

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064857.D
 Acq On : 17 Jan 2020 12:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 17 22:50:29 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	383962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	553117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243415	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	176544	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.92	113	179707	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	10.34	98	651991	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	212471	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	127093	42.59	ug/l	99
3) Chloromethane	2.21	50	191374	45.86	ug/l	99
4) Vinyl Chloride	2.35	62	223057	43.84	ug/l	97
5) Bromomethane	2.77	94	147404	39.84	ug/l	93
6) Chloroethane	2.92	64	153461	45.01	ug/l	94
7) Trichlorofluoromethane	3.27	101	372602	43.49	ug/l	100
8) Diethyl Ether	3.70	74	84012	49.38	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	184979	52.13	ug/l	98
10) Methyl Iodide	4.30	142	187852	49.29	ug/l	98
11) Tert butyl alcohol	5.24	59	53821	277.37	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	167439	49.57	ug/l	96
13) Acrolein	3.93	56	32324	119.53	ug/l	96
14) Allyl chloride	4.71	41	284147	53.95	ug/l	98
15) Acrylonitrile	5.43	53	181500	256.12	ug/l	98
16) Acetone	4.16	43	217930	314.64	ug/l #	88
17) Carbon Disulfide	4.40	76	481161	44.05	ug/l	98
18) Methyl Acetate	4.72	43	95578	50.14	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	391339	52.16	ug/l	99
20) Methylene Chloride	4.96	84	194065	56.70	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	192316	49.99	ug/l	96
22) Diisopropyl ether	6.37	45	569538	54.22	ug/l	98
23) Vinyl Acetate	6.31	43	1595516	267.74	ug/l	99
24) 1,1-Dichloroethane	6.27	63	345121	54.72	ug/l	100
25) 2-Butanone	7.22	43	252052	270.83	ug/l	98
26) 2,2-Dichloropropane	7.21	77	319438	54.48	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	215686	51.95	ug/l	97
28) Bromochloromethane	7.55	49	134579	54.90	ug/l	99
29) Tetrahydrofuran	7.57	42	145728	251.80	ug/l	95
30) Chloroform	7.71	83	356330	53.85	ug/l	99
31) Cyclohexane	7.99	56	296029	46.89	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	333217	53.62	ug/l	99
36) 1,1-Dichloropropene	8.11	75	272550	51.20	ug/l	99
37) Ethyl Acetate	7.30	43	103150	49.32	ug/l	96
38) Carbon Tetrachloride	8.10	117	305547	53.83	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064857.D
 Acq On : 17 Jan 2020 12:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 17 22:50:29 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)
39) Methylcyclohexane	9.36	83	319285	49.52	ug/l	96
40) Benzene	8.35	78	764847	52.63	ug/l	97
41) Methacrylonitrile	7.53	41	64238	52.94	ug/l	98
42) 1,2-Dichloroethane	8.43	62	222724	53.03	ug/l	99
43) Isopropyl Acetate	8.46	43	212183	50.97	ug/l	99
44) Trichloroethene	9.11	130	218563	51.19	ug/l	100
45) 1,2-Dichloropropane	9.39	63	187208	53.95	ug/l	100
46) Dibromomethane	9.48	93	99028	51.19	ug/l	98
47) Bromodichloromethane	9.67	83	274788	53.38	ug/l	96
48) Methyl methacrylate	9.46	41	98787	50.40	ug/l	94
49) 1,4-Dioxane	9.47	88	22195	994.95	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	523956	254.64	ug/l	99
52) Toluene	10.41	92	497398	52.17	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	257375	53.62	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	302247	53.41	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	133767	51.31	ug/l	96
56) Ethyl methacrylate	10.67	69	168114	51.63	ug/l	97
57) 1,3-Dichloropropane	10.95	76	232719	51.84	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	298834	240.89	ug/l	100
59) 2-Hexanone	10.99	43	394532	282.51	ug/l	99
60) Dibromochloromethane	11.14	129	184806	51.26	ug/l	100
61) 1,2-Dibromoethane	11.25	107	128601	50.01	ug/l	100
64) Tetrachloroethene	10.88	164	183619	50.02	ug/l	98
65) Chlorobenzene	11.67	112	525977	52.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	202609	54.12	ug/l	99
67) Ethyl Benzene	11.75	91	966504	53.62	ug/l	100
68) m/p-Xylenes	11.86	106	742560	106.73	ug/l	99
69) o-Xylene	12.18	106	327417	52.10	ug/l	97
70) Styrene	12.20	104	597422	54.16	ug/l	99
71) Bromoform	12.37	173	108255	50.71	ug/l #	98
73) Isopropylbenzene	12.48	105	925378	53.20	ug/l	99
74) N-amyl acetate	12.30	43	192443	51.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	139185	50.94	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	186108	96.82	ug/l #	100
77) Bromobenzene	12.77	156	216843	50.73	ug/l	98
78) n-propylbenzene	12.83	91	1084714	53.45	ug/l	99
79) 2-Chlorotoluene	12.91	91	586993	52.65	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	751843	52.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	47762	51.97	ug/l	98
82) 4-Chlorotoluene	13.01	91	615071	51.85	ug/l	98
83) tert-Butylbenzene	13.23	119	652331	52.58	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	753845	52.97	ug/l	98
85) sec-Butylbenzene	13.41	105	912430	53.64	ug/l	99
86) p-Isopropyltoluene	13.53	119	862444	53.03	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	422836	51.89	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	404633	50.55	ug/l	98
89) n-Butylbenzene	13.85	91	772710	52.76	ug/l	99
90) Hexachloroethane	14.12	117	164508	52.95	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	352916	50.79	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20621	46.55	ug/l	96

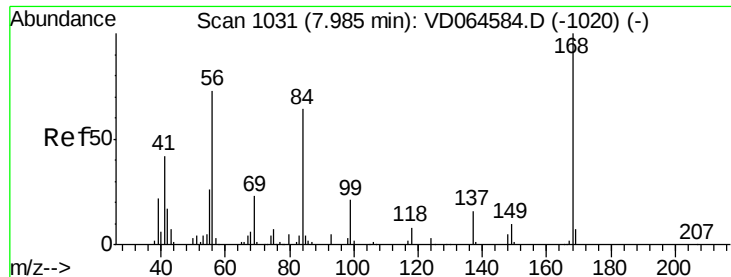
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
Data File : VD064857.D
Acq On : 17 Jan 2020 12:17
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Jan 17 22:50:29 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)
93) 1,2,4-Trichlorobenzene	15.17	180	257750	50.38	ug/l	97
94) Hexachlorobutadiene	15.28	225	159022	49.40	ug/l	99
95) Naphthalene	15.41	128	391912	48.42	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215828	49.42	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

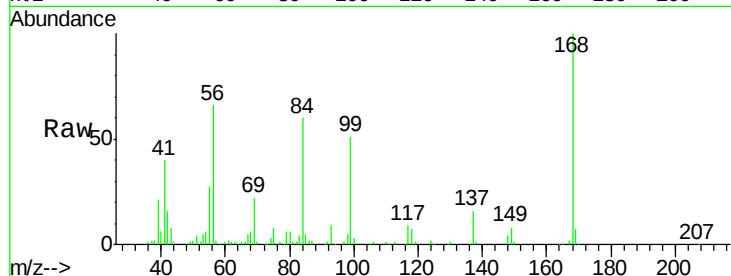
VSTDCCC050

Tgt Ion:168 Resp: 383962

Ion Ratio Lower Upper

168 100

99 50.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

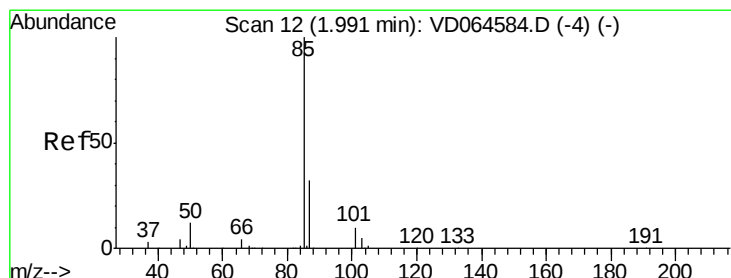
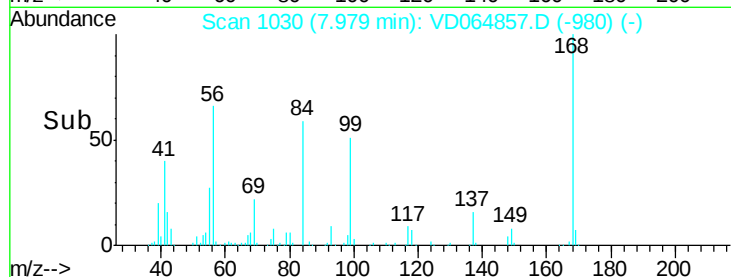
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.59 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064857.D

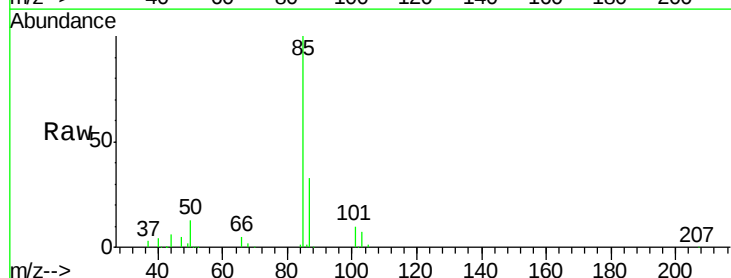
Acq: 17 Jan 2020 12:17

Tgt Ion: 85 Resp: 127093

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

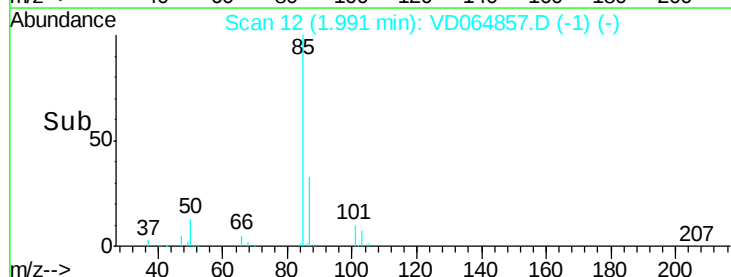
40000

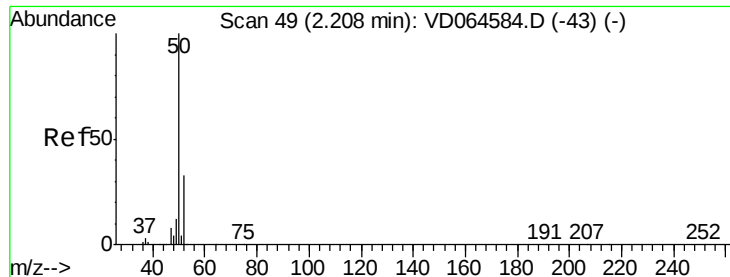
20000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 45.86 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

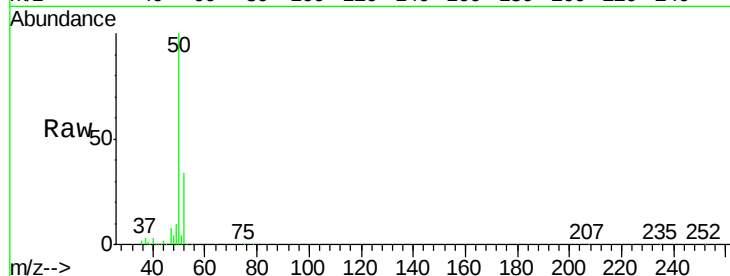
VSTDCCC050

Tgt Ion: 50 Resp: 191374

Ion Ratio Lower Upper

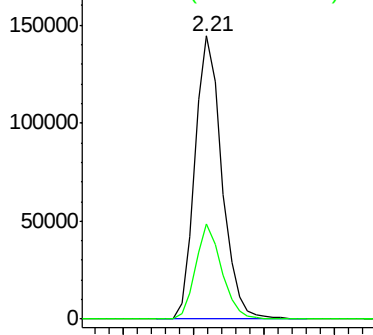
50 100

52 33.8 26.5 39.7

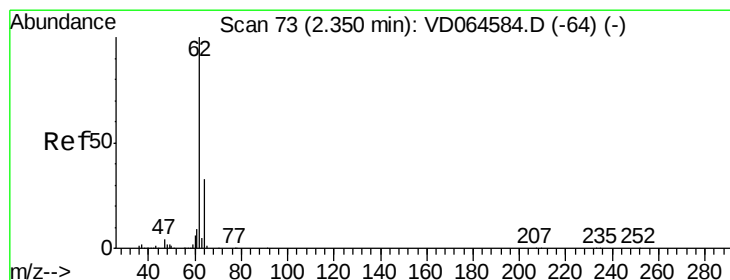
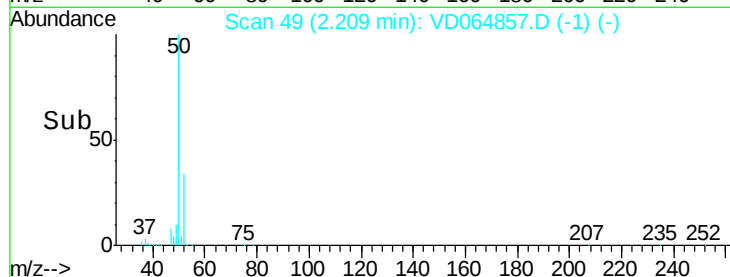


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 43.84 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064857.D

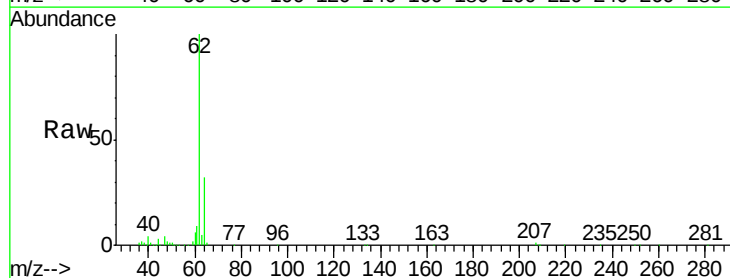
Acq: 17 Jan 2020 12:17

Tgt Ion: 62 Resp: 223057

Ion Ratio Lower Upper

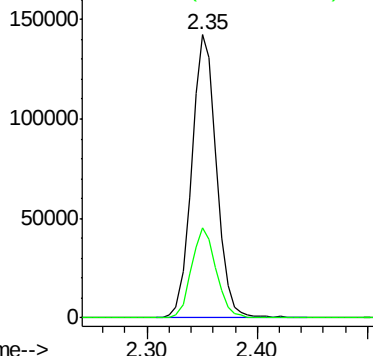
62 100

64 31.8 26.6 40.0

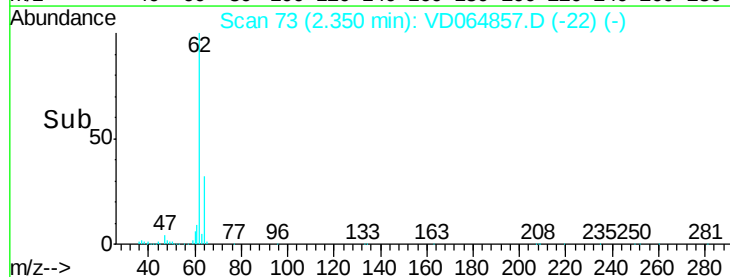


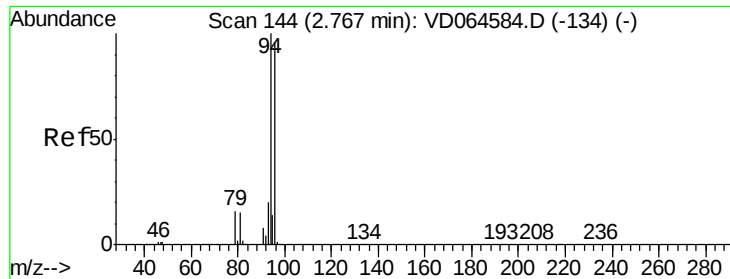
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 39.84 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

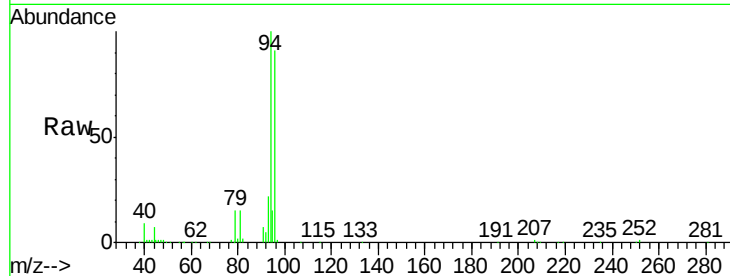
VSTDCCC050

Tgt Ion: 94 Resp: 147404

Ion Ratio Lower Upper

94 100

96 90.1 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

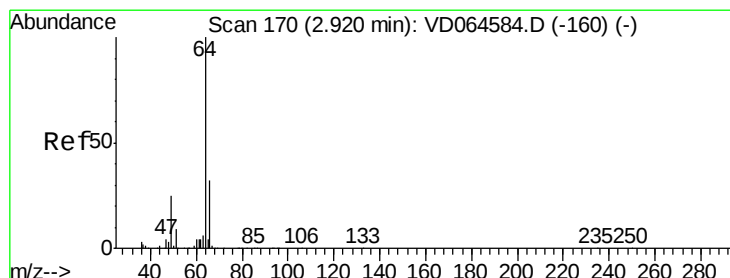
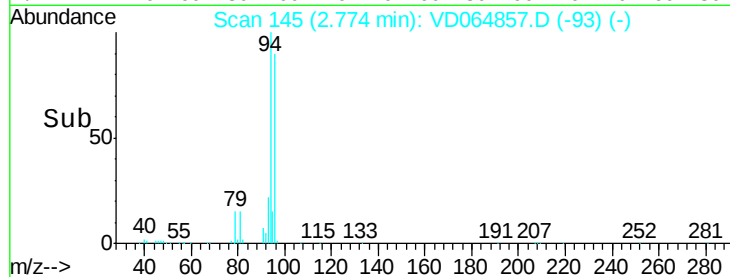
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 45.01 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064857.D

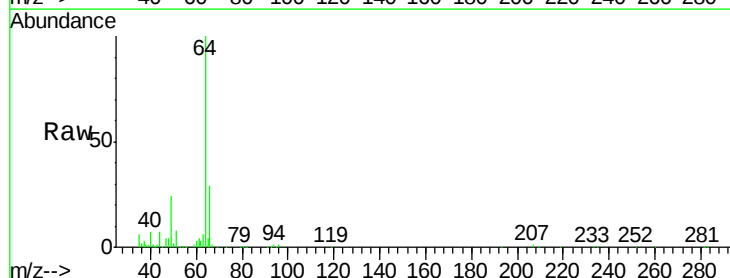
Acq: 17 Jan 2020 12:17

Tgt Ion: 64 Resp: 153461

Ion Ratio Lower Upper

64 100

66 29.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

80000

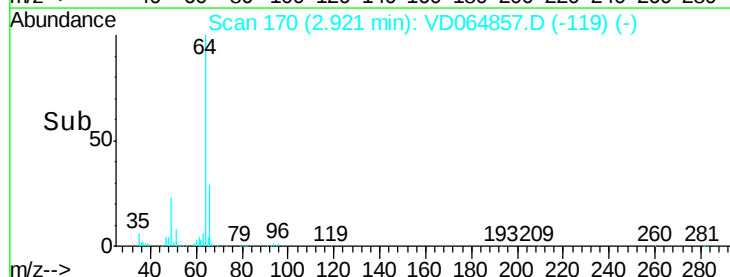
60000

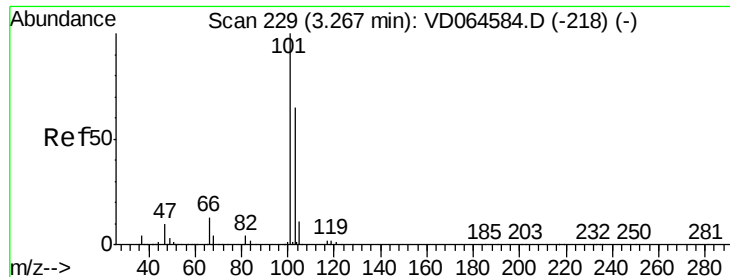
40000

20000

0

Time-->



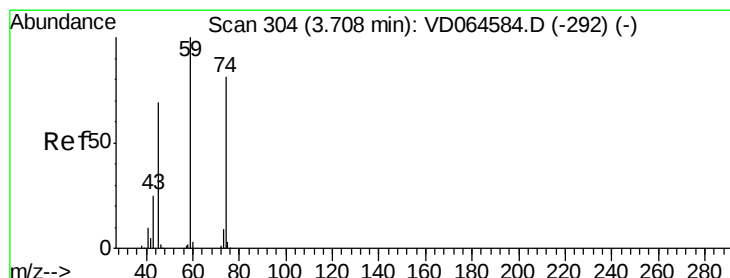
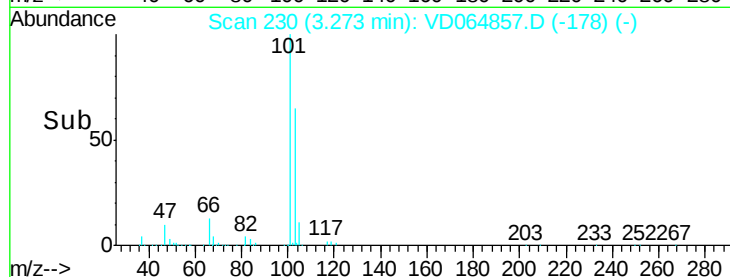
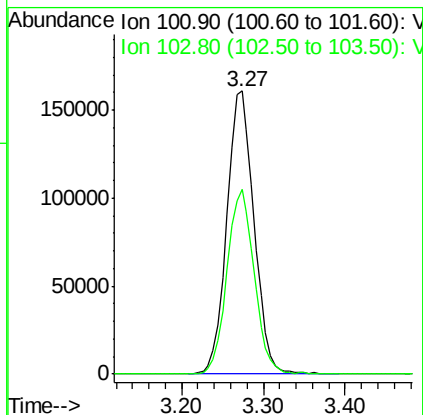
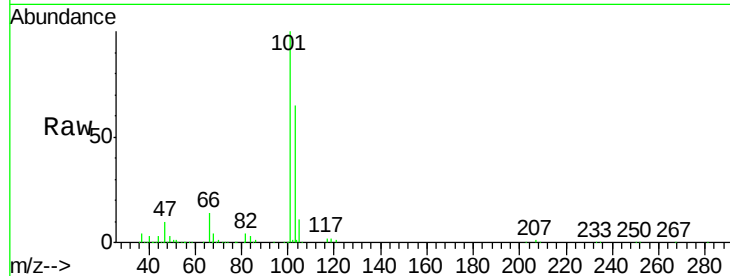


#7

Trichlorofluoromethane
 Concen: 43.49 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

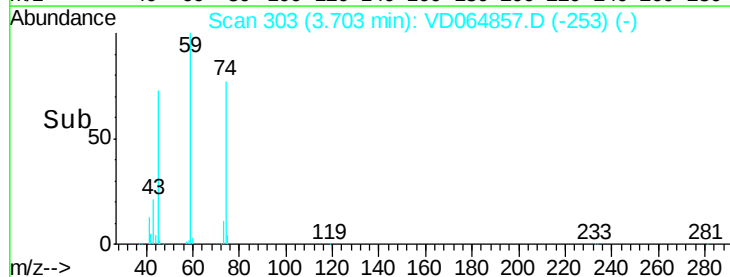
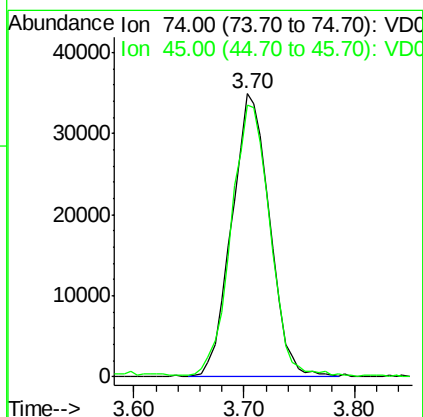
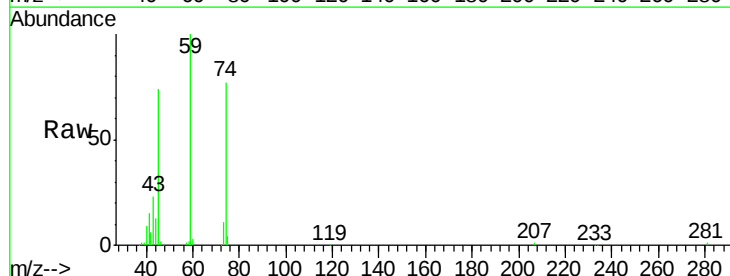
Tgt Ion: 101 Resp: 372602
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4

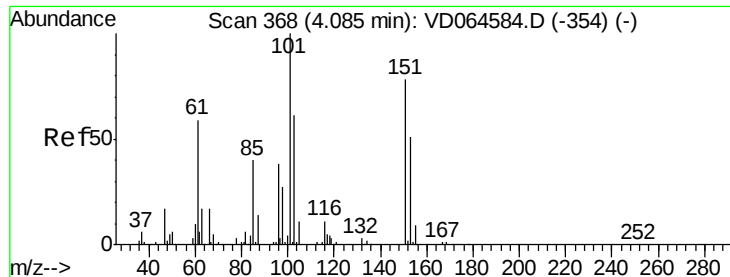


#8

Diethyl Ether
 Concen: 49.38 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 74 Resp: 84012
 Ion Ratio Lower Upper
 74 100
 45 99.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.13 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

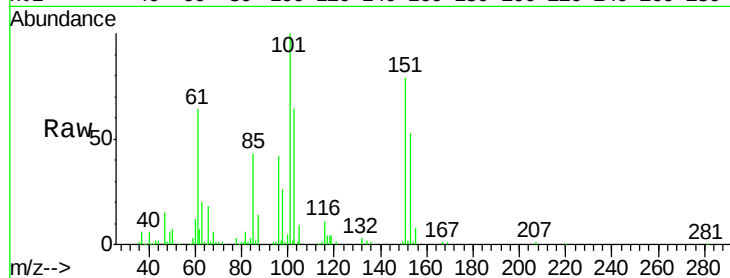
Tgt Ion:101 Resp: 184979

Ion Ratio Lower Upper

101 100

85 43.8 35.2 52.8

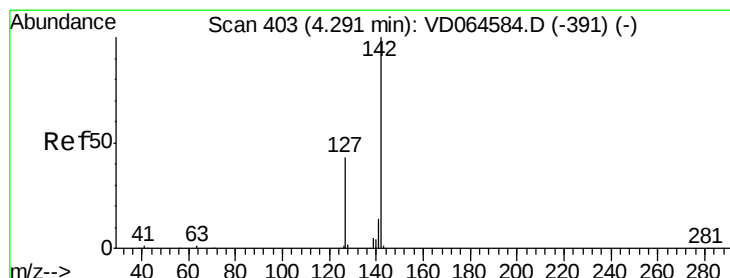
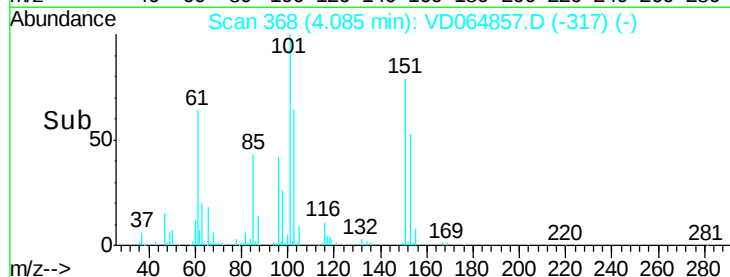
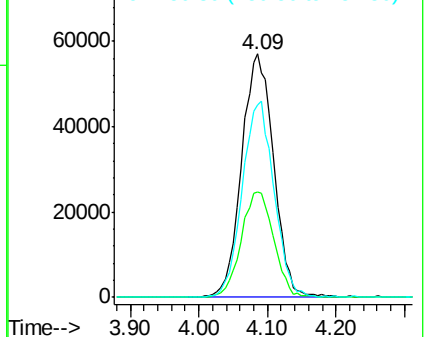
151 79.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.29 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

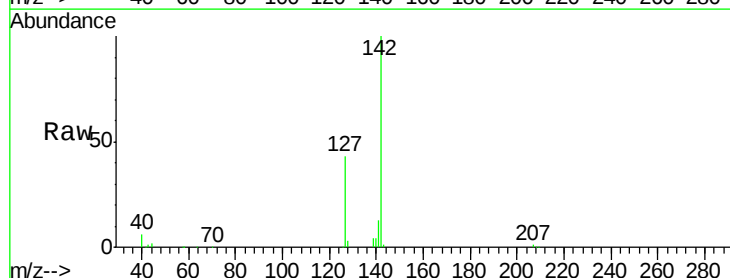
Tgt Ion:142 Resp: 187852

Ion Ratio Lower Upper

142 100

127 43.9 36.2 54.4

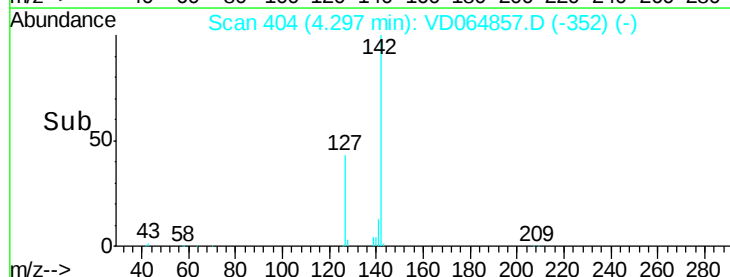
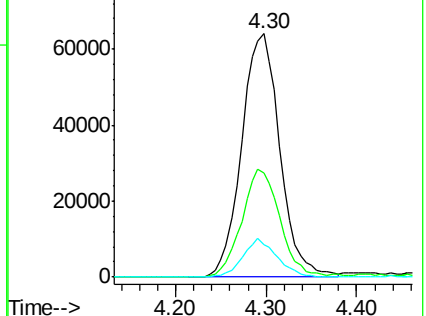
141 14.2 11.8 17.8

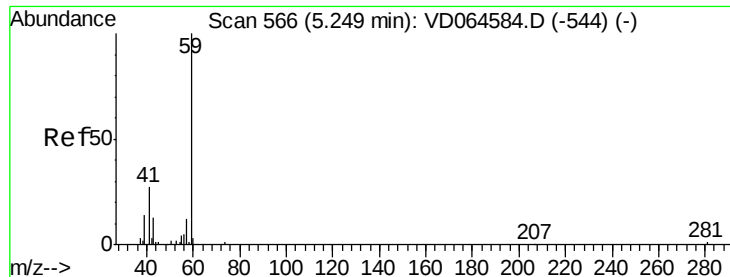


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



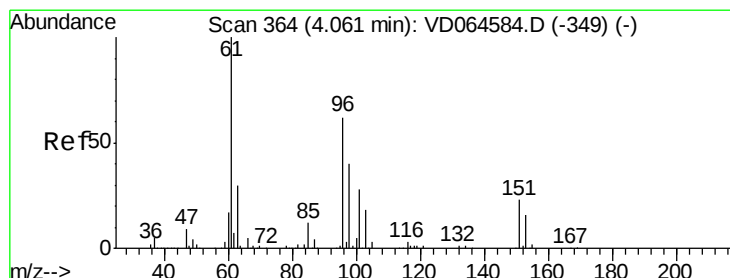
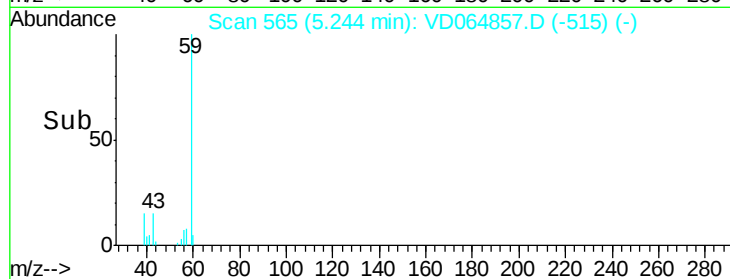
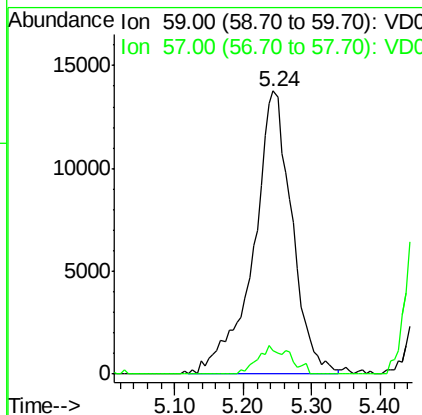
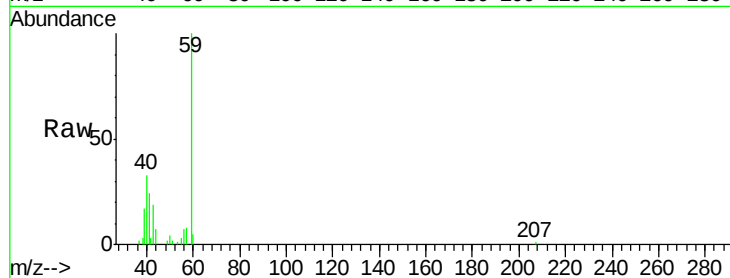


#11

Tert butyl alcohol
 Concen: 277.37 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

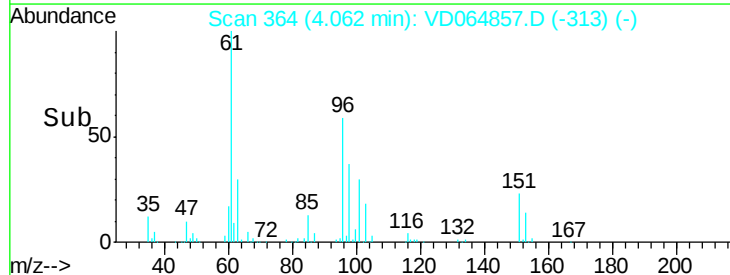
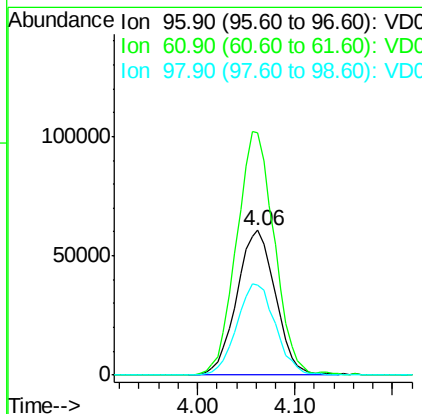
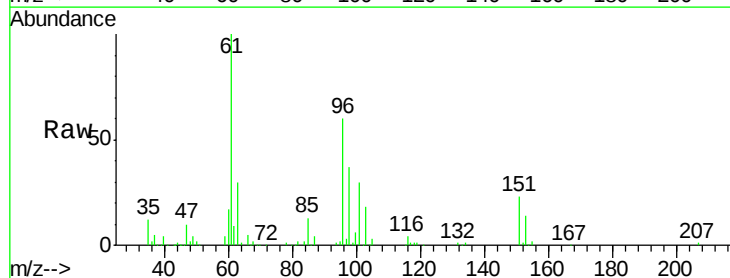
Tgt Ion: 59 Resp: 53821
 Ion Ratio Lower Upper
 59 100
 57 5.6 9.3 13.9#

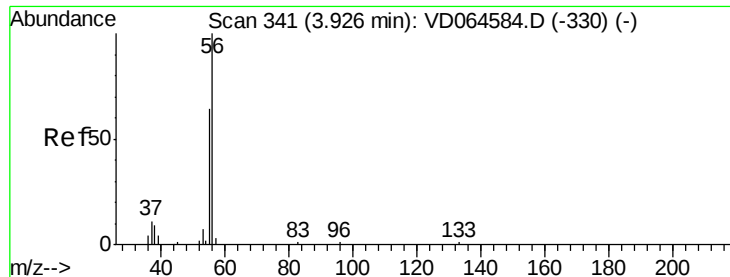


#12

1,1-Dichloroethene
 Concen: 49.57 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 96 Resp: 167439
 Ion Ratio Lower Upper
 96 100
 61 167.5 129.4 194.0
 98 62.3 51.4 77.0





#13

Acrolein

Concen: 119.53 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

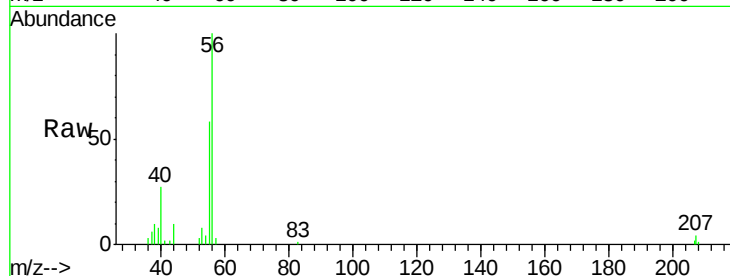
VSTDCCC050

Tgt Ion: 56 Resp: 32324

Ion Ratio Lower Upper

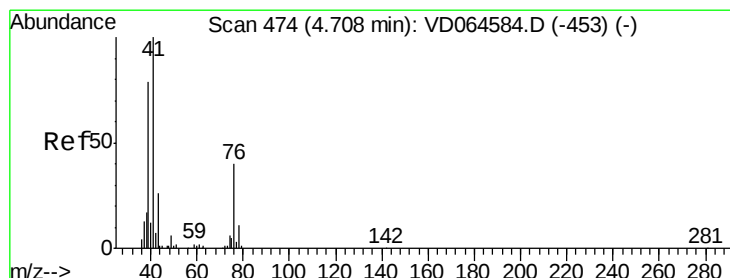
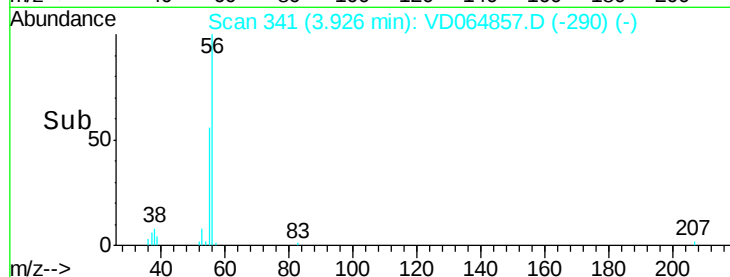
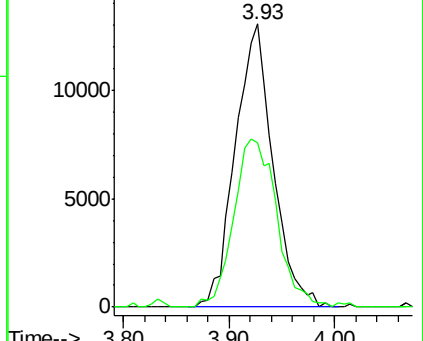
56 100

55 67.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.95 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

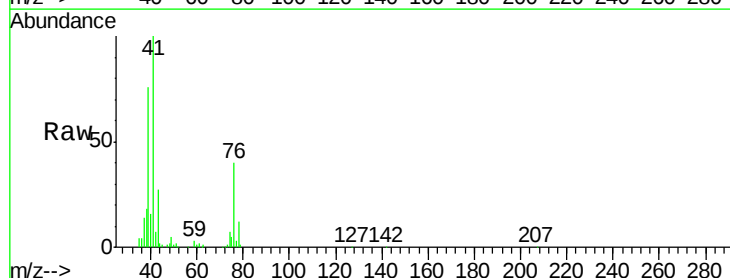
Tgt Ion: 41 Resp: 284147

Ion Ratio Lower Upper

41 100

39 75.1 62.3 93.5

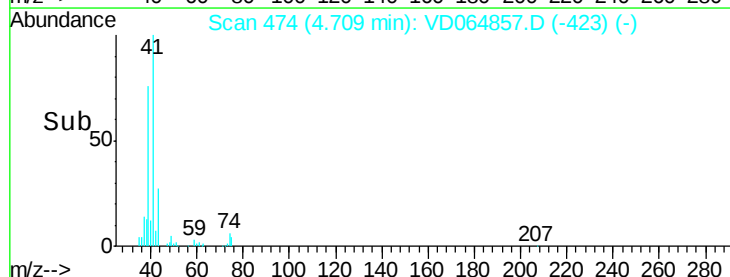
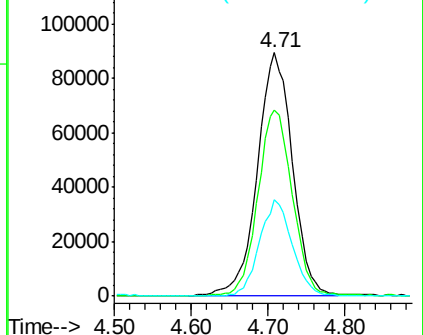
76 36.8 29.7 44.5

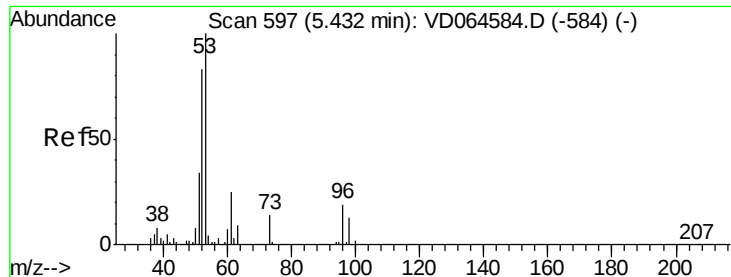


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 256.12 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

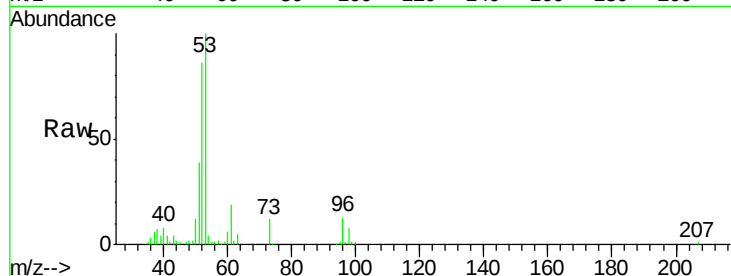
Tgt Ion: 53 Resp: 181500

Ion Ratio Lower Upper

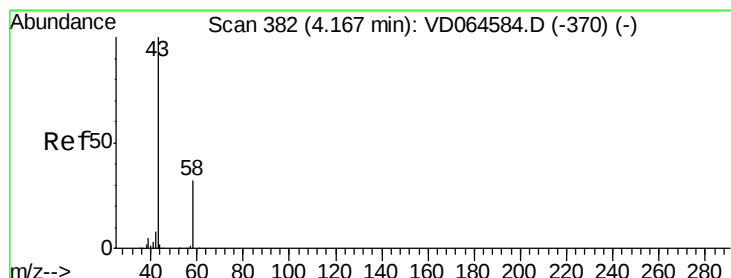
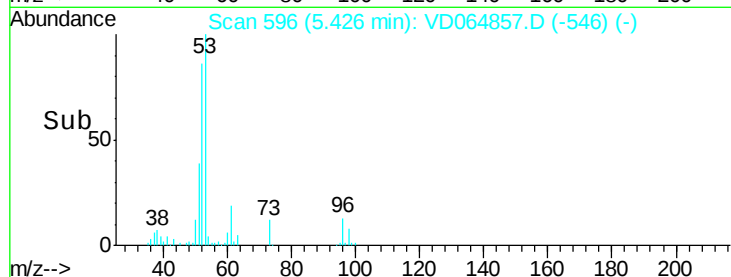
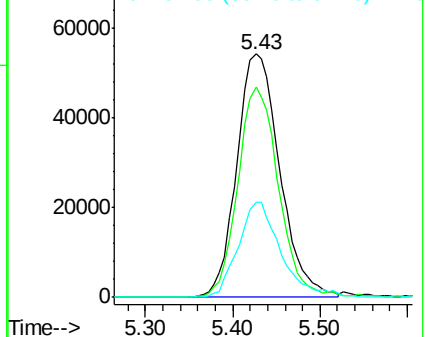
53 100

52 81.6 66.2 99.2

51 39.0 30.1 45.1



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



#16

Acetone

Concen: 314.64 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064857.D

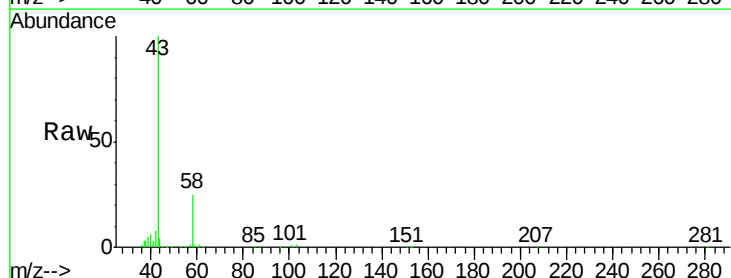
Acq: 17 Jan 2020 12:17

Tgt Ion: 43 Resp: 217930

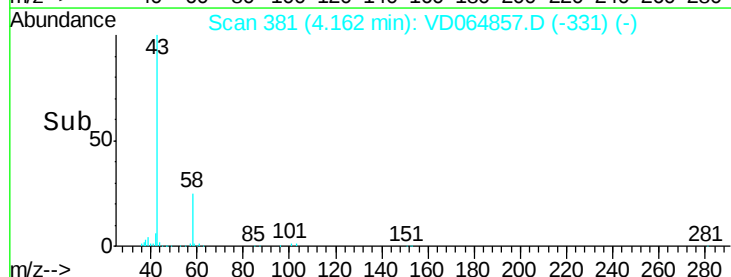
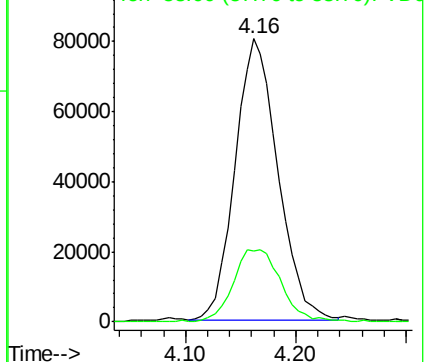
Ion Ratio Lower Upper

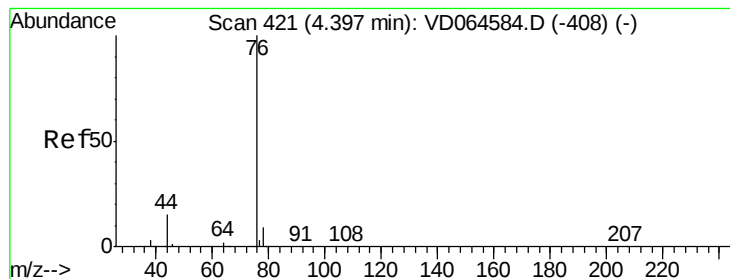
43 100

58 25.3 25.8 38.6#



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





#17

Carbon Disulfide

Concen: 44.05 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

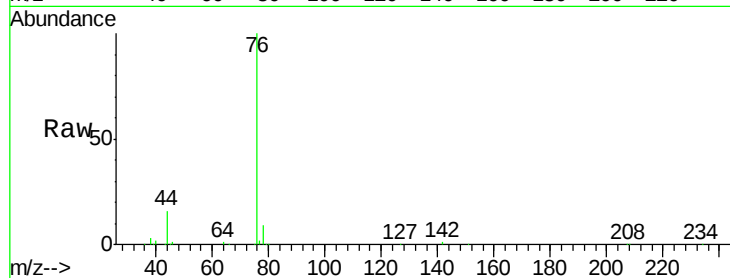
VSTDCCC050

Tgt Ion: 76 Resp: 481161

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

150000

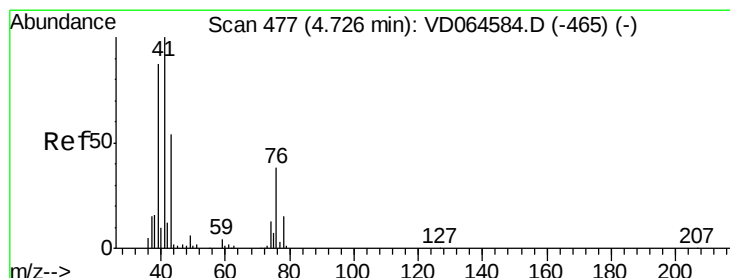
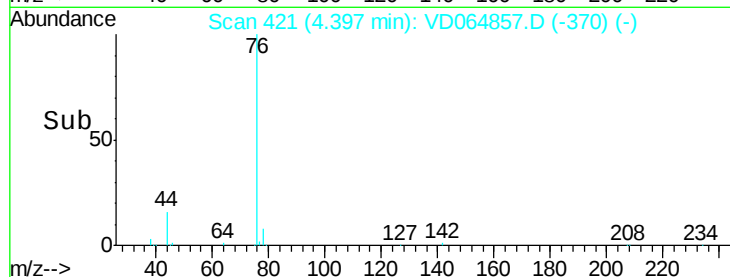
100000

50000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 50.14 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064857.D

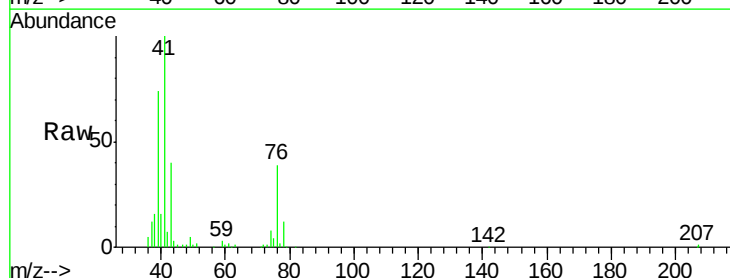
Acq: 17 Jan 2020 12:17

Tgt Ion: 43 Resp: 95578

Ion Ratio Lower Upper

43 100

74 22.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

30000

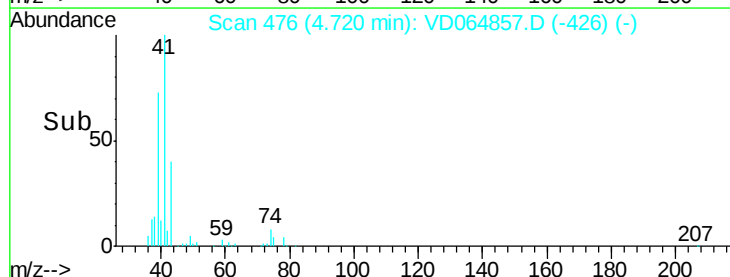
20000

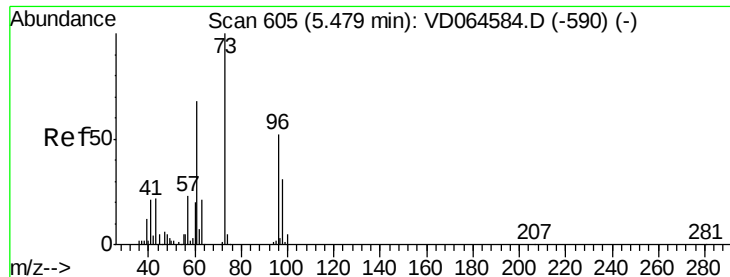
10000

0

Time-->

4.60 4.70 4.80 4.90

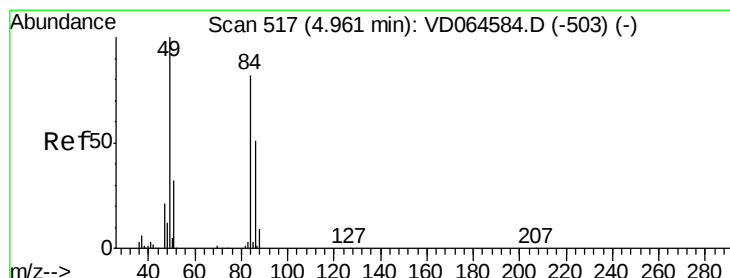
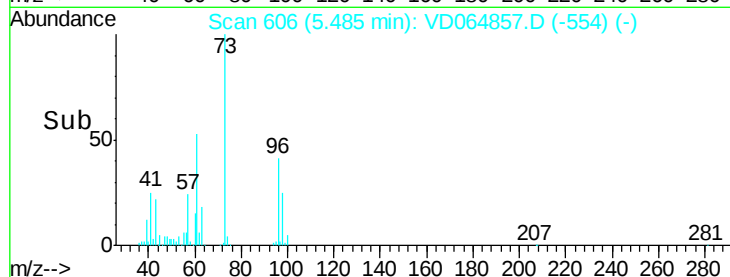
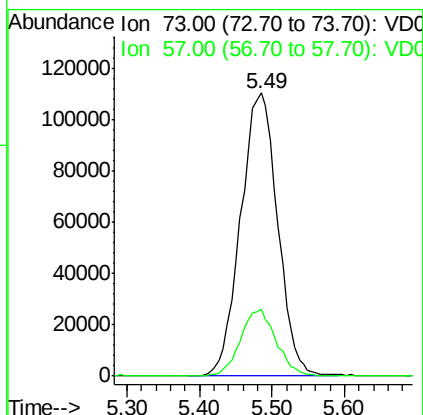
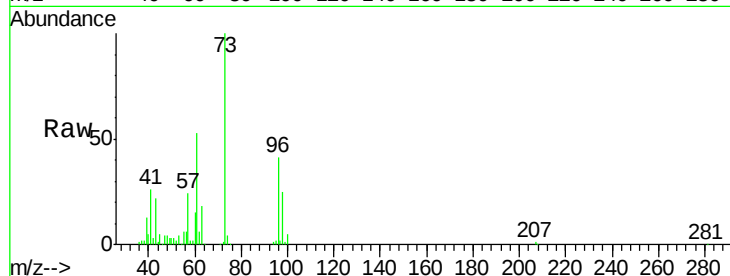




#19
Methyl tert-butyl Ether
Concen: 52.16 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

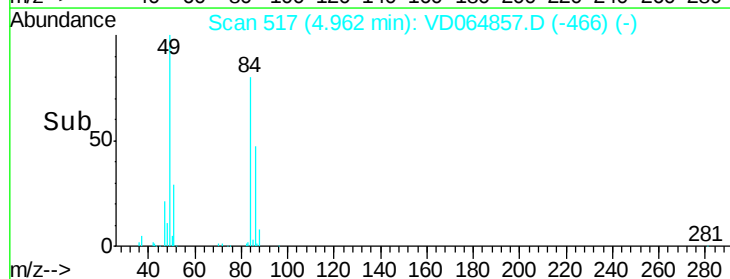
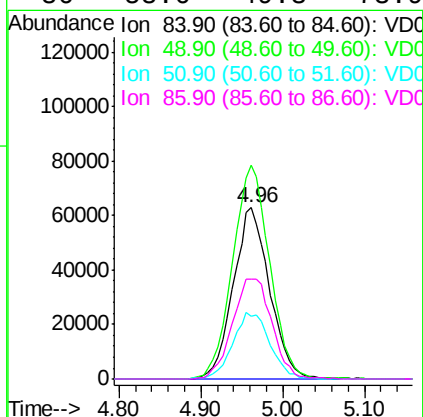
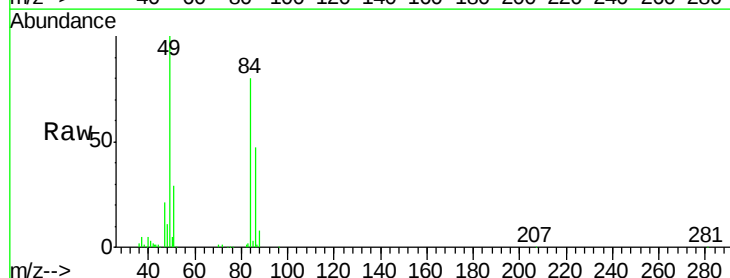
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

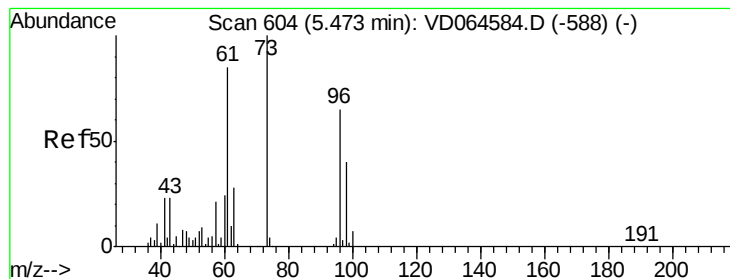
Tgt Ion: 73 Resp: 391339
Ion Ratio Lower Upper
73 100
57 23.6 18.6 27.8



#20
Methylene Chloride
Concen: 56.70 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 84 Resp: 194065
Ion Ratio Lower Upper
84 100
49 124.9 97.2 145.8
51 36.6 31.4 47.0
86 58.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.99 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

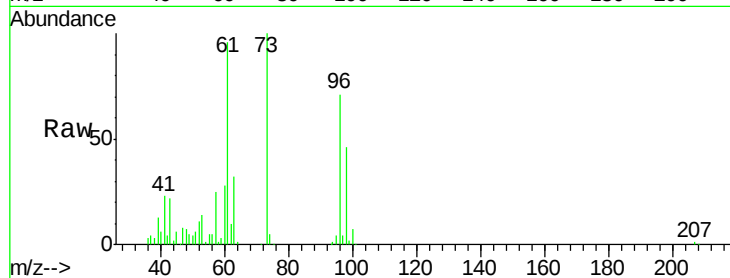
Tgt Ion: 96 Resp: 192316

Ion Ratio Lower Upper

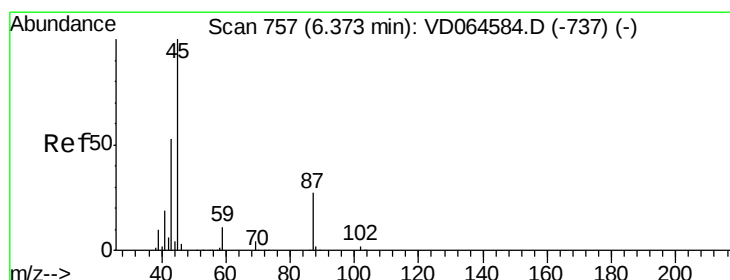
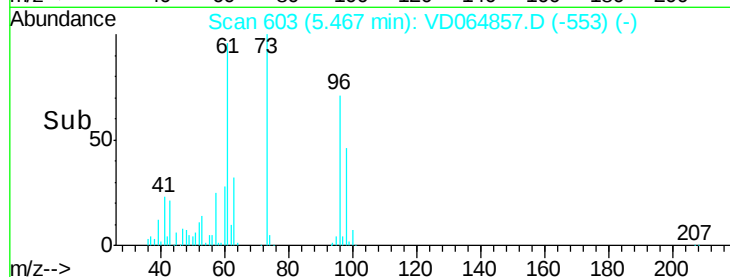
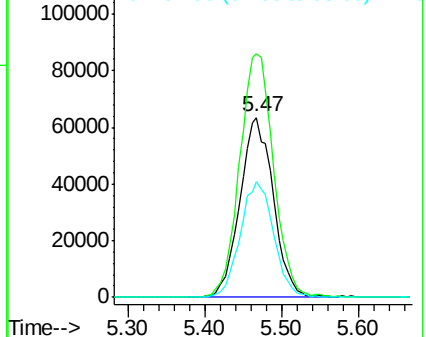
96 100

61 135.5 104.7 157.1

98 64.0 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: 54.22 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Tgt Ion: 45 Resp: 569538

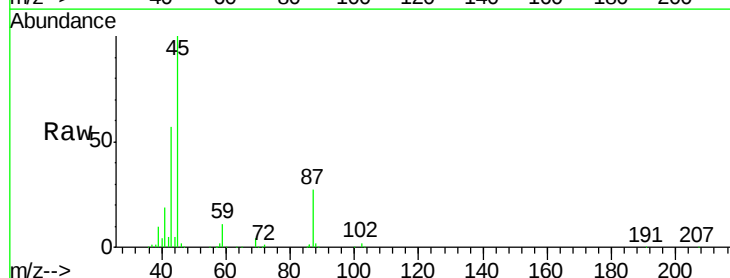
Ion Ratio Lower Upper

45 100

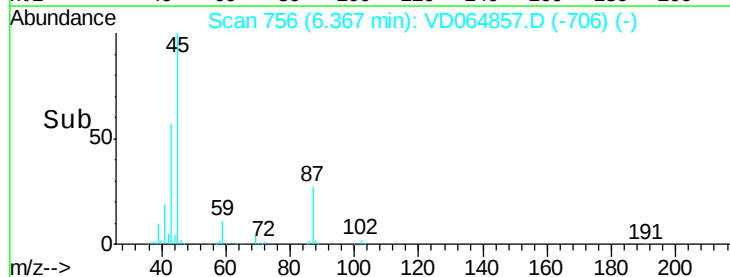
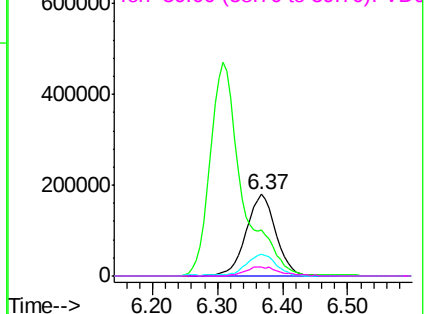
43 55.8 43.2 64.8

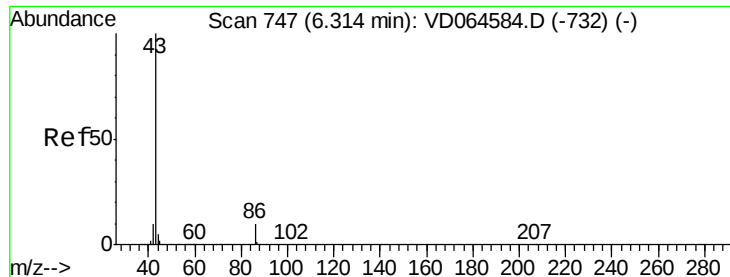
87 27.0 21.9 32.9

59 10.7 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: 267.74 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

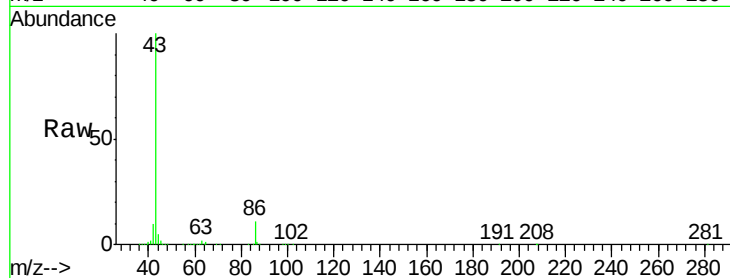
VSTDCCC050

Tgt Ion: 43 Resp: 1595516

Ion Ratio Lower Upper

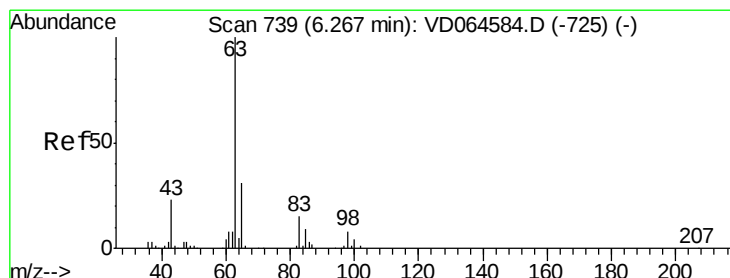
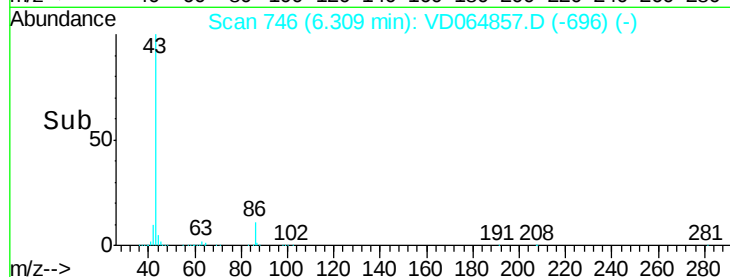
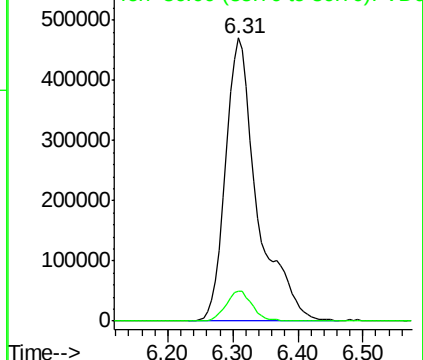
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.72 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

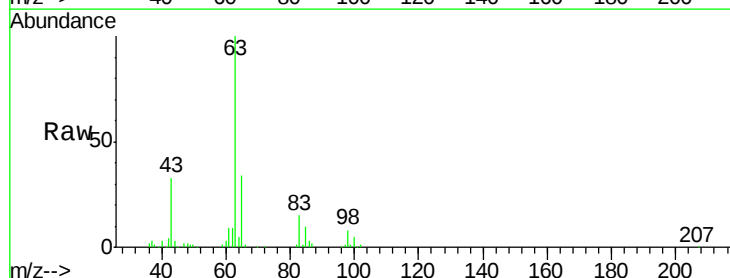
Tgt Ion: 63 Resp: 345121

Ion Ratio Lower Upper

63 100

98 8.3 4.1 12.3

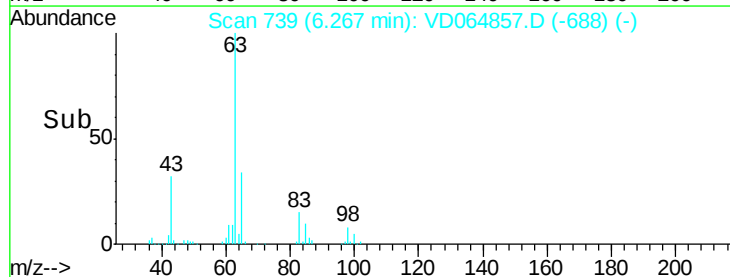
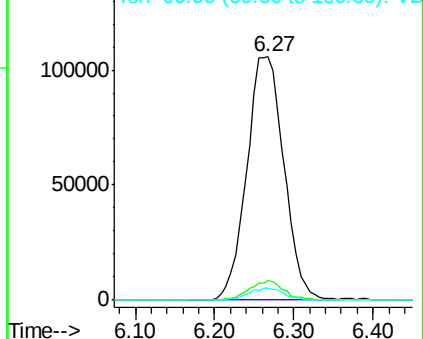
100 4.7 2.2 6.6

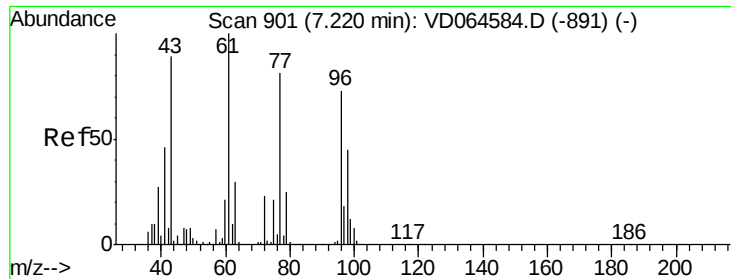


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 270.83 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

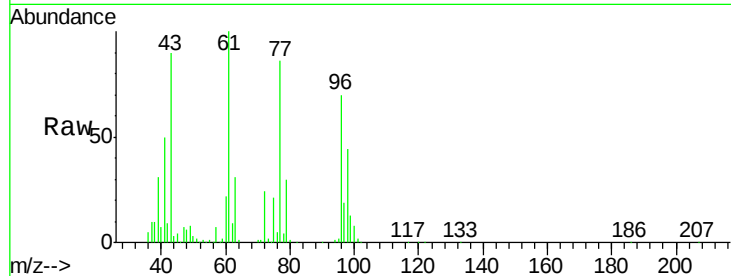
VSTDCCC050

Tgt Ion: 43 Resp: 252052

Ion Ratio Lower Upper

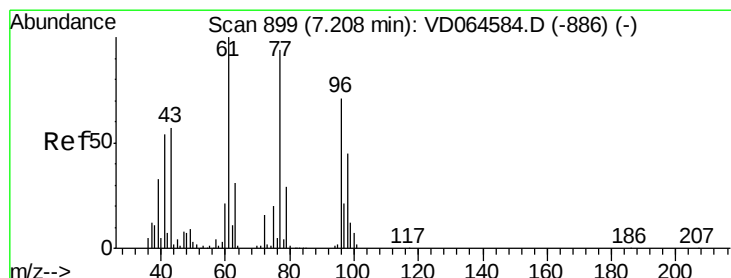
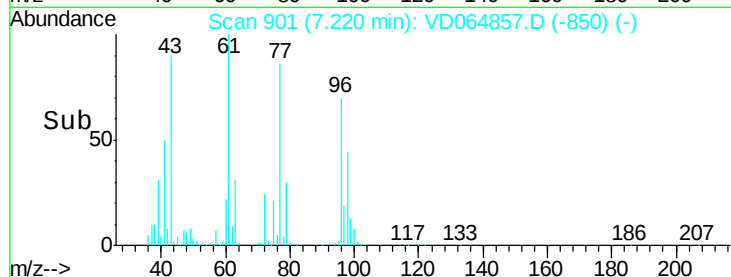
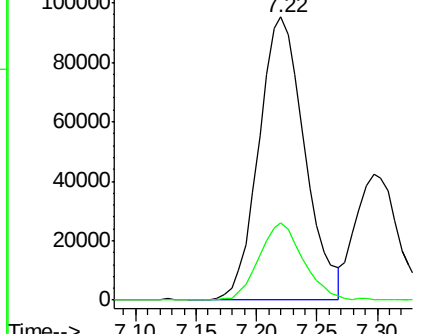
43 100

72 27.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.48 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064857.D

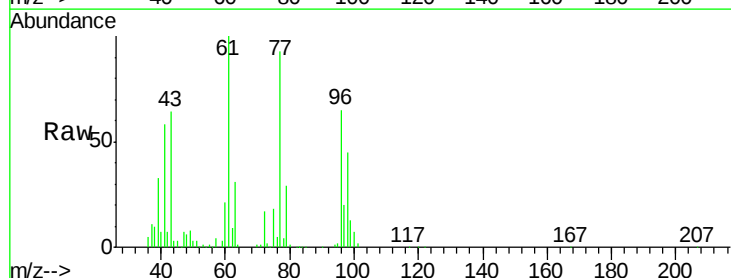
Acq: 17 Jan 2020 12:17

Tgt Ion: 77 Resp: 319438

Ion Ratio Lower Upper

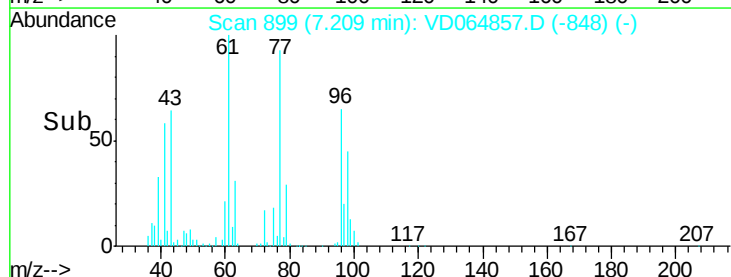
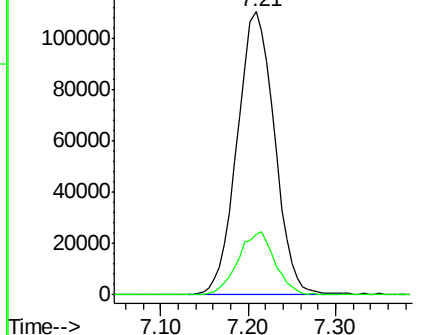
77 100

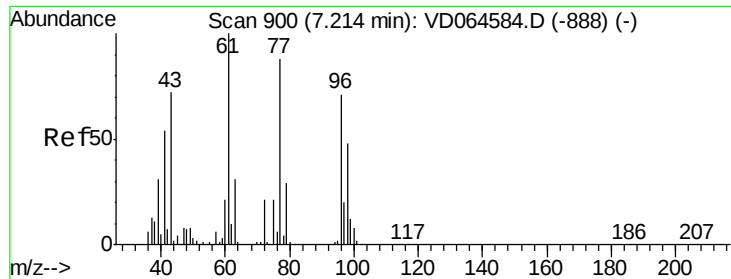
97 22.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

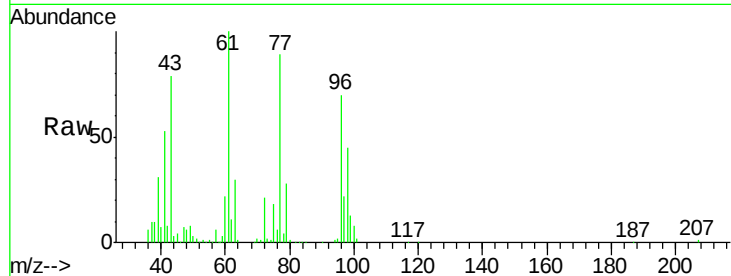




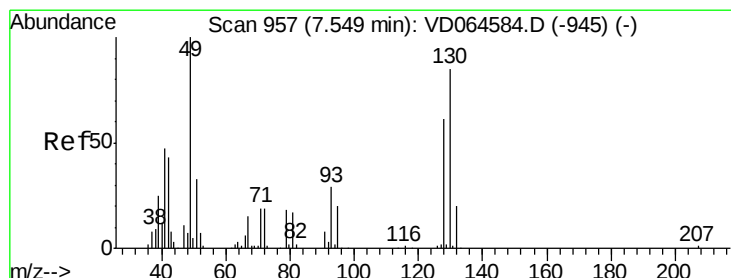
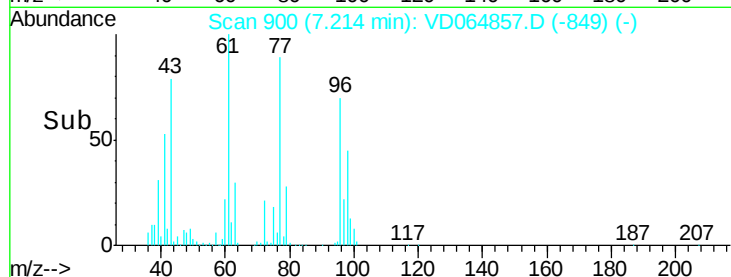
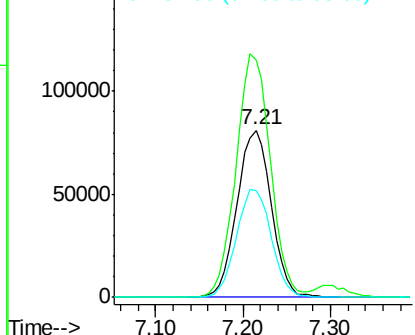
#27
 cis-1,2-Dichloroethene
 Concen: 51.95 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 215686
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 282.6
 98 65.6 0.0 130.8

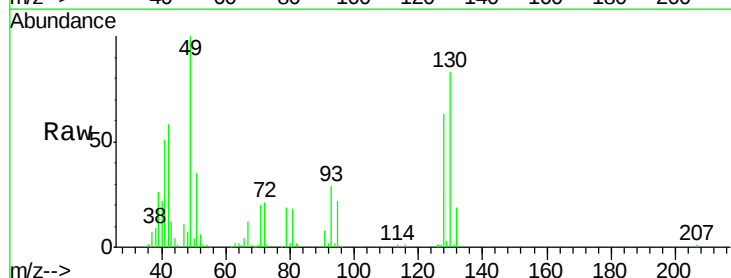


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

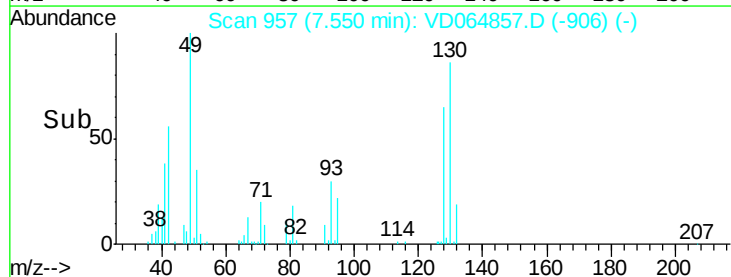
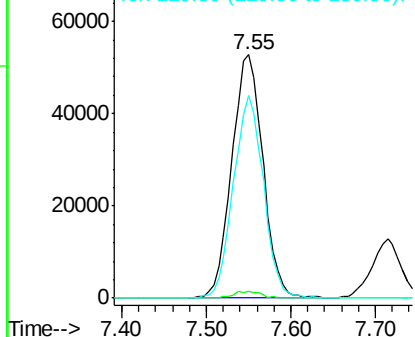


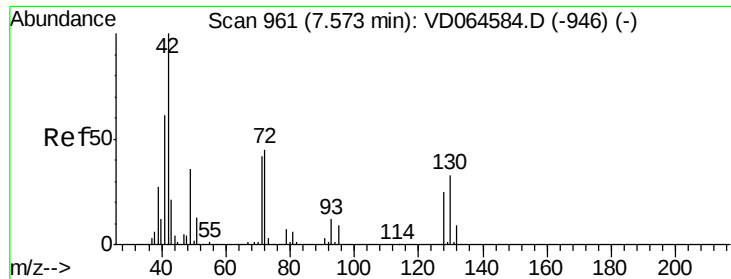
#28
 Bromochloromethane
 Concen: 54.90 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 49 Resp: 134579
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 80.1 65.0 97.6



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

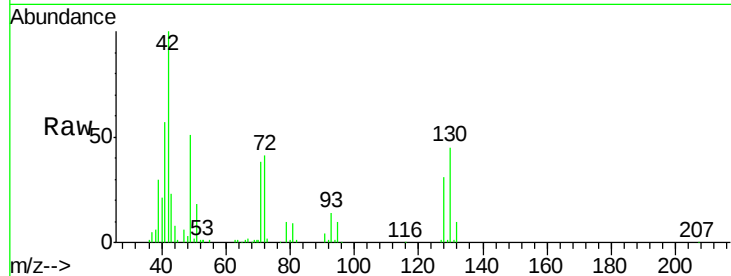




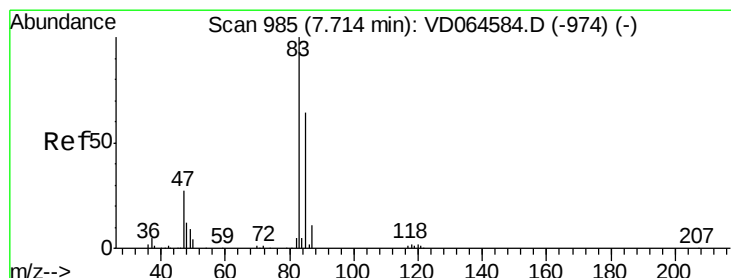
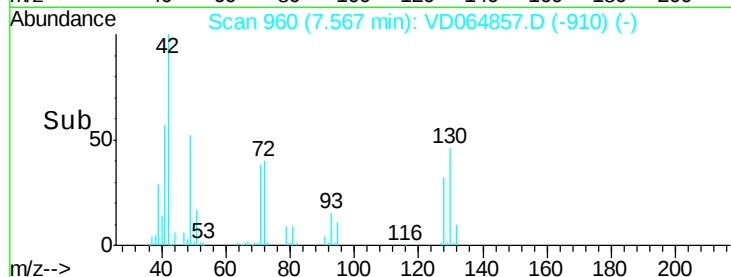
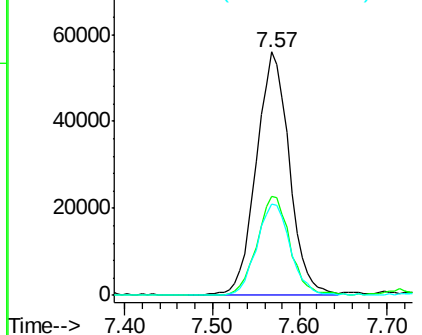
#29
Tetrahydrofuran
Concen: 251.80 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 145728
Ion Ratio Lower Upper
42 100
72 40.7 35.0 52.4
71 38.0 32.9 49.3

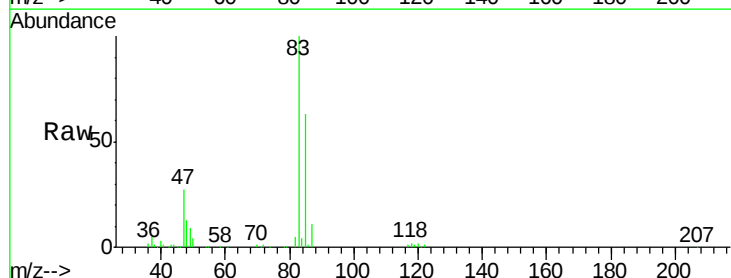


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

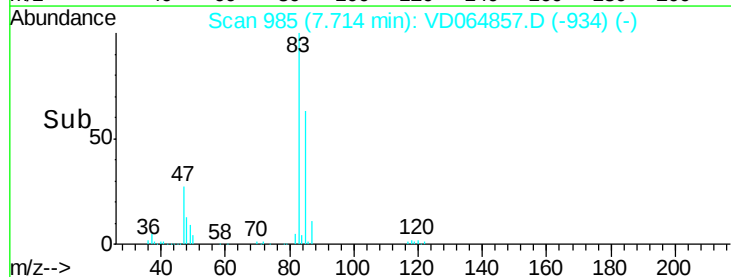
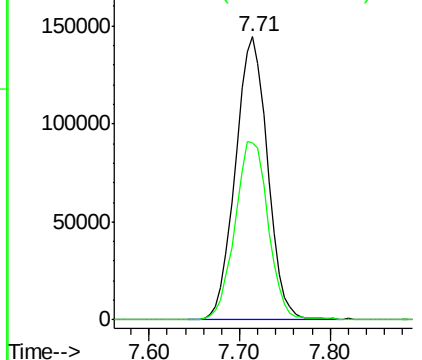


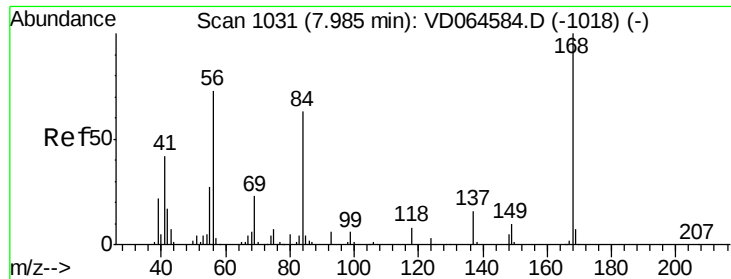
#30
Chloroform
Concen: 53.85 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 83 Resp: 356330
Ion Ratio Lower Upper
83 100
85 62.8 51.1 76.7



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

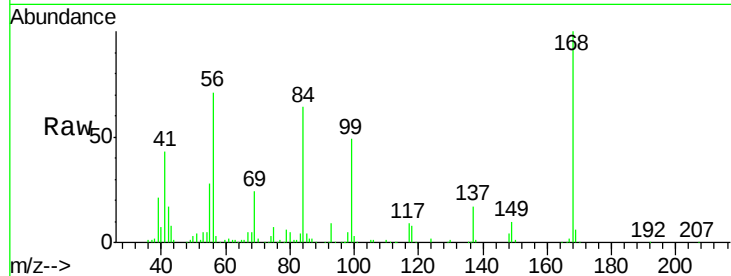




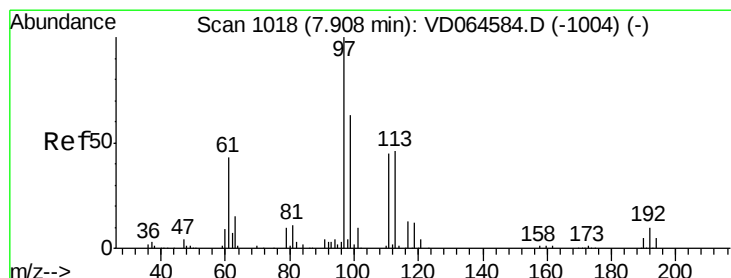
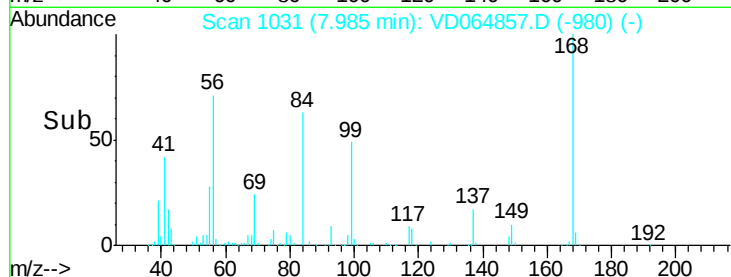
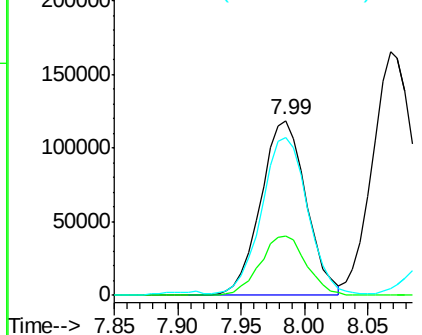
#31
Cyclohexane
Concen: 46.89 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 296029
Ion Ratio Lower Upper
56 100
69 34.2 24.7 37.1
84 88.8 69.4 104.2

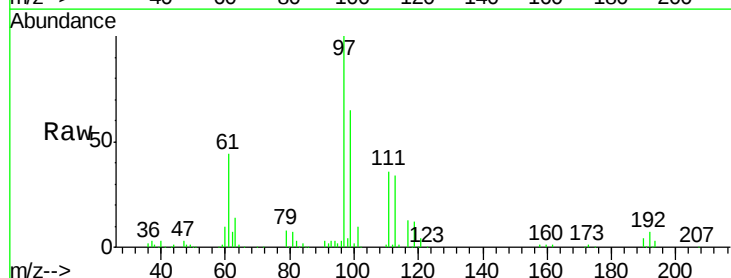


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

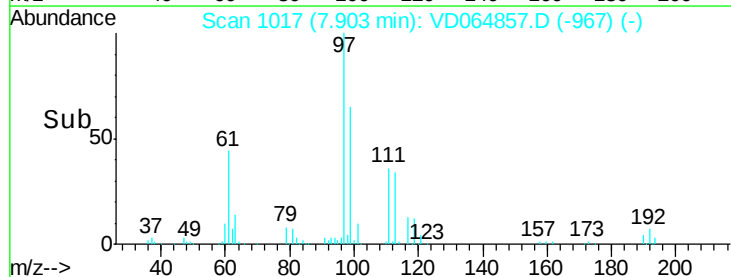
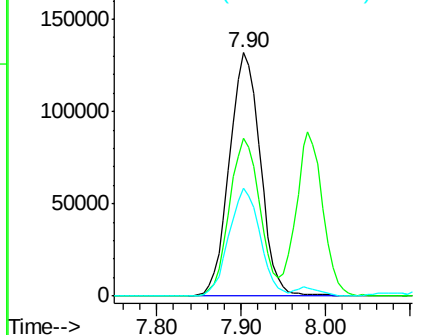


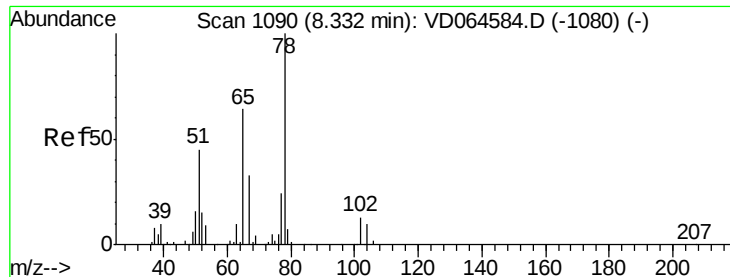
#32
1,1,1-Trichloroethane
Concen: 53.62 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 97 Resp: 333217
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.6
61 44.5 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

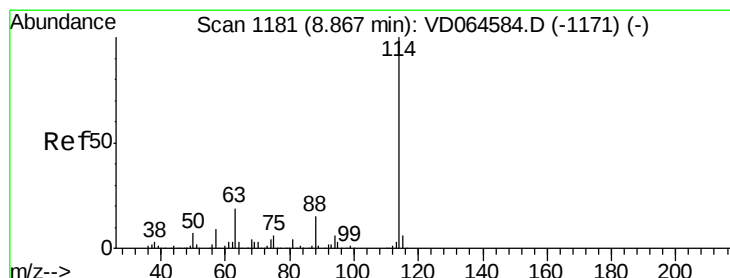
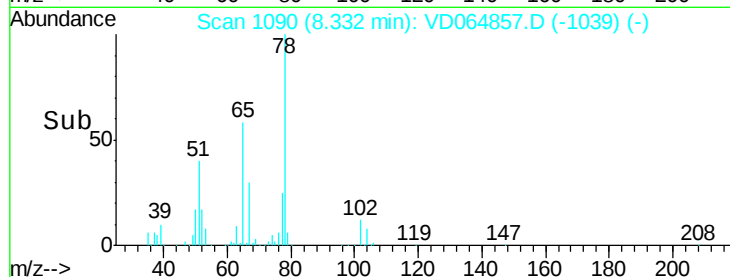
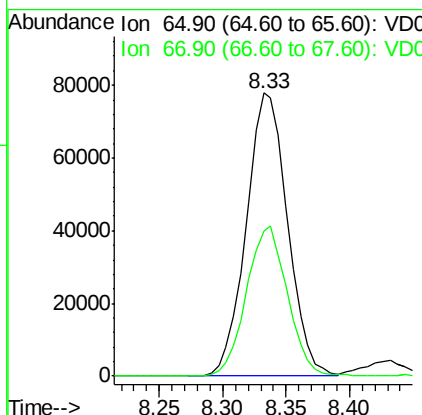
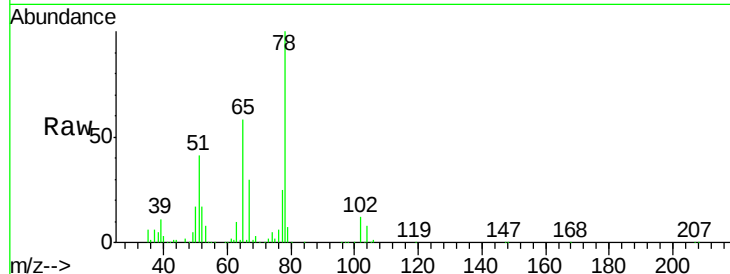




#33
 1,2-Dichloroethane-d4
 Concen: 52.14 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

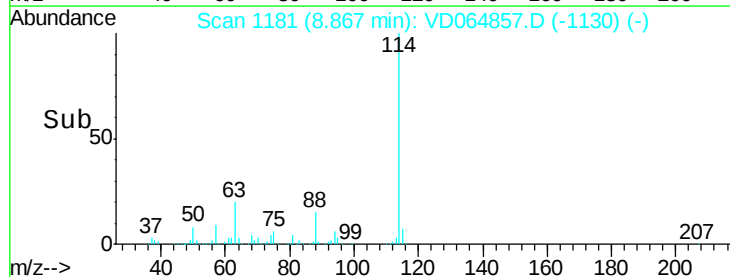
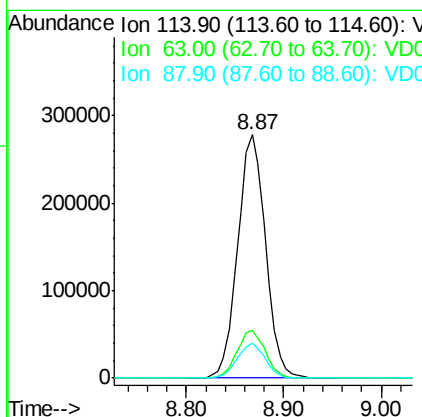
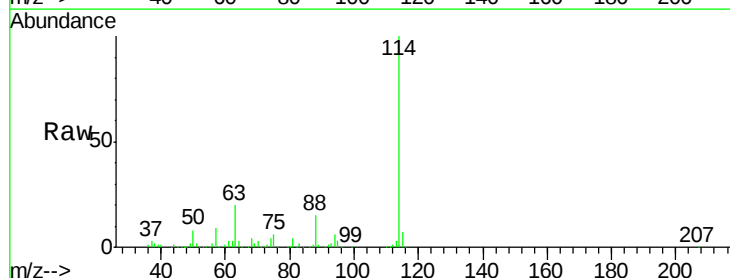
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

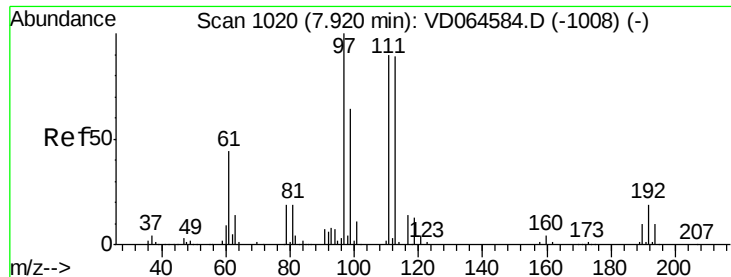
Tgt Ion: 65 Resp: 176544
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 114 Resp: 553117
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.0
 88 14.6 0.0 29.2

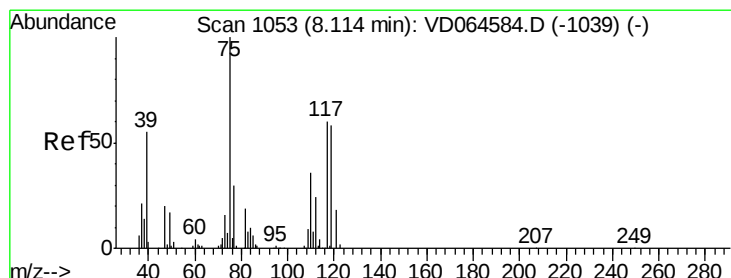
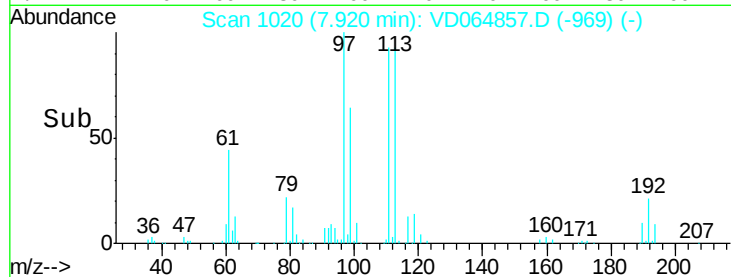
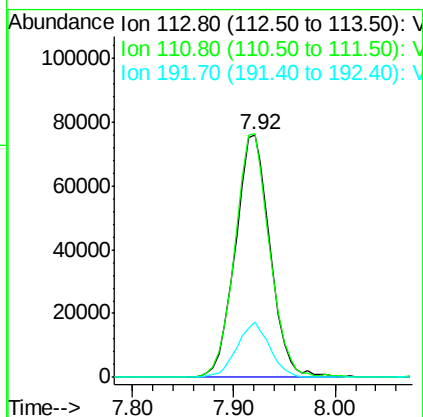
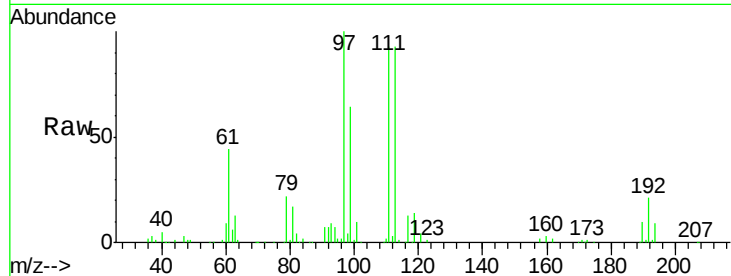




#35
 Dibromofluoromethane
 Concen: 52.96 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

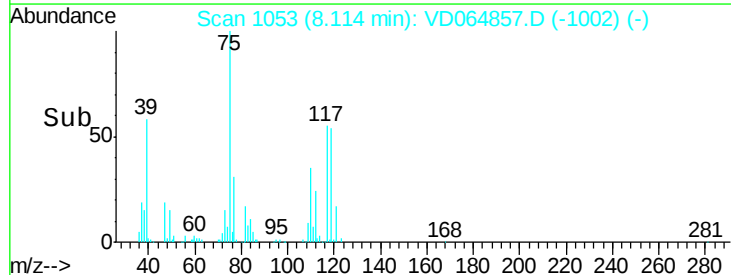
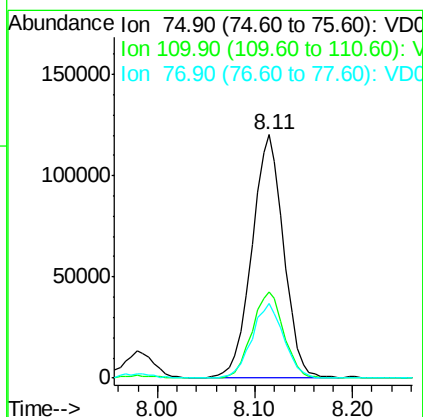
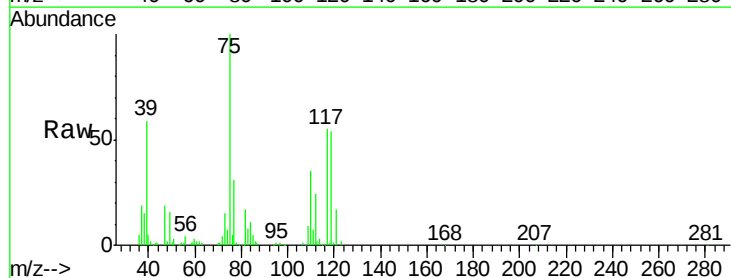
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

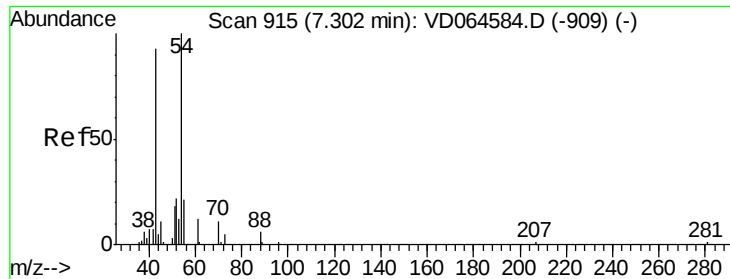
Tgt Ion: 113 Resp: 179707
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.6 121.0
 192 21.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 51.20 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 75 Resp: 272550
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.1 54.1
 77 31.2 24.2 36.4

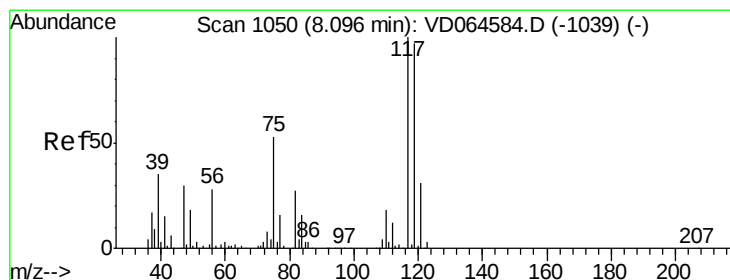
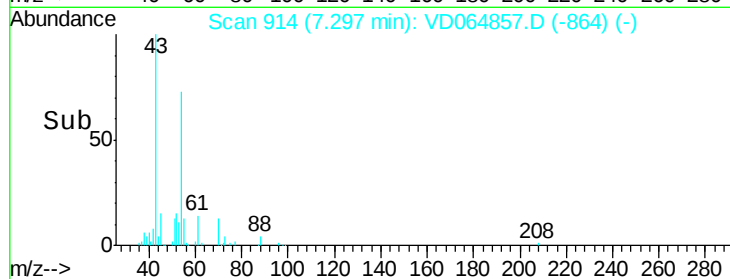
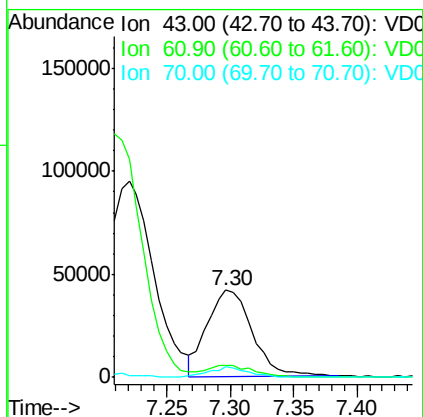
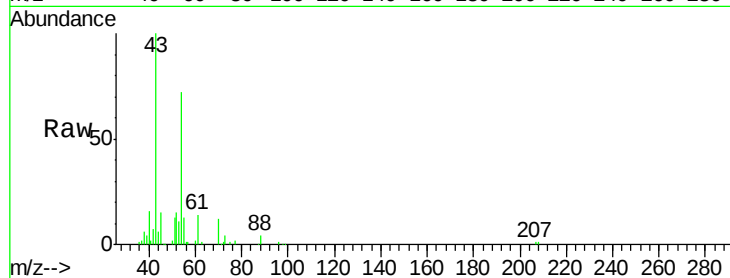




#37
Ethyl Acetate
Concen: 49.32 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

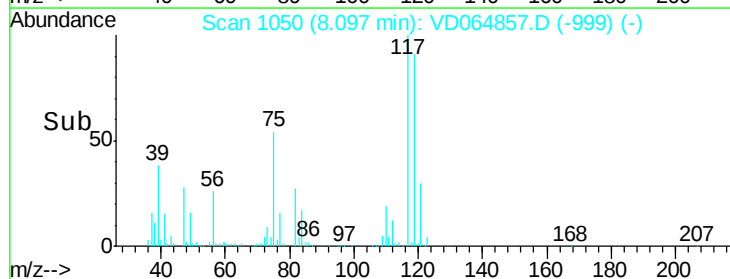
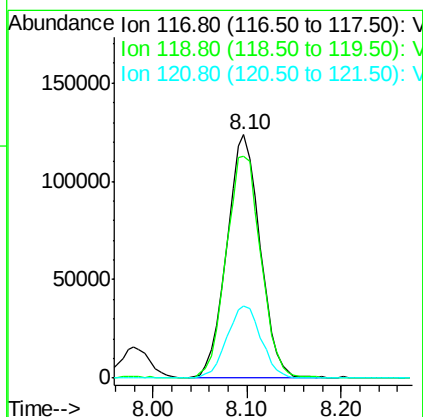
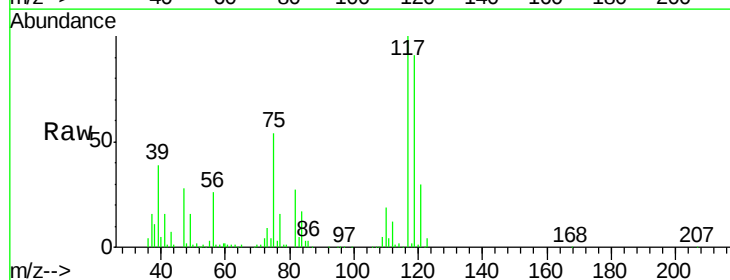
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

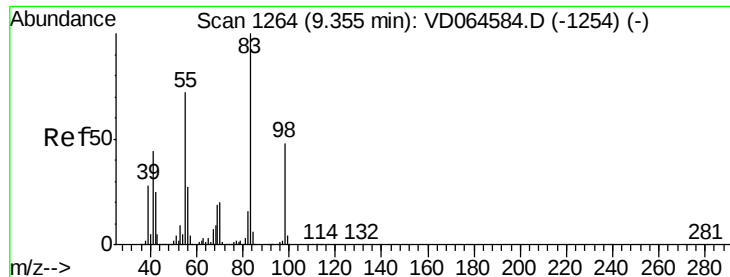
Tgt Ion: 43 Resp: 103150
Ion Ratio Lower Upper
43 100
61 14.7 10.3 15.5
70 10.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 53.83 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 117 Resp: 305547
Ion Ratio Lower Upper
117 100
119 90.9 77.3 115.9
121 29.6 25.0 37.6

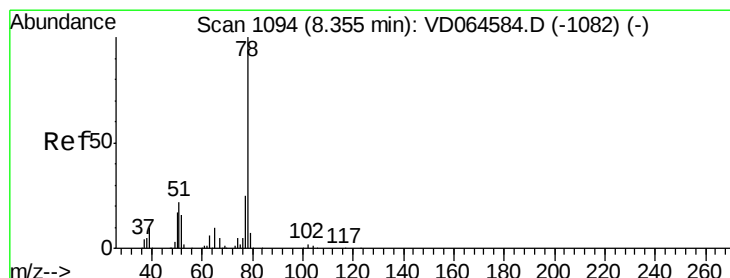
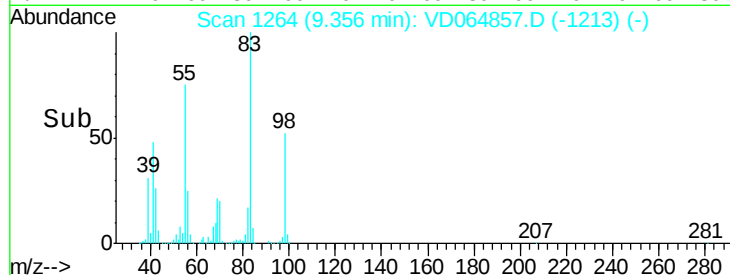
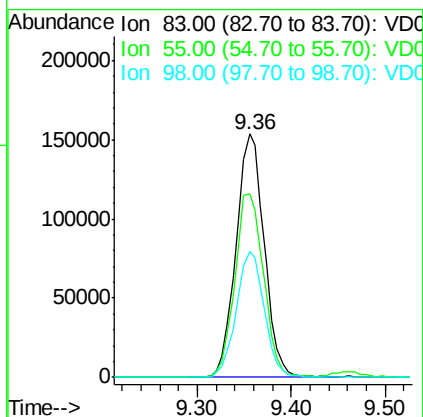
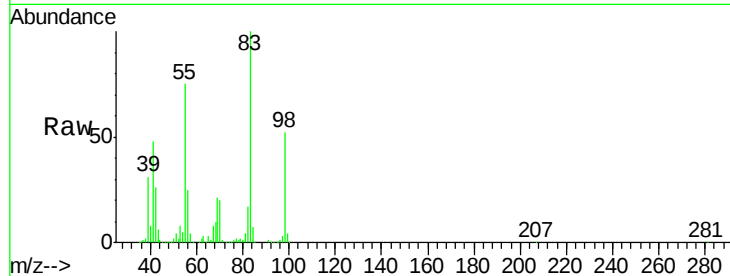




#39
Methylcyclohexane
Concen: 49.52 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

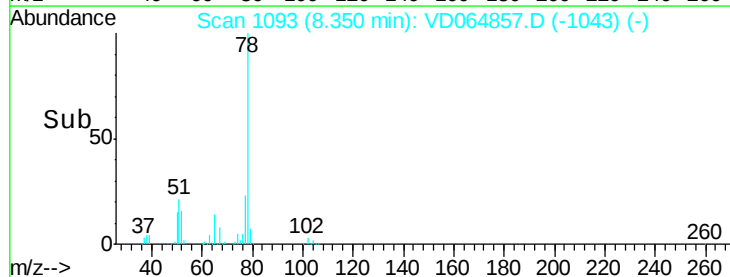
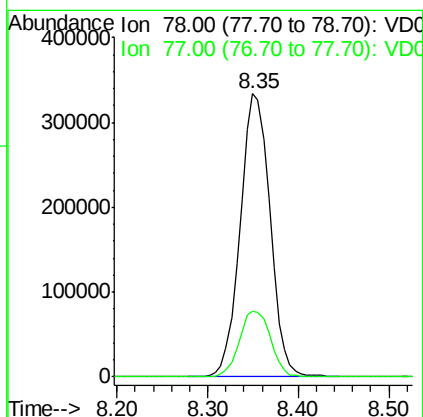
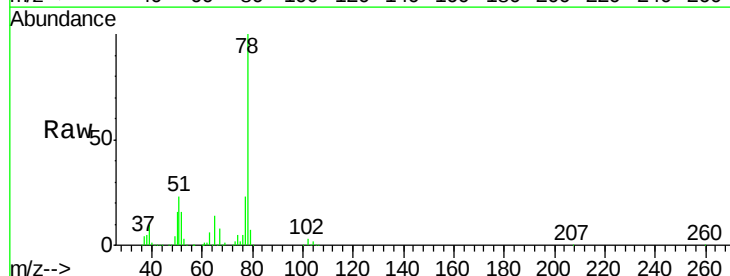
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

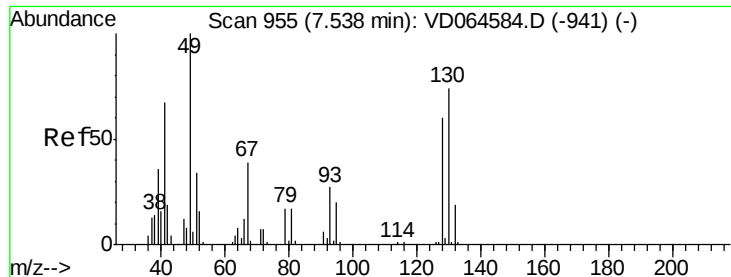
Tgt Ion: 83 Resp: 319285
Ion Ratio Lower Upper
83 100
55 75.2 57.8 86.6
98 51.8 38.7 58.1



#40
Benzene
Concen: 52.63 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 78 Resp: 764847
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9





#41

Methacrylonitrile

Concen: 52.94 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 64238

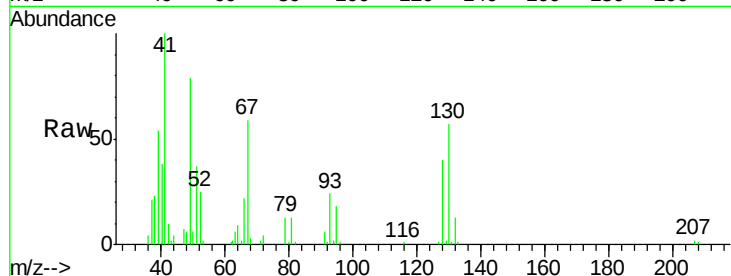
Ion Ratio Lower Upper

41 100

39 55.9 46.7 70.1

67 67.3 52.5 78.7

52 30.2 24.1 36.1

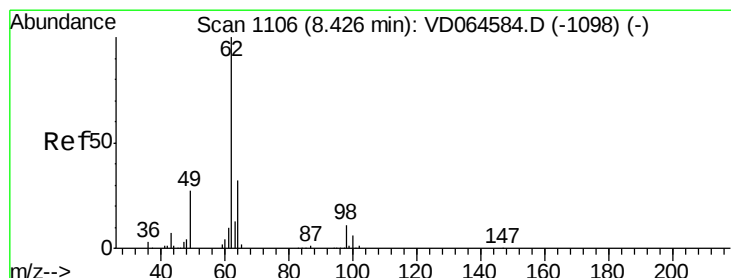
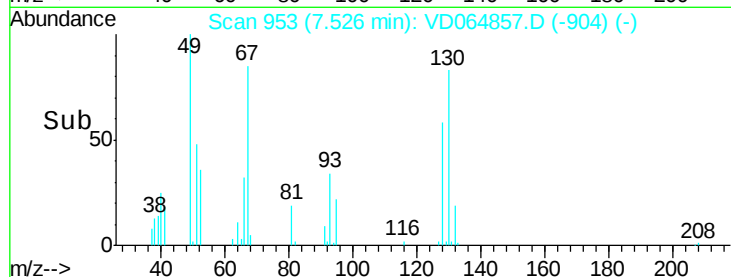
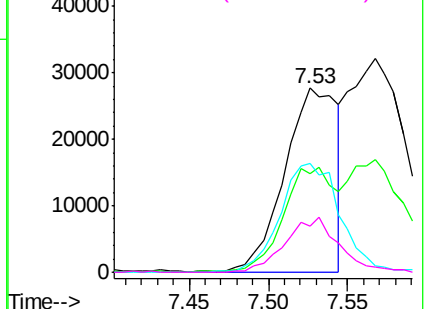


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 53.03 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064857.D

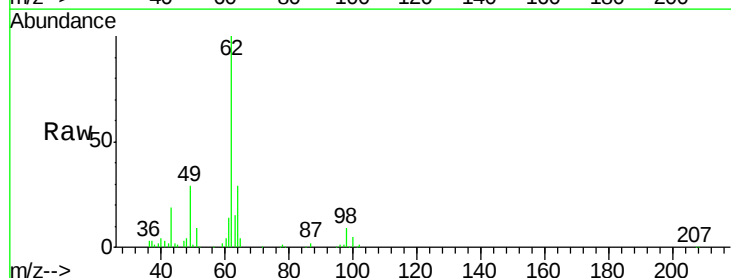
Acq: 17 Jan 2020 12:17

Tgt Ion: 62 Resp: 222724

Ion Ratio Lower Upper

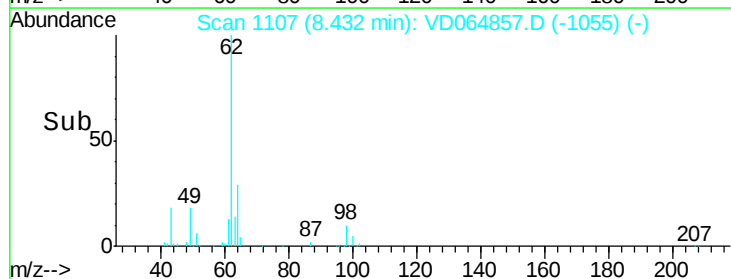
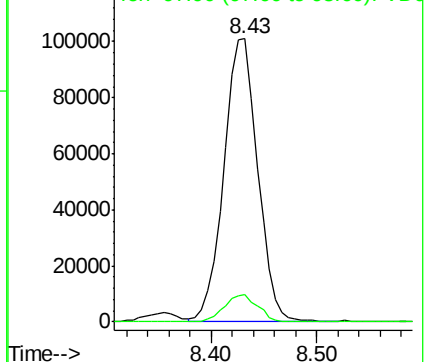
62 100

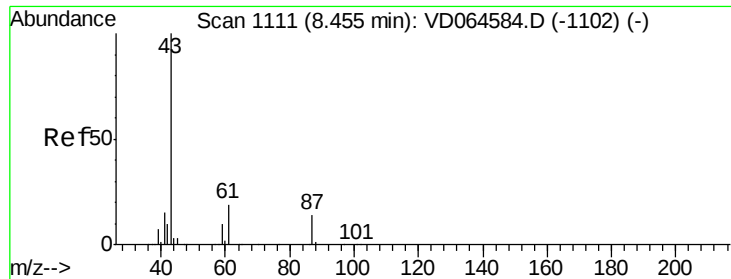
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.97 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

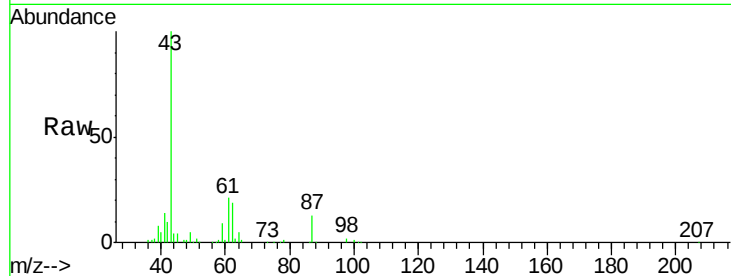
Tgt Ion: 43 Resp: 212183

Ion Ratio Lower Upper

43 100

61 29.9 23.7 35.5

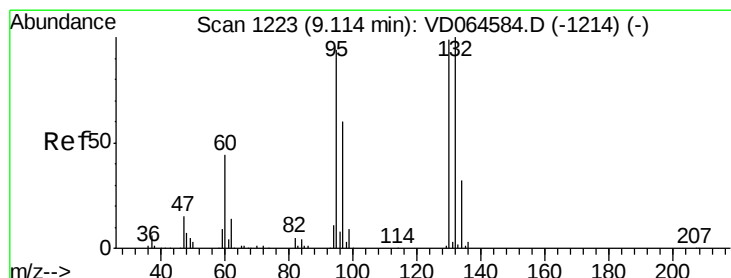
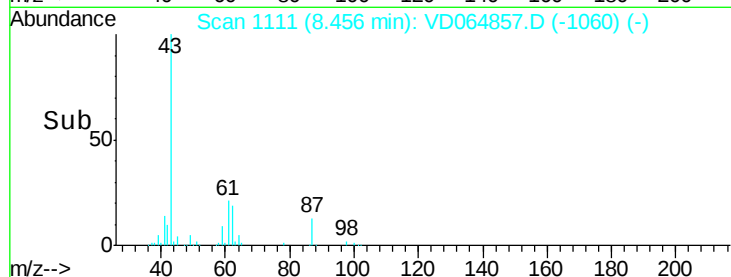
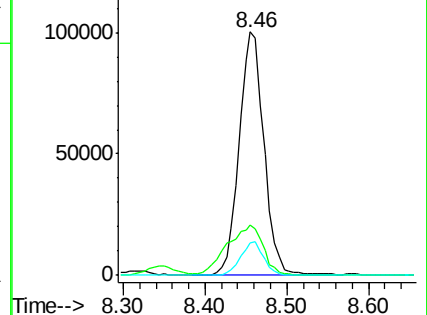
87 12.8 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.19 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064857.D

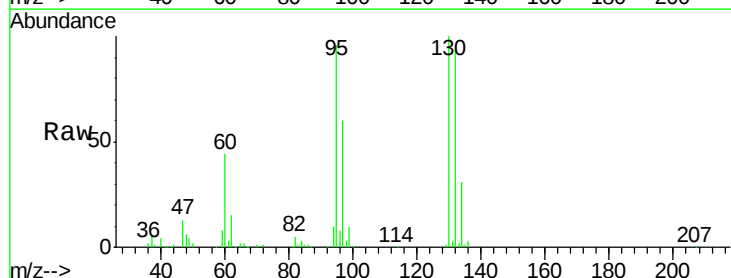
Acq: 17 Jan 2020 12:17

Tgt Ion: 130 Resp: 218563

Ion Ratio Lower Upper

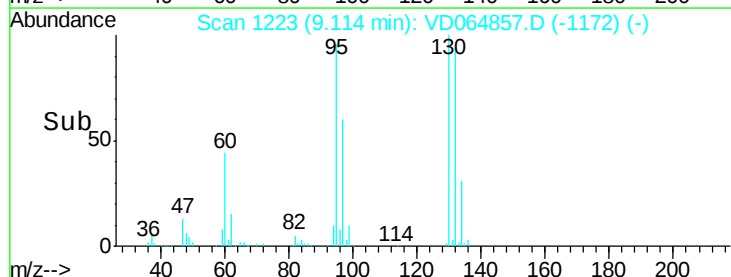
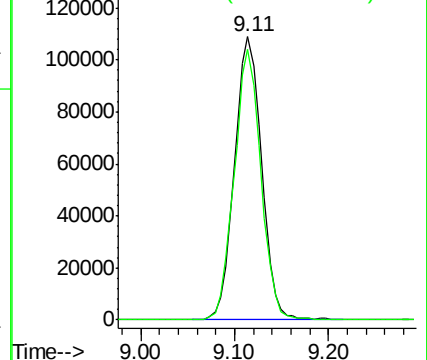
130 100

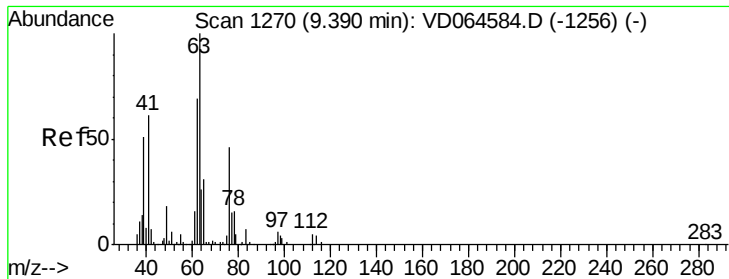
95 95.5 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.95 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

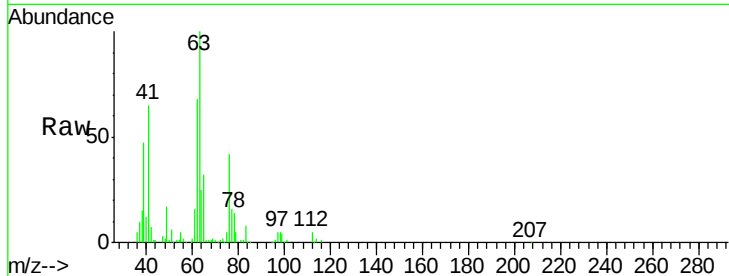
VSTDCCC050

Tgt Ion: 63 Resp: 187208

Ion Ratio Lower Upper

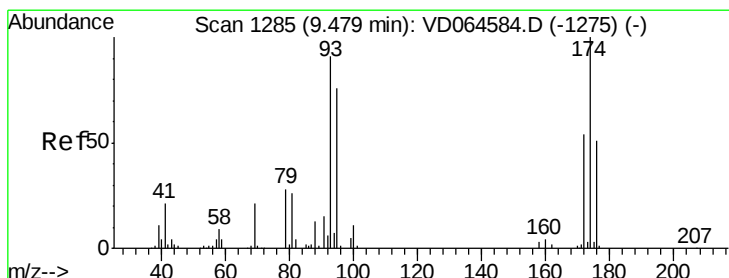
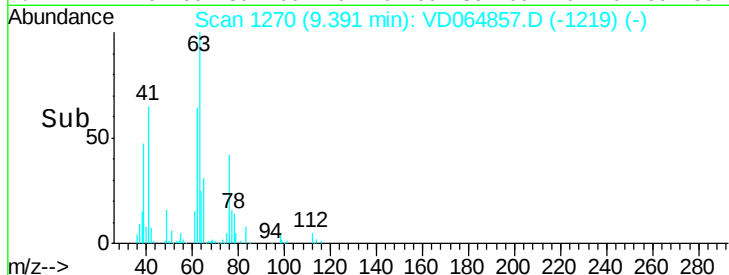
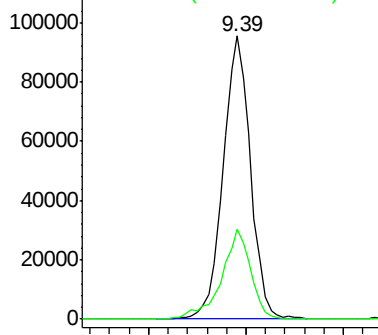
63 100

65 31.6 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: 51.19 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

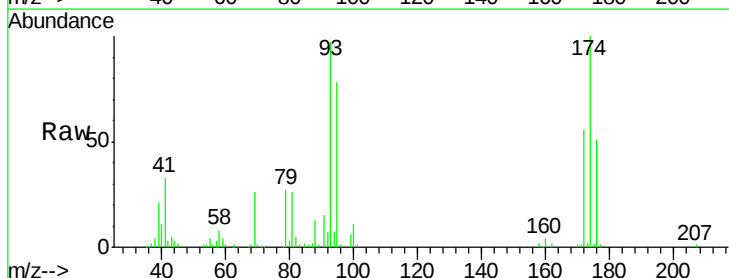
Tgt Ion: 93 Resp: 99028

Ion Ratio Lower Upper

93 100

95 82.0 64.6 97.0

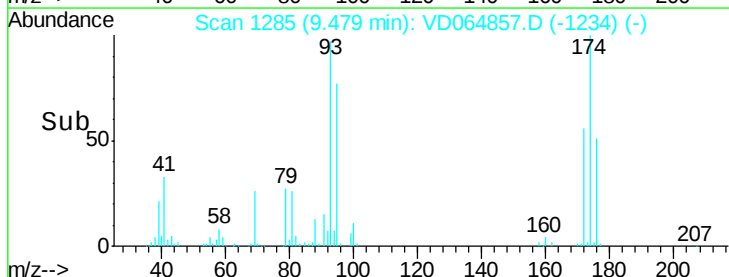
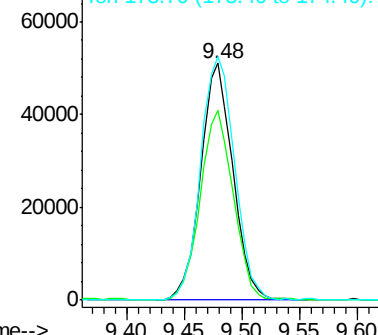
174 108.3 88.1 132.1

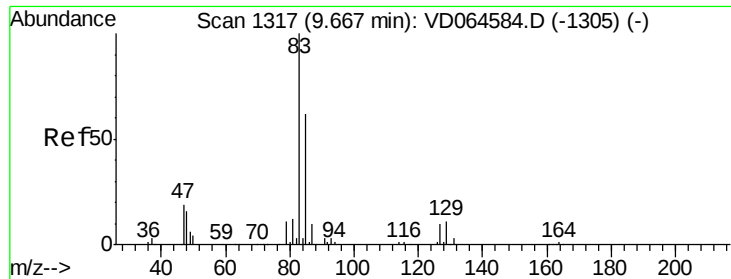


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

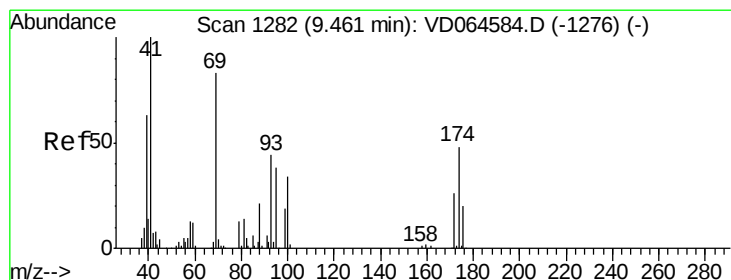
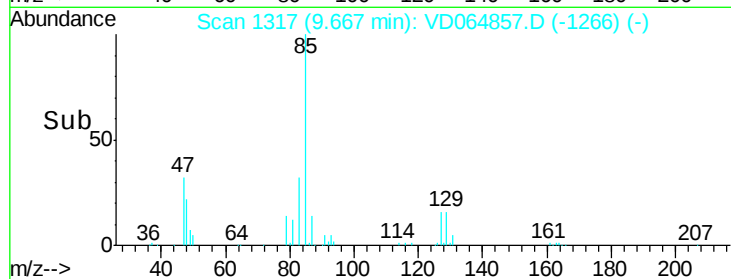
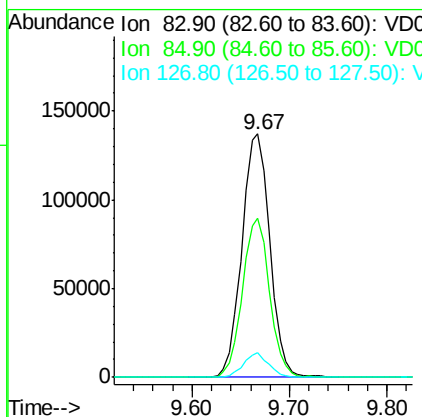
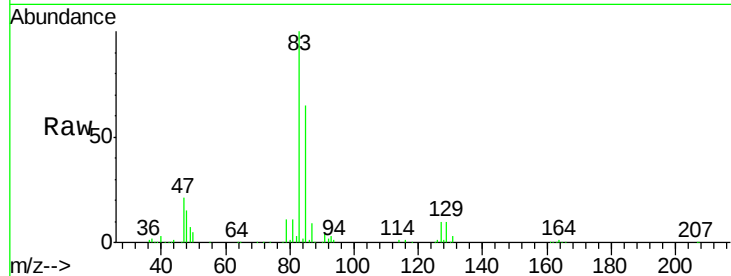




#47
 Bromodichloromethane
 Concen: 53.38 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

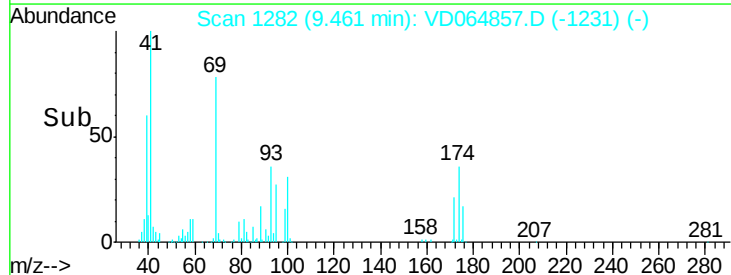
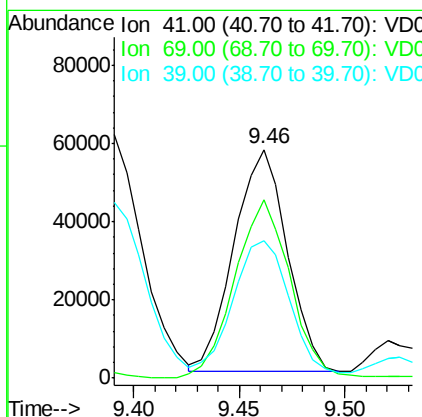
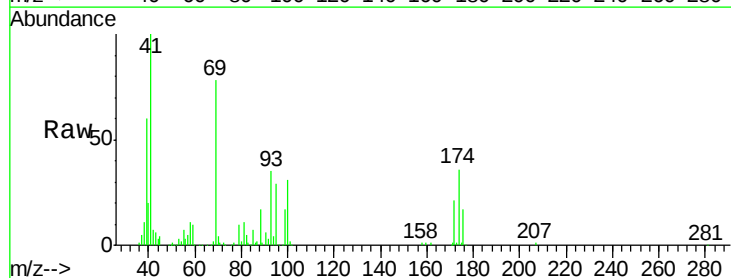
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

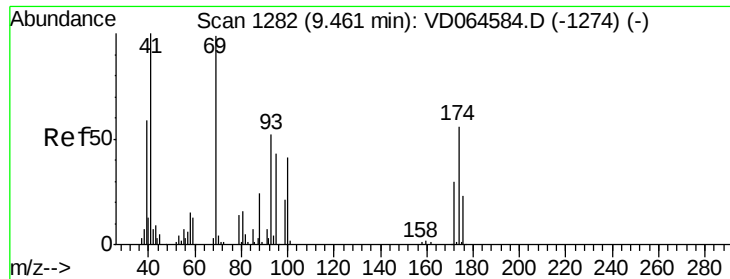
Tgt Ion: 83 Resp: 274788
 Ion Ratio Lower Upper
 83 100
 85 65.1 49.5 74.3
 127 10.2 7.8 11.6



#48
 Methyl methacrylate
 Concen: 50.40 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 41 Resp: 98787
 Ion Ratio Lower Upper
 41 100
 69 84.8 63.0 94.6
 39 62.2 47.4 71.2

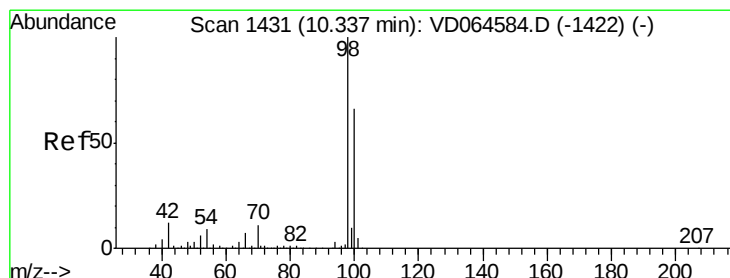
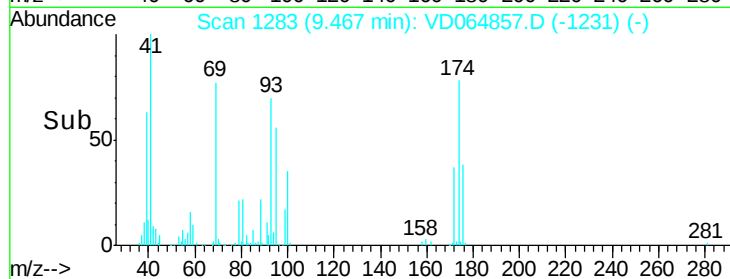
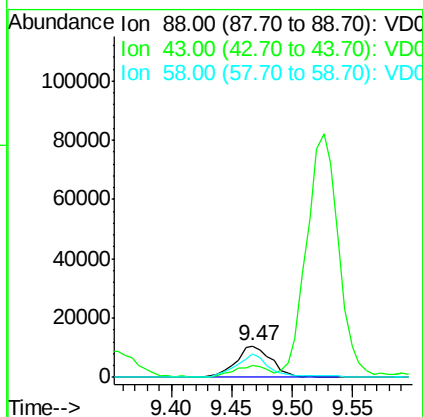
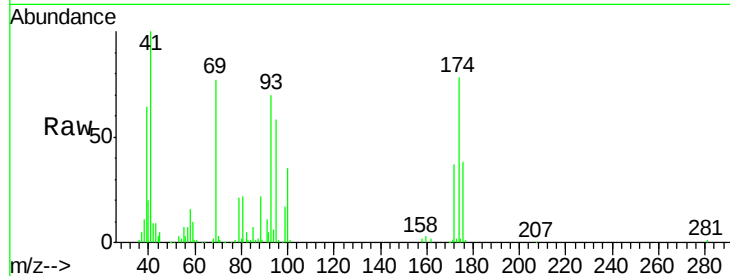




#49
1,4-Dioxane
Concen: 994.95 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

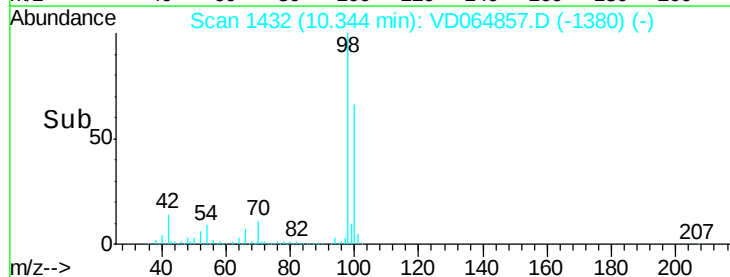
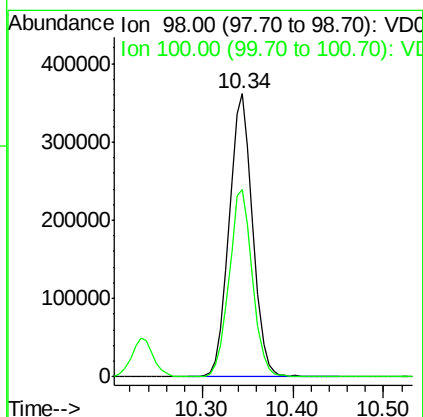
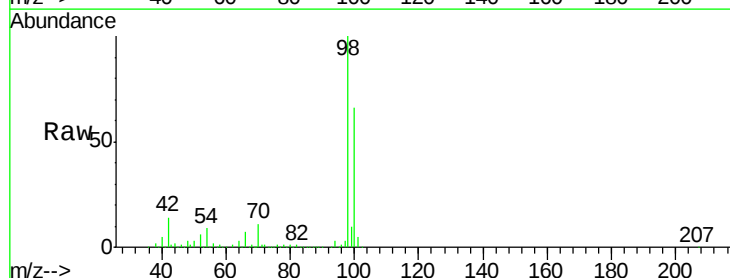
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 22195
Ion Ratio Lower Upper
88 100
43 37.0 27.7 41.5
58 65.5 53.8 80.6



#50
Toluene-d8
Concen: 50.17 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 98 Resp: 651991
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5

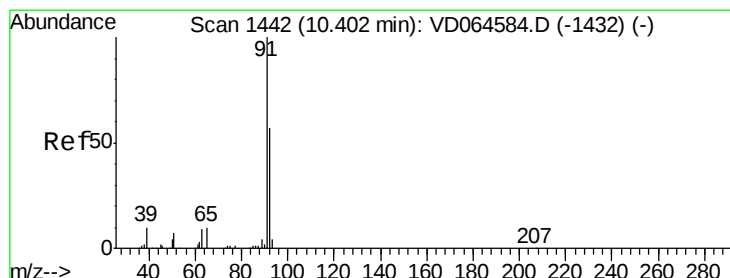
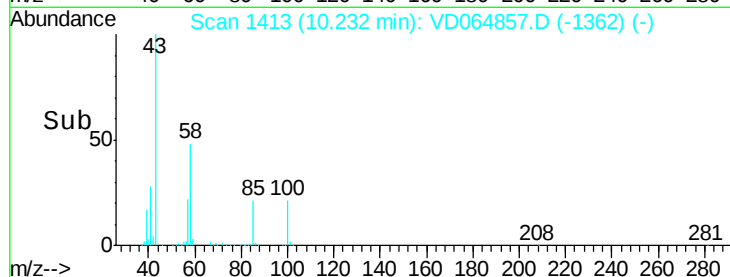
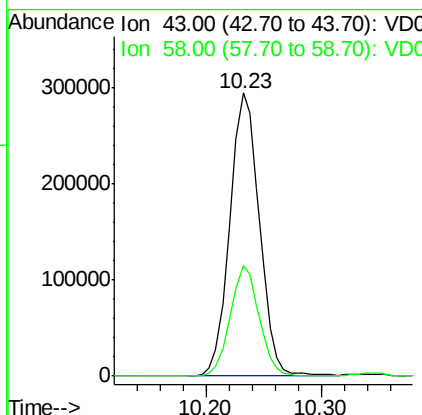
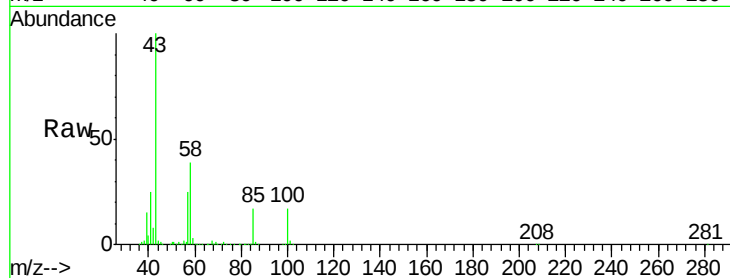




#51
4-Methyl-2-Pentanone
Concen: 254.64 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

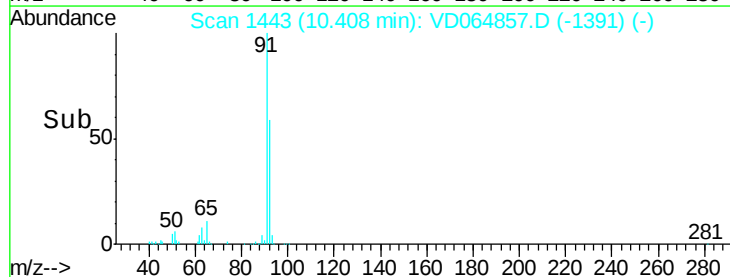
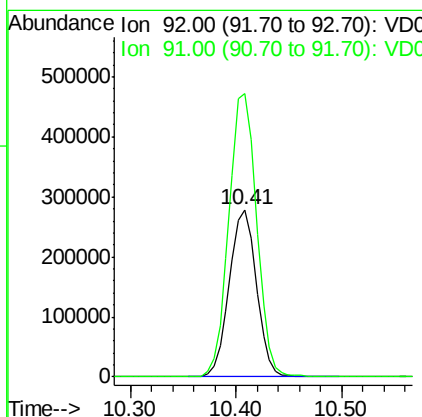
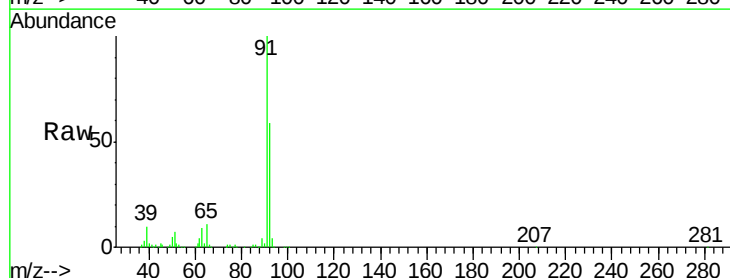
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

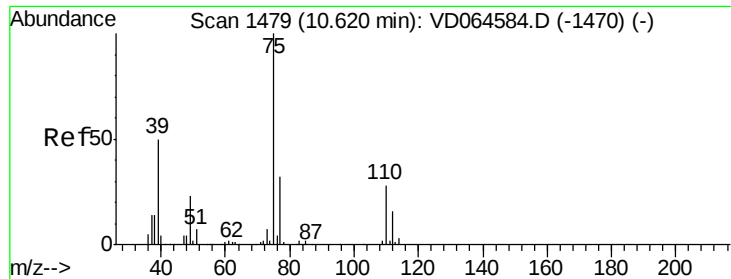
Tgt Ion: 43 Resp: 523956
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.2



#52
Toluene
Concen: 52.17 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 92 Resp: 497398
Ion Ratio Lower Upper
92 100
91 173.3 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 53.62 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

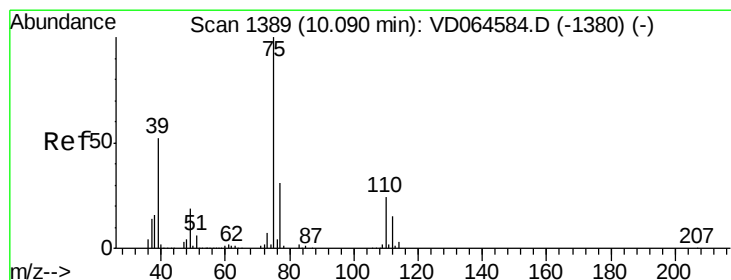
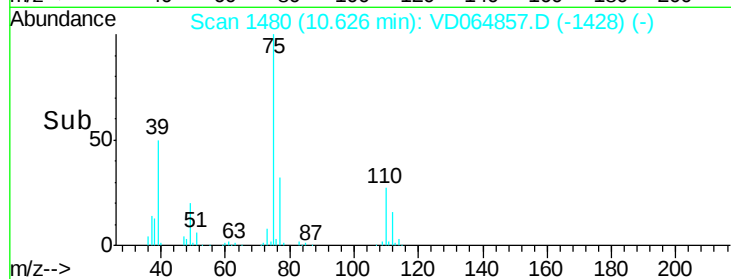
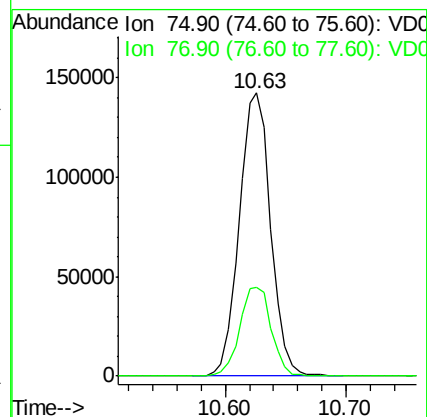
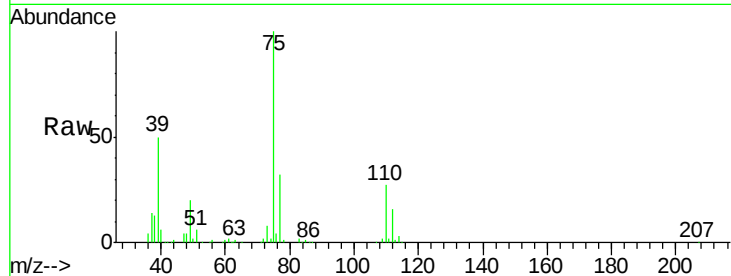
VSTDCCC050

Tgt Ion: 75 Resp: 257375

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.41 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

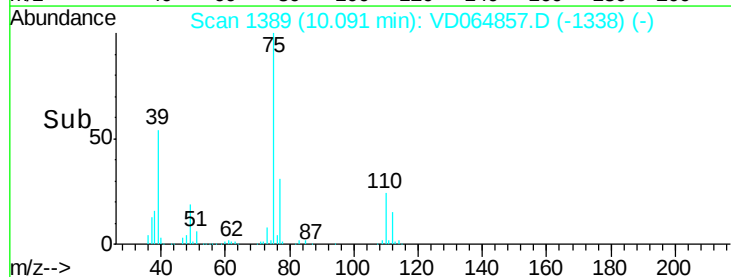
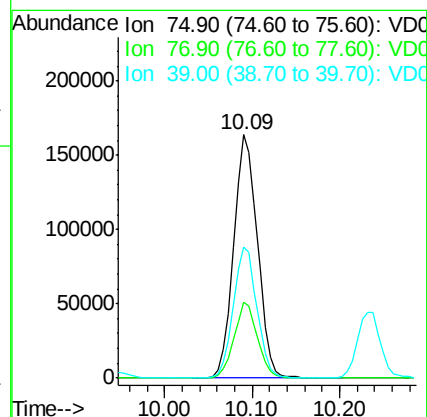
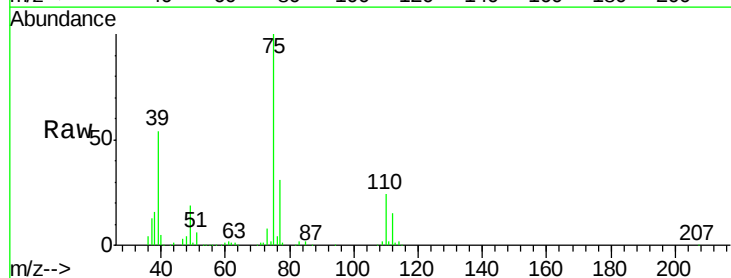
Tgt Ion: 75 Resp: 302247

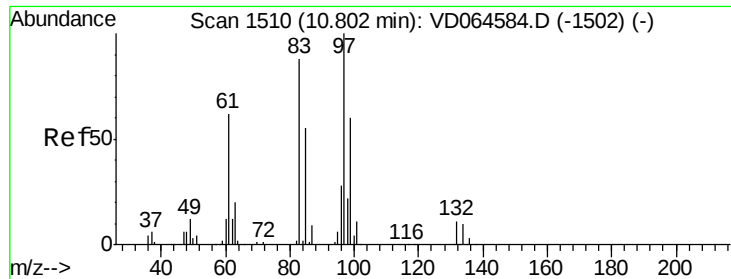
Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 53.9 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 51.31 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 133767

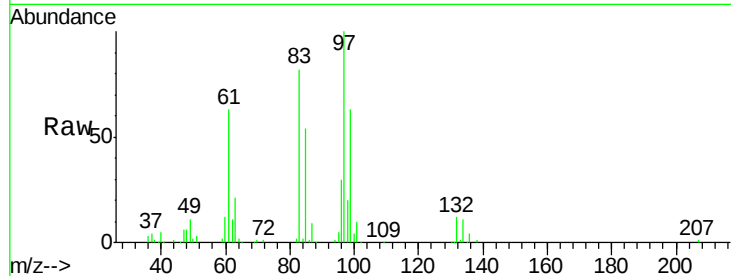
Ion Ratio Lower Upper

97 100

83 82.3 70.2 105.4

85 53.8 44.0 66.0

99 62.6 47.8 71.6

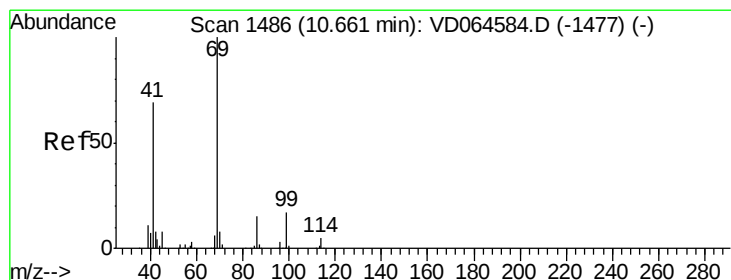
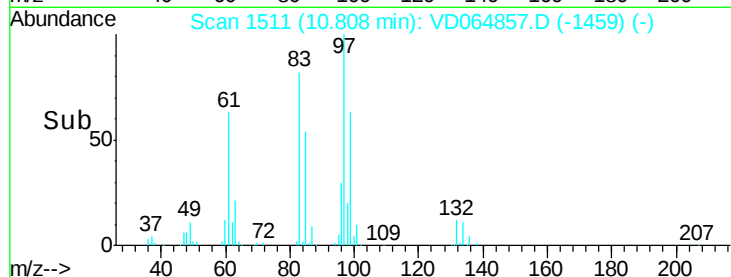
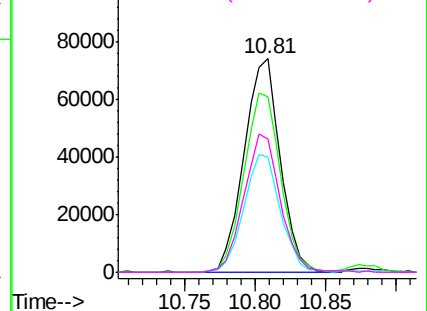


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 51.63 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

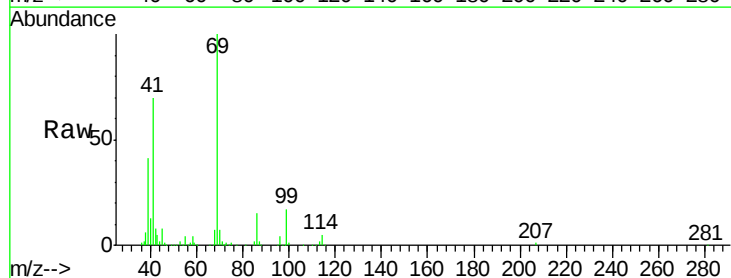
Tgt Ion: 69 Resp: 168114

Ion Ratio Lower Upper

69 100

41 69.8 55.3 82.9

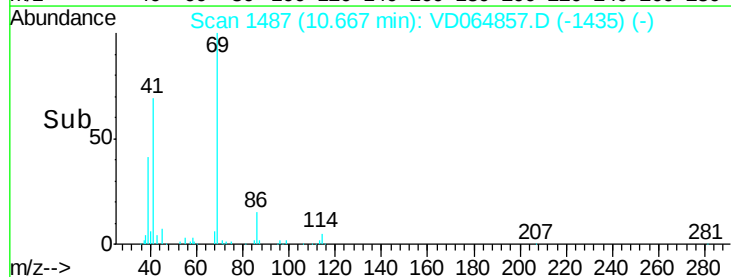
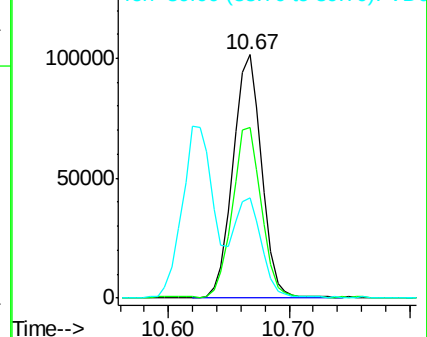
39 37.4 33.8 50.8

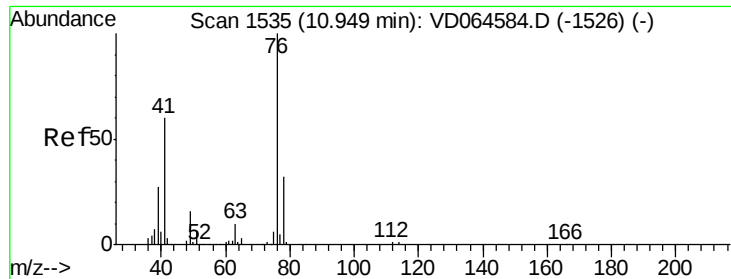


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

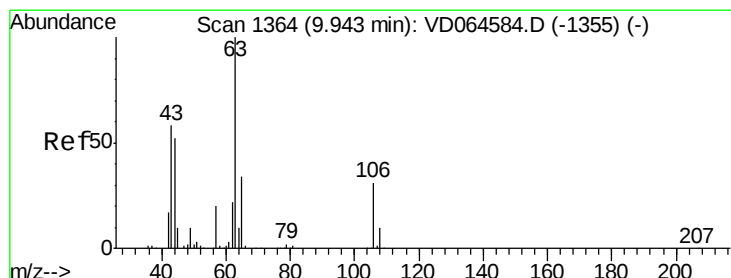
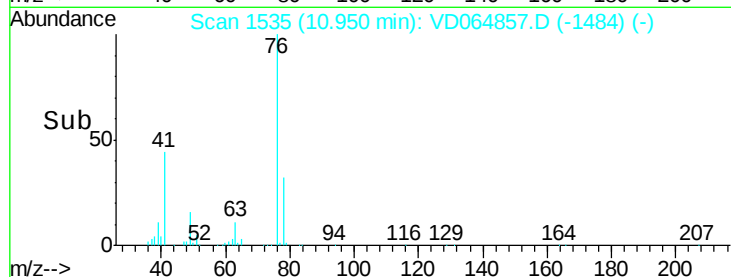
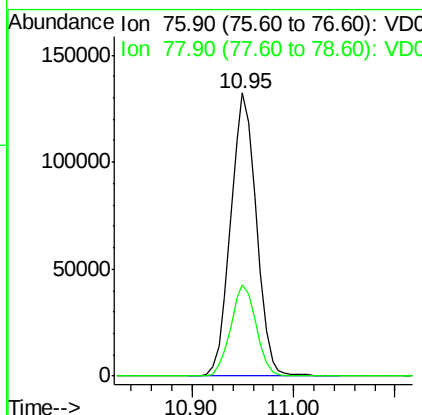
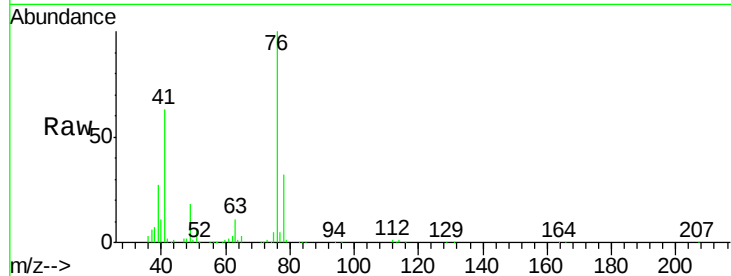




#57
 1,3-Dichloropropane
 Concen: 51.84 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

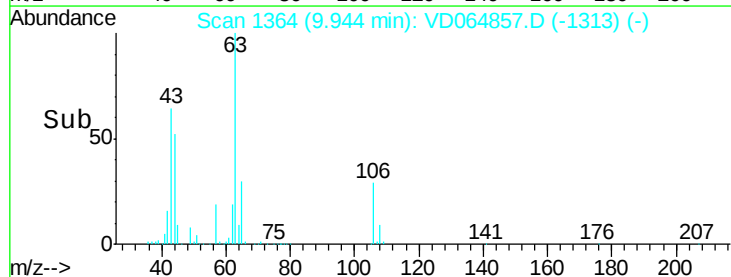
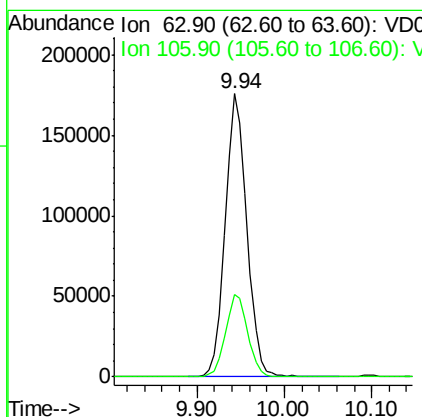
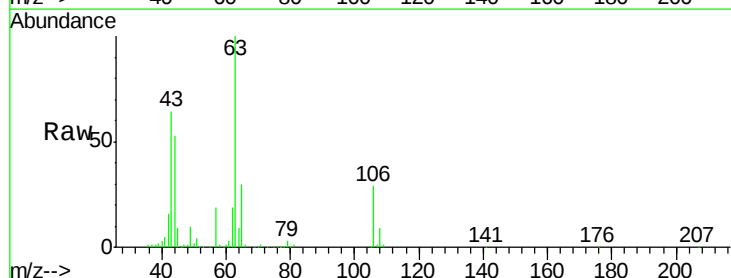
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

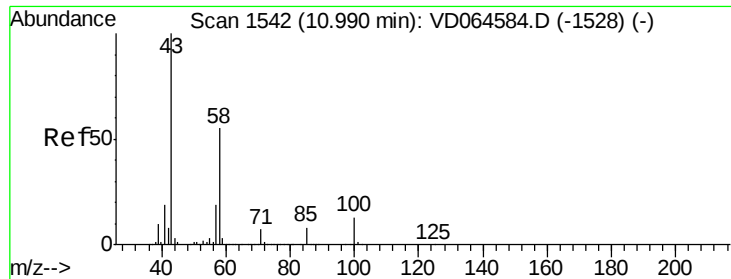
Tgt Ion: 76 Resp: 232719
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.89 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 63 Resp: 298834
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

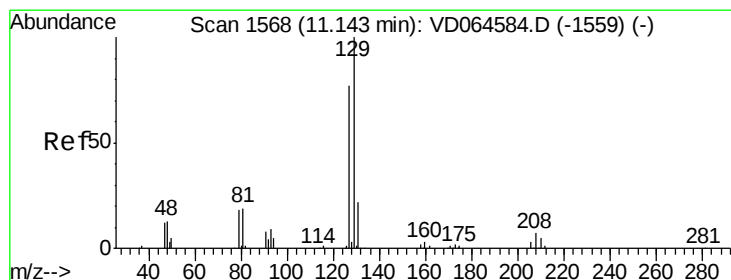
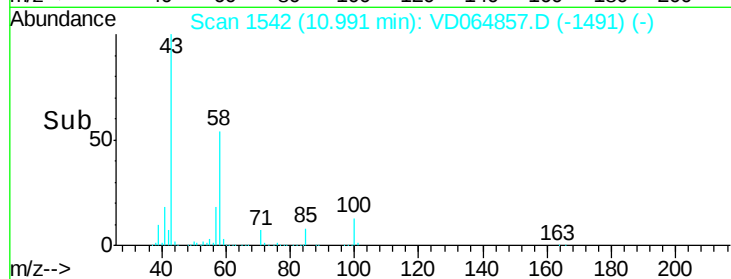
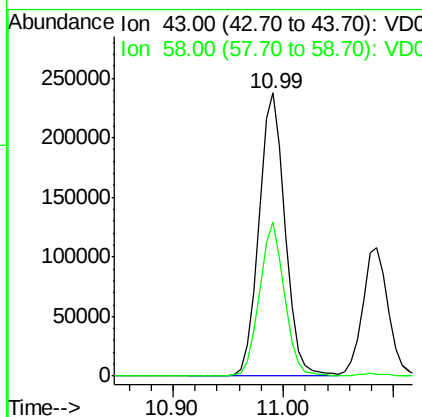
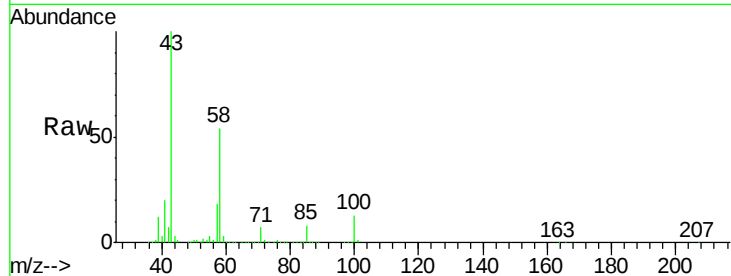




#59
2-Hexanone
Concen: 282.51 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

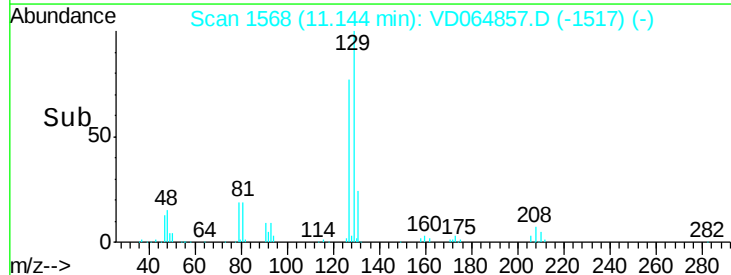
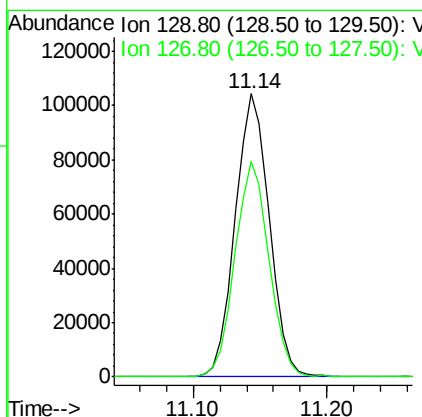
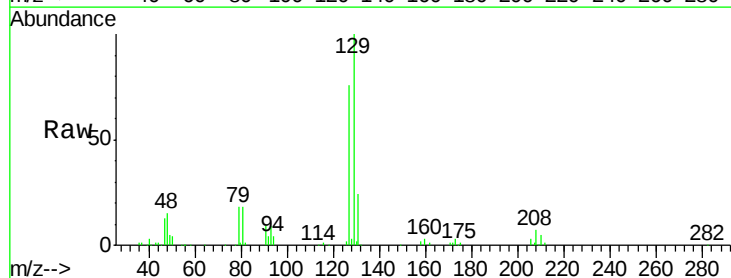
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

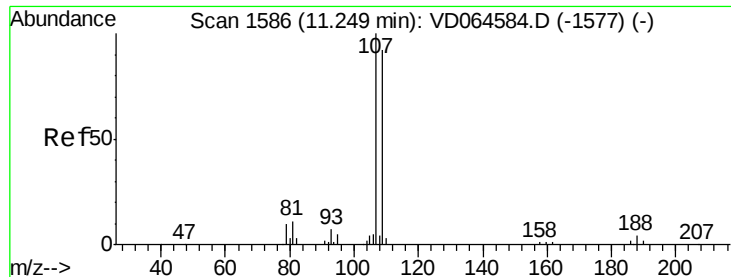
Tgt Ion: 43 Resp: 394532
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0



#60
Dibromochloromethane
Concen: 51.26 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion: 129 Resp: 184806
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2

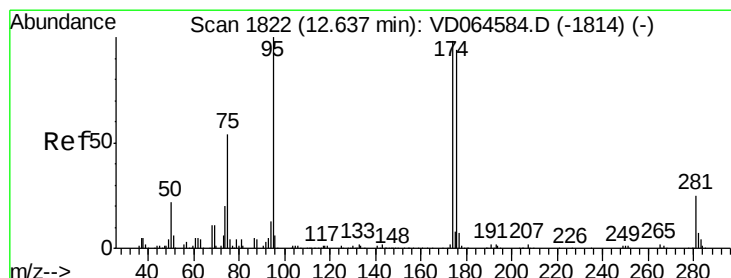
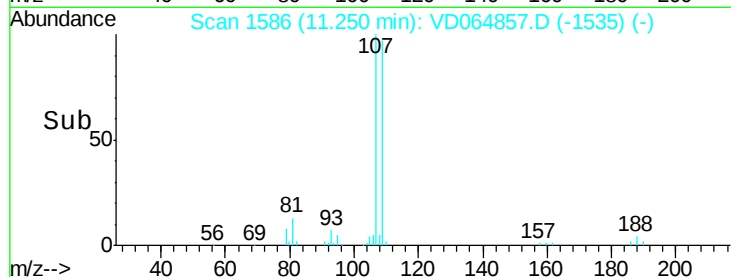
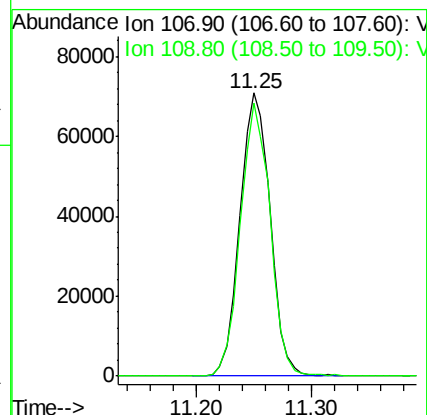
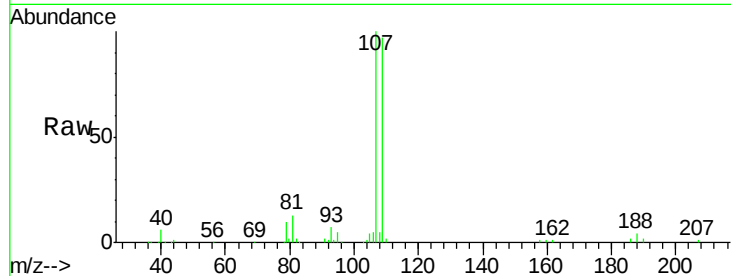




#61
 1,2-Dibromoethane
 Concen: 50.01 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

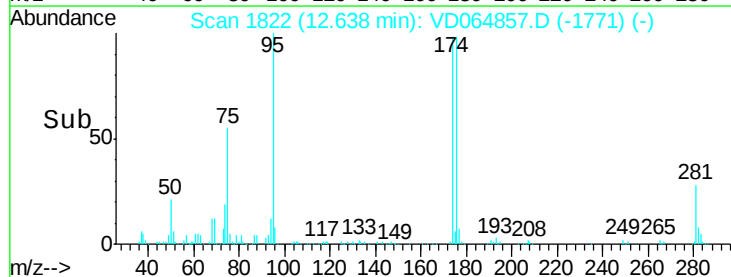
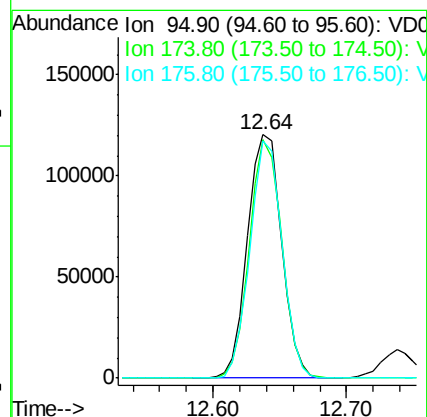
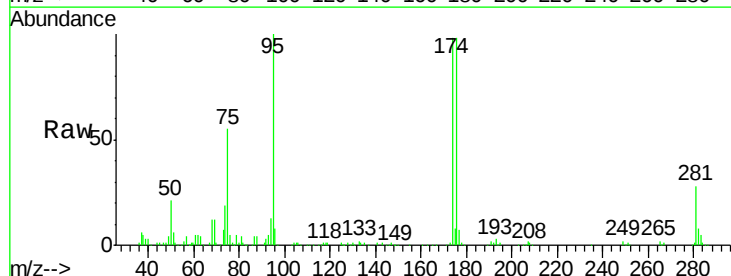
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

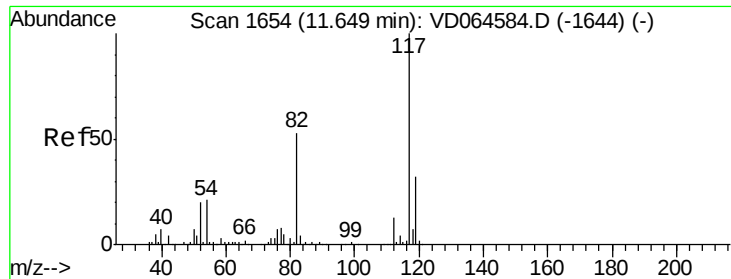
Tgt Ion: 107 Resp: 128601
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.70 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 95 Resp: 212471
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 193.2
 176 91.5 0.0 184.2

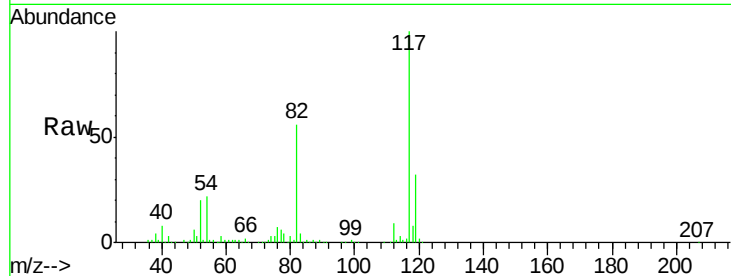




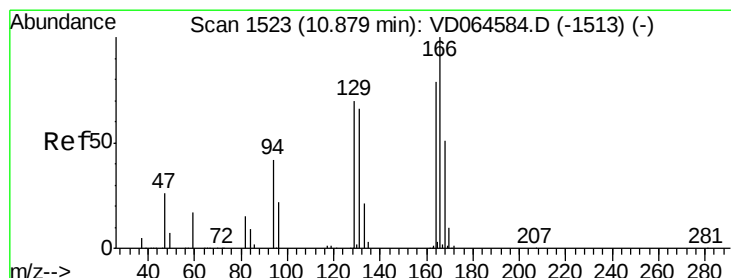
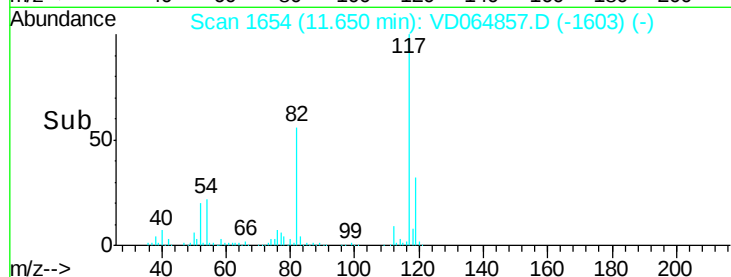
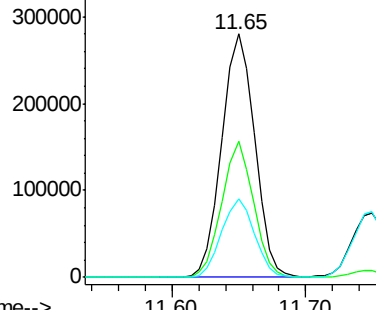
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 478486
Ion Ratio Lower Upper
117 100
82 55.8 42.2 63.4
119 32.3 26.0 39.0

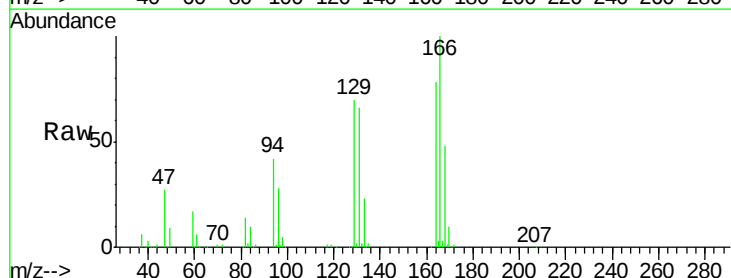


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

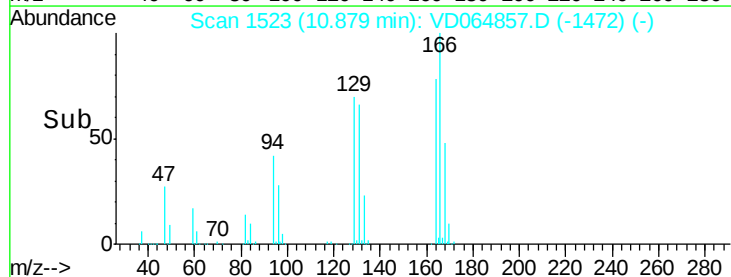
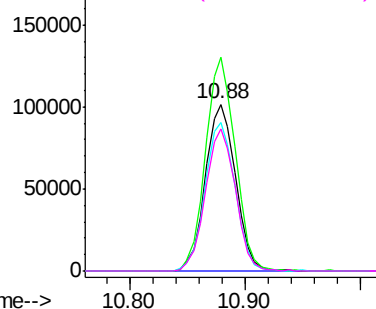


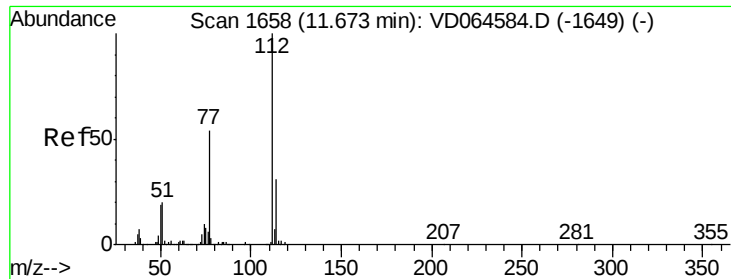
#64
Tetrachloroethene
Concen: 50.02 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion:164 Resp: 183619
Ion Ratio Lower Upper
164 100
166 128.2 101.3 151.9
129 89.2 70.5 105.7
131 85.1 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

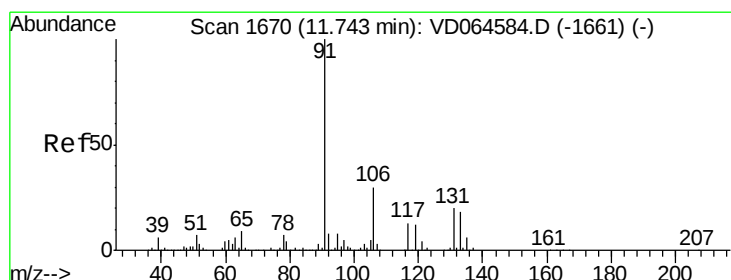
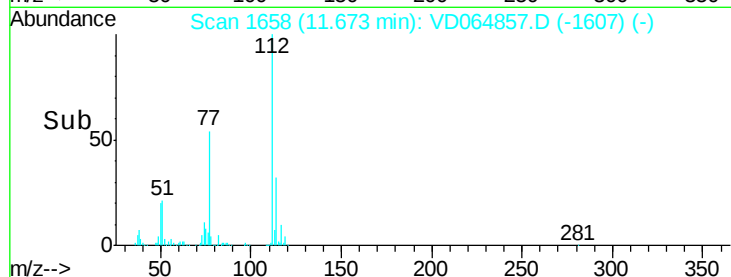
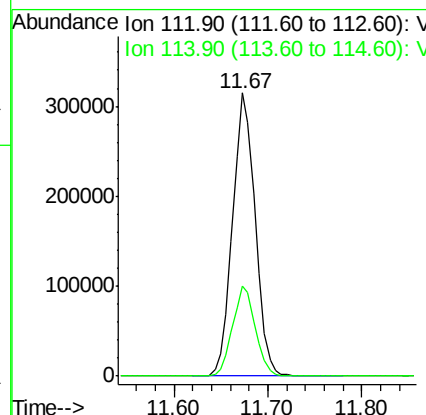
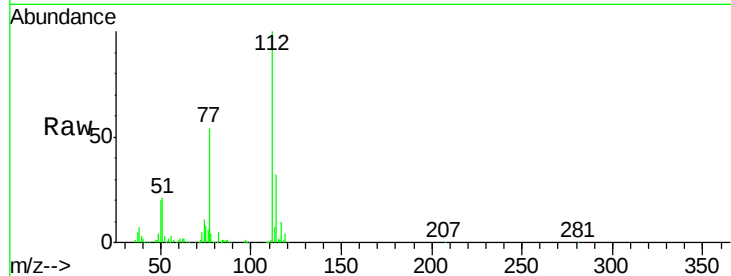




#65
Chlorobenzene
Concen: 52.96 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

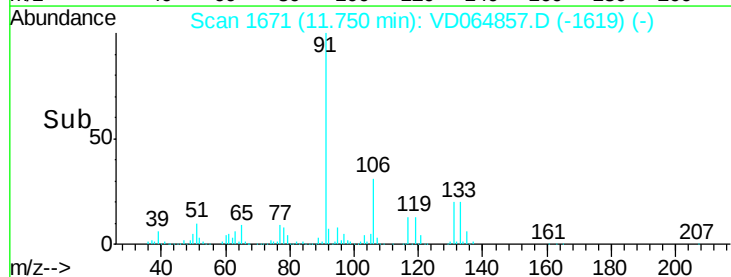
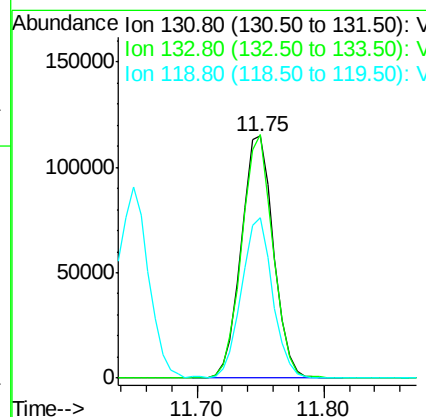
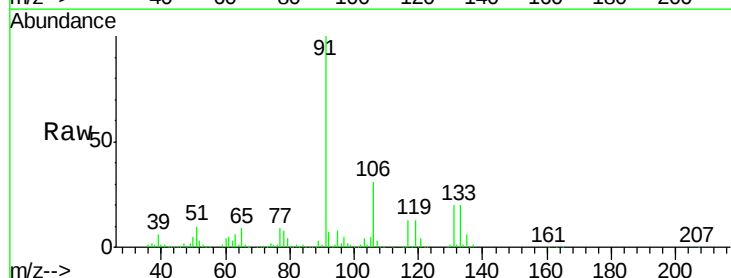
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 525977
Ion Ratio Lower Upper
112 100
114 31.7 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.12 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion:131 Resp: 202609
Ion Ratio Lower Upper
131 100
133 97.2 48.3 144.8
119 63.9 32.1 96.3





#67

Ethyl Benzene

Concen: 53.62 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

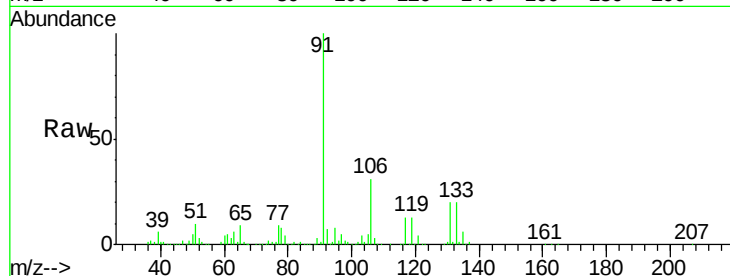
VSTDCCC050

Tgt Ion: 91 Resp: 966504

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

800000

600000

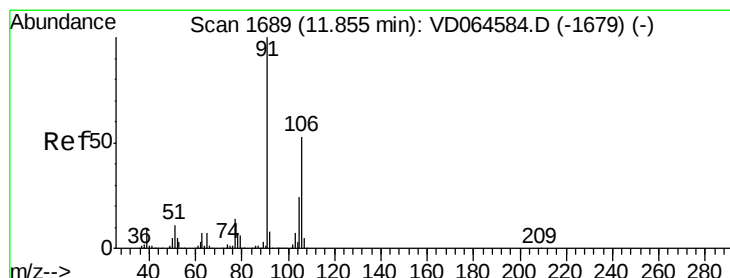
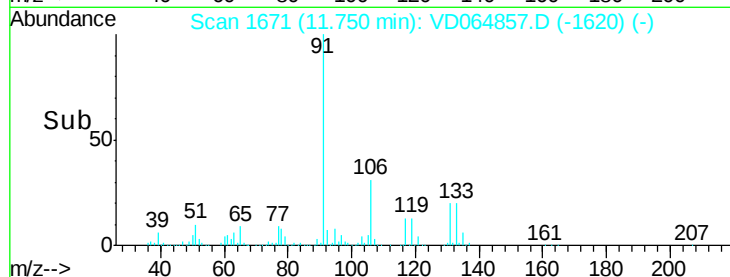
400000

200000

0

11.70 11.80

Time-->



#68

m/p-Xylenes

Concen: 106.73 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064857.D

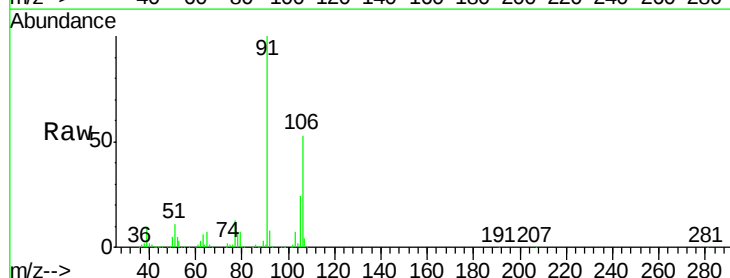
Acq: 17 Jan 2020 12:17

Tgt Ion: 106 Resp: 742560

Ion Ratio Lower Upper

106 100

91 196.8 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

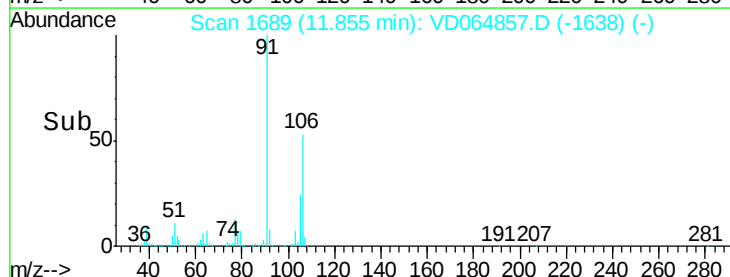
400000

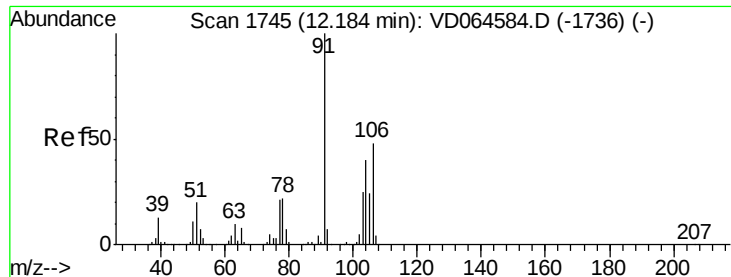
200000

0

11.80 11.90

Time-->

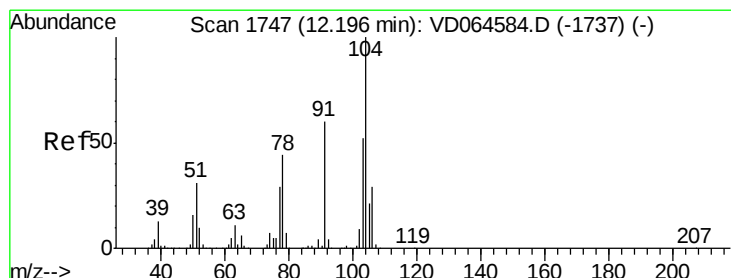
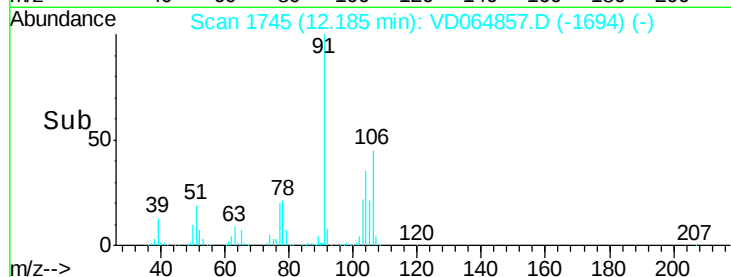
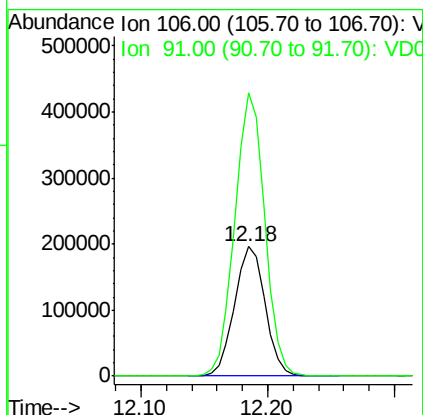
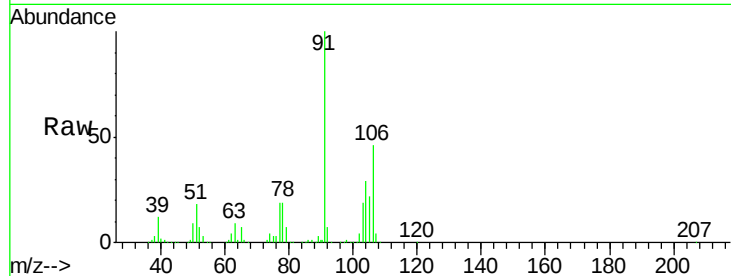




#69
o-Xylene
Concen: 52.10 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

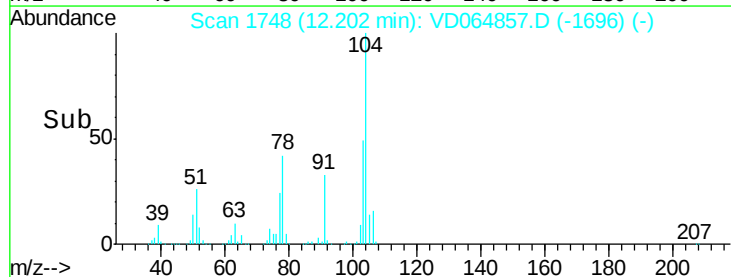
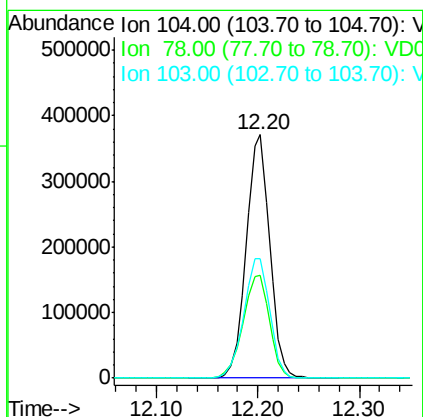
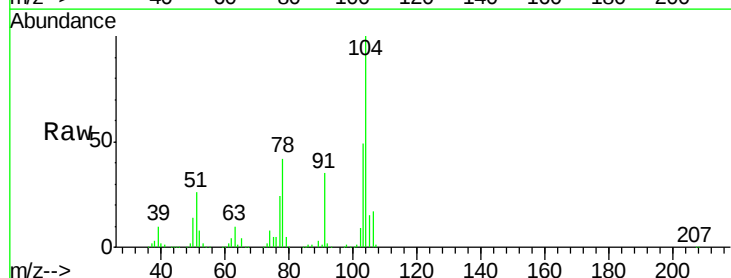
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

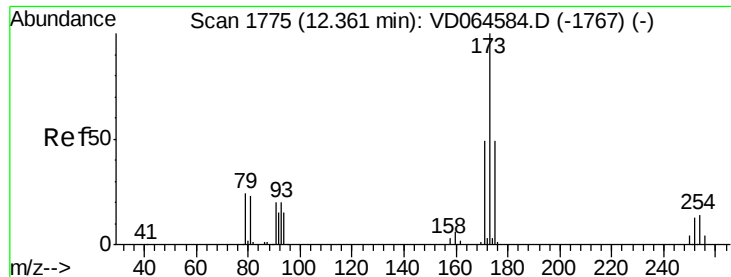
Tgt Ion:106 Resp: 327417
Ion Ratio Lower Upper
106 100
91 213.8 104.8 314.4



#70
Styrene
Concen: 54.16 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064857.D
Acq: 17 Jan 2020 12:17

Tgt Ion:104 Resp: 597422
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 54.4 44.6 67.0





#71

Bromoform

Concen: 50.71 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

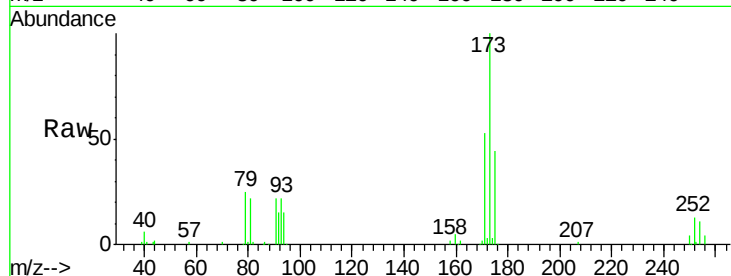
Tgt Ion:173 Resp: 108255

Ion Ratio Lower Upper

173 100

175 47.6 24.6 73.8

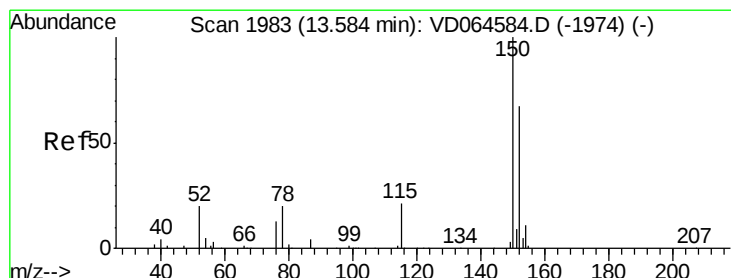
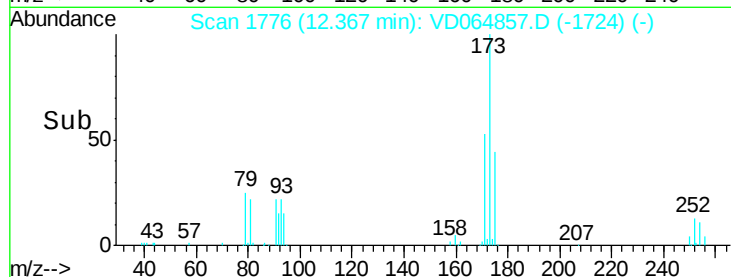
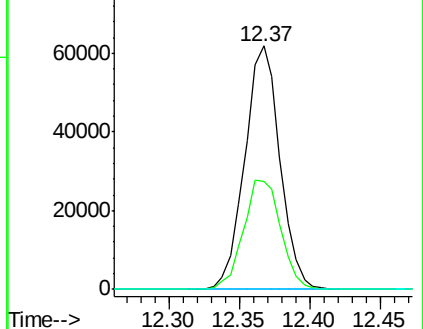
254 0.1 0.1 0.1#



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: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

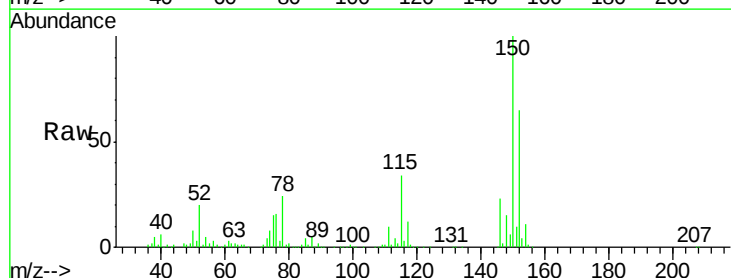
Tgt Ion:152 Resp: 243415

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

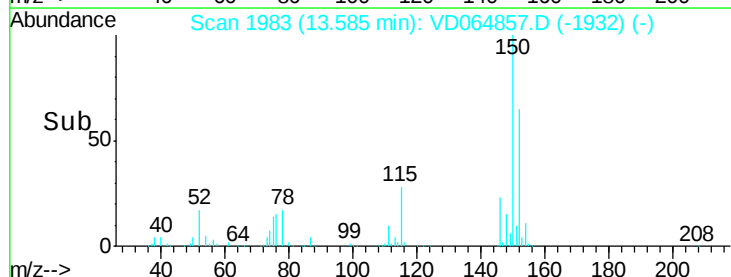
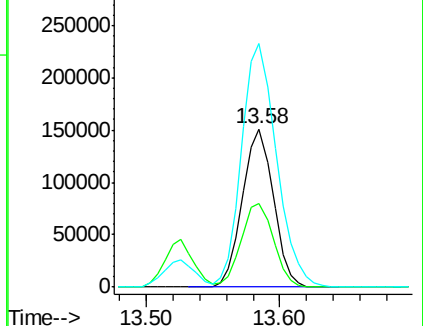
150 173.2 0.0 351.4

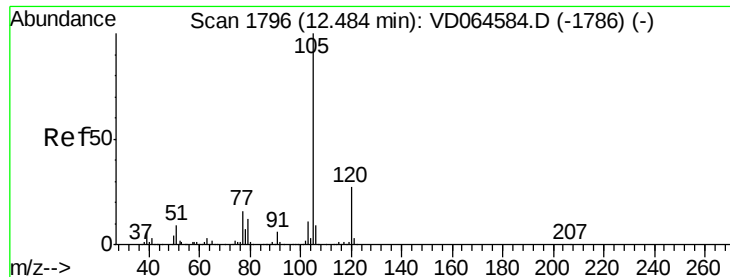


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.20 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

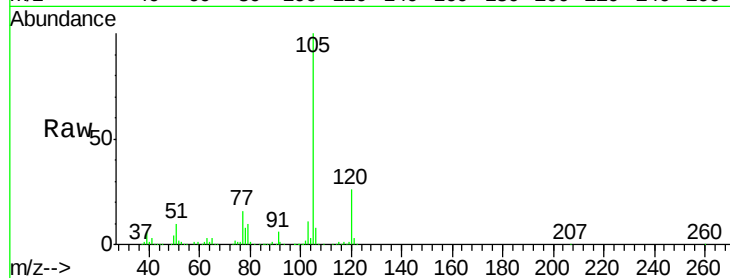
VSTDCCC050

Tgt Ion:105 Resp: 925378

Ion Ratio Lower Upper

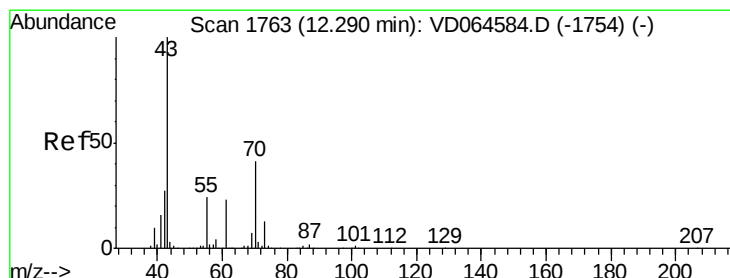
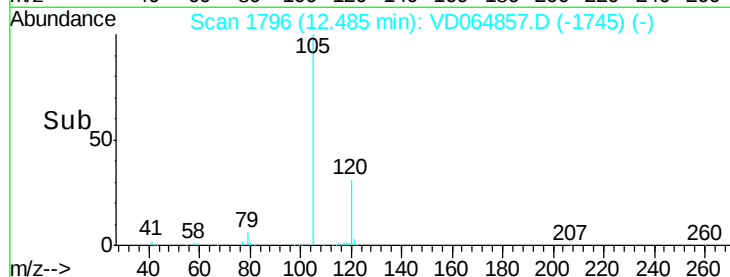
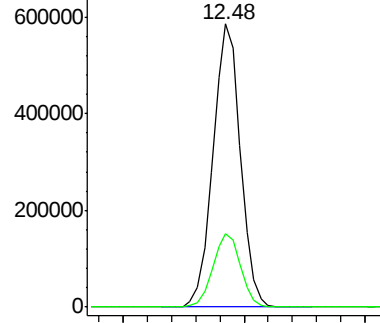
105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.75 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Tgt Ion: 43 Resp: 192443

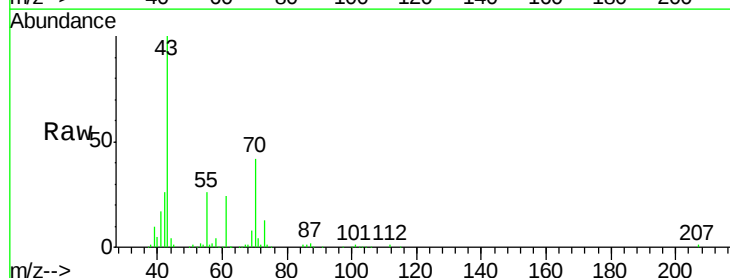
Ion Ratio Lower Upper

43 100

70 40.9 33.4 50.0

55 25.1 19.4 29.0

61 22.6 18.3 27.5

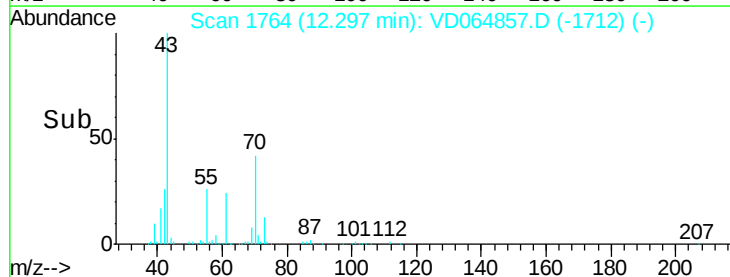
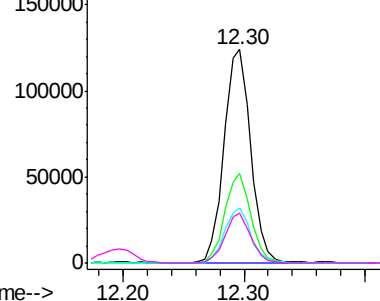


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.94 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

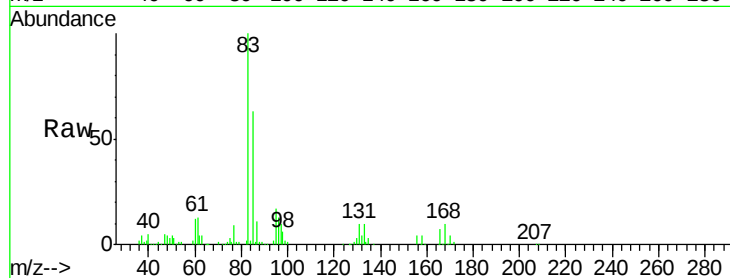
Tgt Ion: 83 Resp: 139185

Ion Ratio Lower Upper

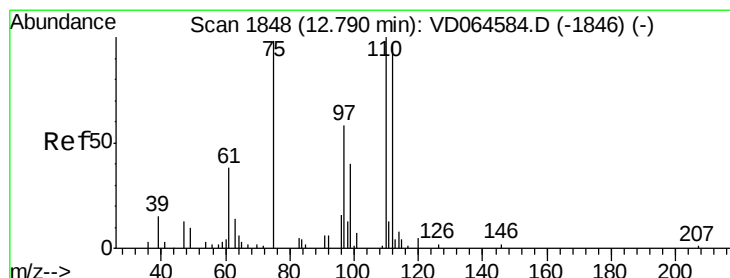
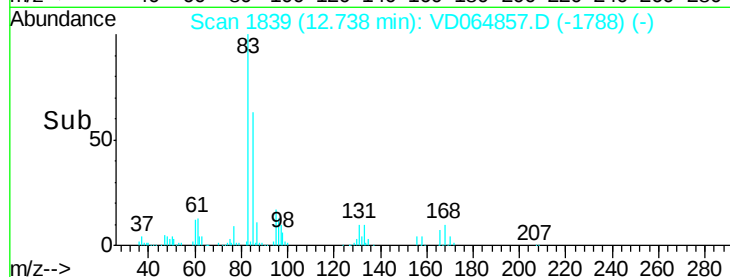
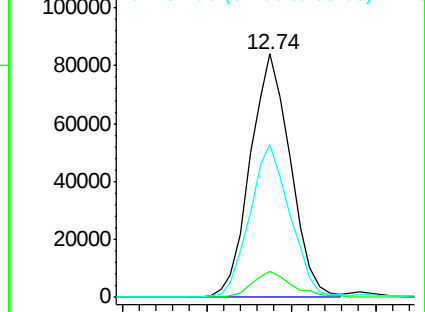
83 100

131 10.6 5.8 17.4

85 63.3 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: 96.82 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064857.D

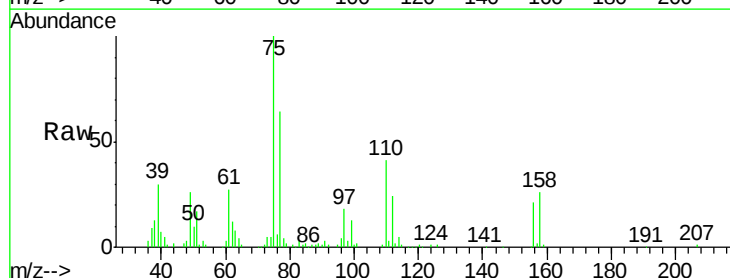
Acq: 17 Jan 2020 12:17

Tgt Ion: 75 Resp: 186108

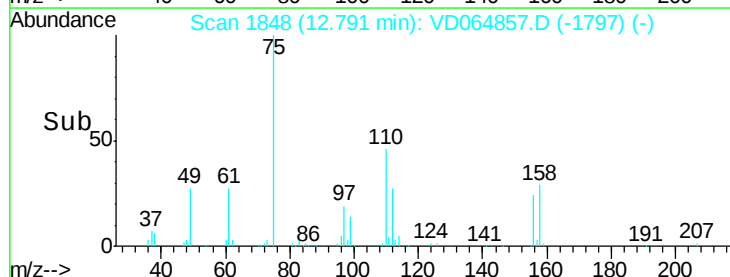
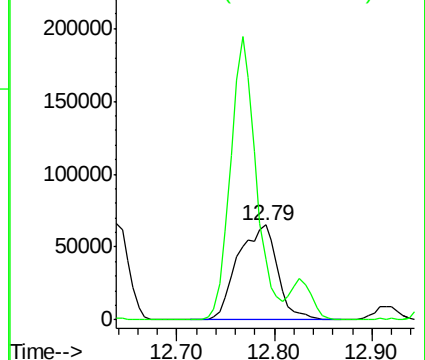
Ion Ratio Lower Upper

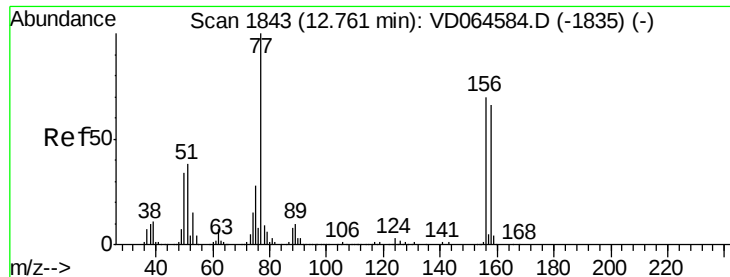
75 100

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: 50.73 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

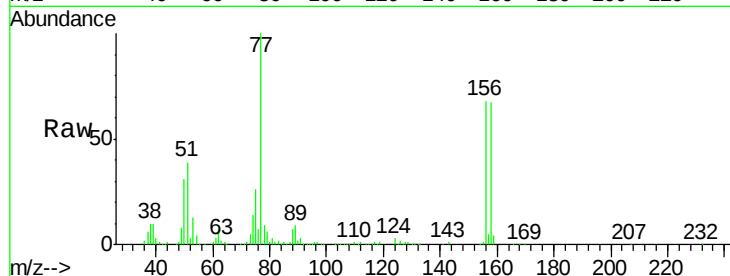
Tgt Ion:156 Resp: 216843

Ion Ratio Lower Upper

156 100

77 164.1 80.9 242.7

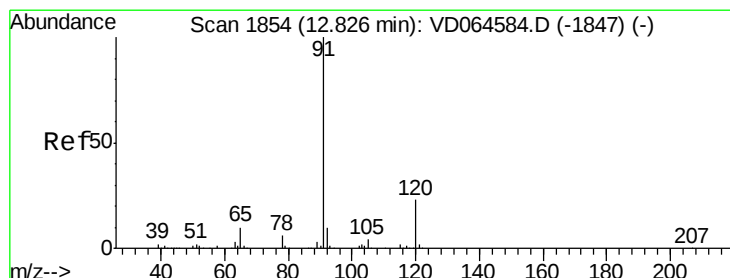
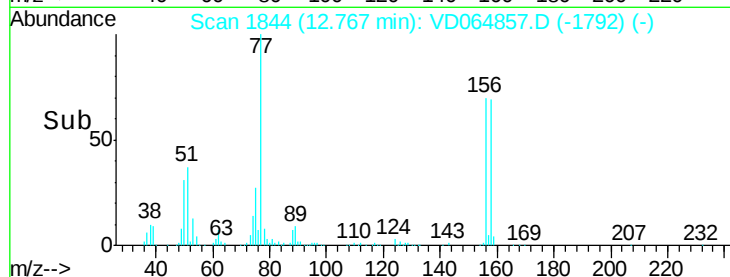
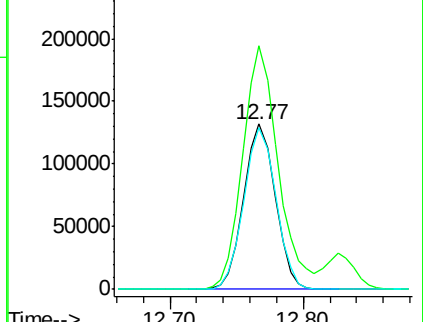
158 99.0 48.0 144.2



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: 53.45 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064857.D

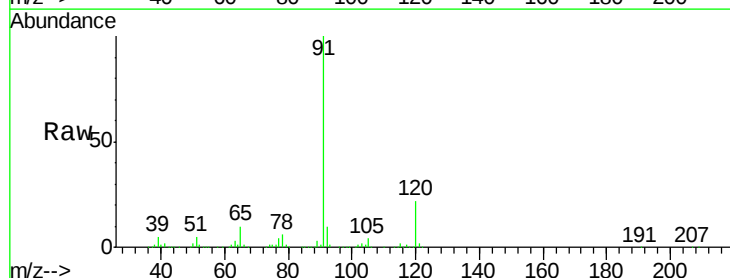
Acq: 17 Jan 2020 12:17

Tgt Ion: 91 Resp: 1084714

Ion Ratio Lower Upper

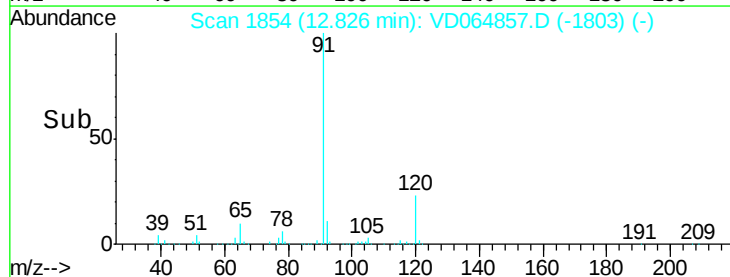
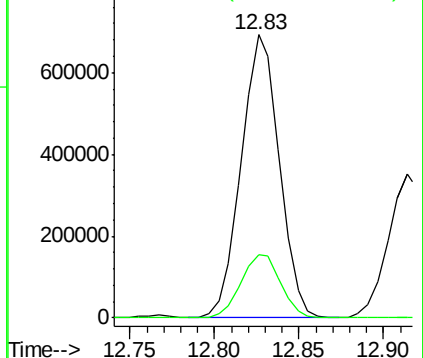
91 100

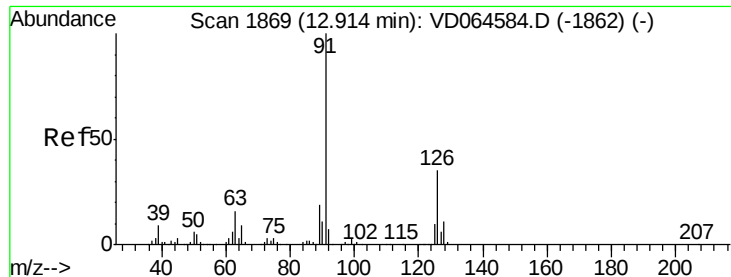
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.65 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

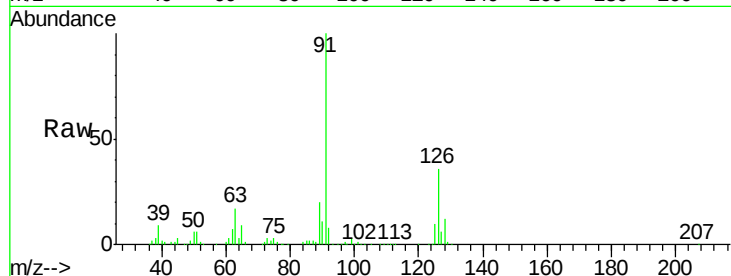
VSTDCCC050

Tgt Ion: 91 Resp: 586993

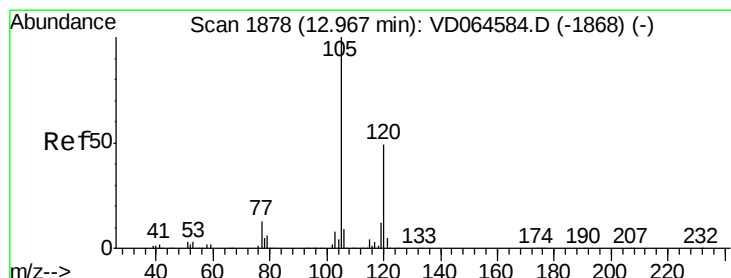
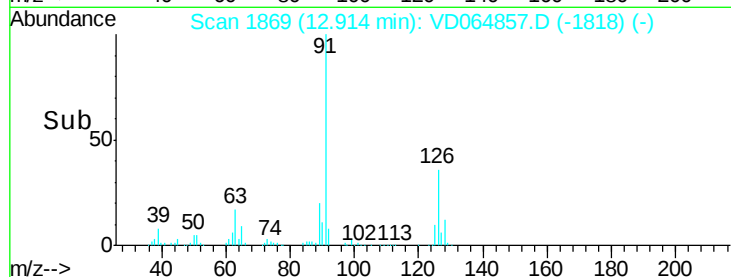
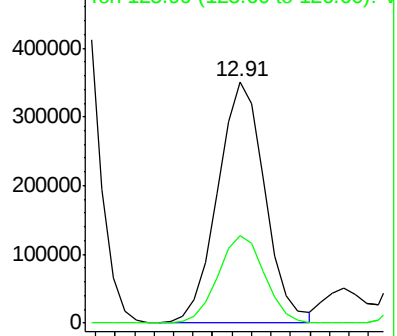
Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 52.62 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064857.D

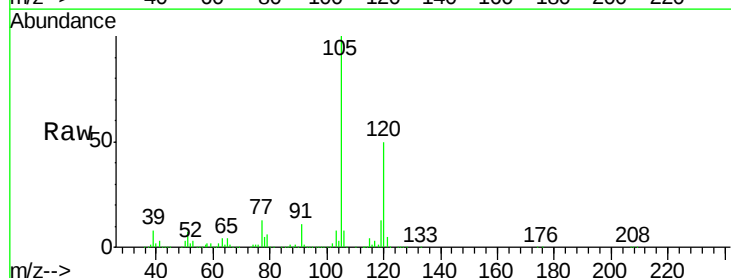
Acq: 17 Jan 2020 12:17

Tgt Ion: 105 Resp: 751843

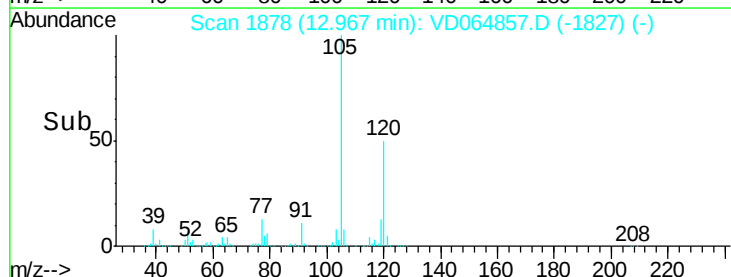
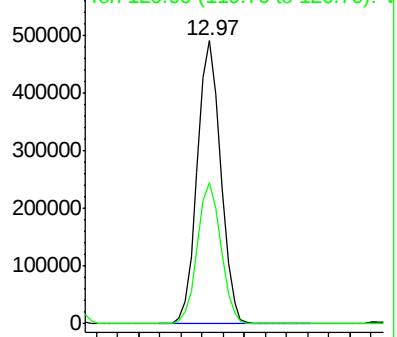
Ion Ratio Lower Upper

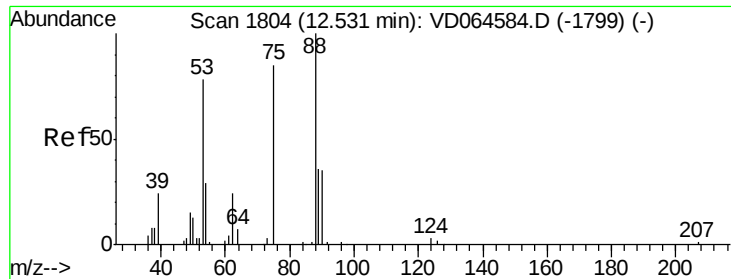
105 100

120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.97 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

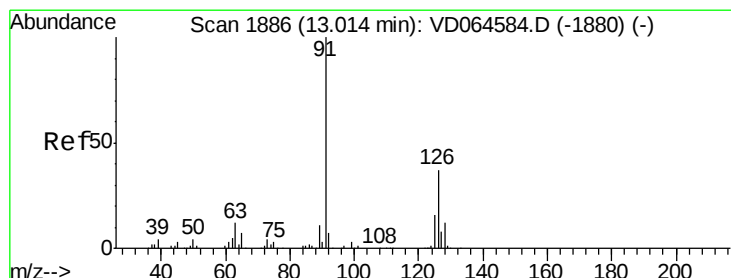
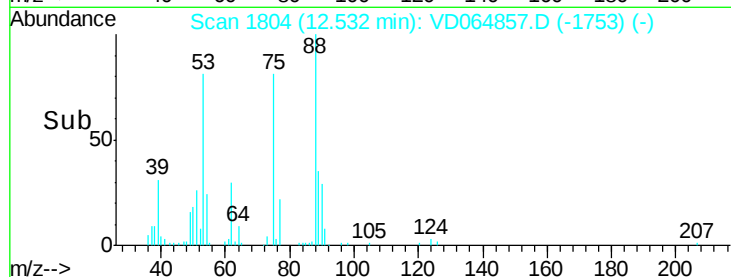
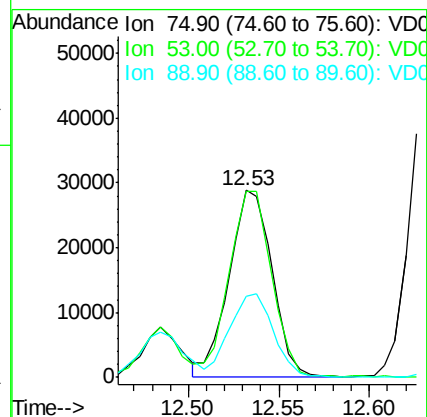
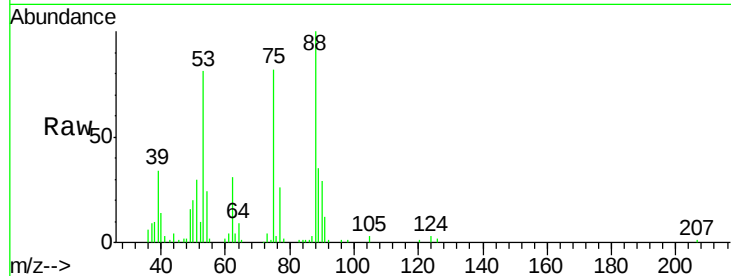
Tgt Ion: 75 Resp: 47762

Ion Ratio Lower Upper

75 100

53 98.9 78.8 118.2

89 45.3 38.3 57.5



#82

4-Chlorotoluene

Concen: 51.85 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064857.D

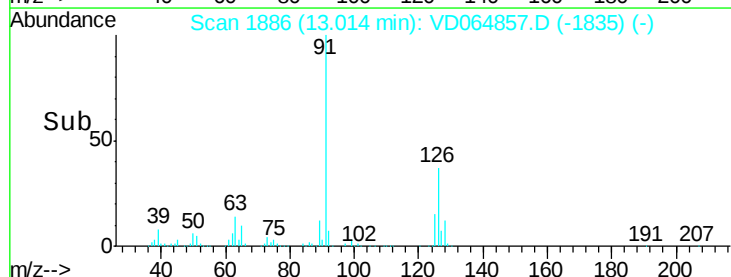
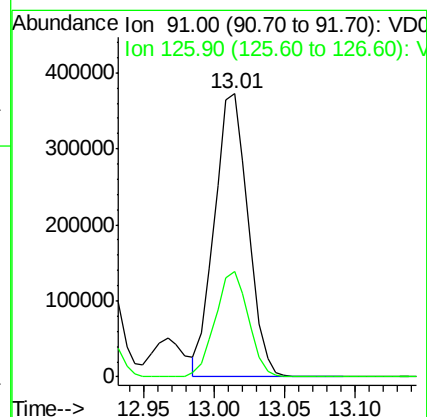
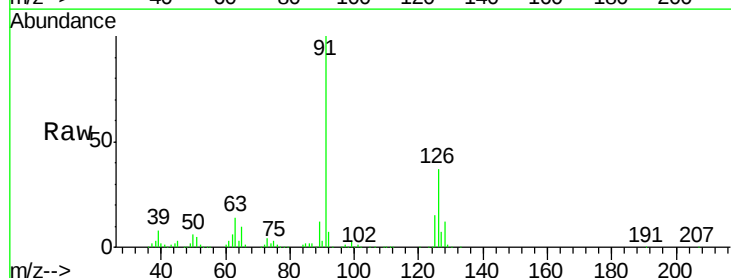
Acq: 17 Jan 2020 12:17

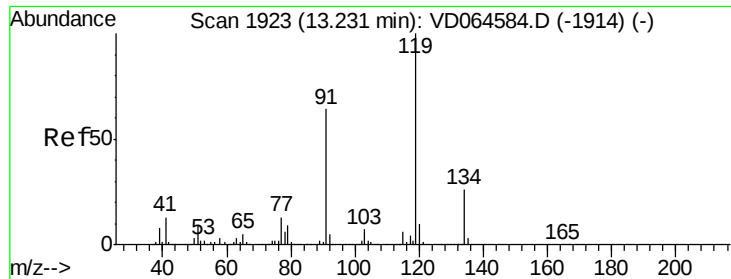
Tgt Ion: 91 Resp: 615071

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.5

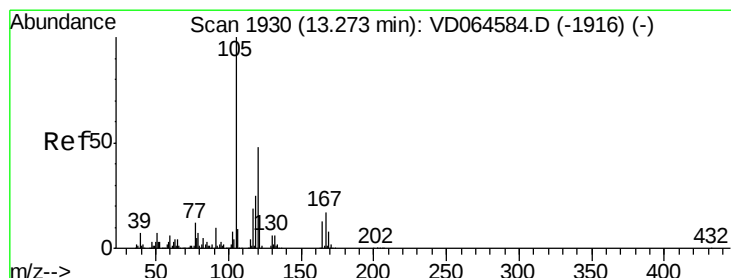
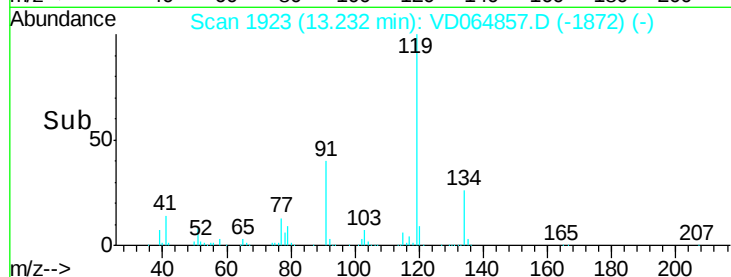
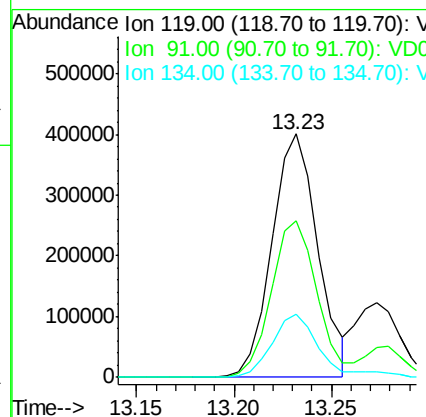
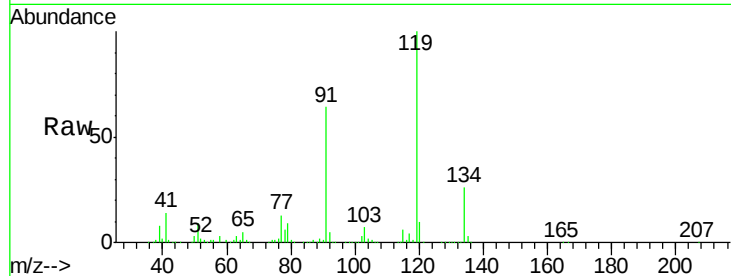




#83
 tert-Butylbenzene
 Concen: 52.58 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

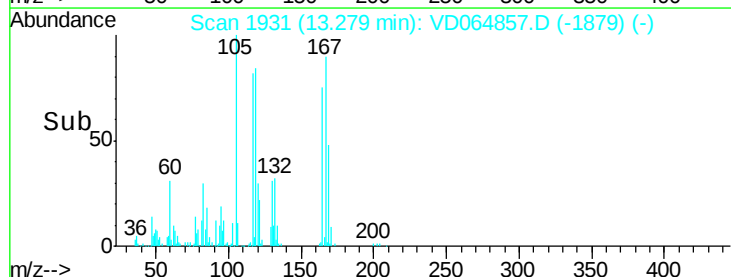
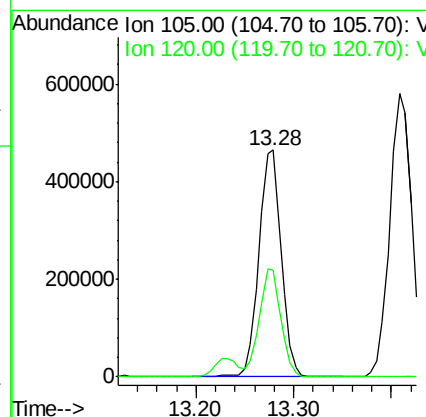
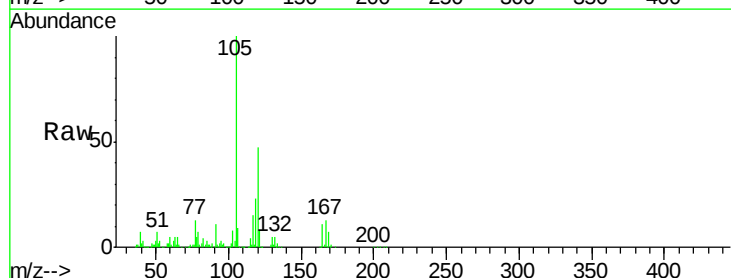
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

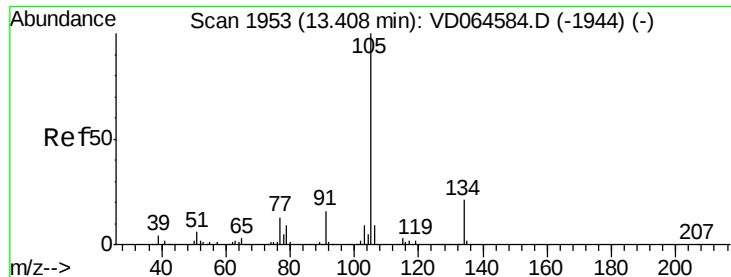
Tgt Ion:119 Resp: 652331
 Ion Ratio Lower Upper
 119 100
 91 64.5 30.8 92.4
 134 27.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.97 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion:105 Resp: 753845
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.8 71.2

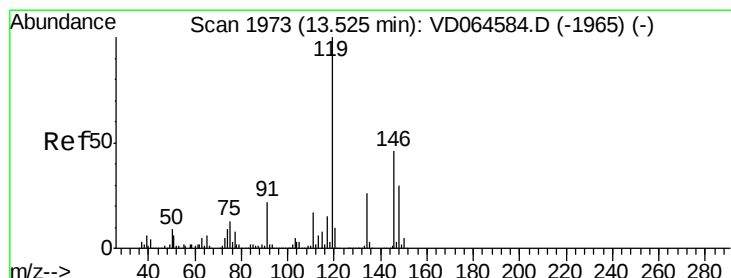
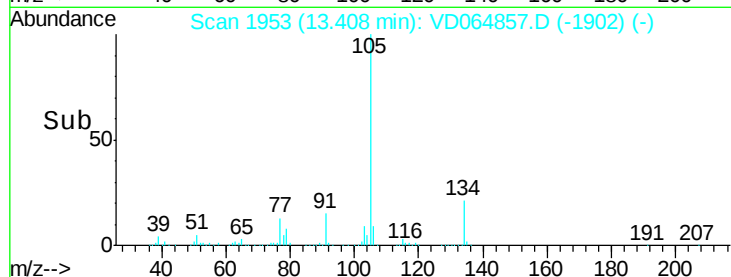
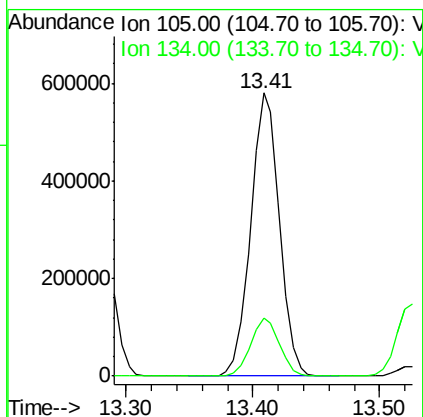
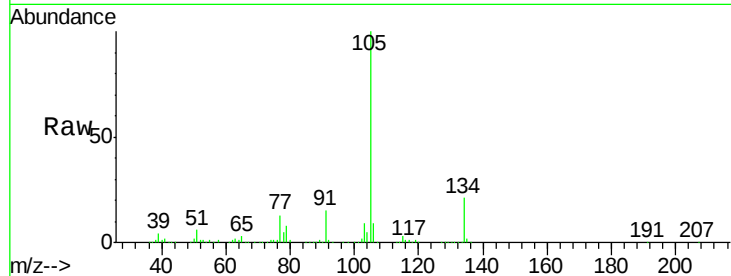




#85
 sec-Butylbenzene
 Concen: 53.64 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

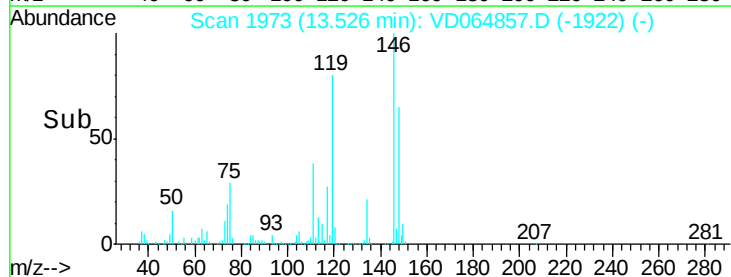
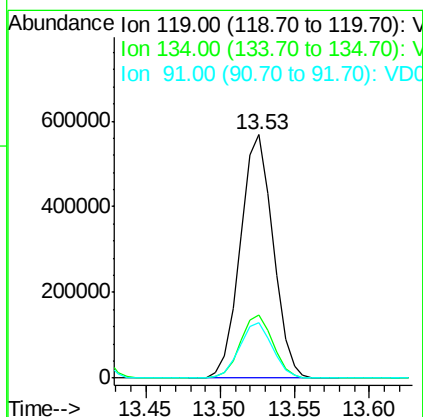
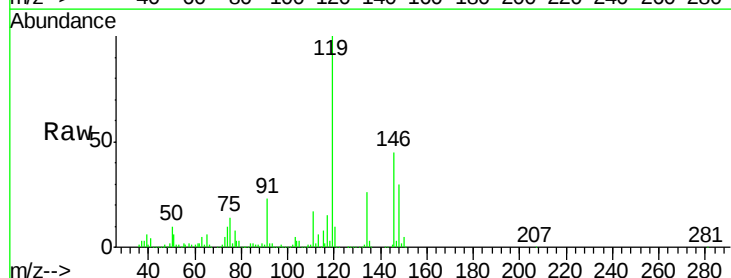
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

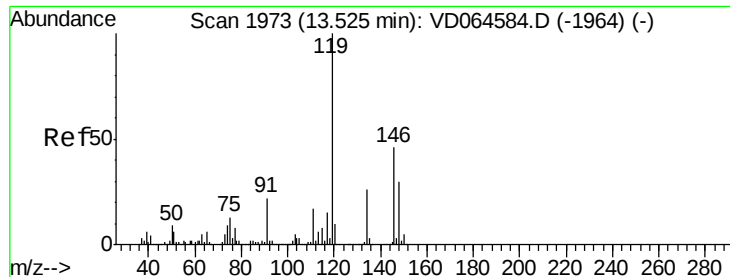
Tgt Ion:105 Resp: 912430
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 53.03 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion:119 Resp: 862444
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.4 40.1
 91 22.8 11.2 33.6

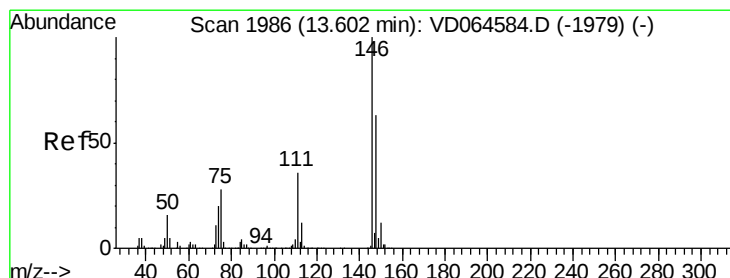
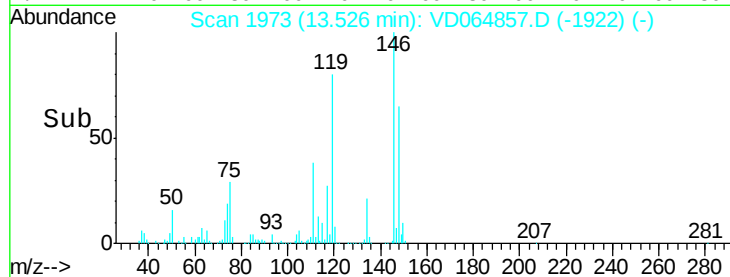
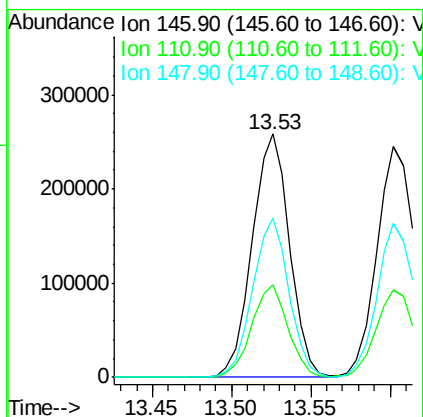
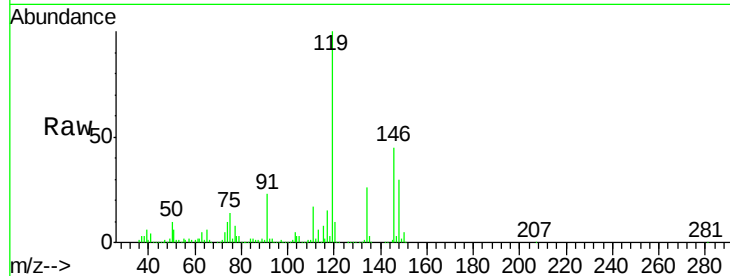




#87
 1,3-Dichlorobenzene
 Concen: 51.89 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

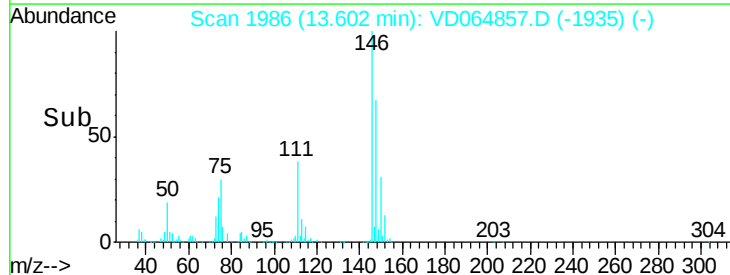
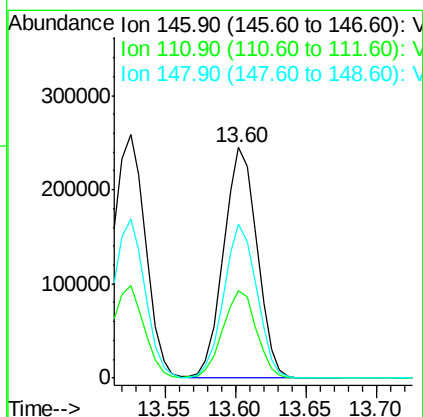
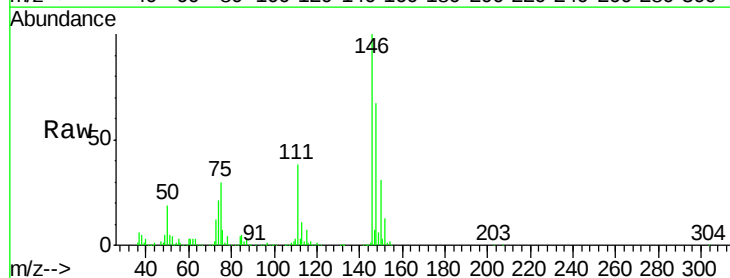
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

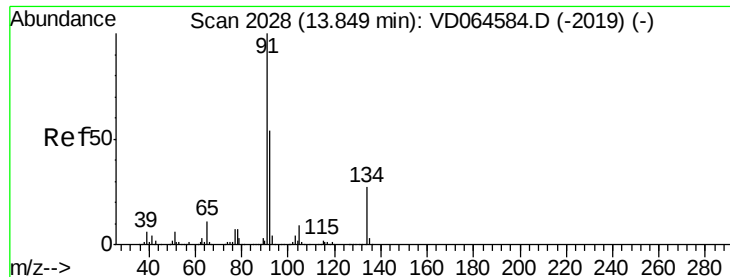
Tgt Ion:146 Resp: 422836
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 63.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.55 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion:146 Resp: 404633
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.1 54.1
 148 65.6 32.3 96.9





#89

n-Butylbenzene

Concen: 52.76 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

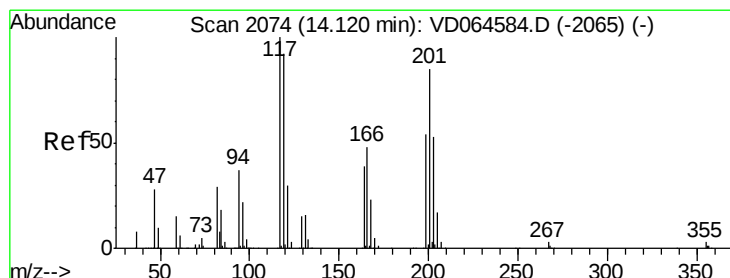
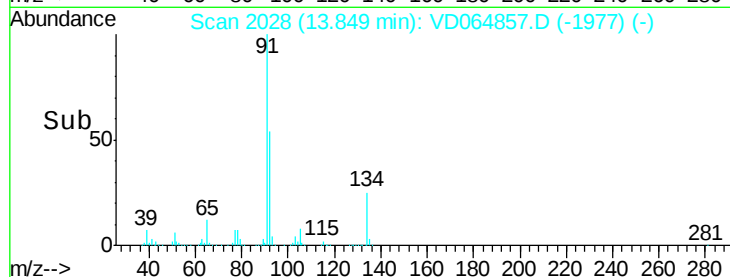
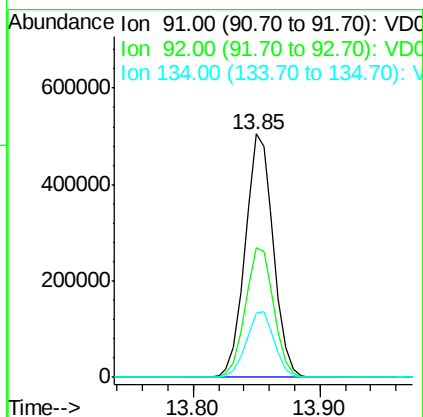
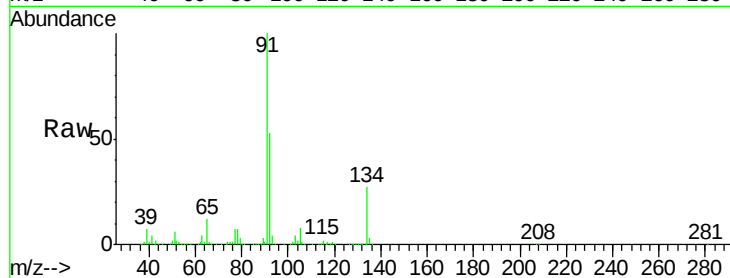
Tgt Ion: 91 Resp: 772710

Ion Ratio Lower Upper

91 100

92 53.8 26.8 80.4

134 27.1 14.0 41.9



#90

Hexachloroethane

Concen: 52.95 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064857.D

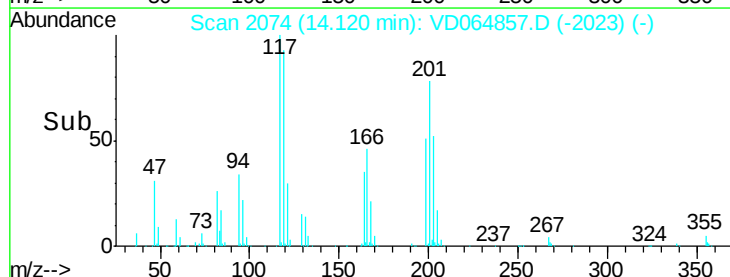
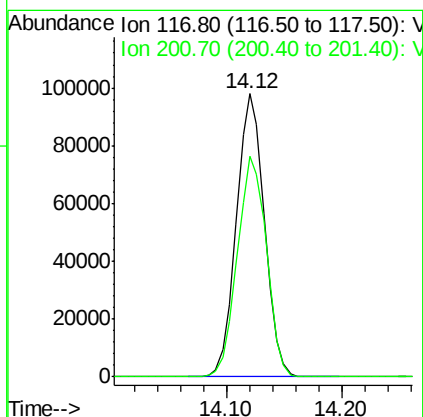
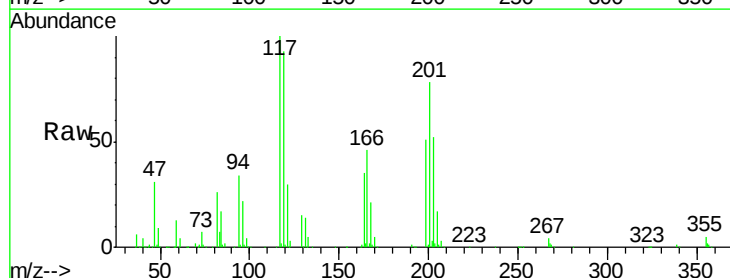
Acq: 17 Jan 2020 12:17

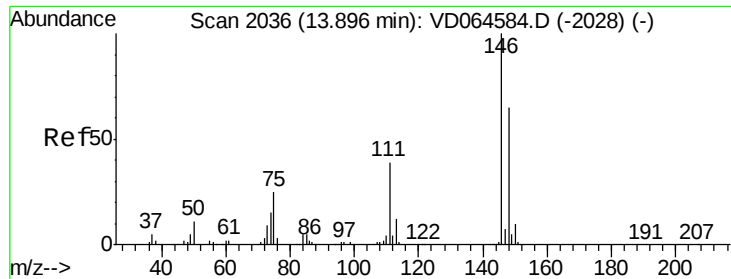
Tgt Ion: 117 Resp: 164508

Ion Ratio Lower Upper

117 100

201 81.2 44.0 131.8

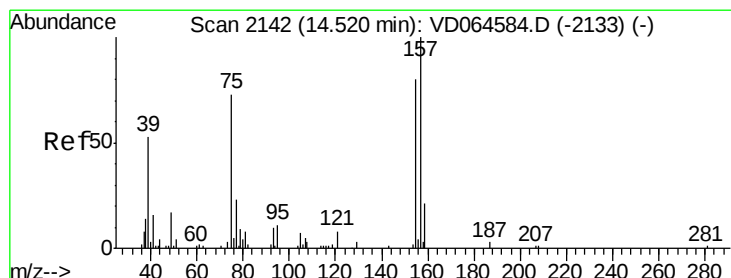
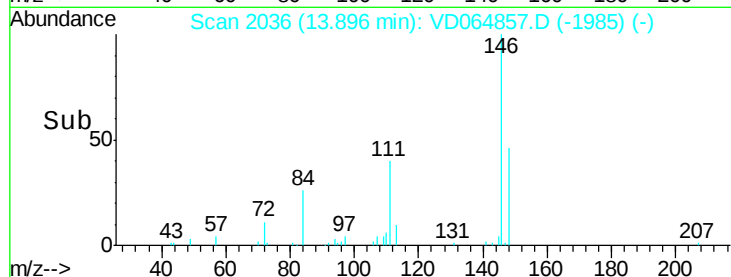
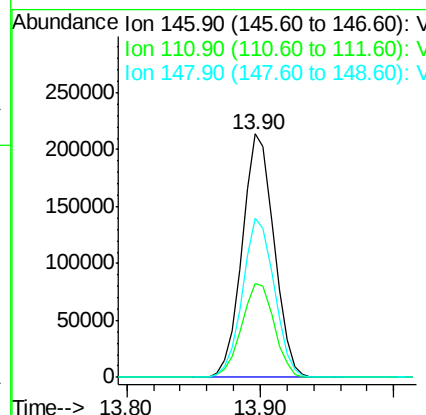
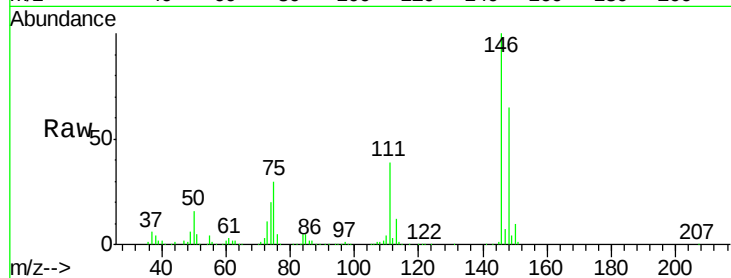




#91
 1,2-Dichlorobenzene
 Concen: 50.79 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

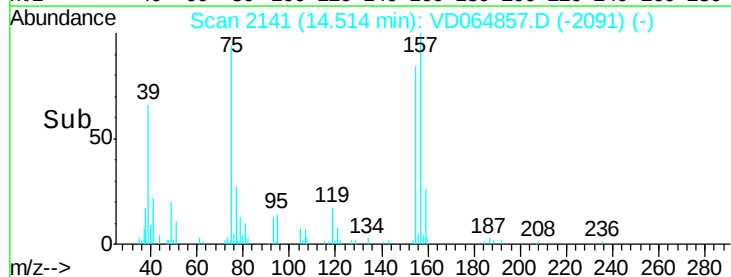
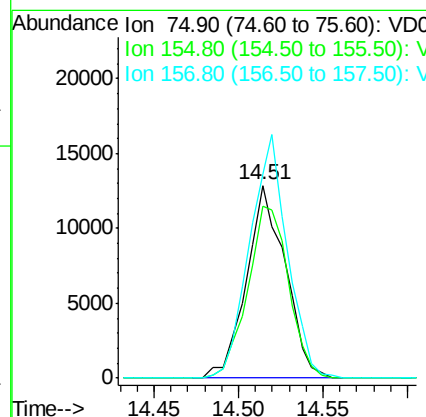
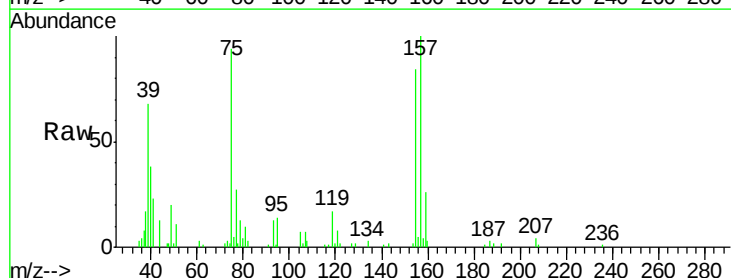
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 352916
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.3 57.9
 148 65.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.55 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion: 75 Resp: 20621
 Ion Ratio Lower Upper
 75 100
 155 93.6 48.0 144.0
 157 122.5 64.1 192.3

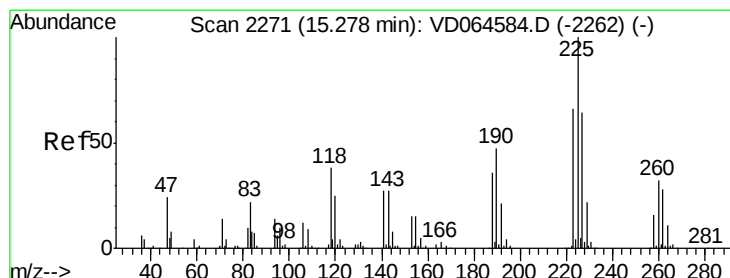
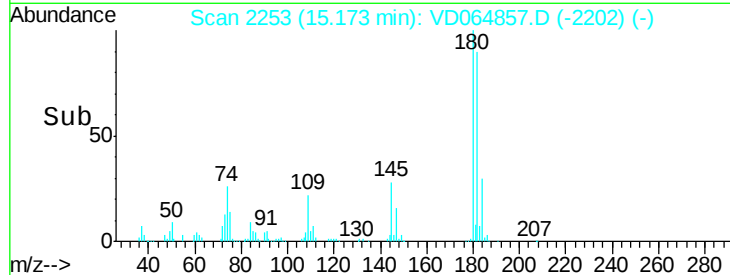
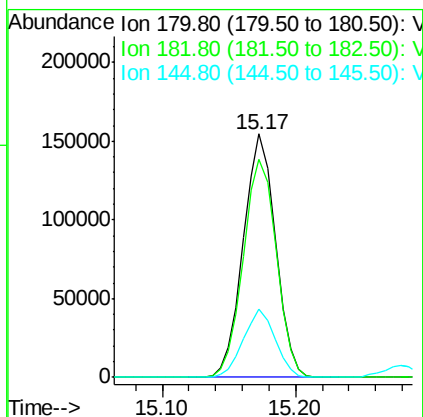
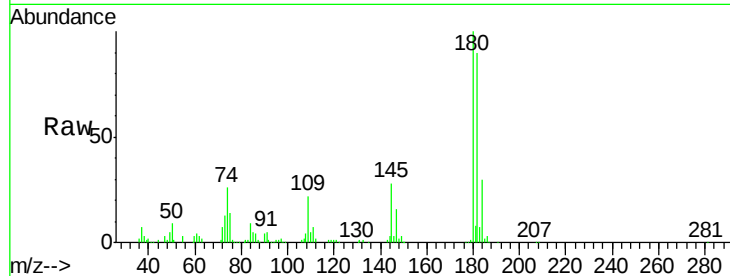




#93
 1,2,4-Trichlorobenzene
 Concen: 50.38 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

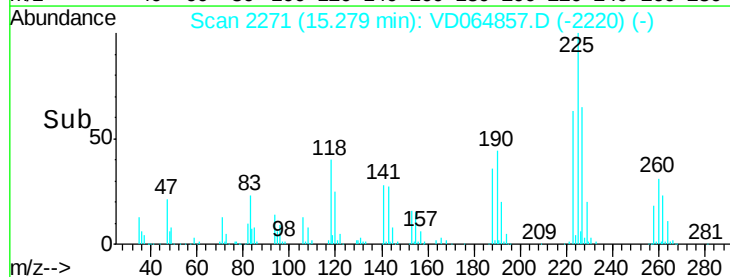
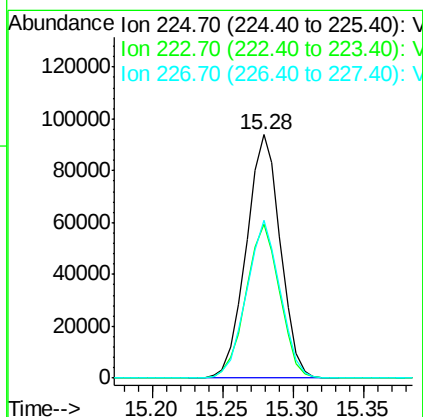
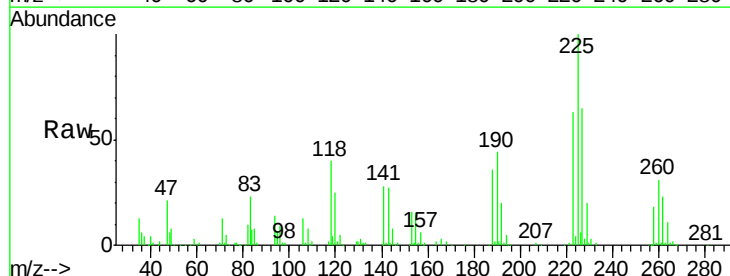
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 257750
 Ion Ratio Lower Upper
 180 100
 182 92.4 48.0 144.2
 145 27.6 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 49.40 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064857.D
 Acq: 17 Jan 2020 12:17

Tgt Ion:225 Resp: 159022
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.2
 227 63.6 30.9 92.7





#95

Naphthalene

Concen: 48.42 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

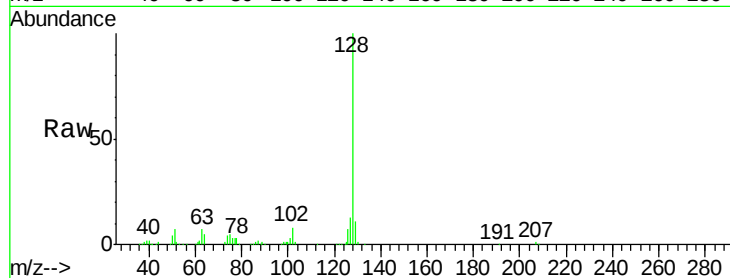
Tgt Ion:128 Resp: 391912

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

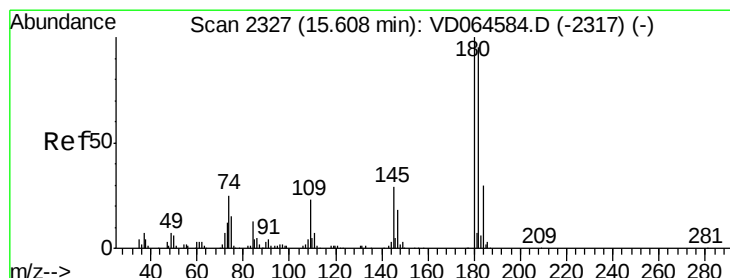
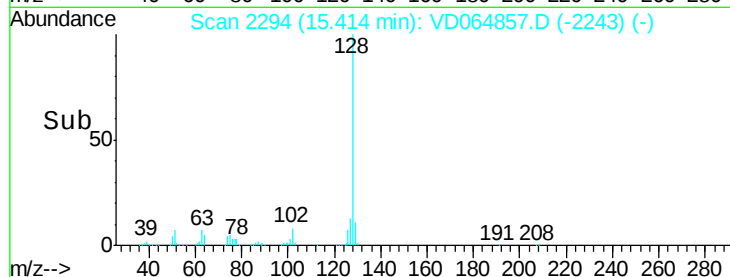
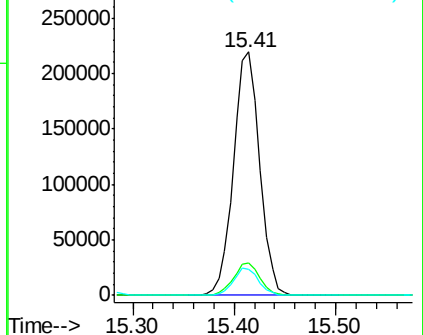
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.42 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064857.D

Acq: 17 Jan 2020 12:17

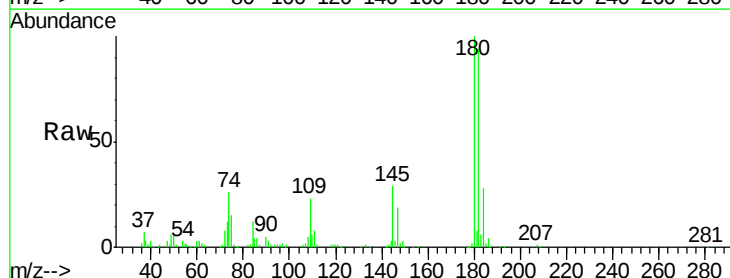
Tgt Ion:180 Resp: 215828

Ion Ratio Lower Upper

180 100

182 92.9 47.9 143.7

145 29.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

