

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064884.D
 Acq On : 20 Jan 2020 12:14
 Operator : VA/SY
 Sample : L1176-05MSD
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 21 04:08:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	440155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151051	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.92	113	165848	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	10.34	98	637976	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.64	95	194137	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114550	41.538	ug/l	100
3) Chloromethane	2.21	50	179620	46.572	ug/l	100
4) Vinyl Chloride	2.36	62	215170	45.756	ug/l	99
5) Bromomethane	2.78	94	144826	42.357	ug/l	99
6) Chloroethane	2.93	64	149354	47.400	ug/l	96
7) Trichlorofluoromethane	3.27	101	353813	44.685	ug/l	96
8) Diethyl Ether	3.71	74	69885	44.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	162571	49.577	ug/l	99
10) Methyl Iodide	4.30	142	183670	52.145	ug/l	100
11) Tert butyl alcohol	5.25	59	50168	279.759	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	154267	49.414	ug/l	98
13) Acrolein	3.93	56	19949	79.822	ug/l	99
14) Allyl chloride	4.71	41	258517	53.111	ug/l	99
15) Acrylonitrile	5.44	53	132865	202.869	ug/l	98
16) Acetone	4.16	43	163915	248.665	ug/l	90
17) Carbon Disulfide	4.40	76	440414	43.628	ug/l	98
18) Methyl Acetate	4.73	43	85859	48.739	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	320299	46.191	ug/l	96
20) Methylene Chloride	4.97	84	177786	56.158	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	179110	50.377	ug/l	94
22) Diisopropyl ether	6.37	45	518286	53.384	ug/l	99
23) Vinyl Acetate	6.31	43	1163050	211.183	ug/l	98
24) 1,1-Dichloroethane	6.27	63	320756	55.034	ug/l	97
25) 2-Butanone	7.23	43	188109	218.707	ug/l	100
26) 2,2-Dichloropropane	7.21	77	300548	55.462	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	200350	52.214	ug/l	95
28) Bromochloromethane	7.55	49	113993	50.313	ug/l	98
29) Tetrahydrofuran	7.57	42	104400	195.187	ug/l	100
30) Chloroform	7.71	83	334339	54.676	ug/l	97
31) Cyclohexane	7.98	56	269702	46.228	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	314717	54.795	ug/l	100
36) 1,1-Dichloropropene	8.11	75	254695	51.911	ug/l	99
37) Ethyl Acetate	7.30	43	76039	39.450	ug/l	98
38) Carbon Tetrachloride	8.10	117	286335	54.731	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	282503	47.539	ug/l	94
40) Benzene	8.36	78	715232	53.400	ug/l	100
41) Methacrylonitrile	7.53	41	50351	45.023	ug/l	98
42) 1,2-Dichloroethane	8.43	62	191567	49.494	ug/l	99
43) Isopropyl Acetate	8.46	43	159311	41.525	ug/l	98
44) Trichloroethene	9.11	130	203767	51.787	ug/l	99
45) 1,2-Dichloropropane	9.39	63	172057	53.802	ug/l	99
46) Dibromomethane	9.48	93	82855	46.470	ug/l	99
47) Bromodichloromethane	9.67	83	247128	52.088	ug/l	96
48) Methyl methacrylate	9.46	41	77728	43.028	ug/l	94
49) 1,4-Dioxane	9.47	88	15630	760.250	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	381674	201.273	ug/l	100
52) Toluene	10.41	92	468867	53.356	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	211089	47.721	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	270648	51.891	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	111638	46.460	ug/l	96
56) Ethyl methacrylate	10.67	69	125929	41.964	ug/l	94
57) 1,3-Dichloropropane	10.95	76	192805	46.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	216589	189.440	ug/l	100
59) 2-Hexanone	10.99	43	276098	214.519	ug/l	99
60) Dibromochloromethane	11.15	129	156808	47.191	ug/l	100
61) 1,2-Dibromoethane	11.25	107	103859	43.822	ug/l	99
64) Tetrachloroethene	10.88	164	173390	51.347	ug/l	97
65) Chlorobenzene	11.67	112	480758	52.626	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	183801	53.370	ug/l	100
67) Ethyl Benzene	11.75	91	892649	53.835	ug/l	98
68) m/p-Xylenes	11.86	106	691791	108.092	ug/l	96
69) o-Xylene	12.18	106	312021	53.975	ug/l	100
70) Styrene	12.20	104	538914	53.111	ug/l	99
71) Bromoform	12.37	173	84216	42.881	ug/l #	99
73) Isopropylbenzene	12.48	105	863595	56.896	ug/l	100
74) N-amyl acetate	12.30	43	135670	41.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	109195	45.796	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	150006	89.437	ug/l #	100
77) Bromobenzene	12.77	156	194486	52.147	ug/l	98
78) n-propylbenzene	12.83	91	1001430	56.554	ug/l	100
79) 2-Chlorotoluene	12.91	91	547712	56.306	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	699509	56.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	35482	44.245	ug/l	98
82) 4-Chlorotoluene	13.01	91	583560	56.372	ug/l	99
83) tert-Butylbenzene	13.23	119	600023	55.426	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	702204	56.549	ug/l	98
85) sec-Butylbenzene	13.41	105	830693	55.971	ug/l	99
86) p-Isopropyltoluene	13.53	119	796211	56.106	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	384170	54.034	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	370489	53.045	ug/l	99
89) n-Butylbenzene	13.85	91	710041	55.560	ug/l	99
90) Hexachloroethane	14.12	117	150496	55.517	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	316741	52.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16050	41.522	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

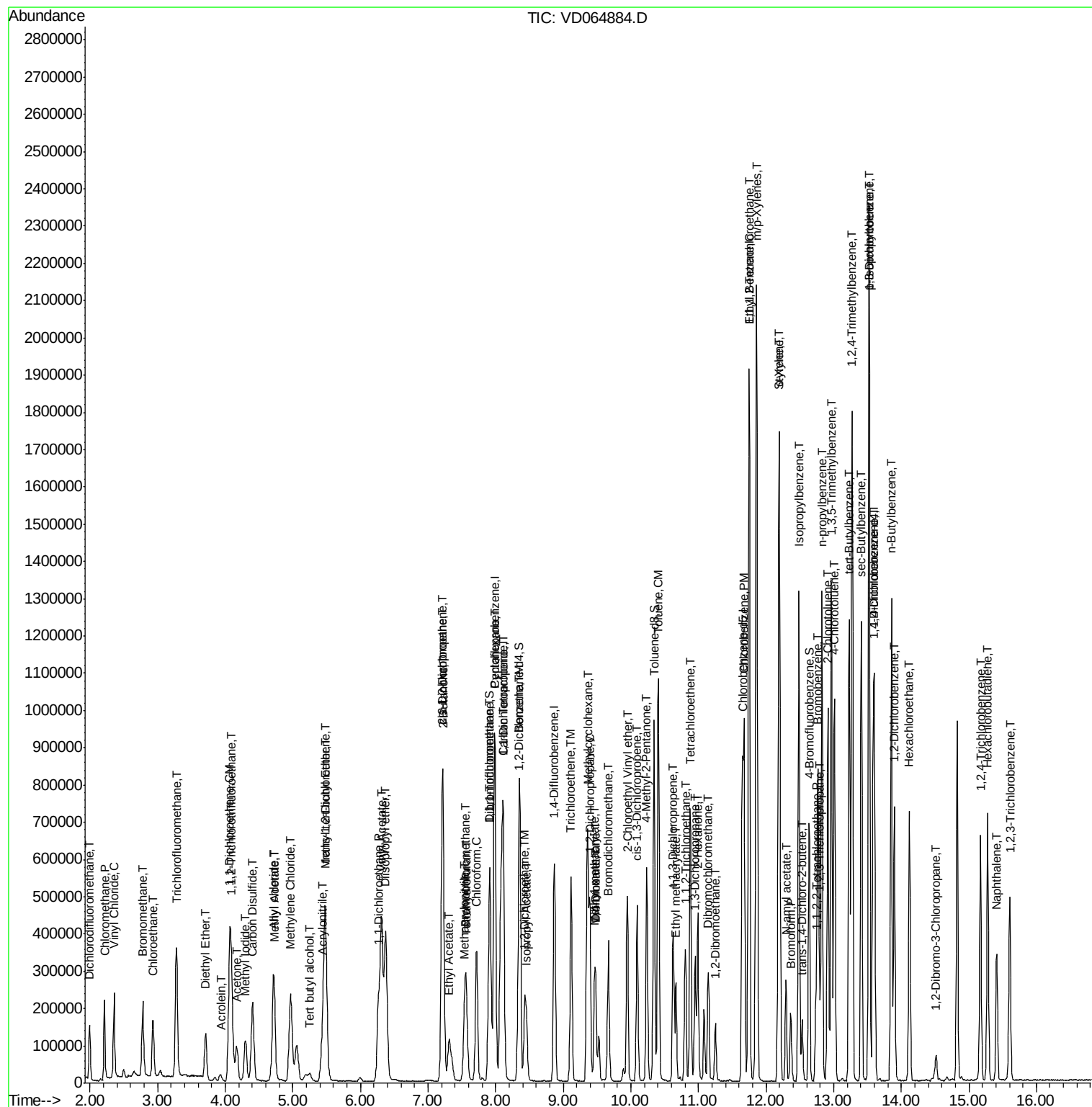
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	219885	49.258	ug/l	99
94) Hexachlorobutadiene	15.28	225	144908	51.586	ug/l	100
95) Naphthalene	15.41	128	302944	42.898	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	179206	47.025	ug/l	100

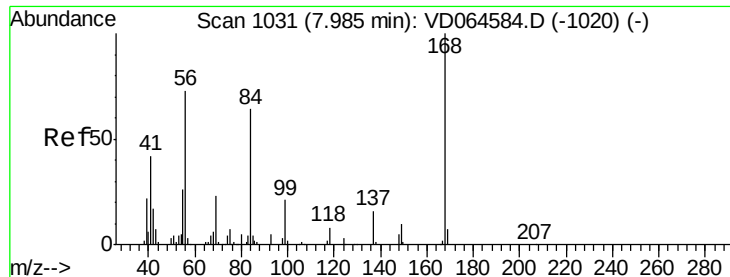
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

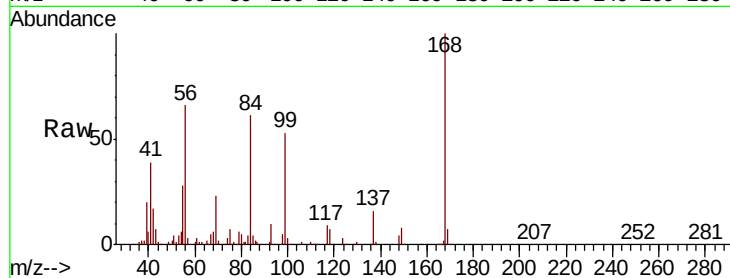
ClientSampleId :

Tot Ion:168 Resp: 354850

Ion Ratio Lower Upper

168 100

99 52.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

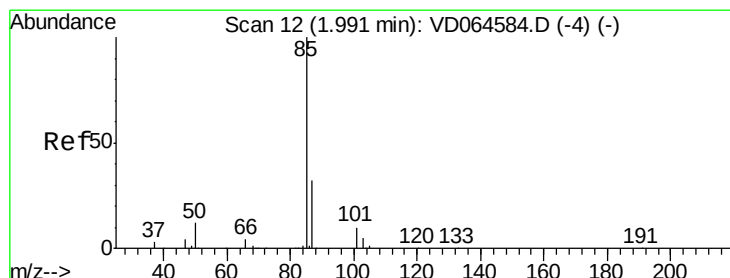
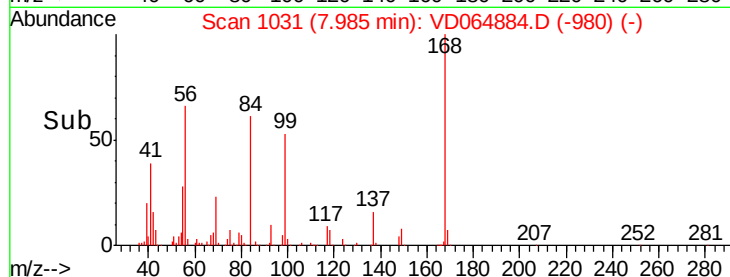
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.538 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064884.D

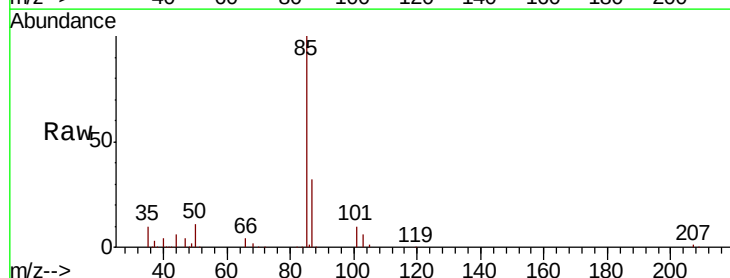
Acq: 20 Jan 2020 12:14

Tgt Ion: 85 Resp: 114550

Ion Ratio Lower Upper

85 100

87 32.0 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

80000

60000

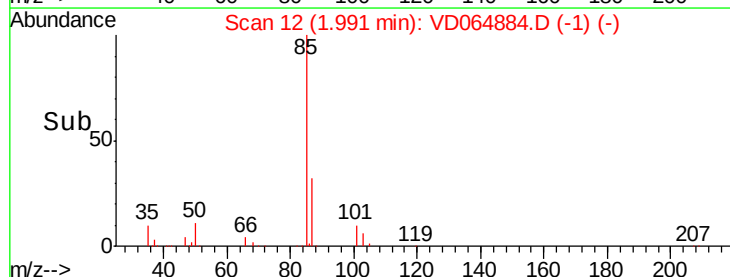
40000

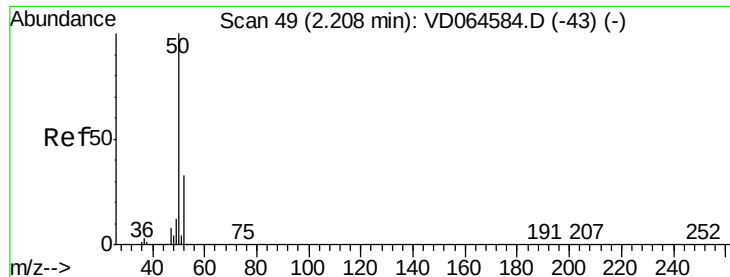
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 46.572 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

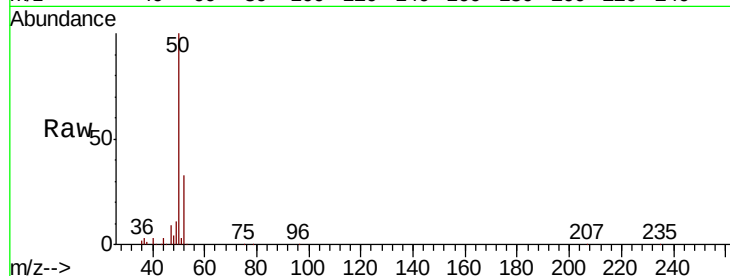
ClientSampled :

Tot Ion: 50 Resp: 179620

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

150000

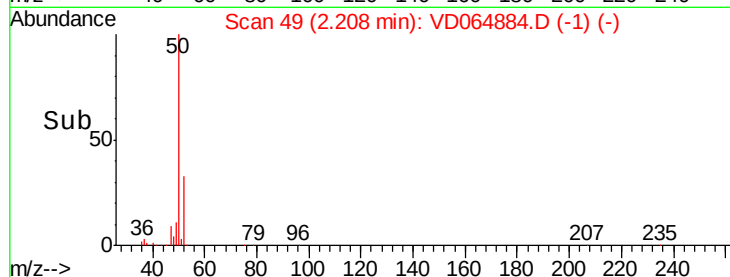
100000

50000

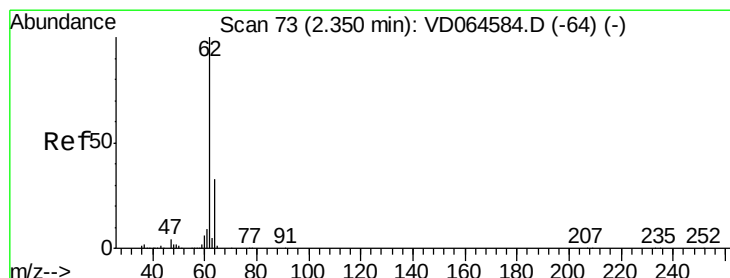
0

2.21

2.15 2.20 2.25 2.30



Time-->



#4

Vinyl Chloride

Concen: 45.756 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064884.D

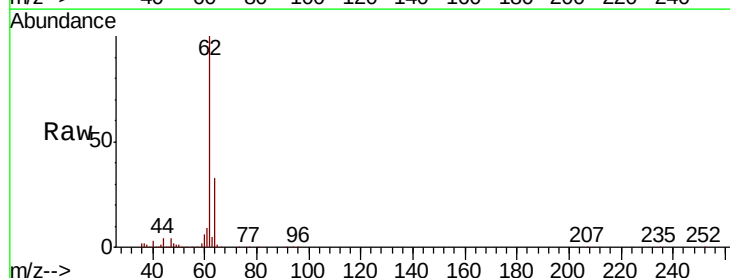
Acq: 20 Jan 2020 12:14

Tgt Ion: 62 Resp: 215170

Ion Ratio Lower Upper

62 100

64 33.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

150000

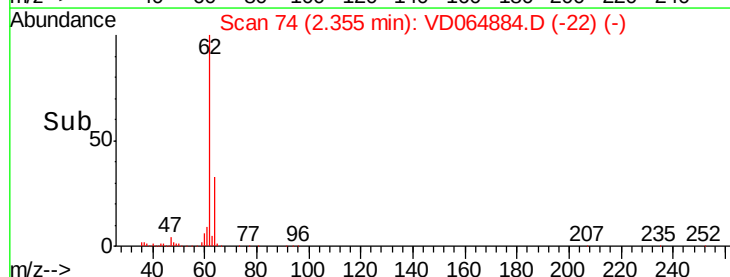
100000

50000

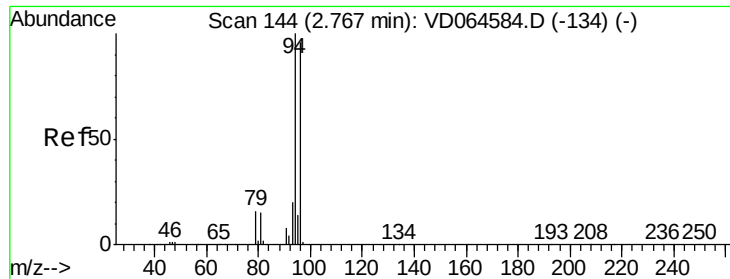
0

2.36

2.30 2.40 2.50



Time-->



#5

Bromomethane

Concen: 42.357 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

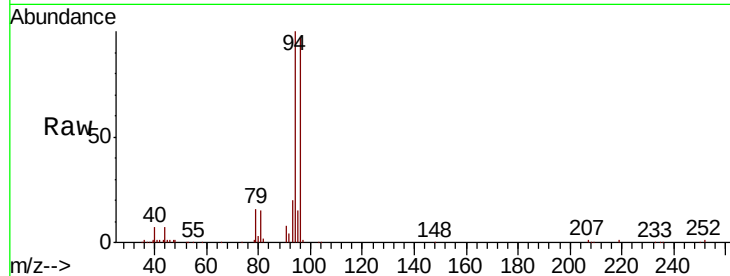
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 144826

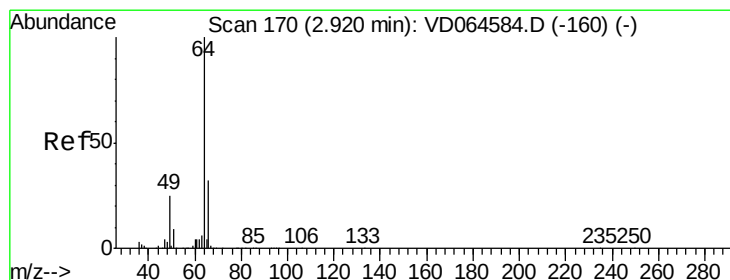
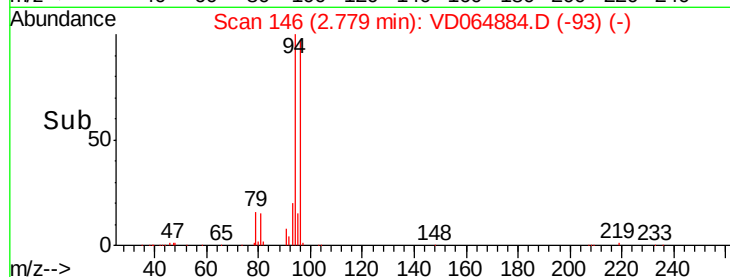
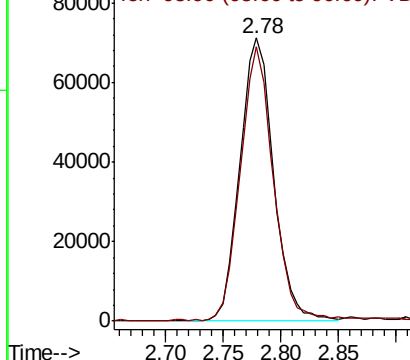
Ion Ratio Lower Upper

94 100

96 97.1 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.400 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD064884.D

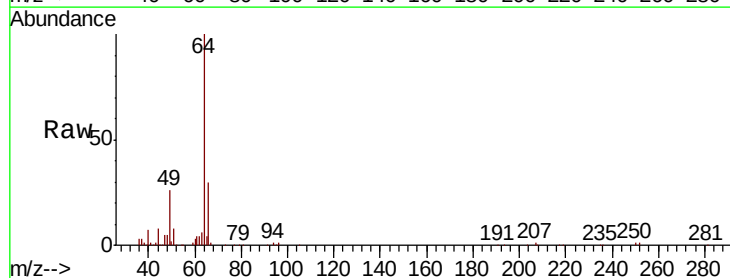
Acq: 20 Jan 2020 12:14

Tgt Ion: 64 Resp: 149354

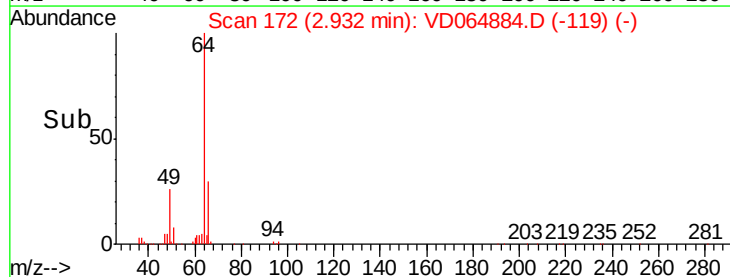
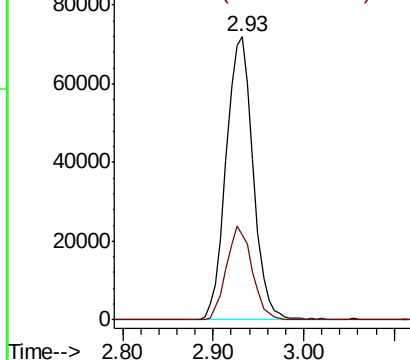
Ion Ratio Lower Upper

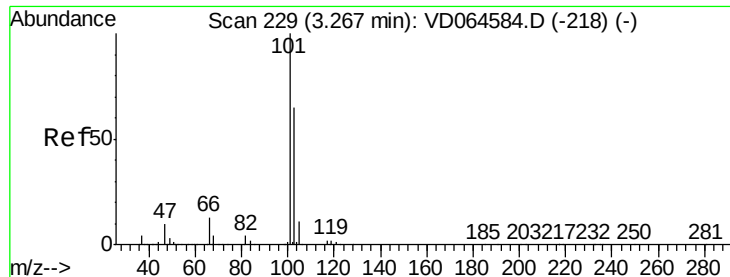
64 100

66 30.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



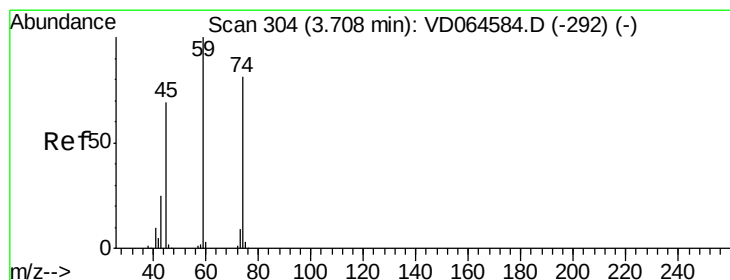
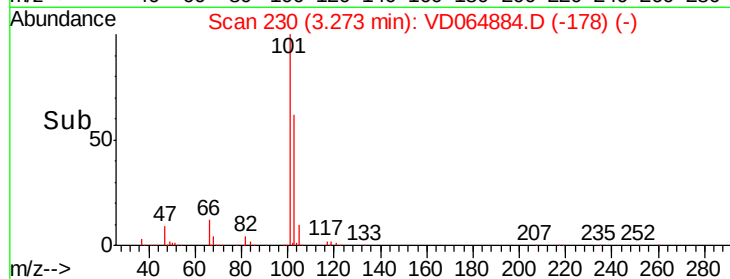
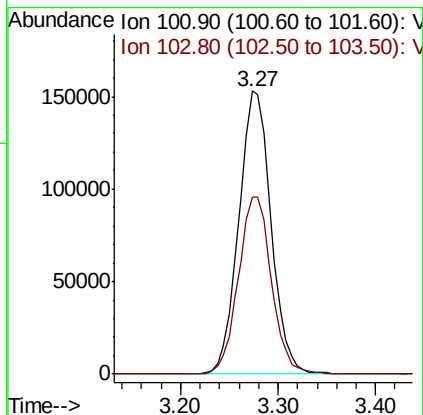
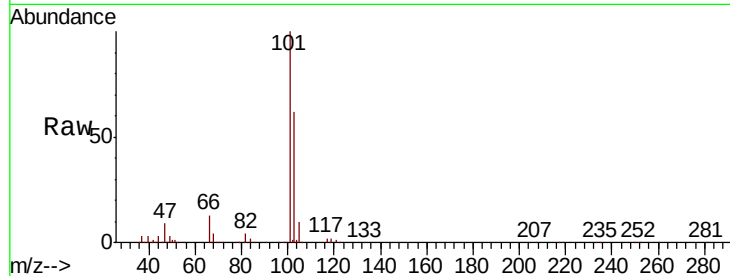


#7

Trichlorofluoromethane
 Concen: 44.685 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

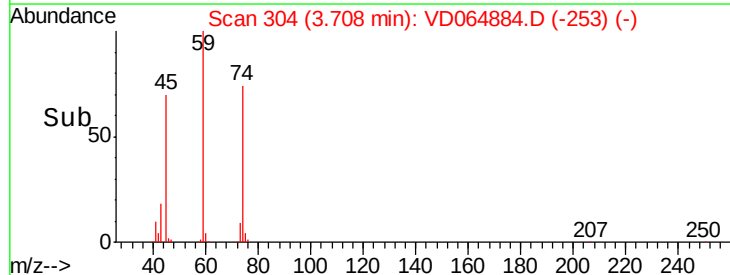
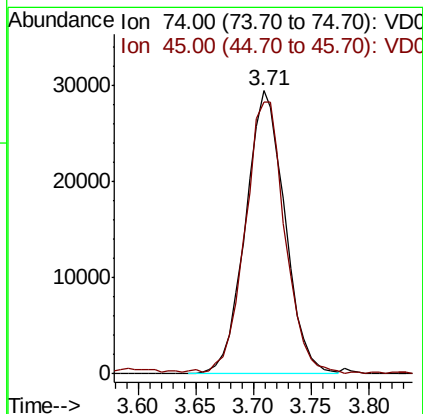
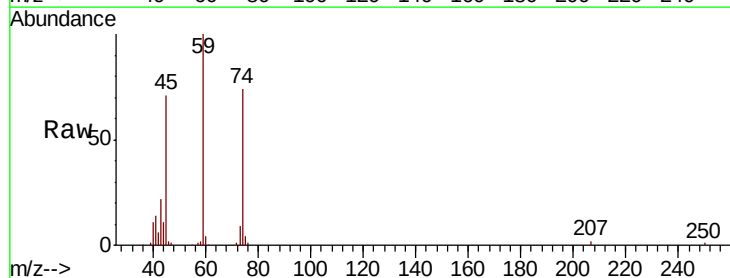
Tot Ion:101 Resp: 353813
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.2 78.4

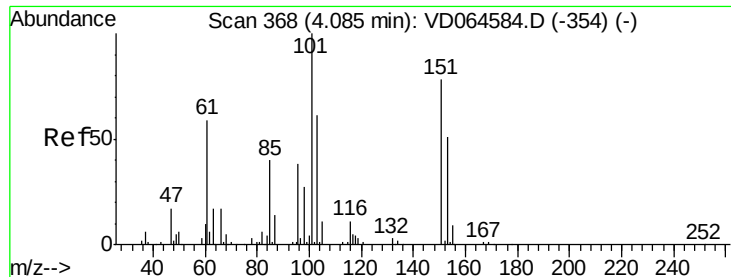


#8

Diethyl Ether
 Concen: 44.447 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 74 Resp: 69885
 Ion Ratio Lower Upper
 74 100
 45 98.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.577 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

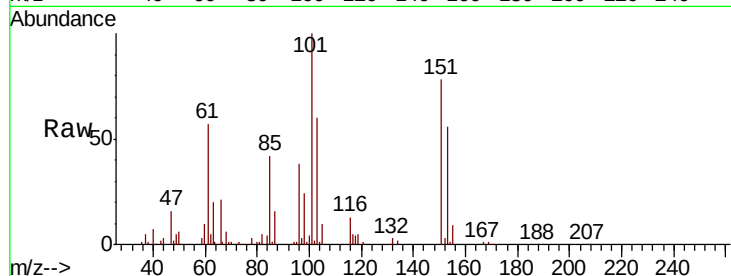
Tot Ion:101 Resp: 162571

Ion Ratio Lower Upper

101 100

85 44.8 35.2 52.8

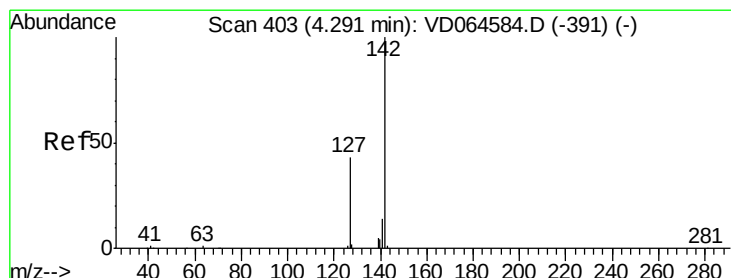
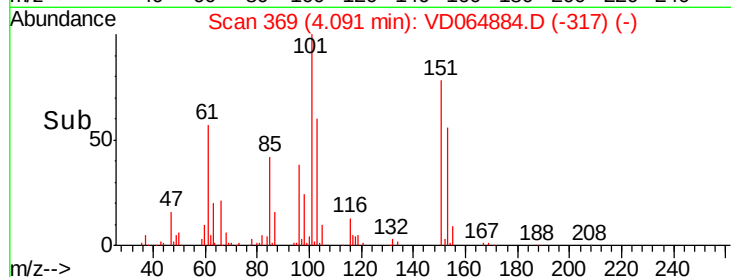
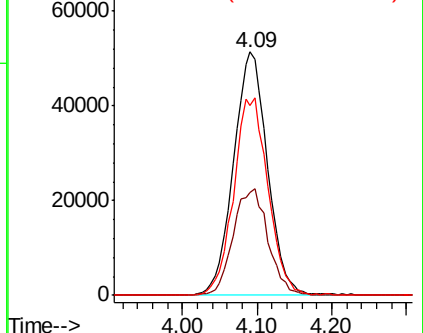
151 82.1 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.145 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

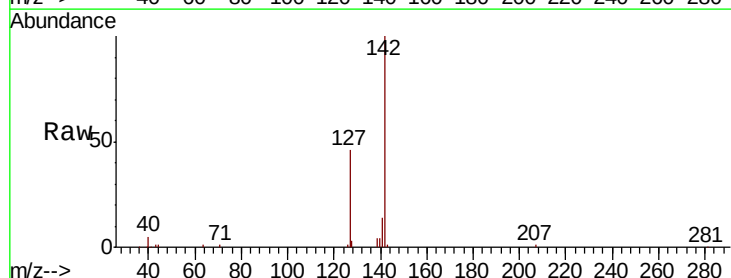
Tgt Ion:142 Resp: 183670

Ion Ratio Lower Upper

142 100

127 45.1 36.2 54.4

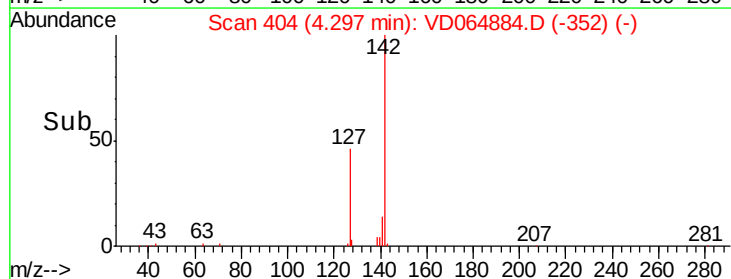
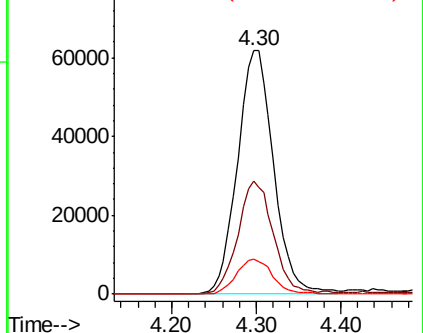
141 14.4 11.8 17.8

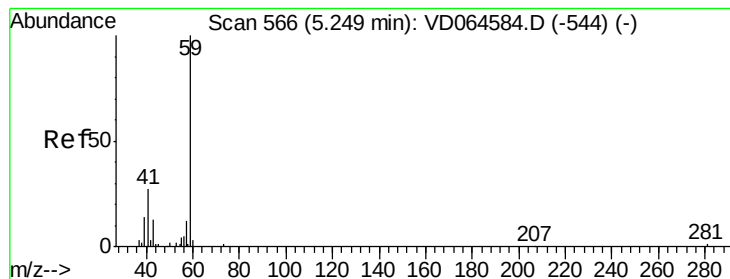


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



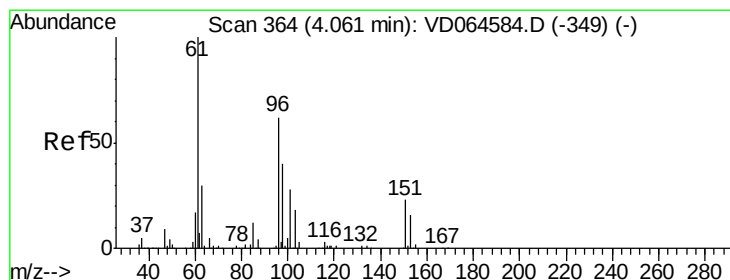
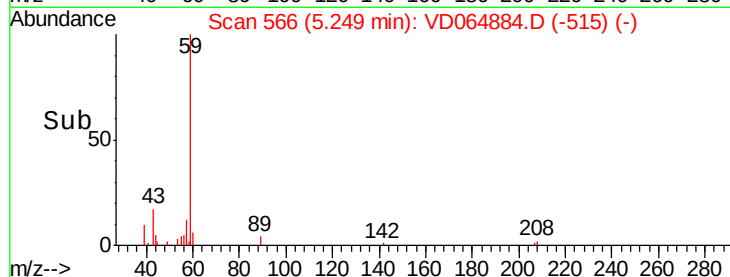
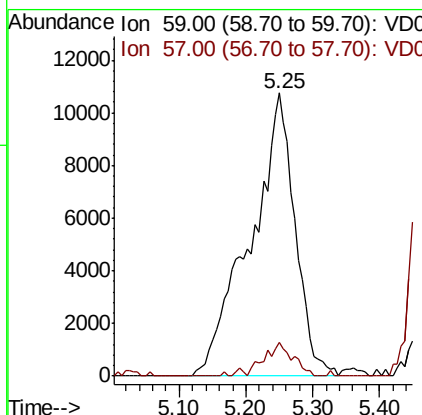
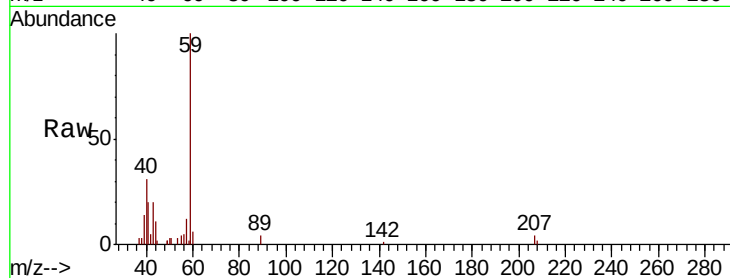


#11

Tert butyl alcohol
 Concen: 279.759 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

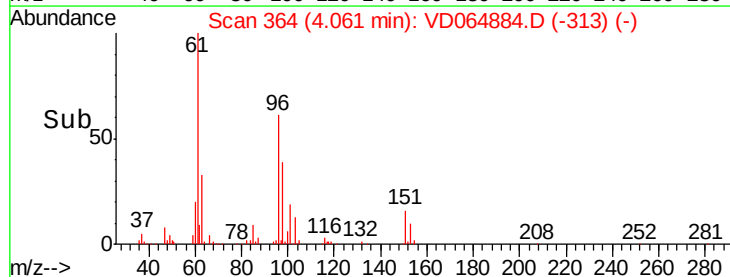
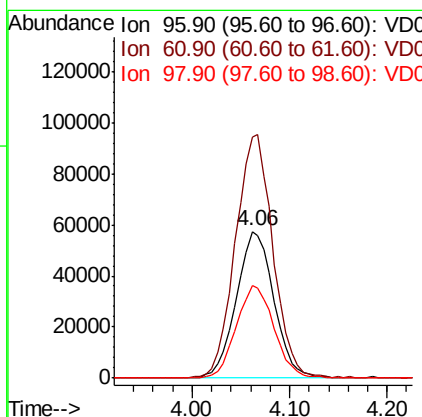
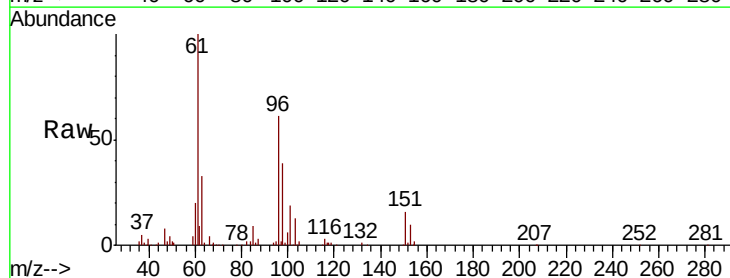
Tot Ion: 59 Resp: 50168
 Ion Ratio Lower Upper
 59 100
 57 7.5 9.3 13.9#

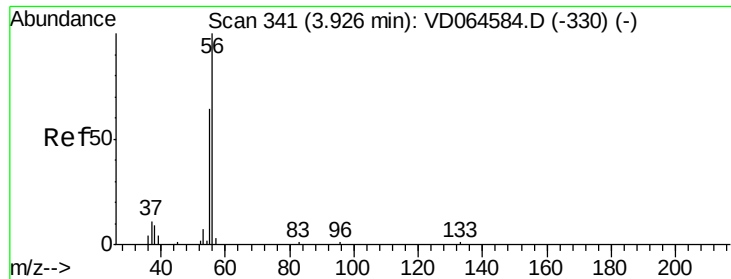


#12

1,1-Dichloroethene
 Concen: 49.414 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 96 Resp: 154267
 Ion Ratio Lower Upper
 96 100
 61 164.2 129.4 194.0
 98 63.5 51.4 77.0





#13

Acrolein

Concen: 79.822 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

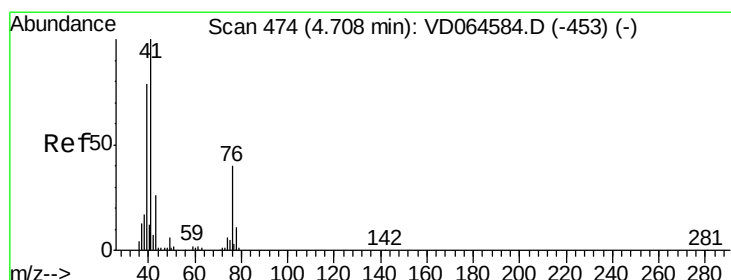
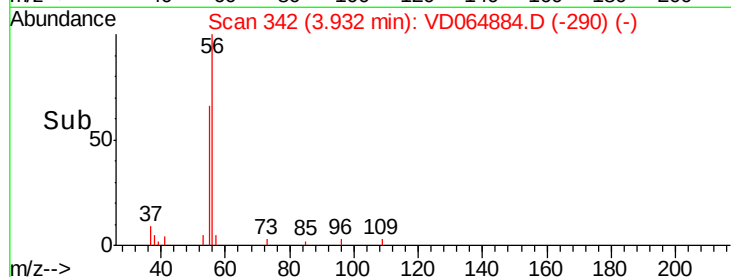
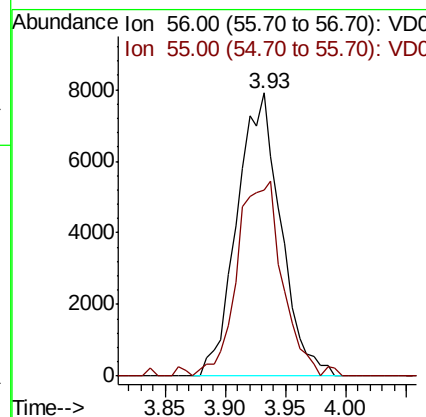
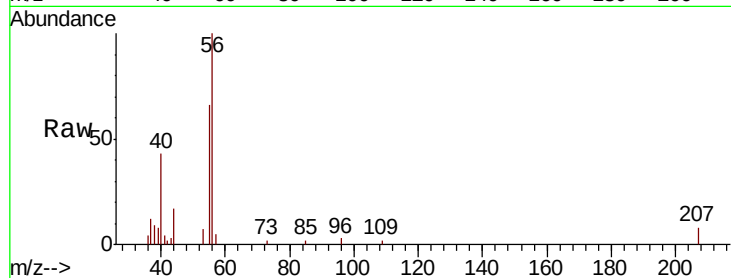
ClientSampleId :

Tot Ion: 56 Resp: 19949

Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1



#14

Allyl chloride

Concen: 53.111 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

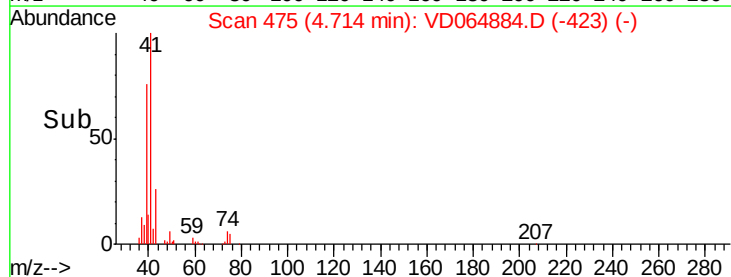
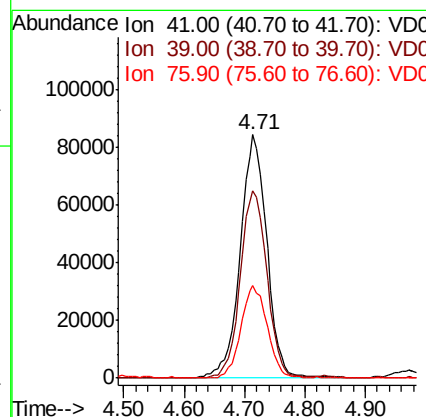
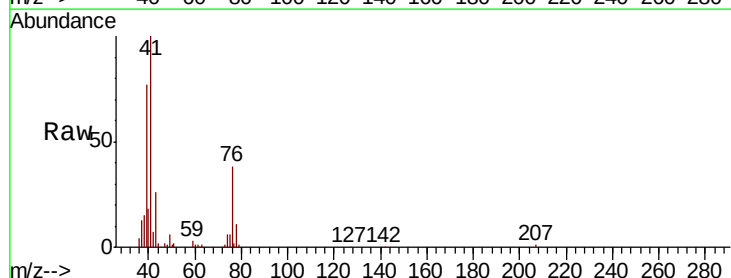
Tgt Ion: 41 Resp: 258517

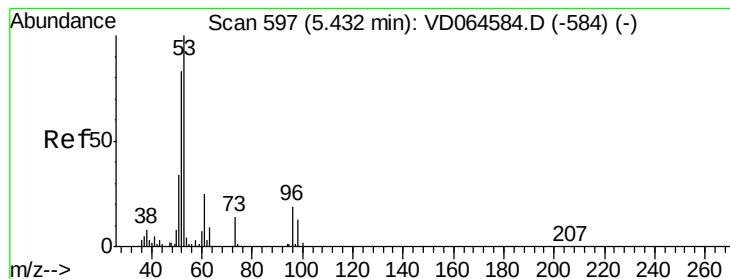
Ion Ratio Lower Upper

41 100

39 77.1 62.3 93.5

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 202.869 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

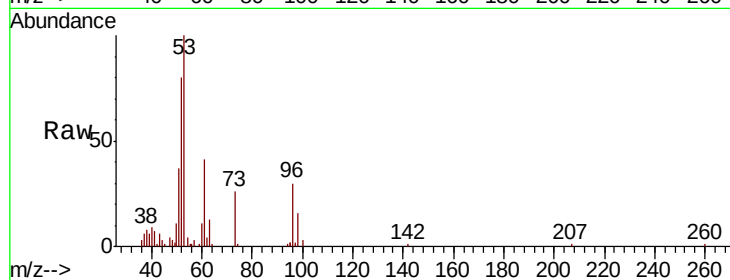
Tot Ion: 53 Resp: 132865

Ion Ratio Lower Upper

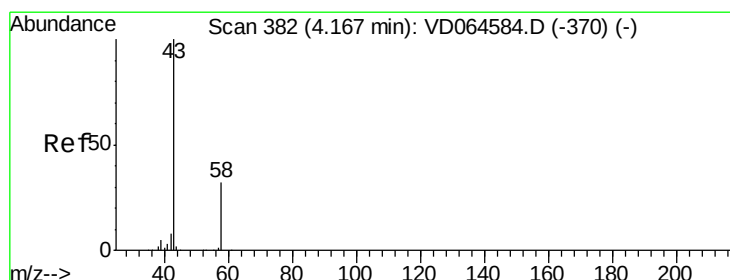
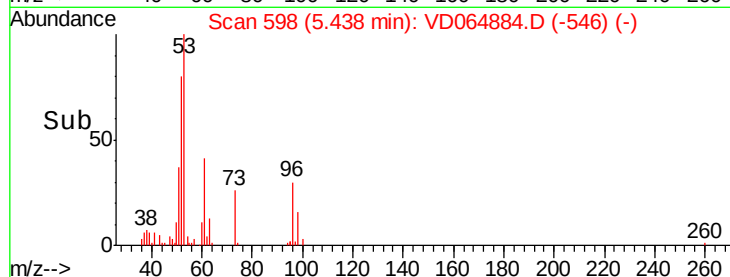
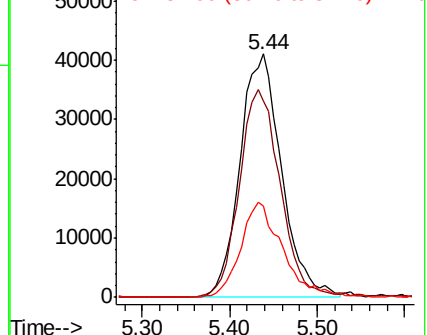
53 100

52 84.3 66.2 99.2

51 39.2 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: 248.665 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064884.D

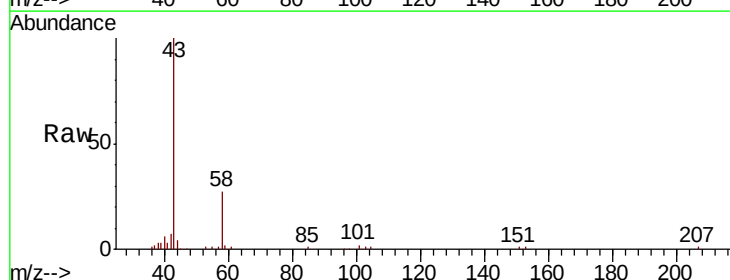
Acq: 20 Jan 2020 12:14

Tgt Ion: 43 Resp: 163915

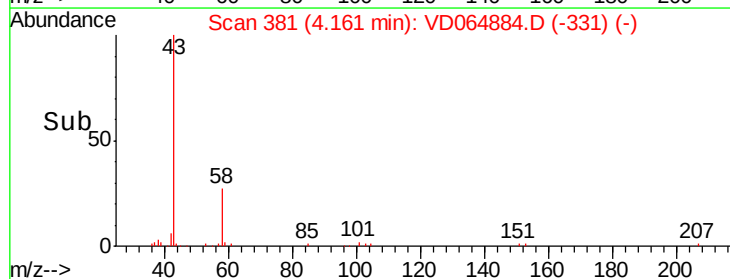
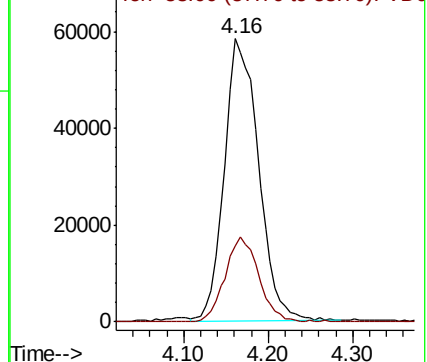
Ion Ratio Lower Upper

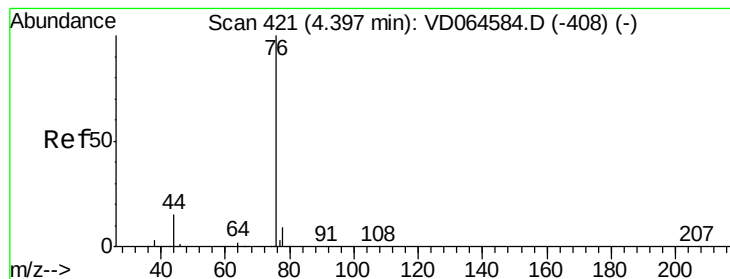
43 100

58 26.9 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: 43.628 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

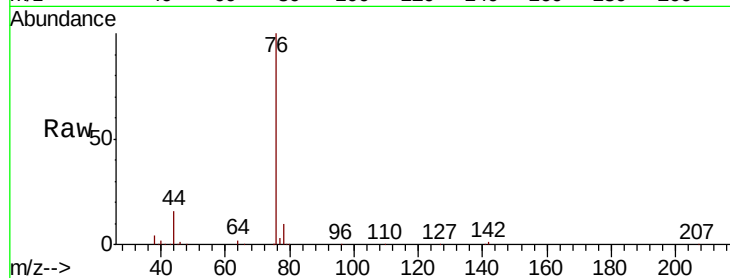
ClientSampleId :

Tot Ion: 76 Resp: 440414

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

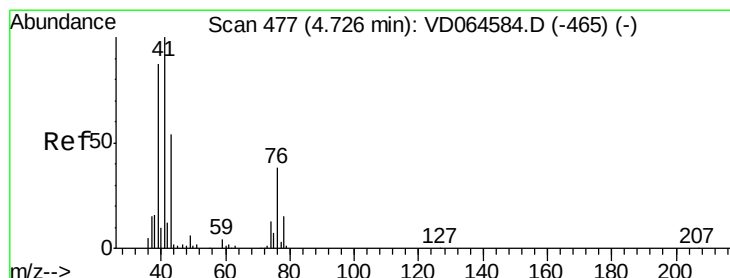
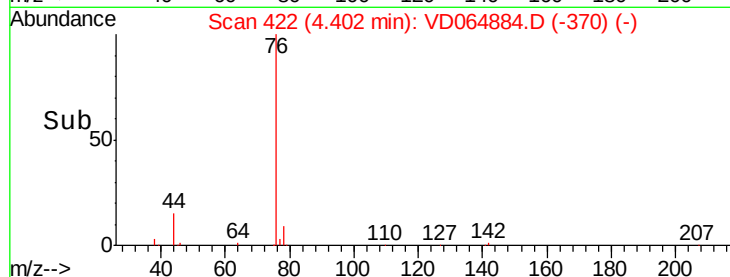
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.739 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064884.D

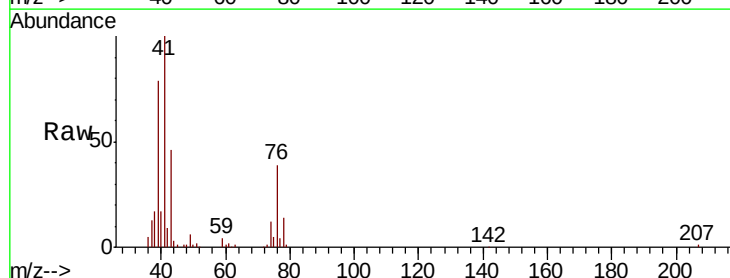
Acq: 20 Jan 2020 12:14

Tgt Ion: 43 Resp: 85859

Ion Ratio Lower Upper

43 100

74 23.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

30000

25000

20000

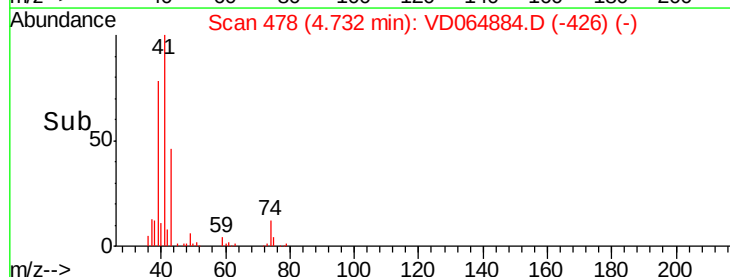
15000

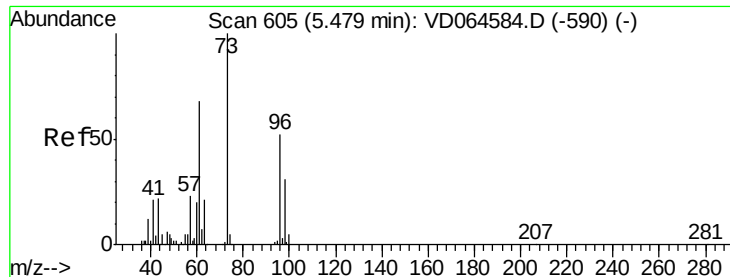
10000

5000

0

Time-->



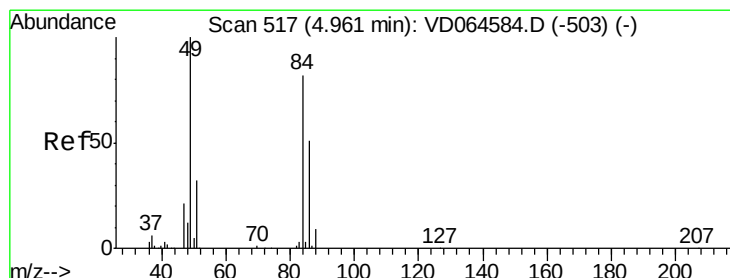
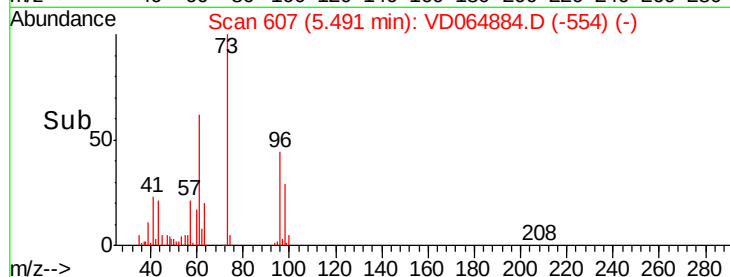
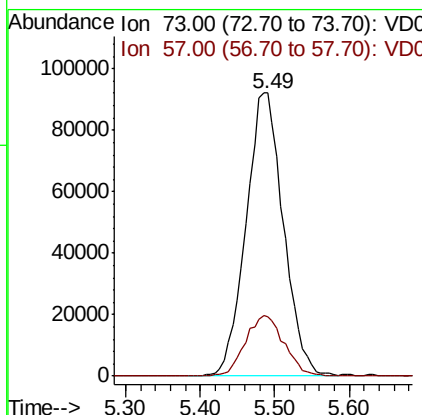
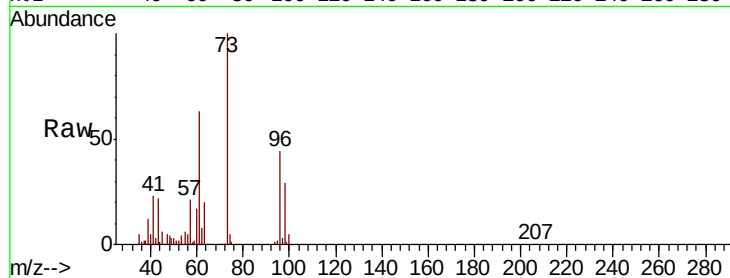


#19

Methyl tert-butyl Ether
 Concen: 46.191 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

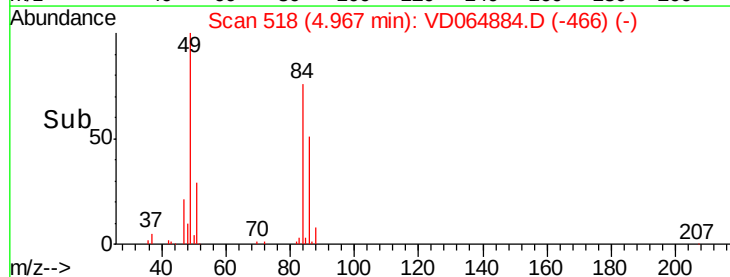
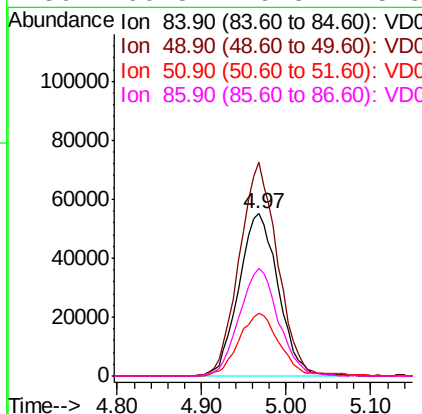
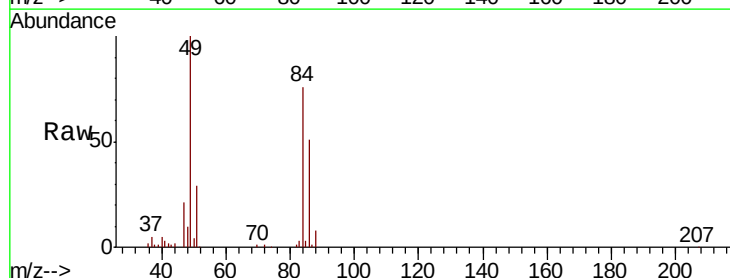
Tot Ion: 73 Resp: 320299
 Ion Ratio Lower Upper
 73 100
 57 21.0 18.6 27.8

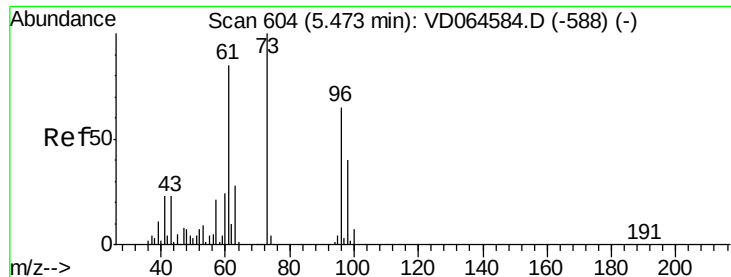


#20

Methylene Chloride
 Concen: 56.158 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 84 Resp: 177786
 Ion Ratio Lower Upper
 84 100
 49 131.8 97.2 145.8
 51 38.6 31.4 47.0
 86 66.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.377 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampled :

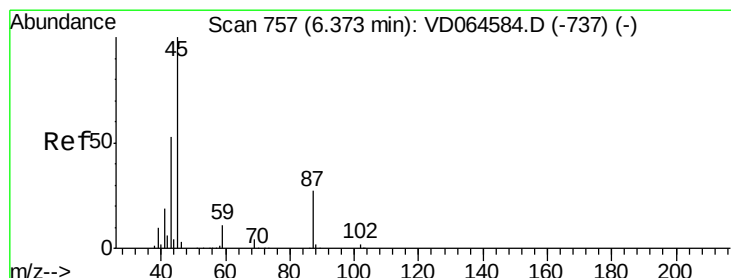
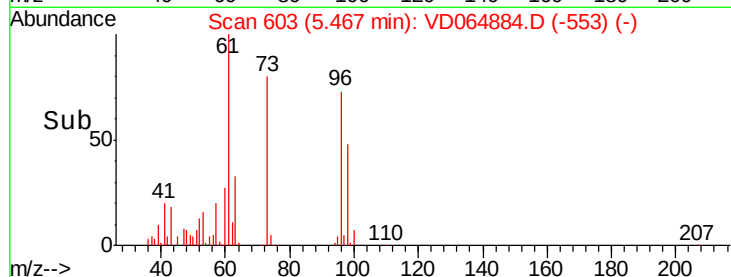
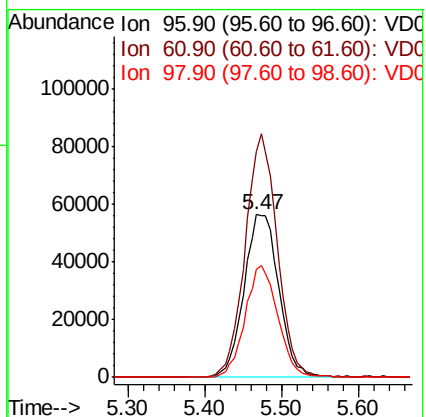
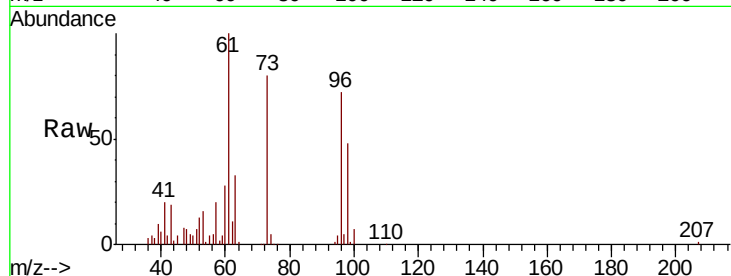
Tot Ion: 96 Resp: 179110

Ion Ratio Lower Upper

96 100

61 138.4 104.7 157.1

98 66.2 49.4 74.2



#22

Diisopropyl ether

Concen: 53.384 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion: 45 Resp: 518286

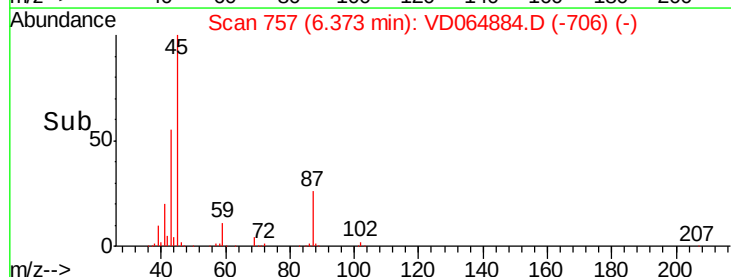
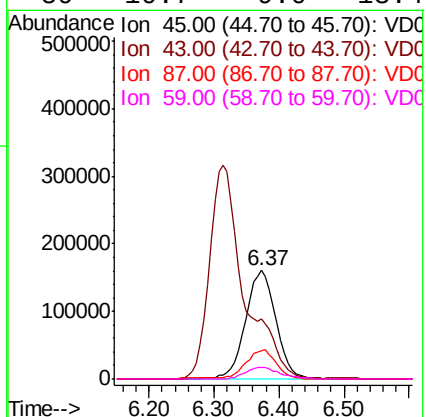
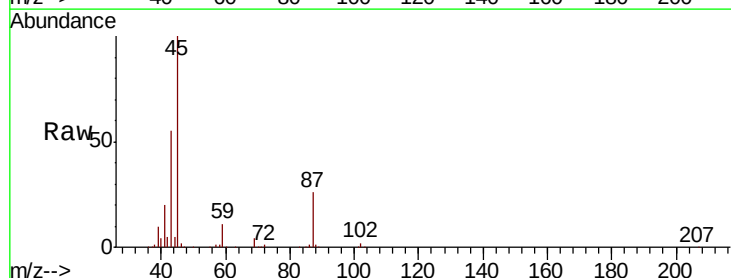
Ion Ratio Lower Upper

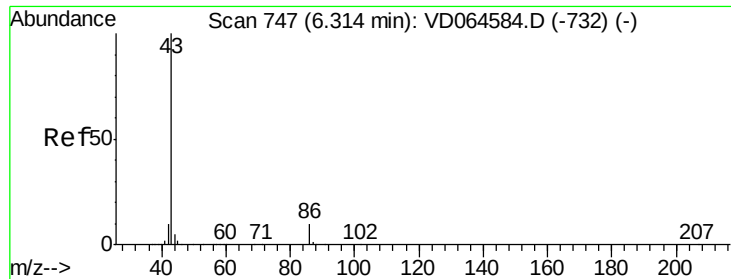
45 100

43 54.3 43.2 64.8

87 25.9 21.9 32.9

59 10.7 9.0 13.4





#23

Vinyl Acetate

Concen: 211.183 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

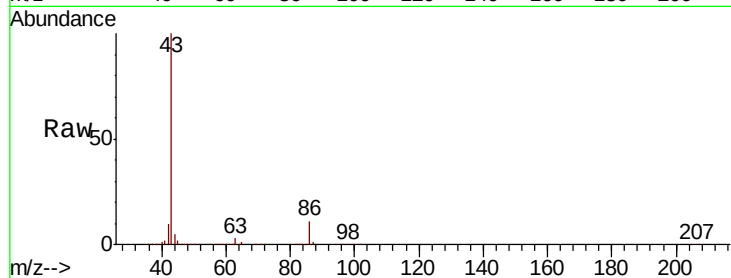
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1163050

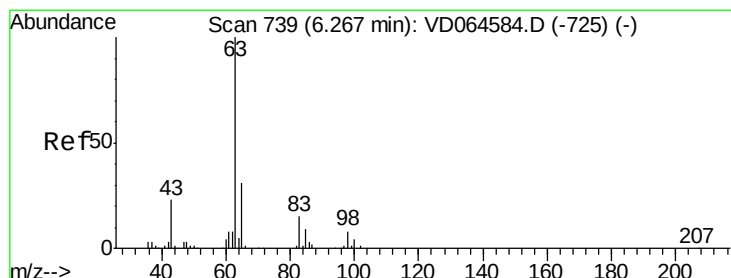
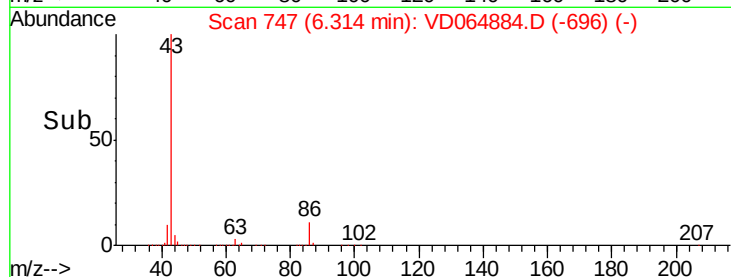
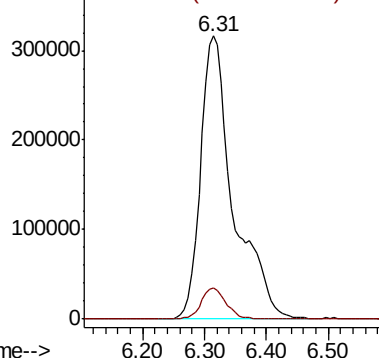
Ion Ratio Lower Upper

43 100

86 11.1 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: 55.034 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

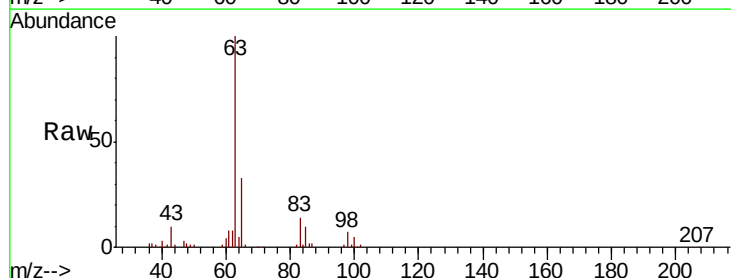
Tgt Ion: 63 Resp: 320756

Ion Ratio Lower Upper

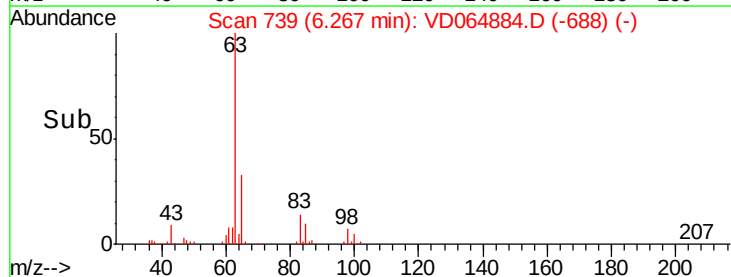
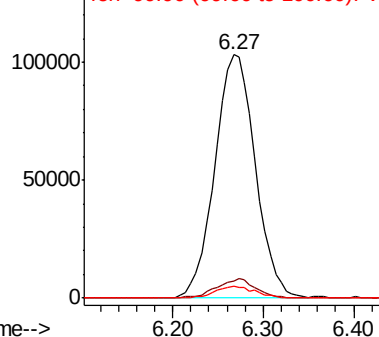
63 100

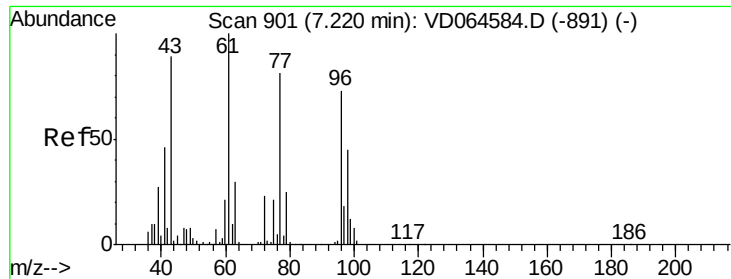
98 7.2 4.1 12.3

100 5.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 218.707 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

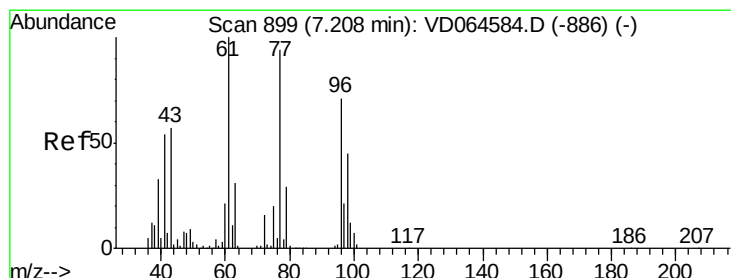
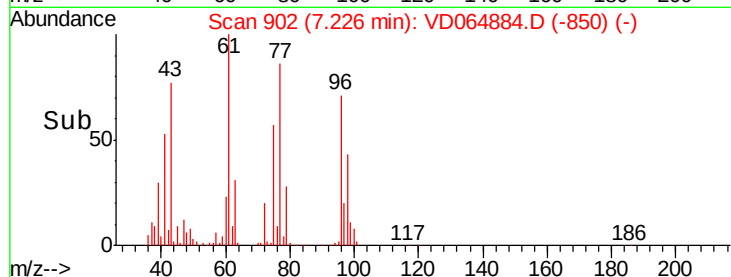
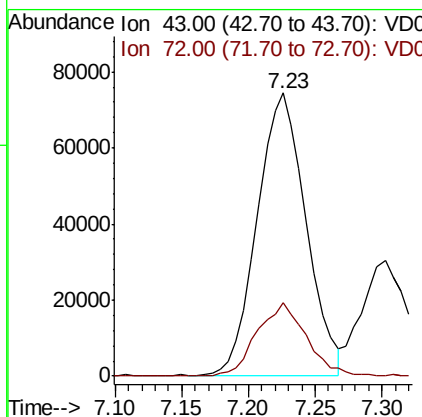
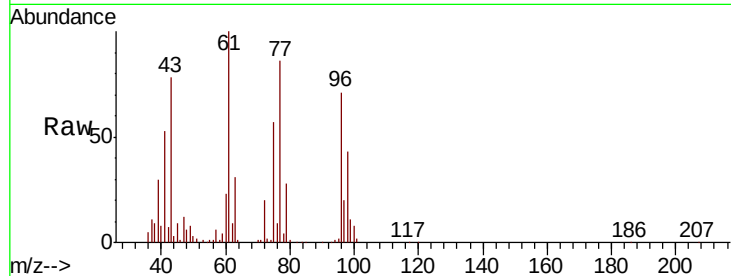
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 188109

Ion Ratio Lower Upper

43 100

72 25.8 20.7 31.1



#26

2,2-Dichloropropane

Concen: 55.462 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064884.D

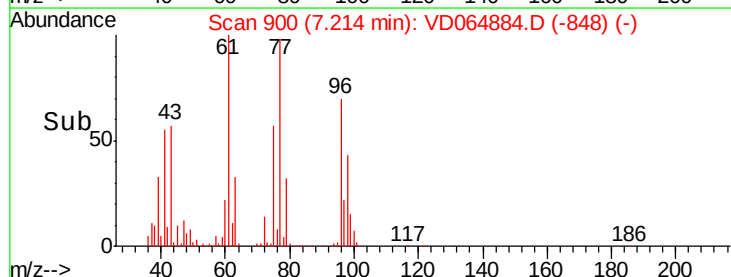
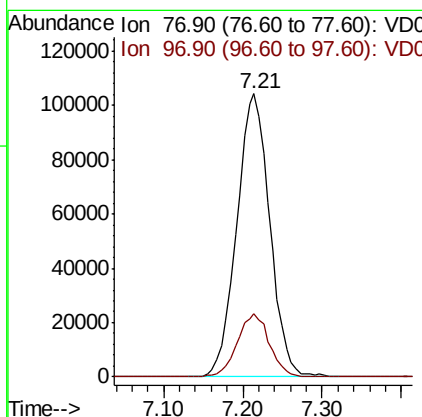
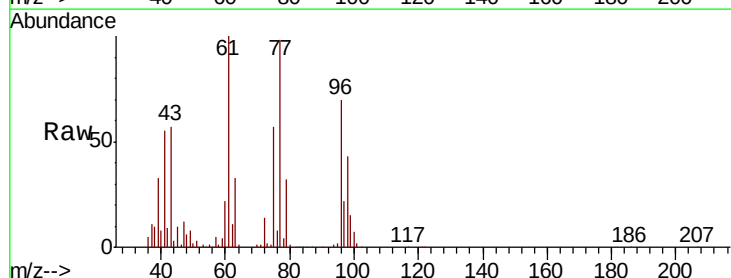
Acq: 20 Jan 2020 12:14

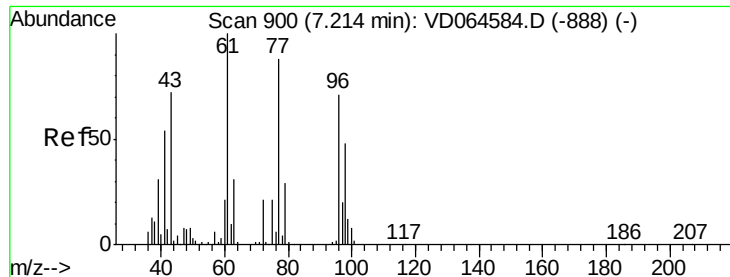
Tgt Ion: 77 Resp: 300548

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.6



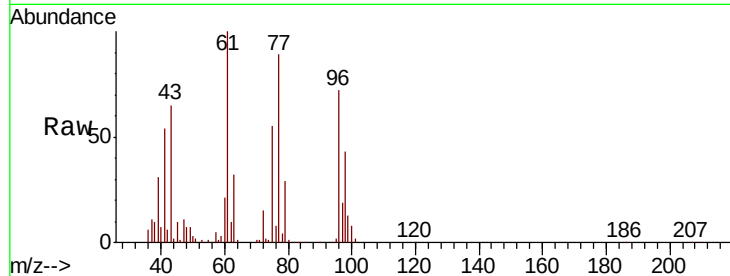


#27

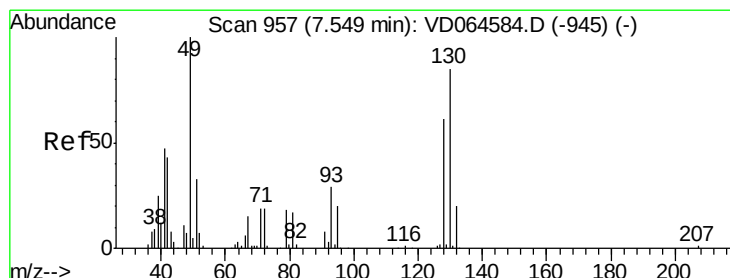
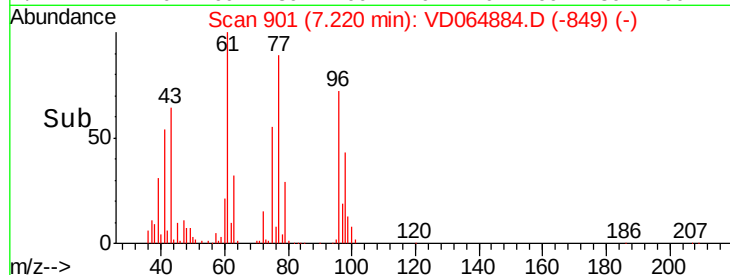
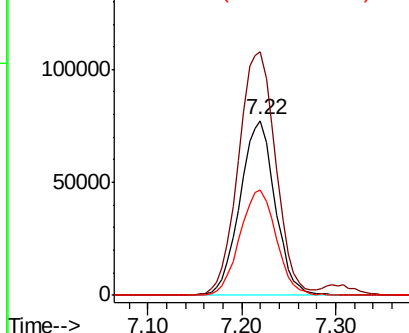
cis-1,2-Dichloroethene
Concen: 52.214 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	200350
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	282.6
98	62.7	0.0	130.8



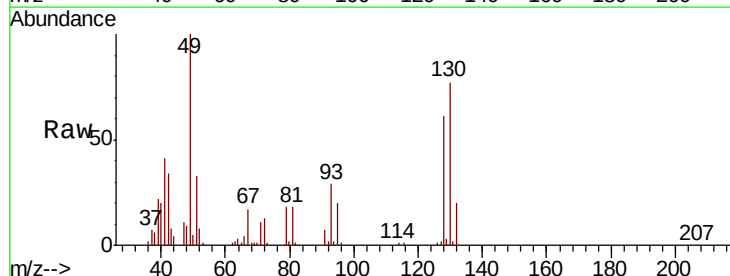
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



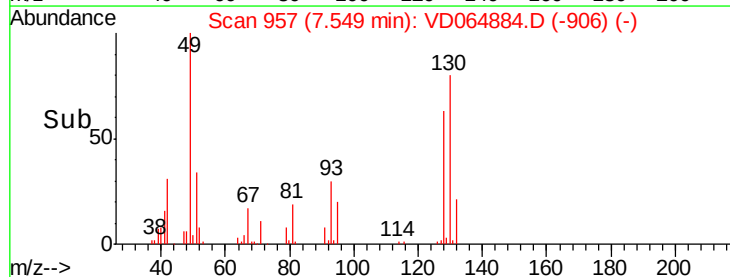
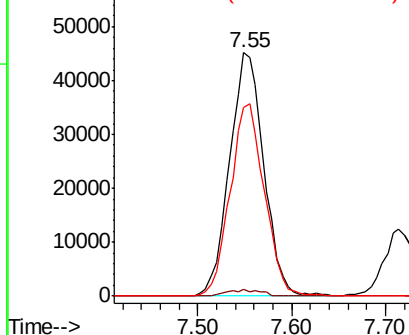
#28

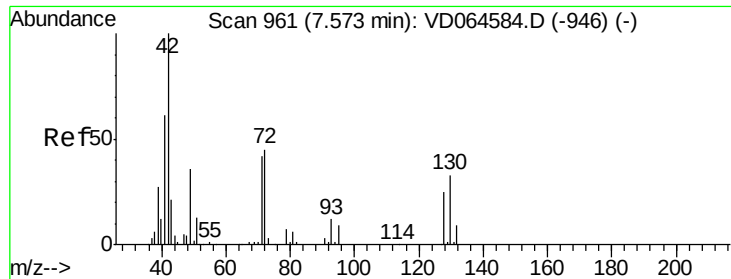
Bromochloromethane
Concen: 50.313 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	49	Resp	113993
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.8
130	79.2	65.0	97.6



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

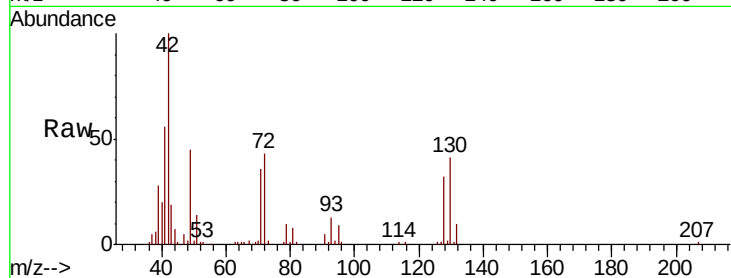




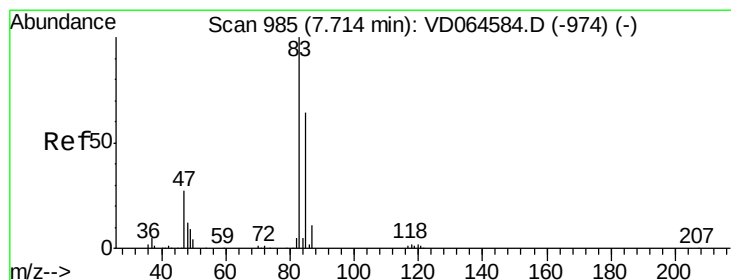
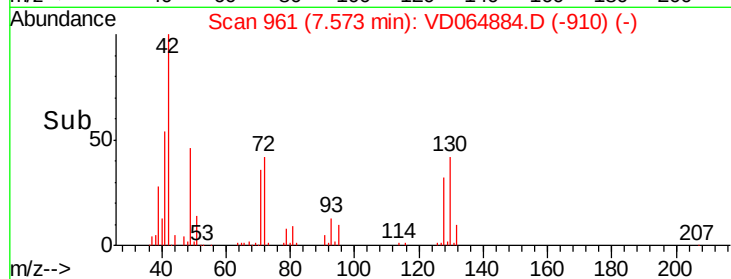
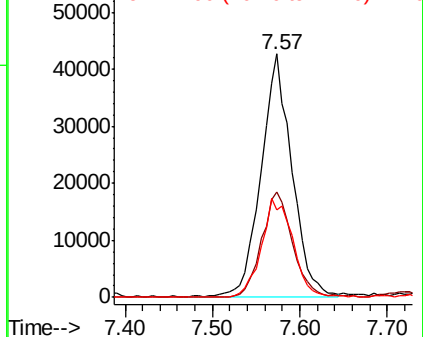
#29
Tetrahydrofuran
Concen: 195.187 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 104400
Ion Ratio Lower Upper
42 100
72 43.5 35.0 52.4
71 41.2 32.9 49.3

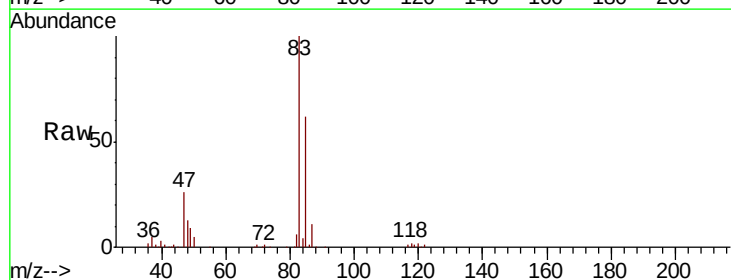


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

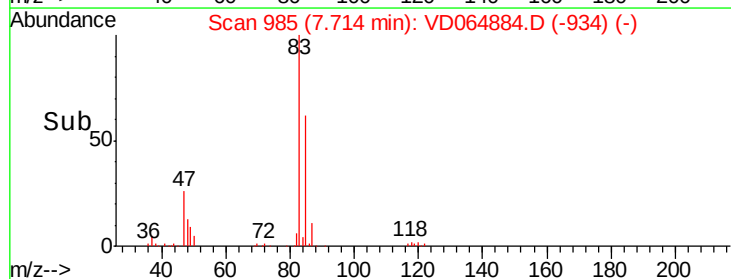
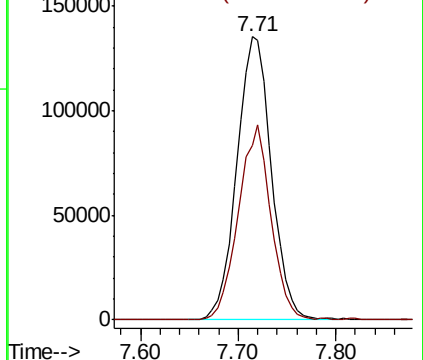


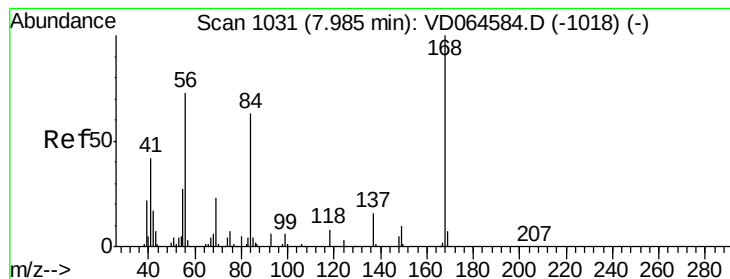
#30
Chloroform
Concen: 54.676 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 83 Resp: 334339
Ion Ratio Lower Upper
83 100
85 61.7 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: 46.228 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

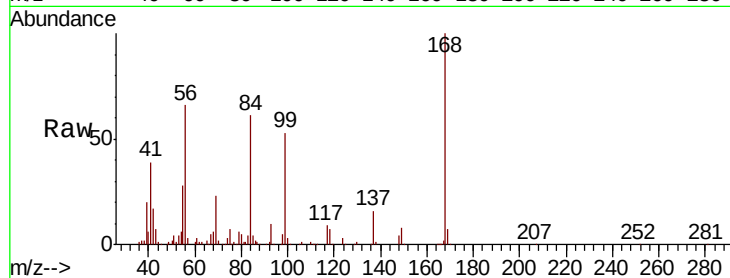
Tot Ion: 56 Resp: 269702

Ion Ratio Lower Upper

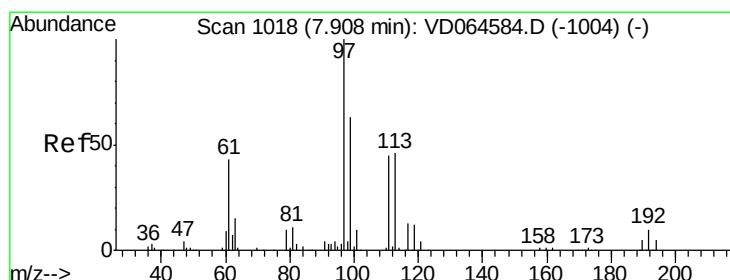
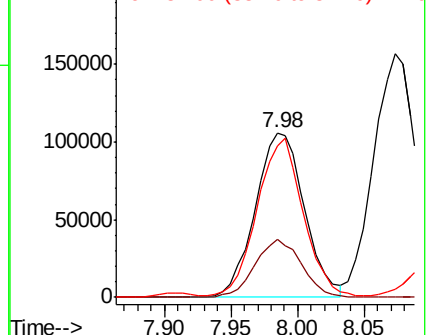
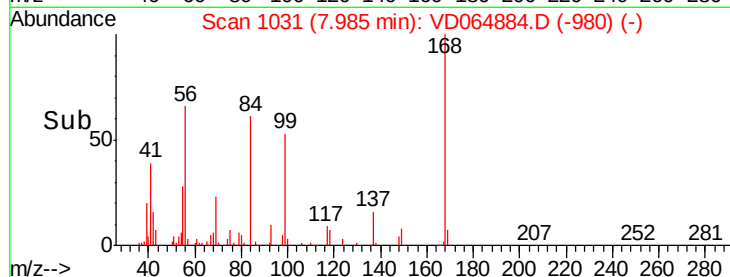
56 100

69 34.9 24.7 37.1

84 90.8 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: 54.795 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

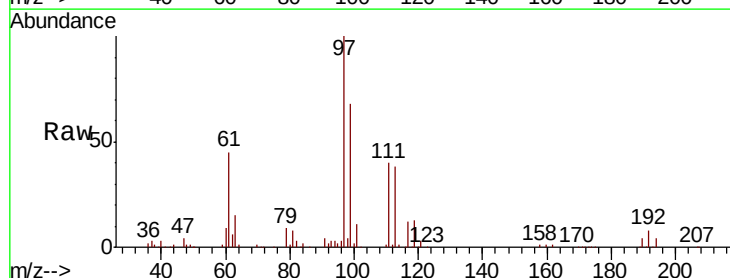
Tgt Ion: 97 Resp: 314717

Ion Ratio Lower Upper

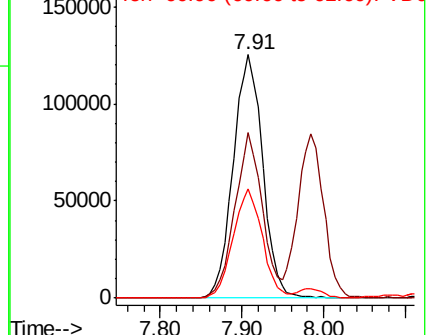
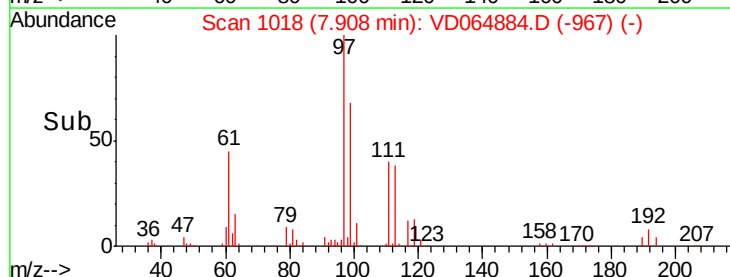
97 100

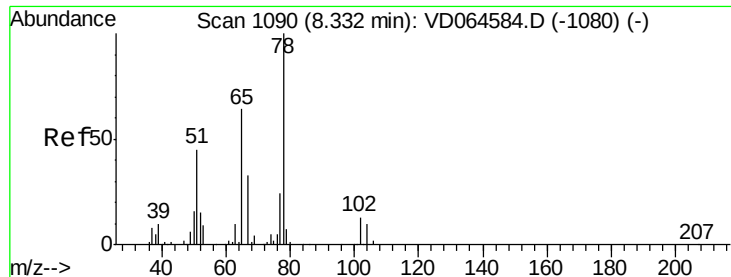
99 63.8 51.0 76.6

61 44.3 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

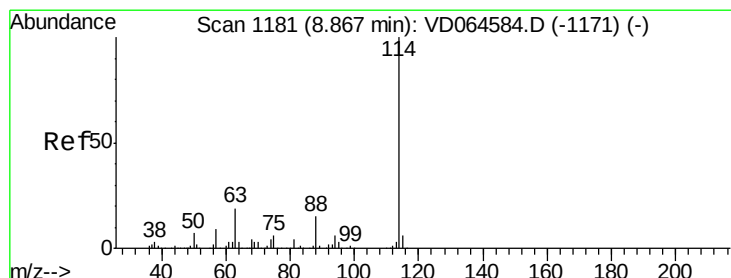
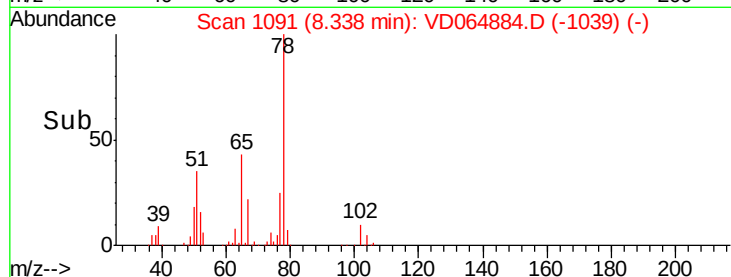
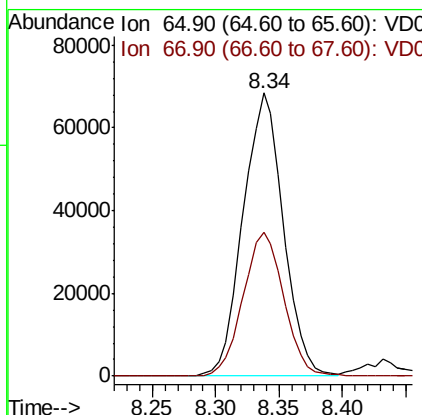
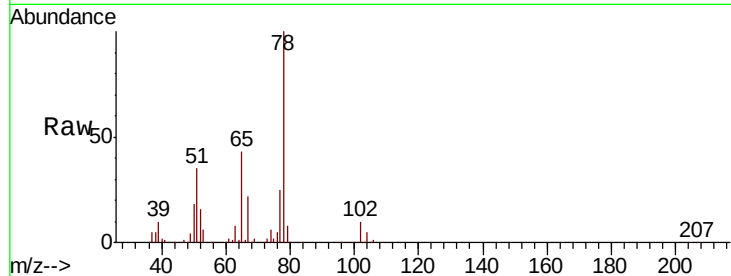




#33
 1,2-Dichloroethane-d4
 Concen: 48.274 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

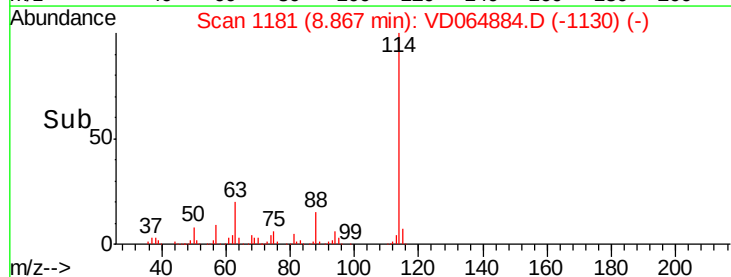
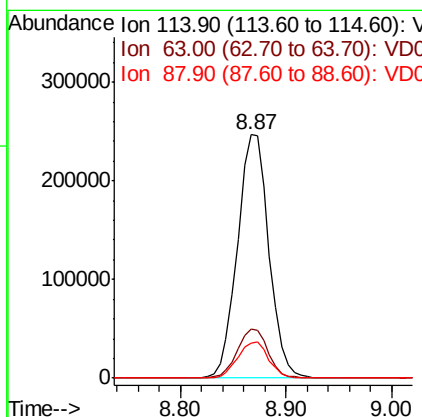
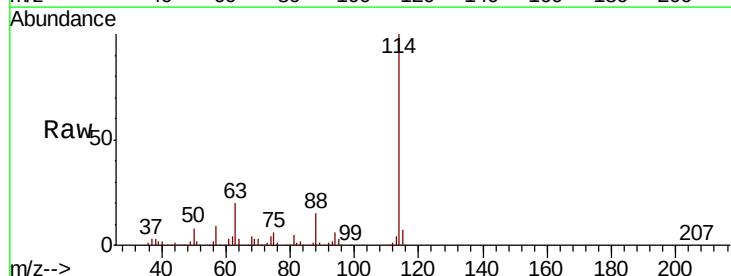
Instrument :
 MSVOA_D
 ClientSampleId :

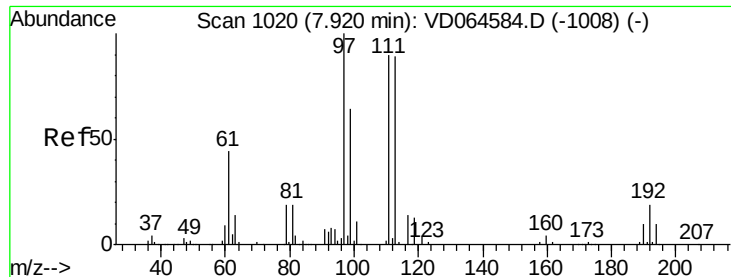
Tot Ion: 65 Resp: 151051
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion:114 Resp: 509758
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 14.5 0.0 29.2

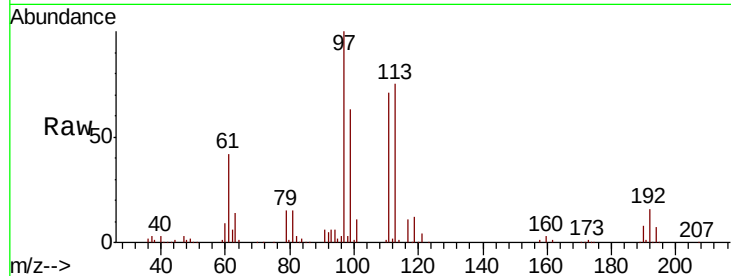




#35
 Dibromofluoromethane
 Concen: 53.030 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.6	121.0
192	21.8	17.9	26.9

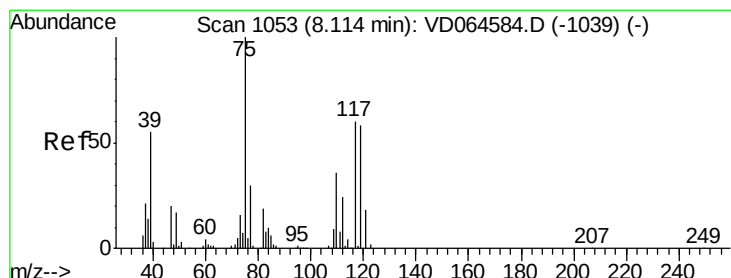
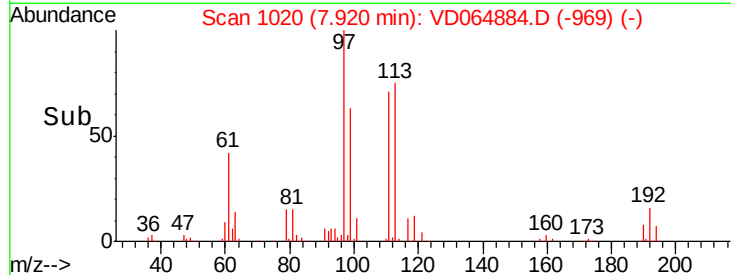
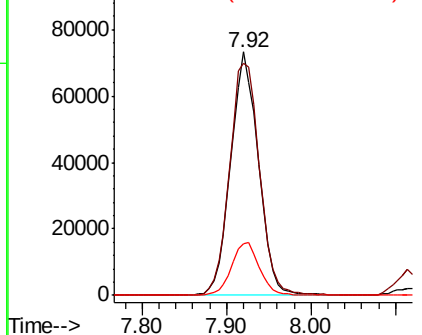


Abundance

Ion 112.80 (112.50 to 113.50): V

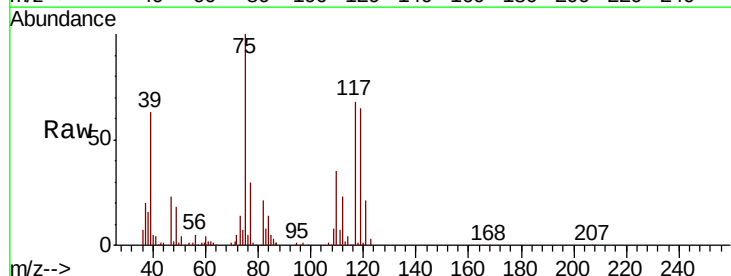
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 51.911 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	31.3	24.2	36.4

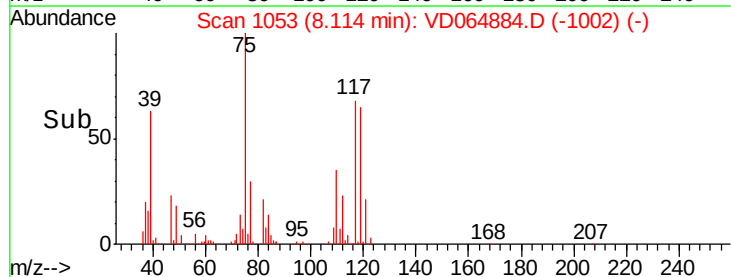
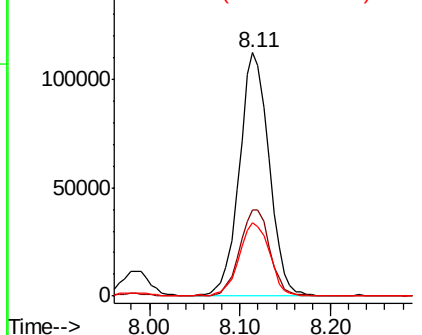


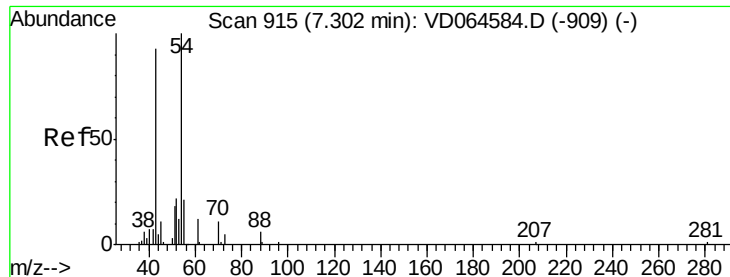
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 39.450 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampled :

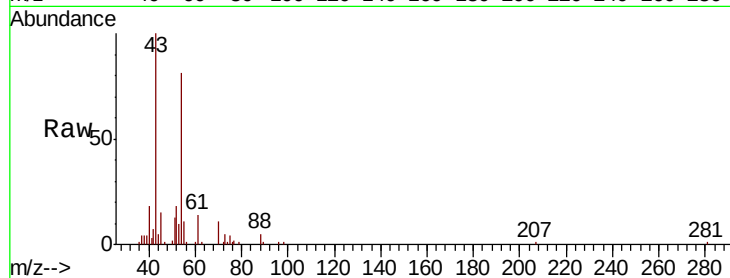
Tot Ion: 43 Resp: 76039

Ion Ratio Lower Upper

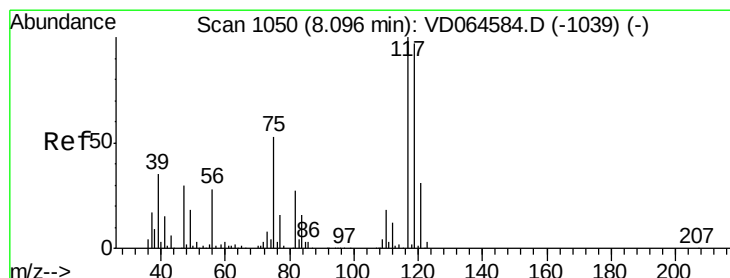
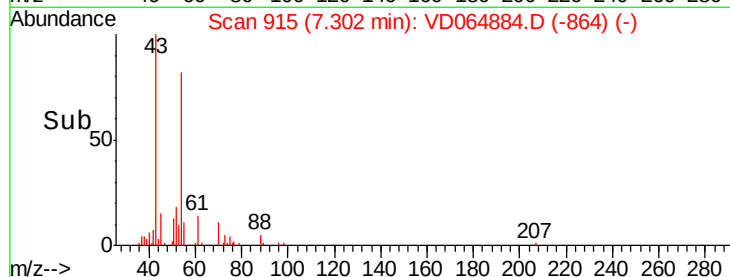
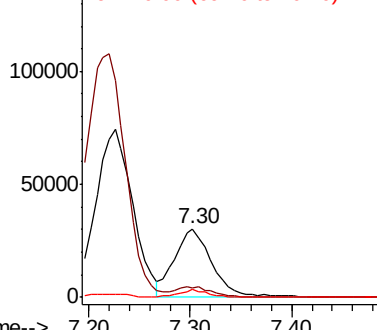
43 100

61 14.3 10.3 15.5

70 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 54.731 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

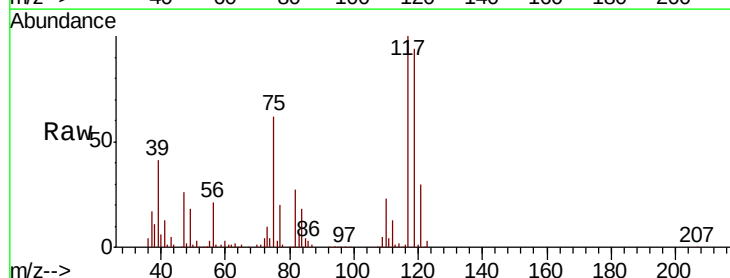
Tgt Ion: 117 Resp: 286335

Ion Ratio Lower Upper

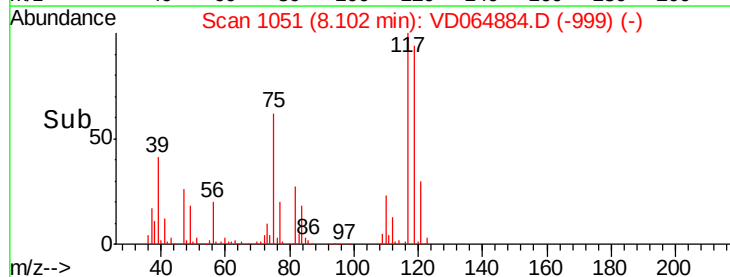
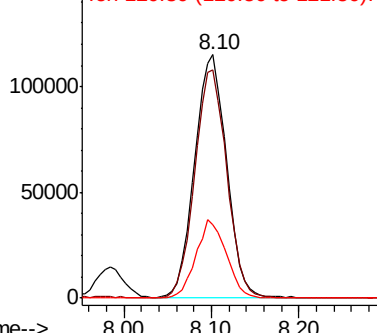
117 100

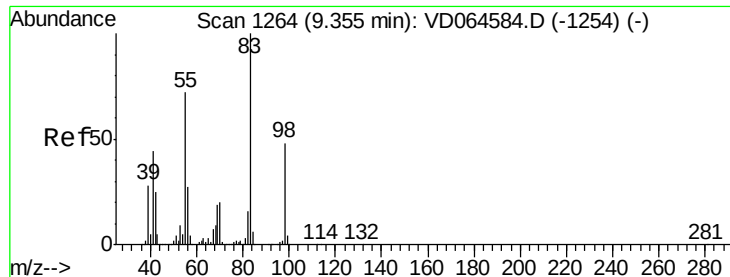
119 93.5 77.3 115.9

121 30.3 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

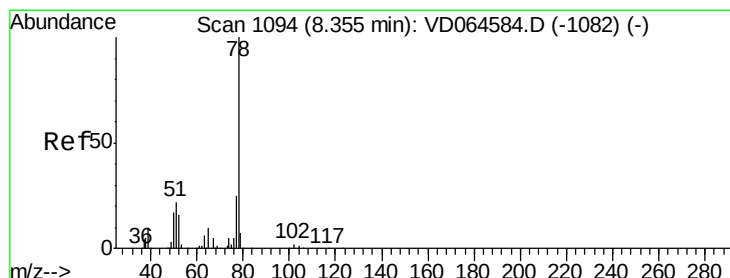
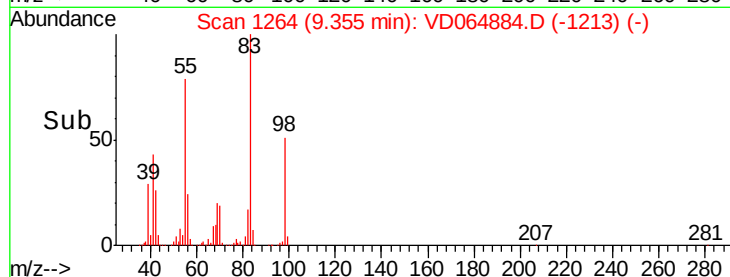
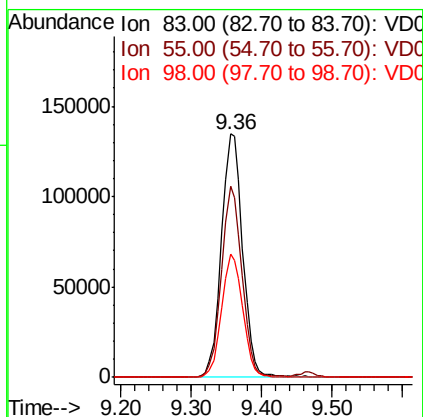
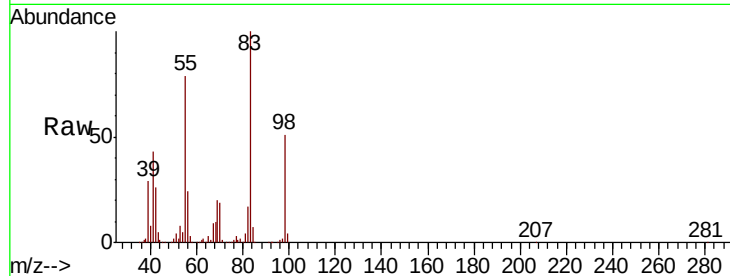




#39
Methylvlcyclohexane
Concen: 47.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

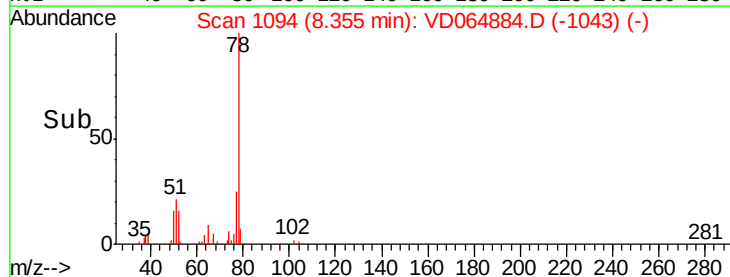
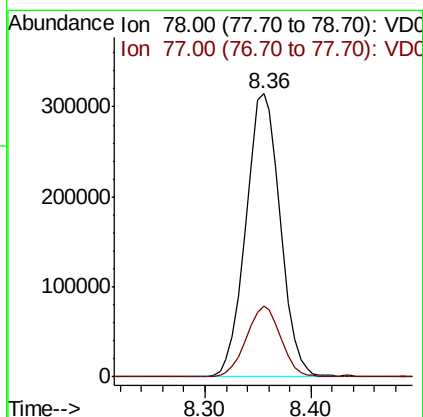
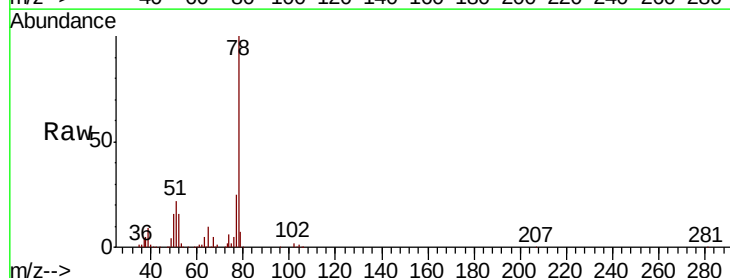
Instrument :
MSVOA_D
ClientSampleId :

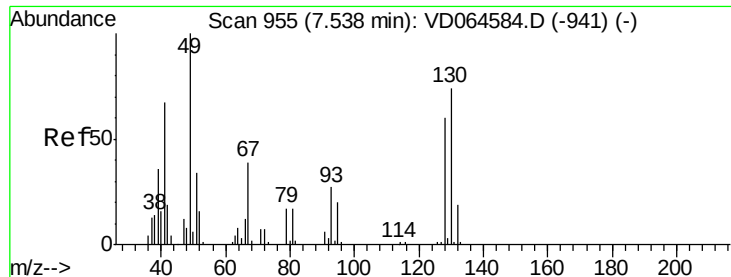
Tot Ion: 83 Resp: 282503
Ion Ratio Lower Upper
83 100
55 78.7 57.8 86.6
98 50.8 38.7 58.1



#40
Benzene
Concen: 53.400 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 78 Resp: 715232
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

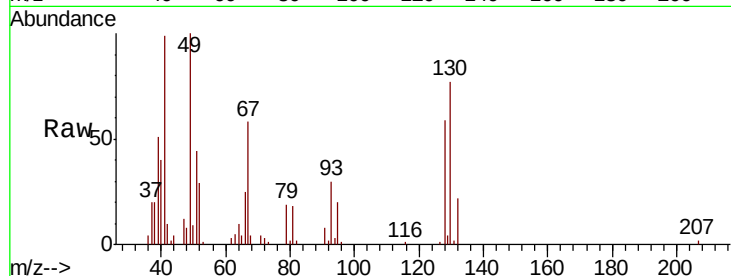




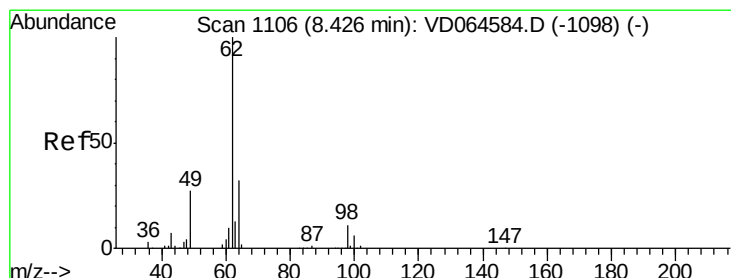
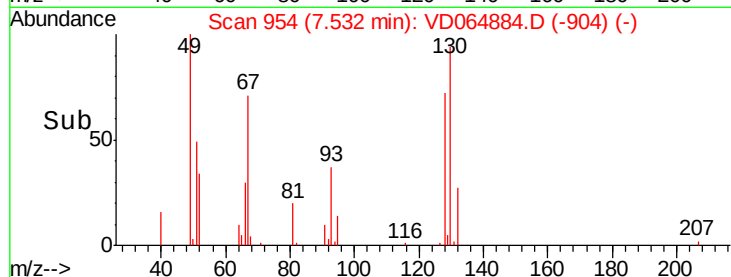
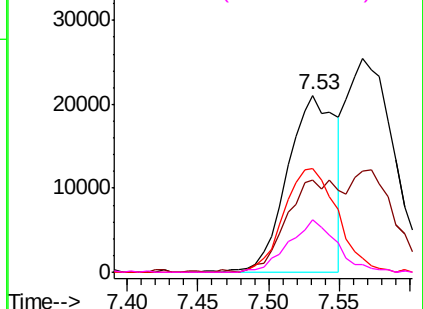
#41
Methacrylonitrile
Concen: 45.023 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	50351
Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.7	70.1
67	64.8	52.5	78.7
52	29.6	24.1	36.1

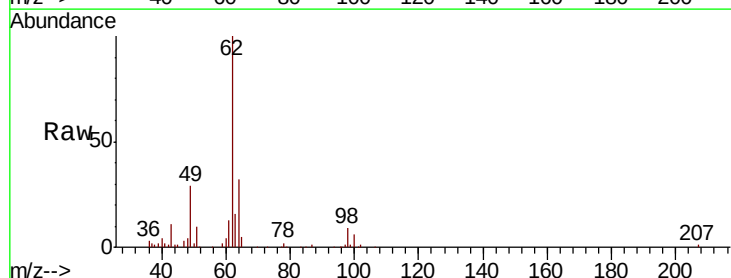


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

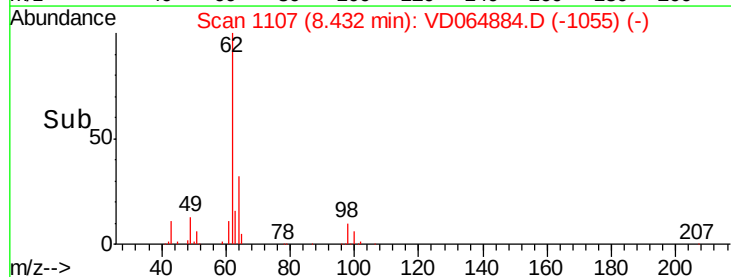
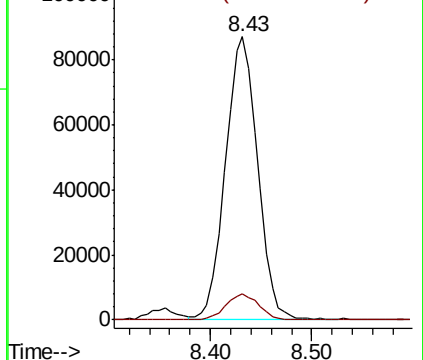


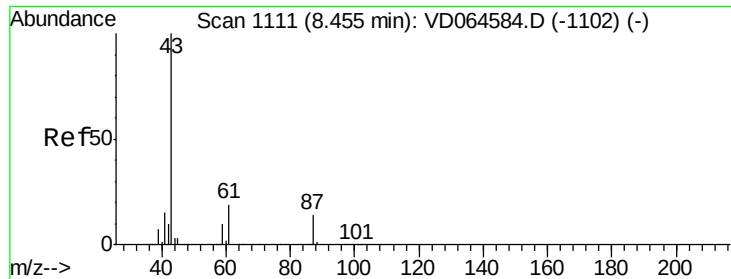
#42
1,2-Dichloroethane
Concen: 49.494 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion:	62	Resp:	191567
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: 41.525 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

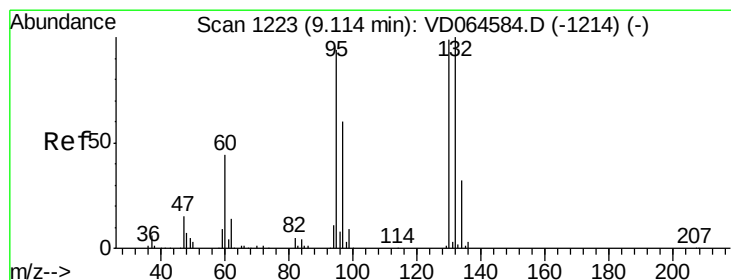
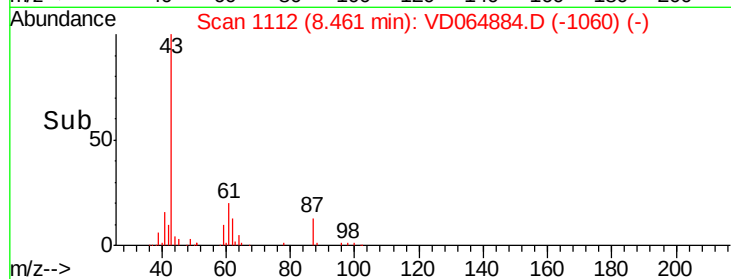
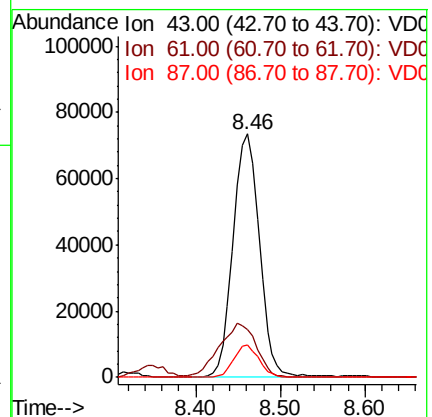
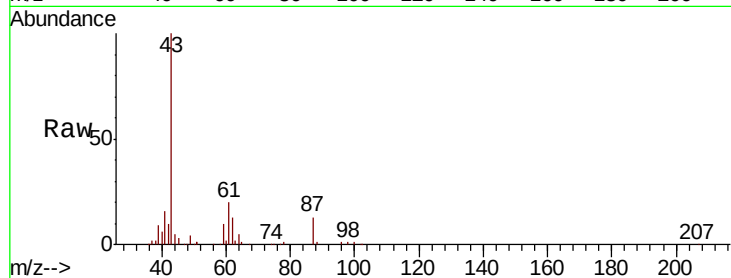
Tot Ion: 43 Resp: 159311

Ion Ratio Lower Upper

43 100

61 31.1 23.7 35.5

87 12.5 10.5 15.7



#44

Trichloroethene

Concen: 51.787 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064884.D

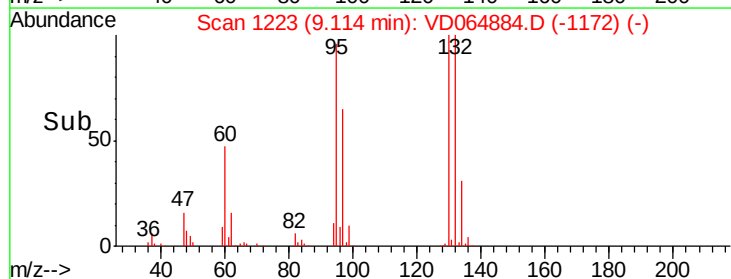
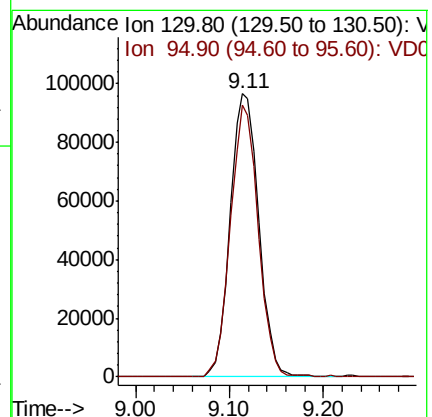
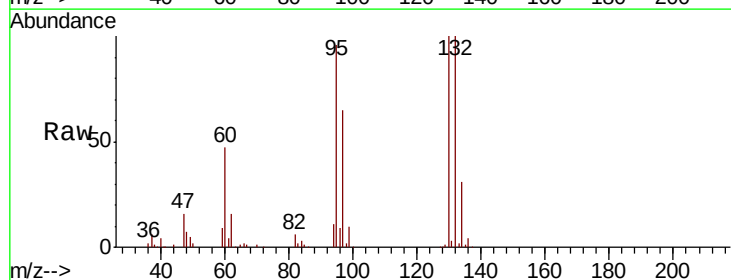
Acq: 20 Jan 2020 12:14

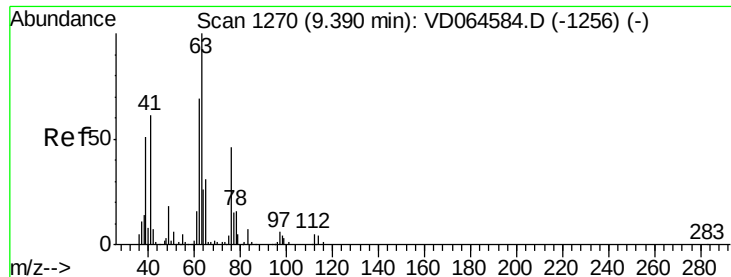
Tgt Ion:130 Resp: 203767

Ion Ratio Lower Upper

130 100

95 96.2 0.0 190.2

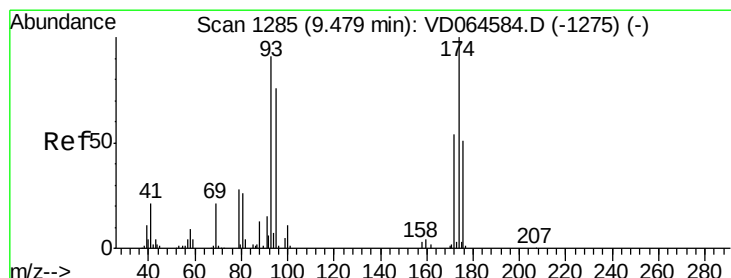
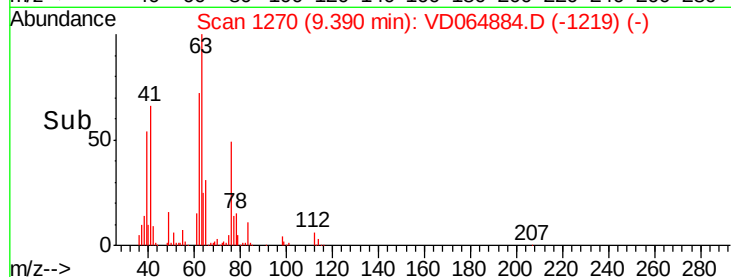
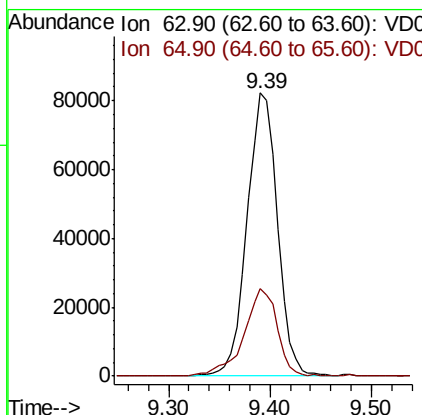
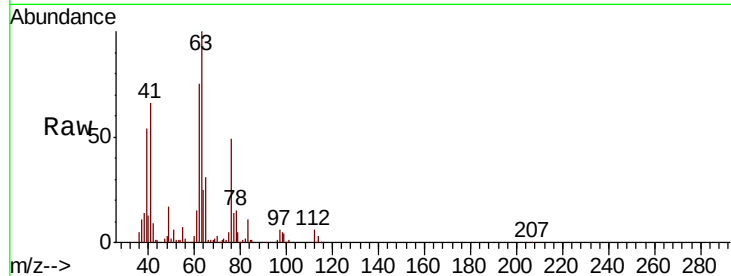




#45
 1,2-Dichloropropane
 Concen: 53.802 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

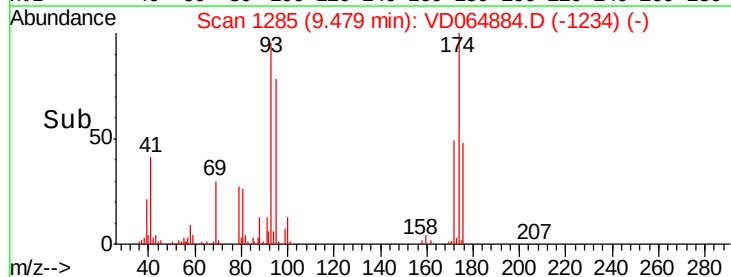
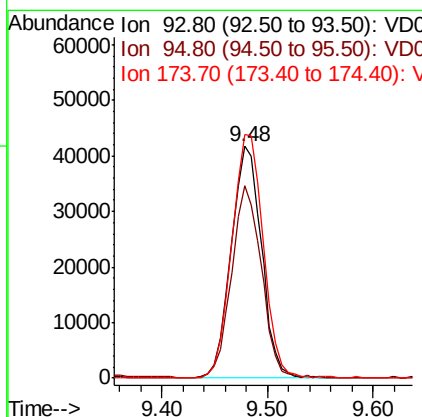
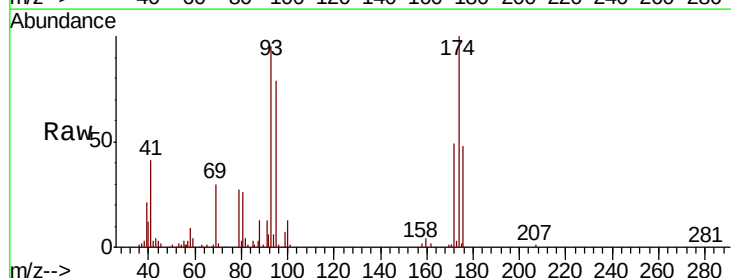
Instrument :
 MSVOA_D
 ClientSampleId :

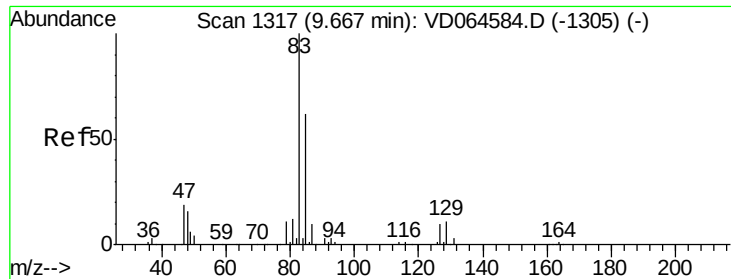
Tot Ion: 63 Resp: 172057
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 46.470 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 93 Resp: 82855
 Ion Ratio Lower Upper
 93 100
 95 81.7 64.6 97.0
 174 108.4 88.1 132.1





#47

Bromodichloromethane

Concen: 52.088 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

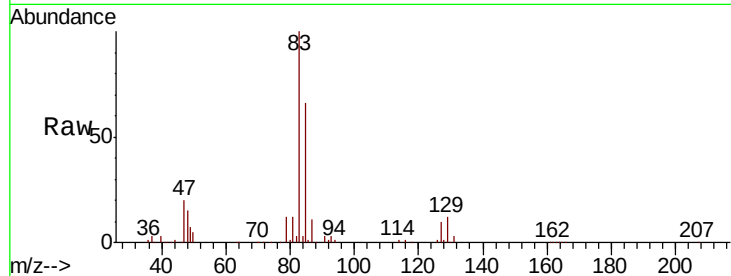
Tot Ion: 83 Resp: 247128

Ion Ratio Lower Upper

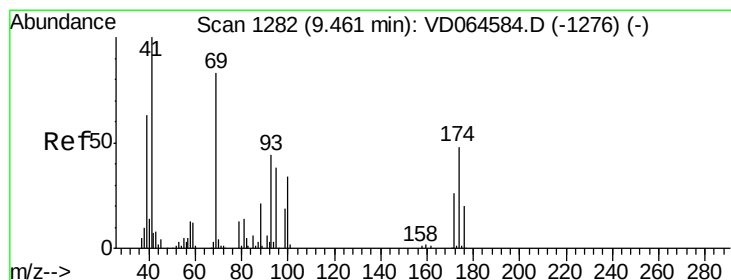
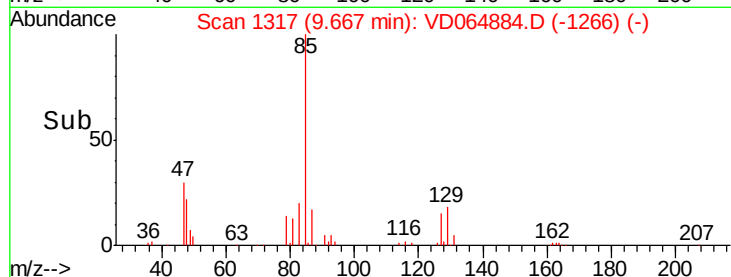
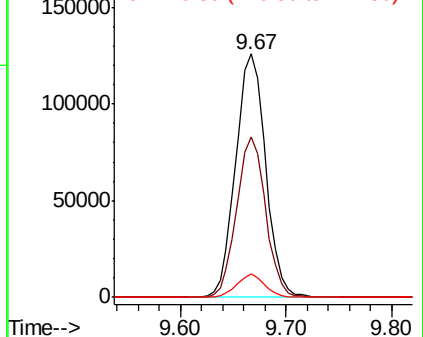
83 100

85 65.8 49.5 74.3

127 9.6 7.8 11.6



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



#48

Methyl methacrylate

Concen: 43.028 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

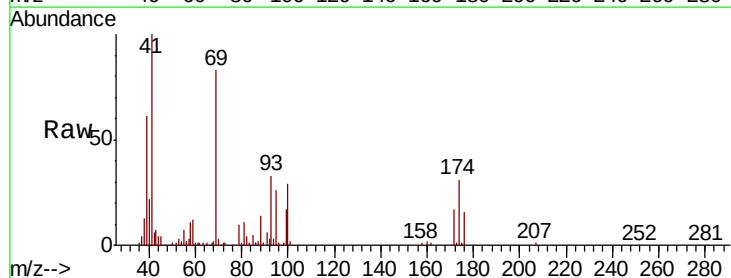
Tgt Ion: 41 Resp: 77728

Ion Ratio Lower Upper

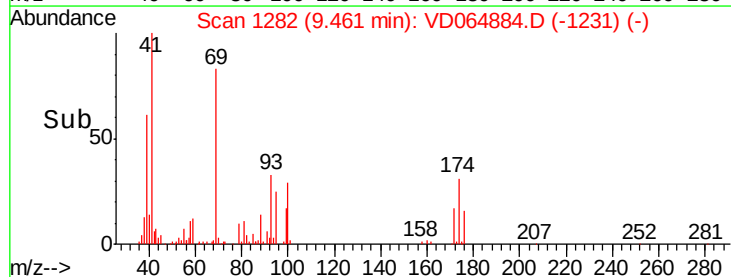
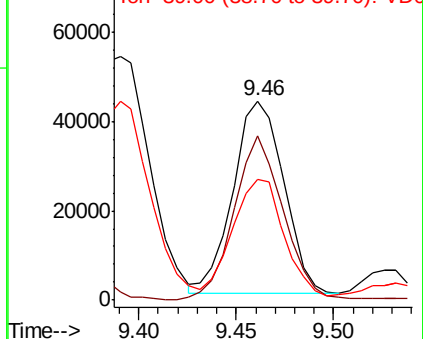
41 100

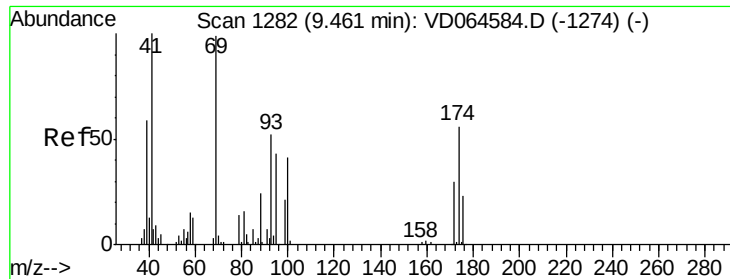
69 83.2 63.0 94.6

39 64.3 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

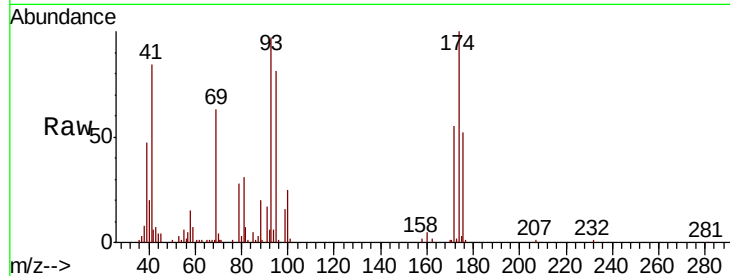




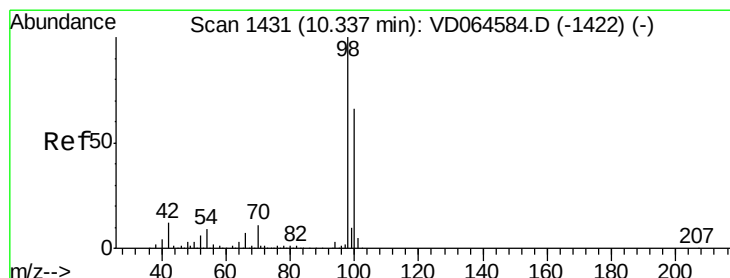
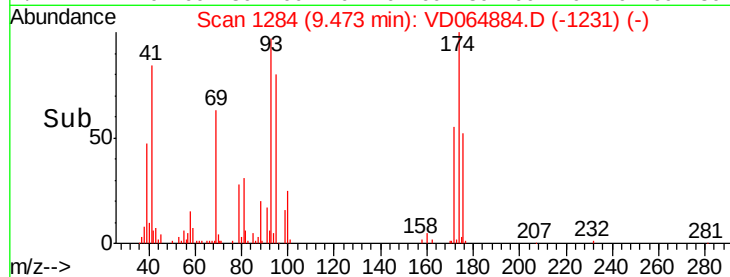
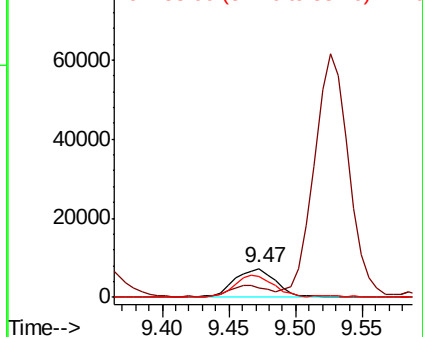
#49
1,4-Dioxane
Concen: 760.250 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15630
Ion Ratio Lower Upper
88 100
43 38.0 27.7 41.5
58 74.1 53.8 80.6

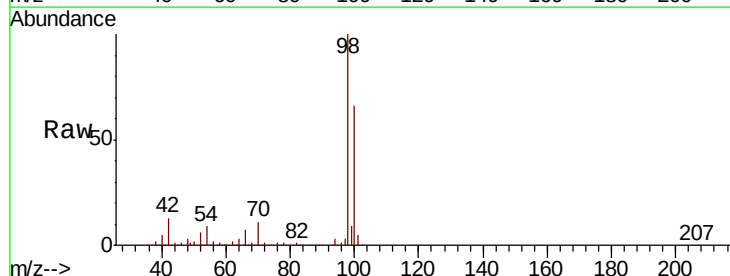


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

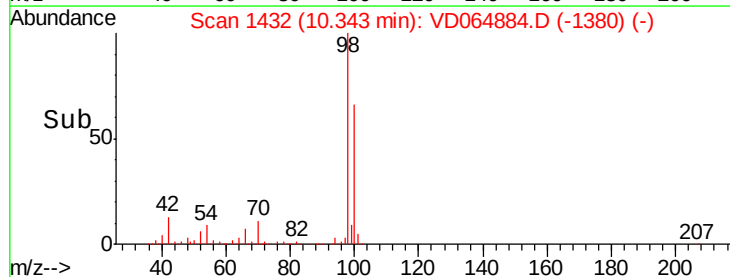
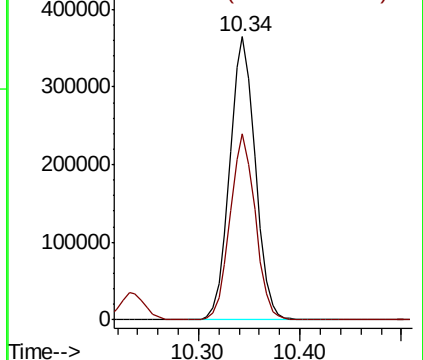


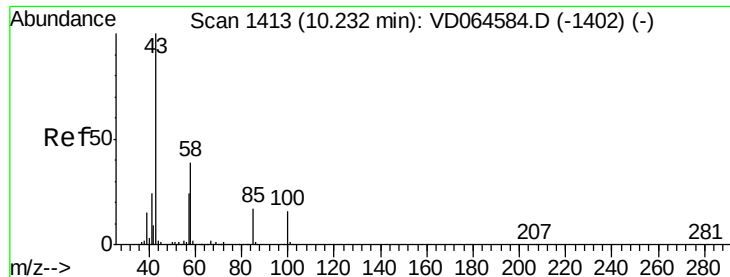
#50
Toluene-d8
Concen: 53.263 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 98 Resp: 637976
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



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

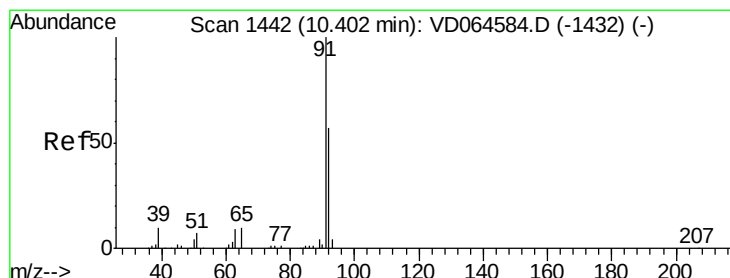
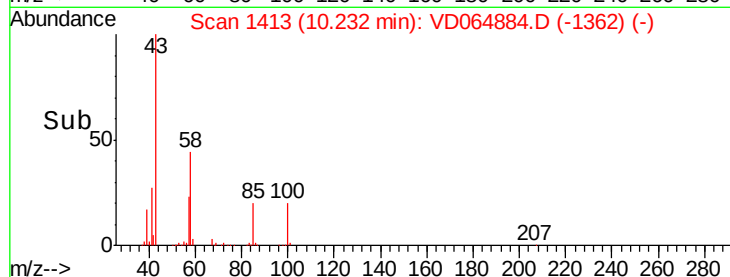
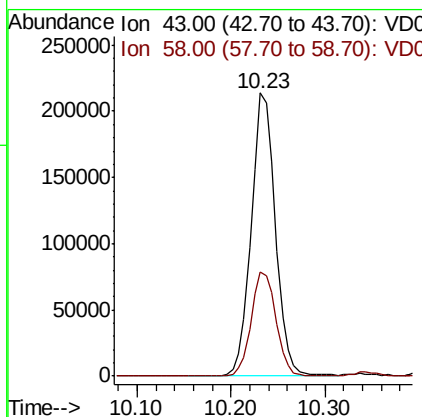
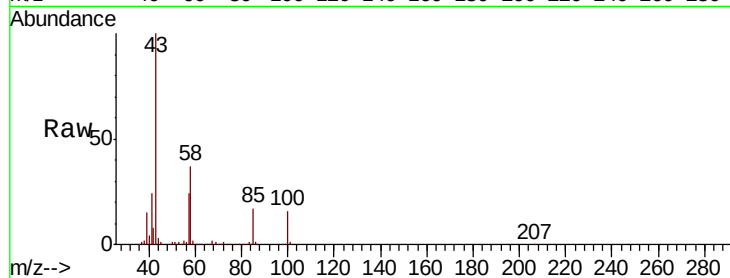




#51
 4-Methyl-2-Pentanone
 Concen: 201.273 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

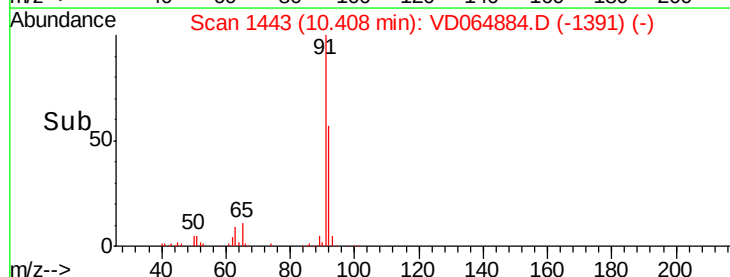
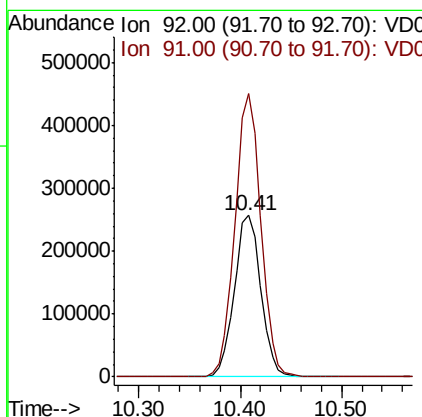
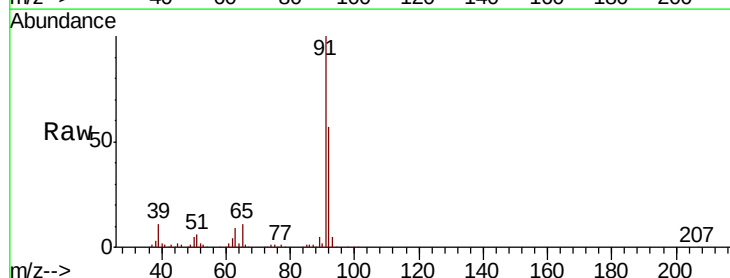
Instrument :
 MSVOA_D
 ClientSampleID :

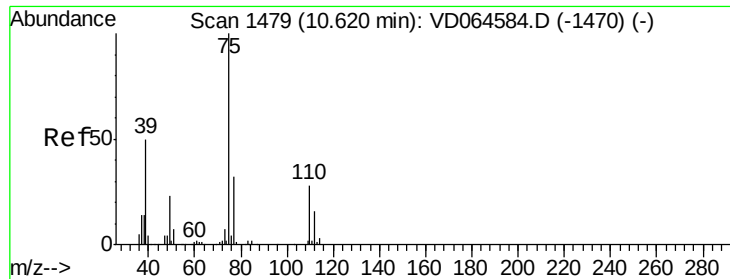
Tot Ion: 43 Resp: 381674
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.2



#52
 Toluene
 Concen: 53.356 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 92 Resp: 468867
 Ion Ratio Lower Upper
 92 100
 91 171.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 47.721 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

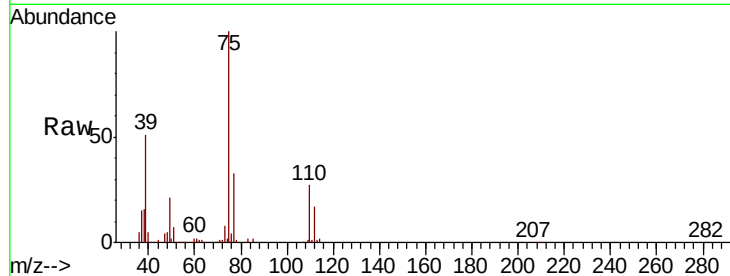
ClientSampleId :

Tot Ion: 75 Resp: 211089

Ion Ratio Lower Upper

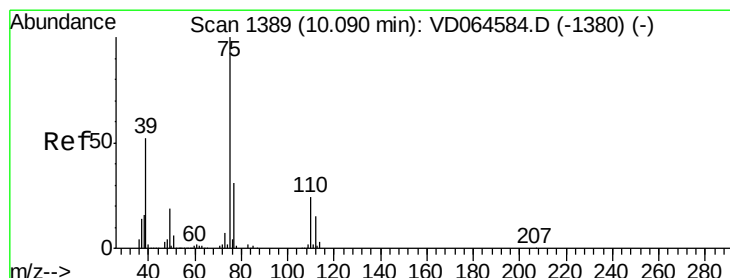
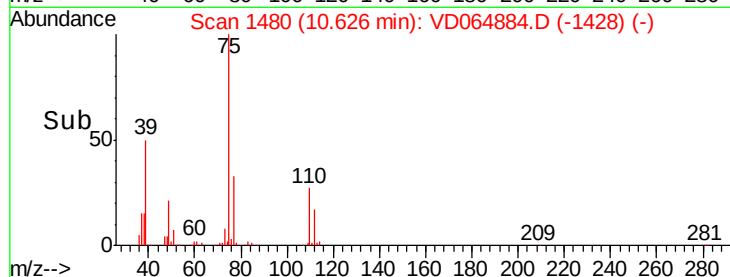
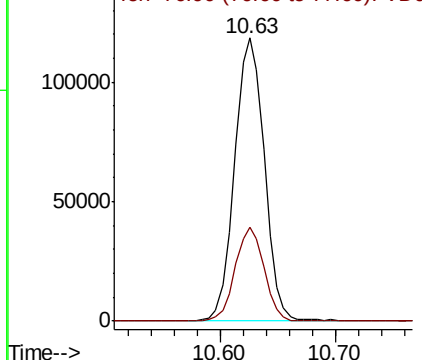
75 100

77 33.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.891 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

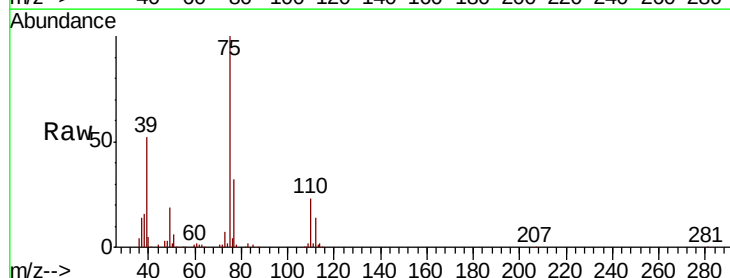
Tgt Ion: 75 Resp: 270648

Ion Ratio Lower Upper

75 100

77 32.4 24.6 36.8

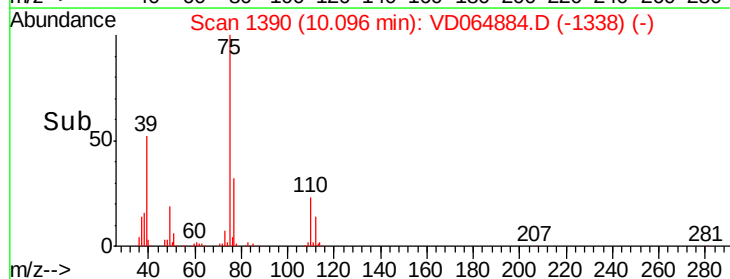
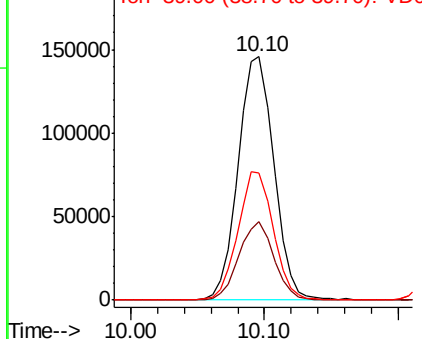
39 51.9 41.4 62.2

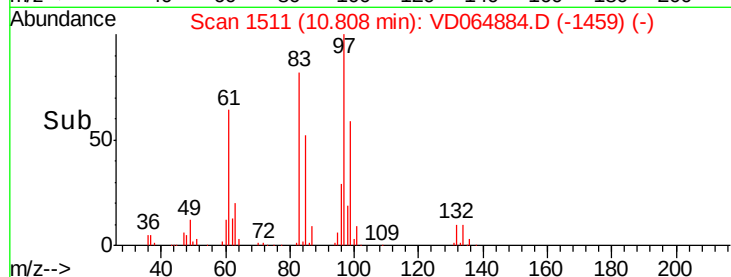
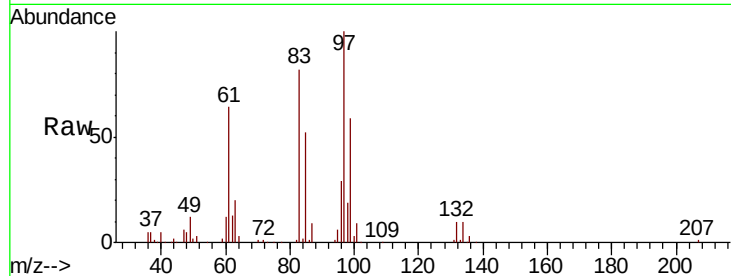
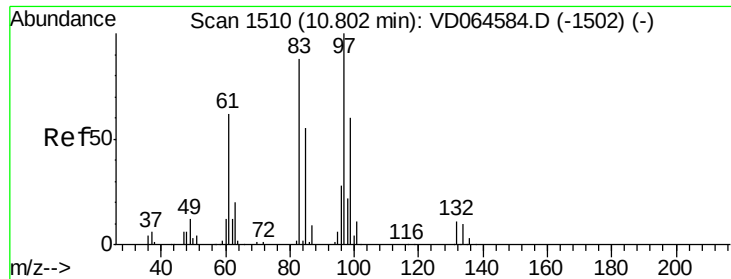


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



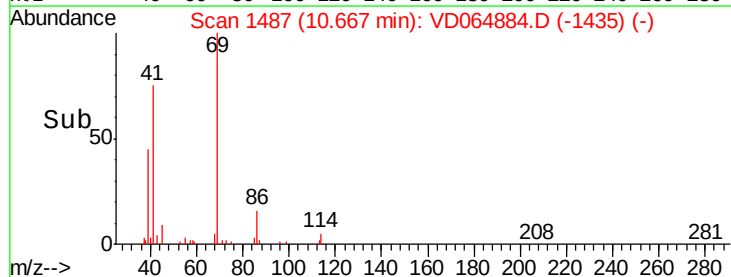
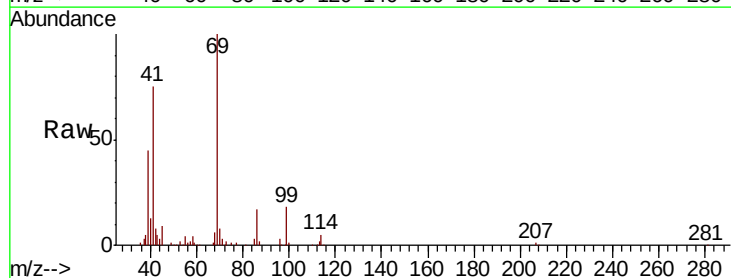
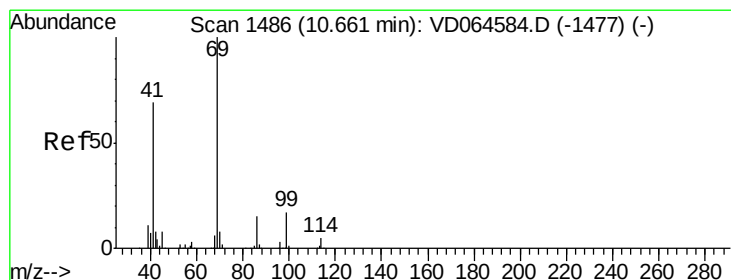
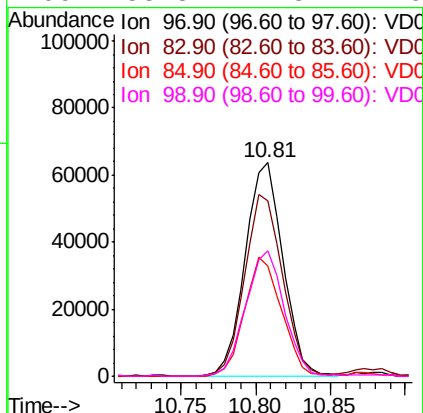


#55
 1,1,2-Trichloroethane
 Concen: 46.460 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 111638

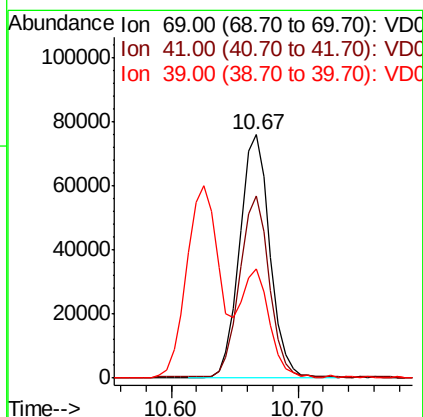
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.2	105.4
85	51.5	44.0	66.0
99	58.8	47.8	71.6

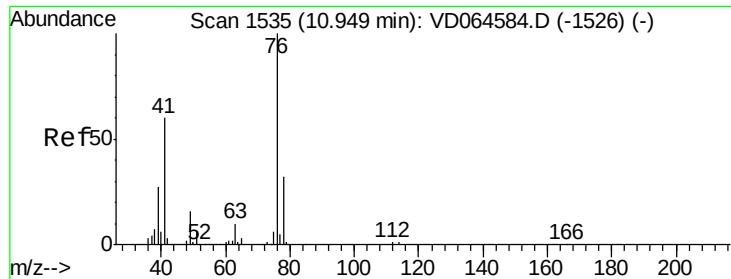


#56
 Ethyl methacrylate
 Concen: 41.964 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 69 Resp: 125929

Ion	Ratio	Lower	Upper
69	100		
41	75.2	55.3	82.9
39	40.4	33.8	50.8

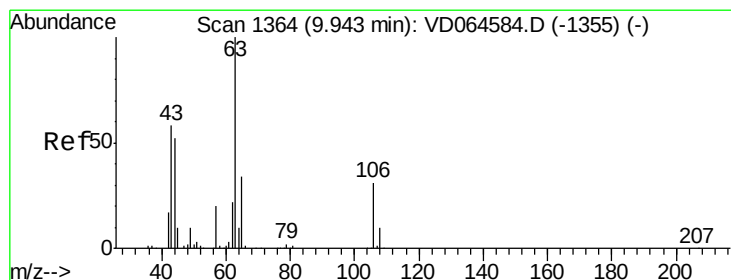
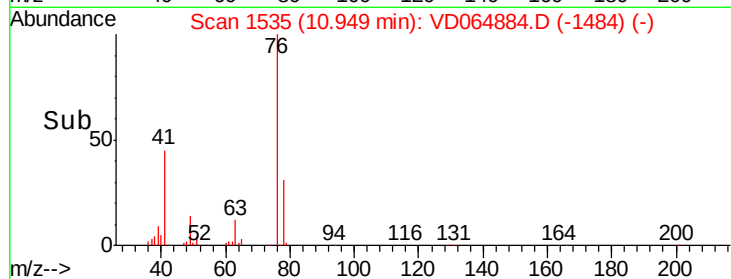
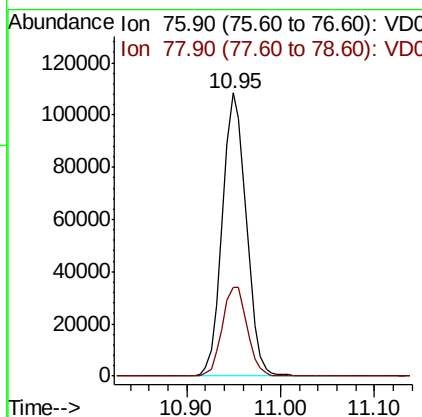
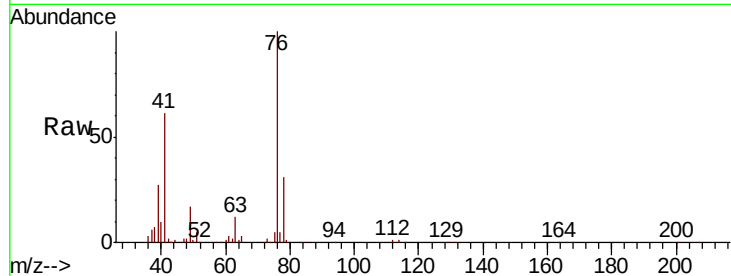




#57
 1,3-Dichloropropane
 Concen: 46.602 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

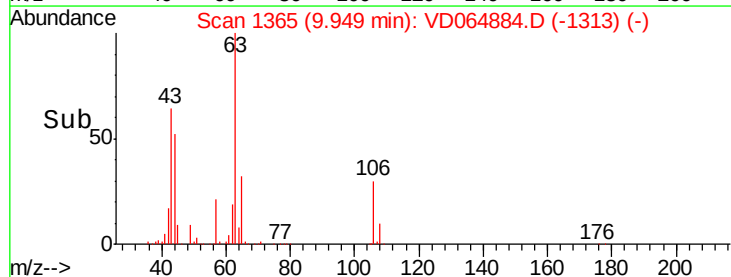
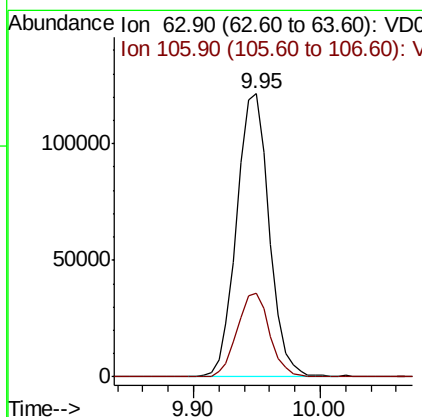
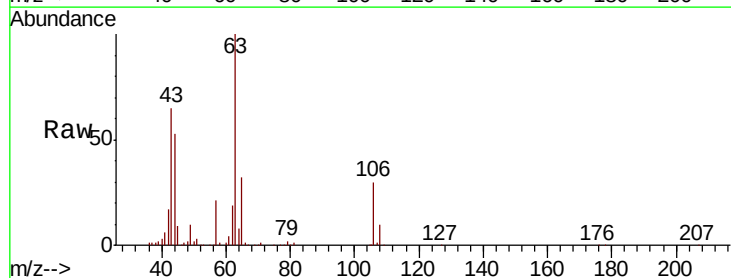
Instrument :
 MSVOA_D
 ClientSampled :

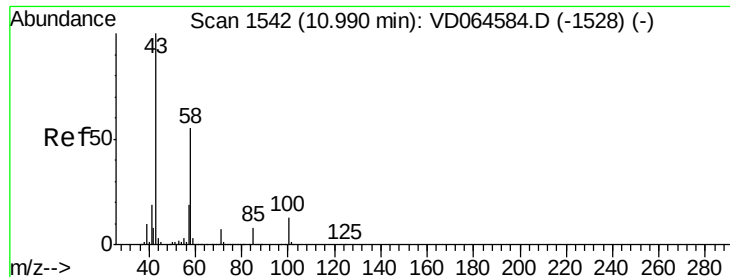
Tot Ion: 76 Resp: 192805
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 189.440 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 63 Resp: 216589
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.8

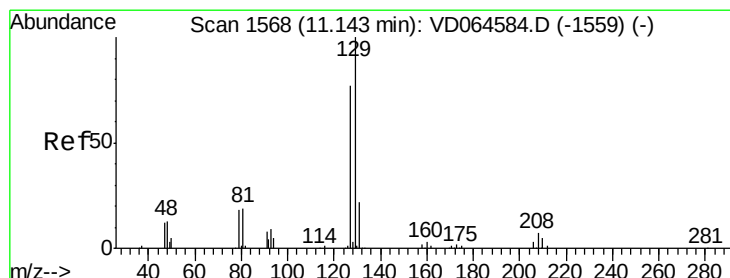
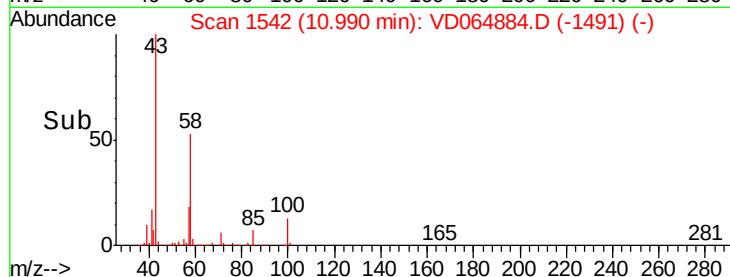
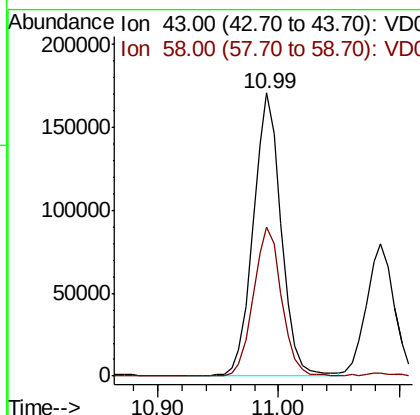
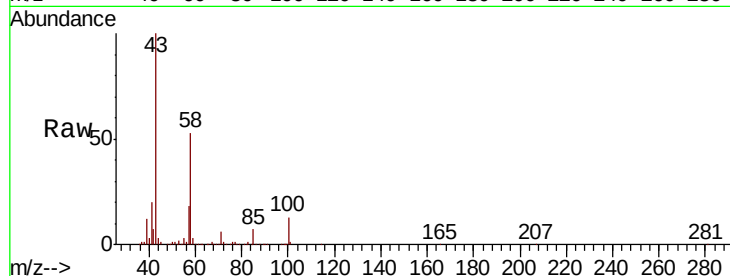




#59
2-Hexanone
Concen: 214.519 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

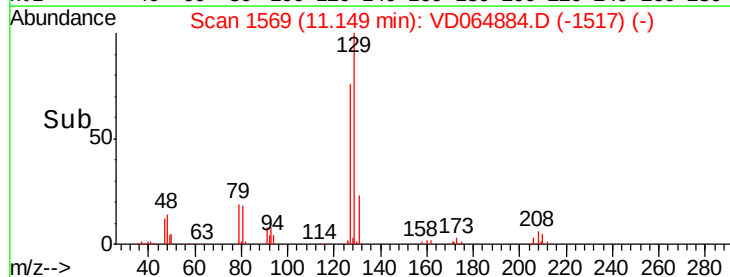
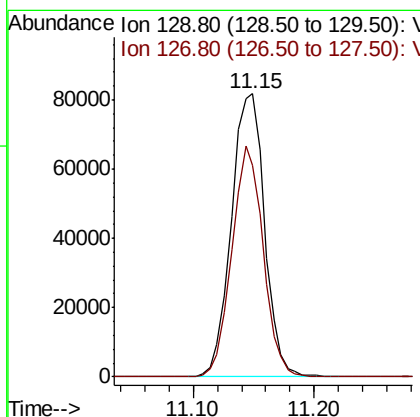
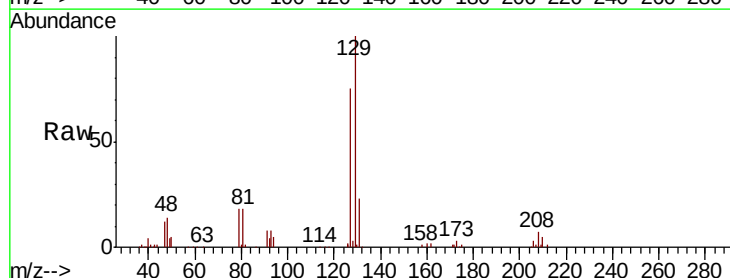
Instrument :
MSVOA_D
ClientSampleId :

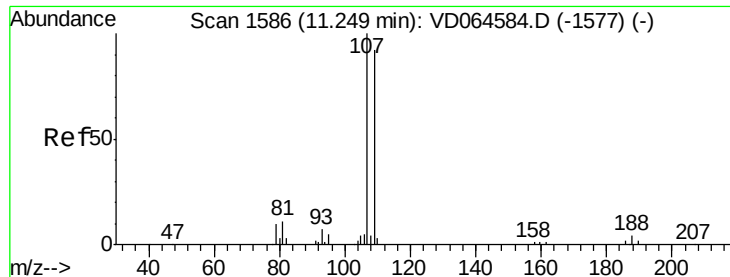
Tot Ion: 43 Resp: 276098
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0



#60
Dibromochloromethane
Concen: 47.191 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 129 Resp: 156808
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.2

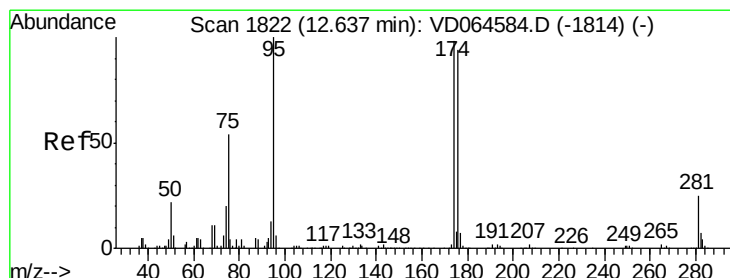
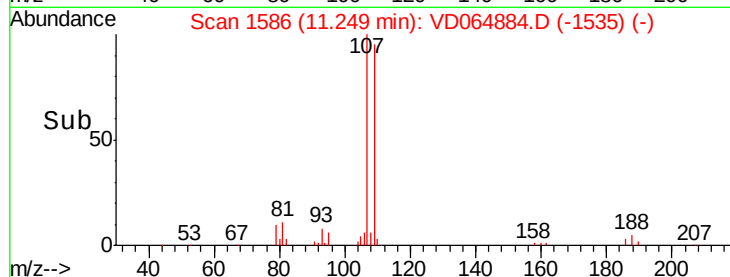
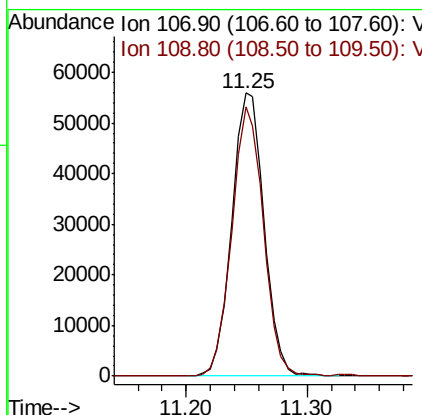
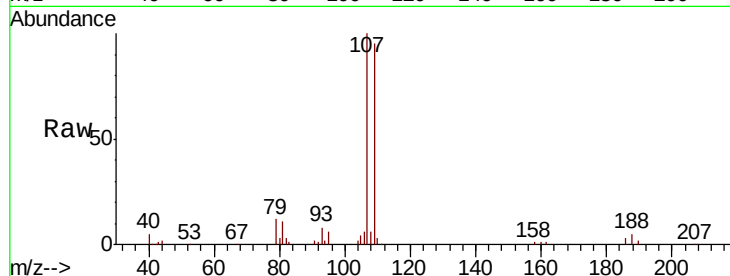




#61
 1,2-Dibromoethane
 Concen: 43.822 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

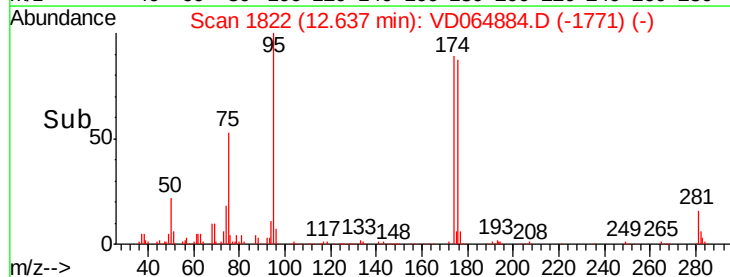
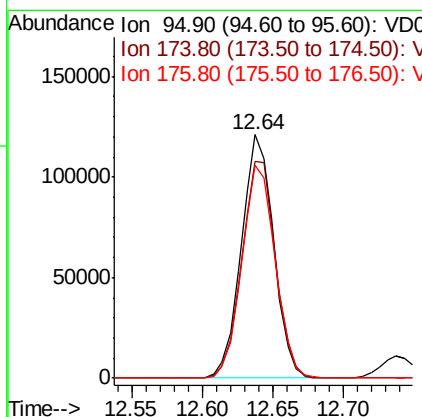
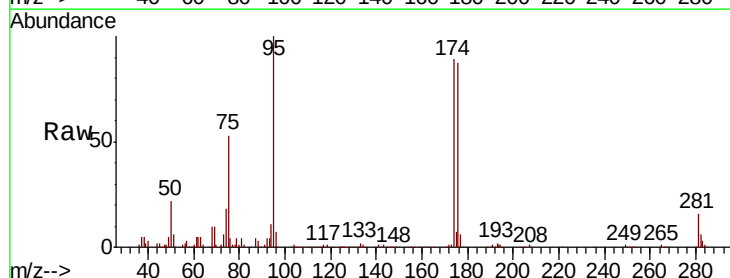
Instrument :
 MSVOA_D
 ClientSampleId :

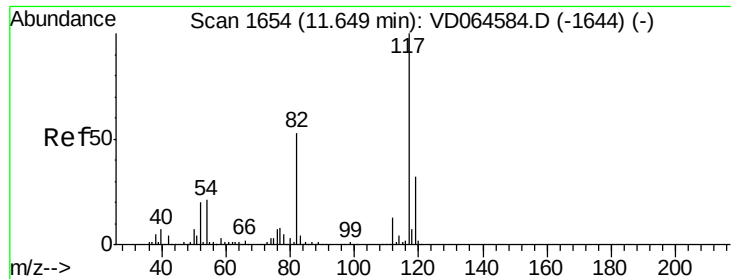
Tot Ion:107 Resp: 103859
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.257 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 95 Resp: 194137
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 193.2
 176 89.9 0.0 184.2

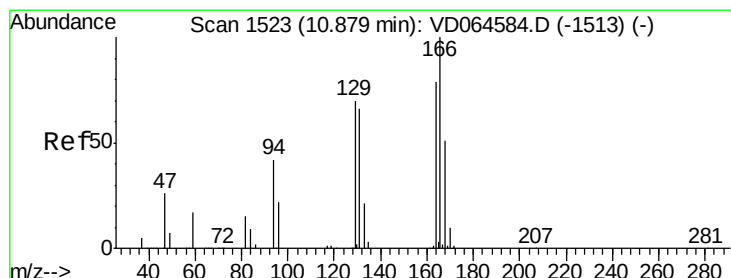
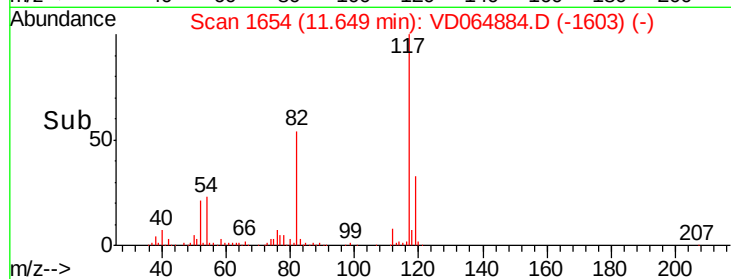
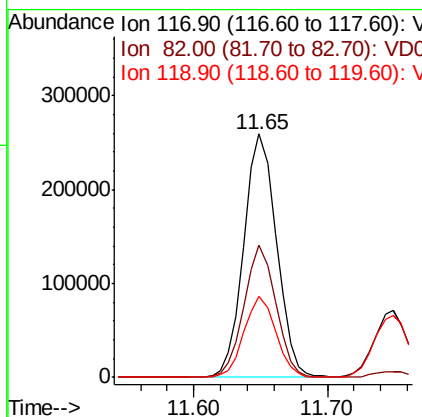
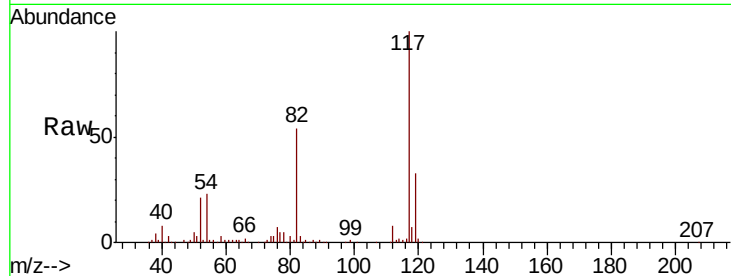




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

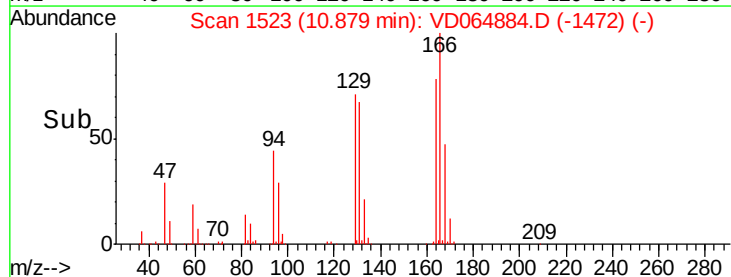
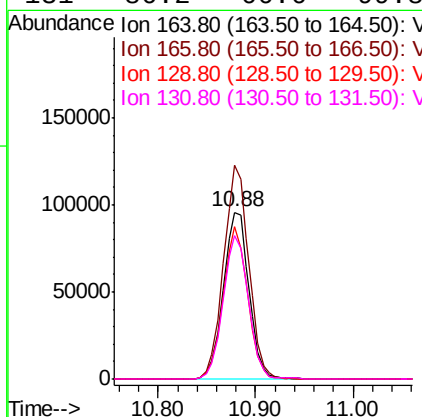
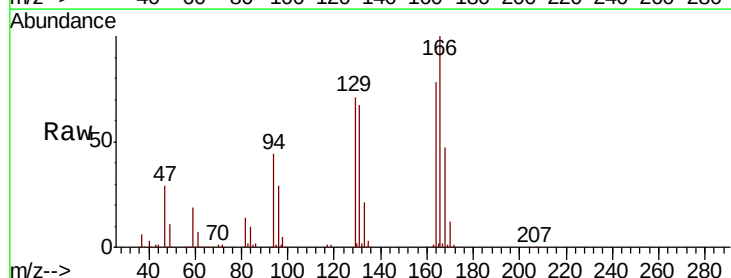
Instrument :
MSVOA_D
ClientSampleId :

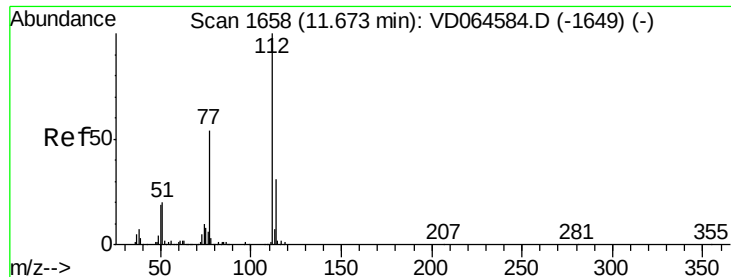
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.2	63.4
119	33.4	26.0	39.0



#64
Tetrachloroethene
Concen: 51.347 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.3	151.9
129	91.2	70.5	105.7
131	86.2	66.6	99.8

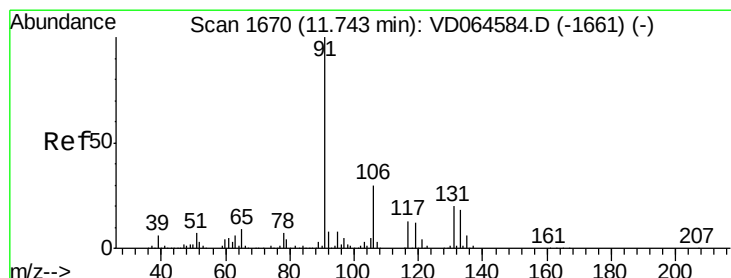
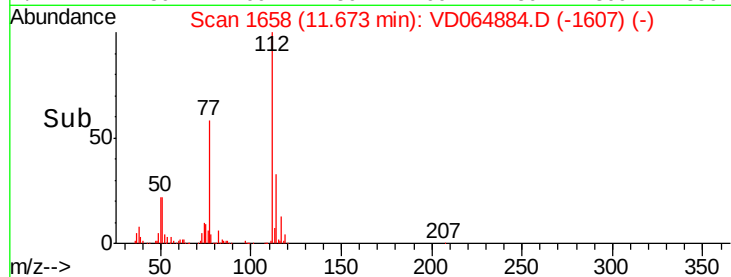
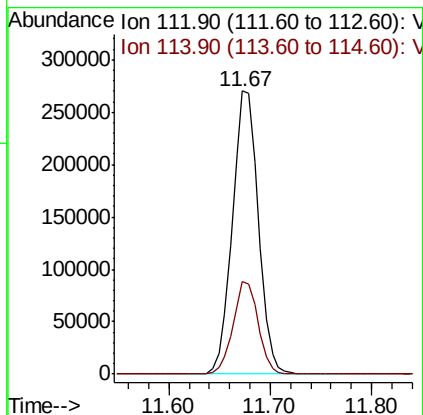
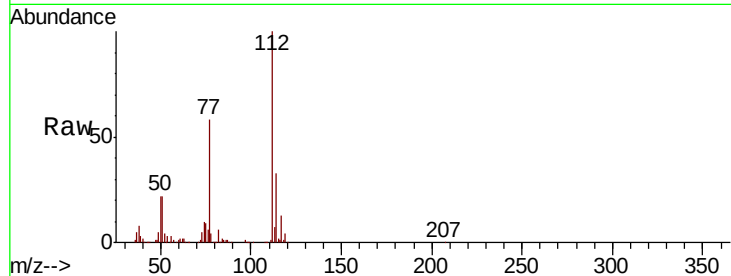




#65
Chlorobenzene
Concen: 52.626 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

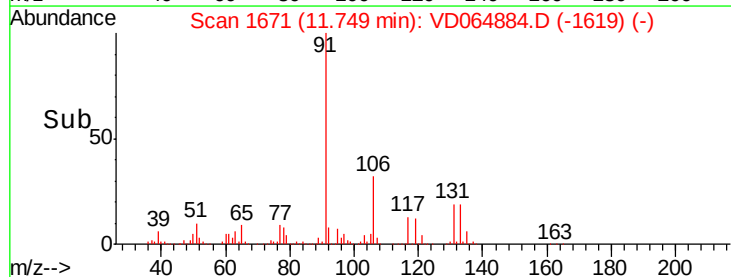
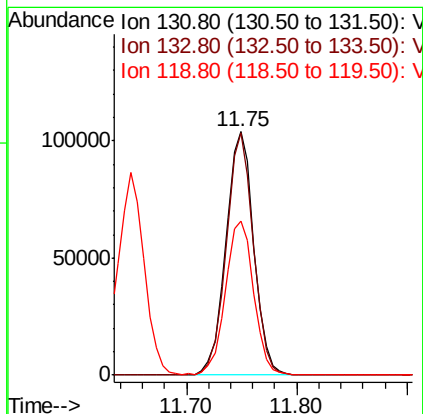
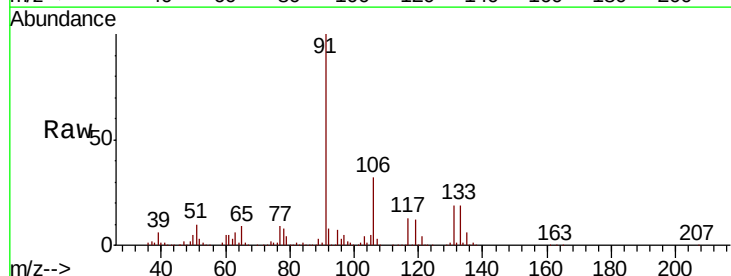
Instrument :
MSVOA_D
ClientSampleId :

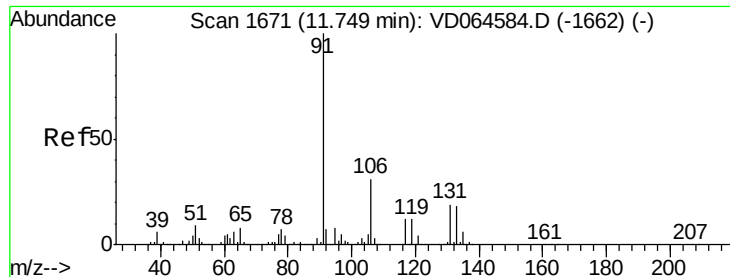
Tot Ion:112 Resp: 480758
Ion Ratio Lower Upper
112 100
114 32.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.370 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion:131 Resp: 183801
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 64.4 32.1 96.3

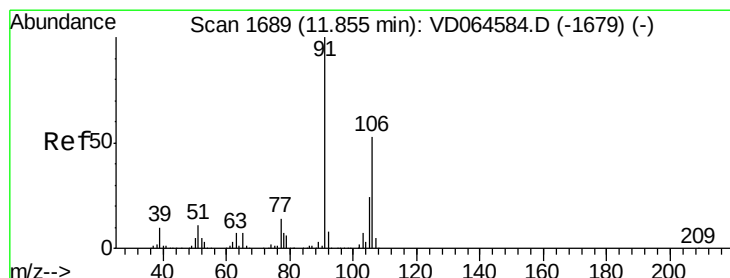
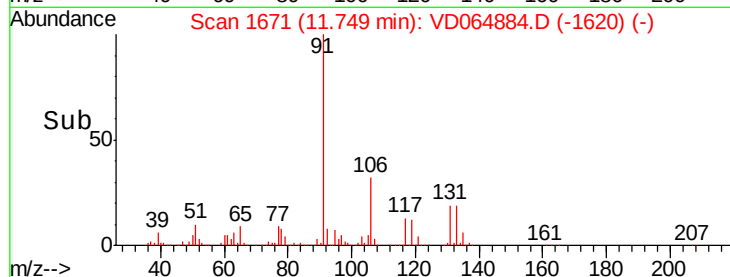
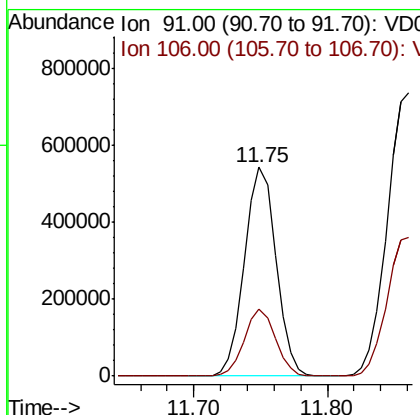
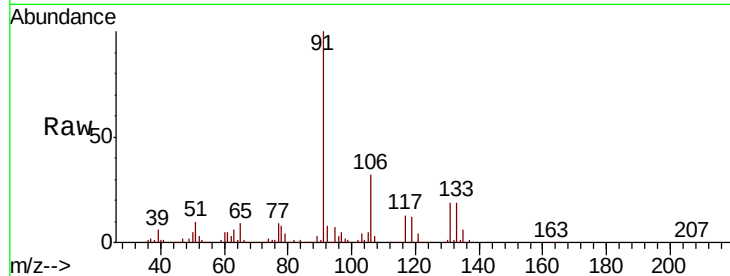




#67
Ethyl Benzene
Concen: 53.835 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

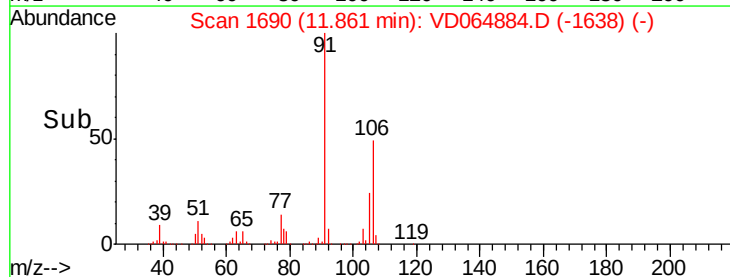
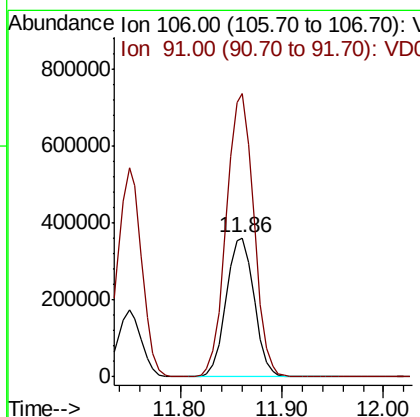
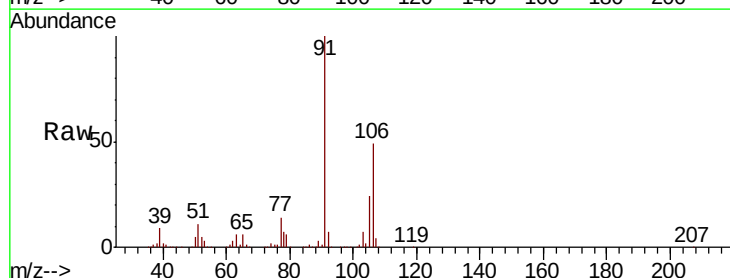
Instrument :
MSVOA_D
ClientSampleId :

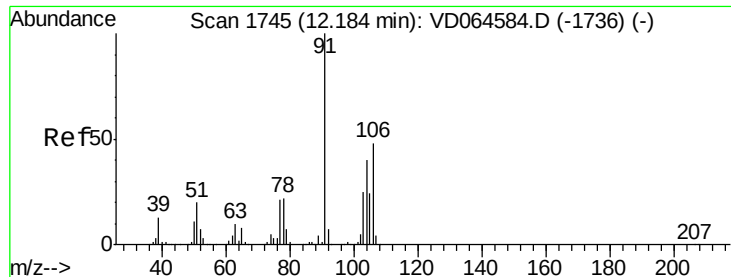
Tot Ion: 91 Resp: 892649
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8



#68
m/p-Xylenes
Concen: 108.092 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 106 Resp: 691791
Ion Ratio Lower Upper
106 100
91 201.1 156.3 234.5

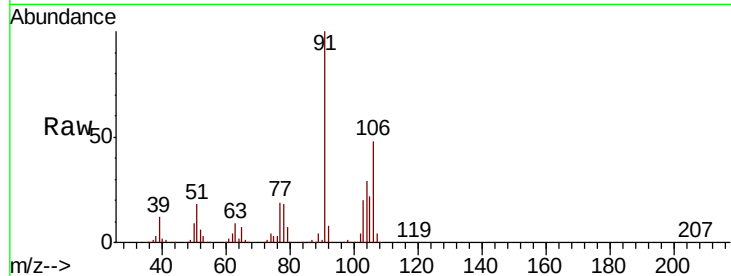




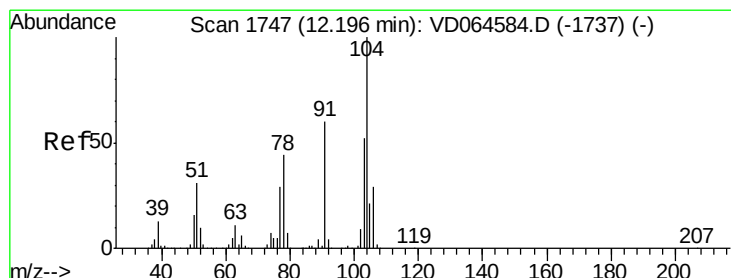
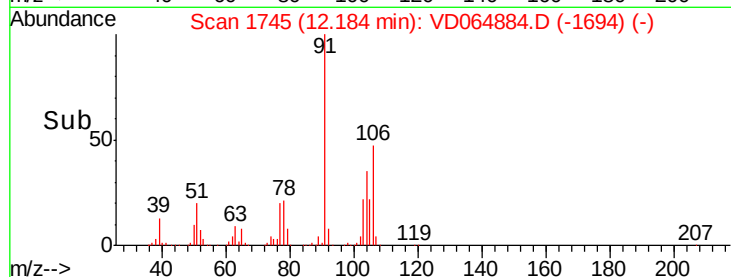
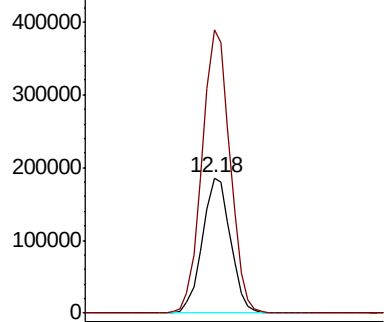
#69
o-Xylene
Concen: 53.975 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 312021
Ion Ratio Lower Upper
106 100
91 209.2 104.8 314.4

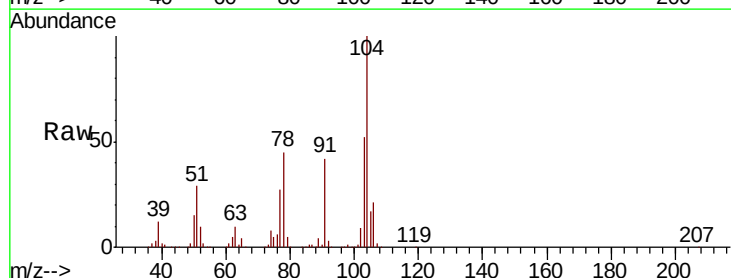


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

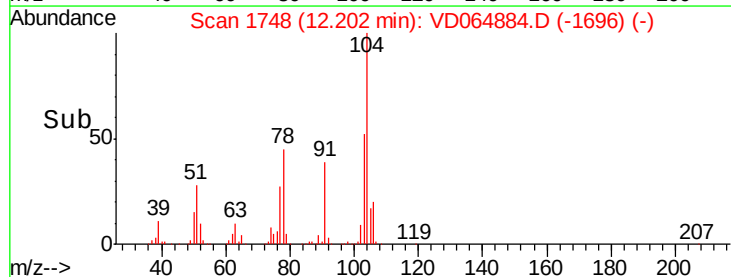
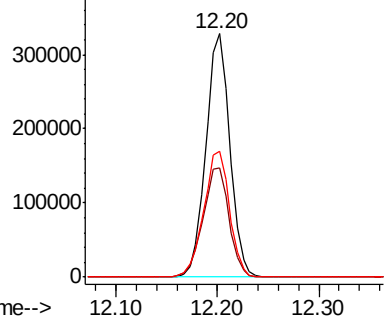


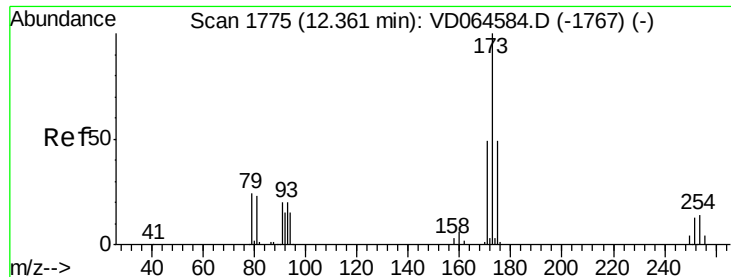
#70
Styrene
Concen: 53.111 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion:104 Resp: 538914
Ion Ratio Lower Upper
104 100
78 49.0 38.2 57.2
103 55.7 44.6 67.0



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





#71

Bromoform

Concen: 42.881 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

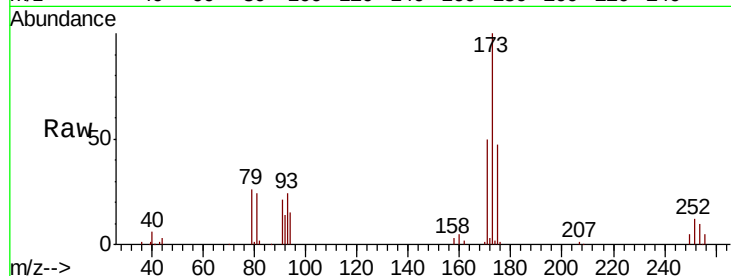
Tot Ion:173 Resp: 84216

Ion Ratio Lower Upper

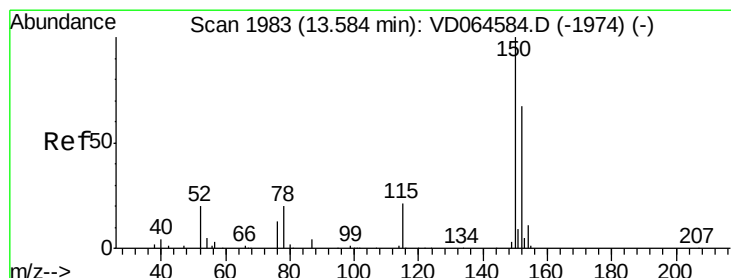
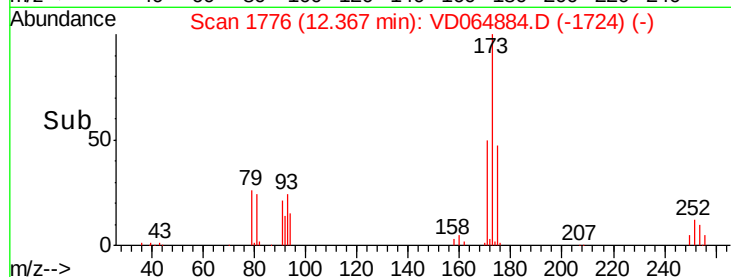
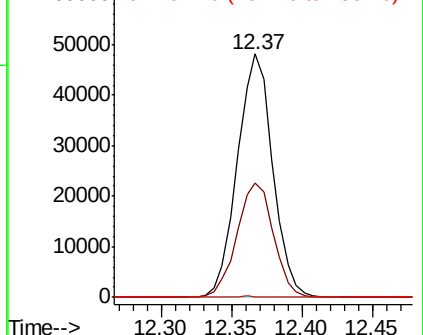
173 100

175 48.5 24.6 73.8

254 0.2 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# 1983

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

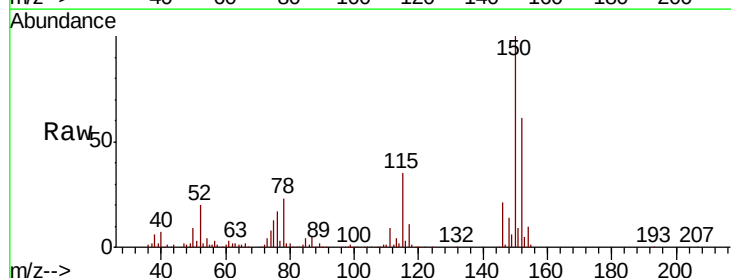
Tgt Ion:152 Resp: 212399

Ion Ratio Lower Upper

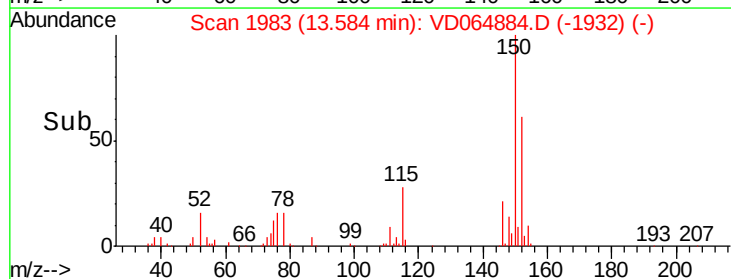
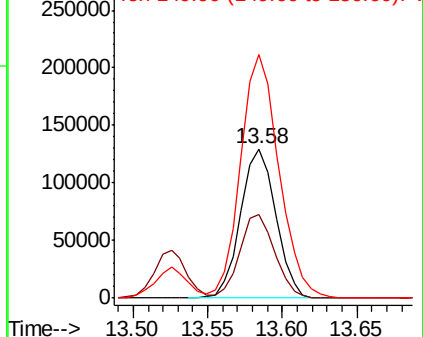
152 100

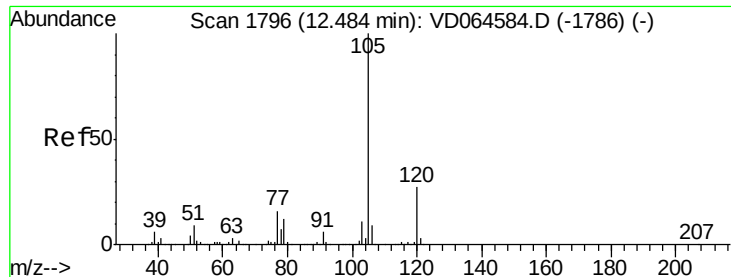
115 55.8 27.8 83.4

150 177.2 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: 56.896 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

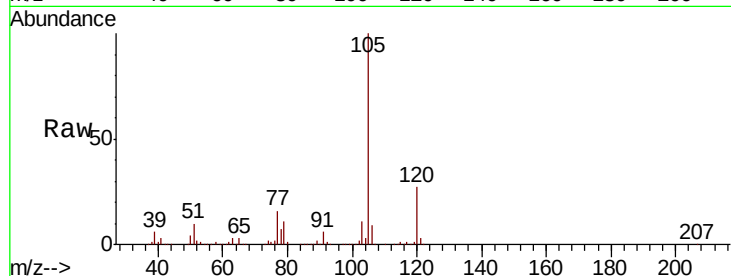
ClientSampleId :

Tot Ion:105 Resp: 863595

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

500000

400000

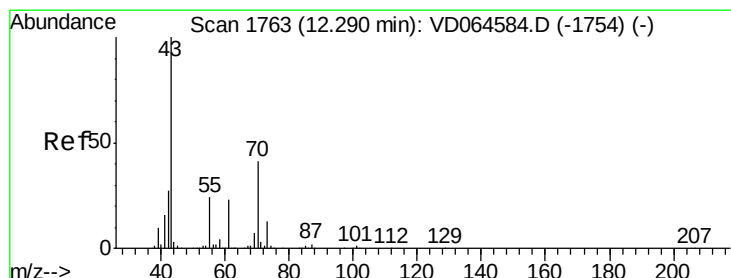
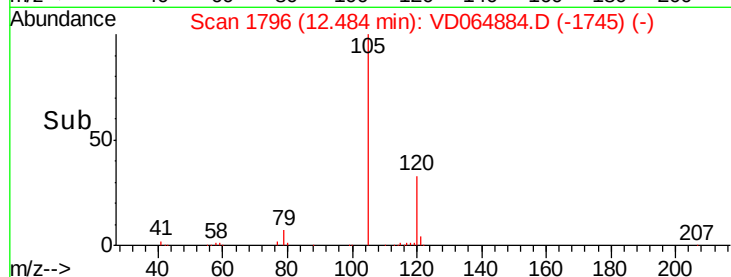
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 41.814 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion: 43 Resp: 135670

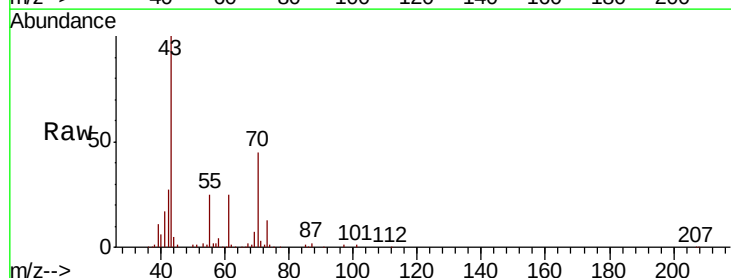
Ion Ratio Lower Upper

43 100

70 43.0 33.4 50.0

55 25.2 19.4 29.0

61 23.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

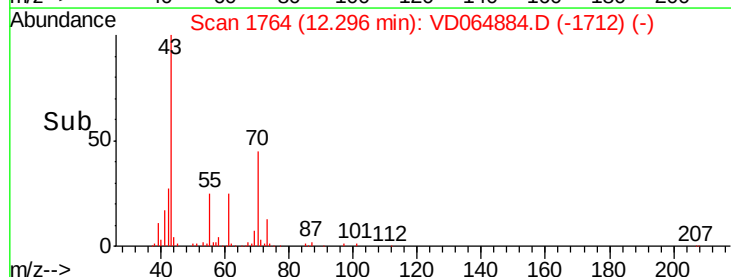
Ion 61.00 (60.70 to 61.70): V

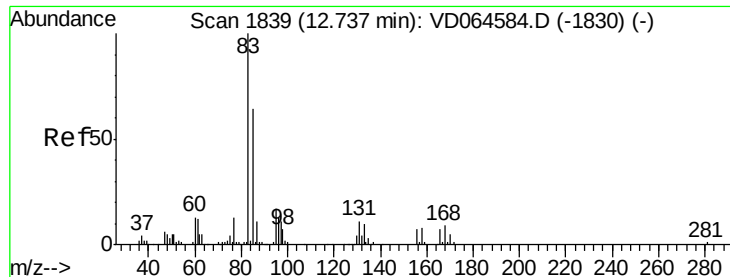
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.796 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

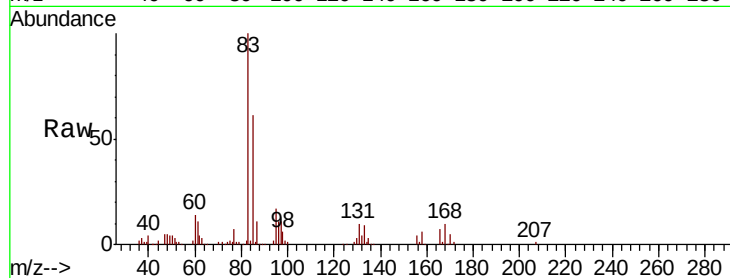
Tot Ion: 83 Resp: 109195

Ion Ratio Lower Upper

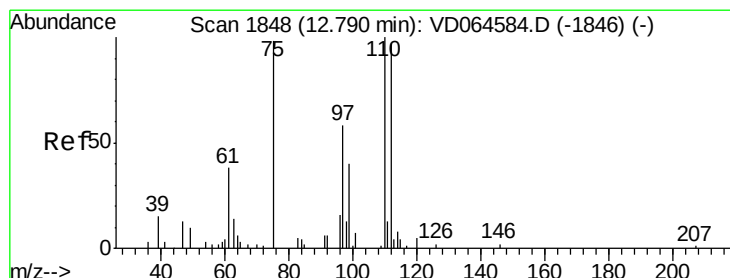
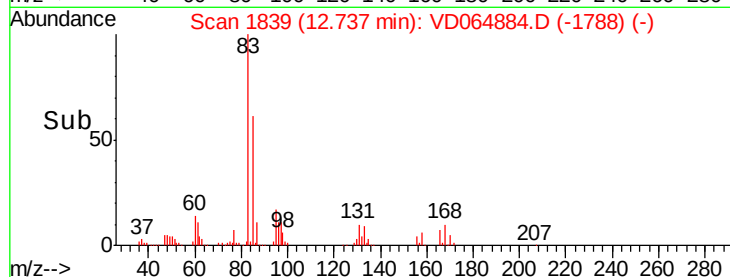
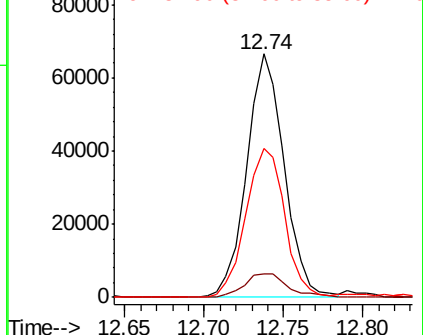
83 100

131 11.3 5.8 17.4

85 63.6 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 89.437 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064884.D

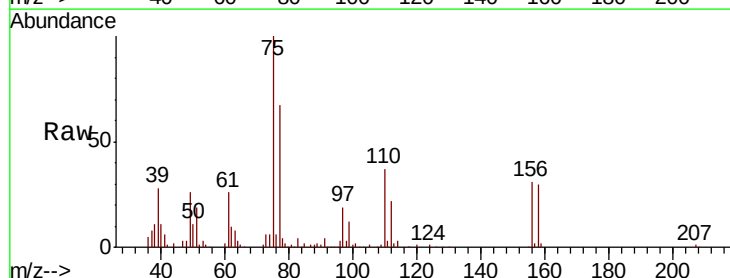
Acq: 20 Jan 2020 12:14

Tgt Ion: 75 Resp: 150006

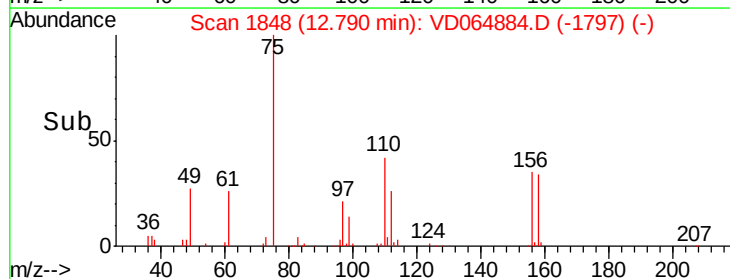
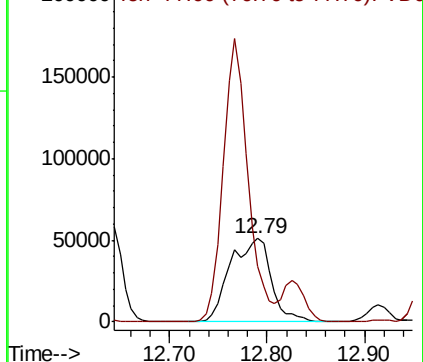
Ion Ratio Lower Upper

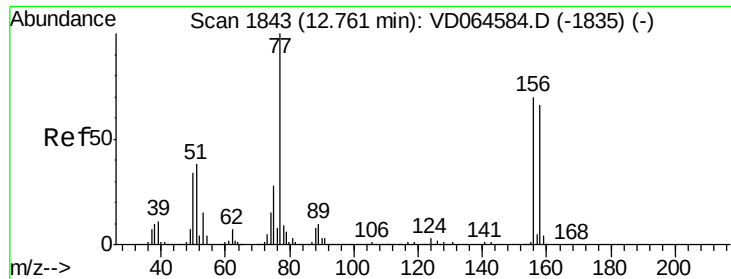
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 52.147 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

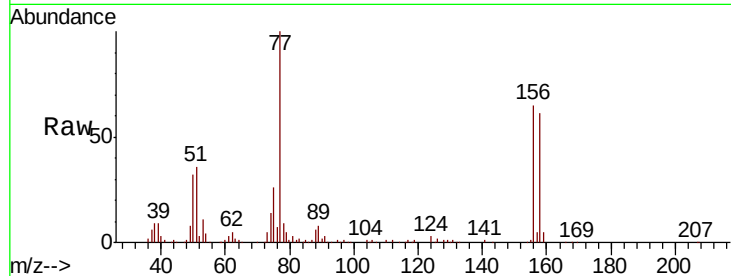
Tot Ion:156 Resp: 194486

Ion Ratio Lower Upper

156 100

77 158.6 80.9 242.7

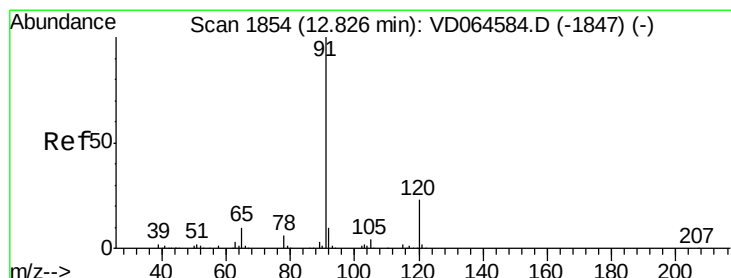
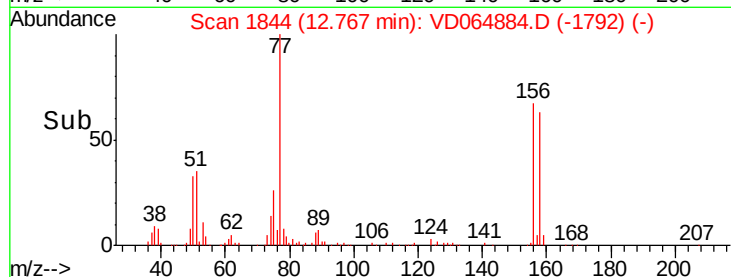
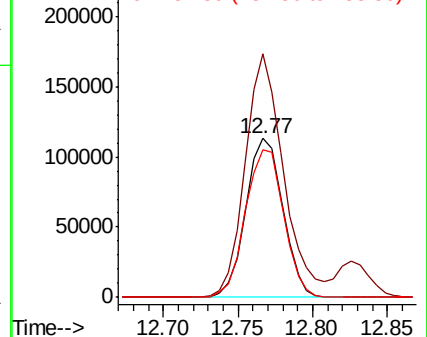
158 96.4 48.0 144.2



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: 56.554 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064884.D

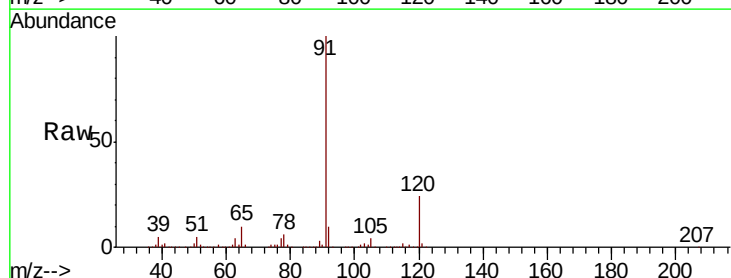
Acq: 20 Jan 2020 12:14

Tgt Ion: 91 Resp: 1001430

Ion Ratio Lower Upper

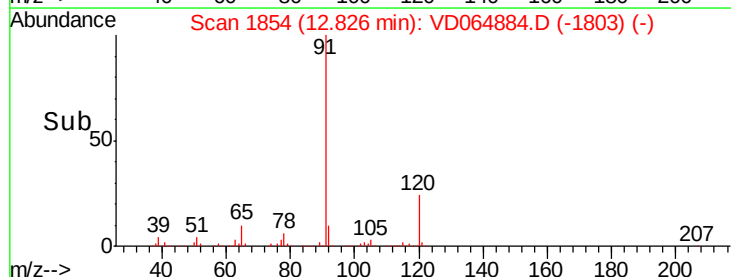
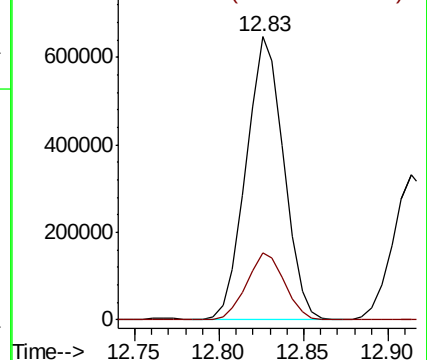
91 100

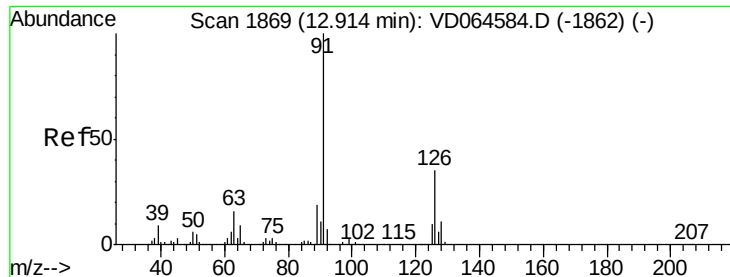
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.306 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

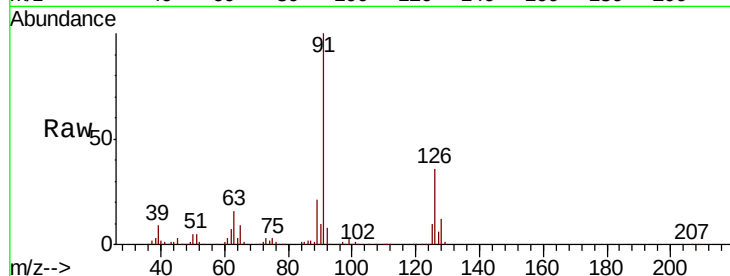
ClientSampleId :

Tot Ion: 91 Resp: 547712

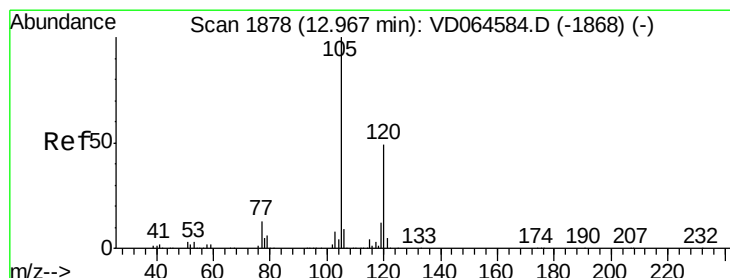
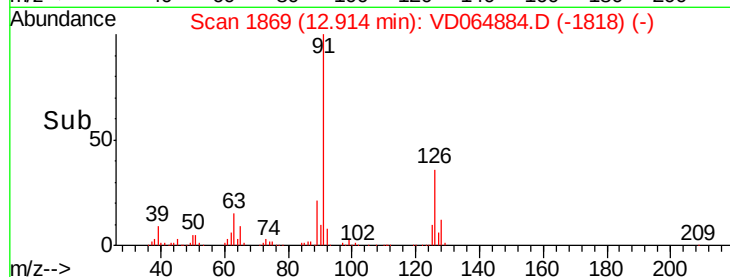
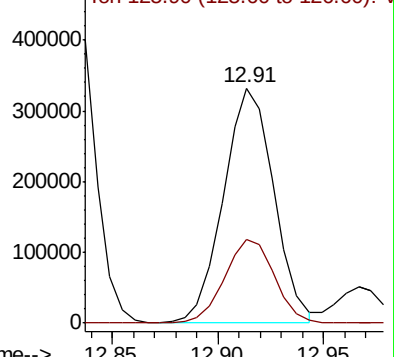
Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 56.102 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064884.D

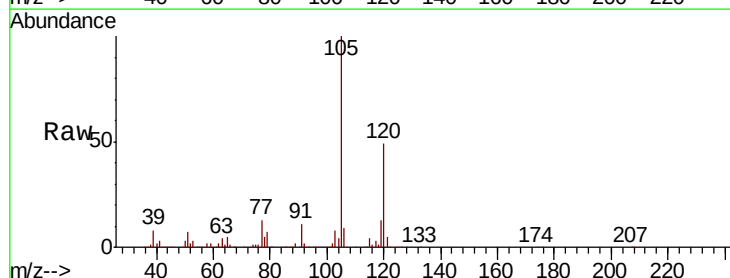
Acq: 20 Jan 2020 12:14

Tgt Ion:105 Resp: 699509

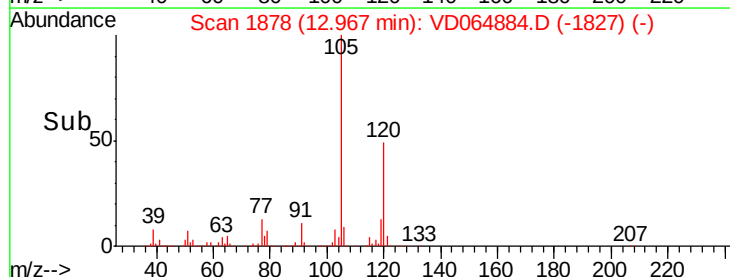
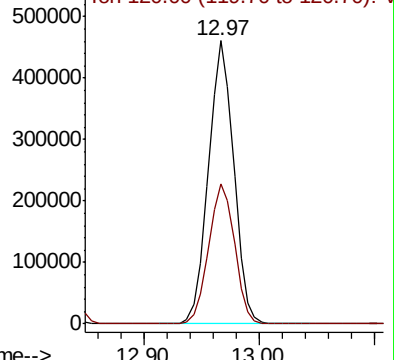
Ion Ratio Lower Upper

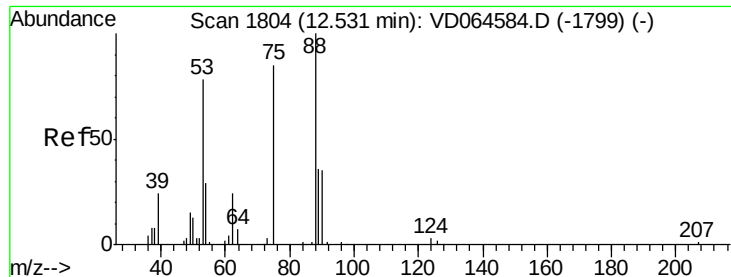
105 100

120 50.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.245 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

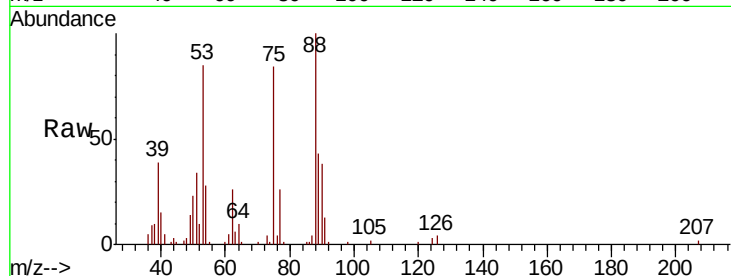
Tot Ion: 75 Resp: 35482

Ion Ratio Lower Upper

75 100

53 101.3 78.8 118.2

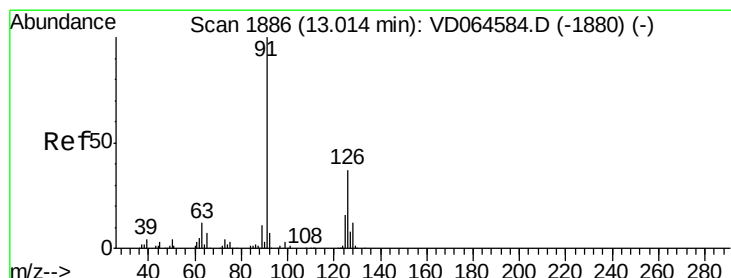
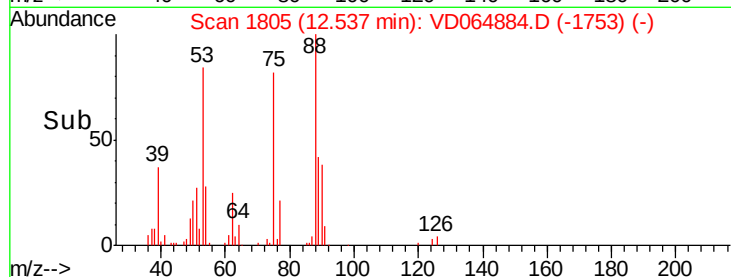
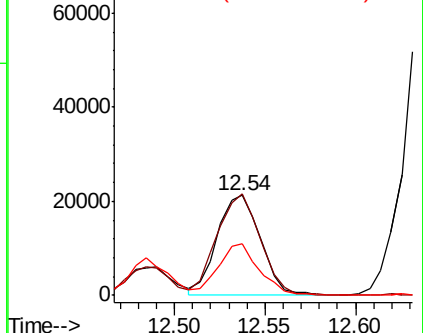
89 48.2 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 56.372 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064884.D

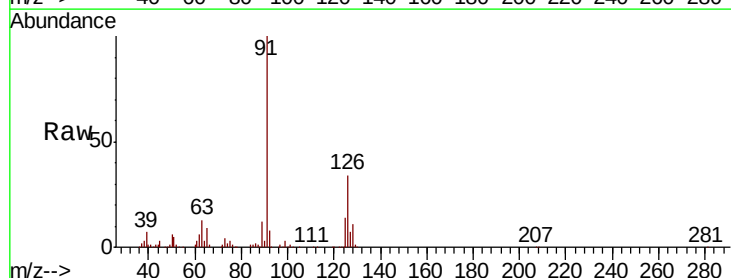
Acq: 20 Jan 2020 12:14

Tgt Ion: 91 Resp: 583560

Ion Ratio Lower Upper

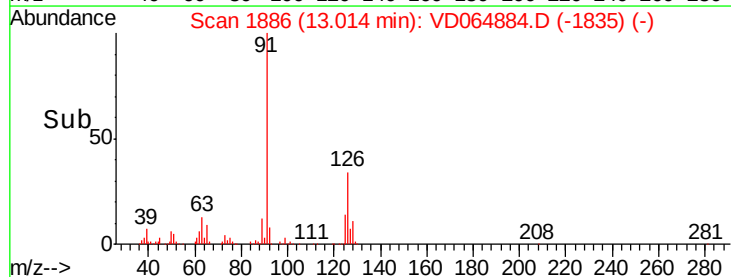
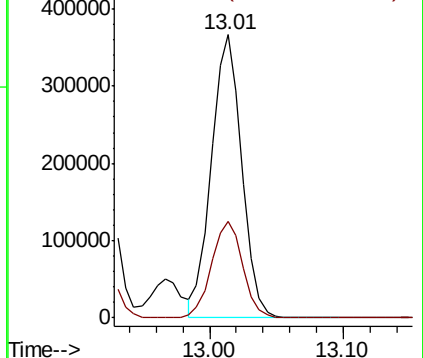
91 100

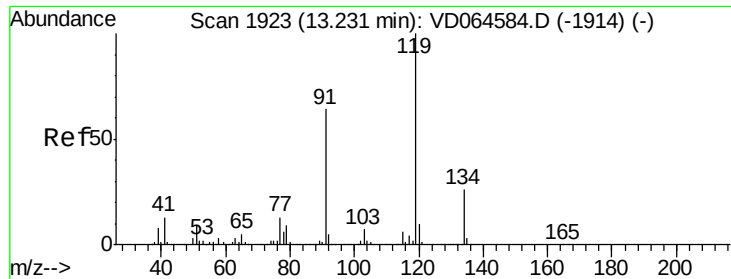
126 35.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

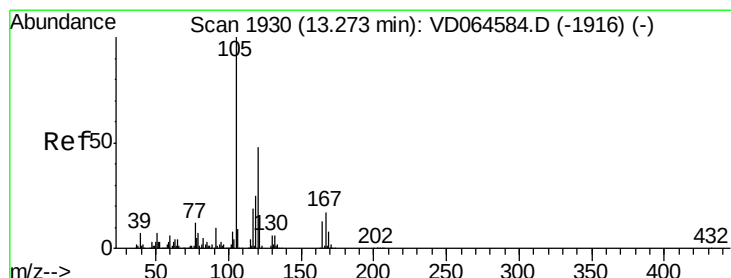
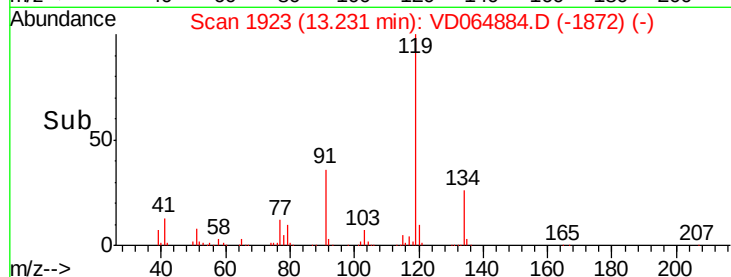
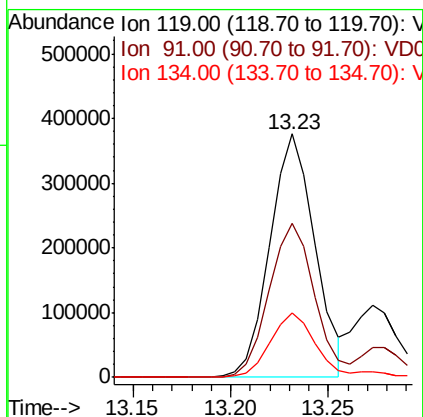
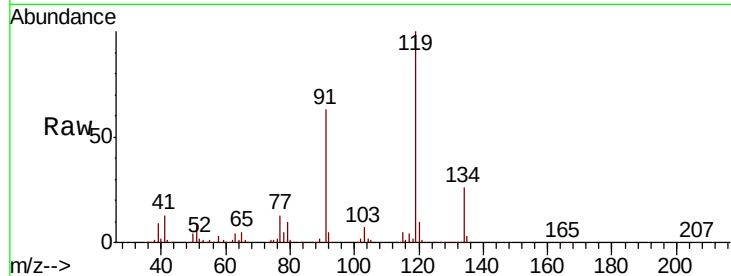




#83
 tert-Butylbenzene
 Concen: 55.426 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

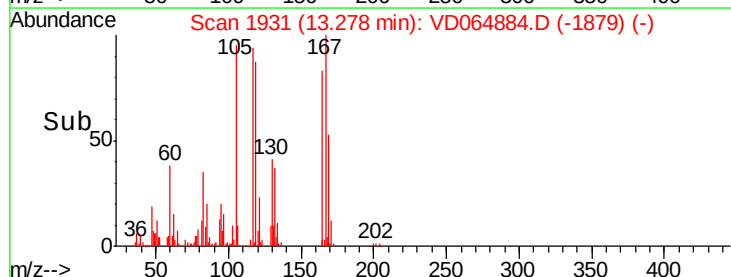
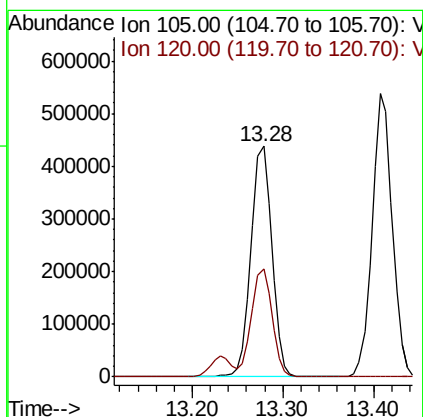
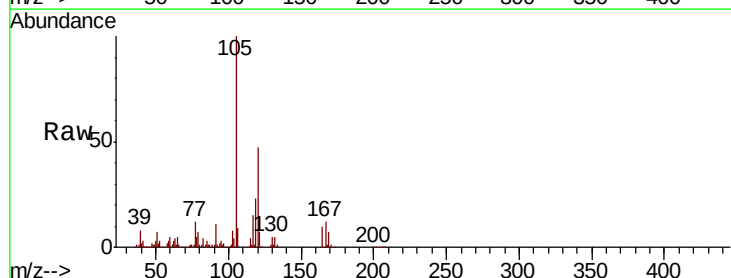
Instrument :
 MSVOA_D
 ClientSampleId :

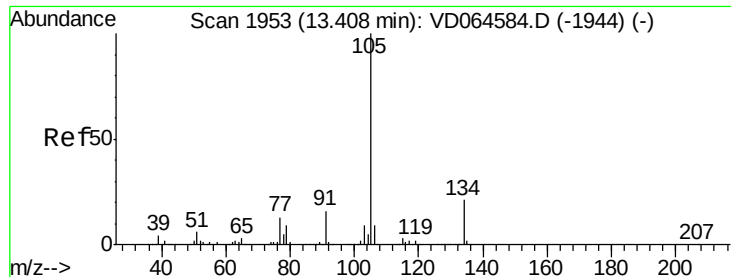
Tot Ion:119 Resp: 600023
 Ion Ratio Lower Upper
 119 100
 91 64.4 30.8 92.4
 134 28.0 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 56.549 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion:105 Resp: 702204
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.8 71.2





#85

sec-Butylbenzene

Concen: 55.971 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

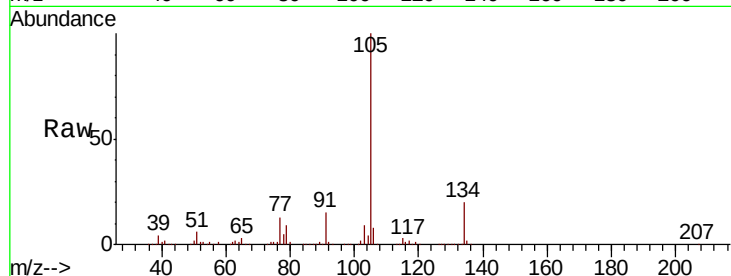
ClientSampleId :

Tot Ion:105 Resp: 830693

Ion Ratio Lower Upper

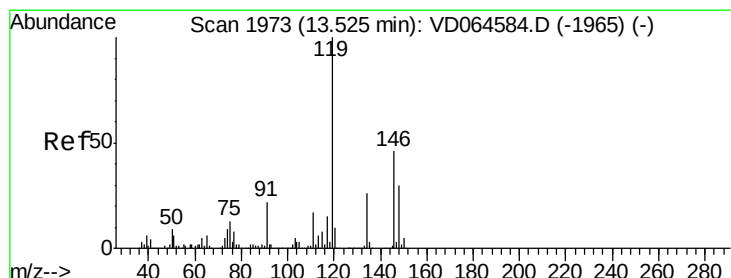
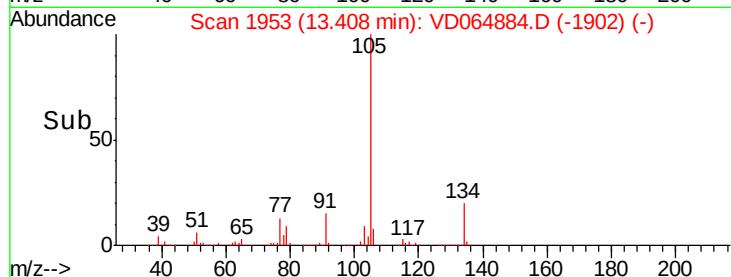
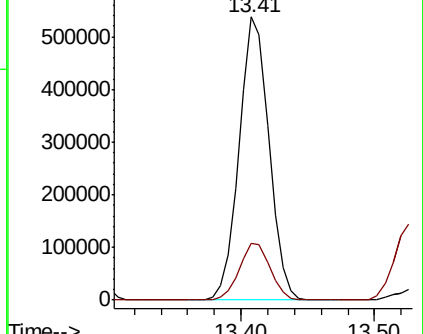
105 100

134 20.6 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: 56.106 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

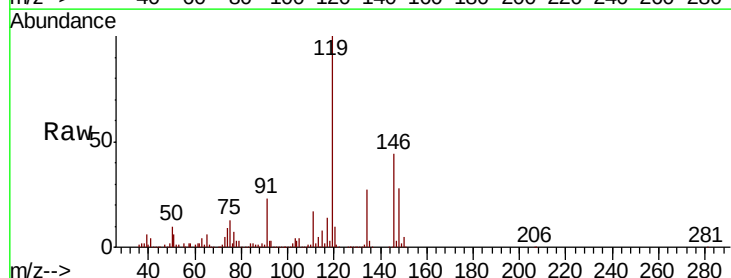
Tgt Ion:119 Resp: 796211

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

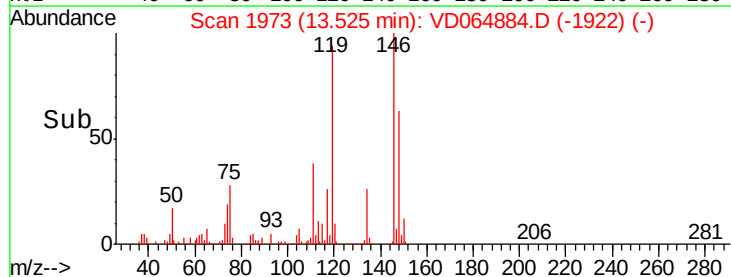
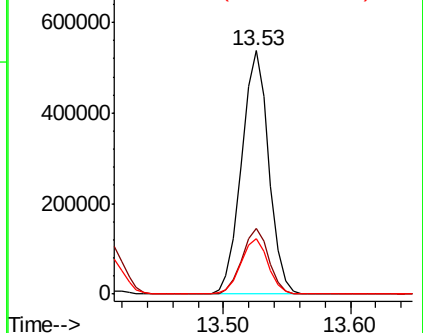
91 22.9 11.2 33.6

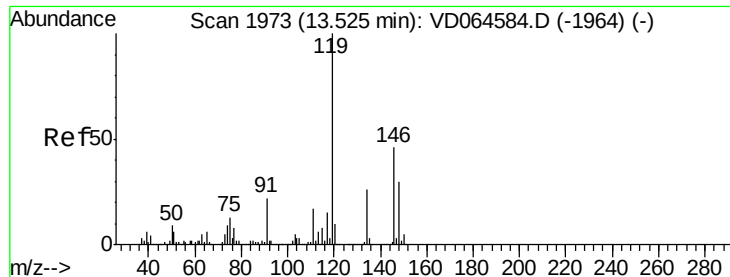


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

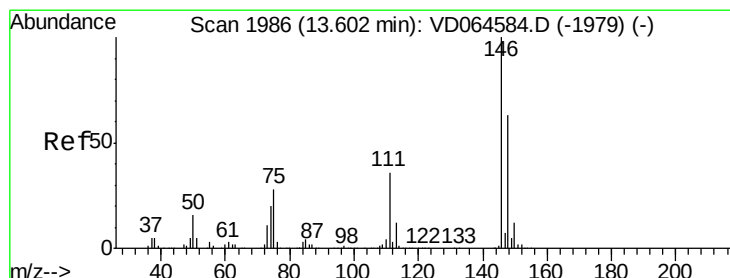
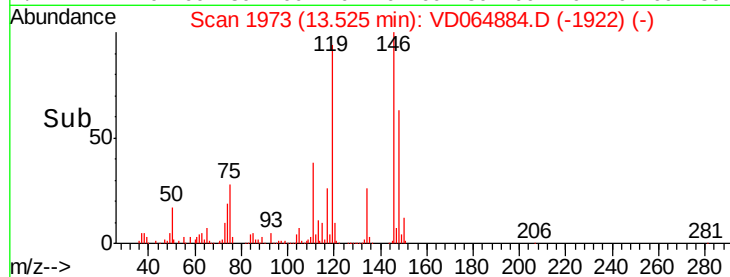
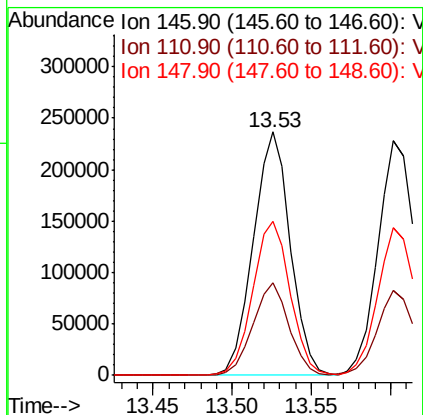
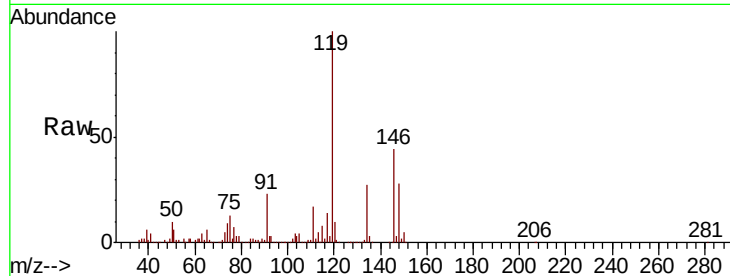




#87
 1,3-Dichlorobenzene
 Concen: 54.034 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

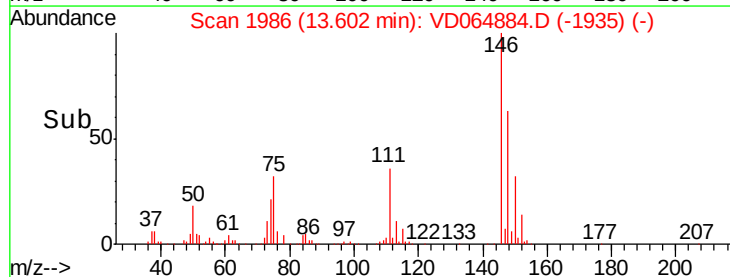
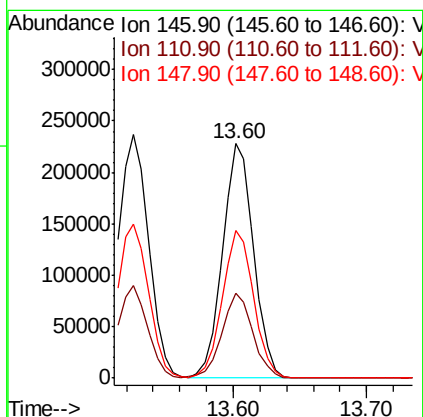
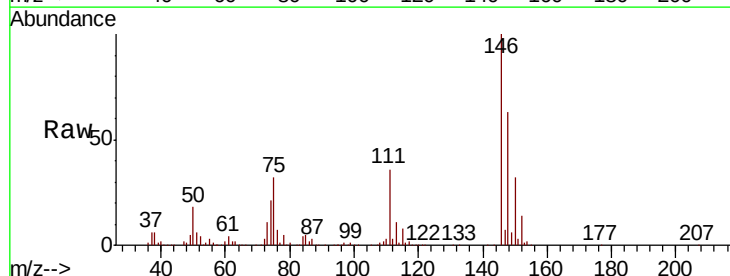
Instrument :
 MSVOA_D
 ClientSampleId :

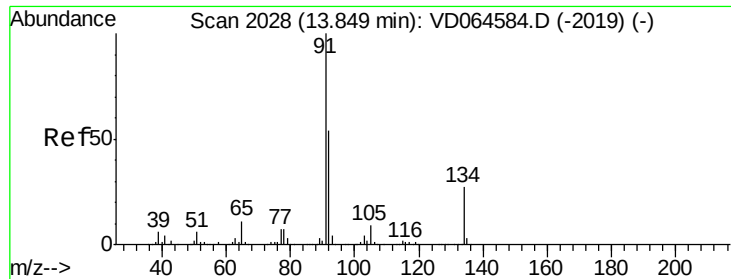
Tot Ion:146 Resp: 384170
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 63.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 53.045 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion:146 Resp: 370489
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.1
 148 63.3 32.3 96.9

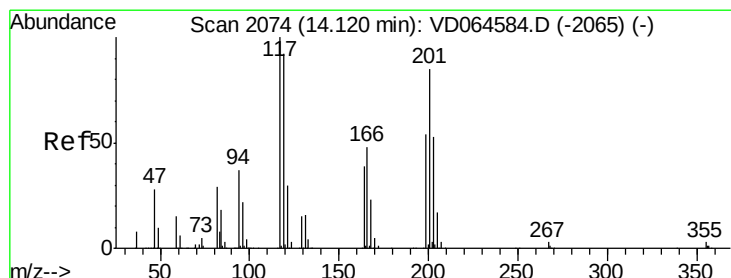
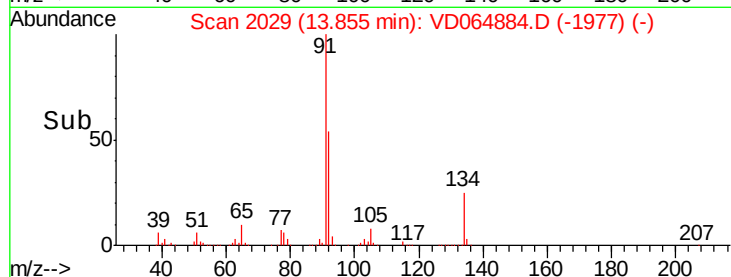
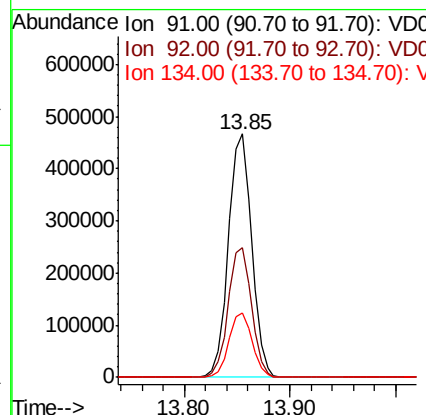
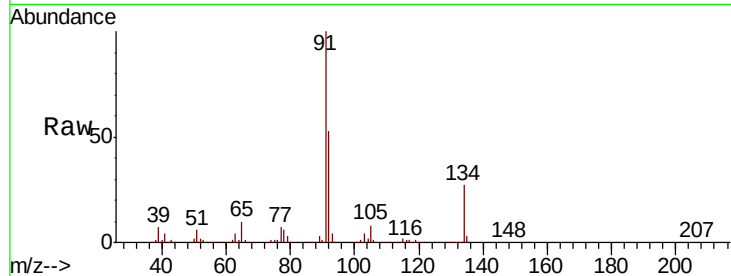




#89
n-Butylbenzene
Concen: 55.560 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

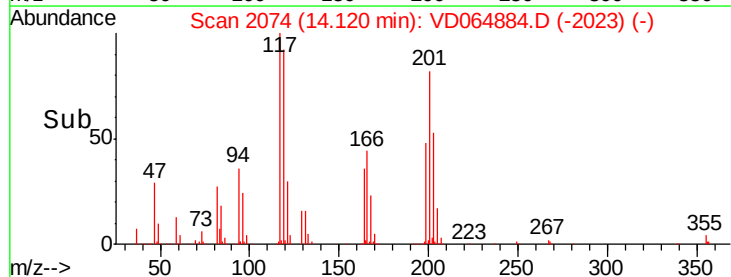
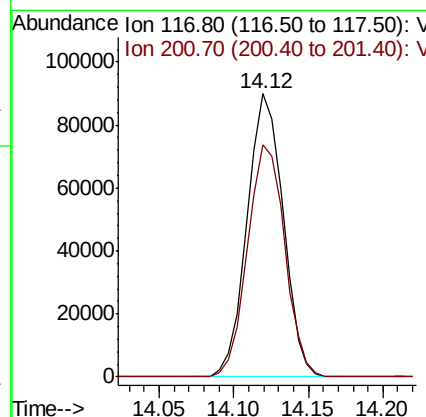
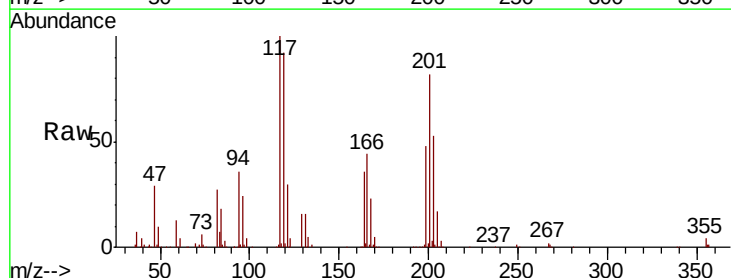
Instrument :
MSVOA_D
ClientSampleId :

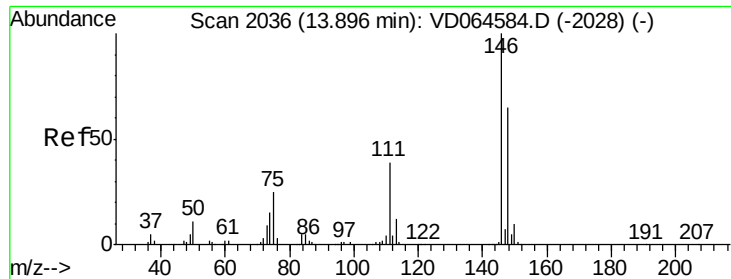
Tot Ion: 91 Resp: 710041
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 26.7 14.0 41.9



#90
Hexachloroethane
Concen: 55.517 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 117 Resp: 150496
Ion Ratio Lower Upper
117 100
201 84.4 44.0 131.8

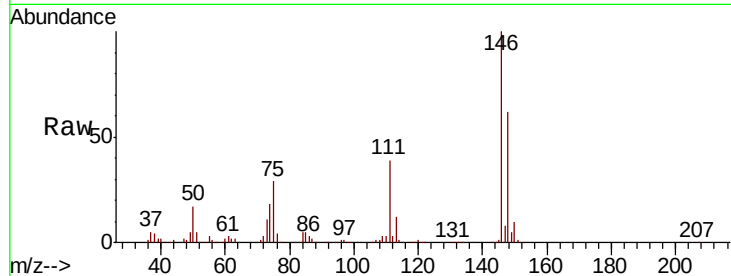




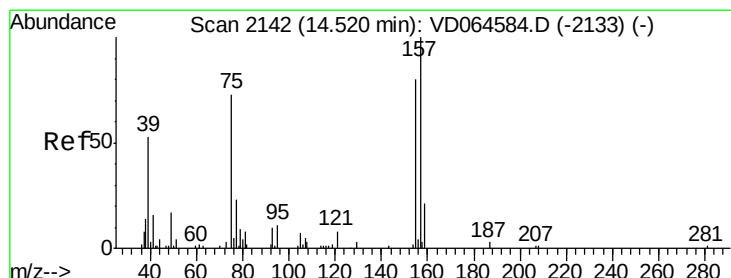
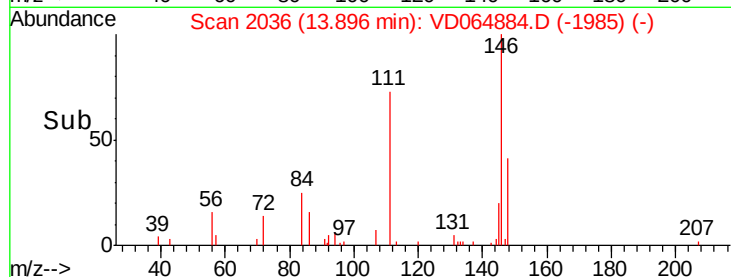
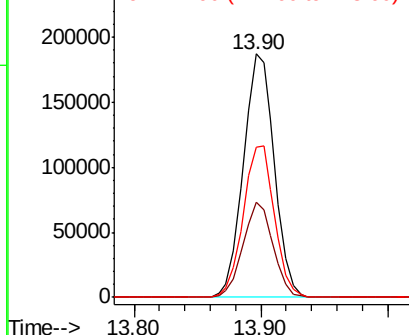
#91
 1,2-Dichlorobenzene
 Concen: 52.245 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	62.9	31.9	95.5

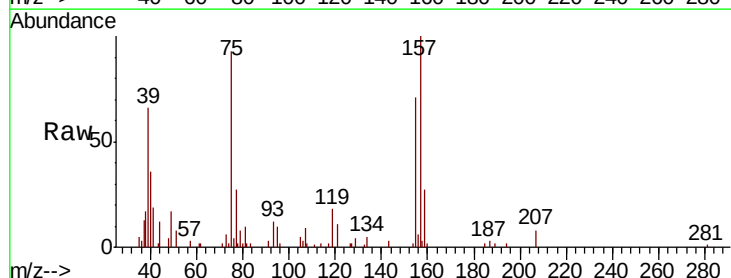


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

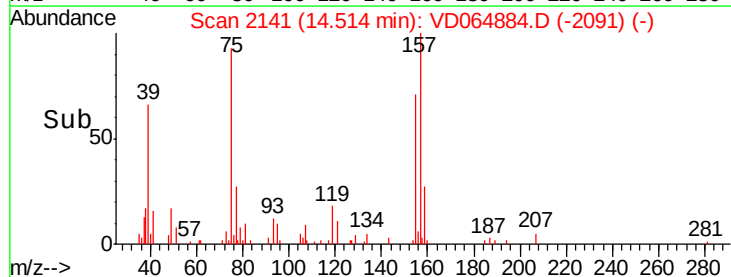
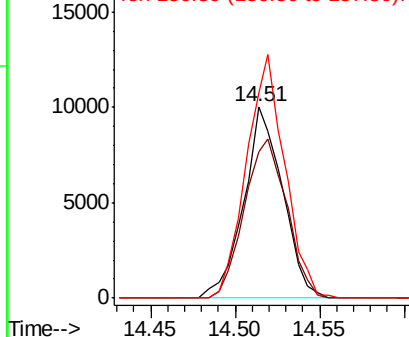


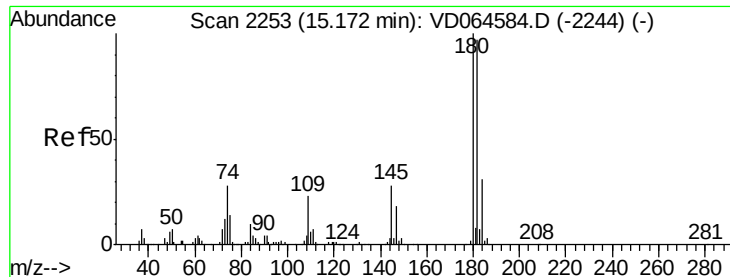
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.522 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	48.0	144.0
157	125.9	64.1	192.3



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

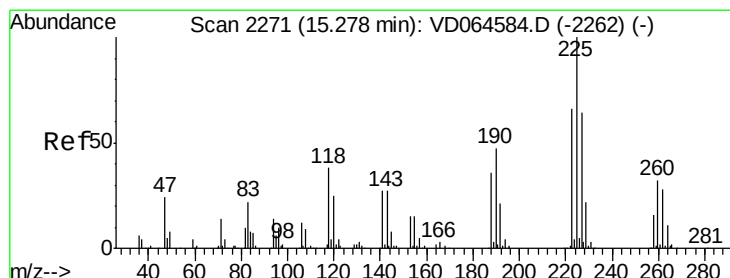
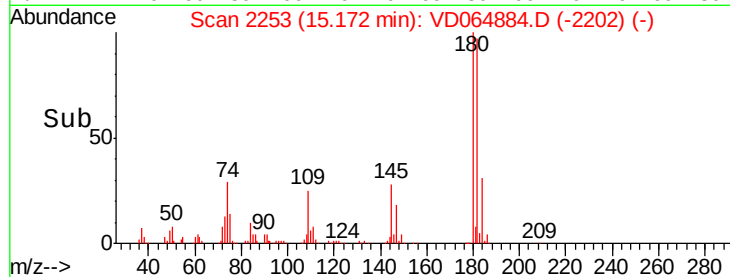
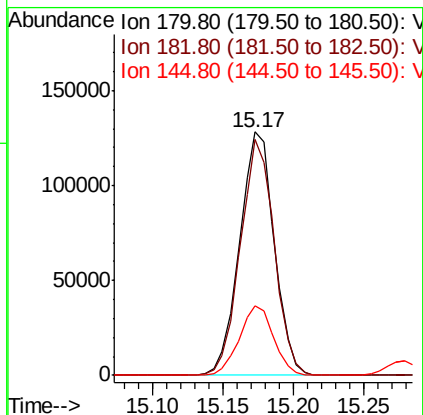
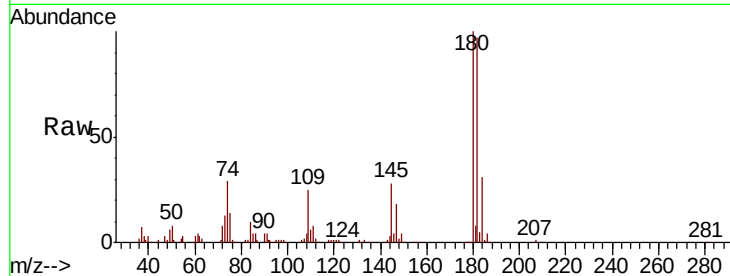




#93
 1,2,4-Trichlorobenzene
 Concen: 49.258 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

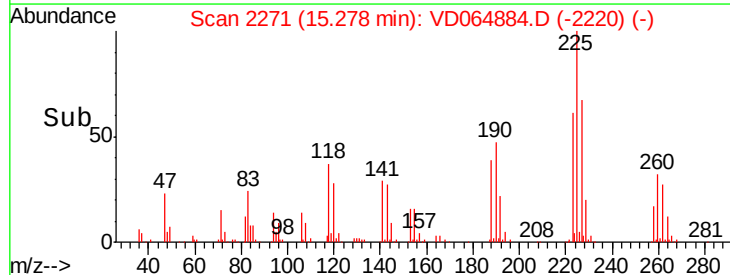
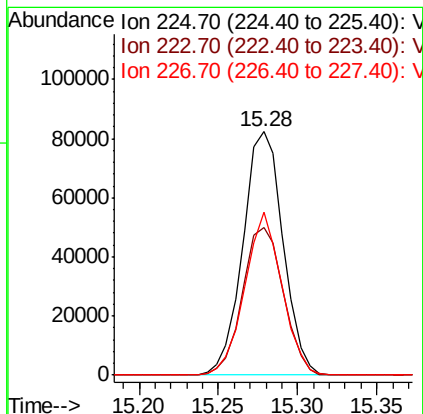
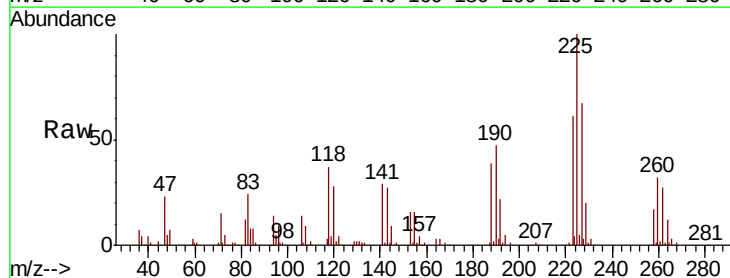
Instrument :
 MSVOA_D
 ClientSampleId :

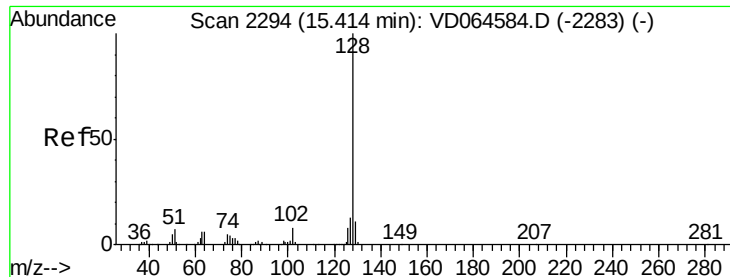
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.2
145	28.3	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 51.586 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.2
227	62.0	30.9	92.7

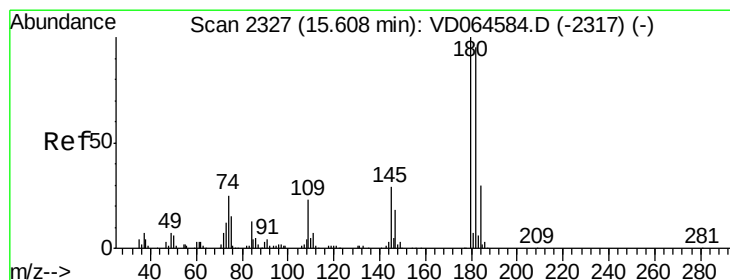
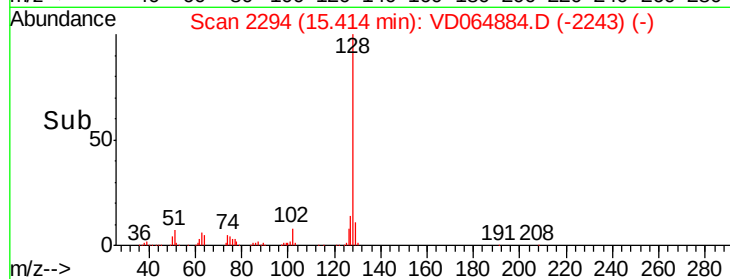
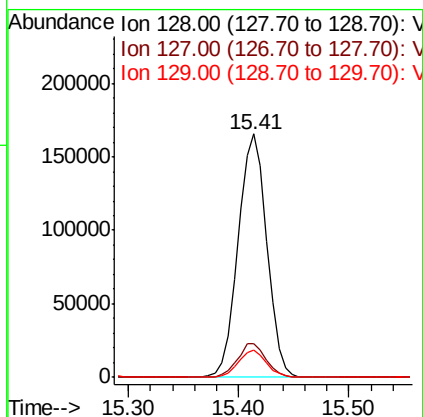
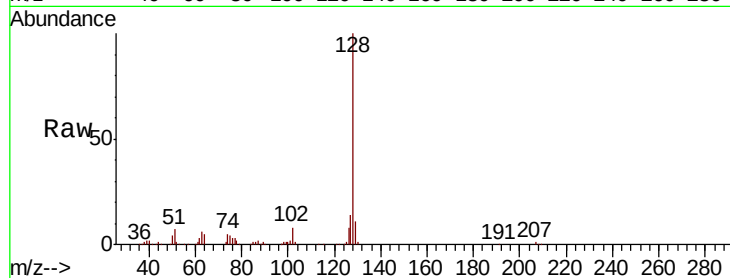




#95
Naphthalene
Concen: 42.898 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 302944
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 47.025 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion:180 Resp: 179206
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 29.4 14.9 44.7

