

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064647.D
 Acq On : 27 Dec 2019 16:20
 Operator : VA/SY
 Sample : K6431-10MS
 Misc : 7.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Quant Time: Dec 30 00:59:16 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	7.99	168	8098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	13189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	12238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	6943	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	5839	81.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.54%	
35) Dibromofluoromethane	7.91	113	4743	58.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.24%	
50) Toluene-d8	10.34	98	14770	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	12.64	95	5649	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.99	85	2163	34.370	ug/l	79
3) Chloromethane	2.20	50	4764	54.127	ug/l #	82
4) Vinyl Chloride	2.36	62	4929	45.930	ug/l #	87
5) Bromomethane	2.79	94	3165	40.562	ug/l #	61
6) Chloroethane	2.94	64	2402	33.404	ug/l #	85
7) Trichlorofluoromethane	3.29	101	5653	31.285	ug/l	87
8) Diethyl Ether	3.71	74	2513	70.035	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	4.09	101	1442	19.269	ug/l #	22
10) Methyl Iodide	4.31	142	3017	37.533	ug/l #	67
11) Tert butyl alcohol	5.26	59	61	14.906	ug/l #	70
12) 1,1-Dichloroethene	4.08	96	3462	48.593	ug/l #	90
13) Acrolein	3.92	56	3083	540.560	ug/l #	75
14) Allyl chloride	4.73	41	6408	57.688	ug/l #	86
15) Acrylonitrile	5.42	53	9902	662.514	ug/l #	94
16) Acetone	4.16	43	12609	Below Cal		91
17) Carbon Disulfide	4.41	76	9827	42.658	ug/l #	91
18) Methyl Acetate	4.73	43	8143	202.555	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	12588	79.547	ug/l #	86
20) Methylene Chloride	4.98	84	4953	69.752	ug/l #	85
21) trans-1,2-Dichloroethene	5.46	96	2205	27.176	ug/l #	74
22) Diisopropyl ether	6.37	45	12960	58.495	ug/l #	87
23) Vinyl Acetate	6.36	43	8437	67.130	ug/l #	72
24) 1,1-Dichloroethane	6.26	63	7896	59.365	ug/l #	84
25) 2-Butanone	7.21	43	13589	692.323	ug/l	95
26) 2,2-Dichloropropane	7.21	77	4102	33.170	ug/l	88
27) cis-1,2-Dichloroethene	7.23	96	5423	61.931	ug/l #	18
28) Bromochloromethane	7.56	49	4297	83.107	ug/l #	92
29) Tetrahydrofuran	7.57	42	7913	648.274	ug/l	97
30) Chloroform	7.71	83	8307	59.528	ug/l	92
31) Cyclohexane	7.98	56	4708	35.361	ug/l	87
32) 1,1,1-Trichloroethane	7.90	97	6372	48.614	ug/l	91
36) 1,1-Dichloropropene	8.11	75	4581	36.087	ug/l	91
37) Ethyl Acetate	7.30	43	5792	116.142	ug/l #	81
38) Carbon Tetrachloride	8.09	117	4945	36.532	ug/l #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	4906	31.909	ug/l #	87
40) Benzene	8.36	78	15933	45.977	ug/l	94
41) Methacrylonitrile	7.53	41	4220	145.846	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	6780	67.704	ug/l	100
43) Isopropyl Acetate	8.46	43	8440	85.027	ug/l	96
44) Trichloroethene	9.12	130	4942	48.544	ug/l	99
45) 1,2-Dichloropropane	9.39	63	4228	51.099	ug/l	99
46) Dibromomethane	9.49	93	3274	70.971	ug/l	92
47) Bromodichloromethane	9.66	83	6920	56.373	ug/l #	82
48) Methyl methacrylate	9.46	41	4743	101.480	ug/l	92
49) 1,4-Dioxane	9.47	88	1295	2434.555	ug/l #	74
51) 4-Methyl-2-Pentanone	10.23	43	22940	467.561	ug/l	98
52) Toluene	10.40	92	10116	44.494	ug/l	94
53) t-1,3-Dichloropropene	10.63	75	5456	47.673	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	6931	51.361	ug/l #	88
55) 1,1,2-Trichloroethane	10.81	97	4647	74.747	ug/l #	87
56) Ethyl methacrylate	10.66	69	4916	63.316	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	6721	62.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	6104	206.349	ug/l	91
59) 2-Hexanone	10.98	43	17247	517.926	ug/l	99
60) Dibromochloromethane	11.14	129	5698	66.277	ug/l	95
61) 1,2-Dibromoethane	11.24	107	4961	80.905	ug/l	87
64) Tetrachloroethene	10.88	164	5031	53.585	ug/l #	83
65) Chlorobenzene	11.67	112	10751	42.327	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	4635	48.406	ug/l	100
67) Ethyl Benzene	11.75	91	15760	34.185	ug/l	92
68) m/p-Xylenes	11.85	106	11683	65.655	ug/l	99
69) o-Xylene	12.18	106	6546	40.727	ug/l	90
70) Styrene	12.20	104	10253	36.342	ug/l	97
71) Bromoform	12.37	173	4036	73.912	ug/l #	86
73) Isopropylbenzene	12.48	105	15723	31.689	ug/l	99
74) N-amyl acetate	12.29	43	4249	40.062	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.74	83	5024	64.458	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	6322	115.310	ug/l #	100
77) Bromobenzene	12.76	156	5397	44.269	ug/l	93
78) n-propylbenzene	12.83	91	17125	29.585	ug/l	99
79) 2-Chlorotoluene	12.91	91	11229	35.314	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	11204	27.489	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.53	75	305	11.635	ug/l #	18
82) 4-Chlorotoluene	13.01	91	11921	35.229	ug/l	95
83) tert-Butylbenzene	13.23	119	9746	27.541	ug/l	90
84) 1,2,4-Trimethylbenzene	13.27	105	12350	30.425	ug/l	96
85) sec-Butylbenzene	13.40	105	13945	28.744	ug/l	99
86) p-Isopropyltoluene	13.53	119	12033	25.939	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	9002	38.733	ug/l	95
88) 1,4-Dichlorobenzene	13.60	146	9047	39.626	ug/l	97
89) n-Butylbenzene	13.86	91	10358	24.795	ug/l	97
90) Hexachloroethane	14.13	117	2387	26.938	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	8206	41.408	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	704	55.717	ug/l	85

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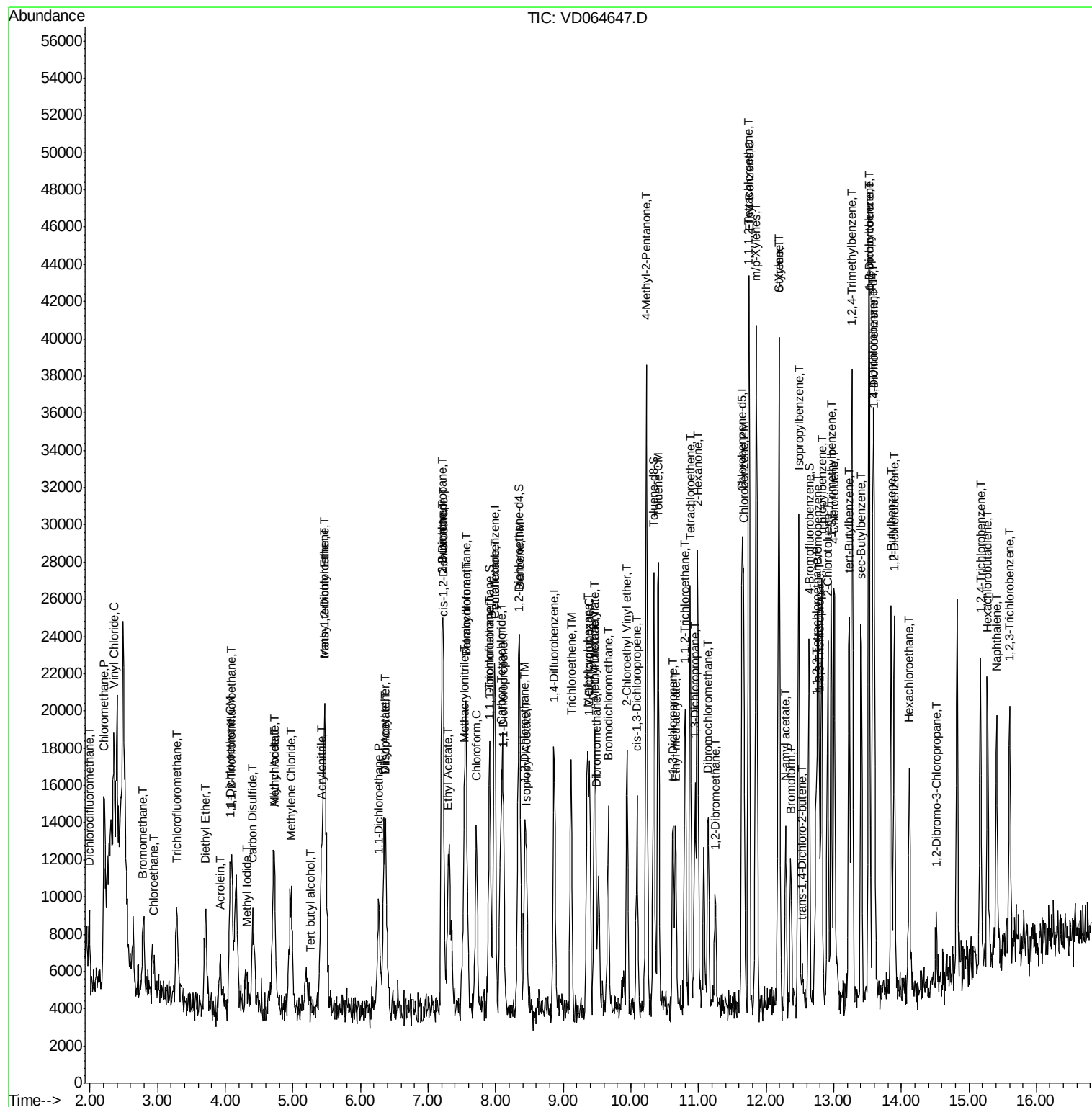
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	5384	36.897	ug/l	95
94) Hexachlorobutadiene	15.28	225	2935	31.964	ug/l	95
95) Naphthalene	15.41	128	10038	43.483	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	5214	41.855	ug/l	91

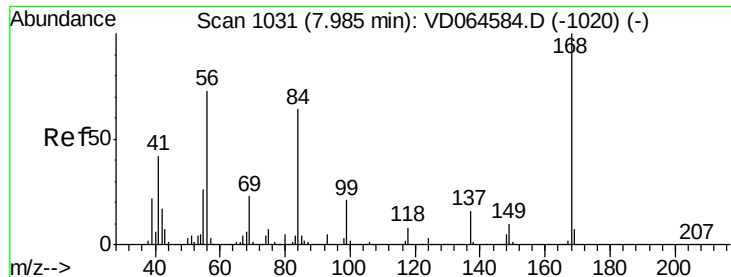
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122719\
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

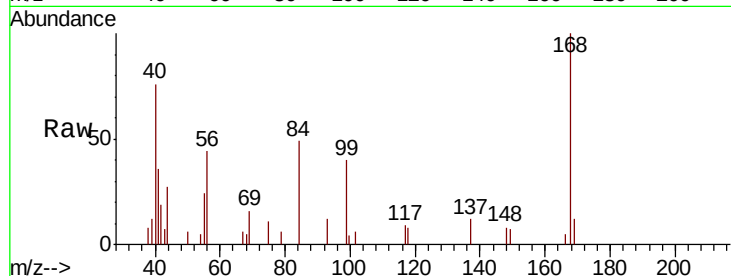
SB-2-(4-5)MS

Tot Ion:168 Resp: 8098

Ion Ratio Lower Upper

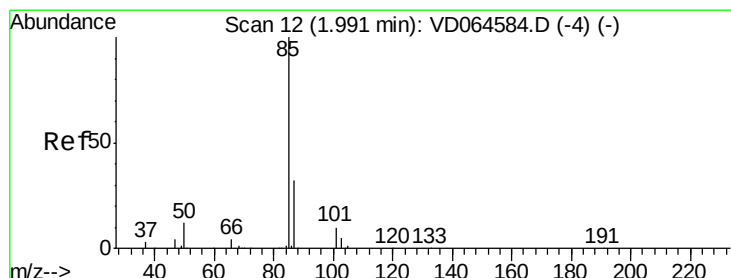
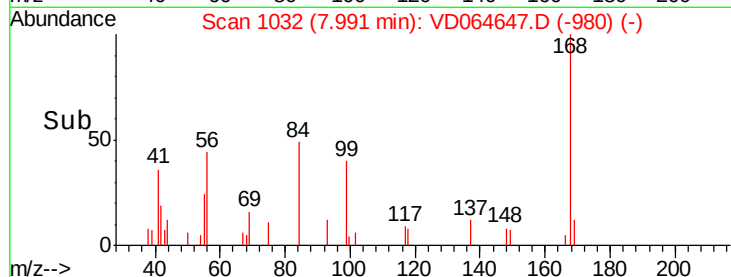
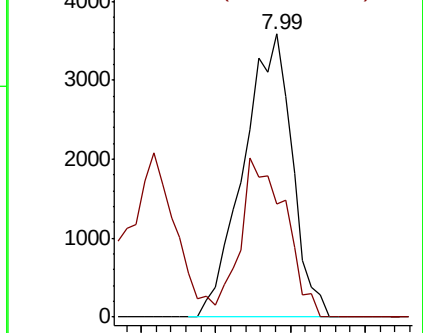
168 100

99 39.9 41.8 62.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 34.370 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064647.D

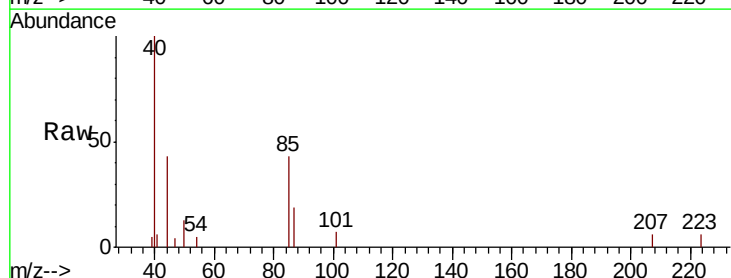
Acq: 27 Dec 2019 16:20

Tgt Ion: 85 Resp: 2163

Ion Ratio Lower Upper

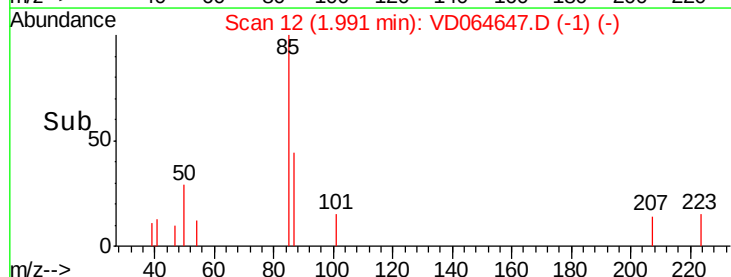
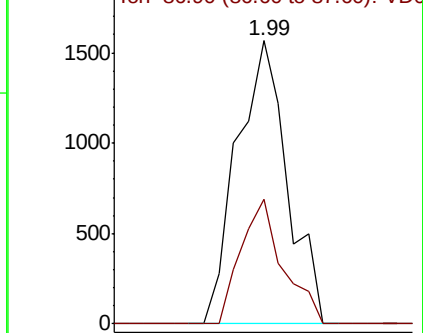
85 100

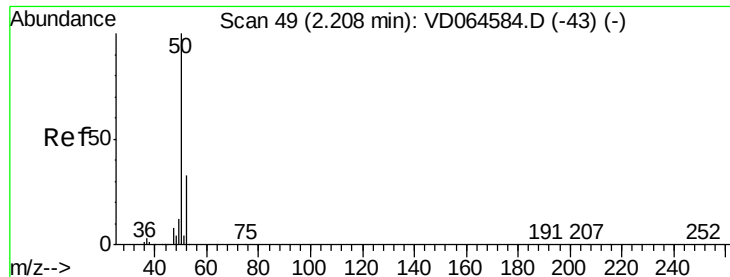
87 43.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.127 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

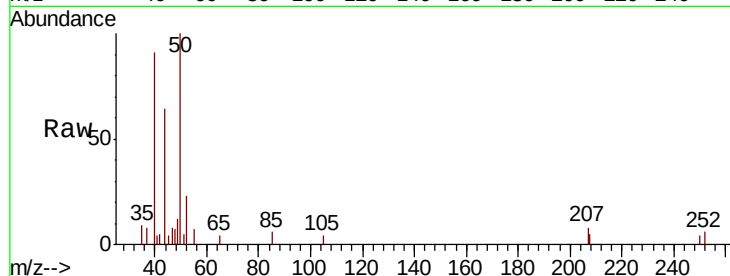
SB-2-(4-5)MS

Tot Ion: 50 Resp: 4764

Ion Ratio Lower Upper

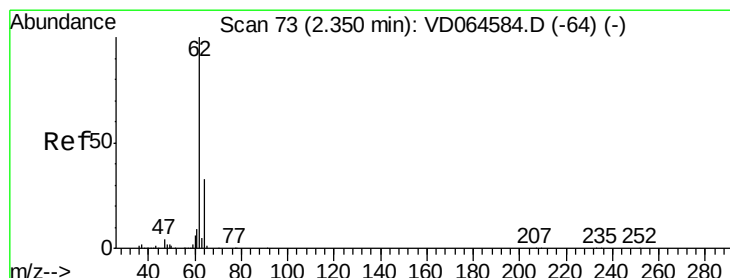
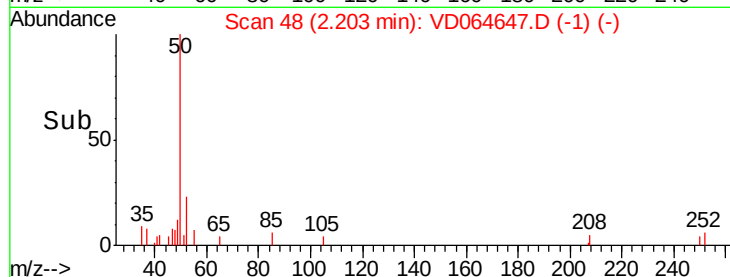
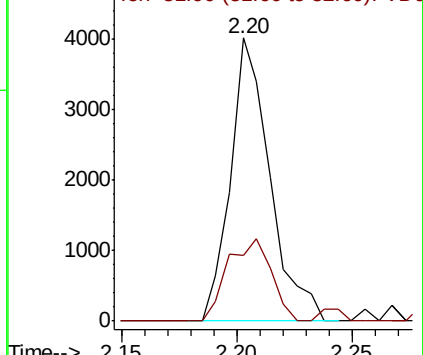
50 100

52 23.1 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: 45.930 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064647.D

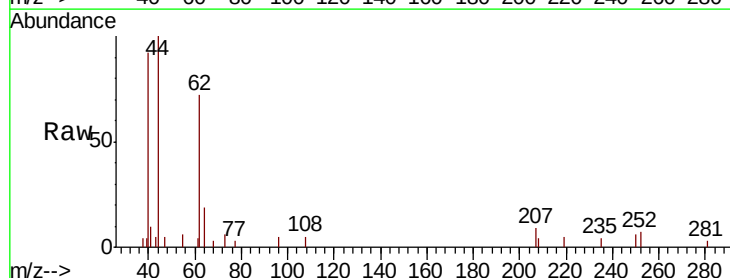
Acq: 27 Dec 2019 16:20

Tgt Ion: 62 Resp: 4929

Ion Ratio Lower Upper

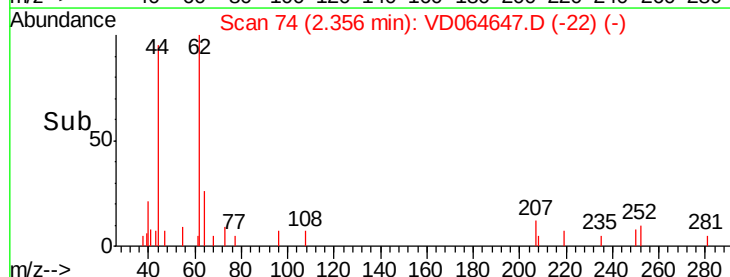
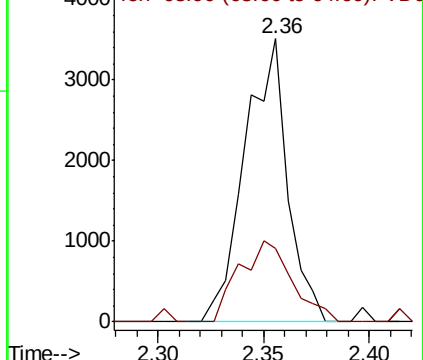
62 100

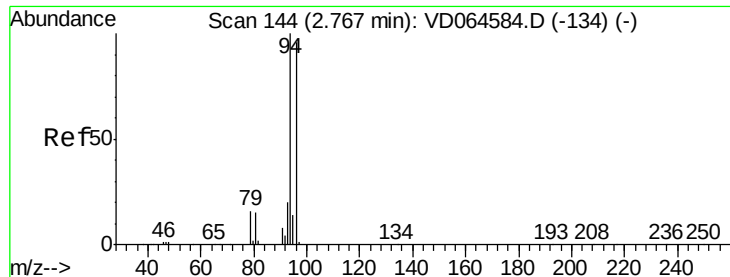
64 25.9 26.6 40.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 40.562 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

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ClientSampleId :

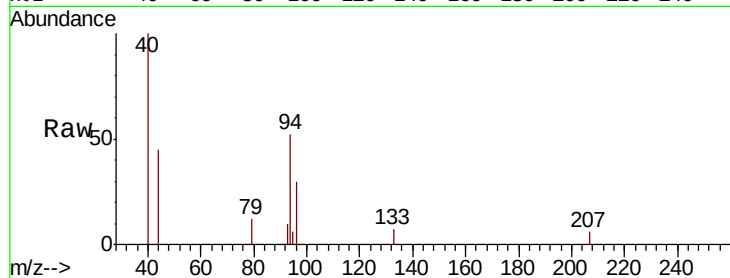
SB-2-(4-5)MS

Tot Ion: 94 Resp: 3165

Ion Ratio Lower Upper

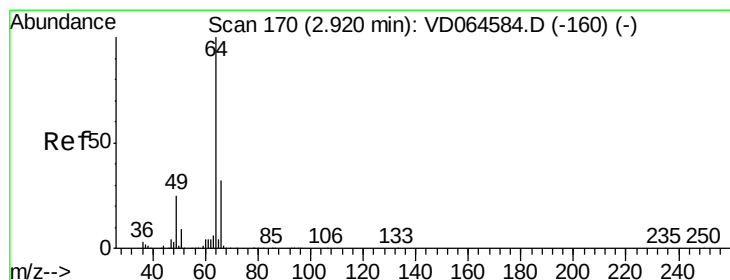
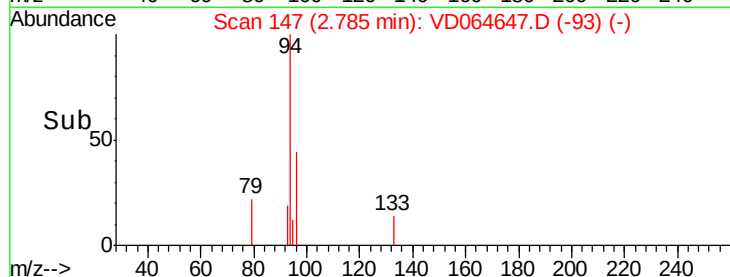
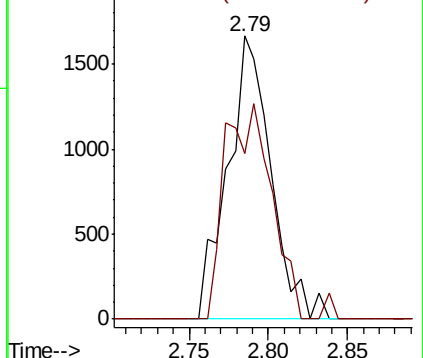
94 100

96 58.5 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: 33.404 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD064647.D

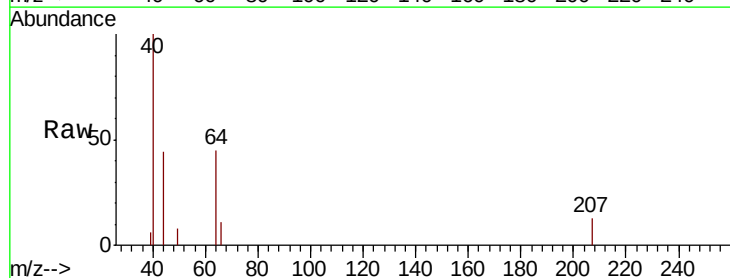
Acq: 27 Dec 2019 16:20

Tgt Ion: 64 Resp: 2402

Ion Ratio Lower Upper

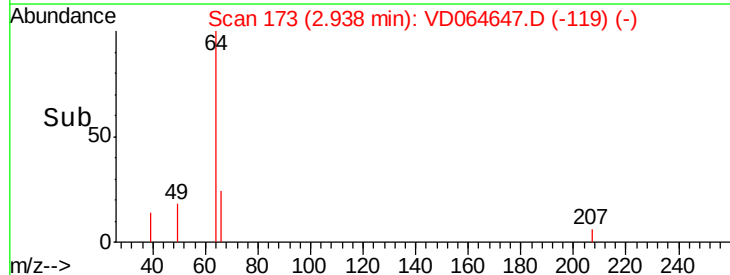
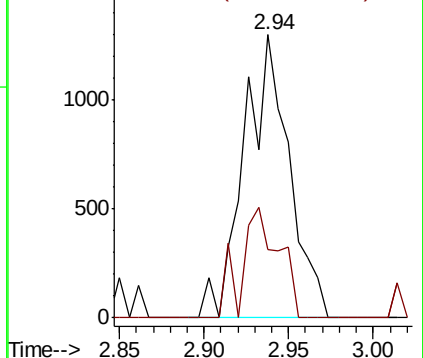
64 100

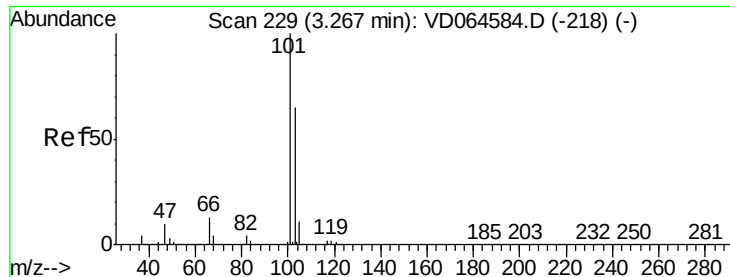
66 24.2 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



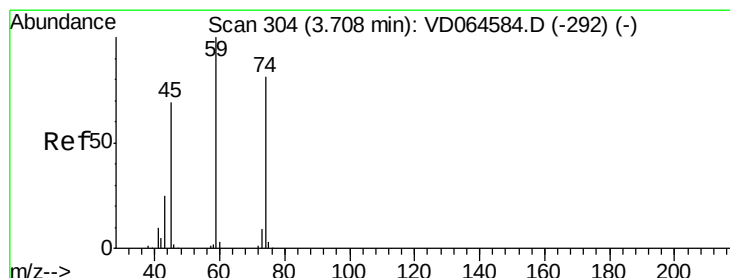
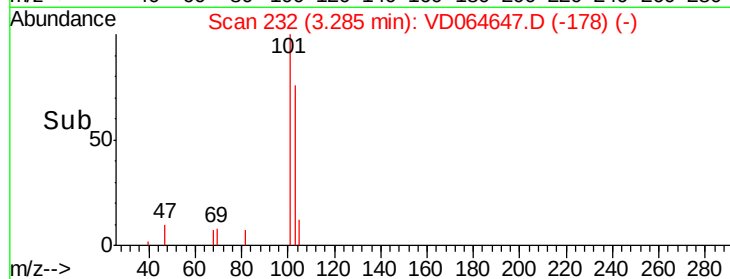
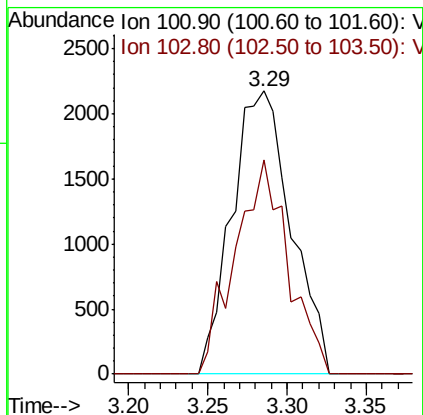
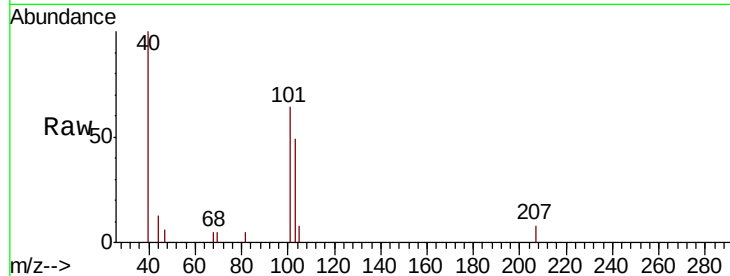


#7

Trichlorofluoromethane
Concen: 31.285 ug/l
RT: 3.29 min Scan# 232
Delta R.T. 0.02 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

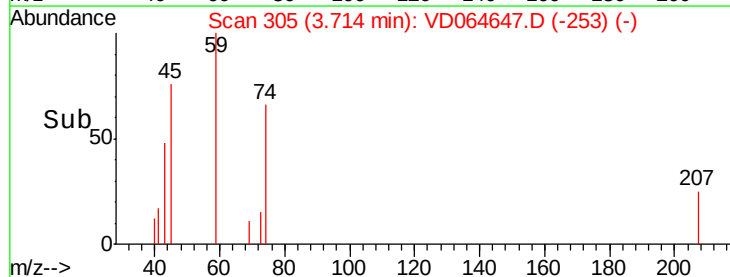
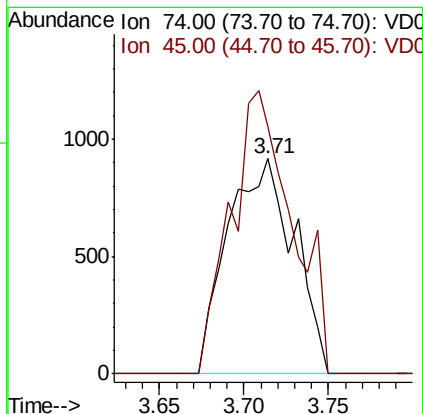
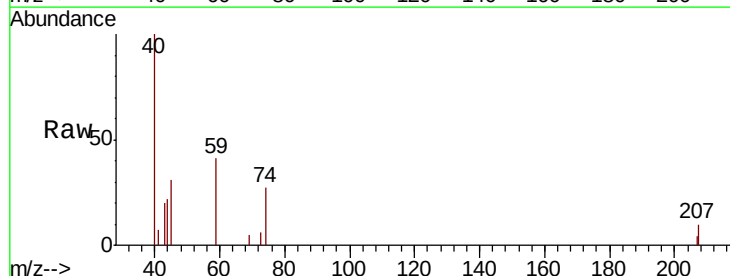
Tot Ion:101 Resp: 5653
Ion Ratio Lower Upper
101 100
103 75.9 52.2 78.4

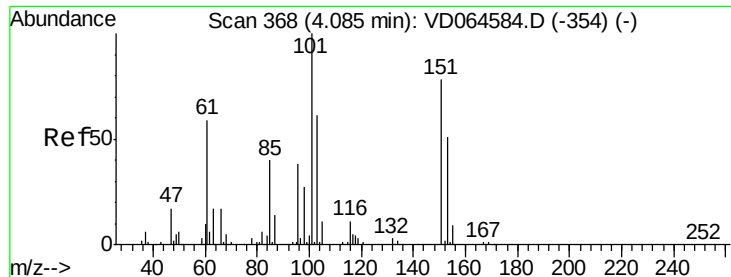


#8

Diethyl Ether
Concen: 70.035 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 74 Resp: 2513
Ion Ratio Lower Upper
74 100
45 121.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.269 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

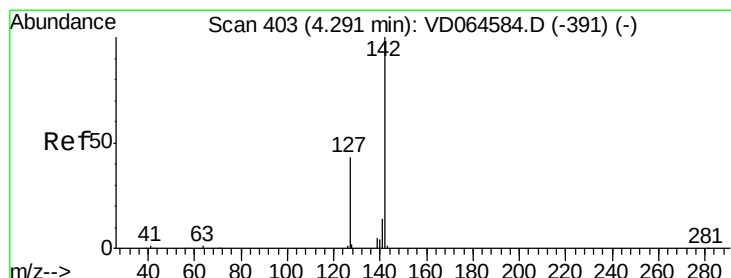
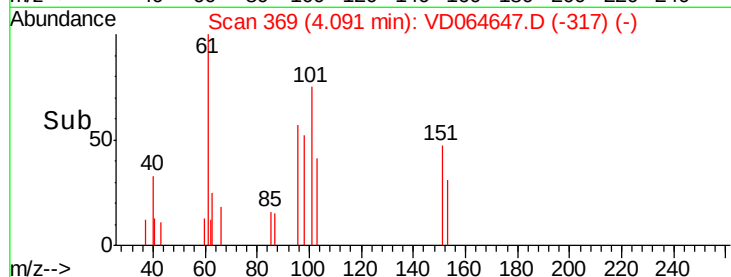
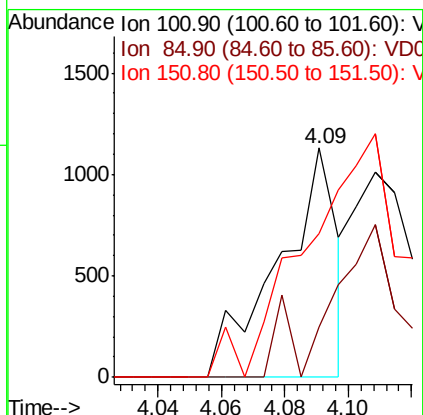
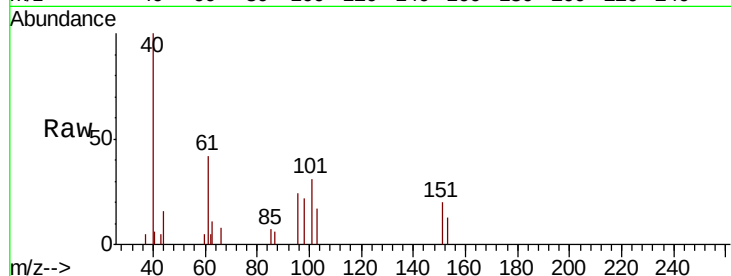
Tot Ion:101 Resp: 1442

Ion Ratio Lower Upper

101 100

85 9.8 35.2 52.8#

151 0.0 66.2 99.4#



#10

Methyl Iodide

Concen: 37.533 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

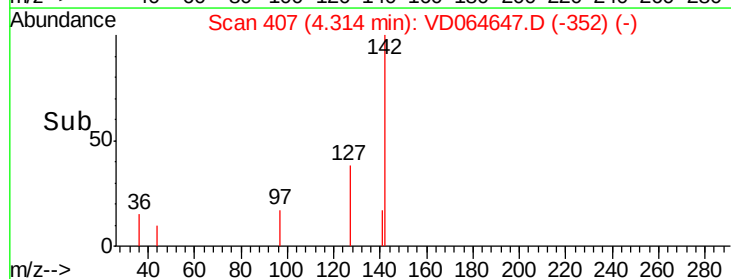
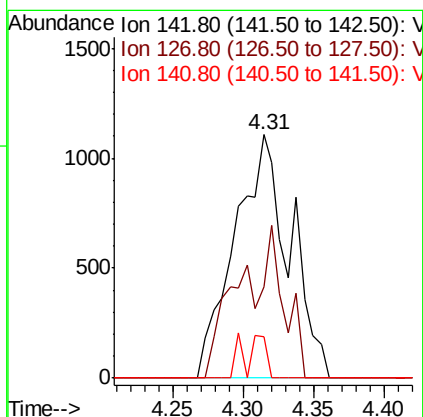
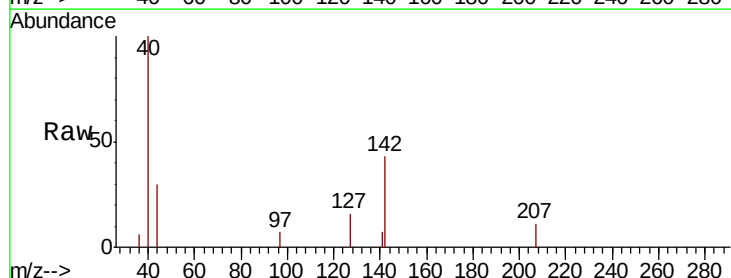
Tgt Ion:142 Resp: 3017

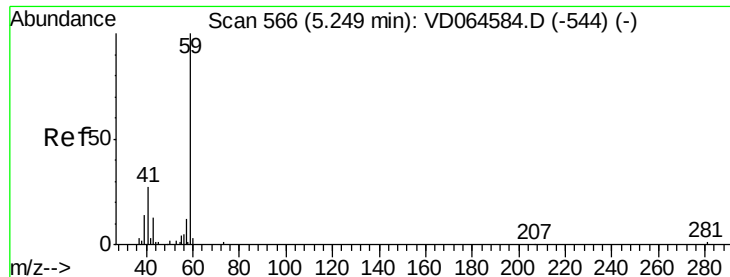
Ion Ratio Lower Upper

142 100

127 24.4 36.2 54.4#

141 0.0 11.8 17.8#



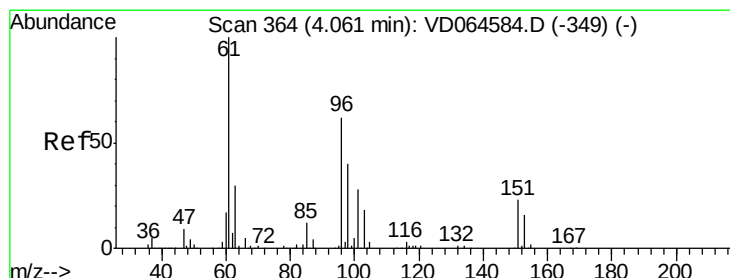
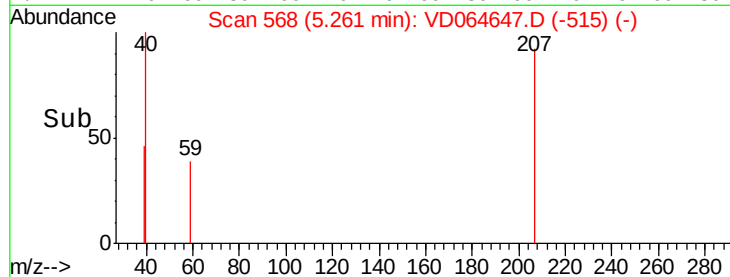
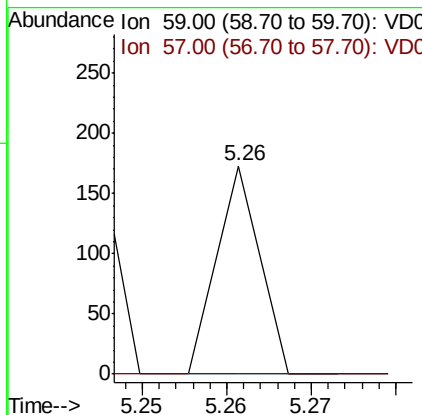
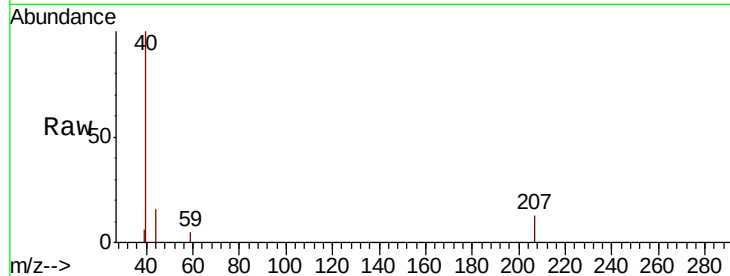


#11

Tert butyl alcohol
 Concen: 14.906 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

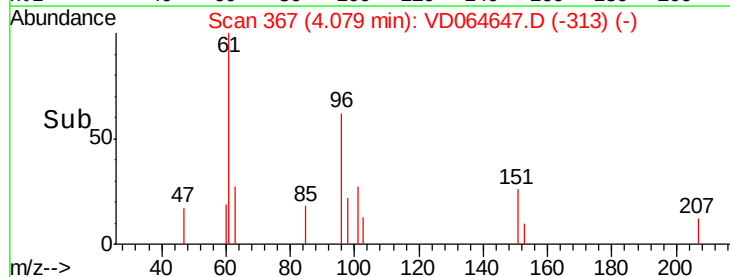
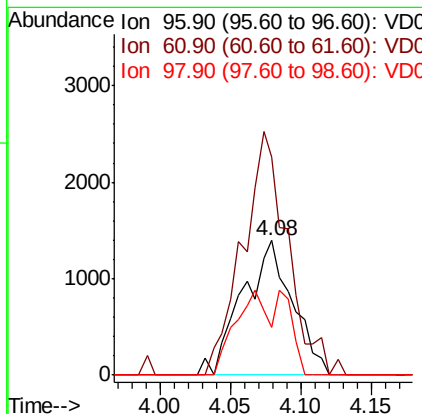
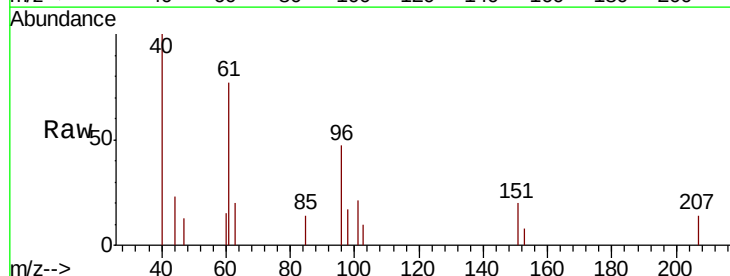
Tot Ion: 59 Resp: 61
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

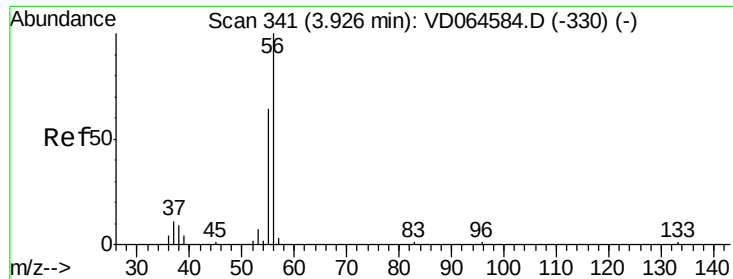


#12

1,1-Dichloroethene
 Concen: 48.593 ug/l
 RT: 4.08 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion: 96 Resp: 3462
 Ion Ratio Lower Upper
 96 100
 61 162.0 129.4 194.0
 98 35.9 51.4 77.0#





#13

Acrolein

Concen: 540.560 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

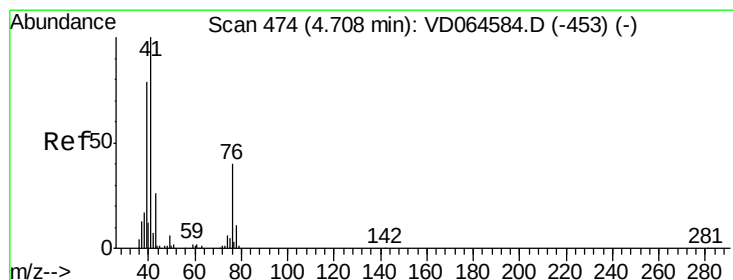
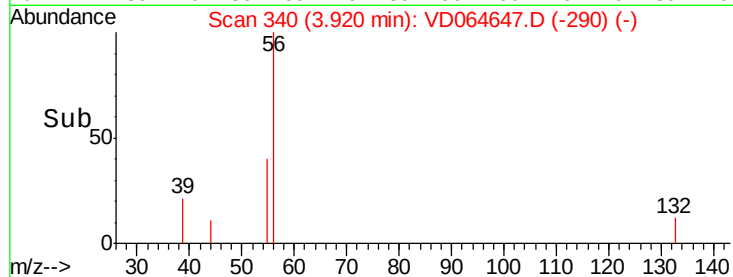
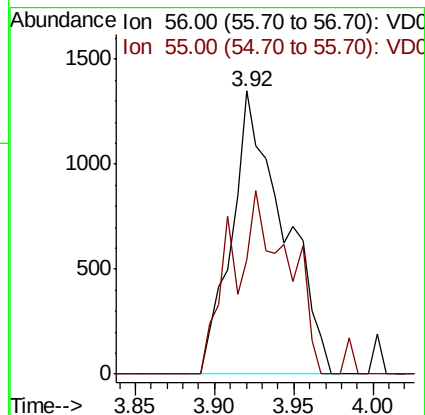
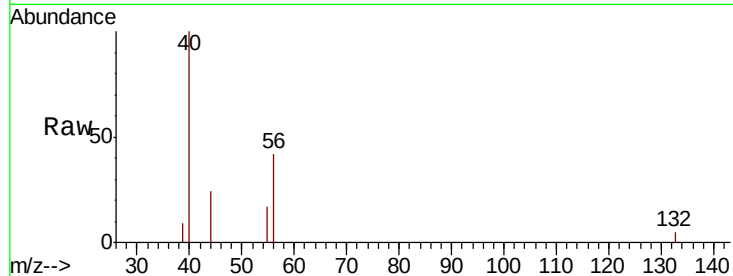
SB-2-(4-5)MS

Tot Ion: 56 Resp: 3083

Ion Ratio Lower Upper

56 100

55 50.6 56.7 85.1#



#14

Allyl chloride

Concen: 57.688 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.02 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

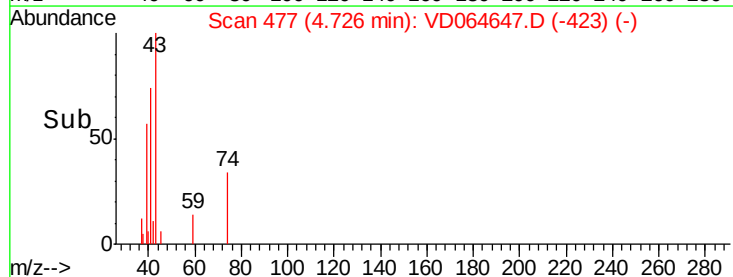
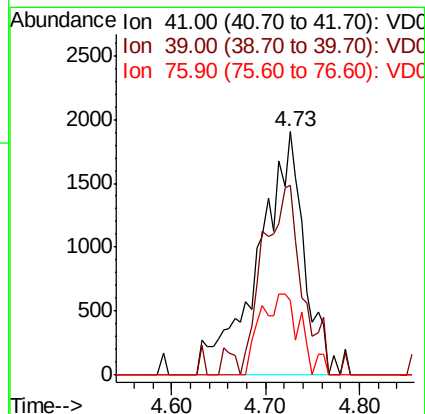
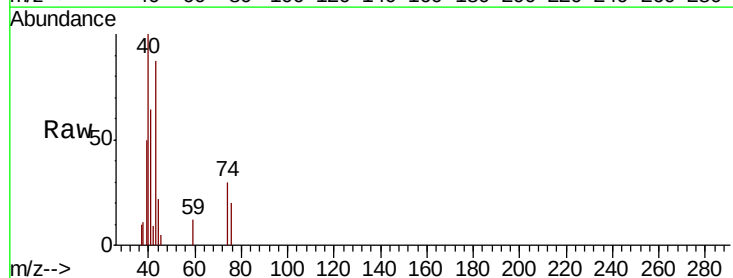
Tgt Ion: 41 Resp: 6408

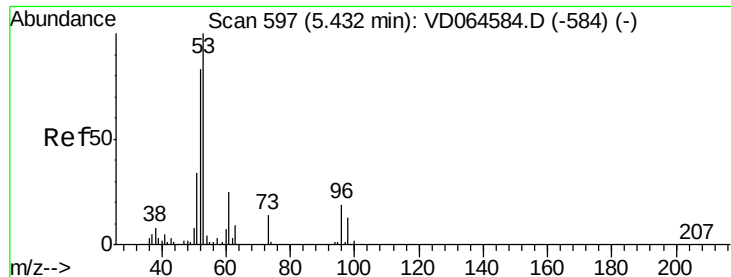
Ion Ratio Lower Upper

41 100

39 66.4 62.3 93.5

76 27.7 29.7 44.5#





#15

Acrylonitrile

Concen: 662.514 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

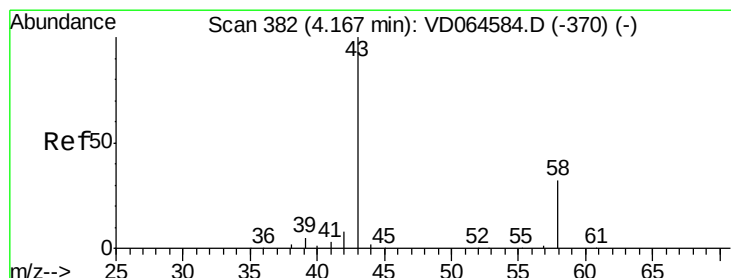
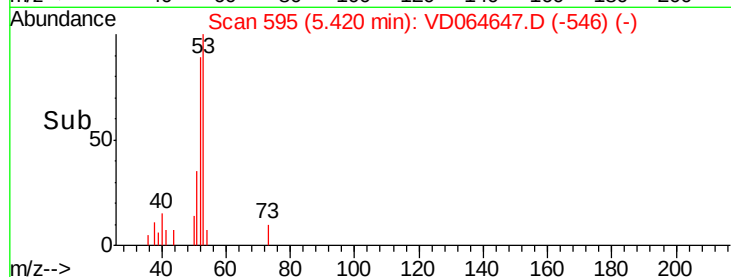
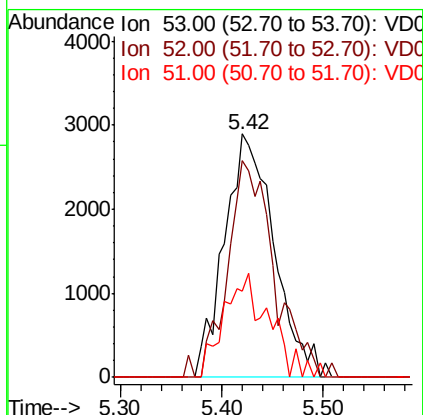
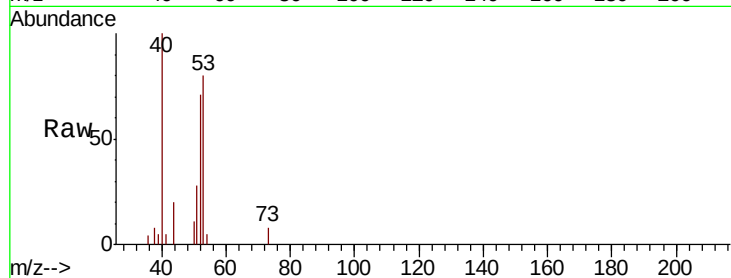
Tot Ion: 53 Resp: 9902

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.2

51 27.3 30.1 45.1#



#16

Acetone

Concen: Below Cal

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064647.D

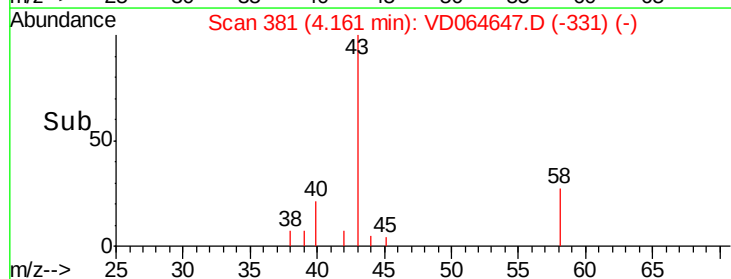
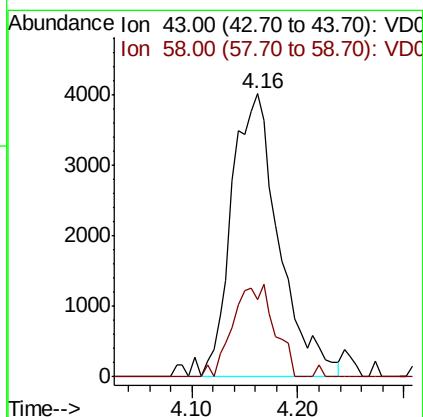
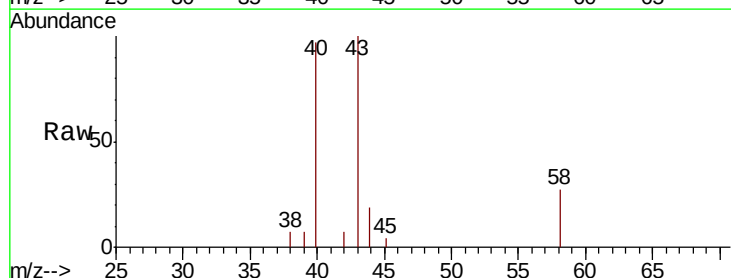
Acq: 27 Dec 2019 16:20

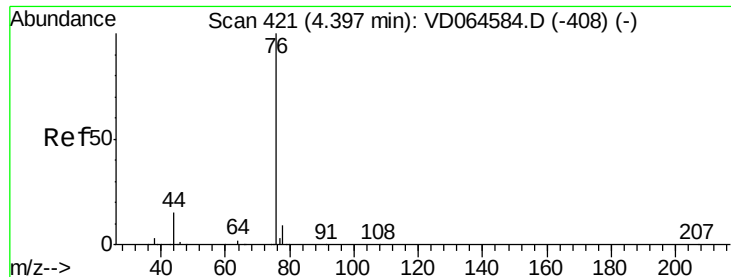
Tgt Ion: 43 Resp: 12609

Ion Ratio Lower Upper

43 100

58 27.2 25.8 38.6

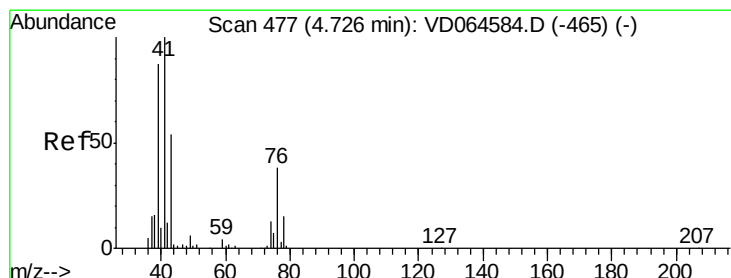
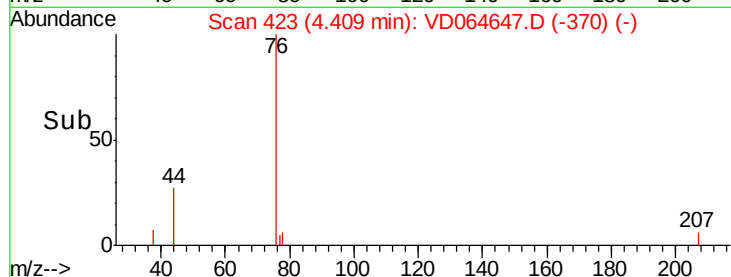
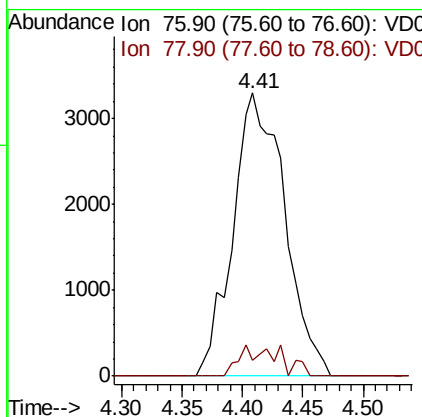
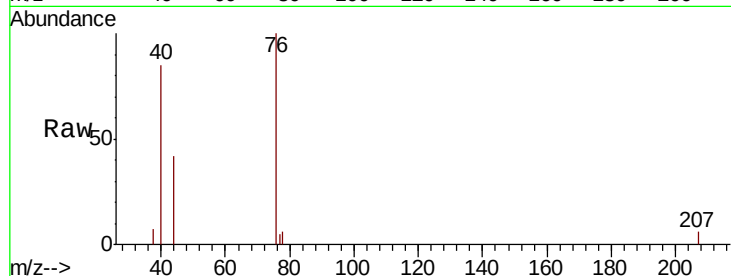




#17
Carbon Disulfide
Concen: 42.658 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

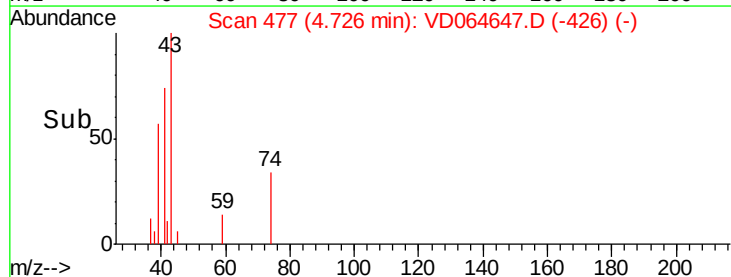
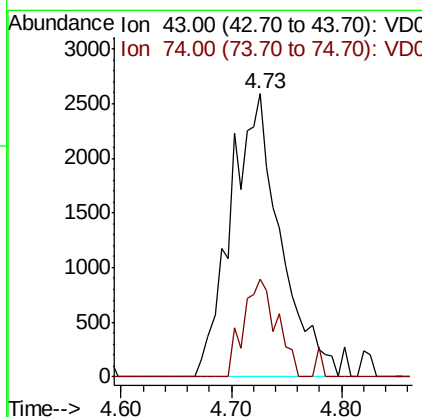
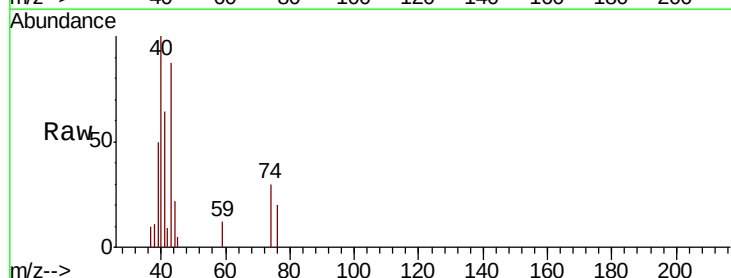
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

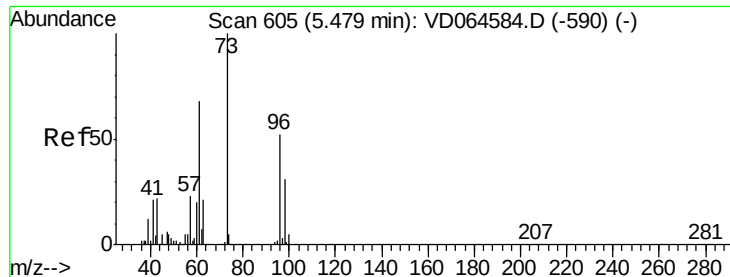
Tot Ion: 76 Resp: 9827
Ion Ratio Lower Upper
76 100
78 5.7 7.3 10.9#



#18
Methyl Acetate
Concen: 202.555 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 43 Resp: 8143
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8

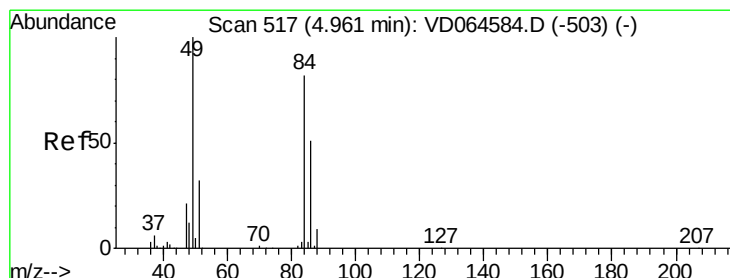
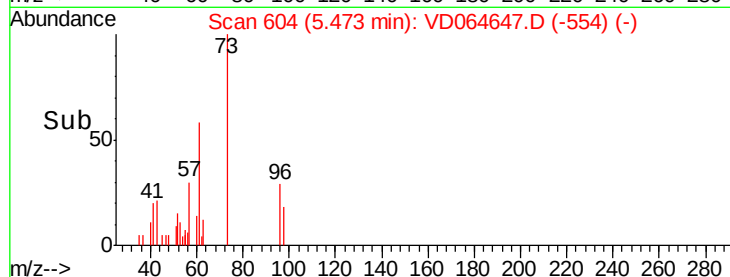
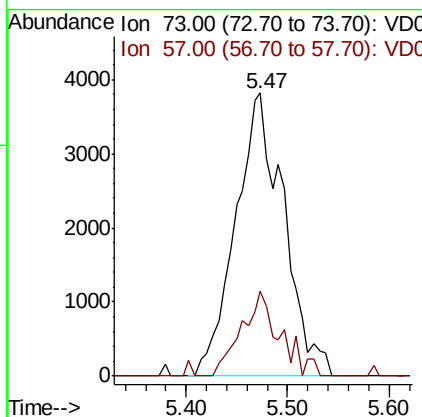
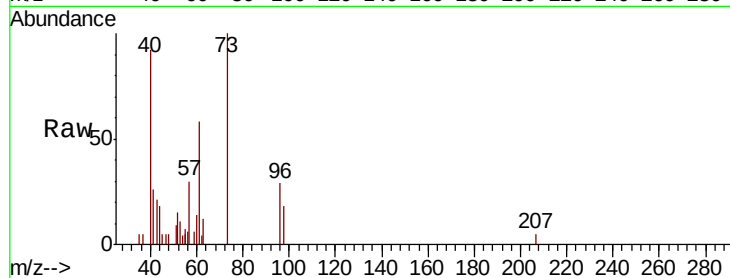




#19
Methyl tert-butyl Ether
Concen: 79.547 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

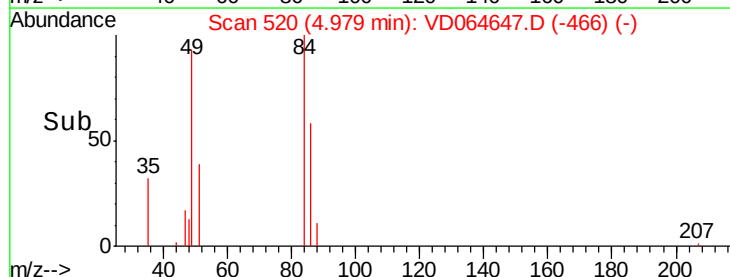
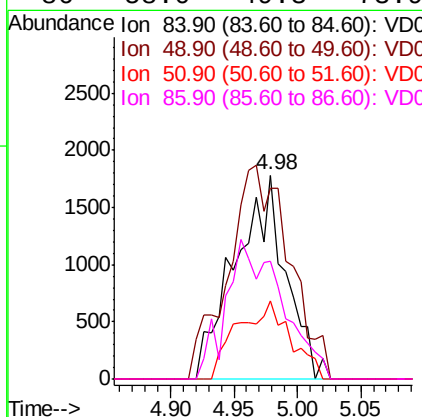
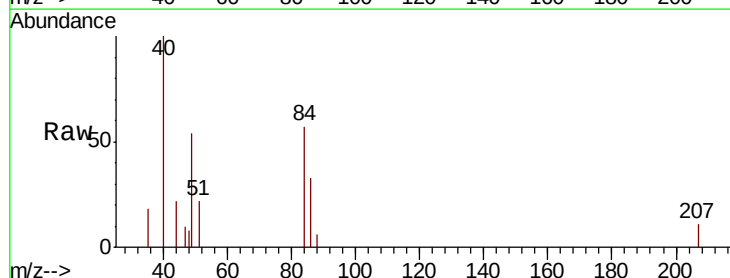
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

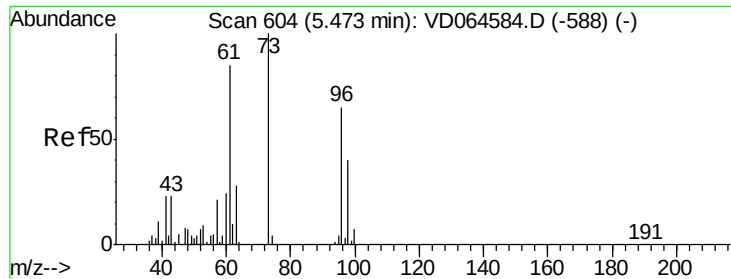
Tot Ion: 73 Resp: 12588
Ion Ratio Lower Upper
73 100
57 29.8 18.6 27.8#



#20
Methylene Chloride
Concen: 69.752 ug/l
RT: 4.98 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 84 Resp: 4953
Ion Ratio Lower Upper
84 100
49 93.4 97.2 145.8#
51 38.6 31.4 47.0
86 58.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 27.176 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

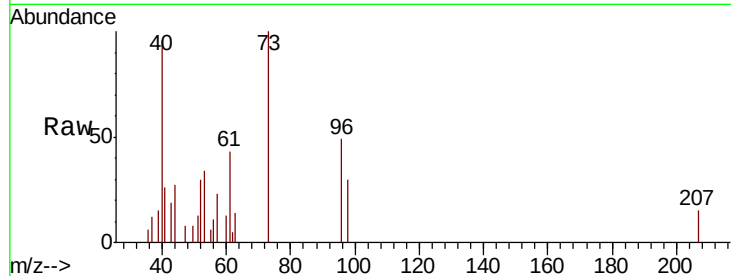
Tot Ion: 96 Resp: 2205

Ion Ratio Lower Upper

96 100

61 87.2 104.7 157.1#

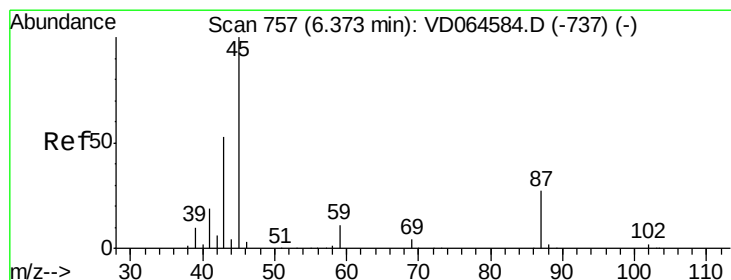
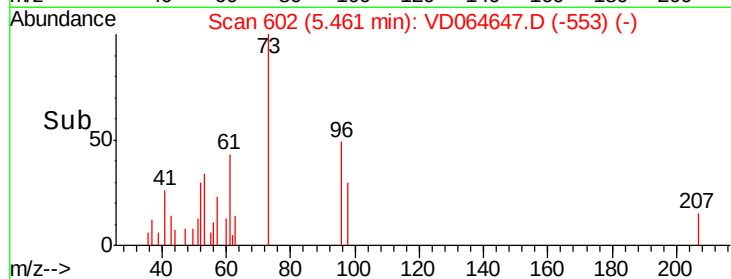
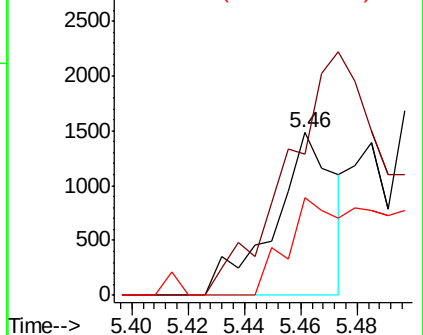
98 60.0 49.4 74.2



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: 58.495 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Tgt Ion: 45 Resp: 12960

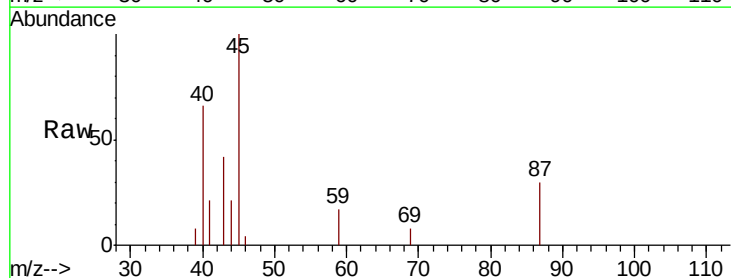
Ion Ratio Lower Upper

45 100

43 42.3 43.2 64.8#

87 29.9 21.9 32.9

59 17.0 9.0 13.4#

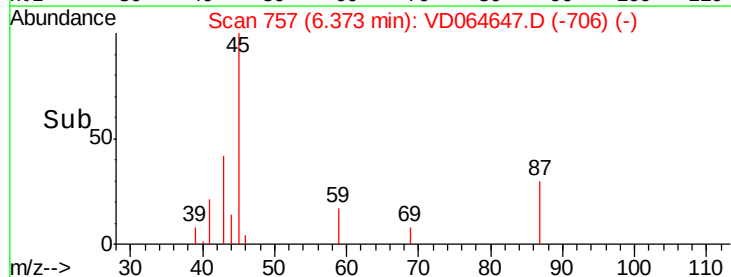
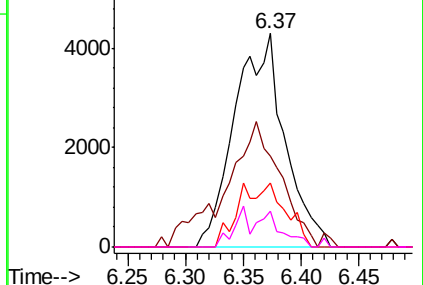


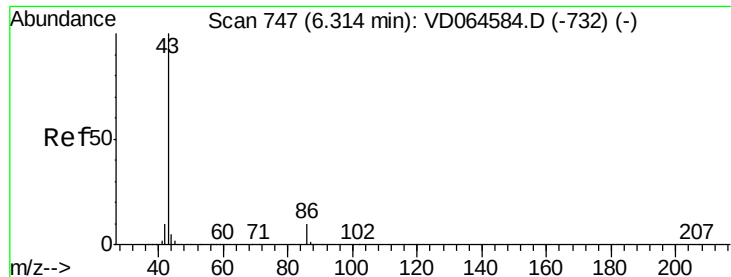
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 67.130 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.05 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

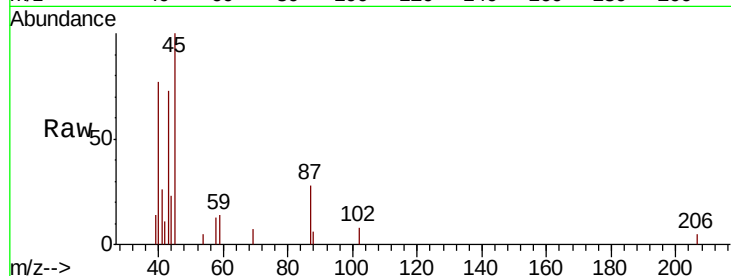
SB-2-(4-5)MS

Tot Ion: 43 Resp: 8437

Ion Ratio Lower Upper

43 100

86 0.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.36

2500

2000

1500

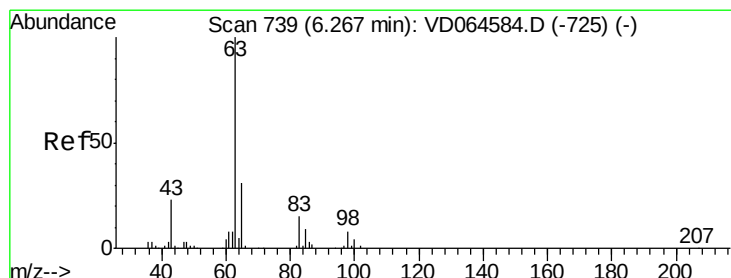
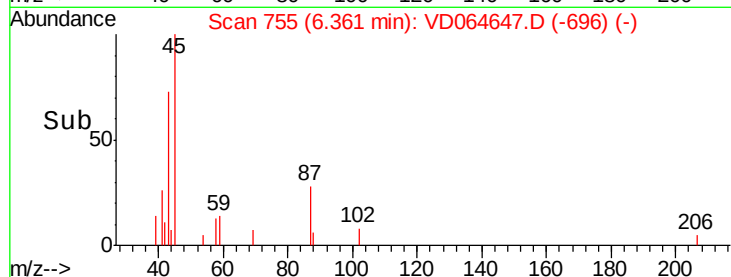
1000

500

0

6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 59.365 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

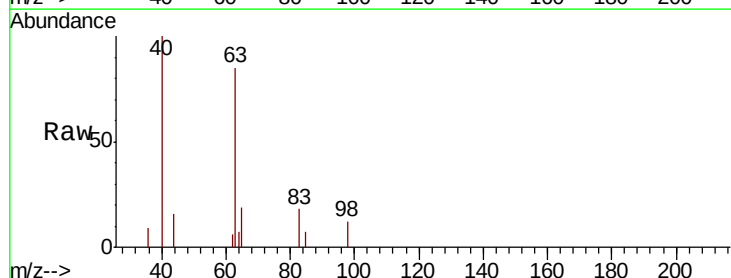
Tgt Ion: 63 Resp: 7896

Ion Ratio Lower Upper

63 100

98 14.2 4.1 12.3#

100 0.0 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

6.26

3000

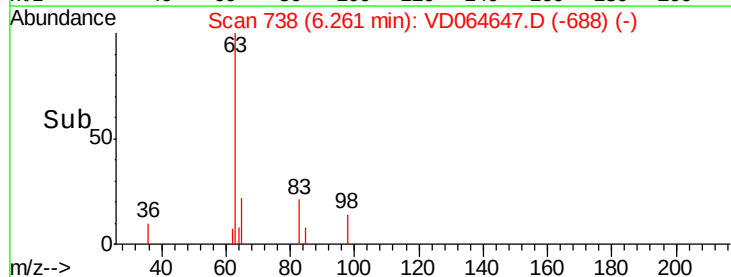
2000

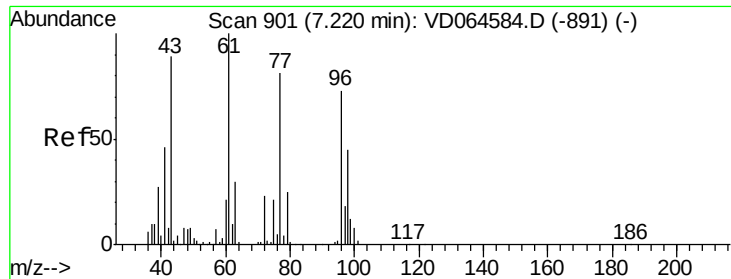
1000

0

6.15 6.20 6.25 6.30 6.35

Time-->





#25

2-Butanone

Concen: 692.323 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

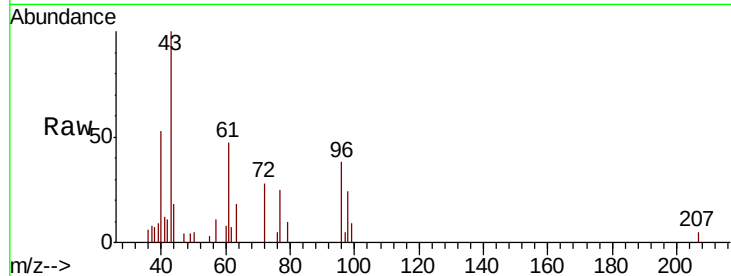
SB-2-(4-5)MS

Tot Ion: 43 Resp: 13589

Ion Ratio Lower Upper

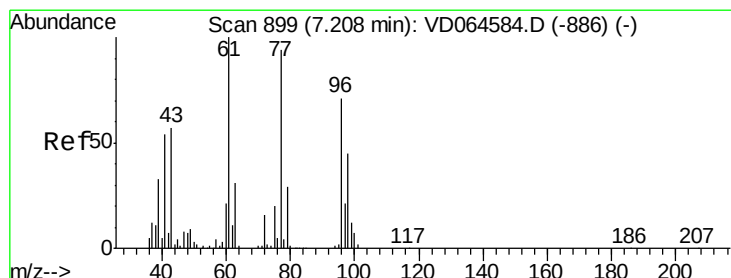
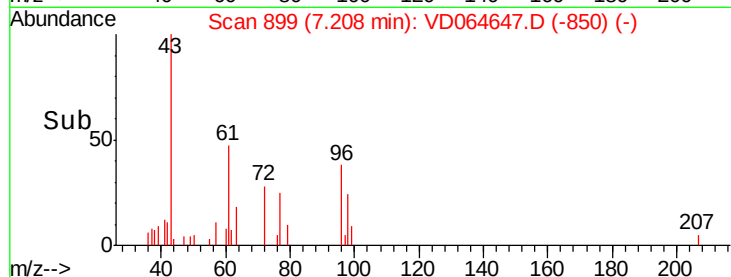
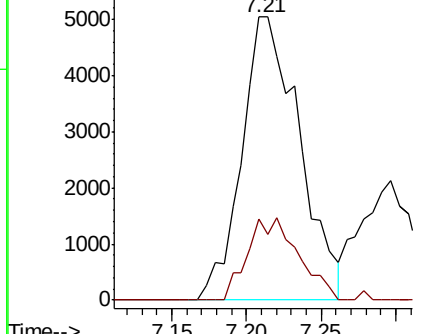
43 100

72 28.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 33.170 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064647.D

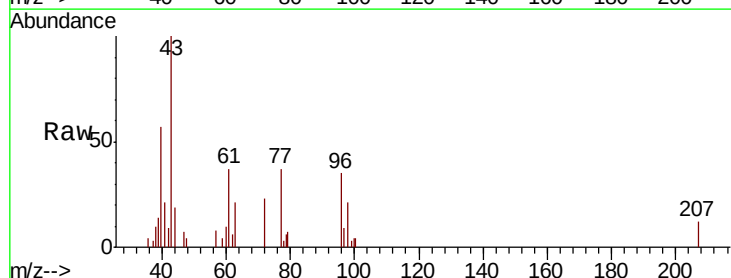
Acq: 27 Dec 2019 16:20

Tgt Ion: 77 Resp: 4102

Ion Ratio Lower Upper

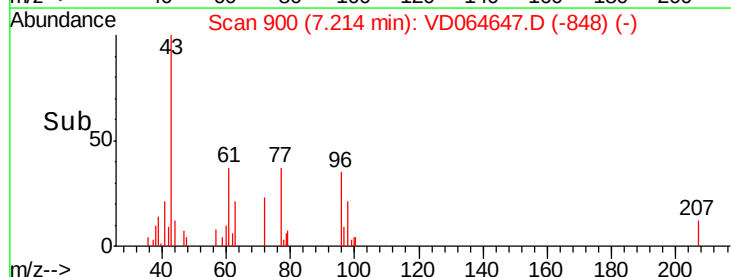
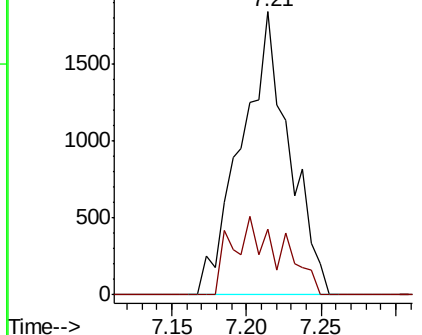
77 100

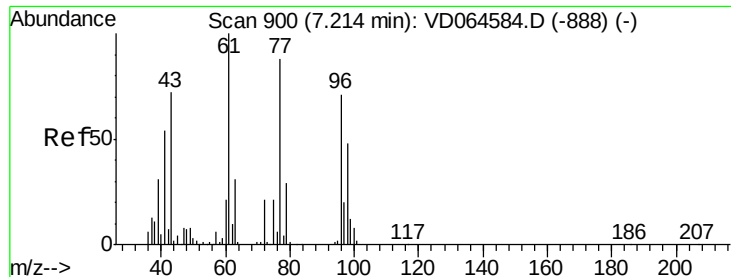
97 28.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



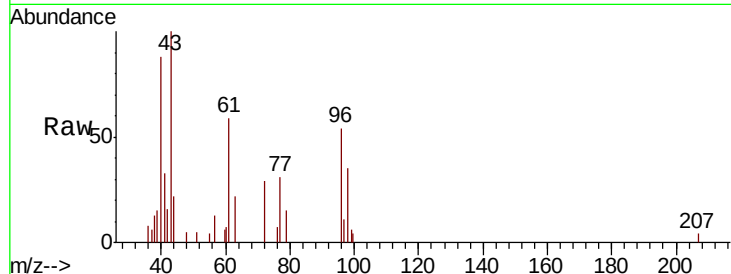


#27

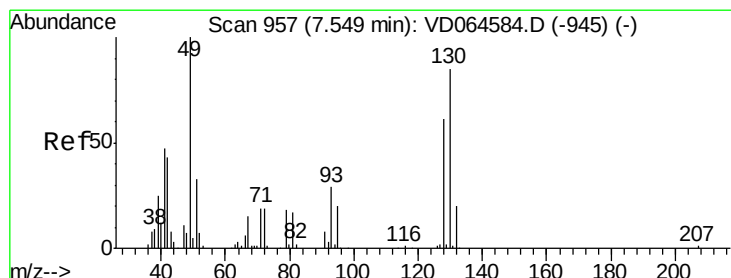
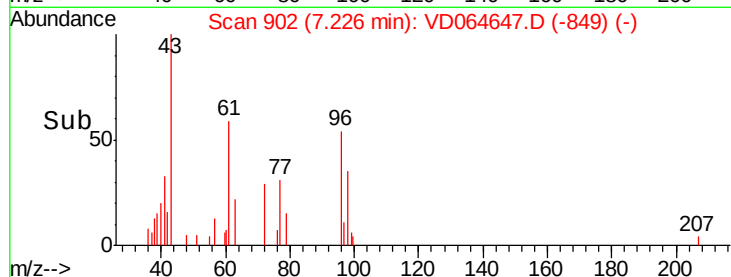
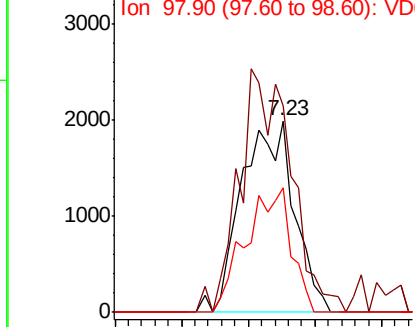
cis-1,2-Dichloroethene
 Concen: 61.931 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	282.6
98	56.4	0.0	130.8



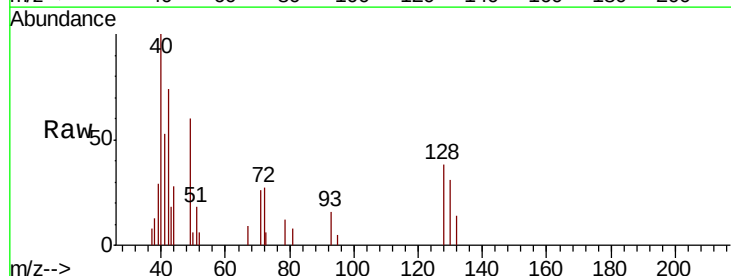
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



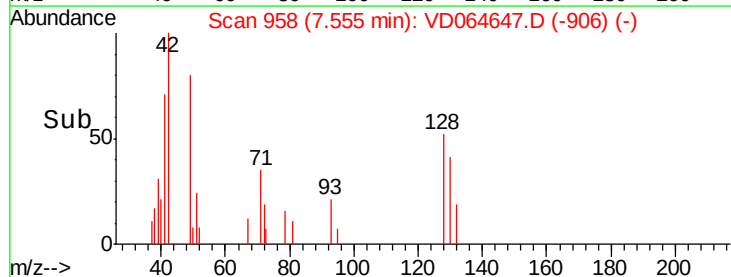
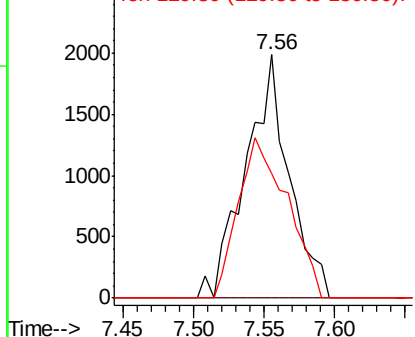
#28

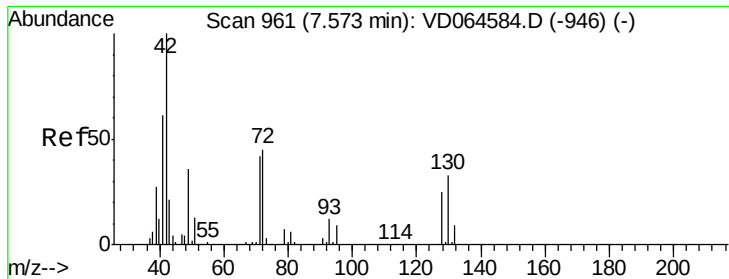
Bromochloromethane
 Concen: 83.107 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	74.0	65.0	97.6



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





#29

Tetrahydrofuran

Concen: 648.274 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

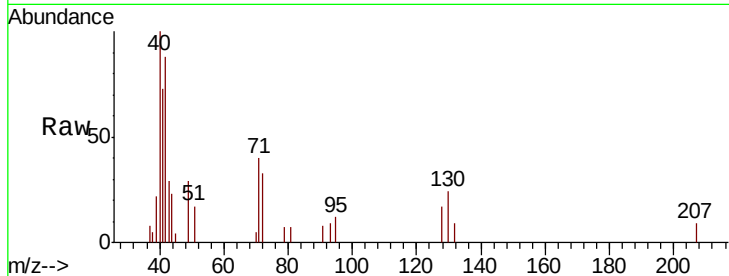
Tot Ion: 42 Resp: 7913

Ion Ratio Lower Upper

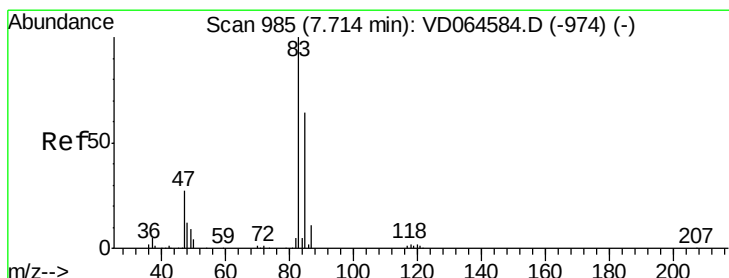
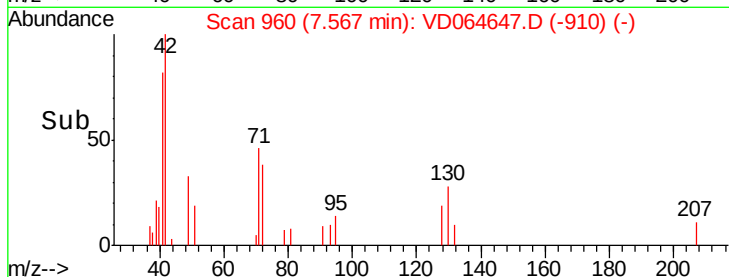
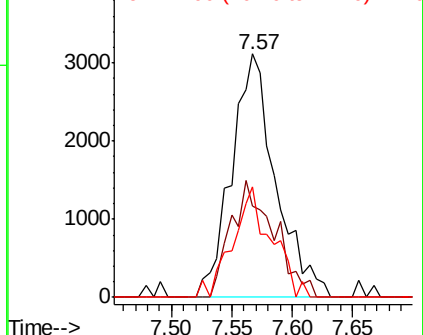
42 100

72 46.7 35.0 52.4

71 39.9 32.9 49.3



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



#30

Chloroform

Concen: 59.528 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064647.D

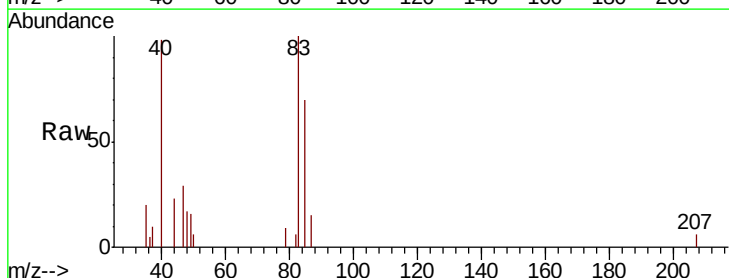
Acq: 27 Dec 2019 16:20

Tgt Ion: 83 Resp: 8307

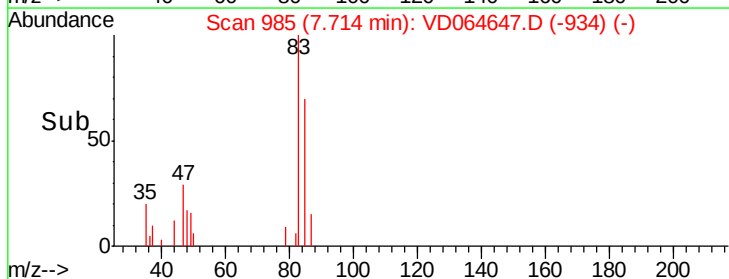
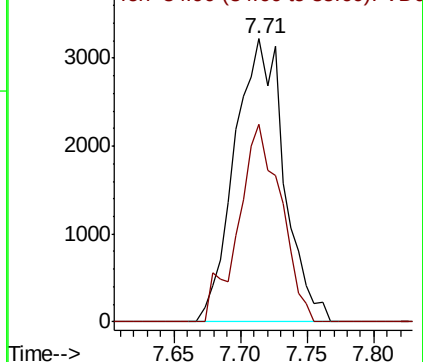
Ion Ratio Lower Upper

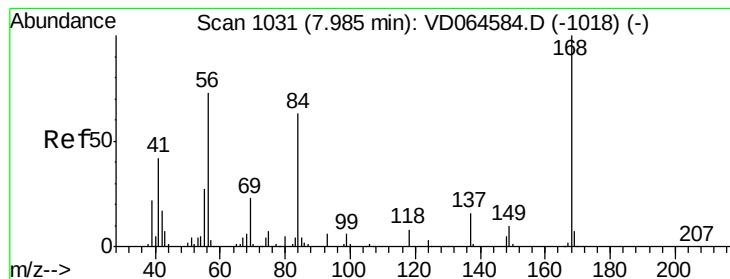
83 100

85 69.9 51.1 76.7



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





#31

Cyclohexane

Concen: 35.361 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

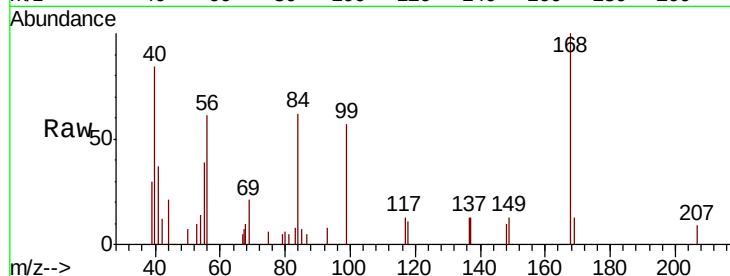
Tot Ion: 56 Resp: 4708

Ion Ratio Lower Upper

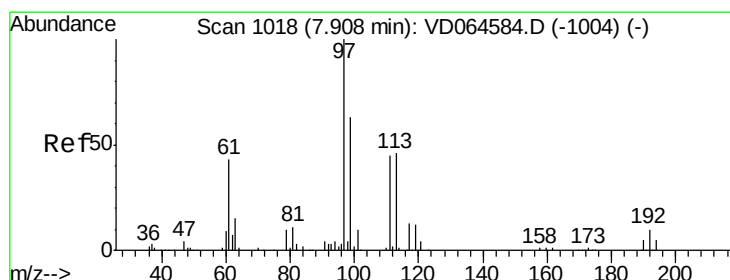
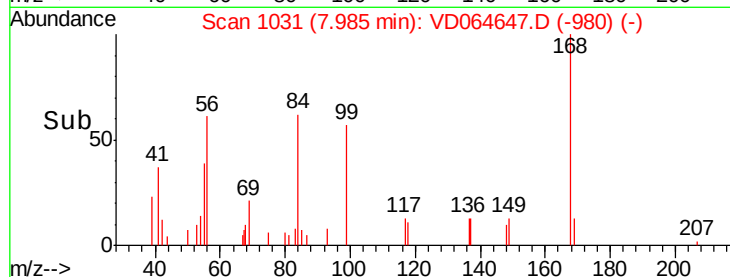
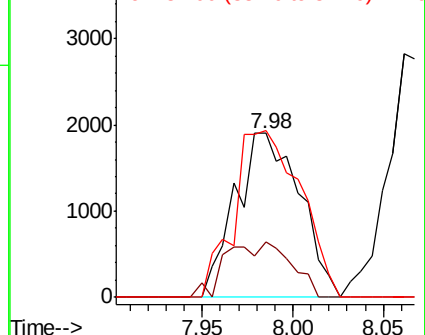
56 100

69 33.5 24.7 37.1

84 101.9 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 48.614 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

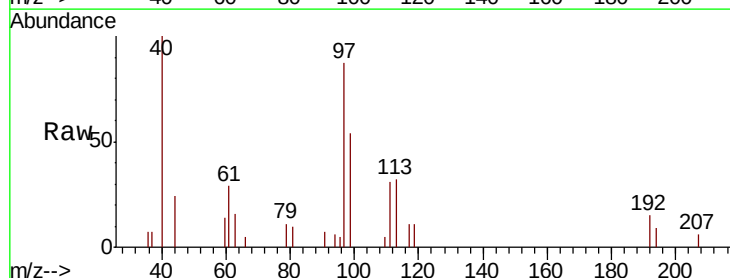
Tgt Ion: 97 Resp: 6372

Ion Ratio Lower Upper

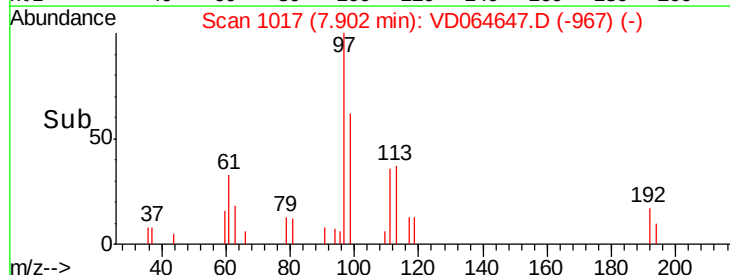
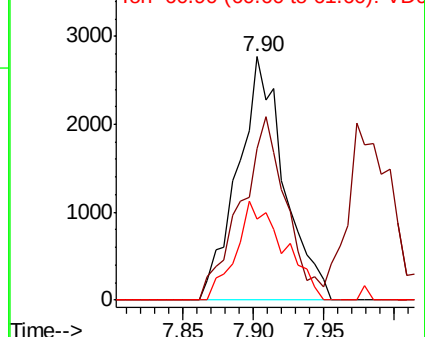
97 100

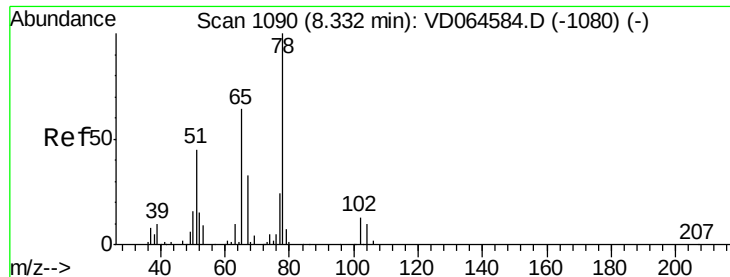
99 73.8 51.0 76.6

61 41.7 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

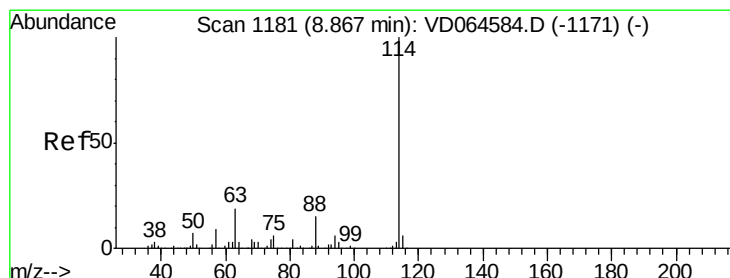
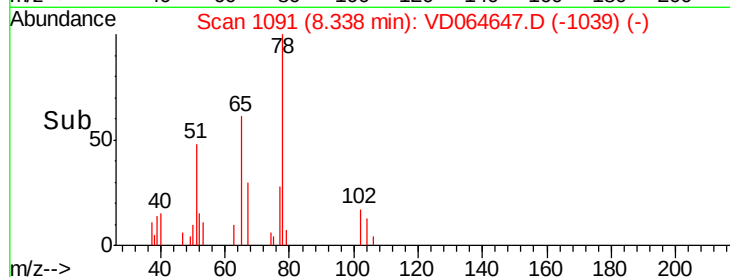
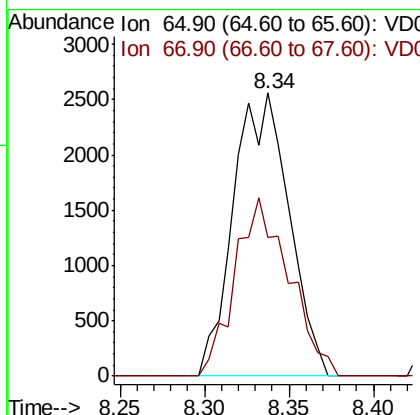
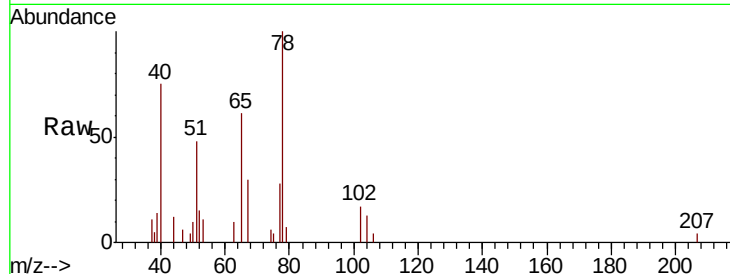




#33
 1,2-Dichloroethane-d4
 Concen: 81.770 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

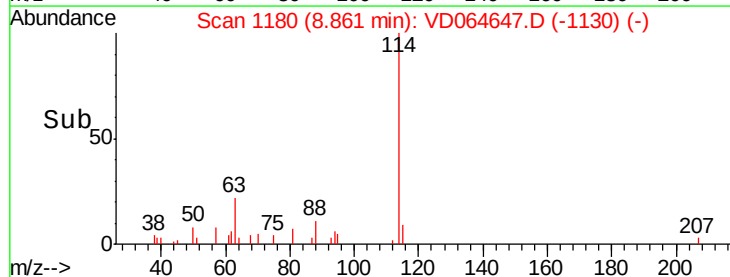
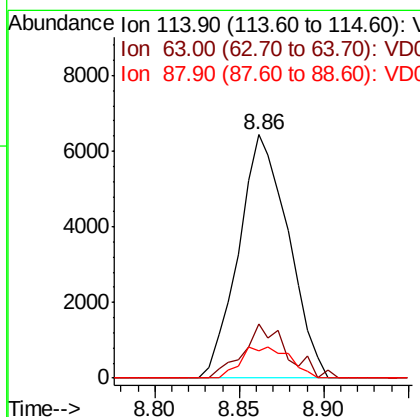
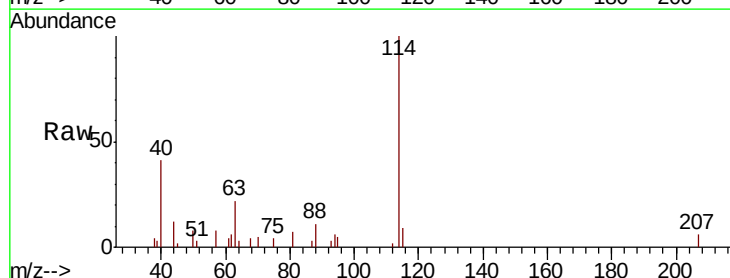
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

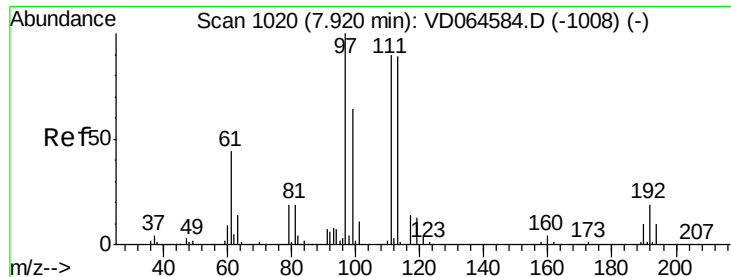
Tot Ion: 65 Resp: 5839
 Ion Ratio Lower Upper
 65 100
 67 61.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion: 114 Resp: 13189
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 38.0
 88 11.4 0.0 29.2

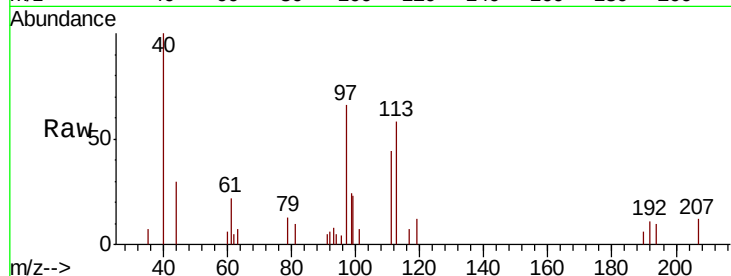




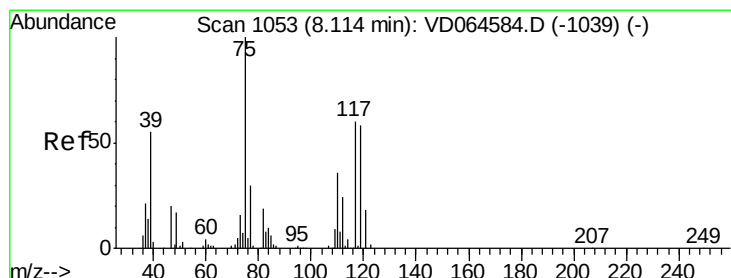
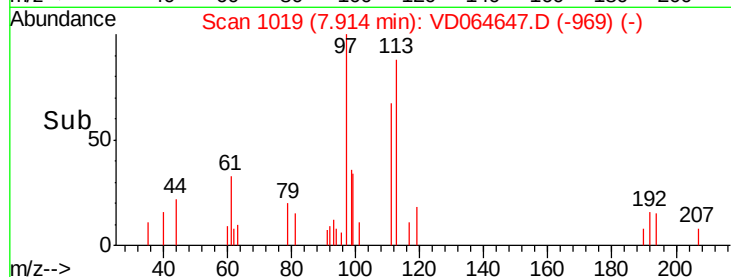
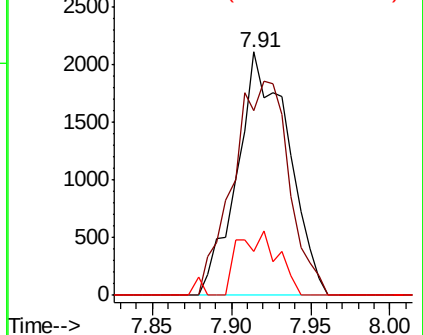
#35
 Dibromofluoromethane
 Concen: 58.616 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion:113 Resp: 4743
 Ion Ratio Lower Upper
 113 100
 111 96.7 80.6 121.0
 192 20.5 17.9 26.9

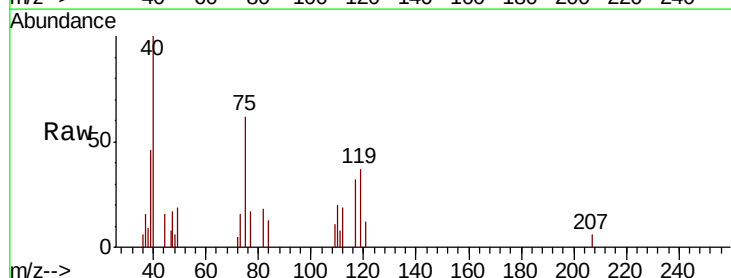


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

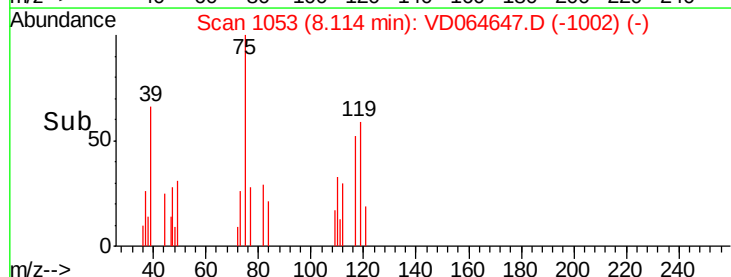
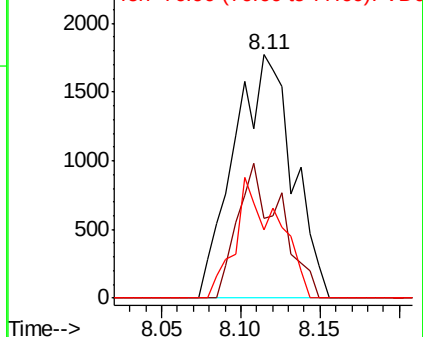


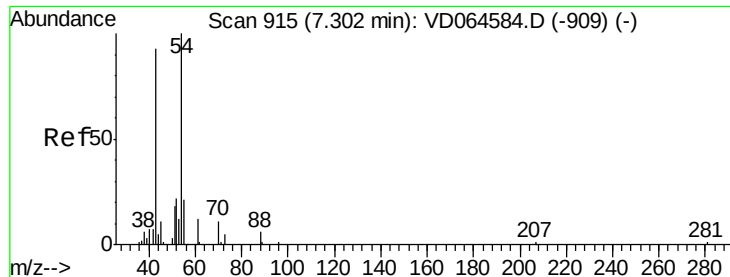
#36
 1,1-Dichloropropene
 Concen: 36.087 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion: 75 Resp: 4581
 Ion Ratio Lower Upper
 75 100
 110 40.3 18.1 54.1
 77 35.9 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

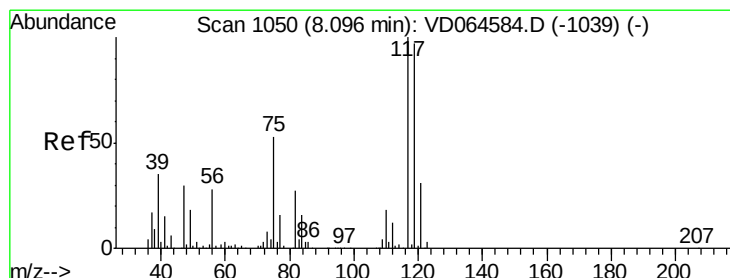
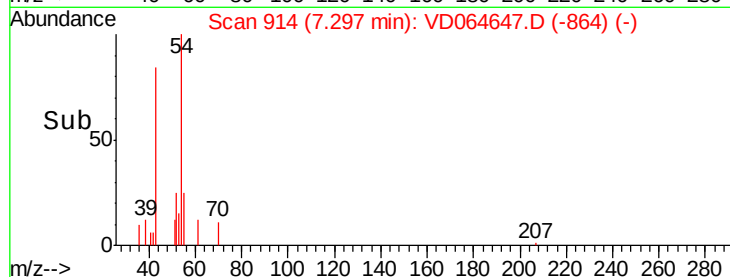
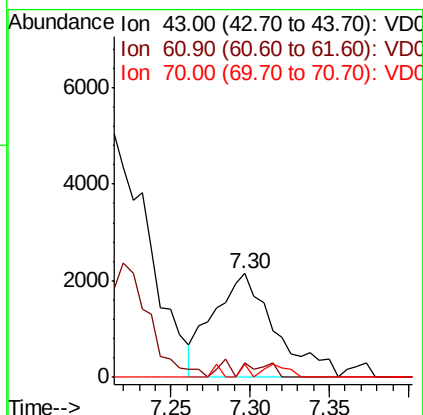
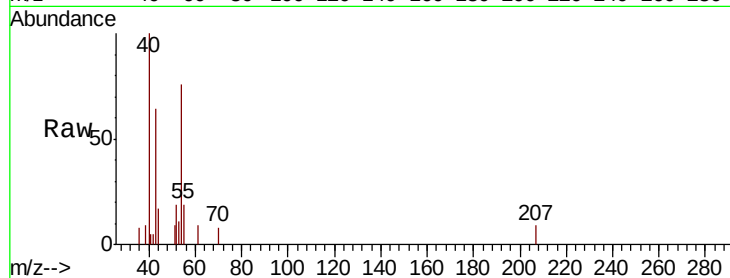




#37
Ethyl Acetate
Concen: 116.142 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

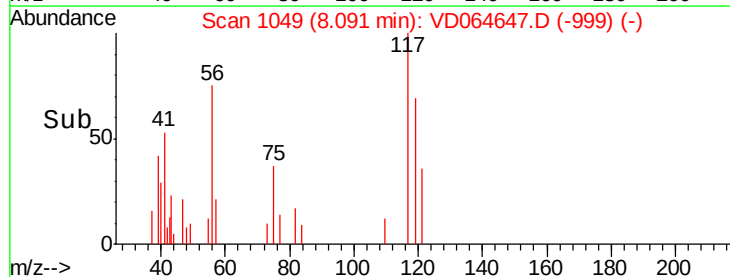
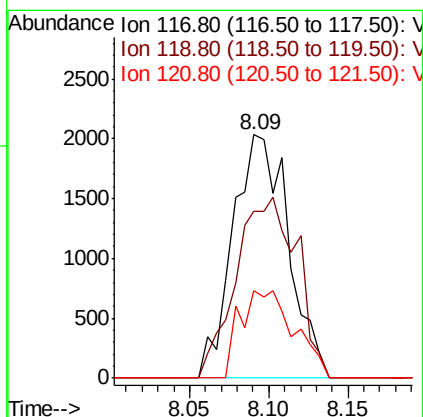
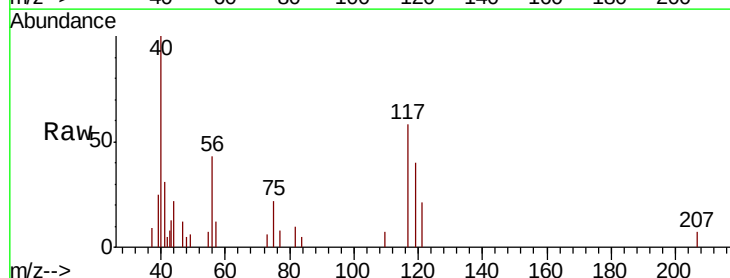
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

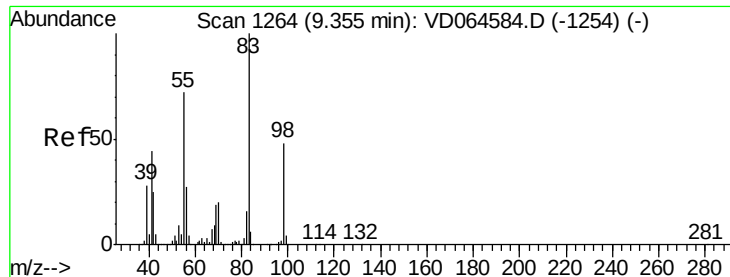
Tot Ion: 43 Resp: 5792
Ion Ratio Lower Upper
43 100
61 6.1 10.3 15.5#
70 1.7 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 36.532 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 117 Resp: 4945
Ion Ratio Lower Upper
117 100
119 68.7 77.3 115.9#
121 36.1 25.0 37.6

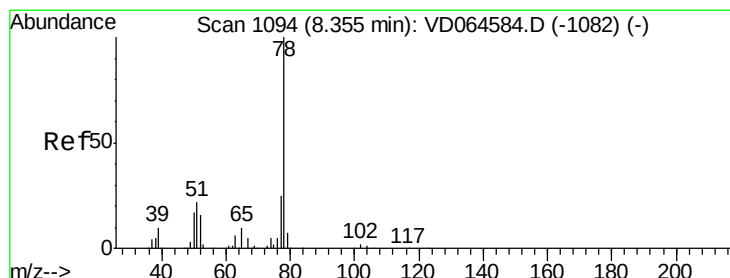
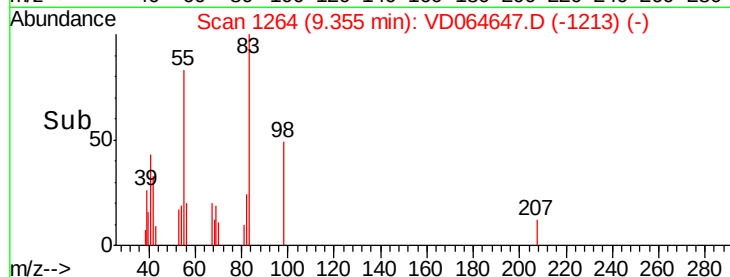
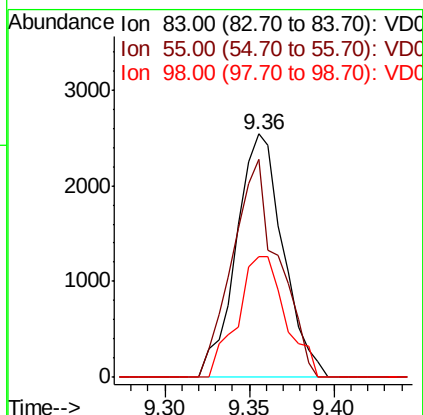
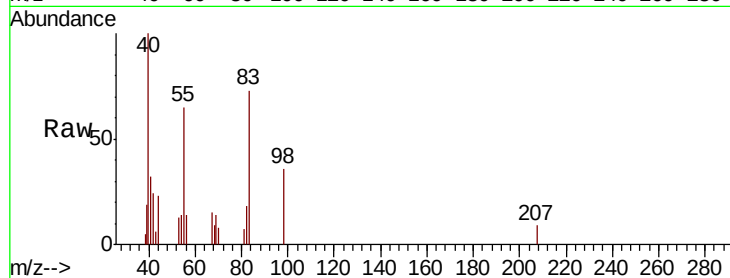




#39
Methylvlcyclohexane
Concen: 31.909 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

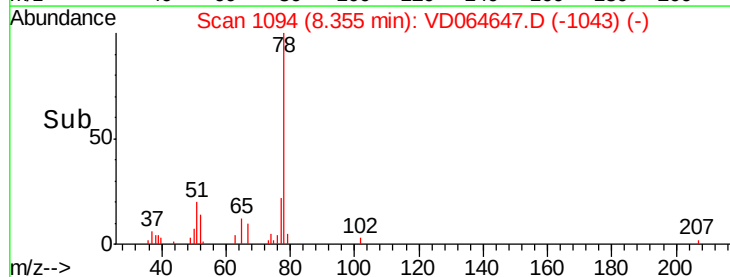
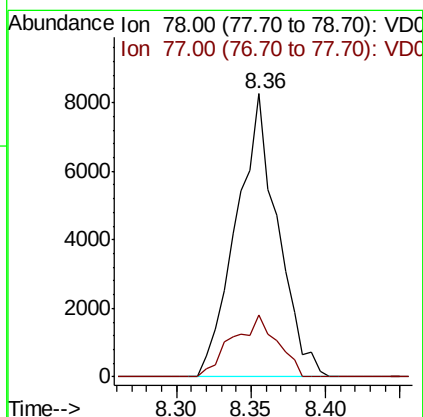
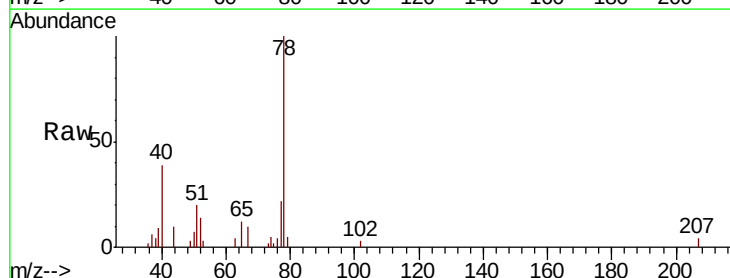
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

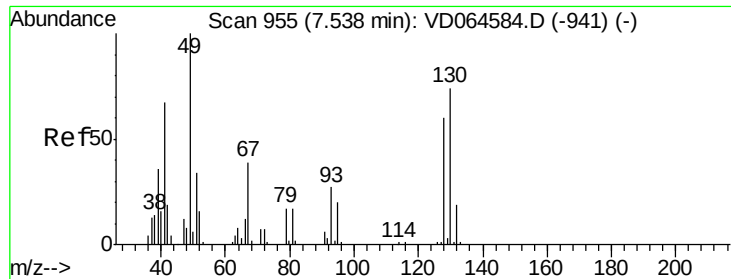
Tot Ion: 83 Resp: 4906
Ion Ratio Lower Upper
83 100
55 89.7 57.8 86.6#
98 49.5 38.7 58.1



#40
Benzene
Concen: 45.977 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 78 Resp: 15933
Ion Ratio Lower Upper
78 100
77 22.0 19.9 29.9





#41

Methacrylonitrile

Concen: 145.846 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 41 Resp: 4220

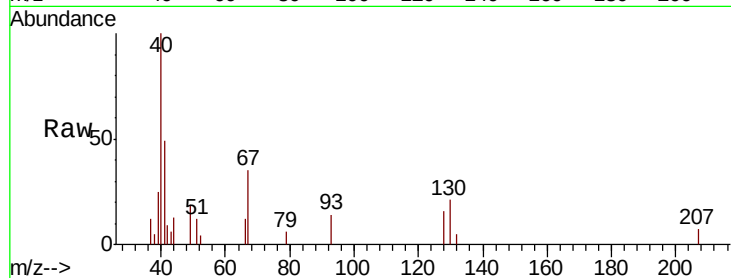
Ion Ratio Lower Upper

41 100

39 51.8 46.7 70.1

67 59.9 52.5 78.7

52 15.6 24.1 36.1#

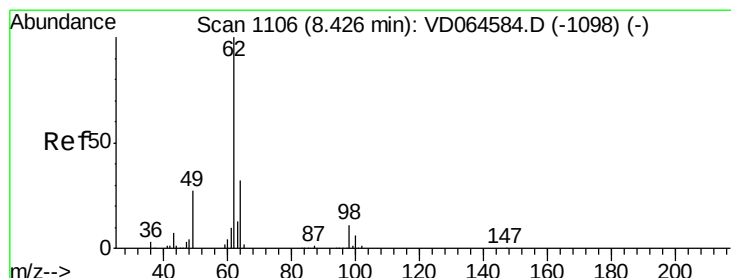
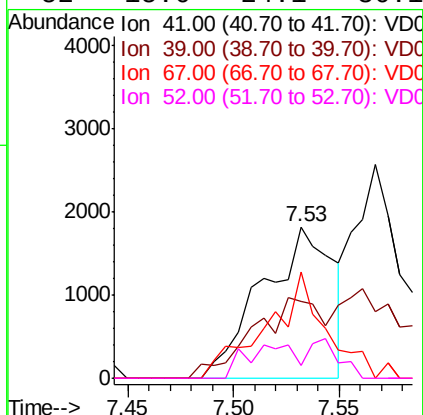
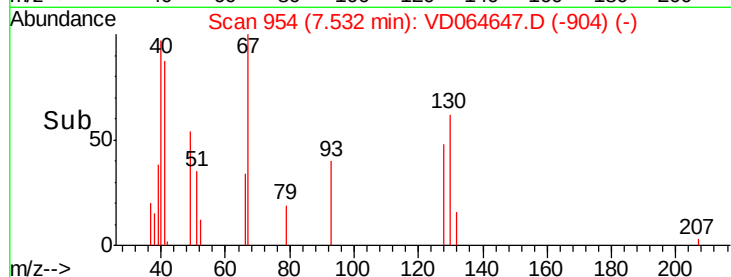


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 67.704 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064647.D

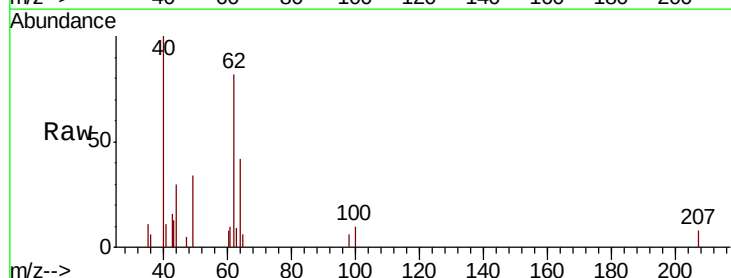
Acq: 27 Dec 2019 16:20

Tgt Ion: 62 Resp: 6780

Ion Ratio Lower Upper

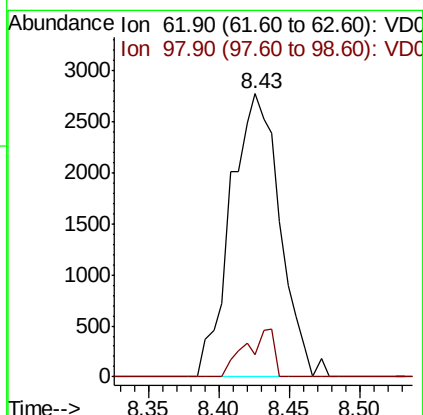
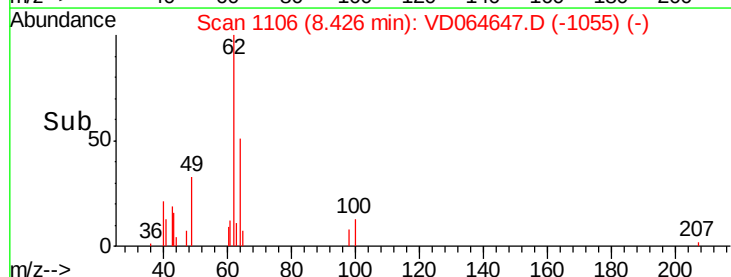
62 100

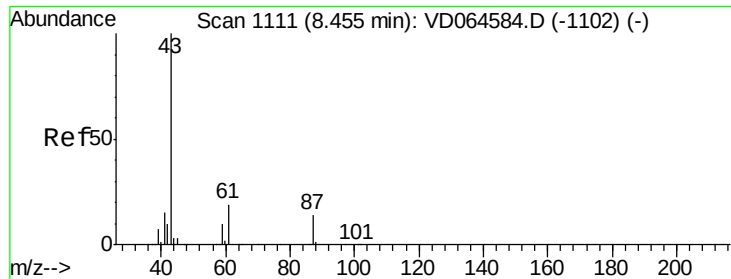
98 9.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 85.027 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

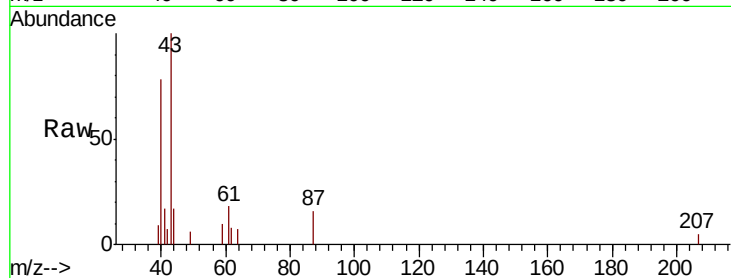
Tot Ion: 43 Resp: 8440

Ion Ratio Lower Upper

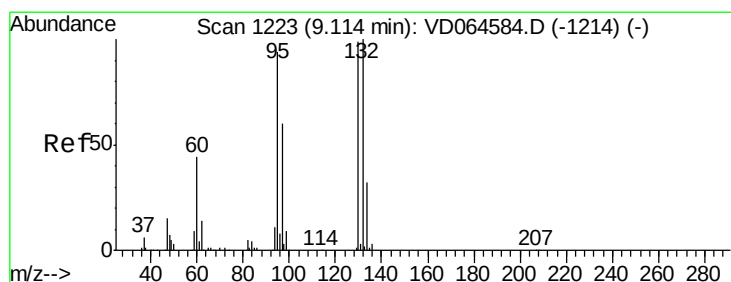
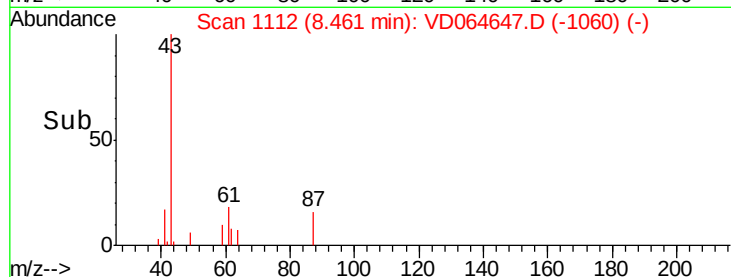
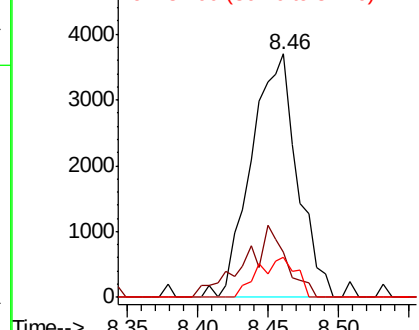
43 100

61 26.9 23.7 35.5

87 13.7 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: 48.544 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064647.D

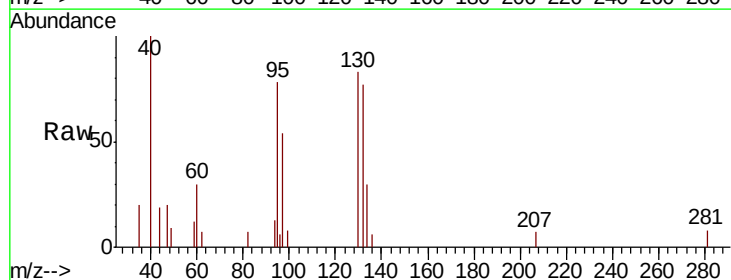
Acq: 27 Dec 2019 16:20

Tgt Ion:130 Resp: 4942

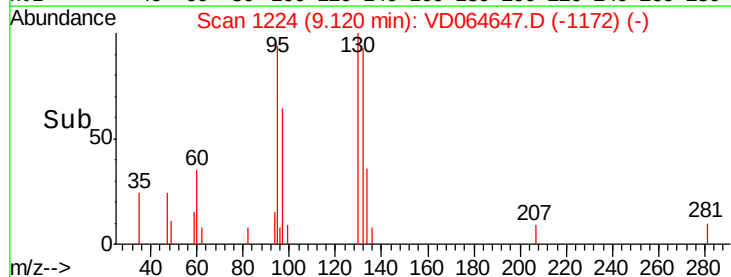
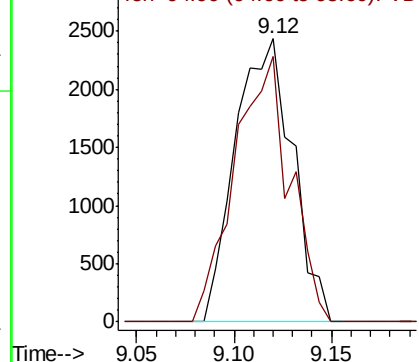
Ion Ratio Lower Upper

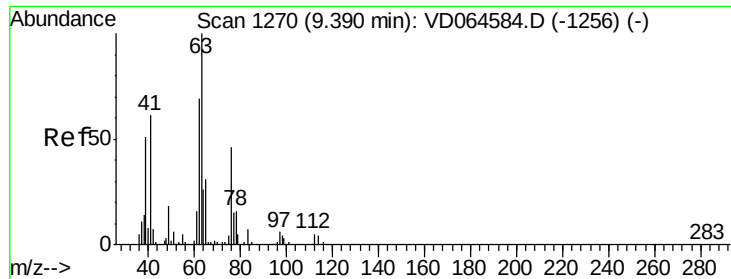
130 100

95 93.7 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: 51.099 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

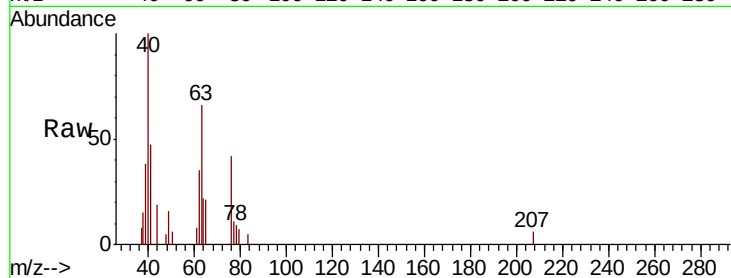
SB-2-(4-5)MS

Tot Ion: 63 Resp: 4228

Ion Ratio Lower Upper

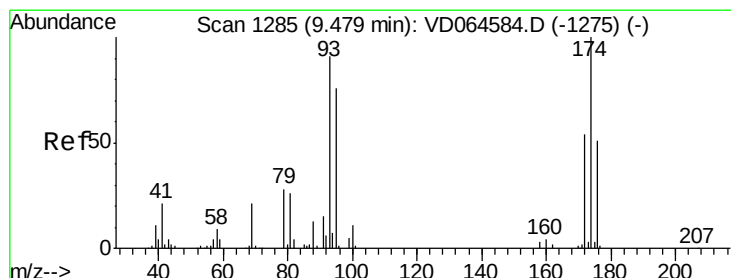
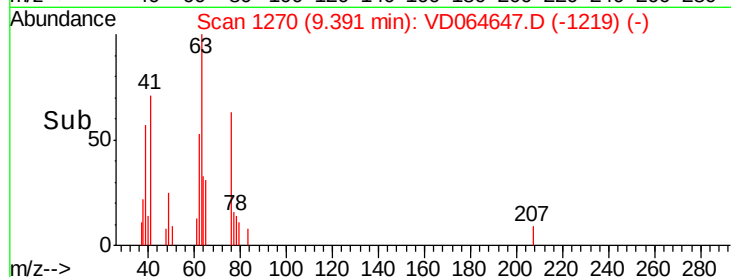
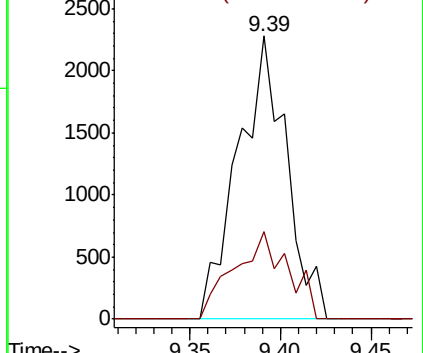
63 100

65 31.2 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: 70.971 ug/l

RT: 9.49 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

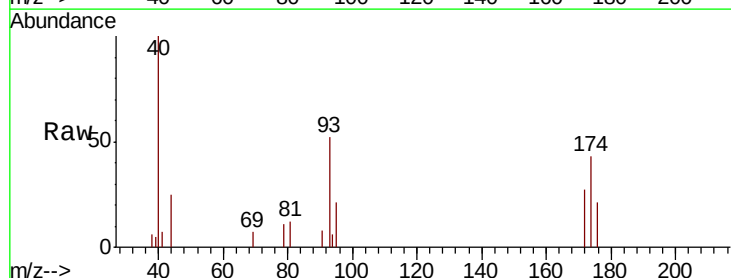
Tgt Ion: 93 Resp: 3274

Ion Ratio Lower Upper

93 100

95 77.1 64.6 97.0

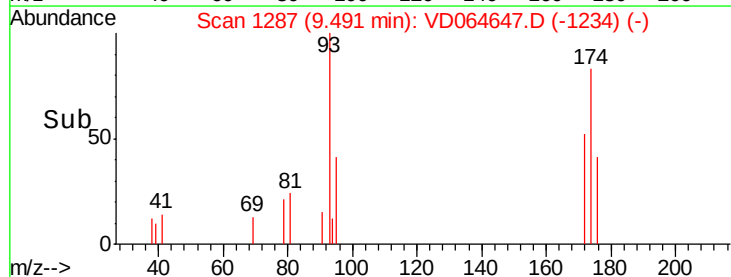
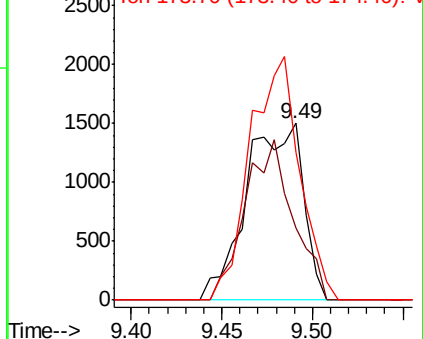
174 120.6 88.1 132.1

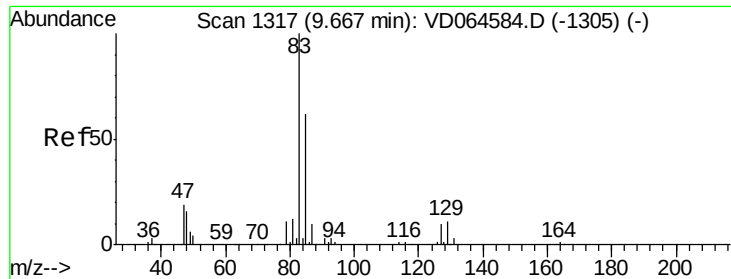


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 56.373 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

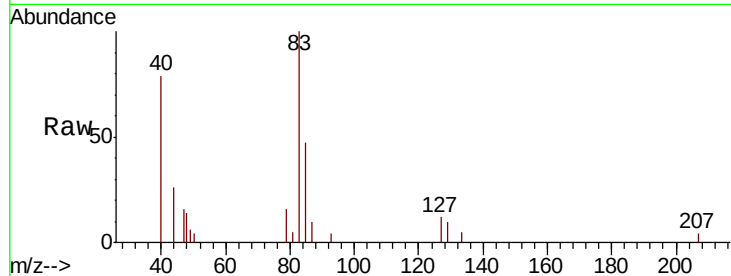
Tot Ion: 83 Resp: 6920

Ion Ratio Lower Upper

83 100

85 46.7 49.5 74.3#

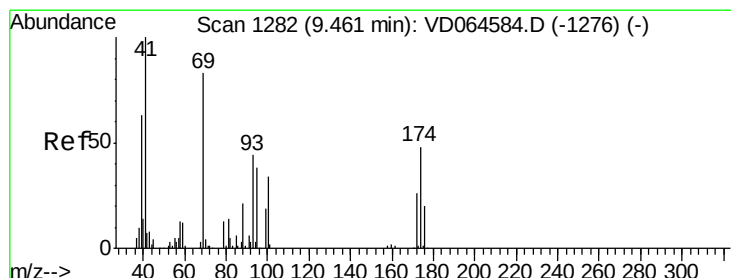
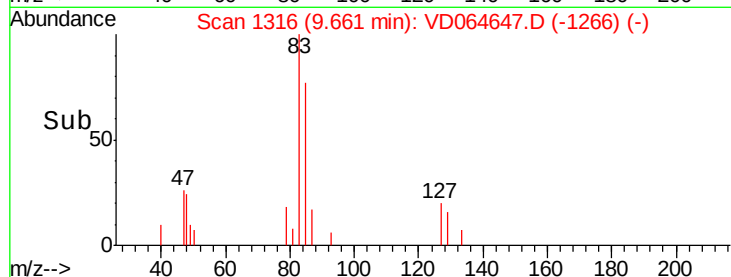
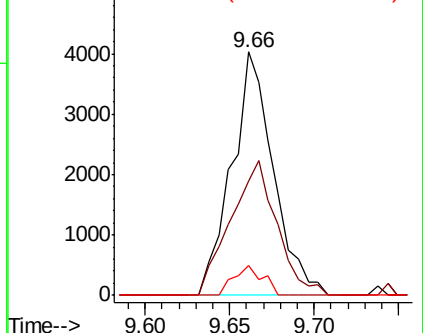
127 12.3 7.8 11.6#



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: 101.480 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

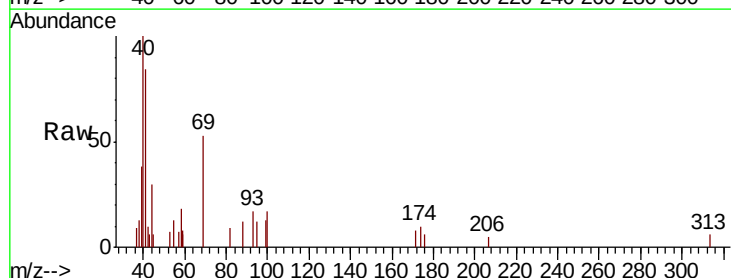
Tgt Ion: 41 Resp: 4743

Ion Ratio Lower Upper

41 100

69 68.2 63.0 94.6

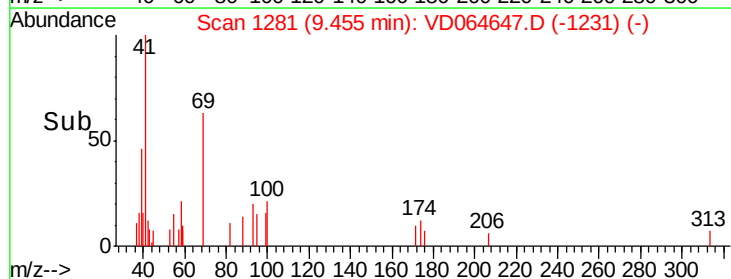
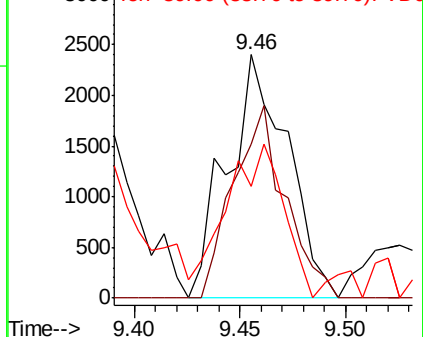
39 60.6 47.4 71.2

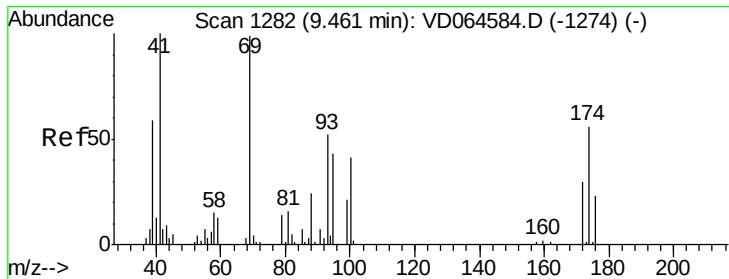


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

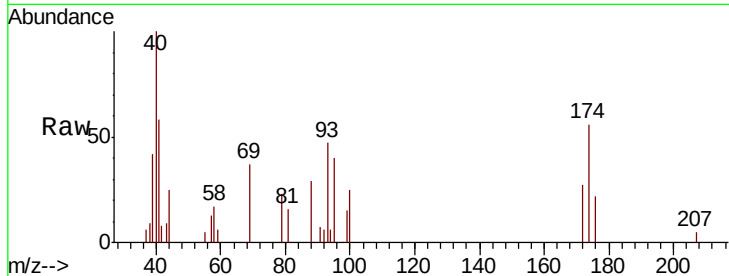




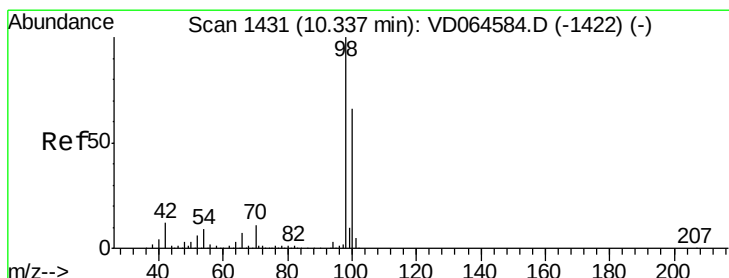
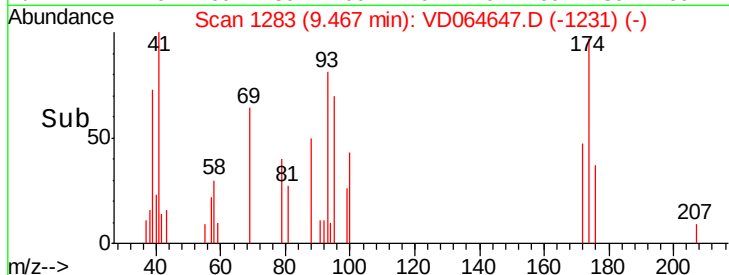
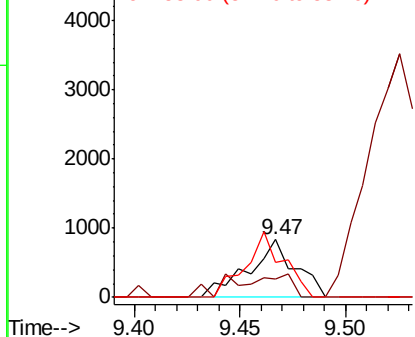
#49
1,4-Dioxane
Concen: 2434.555 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion: 88 Resp: 1295
Ion Ratio Lower Upper
88 100
43 24.4 27.7 41.5#
58 91.4 53.8 80.6#

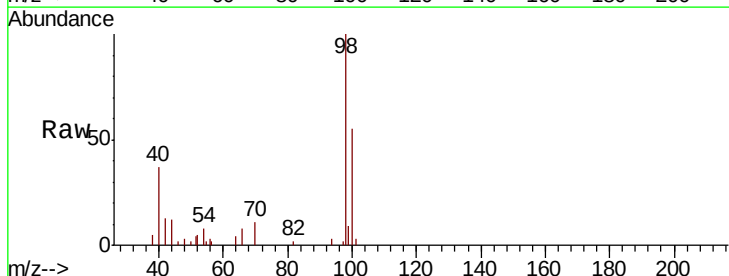


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

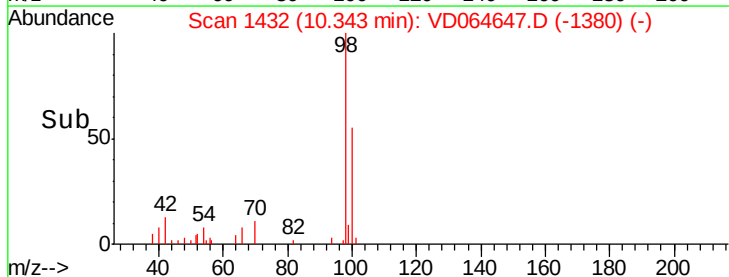
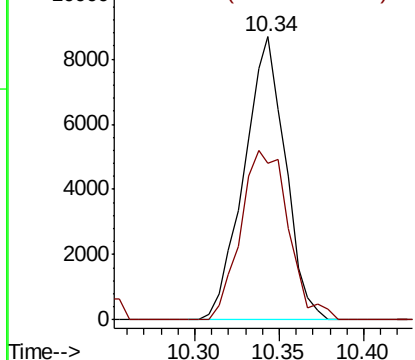


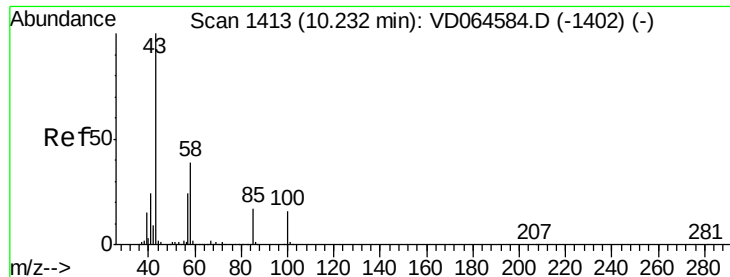
#50
Toluene-d8
Concen: 47.660 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 98 Resp: 14770
Ion Ratio Lower Upper
98 100
100 69.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

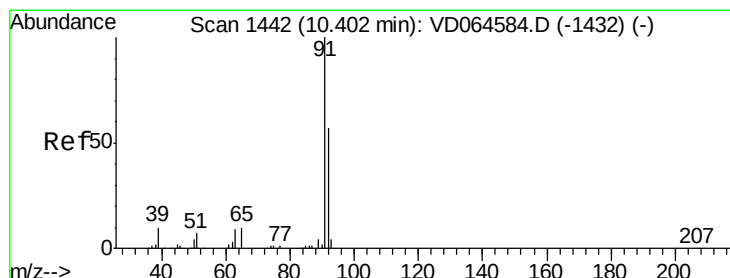
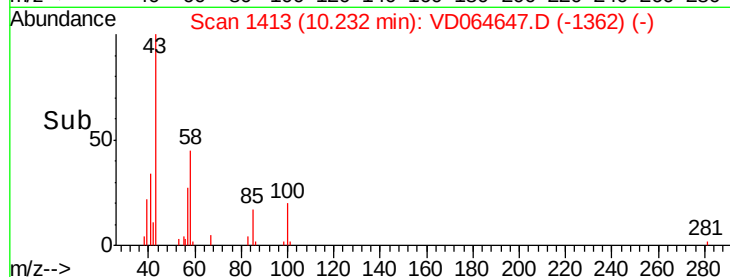
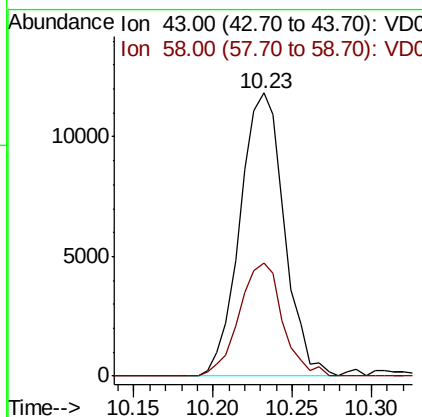
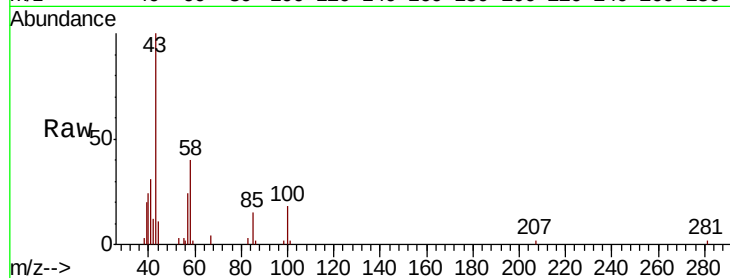




#51
 4-Methyl-2-Pentanone
 Concen: 467.561 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

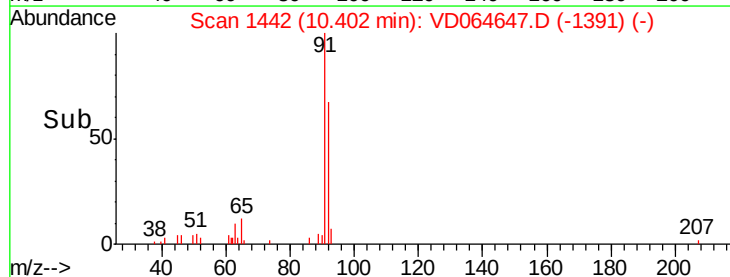
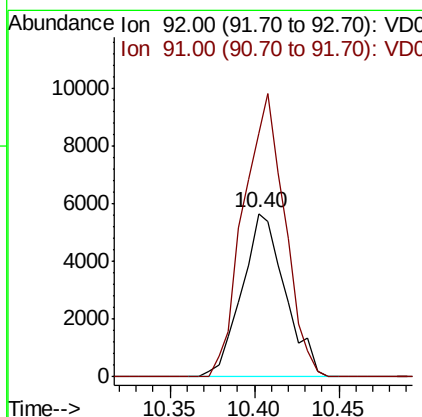
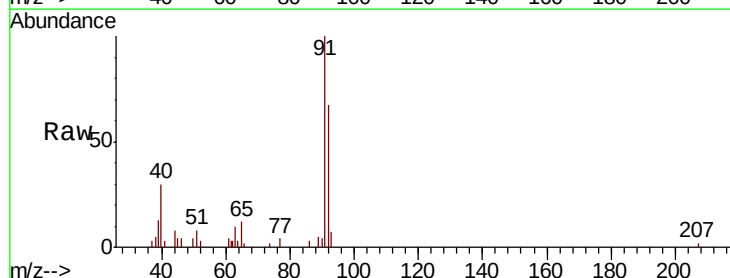
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

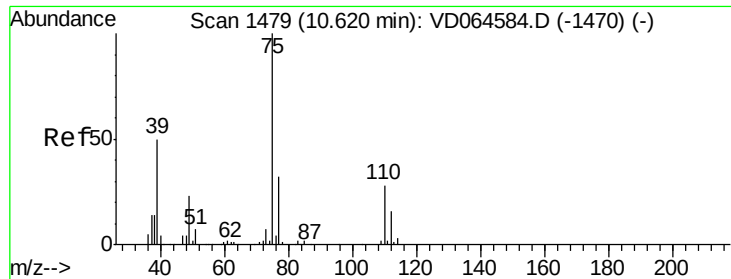
Tot Ion: 43 Resp: 22940
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.2 45.2



#52
 Toluene
 Concen: 44.494 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion: 92 Resp: 10116
 Ion Ratio Lower Upper
 92 100
 91 165.5 138.7 208.1

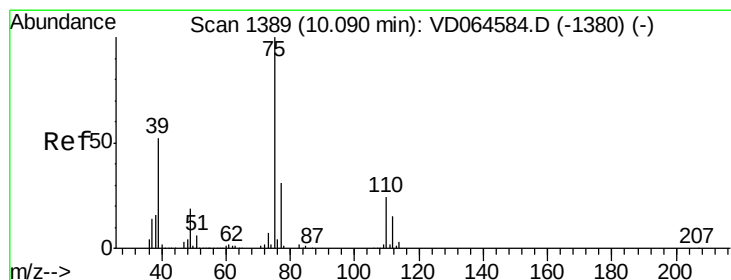
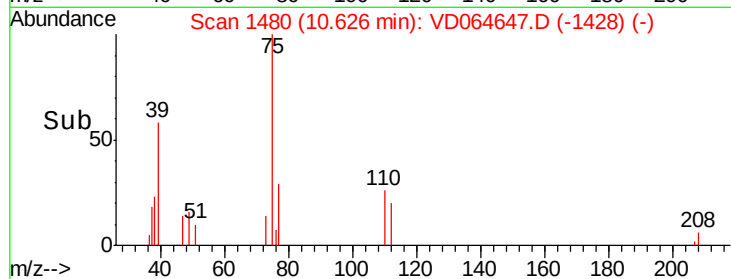
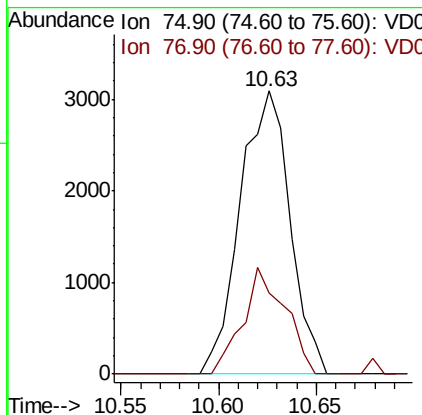
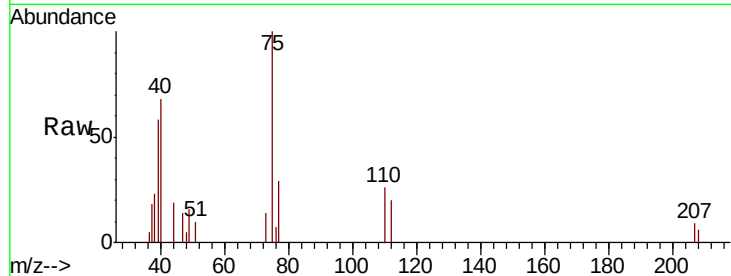




#53
 t-1,3-Dichloropropene
 Concen: 47.673 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

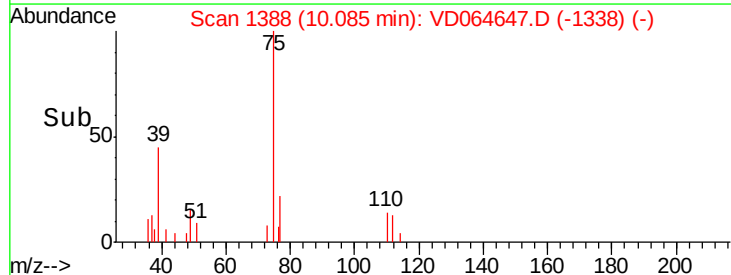
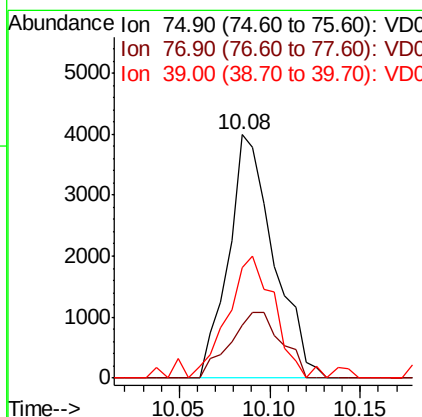
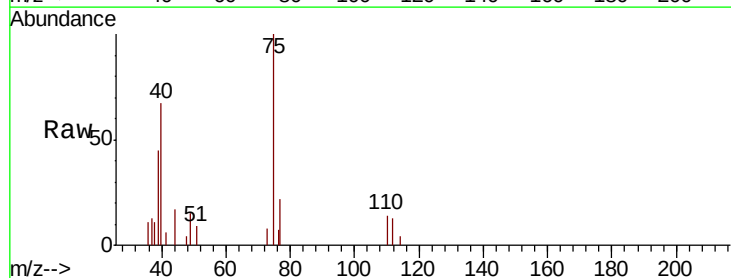
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

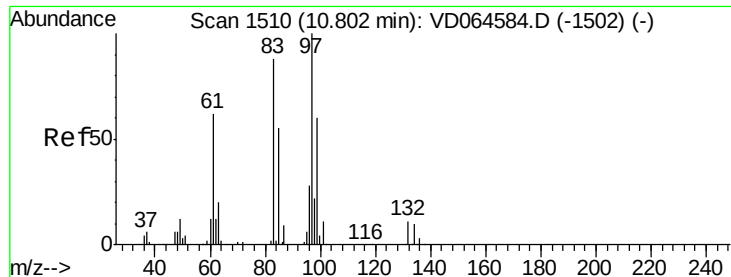
Tot Ion: 75 Resp: 5456
 Ion Ratio Lower Upper
 75 100
 77 28.7 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.361 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion: 75 Resp: 6931
 Ion Ratio Lower Upper
 75 100
 77 21.7 24.6 36.8#
 39 45.2 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 74.747 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 97 Resp: 4647

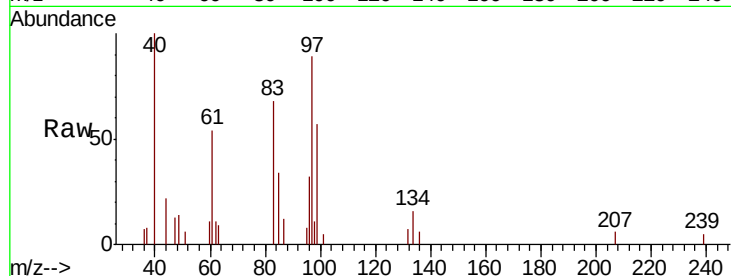
Ion Ratio Lower Upper

97 100

83 77.3 70.2 105.4

85 38.7 44.0 66.0#

99 63.9 47.8 71.6

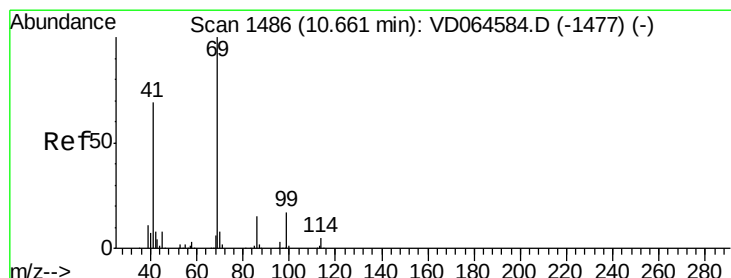
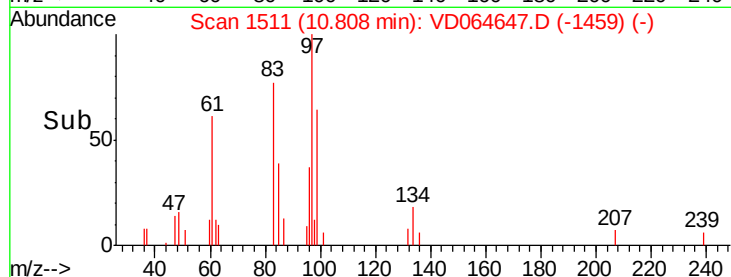
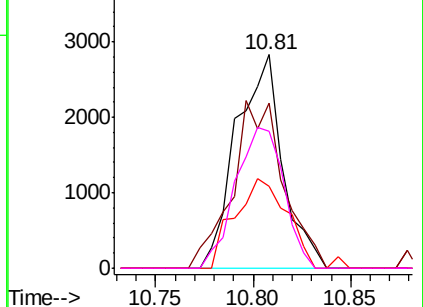


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 63.316 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

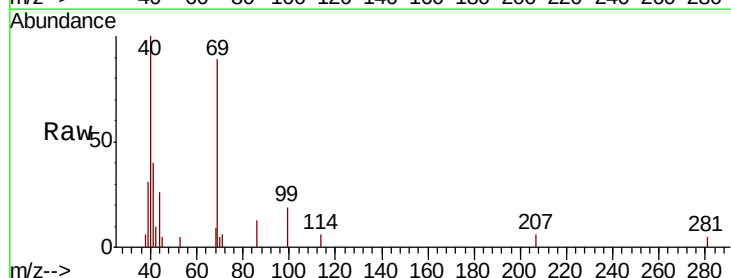
Tgt Ion: 69 Resp: 4916

Ion Ratio Lower Upper

69 100

41 68.6 55.3 82.9

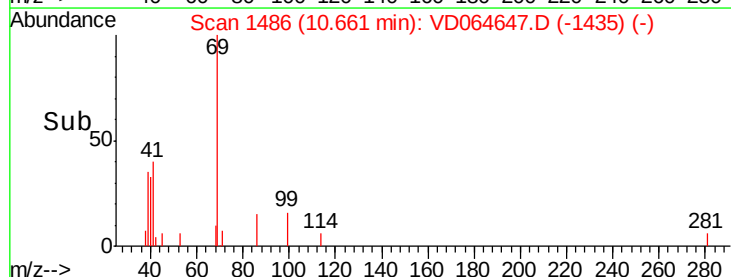
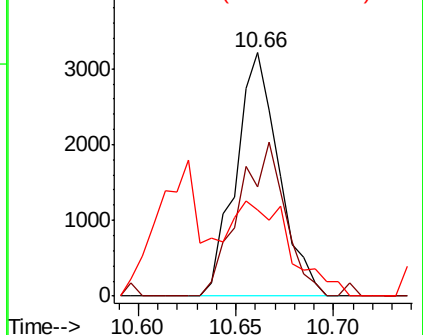
39 51.2 33.8 50.8#

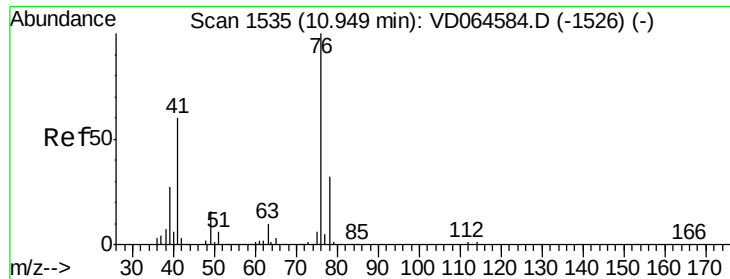


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

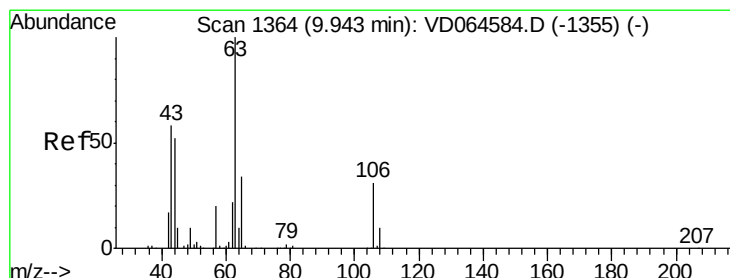
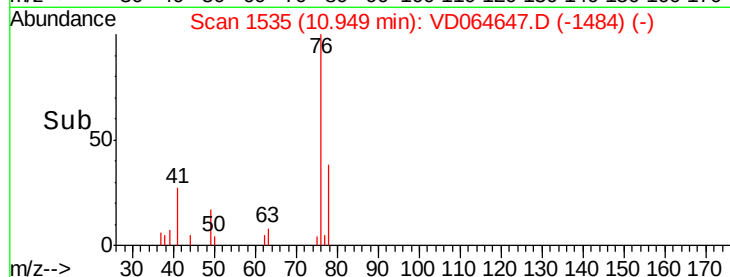
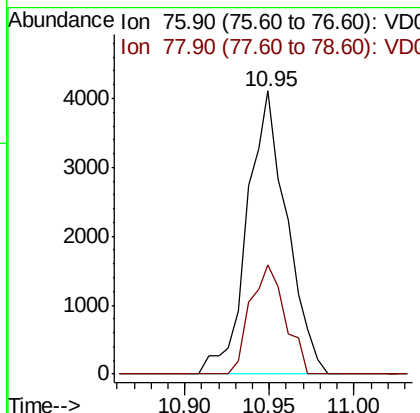
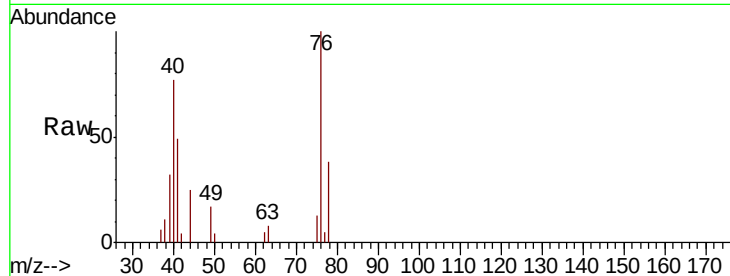




#57
 1,3-Dichloropropane
 Concen: 62.787 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

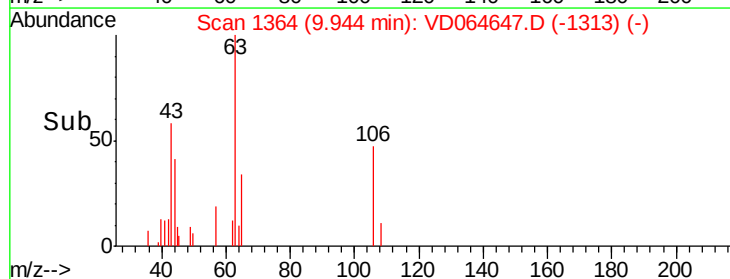
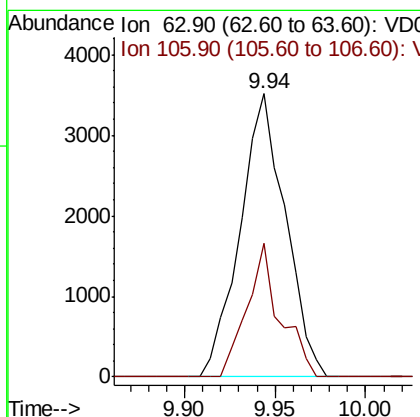
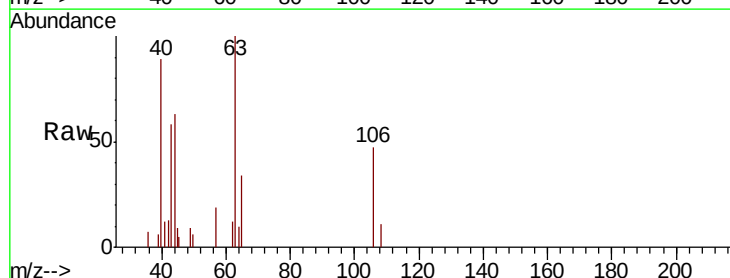
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

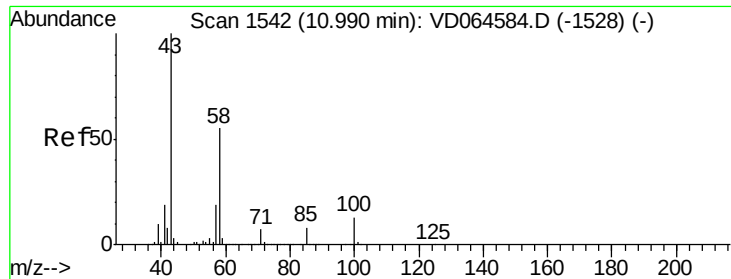
Tot Ion: 76 Resp: 6721
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 206.349 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion: 63 Resp: 6104
 Ion Ratio Lower Upper
 63 100
 106 34.6 23.8 35.8

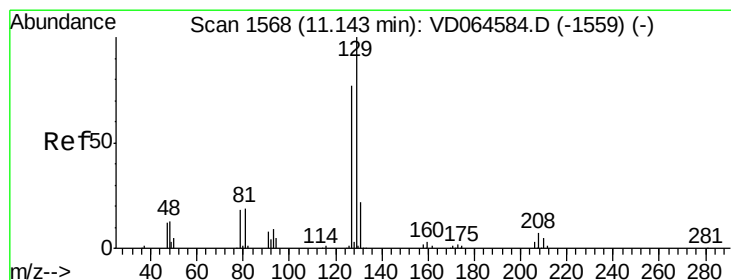
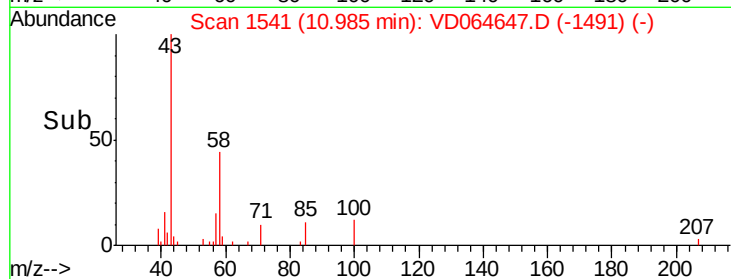
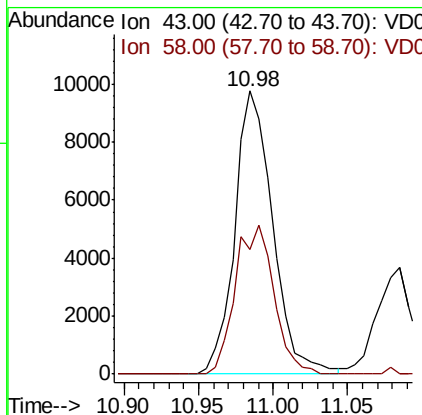
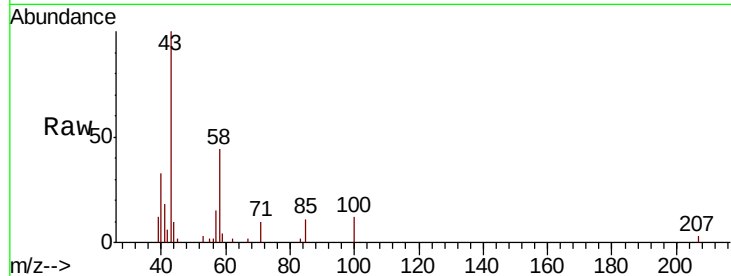




#59
2-Hexanone
Concen: 517.926 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

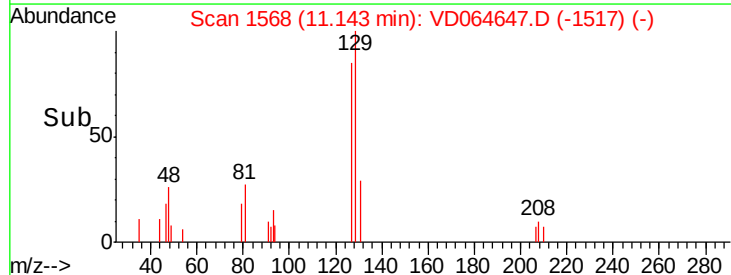
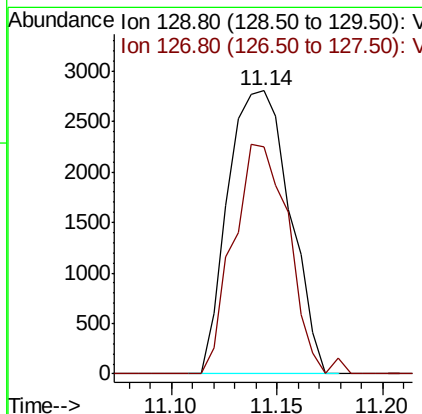
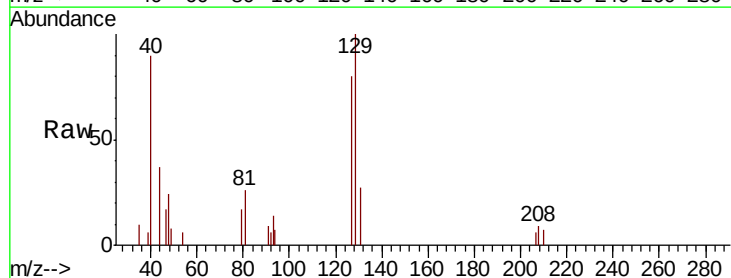
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

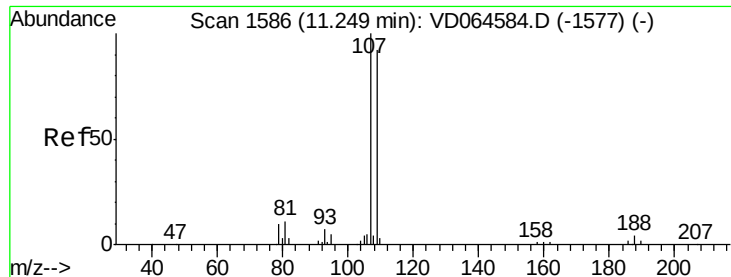
Tot Ion: 43 Resp: 17247
Ion Ratio Lower Upper
43 100
58 53.6 26.4 79.0



#60
Dibromochloromethane
Concen: 66.277 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 129 Resp: 5698
Ion Ratio Lower Upper
129 100
127 72.9 38.4 115.2





#61

1,2-Dibromoethane

Concen: 80.905 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

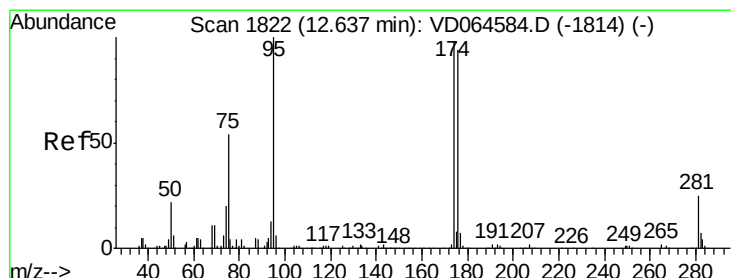
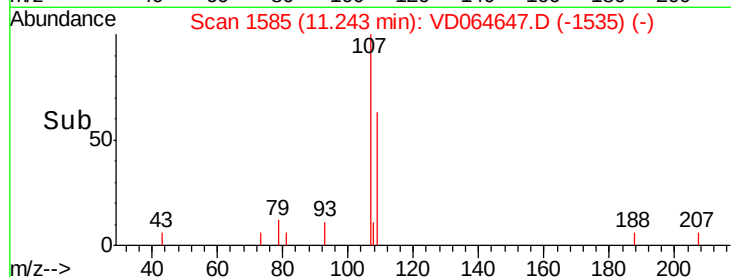
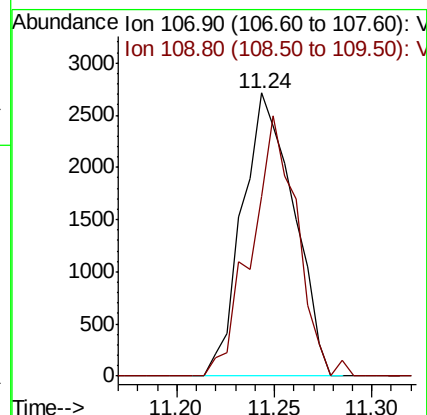
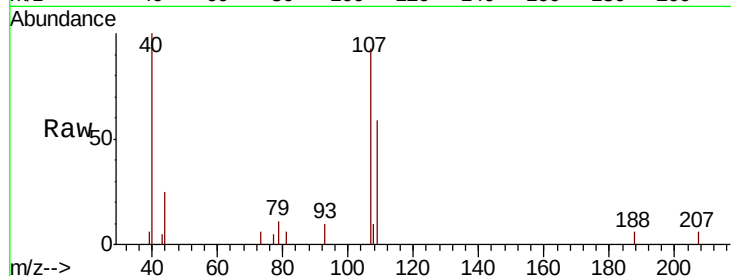
SB-2-(4-5)MS

Tot Ion:107 Resp: 4961

Ion Ratio Lower Upper

107 100

109 81.7 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 57.646 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

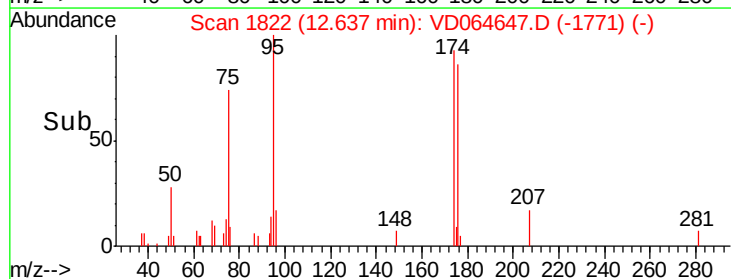
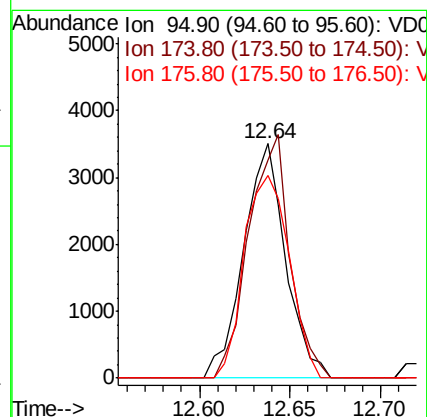
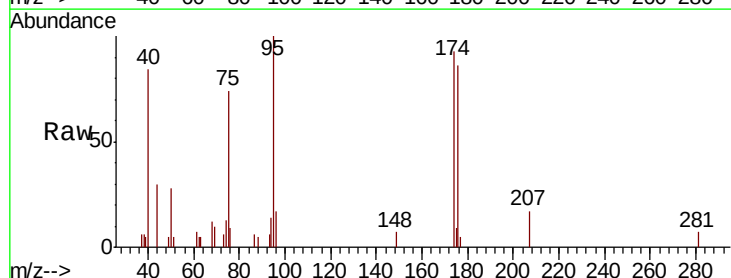
Tgt Ion: 95 Resp: 5649

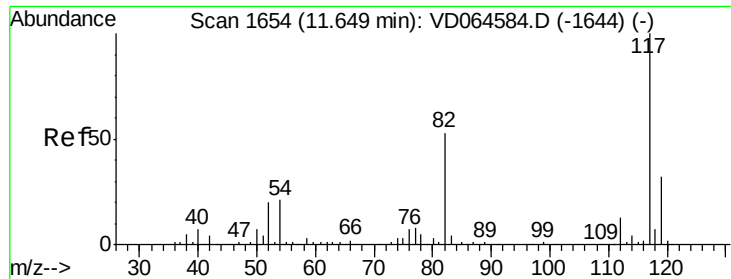
Ion Ratio Lower Upper

95 100

174 101.7 0.0 193.2

176 93.0 0.0 184.2

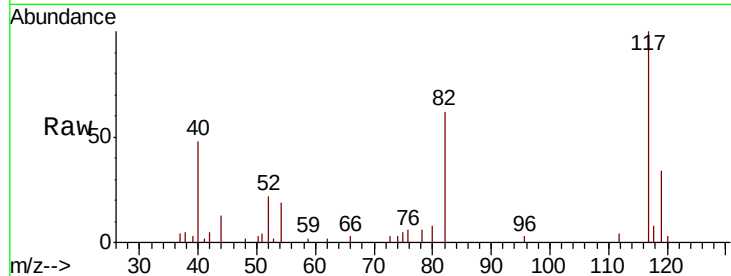




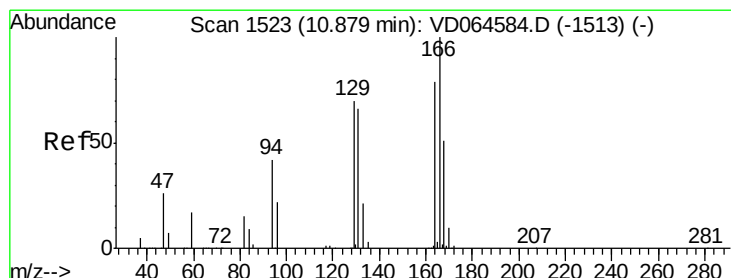
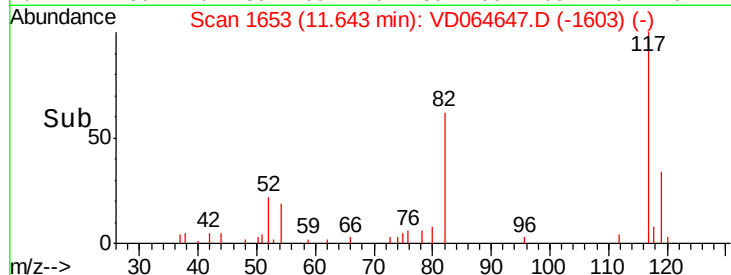
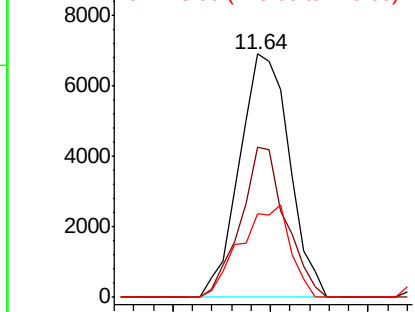
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion:117 Resp: 12238
Ion Ratio Lower Upper
117 100
82 61.8 42.2 63.4
119 34.2 26.0 39.0

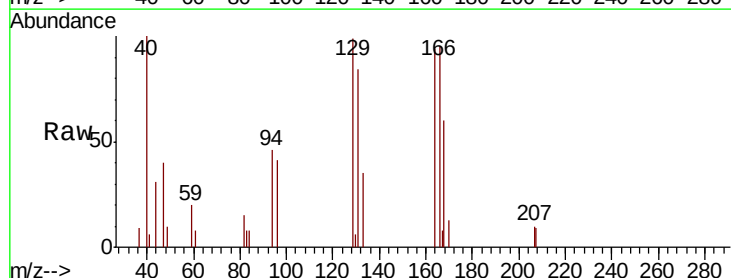


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

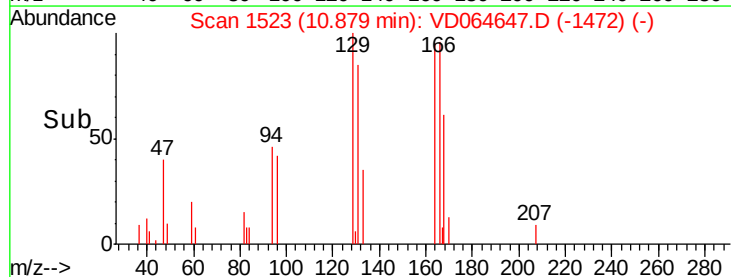
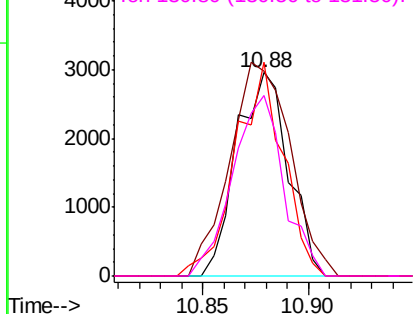


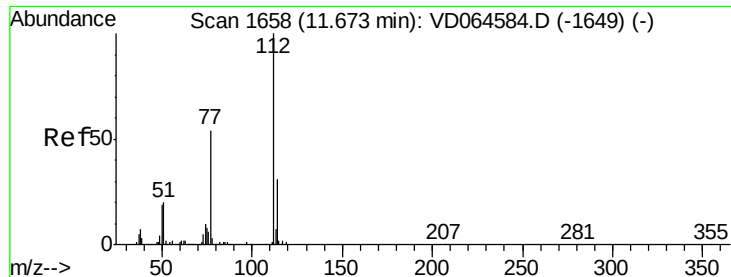
#64
Tetrachloroethene
Concen: 53.585 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion:164 Resp: 5031
Ion Ratio Lower Upper
164 100
166 100.6 101.3 151.9#
129 105.1 70.5 105.7
131 89.0 66.6 99.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

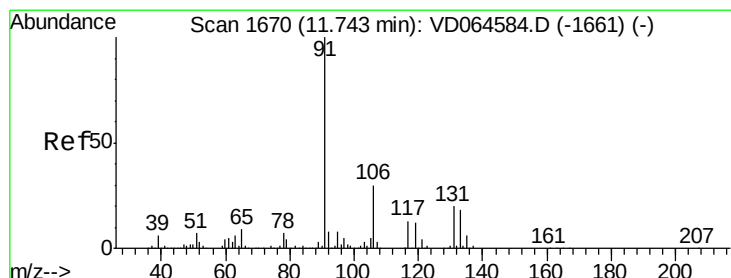
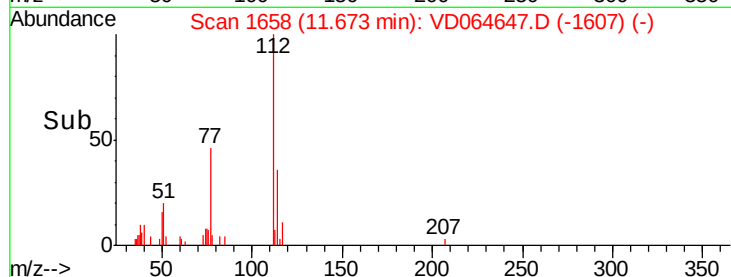
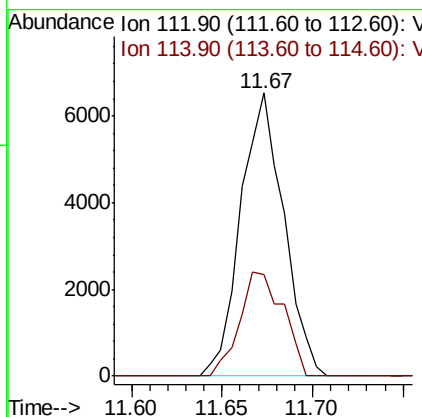
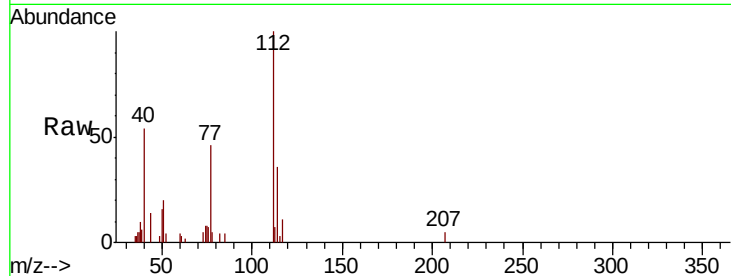




#65
Chlorobenzene
Concen: 42.327 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

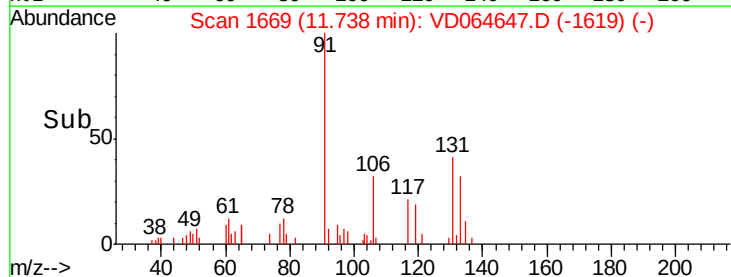
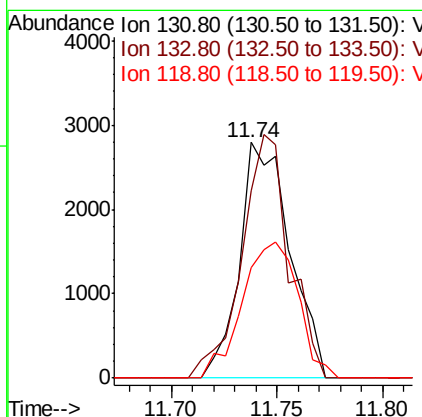
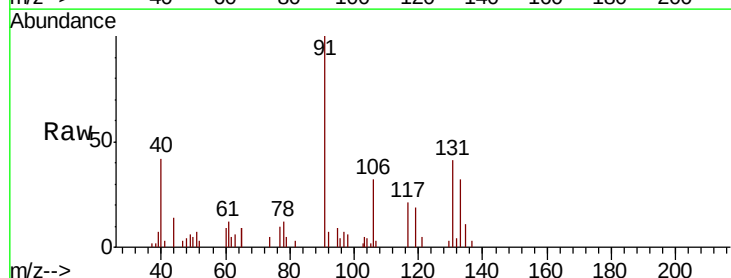
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

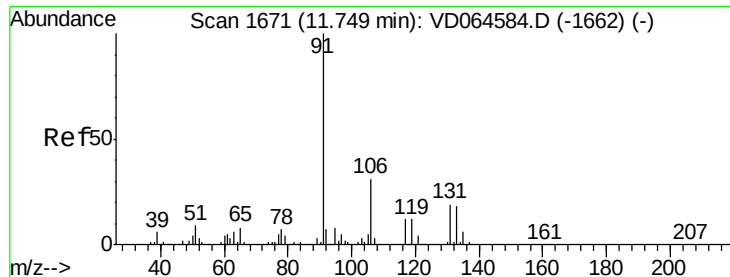
Tot Ion:112 Resp: 10751
Ion Ratio Lower Upper
112 100
114 36.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.406 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion:131 Resp: 4635
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 64.1 32.1 96.3





#67

Ethyl Benzene

Concen: 34.185 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

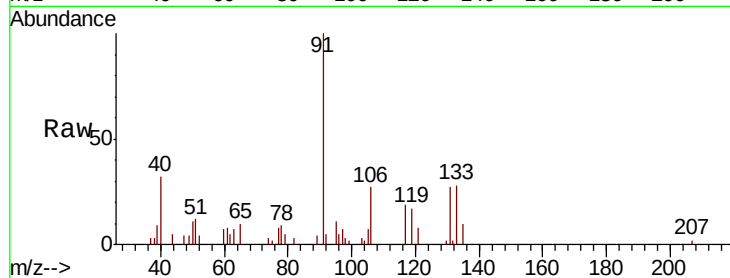
SB-2-(4-5)MS

Tot Ion: 91 Resp: 15760

Ion Ratio Lower Upper

91 100

106 26.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

11.75

10000

8000

6000

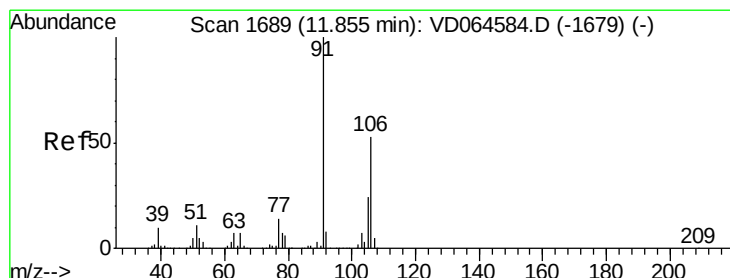
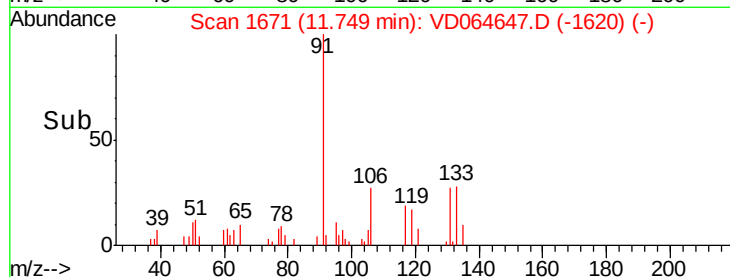
4000

2000

0

Time-->

11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 65.655 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD064647.D

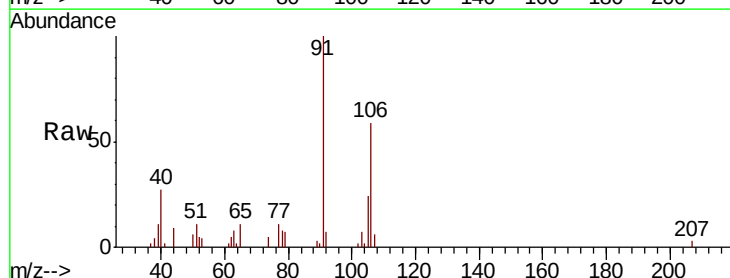
Acq: 27 Dec 2019 16:20

Tgt Ion: 106 Resp: 11683

Ion Ratio Lower Upper

106 100

91 196.4 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

11.85

12000

10000

8000

6000

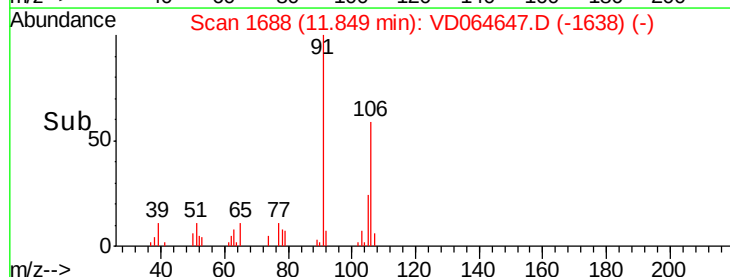
4000

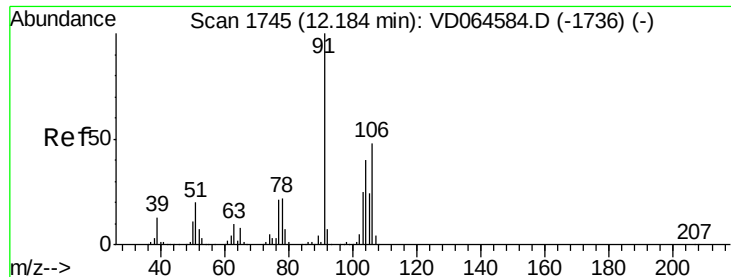
2000

0

Time-->

11.80 11.85 11.90

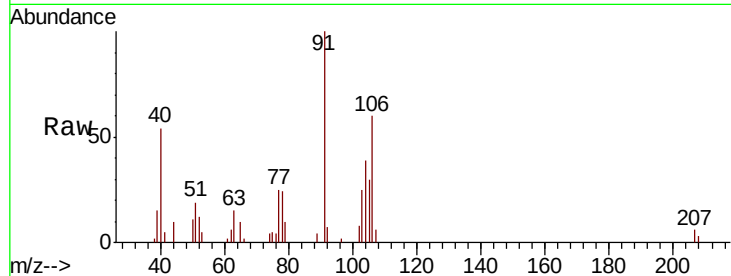




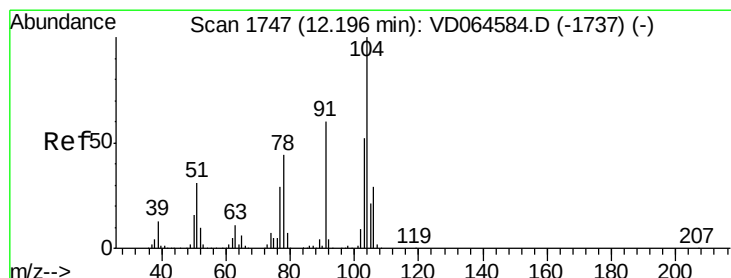
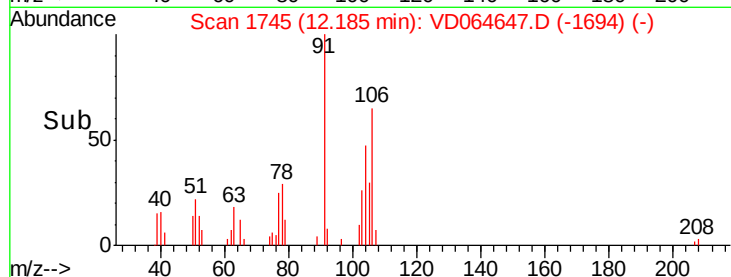
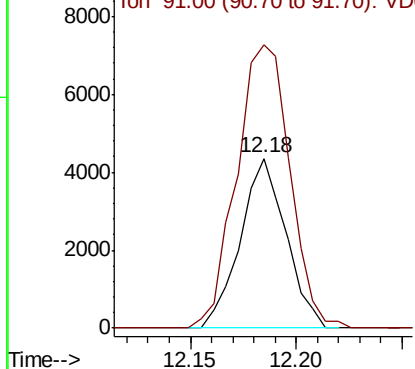
#69
o-Xylene
Concen: 40.727 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion:106 Resp: 6546
Ion Ratio Lower Upper
106 100
91 194.4 104.8 314.4

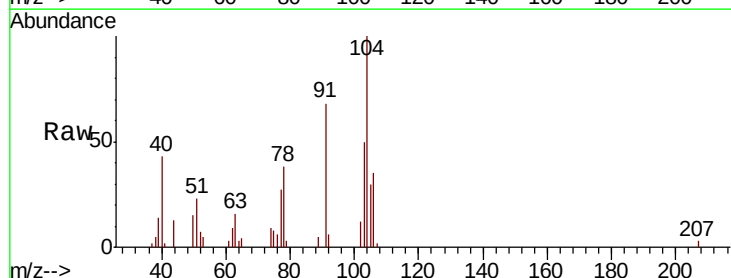


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

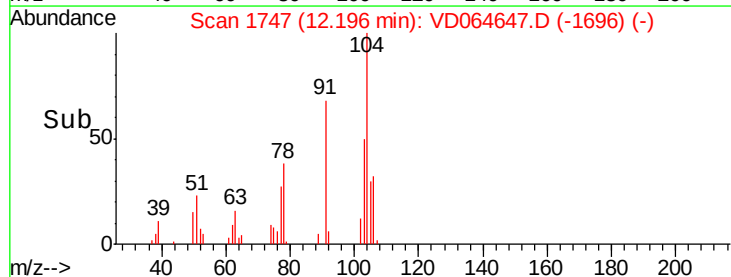
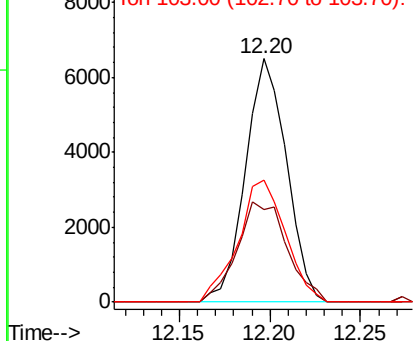


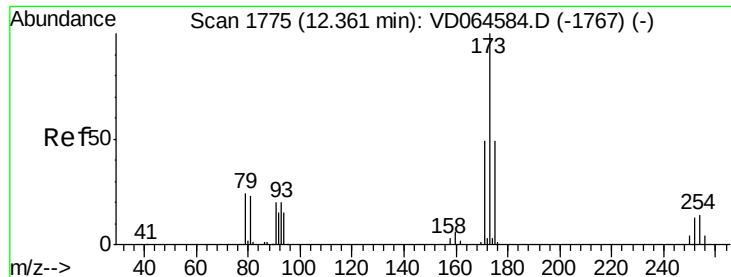
#70
Styrene
Concen: 36.342 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion:104 Resp: 10253
Ion Ratio Lower Upper
104 100
78 50.3 38.2 57.2
103 57.9 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 73.912 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

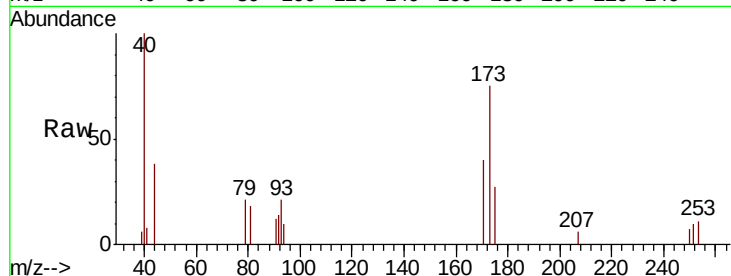
Tot Ion:173 Resp: 4036

Ion Ratio Lower Upper

173 100

175 39.9 24.6 73.8

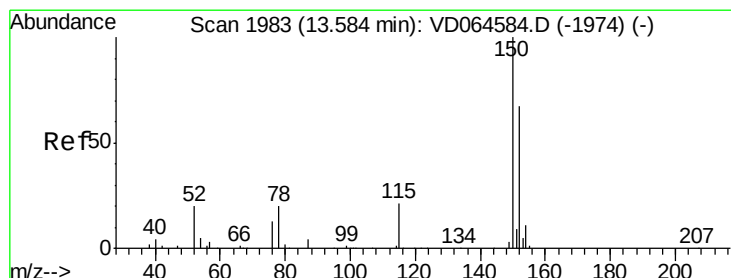
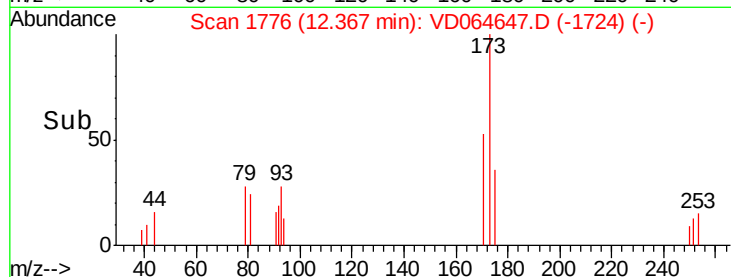
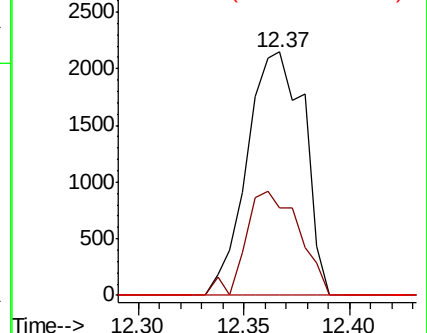
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

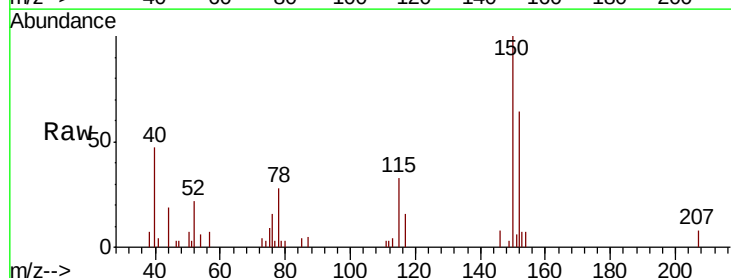
Tgt Ion:152 Resp: 6943

Ion Ratio Lower Upper

152 100

115 58.9 27.8 83.4

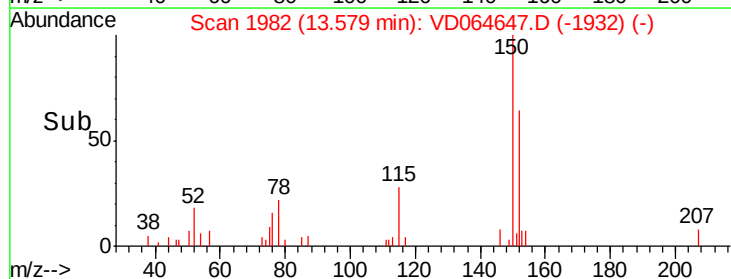
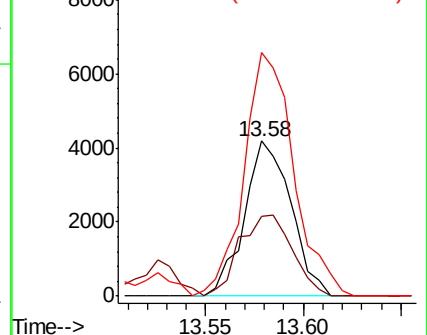
150 166.7 0.0 351.4

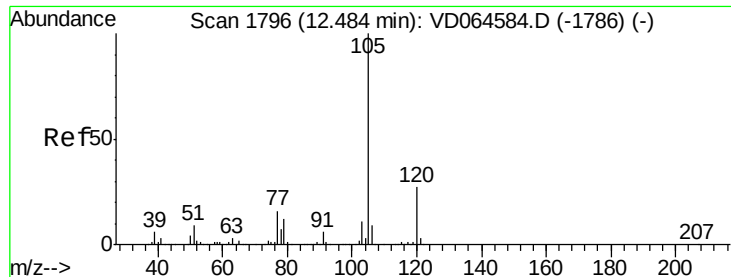


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 31.689 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

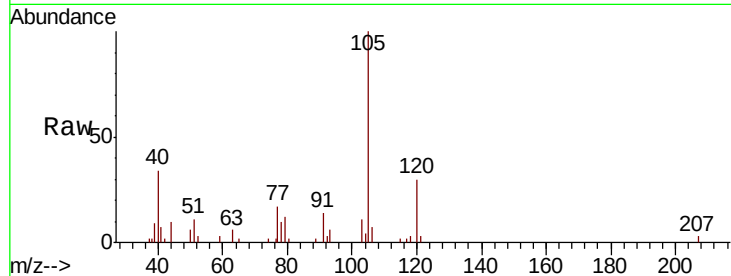
SB-2-(4-5)MS

Tot Ion:105 Resp: 15723

Ion Ratio Lower Upper

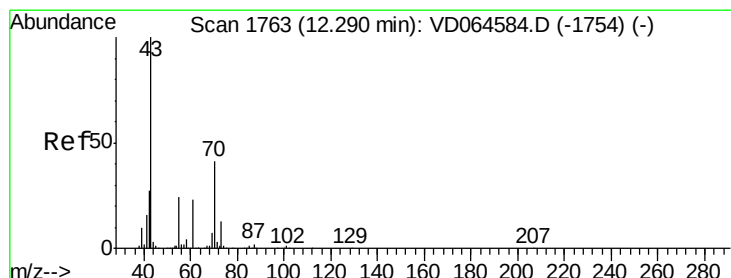
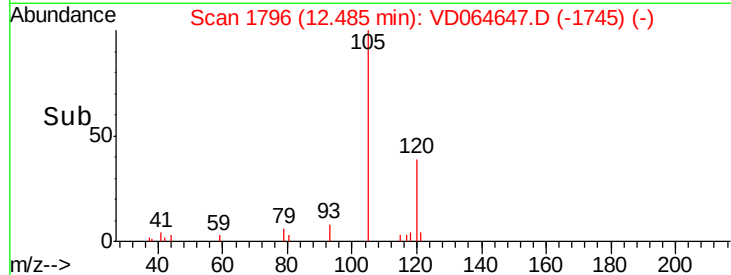
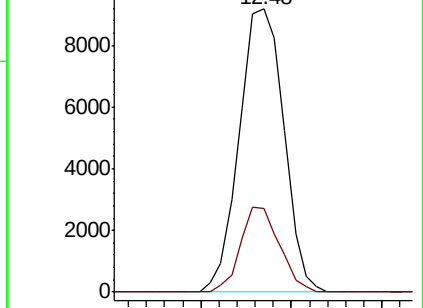
105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.062 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Tgt Ion: 43 Resp: 4249

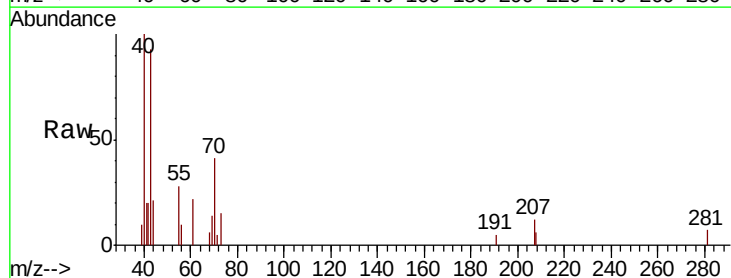
Ion Ratio Lower Upper

43 100

70 49.1 33.4 50.0

55 33.8 19.4 29.0#

61 28.5 18.3 27.5#

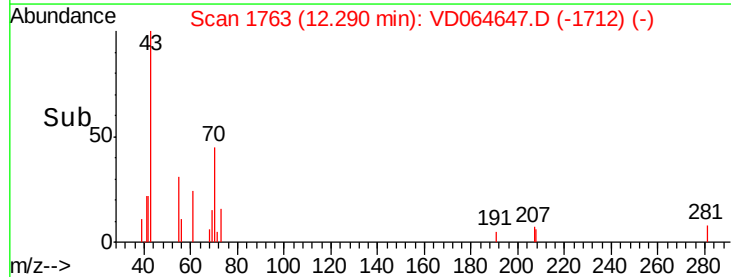
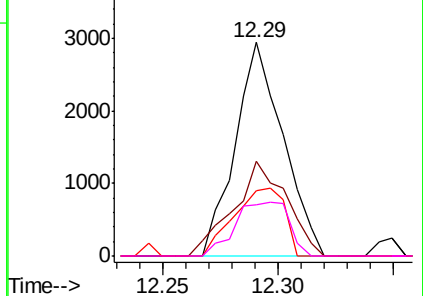


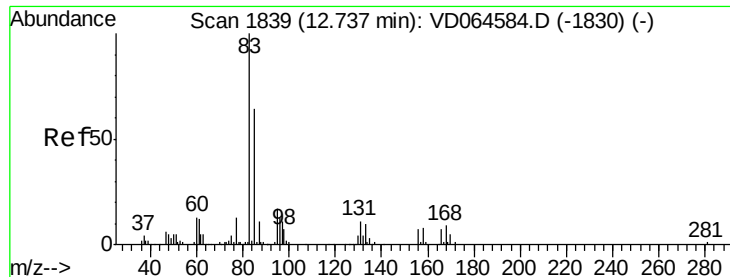
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 64.458 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

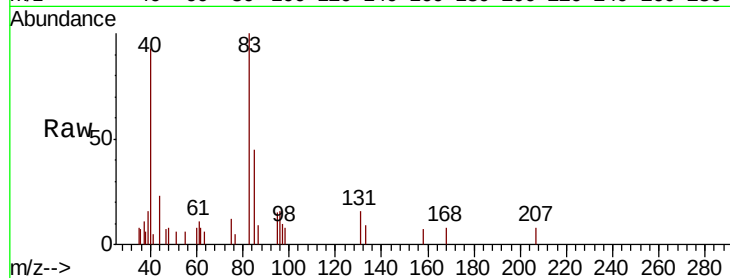
Tot Ion: 83 Resp: 5024

Ion Ratio Lower Upper

83 100

131 12.1 5.8 17.4

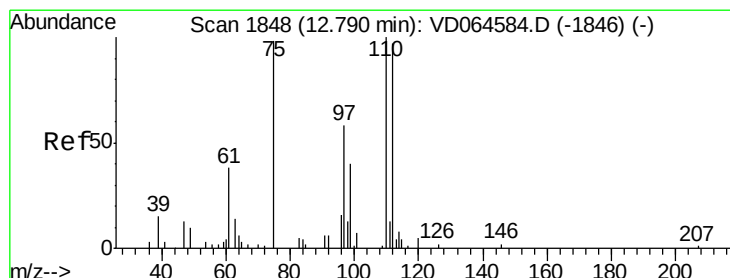
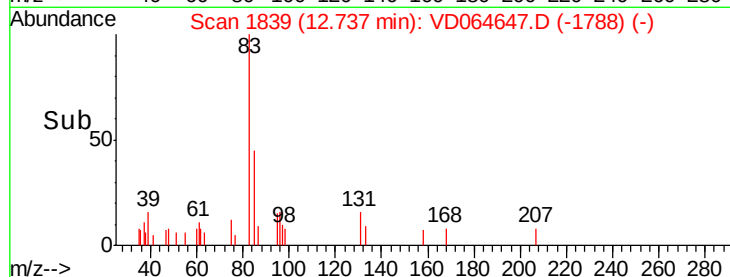
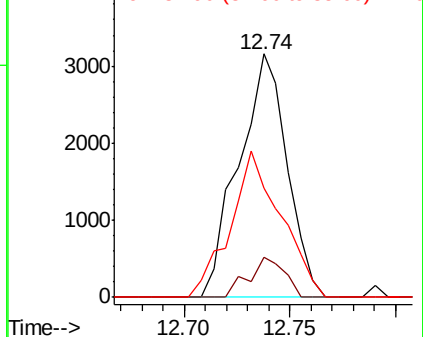
85 62.4 32.3 96.9



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: 115.310 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064647.D

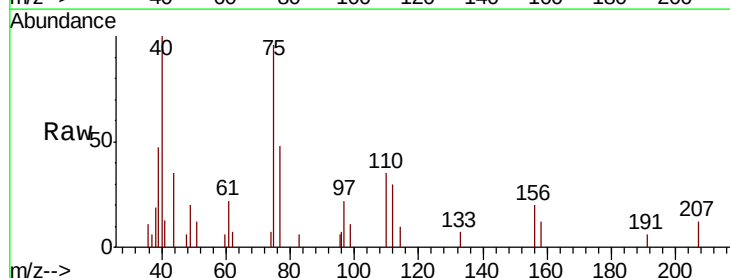
Acq: 27 Dec 2019 16:20

Tgt Ion: 75 Resp: 6322

Ion Ratio Lower Upper

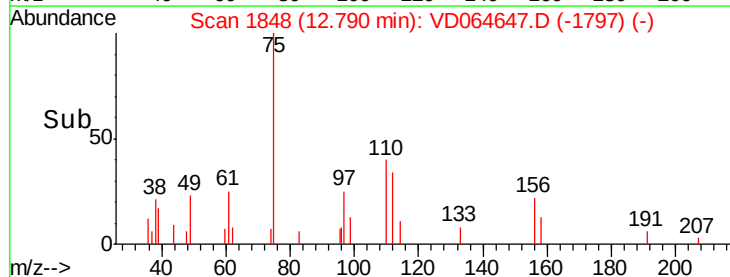
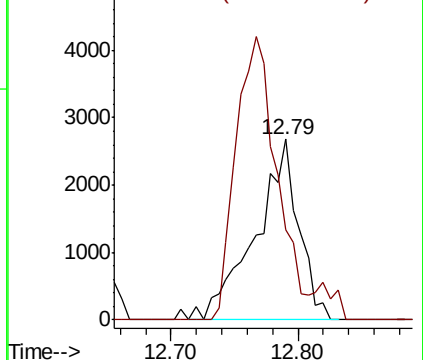
75 100

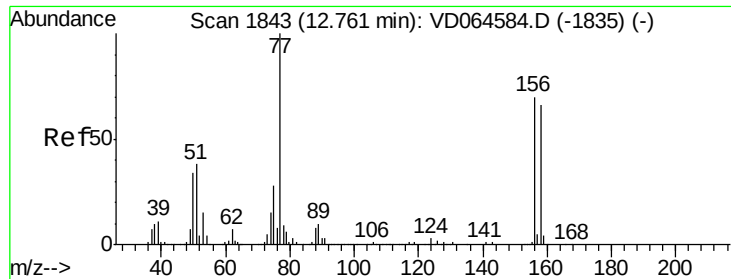
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 44.269 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

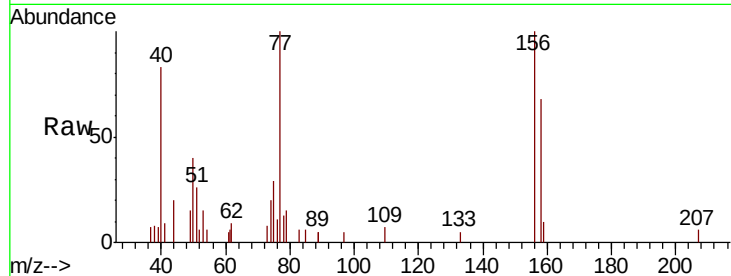
Tot Ion:156 Resp: 5397

Ion Ratio Lower Upper

156 100

77 173.8 80.9 242.7

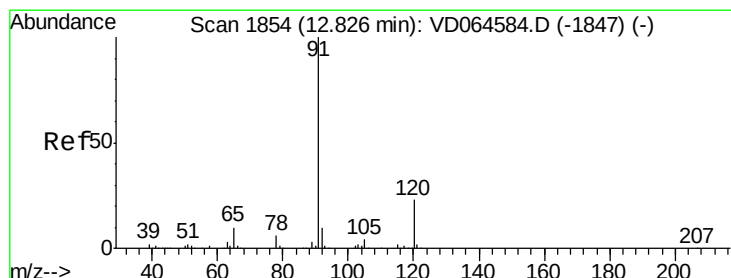
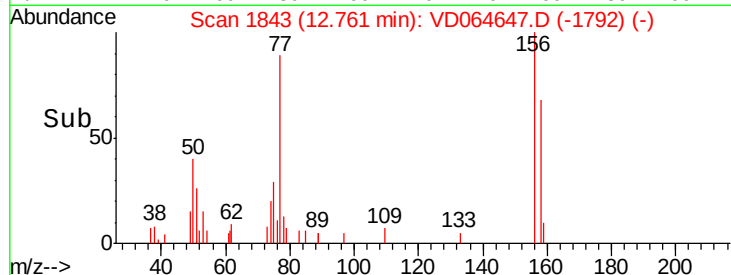
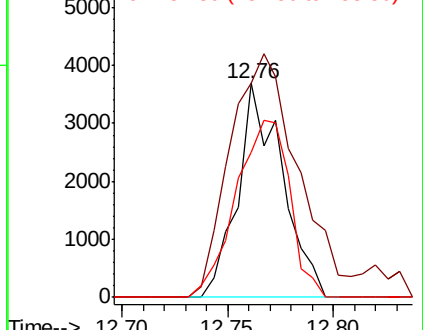
158 100.1 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 29.585 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064647.D

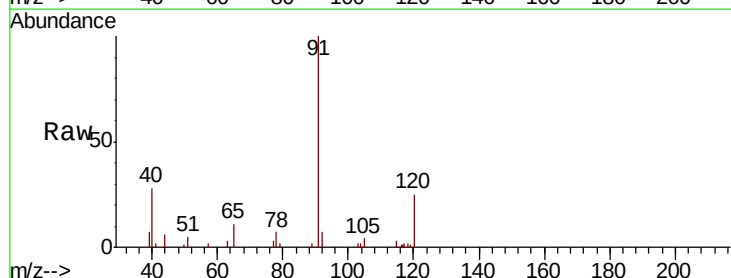
Acq: 27 Dec 2019 16:20

Tgt Ion: 91 Resp: 17125

Ion Ratio Lower Upper

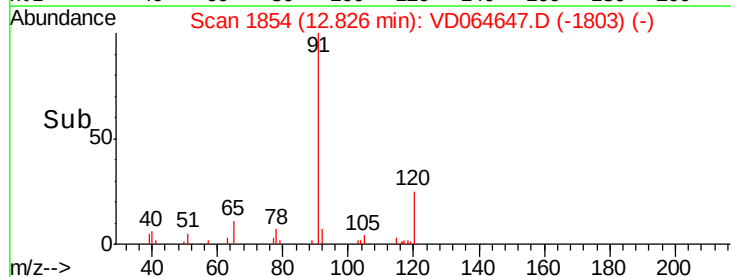
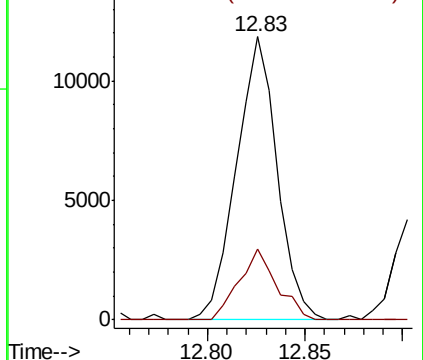
91 100

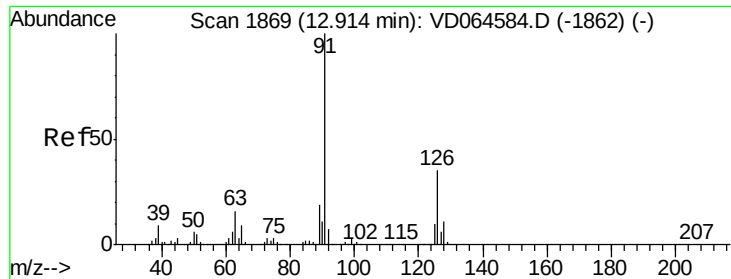
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

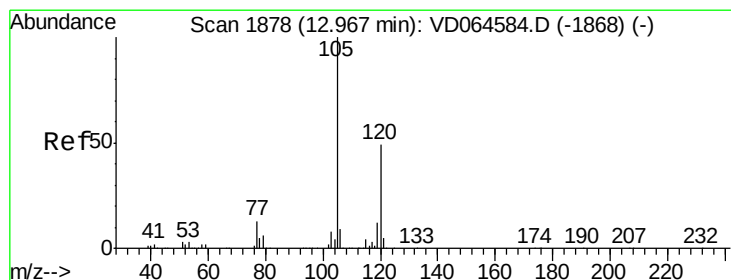
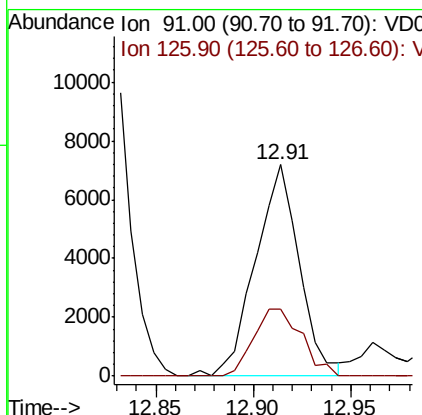
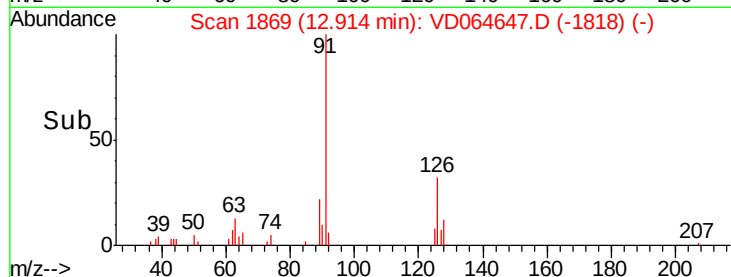
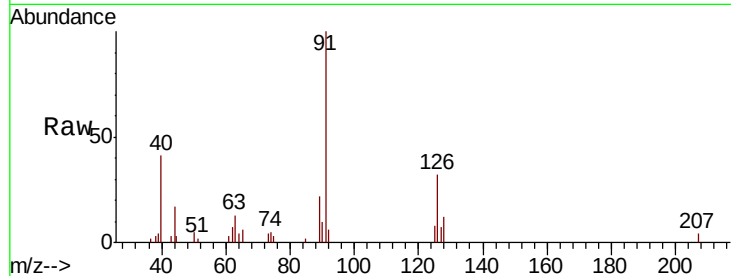




#79
 2-Chlorotoluene
 Concen: 35.314 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

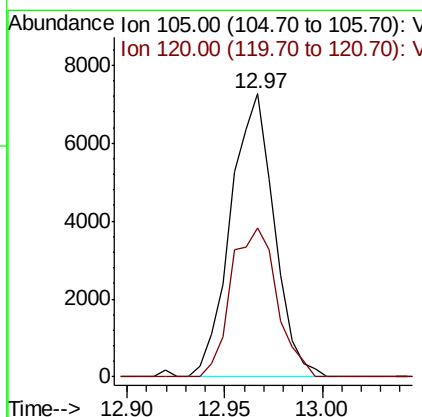
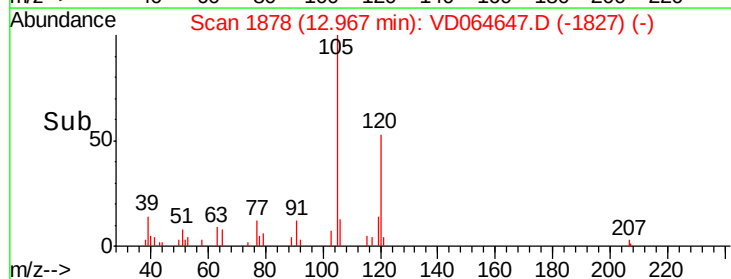
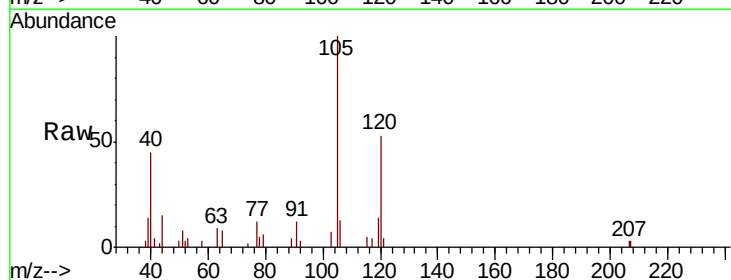
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

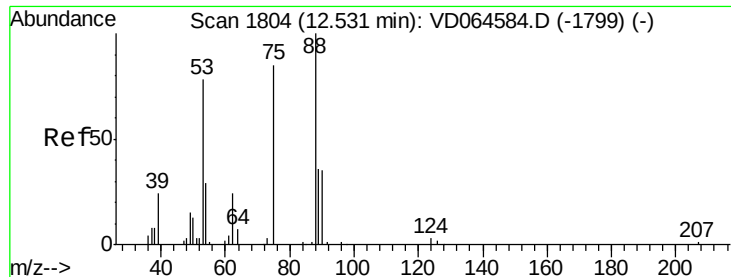
Tot Ion: 91 Resp: 11229
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 27.489 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion:105 Resp: 11204
 Ion Ratio Lower Upper
 105 100
 120 55.7 25.0 75.0

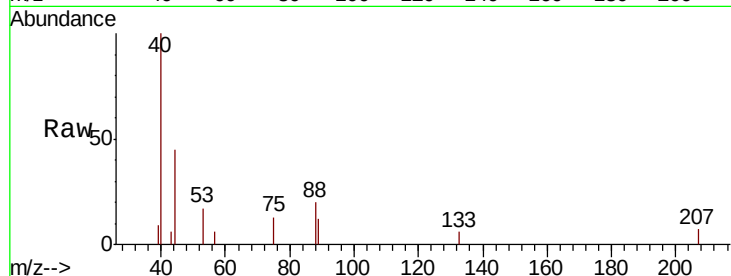




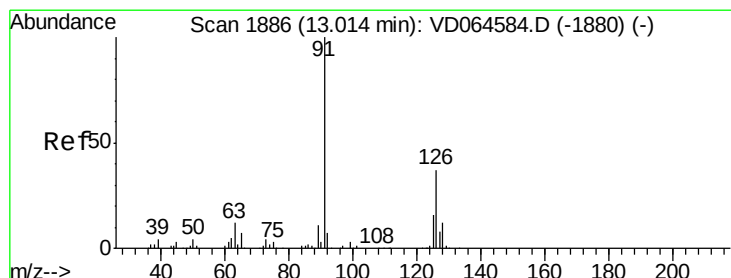
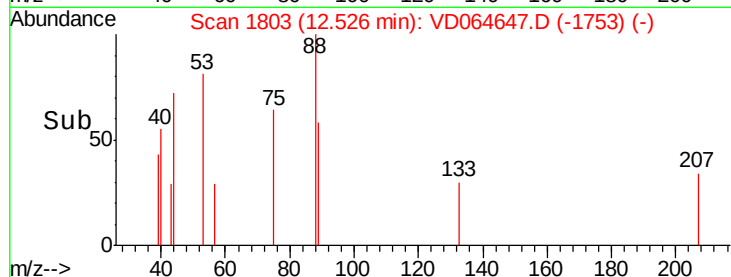
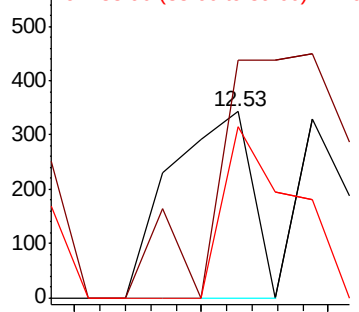
#81
trans-1,4-Dichloro-2-butene
Concen: 11.635 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion: 75 Resp: 305
Ion Ratio Lower Upper
75 100
53 0.0 78.8 118.2#
89 79.7 38.3 57.5#

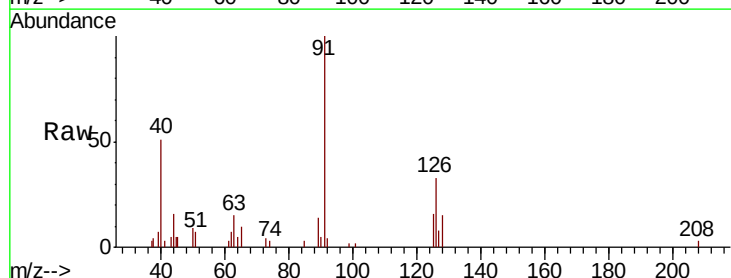


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

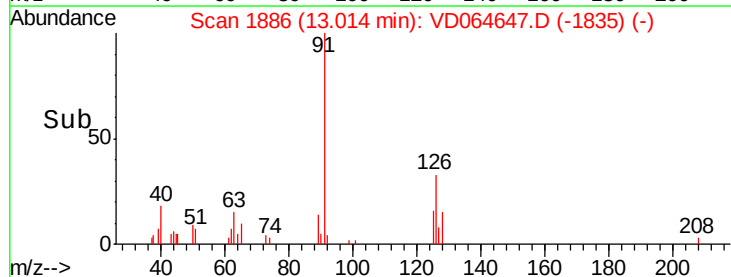
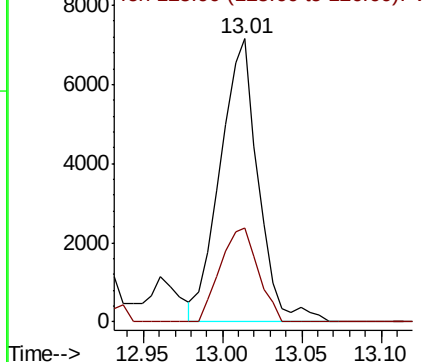


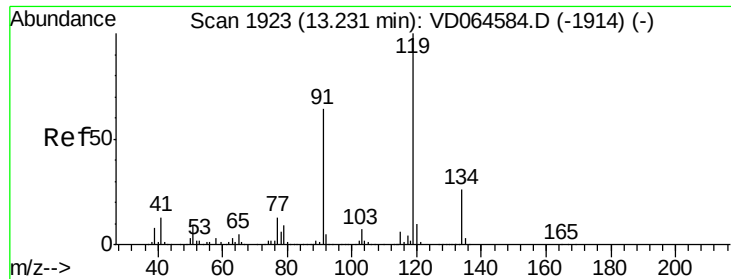
#82
4-Chlorotoluene
Concen: 35.229 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion: 91 Resp: 11921
Ion Ratio Lower Upper
91 100
126 32.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

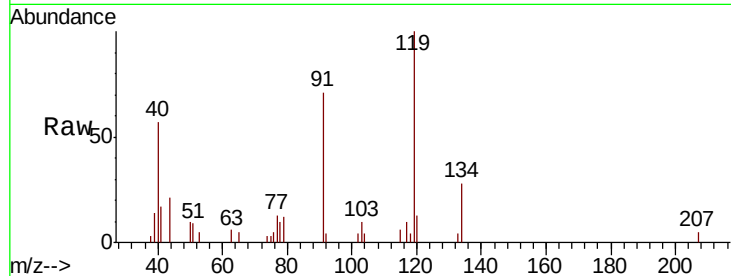




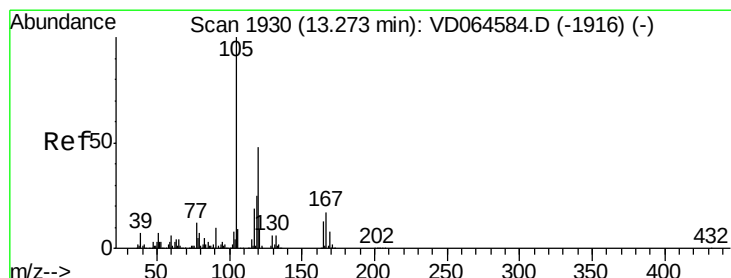
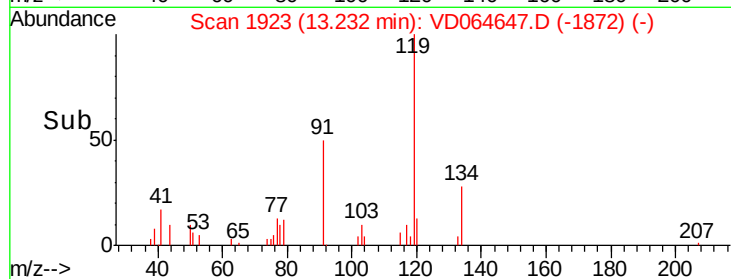
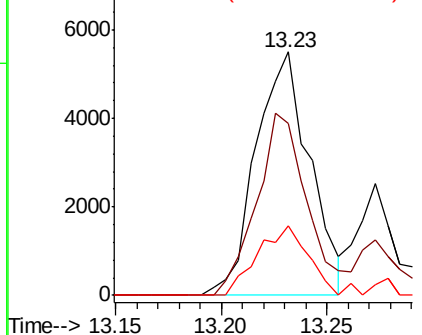
#83
 tert-Butylbenzene
 Concen: 27.541 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion:119 Resp: 9746
 Ion Ratio Lower Upper
 119 100
 91 71.4 30.8 92.4
 134 26.4 12.8 38.3

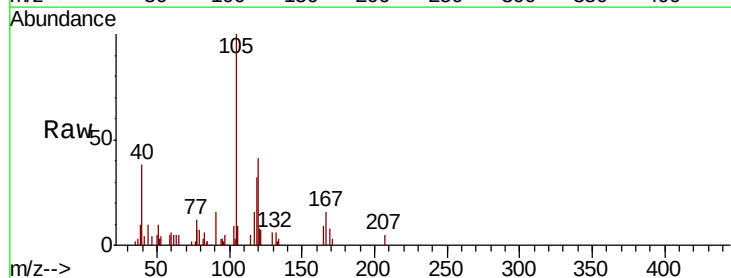


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

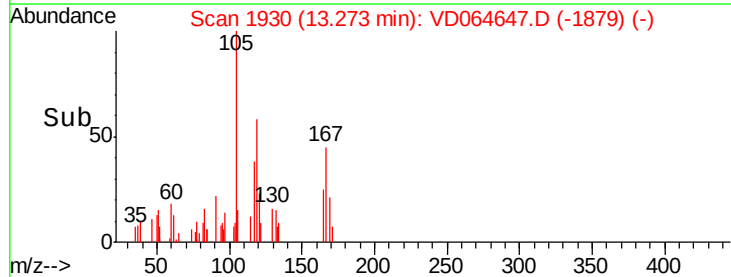
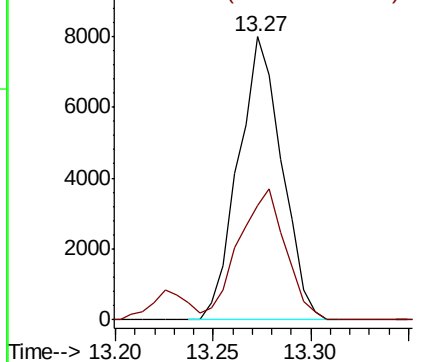


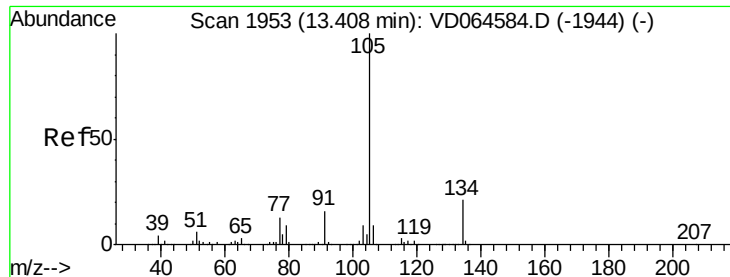
#84
 1,2,4-Trimethylbenzene
 Concen: 30.425 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion:105 Resp: 12350
 Ion Ratio Lower Upper
 105 100
 120 50.1 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: 28.744 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

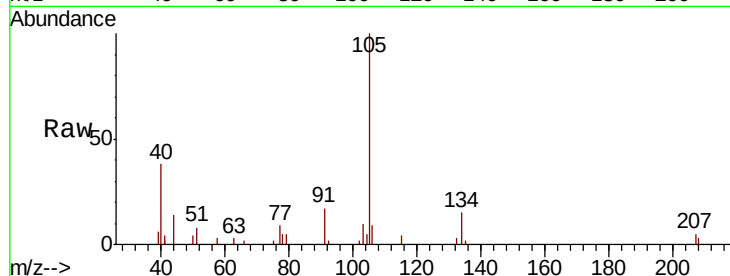
SB-2-(4-5)MS

Tot Ion:105 Resp: 13945

Ion Ratio Lower Upper

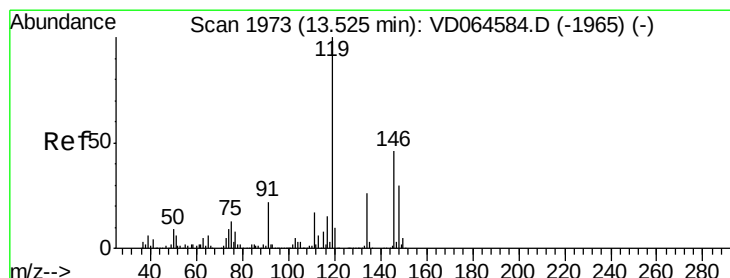
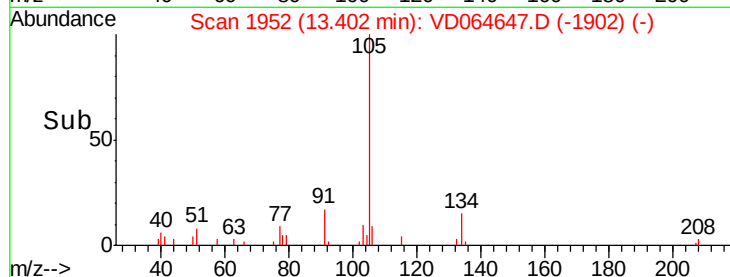
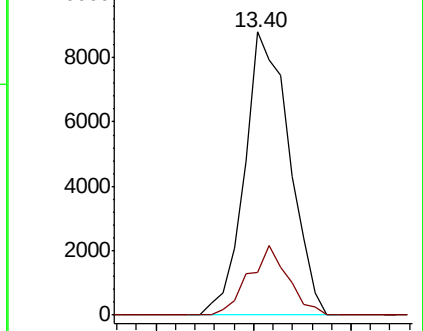
105 100

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



#86

p-Isopropyltoluene

Concen: 25.939 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

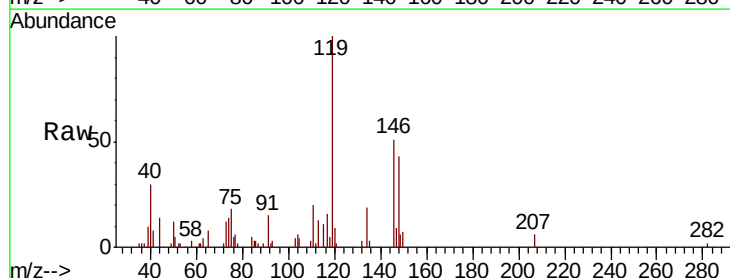
Tgt Ion:119 Resp: 12033

Ion Ratio Lower Upper

119 100

134 29.2 13.4 40.1

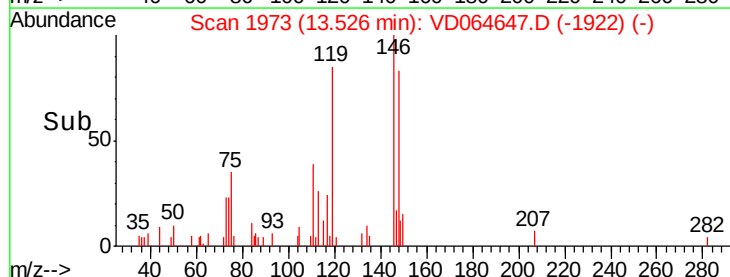
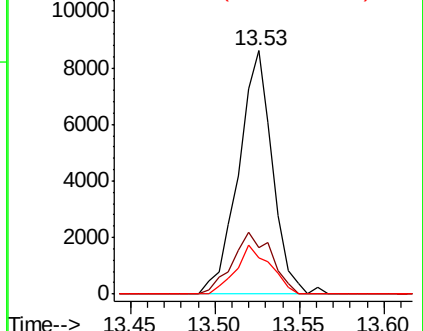
91 20.2 11.2 33.6

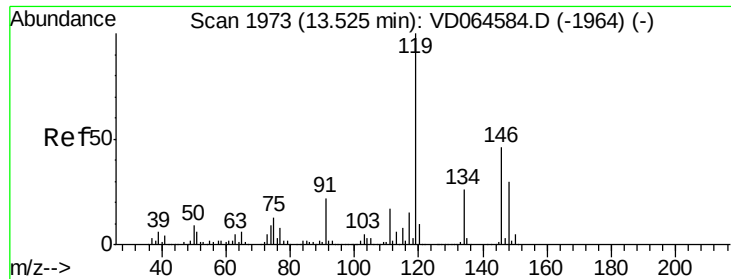


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

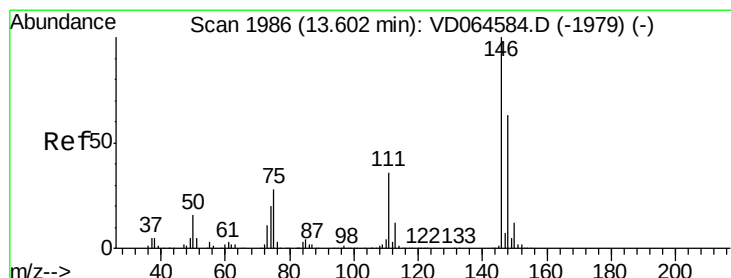
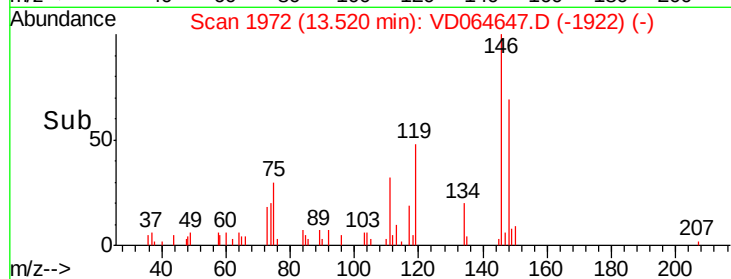
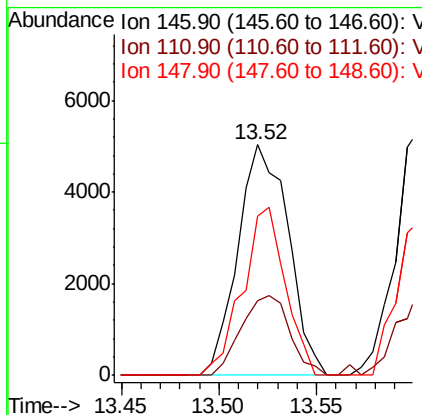
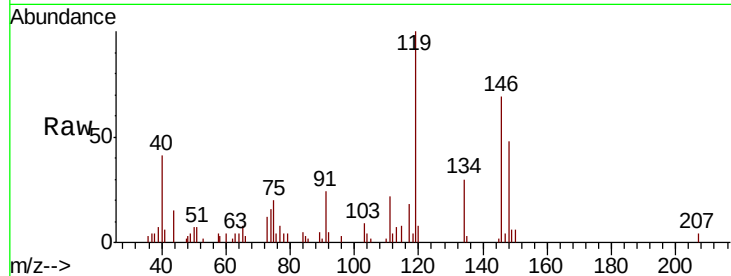




#87
 1,3-Dichlorobenzene
 Concen: 38.733 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

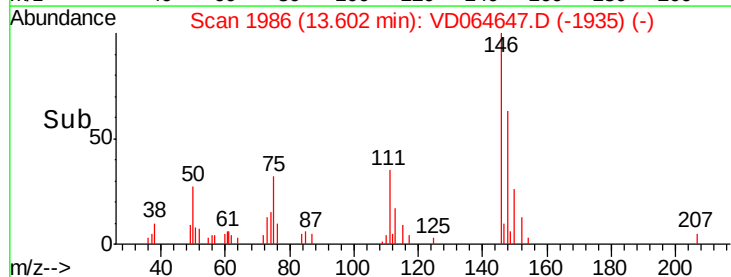
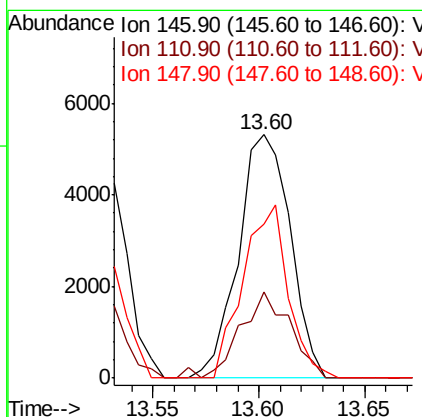
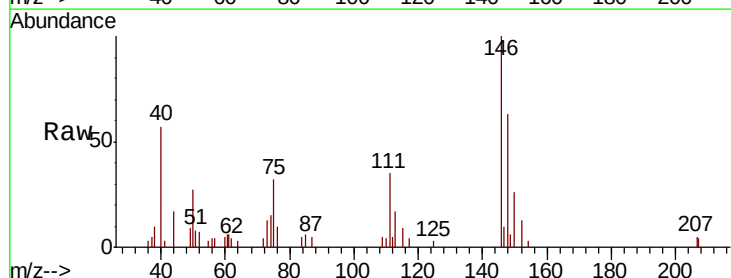
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

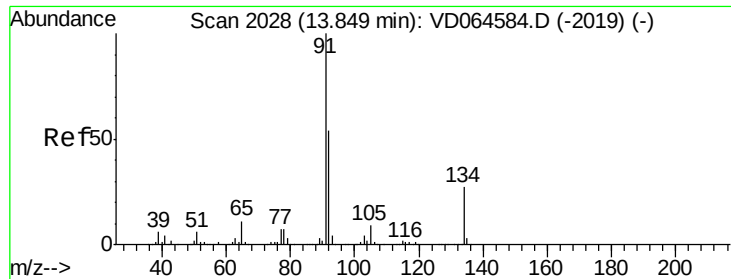
Tot Ion:146 Resp: 9002
 Ion Ratio Lower Upper
 146 100
 111 33.2 18.8 56.4
 148 62.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 39.626 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion:146 Resp: 9047
 Ion Ratio Lower Upper
 146 100
 111 34.3 18.1 54.1
 148 62.4 32.3 96.9





#89

n-Butylbenzene

Concen: 24.795 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064647.D

Acq: 27 Dec 2019 16:20

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

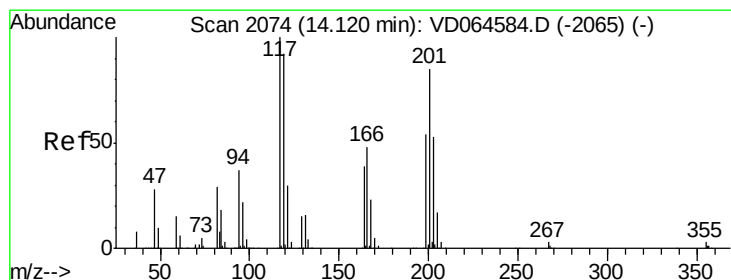
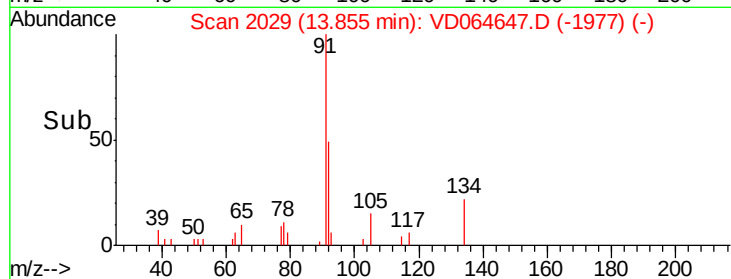
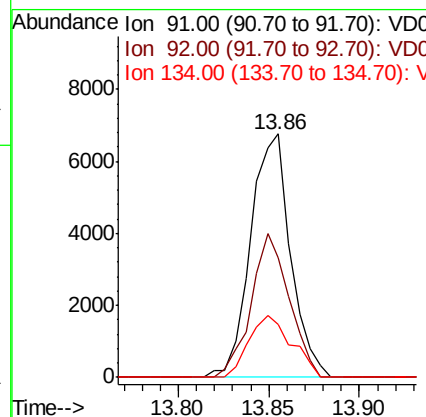
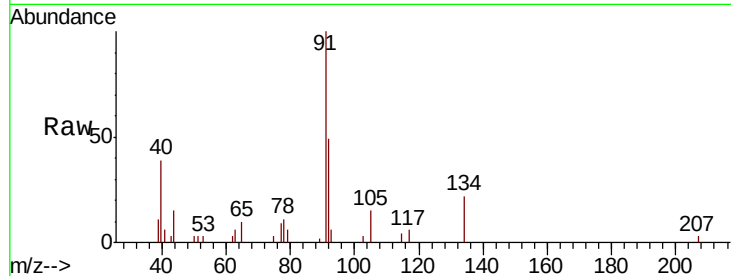
Tot Ion: 91 Resp: 10358

Ion Ratio Lower Upper

91 100

92 56.2 26.8 80.4

134 27.2 14.0 41.9



#90

Hexachloroethane

Concen: 26.938 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD064647.D

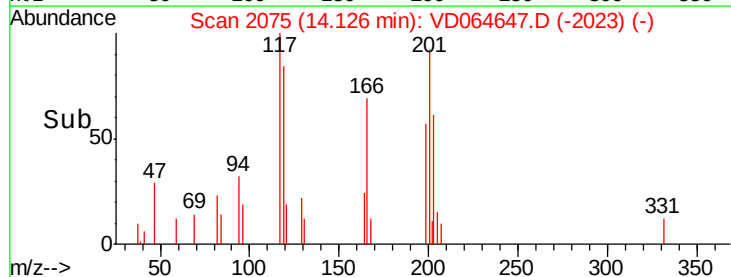
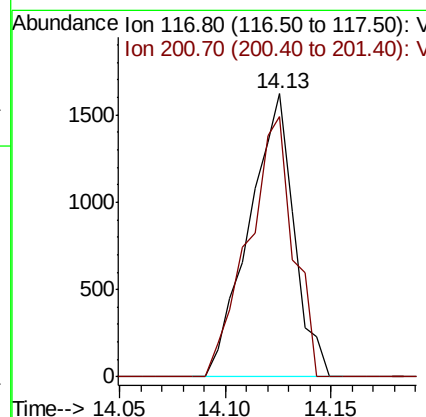
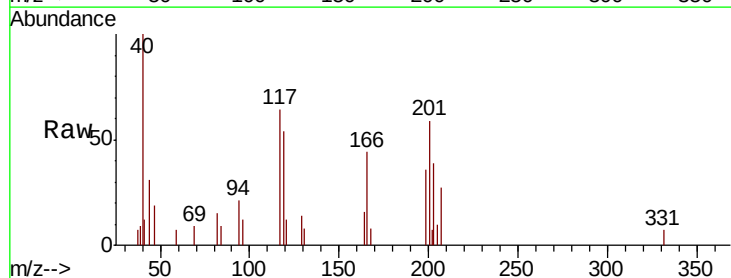
Acq: 27 Dec 2019 16:20

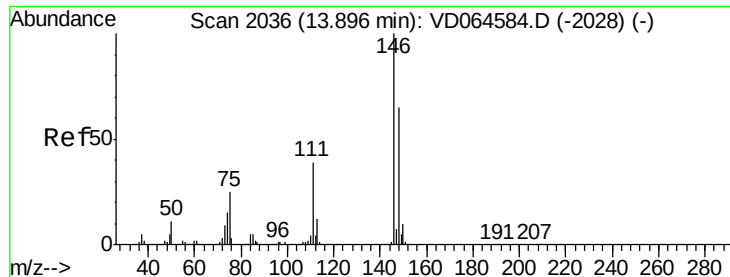
Tgt Ion: 117 Resp: 2387

Ion Ratio Lower Upper

117 100

201 92.7 44.0 131.8

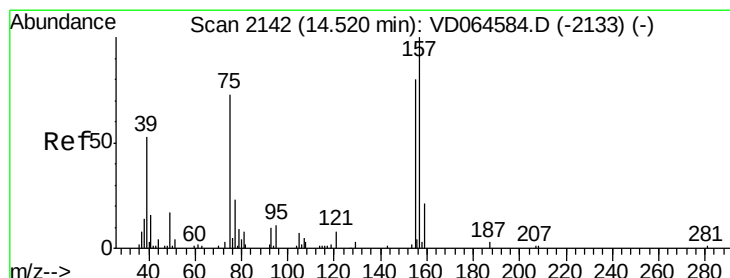
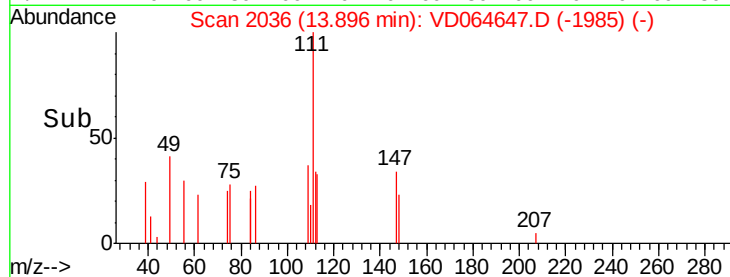
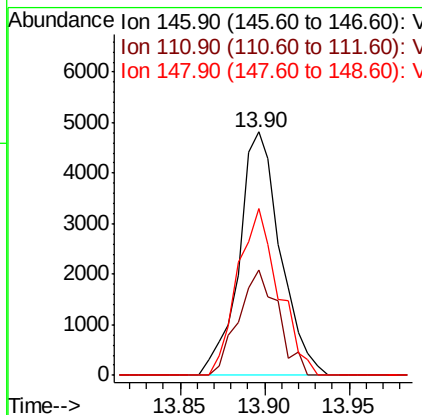
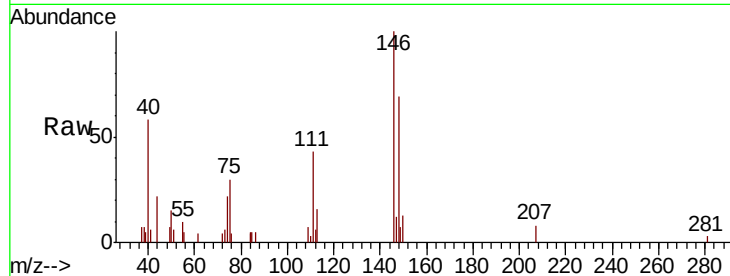




#91
 1,2-Dichlorobenzene
 Concen: 41.408 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

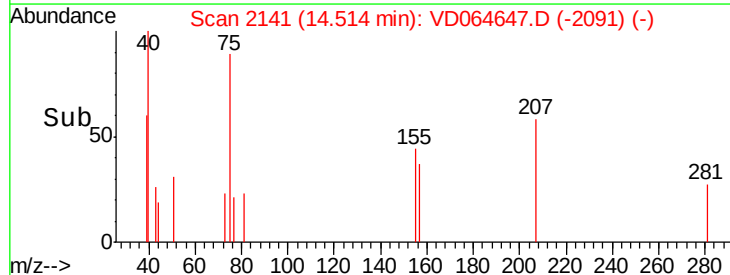
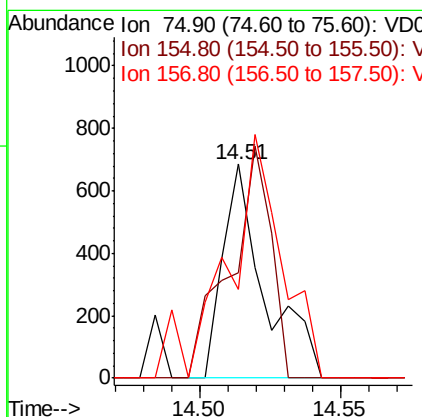
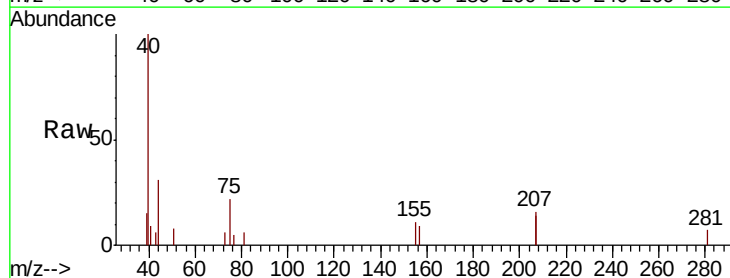
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

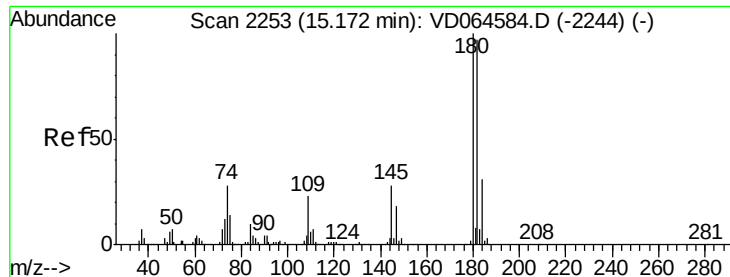
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.3	57.9
148	68.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.717 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.7	48.0	144.0
157	149.3	64.1	192.3

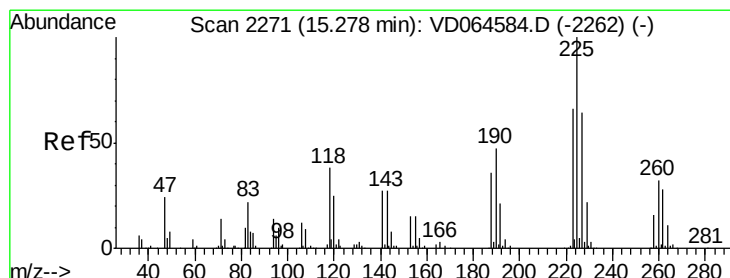
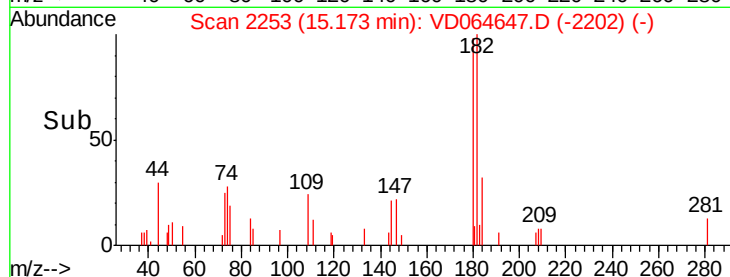
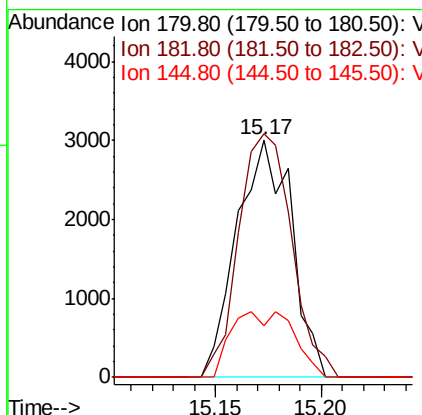
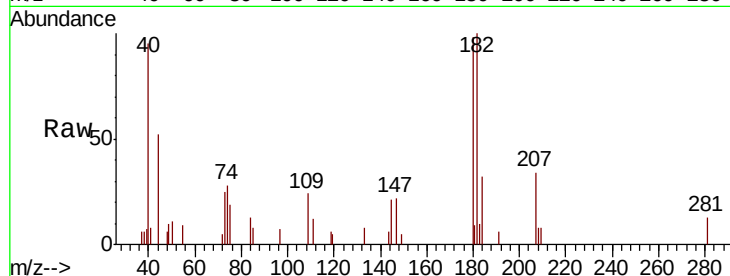




#93
 1,2,4-Trichlorobenzene
 Concen: 36.897 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

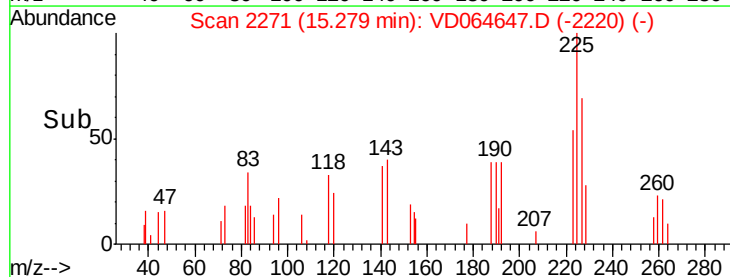
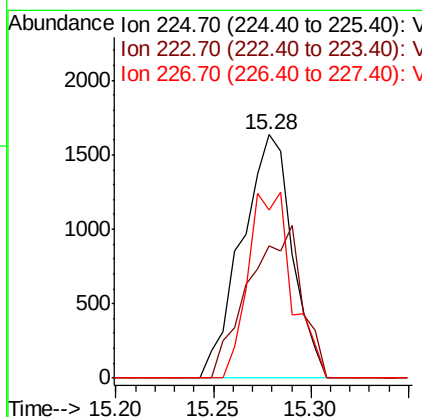
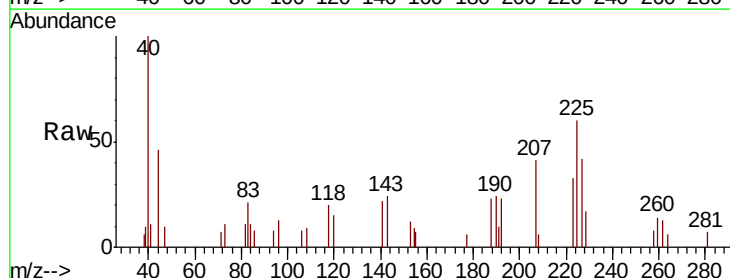
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

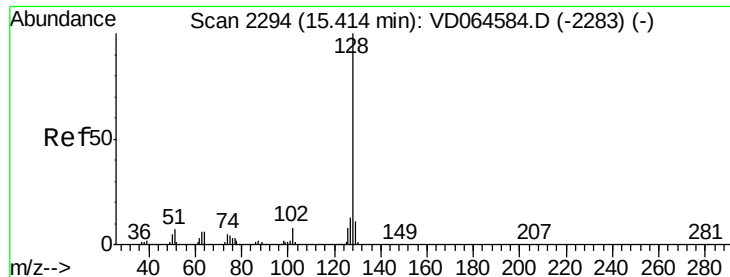
Tot Ion:180 Resp: 5384
 Ion Ratio Lower Upper
 180 100
 182 100.1 48.0 144.2
 145 31.5 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 31.964 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064647.D
 Acq: 27 Dec 2019 16:20

Tgt Ion:225 Resp: 2935
 Ion Ratio Lower Upper
 225 100
 223 65.7 31.1 93.2
 227 66.2 30.9 92.7

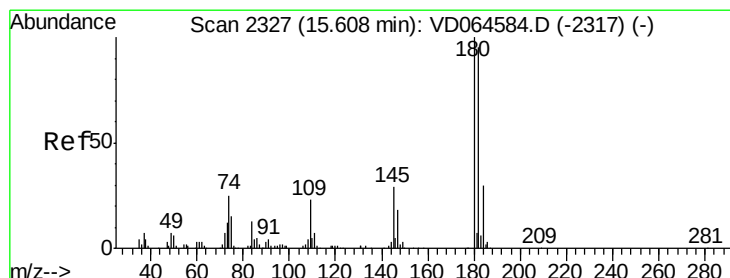
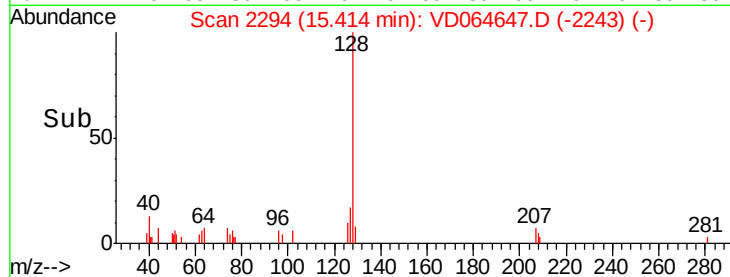
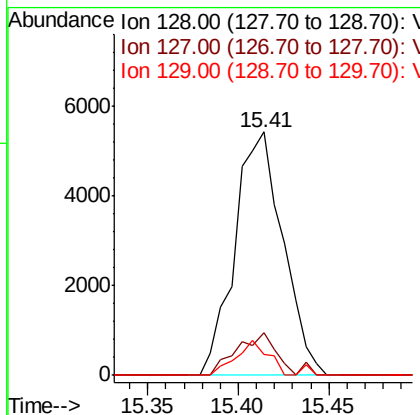
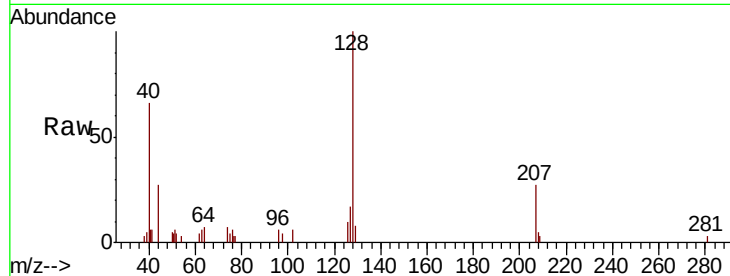




#95
Naphthalene
Concen: 43.483 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion:128 Resp: 10038
Ion Ratio Lower Upper
128 100
127 15.2 10.3 15.5
129 9.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 41.855 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064647.D
Acq: 27 Dec 2019 16:20

Tgt Ion:180 Resp: 5214
Ion Ratio Lower Upper
180 100
182 84.8 47.9 143.7
145 27.8 14.9 44.7

