

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064861.D
 Acq On : 17 Jan 2020 14:18
 Operator : VA/SY
 Sample : VD0117SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Quant Time: Jan 17 22:51:56 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	373356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	538312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	237778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	166878	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.92	113	159846	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.34	98	584379	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.64	95	192638	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56999	19.64	ug/l	99
3) Chloromethane	2.21	50	86420	21.30	ug/l	97
4) Vinyl Chloride	2.35	62	99131	20.04	ug/l	99
5) Bromomethane	2.76	94	70544	19.61	ug/l	92
6) Chloroethane	2.92	64	68195	20.57	ug/l	96
7) Trichlorofluoromethane	3.27	101	163288	19.60	ug/l	100
8) Diethyl Ether	3.71	74	38817	23.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	76670	22.22	ug/l	97
10) Methyl Iodide	4.30	142	76437	20.63	ug/l	99
11) Tert butyl alcohol	5.25	59	24923	132.09	ug/l	100
12) 1,1-Dichloroethene	4.06	96	70125	21.35	ug/l	93
13) Acrolein	3.93	56	20677	78.63	ug/l	100
14) Allyl chloride	4.71	41	111145	21.70	ug/l	99
15) Acrylonitrile	5.44	53	81345	118.05	ug/l	99
16) Acetone	4.17	43	82562	113.96	ug/l	97
17) Carbon Disulfide	4.40	76	217859	20.51	ug/l	97
18) Methyl Acetate	4.73	43	43039	23.22	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	170105	23.32	ug/l	99
20) Methylene Chloride	4.97	84	96117	26.22	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	81058	21.67	ug/l	93
22) Diisopropyl ether	6.37	45	237632	23.26	ug/l	97
23) Vinyl Acetate	6.31	43	665668	114.88	ug/l	99
24) 1,1-Dichloroethane	6.27	63	143585	23.41	ug/l	97
25) 2-Butanone	7.22	43	108676	120.09	ug/l	98
26) 2,2-Dichloropropane	7.21	77	132006	23.15	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	91042	22.55	ug/l	98
28) Bromochloromethane	7.55	49	53932	22.62	ug/l	95
29) Tetrahydrofuran	7.57	42	66299	117.81	ug/l	98
30) Chloroform	7.71	83	149767	23.28	ug/l	99
31) Cyclohexane	7.98	56	131083	21.35	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	136198	22.54	ug/l	100
36) 1,1-Dichloropropene	8.11	75	115498	22.29	ug/l	98
37) Ethyl Acetate	7.30	43	47862	23.51	ug/l #	94
38) Carbon Tetrachloride	8.10	117	121856	22.06	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064861.D
 Acq On : 17 Jan 2020 14:18
 Operator : VA/SY
 Sample : VD0117SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Quant Time: Jan 17 22:51:56 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	132664	21.14	ug/l	98
40) Benzene	8.36	78	317031	22.41	ug/l	99
41) Methacrylonitrile	7.54	41	25113	21.26	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	99763	24.41	ug/l	99
43) Isopropyl Acetate	8.46	43	92512	22.83	ug/l	99
44) Trichloroethene	9.12	130	92164	22.18	ug/l	92
45) 1,2-Dichloropropane	9.39	63	79993	23.69	ug/l	98
46) Dibromomethane	9.48	93	43736	23.23	ug/l	98
47) Bromodichloromethane	9.67	83	116067	23.17	ug/l	100
48) Methyl methacrylate	9.46	41	44191	23.17	ug/l	94
49) 1,4-Dioxane	9.47	88	10216	470.55	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	233380	116.54	ug/l	99
52) Toluene	10.41	92	207090	22.32	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	107931	23.11	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	127614	23.17	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	60393	23.80	ug/l	98
56) Ethyl methacrylate	10.67	69	70009	22.09	ug/l	96
57) 1,3-Dichloropropane	10.95	76	100729	23.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	151230	125.26	ug/l	99
59) 2-Hexanone	10.99	43	162406	119.49	ug/l	96
60) Dibromochloromethane	11.14	129	78184	22.28	ug/l	98
61) 1,2-Dibromoethane	11.26	107	55224	22.07	ug/l	97
64) Tetrachloroethene	10.88	164	77923	21.24	ug/l	98
65) Chlorobenzene	11.68	112	222787	22.45	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	85632	22.89	ug/l	97
67) Ethyl Benzene	11.75	91	387079	21.49	ug/l	100
68) m/p-Xylenes	11.86	106	297579	42.80	ug/l	99
69) o-Xylene	12.18	106	135675	21.61	ug/l	99
70) Styrene	12.20	104	241182	21.88	ug/l	98
71) Bromoform	12.37	173	48138	22.56	ug/l #	98
73) Isopropylbenzene	12.48	105	365383	21.50	ug/l	98
74) N-amyl acetate	12.30	43	83381	22.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61451	23.02	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	80792	43.03	ug/l #	100
77) Bromobenzene	12.77	156	91099	21.82	ug/l	97
78) n-propylbenzene	12.83	91	433508	21.87	ug/l	99
79) 2-Chlorotoluene	12.91	91	237329	21.79	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	305289	21.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21303	23.73	ug/l	97
82) 4-Chlorotoluene	13.01	91	252061	21.75	ug/l	100
83) tert-Butylbenzene	13.23	119	252575	20.84	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	303870	21.86	ug/l	97
85) sec-Butylbenzene	13.41	105	354631	21.34	ug/l	100
86) p-Isopropyltoluene	13.53	119	332858	20.95	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	172238	21.64	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	171926	21.99	ug/l	98
89) n-Butylbenzene	13.85	91	299191	20.91	ug/l	99
90) Hexachloroethane	14.12	117	65788	21.68	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	148109	21.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10167	23.50	ug/l	85

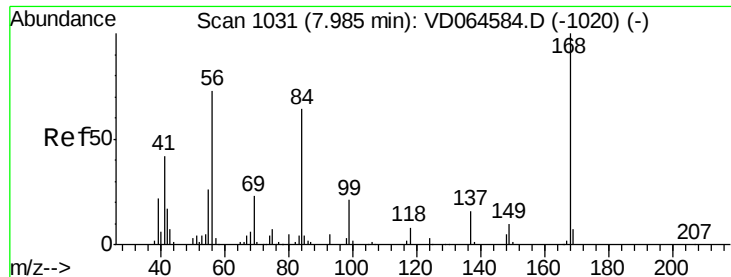
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
Data File : VD064861.D
Acq On : 17 Jan 2020 14:18
Operator : VA/SY
Sample : VD0117SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Quant Time: Jan 17 22:51:56 2020
Quant Method : Z:\V0ASRV\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	107500	21.51	ug/l	99
94) Hexachlorobutadiene	15.28	225	61925	19.69	ug/l	95
95) Naphthalene	15.41	128	170653	21.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	90519	21.22	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

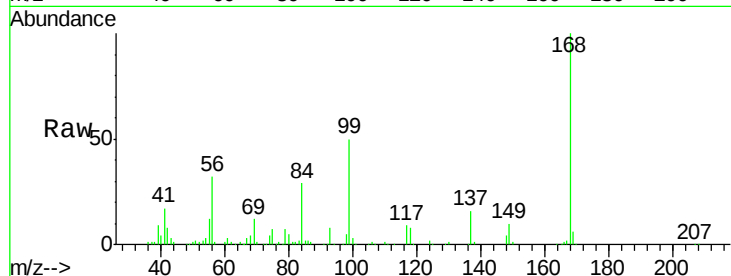
VD0117SBS01

Tgt Ion:168 Resp: 373356

Ion Ratio Lower Upper

168 100

99 50.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

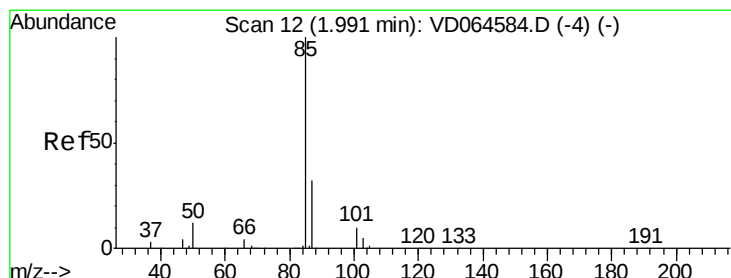
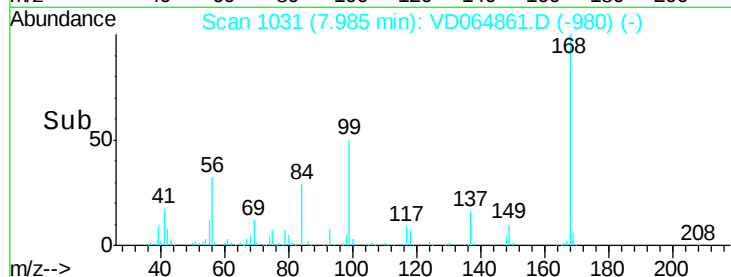
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.64 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064861.D

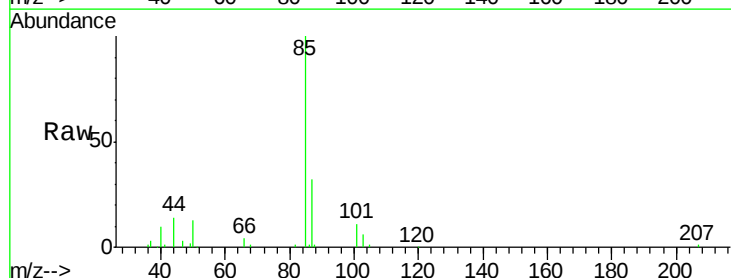
Acq: 17 Jan 2020 14:18

Tgt Ion: 85 Resp: 56999

Ion Ratio Lower Upper

85 100

87 31.7 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

40000

30000

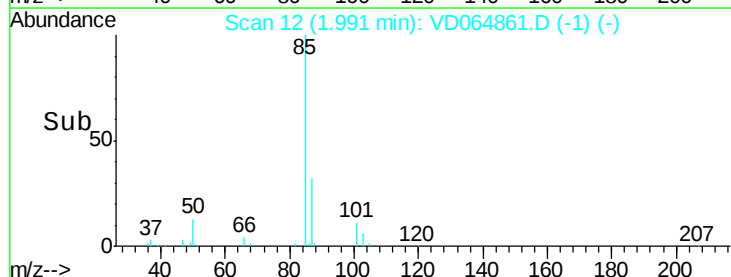
20000

10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.30 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

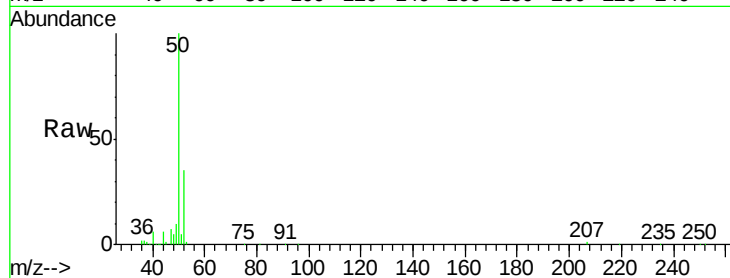
VD0117SBS01

Tgt Ion: 50 Resp: 86420

Ion Ratio Lower Upper

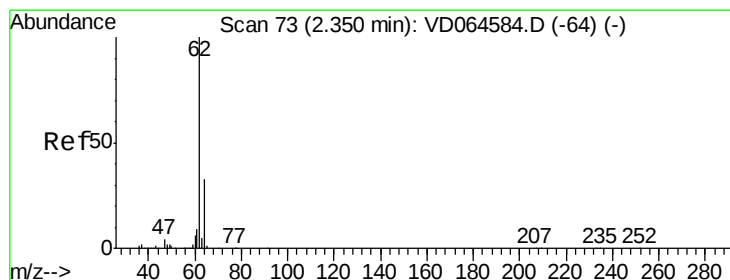
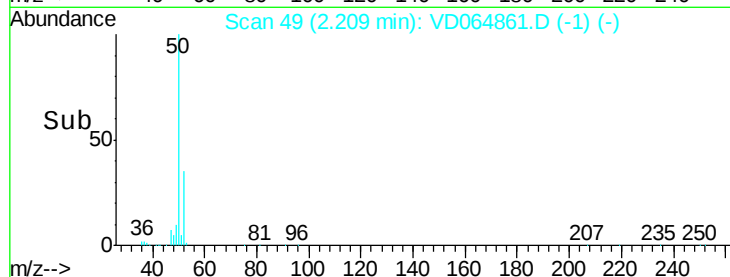
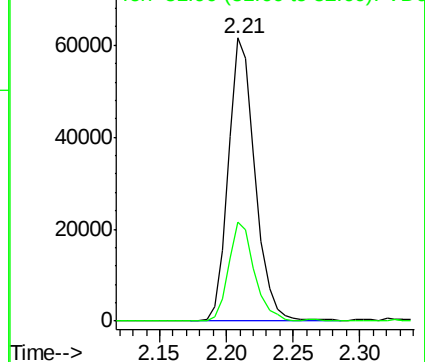
50 100

52 35.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.04 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064861.D

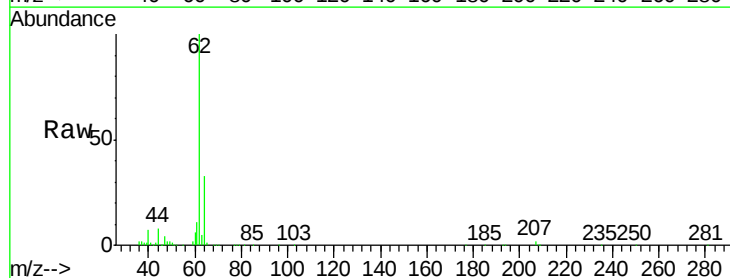
Acq: 17 Jan 2020 14:18

Tgt Ion: 62 Resp: 99131

Ion Ratio Lower Upper

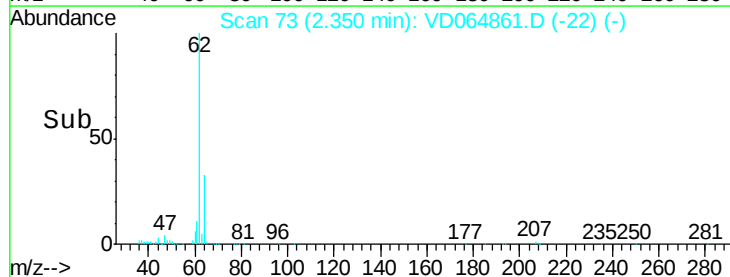
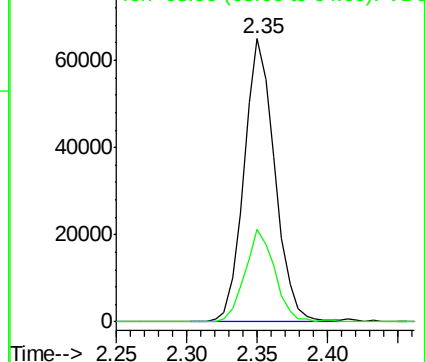
62 100

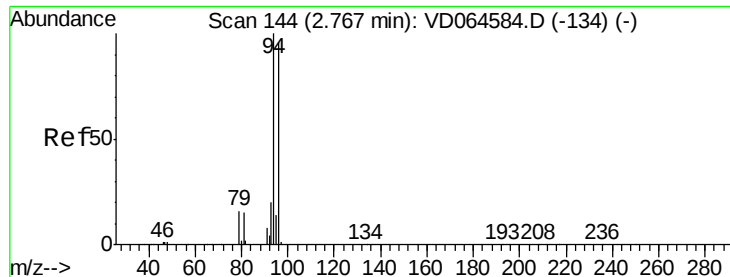
64 32.6 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.61 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

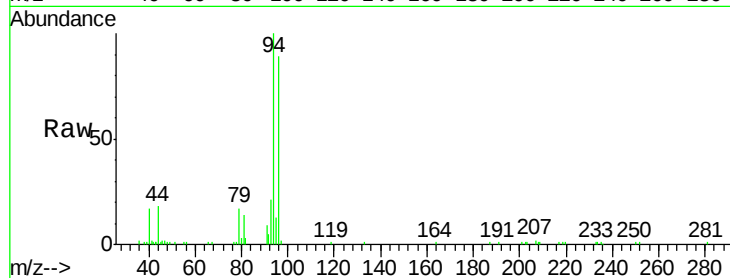
VD0117SBS01

Tgt Ion: 94 Resp: 70544

Ion Ratio Lower Upper

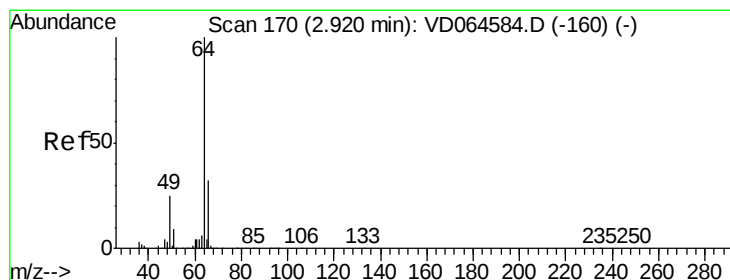
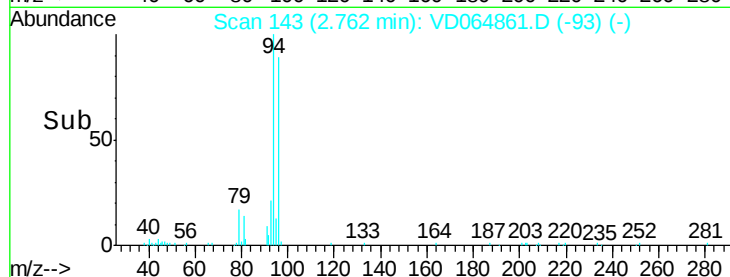
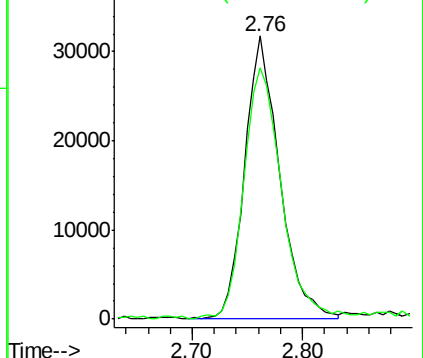
94 100

96 89.0 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.57 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064861.D

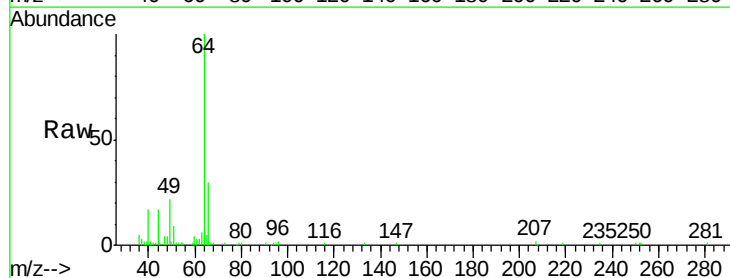
Acq: 17 Jan 2020 14:18

Tgt Ion: 64 Resp: 68195

Ion Ratio Lower Upper

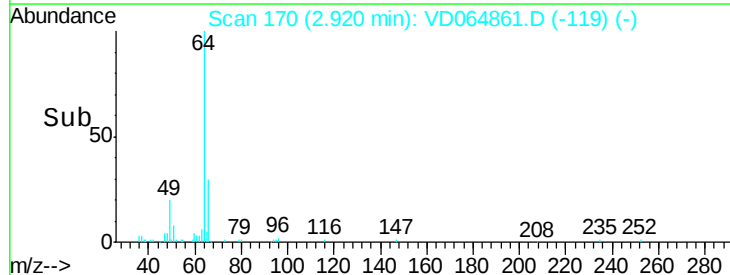
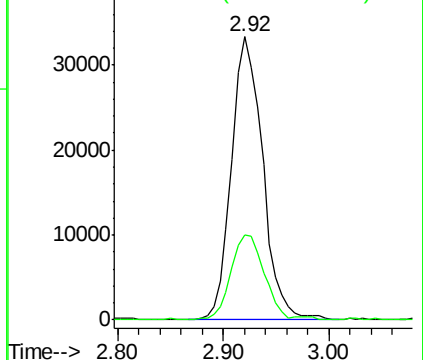
64 100

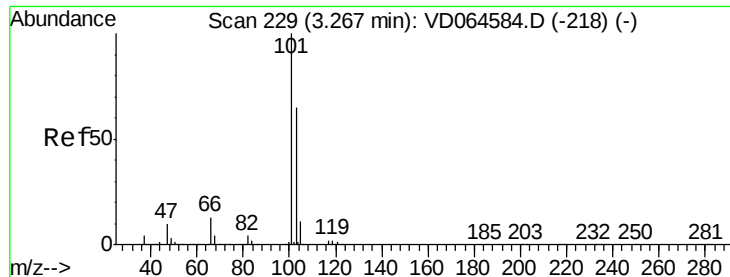
66 30.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



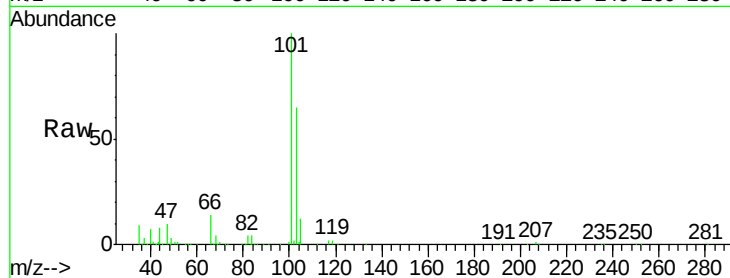


#7

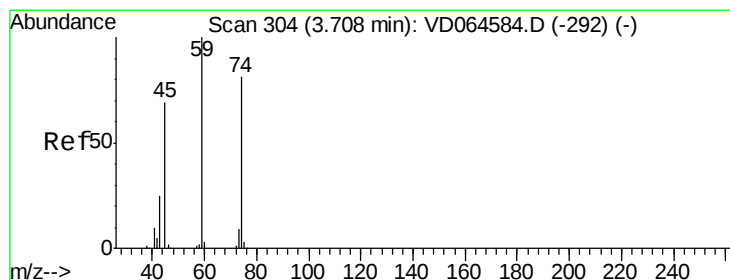
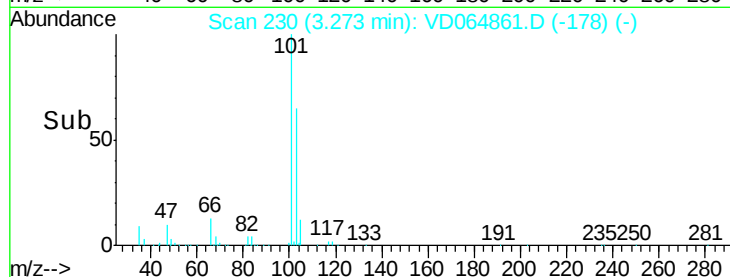
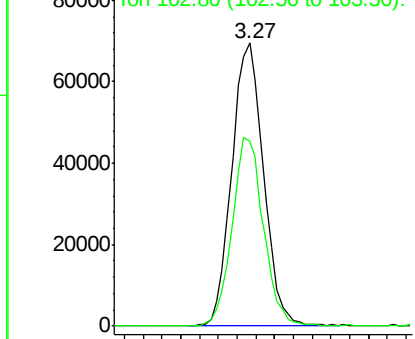
Trichlorofluoromethane
 Concen: 19.60 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tgt Ion:101 Resp: 163288
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4



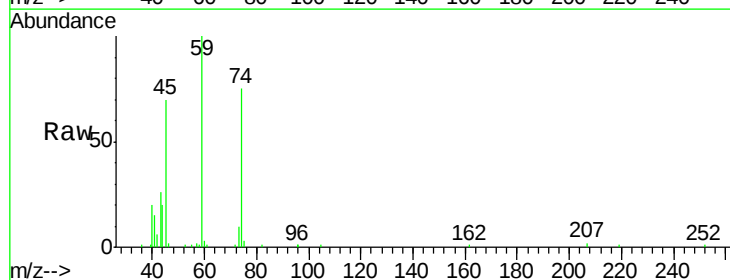
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



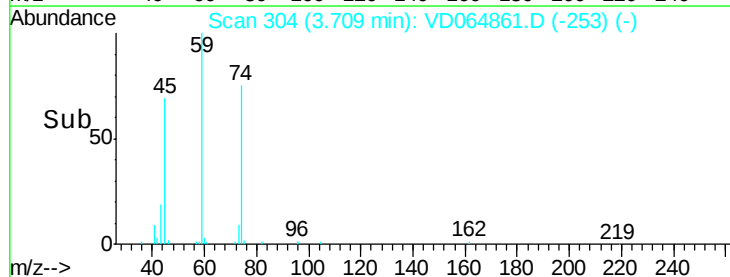
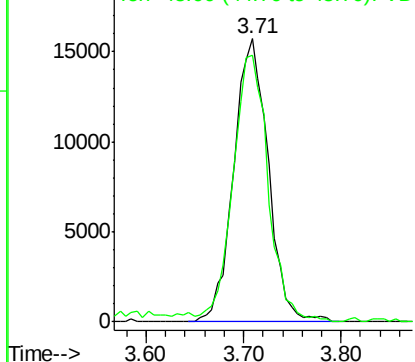
#8

Diethyl Ether
 Concen: 23.46 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 74 Resp: 38817
 Ion Ratio Lower Upper
 74 100
 45 96.3 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.22 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

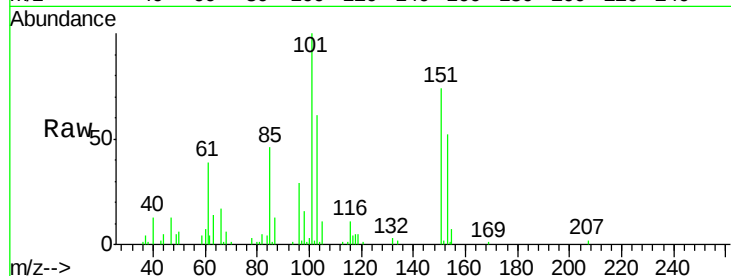
Tgt Ion:101 Resp: 76670

Ion Ratio Lower Upper

101 100

85 45.3 35.2 52.8

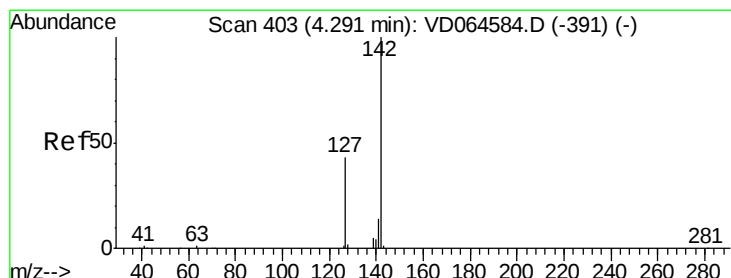
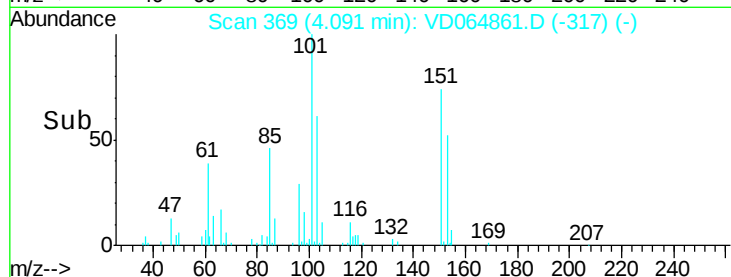
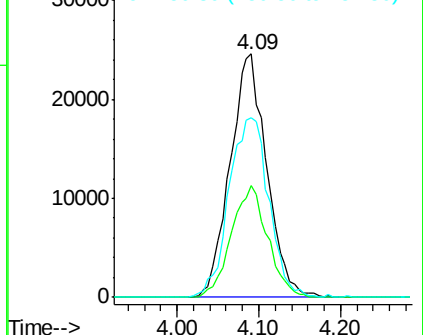
151 80.2 66.2 99.4



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: 20.63 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

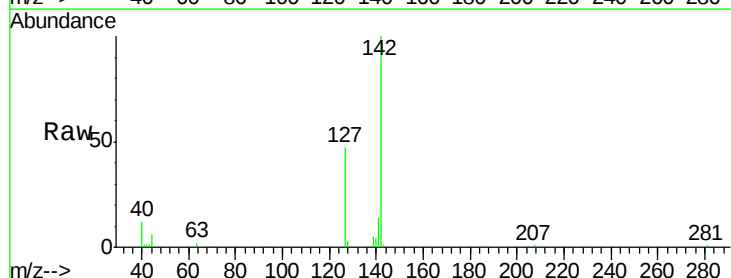
Tgt Ion:142 Resp: 76437

Ion Ratio Lower Upper

142 100

127 45.4 36.2 54.4

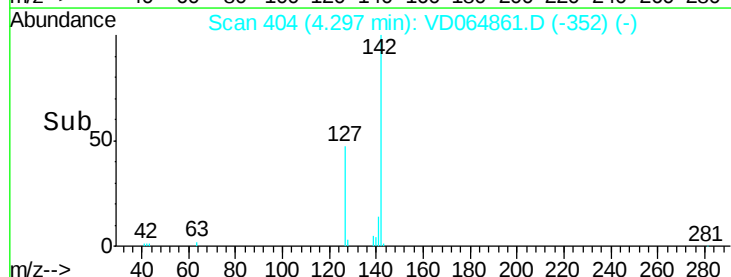
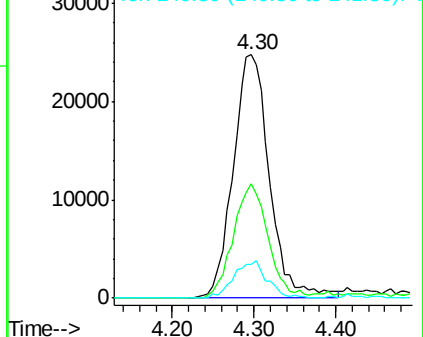
141 13.9 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



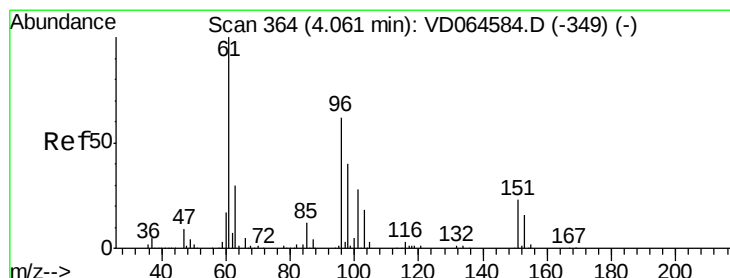
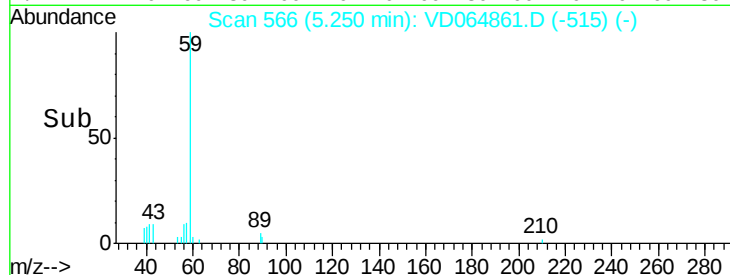
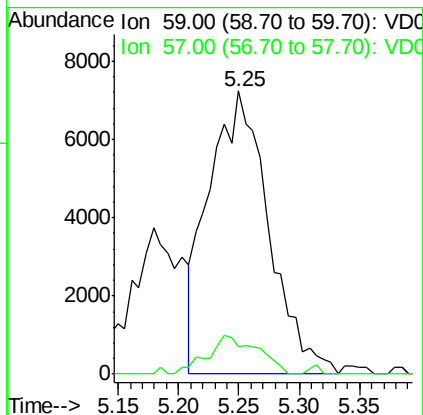
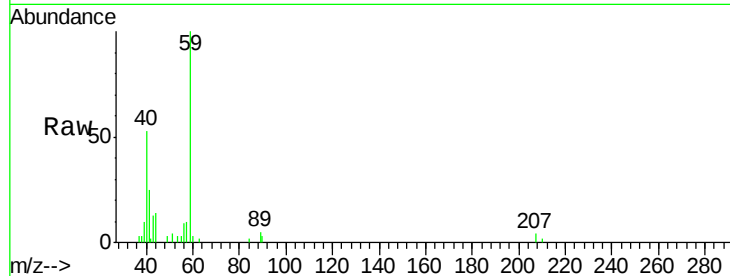


#11

Tert butyl alcohol
Concen: 132.09 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

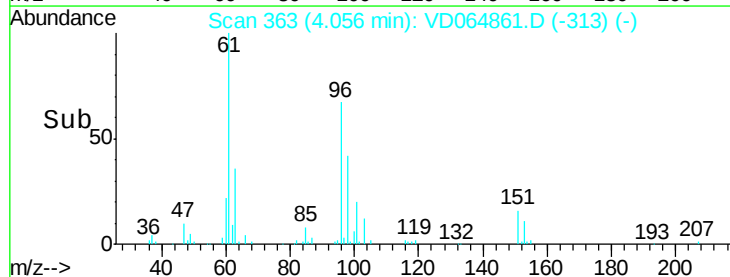
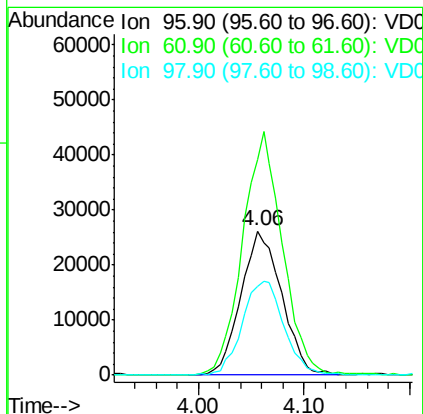
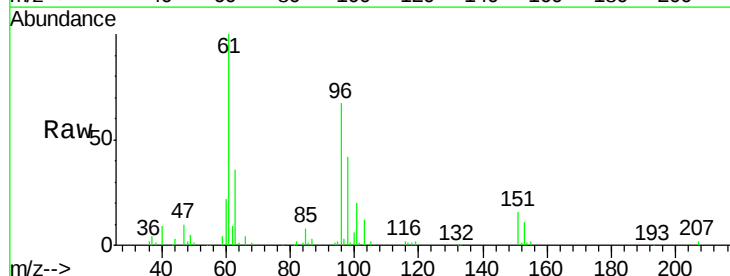
Tgt Ion: 59 Resp: 24923
Ion Ratio Lower Upper
59 100
57 11.4 9.3 13.9

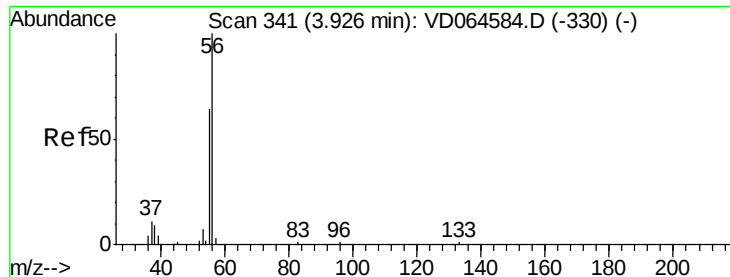


#12

1,1-Dichloroethene
Concen: 21.35 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 96 Resp: 70125
Ion Ratio Lower Upper
96 100
61 149.4 129.4 194.0
98 62.0 51.4 77.0





#13

Acrolein

Concen: 78.63 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

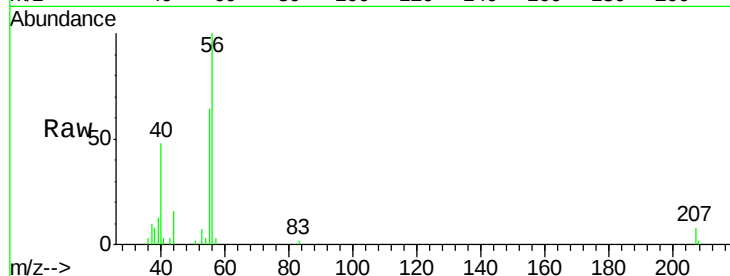
VD0117SBS01

Tgt Ion: 56 Resp: 20677

Ion Ratio Lower Upper

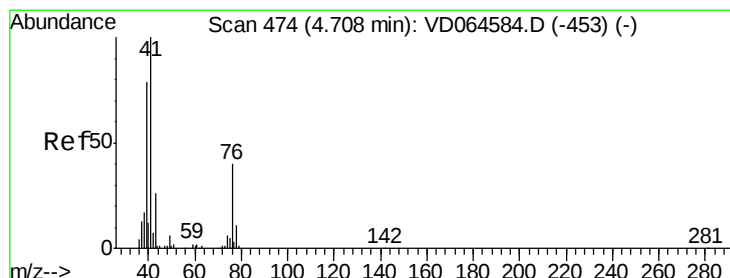
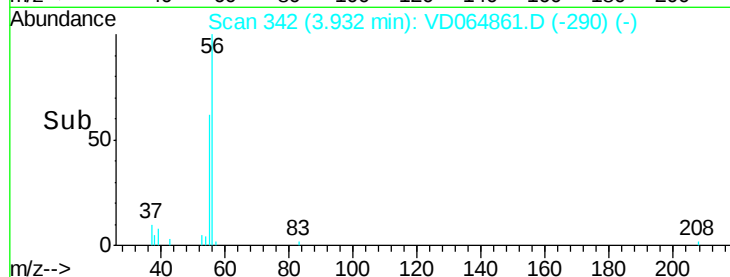
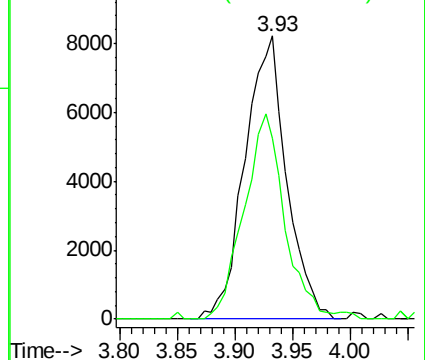
56 100

55 70.6 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: 21.70 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

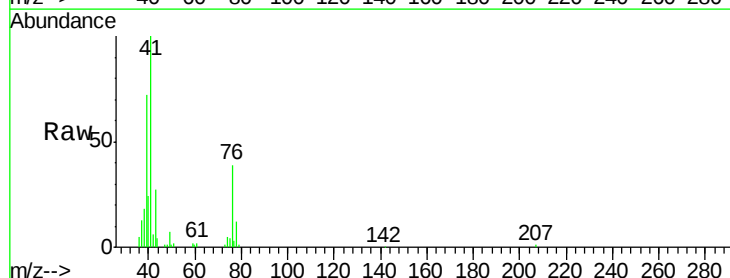
Tgt Ion: 41 Resp: 111145

Ion Ratio Lower Upper

41 100

39 78.1 62.3 93.5

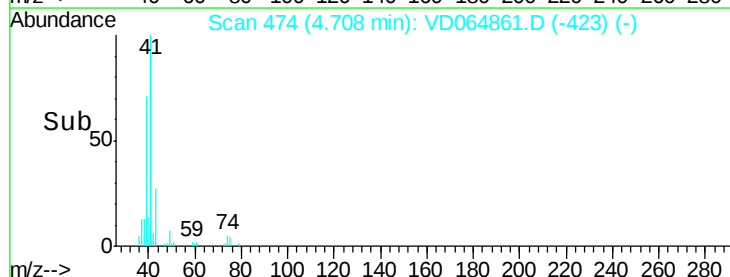
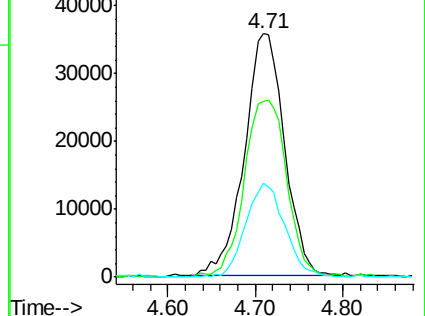
76 38.0 29.7 44.5

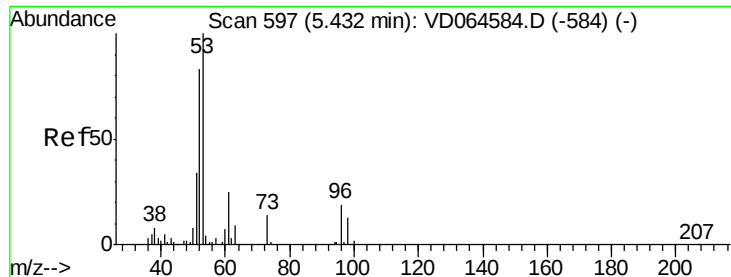


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 118.05 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

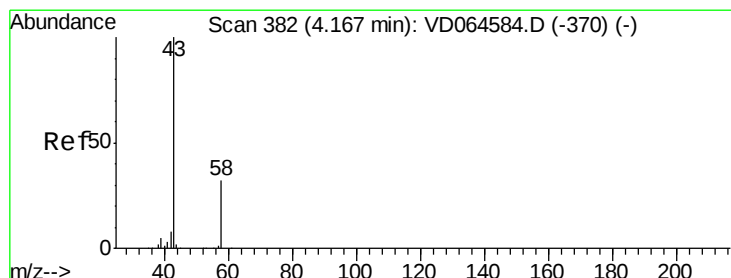
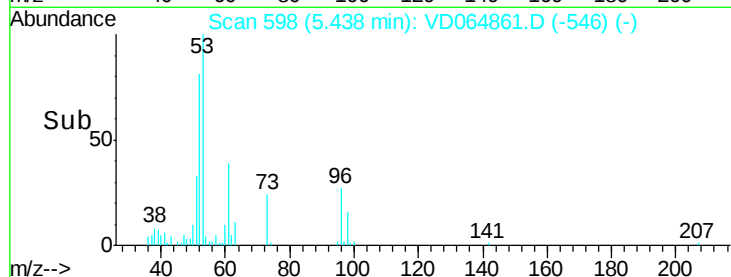
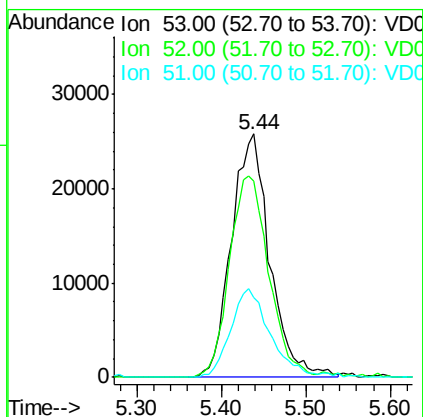
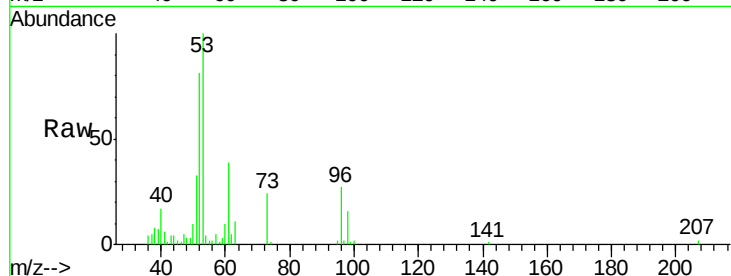
Tgt Ion: 53 Resp: 81345

Ion Ratio Lower Upper

53 100

52 84.4 66.2 99.2

51 37.7 30.1 45.1



#16

Acetone

Concen: 113.96 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064861.D

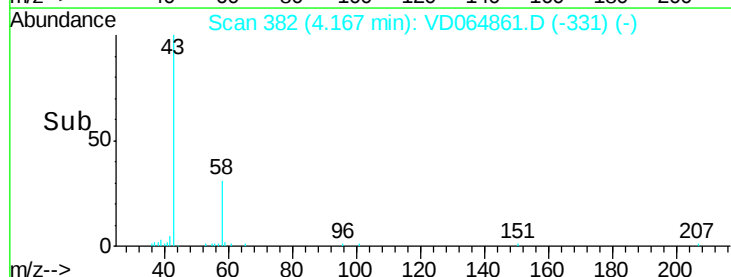
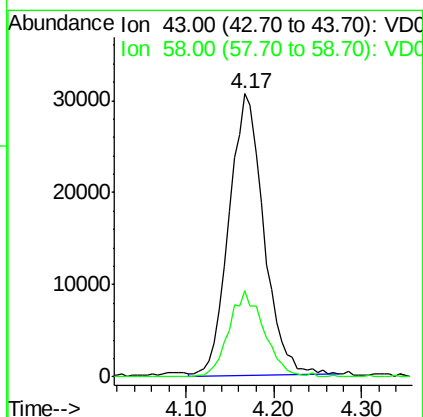
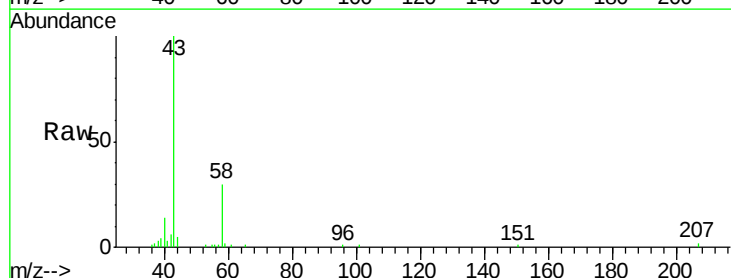
Acq: 17 Jan 2020 14:18

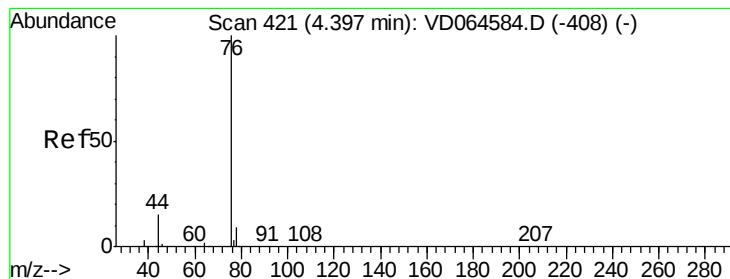
Tgt Ion: 43 Resp: 82562

Ion Ratio Lower Upper

43 100

58 30.7 25.8 38.6





#17

Carbon Disulfide

Concen: 20.51 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

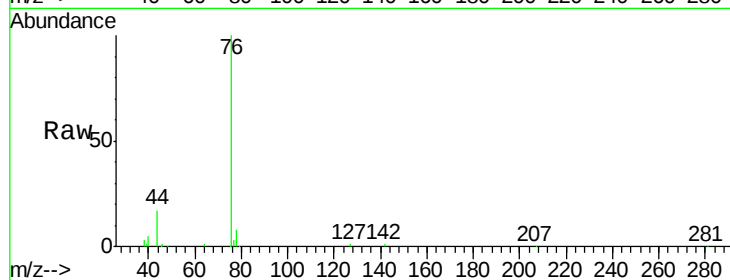
VD0117SBS01

Tgt Ion: 76 Resp: 217859

Ion Ratio Lower Upper

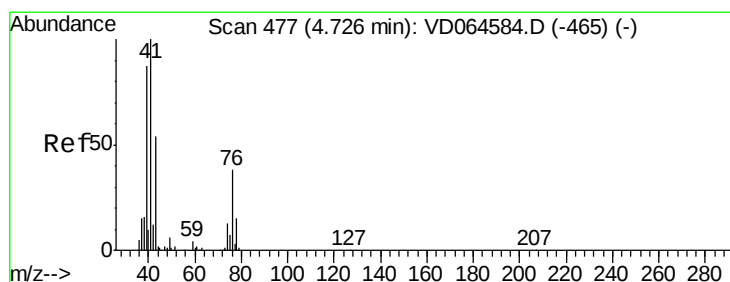
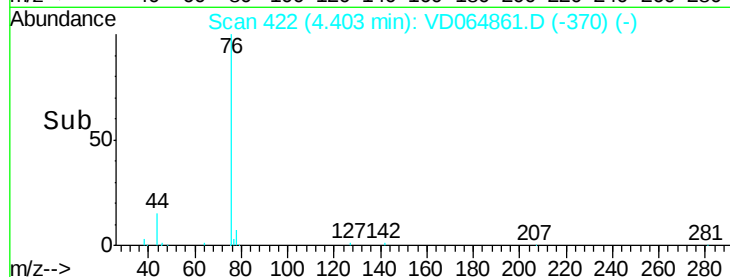
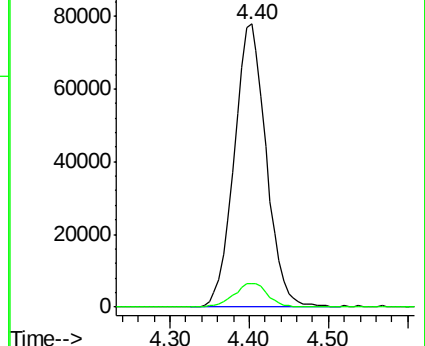
76 100

78 8.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.22 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064861.D

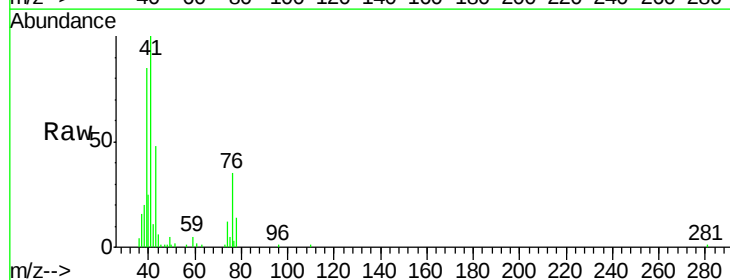
Acq: 17 Jan 2020 14:18

Tgt Ion: 43 Resp: 43039

Ion Ratio Lower Upper

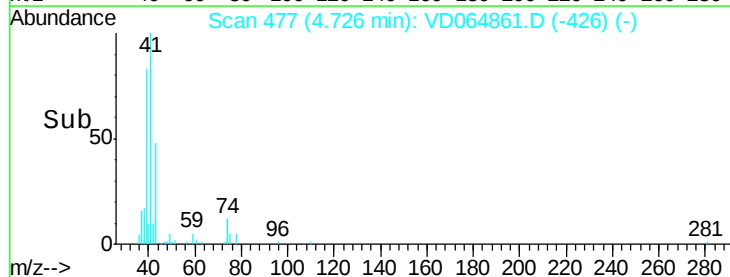
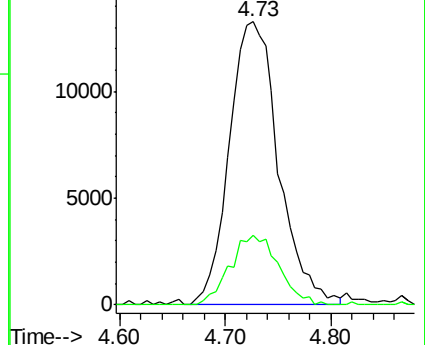
43 100

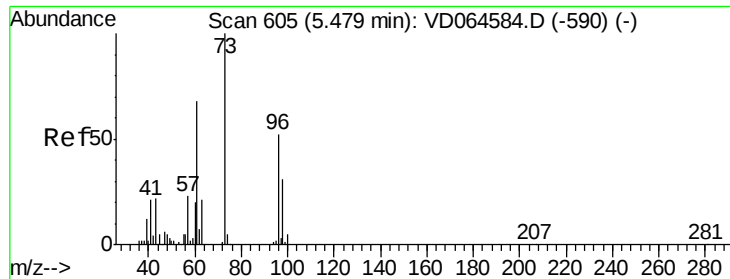
74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

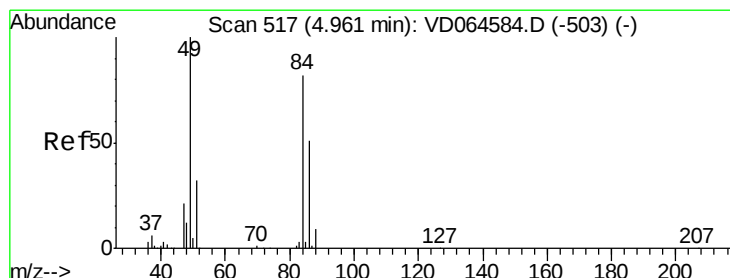
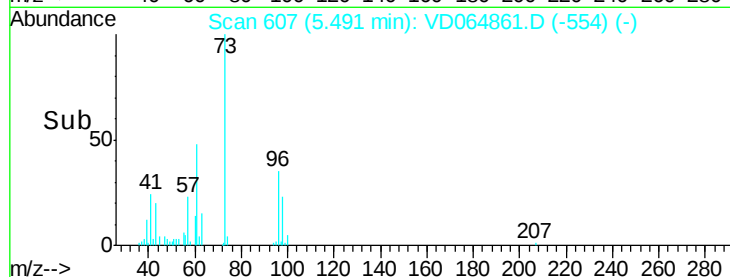
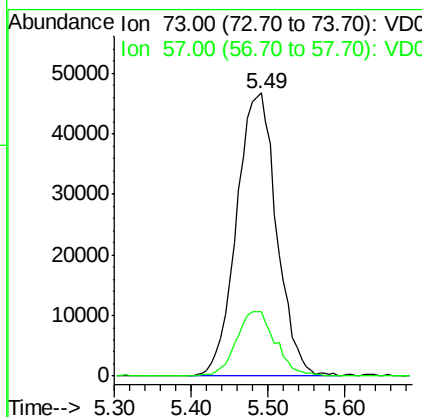
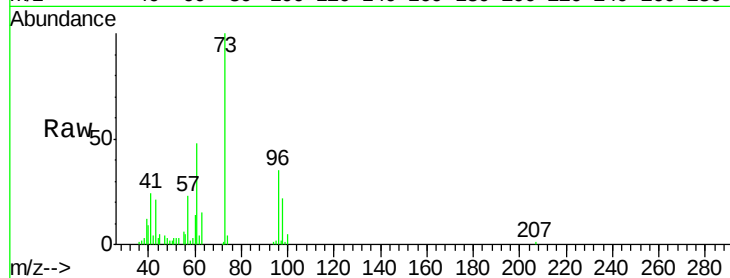




#19
Methyl tert-butyl Ether
Concen: 23.32 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

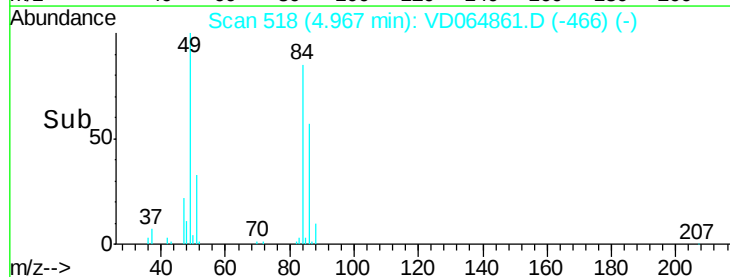
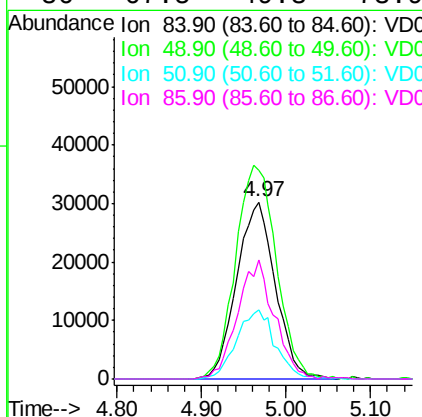
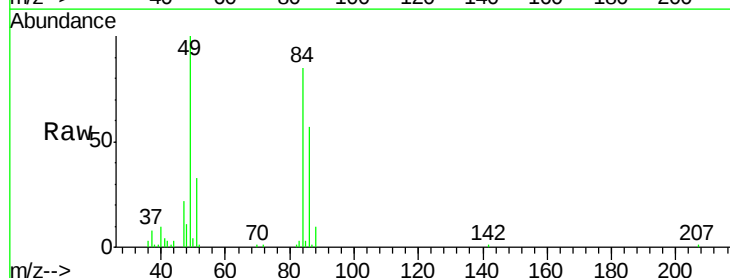
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

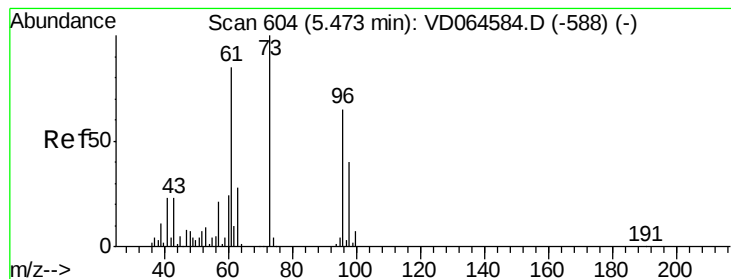
Tgt Ion: 73 Resp: 170105
Ion Ratio Lower Upper
73 100
57 22.9 18.6 27.8



#20
Methylene Chloride
Concen: 26.22 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 84 Resp: 96117
Ion Ratio Lower Upper
84 100
49 117.9 97.2 145.8
51 38.9 31.4 47.0
86 67.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.67 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

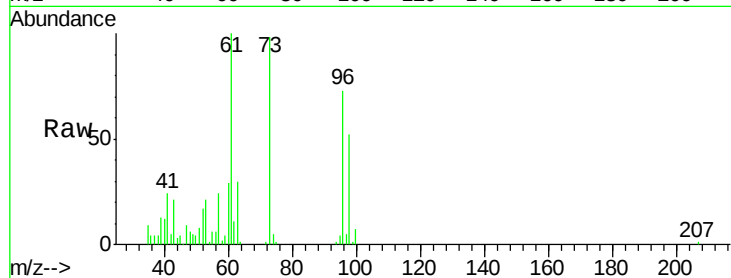
Tgt Ion: 96 Resp: 81058

Ion Ratio Lower Upper

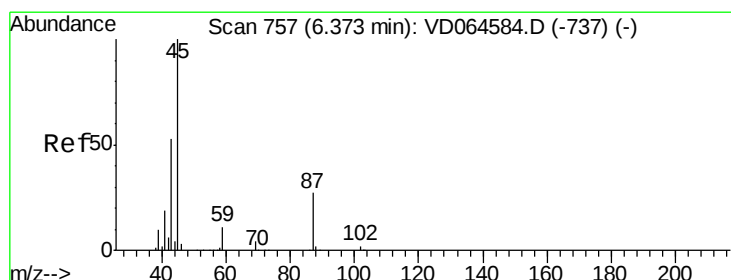
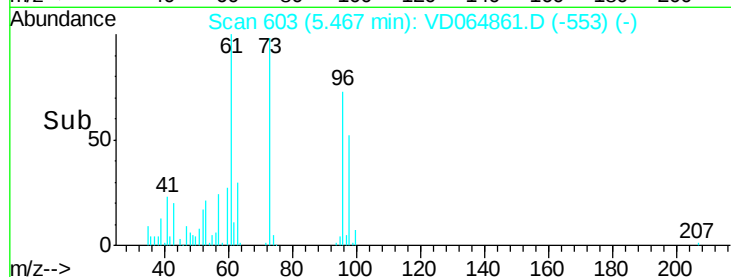
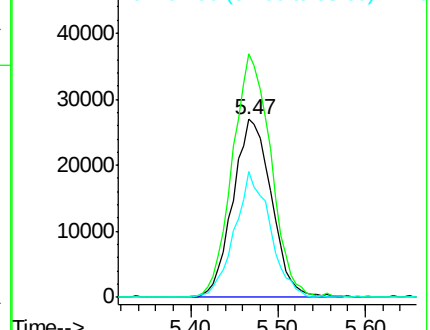
96 100

61 136.1 104.7 157.1

98 70.8 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: 23.26 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion: 45 Resp: 237632

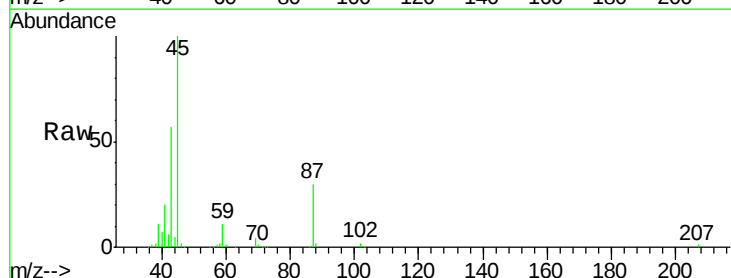
Ion Ratio Lower Upper

45 100

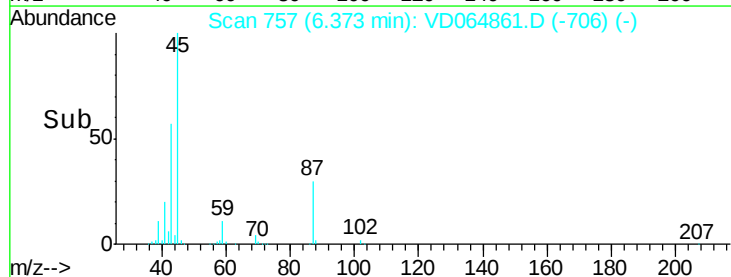
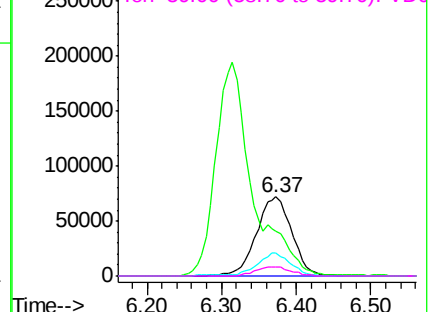
43 56.0 43.2 64.8

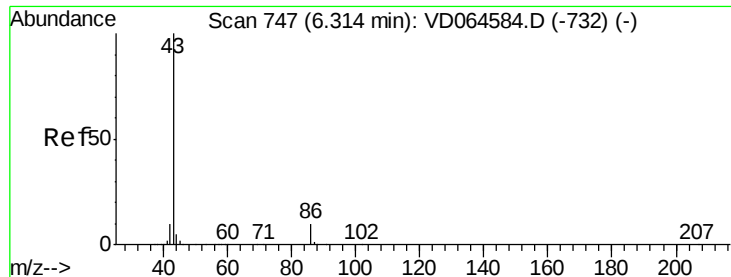
87 29.9 21.9 32.9

59 10.9 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: 114.88 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

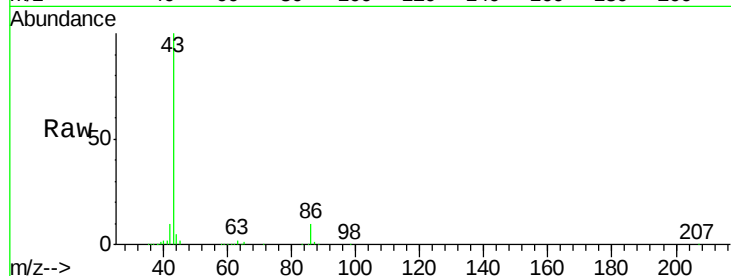
VD0117SBS01

Tgt Ion: 43 Resp: 665668

Ion Ratio Lower Upper

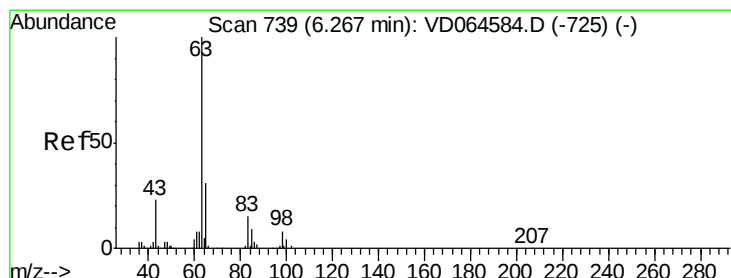
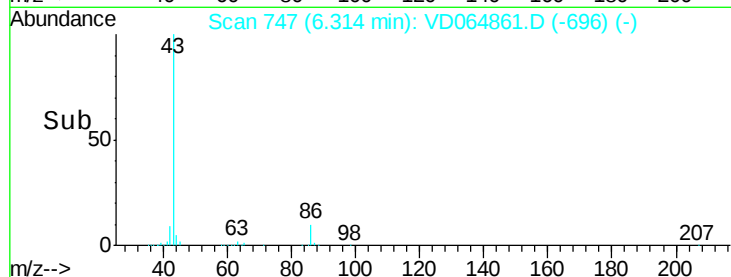
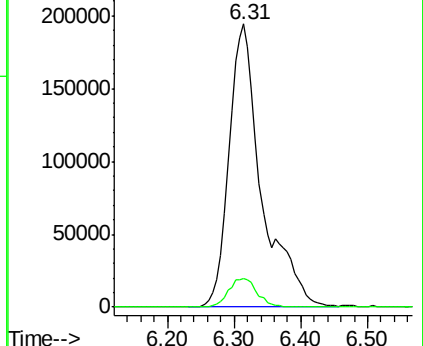
43 100

86 9.9 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: 23.41 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

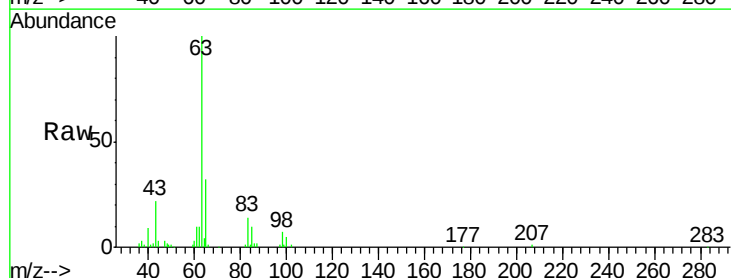
Tgt Ion: 63 Resp: 143585

Ion Ratio Lower Upper

63 100

98 7.0 4.1 12.3

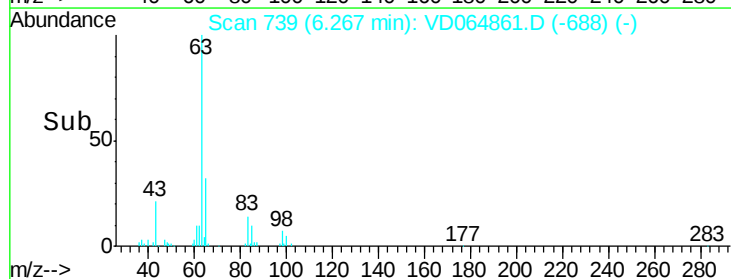
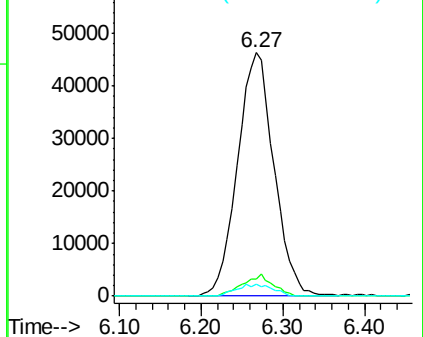
100 4.9 2.2 6.6

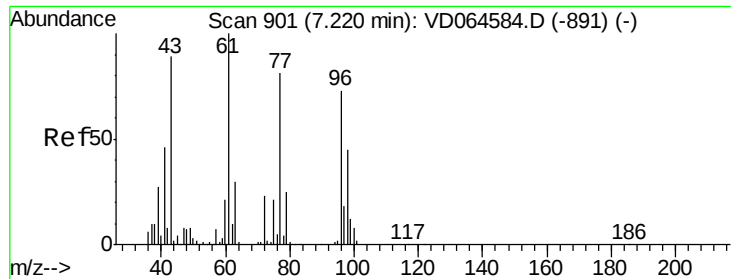


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 120.09 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

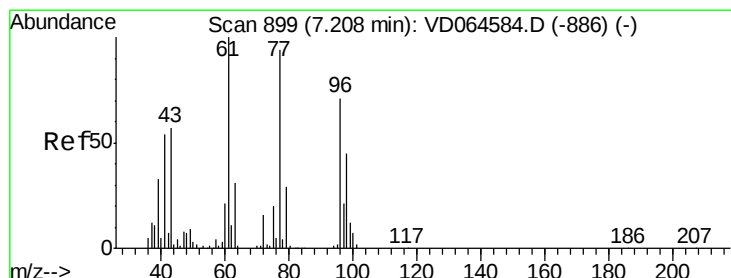
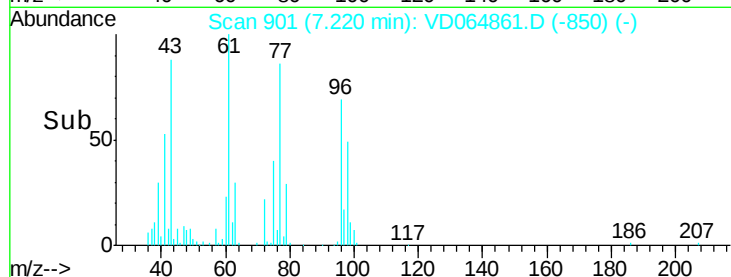
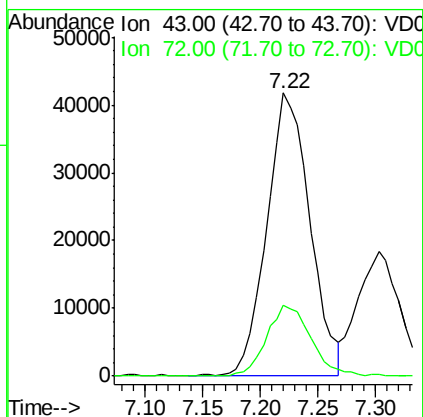
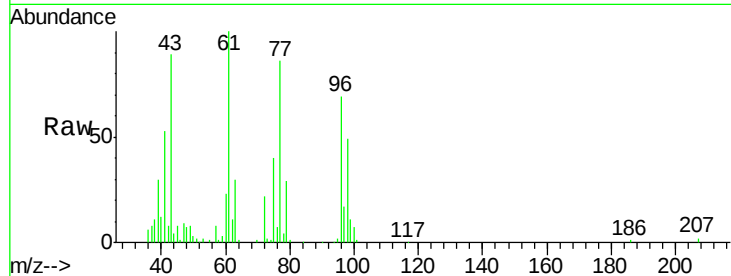
VD0117SBS01

Tgt Ion: 43 Resp: 108676

Ion Ratio Lower Upper

43 100

72 24.8 20.7 31.1



#26

2,2-Dichloropropane

Concen: 23.15 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064861.D

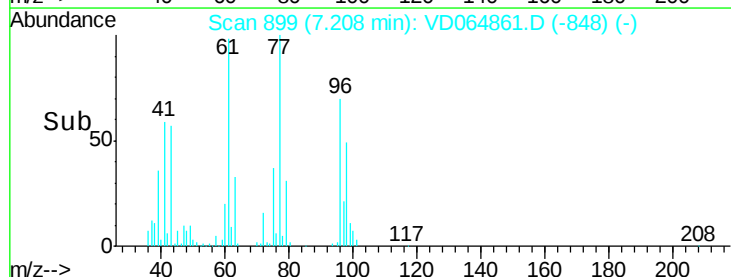
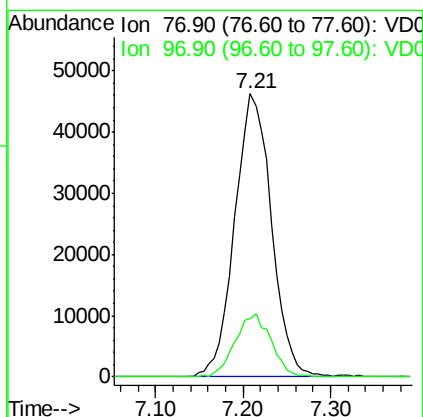
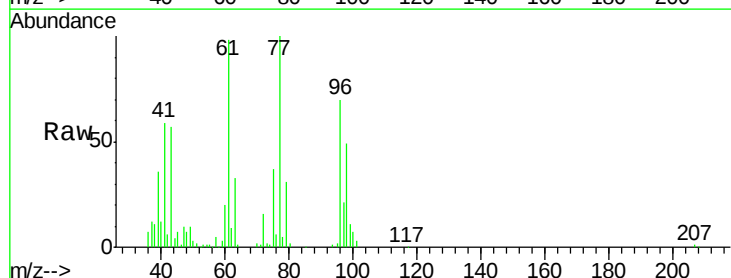
Acq: 17 Jan 2020 14:18

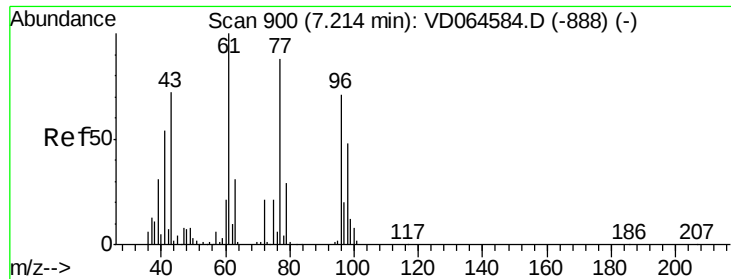
Tgt Ion: 77 Resp: 132006

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 22.55 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

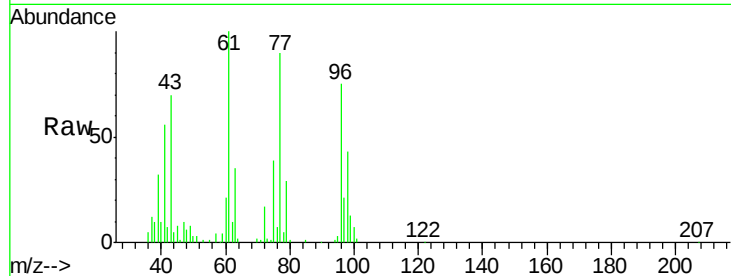
Tgt Ion: 96 Resp: 91042

Ion Ratio Lower Upper

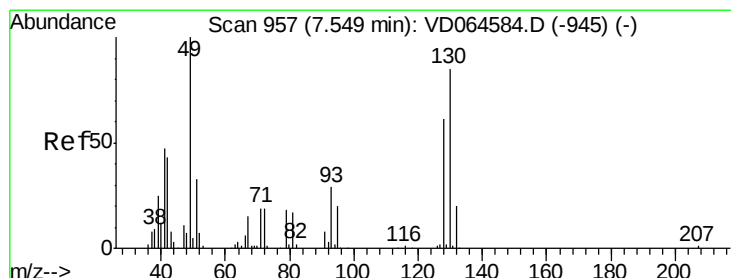
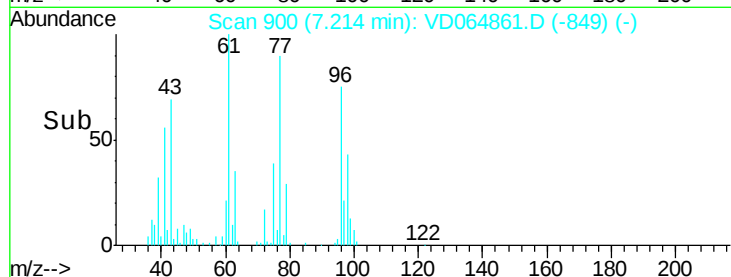
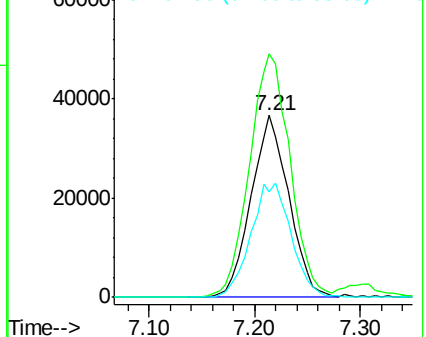
96 100

61 144.1 0.0 282.6

98 67.2 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: 22.62 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

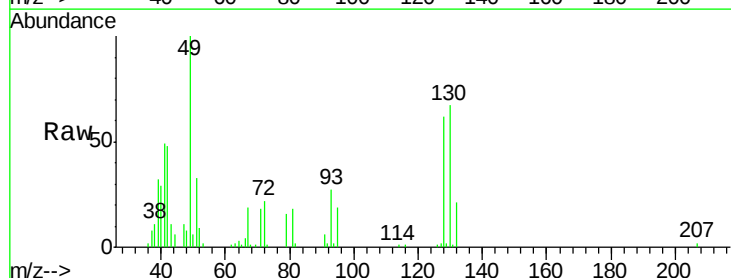
Tgt Ion: 49 Resp: 53932

Ion Ratio Lower Upper

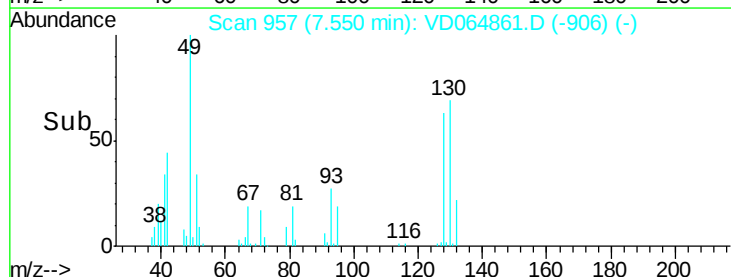
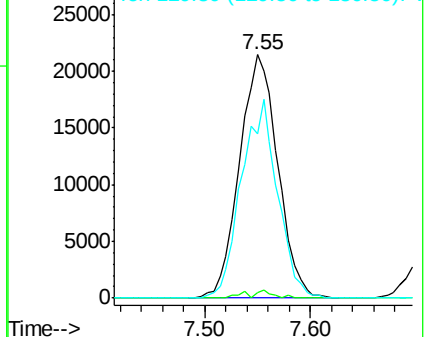
49 100

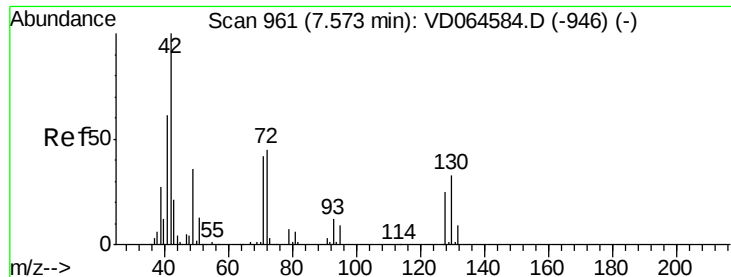
129 1.4 0.0 4.8

130 77.2 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

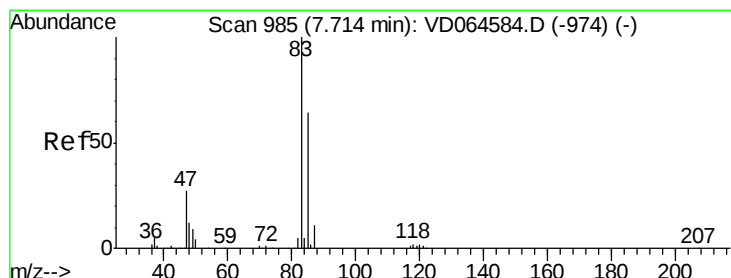
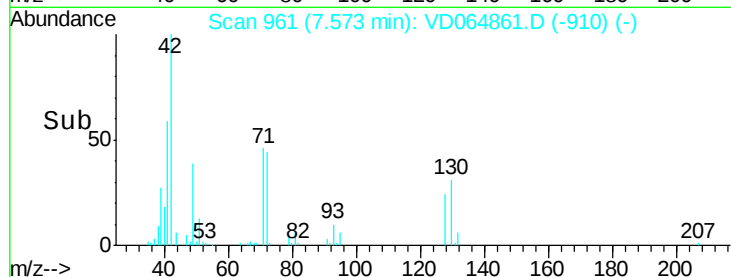
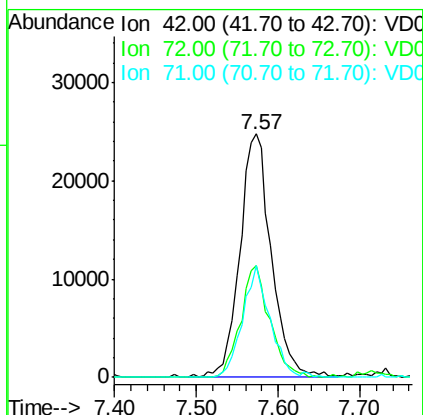
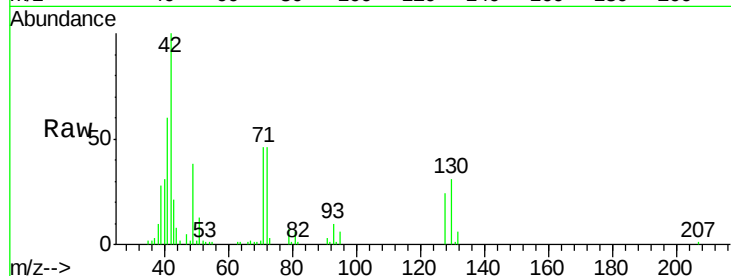




#29
Tetrahydrofuran
Concen: 117.81 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

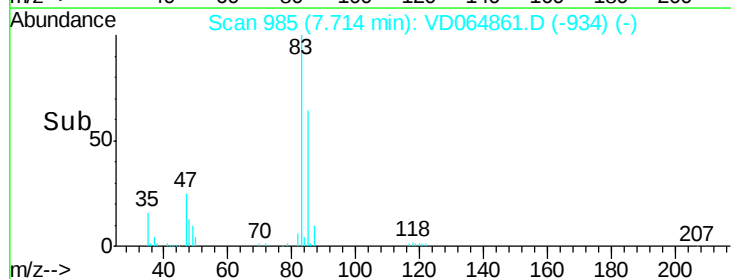
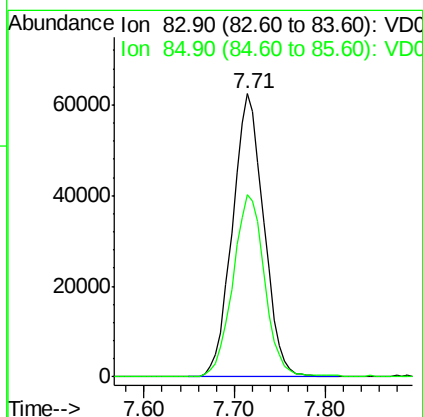
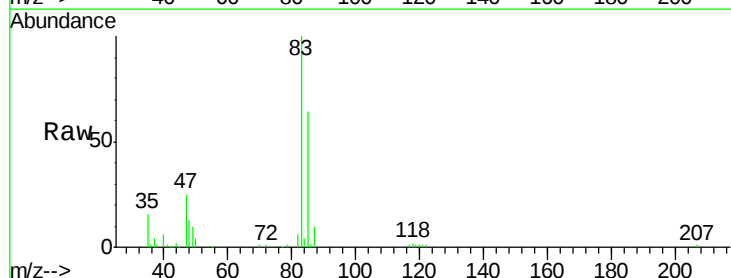
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

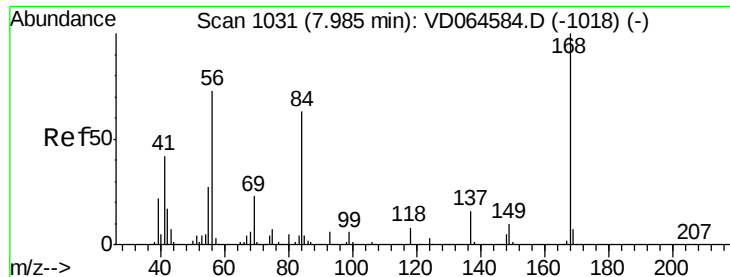
Tgt Ion: 42 Resp: 66299
Ion Ratio Lower Upper
42 100
72 42.3 35.0 52.4
71 39.4 32.9 49.3



#30
Chloroform
Concen: 23.28 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 83 Resp: 149767
Ion Ratio Lower Upper
83 100
85 64.4 51.1 76.7

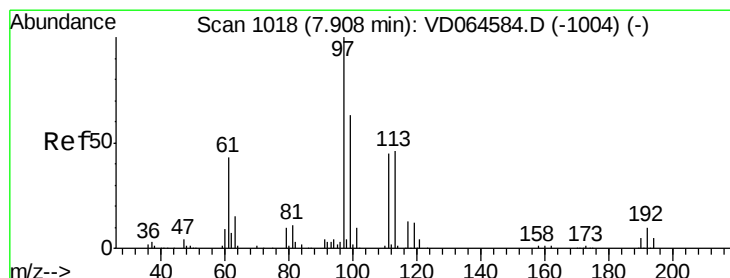
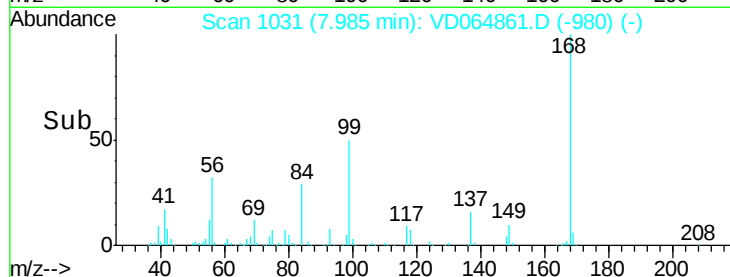
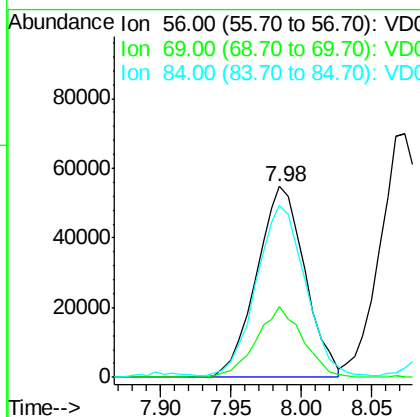
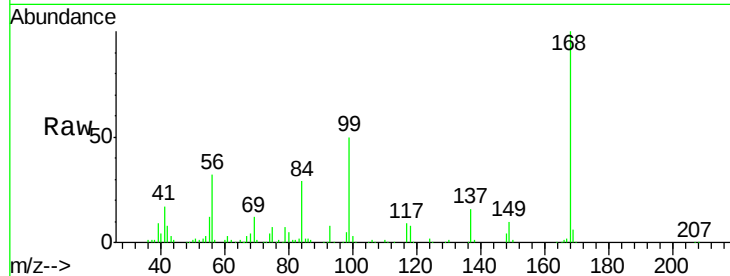




#31
Cyclohexane
Concen: 21.35 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

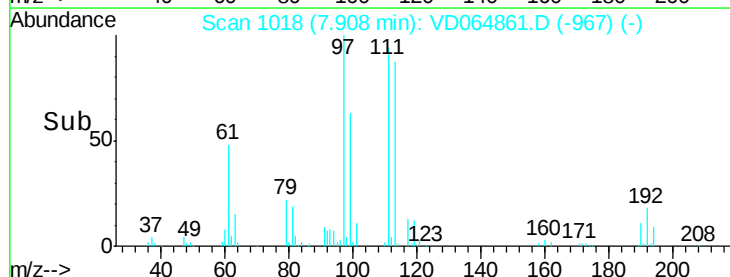
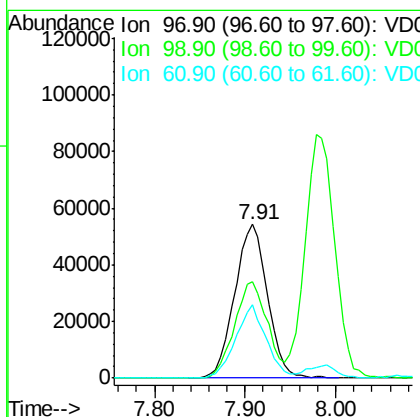
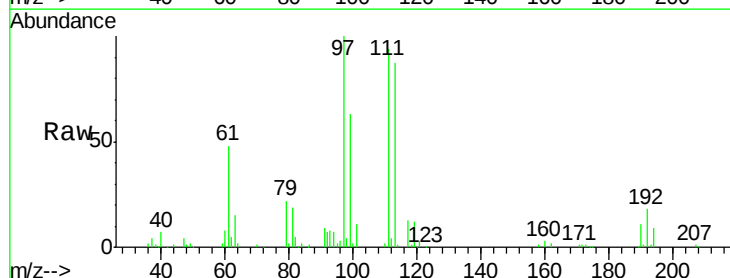
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

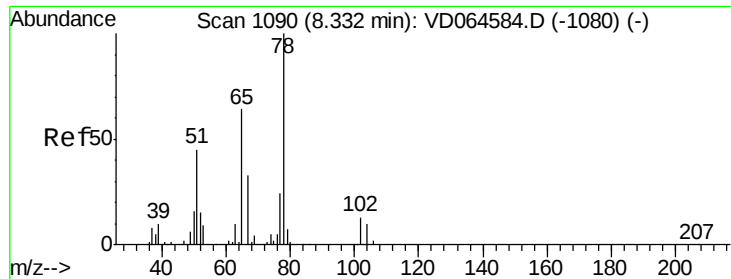
Tgt Ion: 56 Resp: 131083
Ion Ratio Lower Upper
56 100
69 36.5 24.7 37.1
84 88.8 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 22.54 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 97 Resp: 136198
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 44.0 35.4 53.0

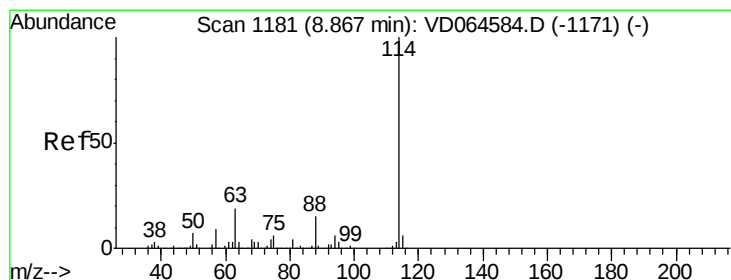
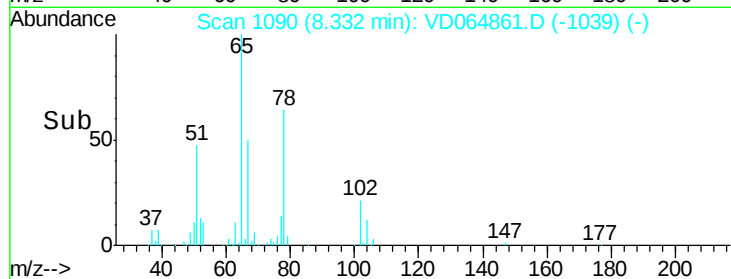
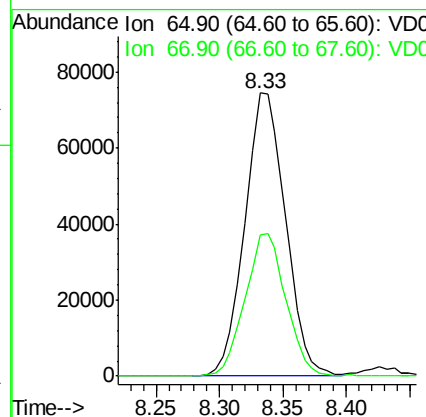
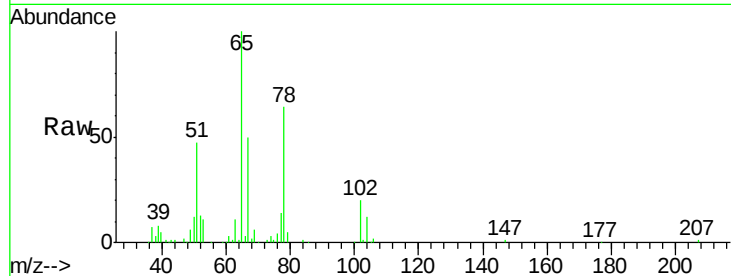




#33
 1,2-Dichloroethane-d4
 Concen: 50.69 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

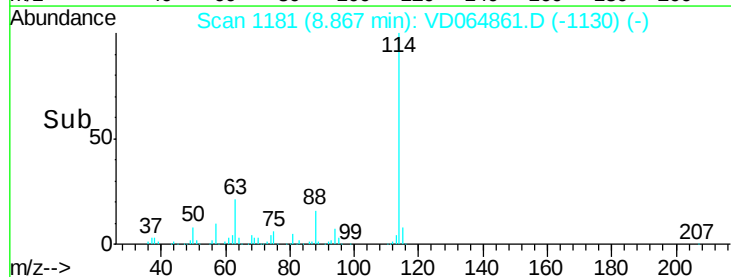
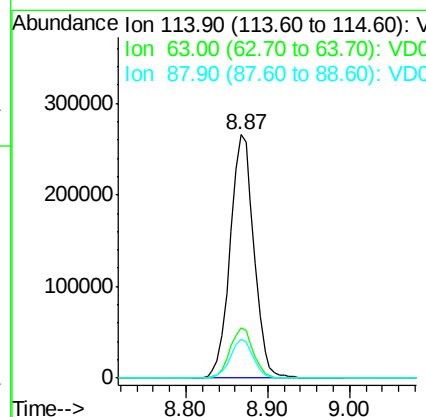
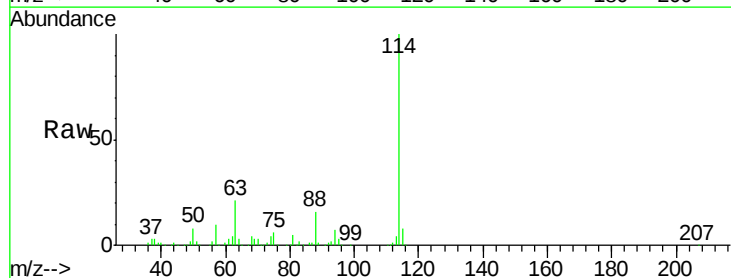
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

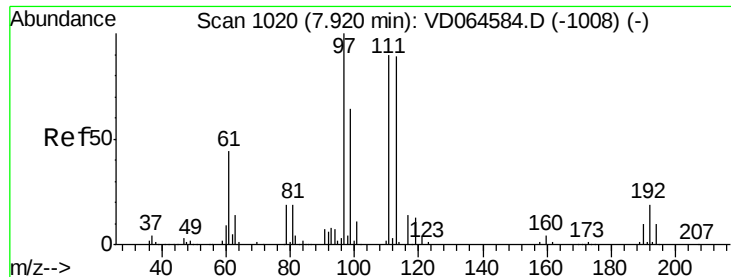
Tgt Ion: 65 Resp: 166878
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 114 Resp: 538312
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.0
 88 15.8 0.0 29.2

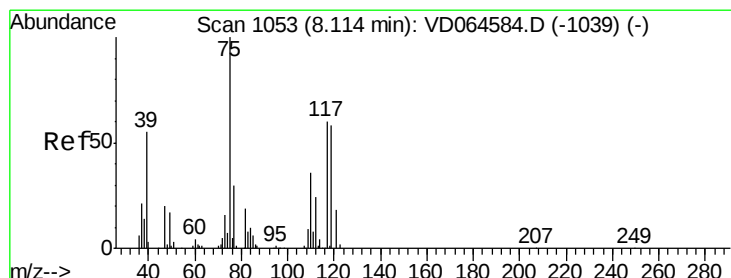
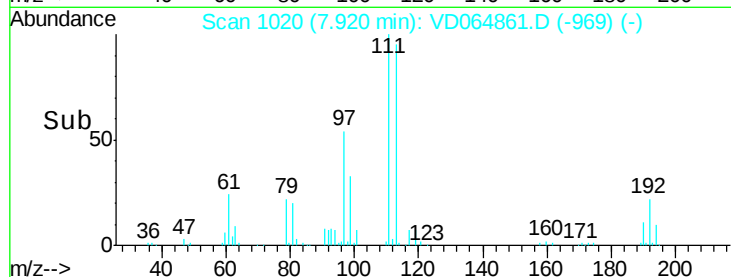
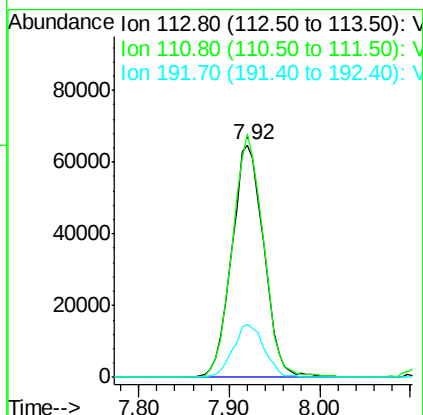
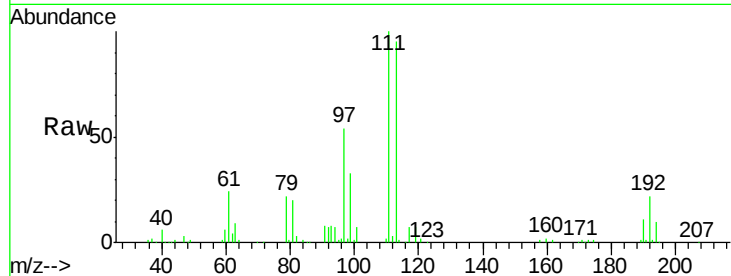




#35
 Dibromofluoromethane
 Concen: 48.40 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

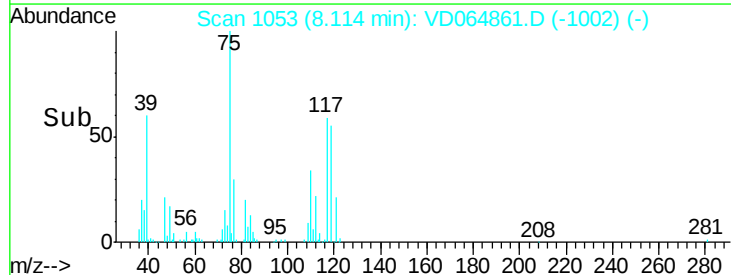
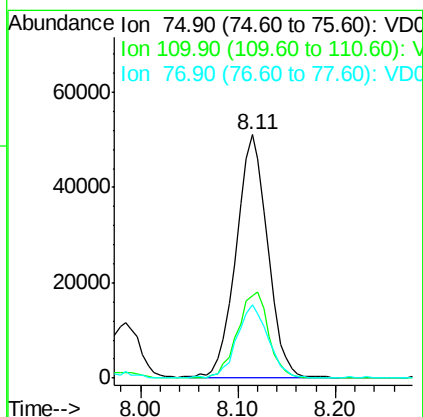
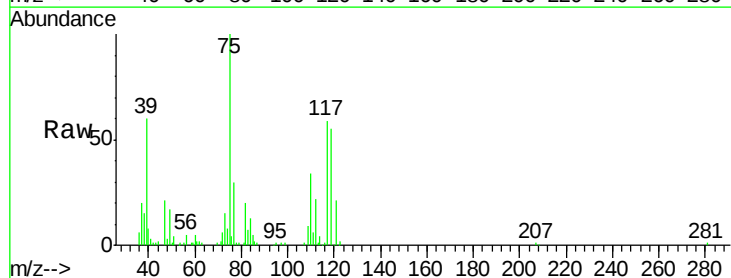
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

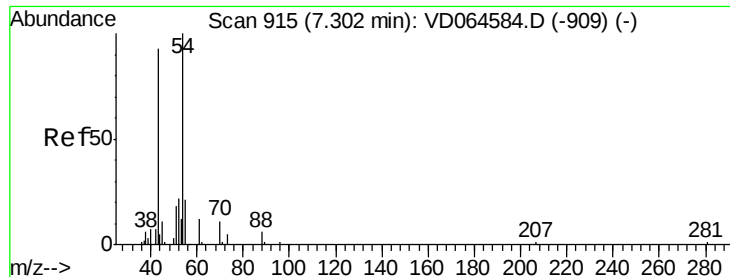
Tgt Ion:113 Resp: 159846
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.6 121.0
 192 22.1 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 22.29 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 75 Resp: 115498
 Ion Ratio Lower Upper
 75 100
 110 34.7 18.1 54.1
 77 29.9 24.2 36.4

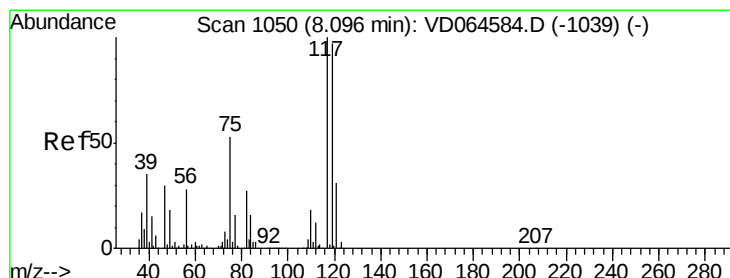
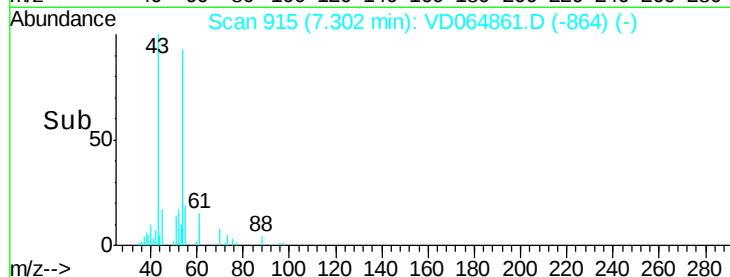
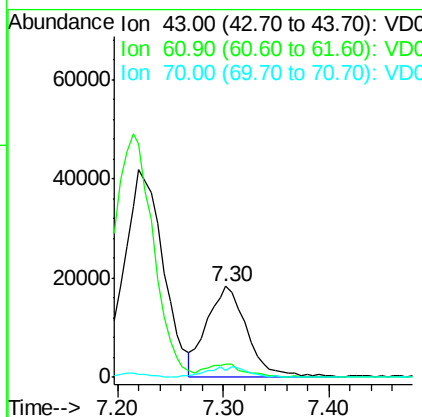
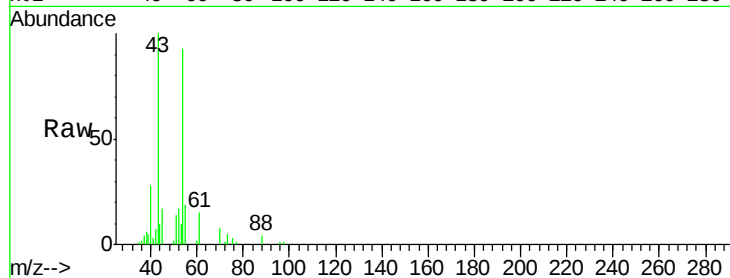




#37
 Ethyl Acetate
 Concen: 23.51 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

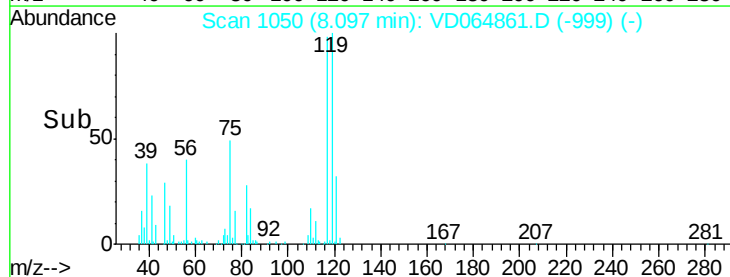
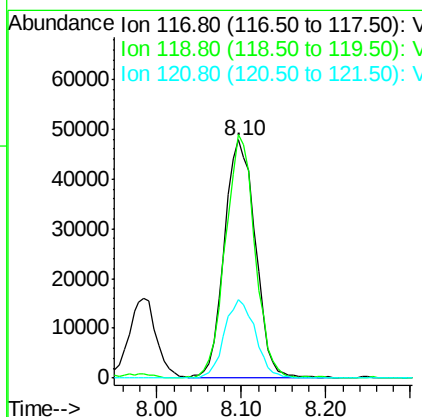
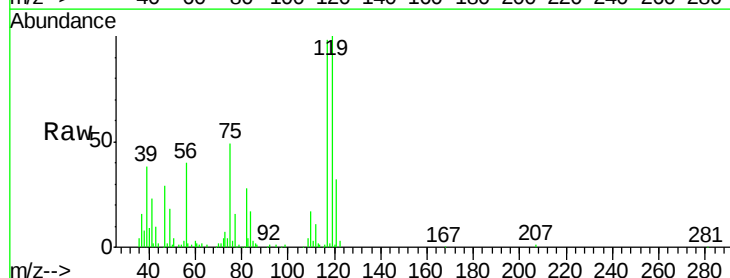
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

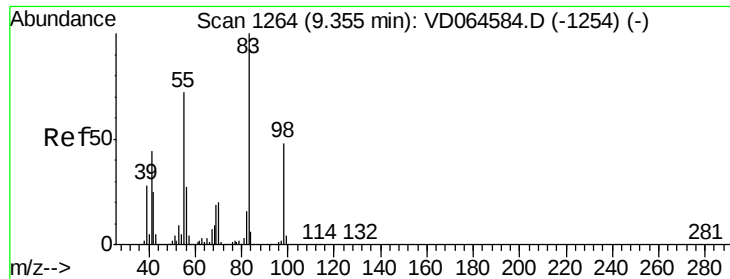
Tgt Ion: 43 Resp: 47862
 Ion Ratio Lower Upper
 43 100
 61 14.2 10.3 15.5
 70 6.1 7.6 11.4#



#38
 Carbon Tetrachloride
 Concen: 22.06 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 117 Resp: 121856
 Ion Ratio Lower Upper
 117 100
 119 102.0 77.3 115.9
 121 33.2 25.0 37.6

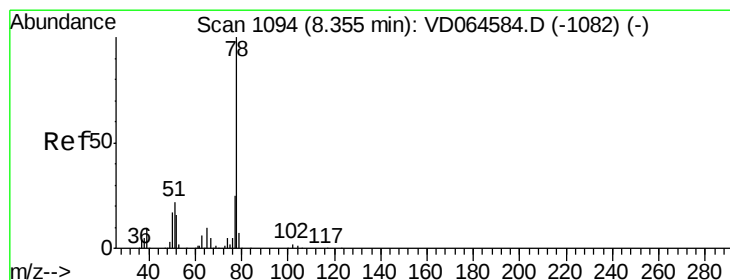
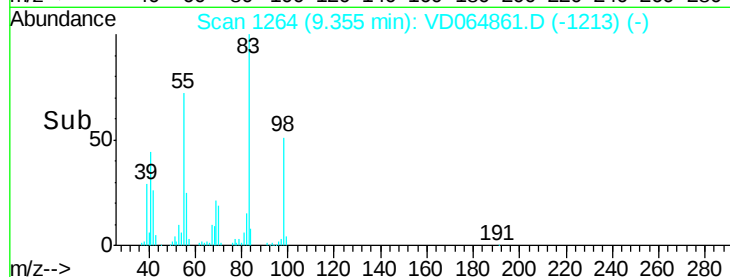
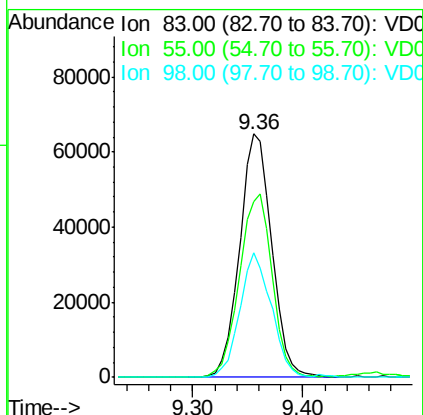
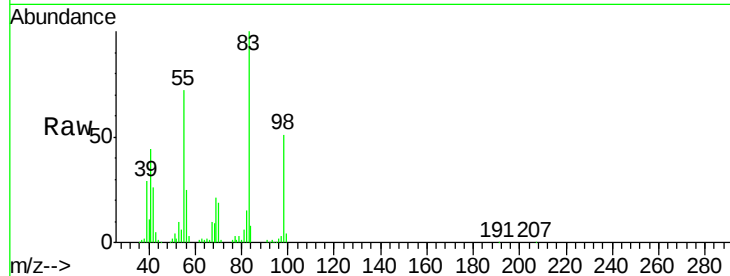




#39
Methylcyclohexane
Concen: 21.14 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

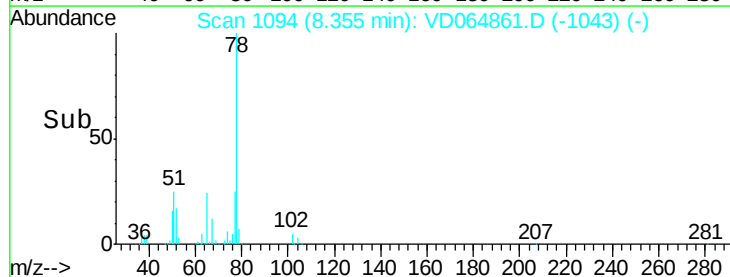
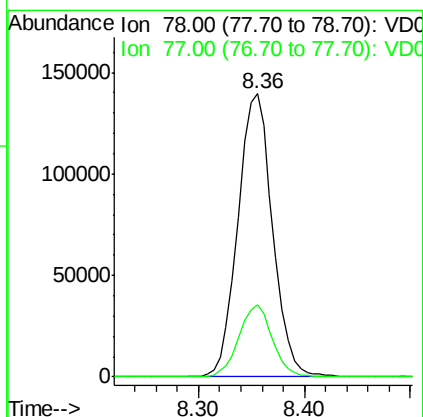
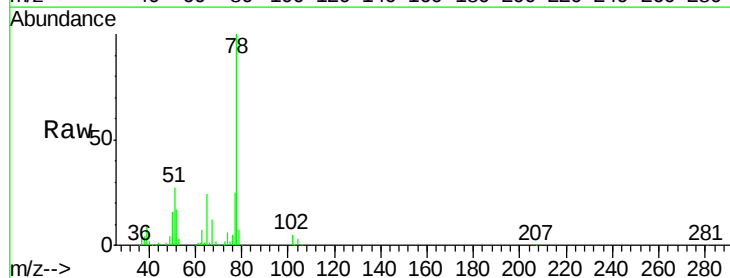
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

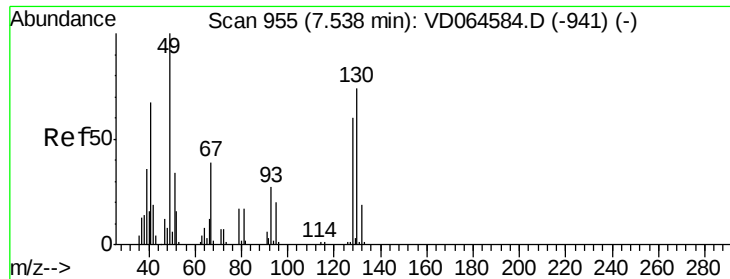
Tgt Ion: 83 Resp: 132664
Ion Ratio Lower Upper
83 100
55 72.4 57.8 86.6
98 51.1 38.7 58.1



#40
Benzene
Concen: 22.41 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 78 Resp: 317031
Ion Ratio Lower Upper
78 100
77 25.4 19.9 29.9

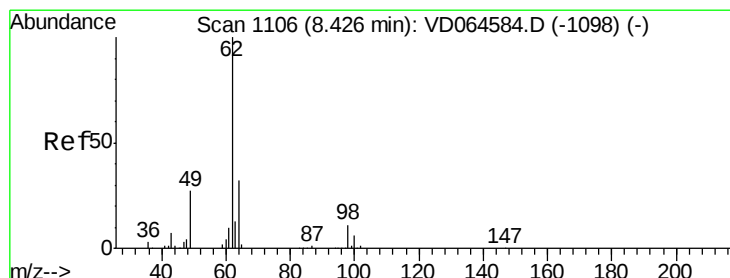
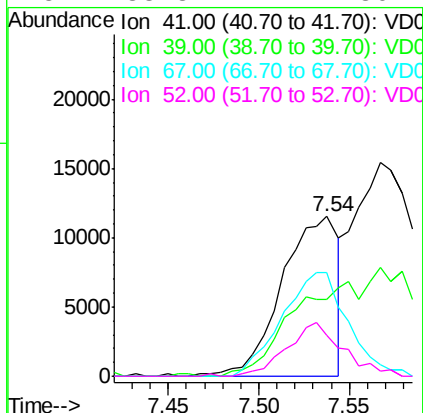
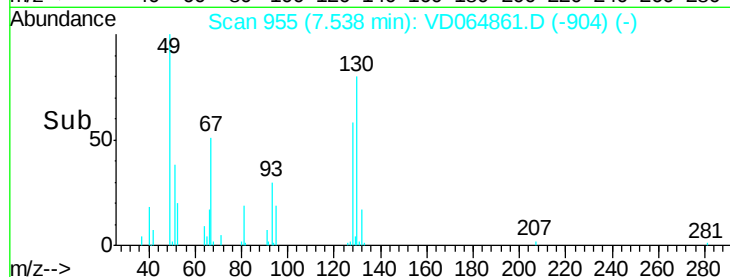
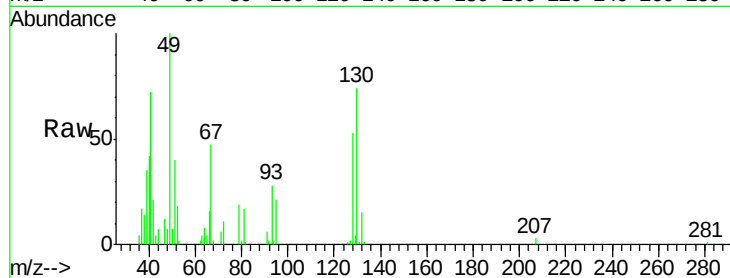




#41
Methacrylonitrile
Concen: 21.26 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

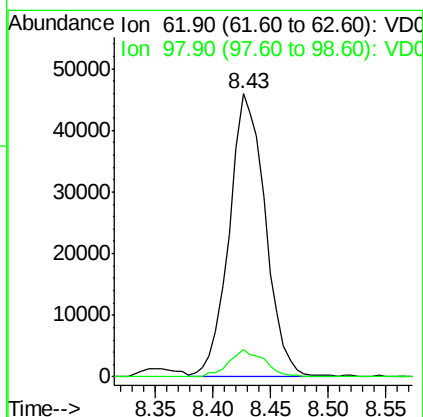
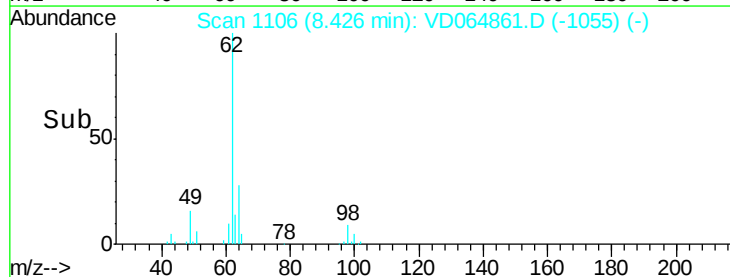
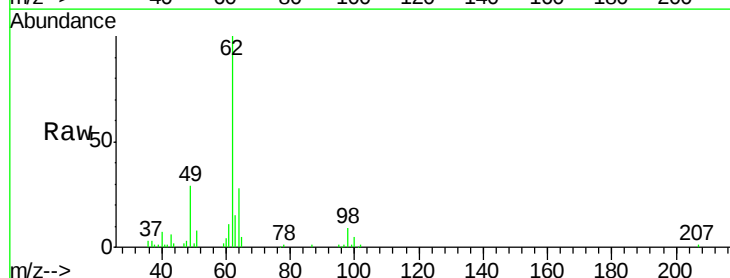
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

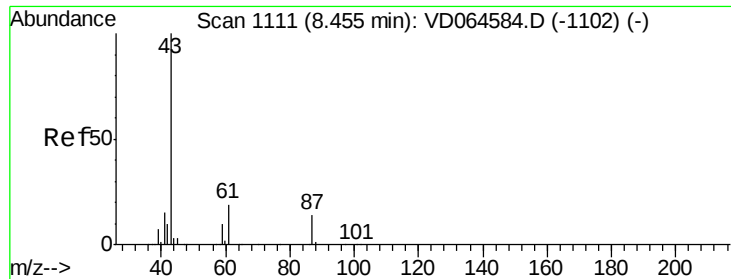
Tgt Ion: 41 Resp: 25113
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 75.3 52.5 78.7
52 33.3 24.1 36.1



#42
1,2-Dichloroethane
Concen: 24.41 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 62 Resp: 99763
Ion Ratio Lower Upper
62 100
98 9.5 0.0 20.0





#43

Isopropyl Acetate

Concen: 22.83 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

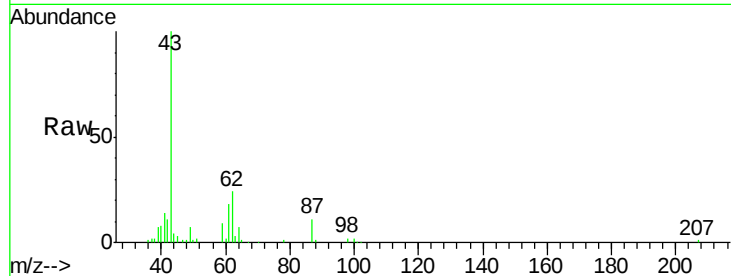
Tgt Ion: 43 Resp: 92512

Ion Ratio Lower Upper

43 100

61 29.8 23.7 35.5

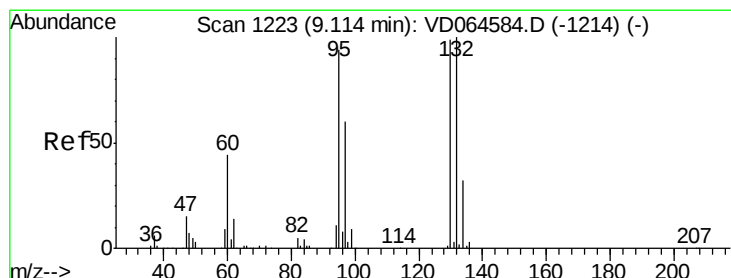
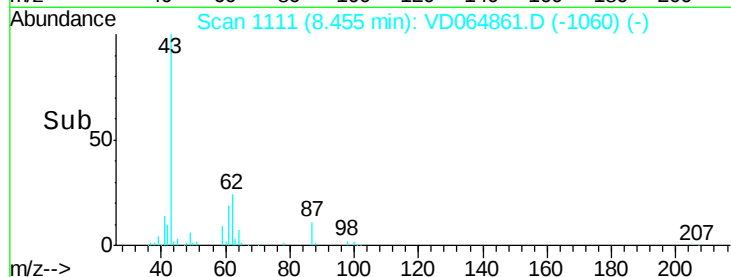
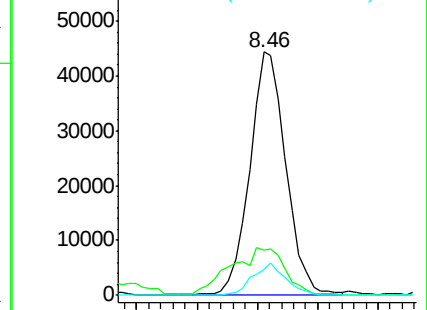
87 12.3 10.5 15.7



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: 22.18 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064861.D

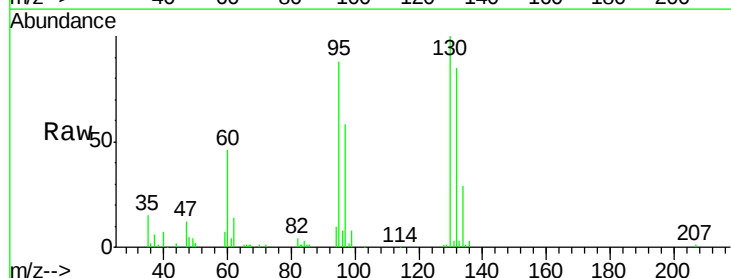
Acq: 17 Jan 2020 14:18

Tgt Ion: 130 Resp: 92164

Ion Ratio Lower Upper

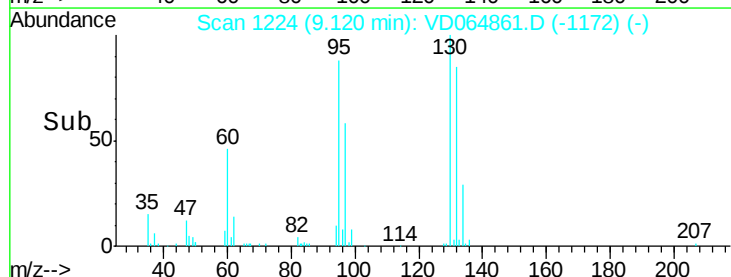
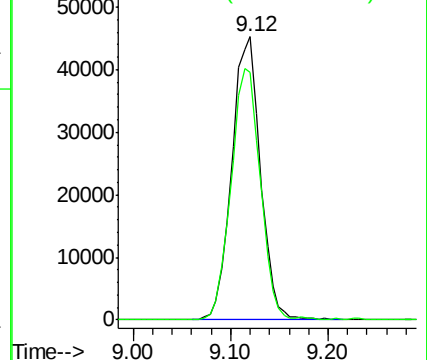
130 100

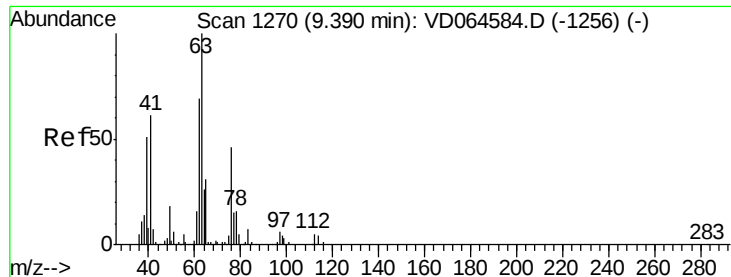
95 87.6 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

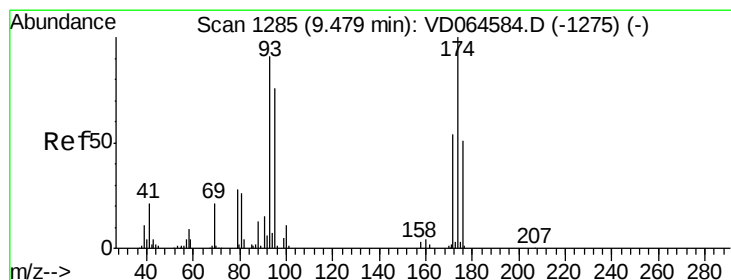
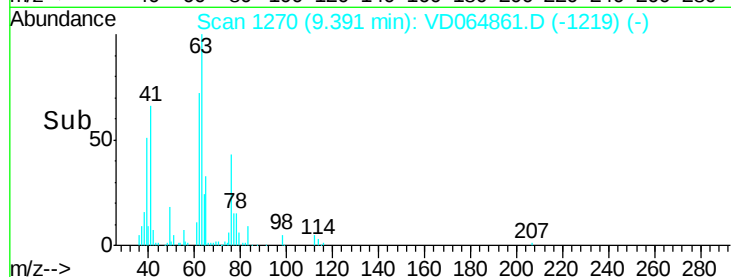
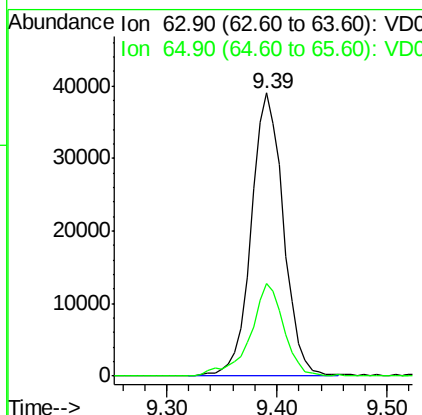
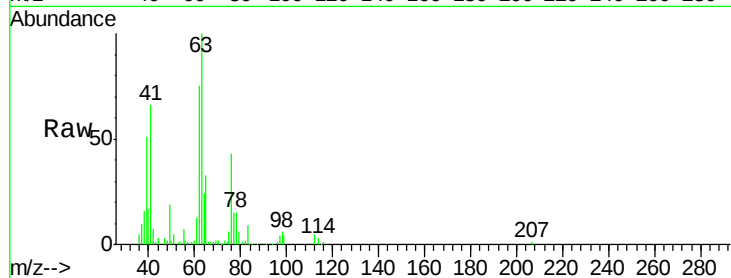




#45
 1,2-Dichloropropane
 Concen: 23.69 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

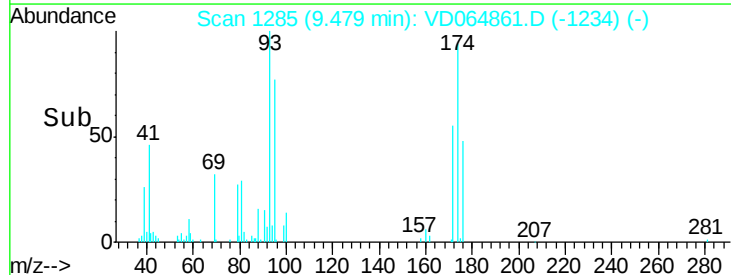
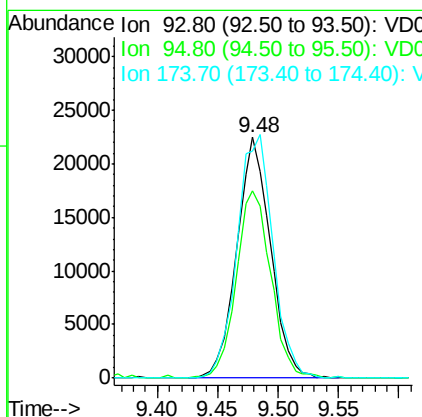
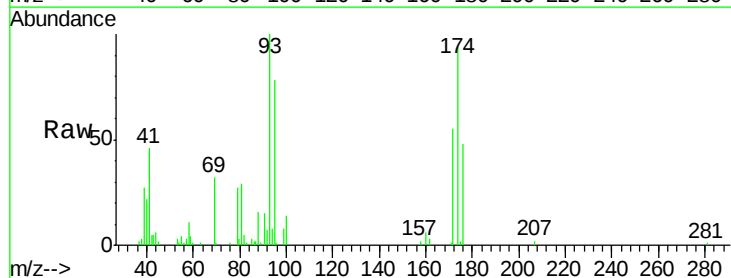
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

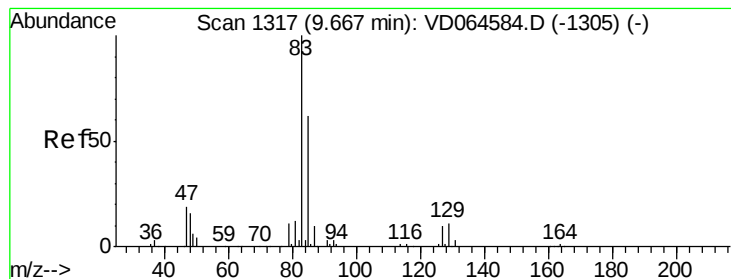
Tgt Ion: 63 Resp: 79993
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.2 37.8



#46
 Dibromomethane
 Concen: 23.23 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 93 Resp: 43736
 Ion Ratio Lower Upper
 93 100
 95 80.0 64.6 97.0
 174 107.3 88.1 132.1





#47

Bromodichloromethane

Concen: 23.17 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

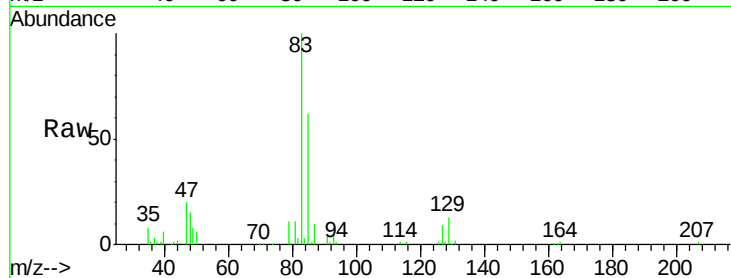
Tgt Ion: 83 Resp: 116067

Ion Ratio Lower Upper

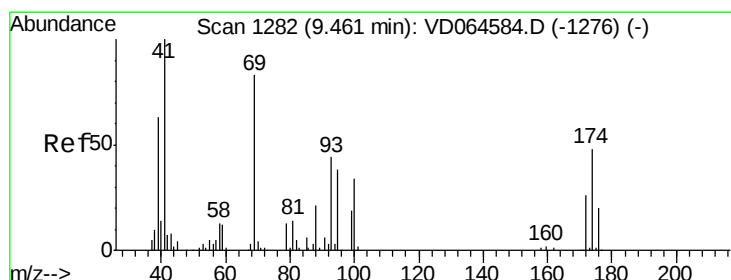
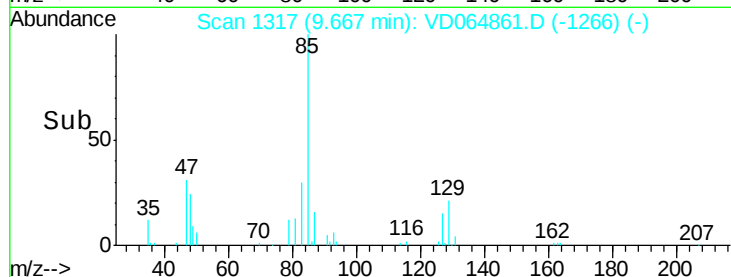
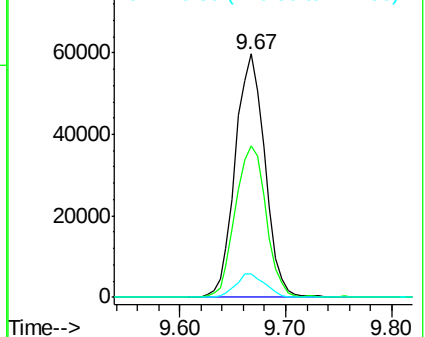
83 100

85 62.2 49.5 74.3

127 9.4 7.8 11.6



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



#48

Methyl methacrylate

Concen: 23.17 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

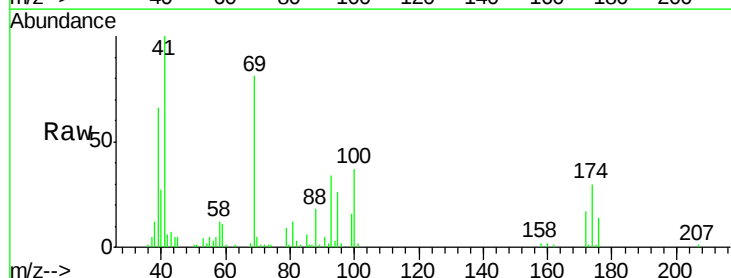
Tgt Ion: 41 Resp: 44191

Ion Ratio Lower Upper

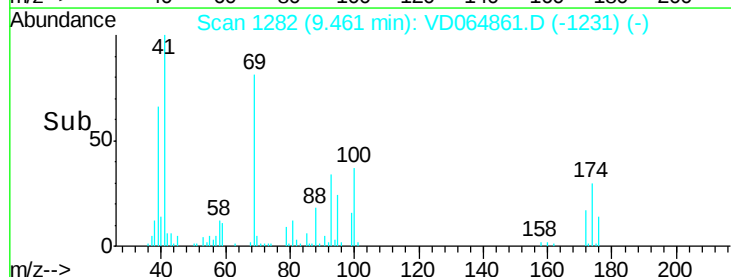
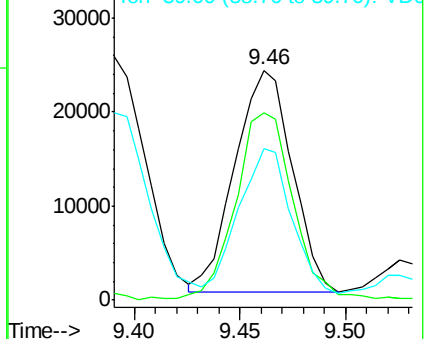
41 100

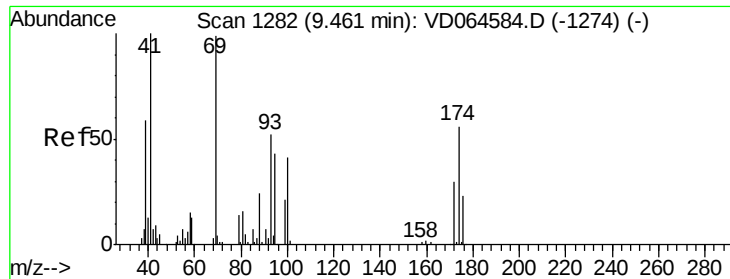
69 86.7 63.0 94.6

39 60.2 47.4 71.2



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

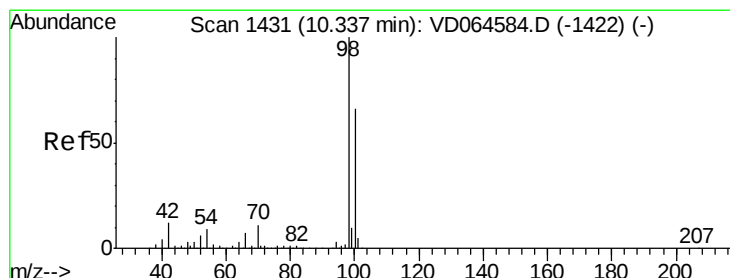
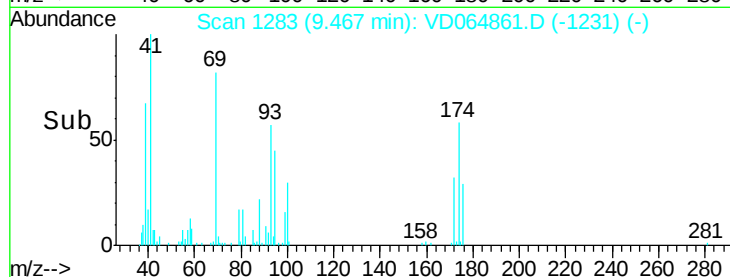
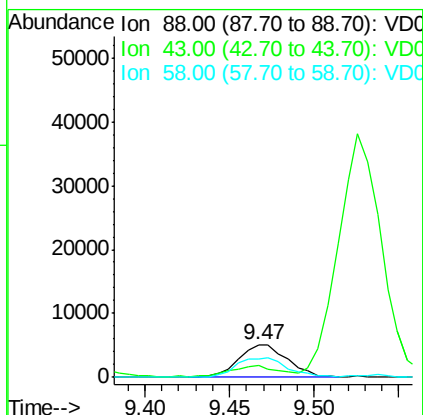
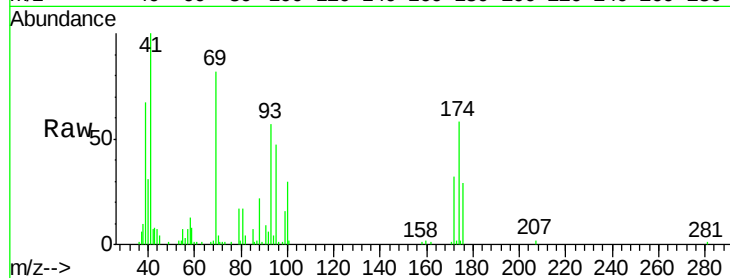




#49
1,4-Dioxane
Concen: 470.55 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

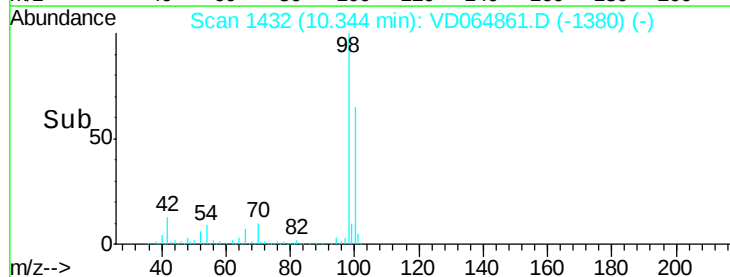
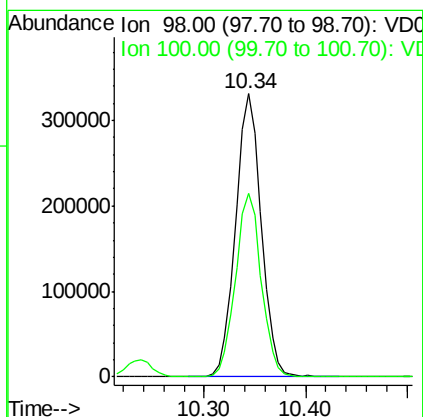
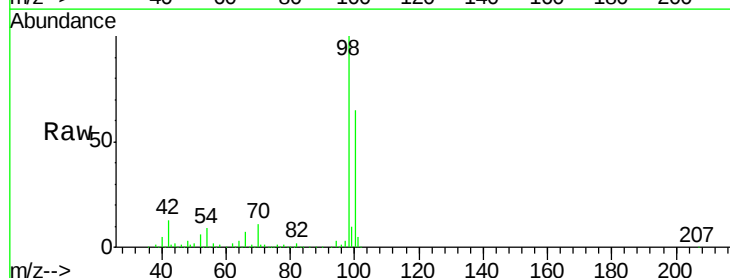
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

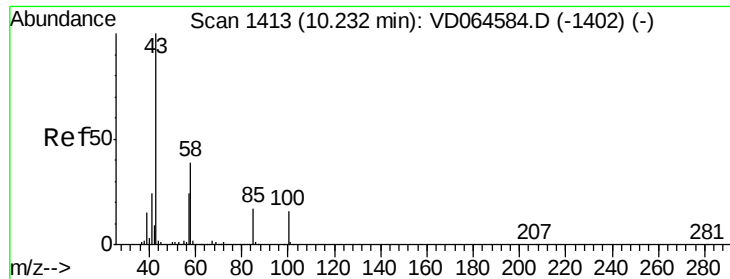
Tgt Ion: 88 Resp: 10216
Ion Ratio Lower Upper
88 100
43 37.0 27.7 41.5
58 63.0 53.8 80.6



#50
Toluene-d8
Concen: 46.20 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 98 Resp: 584379
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5

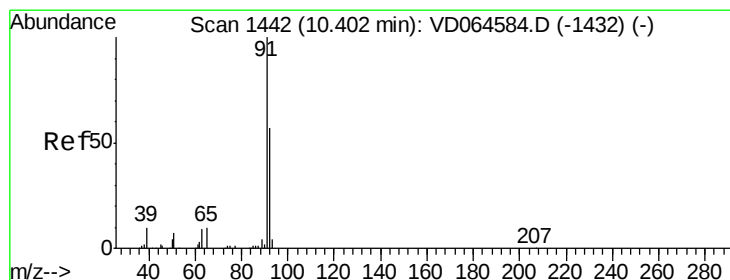
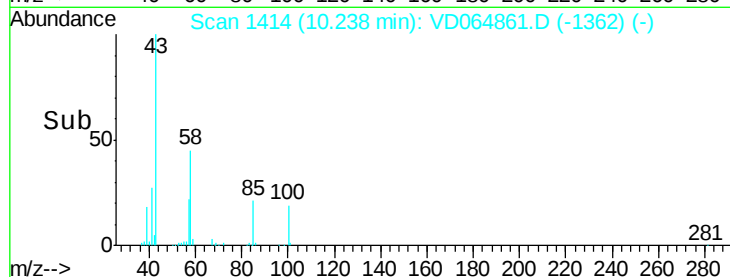
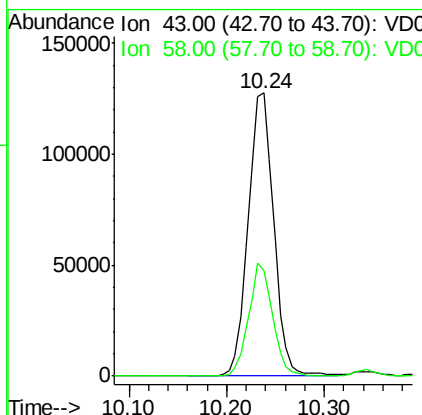
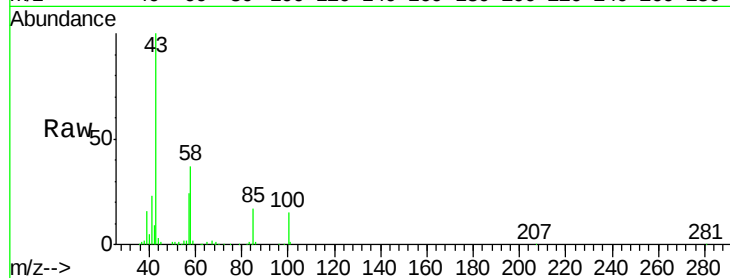




#51
4-Methyl-2-Pentanone
Concen: 116.54 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

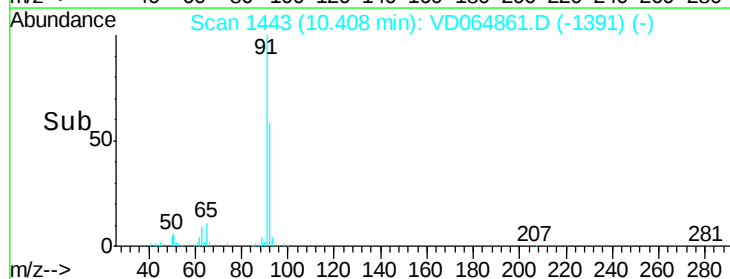
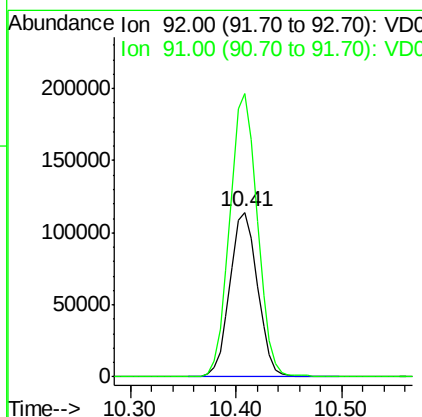
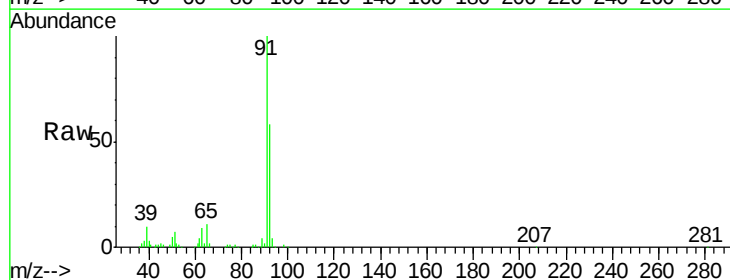
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

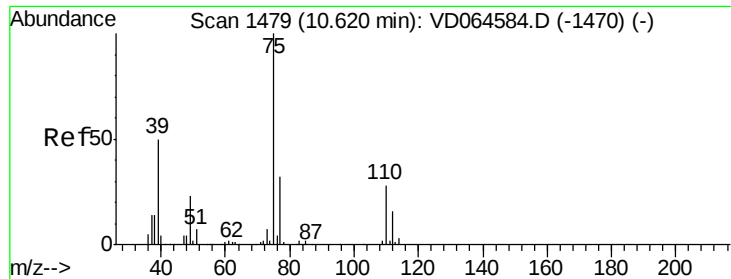
Tgt Ion: 43 Resp: 233380
Ion Ratio Lower Upper
43 100
58 37.3 30.2 45.2



#52
Toluene
Concen: 22.32 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 92 Resp: 207090
Ion Ratio Lower Upper
92 100
91 171.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 23.11 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

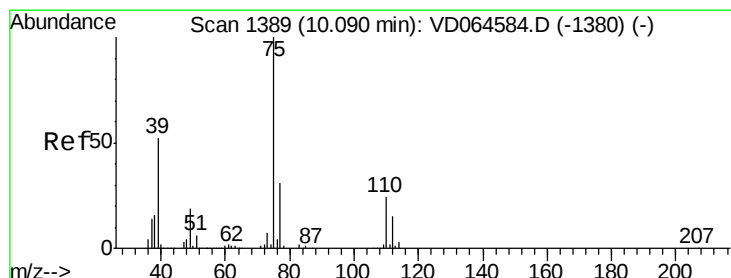
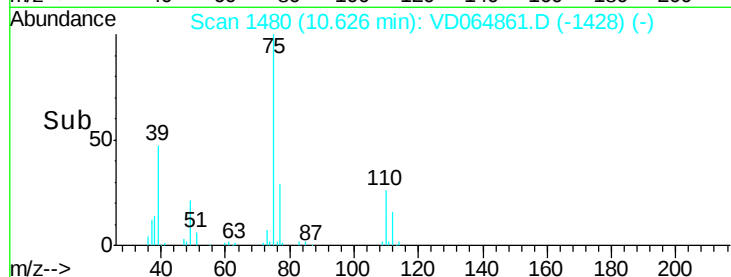
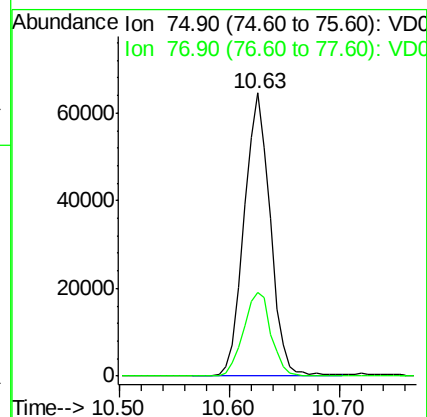
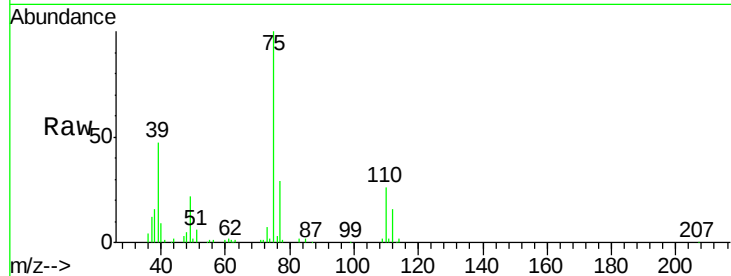
VD0117SBS01

Tgt Ion: 75 Resp: 107931

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 23.17 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

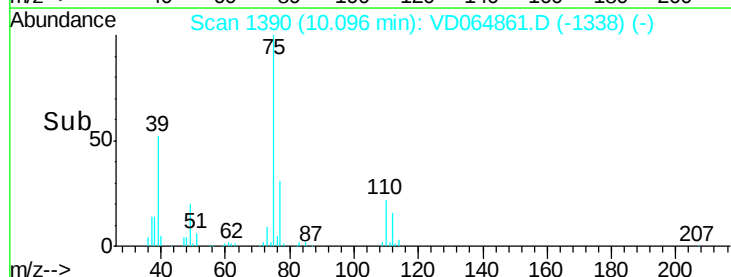
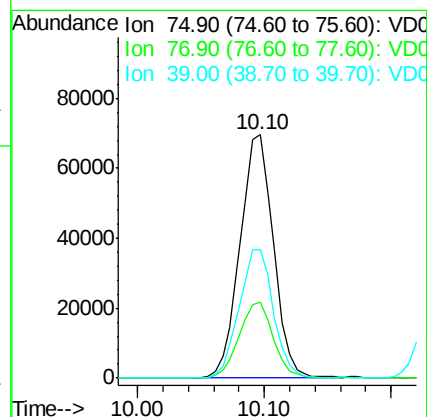
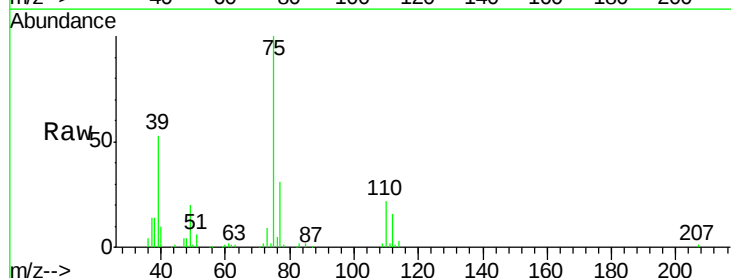
Tgt Ion: 75 Resp: 127614

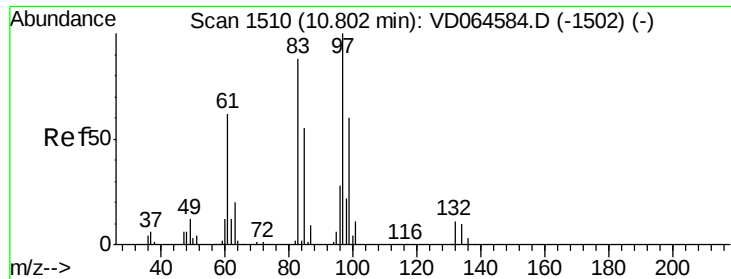
Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 52.7 41.4 62.2

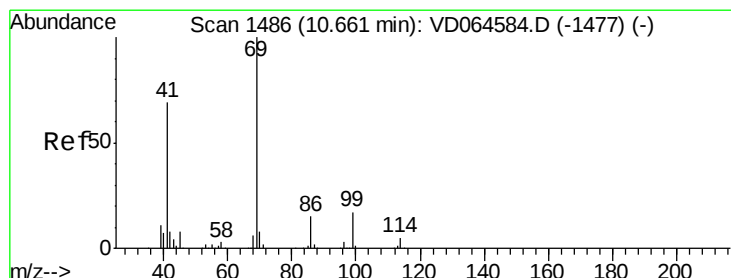
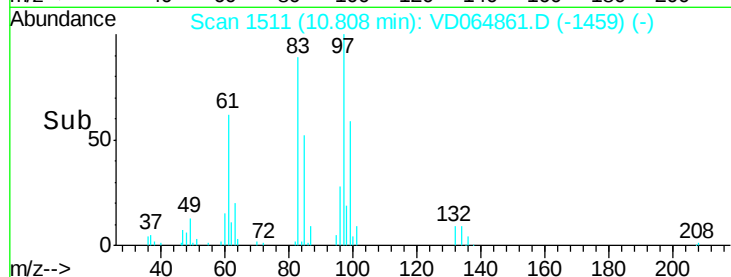
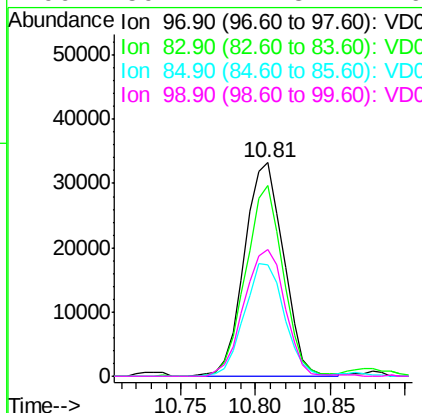
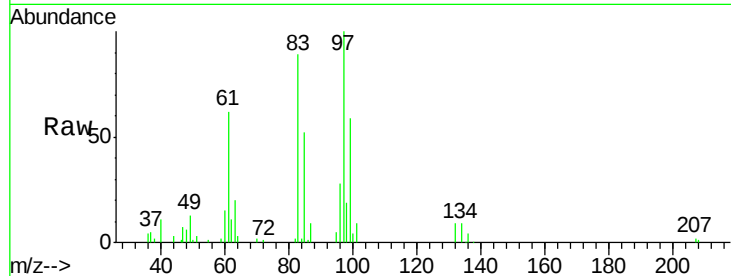




#55
 1,1,2-Trichloroethane
 Concen: 23.80 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

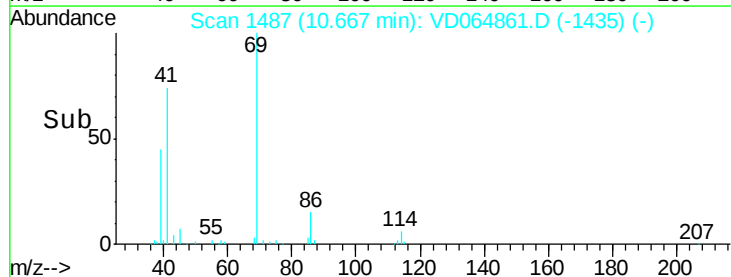
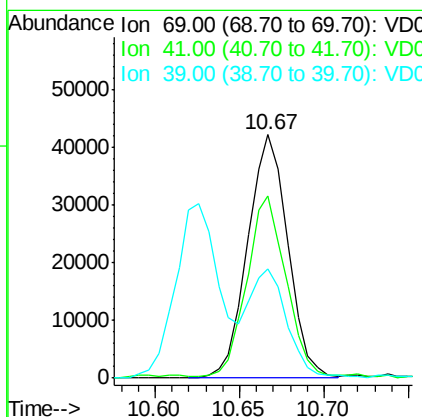
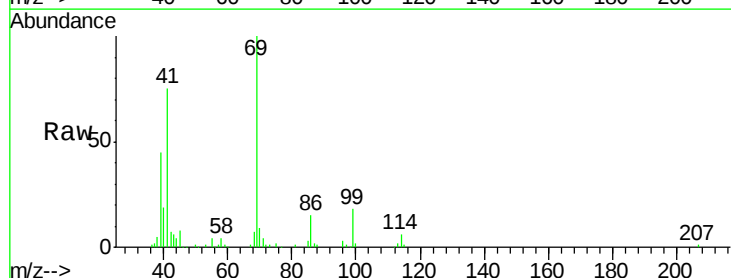
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

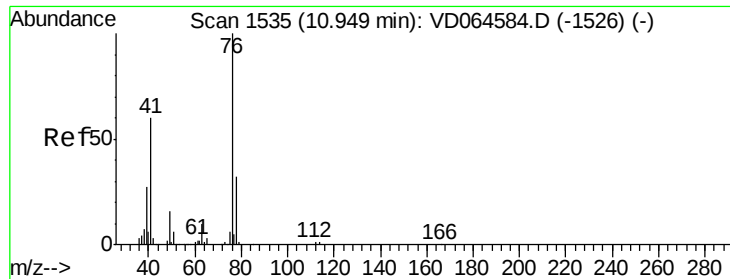
Tgt Ion: 97 Resp: 60393
 Ion Ratio Lower Upper
 97 100
 83 89.4 70.2 105.4
 85 52.1 44.0 66.0
 99 59.4 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 22.09 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 69 Resp: 70009
 Ion Ratio Lower Upper
 69 100
 41 73.2 55.3 82.9
 39 41.4 33.8 50.8

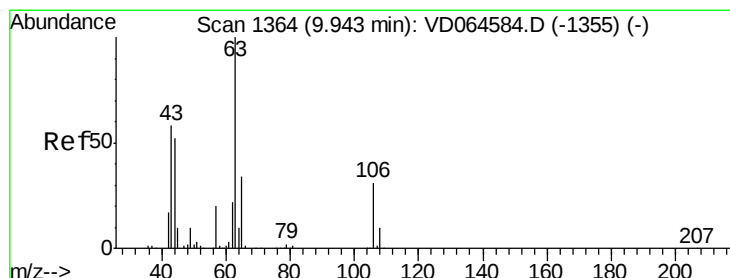
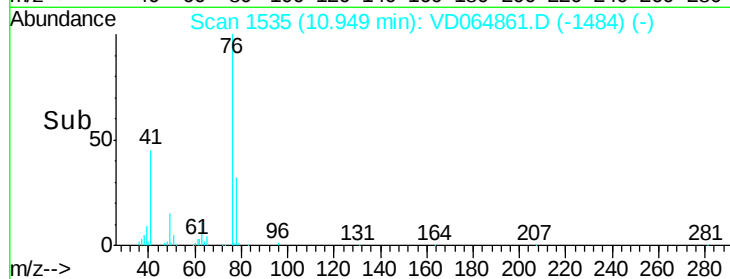
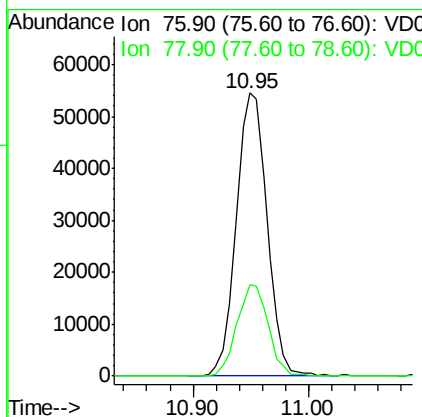
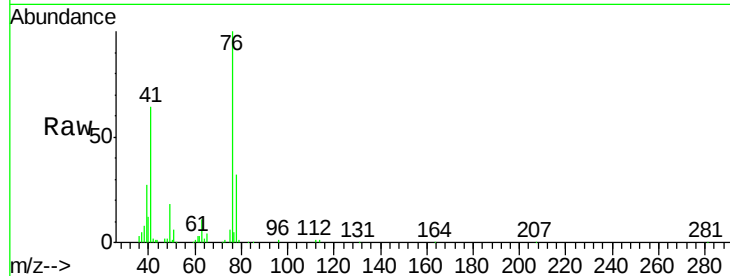




#57
 1,3-Dichloropropane
 Concen: 23.06 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

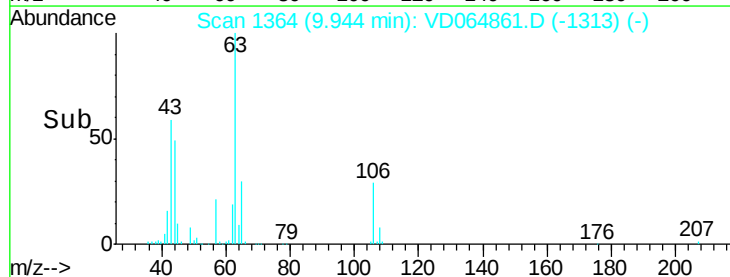
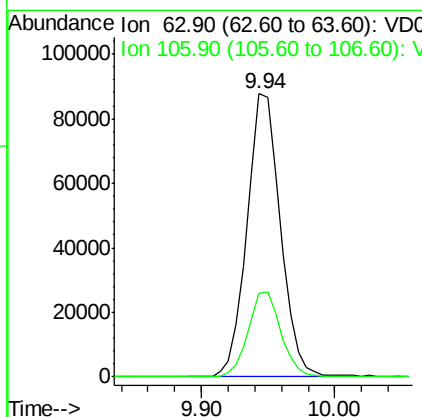
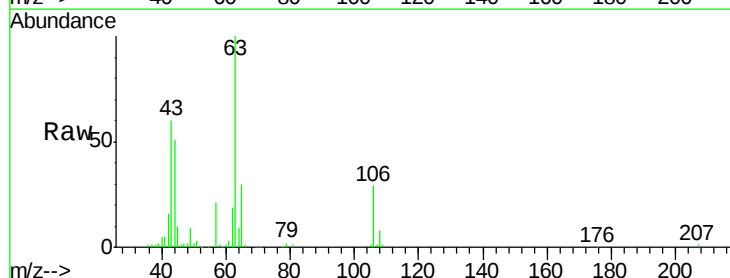
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

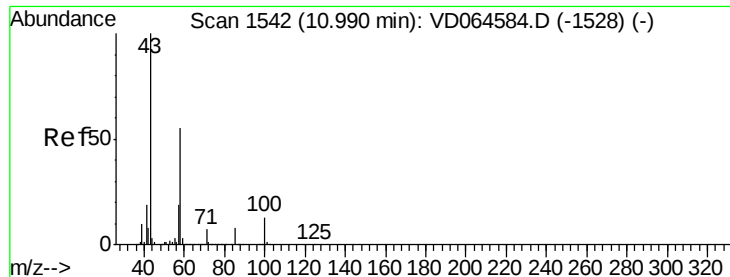
Tgt Ion: 76 Resp: 100729
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.26 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 63 Resp: 151230
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8

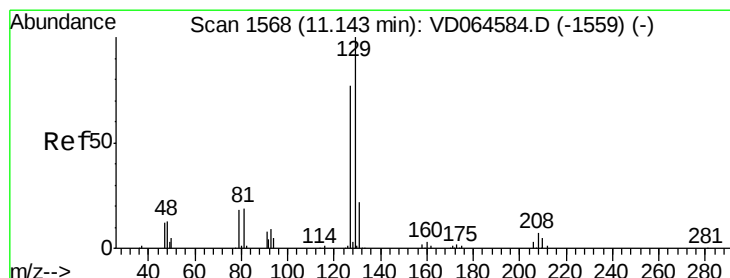
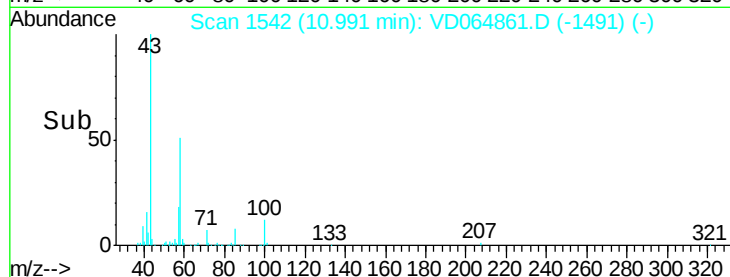
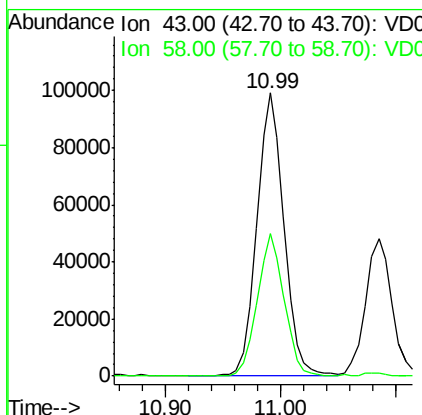
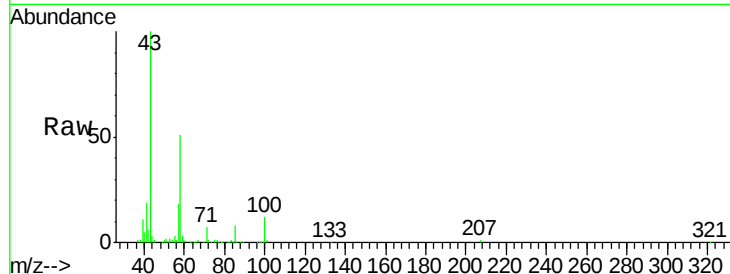




#59
2-Hexanone
Concen: 119.49 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

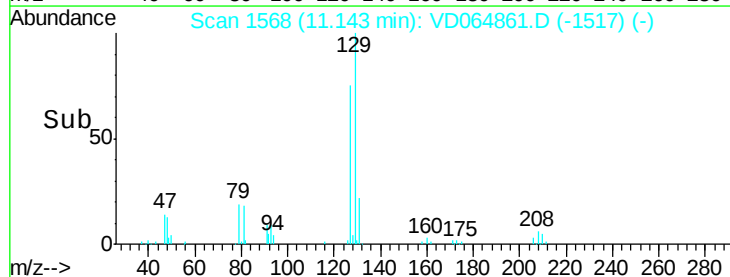
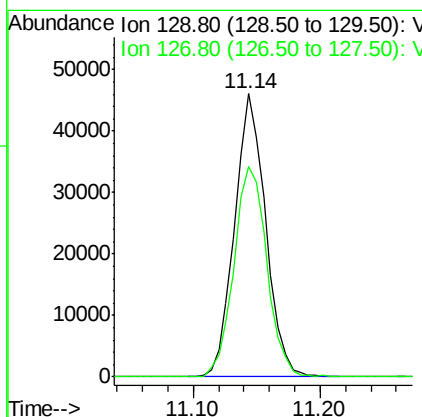
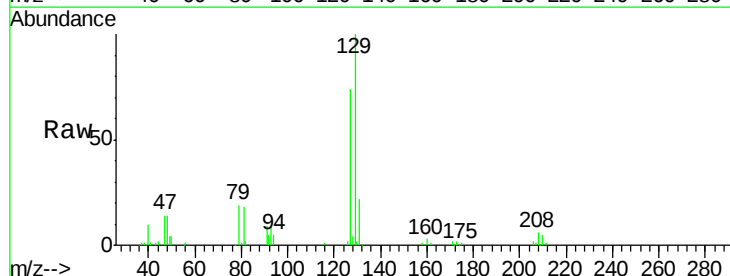
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

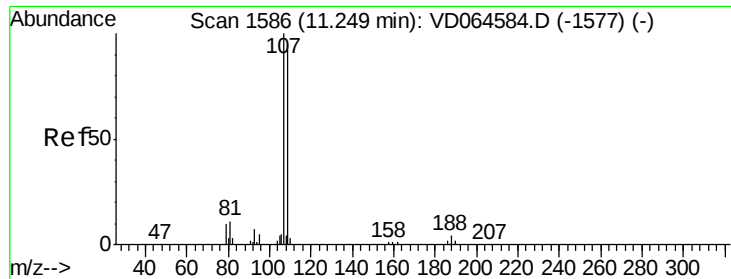
Tgt Ion: 43 Resp: 162406
Ion Ratio Lower Upper
43 100
58 49.9 26.4 79.0



#60
Dibromochloromethane
Concen: 22.28 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 129 Resp: 78184
Ion Ratio Lower Upper
129 100
127 78.9 38.4 115.2

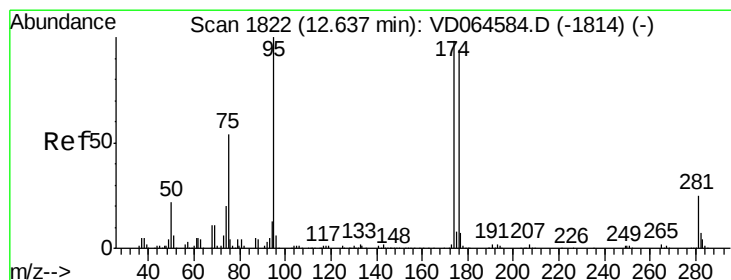
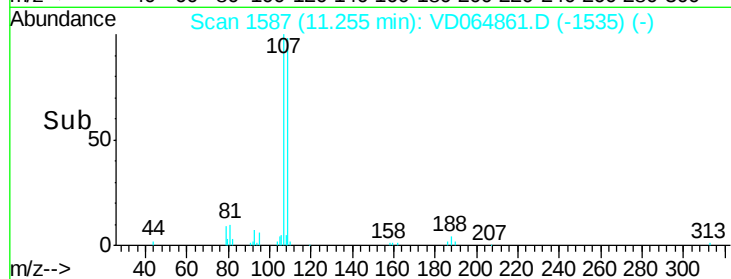
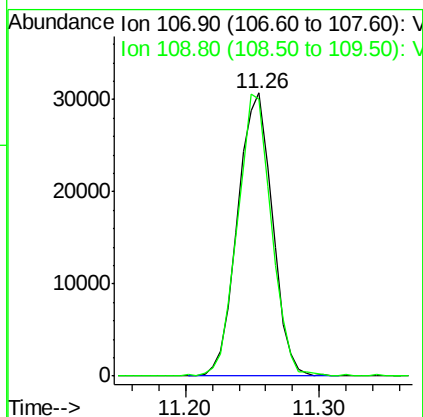
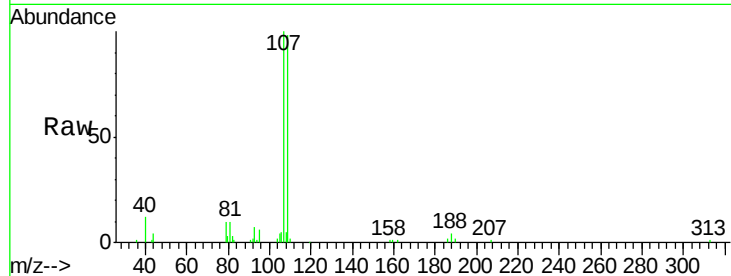




#61
 1,2-Dibromoethane
 Concen: 22.07 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

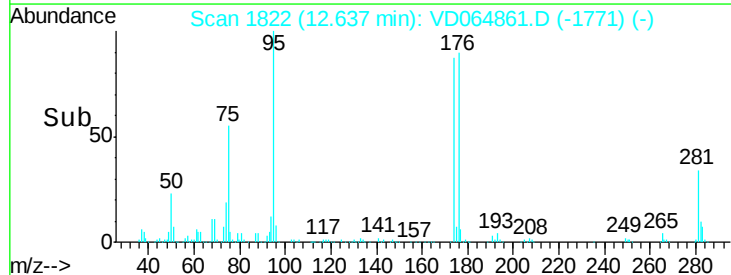
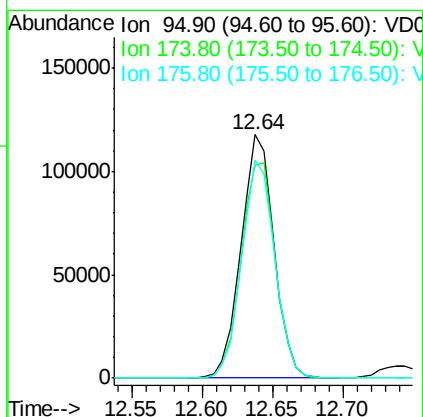
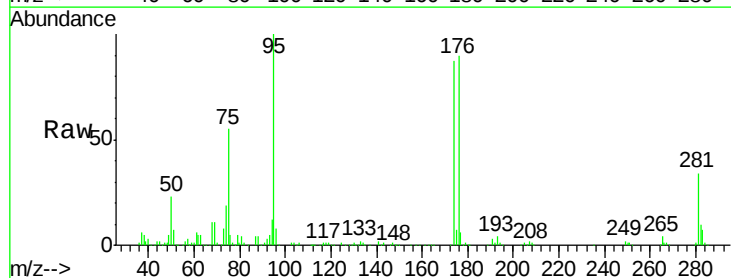
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

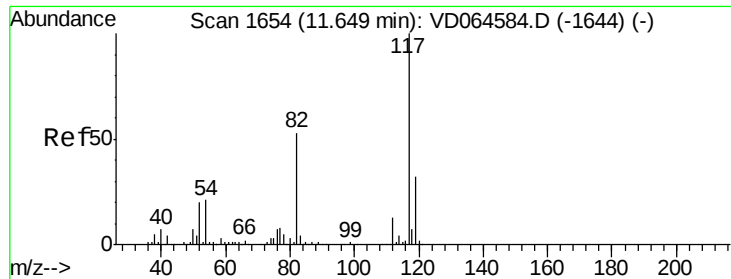
Tgt Ion: 107 Resp: 55224
 Ion Ratio Lower Upper
 107 100
 109 97.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.16 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion: 95 Resp: 192638
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 193.2
 176 90.0 0.0 184.2

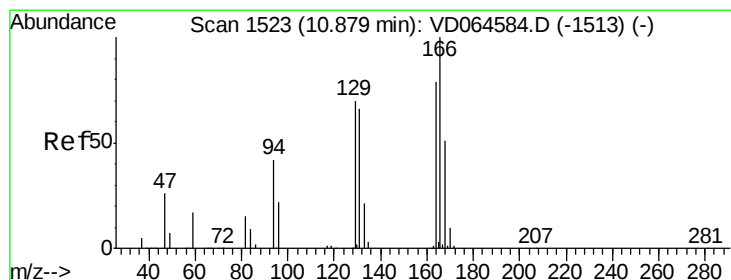
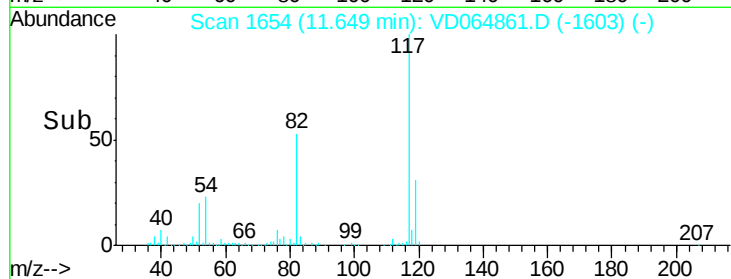
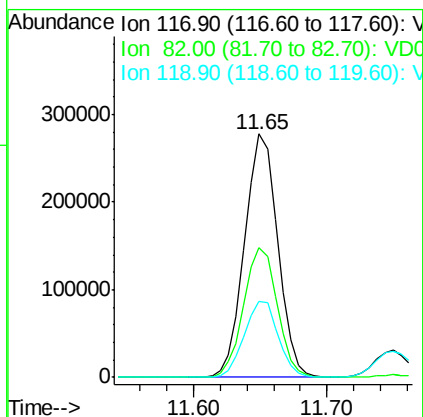
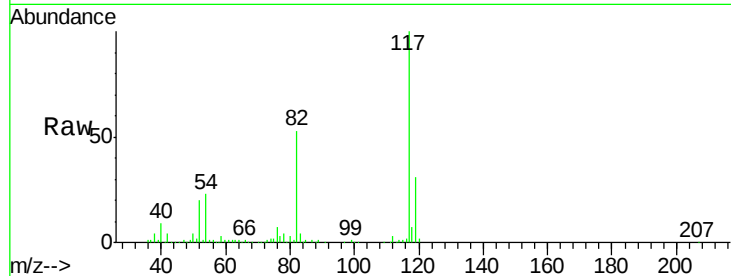




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

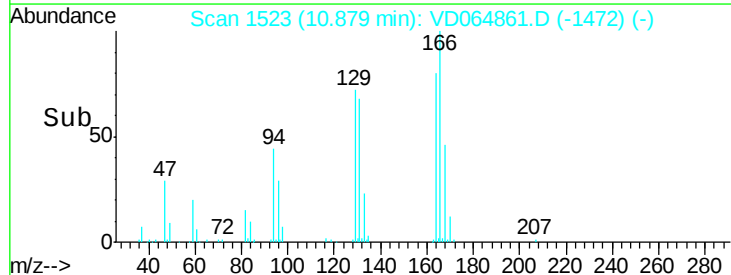
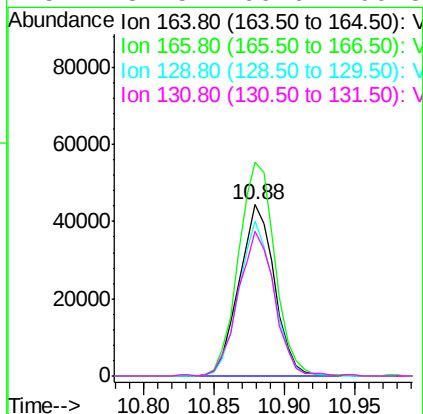
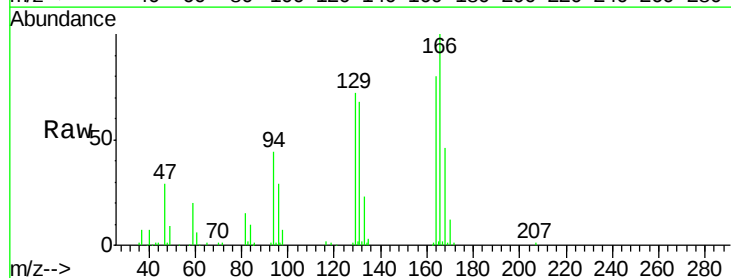
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tgt Ion:117 Resp: 478135
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 31.5 26.0 39.0



#64
Tetrachloroethene
Concen: 21.24 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion:164 Resp: 77923
Ion Ratio Lower Upper
164 100
166 124.7 101.3 151.9
129 90.1 70.5 105.7
131 84.5 66.6 99.8

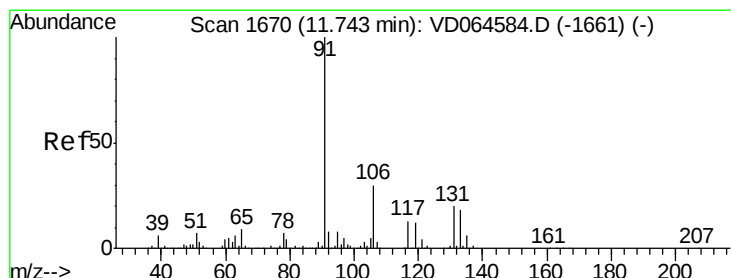
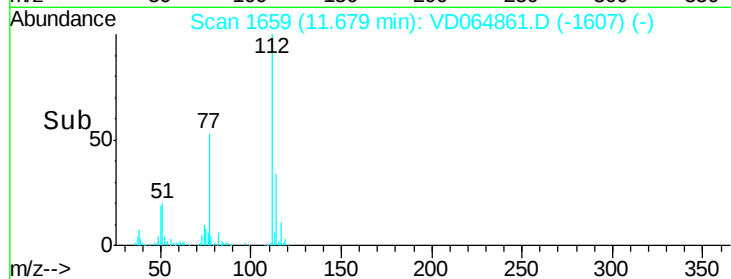
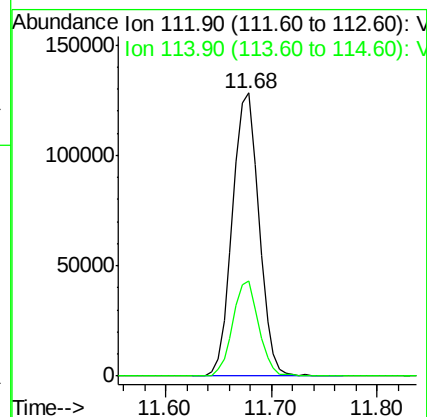
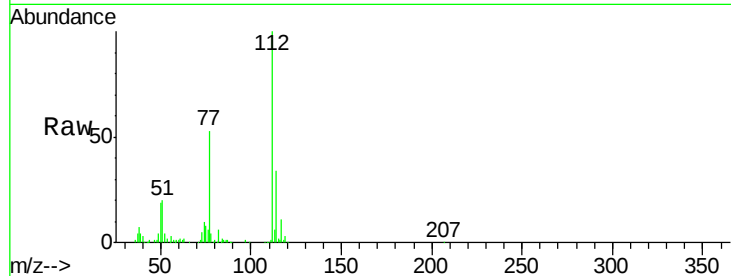




#65
Chlorobenzene
Concen: 22.45 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

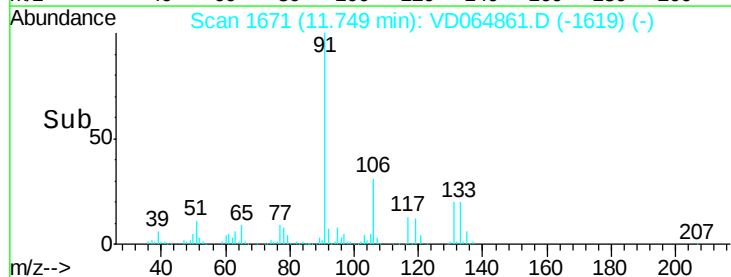
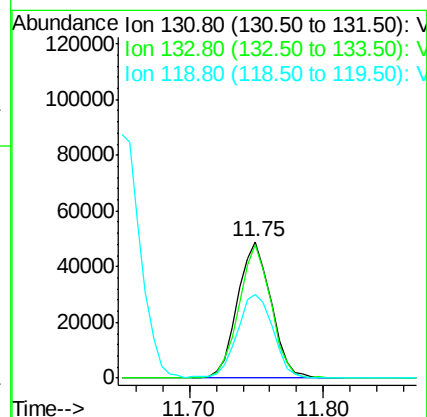
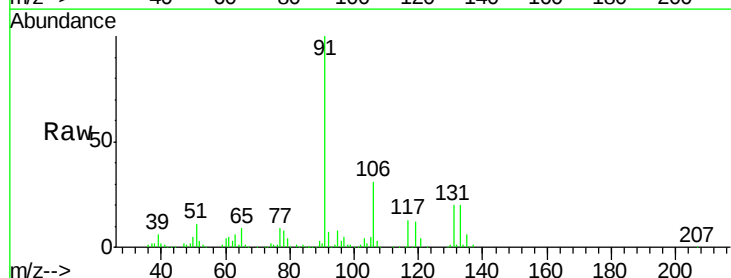
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tgt Ion:112 Resp: 222787
Ion Ratio Lower Upper
112 100
114 33.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.89 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion:131 Resp: 85632
Ion Ratio Lower Upper
131 100
133 92.9 48.3 144.8
119 64.9 32.1 96.3





#67

Ethyl Benzene

Concen: 21.49 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

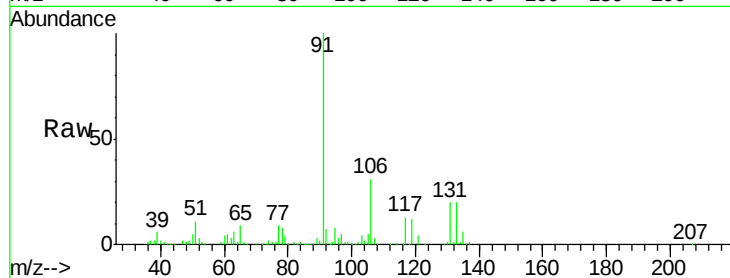
VD0117SBS01

Tgt Ion: 91 Resp: 387079

Ion Ratio Lower Upper

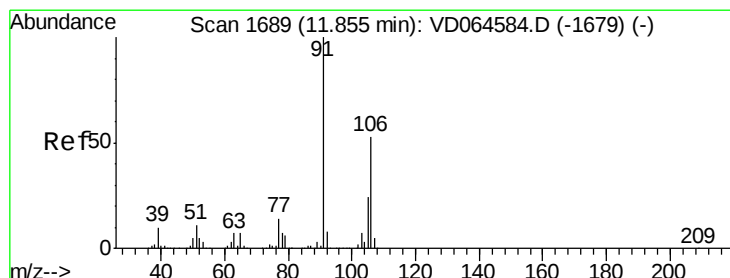
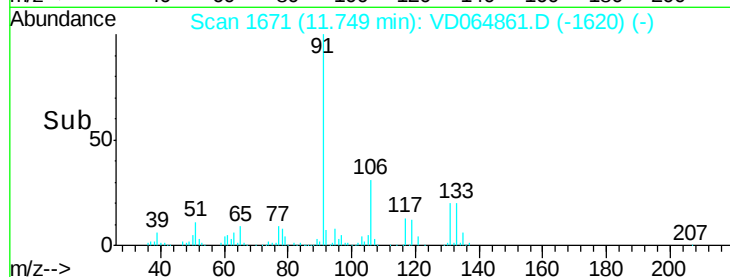
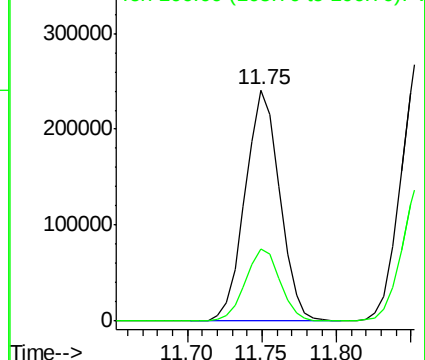
91 100

106 31.0 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.80 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064861.D

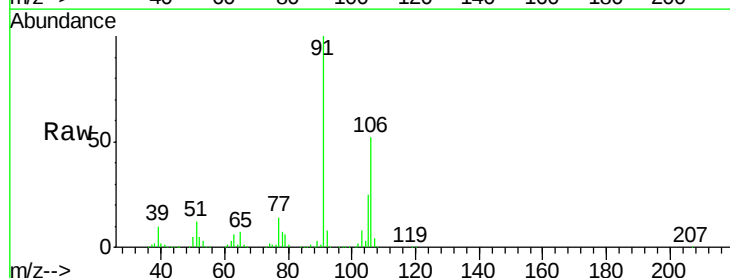
Acq: 17 Jan 2020 14:18

Tgt Ion: 106 Resp: 297579

Ion Ratio Lower Upper

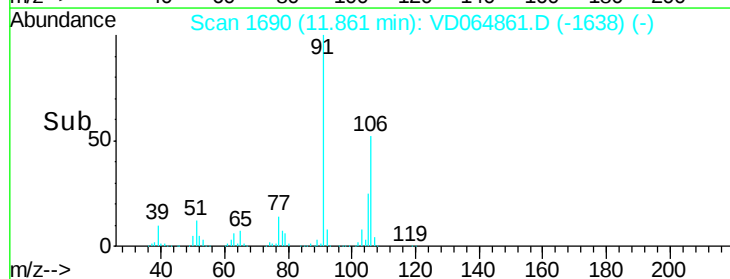
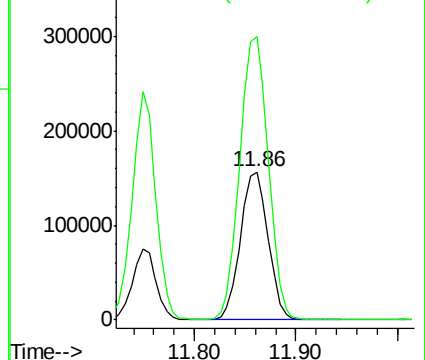
106 100

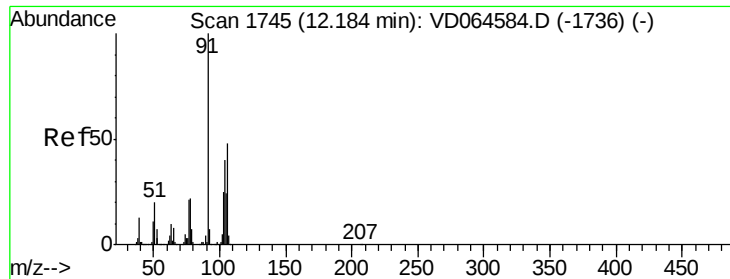
91 197.6 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

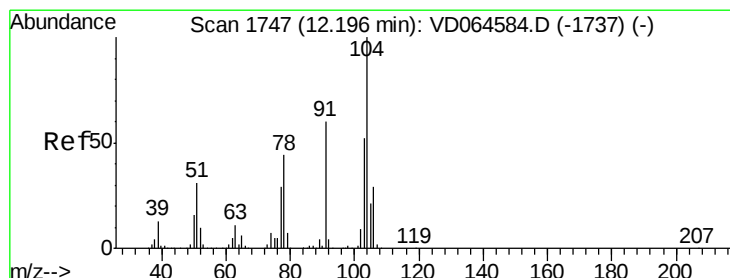
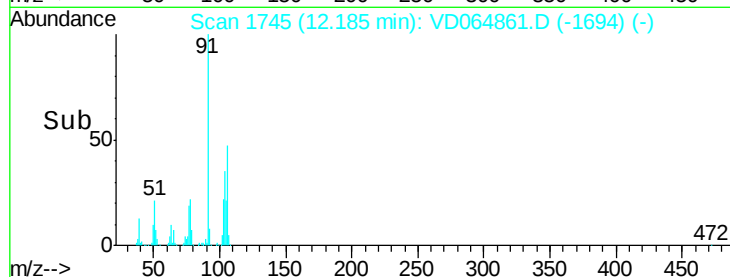
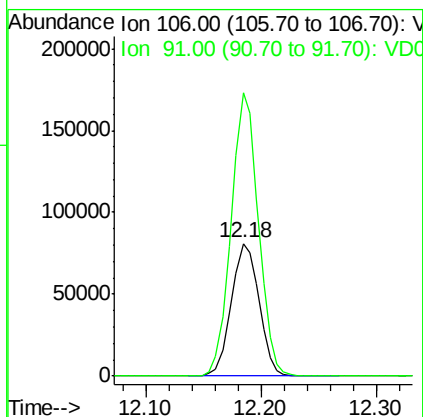
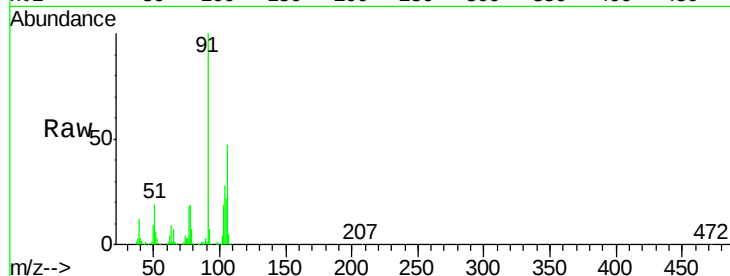




#69
o-Xylene
Concen: 21.61 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

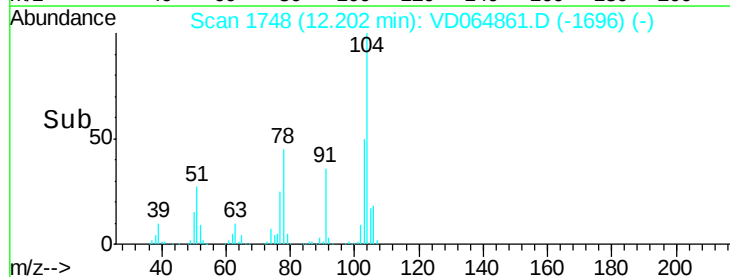
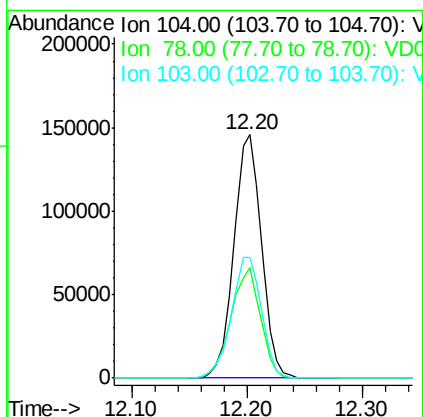
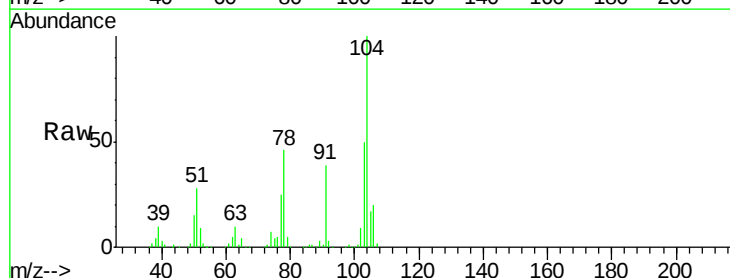
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

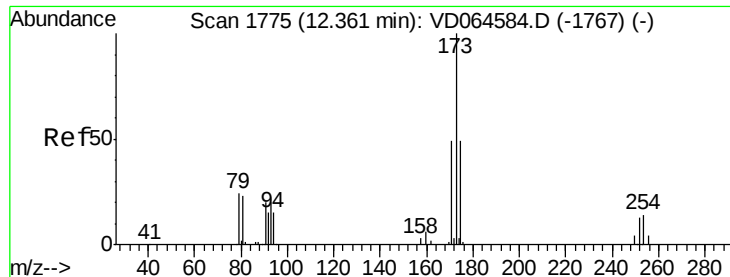
Tgt Ion:106 Resp: 135675
Ion Ratio Lower Upper
106 100
91 208.2 104.8 314.4



#70
Styrene
Concen: 21.88 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion:104 Resp: 241182
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 54.3 44.6 67.0





#71

Bromoform

Concen: 22.56 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

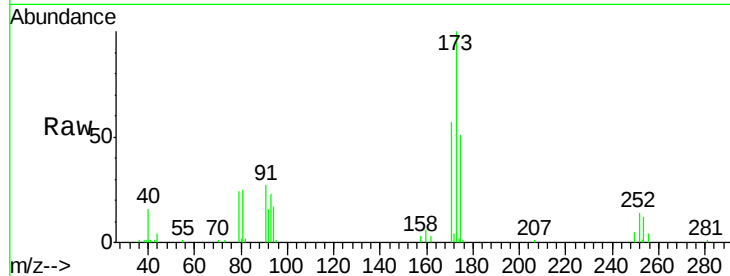
Tgt Ion:173 Resp: 48138

Ion Ratio Lower Upper

173 100

175 47.8 24.6 73.8

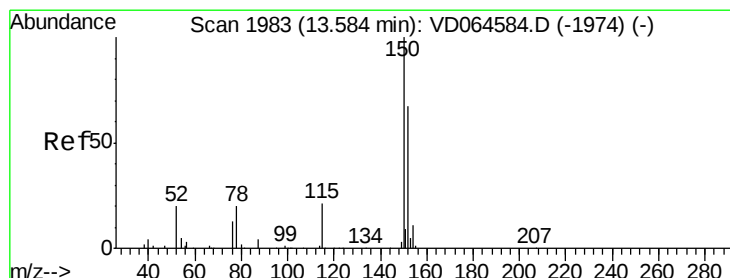
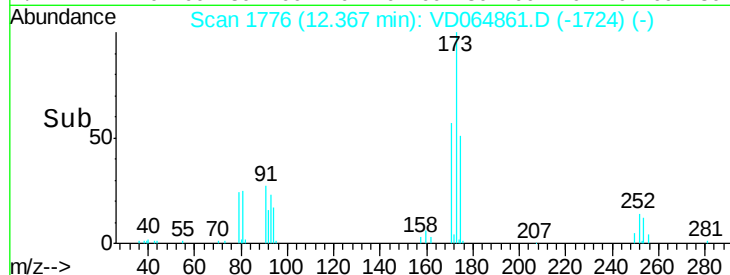
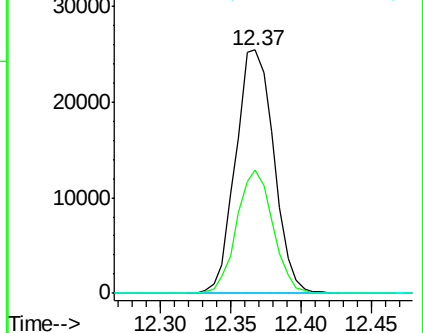
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

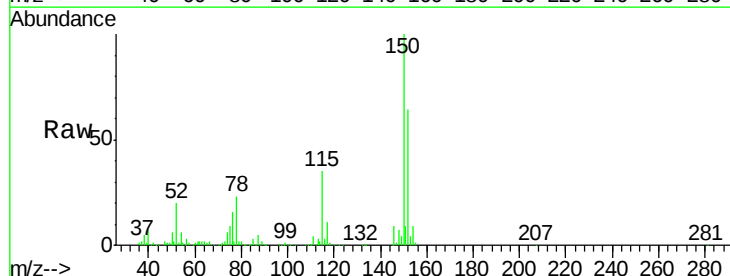
Tgt Ion:152 Resp: 237778

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

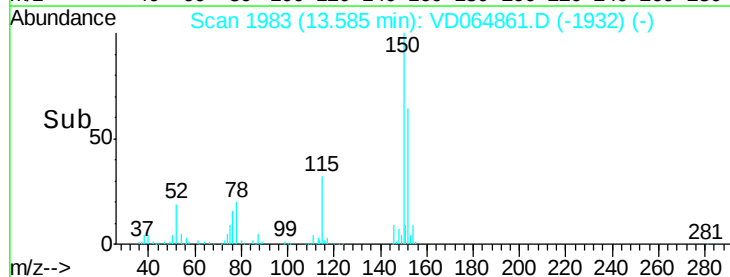
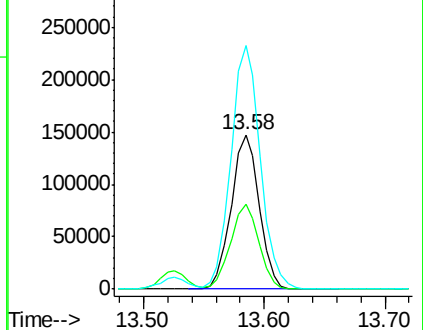
150 165.0 0.0 351.4

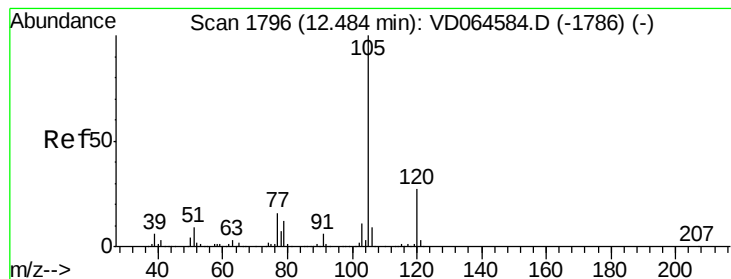


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.50 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

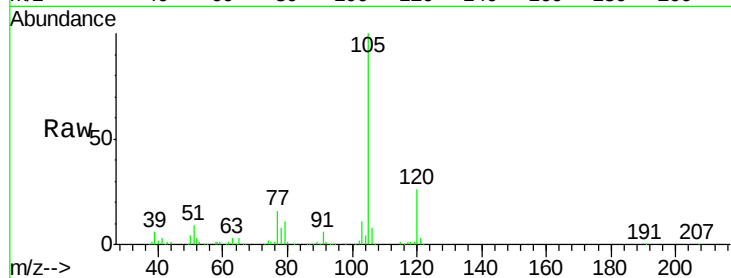
VD0117SBS01

Tgt Ion:105 Resp: 365383

Ion Ratio Lower Upper

105 100

120 25.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

150000

100000

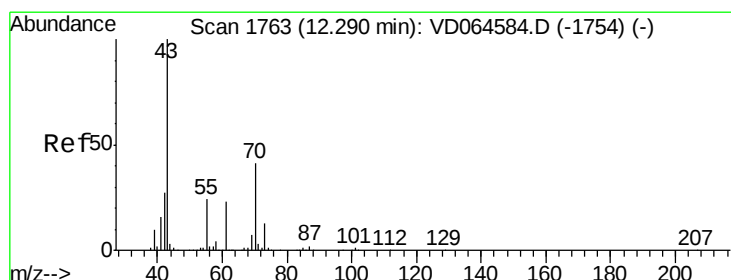
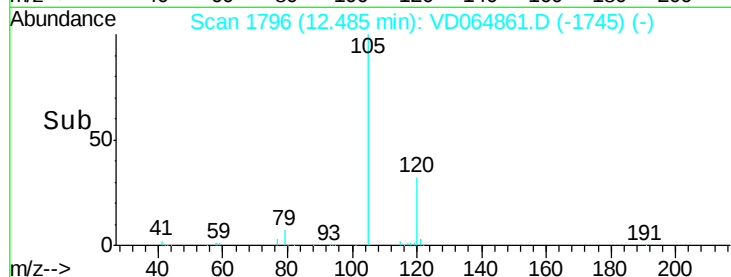
50000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 22.96 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Tgt Ion: 43 Resp: 83381

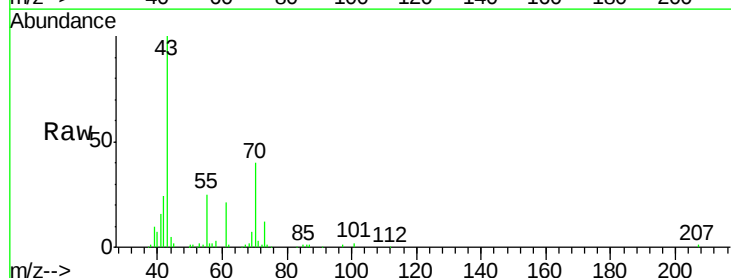
Ion Ratio Lower Upper

43 100

70 41.2 33.4 50.0

55 25.3 19.4 29.0

61 22.5 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

80000

60000

40000

20000

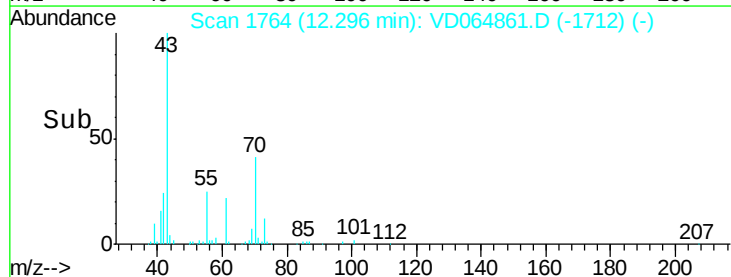
0

Time-->

12.20

12.30

12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 23.02 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

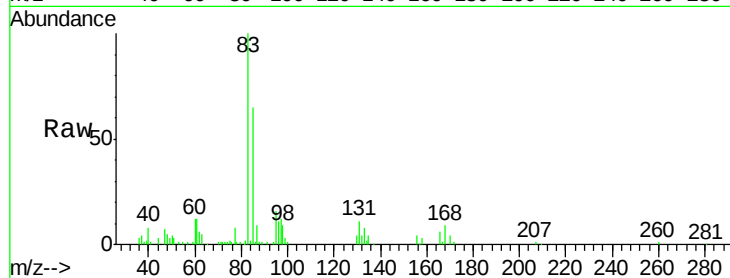
Tgt Ion: 83 Resp: 61451

Ion Ratio Lower Upper

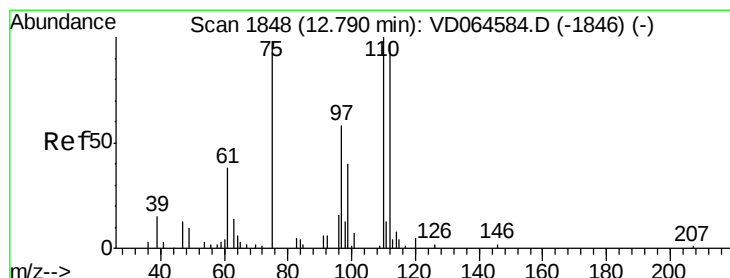
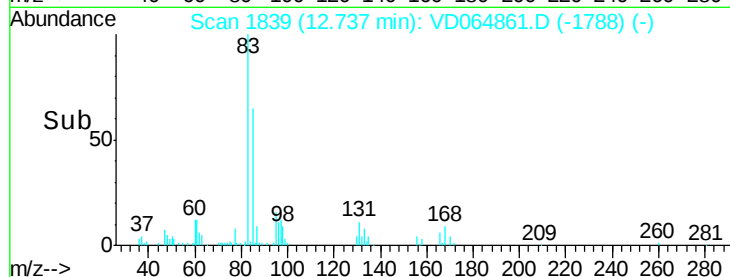
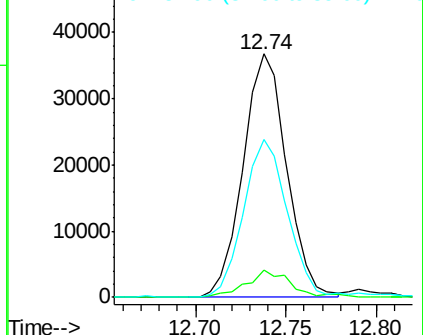
83 100

131 11.5 5.8 17.4

85 65.4 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 43.03 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064861.D

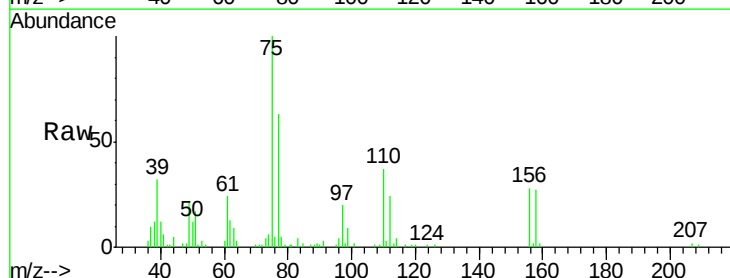
Acq: 17 Jan 2020 14:18

Tgt Ion: 75 Resp: 80792

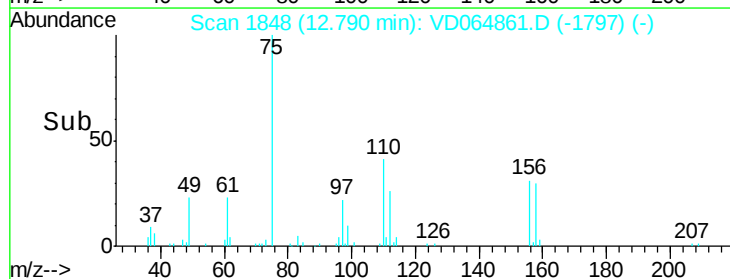
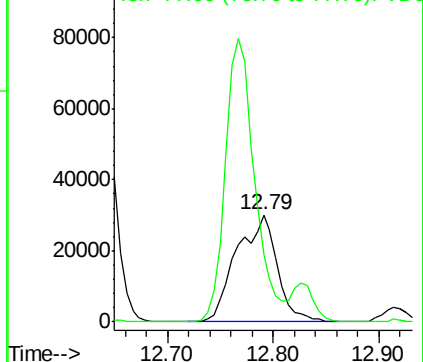
Ion Ratio Lower Upper

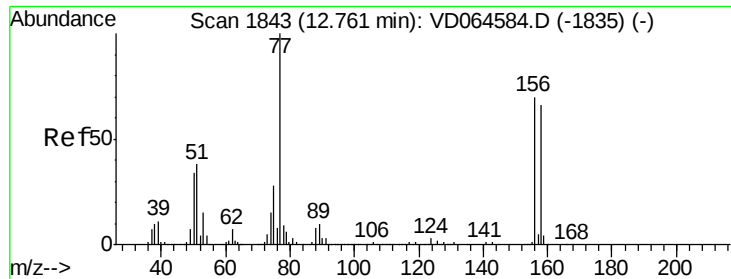
75 100

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: 21.82 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

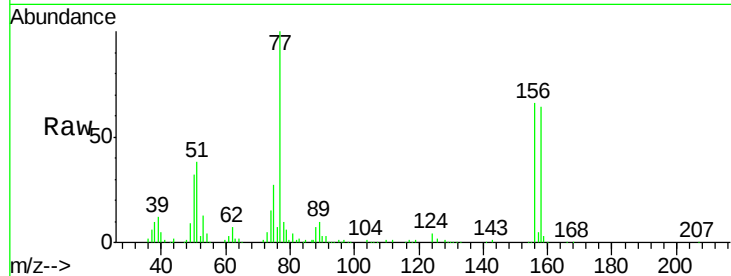
Tgt Ion:156 Resp: 91099

Ion Ratio Lower Upper

156 100

77 167.2 80.9 242.7

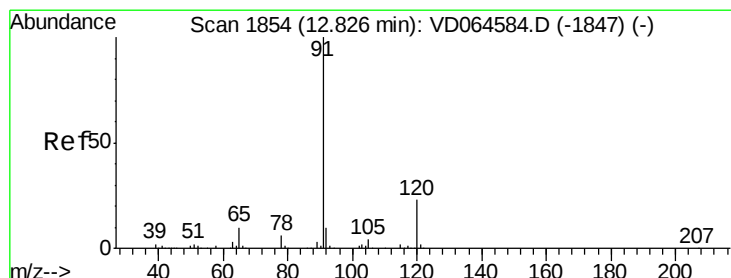
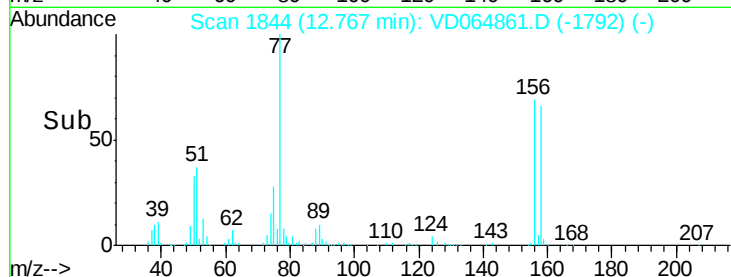
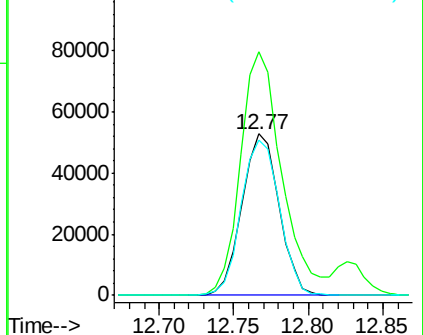
158 98.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.87 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064861.D

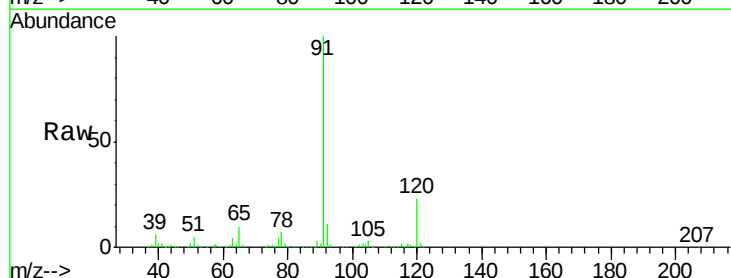
Acq: 17 Jan 2020 14:18

Tgt Ion: 91 Resp: 433508

Ion Ratio Lower Upper

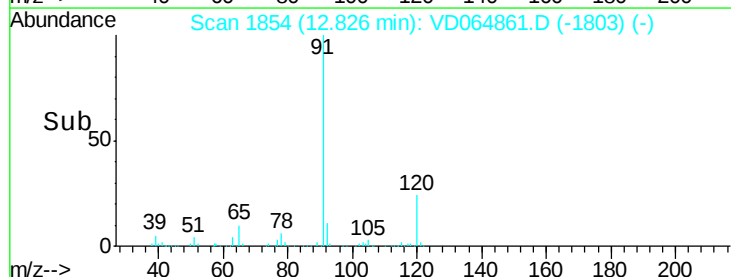
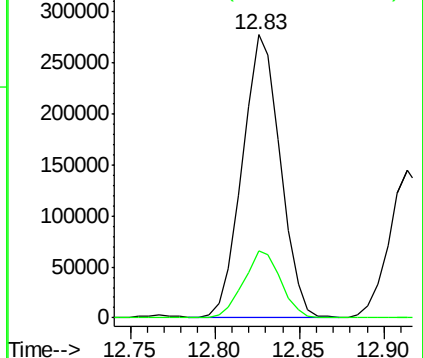
91 100

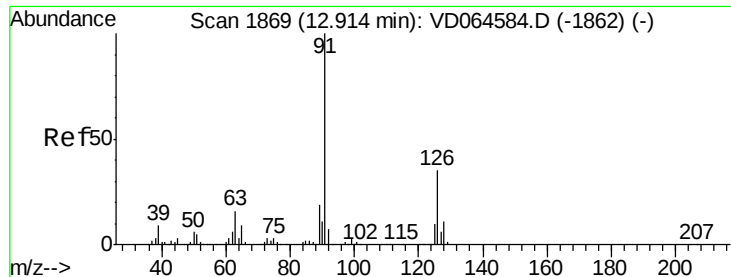
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.79 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

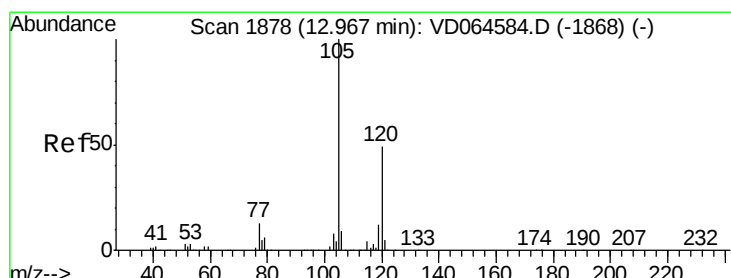
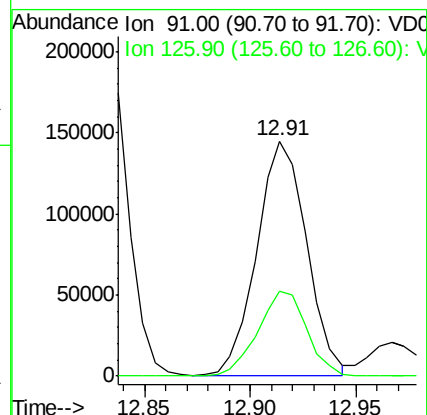
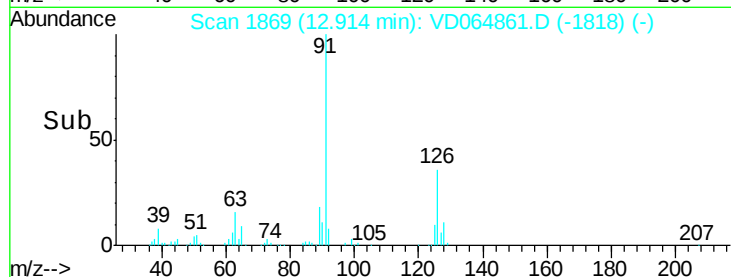
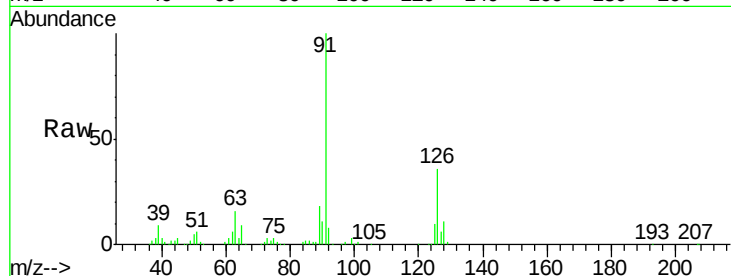
VD0117SBS01

Tgt Ion: 91 Resp: 237329

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 21.87 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064861.D

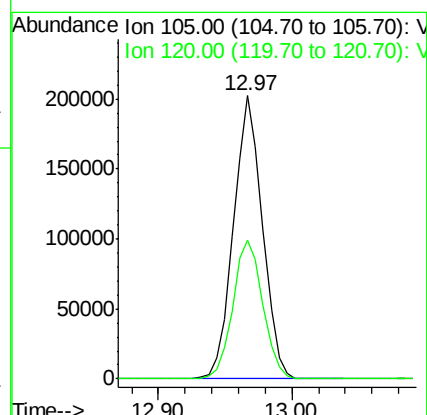
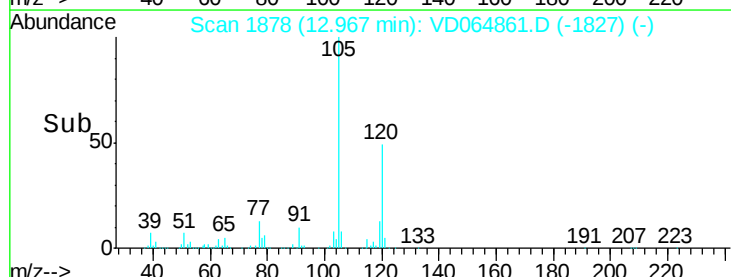
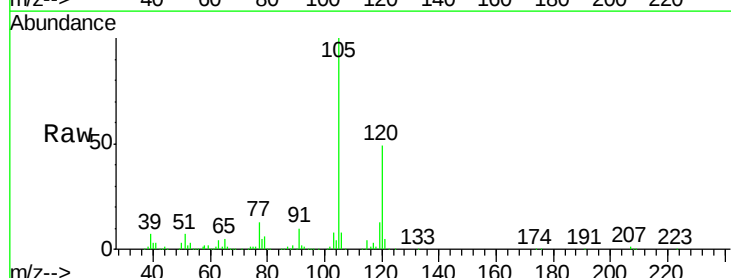
Acq: 17 Jan 2020 14:18

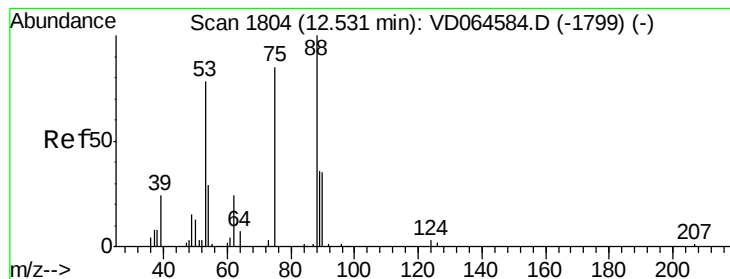
Tgt Ion: 105 Resp: 305289

Ion Ratio Lower Upper

105 100

120 50.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 23.73 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064861.D

Acq: 17 Jan 2020 14:18

Instrument :

MSVOA_D

ClientSampleId :

VD0117SBS01

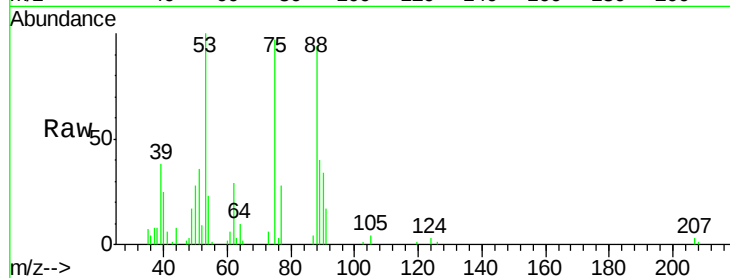
Tgt Ion: 75 Resp: 21303

Ion Ratio Lower Upper

75 100

53 99.0 78.8 118.2

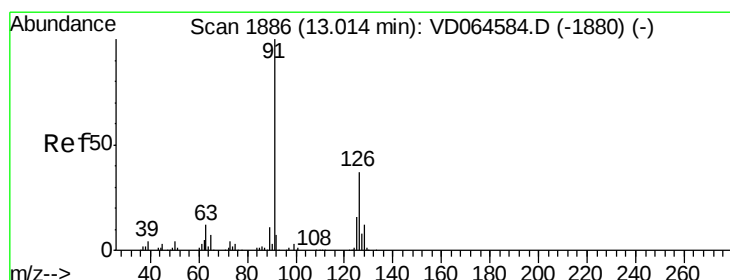
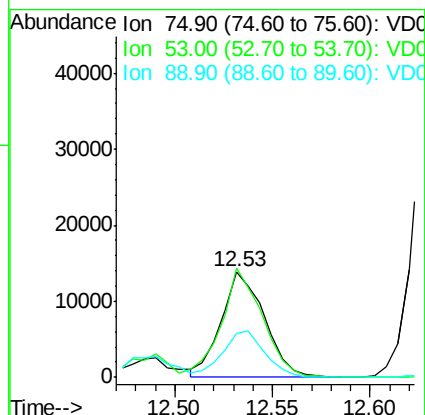
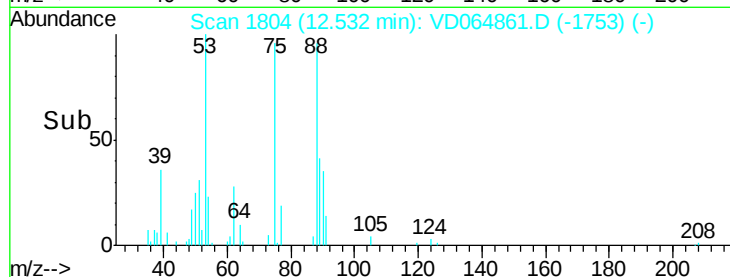
89 43.2 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.75 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064861.D

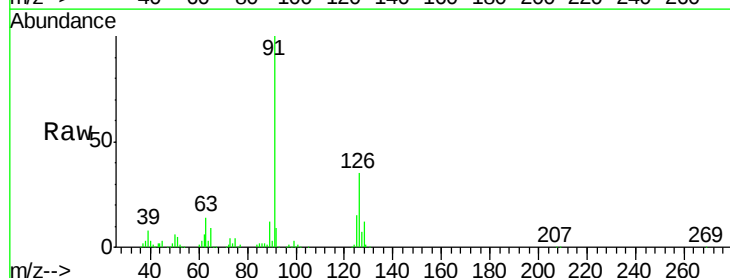
Acq: 17 Jan 2020 14:18

Tgt Ion: 91 Resp: 252061

Ion Ratio Lower Upper

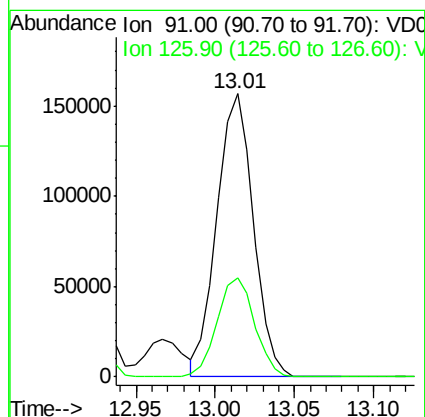
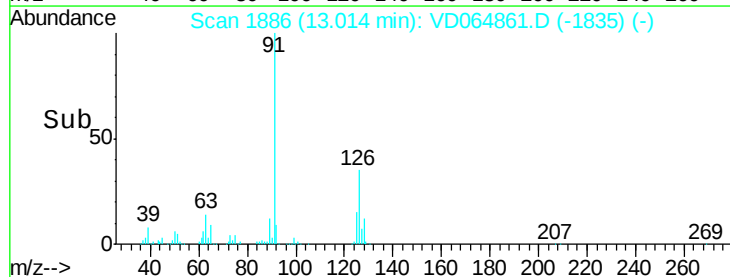
91 100

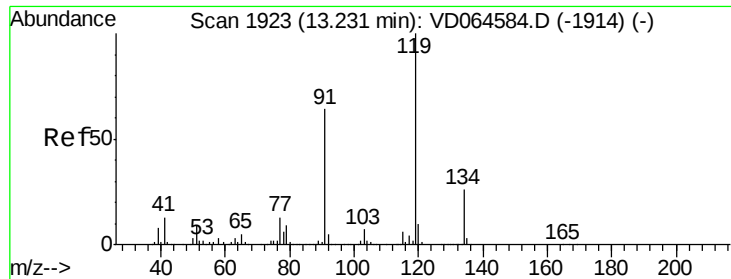
126 35.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

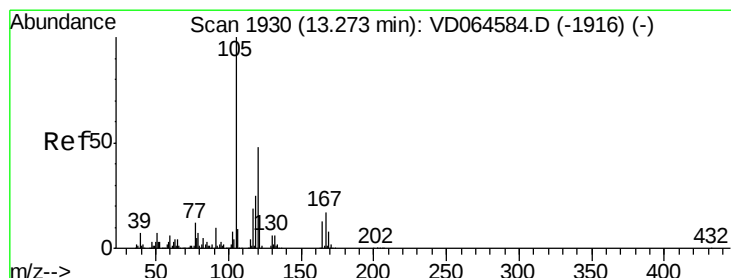
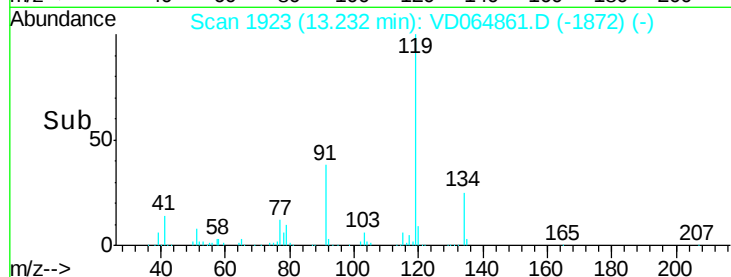
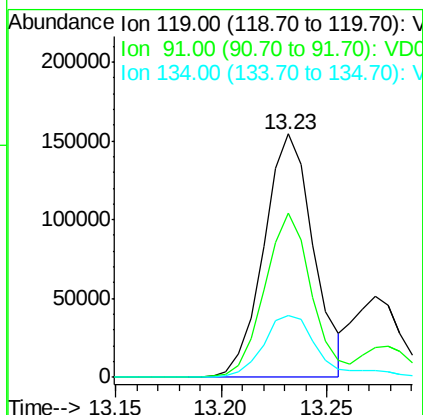
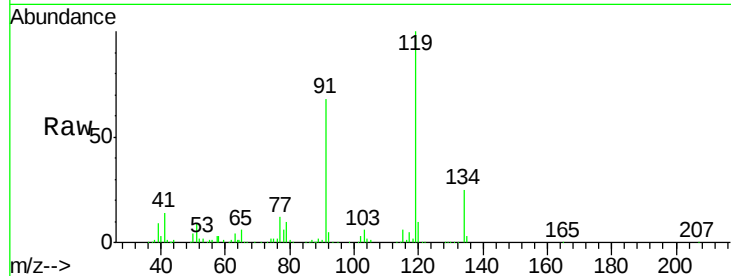




#83
 tert-Butylbenzene
 Concen: 20.84 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

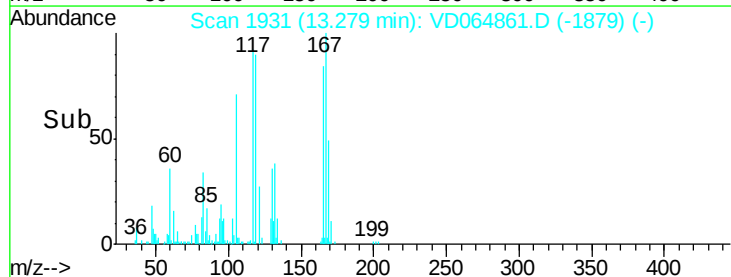
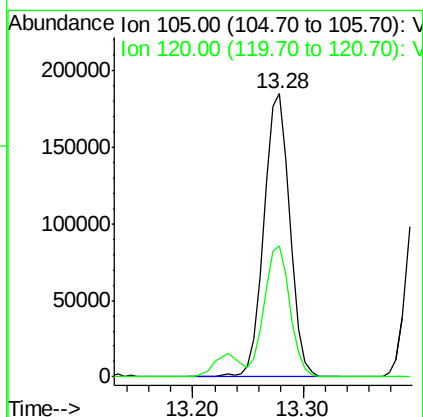
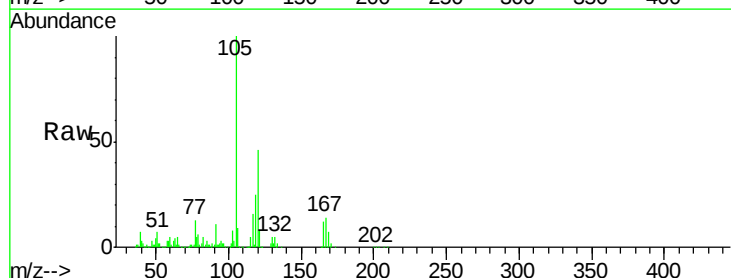
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

Tgt Ion:119 Resp: 252575
 Ion Ratio Lower Upper
 119 100
 91 64.5 30.8 92.4
 134 28.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.86 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion:105 Resp: 303870
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.8 71.2

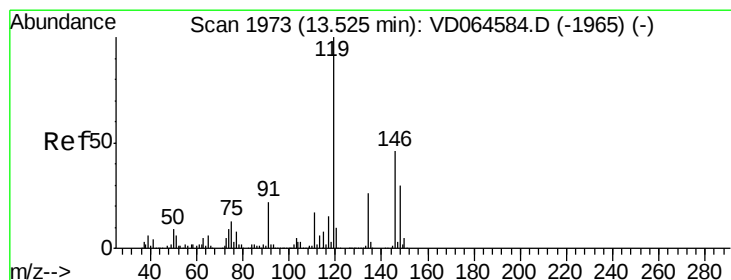
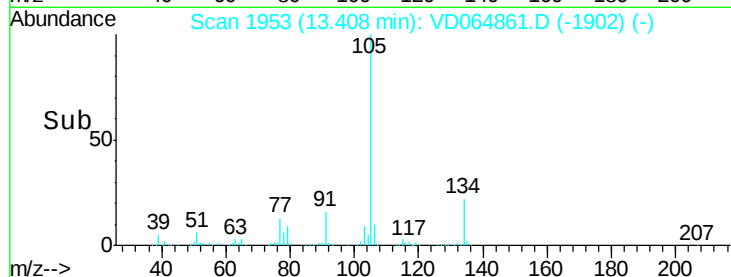
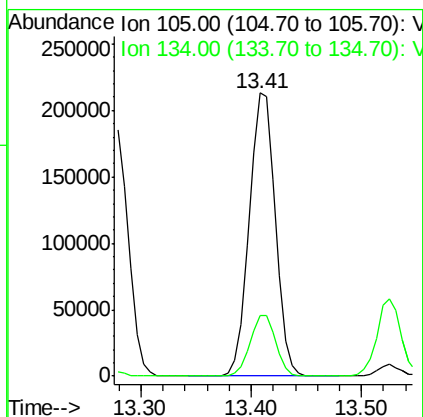
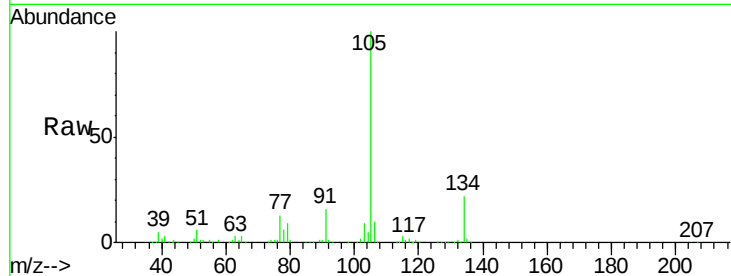




#85
 sec-Butylbenzene
 Concen: 21.34 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

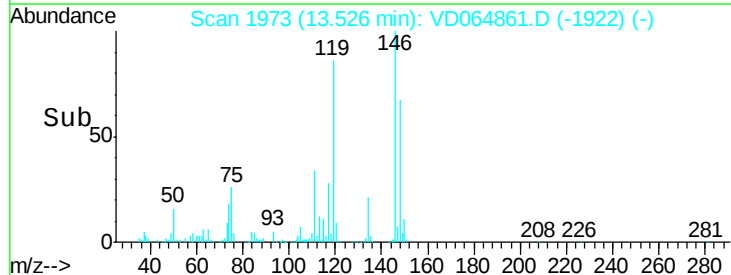
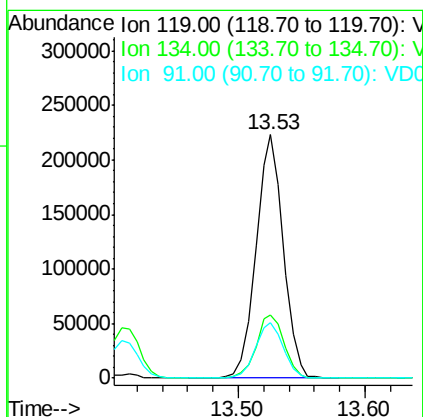
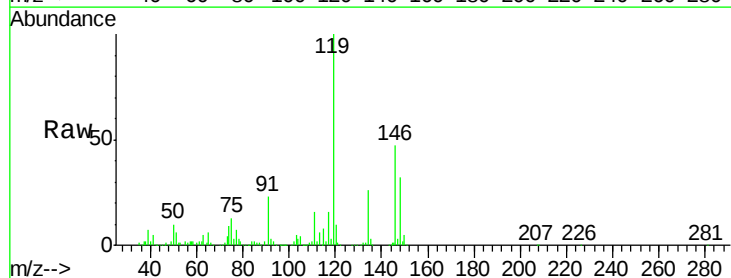
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

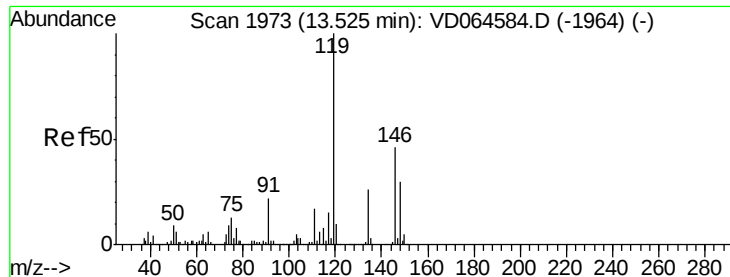
Tgt Ion:105 Resp: 354631
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 20.95 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion:119 Resp: 332858
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 23.4 11.2 33.6

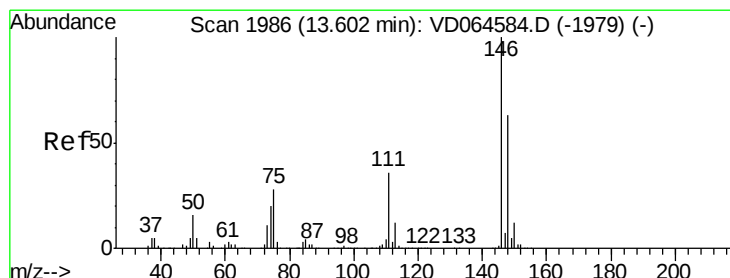
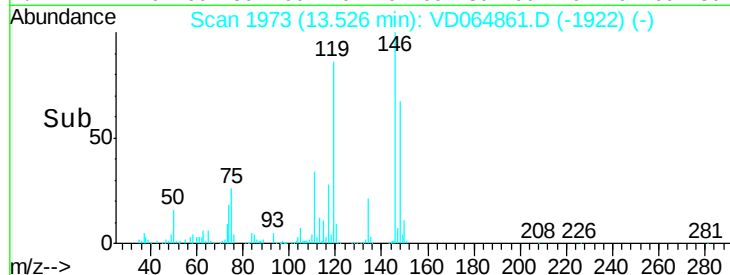
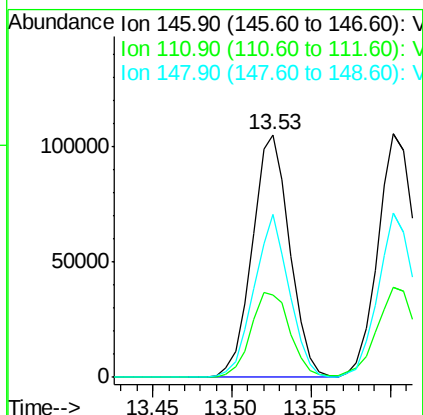
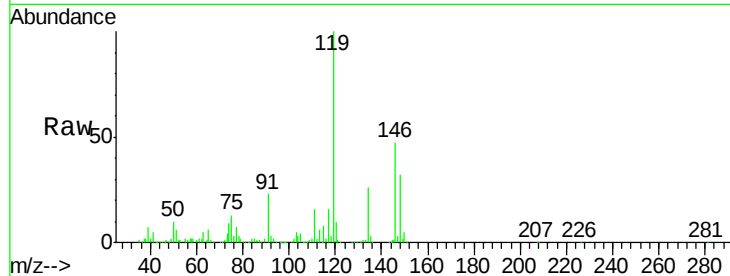




#87
 1,3-Dichlorobenzene
 Concen: 21.64 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

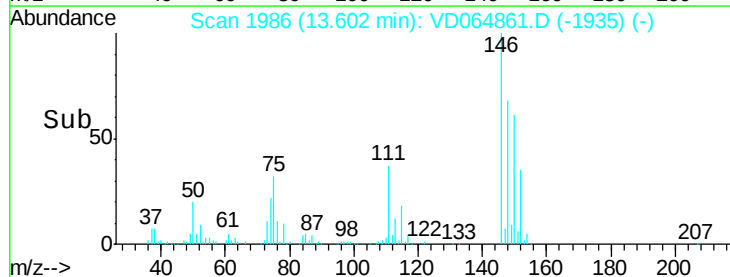
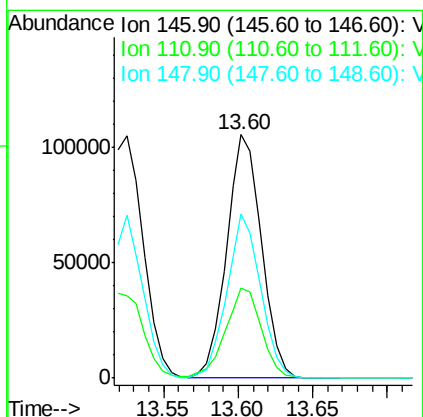
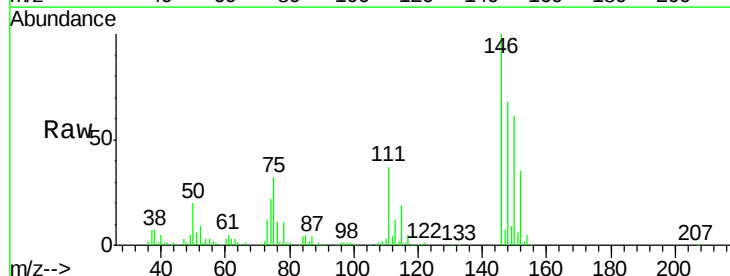
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

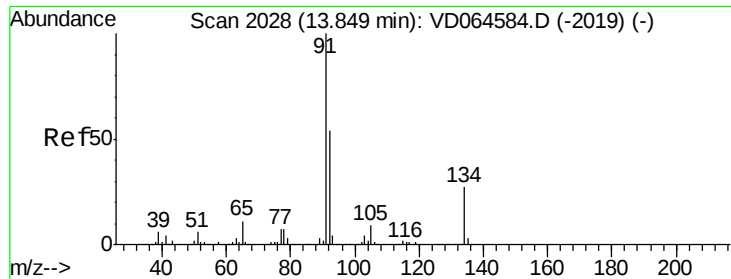
Tgt Ion:146 Resp: 172238
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.8 56.4
 148 63.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 21.99 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion:146 Resp: 171926
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.1 54.1
 148 65.6 32.3 96.9

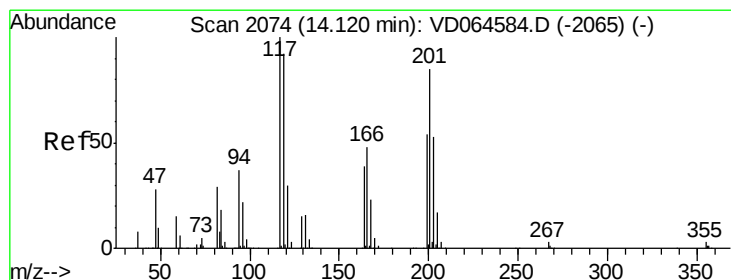
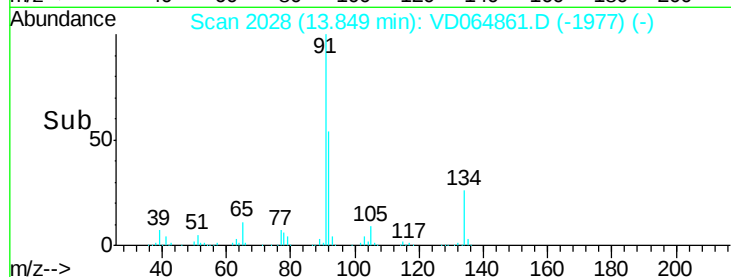
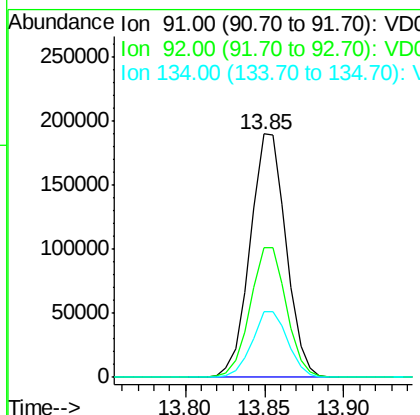
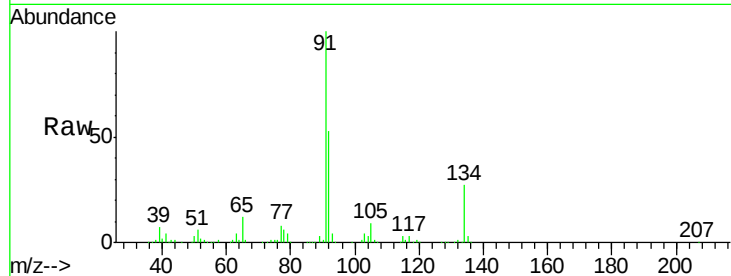




#89
n-Butylbenzene
Concen: 20.91 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

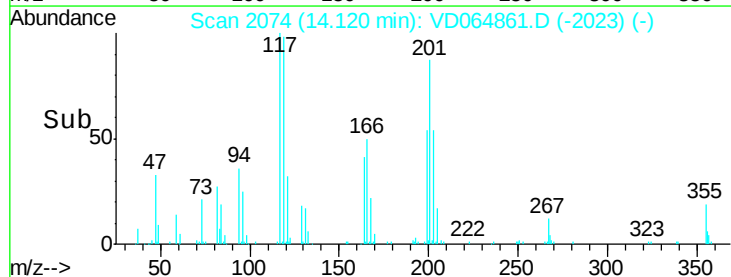
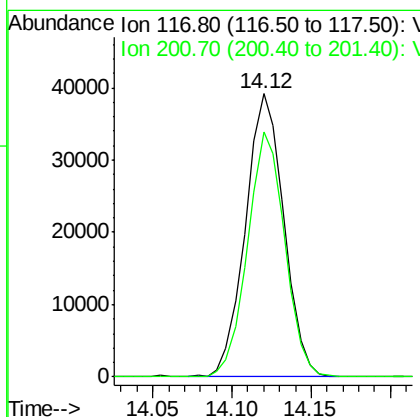
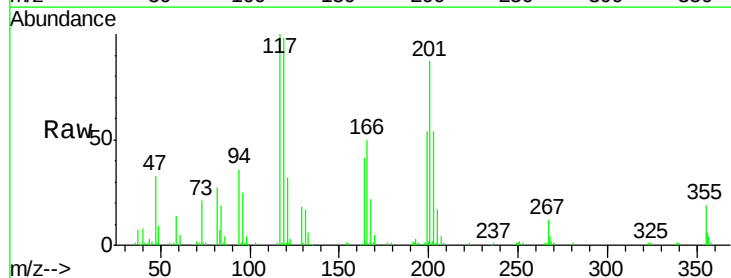
Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

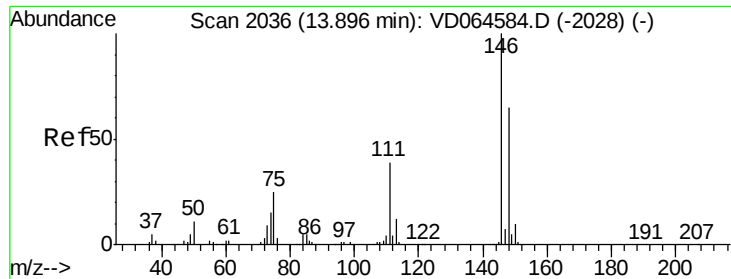
Tgt Ion: 91 Resp: 299191
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 27.3 14.0 41.9



#90
Hexachloroethane
Concen: 21.68 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion: 117 Resp: 65788
Ion Ratio Lower Upper
117 100
201 84.0 44.0 131.8

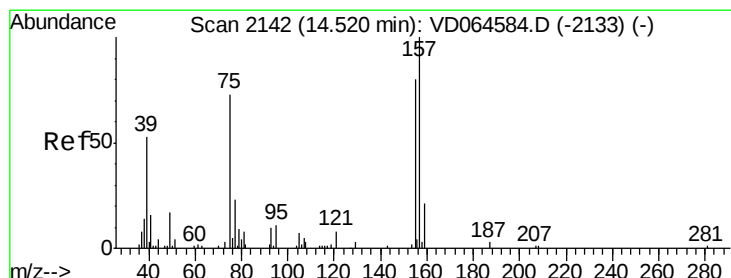
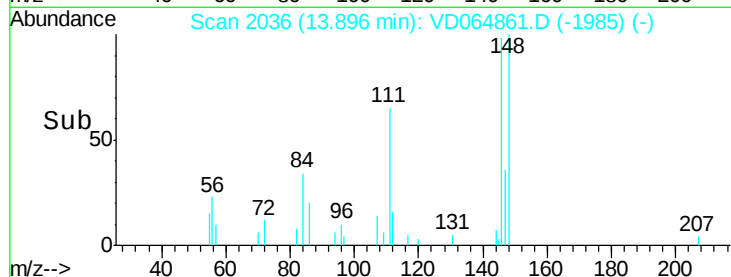
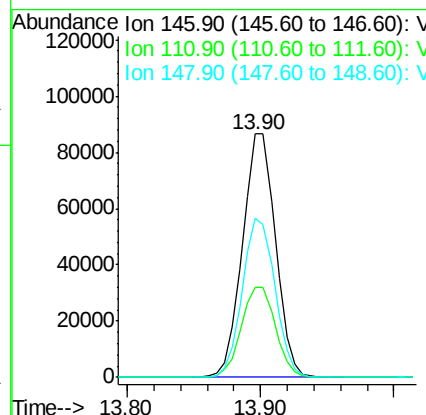
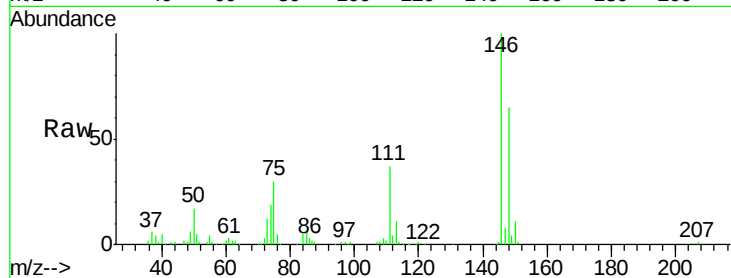




#91
 1,2-Dichlorobenzene
 Concen: 21.82 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

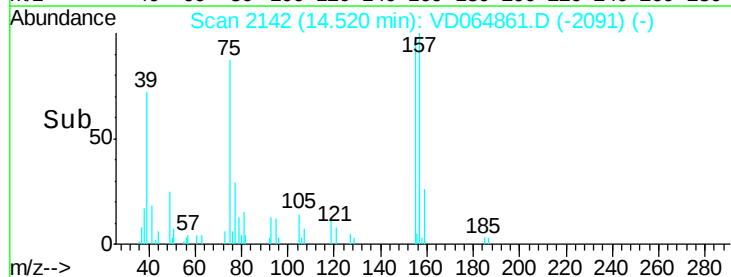
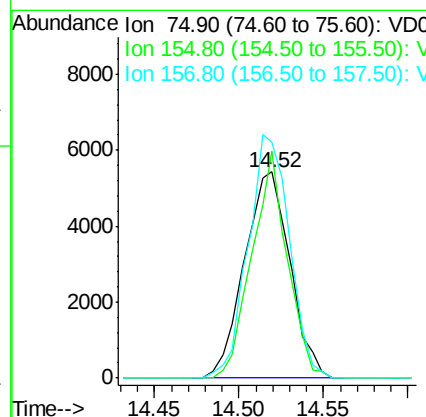
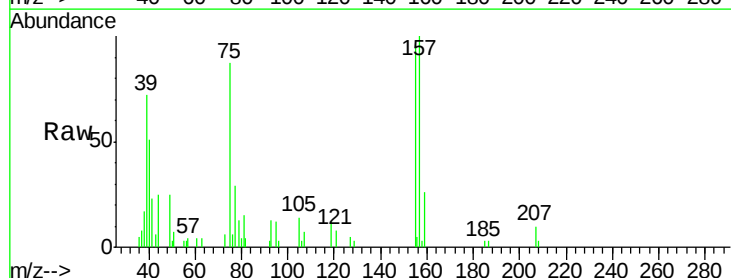
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

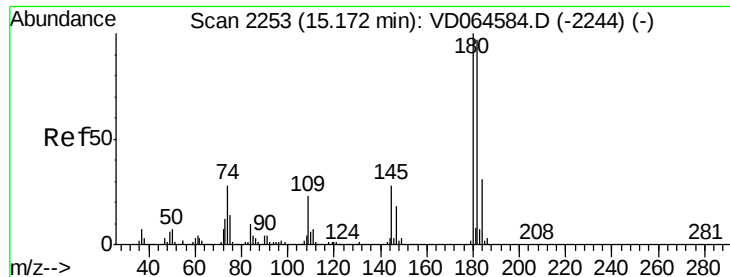
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.50 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	48.0	144.0
157	107.3	64.1	192.3

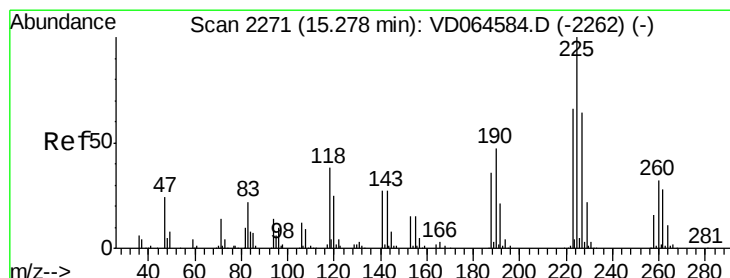
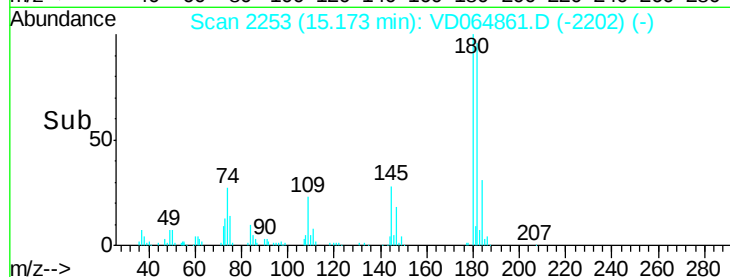
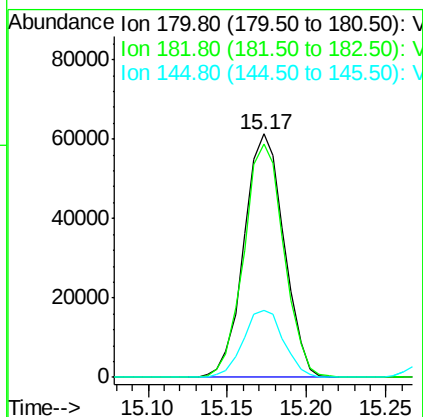
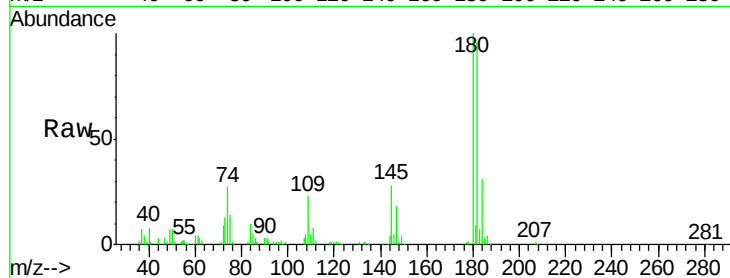




#93
 1,2,4-Trichlorobenzene
 Concen: 21.51 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

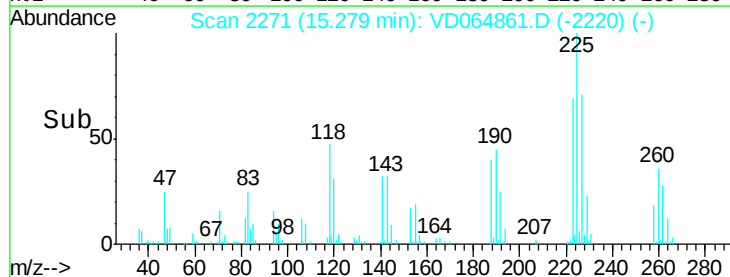
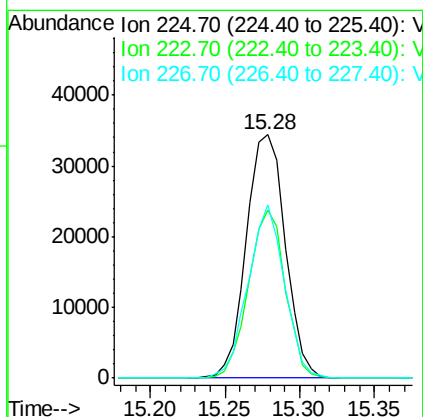
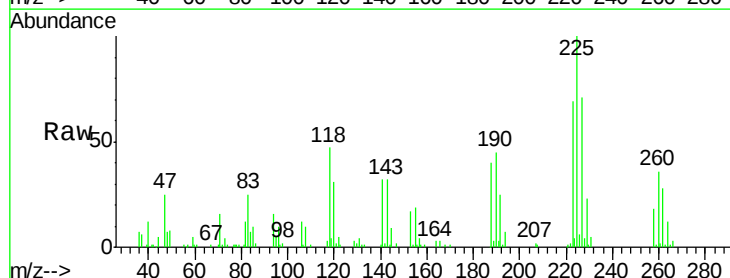
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0117SBS01

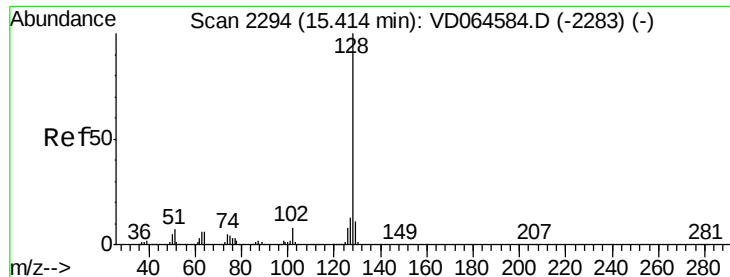
Tgt Ion:180 Resp: 107500
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.0 144.2
 145 28.1 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 19.69 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064861.D
 Acq: 17 Jan 2020 14:18

Tgt Ion:225 Resp: 61925
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.1 93.2
 227 66.9 30.9 92.7

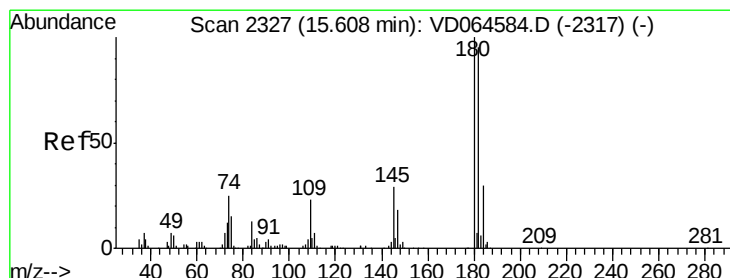
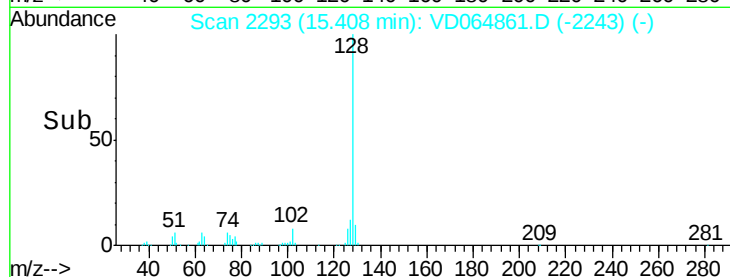
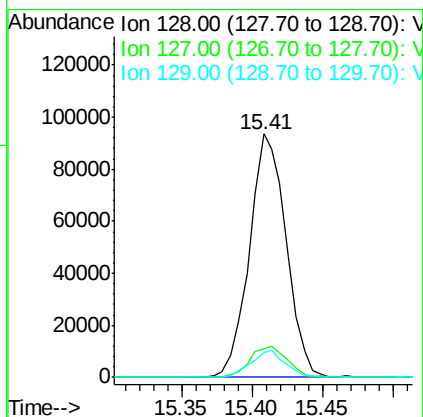
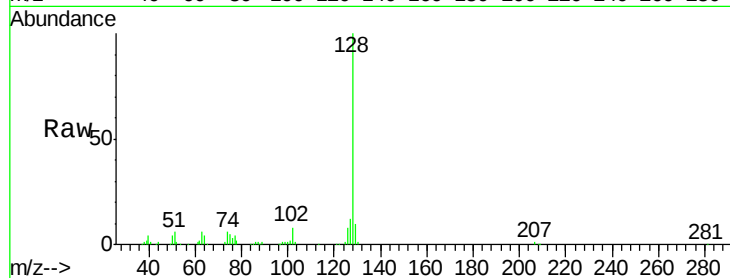




#95
Naphthalene
Concen: 21.59 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Instrument :
MSVOA_D
ClientSampleId :
VD0117SBS01

Tgt Ion:128 Resp: 170653
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 21.22 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064861.D
Acq: 17 Jan 2020 14:18

Tgt Ion:180 Resp: 90519
Ion Ratio Lower Upper
180 100
182 96.5 47.9 143.7
145 30.8 14.9 44.7

