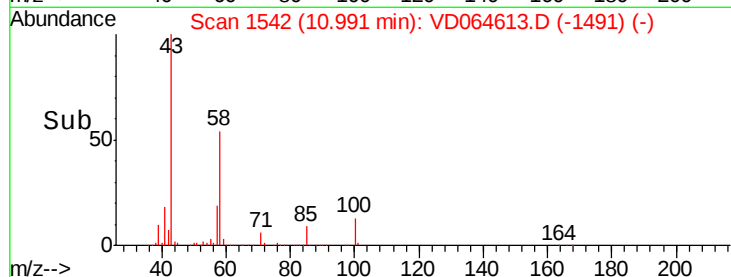
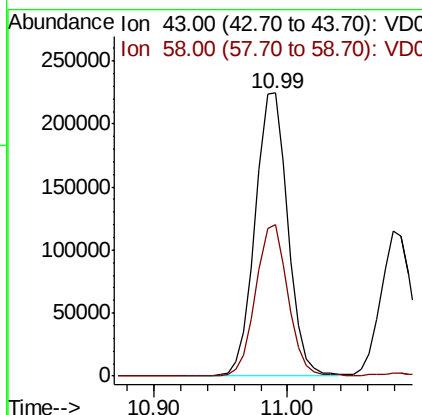
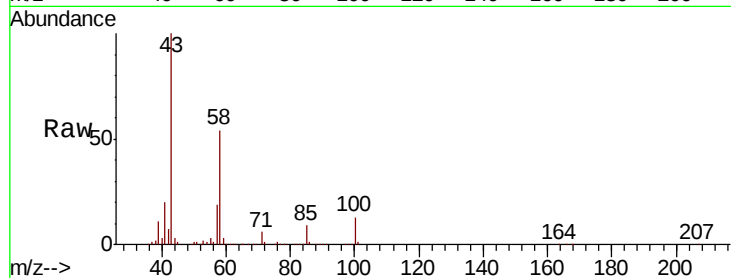




#59
2-Hexanone
Concen: 255.149 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

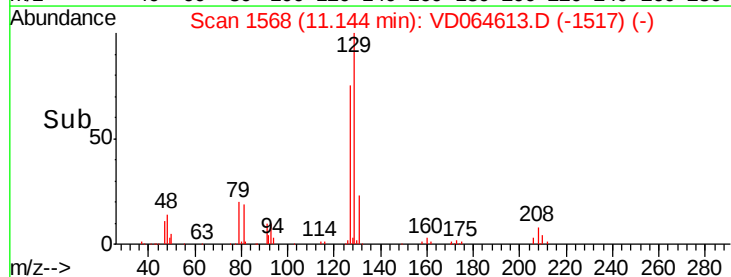
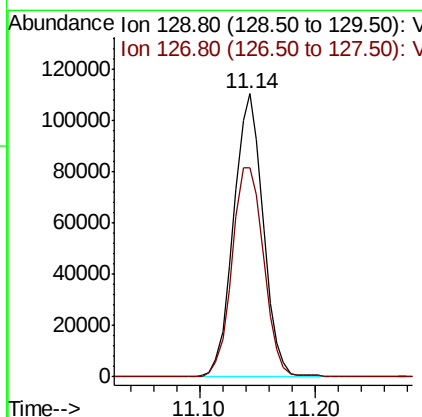
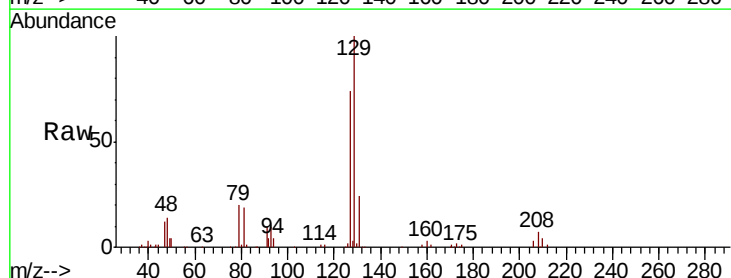
Instrument :
MSVOA_D
ClientSampled :
BFB

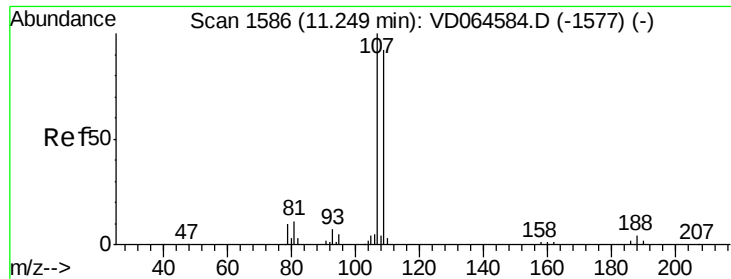
Tot Ion: 43 Resp: 379876
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 51.116 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 129 Resp: 196480
Ion Ratio Lower Upper
129 100
127 79.3 38.4 115.2

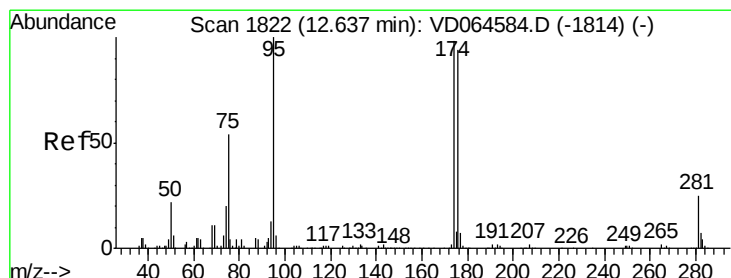
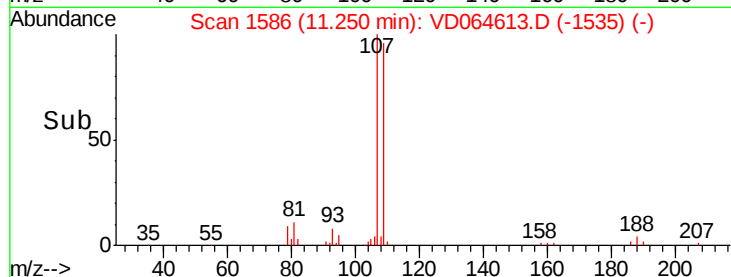
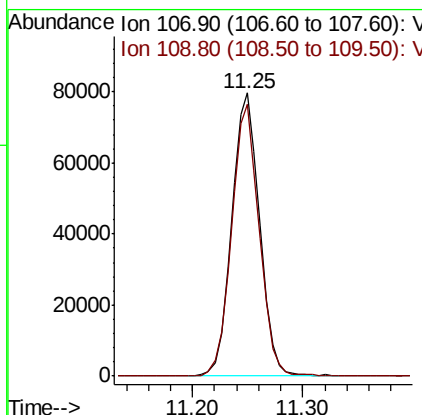
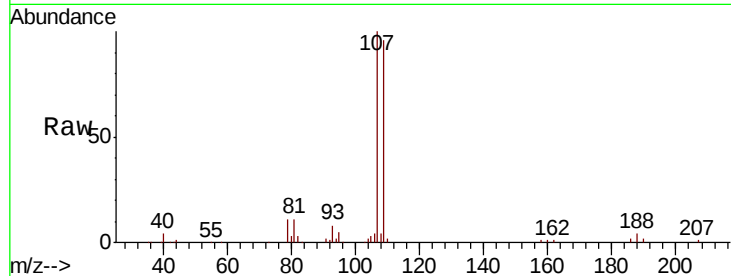




#61
 1,2-Dibromoethane
 Concen: 51.301 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

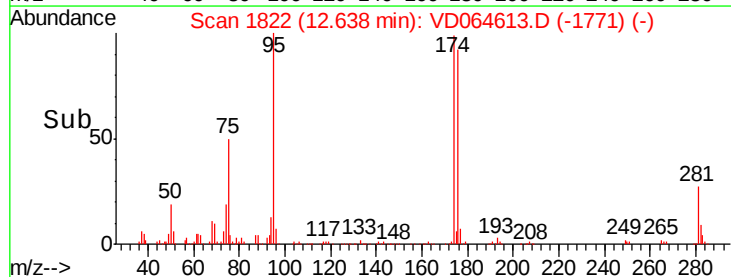
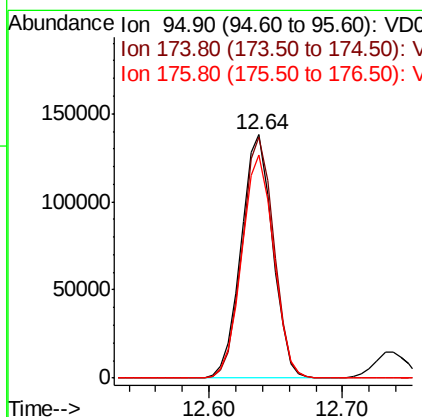
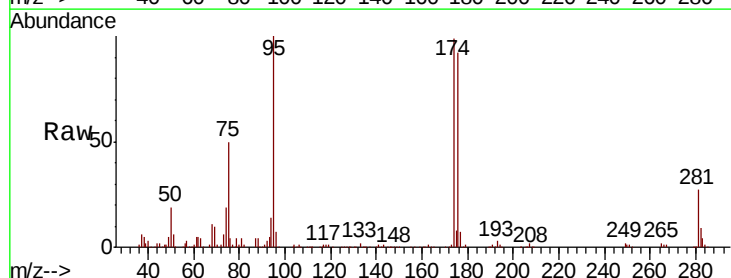
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

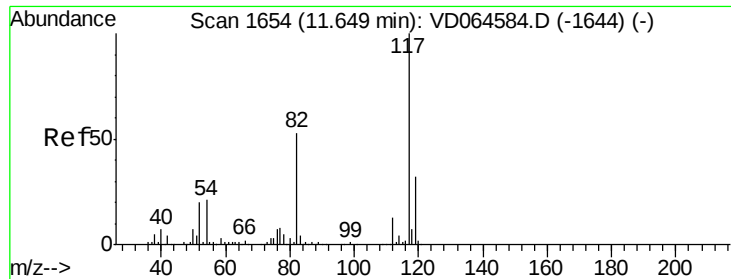
Tot Ion: 107 Resp: 140646
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.403 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Tgt Ion: 95 Resp: 225214
 Ion Ratio Lower Upper
 95 100
 174 99.0 0.0 193.2
 176 93.0 0.0 184.2

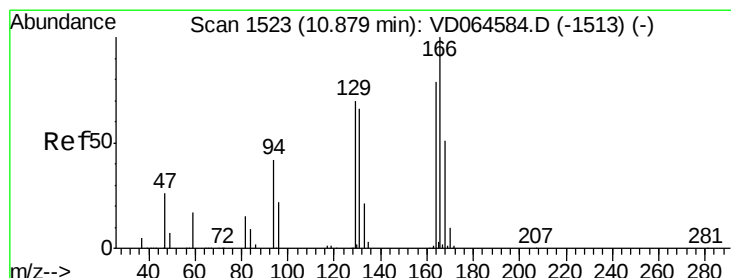
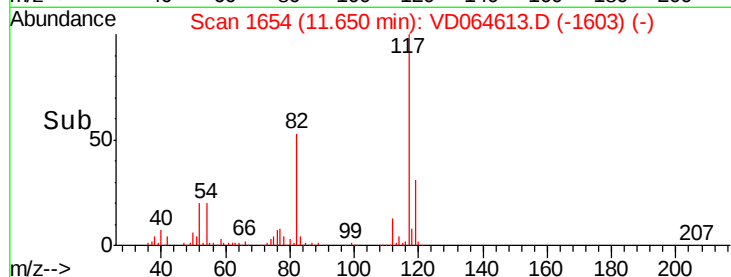
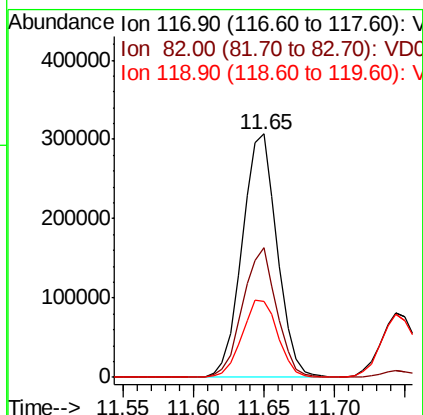
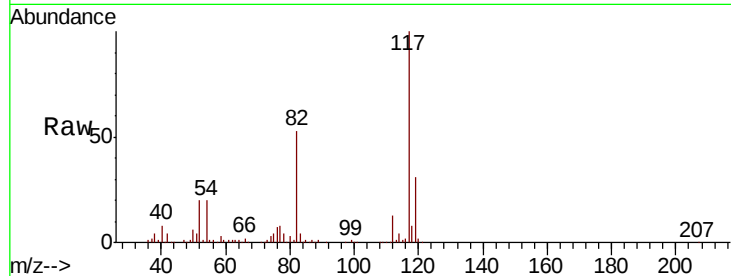




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

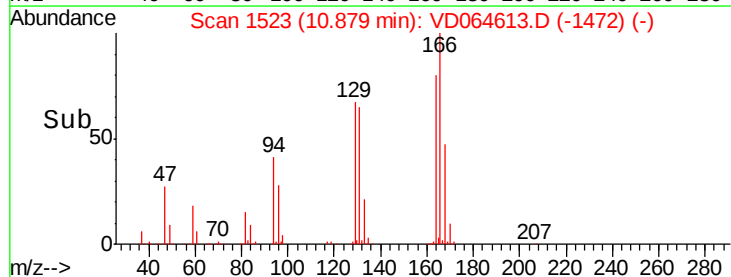
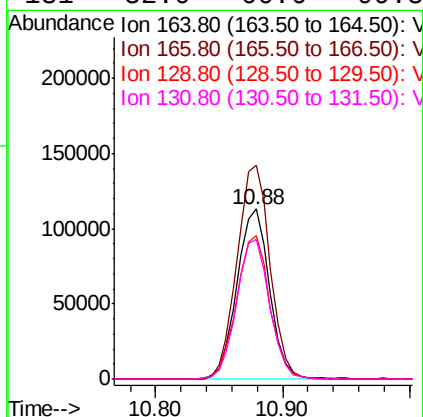
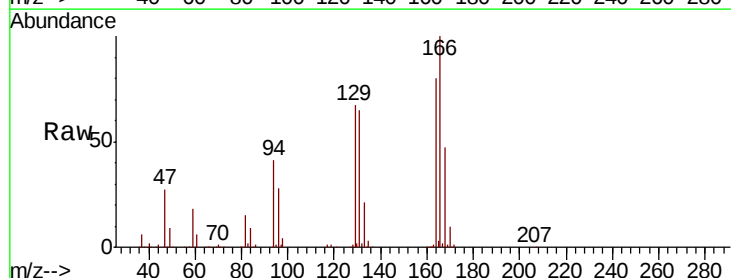
Instrument :
MSVOA_D
ClientSampleId :
BFB

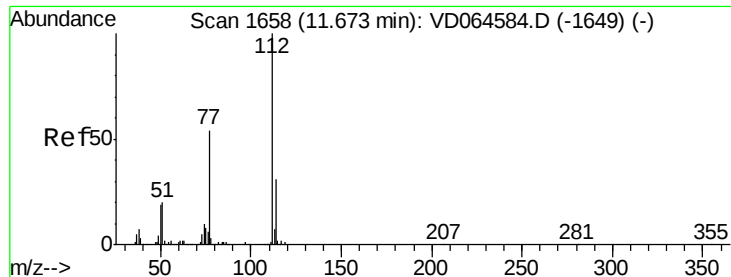
Tot Ion:117 Resp: 531619
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 31.4 26.0 39.0



#64
Tetrachloroethene
Concen: 49.152 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion:164 Resp: 200464
Ion Ratio Lower Upper
164 100
166 125.6 101.3 151.9
129 84.3 70.5 105.7
131 82.0 66.6 99.8

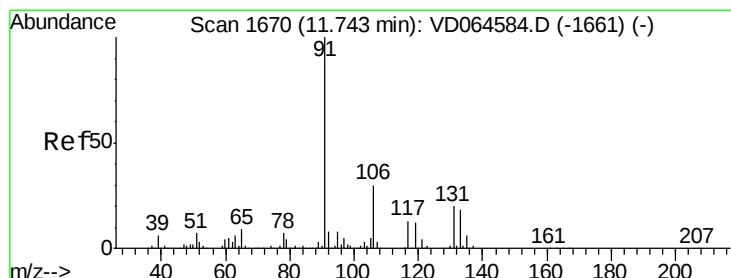
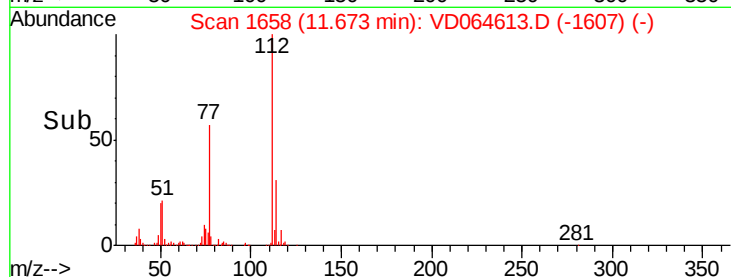
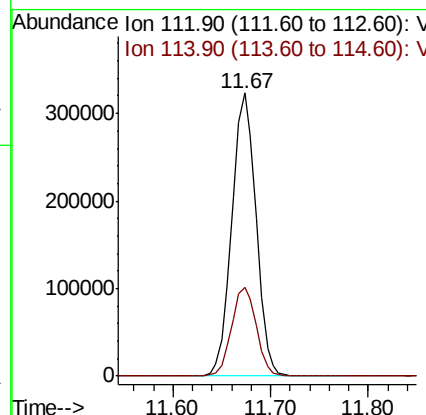
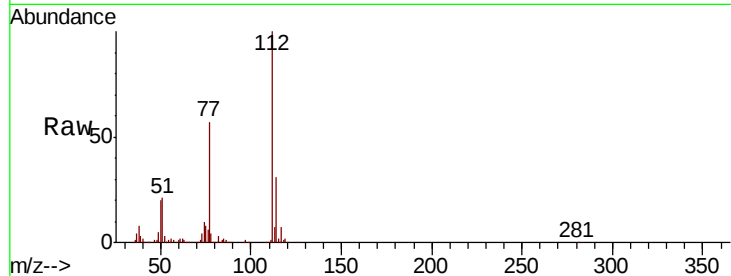




#65
Chlorobenzene
Concen: 50.438 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

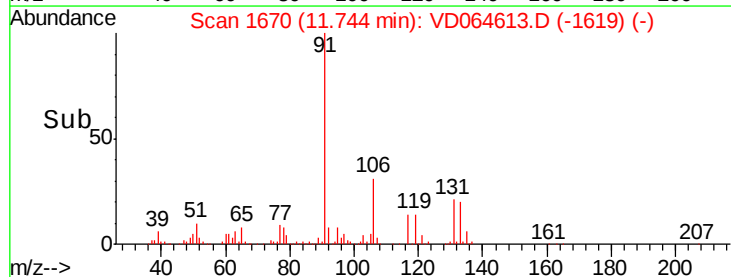
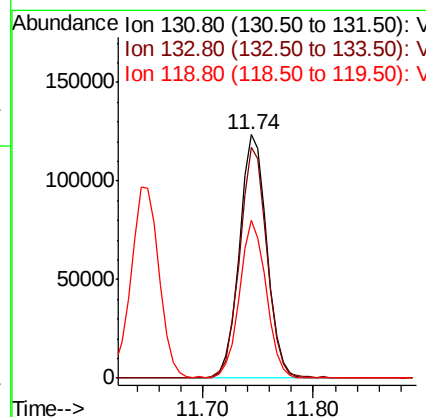
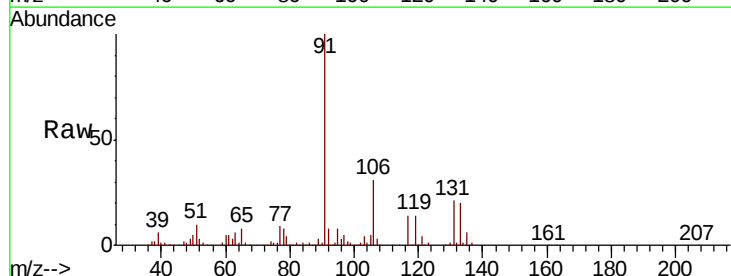
Instrument :
MSVOA_D
ClientSampleId :
BFB

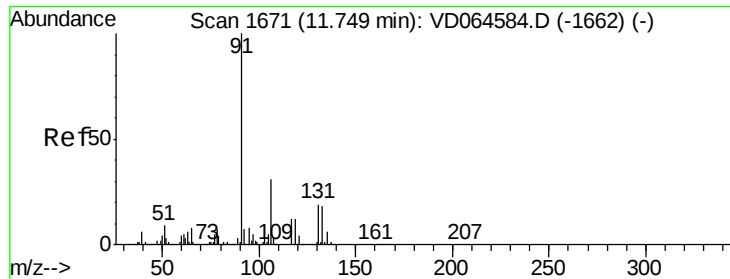
Tot Ion:112 Resp: 556512
Ion Ratio Lower Upper
112 100
114 31.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.785 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion:131 Resp: 215402
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.8
119 63.3 32.1 96.3





#67

Ethyl Benzene

Concen: 49.945 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

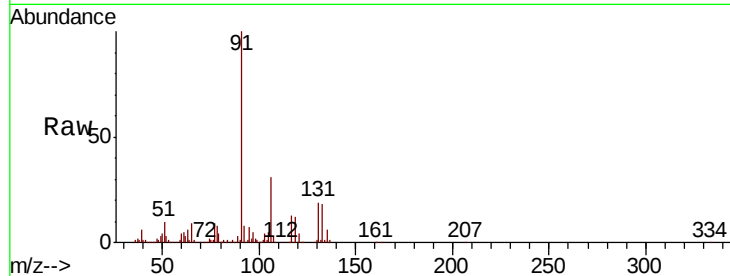
BFB

Tot Ion: 91 Resp: 1000235

Ion Ratio Lower Upper

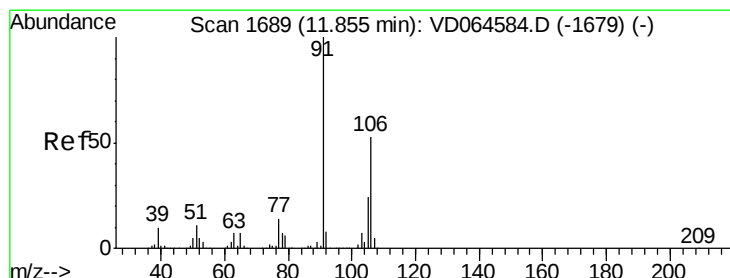
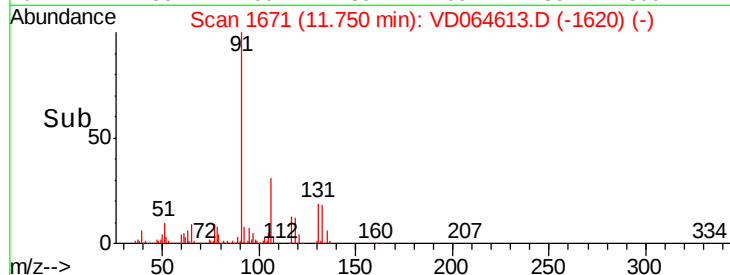
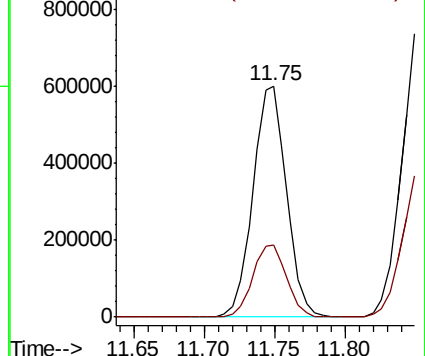
91 100

106 31.0 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 100.563 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064613.D

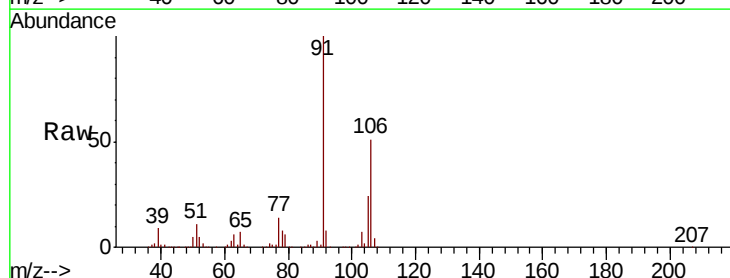
Acq: 26 Dec 2019 22:44

Tgt Ion: 106 Resp: 777341

Ion Ratio Lower Upper

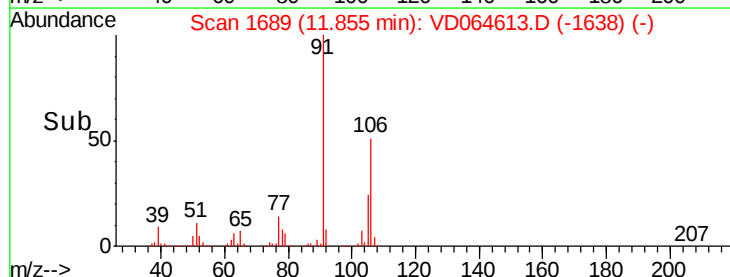
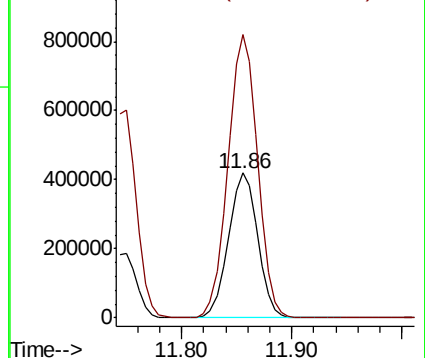
106 100

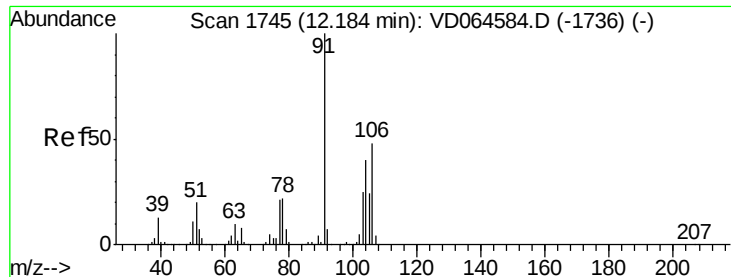
91 197.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

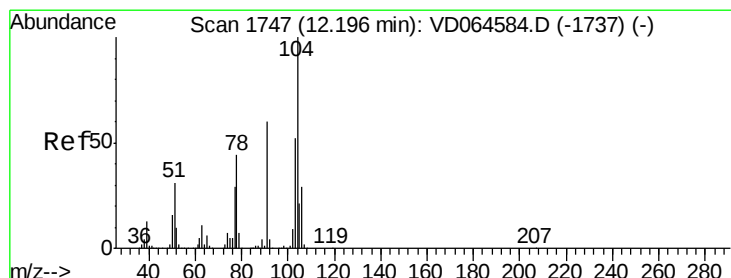
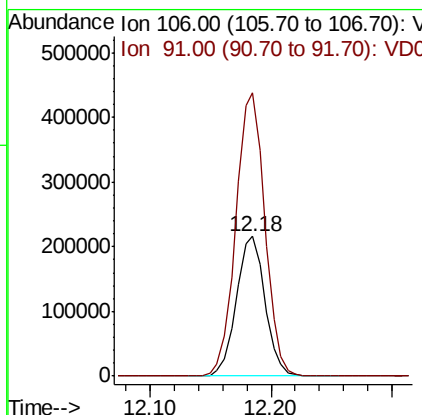
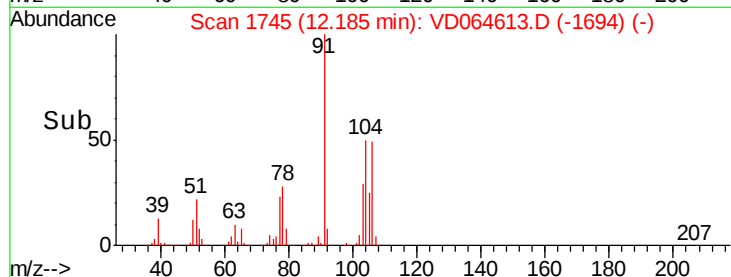
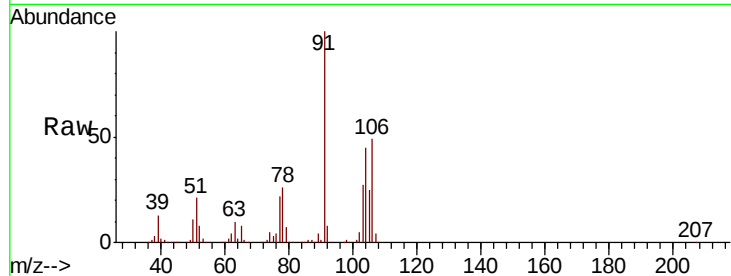




#69
o-Xylene
Concen: 51.208 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

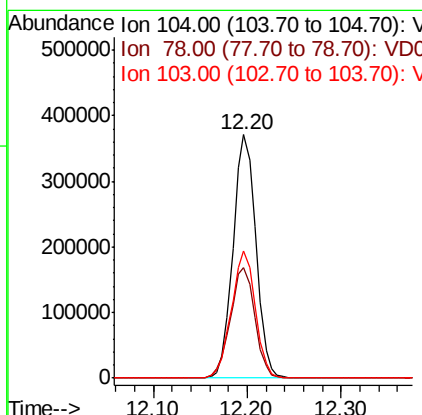
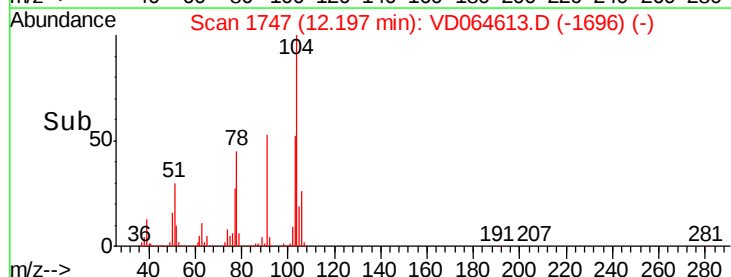
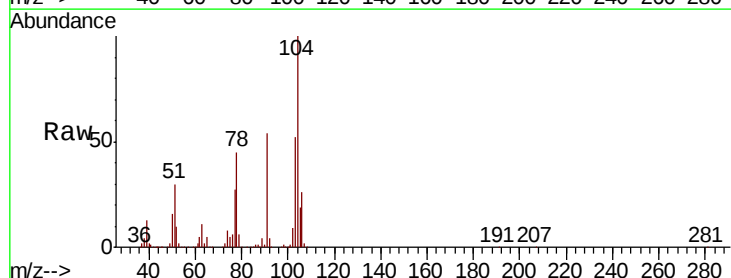
Instrument :
MSVOA_D
ClientSampled :
BFB

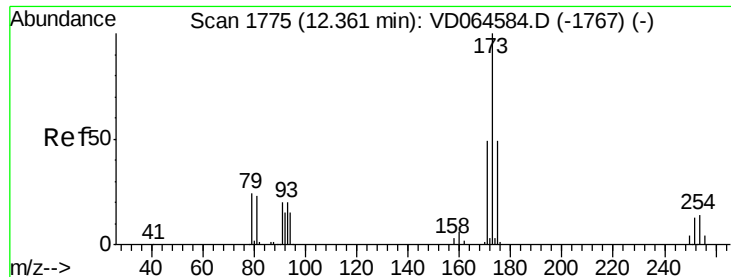
Tot Ion:106 Resp: 357537
Ion Ratio Lower Upper
106 100
91 205.4 104.8 314.4



#70
Styrene
Concen: 51.081 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion:104 Resp: 626018
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 54.8 44.6 67.0

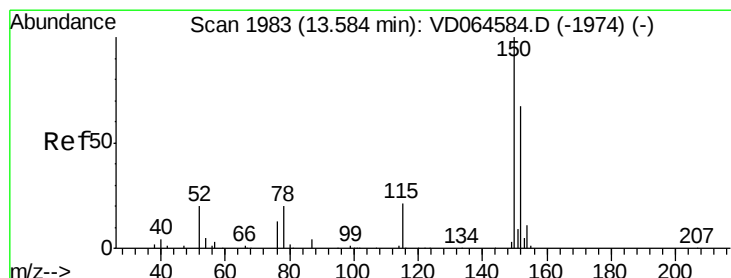
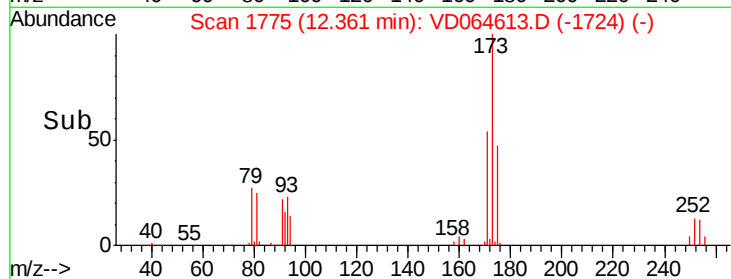
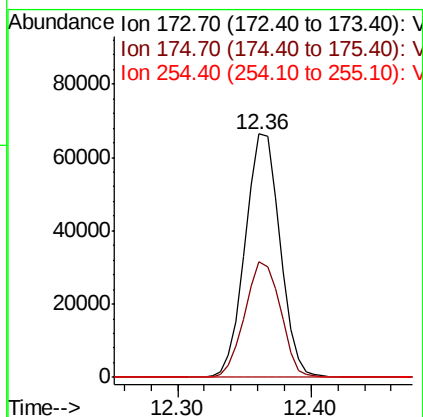
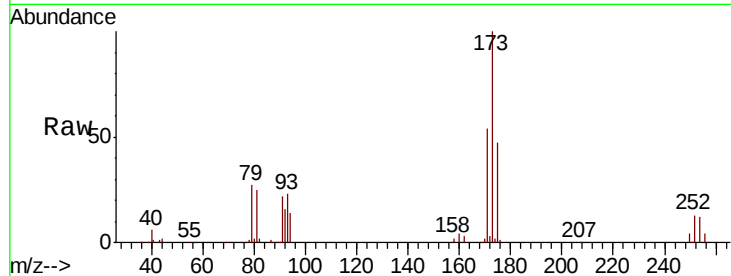




#71
Bromoform
Concen: 50.616 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

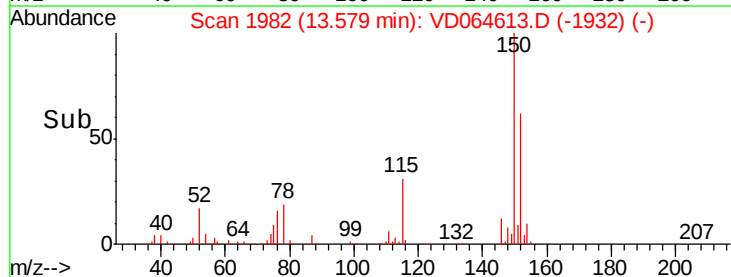
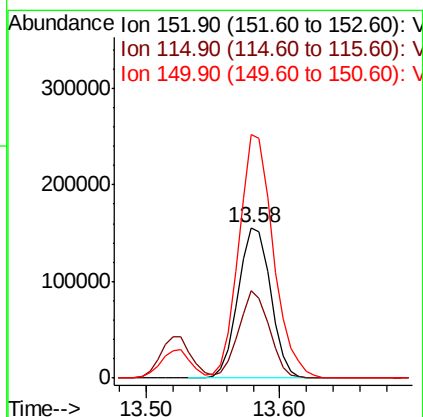
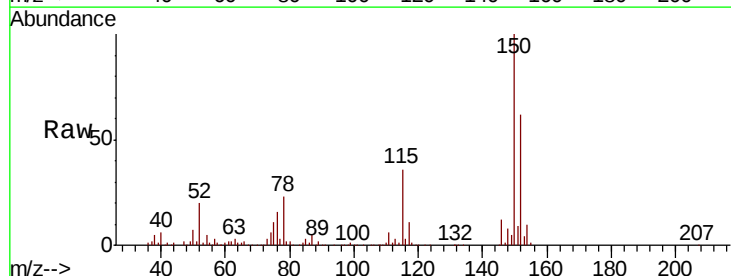
Instrument :
MSVOA_D
ClientSampleId :
BFB

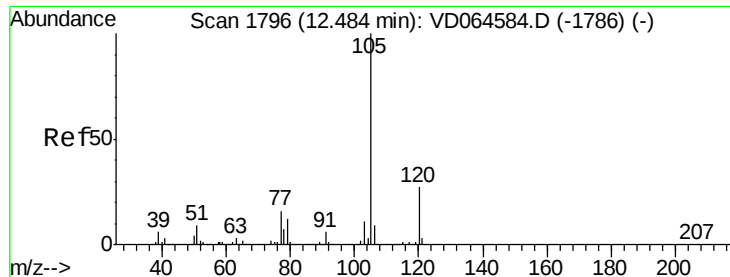
Tot Ion:173 Resp: 120066
Ion Ratio Lower Upper
173 100
175 48.5 24.6 73.8
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion:152 Resp: 263094
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.4
150 171.6 0.0 351.4





#73

Isopropylbenzene

Concen: 50.325 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

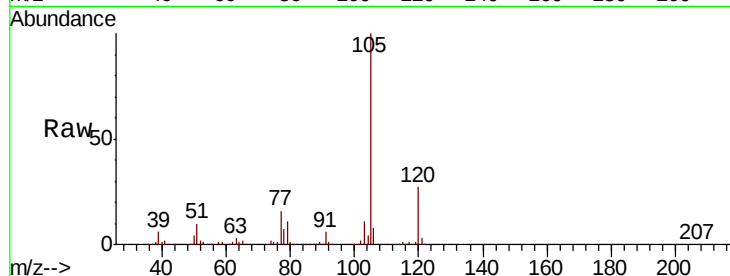
BFB

Tot Ion:105 Resp: 946167

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

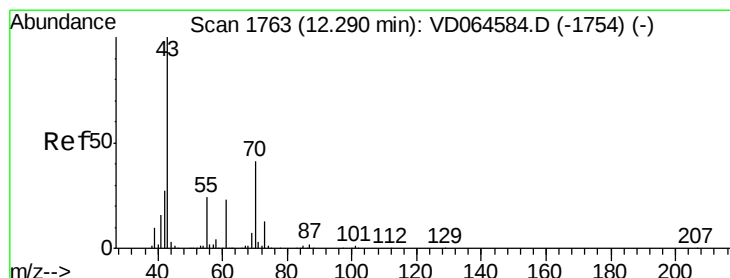
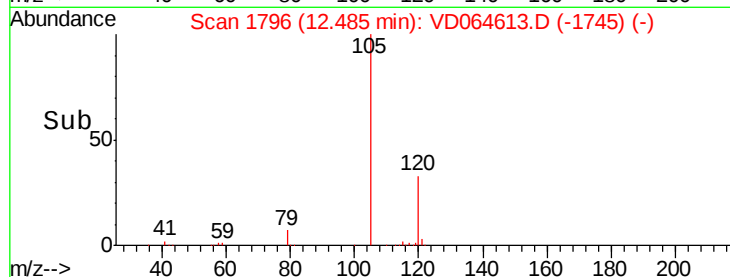
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.060 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Tgt Ion: 43 Resp: 209231

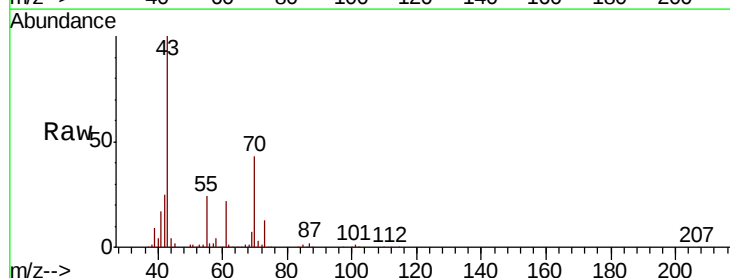
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.5 19.4 29.0

61 23.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

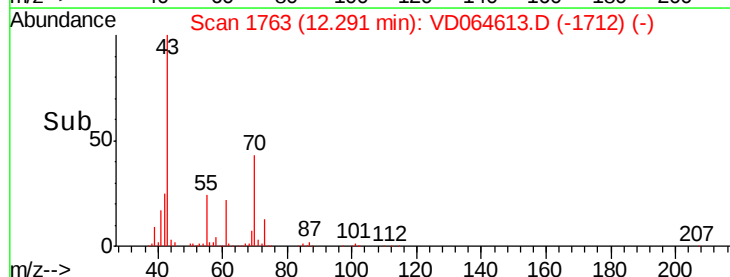
150000

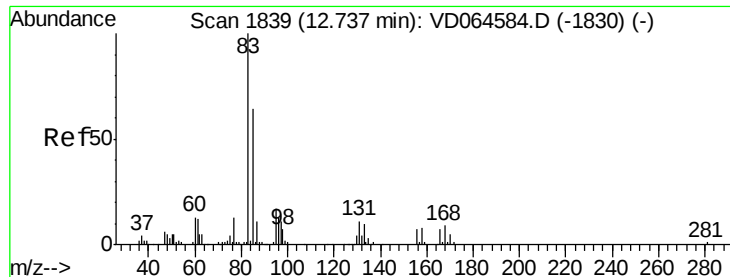
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.422 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampled :

BFB

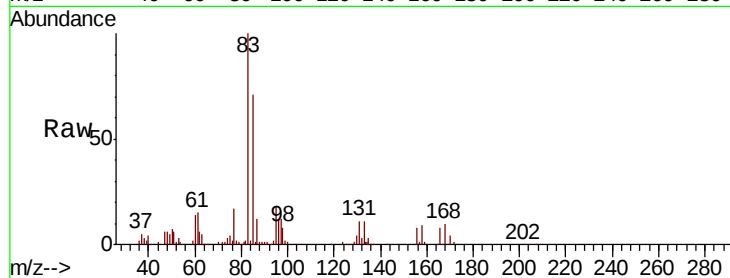
Tot Ion: 83 Resp: 145969

Ion Ratio Lower Upper

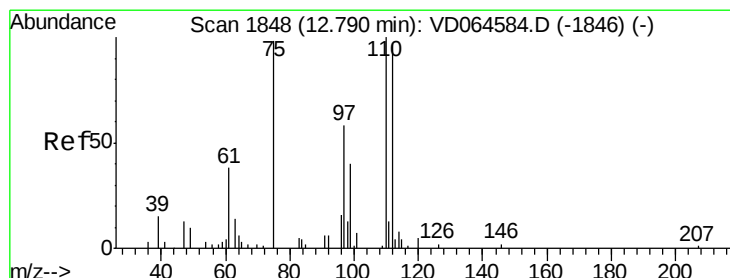
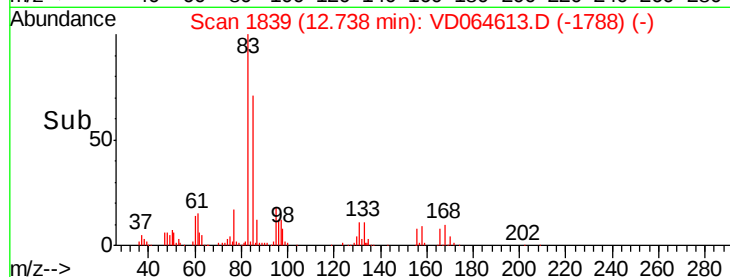
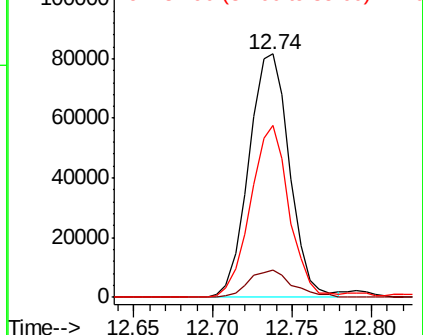
83 100

131 12.0 5.8 17.4

85 66.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 94.141 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064613.D

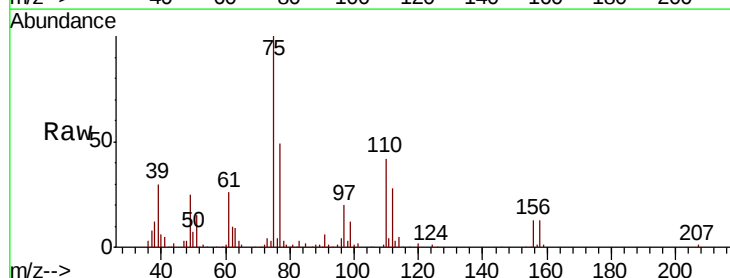
Acq: 26 Dec 2019 22:44

Tgt Ion: 75 Resp: 195582

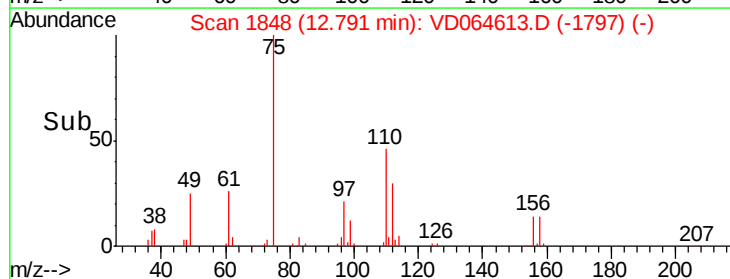
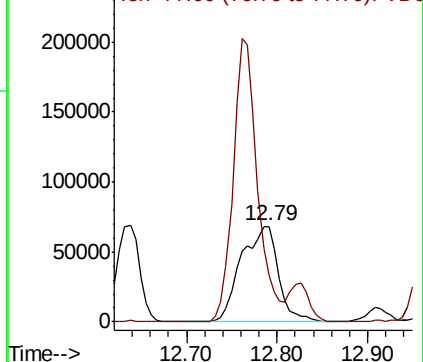
Ion Ratio Lower Upper

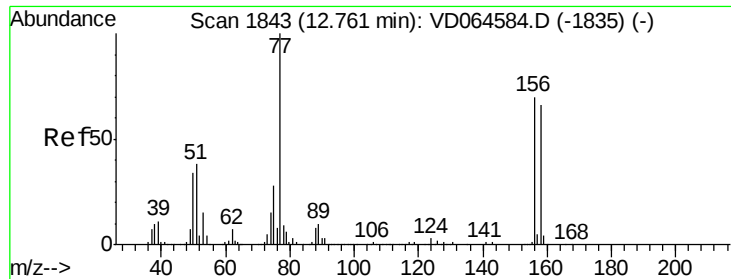
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.436 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampled :

BFB

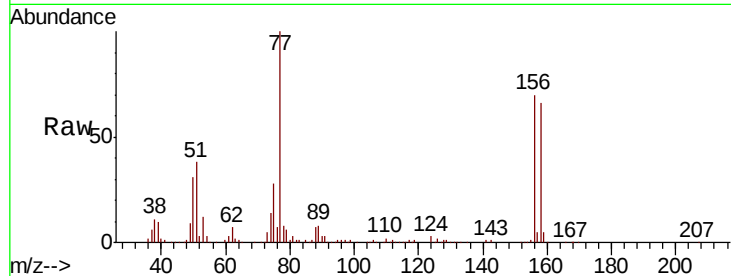
Tot Ion:156 Resp: 237619

Ion Ratio Lower Upper

156 100

77 160.9 80.9 242.7

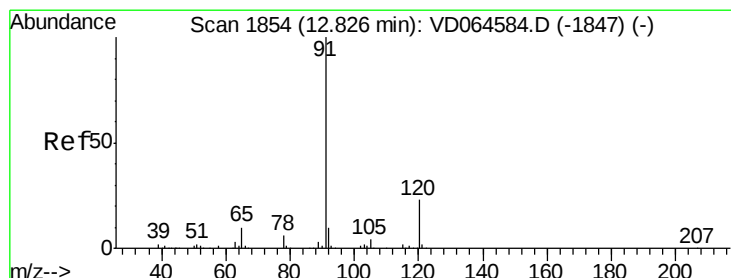
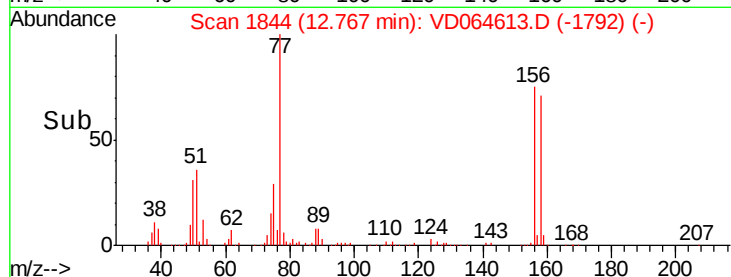
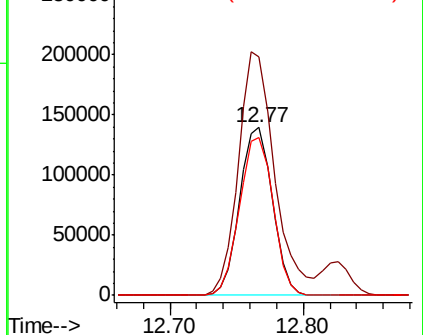
158 96.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.116 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064613.D

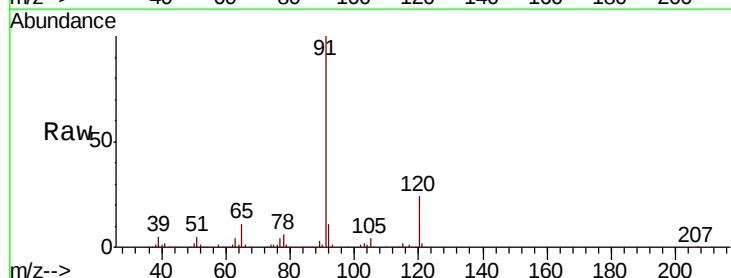
Acq: 26 Dec 2019 22:44

Tgt Ion: 91 Resp: 1099237

Ion Ratio Lower Upper

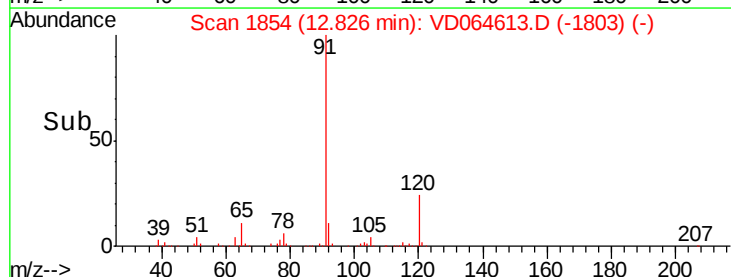
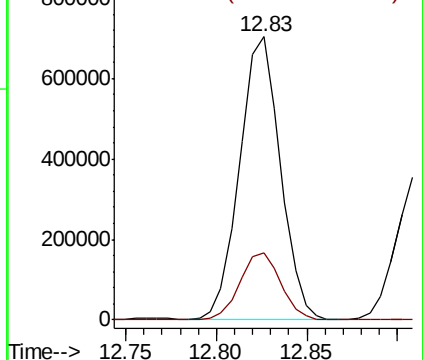
91 100

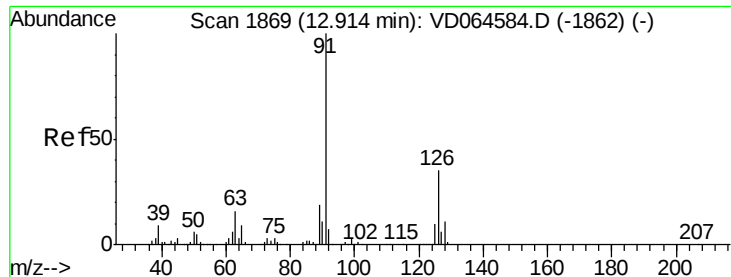
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.307 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

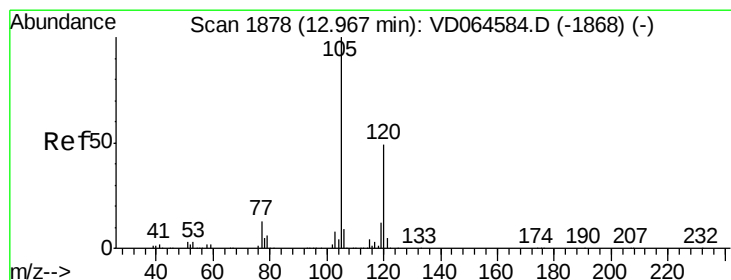
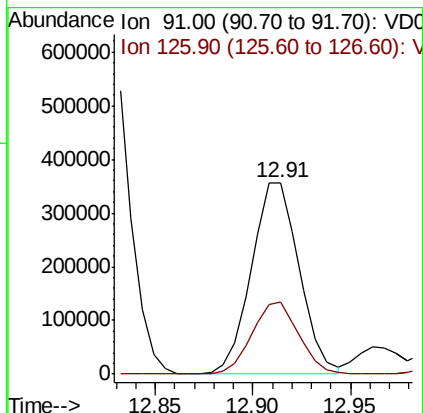
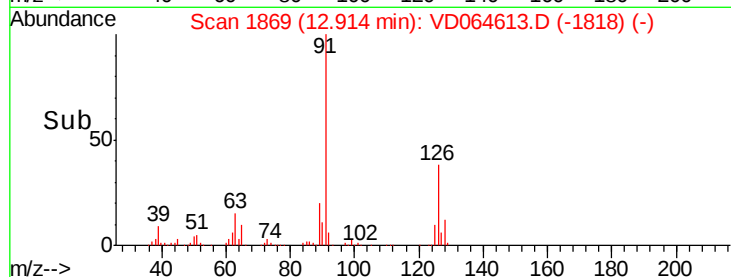
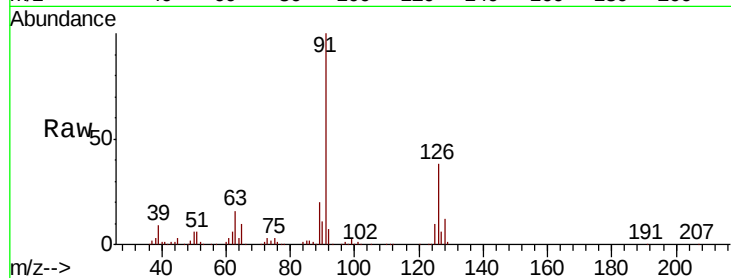
BFB

Tot Ion: 91 Resp: 606165

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 50.449 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064613.D

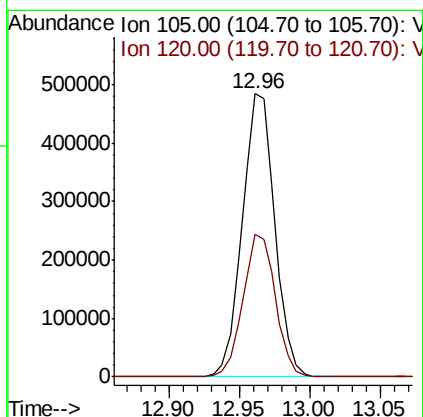
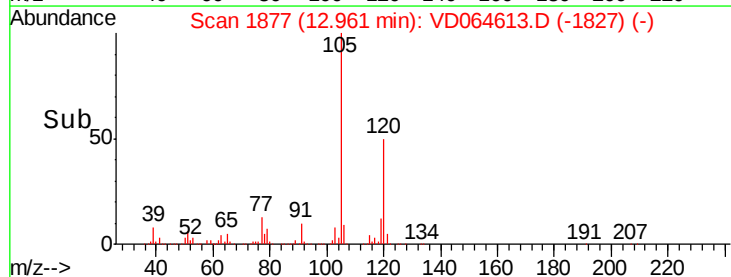
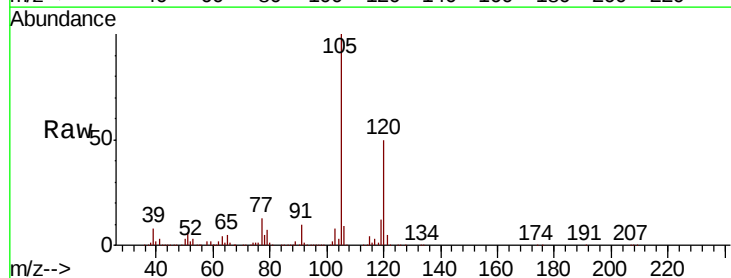
Acq: 26 Dec 2019 22:44

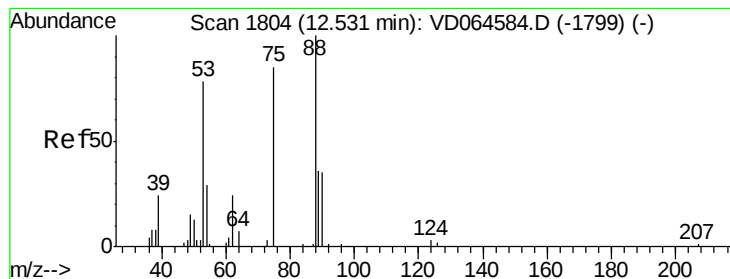
Tgt Ion: 105 Resp: 779156

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.695 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

BFB

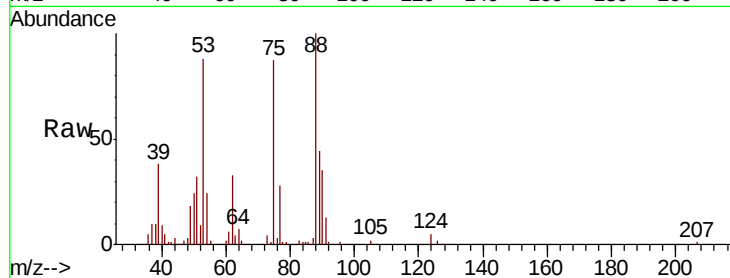
Tot Ion: 75 Resp: 49364

Ion Ratio Lower Upper

75 100

53 97.4 78.8 118.2

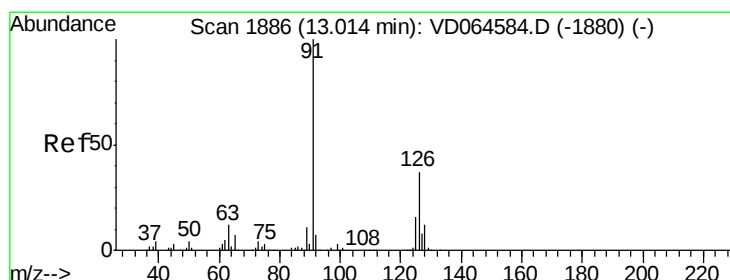
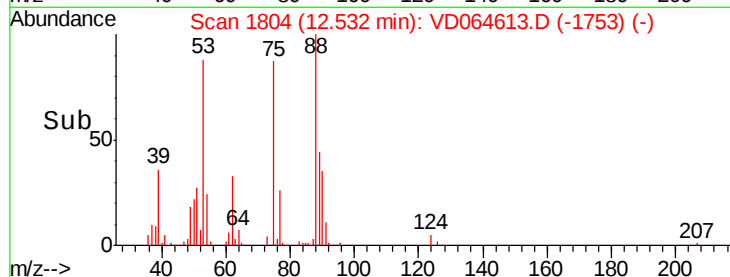
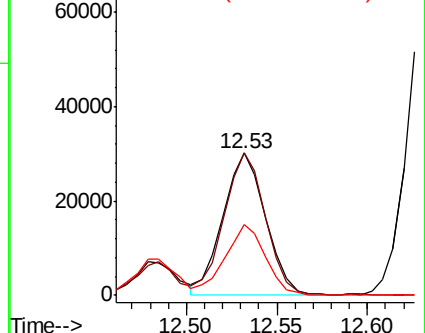
89 47.4 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.552 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064613.D

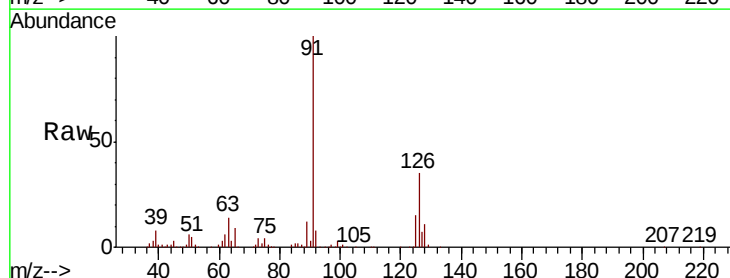
Acq: 26 Dec 2019 22:44

Tgt Ion: 91 Resp: 648211

Ion Ratio Lower Upper

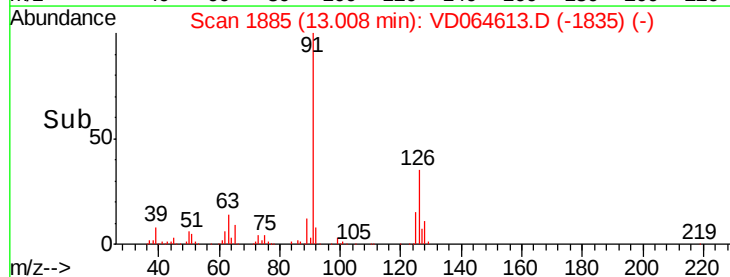
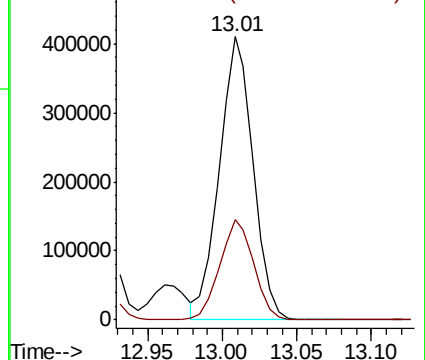
91 100

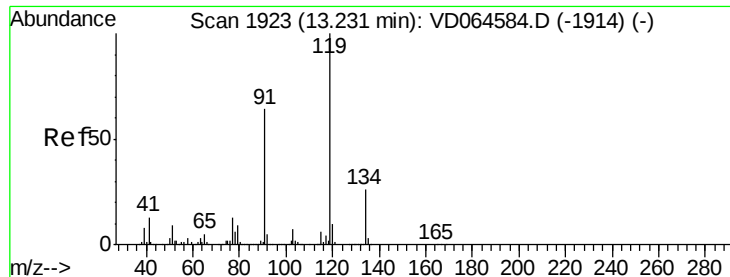
126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.689 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

BFB

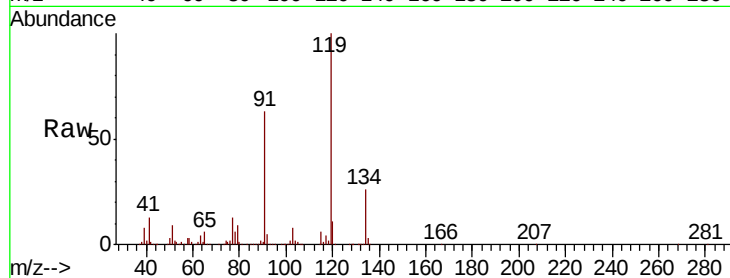
Tot Ion:119 Resp: 679711

Ion Ratio Lower Upper

119 100

91 61.3 30.8 92.4

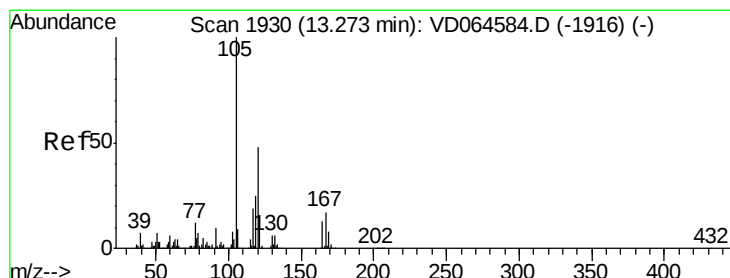
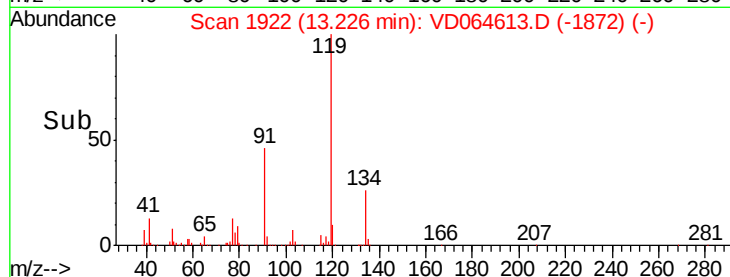
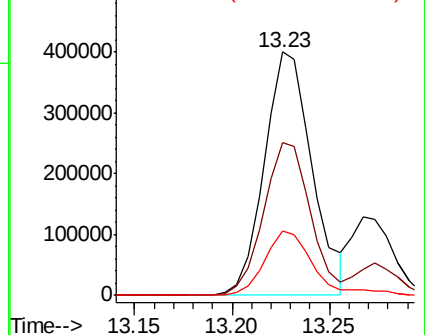
134 27.1 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): 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: 50.941 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064613.D

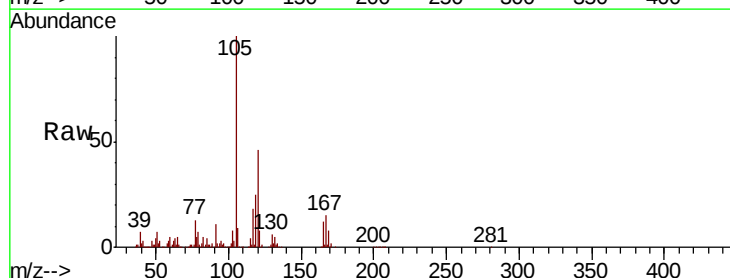
Acq: 26 Dec 2019 22:44

Tgt Ion:105 Resp: 783554

Ion Ratio Lower Upper

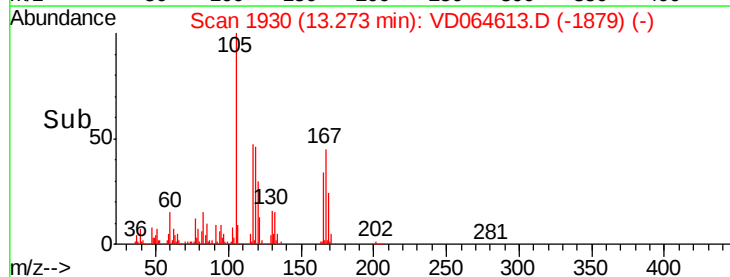
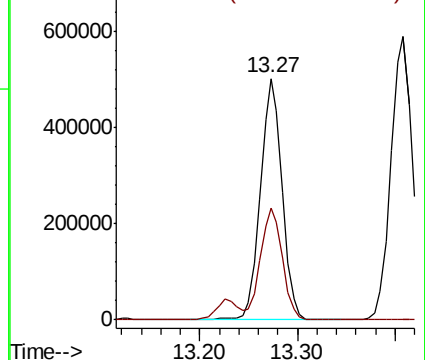
105 100

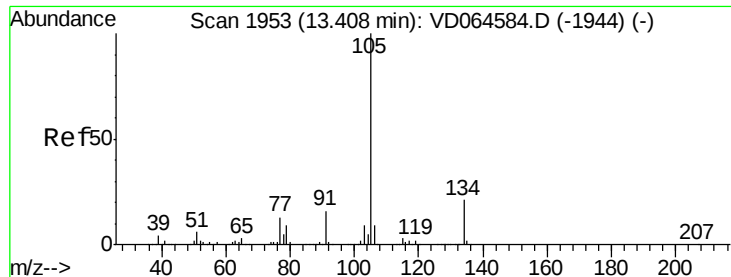
120 47.1 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.444 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

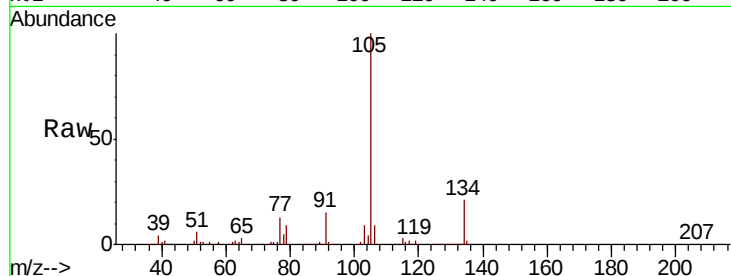
BFB

Tot Ion:105 Resp: 908963

Ion Ratio Lower Upper

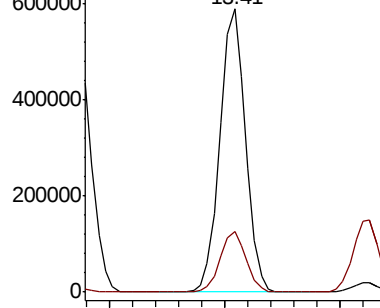
105 100

134 21.5 10.6 31.8

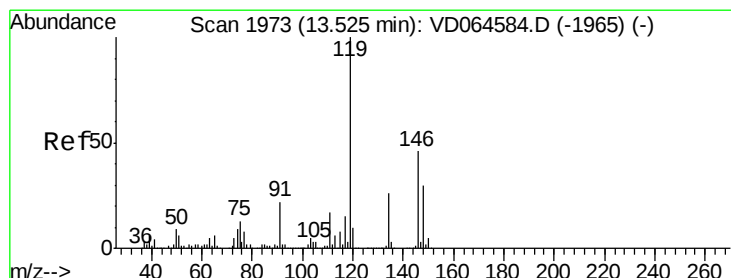
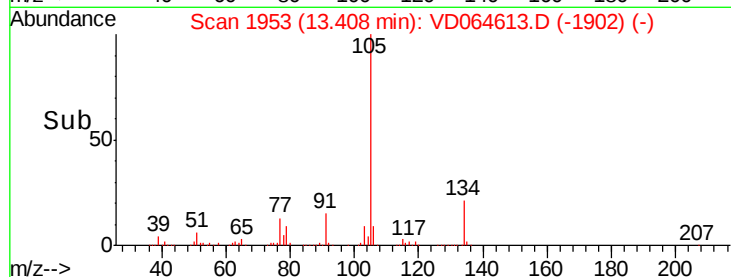


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 49.896 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

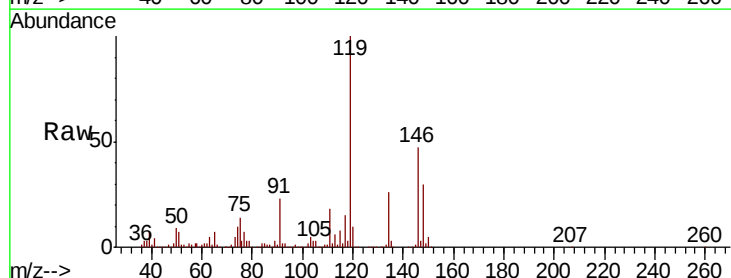
Tgt Ion:119 Resp: 877087

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

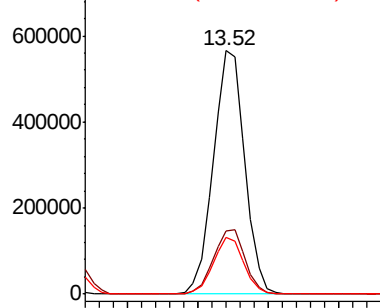
91 22.4 11.2 33.6



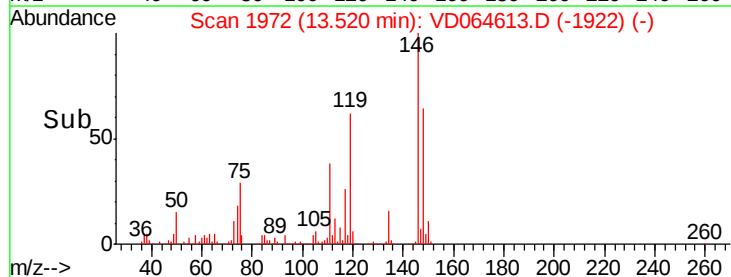
Abundance Ion 119.00 (118.70 to 119.70): V

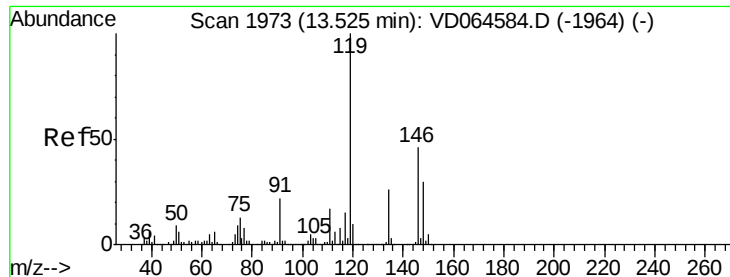
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

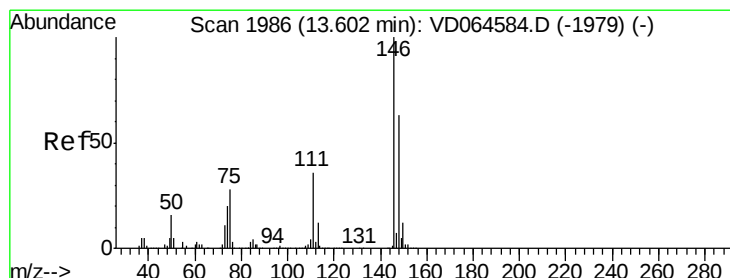
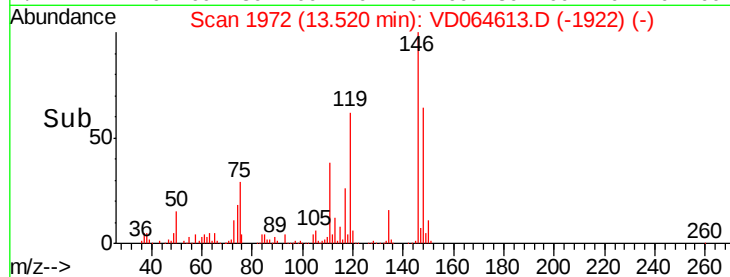
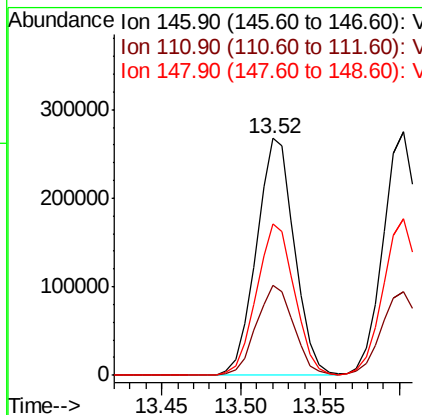
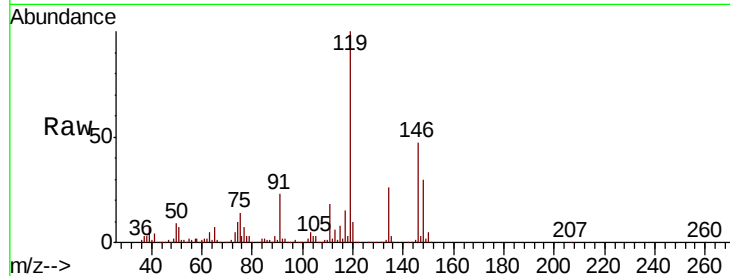




#87
 1,3-Dichlorobenzene
 Concen: 50.630 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

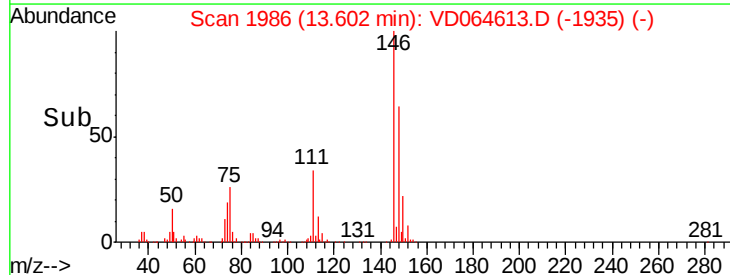
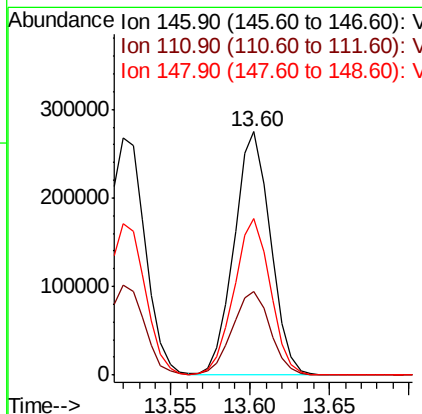
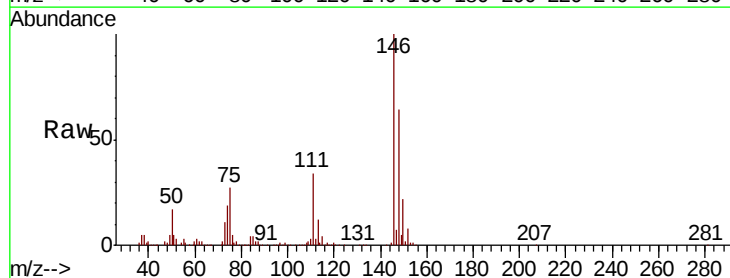
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

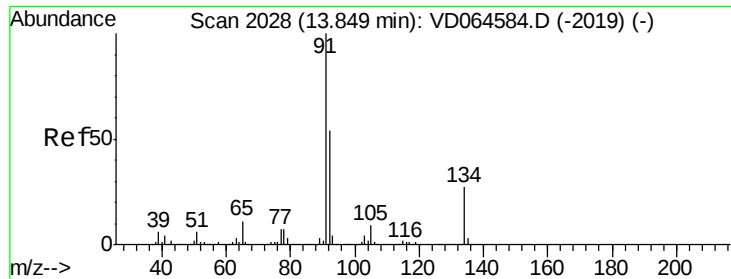
Tot Ion:146 Resp: 445885
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.8 56.4
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.759 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Tgt Ion:146 Resp: 439146
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.1 54.1
 148 64.2 32.3 96.9

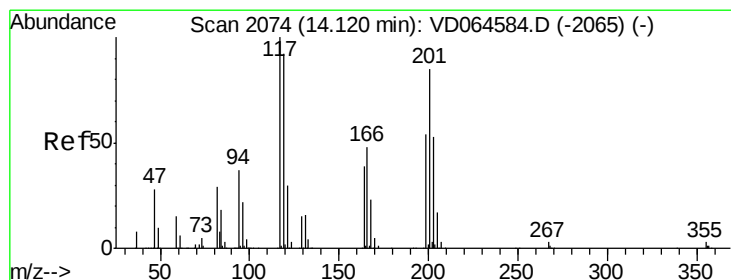
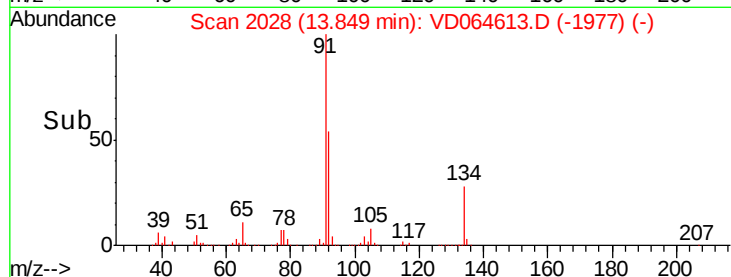
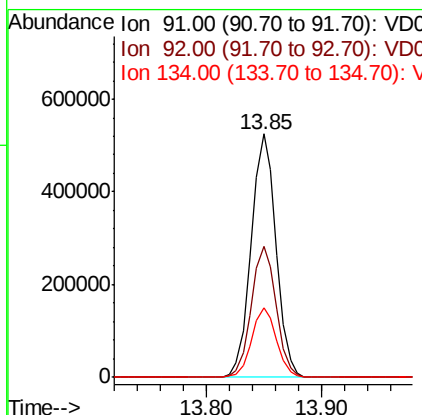
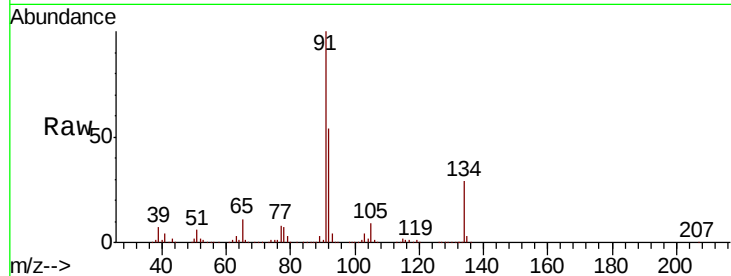




#89
n-Butylbenzene
Concen: 49.723 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

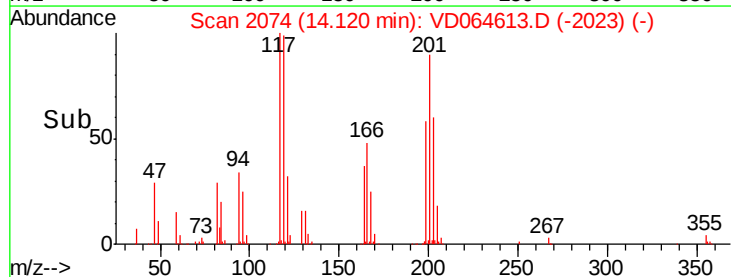
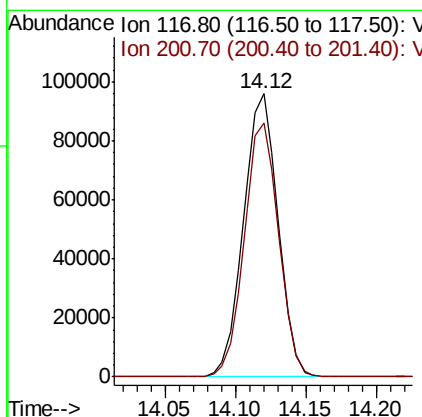
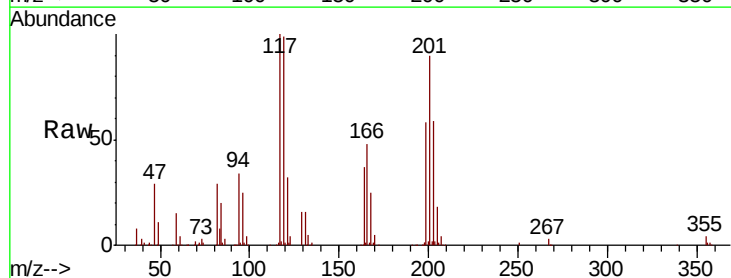
Instrument :
MSVOA_D
ClientSampleId :
BFB

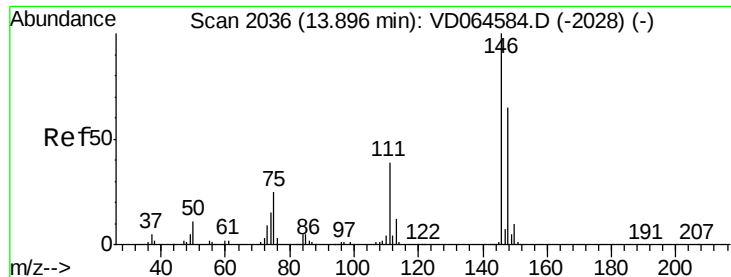
Tot Ion: 91 Resp: 787110
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 28.4 14.0 41.9



#90
Hexachloroethane
Concen: 49.003 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion: 117 Resp: 164543
Ion Ratio Lower Upper
117 100
201 89.5 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 50.850 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

Instrument :

MSVOA_D

ClientSampleId :

BFB

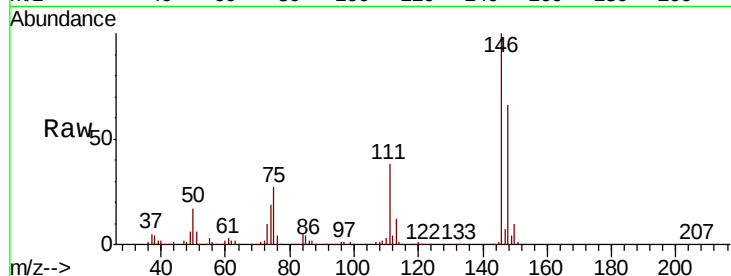
Tot Ion:146 Resp: 381865

Ion Ratio Lower Upper

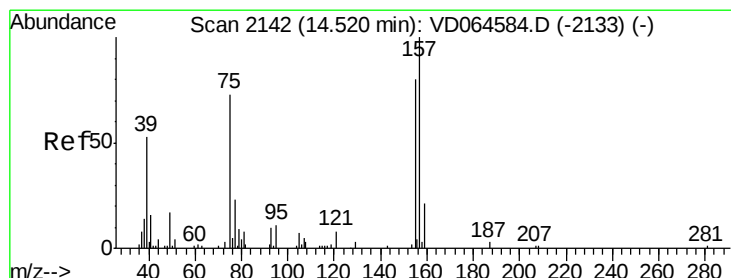
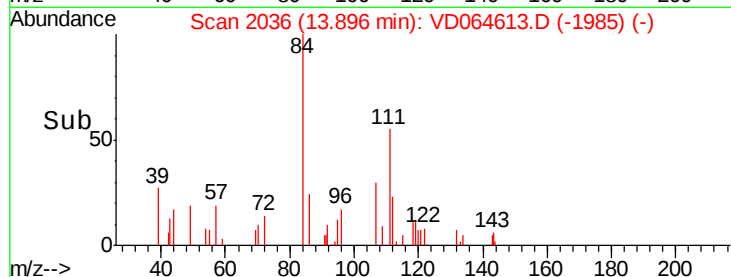
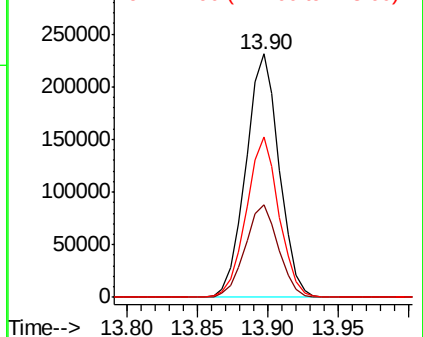
146 100

111 38.0 19.3 57.9

148 64.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): 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: 47.952 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064613.D

Acq: 26 Dec 2019 22:44

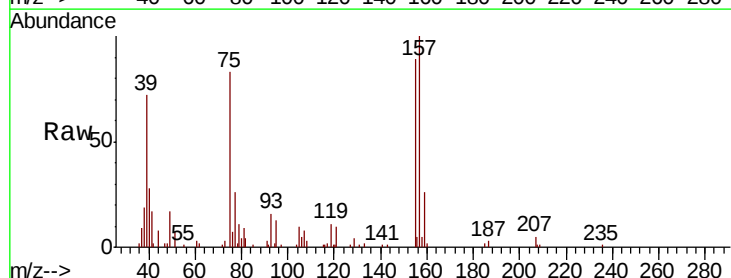
Tgt Ion: 75 Resp: 22959

Ion Ratio Lower Upper

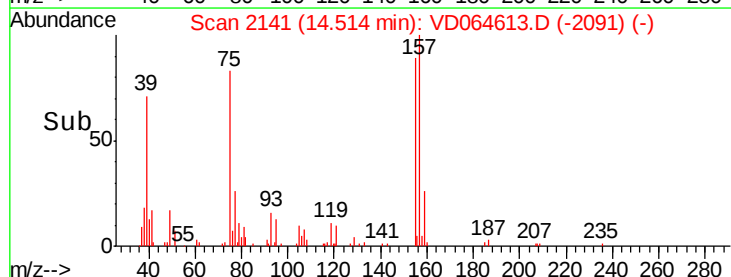
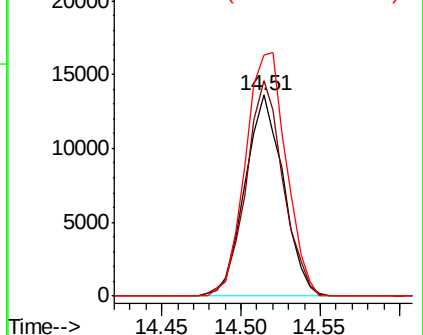
75 100

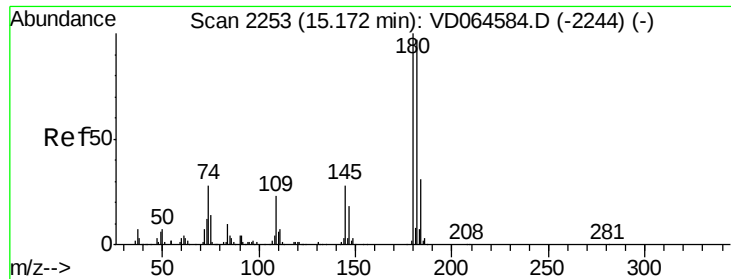
155 103.5 48.0 144.0

157 128.5 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

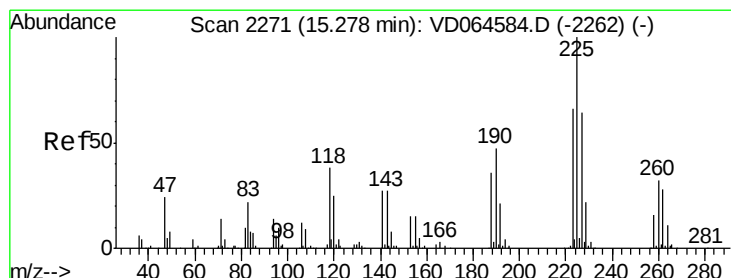
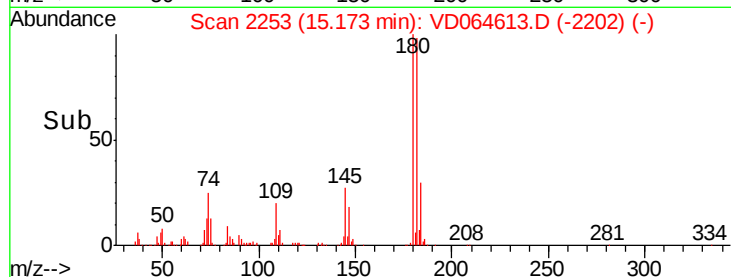
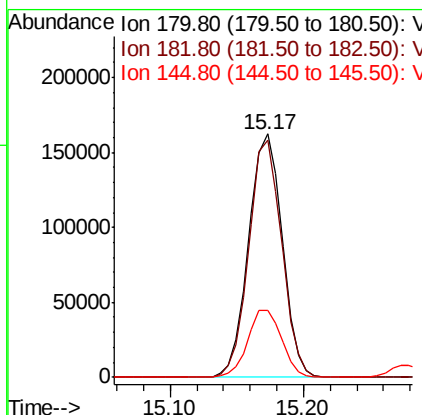
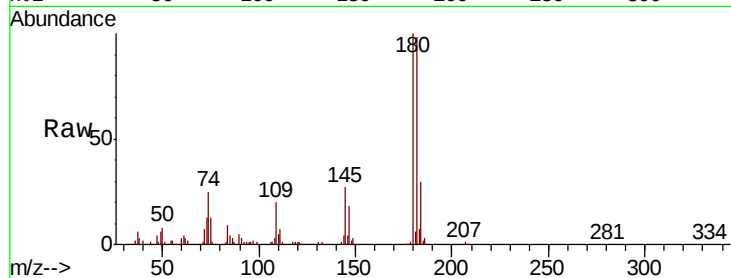




#93
 1,2,4-Trichlorobenzene
 Concen: 50.888 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

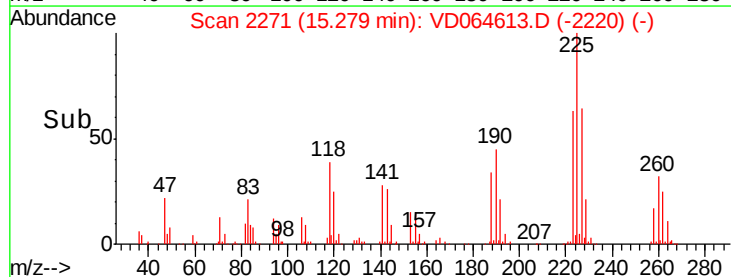
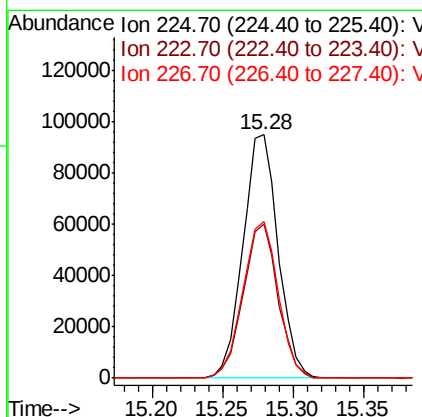
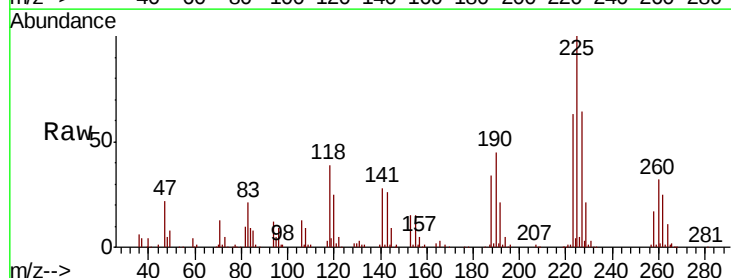
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

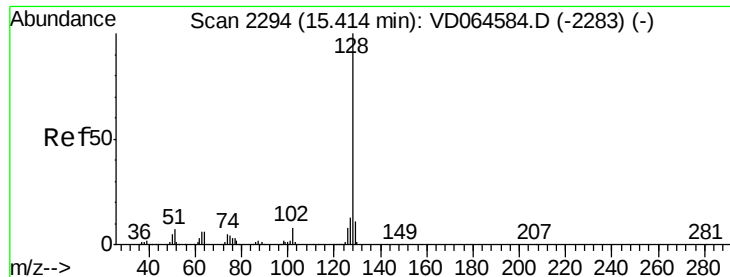
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	27.9	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 47.524 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064613.D
 Acq: 26 Dec 2019 22:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	64.9	30.9	92.7

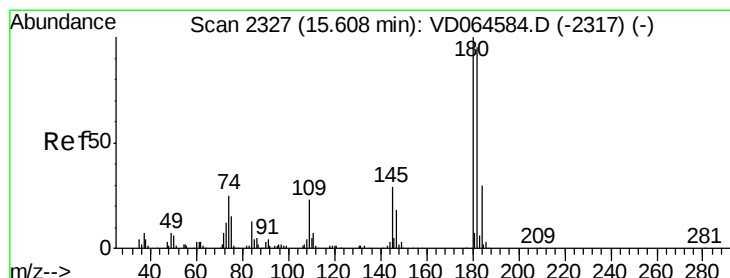
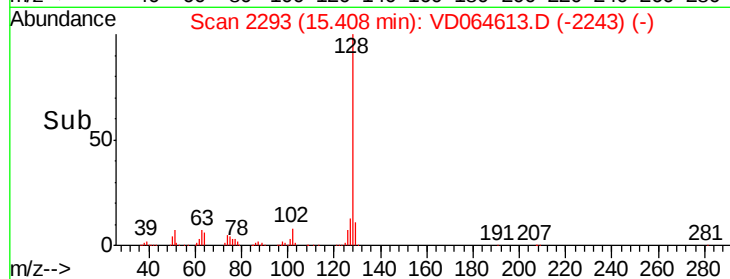
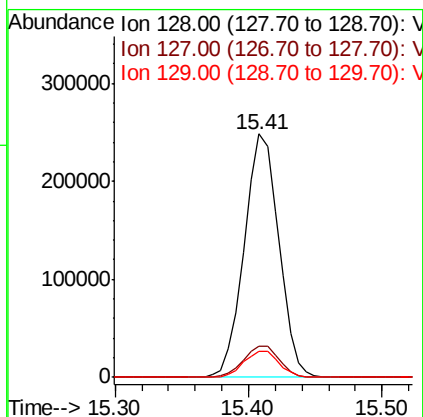
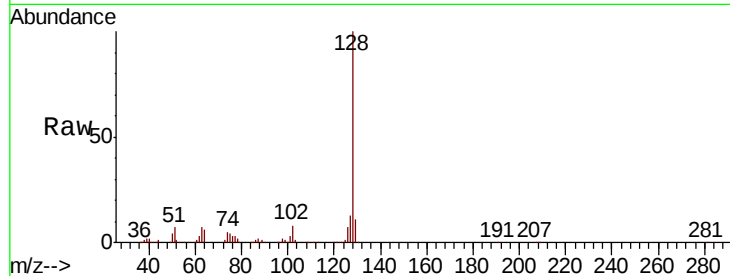




#95
Naphthalene
Concen: 50.759 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.0	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.213 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064613.D
Acq: 26 Dec 2019 22:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.7
145	29.4	14.9	44.7

