

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064648.D
 Acq On : 27 Dec 2019 16:48
 Operator : VA/SY
 Sample : K6431-11MSD
 Misc : 5.41G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 30 00:59:48 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	406910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	525031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270671	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	184124	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.92	113	188261	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.34	98	708737	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.64	95	227447	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	148433	46.938	ug/l	95
3) Chloromethane	2.21	50	218512	49.408	ug/l	98
4) Vinyl Chloride	2.35	62	262324	48.647	ug/l	98
5) Bromomethane	2.77	94	191465	48.833	ug/l	97
6) Chloroethane	2.92	64	185033	51.210	ug/l	100
7) Trichlorofluoromethane	3.27	101	454673	50.076	ug/l	100
8) Diethyl Ether	3.71	74	91065	50.507	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	179932	47.851	ug/l	99
10) Methyl Iodide	4.29	142	205547	50.890	ug/l	100
11) Tert butyl alcohol	5.26	59	56868	276.549	ug/l	96
12) 1,1-Dichloroethene	4.06	96	171508	47.908	ug/l	96
13) Acrolein	3.92	56	72432	252.744	ug/l	100
14) Allyl chloride	4.71	41	277823	49.775	ug/l	99
15) Acrylonitrile	5.43	53	192404	256.192	ug/l	99
16) Acetone	4.17	43	188425	249.348	ug/l	95
17) Carbon Disulfide	4.40	76	549339	47.457	ug/l	100
18) Methyl Acetate	4.73	43	100517	49.760	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	406317	51.099	ug/l	99
20) Methylene Chloride	4.96	84	196678	53.986	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	203060	49.806	ug/l	98
22) Diisopropyl ether	6.37	45	565786	50.821	ug/l	98
23) Vinyl Acetate	6.31	43	1668111	264.139	ug/l	100
24) 1,1-Dichloroethane	6.27	63	338787	50.690	ug/l	97
25) 2-Butanone	7.23	43	260111	263.730	ug/l	99
26) 2,2-Dichloropropane	7.21	77	296790	47.762	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	221446	50.328	ug/l	100
28) Bromochloromethane	7.55	49	144907	55.775	ug/l	97
29) Tetrahydrofuran	7.57	42	157321	256.498	ug/l	99
30) Chloroform	7.71	83	354964	50.622	ug/l	99
31) Cyclohexane	7.99	56	299225	44.726	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	325152	49.369	ug/l	99
36) 1,1-Dichloropropene	8.11	75	276633	48.789	ug/l	99
37) Ethyl Acetate	7.30	43	108366	48.650	ug/l #	95
38) Carbon Tetrachloride	8.10	117	296761	49.085	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	328040	47.768	ug/l	99
40) Benzene	8.36	78	779068	50.333	ug/l	99
41) Methacrylonitrile	7.53	41	64378	49.814	ug/l	93
42) 1,2-Dichloroethane	8.43	62	228526	51.092	ug/l	99
43) Isopropyl Acetate	8.46	43	225827	50.936	ug/l	100
44) Trichloroethene	9.11	130	226979	49.918	ug/l	96
45) 1,2-Dichloropropane	9.39	63	189801	51.358	ug/l	98
46) Dibromomethane	9.48	93	107785	52.311	ug/l	99
47) Bromodichloromethane	9.67	83	276949	50.512	ug/l	97
48) Methyl methacrylate	9.46	41	102218	48.965	ug/l	90
49) 1,4-Dioxane	9.46	88	24679	1038.743	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	567004	258.739	ug/l	100
52) Toluene	10.40	92	507469	49.972	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	261120	51.082	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	309631	51.370	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	141736	51.043	ug/l	98
56) Ethyl methacrylate	10.66	69	182812	52.715	ug/l	99
57) 1,3-Dichloropropane	10.95	76	243819	50.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	315936	239.121	ug/l	99
59) 2-Hexanone	10.98	43	392549	263.924	ug/l	100
60) Dibromochloromethane	11.14	129	195936	51.025	ug/l	99
61) 1,2-Dibromoethane	11.25	107	141306	51.594	ug/l	99
64) Tetrachloroethene	10.87	164	196182	48.705	ug/l	98
65) Chlorobenzene	11.67	112	542971	49.828	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	207538	50.521	ug/l	99
67) Ethyl Benzene	11.75	91	983808	49.741	ug/l	99
68) m/p-Xylenes	11.86	106	763131	99.963	ug/l	98
69) o-Xylene	12.18	106	348347	50.518	ug/l	100
70) Styrene	12.20	104	623816	51.540	ug/l	99
71) Bromoform	12.36	173	120607	51.483	ug/l #	97
73) Isopropylbenzene	12.48	105	938122	48.500	ug/l	99
74) N-amyl acetate	12.29	43	211745	51.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	150023	49.373	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	201373	94.215	ug/l #	100
77) Bromobenzene	12.77	156	229907	48.373	ug/l	98
78) n-propylbenzene	12.83	91	1103293	48.892	ug/l	99
79) 2-Chlorotoluene	12.91	91	605029	48.807	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	778689	49.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52125	51.005	ug/l	99
82) 4-Chlorotoluene	13.01	91	641341	48.616	ug/l	100
83) tert-Butylbenzene	13.23	119	673282	48.804	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	782939	49.476	ug/l	99
85) sec-Butylbenzene	13.41	105	914474	48.351	ug/l	100
86) p-Isopropyltoluene	13.53	119	878111	48.556	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	442408	48.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	441063	49.554	ug/l	99
89) n-Butylbenzene	13.85	91	793439	48.720	ug/l	99
90) Hexachloroethane	14.12	117	162243	46.965	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	379405	49.108	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23475	47.657	ug/l	100

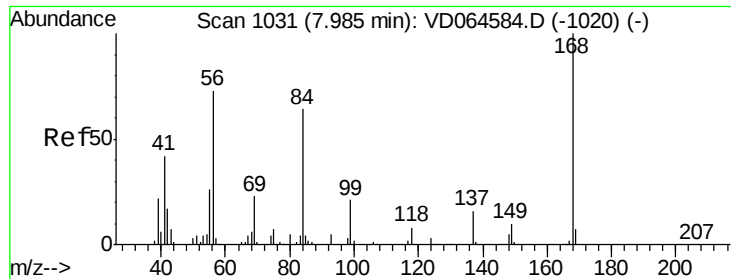
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	275101	48.360	ug/l	99
94) Hexachlorobutadiene	15.28	225	165695	46.287	ug/l	98
95) Naphthalene	15.41	128	448409	49.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	236156	48.628	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

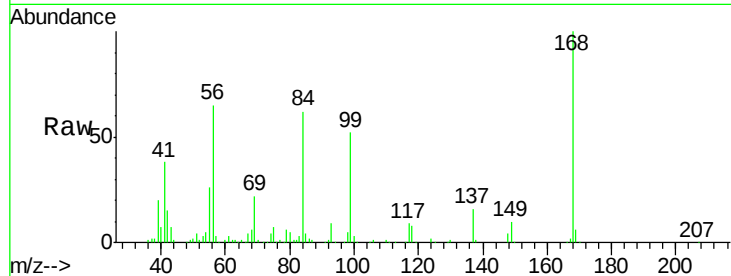
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion:168 Resp: 406910

Ion Ratio Lower Upper

168 100

99 51.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

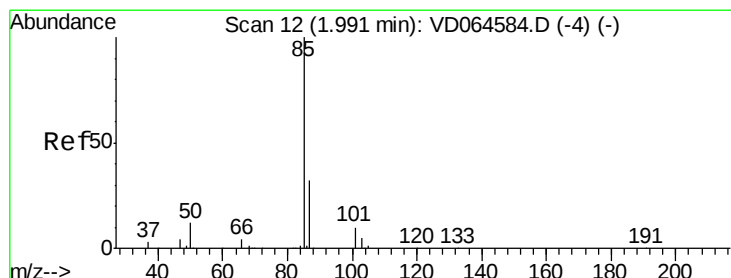
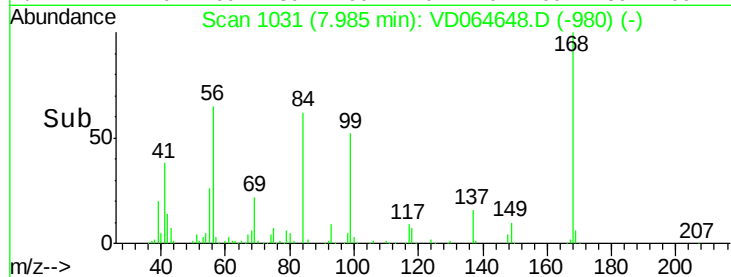
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.938 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064648.D

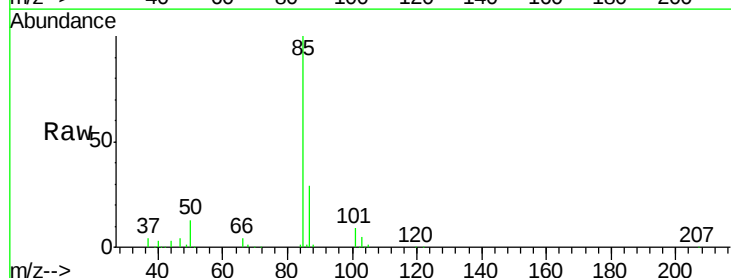
Acq: 27 Dec 2019 16:48

Tgt Ion: 85 Resp: 148433

Ion Ratio Lower Upper

85 100

87 29.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

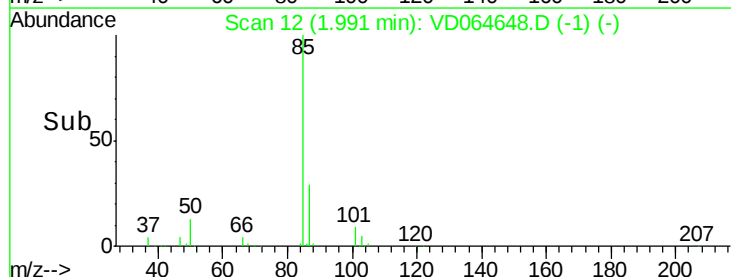
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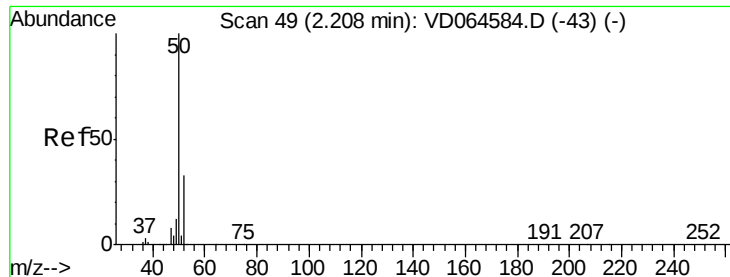
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 49.408 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

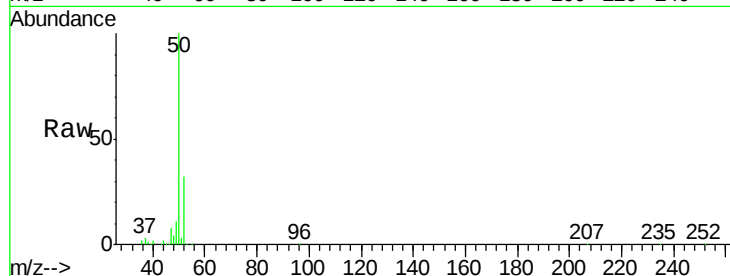
SB-2-(4-5)MSD

Tgt Ion: 50 Resp: 218512

Ion Ratio Lower Upper

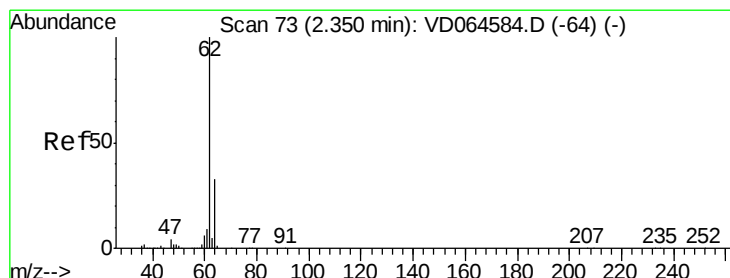
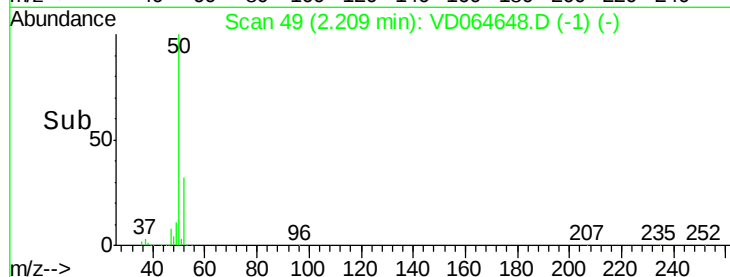
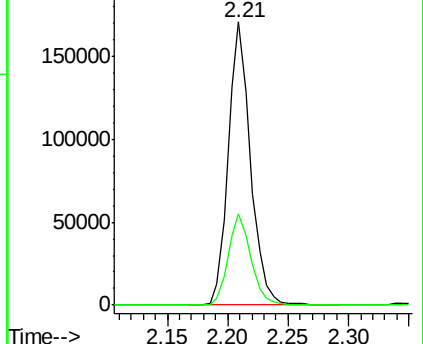
50 100

52 32.1 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: 48.647 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064648.D

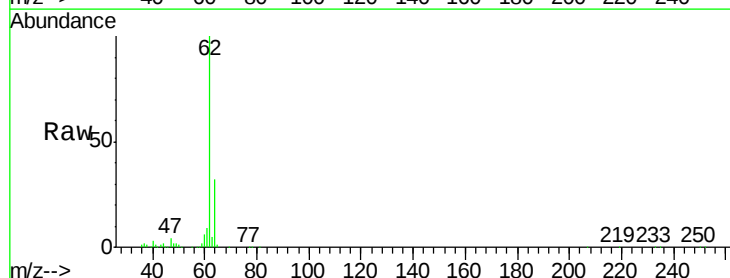
Acq: 27 Dec 2019 16:48

Tgt Ion: 62 Resp: 262324

Ion Ratio Lower Upper

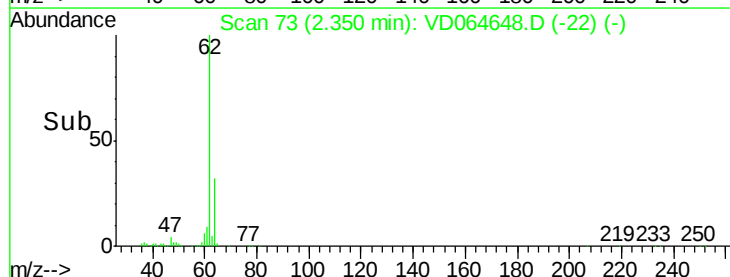
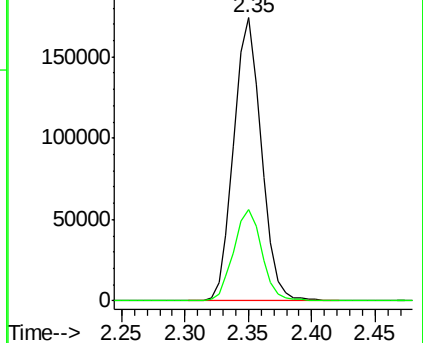
62 100

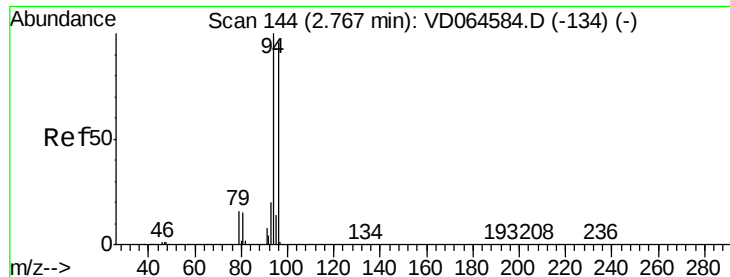
64 32.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.833 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

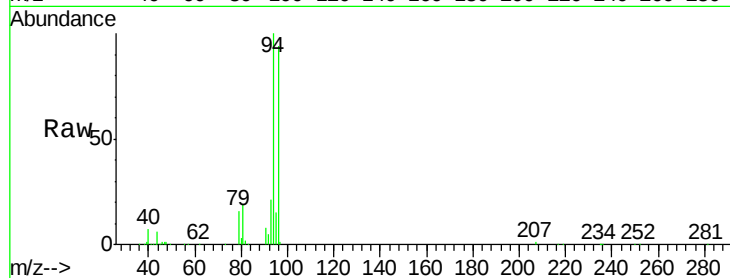
SB-2-(4-5)MSD

Tgt Ion: 94 Resp: 191465

Ion Ratio Lower Upper

94 100

96 93.9 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

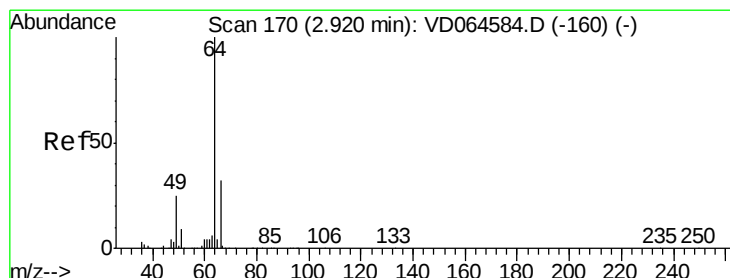
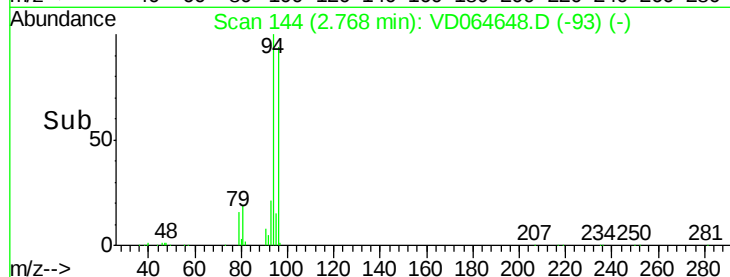
40000

20000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 51.210 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064648.D

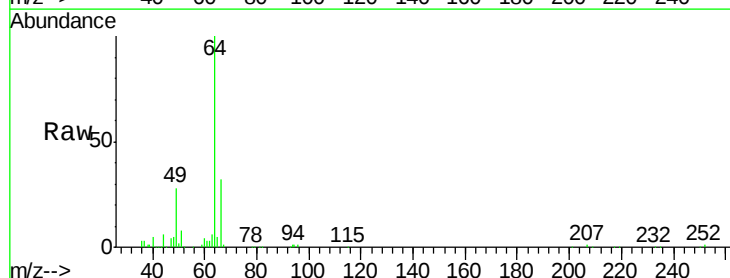
Acq: 27 Dec 2019 16:48

Tgt Ion: 64 Resp: 185033

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

60000

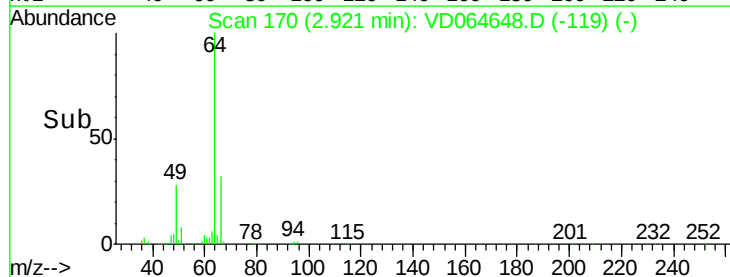
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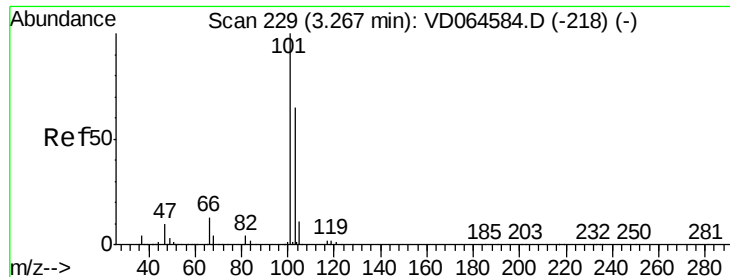
20000

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Time-->

2.80 2.90 3.00



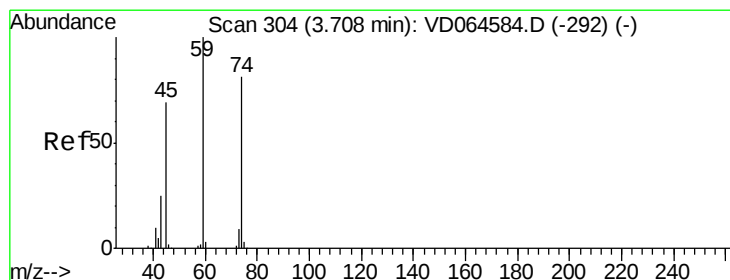
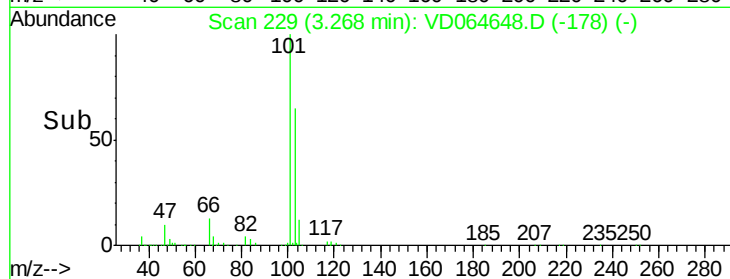
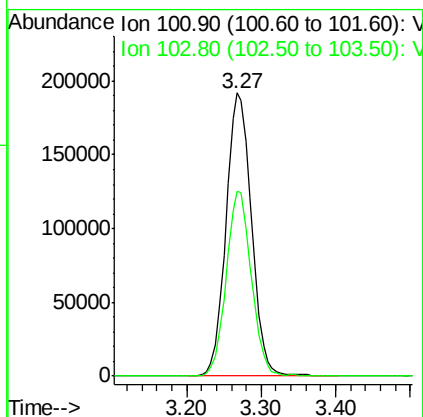
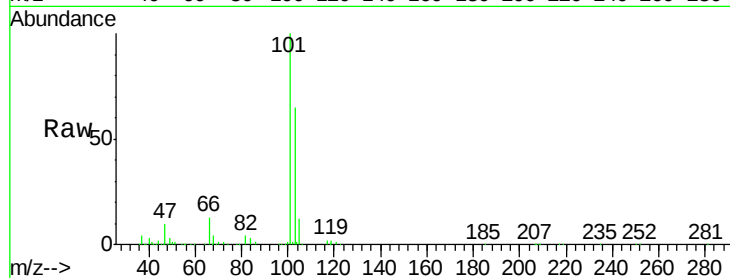


#7

Trichlorofluoromethane
 Concen: 50.076 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

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

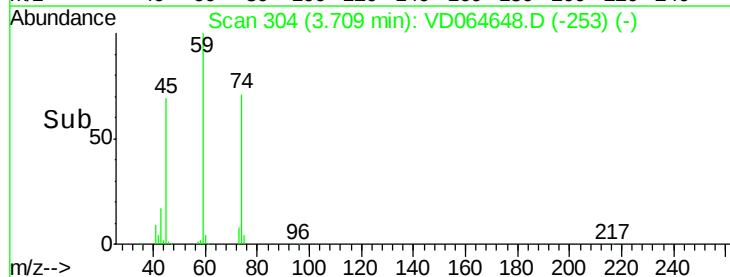
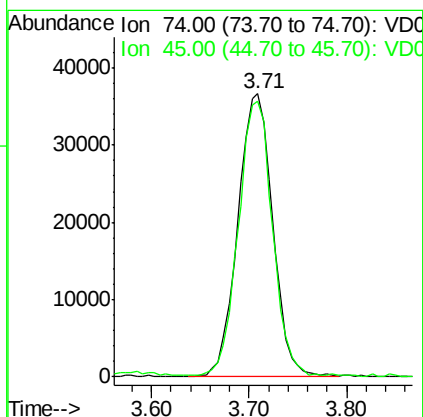
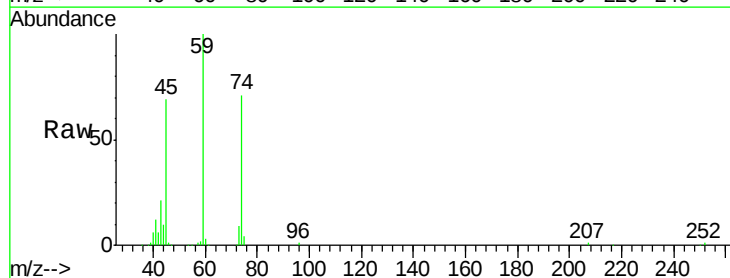
Tgt Ion:101 Resp: 454673
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.2 78.4

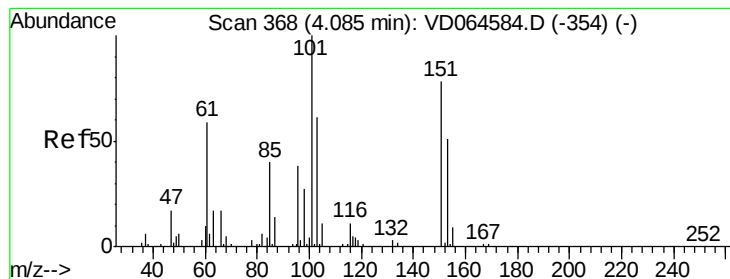


#8

Diethyl Ether
 Concen: 50.507 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 74 Resp: 91065
 Ion Ratio Lower Upper
 74 100
 45 93.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.851 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

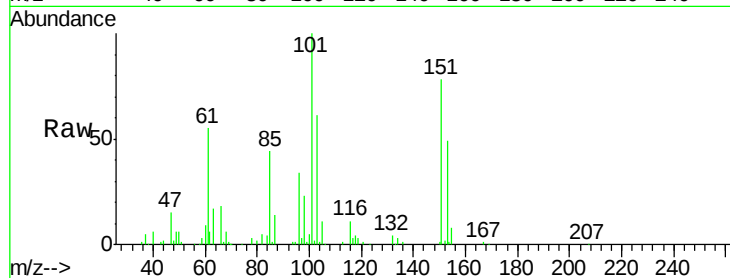
Tgt Ion:101 Resp: 179932

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

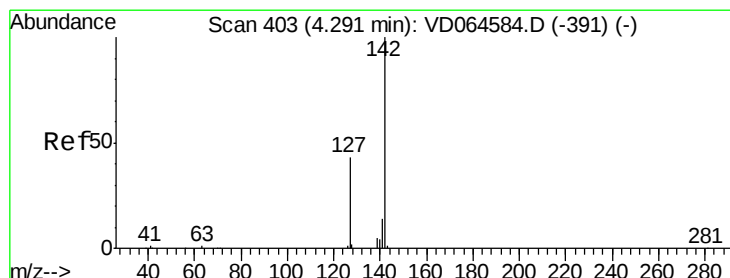
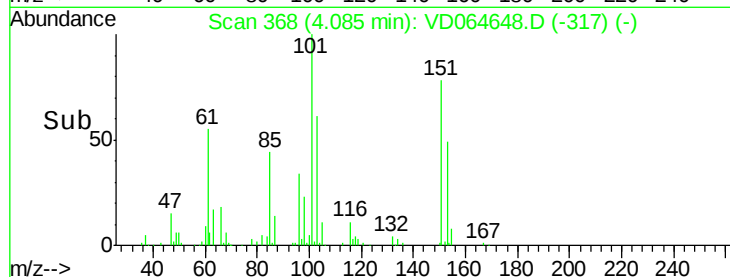
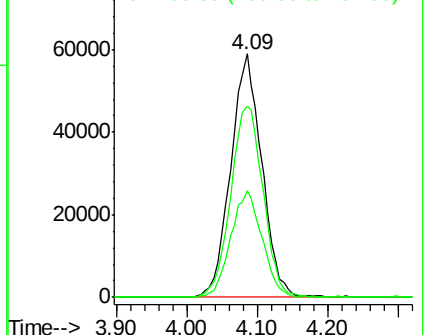
151 81.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.890 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

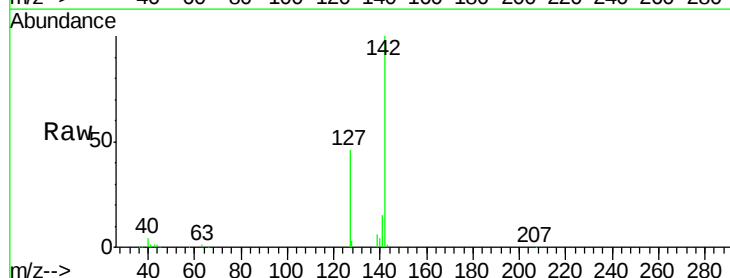
Tgt Ion:142 Resp: 205547

Ion Ratio Lower Upper

142 100

127 45.3 36.2 54.4

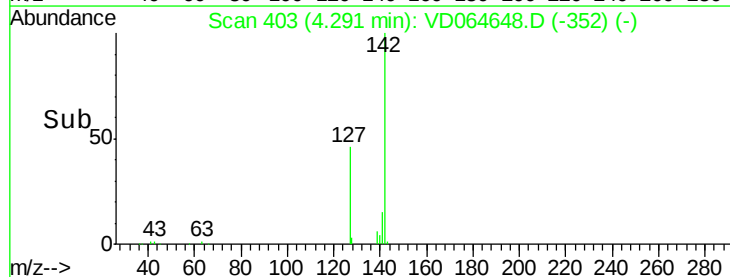
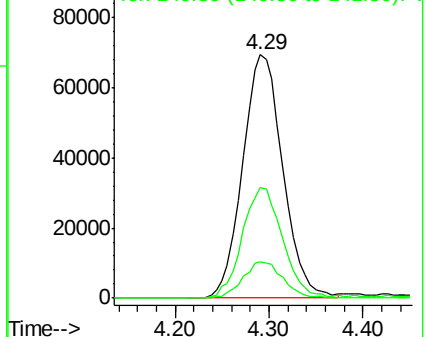
141 14.9 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

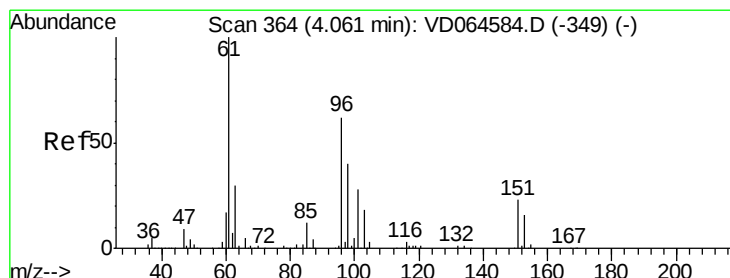
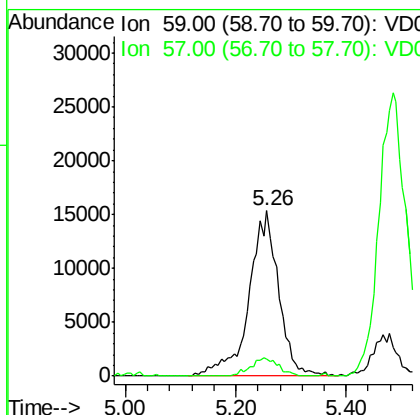
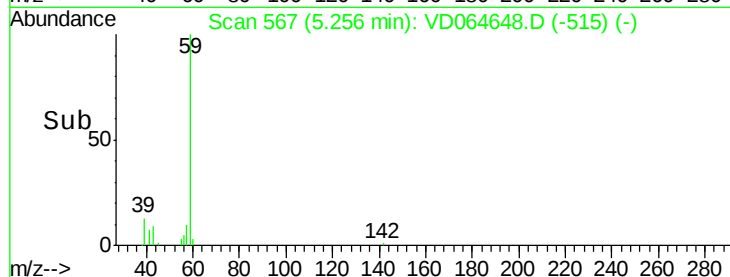
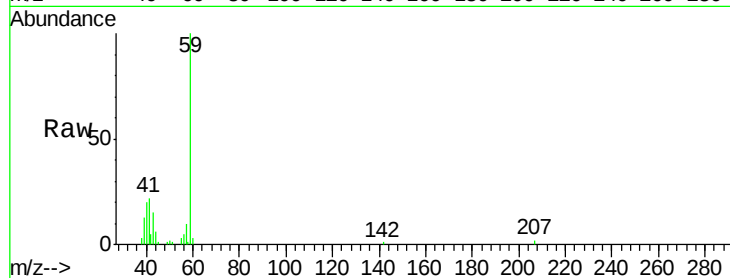




#11
Tert butyl alcohol
Concen: 276.549 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

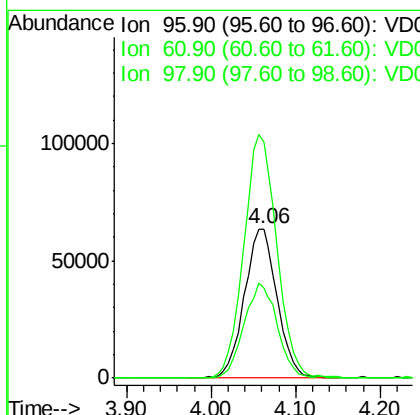
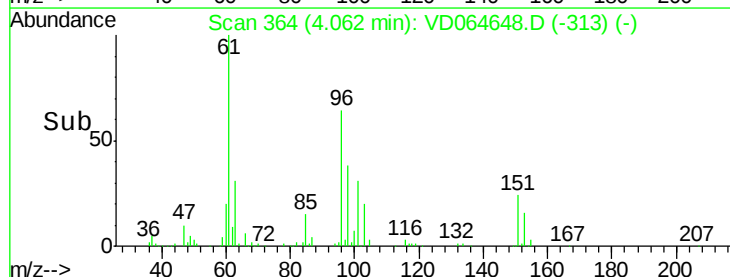
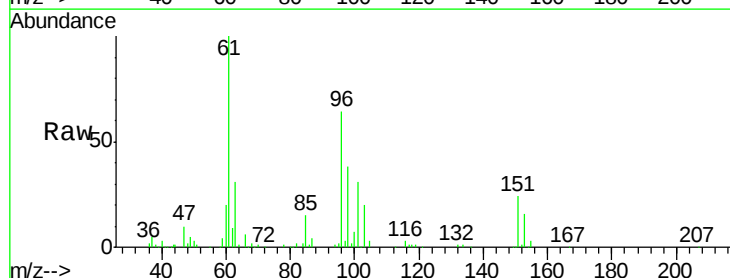
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

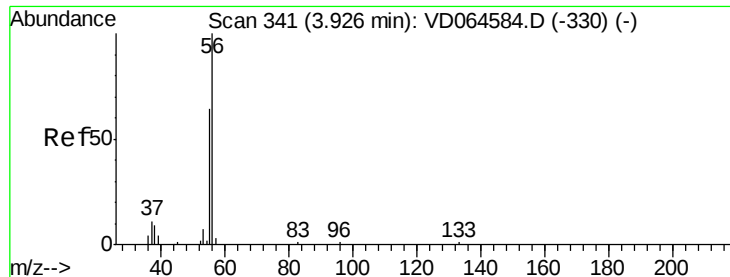
Tgt Ion: 59 Resp: 56868
Ion Ratio Lower Upper
59 100
57 10.2 9.3 13.9



#12
1,1-Dichloroethene
Concen: 47.908 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 96 Resp: 171508
Ion Ratio Lower Upper
96 100
61 157.5 129.4 194.0
98 60.5 51.4 77.0





#13

Acrolein

Concen: 252.744 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

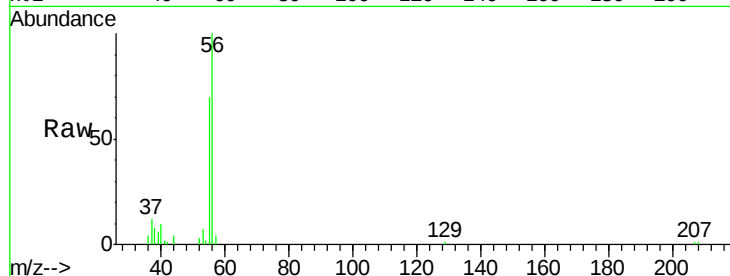
SB-2-(4-5)MSD

Tgt Ion: 56 Resp: 72432

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

25000

20000

15000

10000

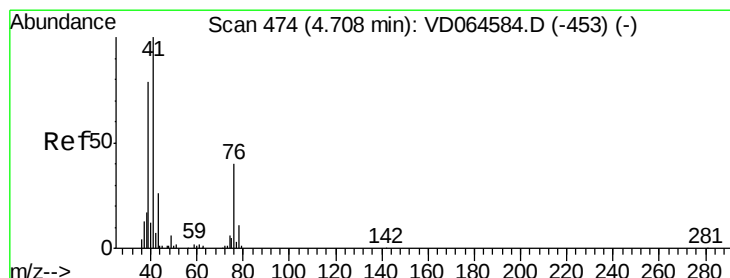
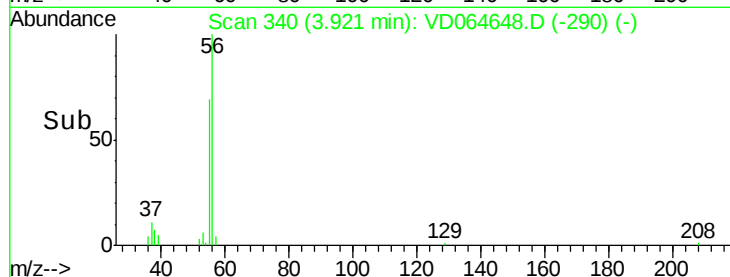
5000

0

Time-->

3.80 3.90 4.00

3.92



#14

Allyl chloride

Concen: 49.775 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

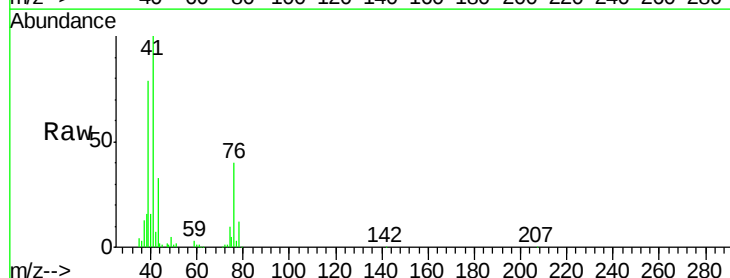
Tgt Ion: 41 Resp: 277823

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

76 38.0 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

120000

100000

80000

60000

40000

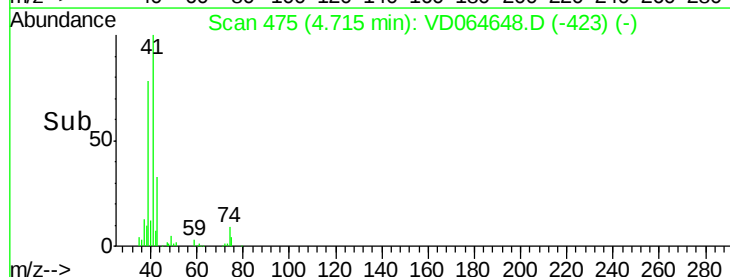
20000

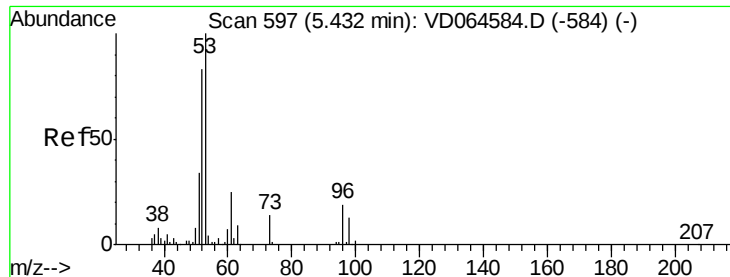
0

Time-->

4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 256.192 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

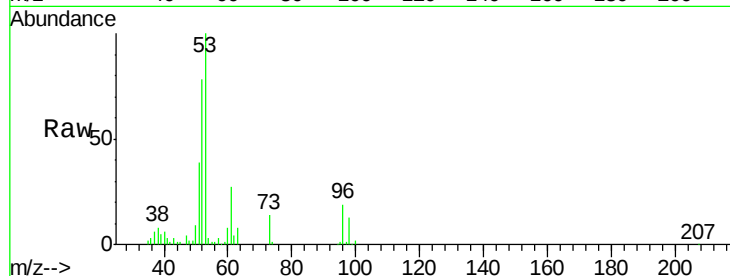
Tgt Ion: 53 Resp: 192404

Ion Ratio Lower Upper

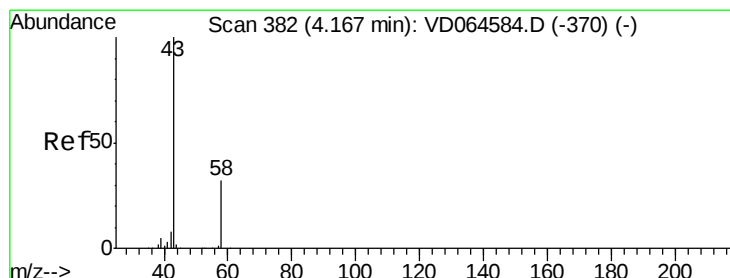
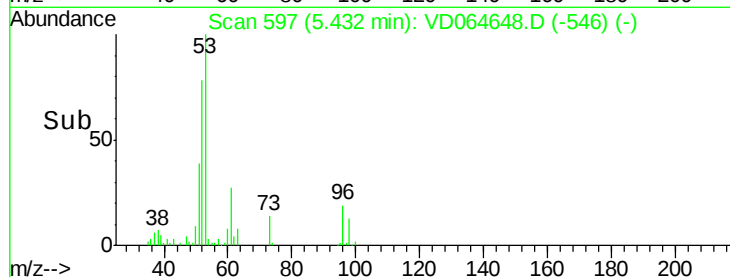
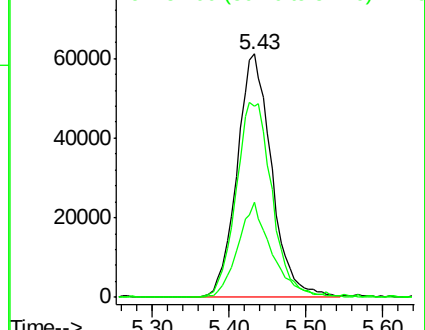
53 100

52 83.2 66.2 99.2

51 38.0 30.1 45.1



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



#16

Acetone

Concen: 249.348 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064648.D

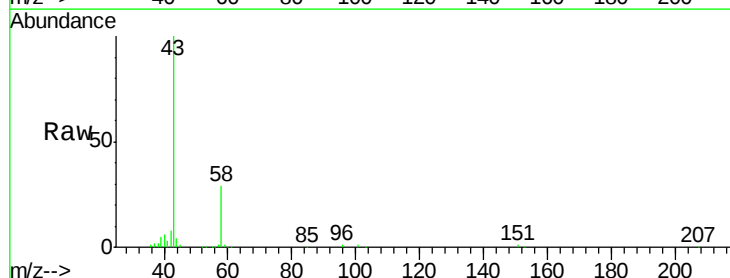
Acq: 27 Dec 2019 16:48

Tgt Ion: 43 Resp: 188425

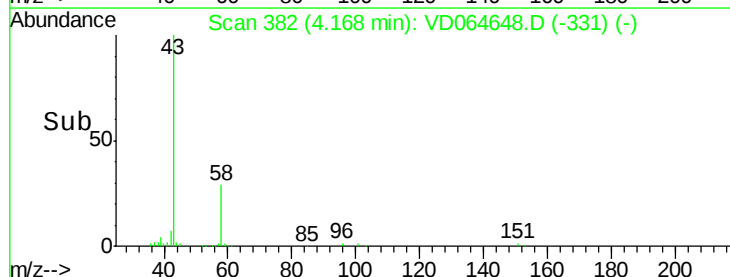
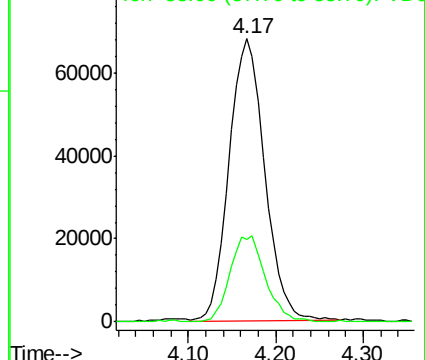
Ion Ratio Lower Upper

43 100

58 29.2 25.8 38.6



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

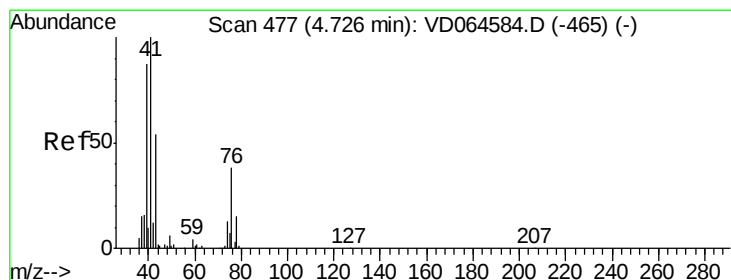
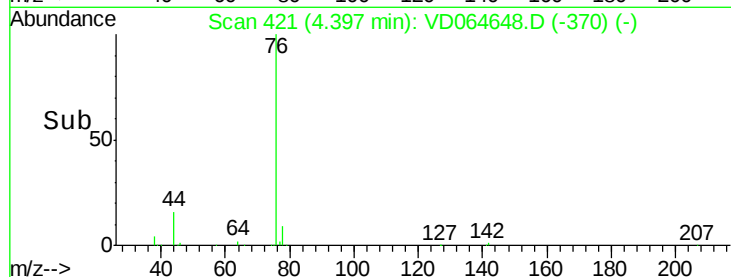
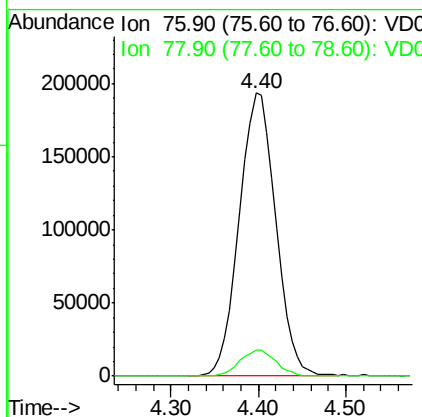
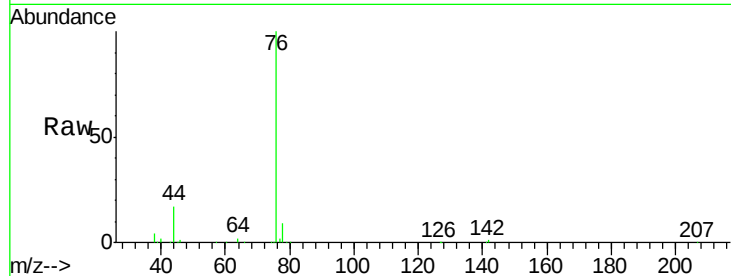




#17
Carbon Disulfide
Concen: 47.457 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

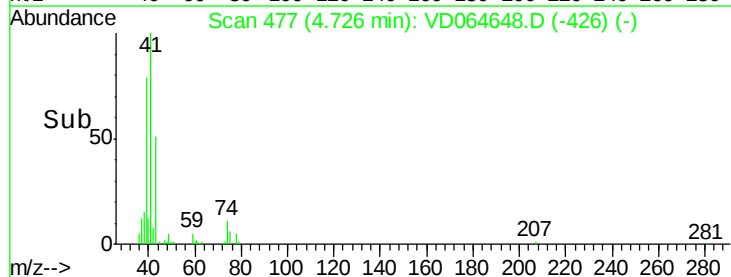
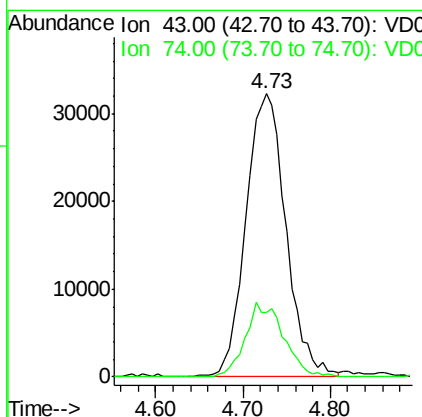
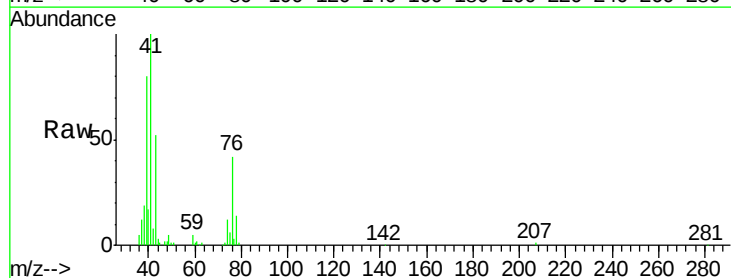
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion: 76 Resp: 549339
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 49.760 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 43 Resp: 100517
Ion Ratio Lower Upper
43 100
74 25.0 19.2 28.8



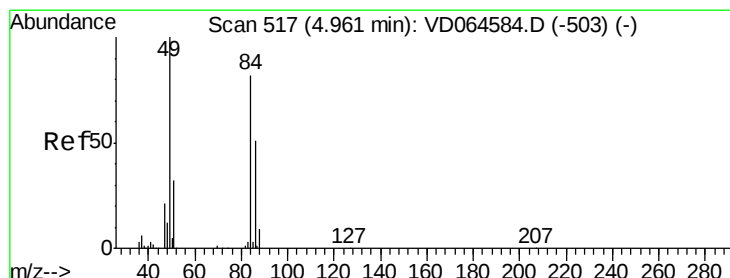
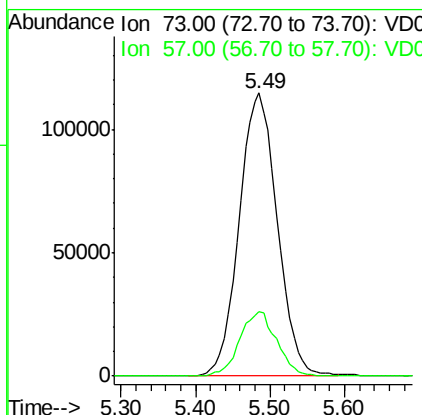
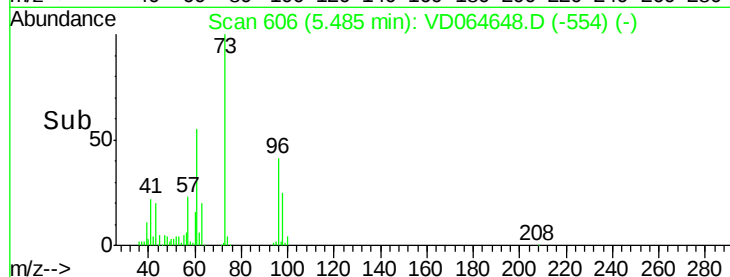
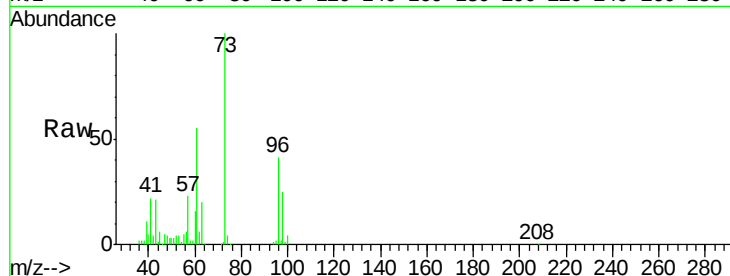


#19

Methyl tert-butyl Ether
 Concen: 51.099 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

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

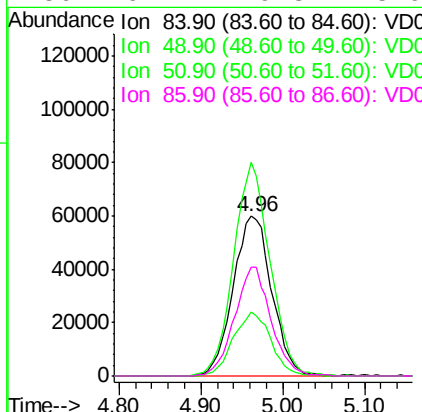
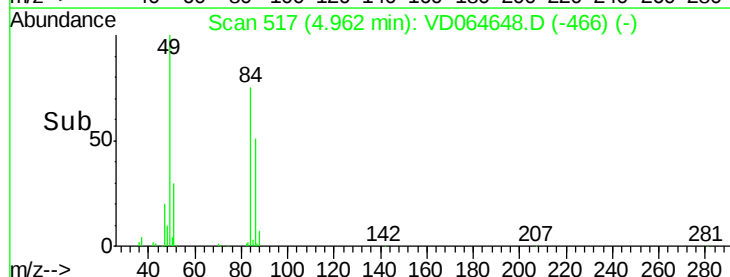
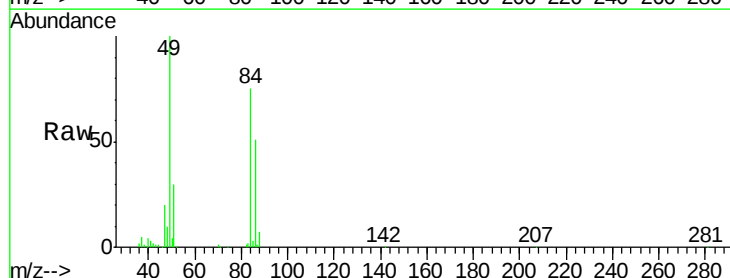
Tgt Ion: 73 Resp: 406317
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.6 27.8

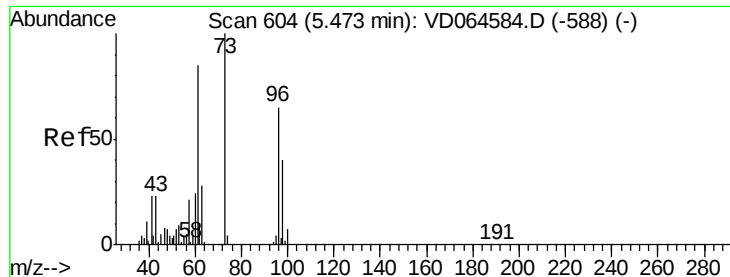


#20

Methylene Chloride
 Concen: 53.986 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 84 Resp: 196678
 Ion Ratio Lower Upper
 84 100
 49 133.5 97.2 145.8
 51 39.7 31.4 47.0
 86 67.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.806 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

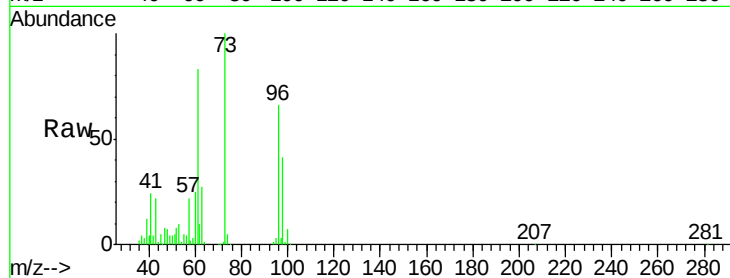
Tgt Ion: 96 Resp: 203060

Ion Ratio Lower Upper

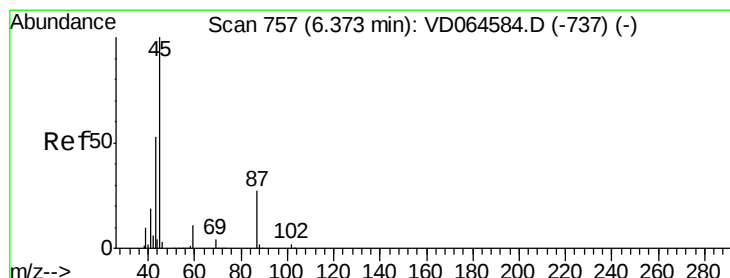
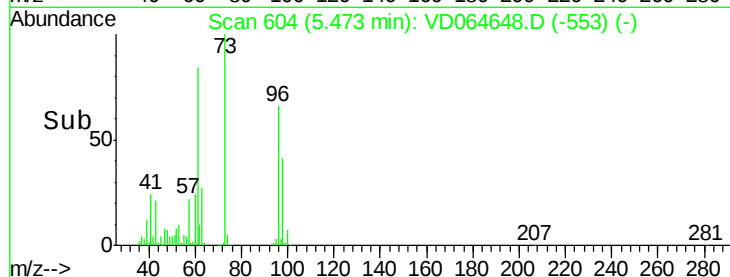
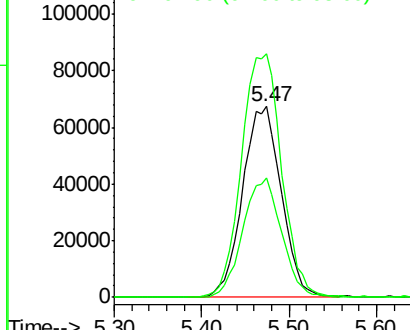
96 100

61 127.4 104.7 157.1

98 62.7 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: 50.821 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion: 45 Resp: 565786

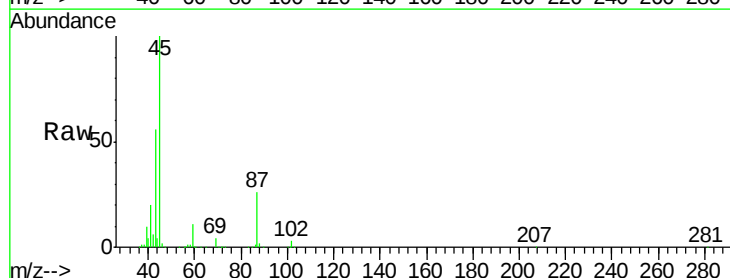
Ion Ratio Lower Upper

45 100

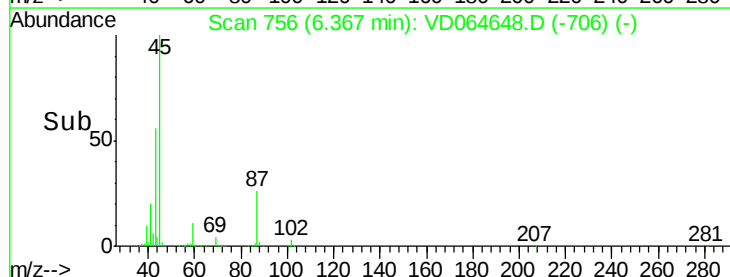
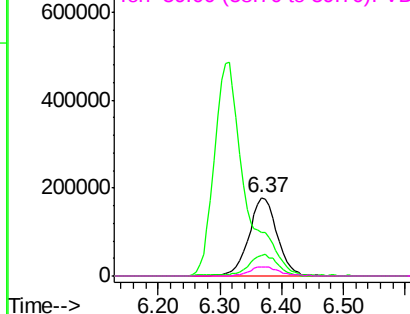
43 55.5 43.2 64.8

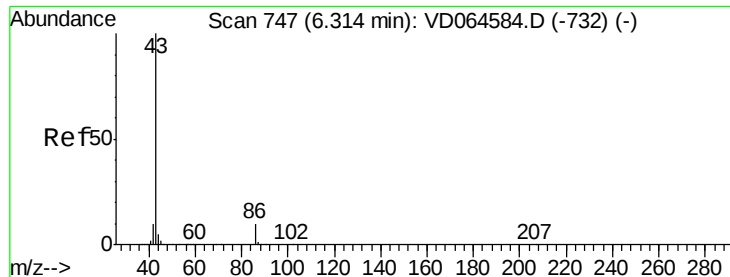
87 26.1 21.9 32.9

59 11.2 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: 264.139 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

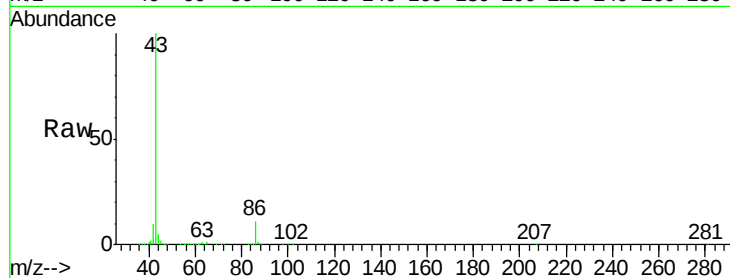
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 1668111

Ion Ratio Lower Upper

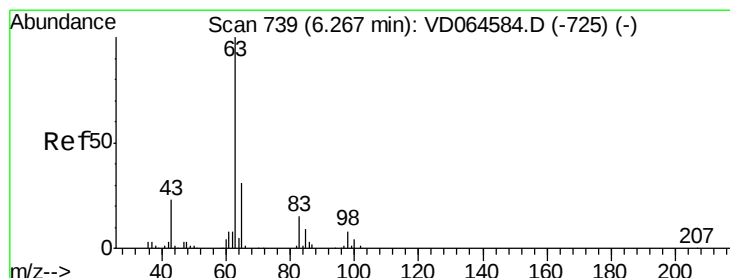
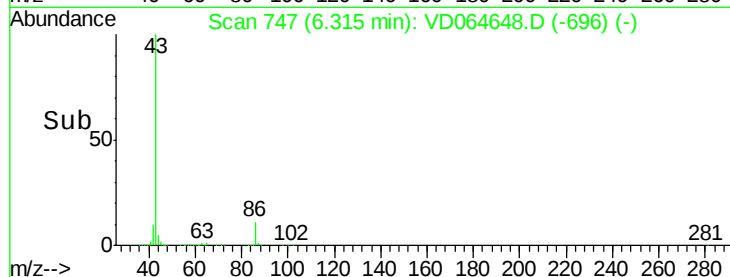
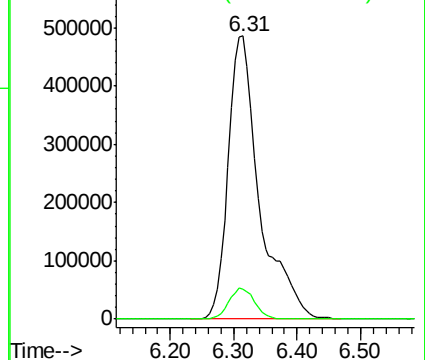
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.690 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

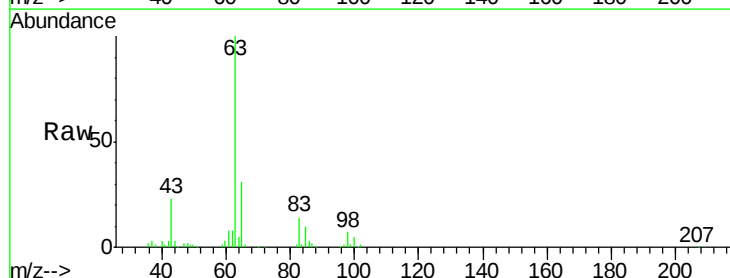
Tgt Ion: 63 Resp: 338787

Ion Ratio Lower Upper

63 100

98 7.1 4.1 12.3

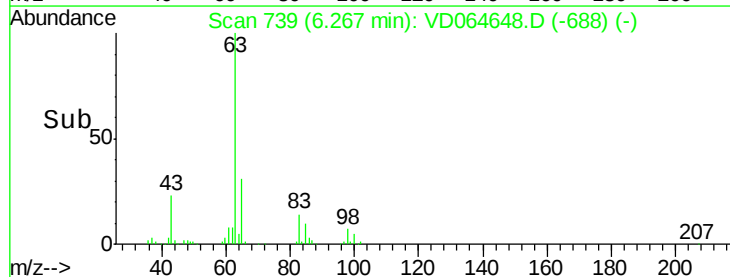
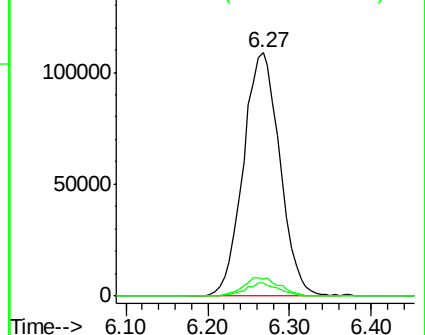
100 5.3 2.2 6.6

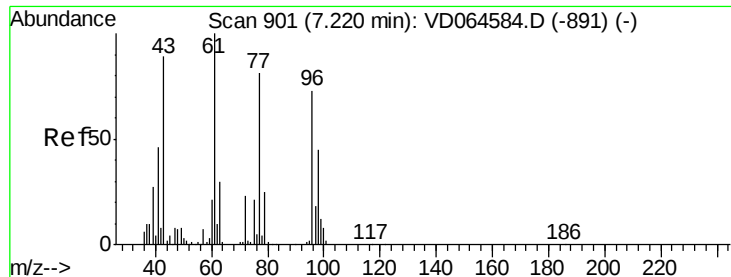


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 263.730 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

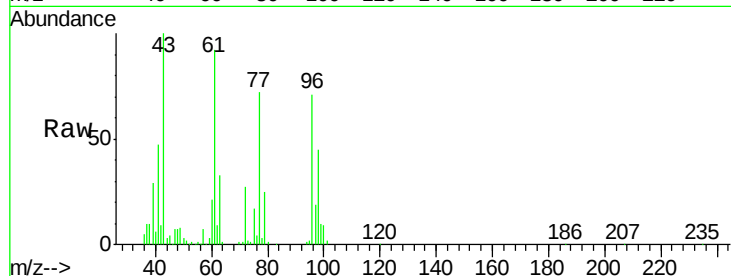
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 260111

Ion Ratio Lower Upper

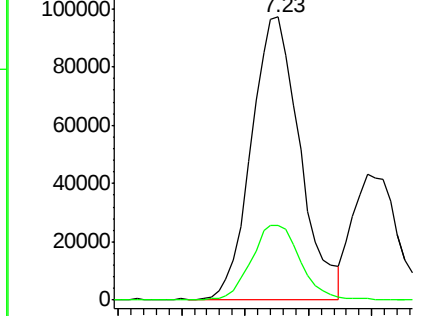
43 100

72 26.6 20.7 31.1

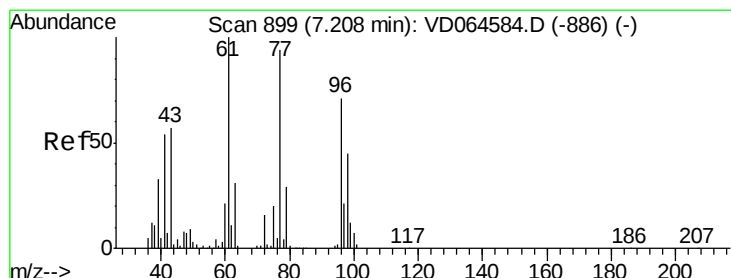
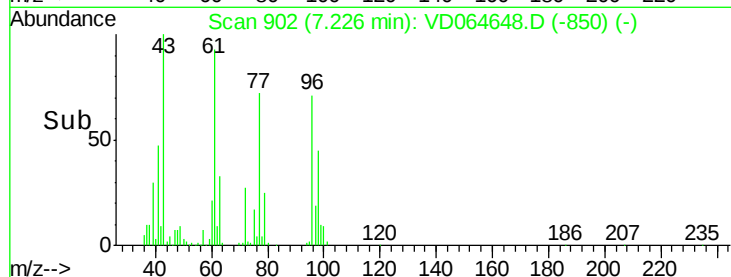


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 47.762 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064648.D

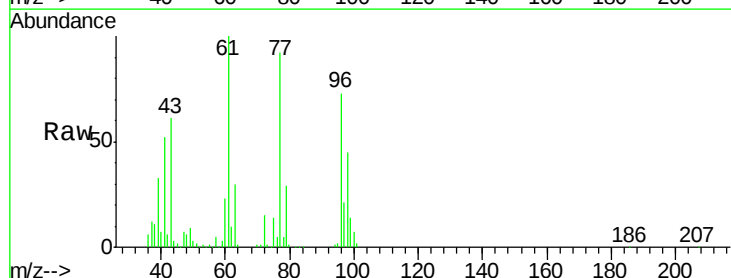
Acq: 27 Dec 2019 16:48

Tgt Ion: 77 Resp: 296790

Ion Ratio Lower Upper

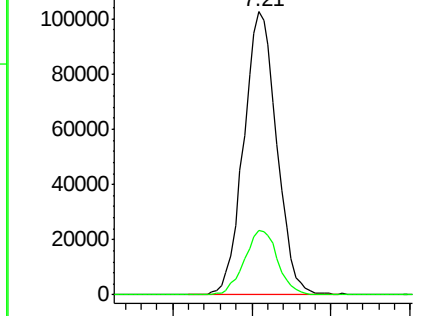
77 100

97 23.0 11.2 33.6

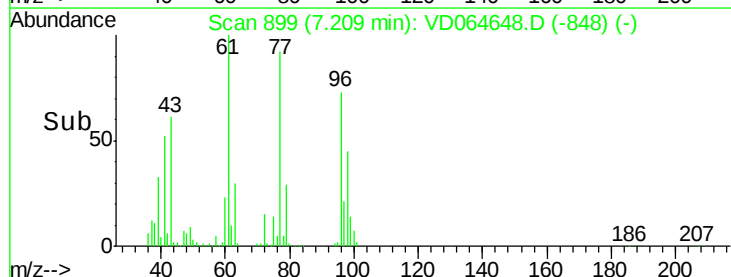


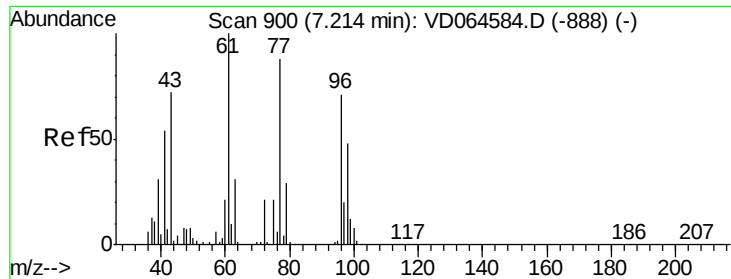
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->

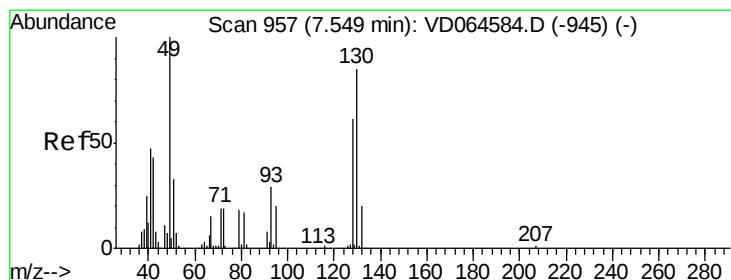
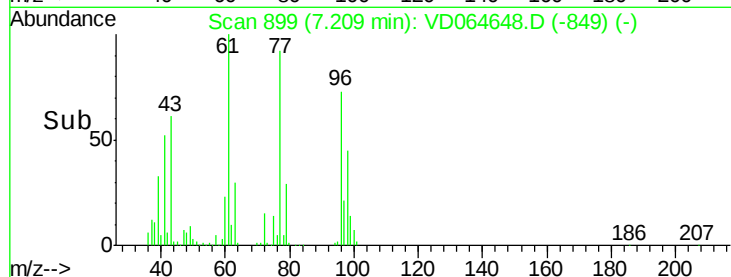
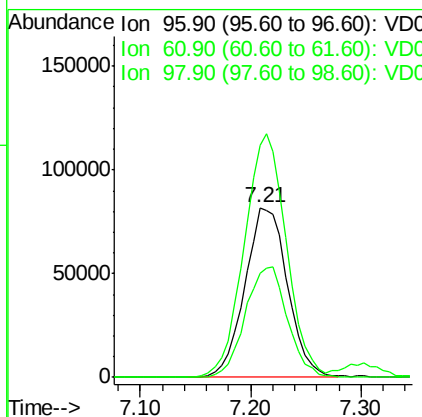
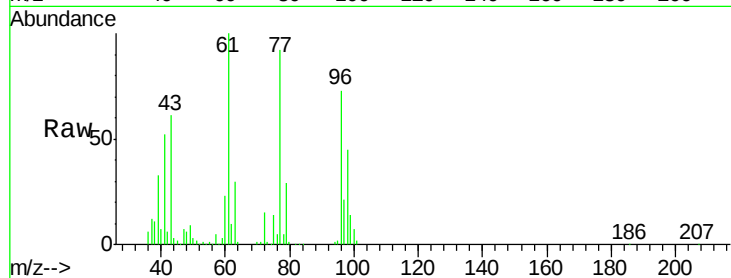




#27
 cis-1,2-Dichloroethene
 Concen: 50.328 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

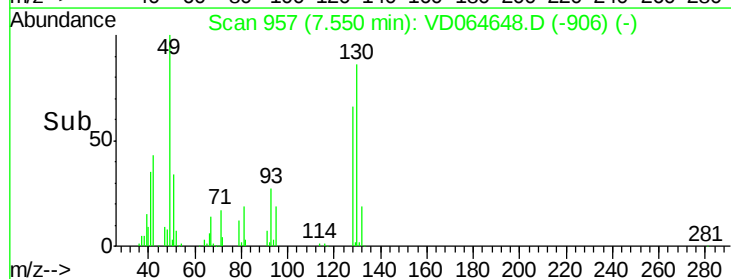
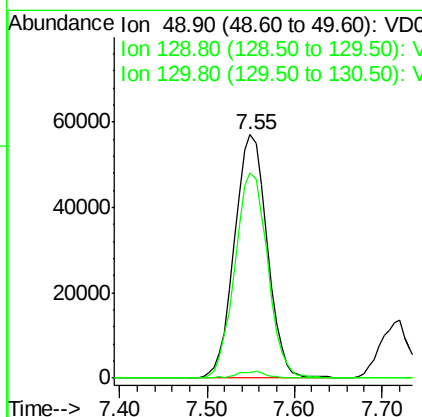
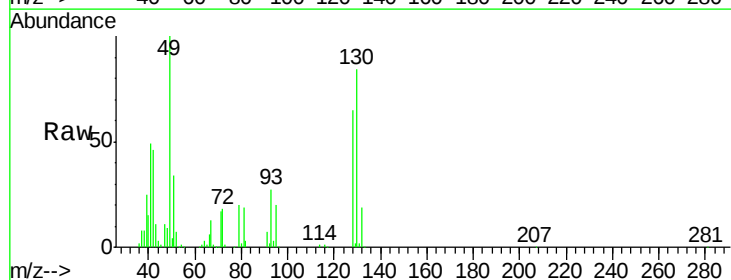
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

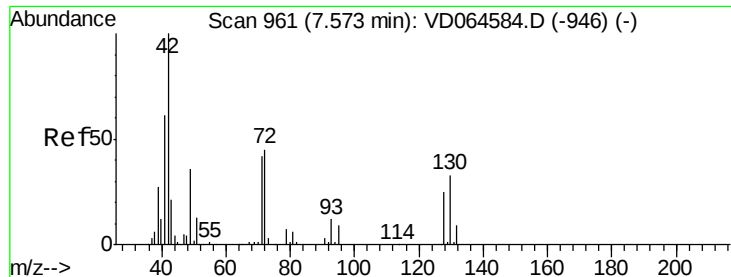
Tgt Ion: 96 Resp: 221446
 Ion Ratio Lower Upper
 96 100
 61 141.5 0.0 282.6
 98 64.4 0.0 130.8



#28
 Bromochloromethane
 Concen: 55.775 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 49 Resp: 144907
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 84.2 65.0 97.6

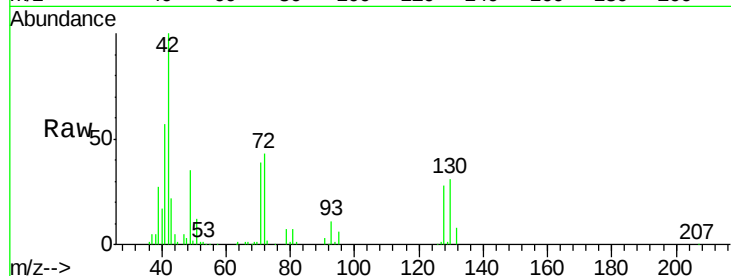




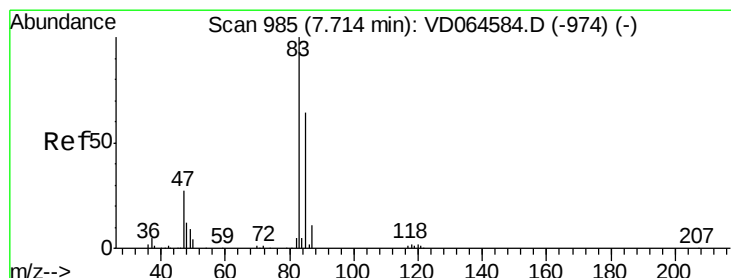
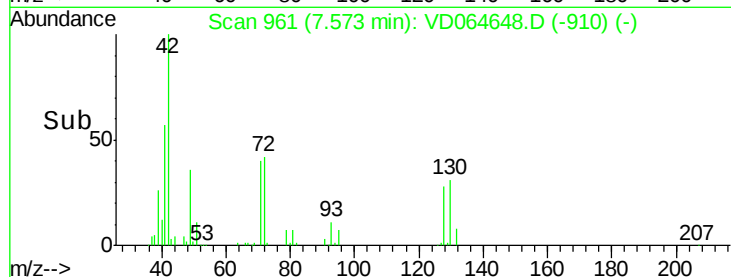
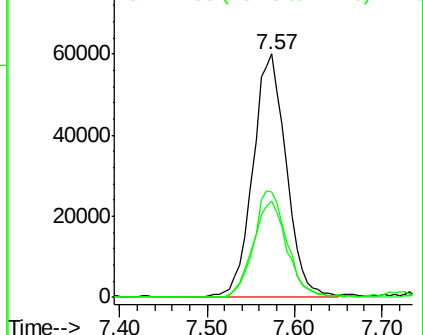
#29
Tetrahydrofuran
Concen: 256.498 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

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

Tgt Ion: 42 Resp: 157321
Ion Ratio Lower Upper
42 100
72 43.7 35.0 52.4
71 40.0 32.9 49.3

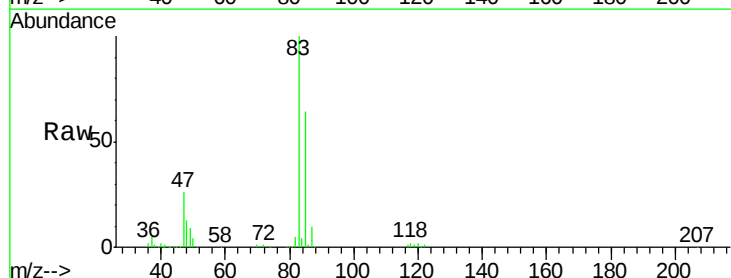


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

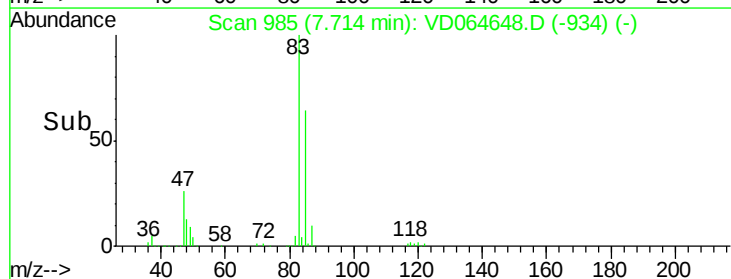
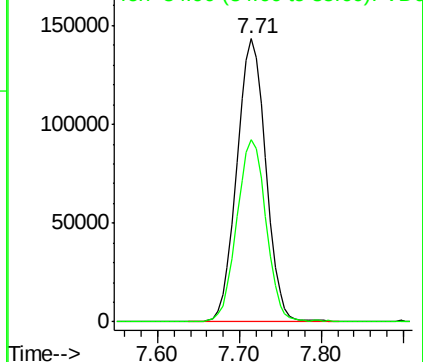


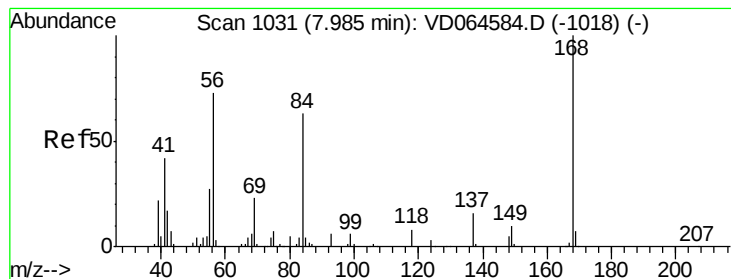
#30
Chloroform
Concen: 50.622 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 83 Resp: 354964
Ion Ratio Lower Upper
83 100
85 64.4 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: 44.726 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

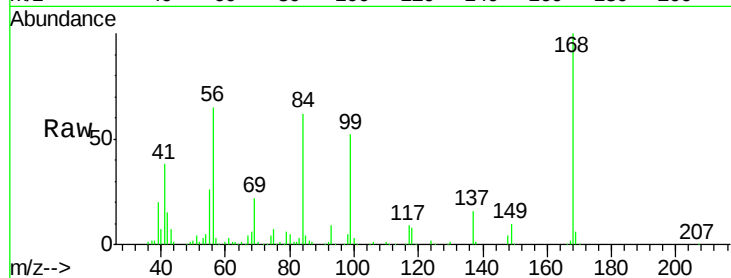
Tgt Ion: 56 Resp: 299225

Ion Ratio Lower Upper

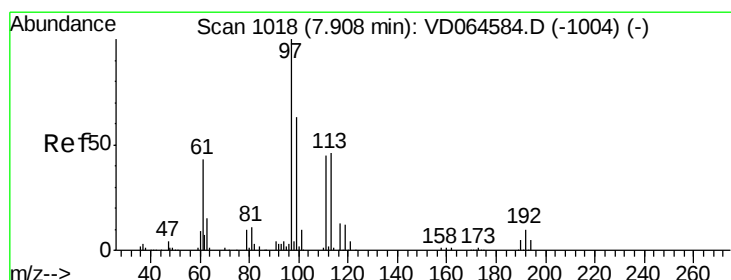
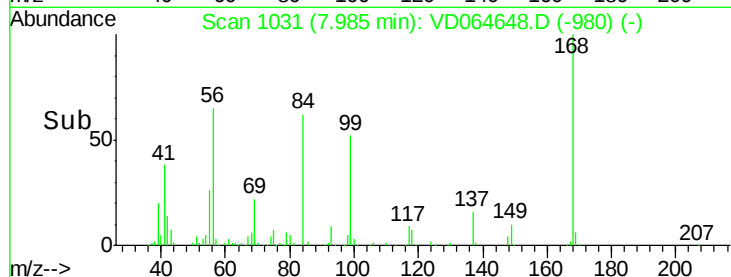
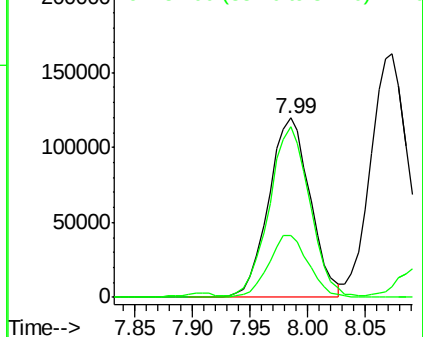
56 100

69 34.4 24.7 37.1

84 94.0 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: 49.369 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

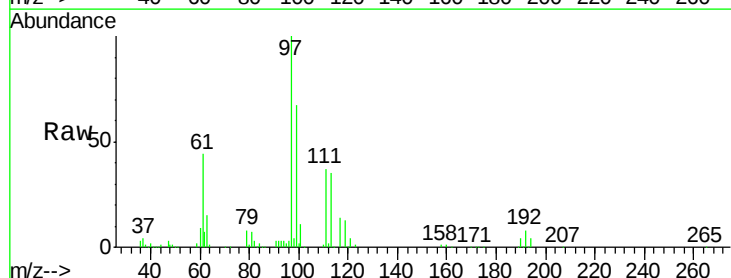
Tgt Ion: 97 Resp: 325152

Ion Ratio Lower Upper

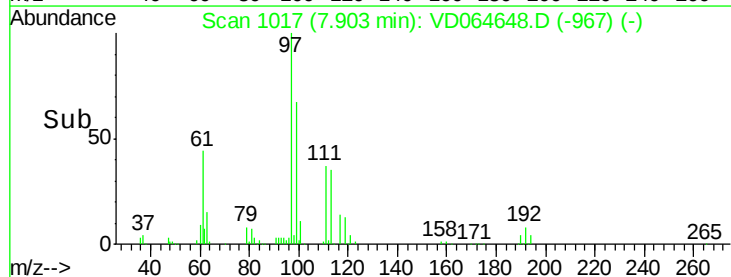
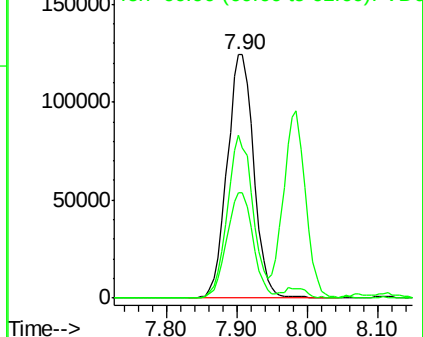
97 100

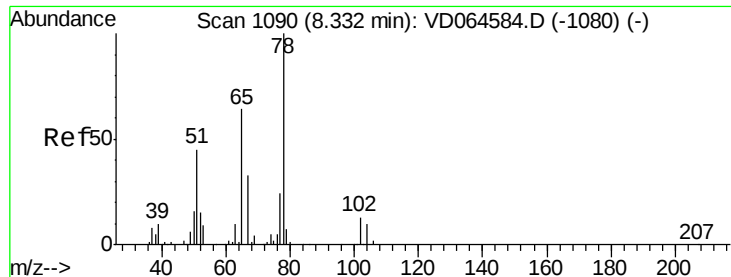
99 64.1 51.0 76.6

61 43.1 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: 51.315 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

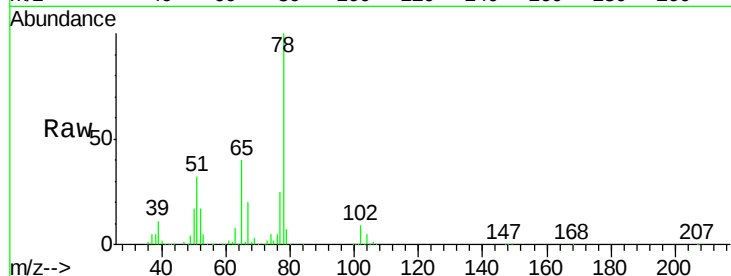
SB-2-(4-5)MSD

Tgt Ion: 65 Resp: 184124

Ion Ratio Lower Upper

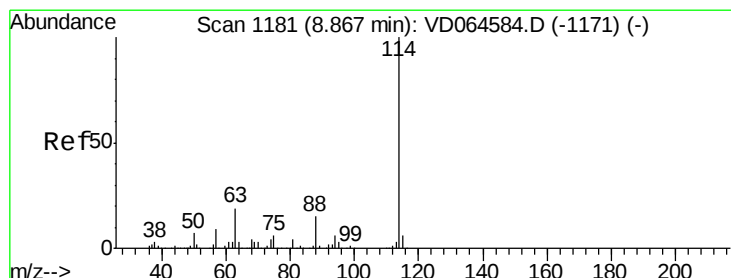
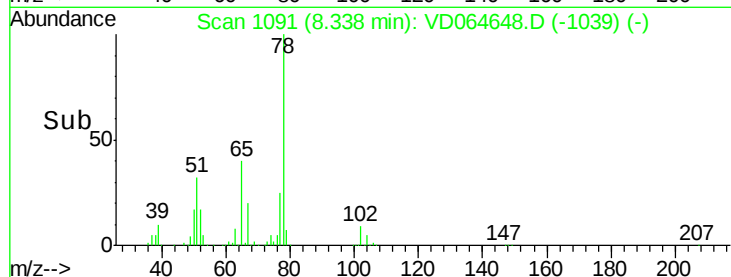
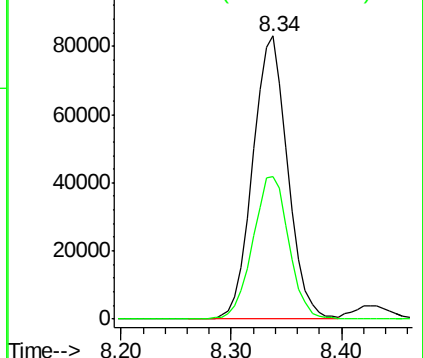
65 100

67 52.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

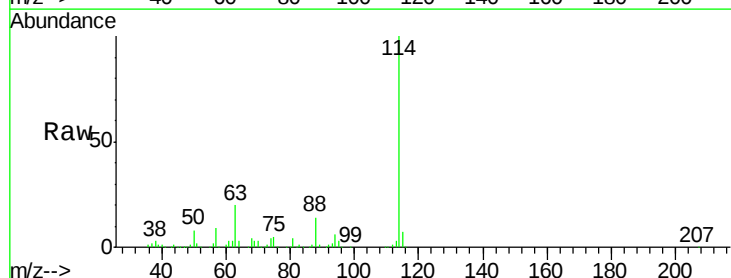
Tgt Ion: 114 Resp: 589089

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

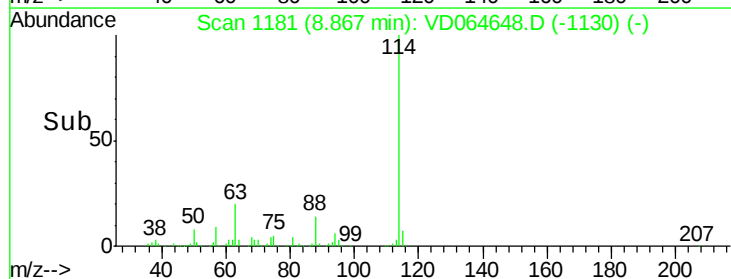
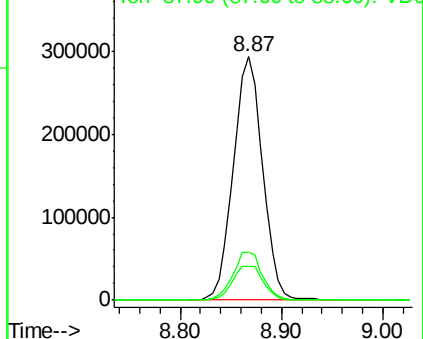
88 13.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

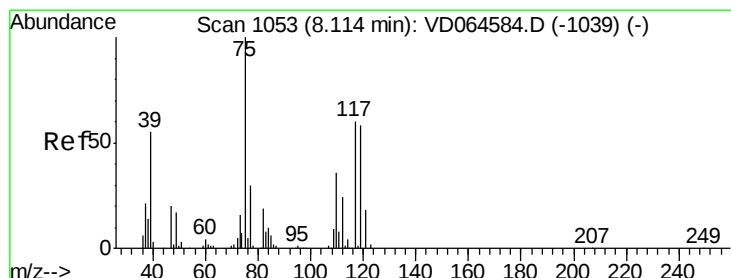
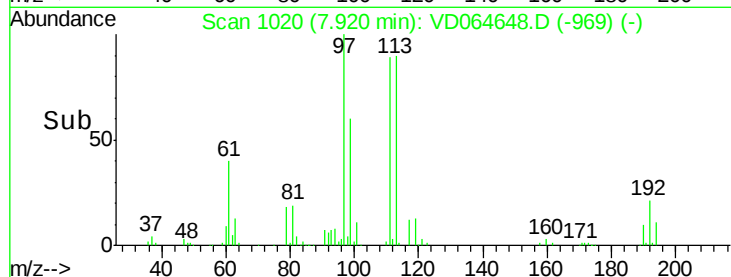
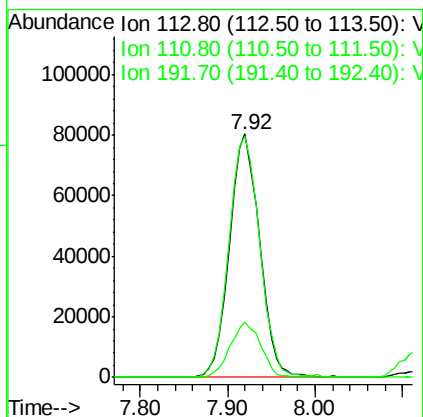
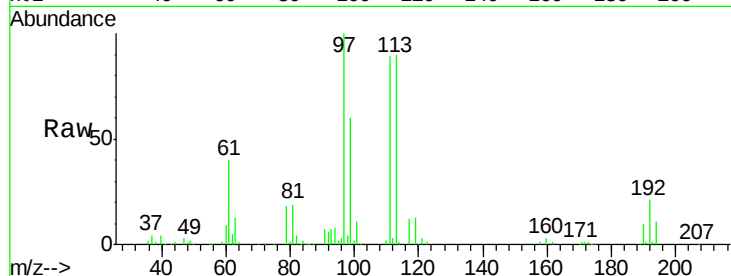




#35
 Dibromofluoromethane
 Concen: 52.090 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

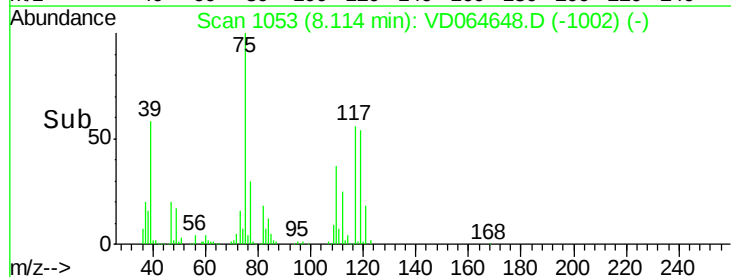
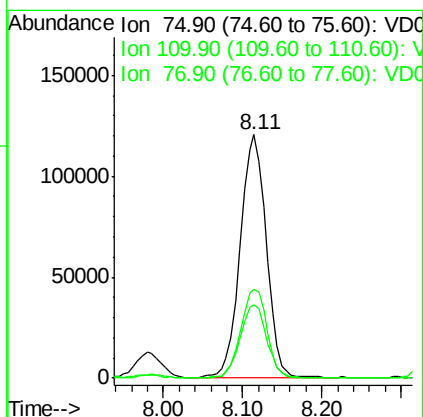
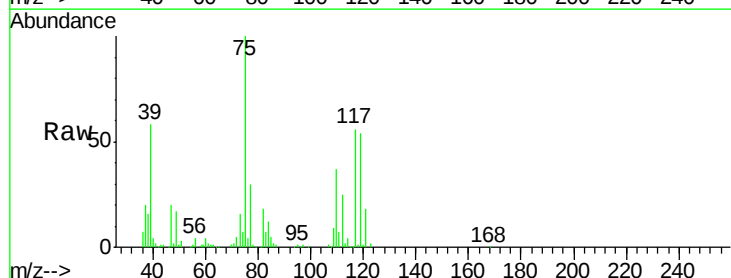
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

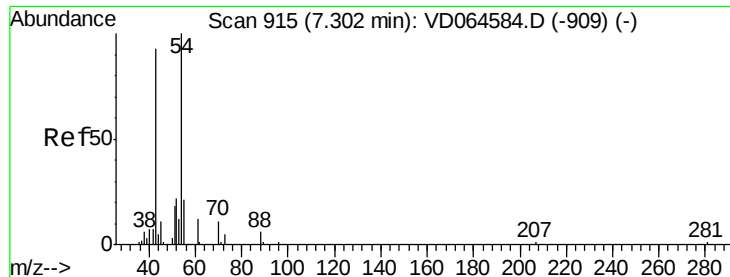
Tgt Ion:113 Resp: 188261
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.6 121.0
 192 23.1 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 48.789 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 75 Resp: 276633
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.1
 77 30.7 24.2 36.4

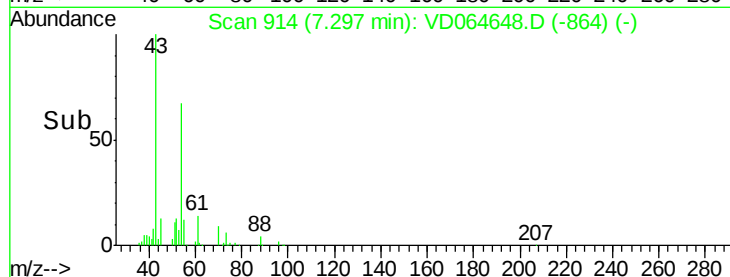
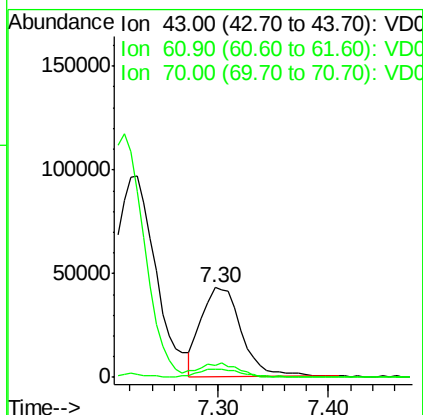
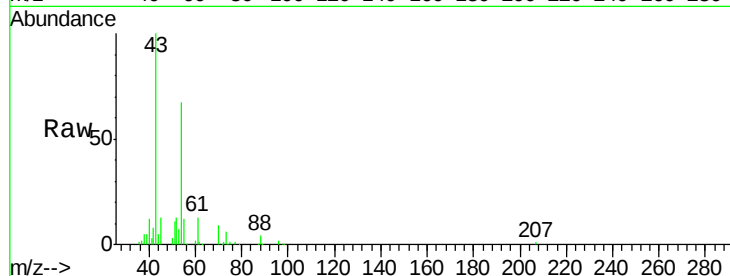




#37
Ethyl Acetate
Concen: 48.650 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

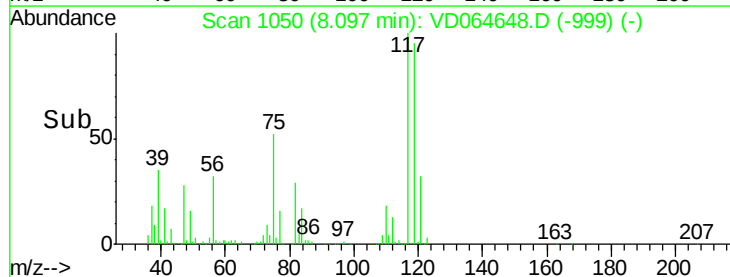
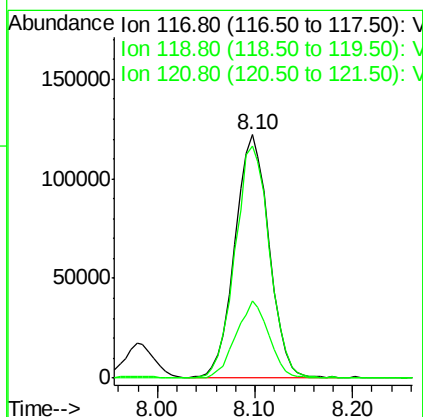
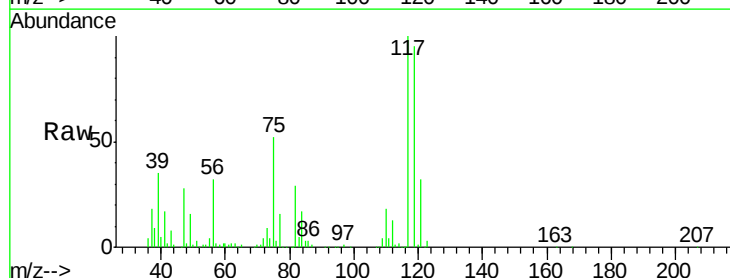
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

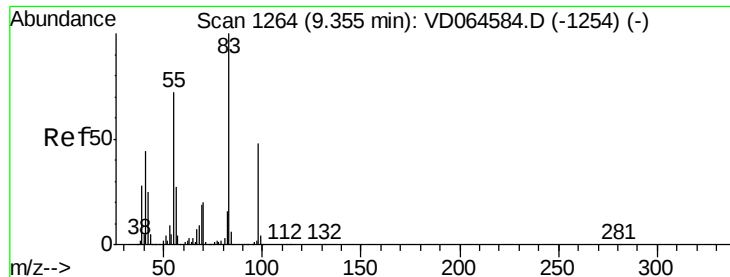
Tgt Ion: 43 Resp: 108366
Ion Ratio Lower Upper
43 100
61 15.9 10.3 15.5#
70 10.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.085 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 117 Resp: 296761
Ion Ratio Lower Upper
117 100
119 95.6 77.3 115.9
121 32.0 25.0 37.6

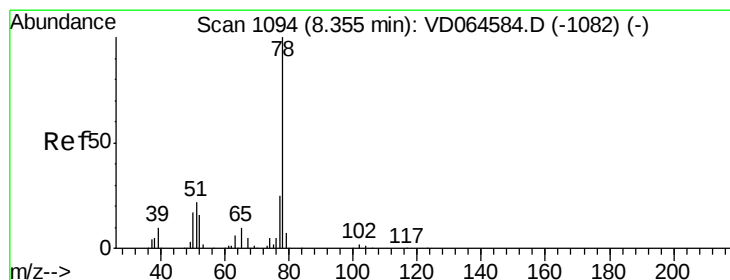
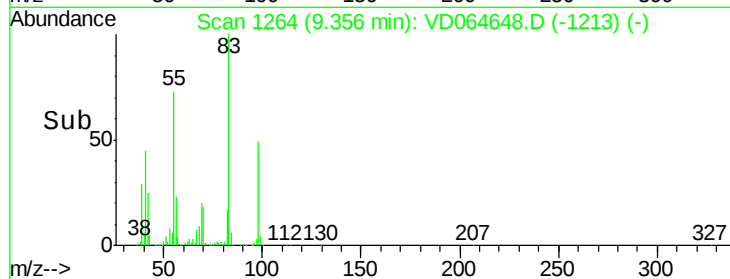
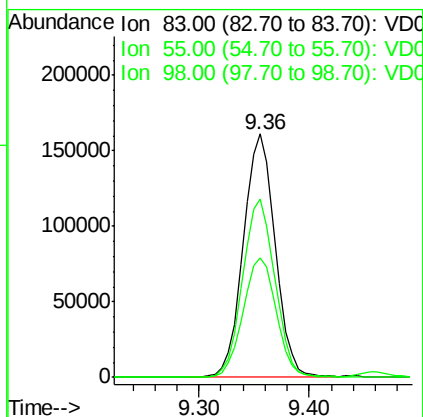
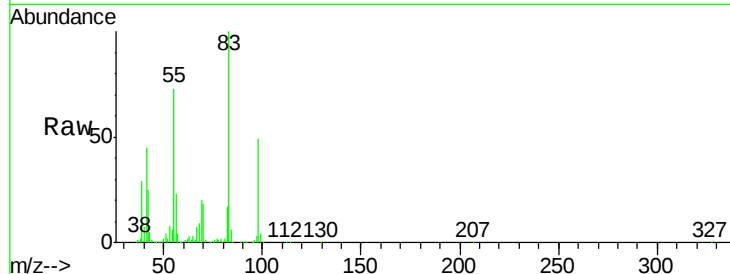




#39
Methylcyclohexane
Concen: 47.768 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

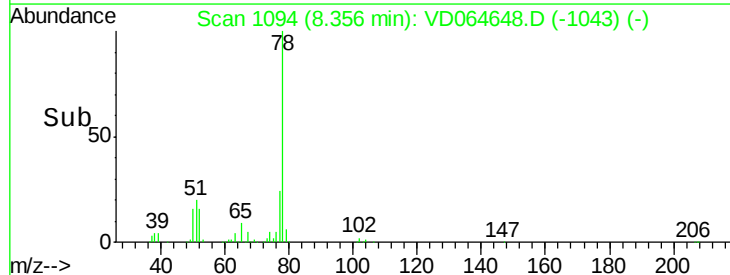
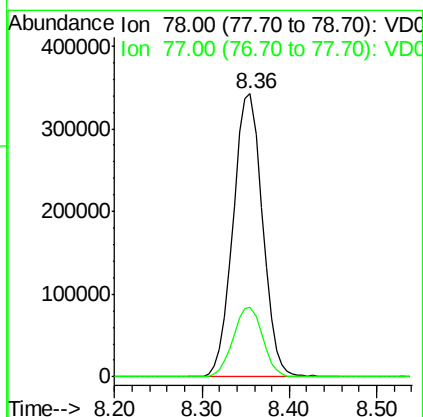
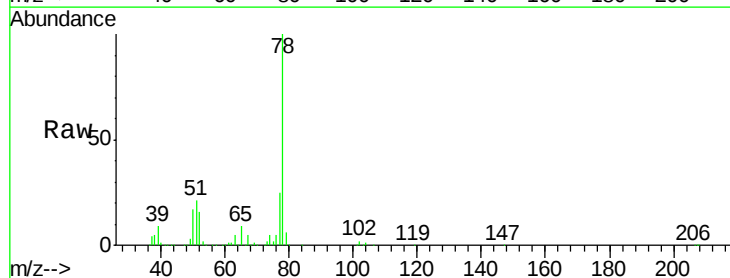
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

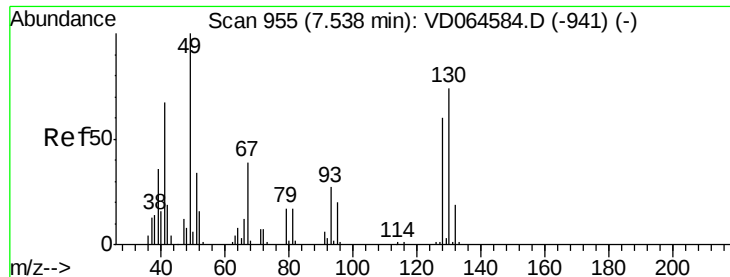
Tgt Ion: 83 Resp: 328040
Ion Ratio Lower Upper
83 100
55 73.1 57.8 86.6
98 49.0 38.7 58.1



#40
Benzene
Concen: 50.333 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 78 Resp: 779068
Ion Ratio Lower Upper
78 100
77 24.5 19.9 29.9





#41

Methacrylonitrile

Concen: 49.814 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

Tgt Ion: 41 Resp: 64378

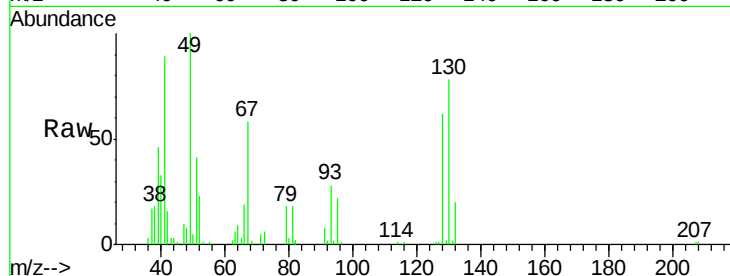
Ion Ratio Lower Upper

41 100

39 62.3 46.7 70.1

67 72.8 52.5 78.7

52 33.3 24.1 36.1

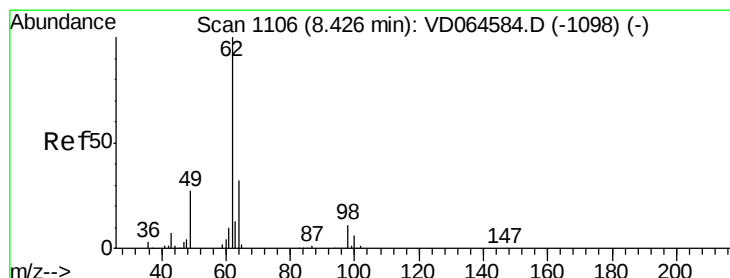
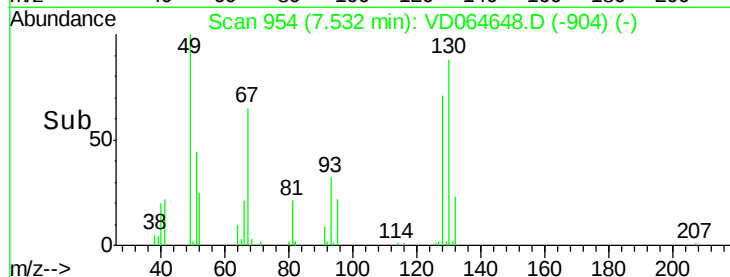
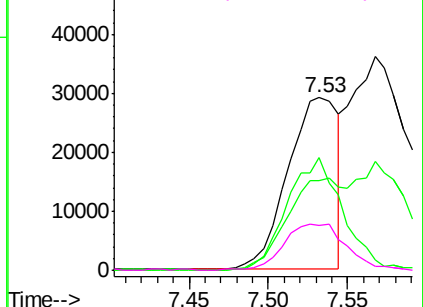


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 51.092 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064648.D

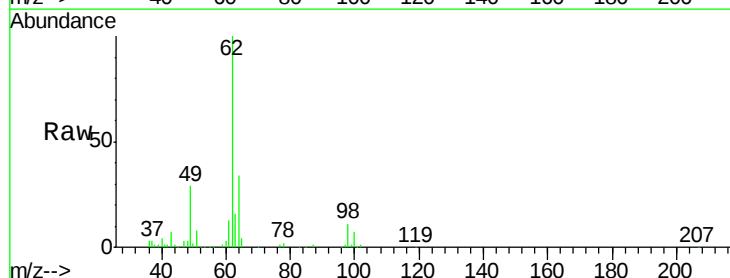
Acq: 27 Dec 2019 16:48

Tgt Ion: 62 Resp: 228526

Ion Ratio Lower Upper

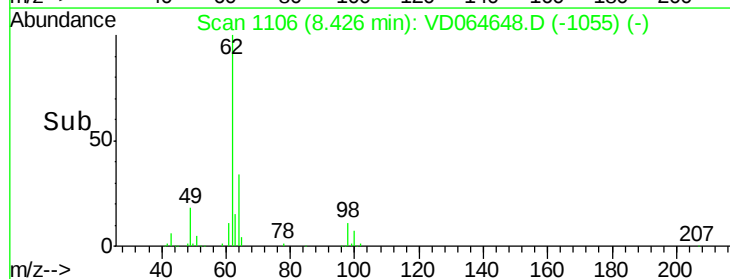
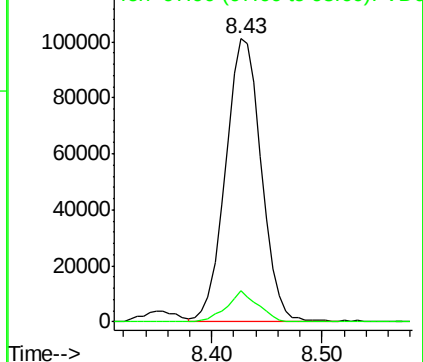
62 100

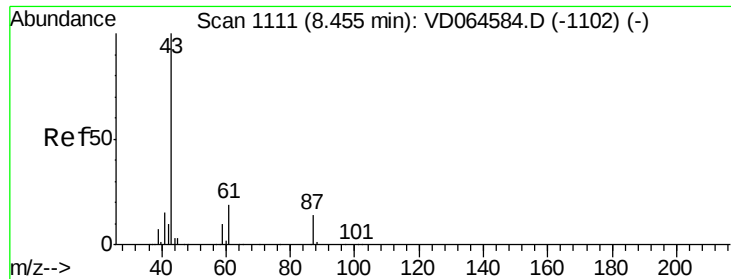
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

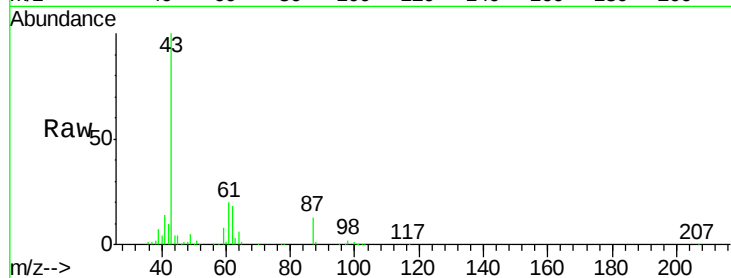




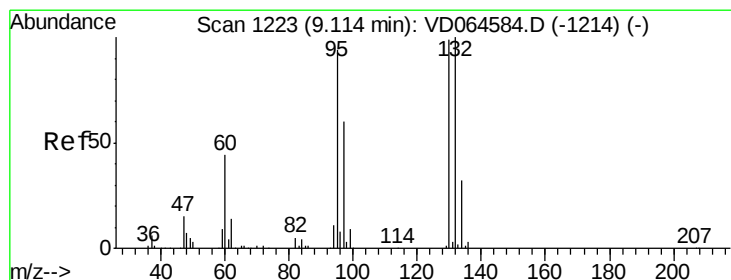
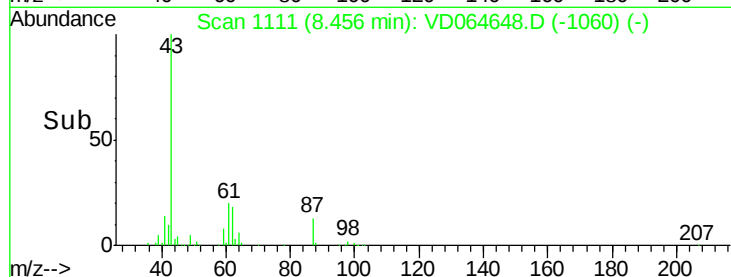
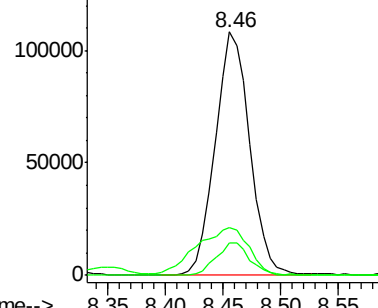
#43
Isopropyl Acetate
Concen: 50.936 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

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

Tgt Ion: 43 Resp: 225827
Ion Ratio Lower Upper
43 100
61 29.9 23.7 35.5
87 13.1 10.5 15.7

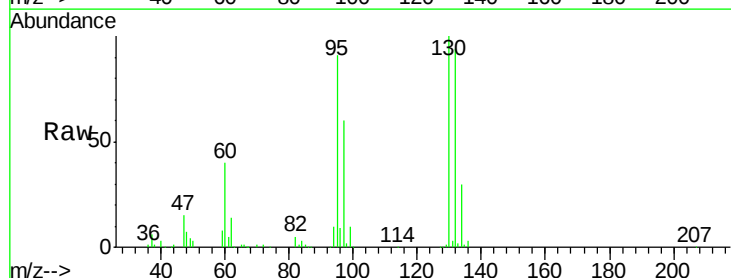


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

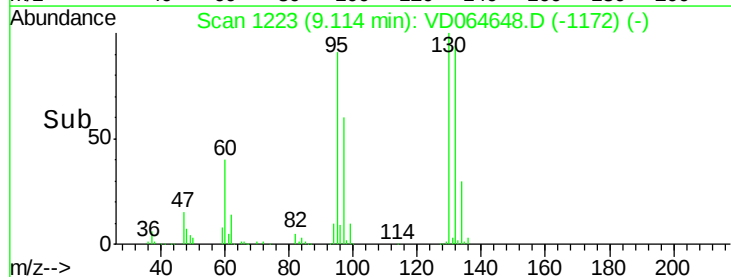
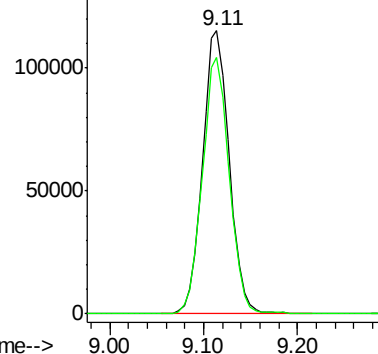


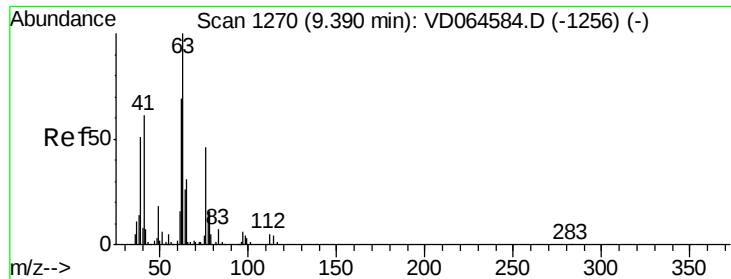
#44
Trichloroethene
Concen: 49.918 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 130 Resp: 226979
Ion Ratio Lower Upper
130 100
95 90.8 0.0 190.2



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

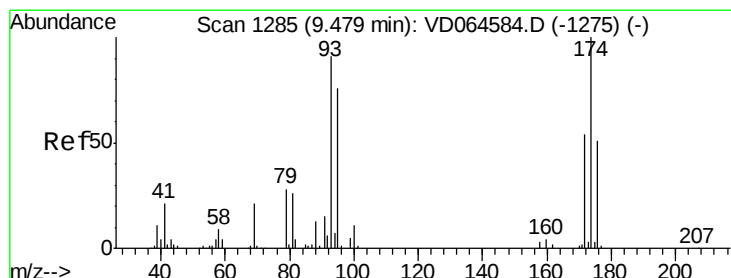
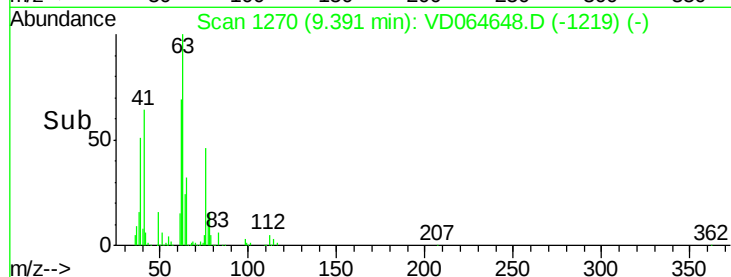
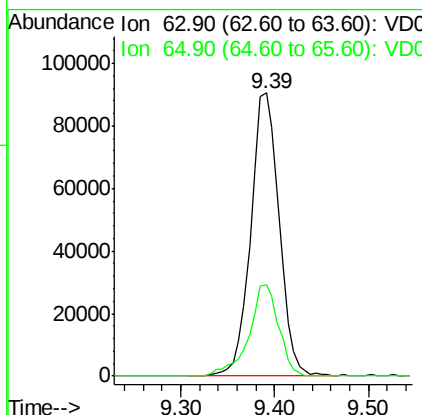
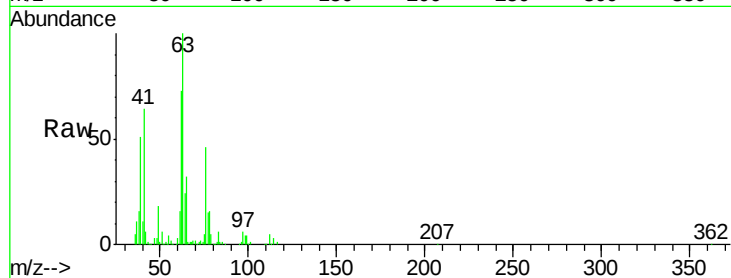




#45
 1,2-Dichloropropane
 Concen: 51.358 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

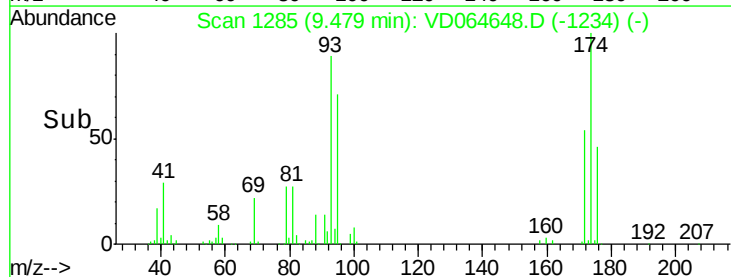
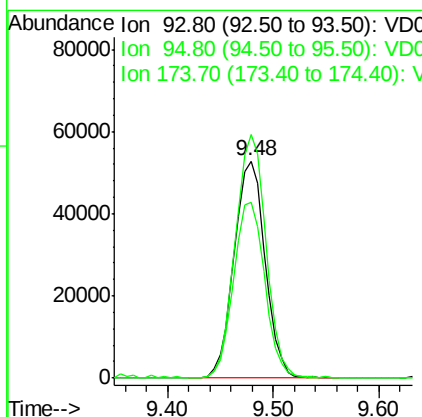
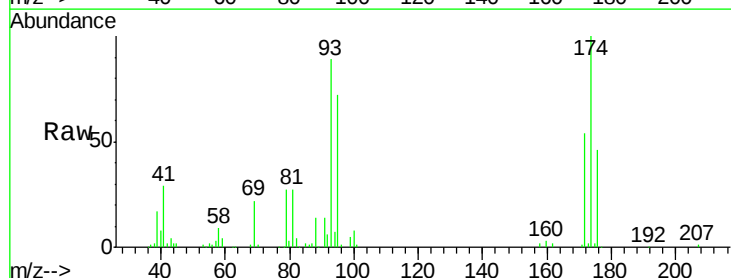
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

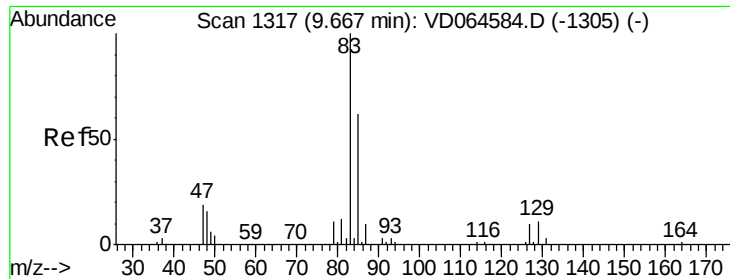
Tgt Ion: 63 Resp: 189801
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.2 37.8



#46
 Dibromomethane
 Concen: 52.311 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 93 Resp: 107785
 Ion Ratio Lower Upper
 93 100
 95 81.2 64.6 97.0
 174 110.8 88.1 132.1





#47

Bromodichloromethane

Concen: 50.512 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

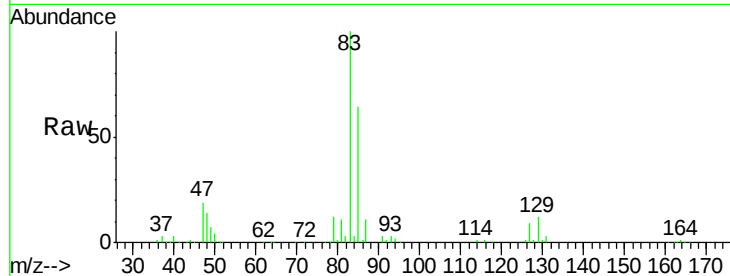
Tgt Ion: 83 Resp: 276949

Ion Ratio Lower Upper

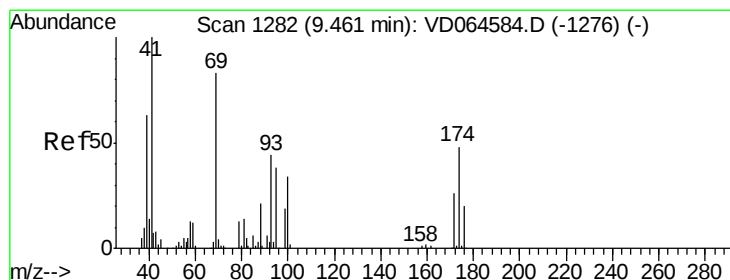
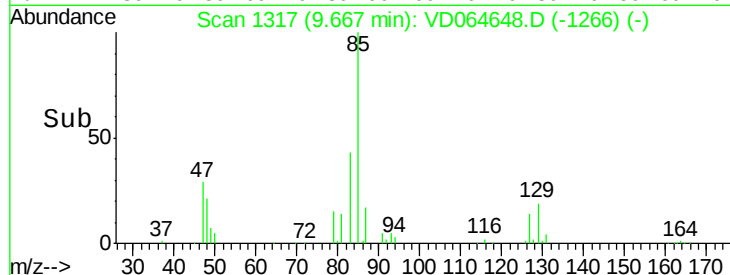
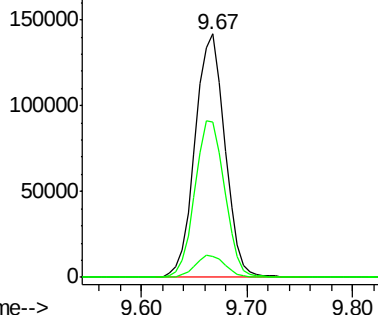
83 100

85 63.9 49.5 74.3

127 8.7 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: 48.965 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

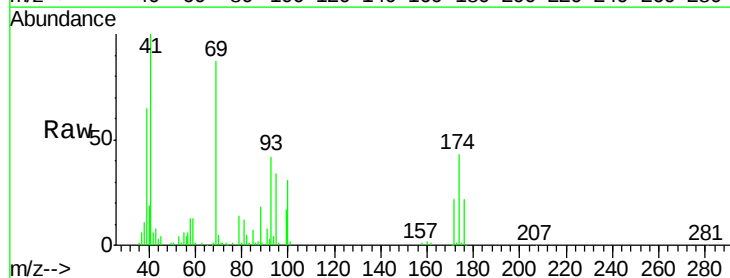
Tgt Ion: 41 Resp: 102218

Ion Ratio Lower Upper

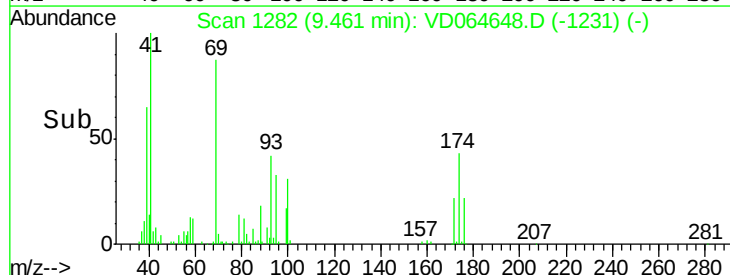
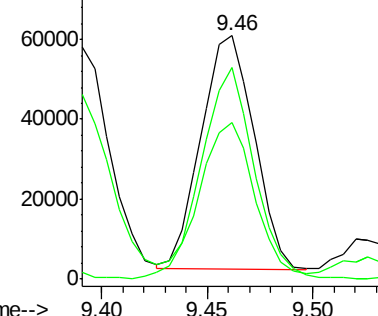
41 100

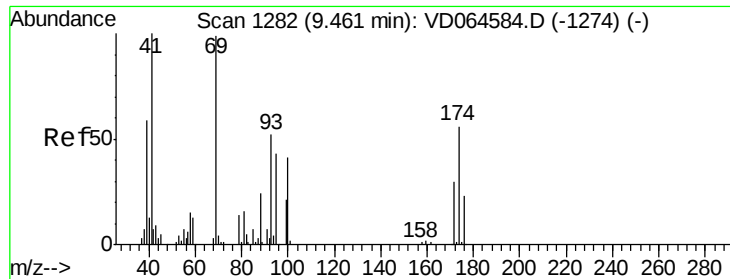
69 89.4 63.0 94.6

39 64.7 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

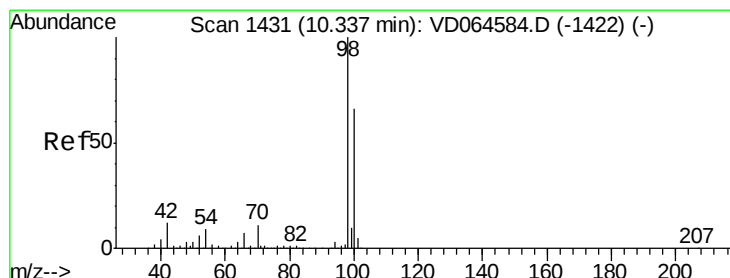
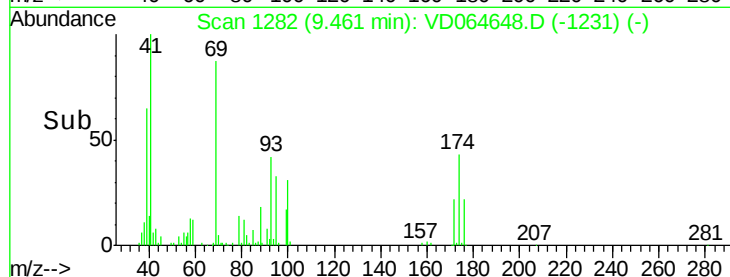
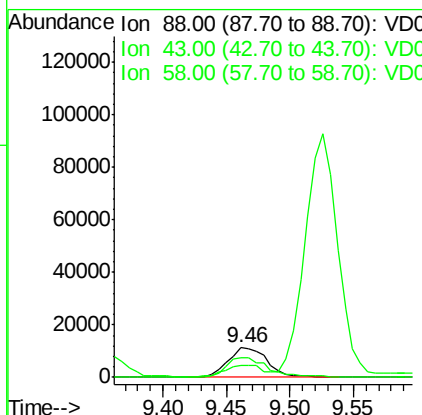
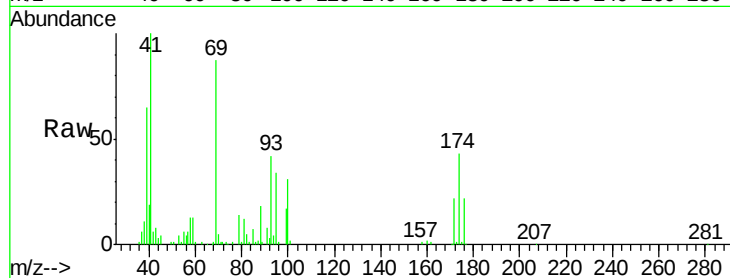




#49
1,4-Dioxane
Concen: 1038.743 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

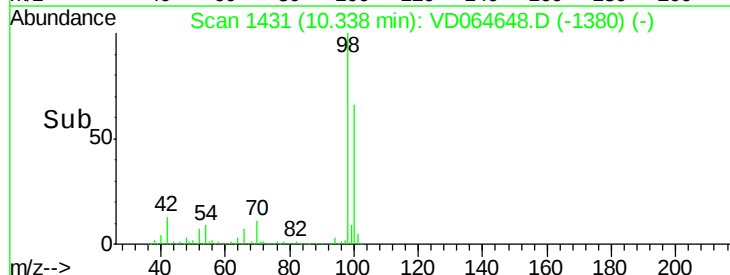
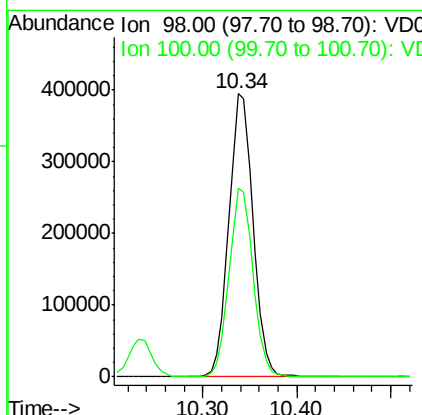
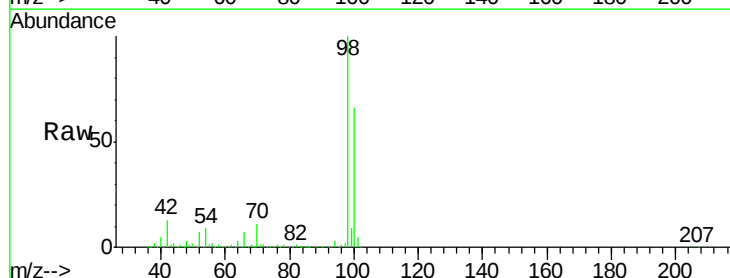
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

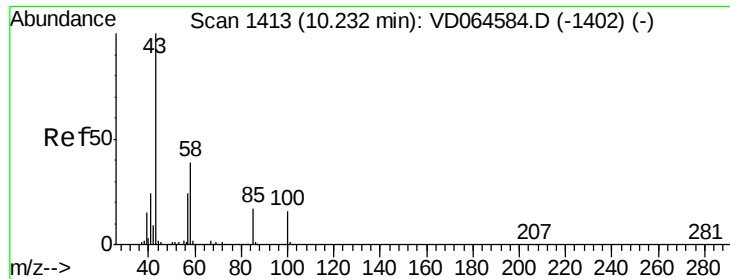
Tgt Ion: 88 Resp: 24679
Ion Ratio Lower Upper
88 100
43 40.3 27.7 41.5
58 68.4 53.8 80.6



#50
Toluene-d8
Concen: 51.202 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion: 98 Resp: 708737
Ion Ratio Lower Upper
98 100
100 65.9 51.7 77.5

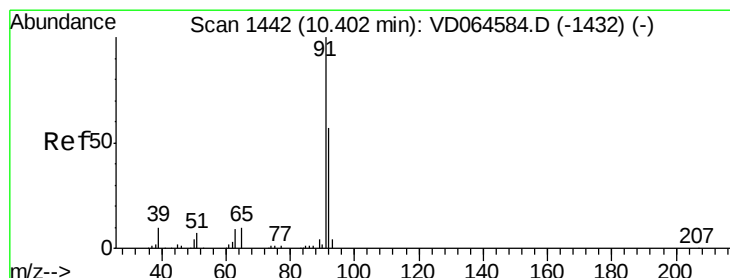
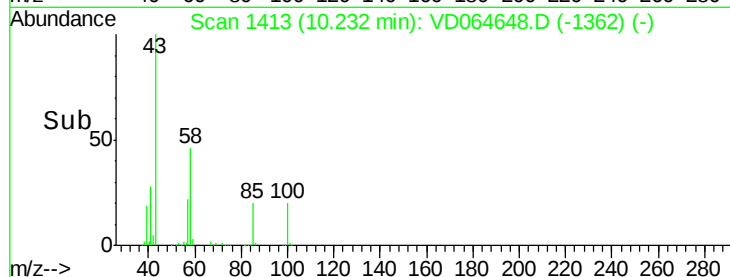
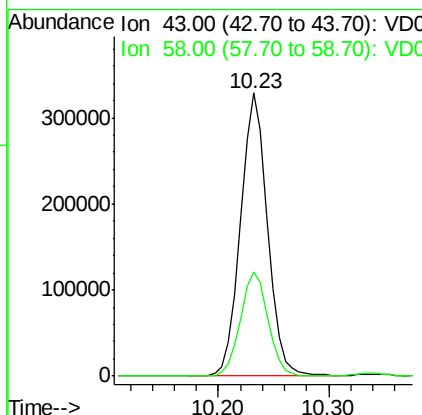
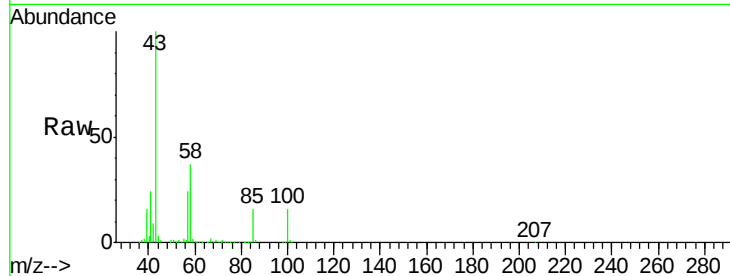




#51
 4-Methyl-2-Pentanone
 Concen: 258.739 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

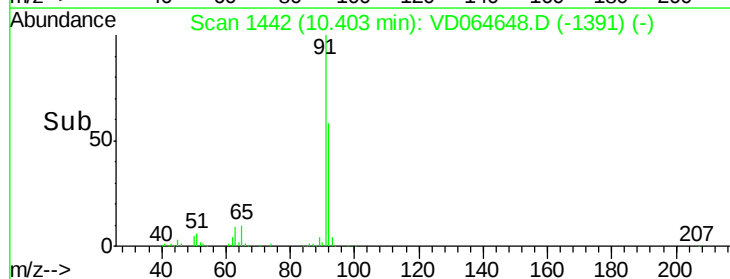
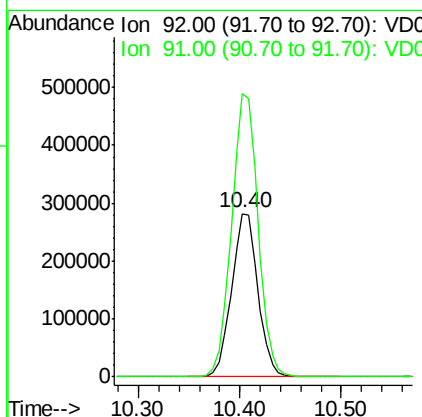
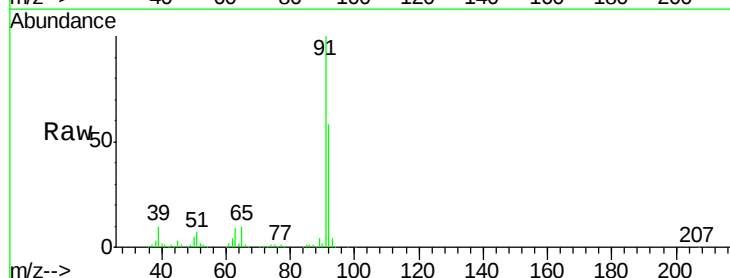
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

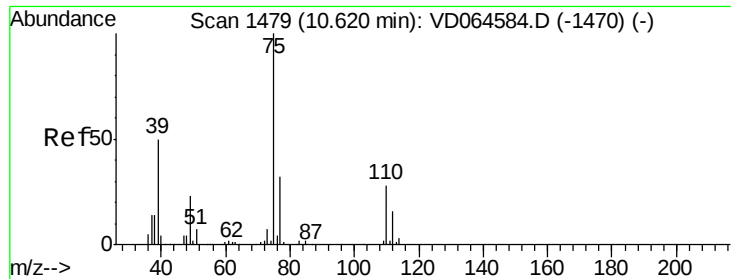
Tgt Ion: 43 Resp: 567004
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.2 45.2



#52
 Toluene
 Concen: 49.972 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 92 Resp: 507469
 Ion Ratio Lower Upper
 92 100
 91 174.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 51.082 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

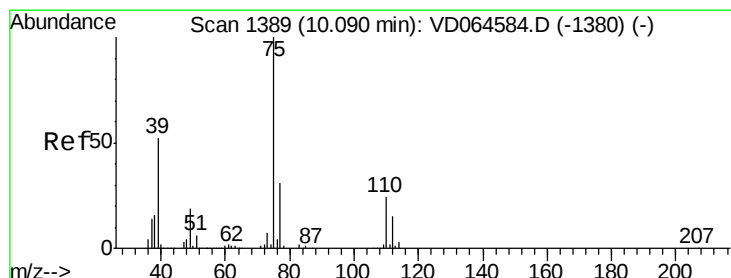
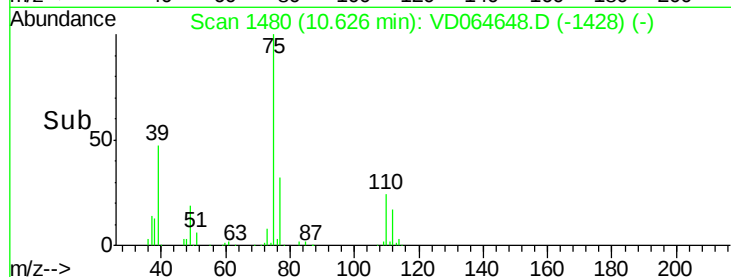
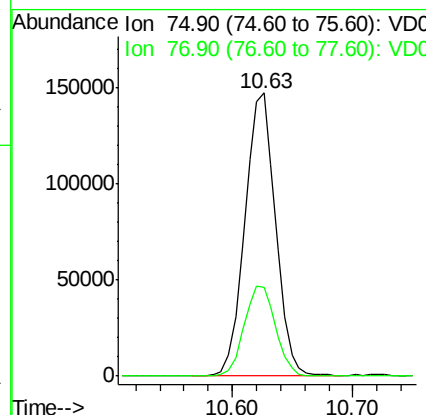
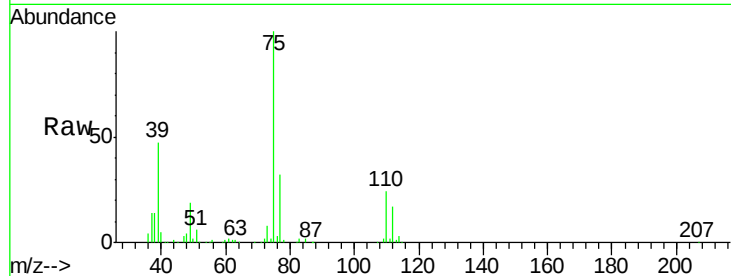
SB-2-(4-5)MSD

Tgt Ion: 75 Resp: 261120

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 51.370 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

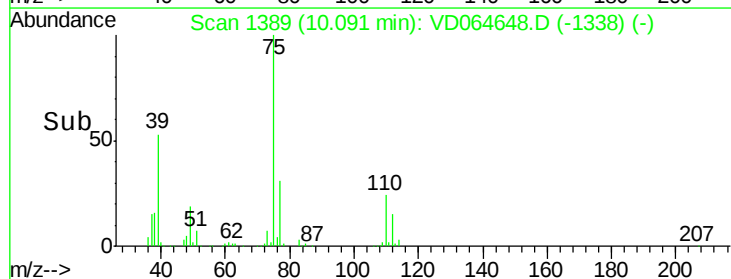
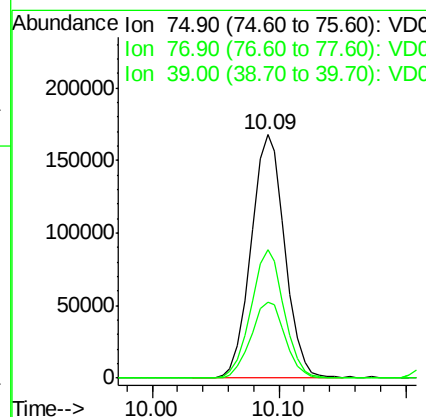
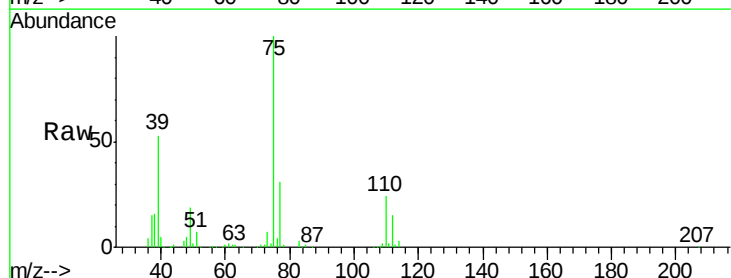
Tgt Ion: 75 Resp: 309631

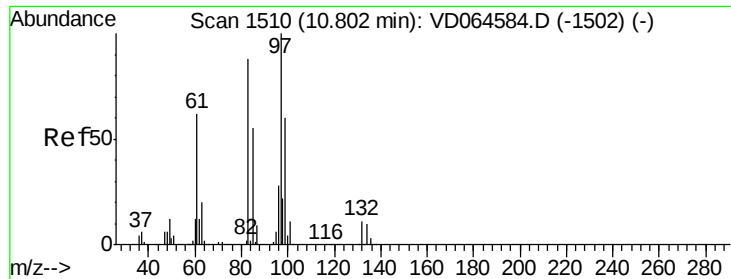
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 52.6 41.4 62.2

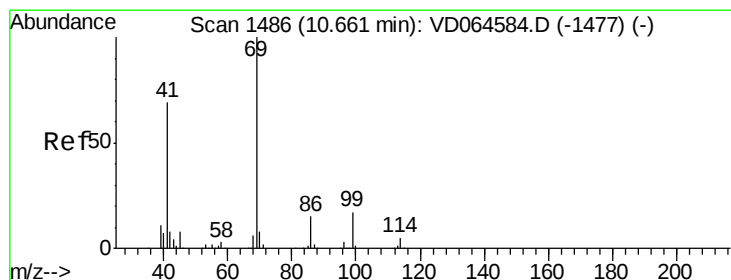
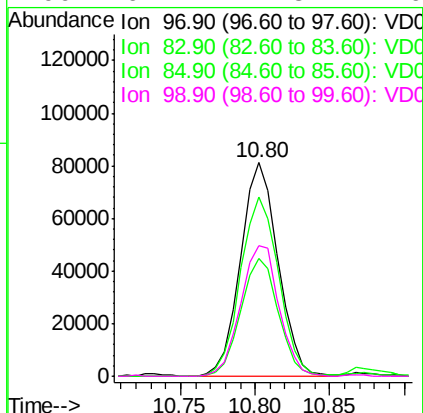
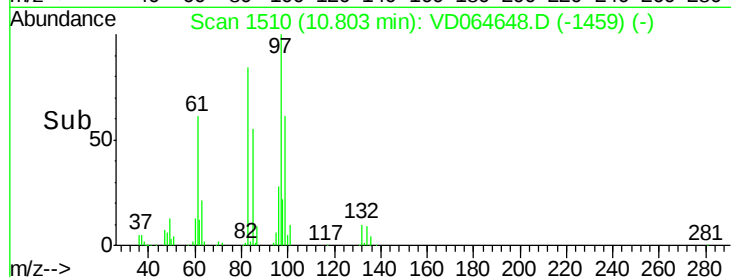
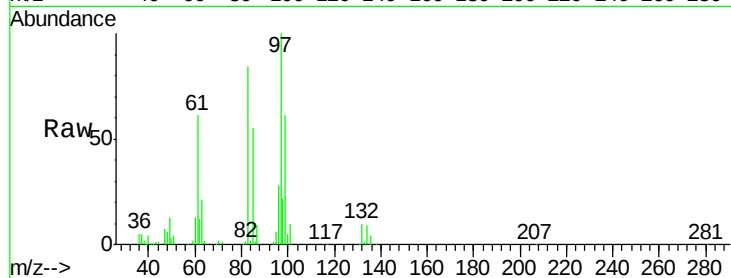




#55
 1,1,2-Trichloroethane
 Concen: 51.043 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

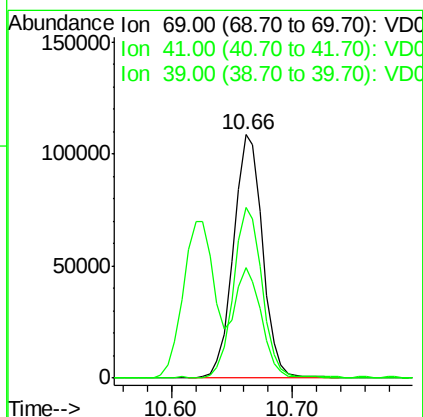
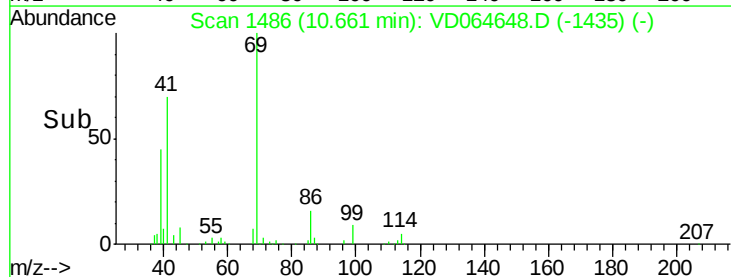
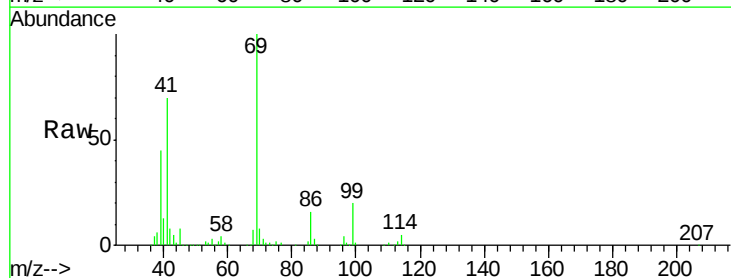
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

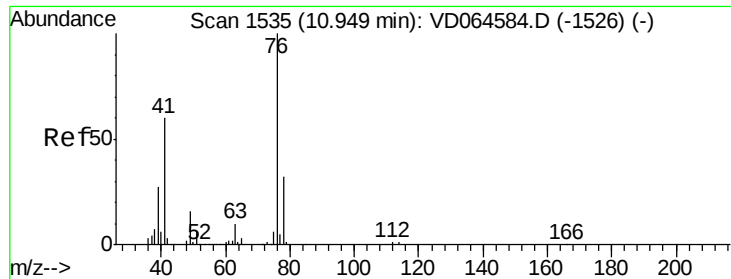
Tgt Ion: 97 Resp: 141736
 Ion Ratio Lower Upper
 97 100
 83 83.9 70.2 105.4
 85 55.1 44.0 66.0
 99 61.4 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 52.715 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 69 Resp: 182812
 Ion Ratio Lower Upper
 69 100
 41 68.6 55.3 82.9
 39 41.1 33.8 50.8

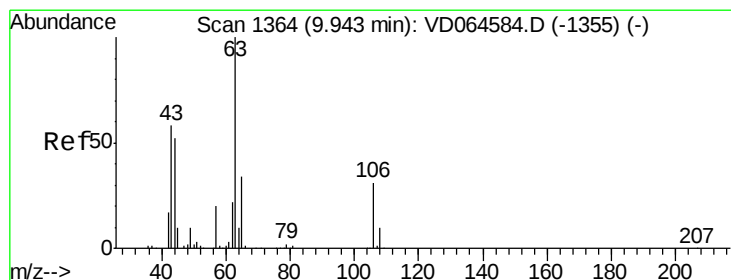
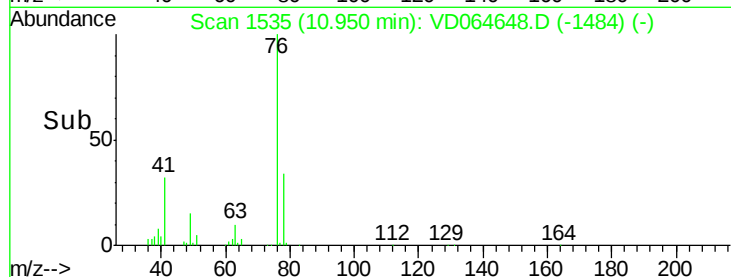
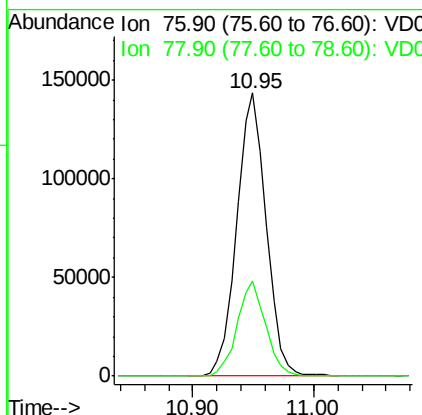
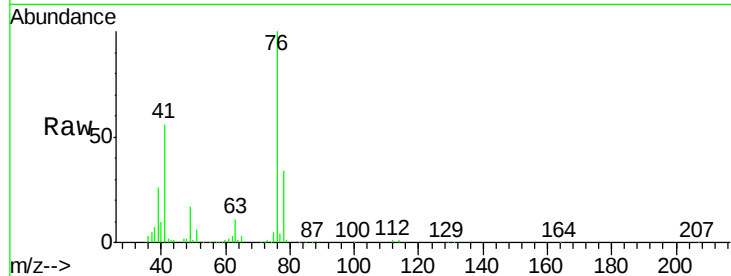




#57
 1,3-Dichloropropane
 Concen: 50.996 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

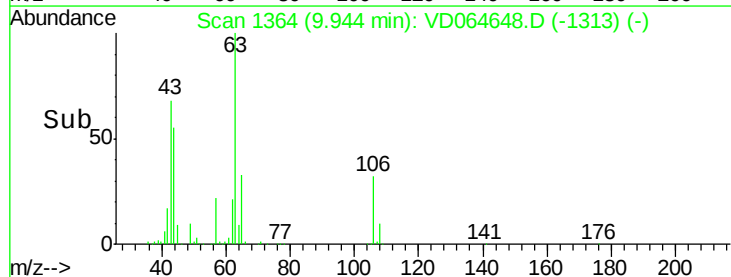
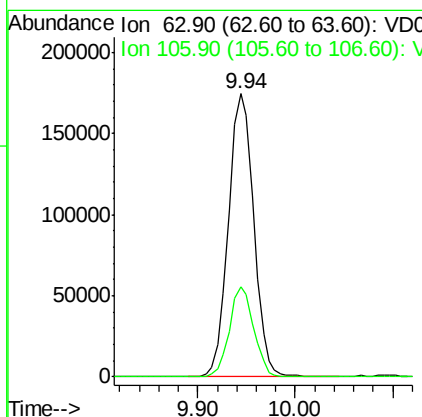
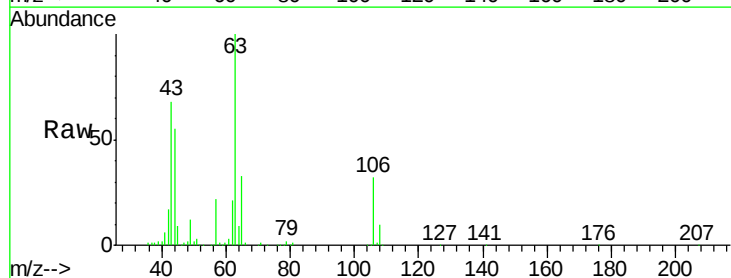
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

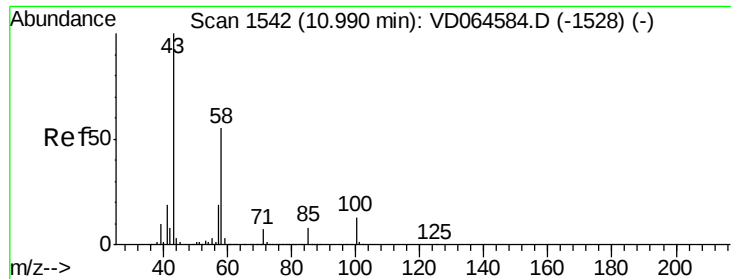
Tgt Ion: 76 Resp: 243819
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.121 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 63 Resp: 315936
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8





#59

2-Hexanone

Concen: 263.924 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

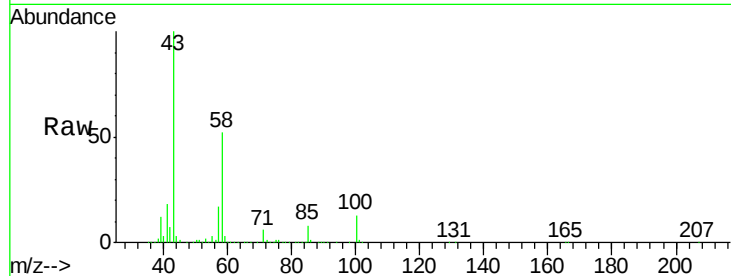
SB-2-(4-5)MSD

Tgt Ion: 43 Resp: 392549

Ion Ratio Lower Upper

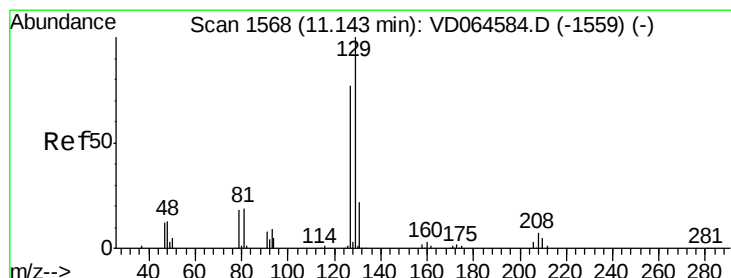
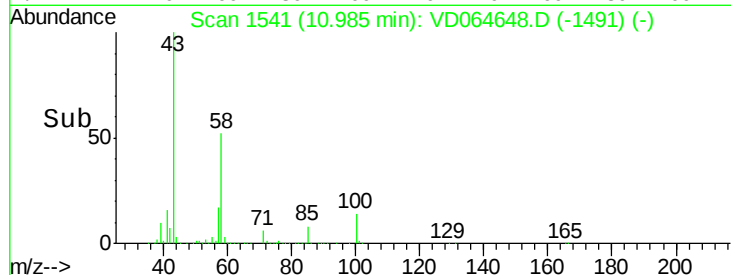
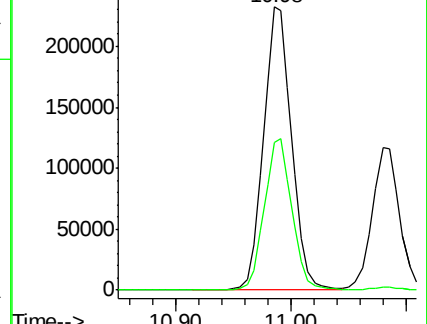
43 100

58 52.9 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 51.025 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064648.D

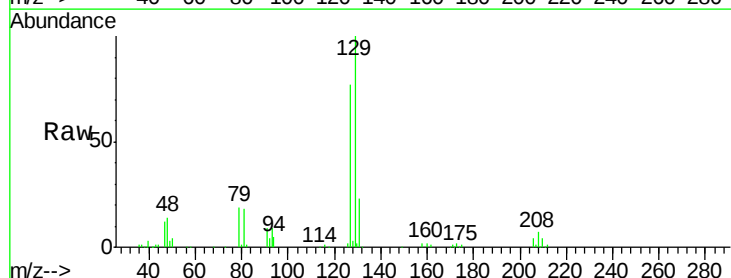
Acq: 27 Dec 2019 16:48

Tgt Ion: 129 Resp: 195936

Ion Ratio Lower Upper

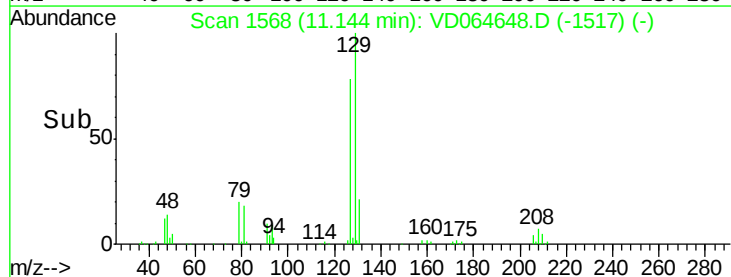
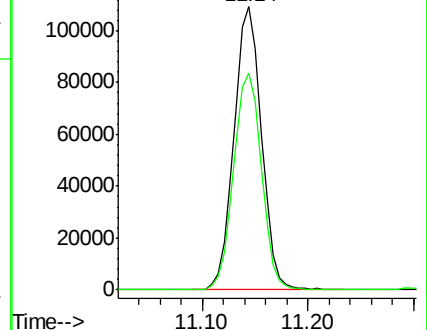
129 100

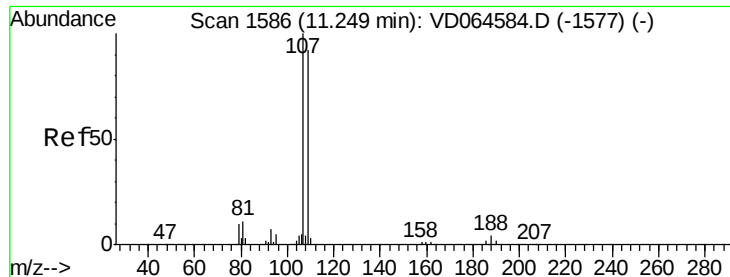
127 77.8 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

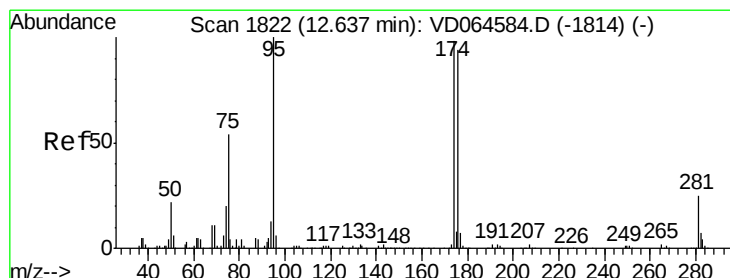
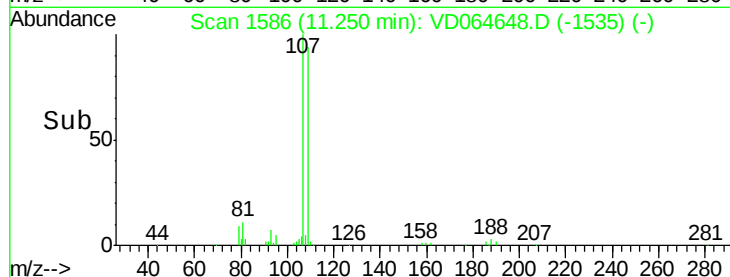
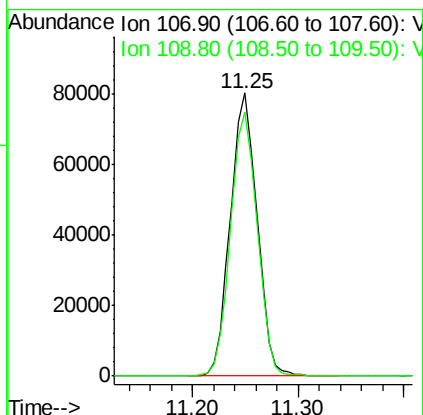
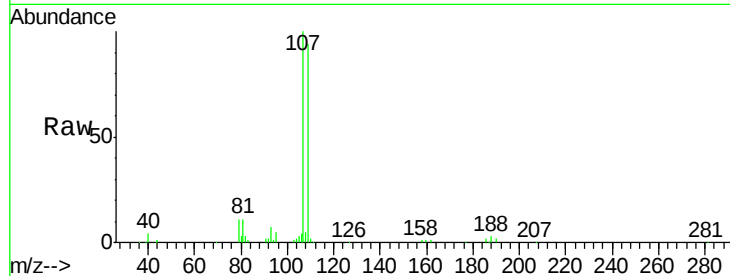




#61
 1,2-Dibromoethane
 Concen: 51.594 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

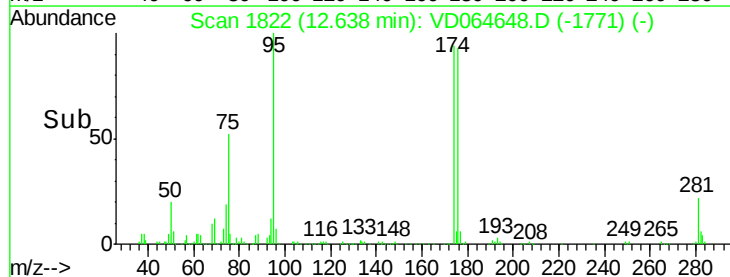
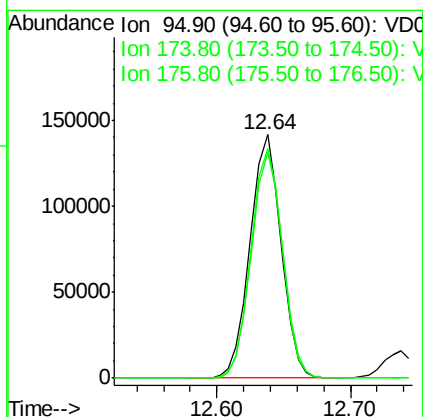
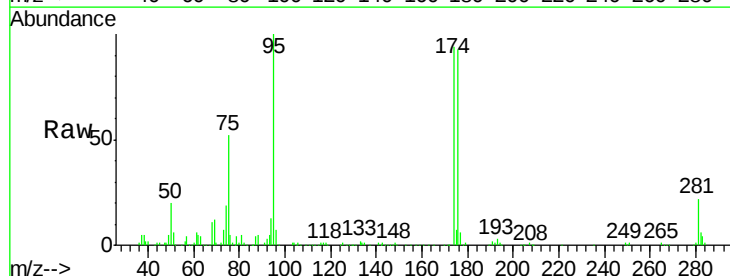
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

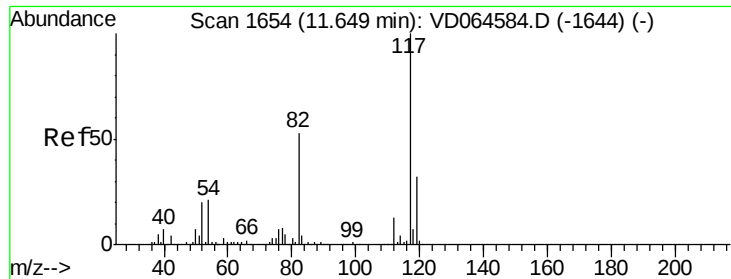
Tgt Ion: 107 Resp: 141306
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.965 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion: 95 Resp: 227447
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 193.2
 176 93.0 0.0 184.2

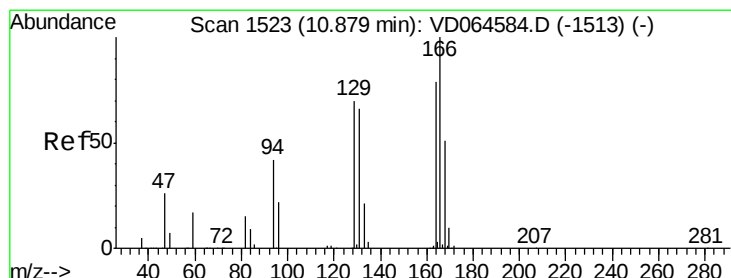
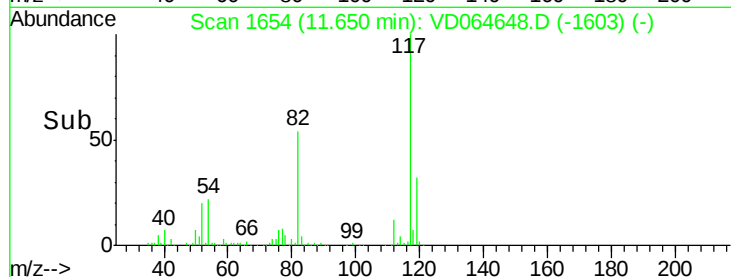
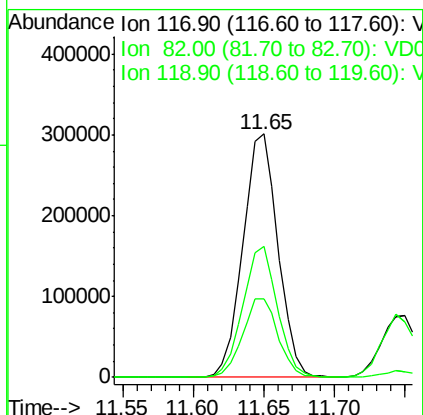
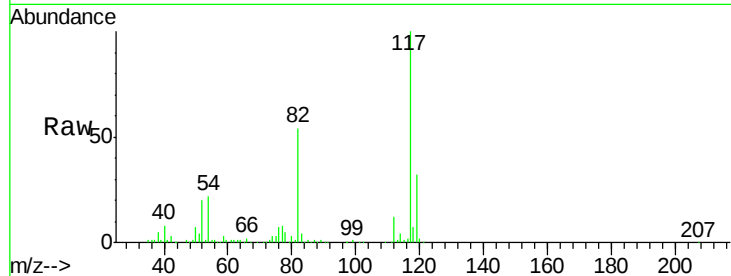




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

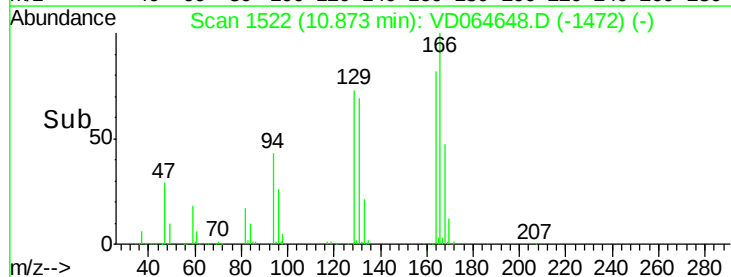
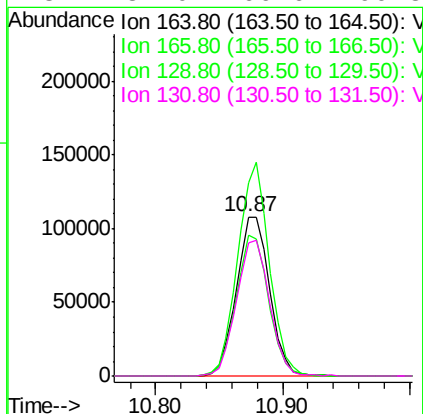
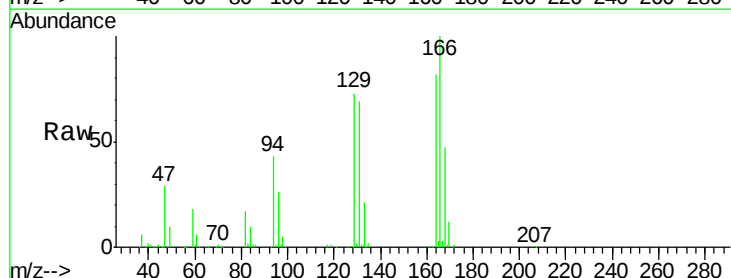
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

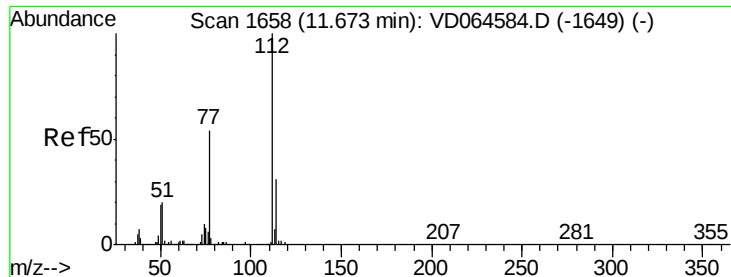
Tgt Ion:117 Resp: 525031
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 48.705 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion:164 Resp: 196182
Ion Ratio Lower Upper
164 100
166 121.8 101.3 151.9
129 88.4 70.5 105.7
131 84.0 66.6 99.8

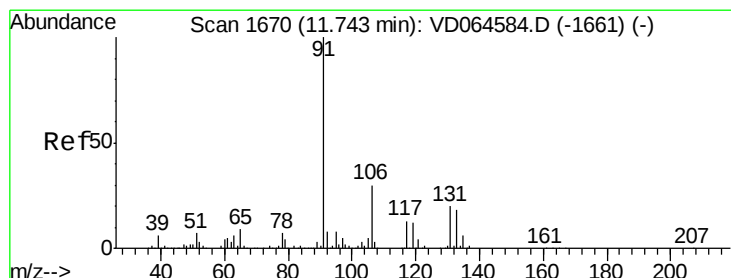
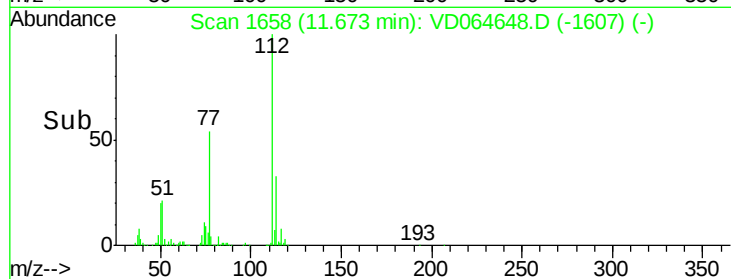
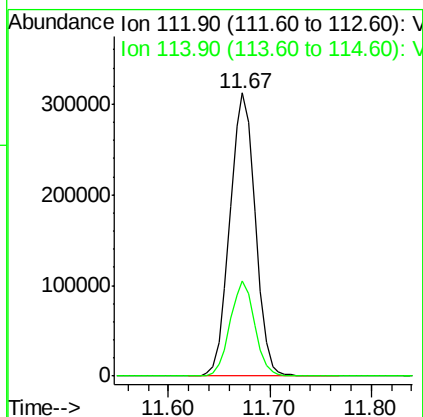
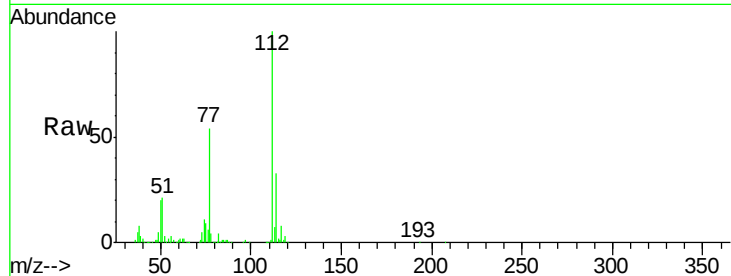




#65
Chlorobenzene
Concen: 49.828 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

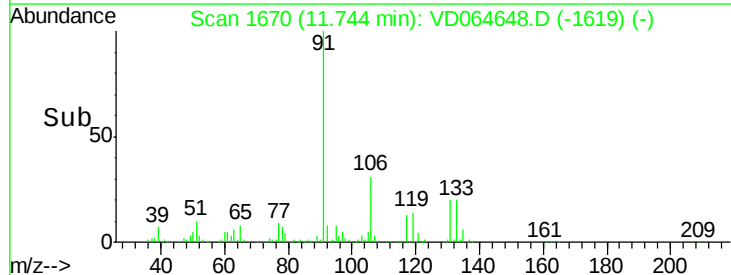
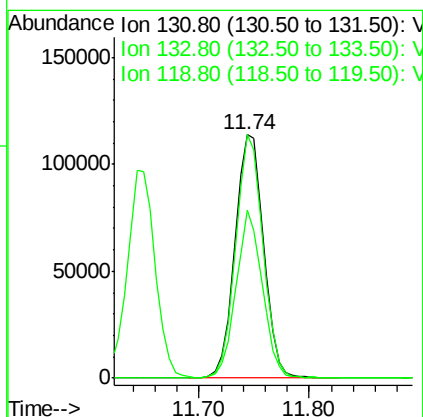
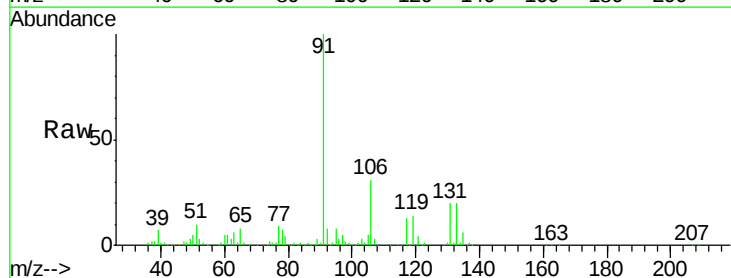
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

Tgt Ion:112 Resp: 542971
Ion Ratio Lower Upper
112 100
114 33.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.521 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion:131 Resp: 207538
Ion Ratio Lower Upper
131 100
133 95.4 48.3 144.8
119 63.6 32.1 96.3





#67

Ethyl Benzene

Concen: 49.741 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

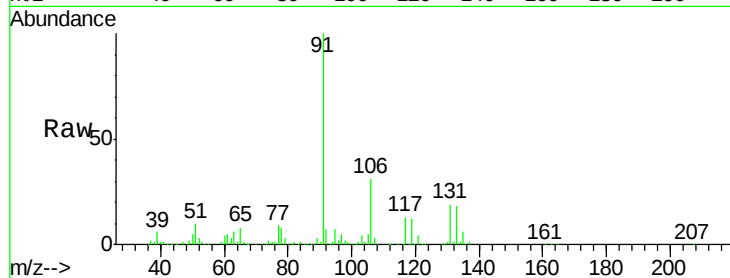
SB-2-(4-5)MSD

Tgt Ion: 91 Resp: 983808

Ion Ratio Lower Upper

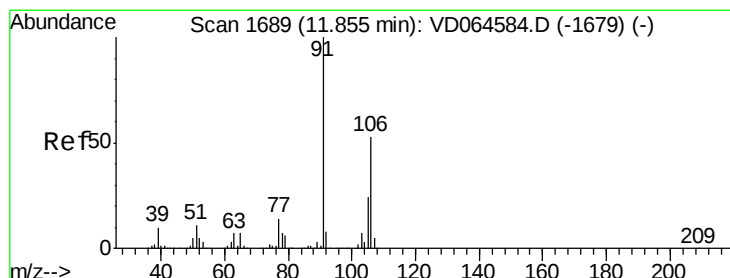
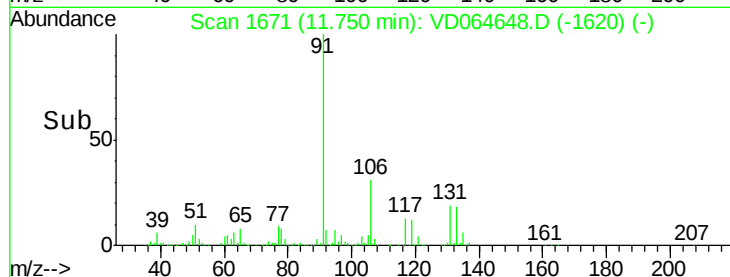
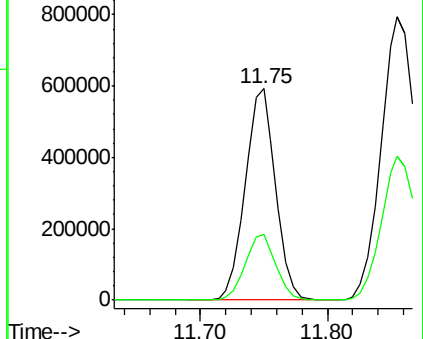
91 100

106 31.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.963 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064648.D

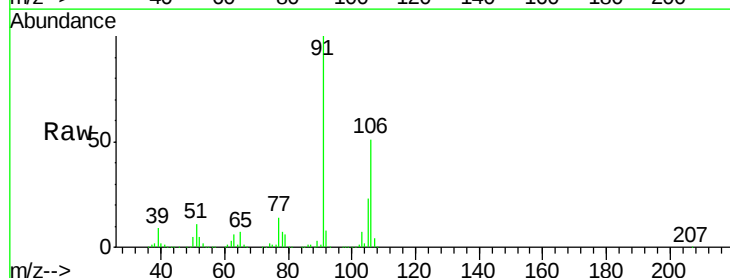
Acq: 27 Dec 2019 16:48

Tgt Ion: 106 Resp: 763131

Ion Ratio Lower Upper

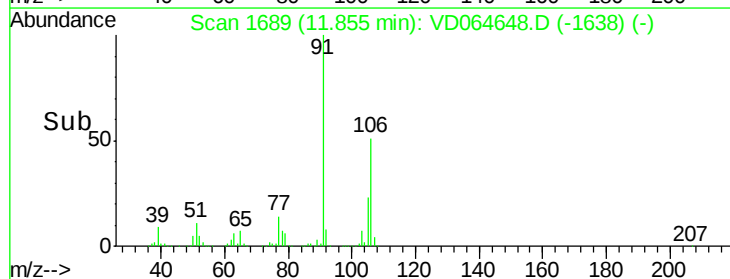
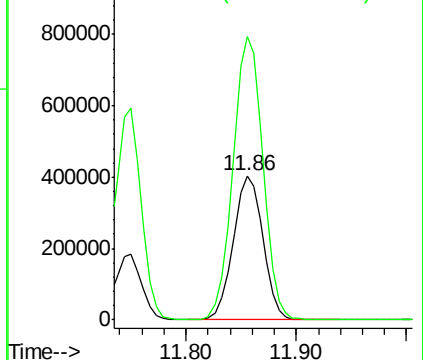
106 100

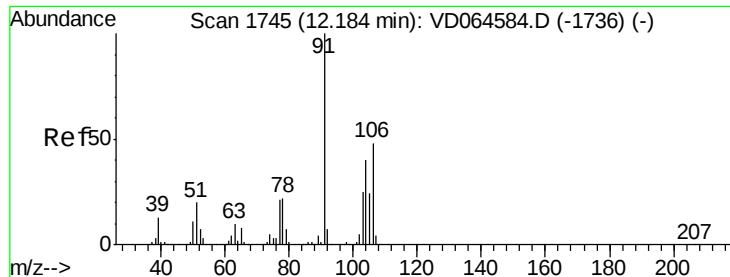
91 197.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

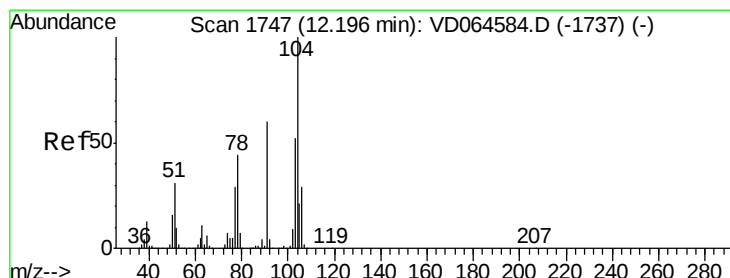
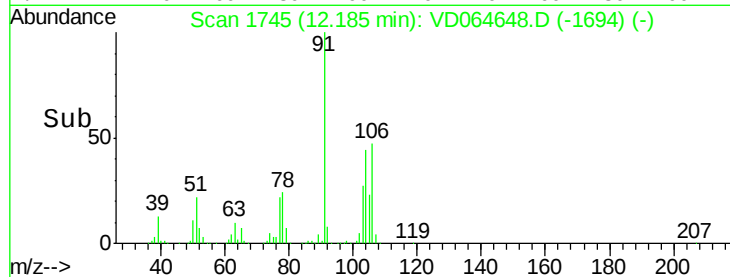
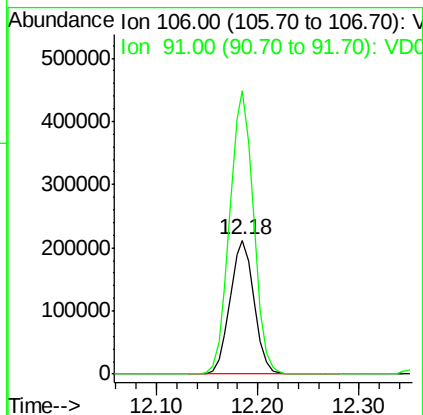
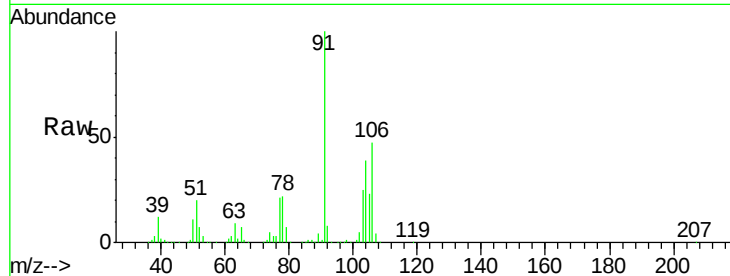




#69
o-Xylene
Concen: 50.518 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

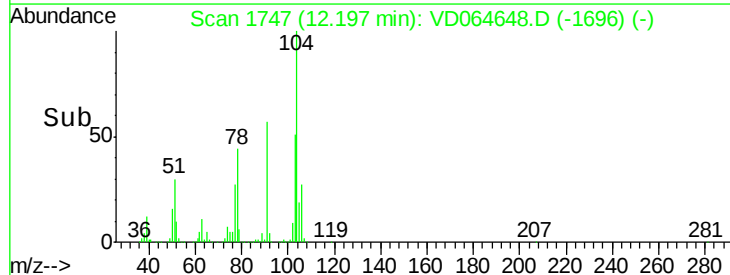
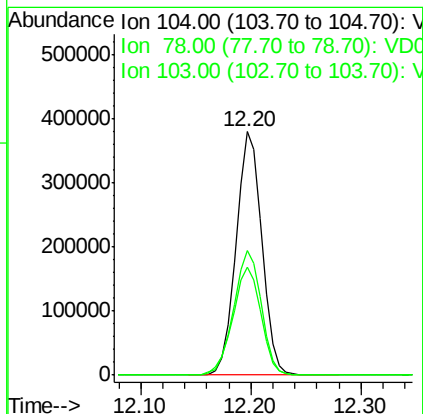
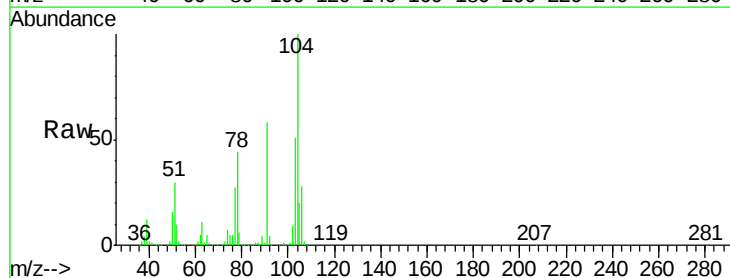
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MSD

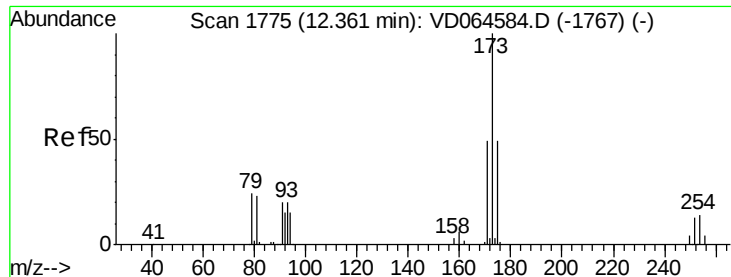
Tgt Ion:106 Resp: 348347
Ion Ratio Lower Upper
106 100
91 209.8 104.8 314.4



#70
Styrene
Concen: 51.540 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion:104 Resp: 623816
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 54.9 44.6 67.0





#71

Bromoform

Concen: 51.483 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

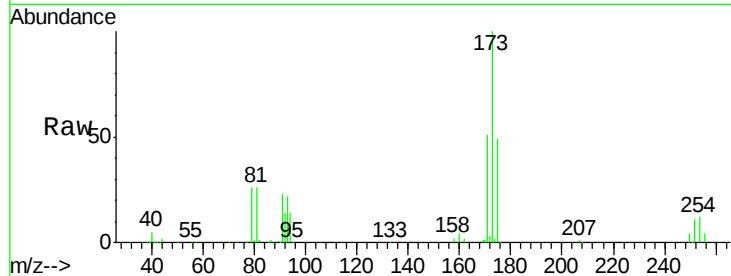
Tgt Ion:173 Resp: 120607

Ion Ratio Lower Upper

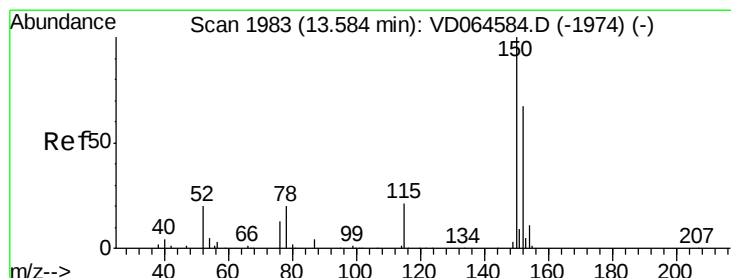
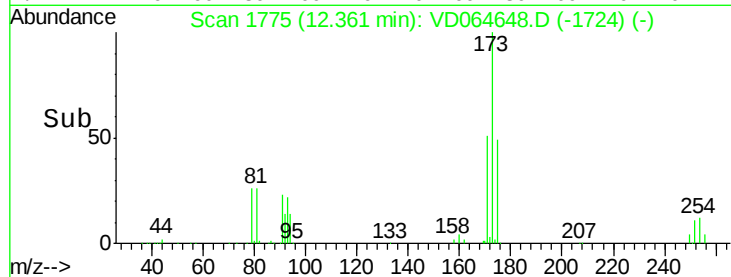
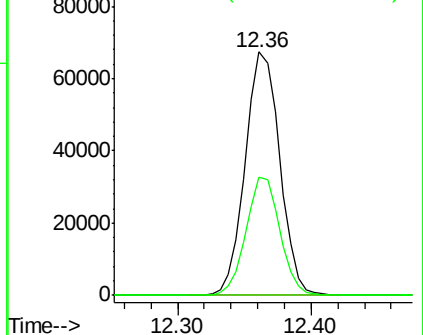
173 100

175 47.4 24.6 73.8

254 0.1 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: VD064648.D

Acq: 27 Dec 2019 16:48

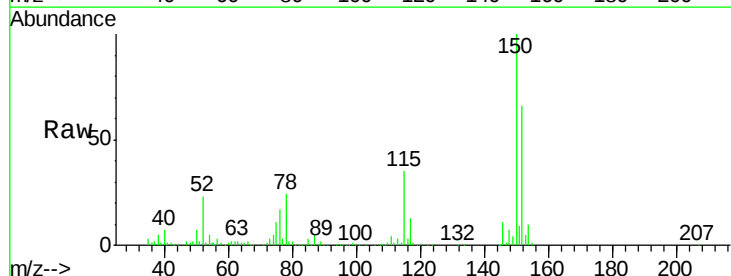
Tgt Ion:152 Resp: 270671

Ion Ratio Lower Upper

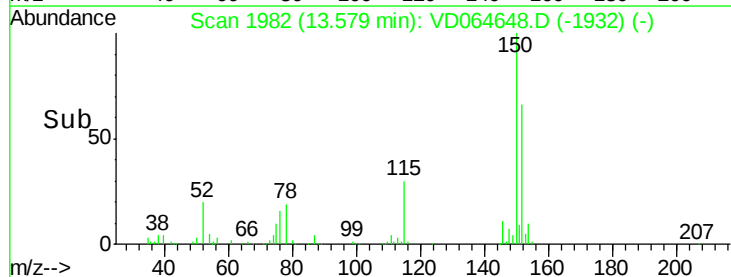
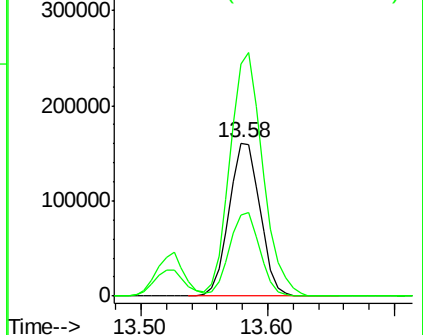
152 100

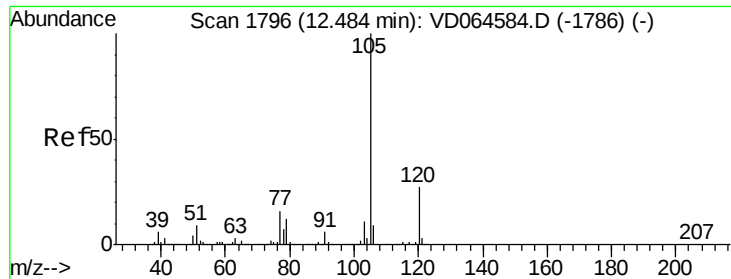
115 53.8 27.8 83.4

150 169.0 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: 48.500 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

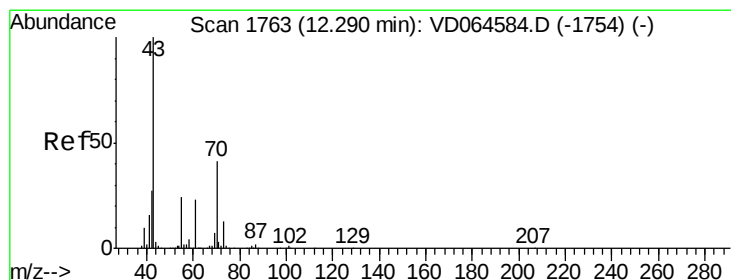
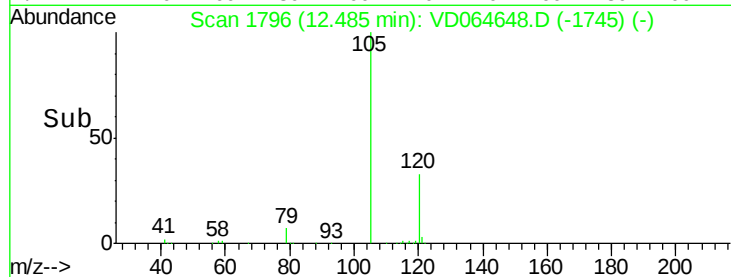
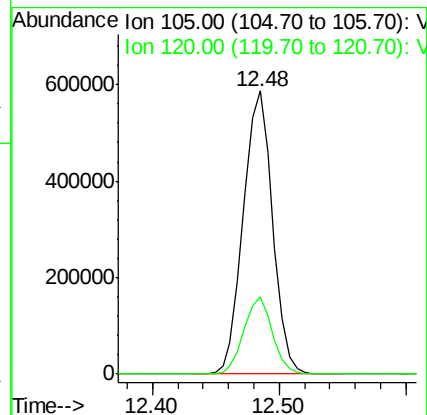
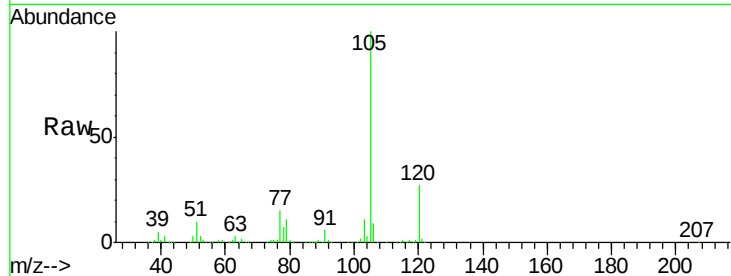
SB-2-(4-5)MSD

Tgt Ion: 105 Resp: 938122

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#74

N-ethyl acetate

Concen: 51.211 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Tgt Ion: 43 Resp: 211745

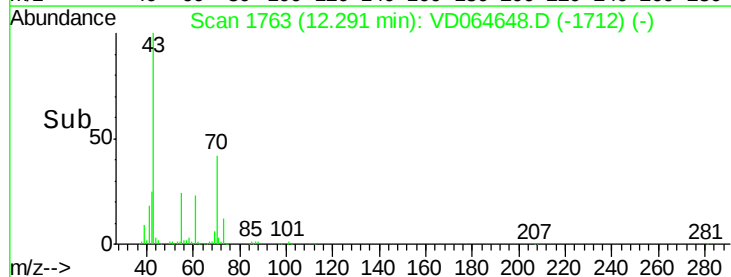
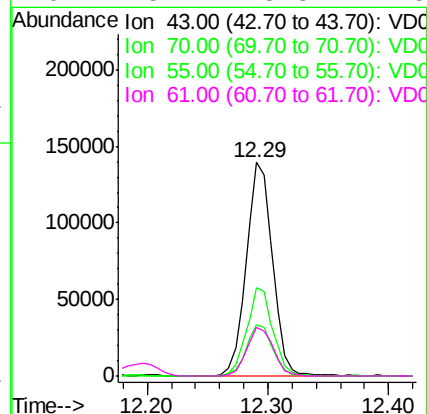
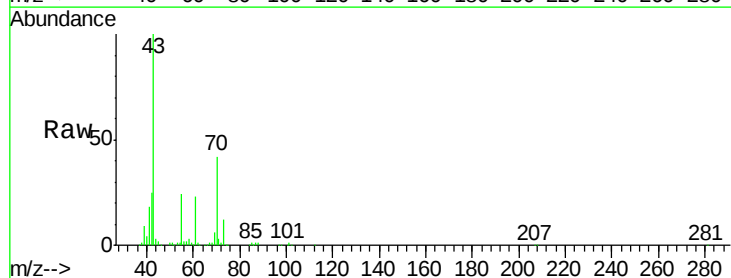
Ion Ratio Lower Upper

43 100

70 41.2 33.4 50.0

55 24.5 19.4 29.0

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.373 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

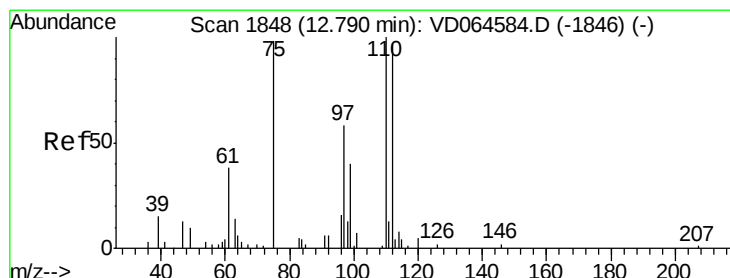
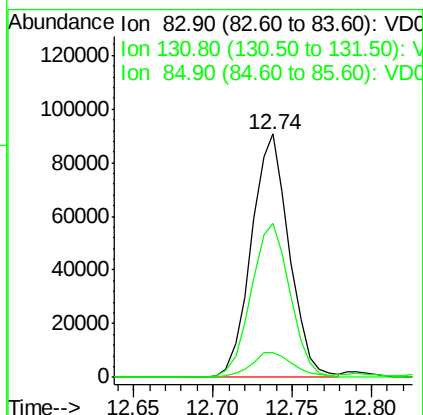
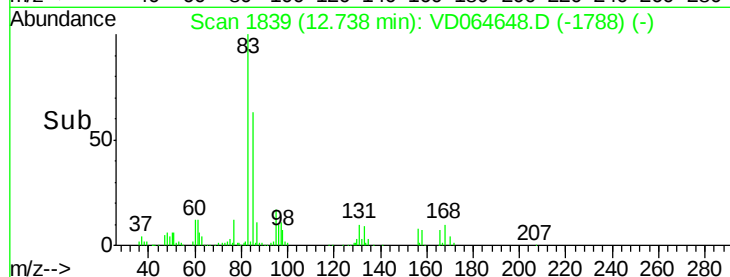
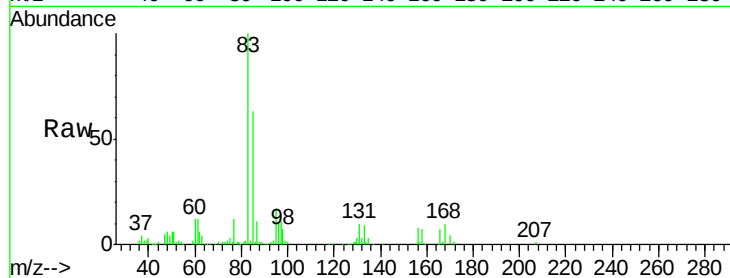
Tgt Ion: 83 Resp: 150023

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.4

85 65.1 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 94.215 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064648.D

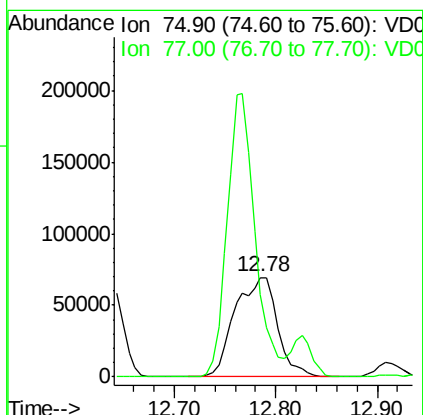
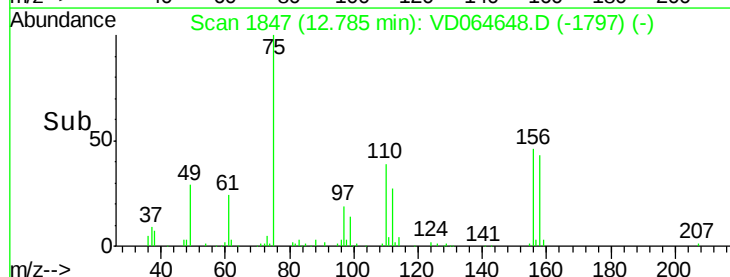
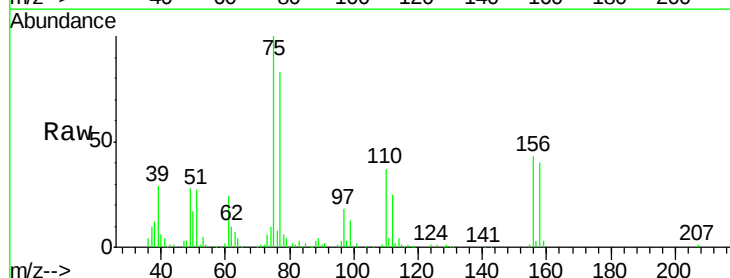
Acq: 27 Dec 2019 16:48

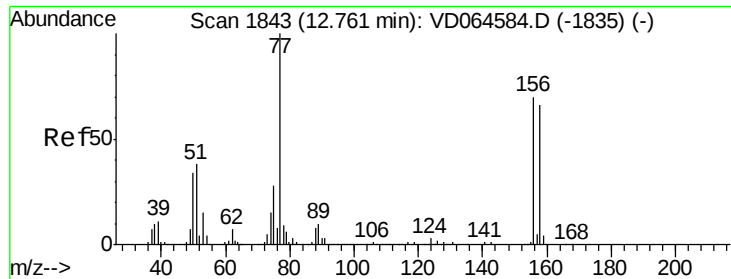
Tgt Ion: 75 Resp: 201373

Ion Ratio Lower Upper

75 100

77 188.0 0.0 0.0#





#77

Bromobenzene

Concen: 48.373 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

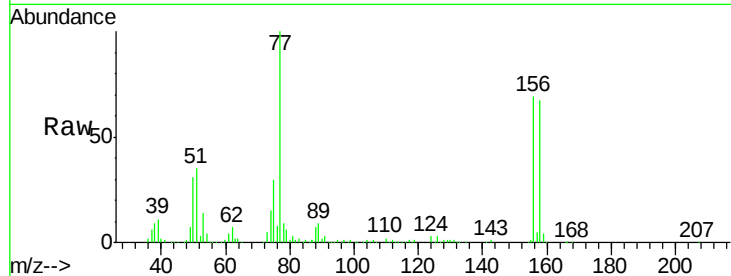
Tgt Ion:156 Resp: 229907

Ion Ratio Lower Upper

156 100

77 164.7 80.9 242.7

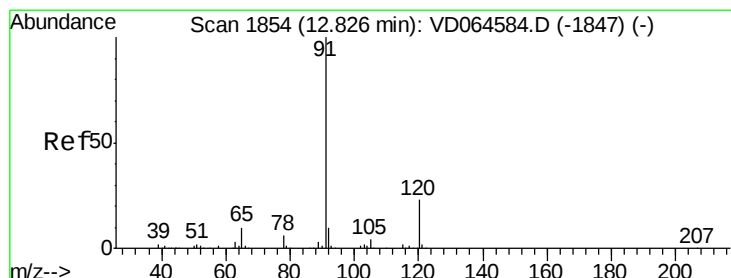
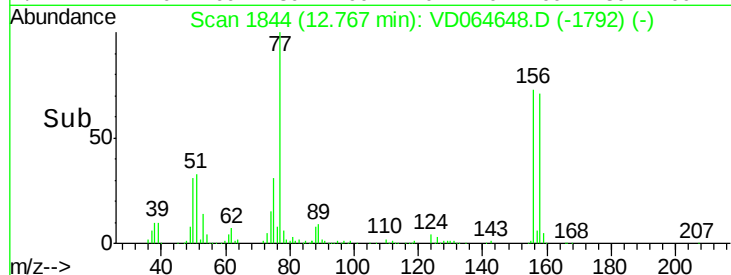
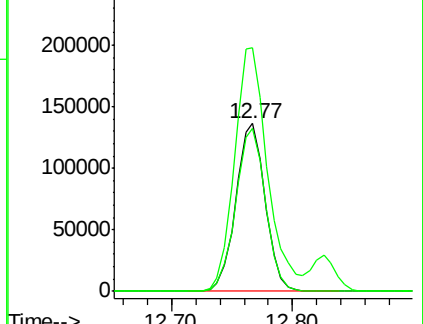
158 98.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.892 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064648.D

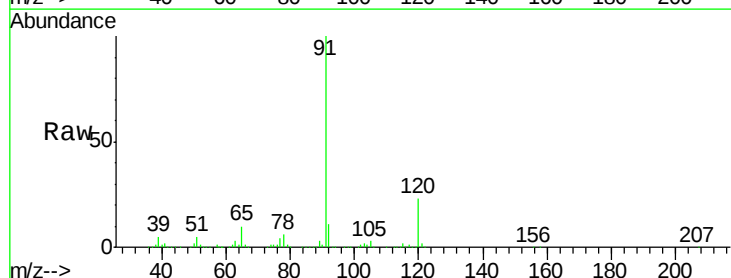
Acq: 27 Dec 2019 16:48

Tgt Ion: 91 Resp: 1103293

Ion Ratio Lower Upper

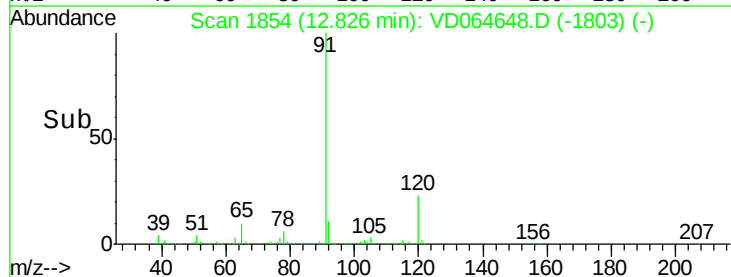
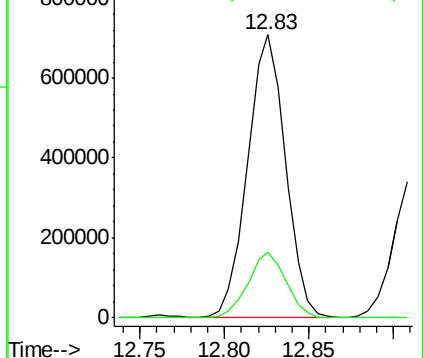
91 100

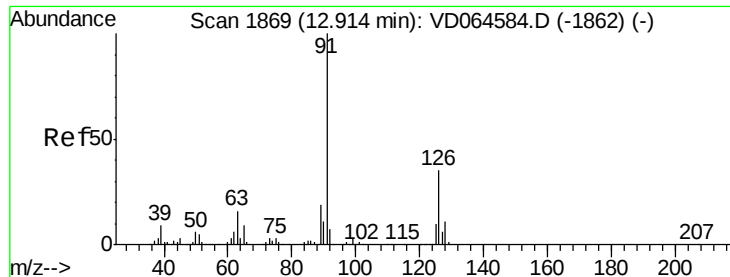
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.807 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

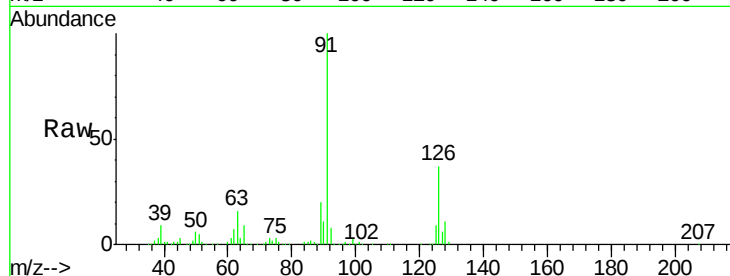
SB-2-(4-5)MSD

Tgt Ion: 91 Resp: 605029

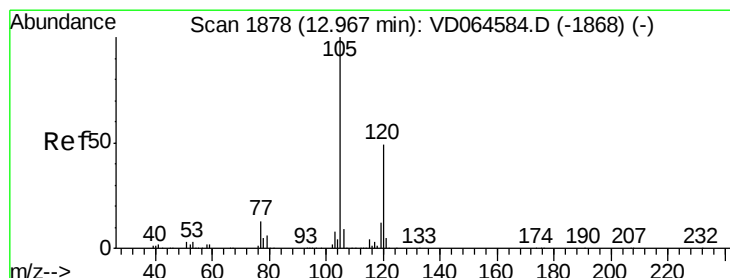
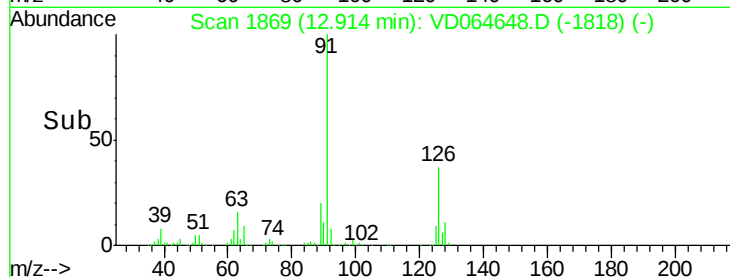
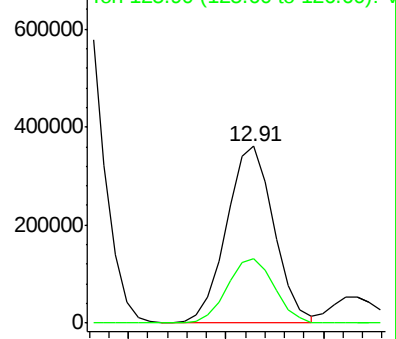
Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.007 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064648.D

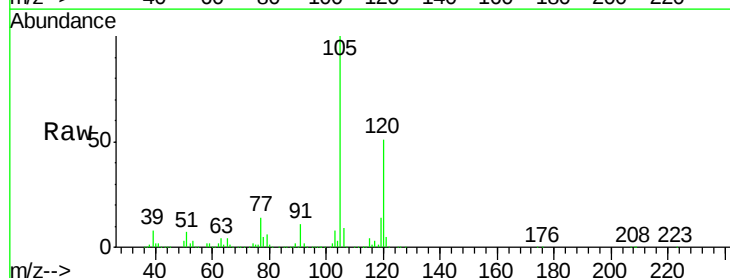
Acq: 27 Dec 2019 16:48

Tgt Ion: 105 Resp: 778689

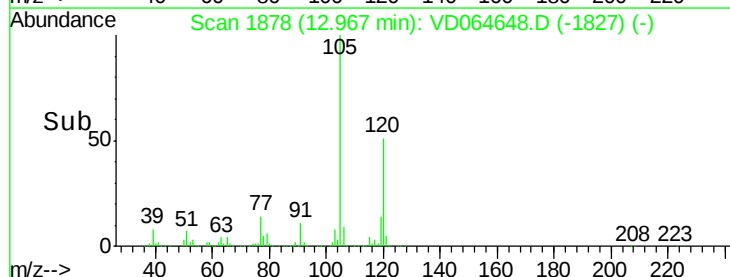
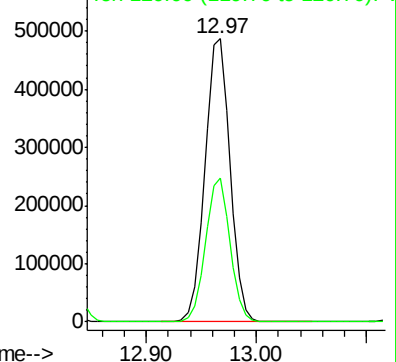
Ion Ratio Lower Upper

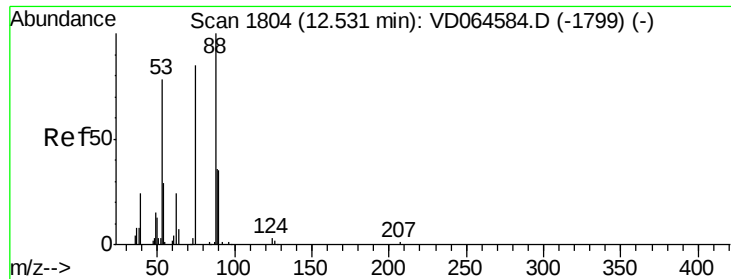
105 100

120 49.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.005 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

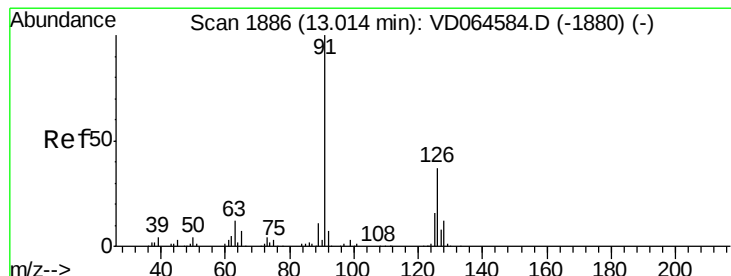
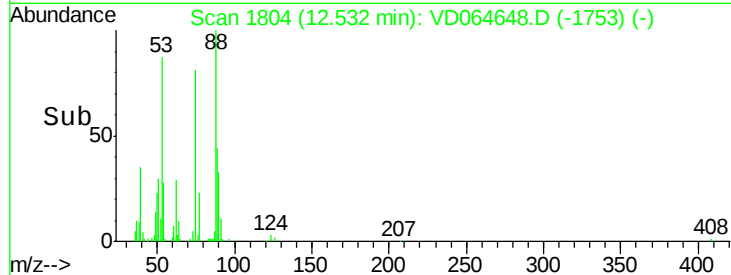
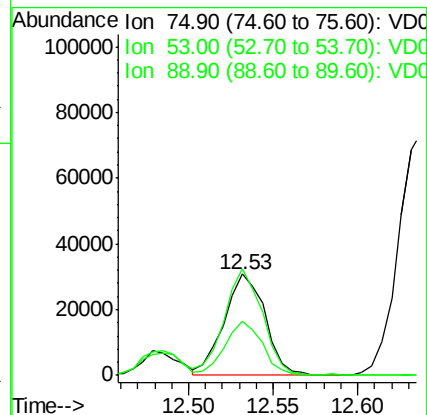
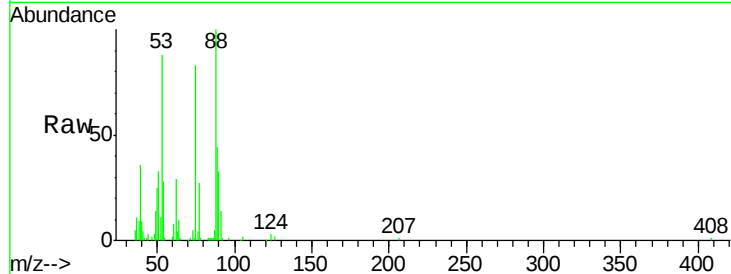
Tgt Ion: 75 Resp: 52125

Ion Ratio Lower Upper

75 100

53 99.0 78.8 118.2

89 48.7 38.3 57.5



#82

4-Chlorotoluene

Concen: 48.616 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064648.D

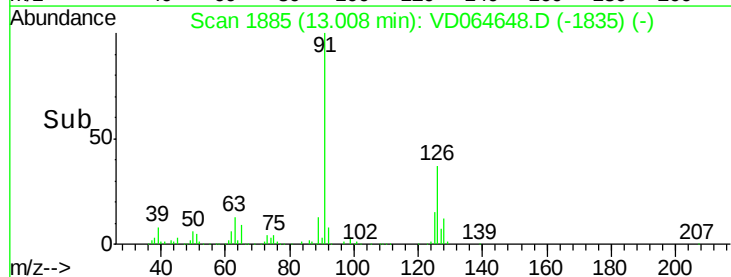
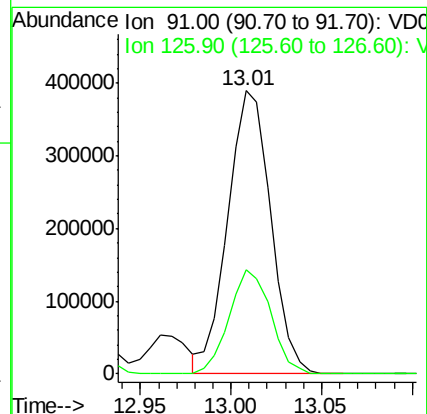
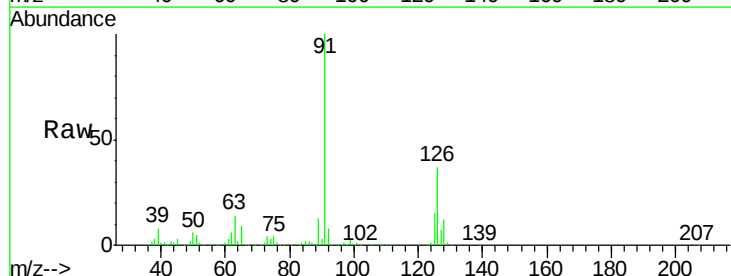
Acq: 27 Dec 2019 16:48

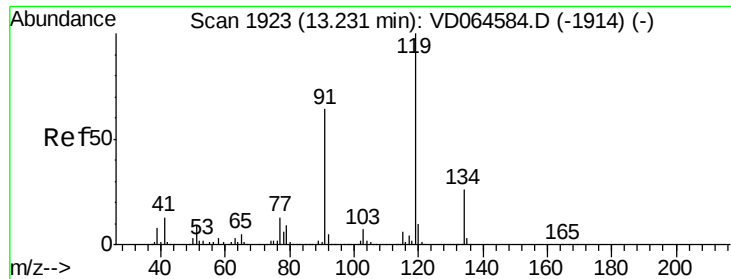
Tgt Ion: 91 Resp: 641341

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5

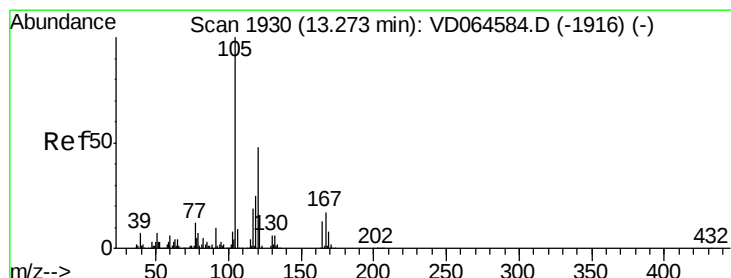
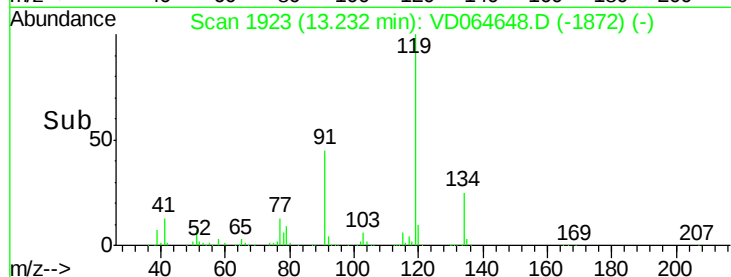
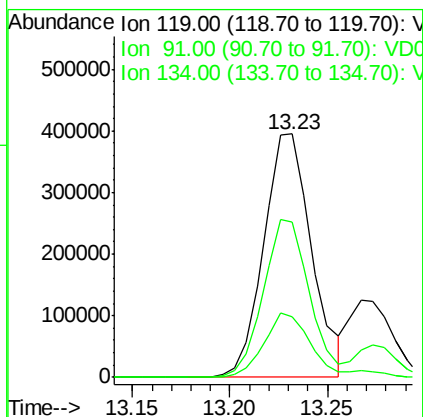
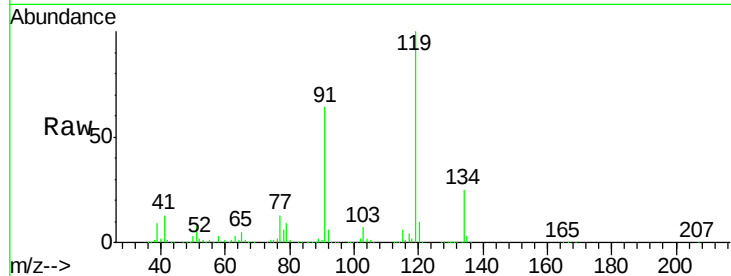




#83
 tert-Butylbenzene
 Concen: 48.804 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

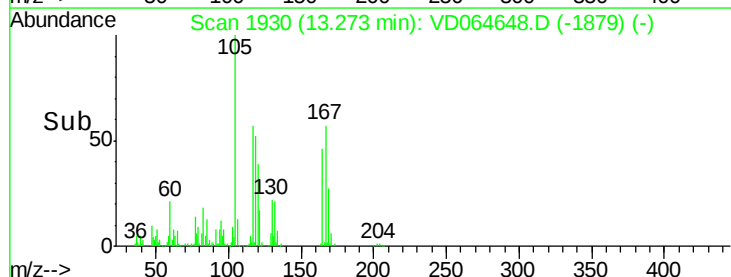
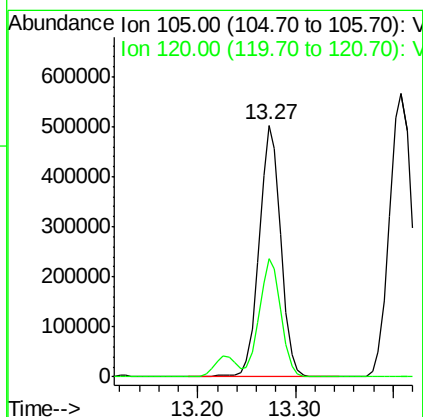
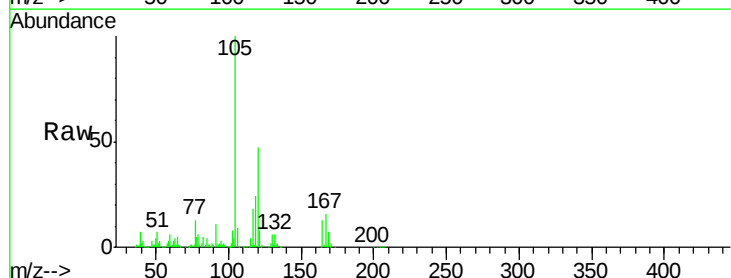
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

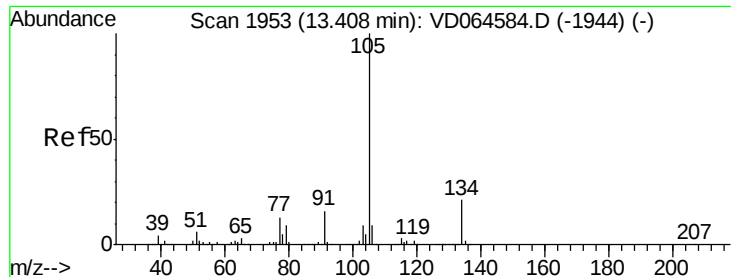
Tgt Ion:119 Resp: 673282
 Ion Ratio Lower Upper
 119 100
 91 62.0 30.8 92.4
 134 27.2 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 49.476 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion:105 Resp: 782939
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.2





#85

sec-Butylbenzene

Concen: 48.351 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

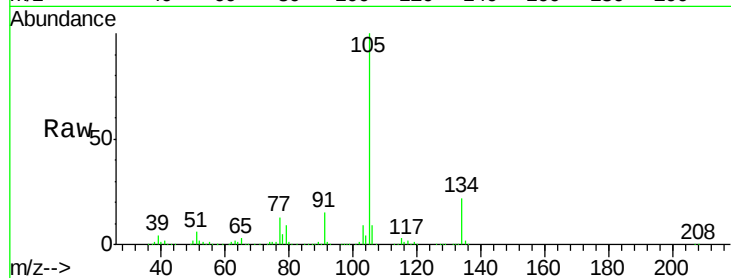
SB-2-(4-5)MSD

Tgt Ion:105 Resp: 914474

Ion Ratio Lower Upper

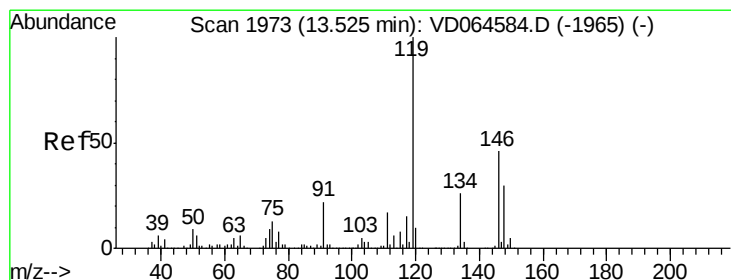
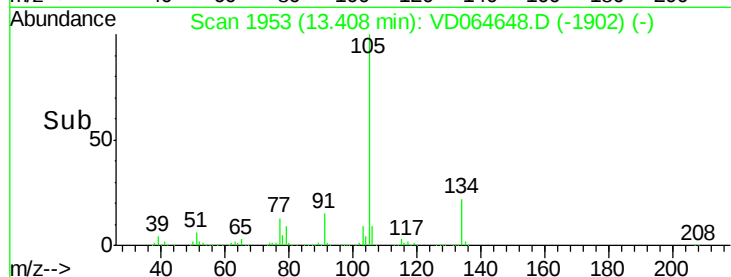
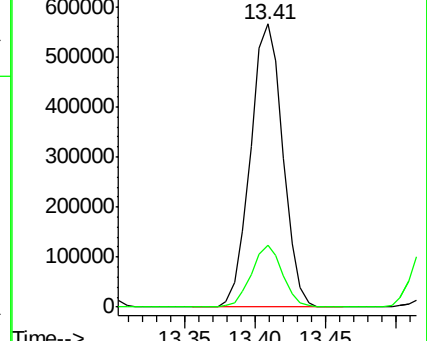
105 100

134 21.1 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: 48.556 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

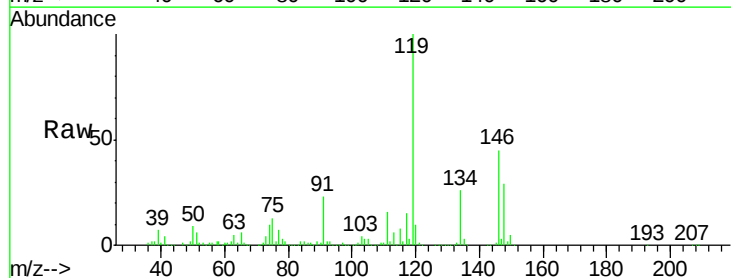
Tgt Ion:119 Resp: 878111

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

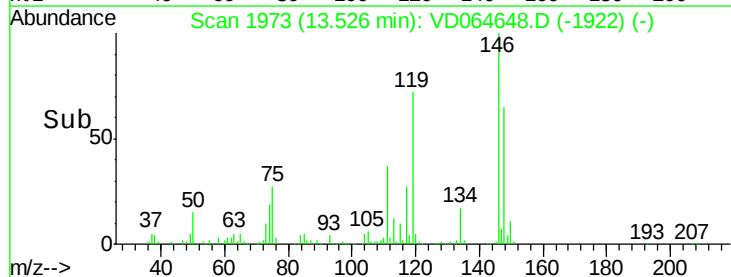
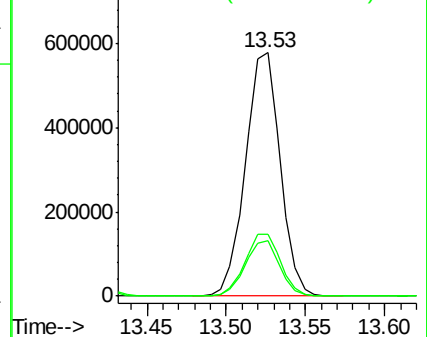
91 22.5 11.2 33.6

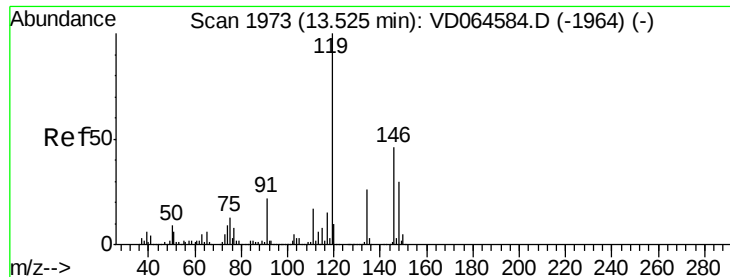


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

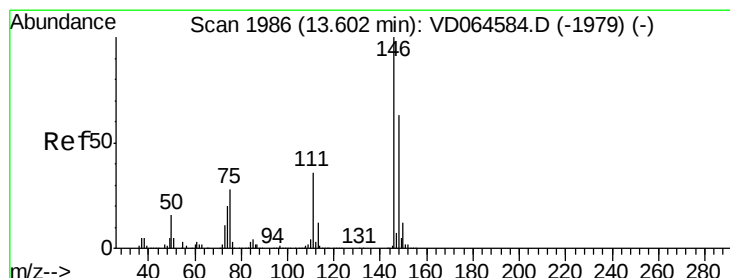
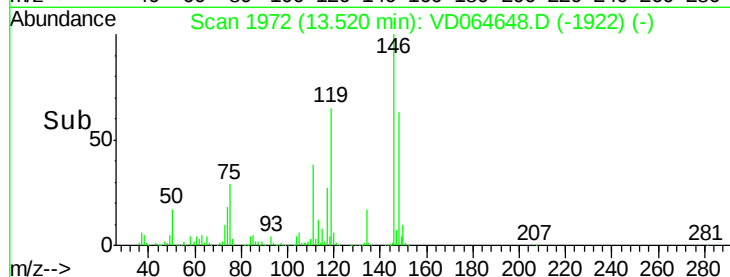
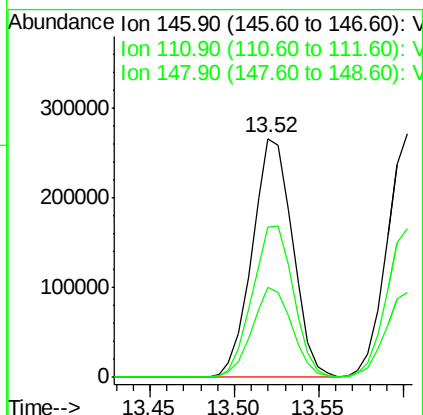
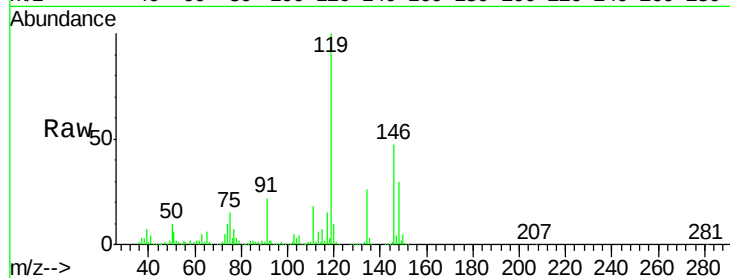




#87
 1,3-Dichlorobenzene
 Concen: 48.829 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

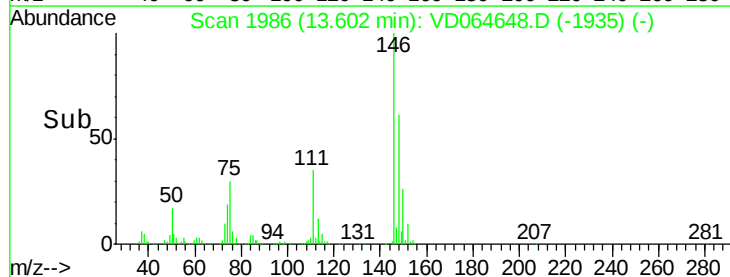
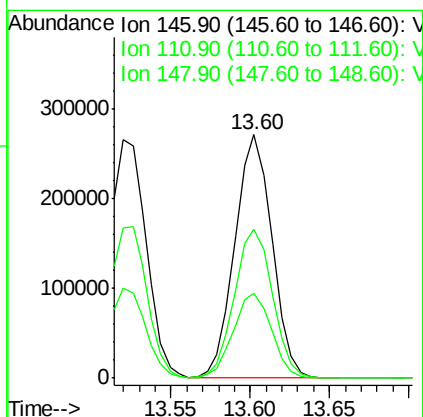
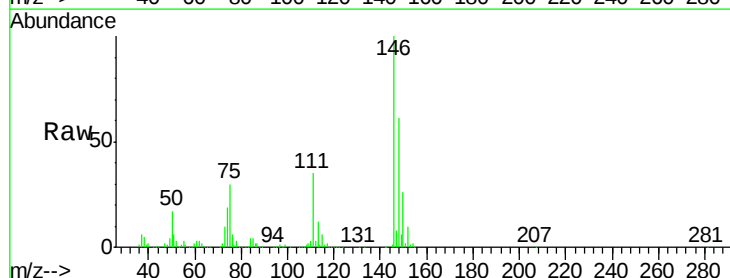
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

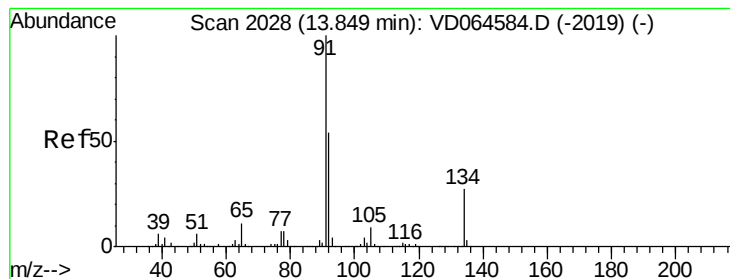
Tgt Ion:146 Resp: 442408
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 49.554 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion:146 Resp: 441063
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.1
 148 63.0 32.3 96.9





#89

n-Butylbenzene

Concen: 48.720 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064648.D

Acq: 27 Dec 2019 16:48

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MSD

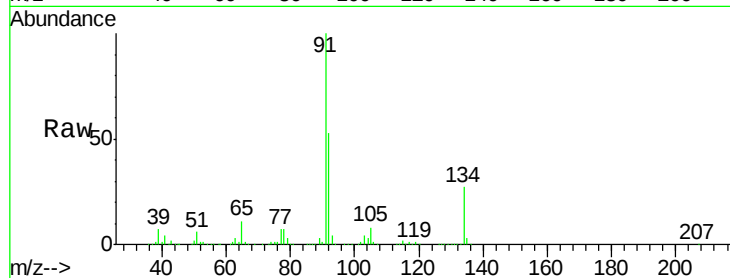
Tgt Ion: 91 Resp: 793439

Ion Ratio Lower Upper

91 100

92 52.7 26.8 80.4

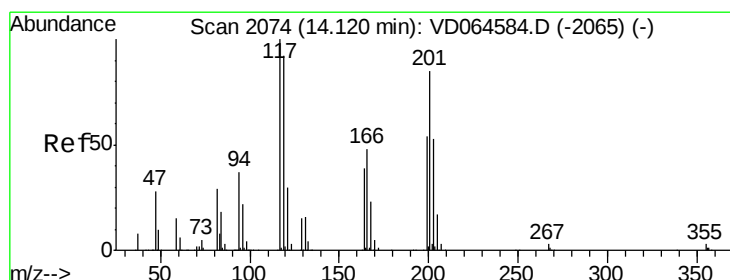
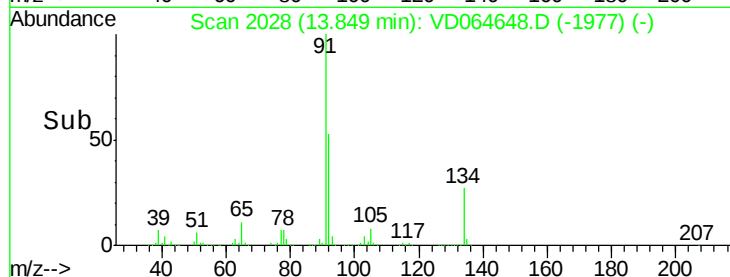
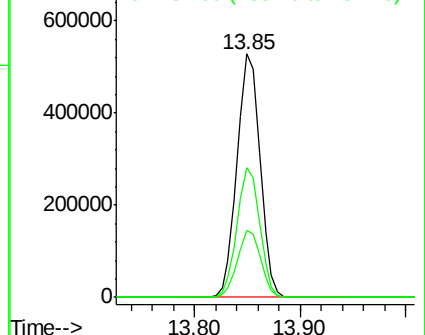
134 27.6 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 46.965 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064648.D

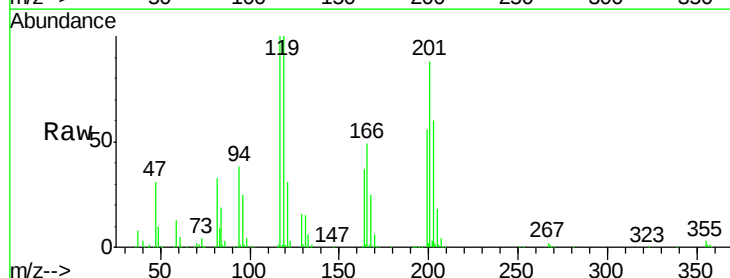
Acq: 27 Dec 2019 16:48

Tgt Ion: 117 Resp: 162243

Ion Ratio Lower Upper

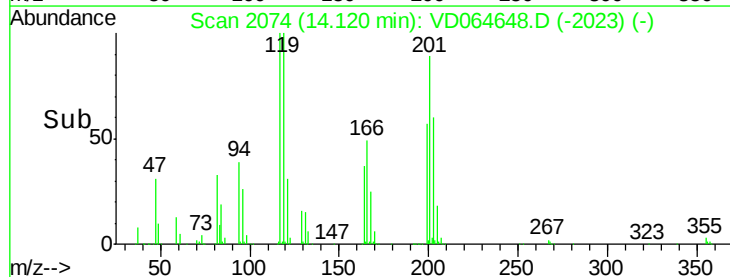
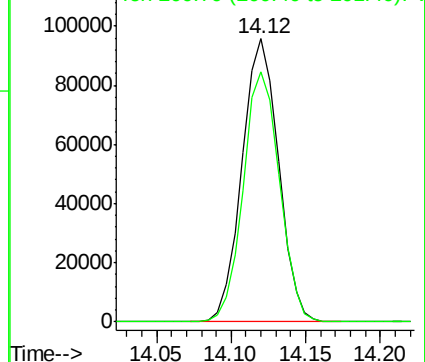
117 100

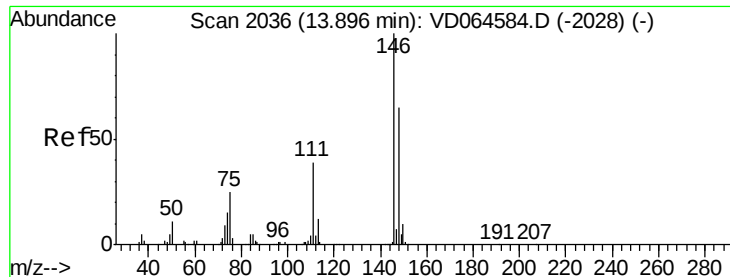
201 87.9 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

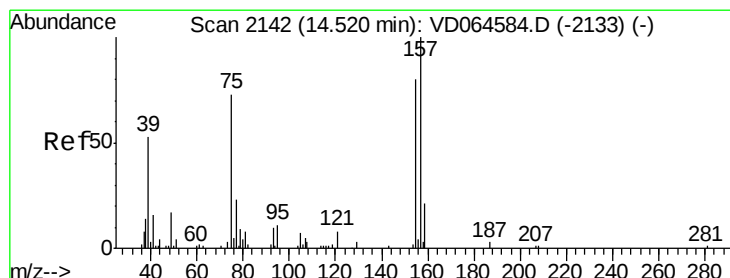
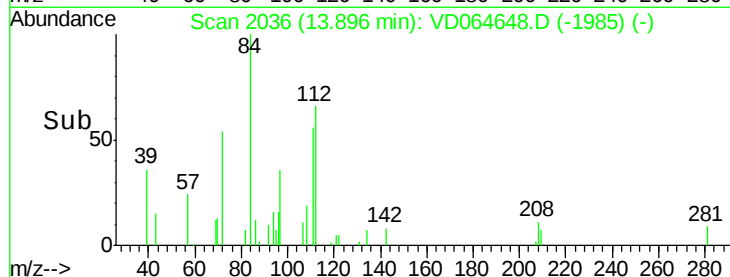
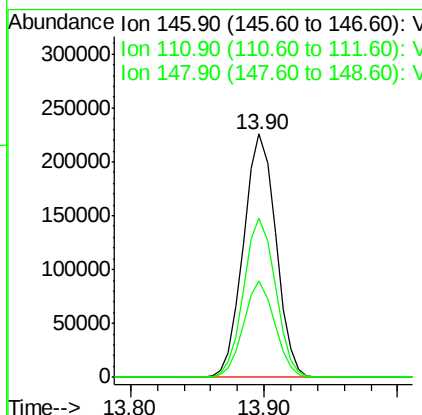
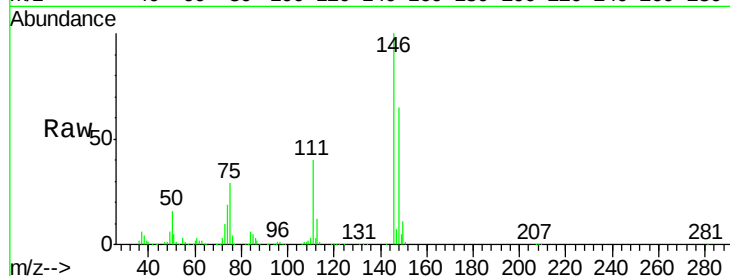




#91
 1,2-Dichlorobenzene
 Concen: 49.108 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

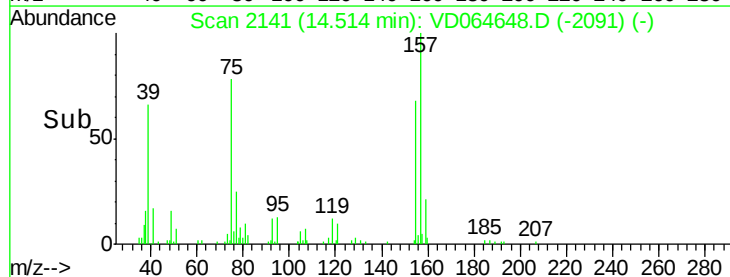
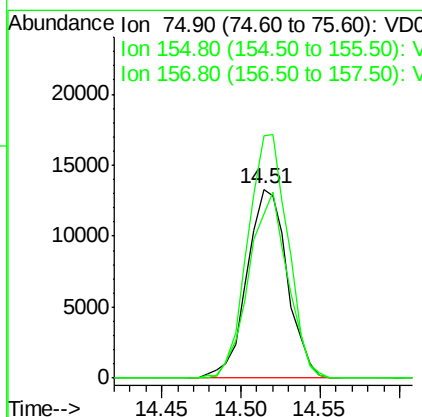
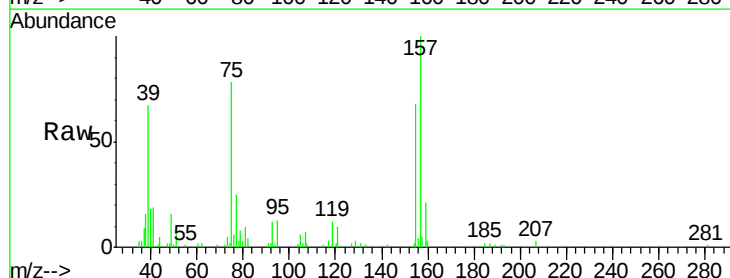
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	64.0	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.657 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.0	144.0
157	128.1	64.1	192.3

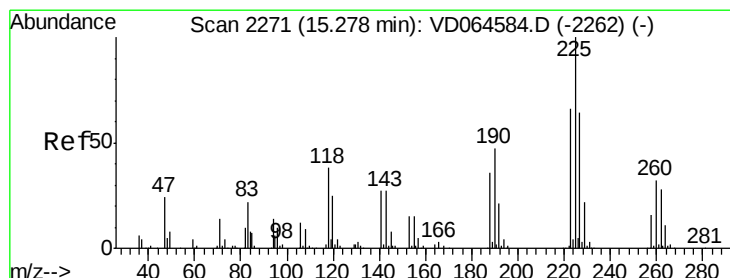
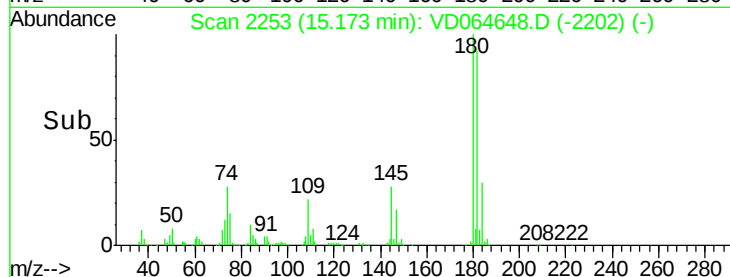
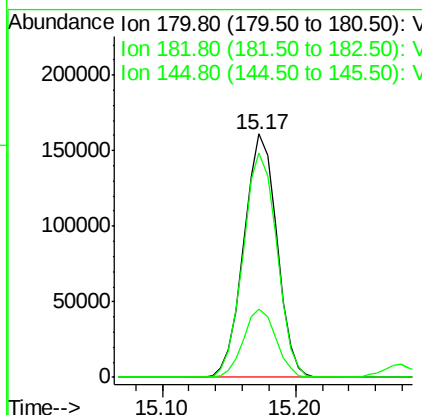
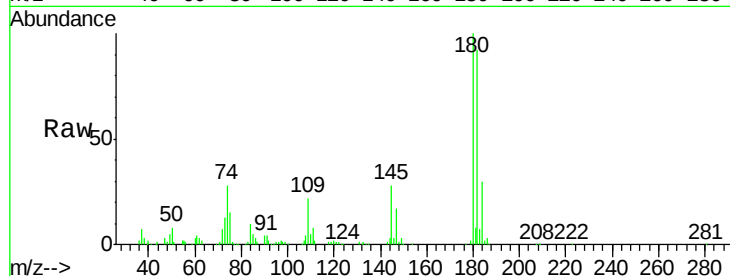




#93
 1,2,4-Trichlorobenzene
 Concen: 48.360 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

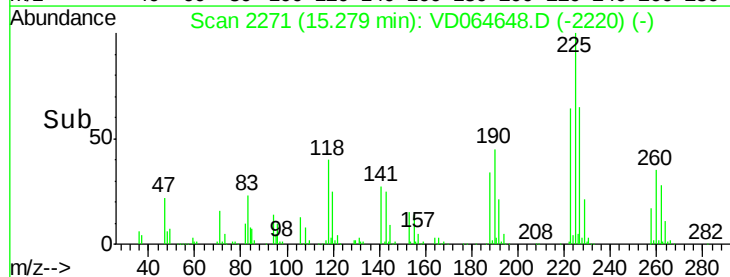
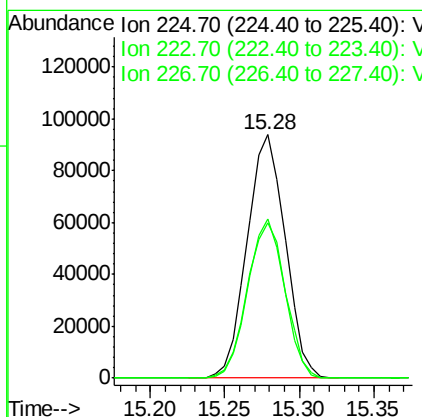
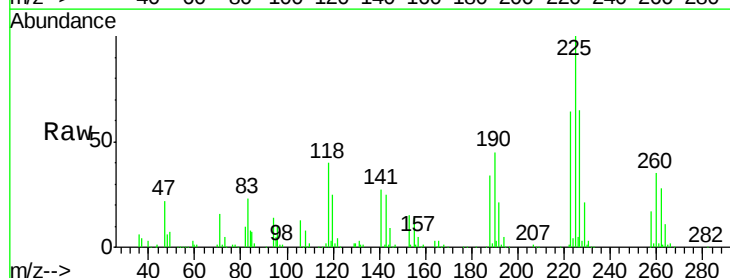
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MSD

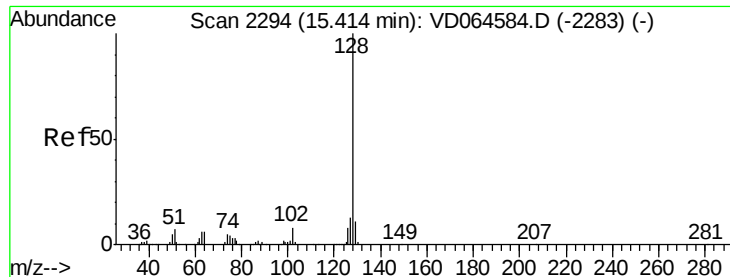
Tgt Ion:180 Resp: 275101
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.0 144.2
 145 27.9 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 46.287 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064648.D
 Acq: 27 Dec 2019 16:48

Tgt Ion:225 Resp: 165695
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.1 93.2
 227 62.6 30.9 92.7

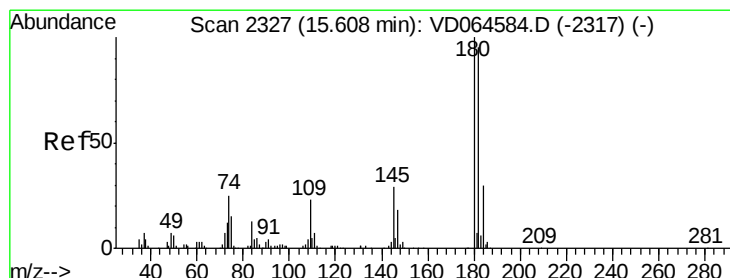
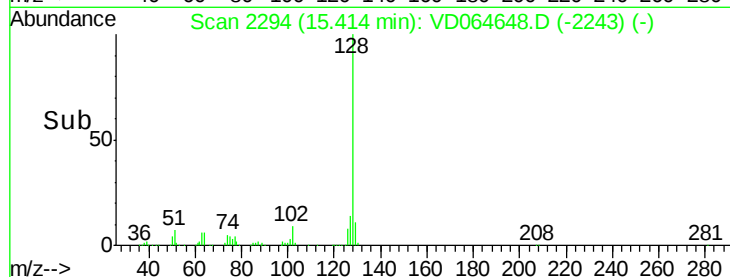
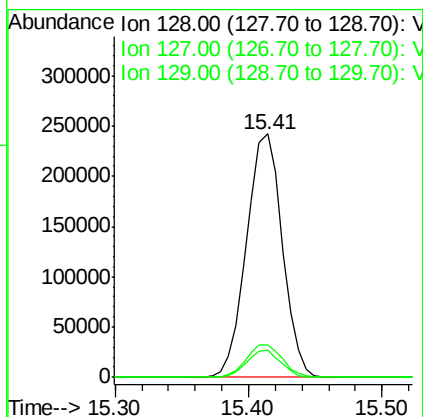
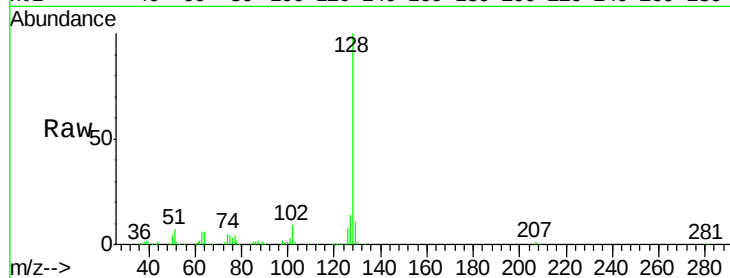




#95
Naphthalene
Concen: 49.826 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

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

Tgt Ion:128 Resp: 448409
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 48.628 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064648.D
Acq: 27 Dec 2019 16:48

Tgt Ion:180 Resp: 236156
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.7
145 29.7 14.9 44.7

