

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
 Data File : VD064855.D
 Acq On : 13 Jan 2020 17:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 14 11:34:50 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	348667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241531	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	186525	60.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.34%	
35) Dibromofluoromethane	7.92	113	180183	55.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.54%	
50) Toluene-d8	10.34	98	668356	53.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	219138	55.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	119147	43.971	ug/l	95
3) Chloromethane	2.21	50	196776	51.925	ug/l	100
4) Vinyl Chloride	2.35	62	227934	49.330	ug/l	99
5) Bromomethane	2.77	94	158070	47.050	ug/l	96
6) Chloroethane	2.92	64	161232	52.077	ug/l	98
7) Trichlorofluoromethane	3.27	101	377711	48.549	ug/l	100
8) Diethyl Ether	3.71	74	86239	55.820	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	165741	51.440	ug/l	98
10) Methyl Iodide	4.30	142	181889	52.555	ug/l	99
11) Tert butyl alcohol	5.26	59	54172	307.444	ug/l	97
12) 1,1-Dichloroethene	4.06	96	155284	50.622	ug/l	97
13) Acrolein	3.92	56	58289	237.369	ug/l	99
14) Allyl chloride	4.71	41	268870	56.218	ug/l	99
15) Acrylonitrile	5.43	53	198693	308.761	ug/l	97
16) Acetone	4.17	43	227948	372.635	ug/l	92
17) Carbon Disulfide	4.40	76	460830	46.460	ug/l	96
18) Methyl Acetate	4.72	43	105770	61.106	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	420701	61.746	ug/l	96
20) Methylene Chloride	4.96	84	199198	64.797	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	189515	54.249	ug/l	98
22) Diisopropyl ether	6.37	45	587765	61.614	ug/l	97
23) Vinyl Acetate	6.31	43	1648624	304.661	ug/l	98
24) 1,1-Dichloroethane	6.26	63	342394	59.788	ug/l	99
25) 2-Butanone	7.23	43	284704	336.885	ug/l	99
26) 2,2-Dichloropropane	7.21	77	287752	54.043	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222062	58.899	ug/l	99
28) Bromochloromethane	7.55	49	136765	61.435	ug/l	98
29) Tetrahydrofuran	7.57	42	165670	315.231	ug/l	98
30) Chloroform	7.71	83	364950	60.740	ug/l	100
31) Cyclohexane	7.99	56	274756	47.929	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	318719	56.476	ug/l	100
36) 1,1-Dichloropropene	8.11	75	262966	51.413	ug/l	99
37) Ethyl Acetate	7.30	43	120529	59.985	ug/l	99
38) Carbon Tetrachloride	8.10	117	286679	52.565	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	298654	48.210	ug/l	96
40) Benzene	8.36	78	773898	55.426	ug/l	98
41) Methacrylonitrile	7.53	41	69298	59.442	ug/l	95
42) 1,2-Dichloroethane	8.43	62	236847	58.700	ug/l	98
43) Isopropyl Acetate	8.46	43	233226	58.315	ug/l	99
44) Trichloroethene	9.11	130	212479	51.801	ug/l	98
45) 1,2-Dichloropropane	9.39	63	192464	57.732	ug/l	95
46) Dibromomethane	9.48	93	105701	56.868	ug/l	99
47) Bromodichloromethane	9.67	83	289804	58.595	ug/l	98
48) Methyl methacrylate	9.46	41	105923	56.248	ug/l	87
49) 1,4-Dioxane	9.47	88	25231	1177.259	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	607807	307.467	ug/l	100
52) Toluene	10.41	92	504386	55.060	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	266650	57.827	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	315231	57.977	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	146953	58.666	ug/l	95
56) Ethyl methacrylate	10.67	69	188064	60.117	ug/l	97
57) 1,3-Dichloropropane	10.95	76	251874	58.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	320011	268.498	ug/l	99
59) 2-Hexanone	10.99	43	433541	323.126	ug/l	99
60) Dibromochloromethane	11.14	129	198422	57.282	ug/l	98
61) 1,2-Dibromoethane	11.25	107	143026	57.890	ug/l	100
64) Tetrachloroethene	10.88	164	208017	57.214	ug/l	95
65) Chlorobenzene	11.67	112	543070	55.213	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	216699	58.441	ug/l	97
67) Ethyl Benzene	11.75	91	973765	54.544	ug/l	99
68) m/p-Xylenes	11.86	106	761033	110.442	ug/l	100
69) o-Xylene	12.18	106	344230	55.306	ug/l	98
70) Styrene	12.20	104	626159	57.314	ug/l	99
71) Bromoform	12.37	173	121022	57.232	ug/l #	100
73) Isopropylbenzene	12.48	105	921512	53.389	ug/l	100
74) N-amyl acetate	12.30	43	217650	58.990	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	155880	57.490	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	209977	110.093	ug/l #	100
77) Bromobenzene	12.77	156	231666	54.624	ug/l	97
78) n-propylbenzene	12.83	91	1072640	53.269	ug/l	99
79) 2-Chlorotoluene	12.91	91	599891	54.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	764051	53.888	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	50749	55.650	ug/l	96
82) 4-Chlorotoluene	13.01	91	642171	54.552	ug/l	100
83) tert-Butylbenzene	13.23	119	649975	52.798	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	766176	54.258	ug/l	100
85) sec-Butylbenzene	13.41	105	891717	52.836	ug/l	99
86) p-Isopropyltoluene	13.52	119	843867	52.292	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	439563	54.368	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	423254	53.290	ug/l	99
89) n-Butylbenzene	13.85	91	752113	51.754	ug/l	99
90) Hexachloroethane	14.12	117	165010	53.529	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	371077	53.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24743	56.291	ug/l	97

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

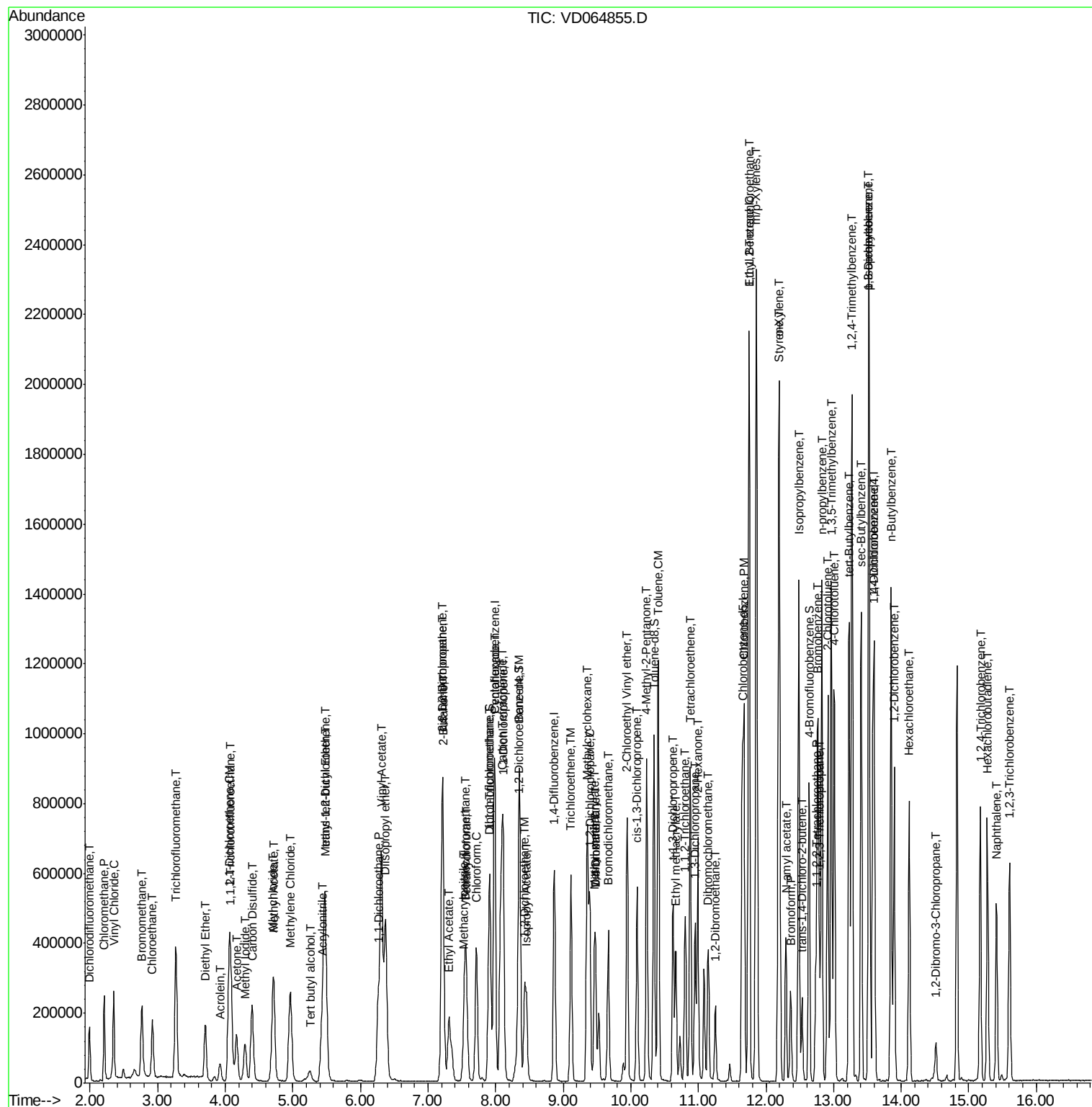
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	261563	51.527	ug/l	99
94) Hexachlorobutadiene	15.28	225	155440	48.661	ug/l	99
95) Naphthalene	15.41	128	435926	54.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	225184	51.963	ug/l	99

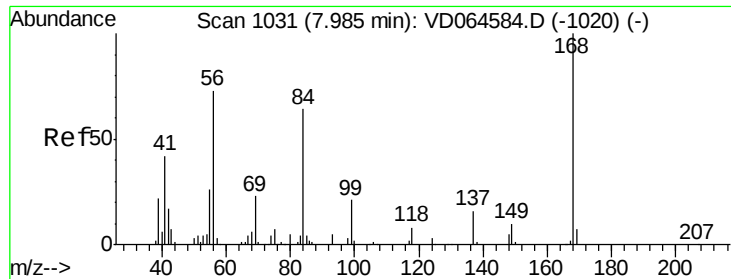
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

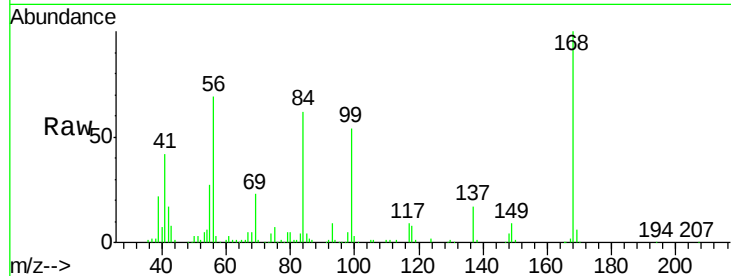
VSTDCCC050EC

Tgt Ion:168 Resp: 348667

Ion Ratio Lower Upper

168 100

99 54.0 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

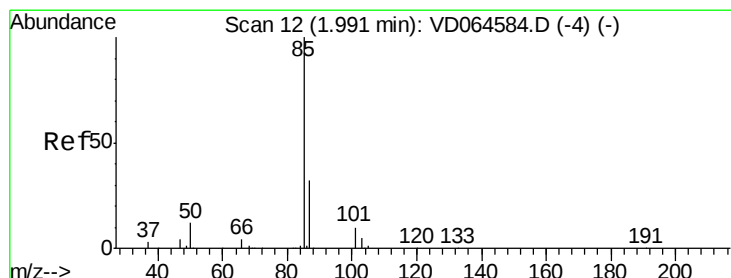
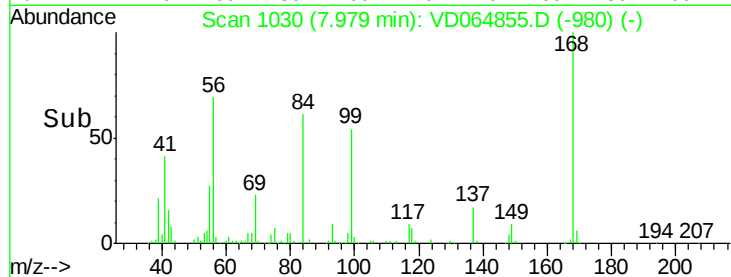
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.971 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064855.D

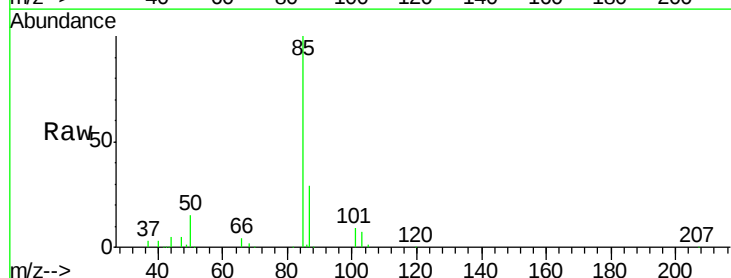
Acq: 13 Jan 2020 17:57

Tgt Ion: 85 Resp: 119147

Ion Ratio Lower Upper

85 100

87 29.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

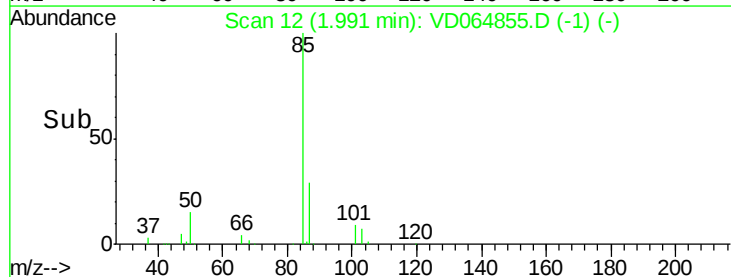
40000

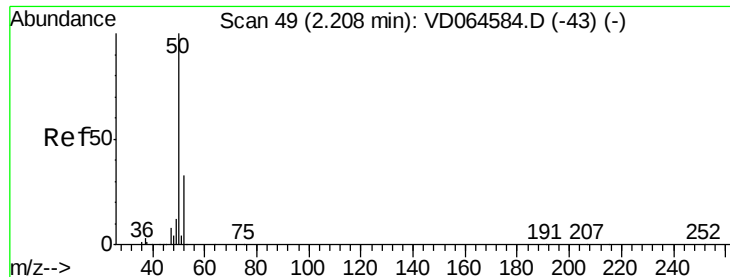
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.925 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

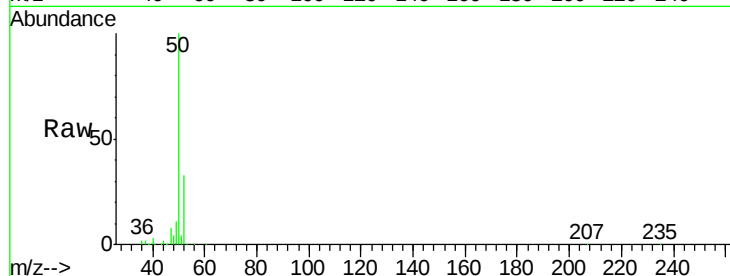
VSTDCCC050EC

Tgt Ion: 50 Resp: 196776

Ion Ratio Lower Upper

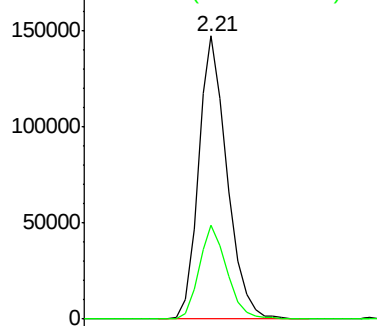
50 100

52 33.3 26.5 39.7

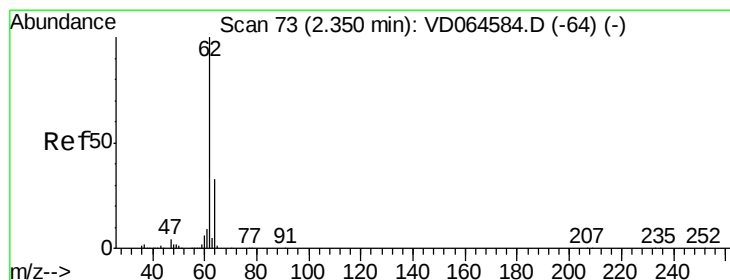
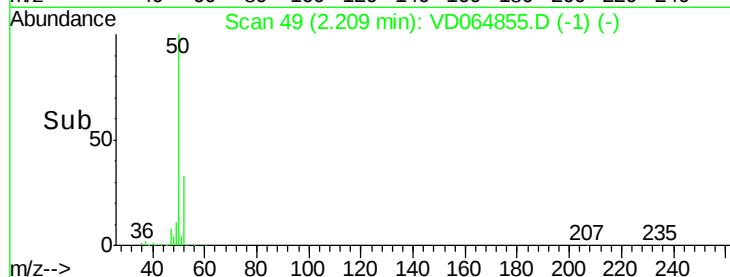


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 49.330 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064855.D

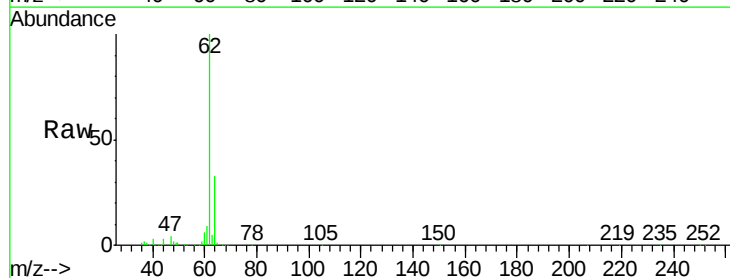
Acq: 13 Jan 2020 17:57

Tgt Ion: 62 Resp: 227934

Ion Ratio Lower Upper

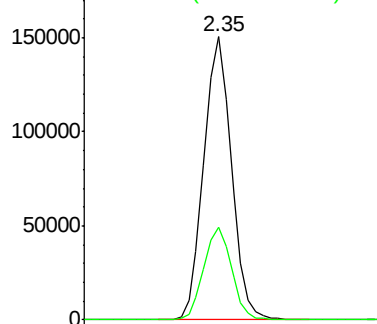
62 100

64 32.6 26.6 40.0

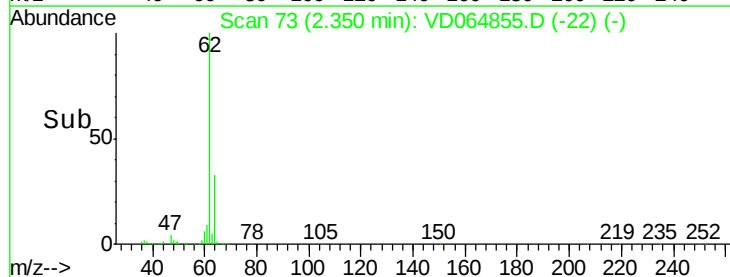


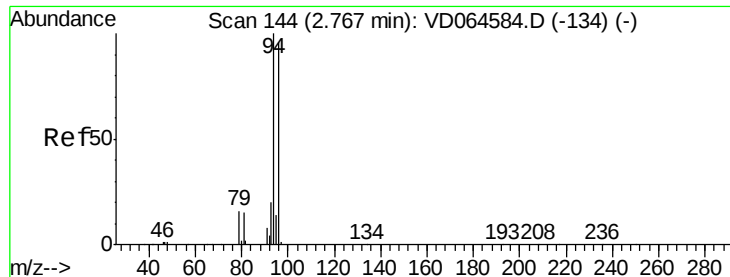
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 47.050 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

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ClientSampleId :

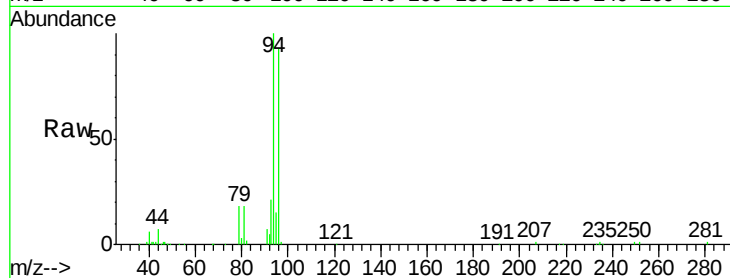
VSTDCCC050EC

Tgt Ion: 94 Resp: 158070

Ion Ratio Lower Upper

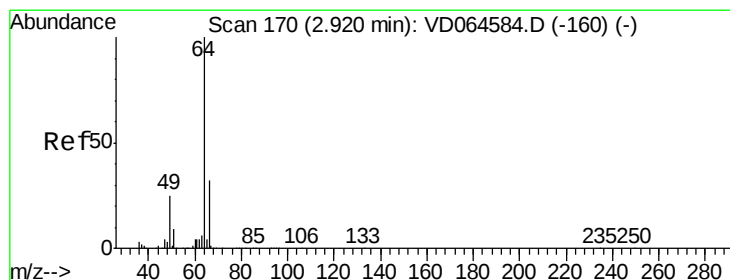
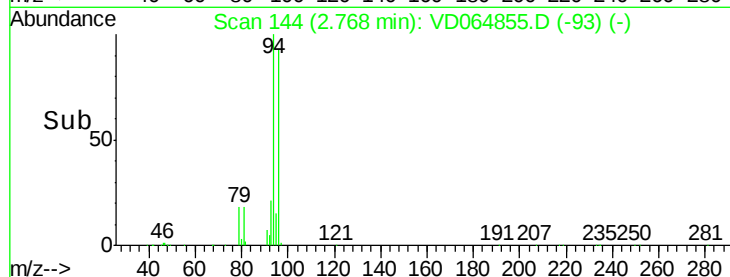
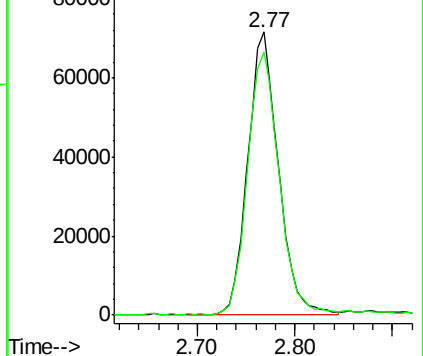
94 100

96 92.6 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: 52.077 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064855.D

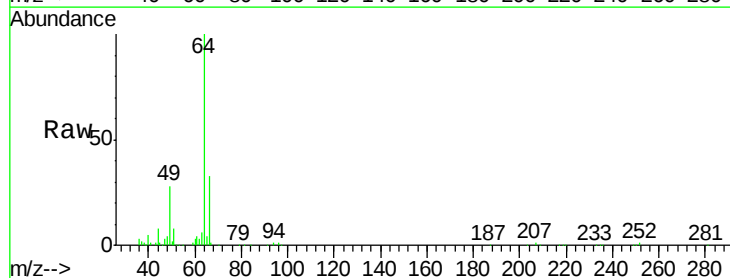
Acq: 13 Jan 2020 17:57

Tgt Ion: 64 Resp: 161232

Ion Ratio Lower Upper

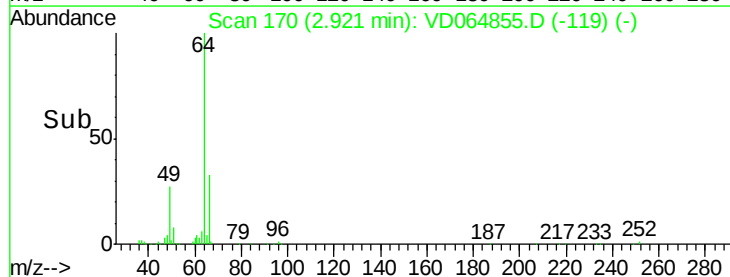
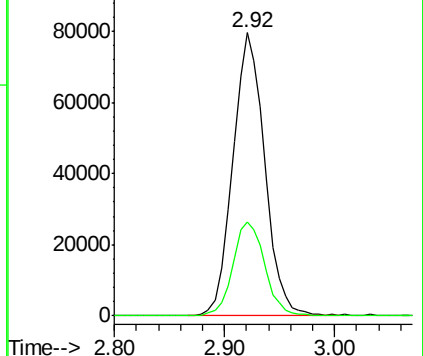
64 100

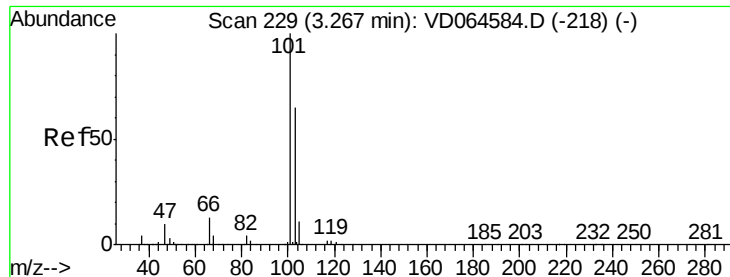
66 33.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



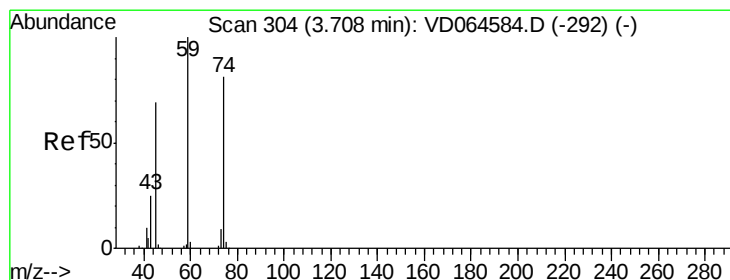
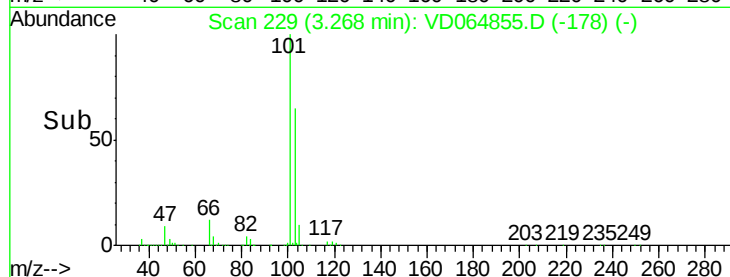
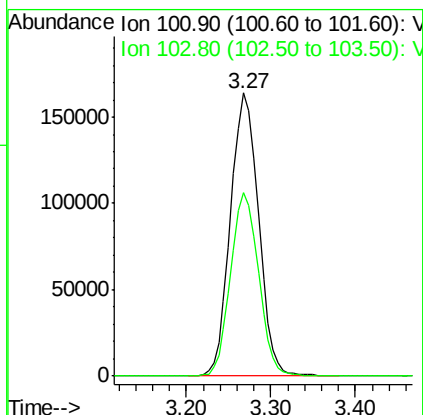
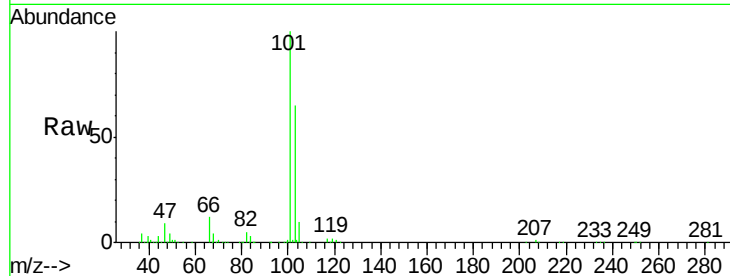


#7

Trichlorofluoromethane
 Concen: 48.549 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
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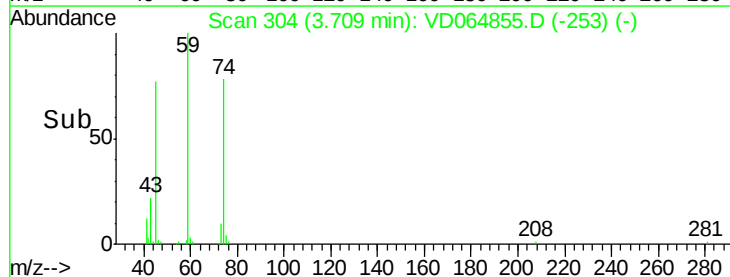
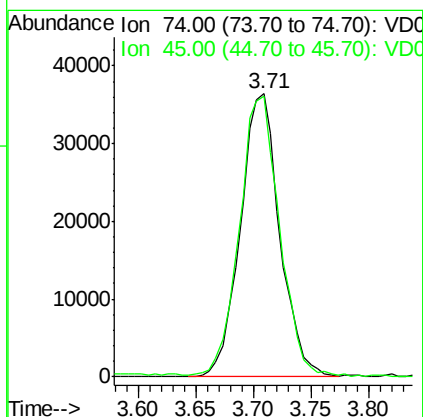
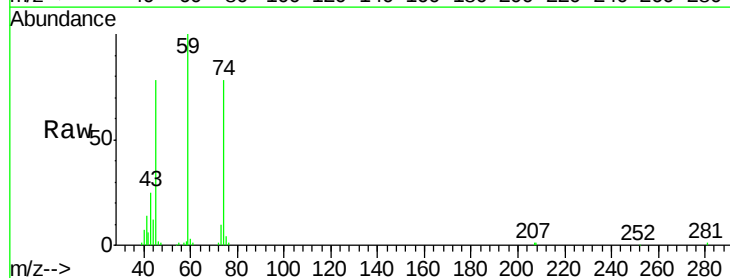
Tgt Ion:101 Resp: 377711
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.2 78.4



#8

Diethyl Ether
 Concen: 55.820 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 74 Resp: 86239
 Ion Ratio Lower Upper
 74 100
 45 102.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.440 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

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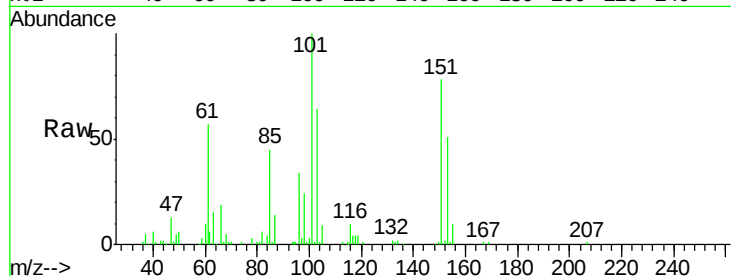
Tgt Ion:101 Resp: 165741

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

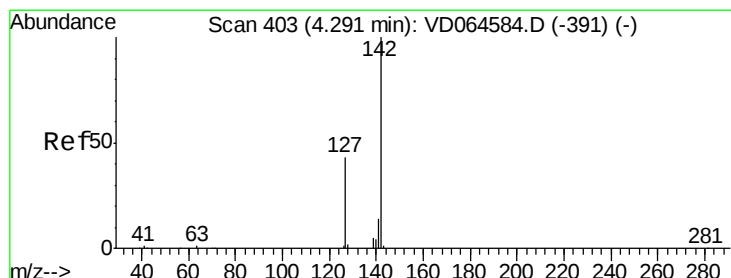
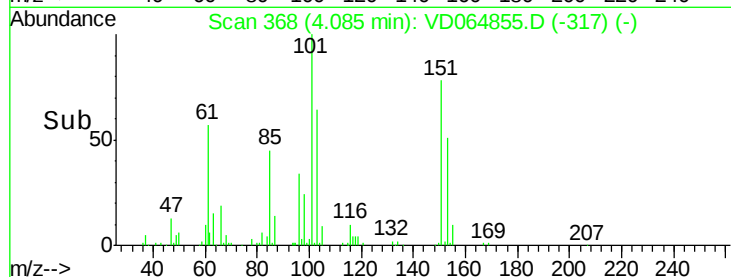
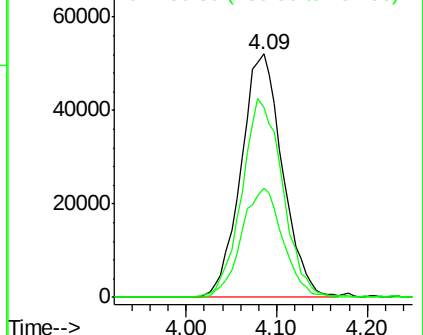
151 80.3 66.2 99.4



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: 52.555 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

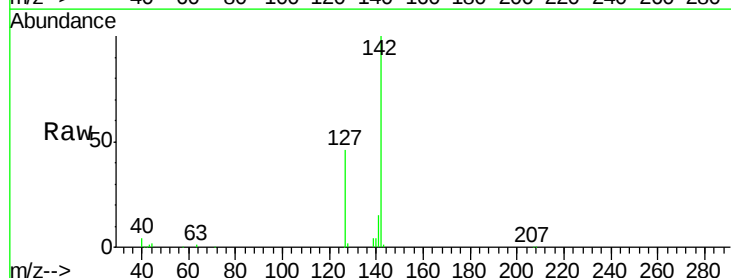
Tgt Ion:142 Resp: 181889

Ion Ratio Lower Upper

142 100

127 46.2 36.2 54.4

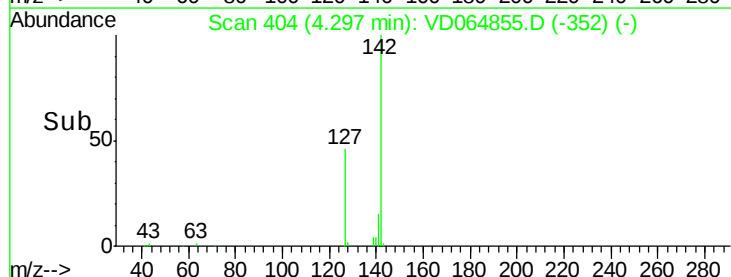
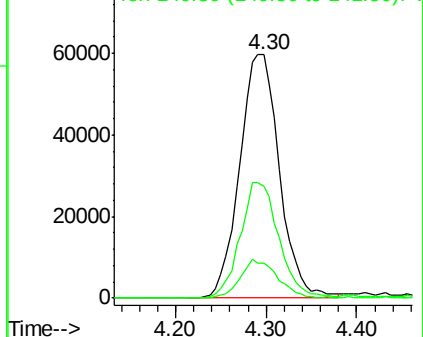
141 15.0 11.8 17.8



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

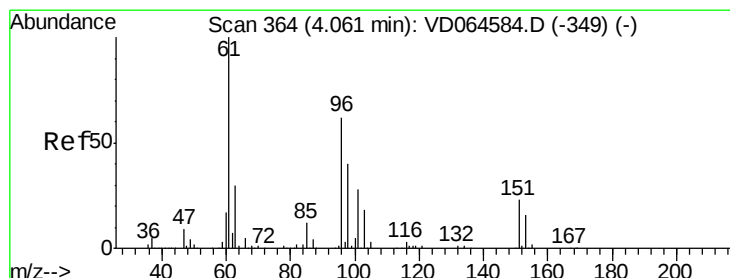
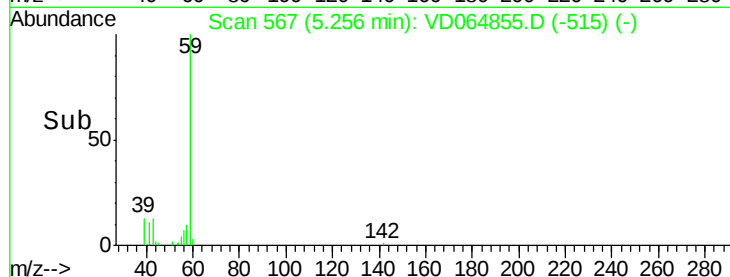
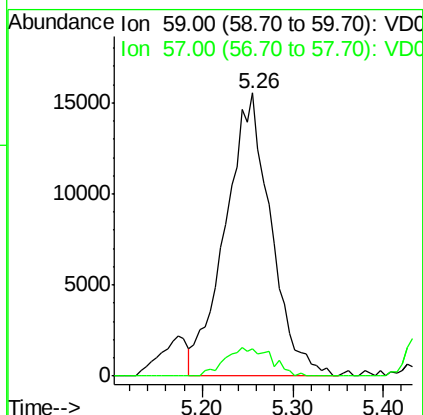
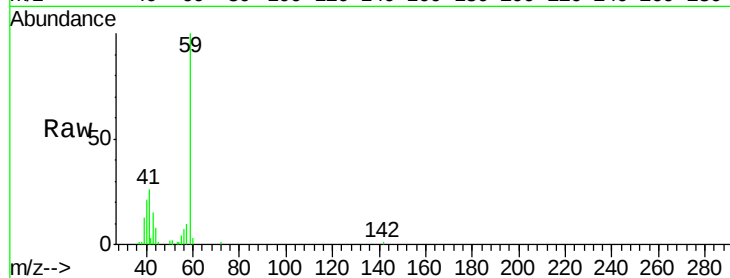




#11
Tert butyl alcohol
Concen: 307.444 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

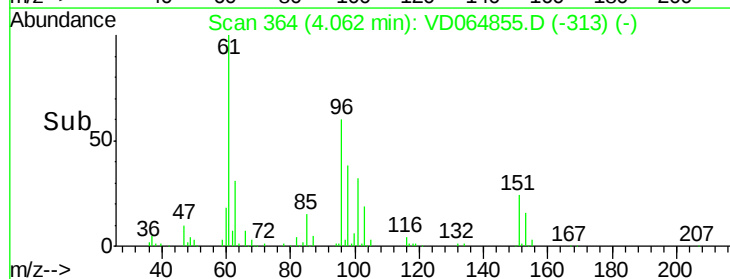
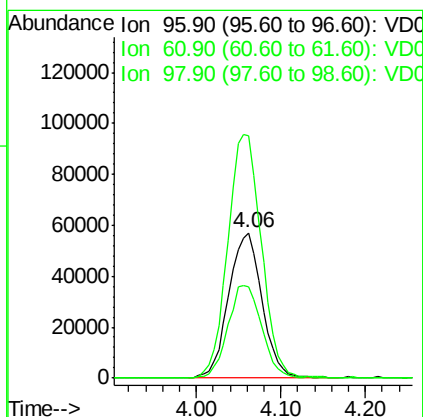
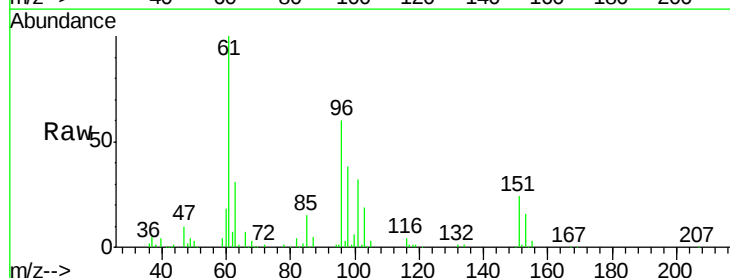
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

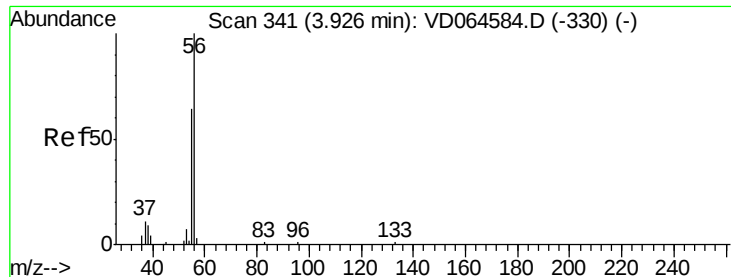
Tgt Ion: 59 Resp: 54172
Ion Ratio Lower Upper
59 100
57 10.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 50.622 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 96 Resp: 155284
Ion Ratio Lower Upper
96 100
61 166.4 129.4 194.0
98 63.0 51.4 77.0





#13

Acrolein

Concen: 237.369 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

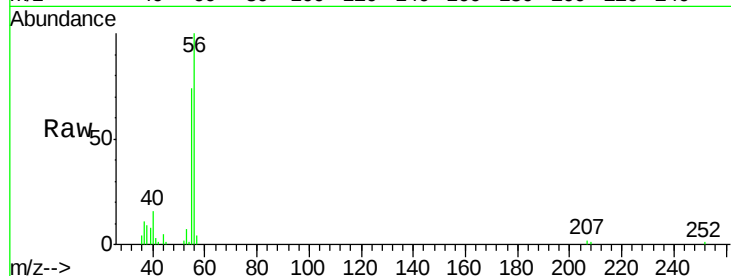
VSTDCCC050EC

Tgt Ion: 56 Resp: 58289

Ion Ratio Lower Upper

56 100

55 70.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

25000

20000

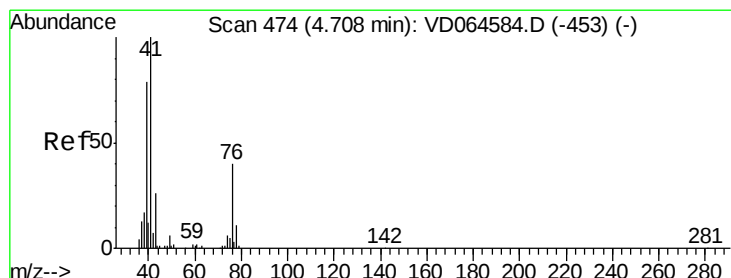
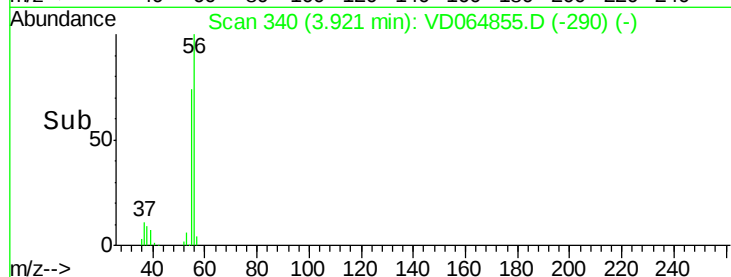
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 56.218 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

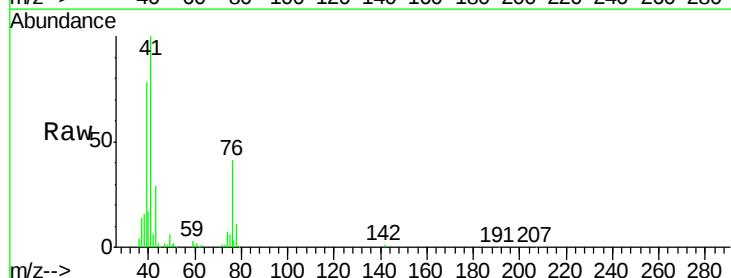
Tgt Ion: 41 Resp: 268870

Ion Ratio Lower Upper

41 100

39 77.0 62.3 93.5

76 37.6 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

100000

80000

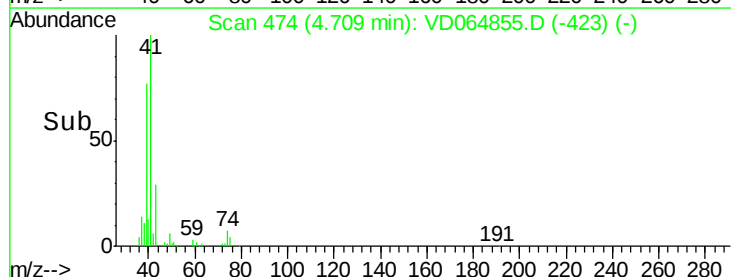
60000

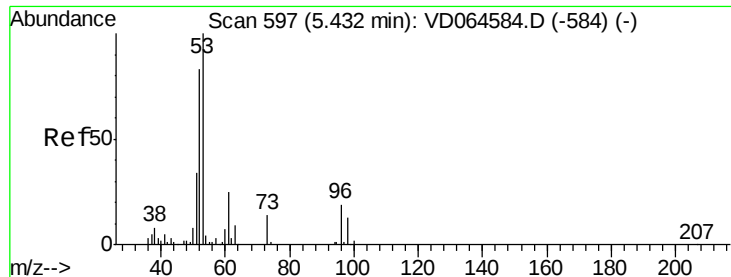
40000

20000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 308.761 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

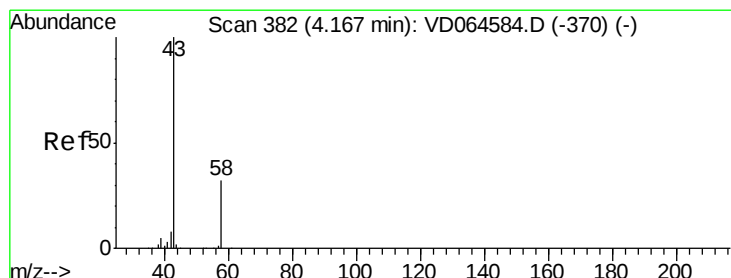
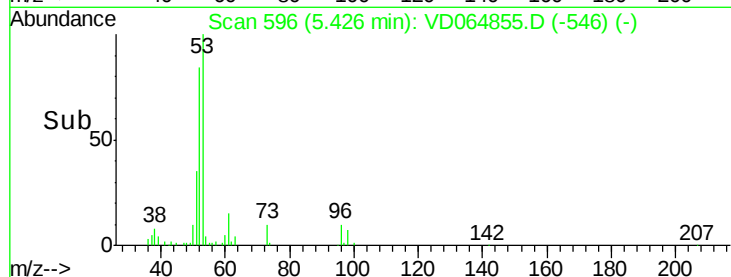
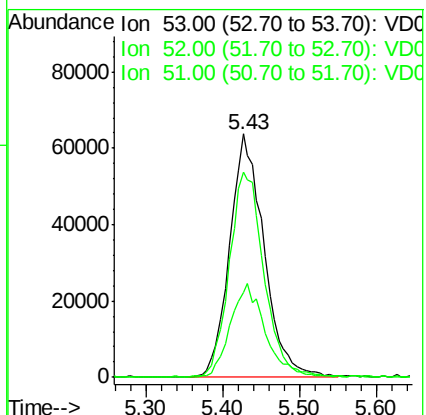
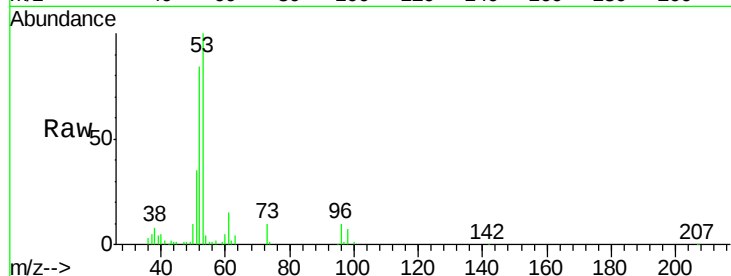
Tgt Ion: 53 Resp: 198693

Ion Ratio Lower Upper

53 100

52 85.1 66.2 99.2

51 39.2 30.1 45.1



#16

Acetone

Concen: 372.635 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064855.D

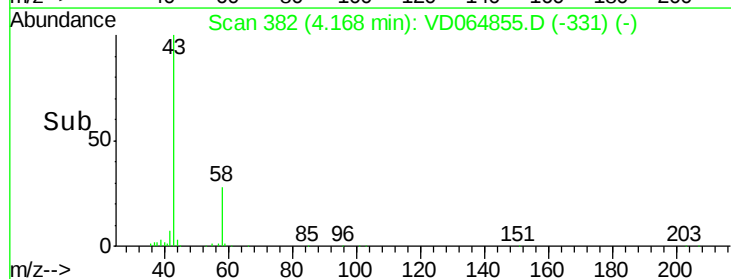
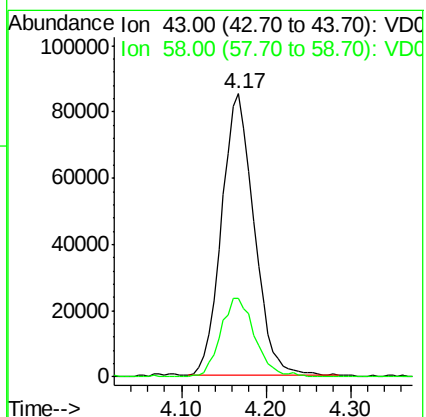
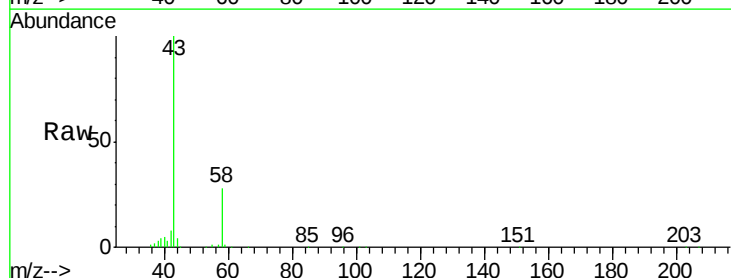
Acq: 13 Jan 2020 17:57

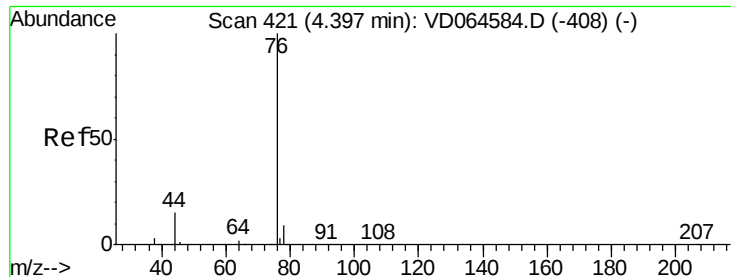
Tgt Ion: 43 Resp: 227948

Ion Ratio Lower Upper

43 100

58 27.5 25.8 38.6

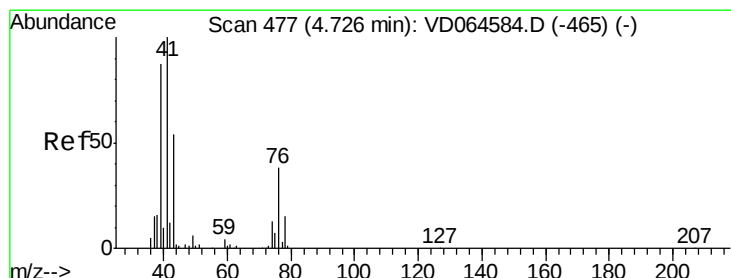
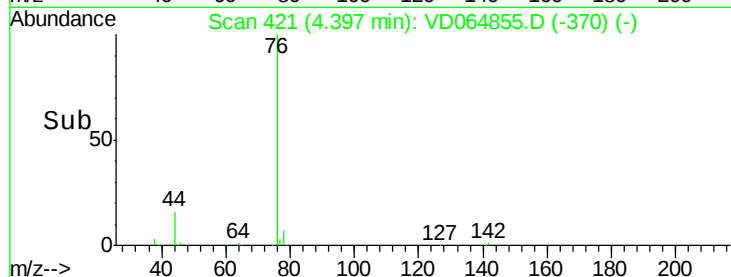
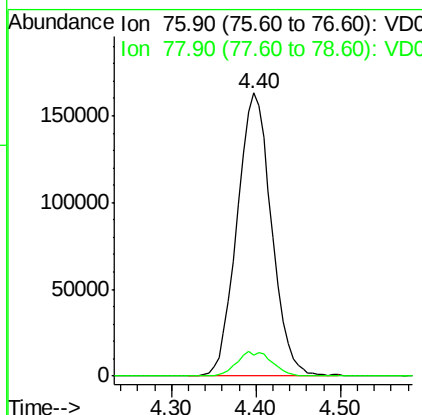
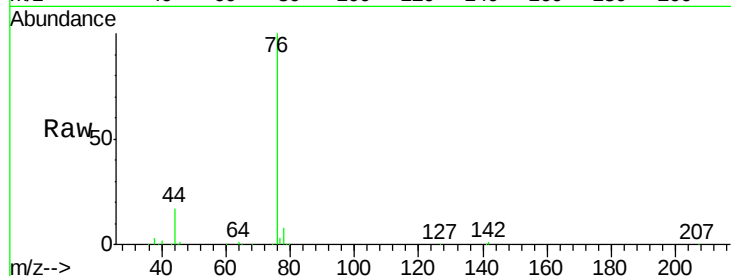




#17
Carbon Disulfide
Concen: 46.460 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

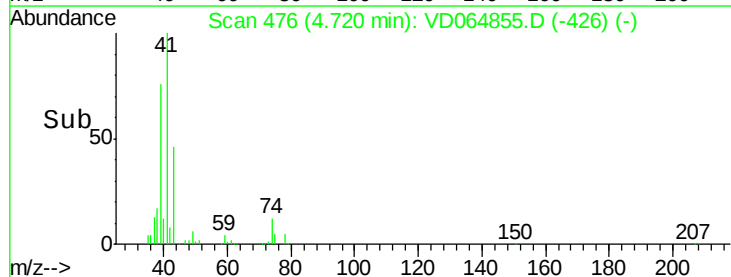
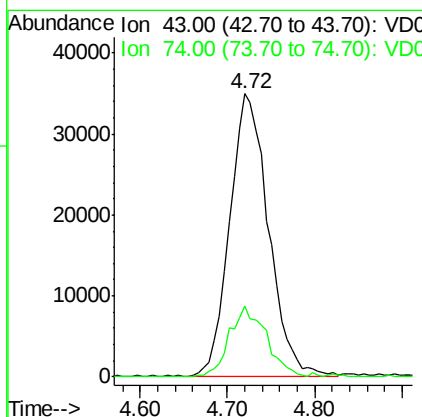
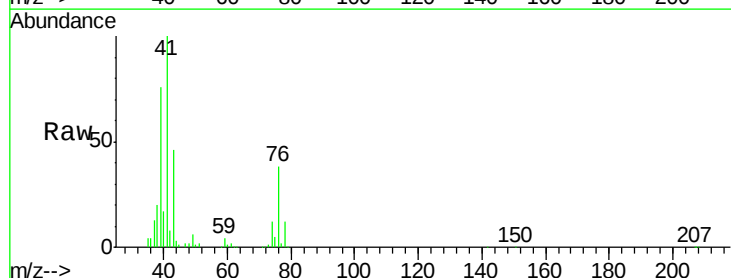
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 460830
Ion Ratio Lower Upper
76 100
78 7.6 7.3 10.9



#18
Methyl Acetate
Concen: 61.106 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 43 Resp: 105770
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



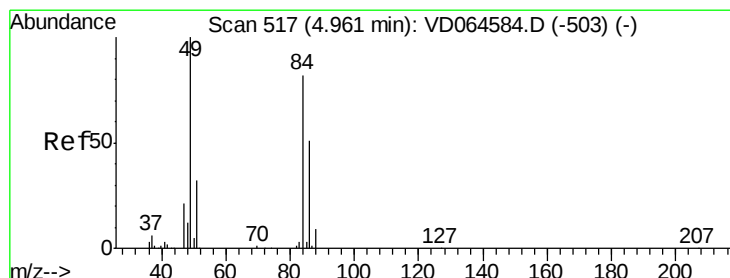
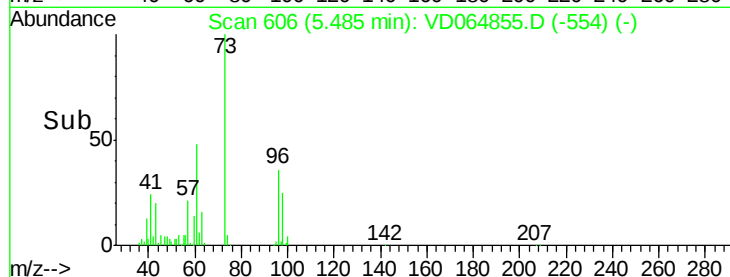
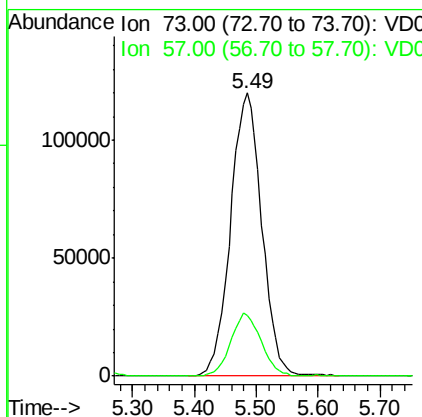
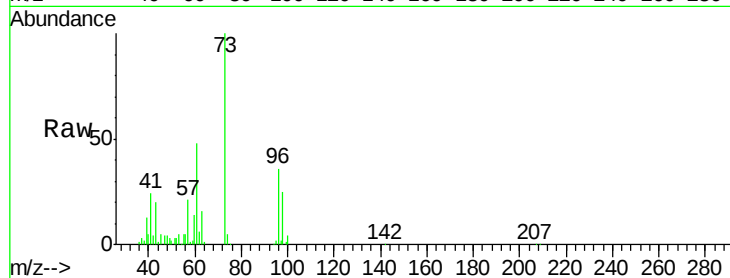


#19

Methyl tert-butyl Ether
 Concen: 61.746 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

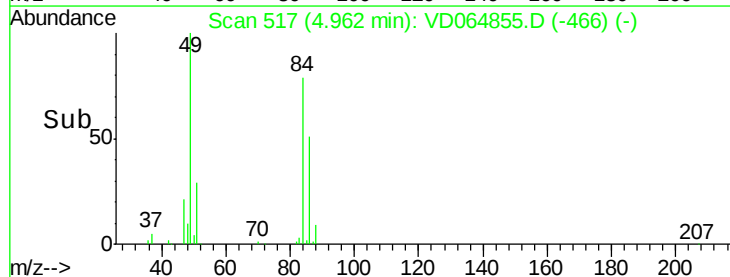
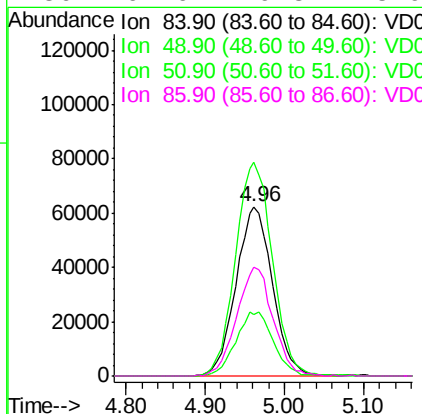
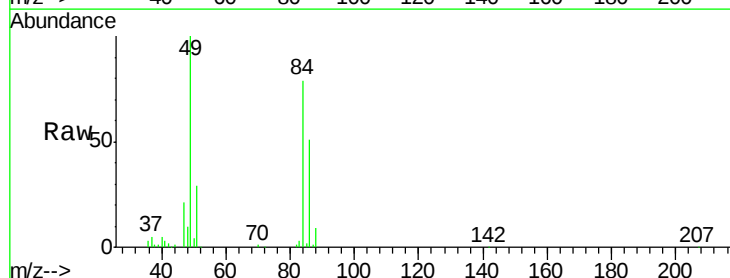
Tgt Ion: 73 Resp: 420701
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.6 27.8

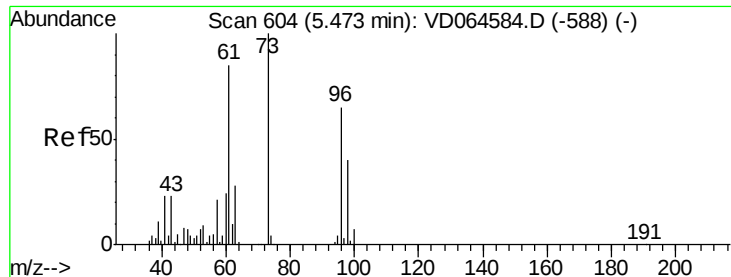


#20

Methylene Chloride
 Concen: 64.797 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 84 Resp: 199198
 Ion Ratio Lower Upper
 84 100
 49 126.3 97.2 145.8
 51 36.6 31.4 47.0
 86 64.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 54.249 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

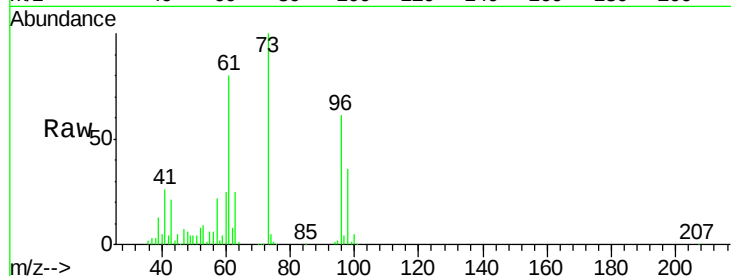
Tgt Ion: 96 Resp: 189515

Ion Ratio Lower Upper

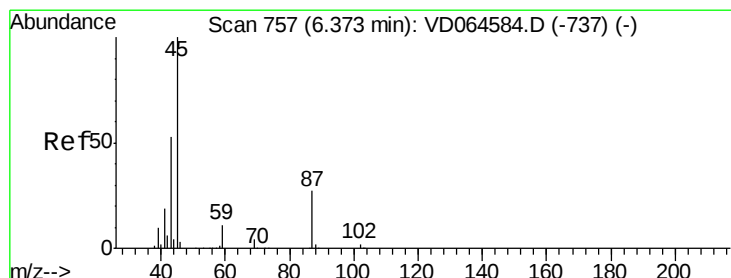
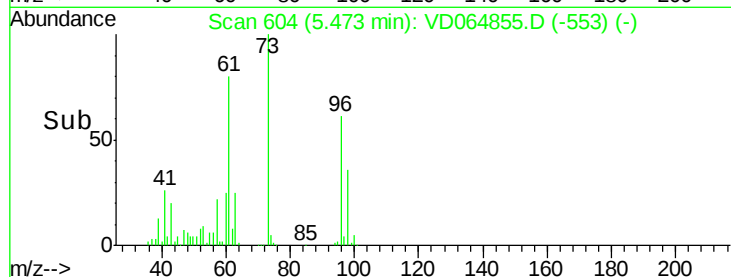
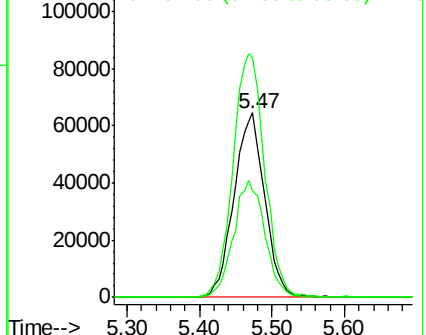
96 100

61 129.7 104.7 157.1

98 58.0 49.4 74.2



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



#22

Diisopropyl ether

Concen: 61.614 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Tgt Ion: 45 Resp: 587765

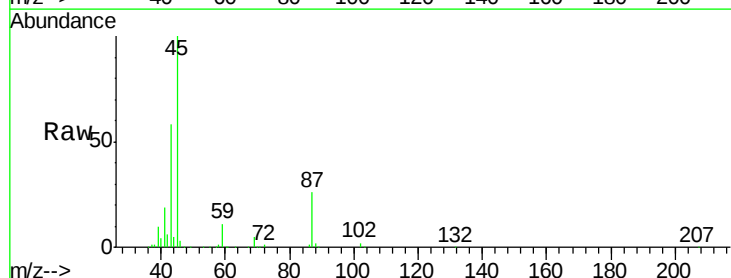
Ion Ratio Lower Upper

45 100

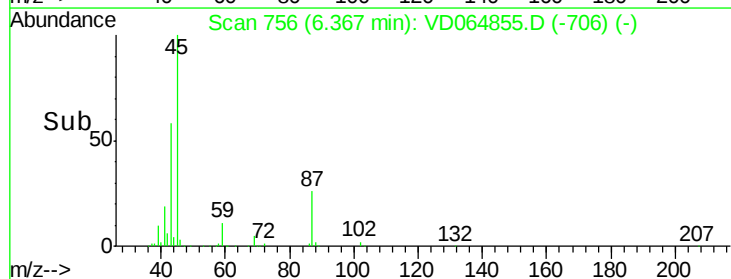
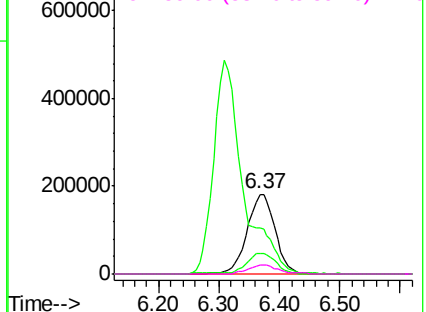
43 56.8 43.2 64.8

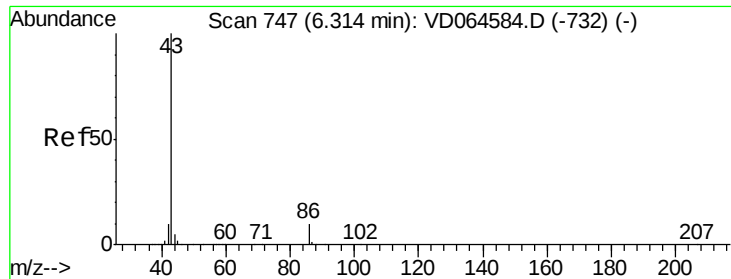
87 26.1 21.9 32.9

59 11.5 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 304.661 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

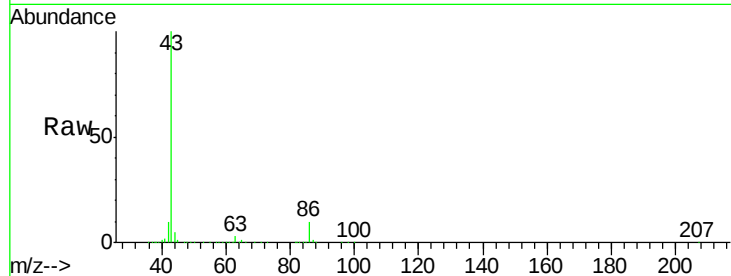
VSTDCCC050EC

Tgt Ion: 43 Resp: 1648624

Ion Ratio Lower Upper

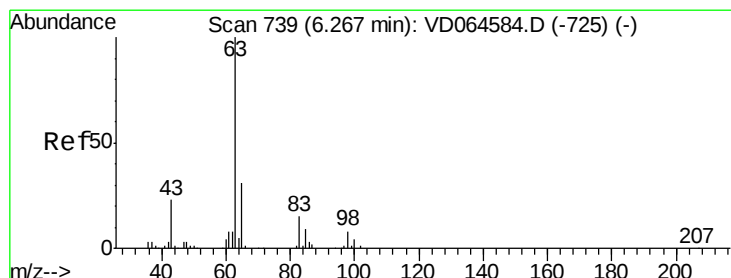
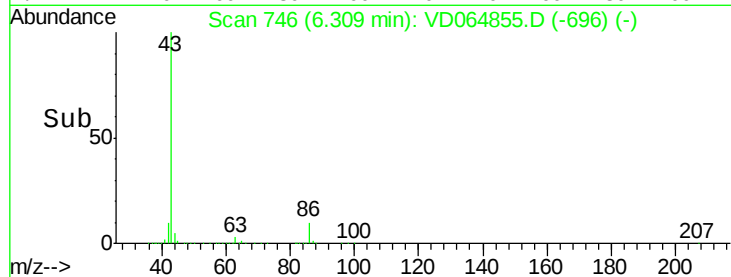
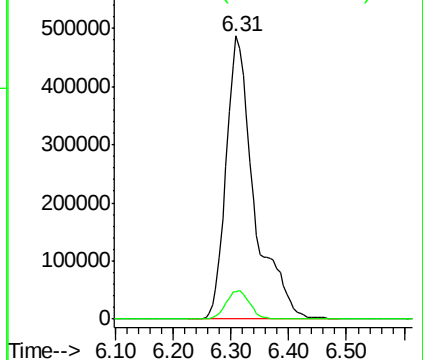
43 100

86 9.8 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: 59.788 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

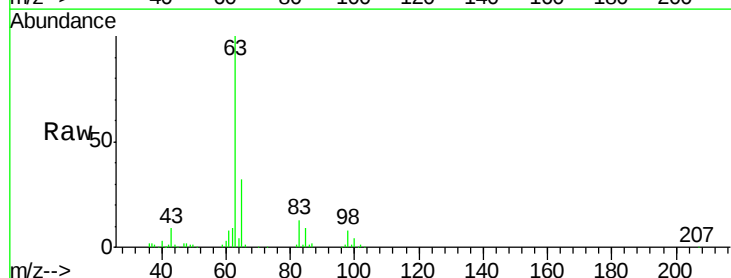
Tgt Ion: 63 Resp: 342394

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

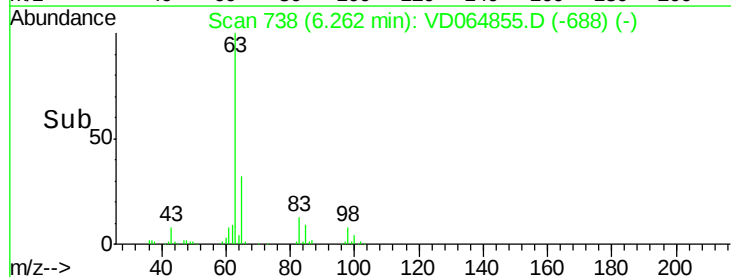
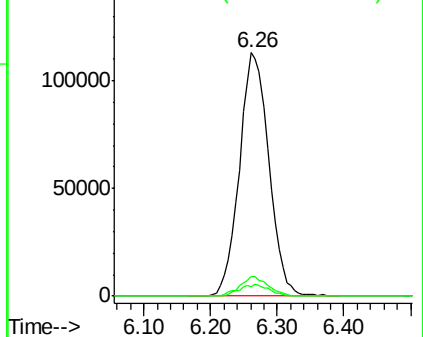
100 4.0 2.2 6.6

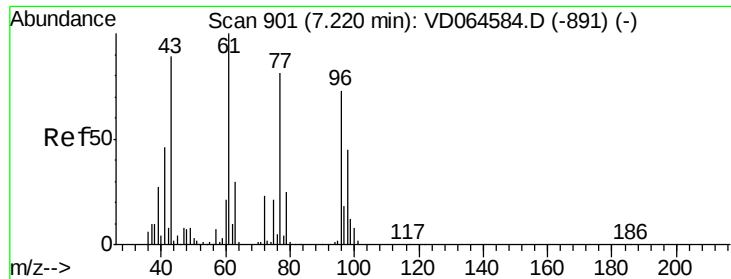


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 336.885 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

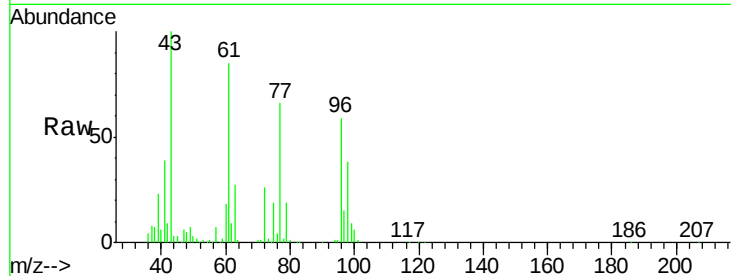
VSTDCCC050EC

Tgt Ion: 43 Resp: 284704

Ion Ratio Lower Upper

43 100

72 25.5 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

120000

100000

80000

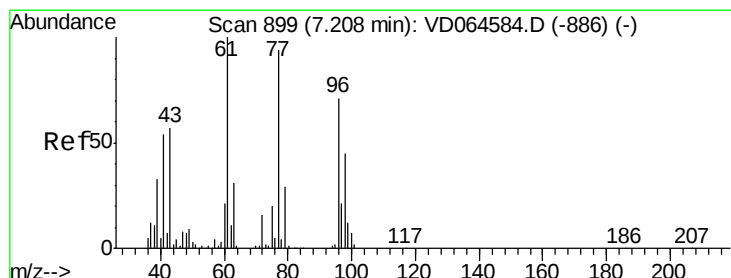
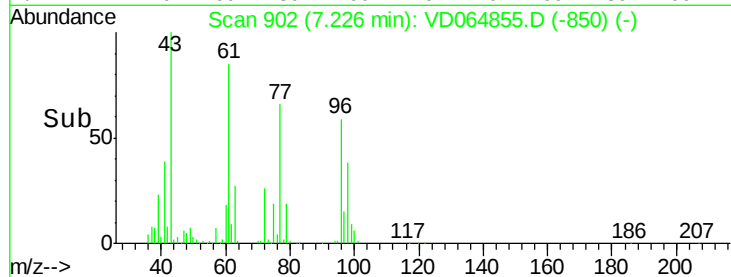
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.043 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064855.D

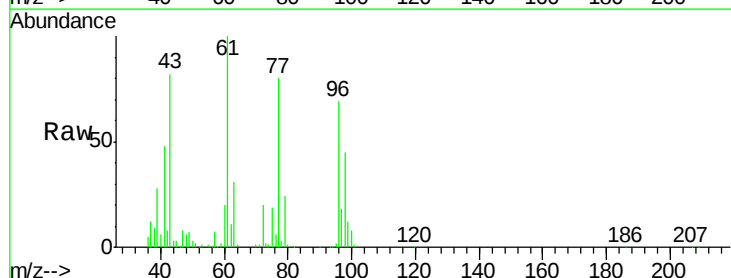
Acq: 13 Jan 2020 17:57

Tgt Ion: 77 Resp: 287752

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

100000

80000

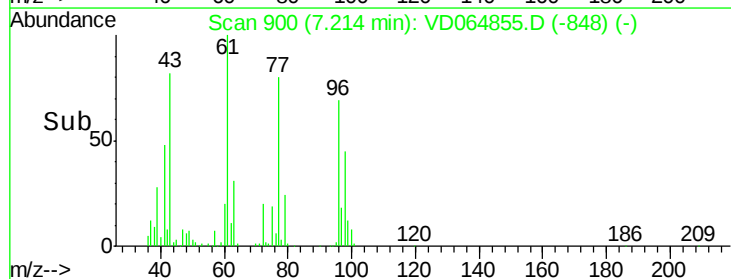
60000

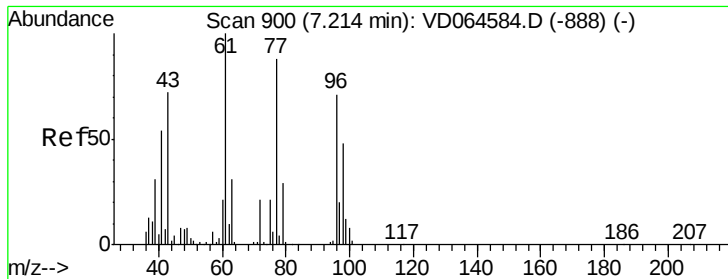
40000

20000

0

Time-->



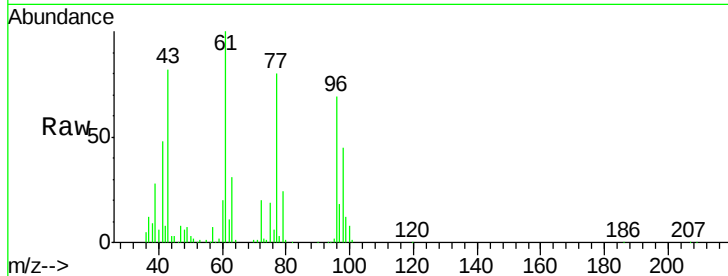


#27

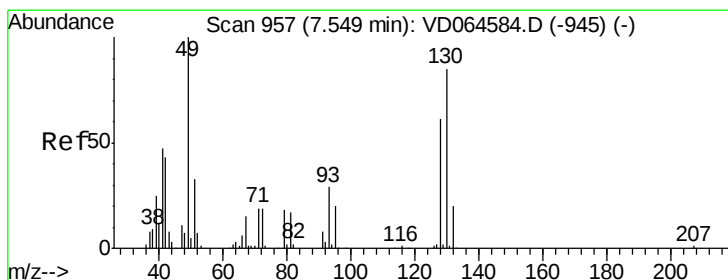
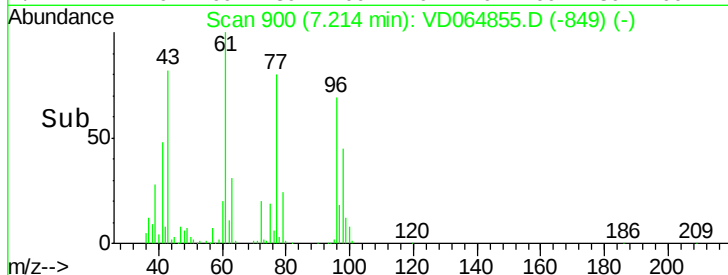
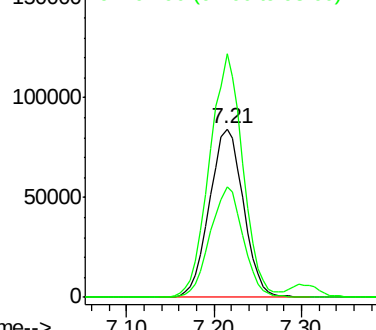
cis-1,2-Dichloroethene
Concen: 58.899 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 222062
Ion Ratio Lower Upper
96 100
61 142.3 0.0 282.6
98 63.9 0.0 130.8



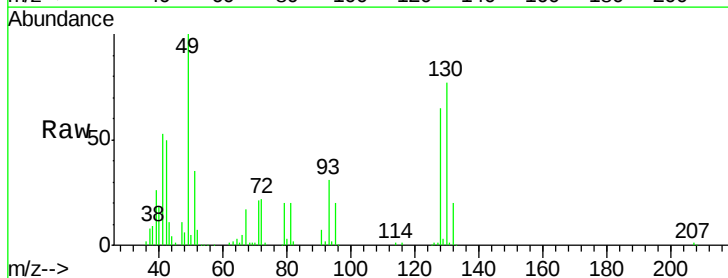
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



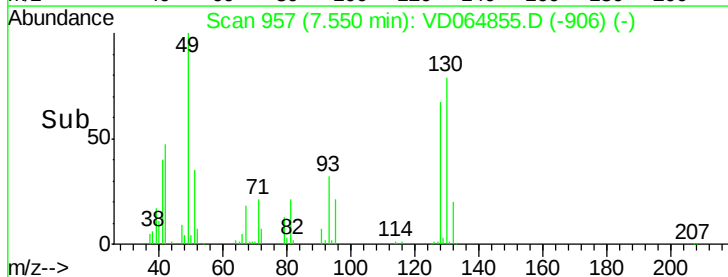
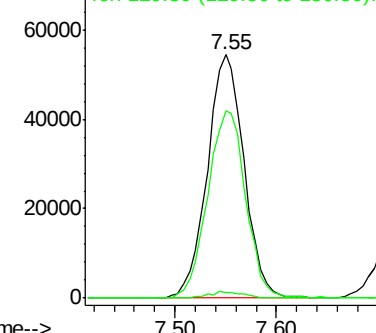
#28

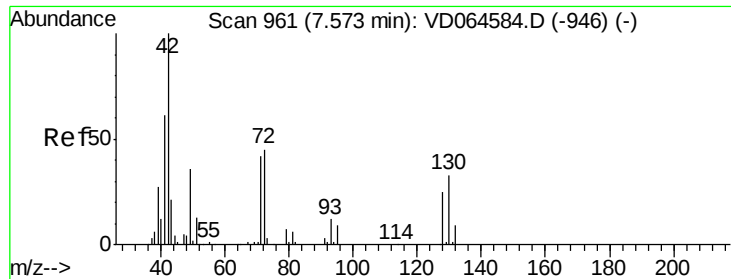
Bromochloromethane
Concen: 61.435 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 49 Resp: 136765
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 79.6 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

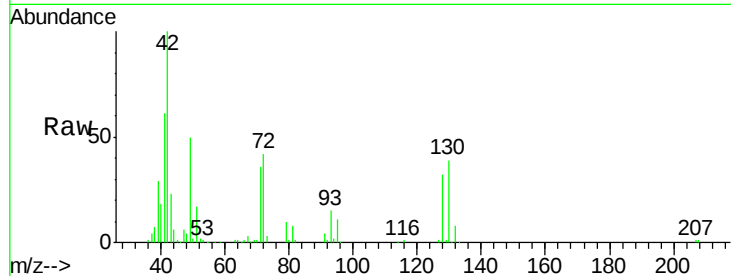




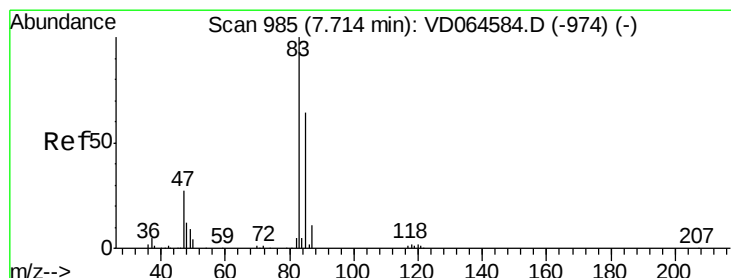
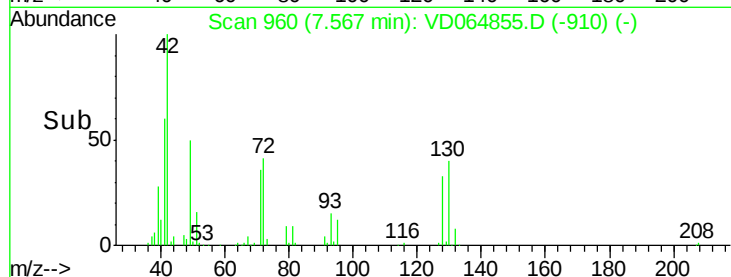
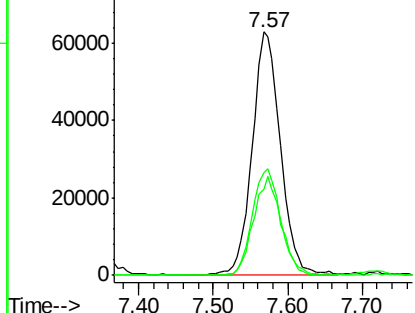
#29
Tetrahydrofuran
Concen: 315.231 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 165670
Ion Ratio Lower Upper
42 100
72 43.9 35.0 52.4
71 39.3 32.9 49.3

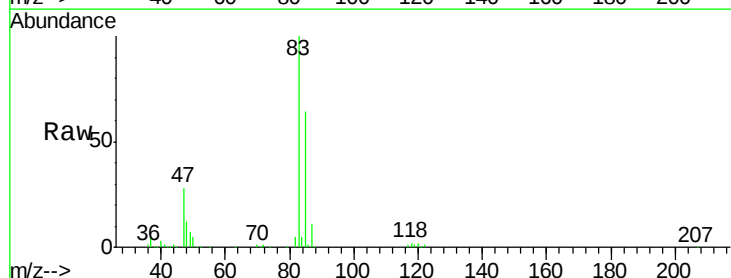


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

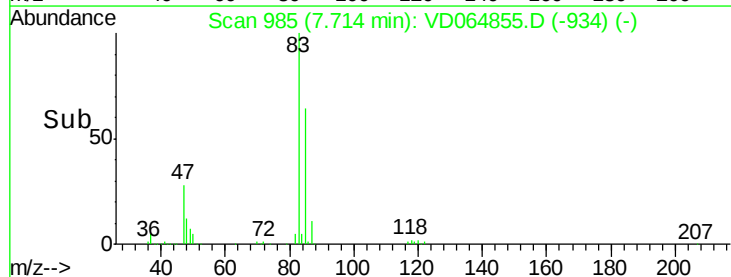
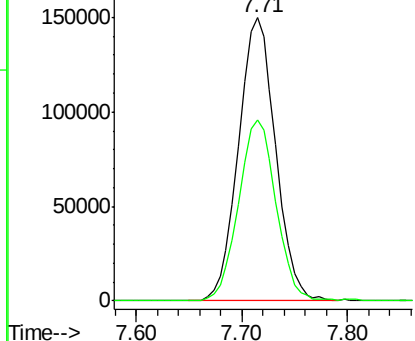


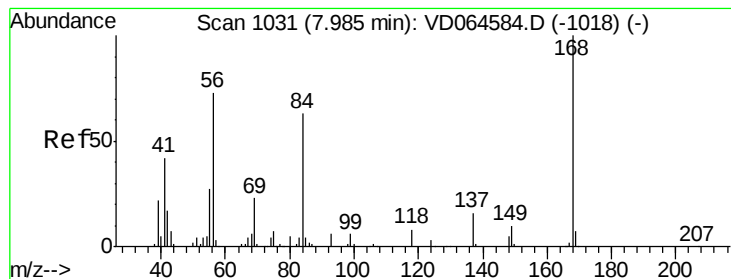
#30
Chloroform
Concen: 60.740 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 83 Resp: 364950
Ion Ratio Lower Upper
83 100
85 64.1 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: 47.929 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

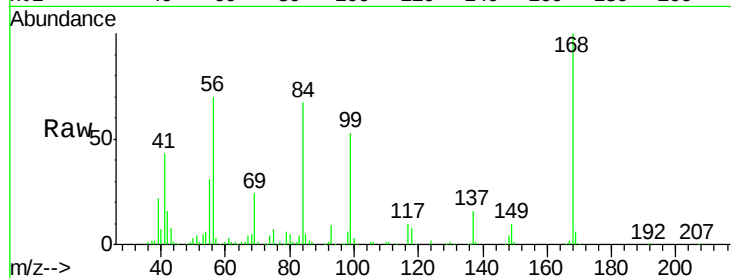
Tgt Ion: 56 Resp: 274756

Ion Ratio Lower Upper

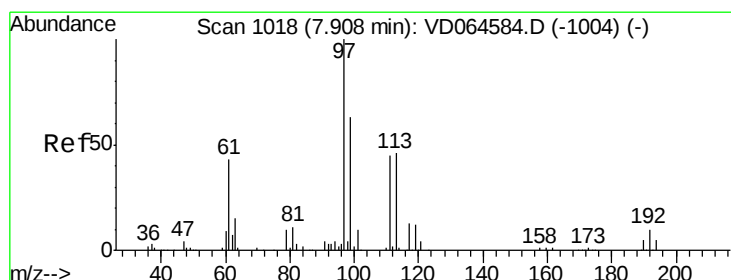
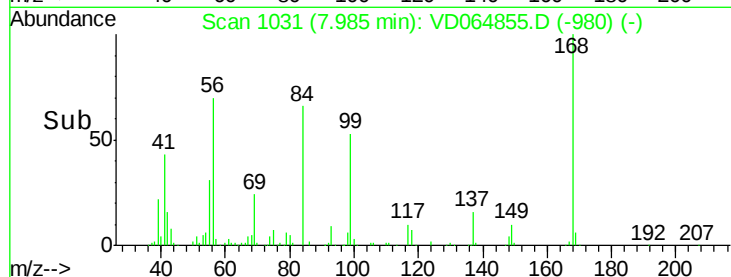
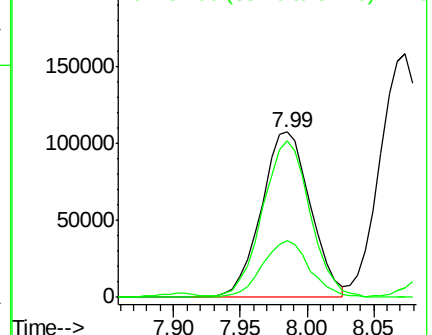
56 100

69 34.1 24.7 37.1

84 93.1 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: 56.476 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

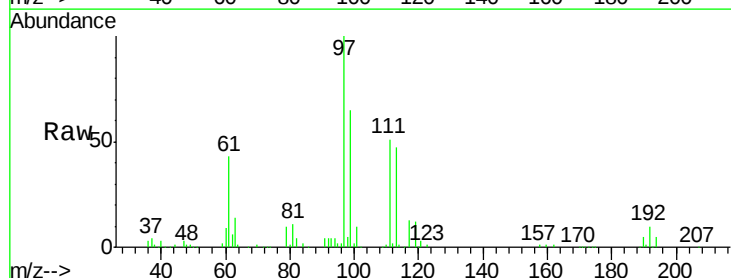
Tgt Ion: 97 Resp: 318719

Ion Ratio Lower Upper

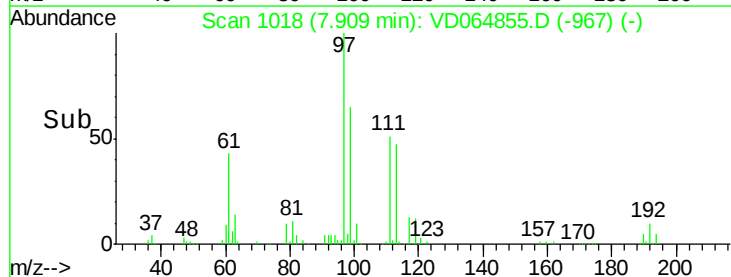
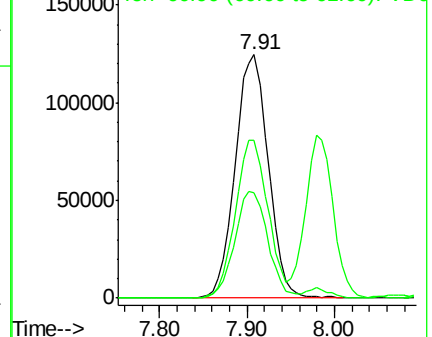
97 100

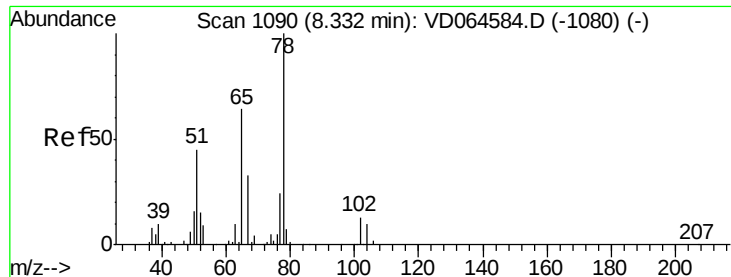
99 63.8 51.0 76.6

61 44.1 35.4 53.0



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

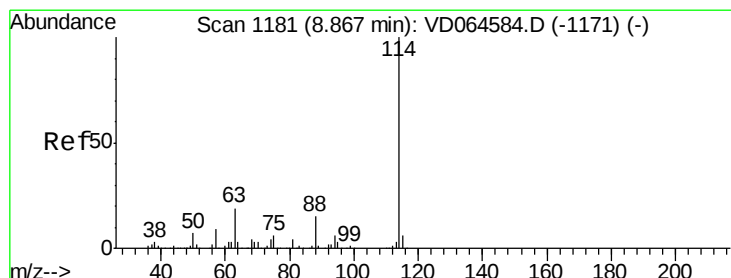
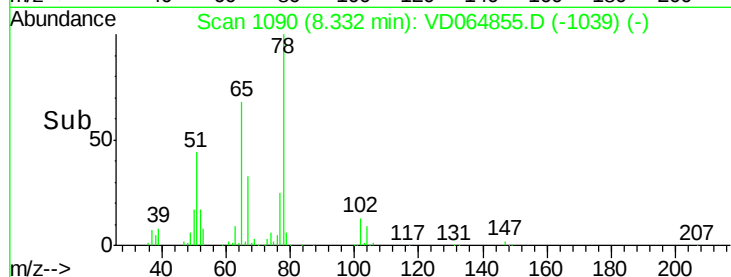
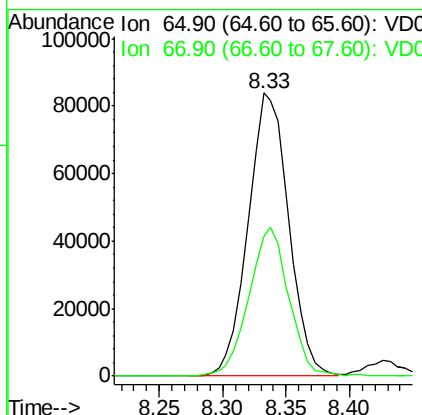
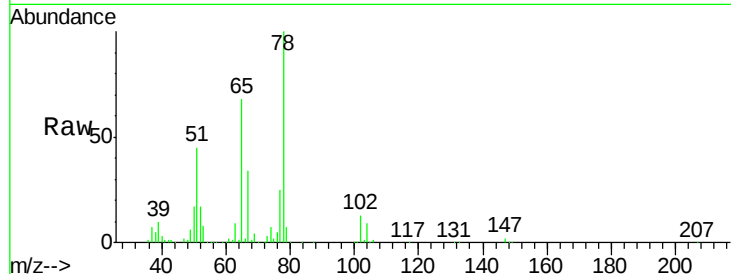




#33
 1,2-Dichloroethane-d4
 Concen: 60.668 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

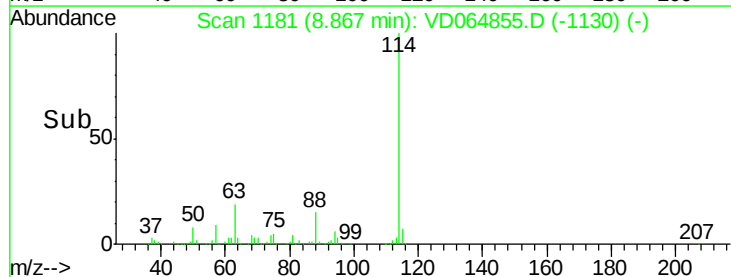
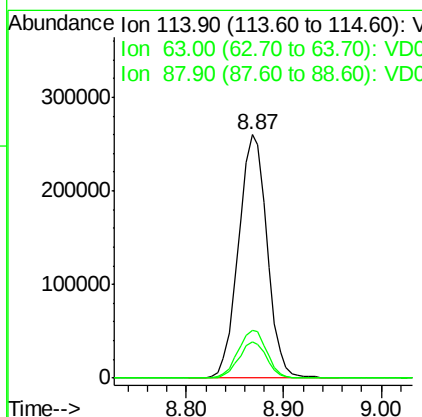
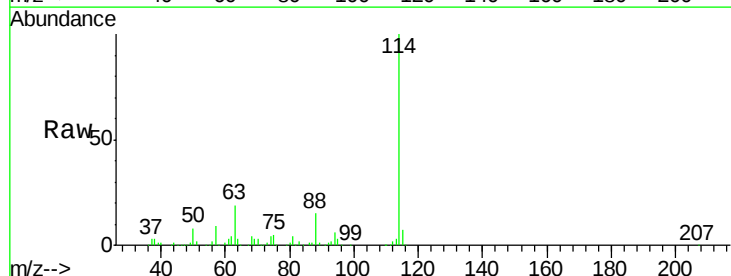
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

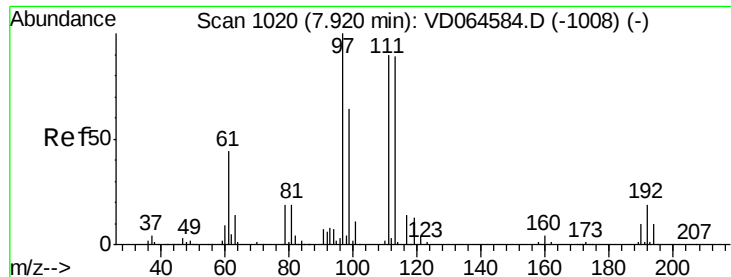
Tgt Ion: 65 Resp: 186525
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 114 Resp: 531403
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.0
 88 14.9 0.0 29.2

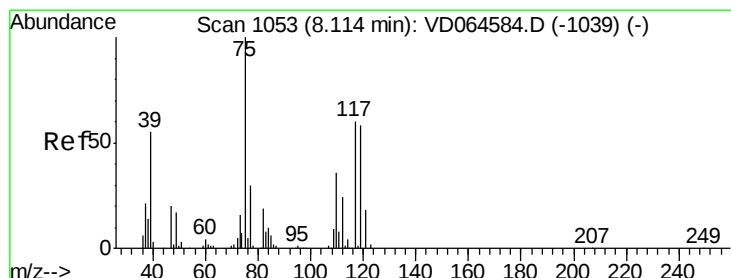
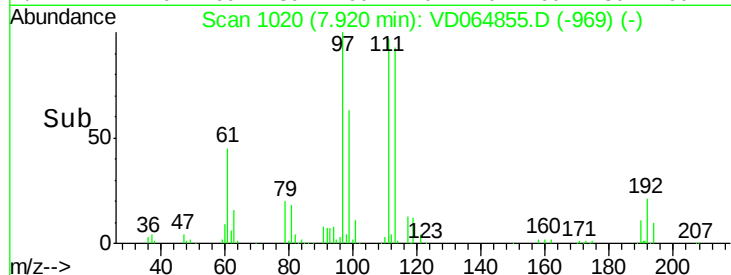
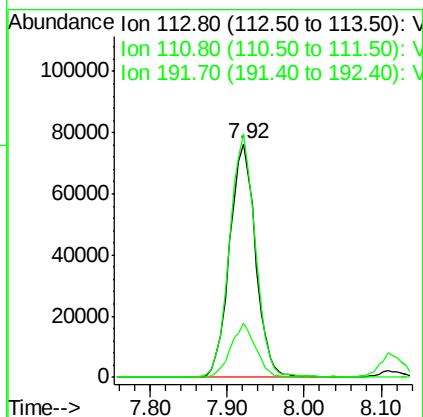
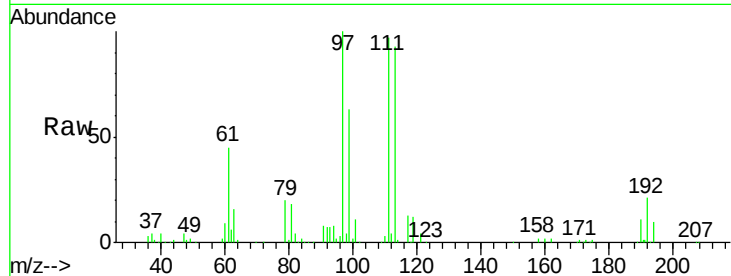




#35
 Dibromofluoromethane
 Concen: 55.267 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

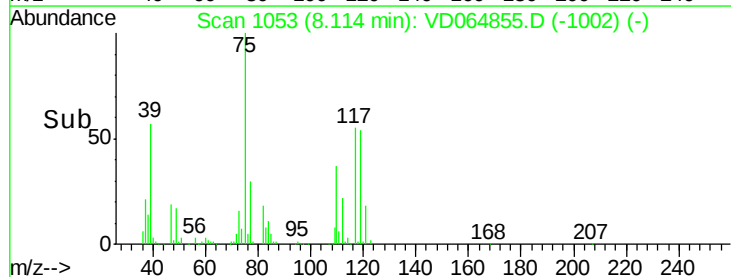
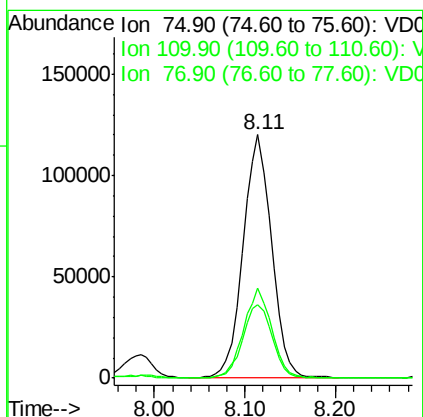
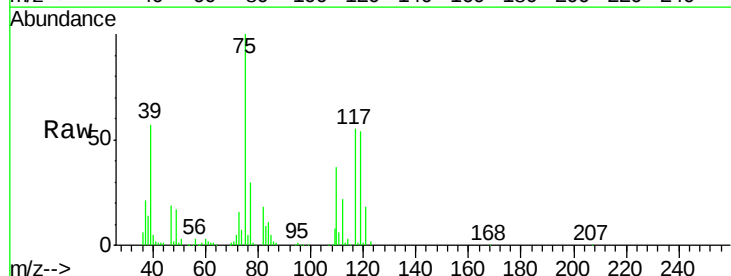
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 113 Resp: 180183
 Ion Ratio Lower Upper
 113 100
 111 103.7 80.6 121.0
 192 22.3 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 51.413 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 75 Resp: 262966
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.1 54.1
 77 31.6 24.2 36.4

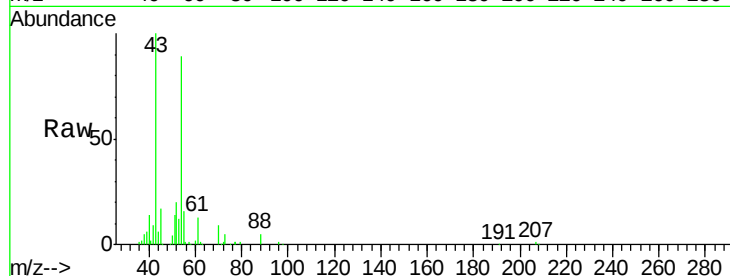




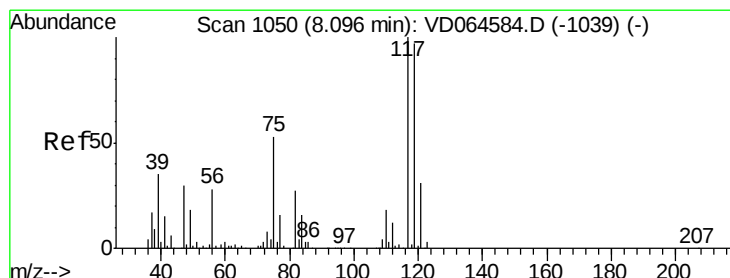
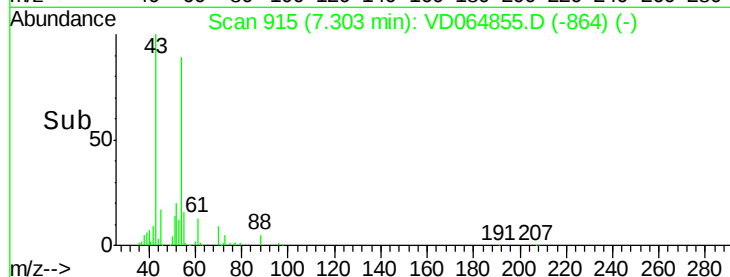
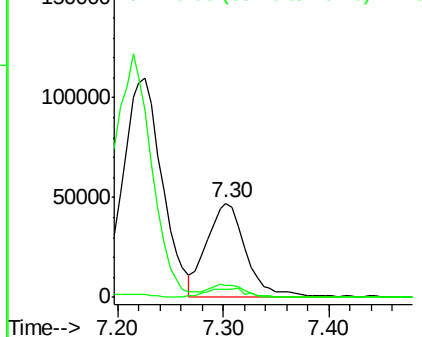
#37
Ethyl Acetate
Concen: 59.985 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 120529
Ion Ratio Lower Upper
43 100
61 12.0 10.3 15.5
70 9.5 7.6 11.4

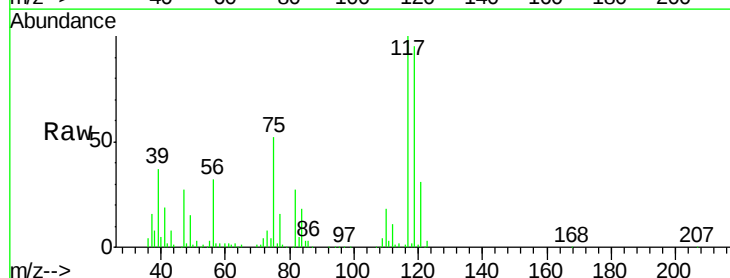


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

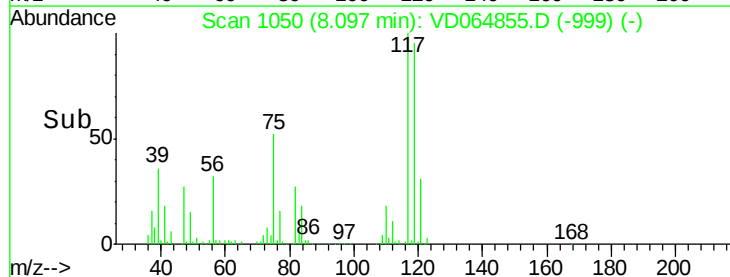
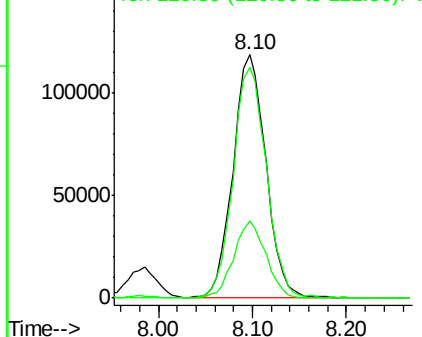


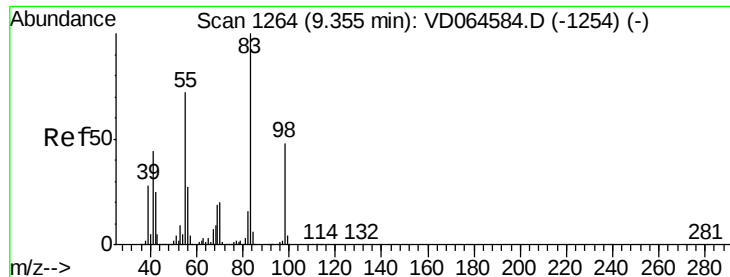
#38
Carbon Tetrachloride
Concen: 52.565 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 117 Resp: 286679
Ion Ratio Lower Upper
117 100
119 95.2 77.3 115.9
121 31.6 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

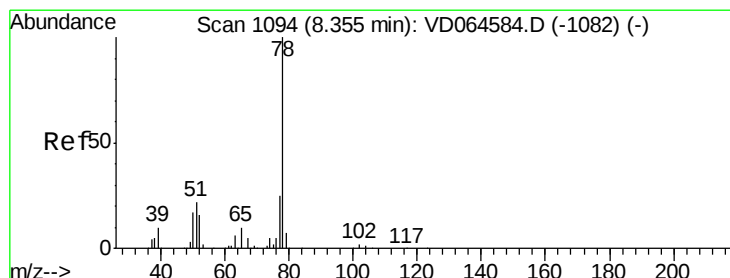
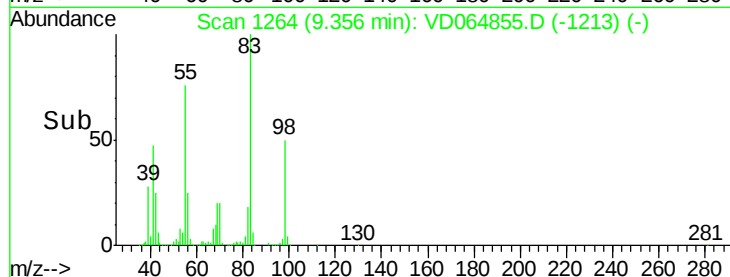
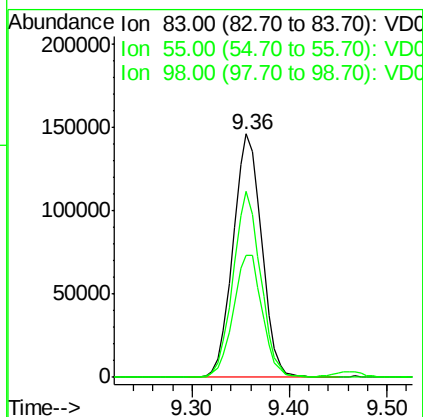
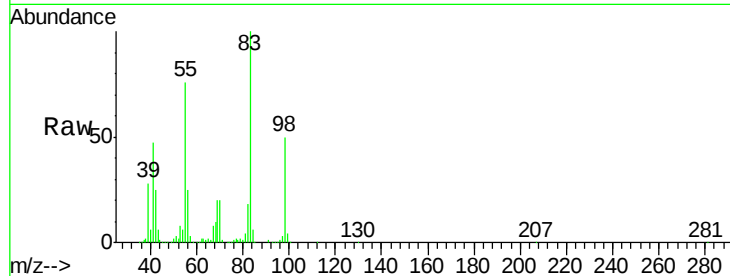




#39
Methylcyclohexane
Concen: 48.210 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

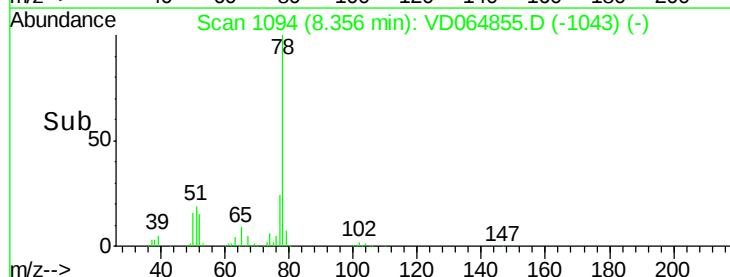
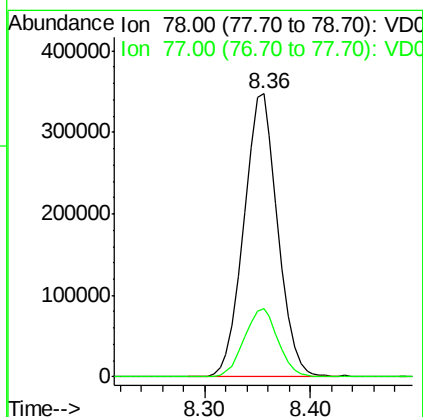
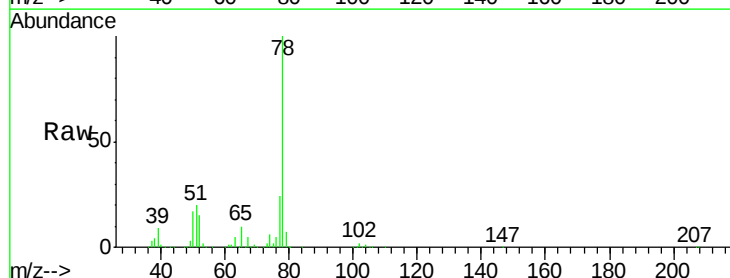
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

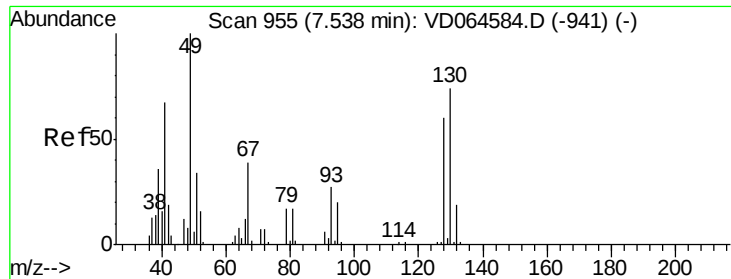
Tgt Ion: 83 Resp: 298654
Ion Ratio Lower Upper
83 100
55 76.3 57.8 86.6
98 50.1 38.7 58.1



#40
Benzene
Concen: 55.426 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 78 Resp: 773898
Ion Ratio Lower Upper
78 100
77 24.0 19.9 29.9





#41

Methacrylonitrile

Concen: 59.442 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 69298

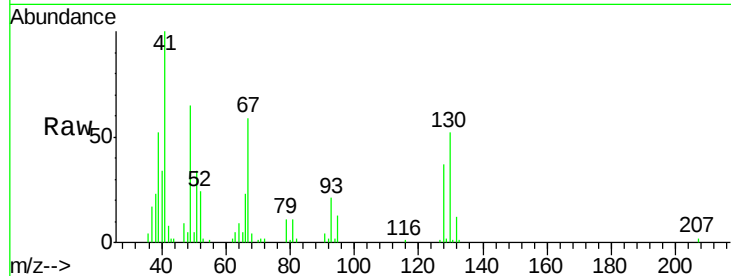
Ion Ratio Lower Upper

41 100

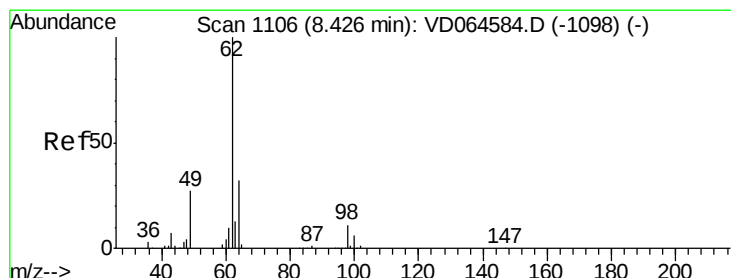
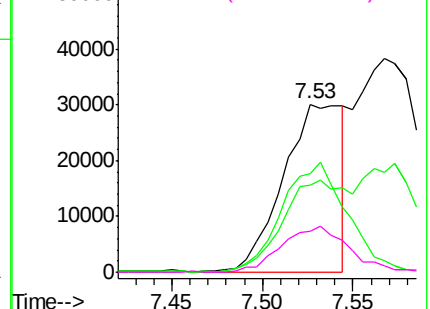
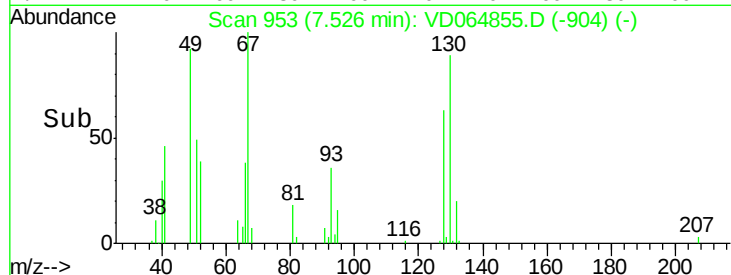
39 61.3 46.7 70.1

67 71.8 52.5 78.7

52 31.2 24.1 36.1



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



#42

1,2-Dichloroethane

Concen: 58.700 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064855.D

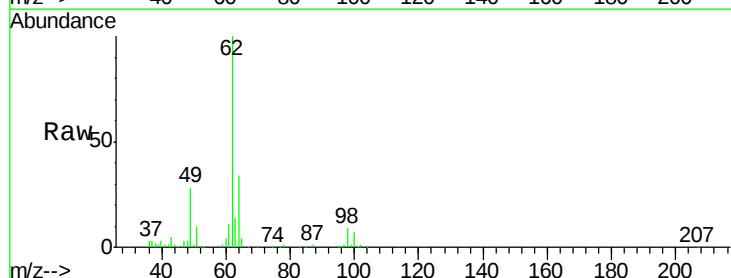
Acq: 13 Jan 2020 17:57

Tgt Ion: 62 Resp: 236847

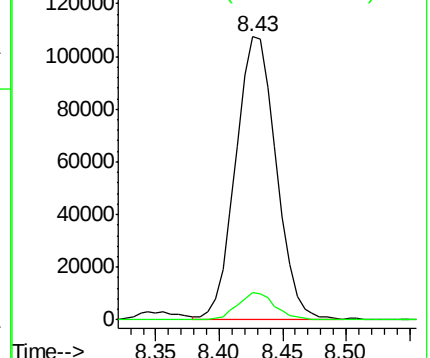
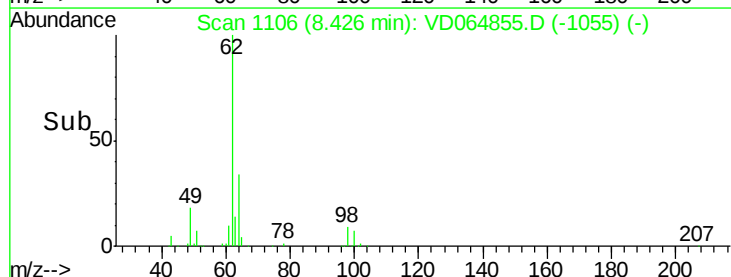
Ion Ratio Lower Upper

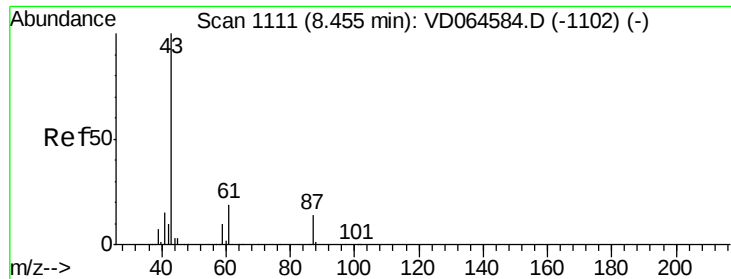
62 100

98 9.1 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: 58.315 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

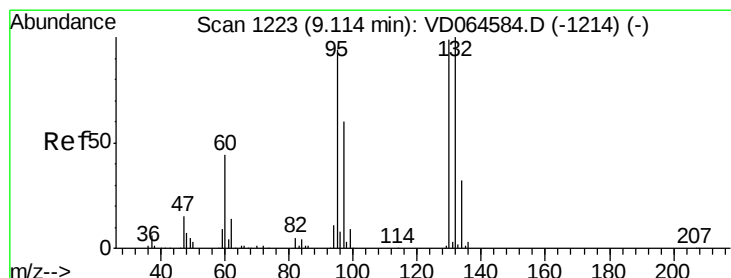
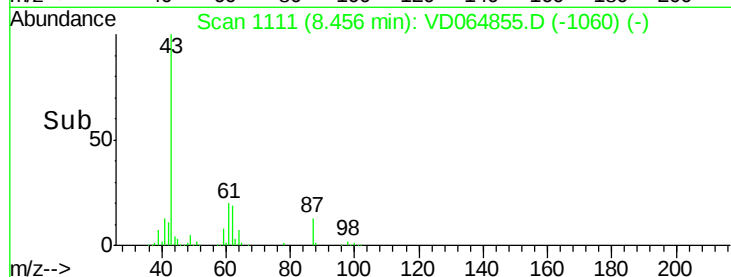
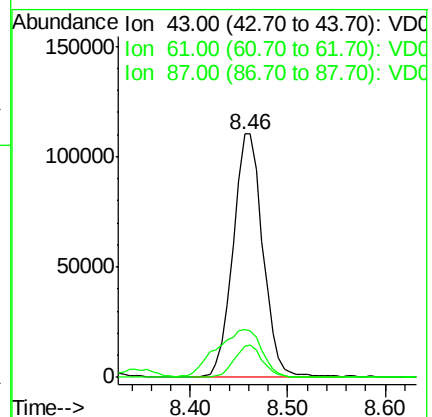
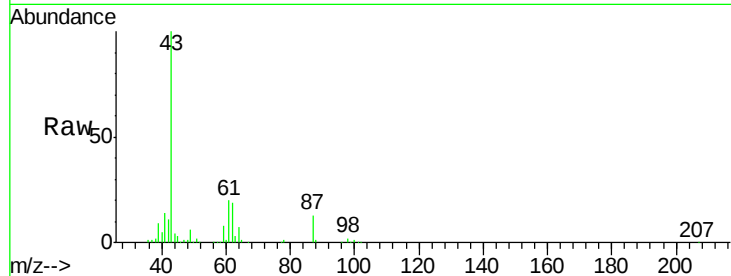
Tgt Ion: 43 Resp: 233226

Ion Ratio Lower Upper

43 100

61 30.2 23.7 35.5

87 12.6 10.5 15.7



#44

Trichloroethene

Concen: 51.801 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064855.D

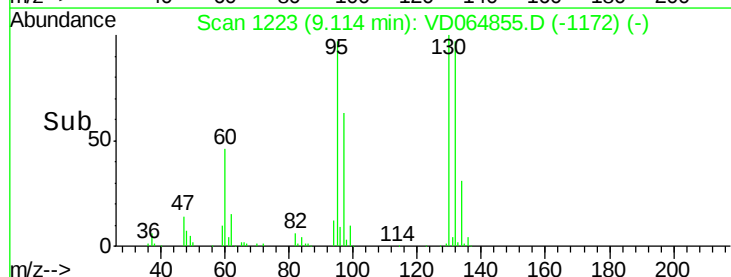
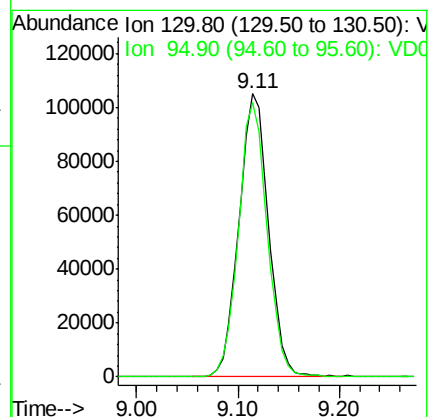
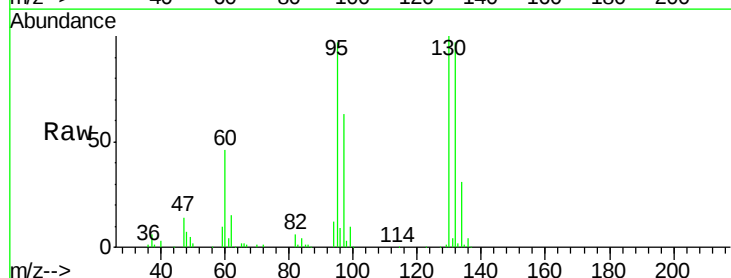
Acq: 13 Jan 2020 17:57

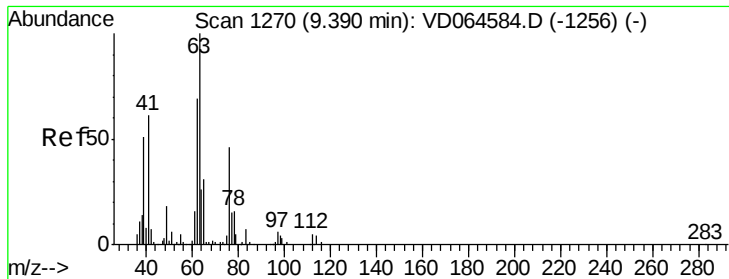
Tgt Ion: 130 Resp: 212479

Ion Ratio Lower Upper

130 100

95 96.8 0.0 190.2





#45

1,2-Dichloropropane

Concen: 57.732 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

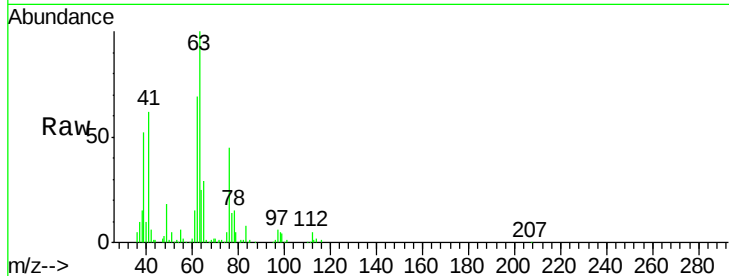
VSTDCCC050EC

Tgt Ion: 63 Resp: 192464

Ion Ratio Lower Upper

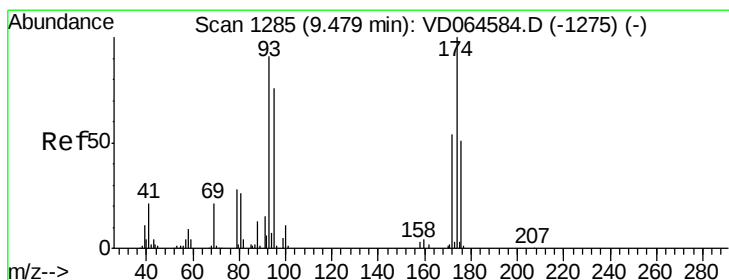
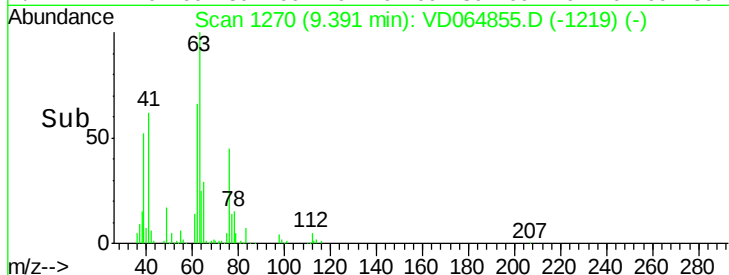
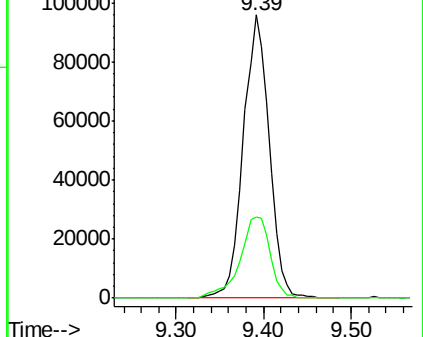
63 100

65 28.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 56.868 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

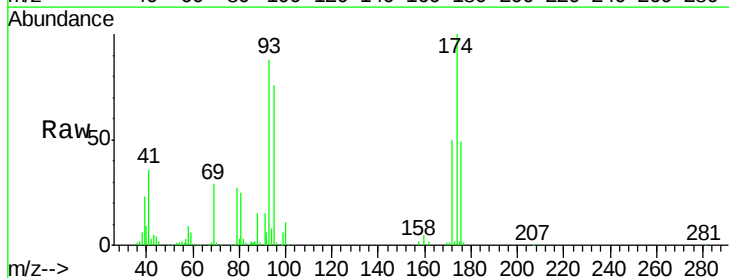
Tgt Ion: 93 Resp: 105701

Ion Ratio Lower Upper

93 100

95 83.3 64.6 97.0

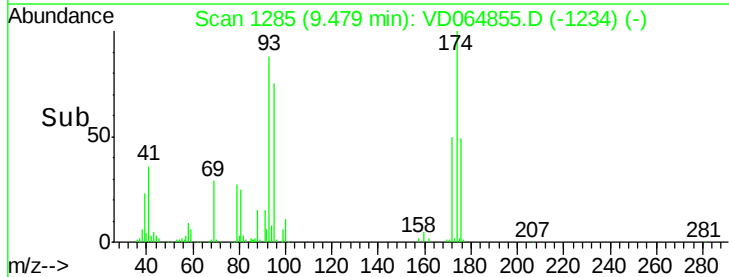
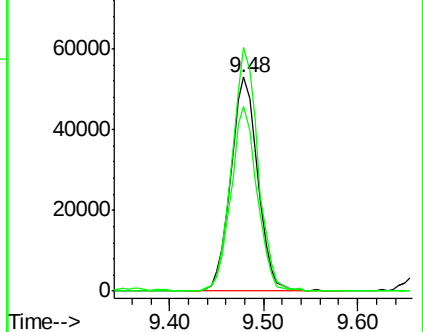
174 110.1 88.1 132.1

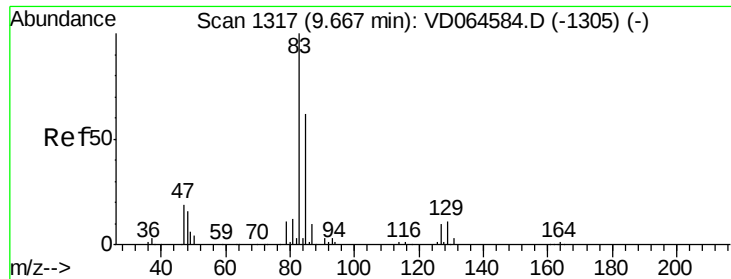


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 58.595 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

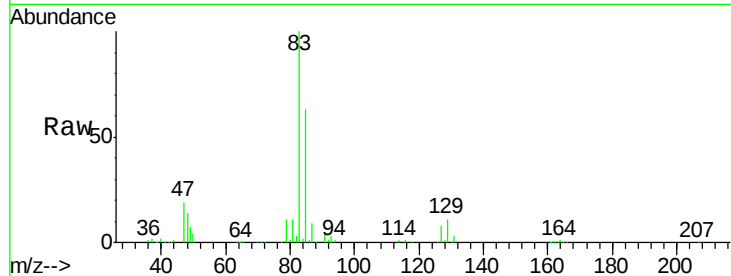
Tgt Ion: 83 Resp: 289804

Ion Ratio Lower Upper

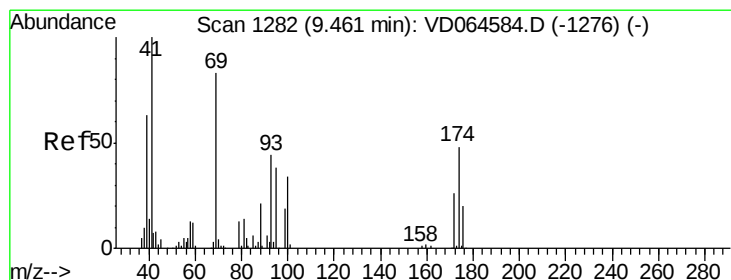
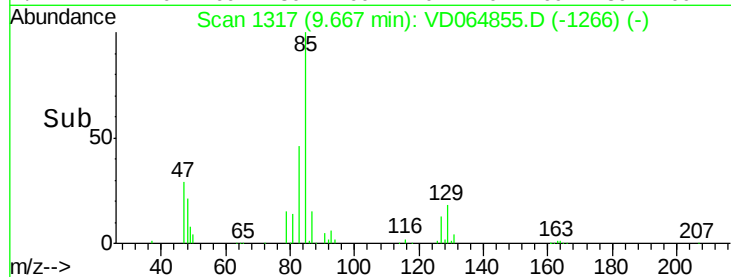
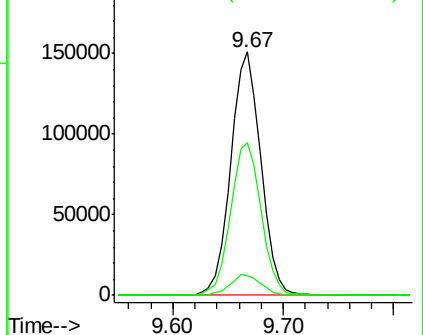
83 100

85 63.0 49.5 74.3

127 8.1 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): V



#48

Methyl methacrylate

Concen: 56.248 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

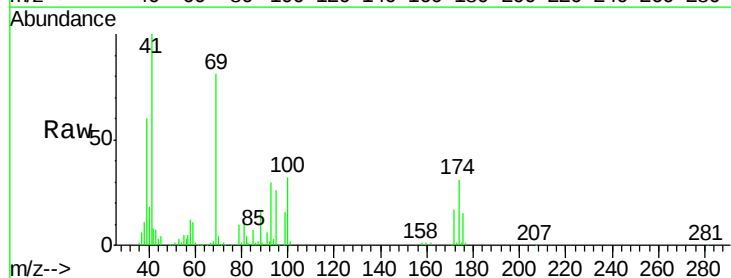
Tgt Ion: 41 Resp: 105923

Ion Ratio Lower Upper

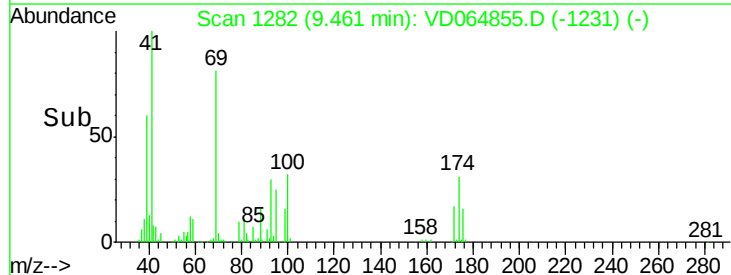
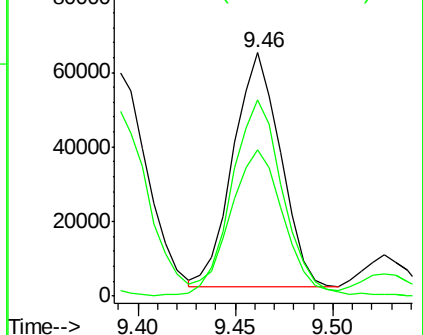
41 100

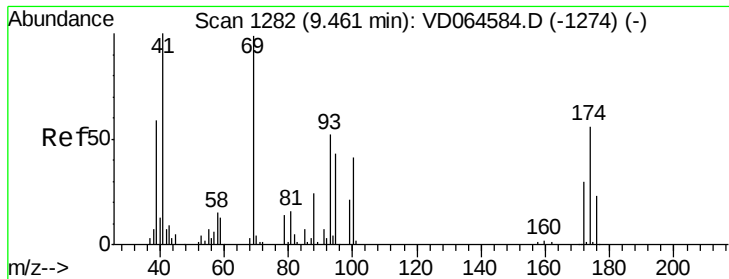
69 90.1 63.0 94.6

39 69.8 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

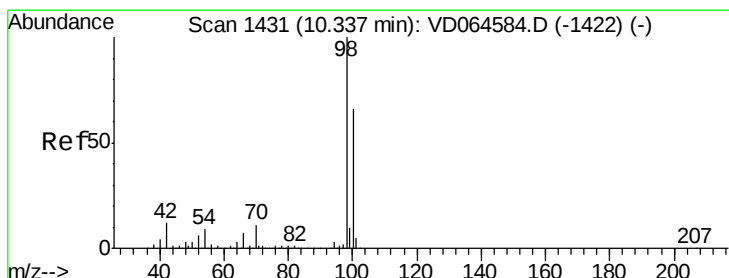
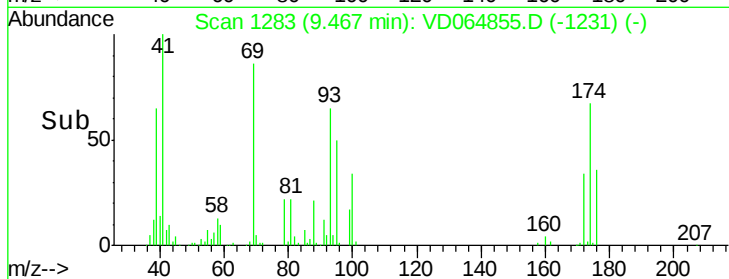
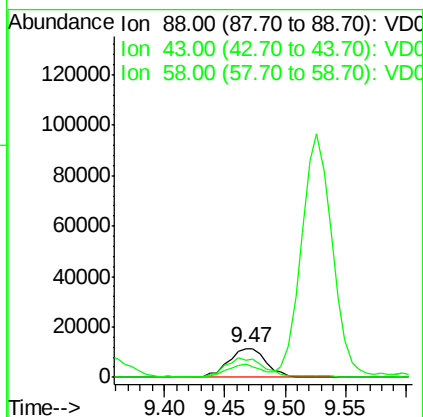
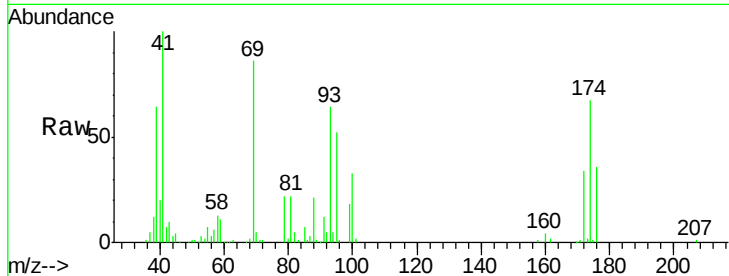




#49
1,4-Dioxane
Concen: 1177.259 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

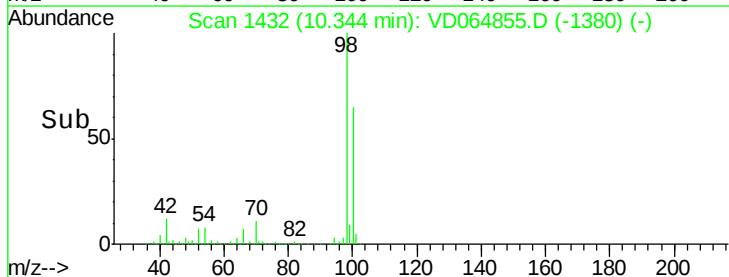
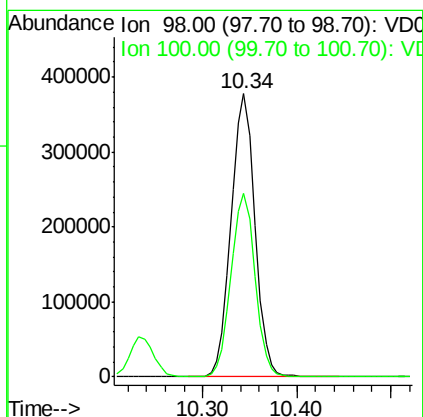
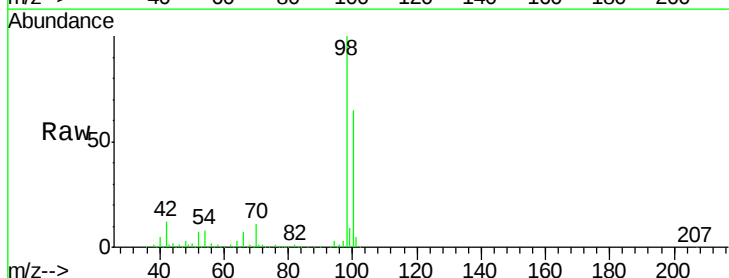
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 25231
Ion Ratio Lower Upper
88 100
43 36.7 27.7 41.5
58 69.1 53.8 80.6



#50
Toluene-d8
Concen: 53.527 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 98 Resp: 668356
Ion Ratio Lower Upper
98 100
100 65.8 51.7 77.5

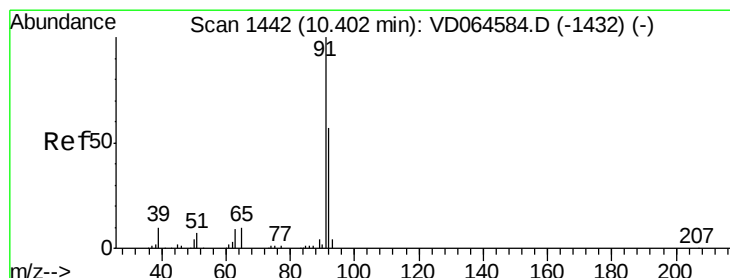
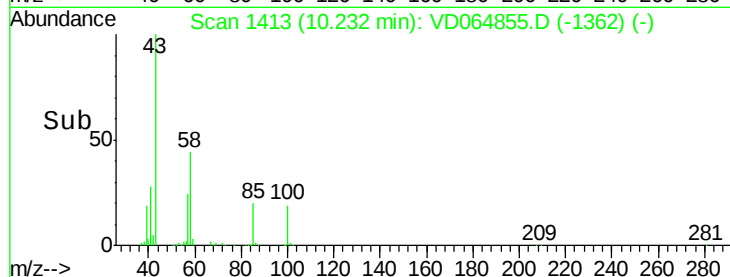
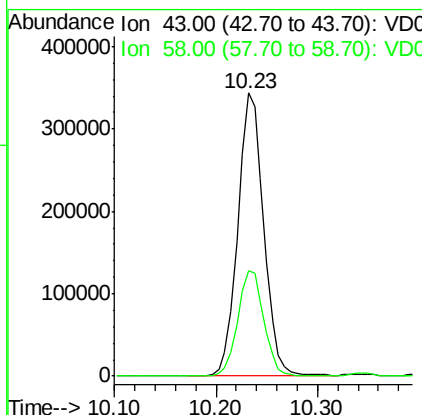
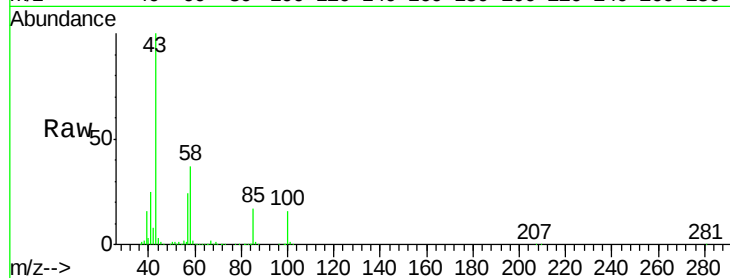




#51
 4-Methyl-2-Pentanone
 Concen: 307.467 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

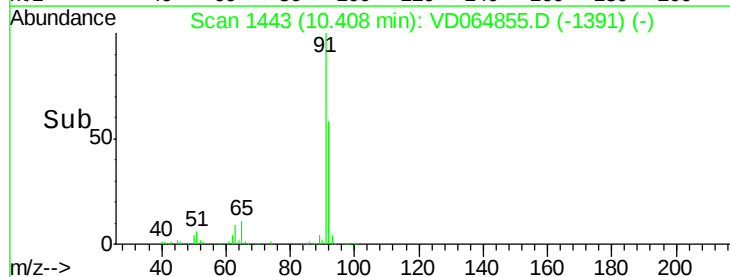
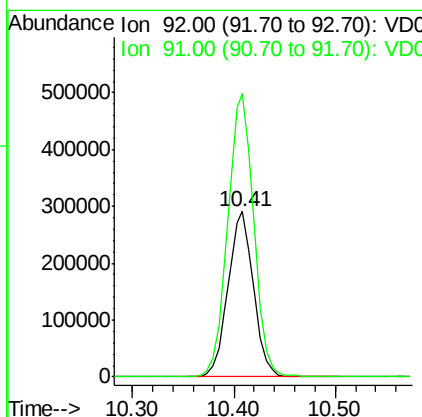
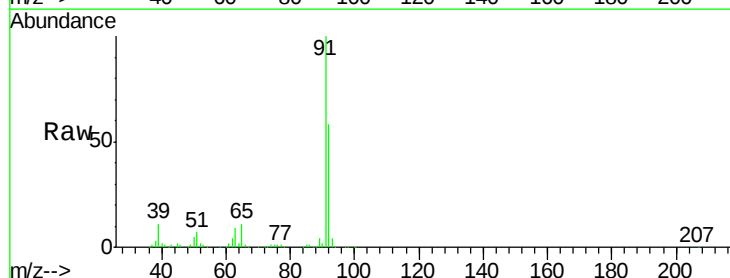
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

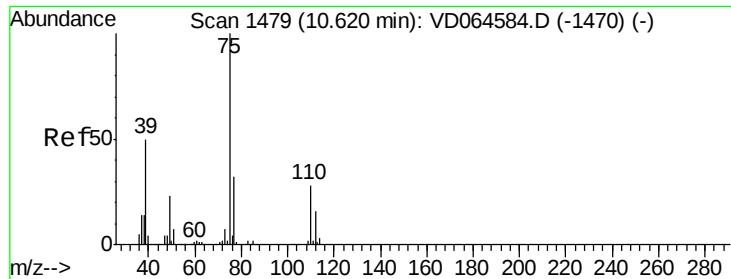
Tgt Ion: 43 Resp: 607807
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.2



#52
 Toluene
 Concen: 55.060 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 92 Resp: 504386
 Ion Ratio Lower Upper
 92 100
 91 174.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 57.827 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

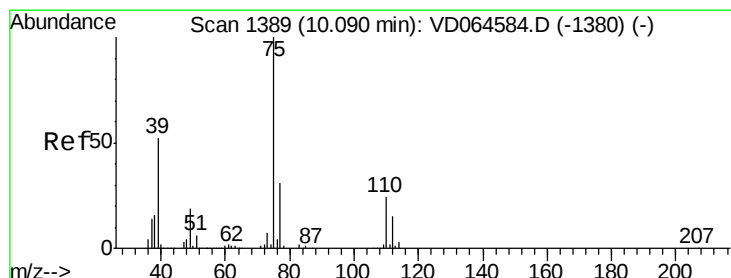
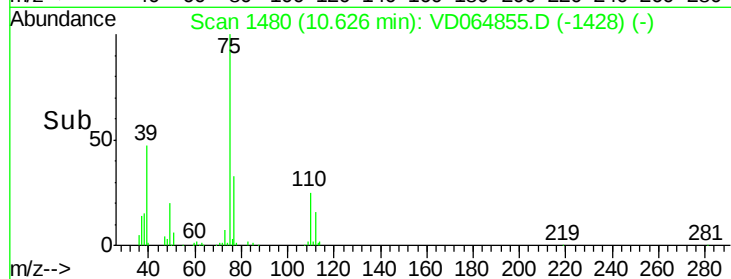
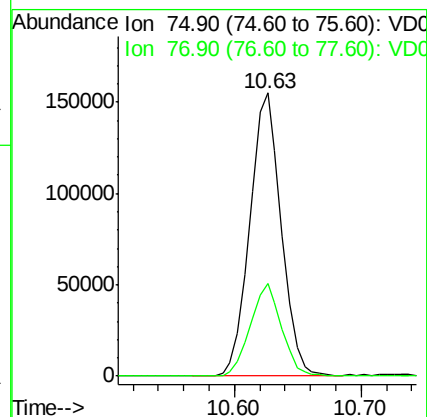
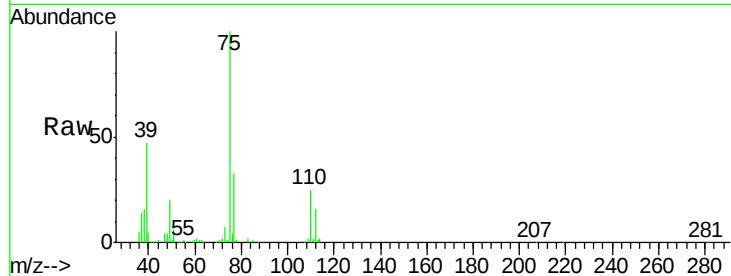
VSTDCCC050EC

Tgt Ion: 75 Resp: 266650

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 57.977 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

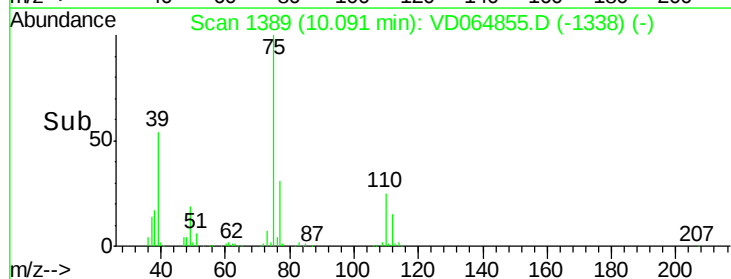
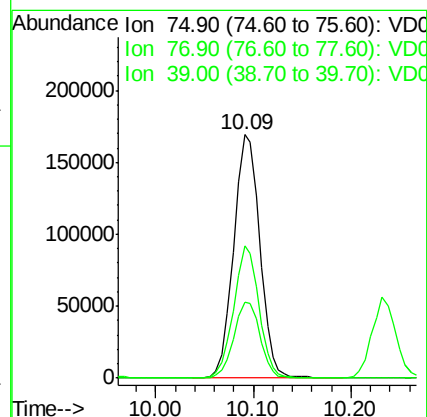
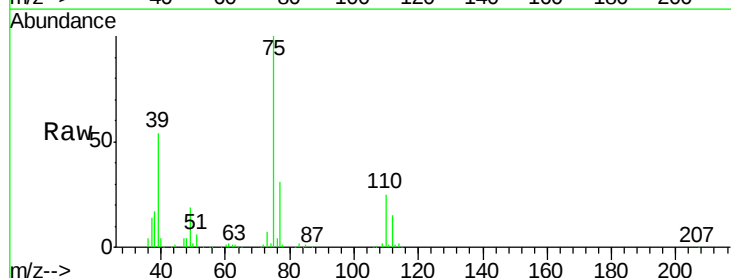
Tgt Ion: 75 Resp: 315231

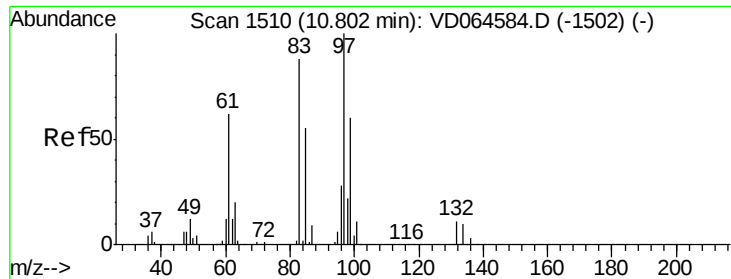
Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 54.1 41.4 62.2

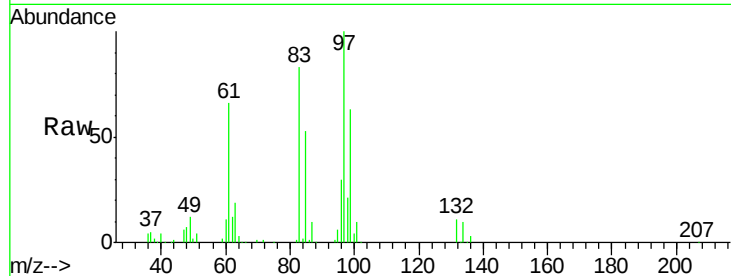




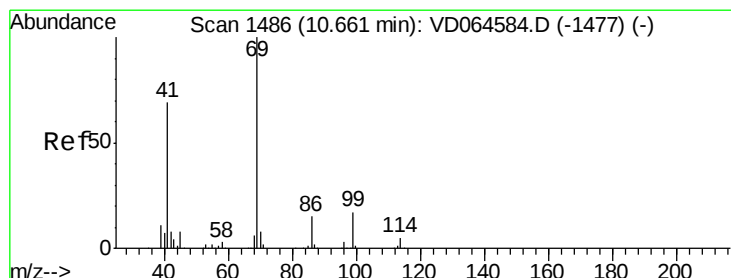
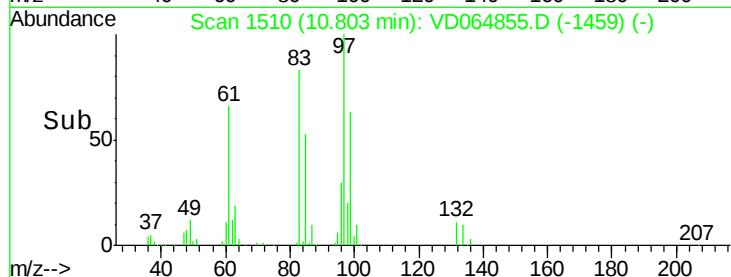
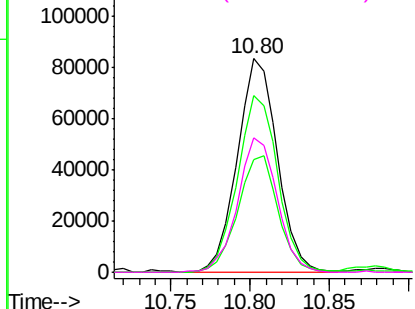
#55
 1,1,2-Trichloroethane
 Concen: 58.666 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 146953
 Ion Ratio Lower Upper
 97 100
 83 82.7 70.2 105.4
 85 52.4 44.0 66.0
 99 62.8 47.8 71.6

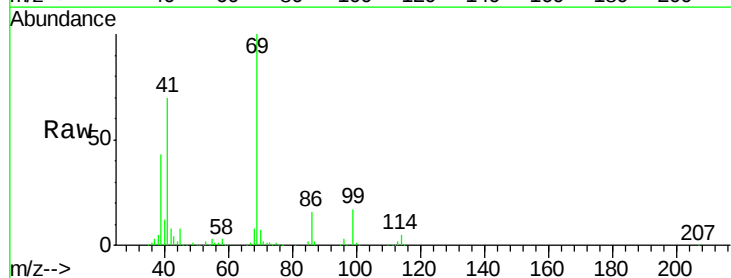


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

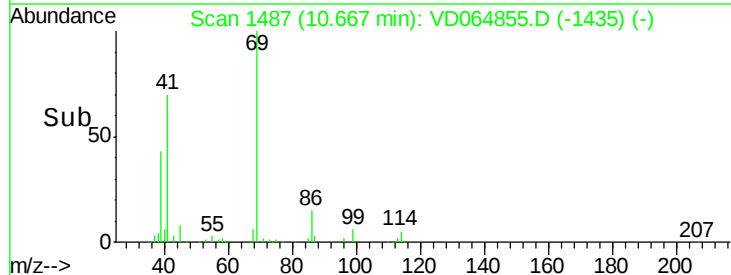
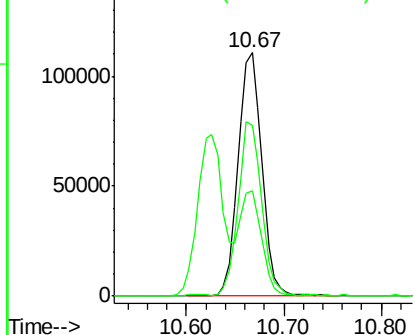


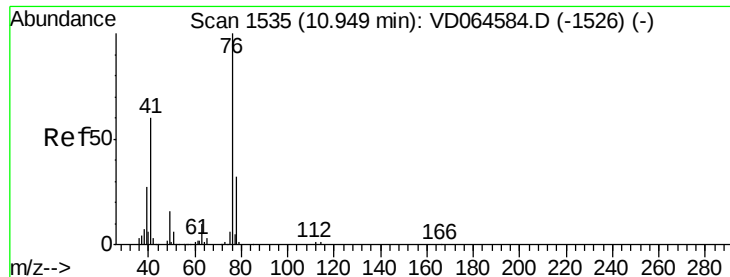
#56
 Ethyl methacrylate
 Concen: 60.117 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion: 69 Resp: 188064
 Ion Ratio Lower Upper
 69 100
 41 70.0 55.3 82.9
 39 38.1 33.8 50.8



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





#57

1,3-Dichloropropane

Concen: 58.400 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

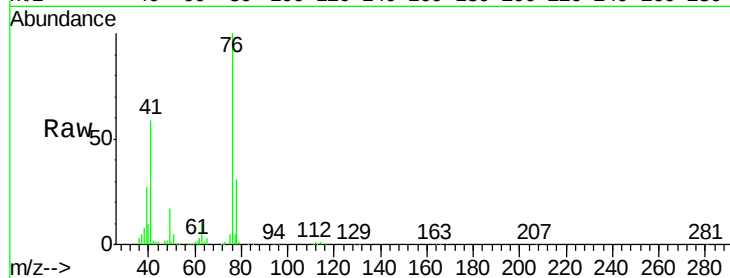
VSTDCCC050EC

Tgt Ion: 76 Resp: 251874

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

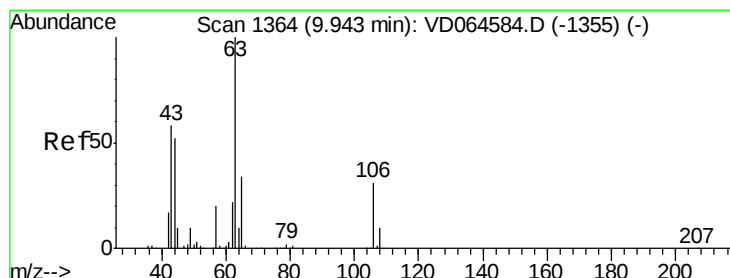
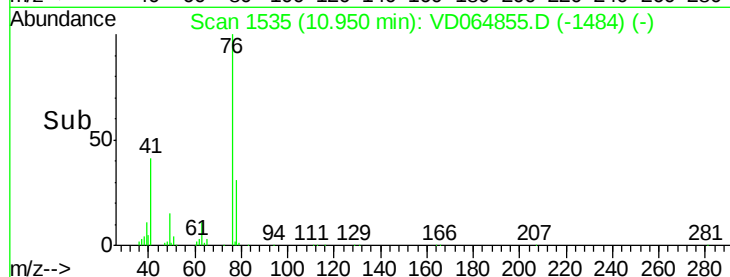
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 268.498 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064855.D

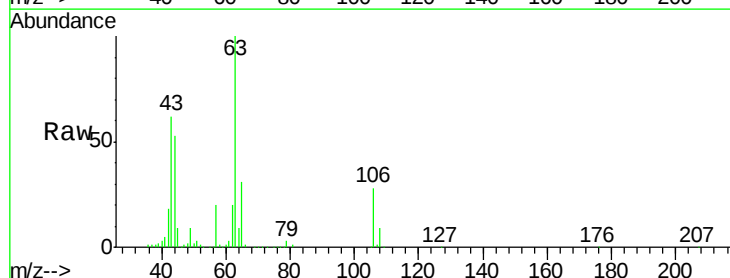
Acq: 13 Jan 2020 17:57

Tgt Ion: 63 Resp: 320011

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

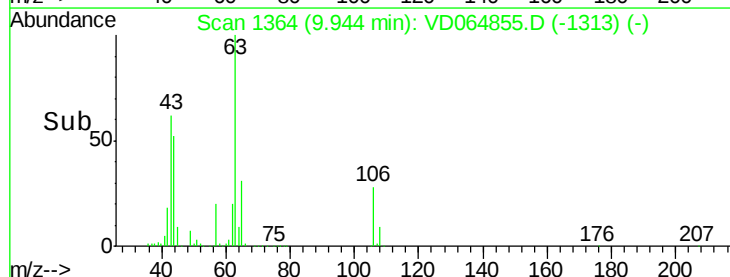
150000

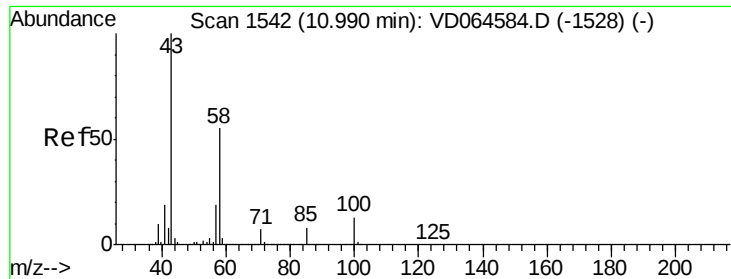
100000

50000

0

Time-->

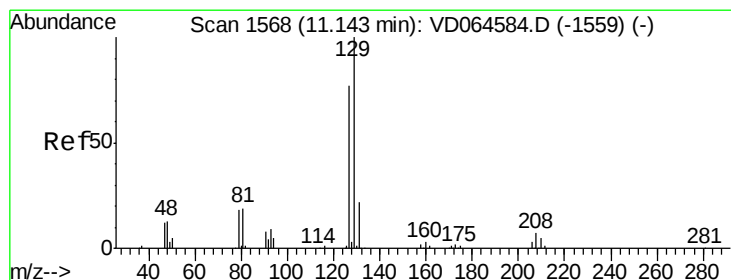
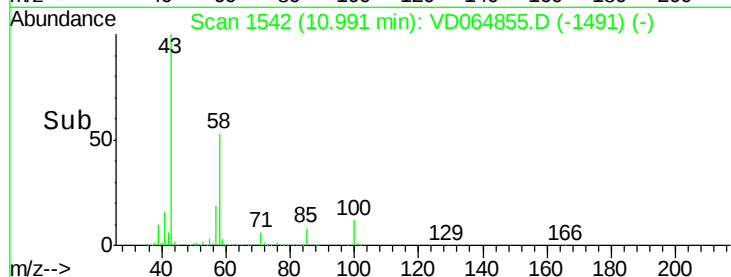
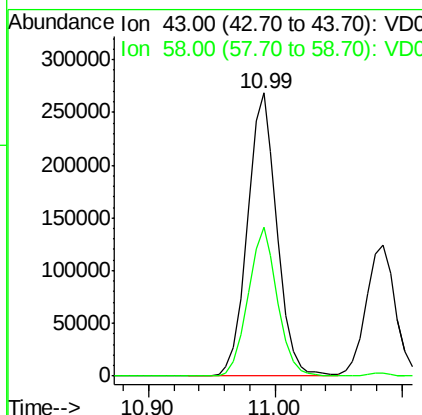
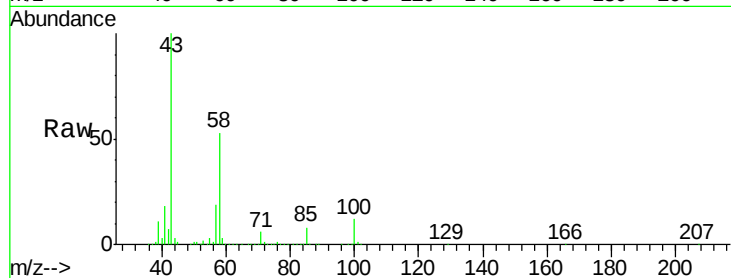




#59
2-Hexanone
Concen: 323.126 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

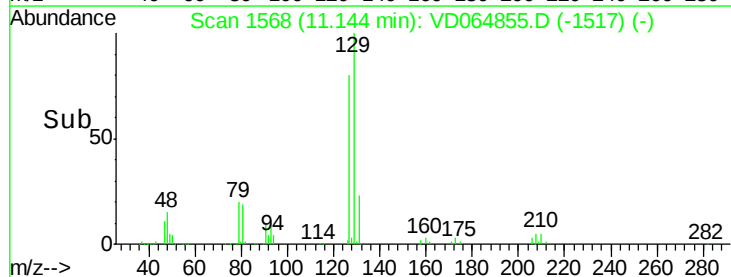
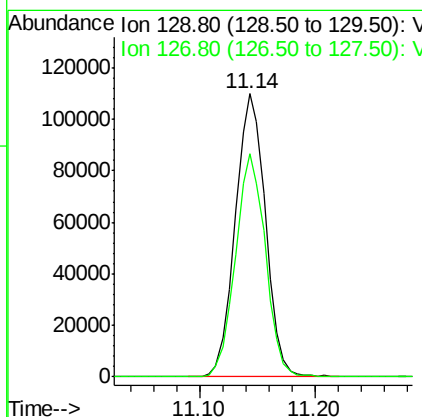
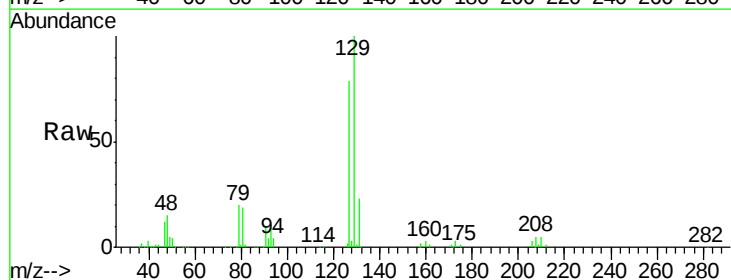
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

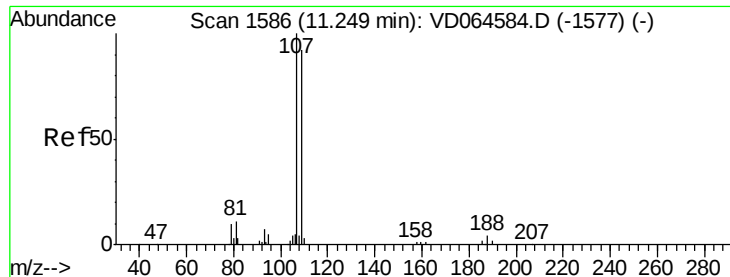
Tgt Ion: 43 Resp: 433541
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0



#60
Dibromochloromethane
Concen: 57.282 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 129 Resp: 198422
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 57.890 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

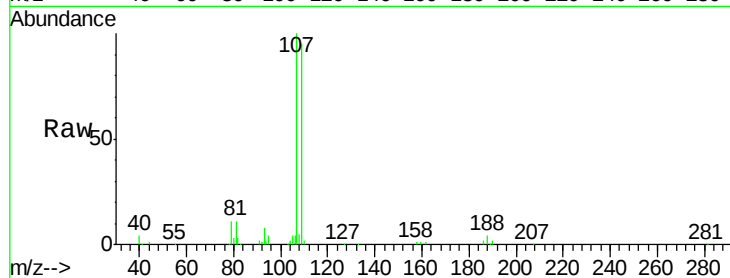
VSTDCCC050EC

Tgt Ion: 107 Resp: 143026

Ion Ratio Lower Upper

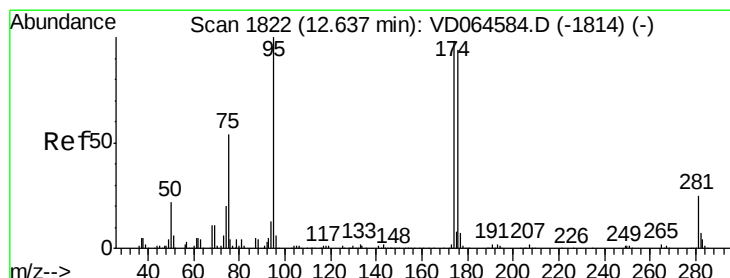
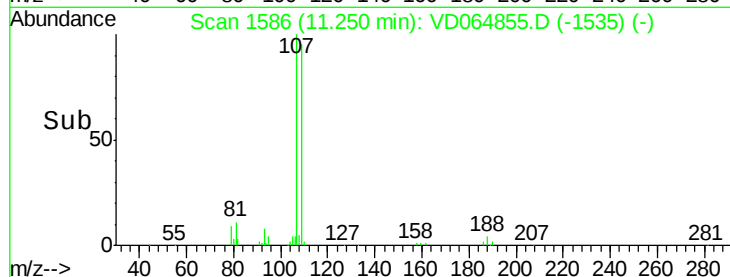
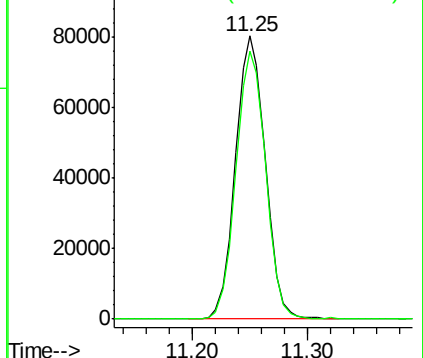
107 100

109 94.2 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.501 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

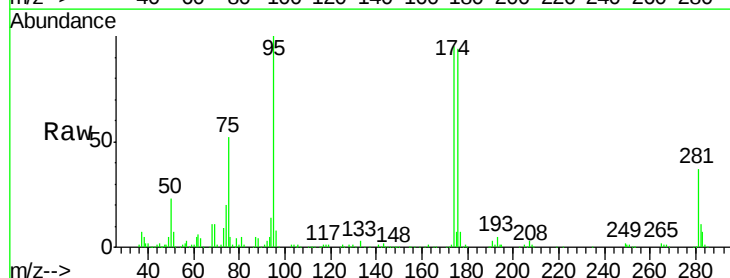
Tgt Ion: 95 Resp: 219138

Ion Ratio Lower Upper

95 100

174 93.0 0.0 193.2

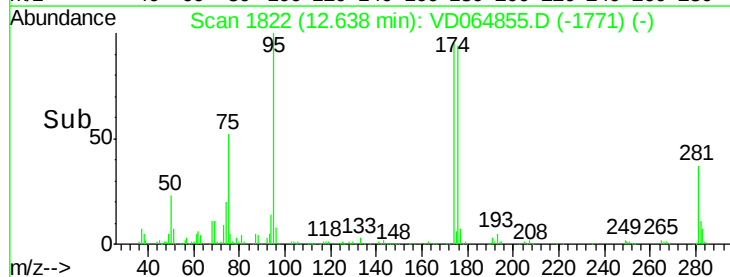
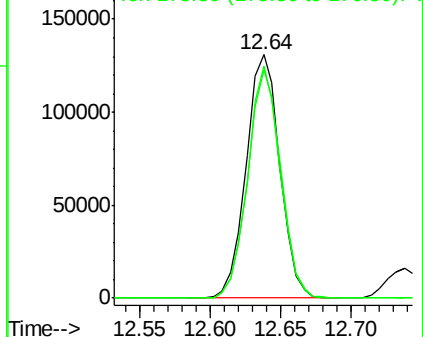
176 90.9 0.0 184.2

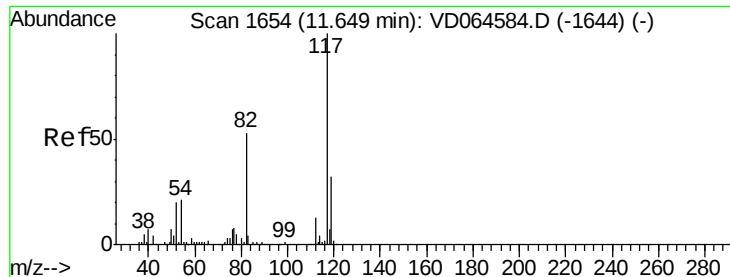


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

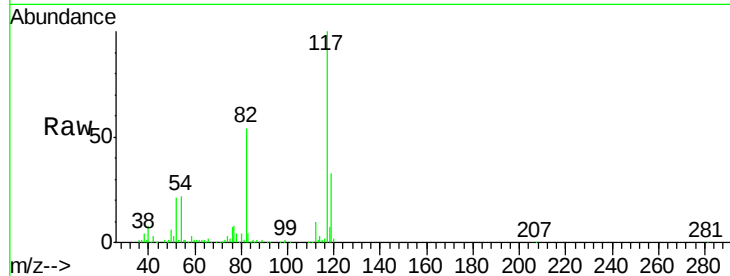




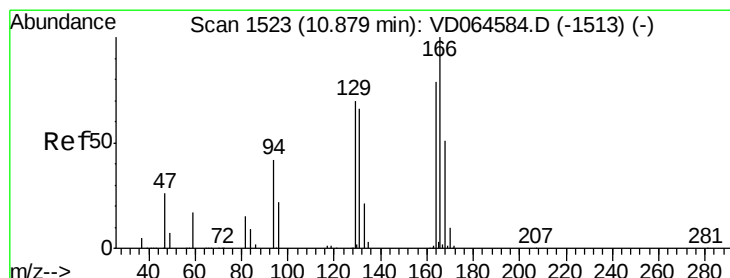
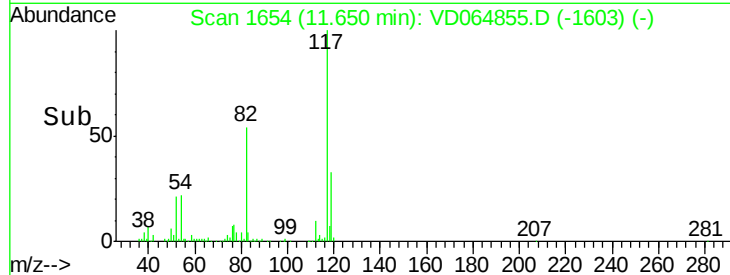
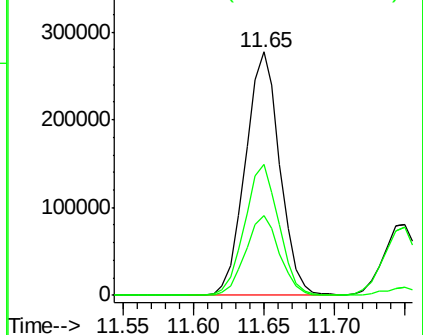
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 473908
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.6 26.0 39.0

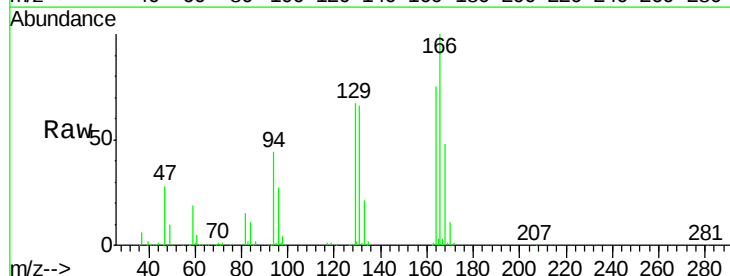


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

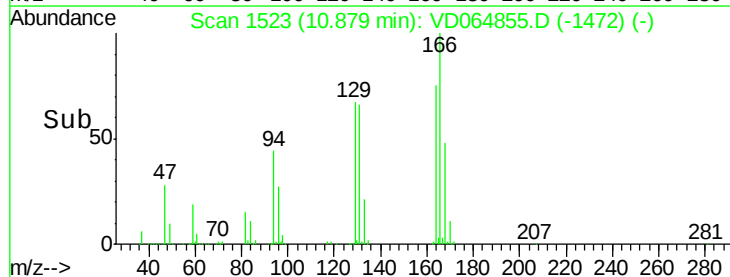
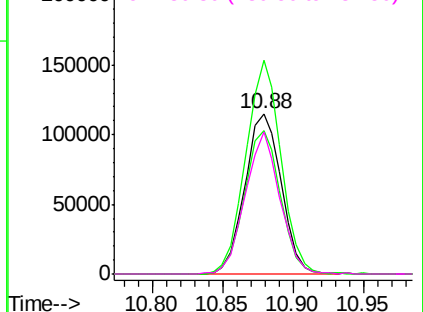


#64
Tetrachloroethene
Concen: 57.214 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion:164 Resp: 208017
Ion Ratio Lower Upper
164 100
166 133.4 101.3 151.9
129 89.6 70.5 105.7
131 88.4 66.6 99.8



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

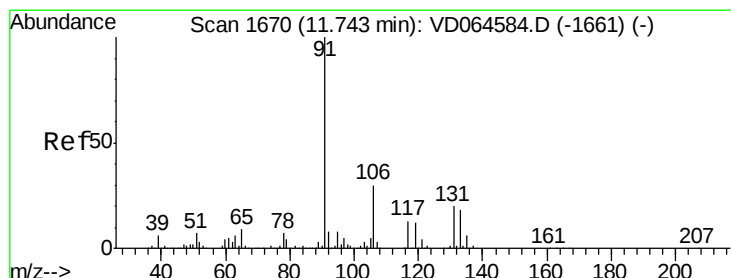
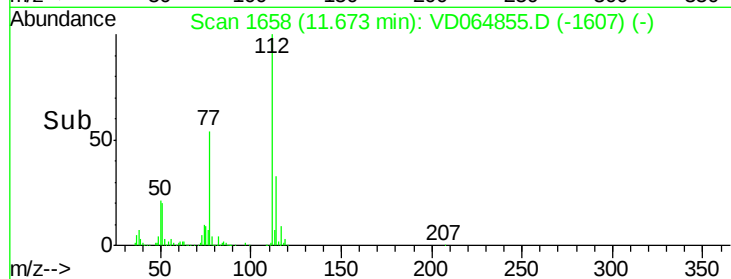
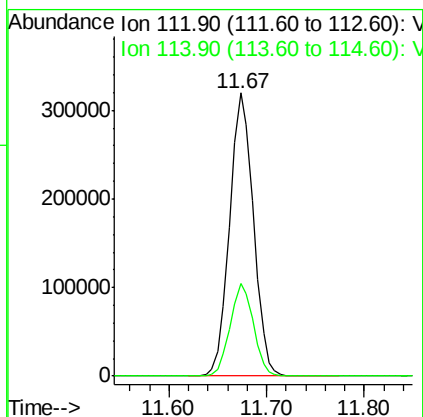
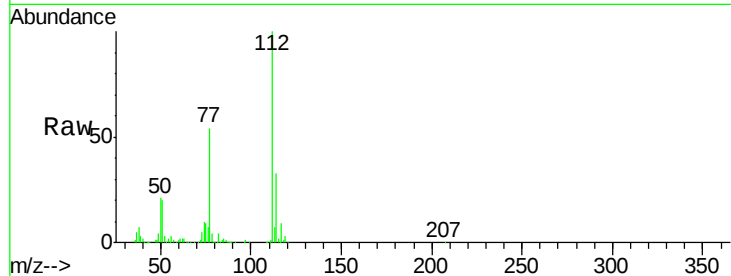




#65
Chlorobenzene
Concen: 55.213 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

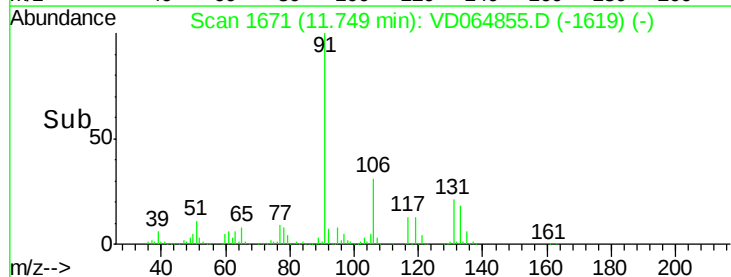
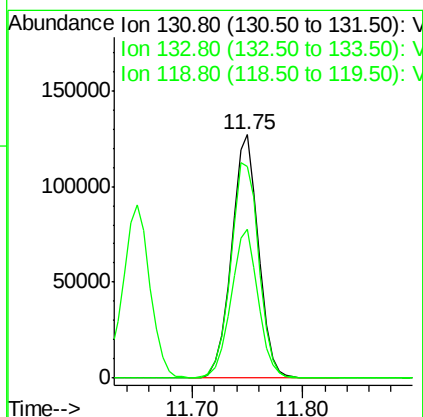
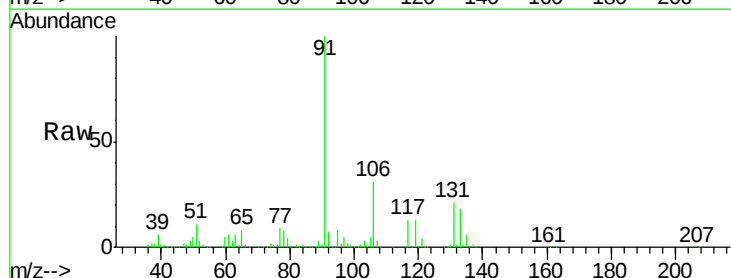
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

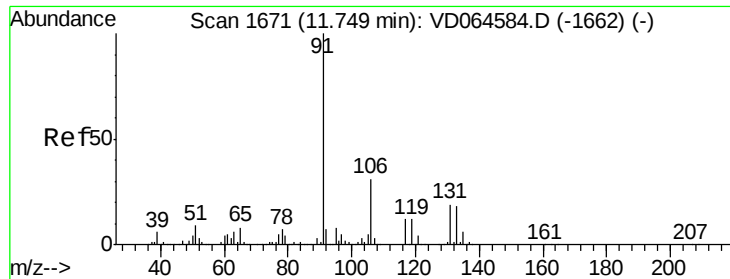
Tgt Ion:112 Resp: 543070
Ion Ratio Lower Upper
112 100
114 32.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 58.441 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion:131 Resp: 216699
Ion Ratio Lower Upper
131 100
133 93.1 48.3 144.8
119 62.0 32.1 96.3





#67

Ethyl Benzene

Concen: 54.544 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

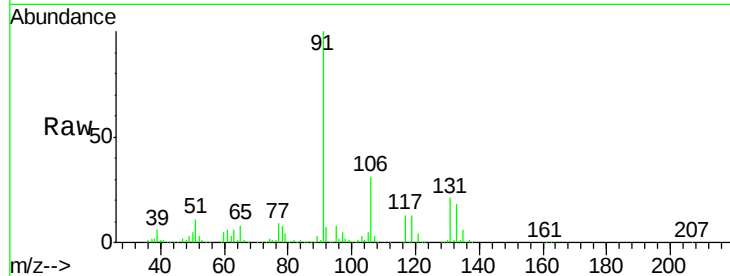
VSTDCCC050EC

Tgt Ion: 91 Resp: 973765

Ion Ratio Lower Upper

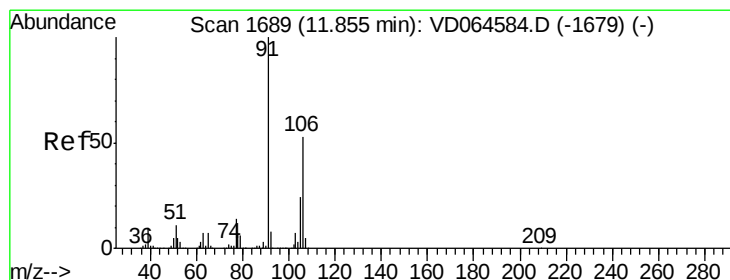
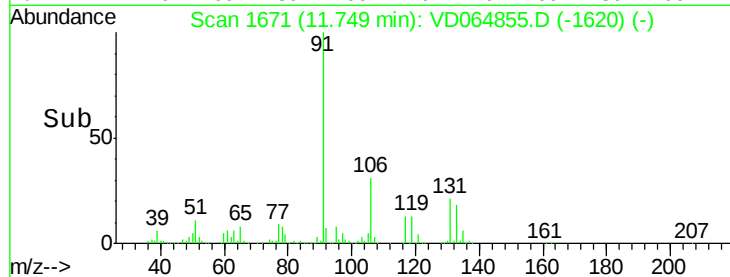
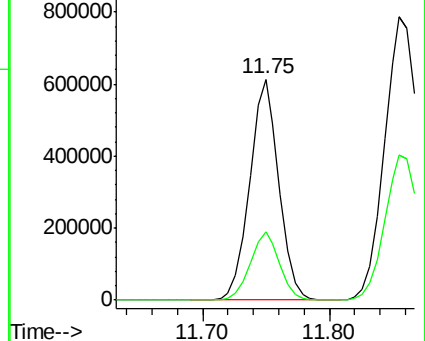
91 100

106 31.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.442 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064855.D

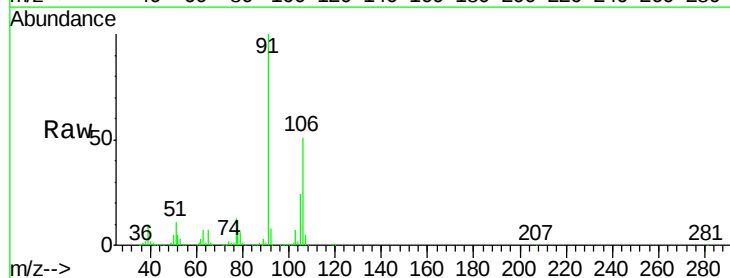
Acq: 13 Jan 2020 17:57

Tgt Ion: 106 Resp: 761033

Ion Ratio Lower Upper

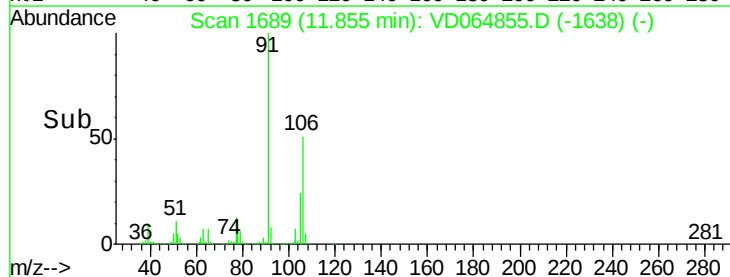
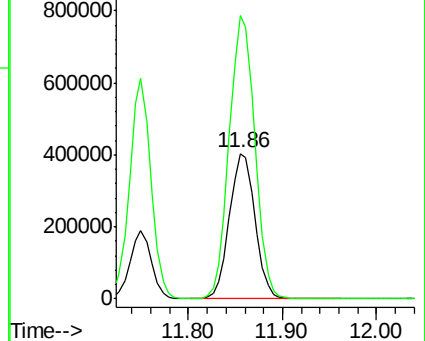
106 100

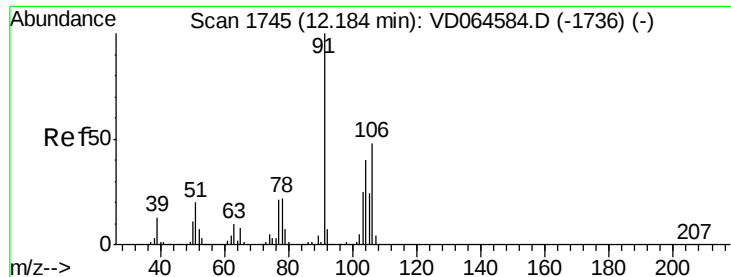
91 196.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

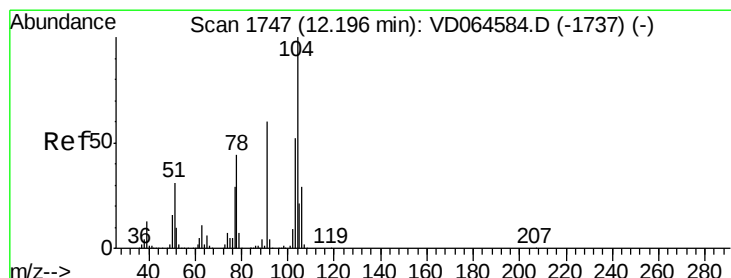
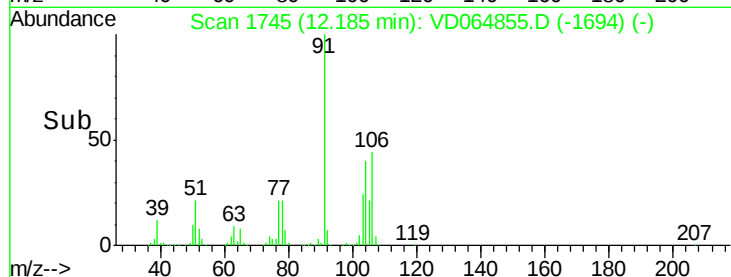
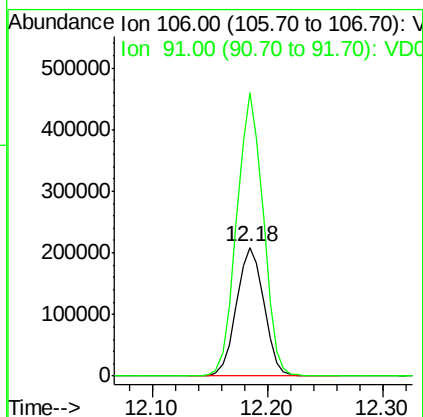
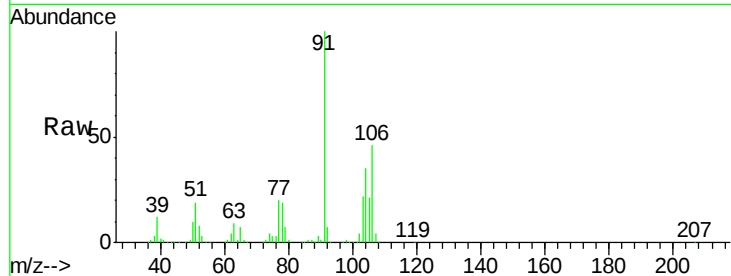




#69
o-Xylene
Concen: 55.306 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

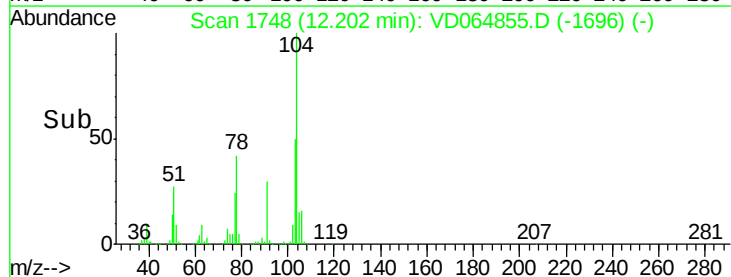
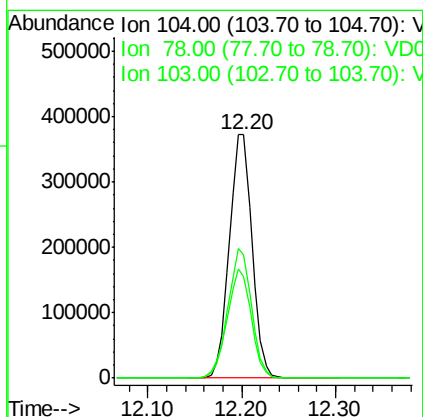
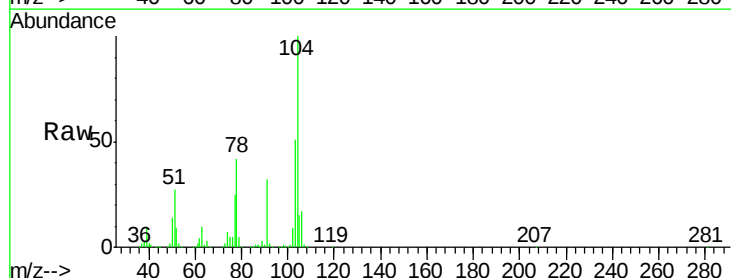
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

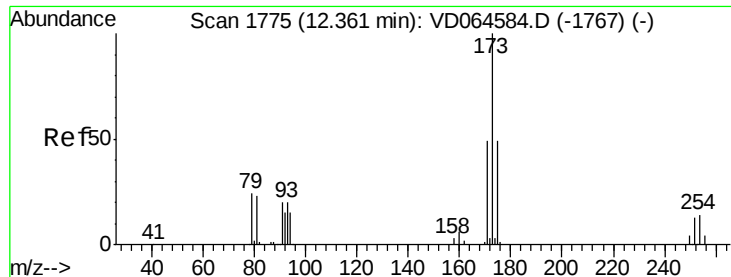
Tgt Ion:106 Resp: 344230
Ion Ratio Lower Upper
106 100
91 212.4 104.8 314.4



#70
Styrene
Concen: 57.314 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion:104 Resp: 626159
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.0 44.6 67.0





#71

Bromoform

Concen: 57.232 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

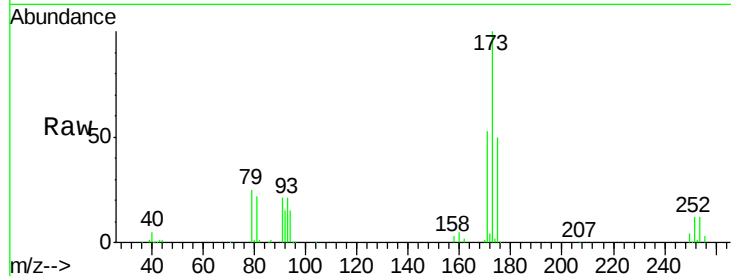
Tgt Ion:173 Resp: 121022

Ion Ratio Lower Upper

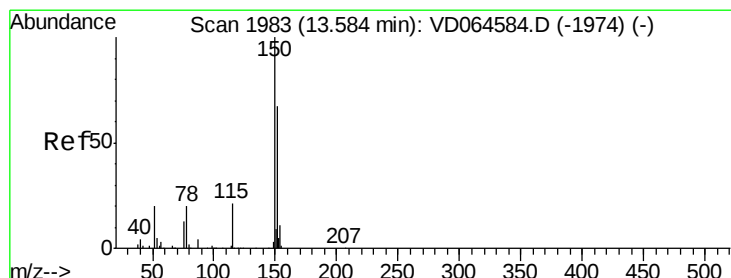
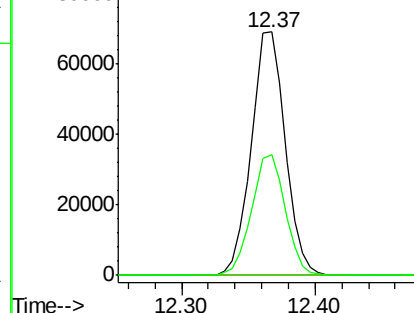
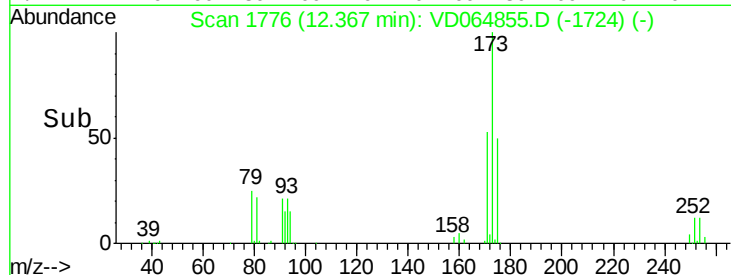
173 100

175 49.2 24.6 73.8

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

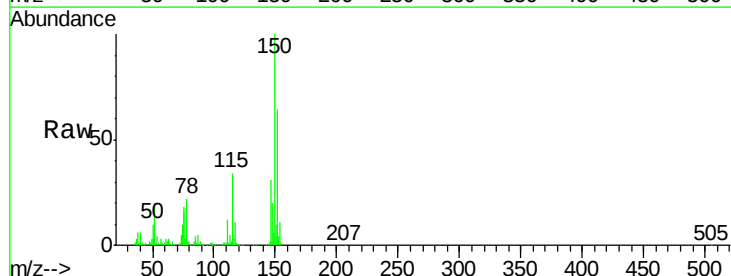
Tgt Ion:152 Resp: 241531

Ion Ratio Lower Upper

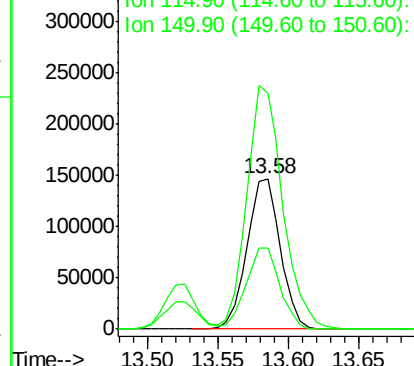
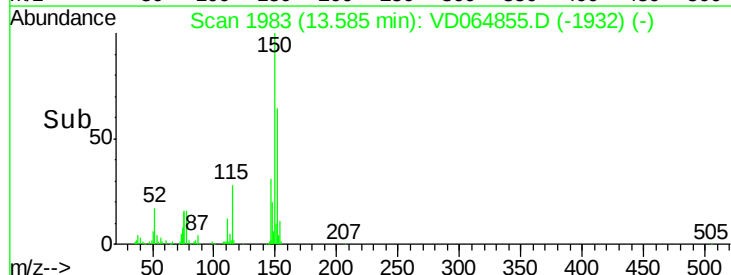
152 100

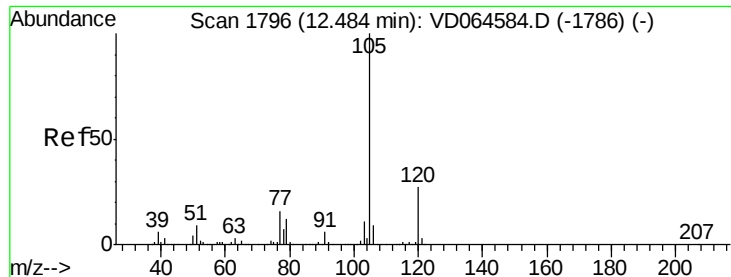
115 54.8 27.8 83.4

150 175.2 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: 53.389 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

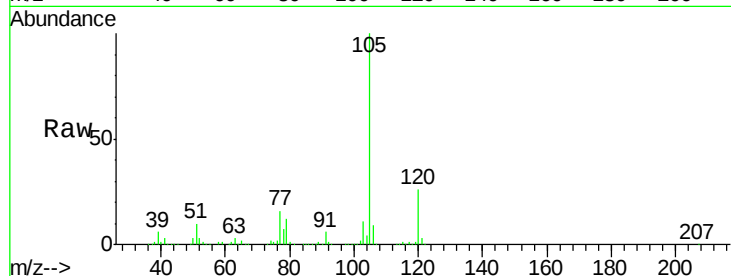
VSTDCCC050EC

Tgt Ion: 105 Resp: 921512

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

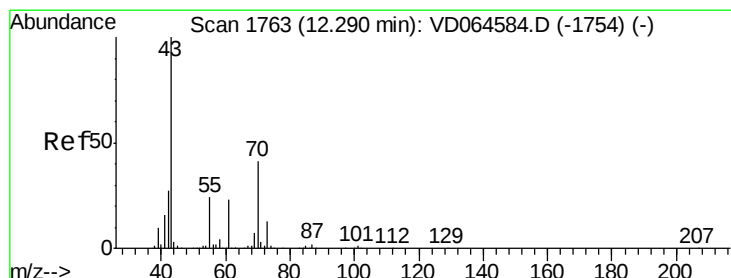
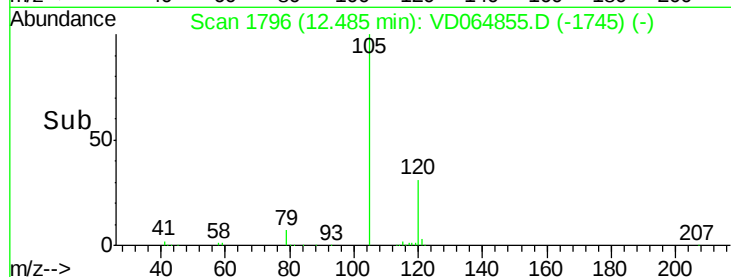
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 58.990 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Tgt Ion: 43 Resp: 217650

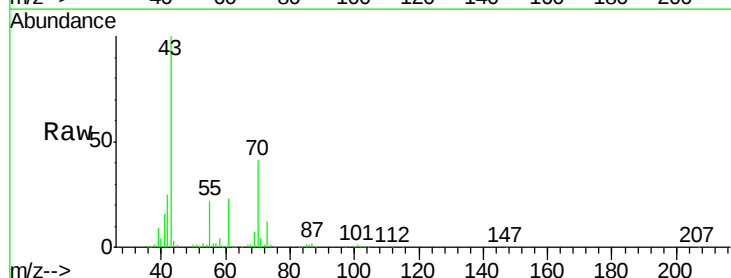
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.0

55 24.1 19.4 29.0

61 22.9 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

12.30

200000

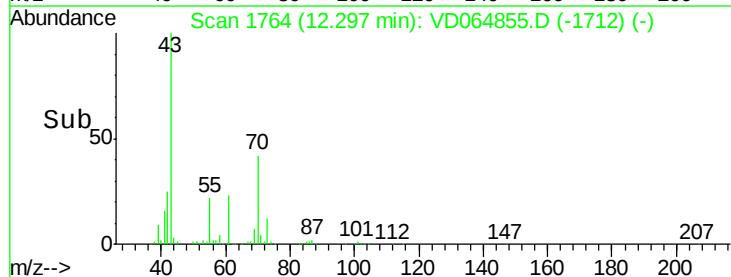
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 57.490 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

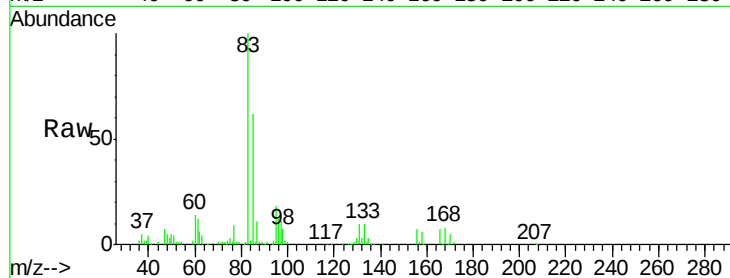
Tgt Ion: 83 Resp: 155880

Ion Ratio Lower Upper

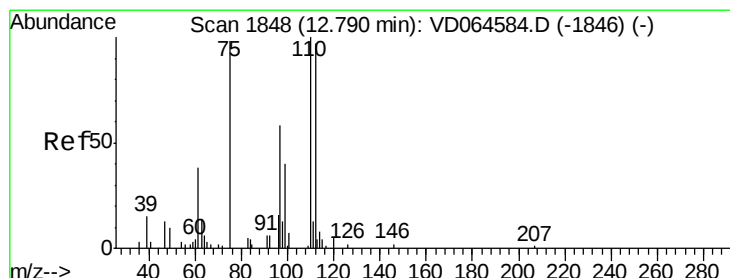
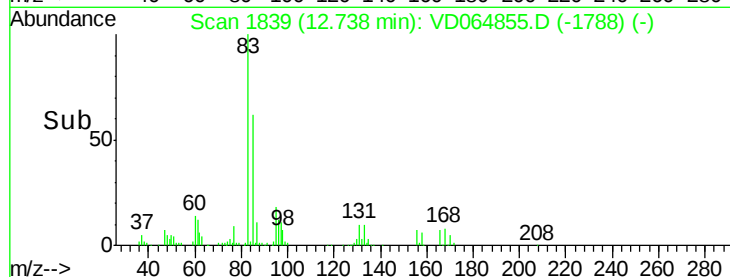
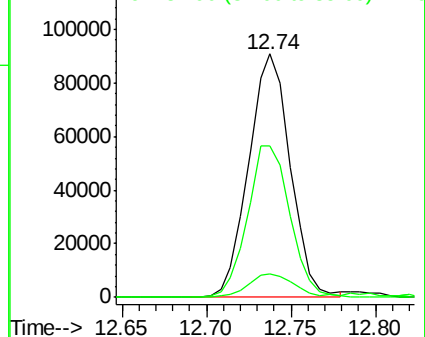
83 100

131 10.9 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: 110.093 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064855.D

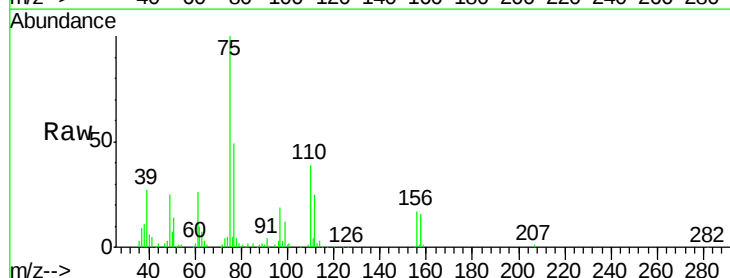
Acq: 13 Jan 2020 17:57

Tgt Ion: 75 Resp: 209977

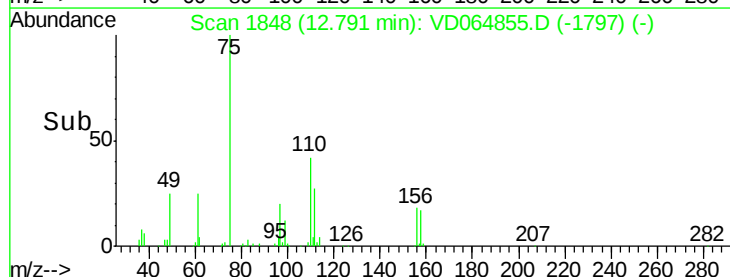
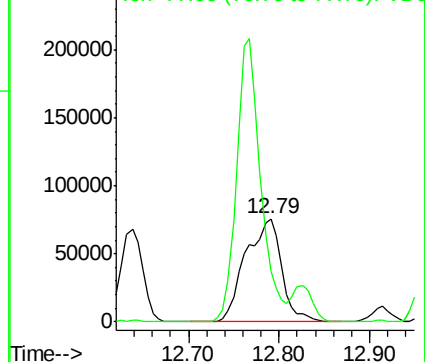
Ion Ratio Lower Upper

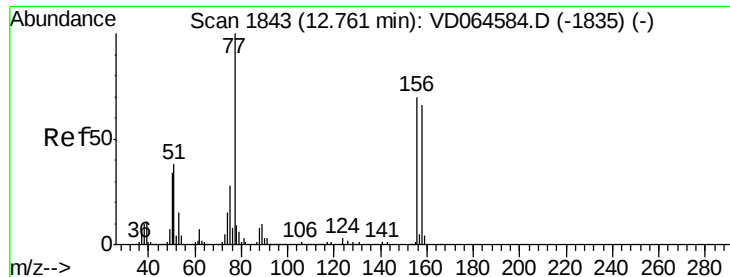
75 100

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: 54.624 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

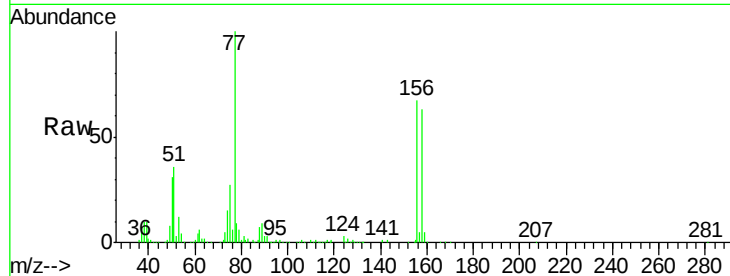
Tgt Ion:156 Resp: 231666

Ion Ratio Lower Upper

156 100

77 167.5 80.9 242.7

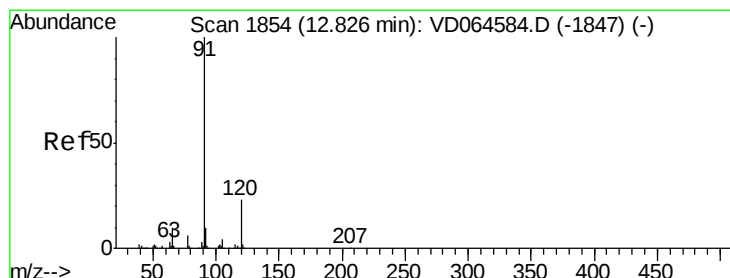
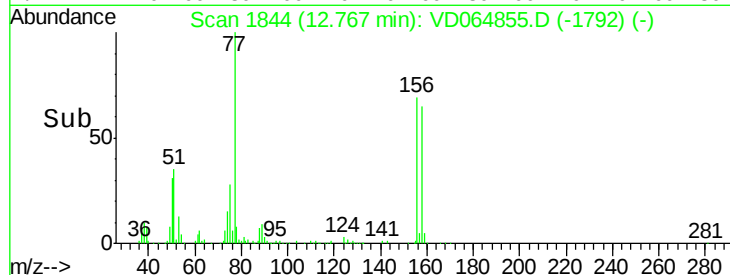
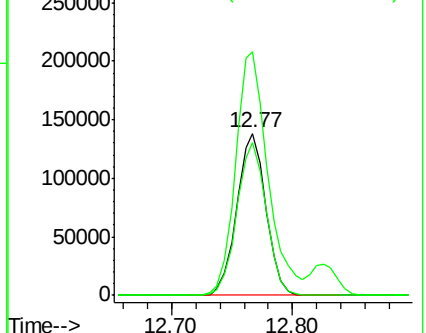
158 95.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.269 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064855.D

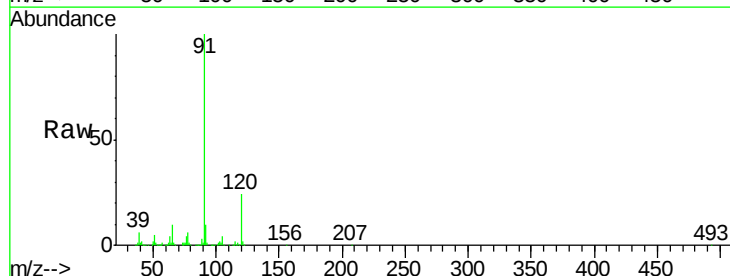
Acq: 13 Jan 2020 17:57

Tgt Ion: 91 Resp: 1072640

Ion Ratio Lower Upper

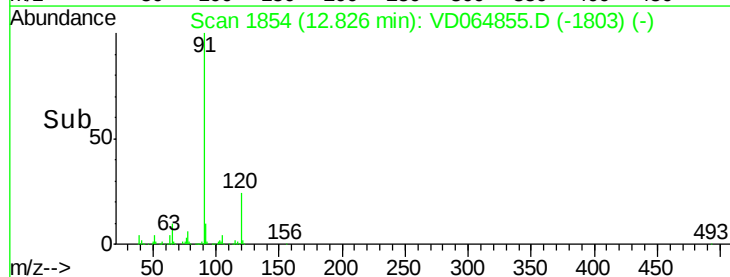
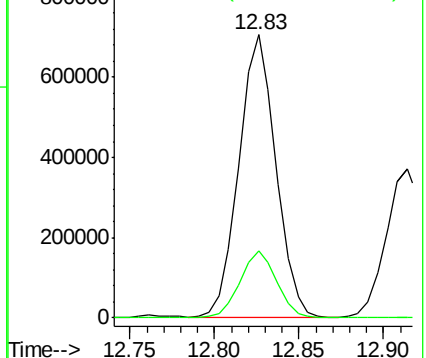
91 100

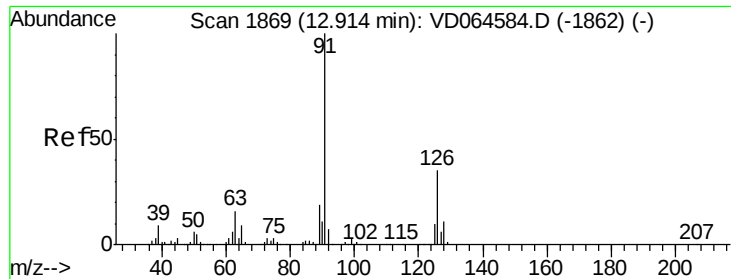
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.231 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

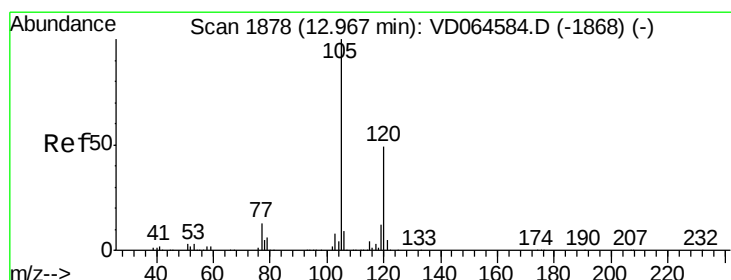
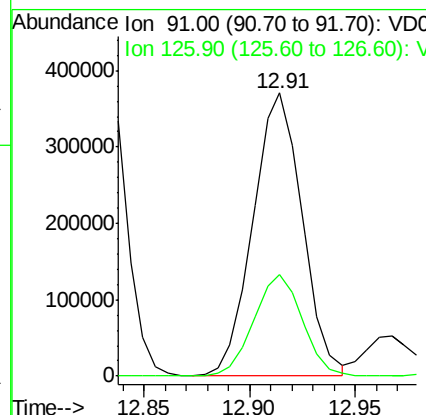
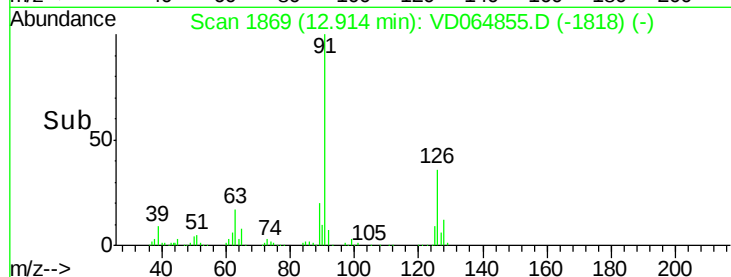
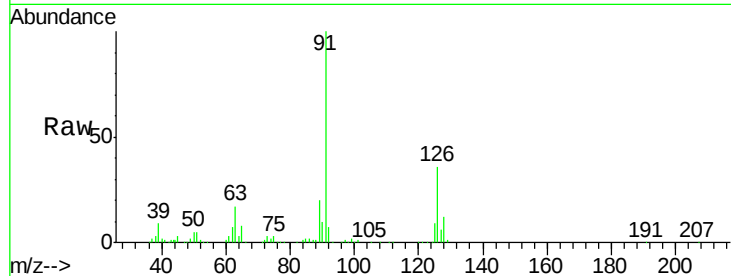
VSTDCCC050EC

Tgt Ion: 91 Resp: 599891

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 53.888 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064855.D

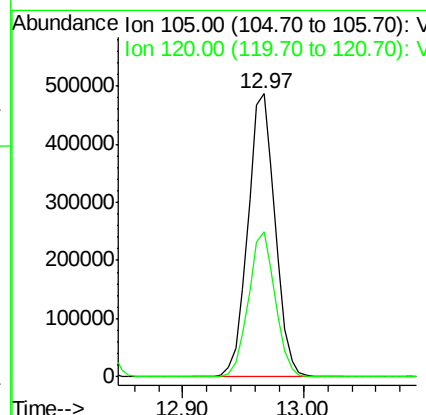
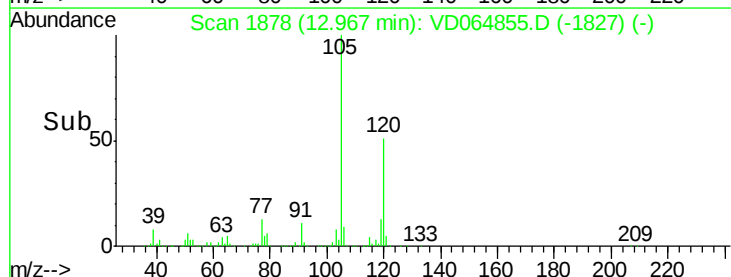
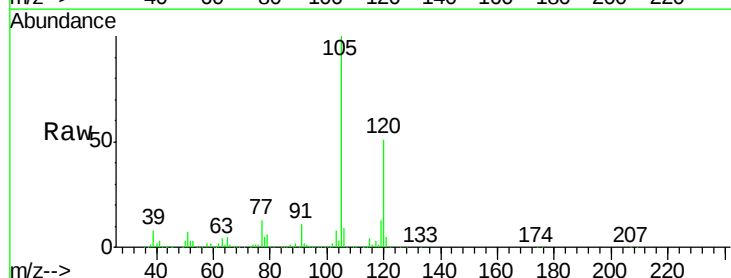
Acq: 13 Jan 2020 17:57

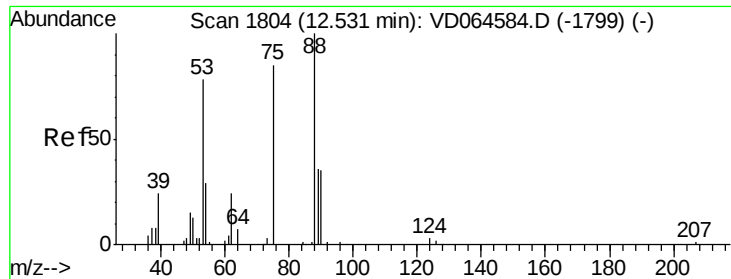
Tgt Ion: 105 Resp: 764051

Ion Ratio Lower Upper

105 100

120 50.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.650 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

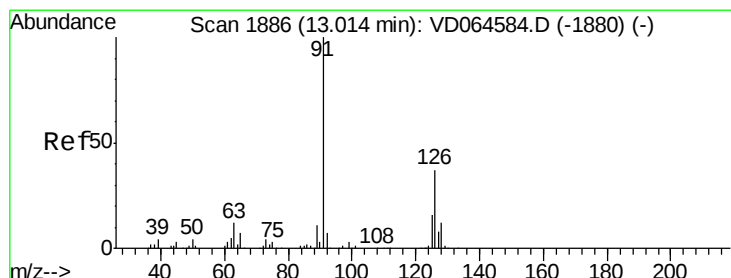
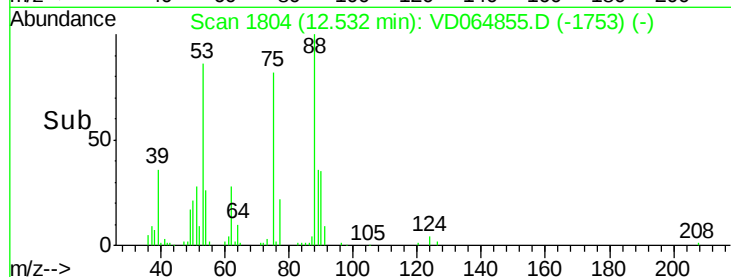
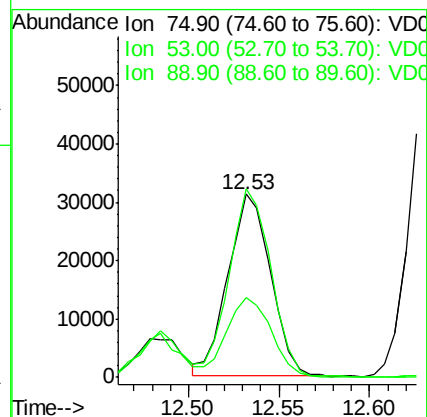
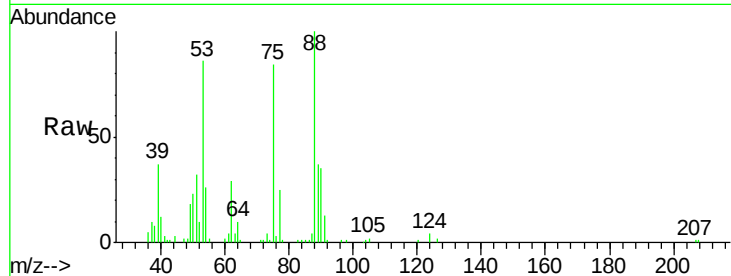
Tgt Ion: 75 Resp: 50749

Ion Ratio Lower Upper

75 100

53 103.2 78.8 118.2

89 45.3 38.3 57.5



#82

4-Chlorotoluene

Concen: 54.552 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064855.D

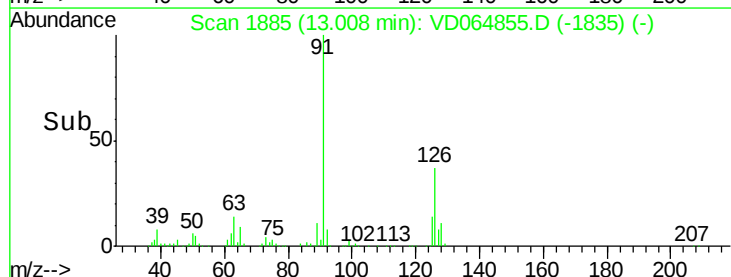
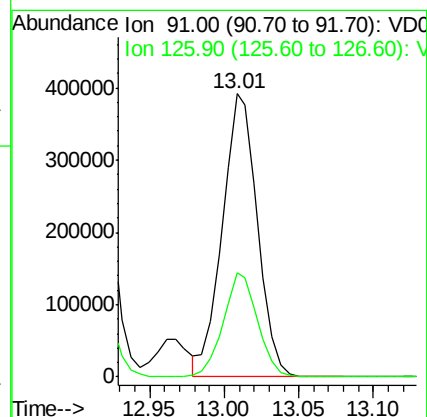
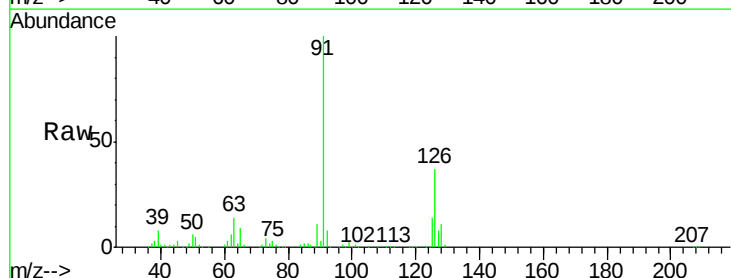
Acq: 13 Jan 2020 17:57

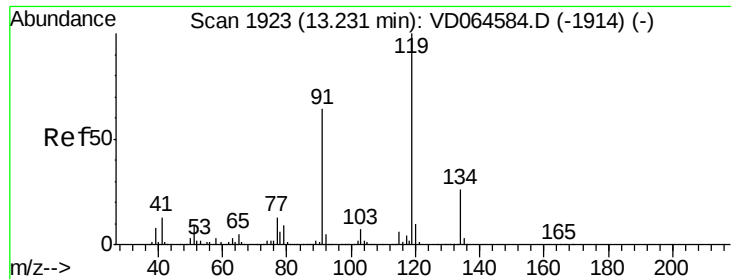
Tgt Ion: 91 Resp: 642171

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5

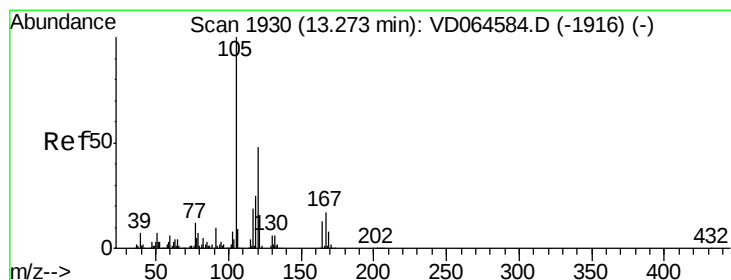
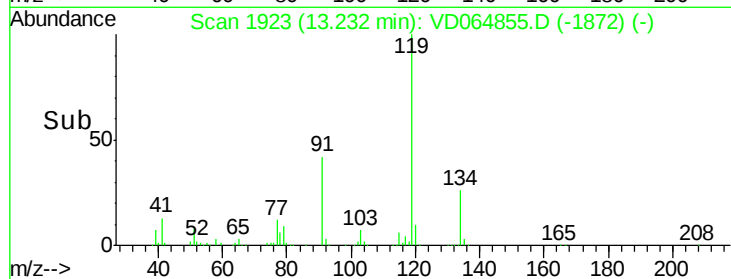
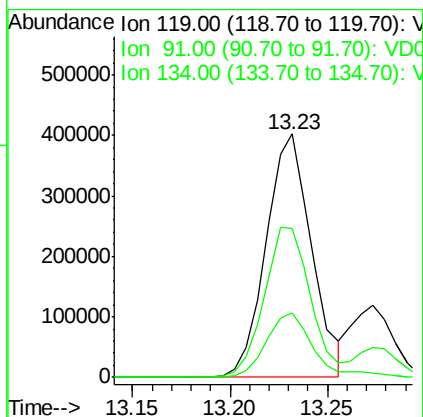
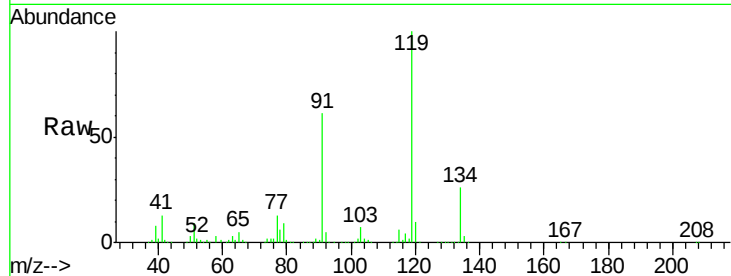




#83
 tert-Butylbenzene
 Concen: 52.798 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

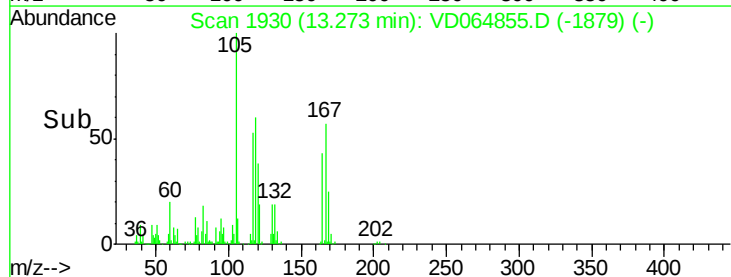
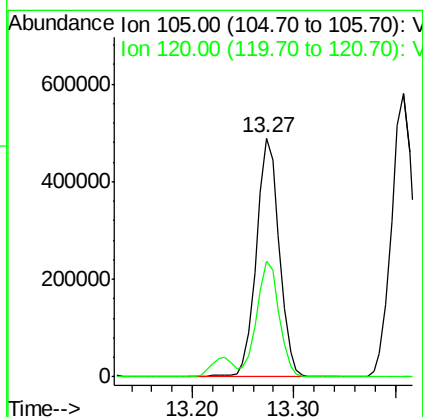
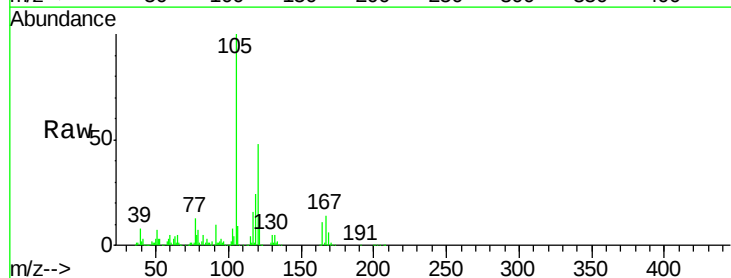
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

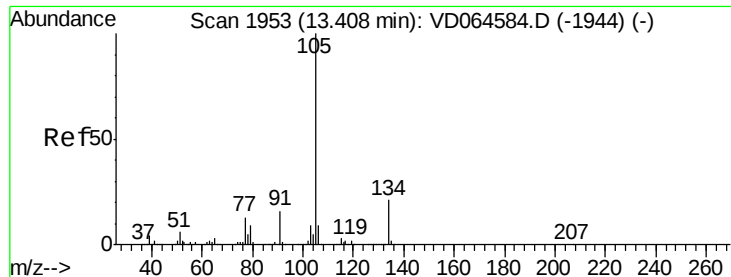
Tgt Ion:119 Resp: 649975
 Ion Ratio Lower Upper
 119 100
 91 62.4 30.8 92.4
 134 27.5 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 54.258 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion:105 Resp: 766176
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.2

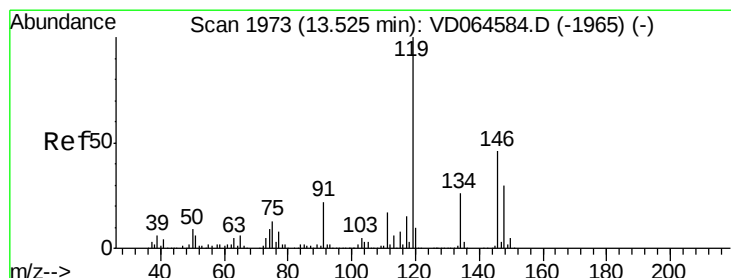
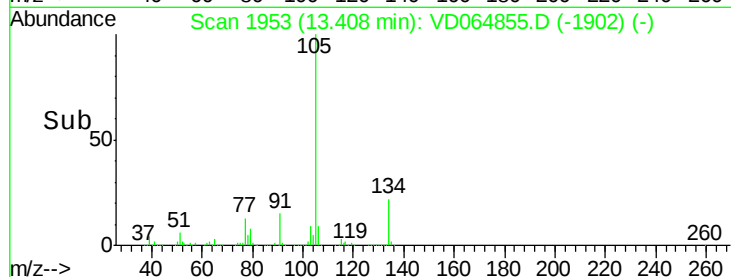
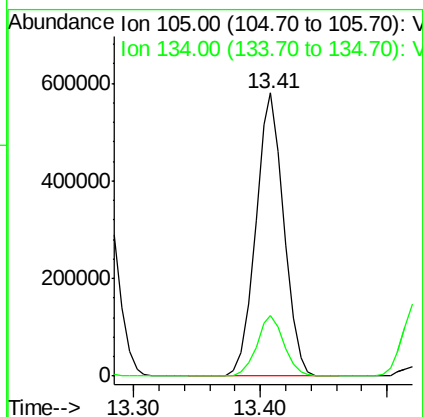
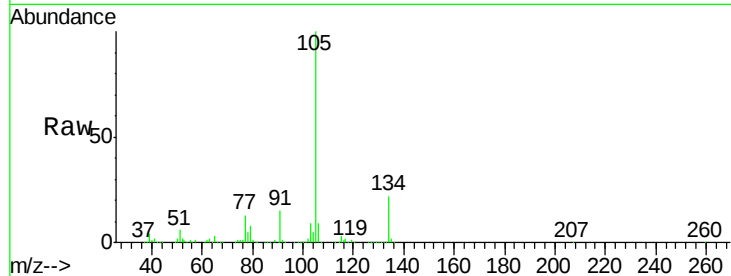




#85
 sec-Butylbenzene
 Concen: 52.836 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

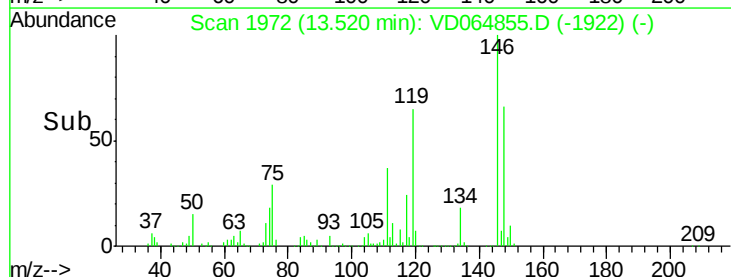
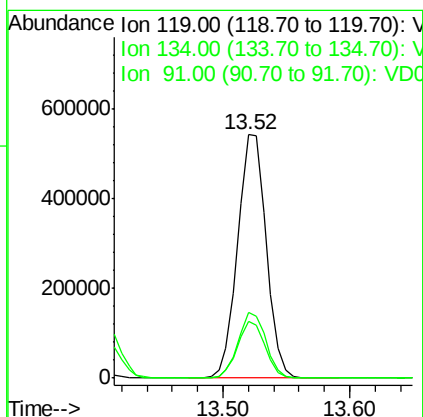
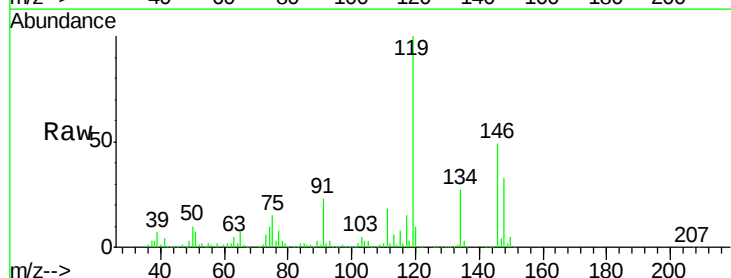
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

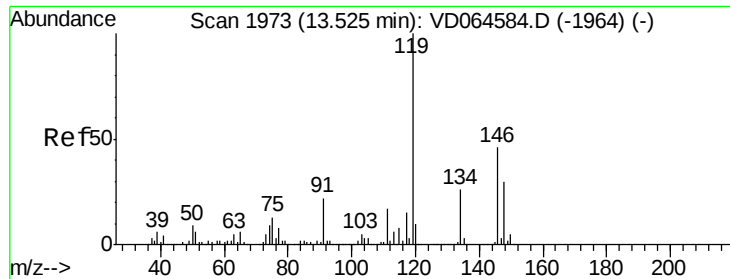
Tgt Ion:105 Resp: 891717
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 52.292 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion:119 Resp: 843867
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.1
 91 22.6 11.2 33.6

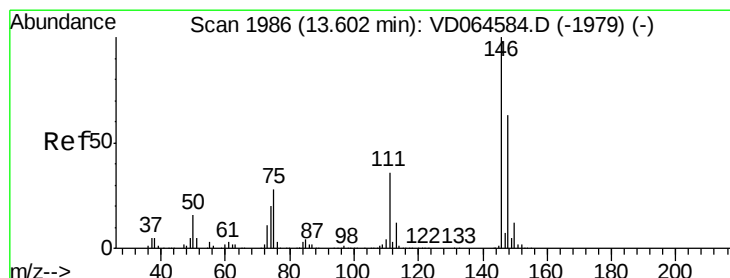
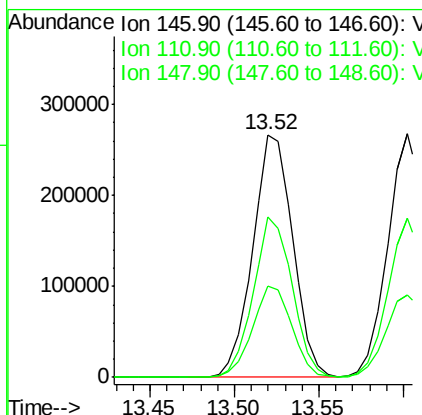
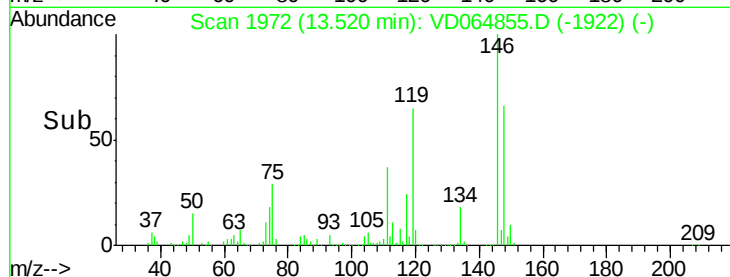
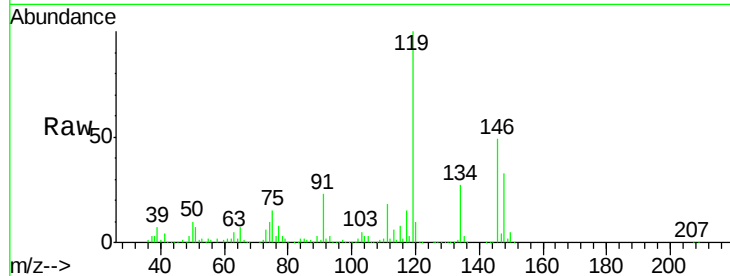




#87
 1,3-Dichlorobenzene
 Concen: 54.368 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

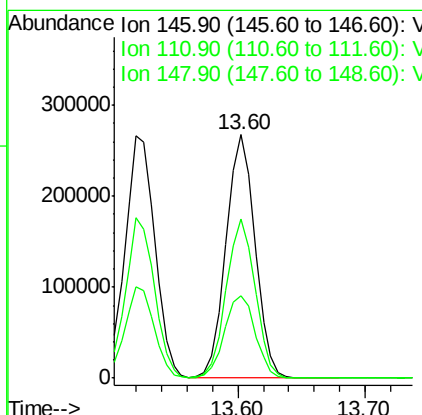
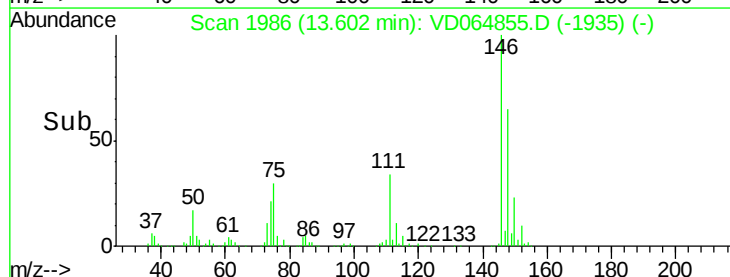
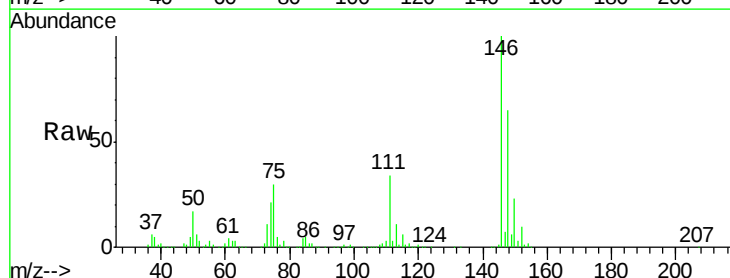
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

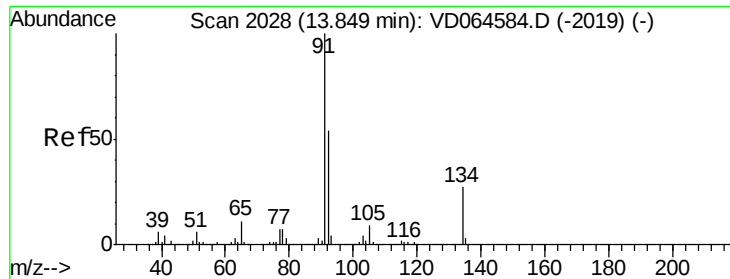
Tgt Ion:146 Resp: 439563
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.2 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 53.290 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion:146 Resp: 423254
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.1
 148 65.3 32.3 96.9

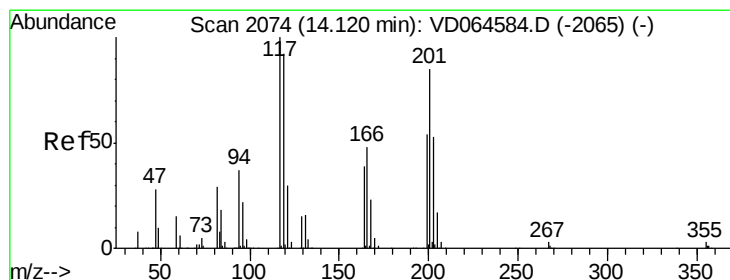
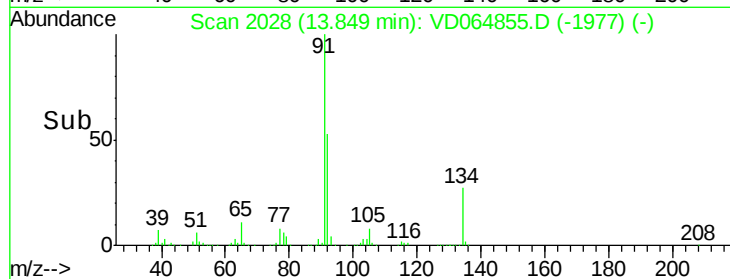
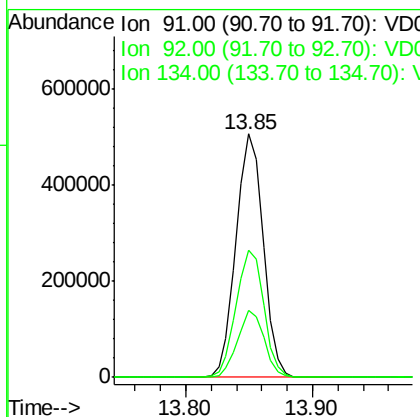
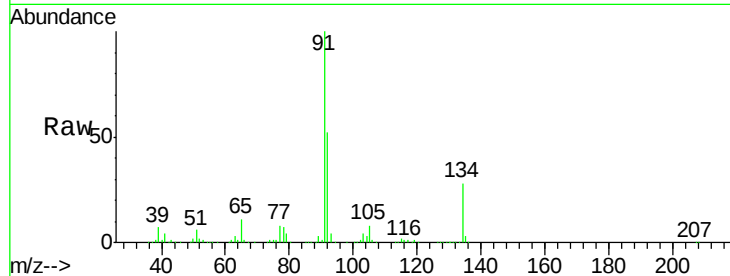




#89
n-Butylbenzene
Concen: 51.754 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

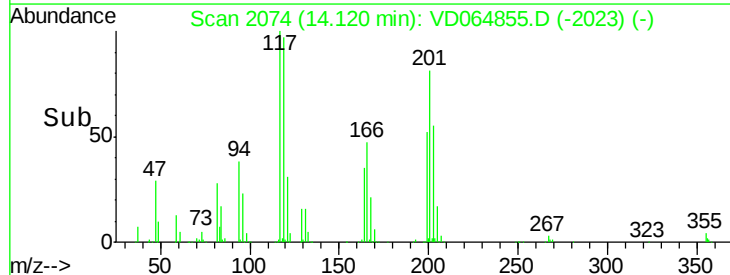
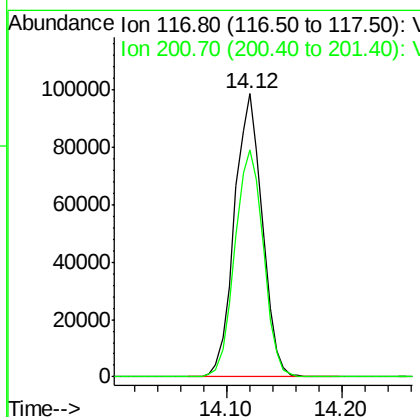
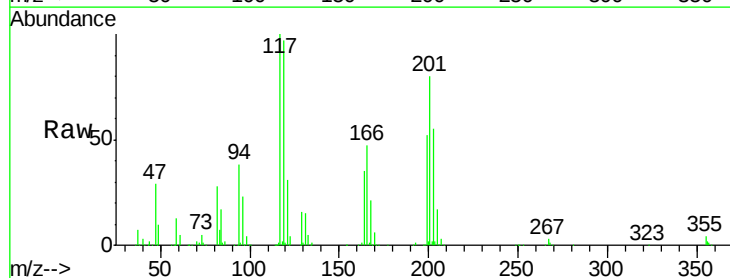
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

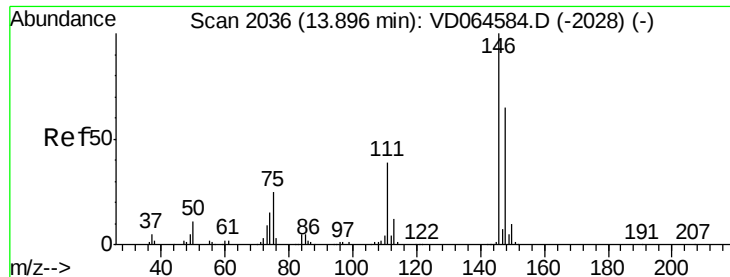
Tgt Ion: 91 Resp: 752113
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.4
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 53.529 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion: 117 Resp: 165010
Ion Ratio Lower Upper
117 100
201 82.0 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 53.825 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

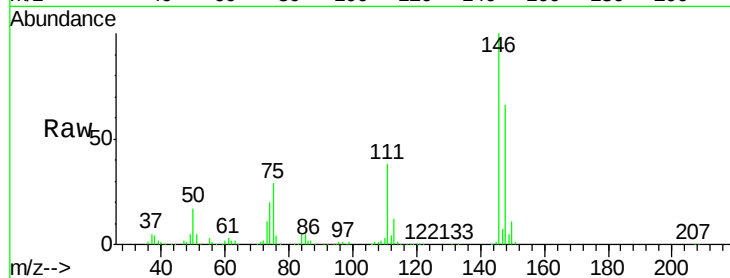
Tgt Ion:146 Resp: 371077

Ion Ratio Lower Upper

146 100

111 38.7 19.3 57.9

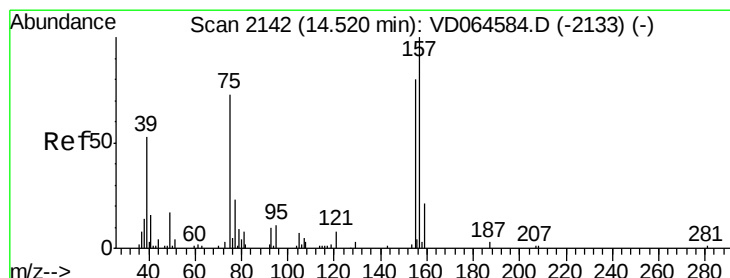
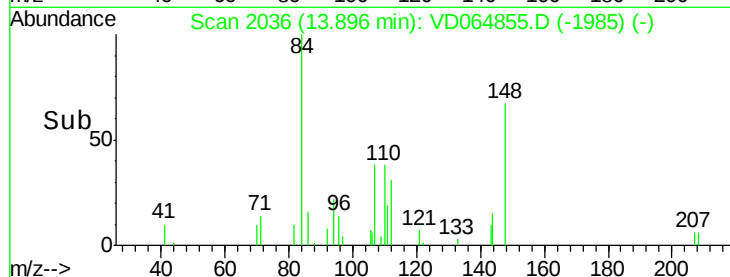
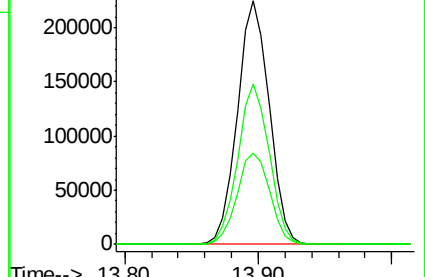
148 65.2 31.9 95.5



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: 56.291 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064855.D

Acq: 13 Jan 2020 17:57

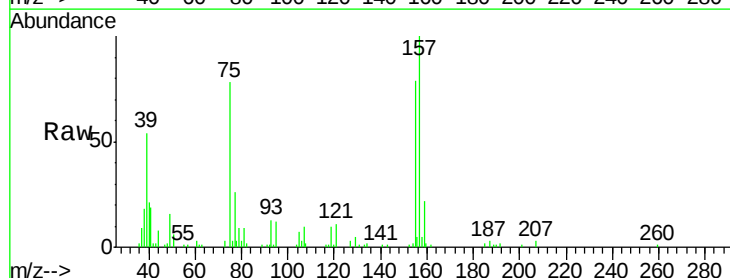
Tgt Ion: 75 Resp: 24743

Ion Ratio Lower Upper

75 100

155 96.8 48.0 144.0

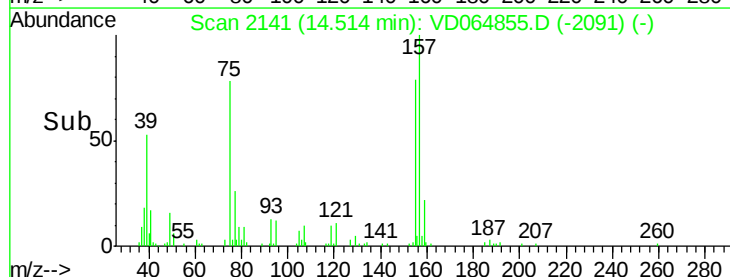
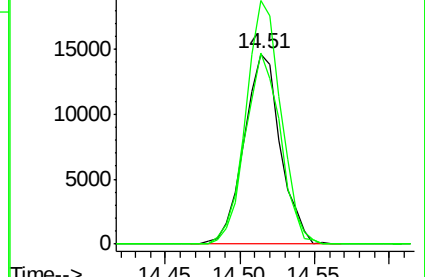
157 123.0 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

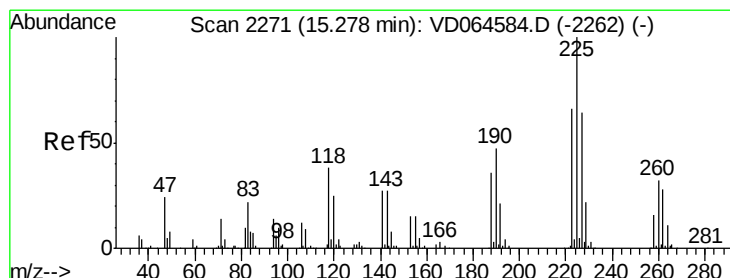
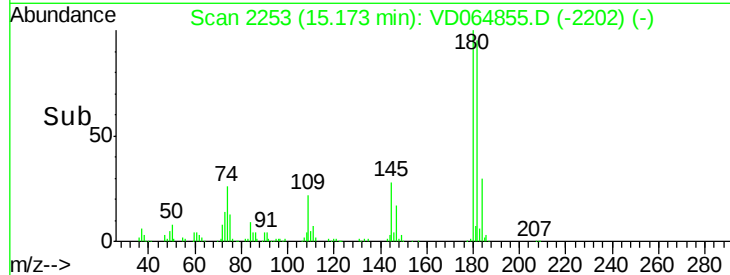
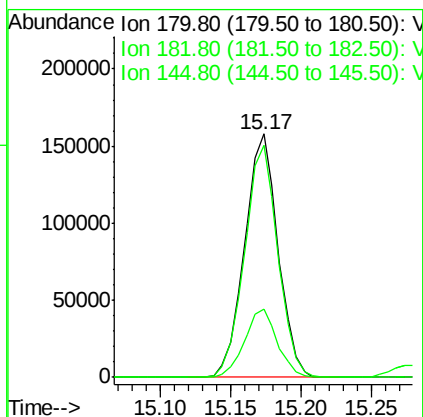
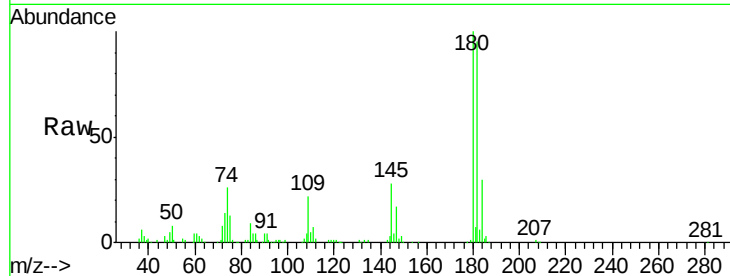




#93
 1,2,4-Trichlorobenzene
 Concen: 51.527 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

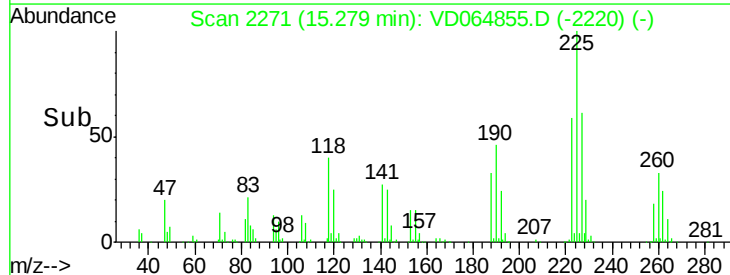
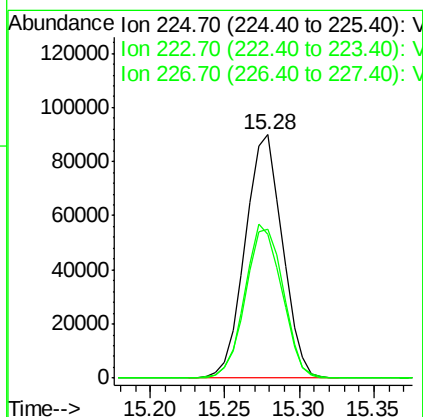
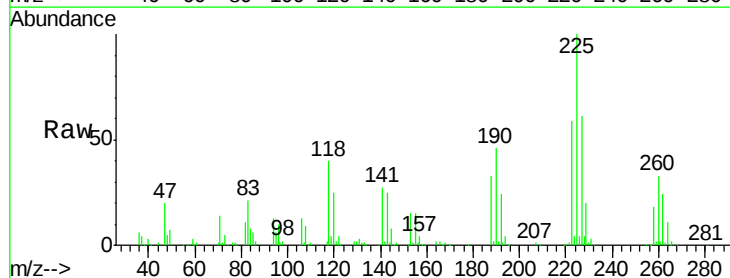
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 261563
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.2
 145 27.4 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 48.661 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064855.D
 Acq: 13 Jan 2020 17:57

Tgt Ion:225 Resp: 155440
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.2
 227 62.9 30.9 92.7

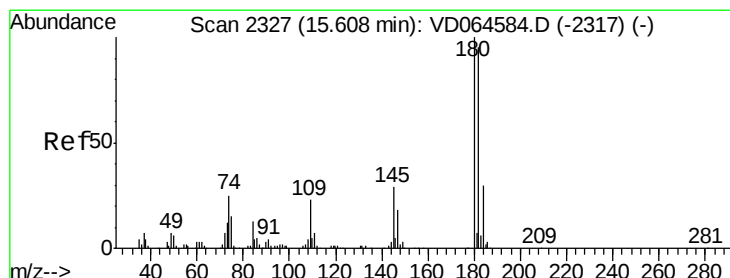
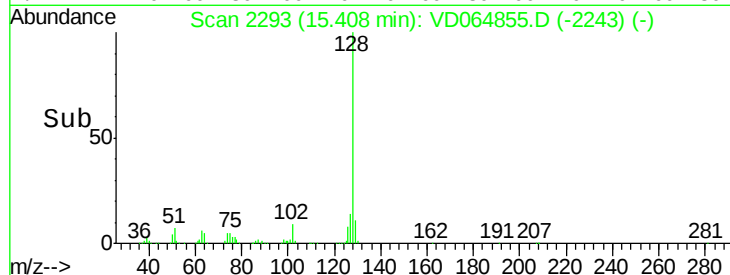
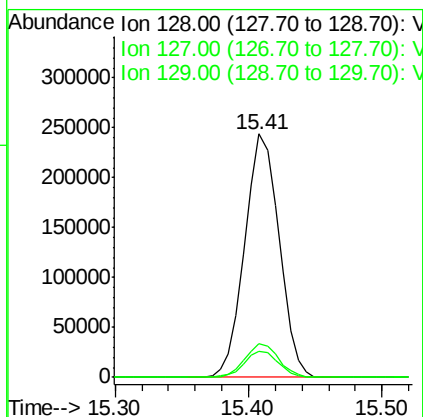
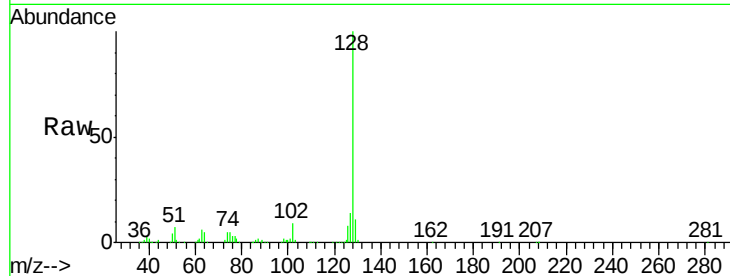




#95
Naphthalene
Concen: 54.283 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 435926
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 51.963 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064855.D
Acq: 13 Jan 2020 17:57

Tgt Ion:180 Resp: 225184
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.7
145 30.1 14.9 44.7

