

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\NOT REVIEWED DATA\
 Data File : VD064307.D
 Acq On : 20 Nov 2019 12:13
 Operator : VA/SY
 Sample : VD1120SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Quant Time: Nov 20 13:15:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	584549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	845669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	732877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355583	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	233116	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.92	113	245782	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	898108	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.64	95	298190	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	86852	17.915 ug/l	95
3) Chloromethane	2.21	50	107748	20.720 ug/l	98
4) Vinyl Chloride	2.35	62	129902	23.360 ug/l	93
5) Bromomethane	2.76	94	89954	25.617 ug/l	90
6) Chloroethane	2.92	64	88104	24.795 ug/l	96
7) Trichlorofluoromethane	3.27	101	226453	25.117 ug/l	100
8) Diethyl Ether	3.71	74	49452	19.948 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	102036	19.801 ug/l	98
10) Methyl Iodide	4.30	142	99575	18.271 ug/l	99
11) Tert butyl alcohol	5.24	59	31118	92.672 ug/l #	69
12) 1,1-Dichloroethene	4.06	96	97257	19.801 ug/l	98
13) Acrolein	3.92	56	19381	68.227 ug/l	97
14) Allyl chloride	4.70	41	152198	17.525 ug/l	93
15) Acrylonitrile	5.43	53	111148	105.171 ug/l	99
16) Acetone	4.17	43	96684	84.891 ug/l	93
17) Carbon Disulfide	4.40	76	279284	18.258 ug/l	100
18) Methyl Acetate	4.72	43	65870	20.707 ug/l	100
19) Methyl tert-butyl Ether	5.49	73	232471	19.825 ug/l	96
20) Methylene Chloride	4.97	84	112365	19.531 ug/l	92
21) trans-1,2-Dichloroethene	5.46	96	109837	19.737 ug/l	95
22) Diisopropyl ether	6.37	45	304817	18.917 ug/l	97
23) Vinyl Acetate	6.31	43	878026	97.753 ug/l	97
24) 1,1-Dichloroethane	6.27	63	186467	19.930 ug/l	98
25) 2-Butanone	7.22	43	137805	93.655 ug/l	95
26) 2,2-Dichloropropane	7.21	77	164854	17.967 ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	122985	20.608 ug/l	93
28) Bromochloromethane	7.54	49	51232	15.728 ug/l	96
29) Tetrahydrofuran	7.57	42	90760	102.663 ug/l	97
30) Chloroform	7.71	83	199416	20.837 ug/l	96
31) Cyclohexane	7.98	56	175318	18.580 ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	179507	19.589 ug/l	98
36) 1,1-Dichloropropene	8.11	75	152042	19.481 ug/l	100
37) Ethyl Acetate	7.30	43	61580	18.716 ug/l #	93
38) Carbon Tetrachloride	8.10	117	162467	19.454 ug/l	97

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	182366	18.466	ug/l	97
40) Benzene	8.36	78	414823	19.447	ug/l	96
41) Methacrylonitrile	7.53	41	36857	17.822	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	123021	19.203	ug/l	97
43) Isopropyl Acetate	8.46	43	127854	18.859	ug/l	98
44) Trichloroethene	9.11	130	126256	19.721	ug/l	98
45) 1,2-Dichloropropane	9.39	63	102901	19.820	ug/l	93
46) Dibromomethane	9.48	93	57906	20.833	ug/l	98
47) Bromodichloromethane	9.67	83	147593	19.714	ug/l	98
48) Methyl methacrylate	9.46	41	58800	17.738	ug/l	91
49) 1,4-Dioxane	9.47	88	13338	399.563	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	315683	97.103	ug/l	99
52) Toluene	10.41	92	273146	19.474	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	138057	18.406	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	168582	19.261	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	79006	20.953	ug/l	97
56) Ethyl methacrylate	10.67	69	101669	19.275	ug/l	96
57) 1,3-Dichloropropane	10.95	76	134677	20.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	204748	95.830	ug/l	98
59) 2-Hexanone	10.99	43	214429	92.709	ug/l	98
60) Dibromochloromethane	11.14	129	105622	20.075	ug/l	100
61) 1,2-Dibromoethane	11.25	107	76130	20.158	ug/l	96
64) Tetrachloroethene	10.88	164	111304	19.747	ug/l	98
65) Chlorobenzene	11.67	112	295021	19.796	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	110800	19.553	ug/l	99
67) Ethyl Benzene	11.75	91	525743	19.503	ug/l	99
68) m/p-Xylenes	11.86	106	405120	39.207	ug/l	96
69) o-Xylene	12.18	106	183269	19.124	ug/l	100
70) Styrene	12.20	104	318915	19.065	ug/l	98
71) Bromoform	12.37	173	67166	20.827	ug/l #	100
73) Isopropylbenzene	12.48	105	518083	19.850	ug/l	99
74) N-amyl acetate	12.30	43	113087	18.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	82890	21.077	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	107702	37.604	ug/l #	100
77) Bromobenzene	12.77	156	126402	19.935	ug/l	99
78) n-propylbenzene	12.83	91	586354	19.664	ug/l	99
79) 2-Chlorotoluene	12.91	91	319293	18.966	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	416429	19.417	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25594	17.751	ug/l	98
82) 4-Chlorotoluene	13.01	91	339610	19.340	ug/l	99
83) tert-Butylbenzene	13.23	119	359808	19.027	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	409722	19.351	ug/l	99
85) sec-Butylbenzene	13.41	105	484870	19.090	ug/l	98
86) p-Isopropyltoluene	13.53	119	457061	18.929	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	233828	19.866	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	235841	20.530	ug/l	99
89) n-Butylbenzene	13.85	91	418631	19.190	ug/l	98
90) Hexachloroethane	14.12	117	85740	19.213	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	202424	20.319	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13276	18.881	ug/l	94

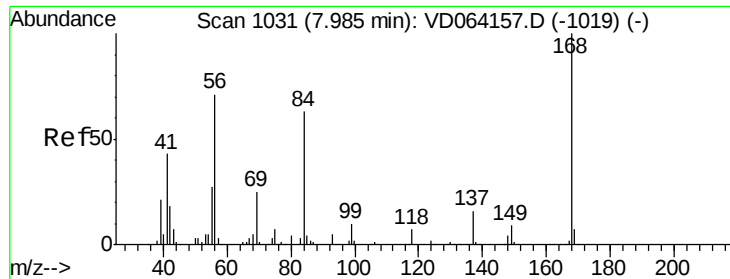
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\NOT REVIEWED DATA\
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Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	149741	19.484	ug/l	98
94) Hexachlorobutadiene	15.28	225	96016	19.343	ug/l	99
95) Naphthalene	15.41	128	255462	20.278	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	129102	19.763	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

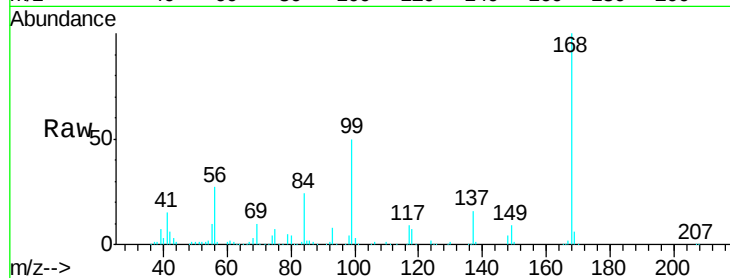
VD1120SBS01

Tgt Ion:168 Resp: 584549

Ion Ratio Lower Upper

168 100

99 50.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

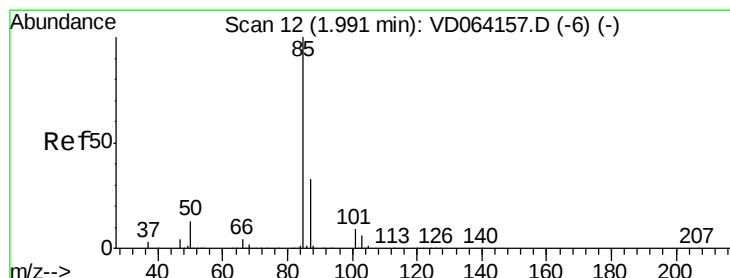
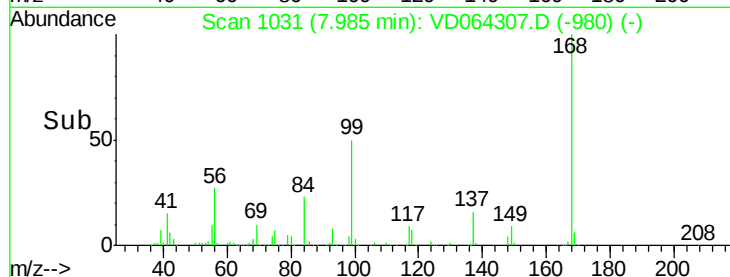
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.915 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064307.D

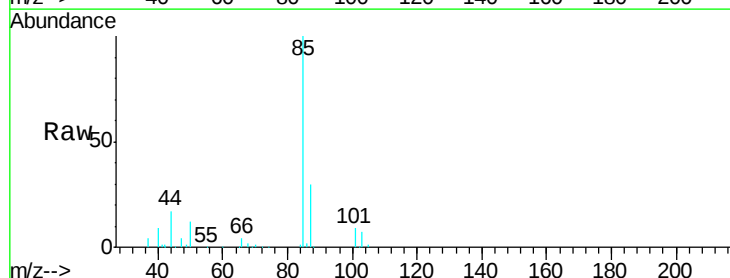
Acq: 20 Nov 2019 12:13

Tgt Ion: 85 Resp: 86852

Ion Ratio Lower Upper

85 100

87 29.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

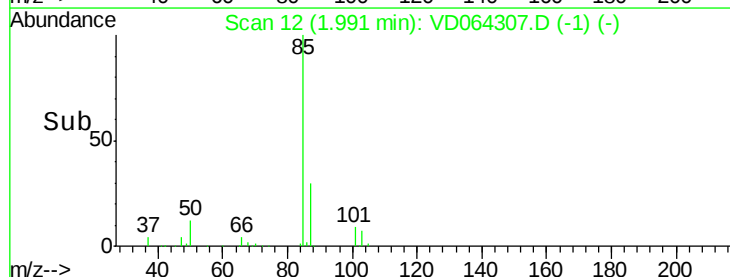
40000

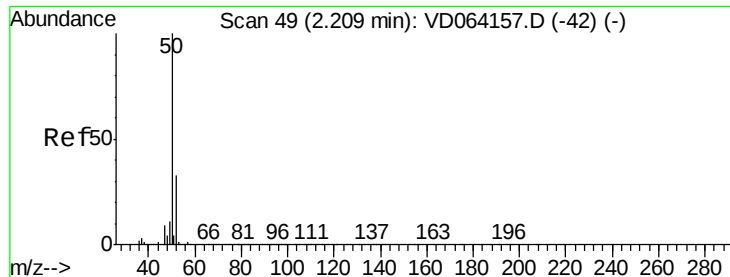
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.720 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

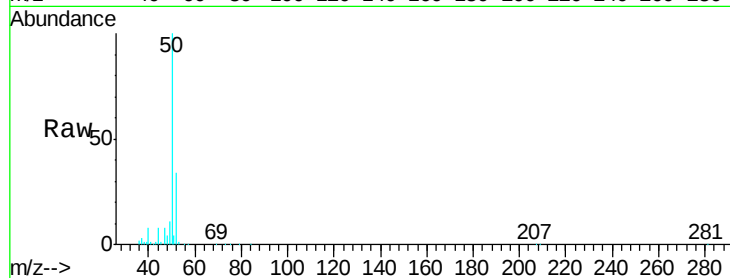
VD1120SBS01

Tgt Ion: 50 Resp: 107748

Ion Ratio Lower Upper

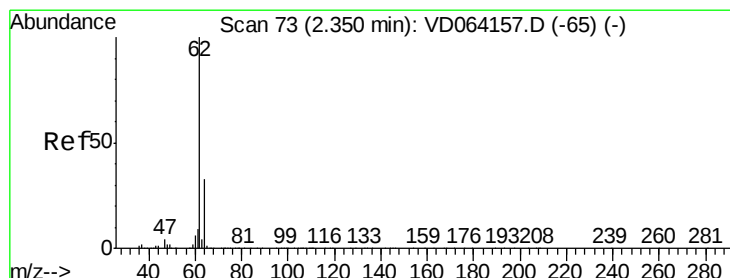
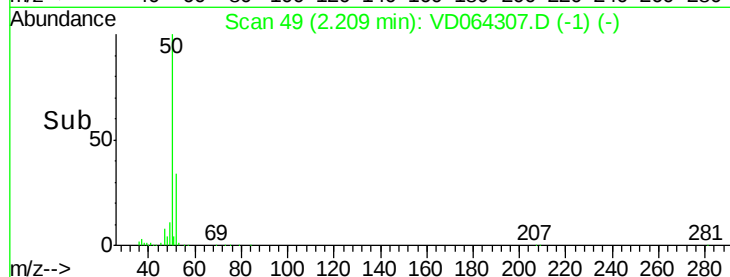
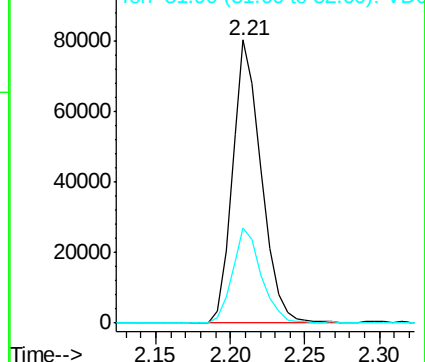
50 100

52 33.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.360 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064307.D

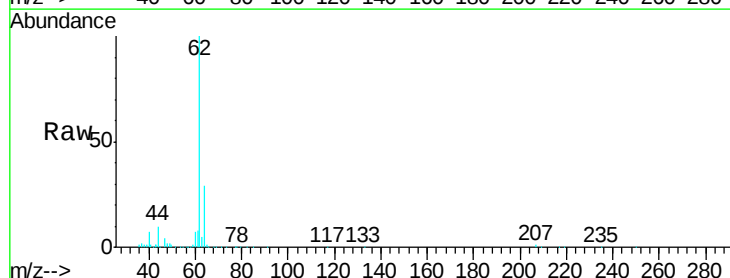
Acq: 20 Nov 2019 12:13

Tgt Ion: 62 Resp: 129902

Ion Ratio Lower Upper

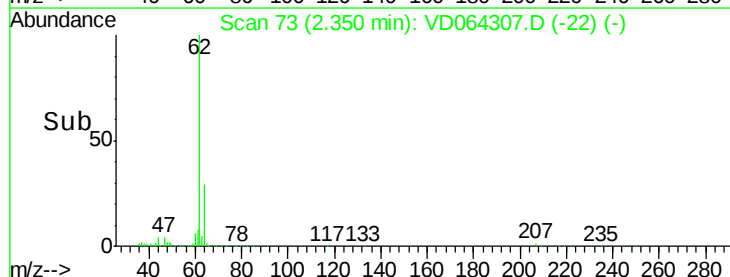
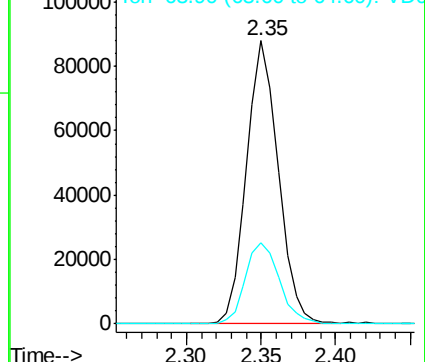
62 100

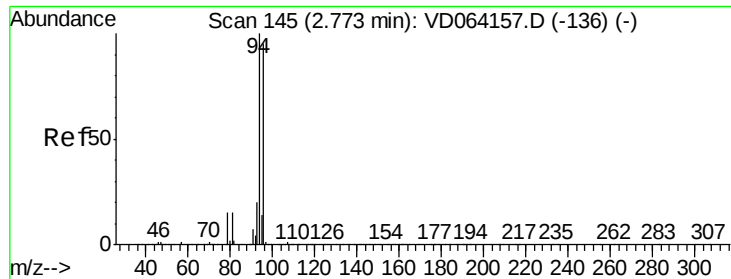
64 28.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.617 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

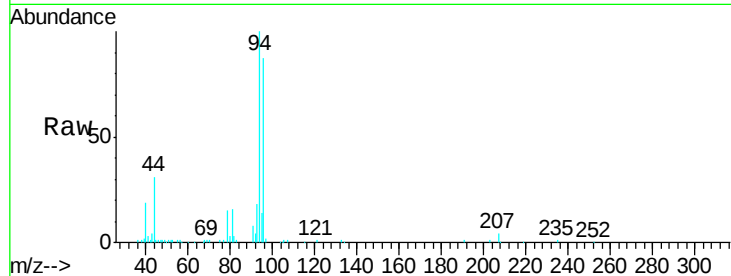
VD1120SBS01

Tgt Ion: 94 Resp: 89954

Ion Ratio Lower Upper

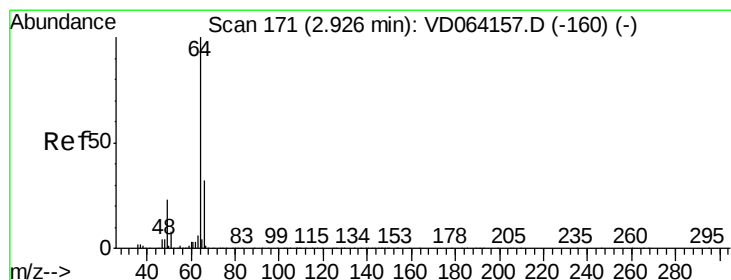
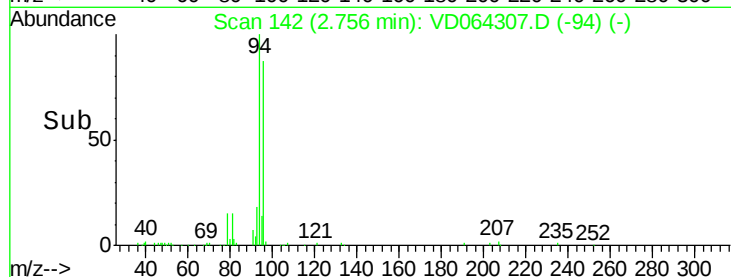
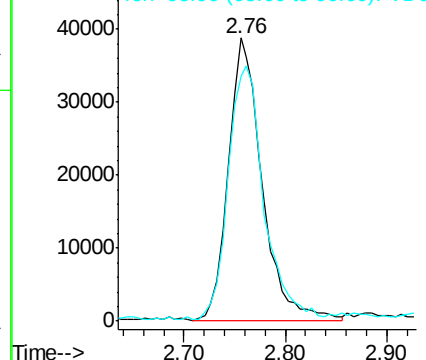
94 100

96 85.7 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.795 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064307.D

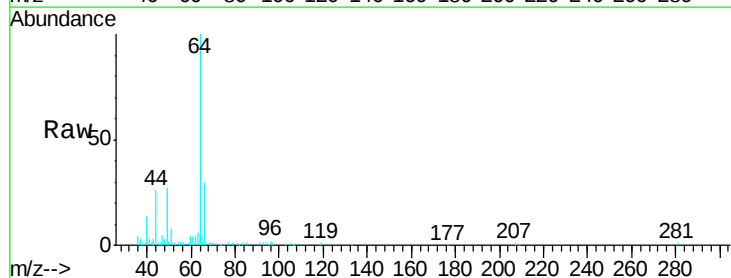
Acq: 20 Nov 2019 12:13

Tgt Ion: 64 Resp: 88104

Ion Ratio Lower Upper

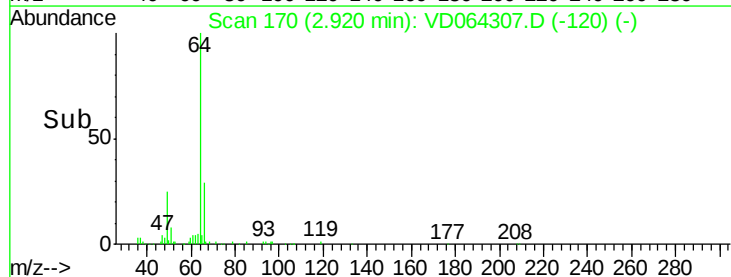
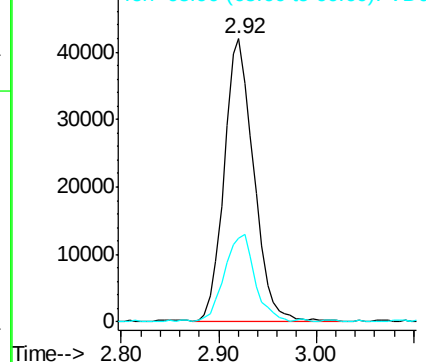
64 100

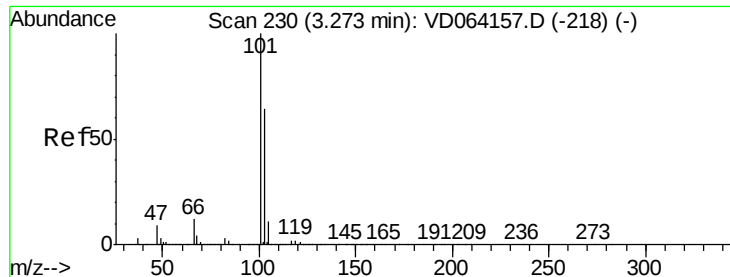
66 29.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



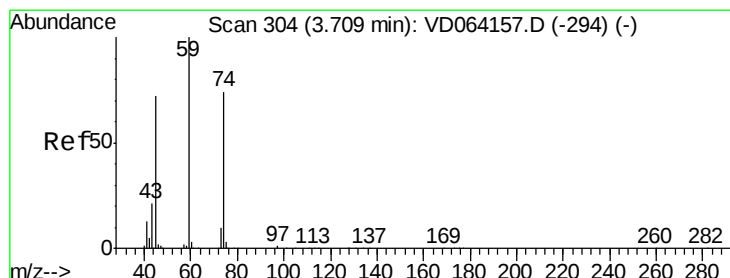
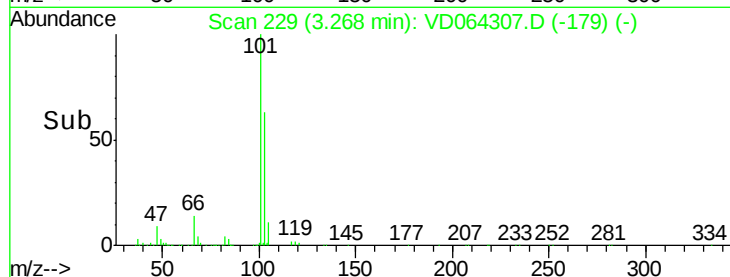
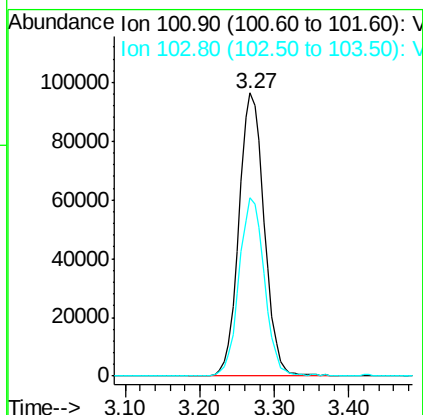
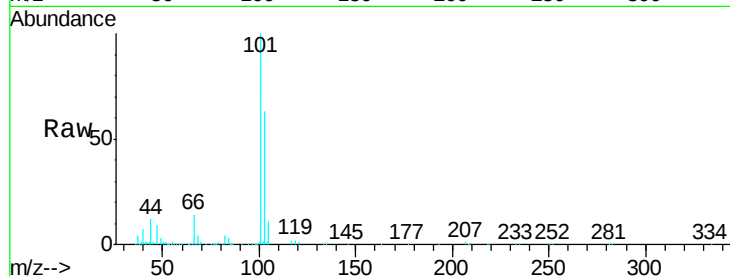


#7

Trichlorofluoromethane
Concen: 25.117 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

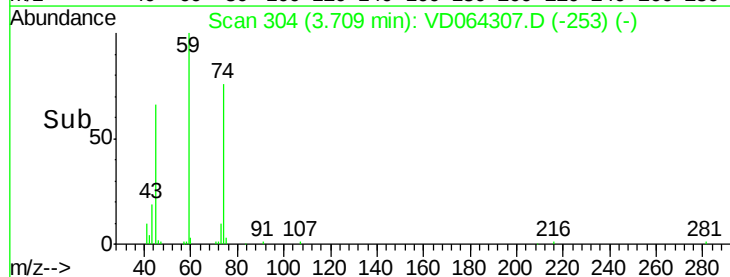
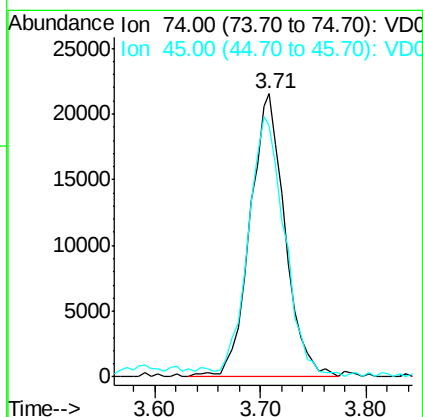
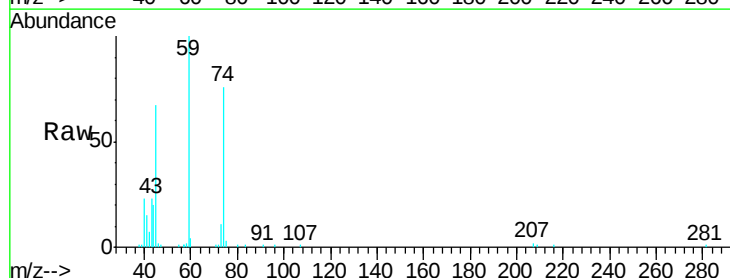
Tgt Ion: 101 Resp: 226453
Ion Ratio Lower Upper
101 100
103 63.3 50.8 76.2



#8

Diethyl Ether
Concen: 19.948 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 74 Resp: 49452
Ion Ratio Lower Upper
74 100
45 96.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.801 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

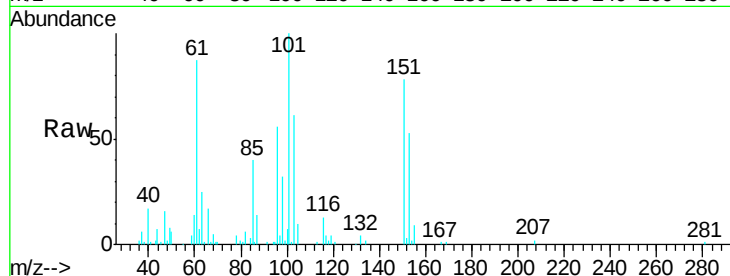
Tgt Ion:101 Resp: 102036

Ion Ratio Lower Upper

101 100

85 45.4 34.4 51.6

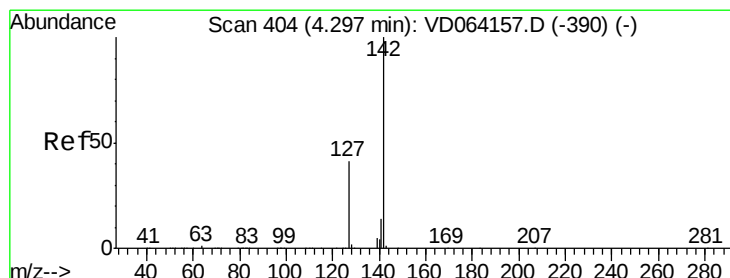
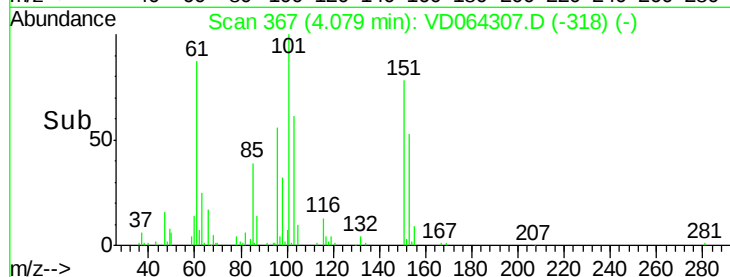
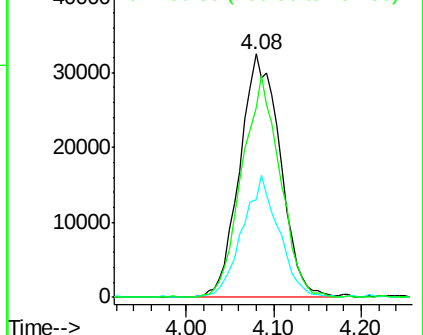
151 86.4 68.1 102.1



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: 18.271 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

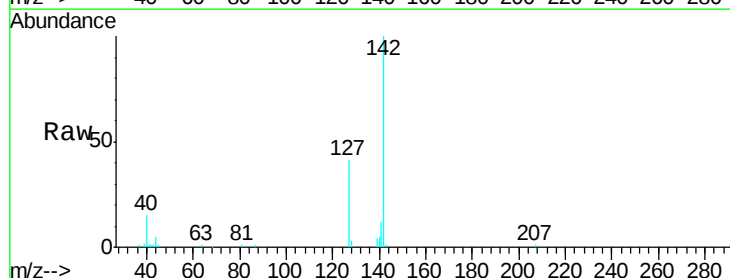
Tgt Ion:142 Resp: 99575

Ion Ratio Lower Upper

142 100

127 44.0 34.4 51.6

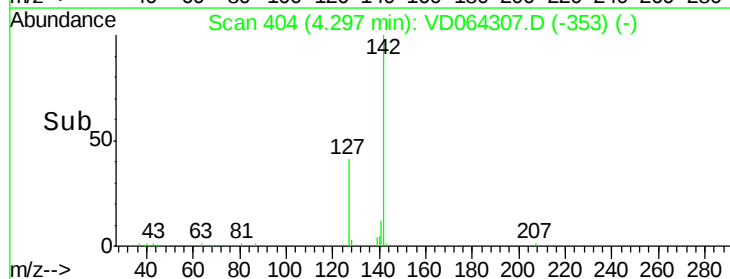
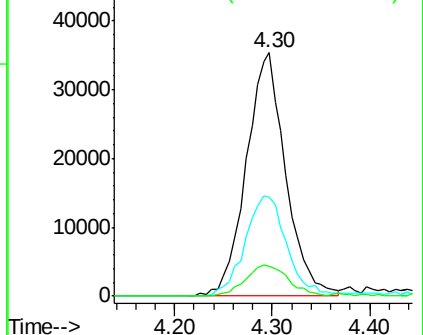
141 14.0 11.2 16.8



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



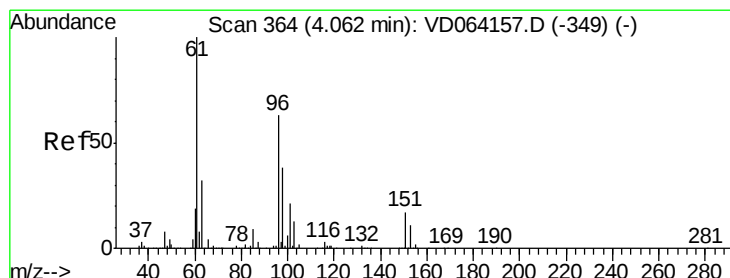
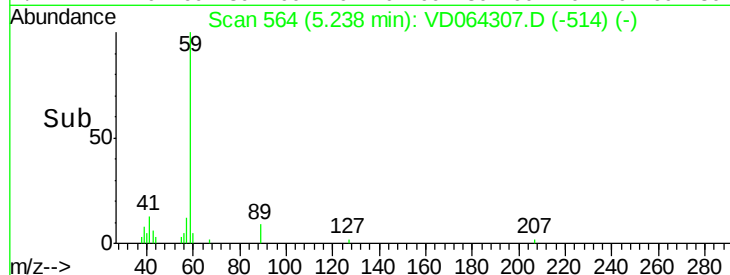
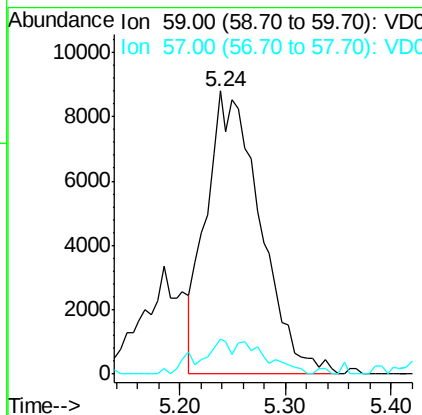
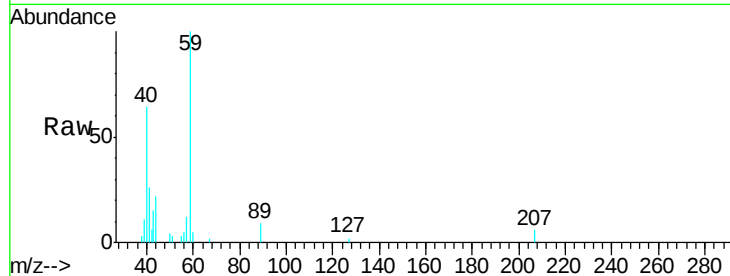


#11

Tert butyl alcohol
Concen: 92.672 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

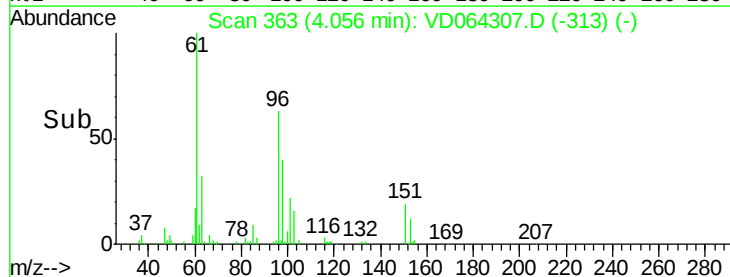
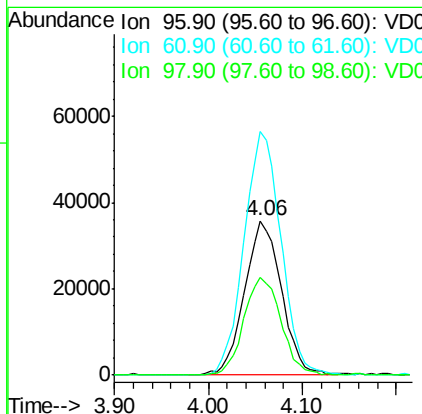
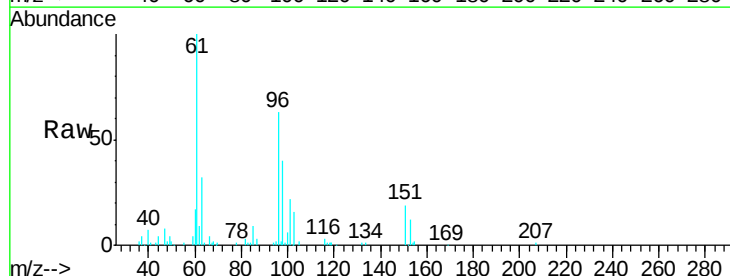
Tgt Ion: 59 Resp: 31118
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#

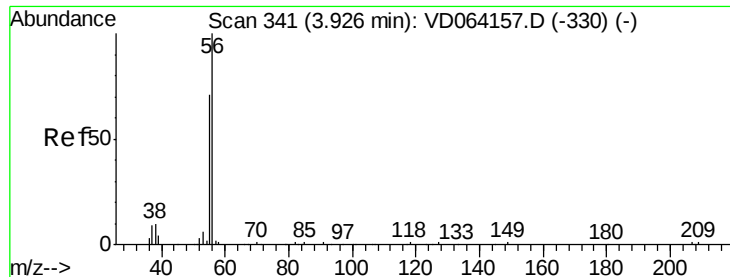


#12

1,1-Dichloroethene
Concen: 19.801 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 96 Resp: 97257
Ion Ratio Lower Upper
96 100
61 157.5 127.4 191.2
98 63.0 48.1 72.1





#13

Acrolein

Concen: 68.227 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

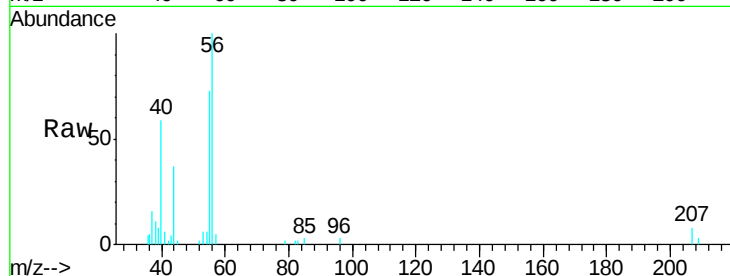
VD1120SBS01

Tgt Ion: 56 Resp: 19381

Ion Ratio Lower Upper

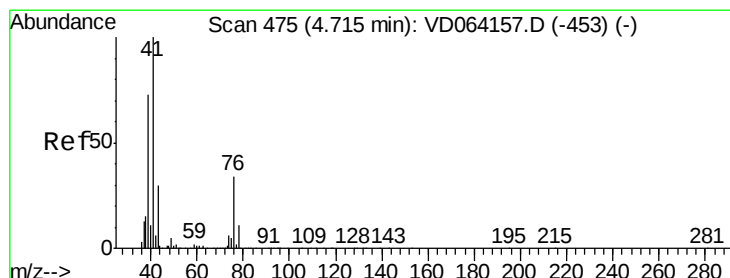
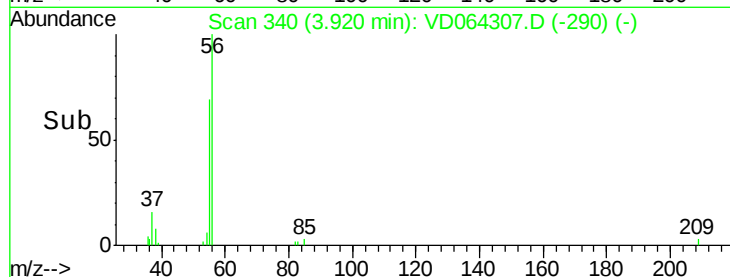
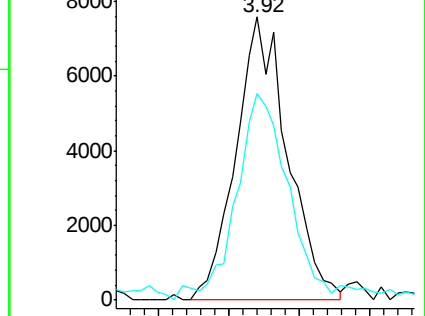
56 100

55 72.8 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.525 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

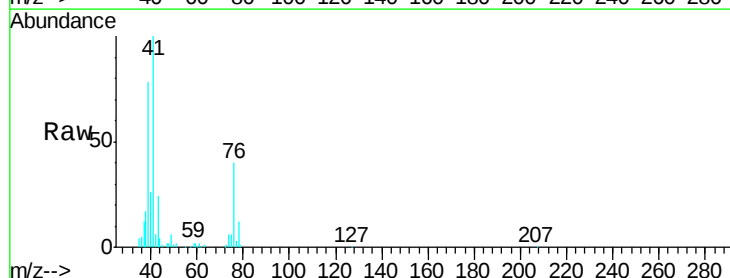
Tgt Ion: 41 Resp: 152198

Ion Ratio Lower Upper

41 100

39 77.9 57.5 86.3

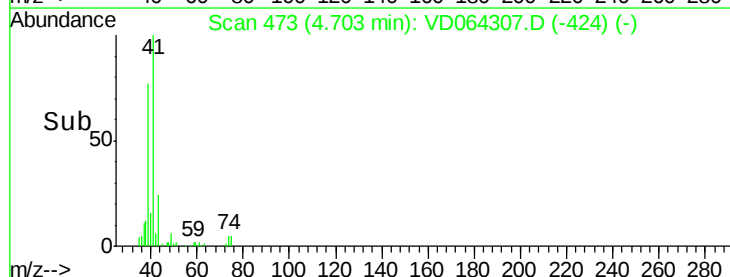
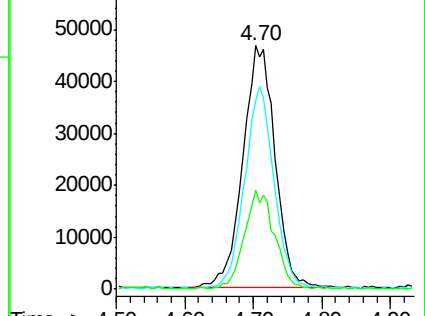
76 38.1 26.8 40.2



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: 105.171 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

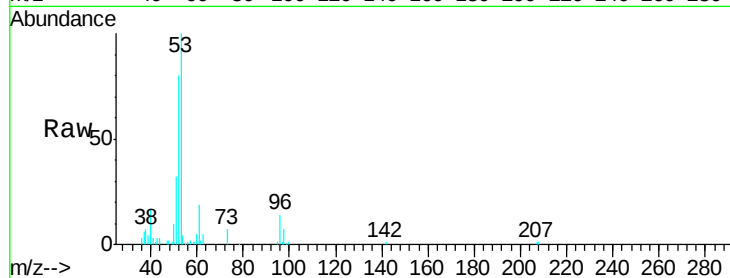
Tgt Ion: 53 Resp: 111148

Ion Ratio Lower Upper

53 100

52 84.1 66.7 100.1

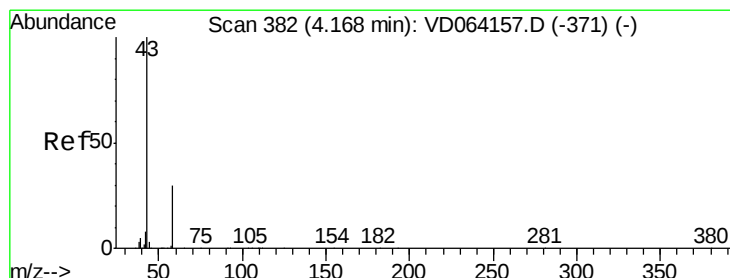
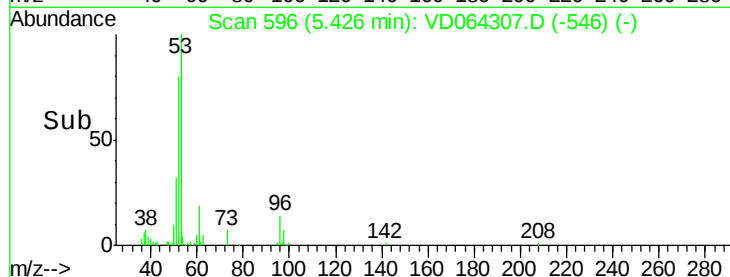
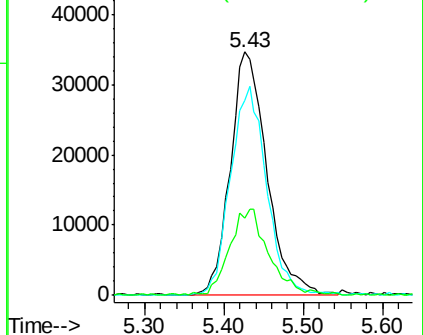
51 37.2 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 84.891 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064307.D

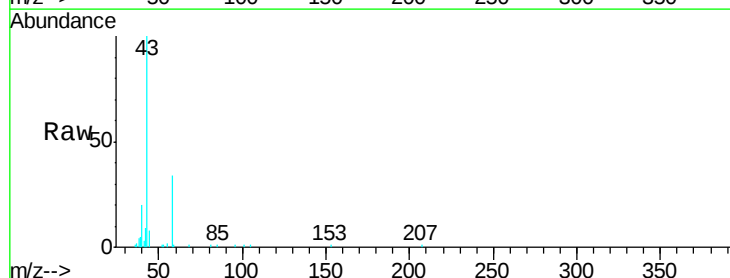
Acq: 20 Nov 2019 12:13

Tgt Ion: 43 Resp: 96684

Ion Ratio Lower Upper

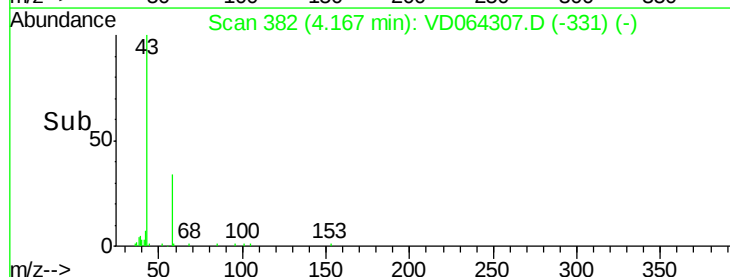
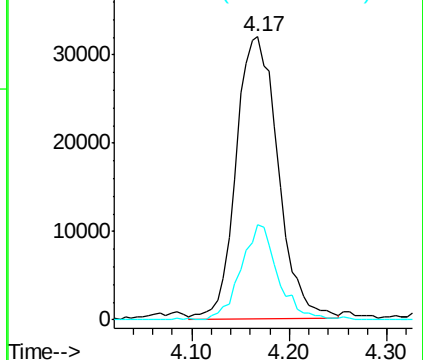
43 100

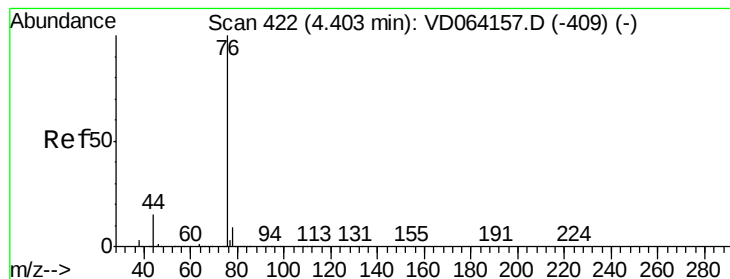
58 33.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.258 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

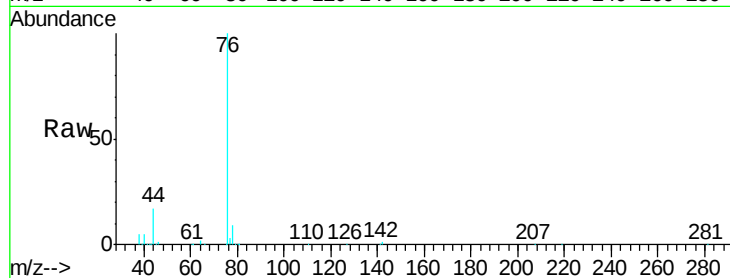
VD1120SBS01

Tgt Ion: 76 Resp: 279284

Ion Ratio Lower Upper

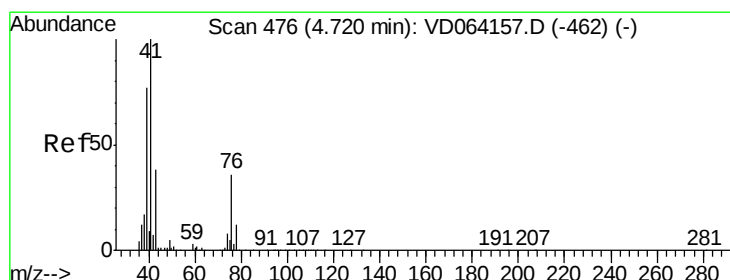
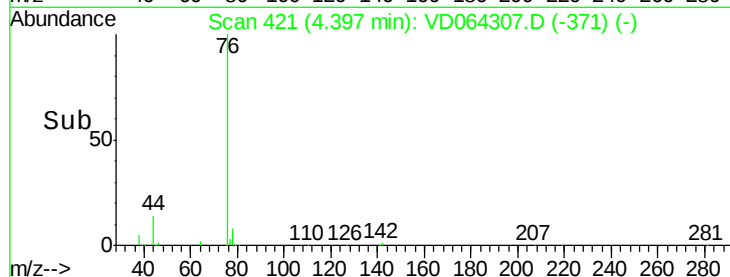
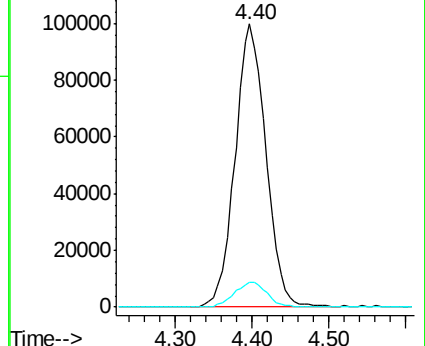
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.707 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064307.D

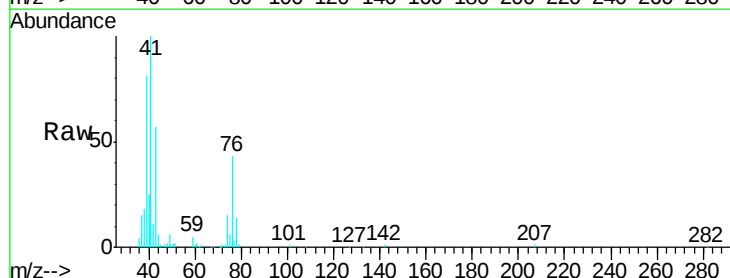
Acq: 20 Nov 2019 12:13

Tgt Ion: 43 Resp: 65870

Ion Ratio Lower Upper

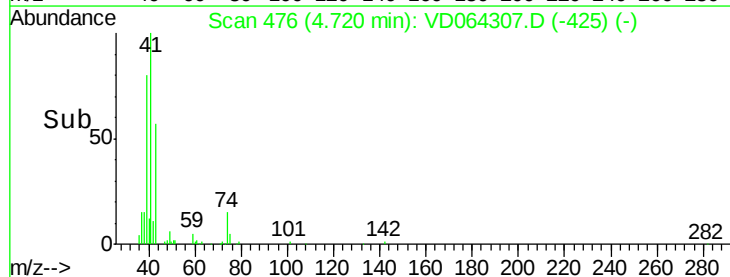
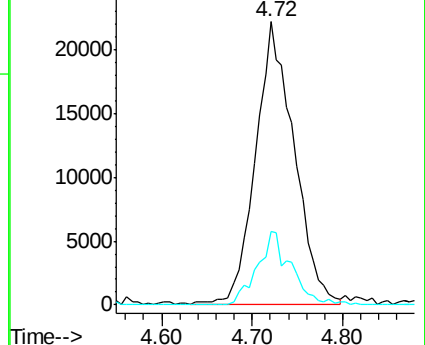
43 100

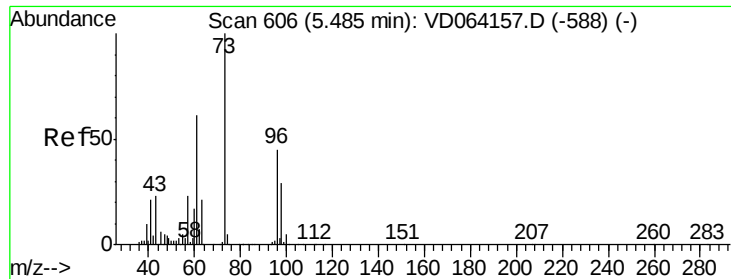
74 22.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



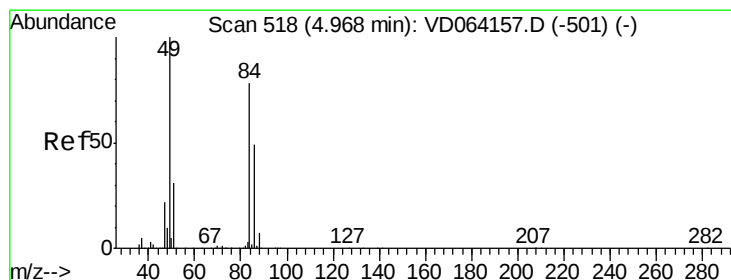
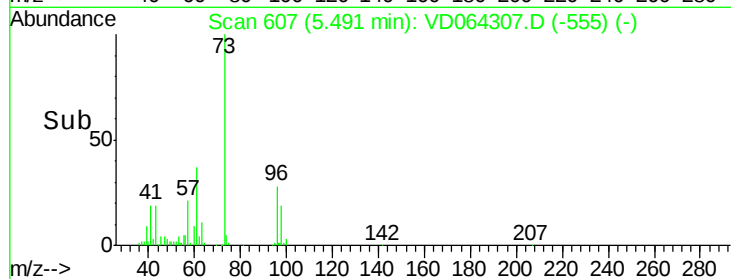
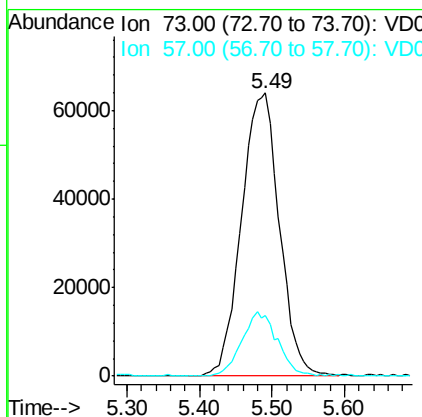
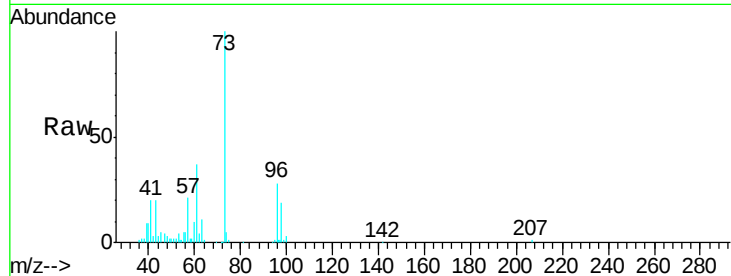


#19

Methyl tert-butyl Ether
 Concen: 19.825 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

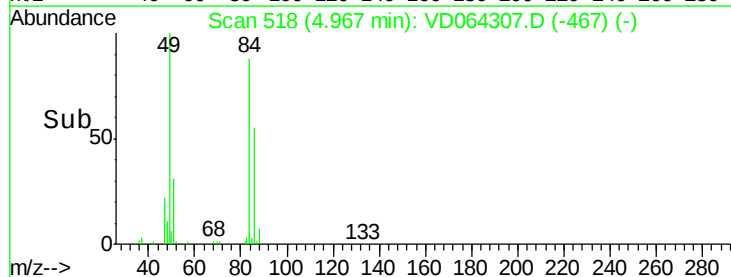
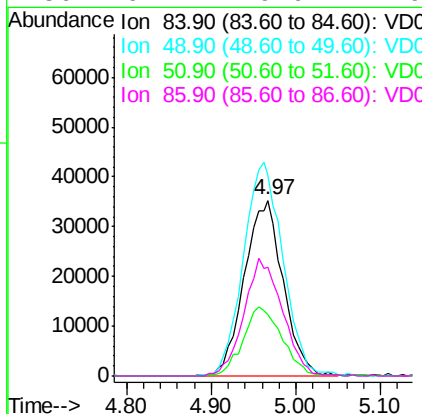
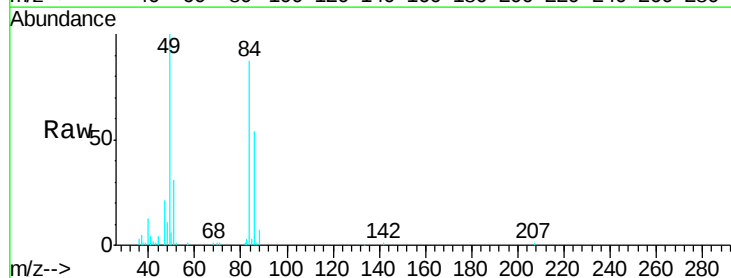
Tgt Ion: 73 Resp: 232471
 Ion Ratio Lower Upper
 73 100
 57 20.9 18.4 27.6

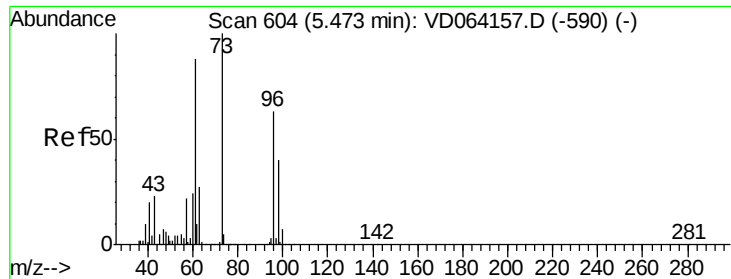


#20

Methylene Chloride
 Concen: 19.531 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion: 84 Resp: 112365
 Ion Ratio Lower Upper
 84 100
 49 114.6 102.1 153.1
 51 35.2 32.2 48.2
 86 62.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.737 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

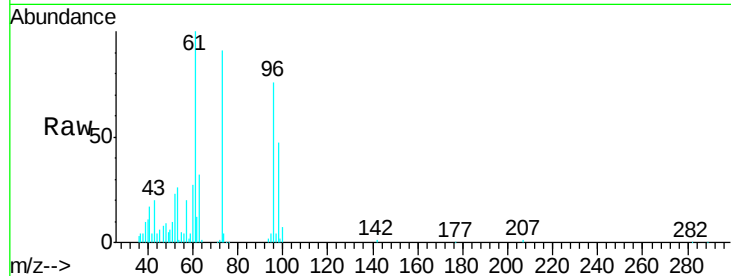
Tgt Ion: 96 Resp: 109837

Ion Ratio Lower Upper

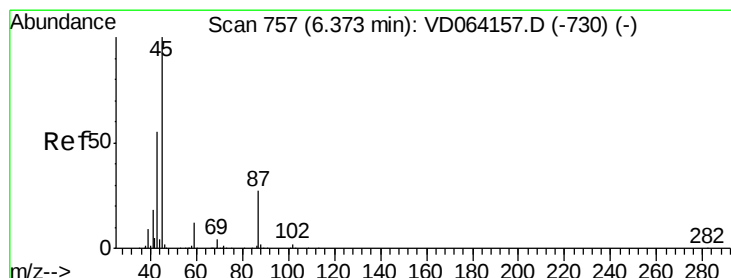
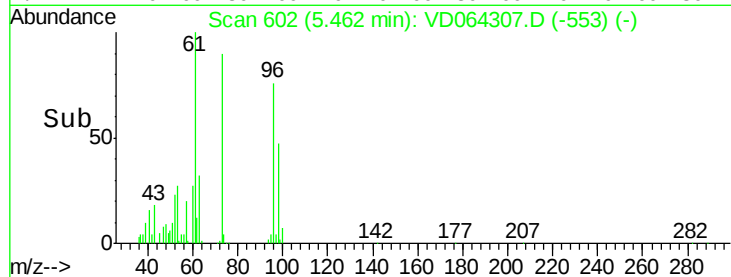
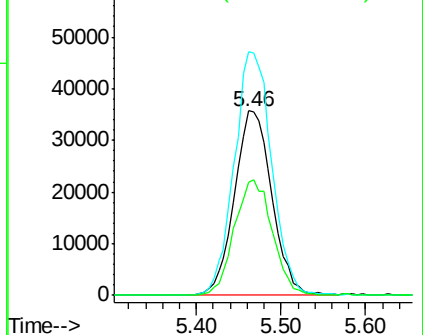
96 100

61 132.1 111.8 167.6

98 61.6 50.3 75.5



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: 18.917 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion: 45 Resp: 304817

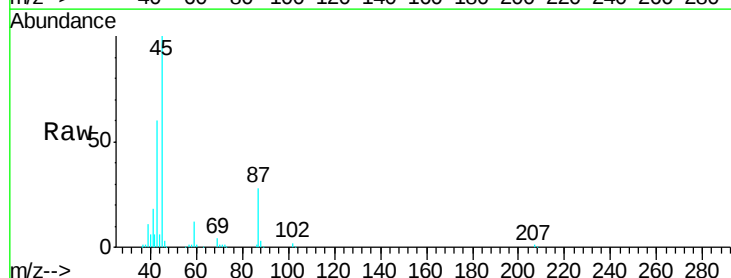
Ion Ratio Lower Upper

45 100

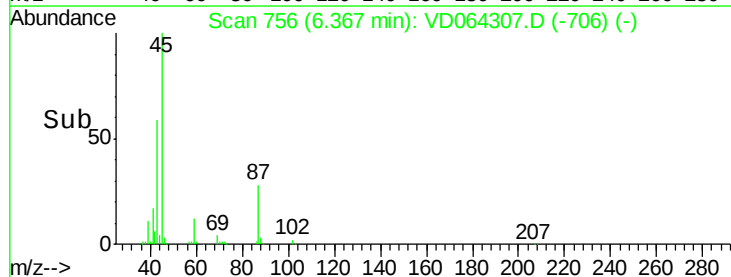
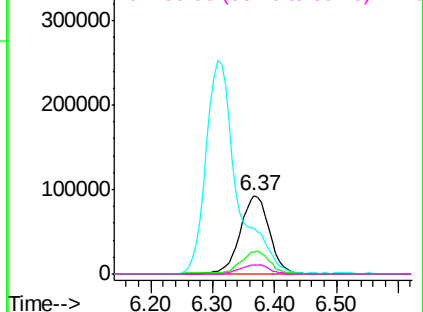
43 58.5 44.4 66.6

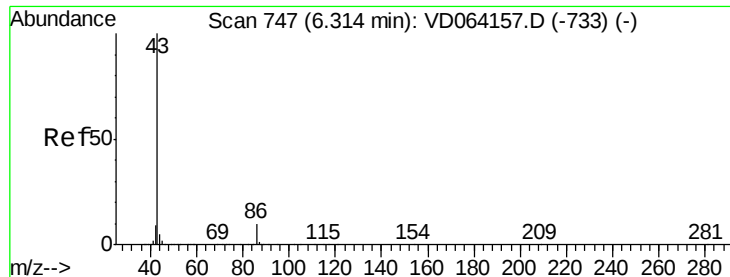
87 27.6 21.9 32.9

59 11.8 9.4 14.2



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: 97.753 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

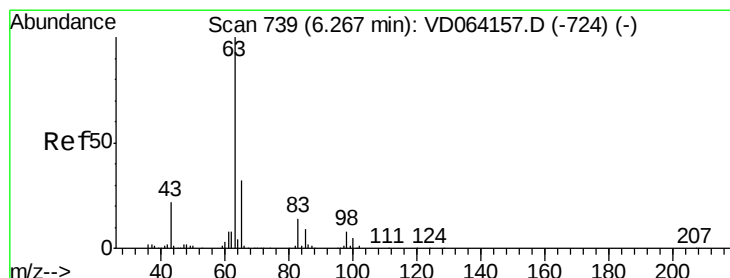
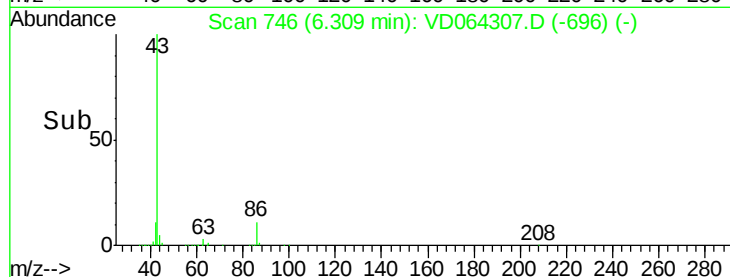
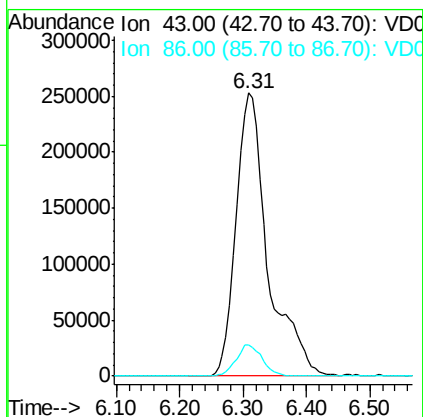
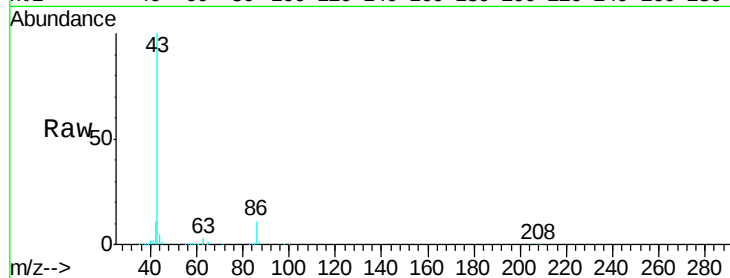
VD1120SBS01

Tgt Ion: 43 Resp: 878026

Ion Ratio Lower Upper

43 100

86 11.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 19.930 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

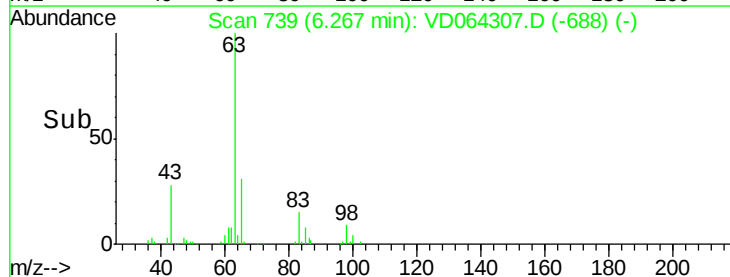
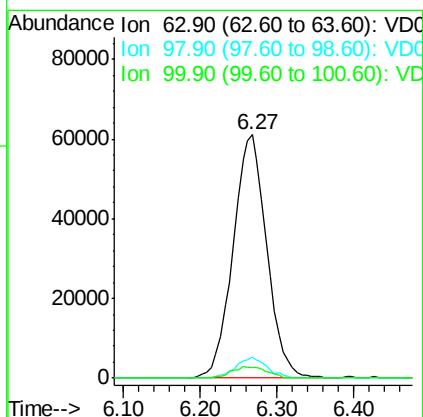
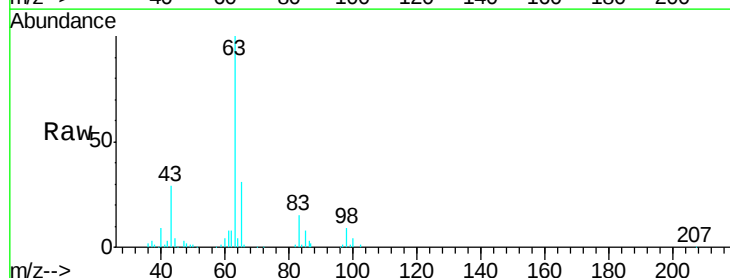
Tgt Ion: 63 Resp: 186467

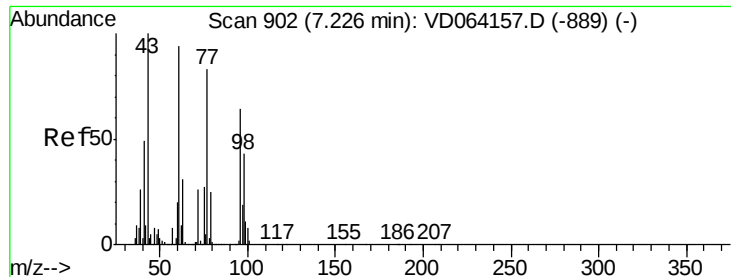
Ion Ratio Lower Upper

63 100

98 8.7 3.8 11.4

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 93.655 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

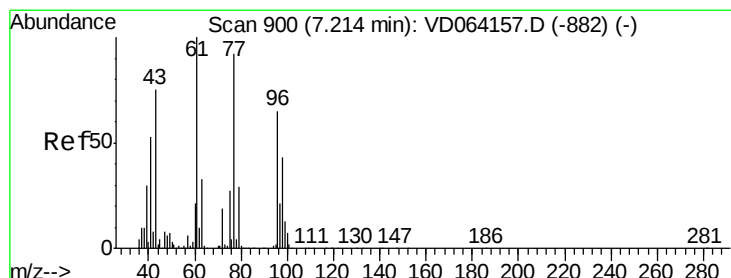
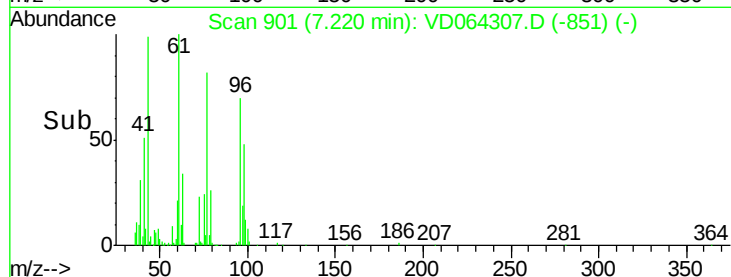
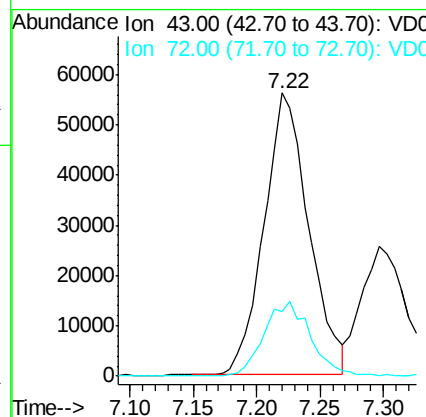
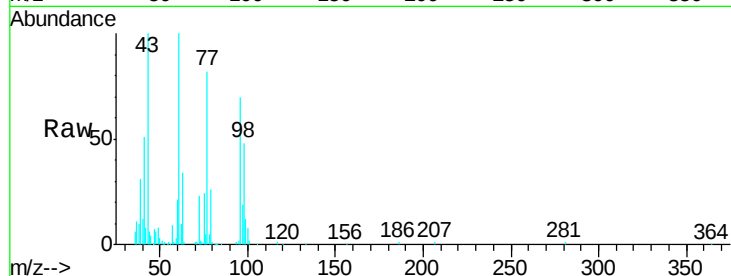
VD1120SBS01

Tgt Ion: 43 Resp: 137805

Ion Ratio Lower Upper

43 100

72 23.0 20.6 30.8



#26

2,2-Dichloropropane

Concen: 17.967 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064307.D

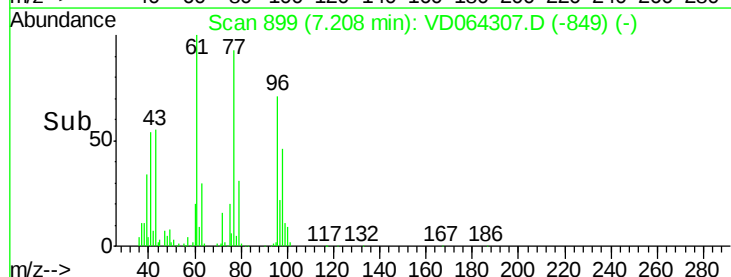
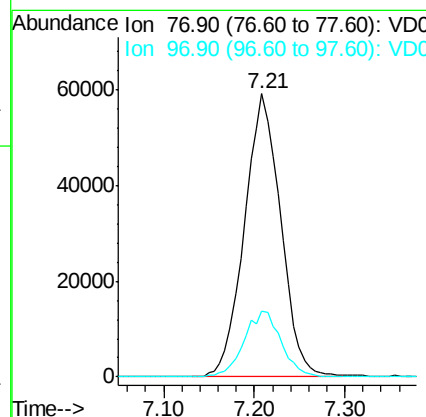
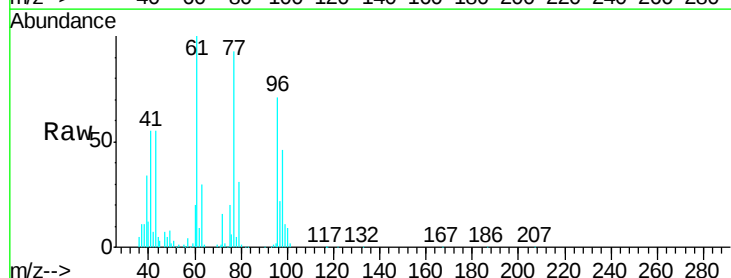
Acq: 20 Nov 2019 12:13

Tgt Ion: 77 Resp: 164854

Ion Ratio Lower Upper

77 100

97 23.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 20.608 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

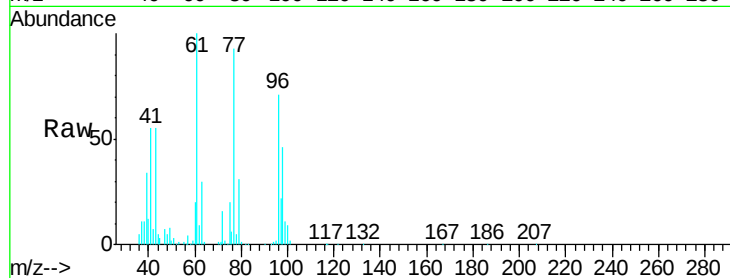
Tgt Ion: 96 Resp: 122985

Ion Ratio Lower Upper

96 100

61 138.8 0.0 301.4

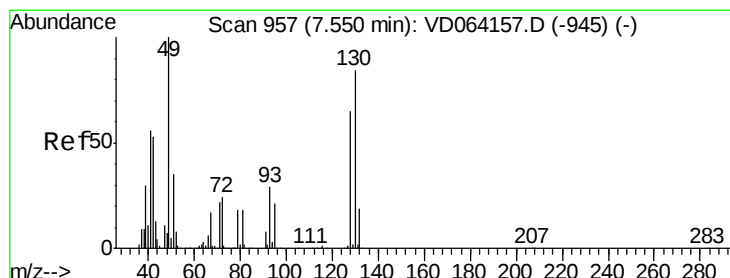
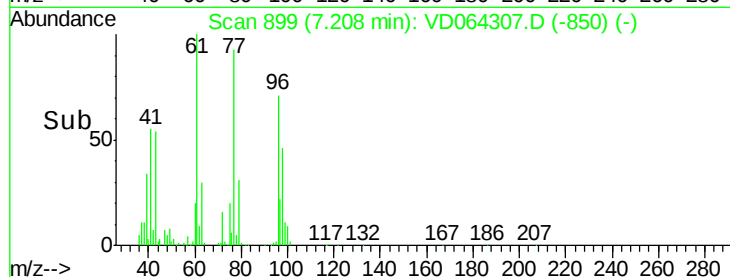
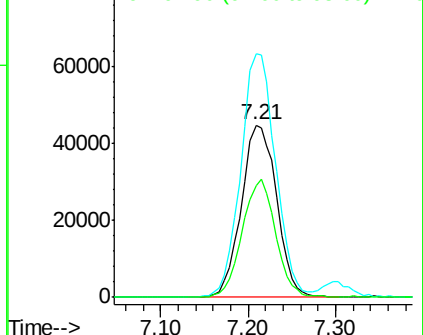
98 64.9 0.0 133.2



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



#28

Bromochloromethane

Concen: 15.728 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

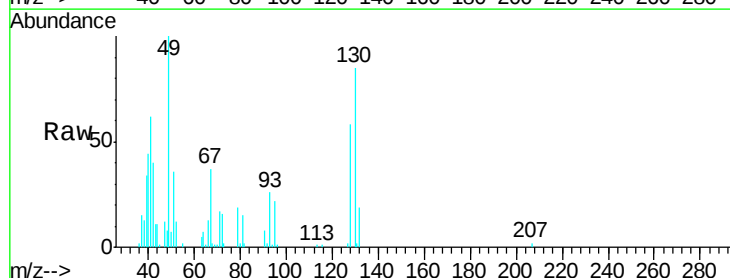
Tgt Ion: 49 Resp: 51232

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.4

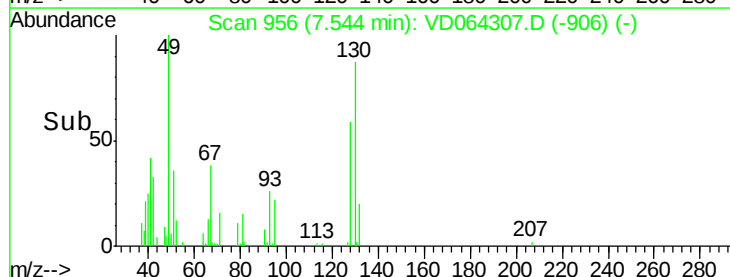
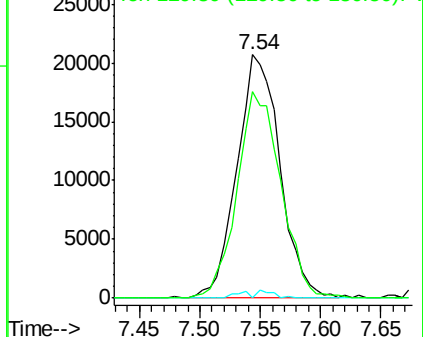
130 86.7 66.8 100.2

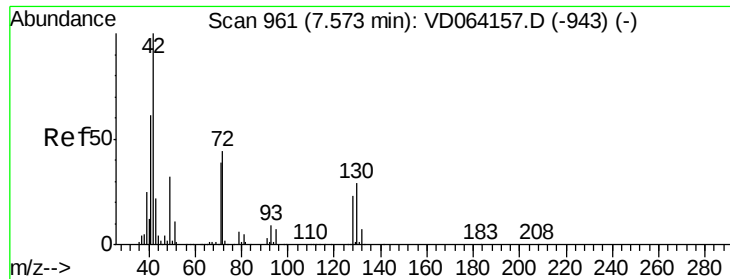


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.663 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

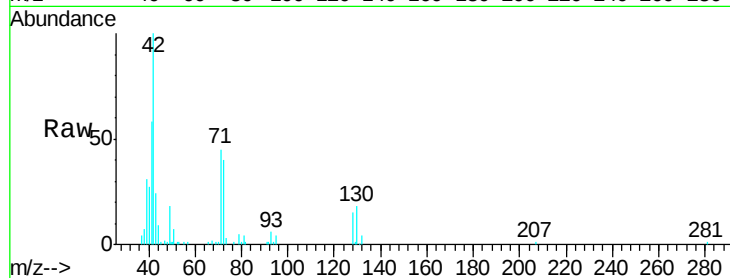
Tgt Ion: 42 Resp: 90760

Ion Ratio Lower Upper

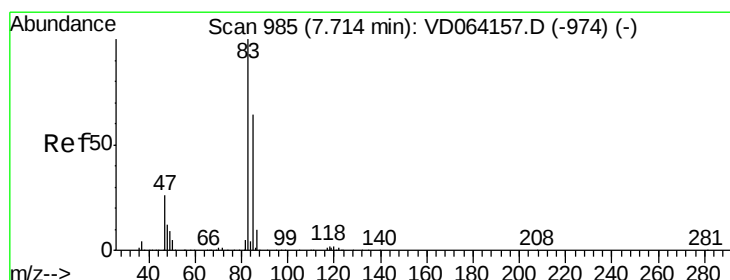
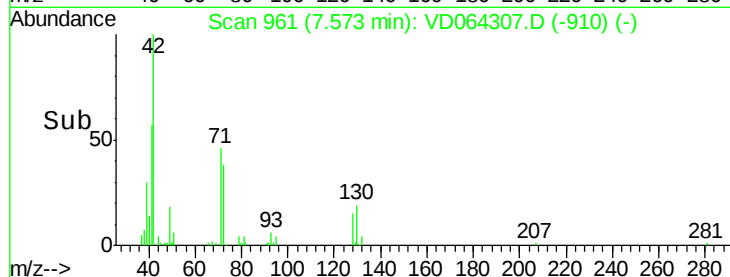
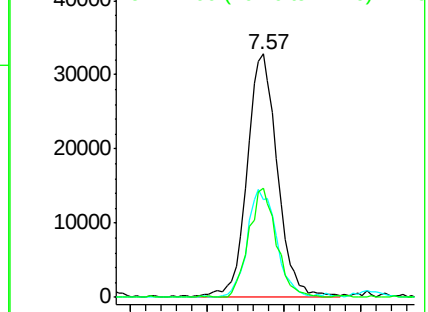
42 100

72 42.6 33.4 50.2

71 41.1 31.0 46.4



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



#30

Chloroform

Concen: 20.837 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064307.D

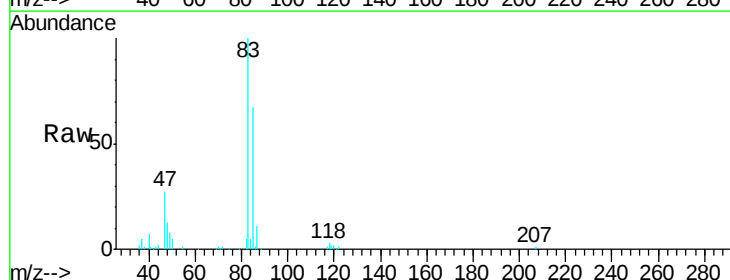
Acq: 20 Nov 2019 12:13

Tgt Ion: 83 Resp: 199416

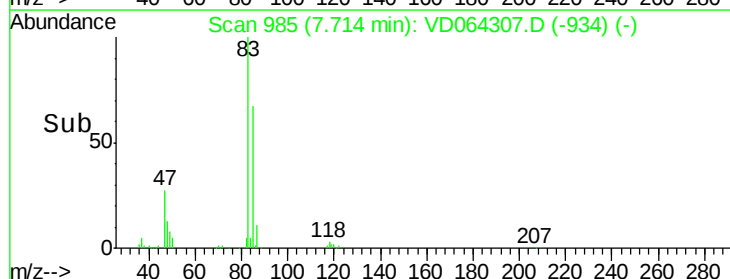
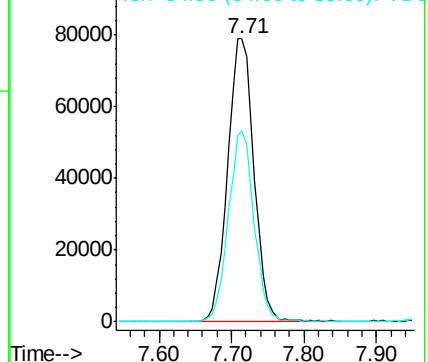
Ion Ratio Lower Upper

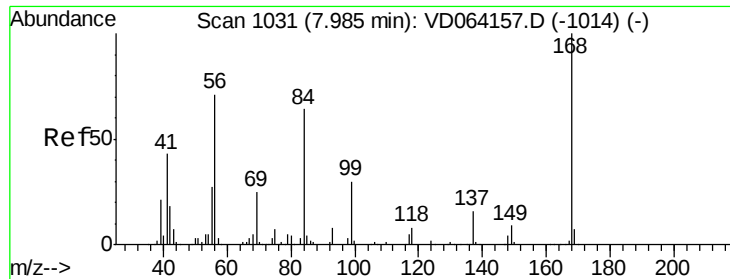
83 100

85 67.4 51.4 77.0



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

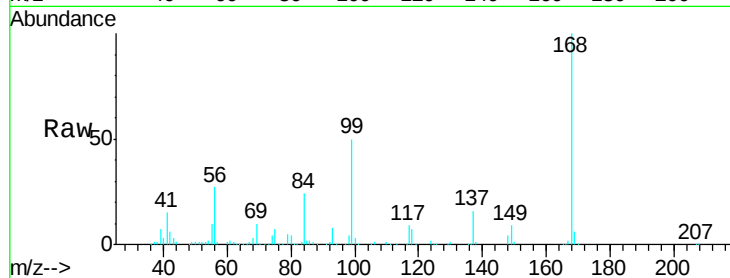




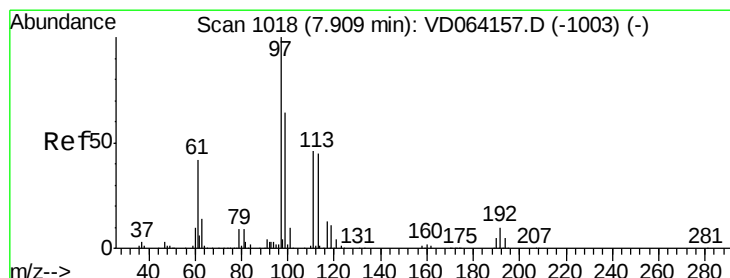
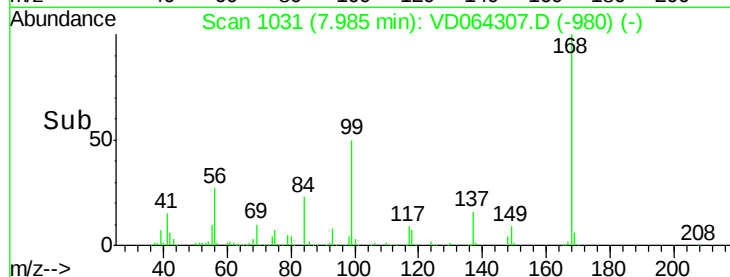
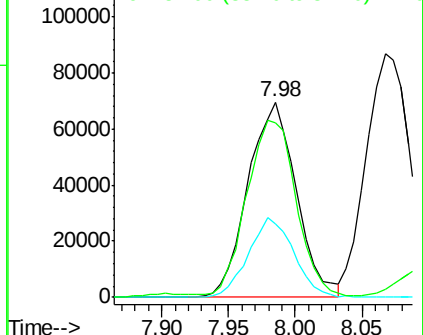
#31
Cyclohexane
Concen: 18.580 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tgt Ion: 56 Resp: 175318
Ion Ratio Lower Upper
56 100
69 37.8 28.2 42.4
84 87.5 71.8 107.6

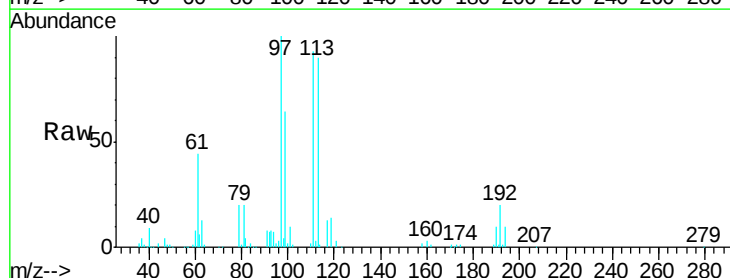


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

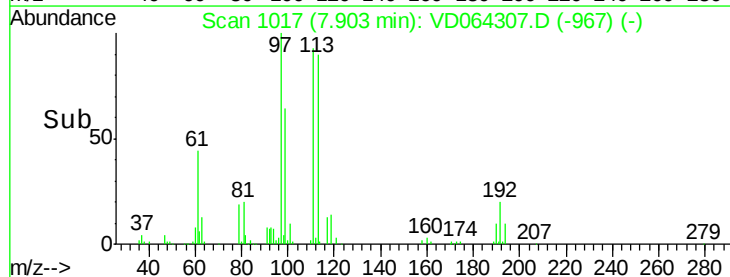
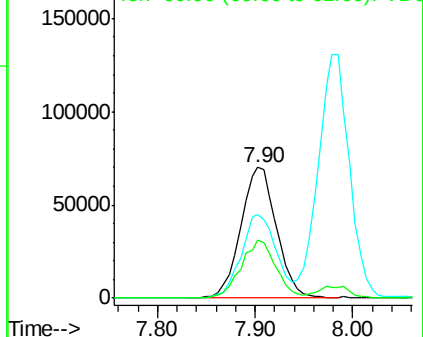


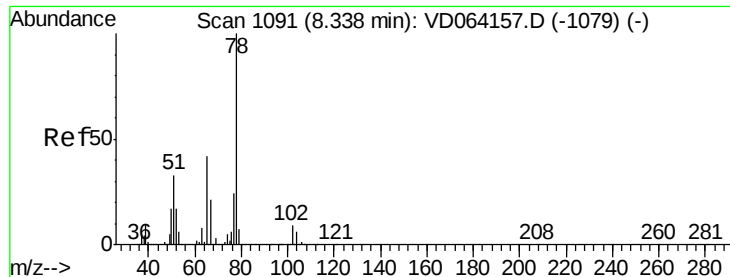
#32
1,1,1-Trichloroethane
Concen: 19.589 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 97 Resp: 179507
Ion Ratio Lower Upper
97 100
99 62.8 51.6 77.4
61 43.0 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 48.489 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

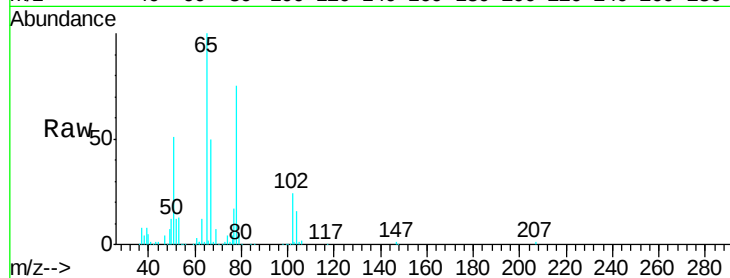
VD1120SBS01

Tgt Ion: 65 Resp: 233116

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

60000

40000

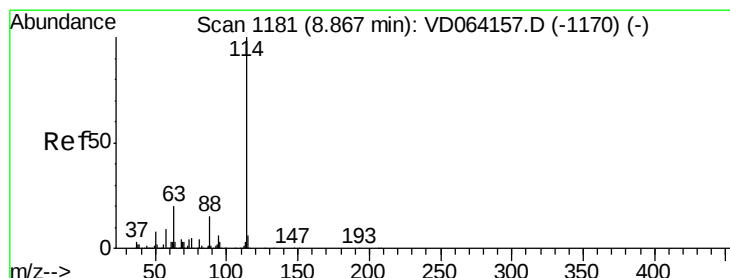
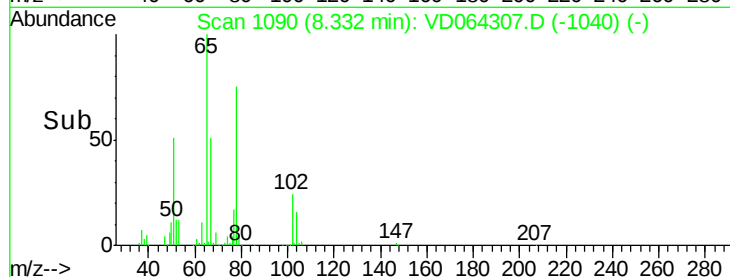
20000

0

Time--> 8.20

8.30

8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

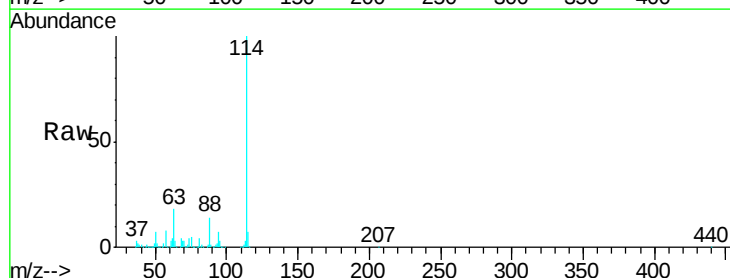
Tgt Ion: 114 Resp: 845669

Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 13.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

300000

200000

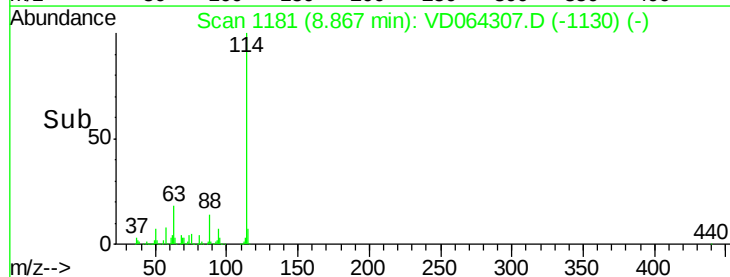
100000

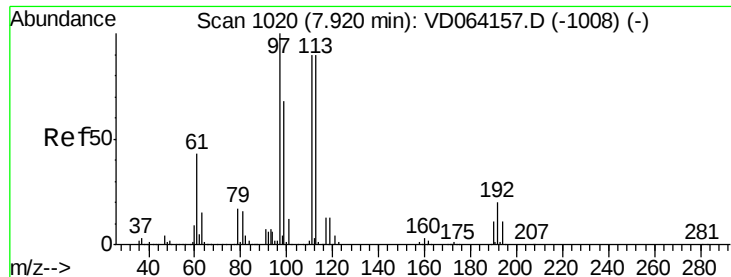
0

Time--> 8.80

8.90

9.00

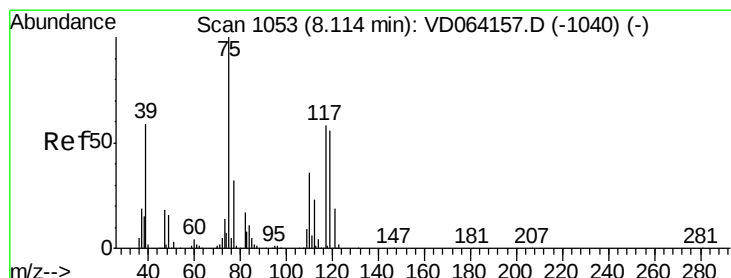
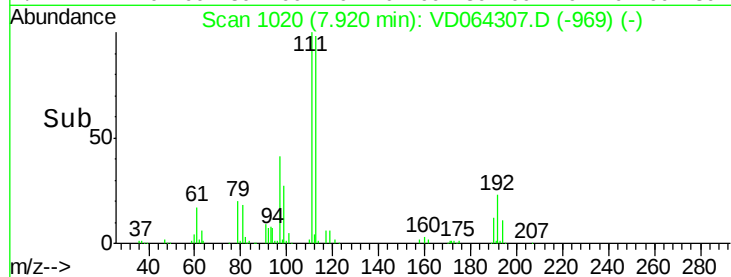
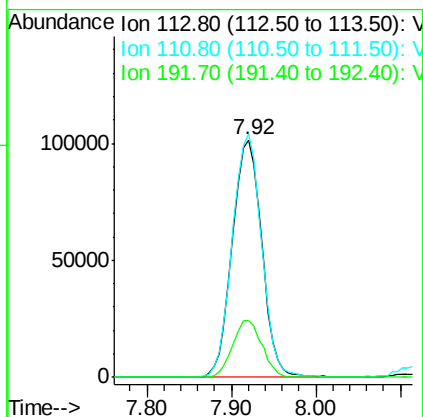
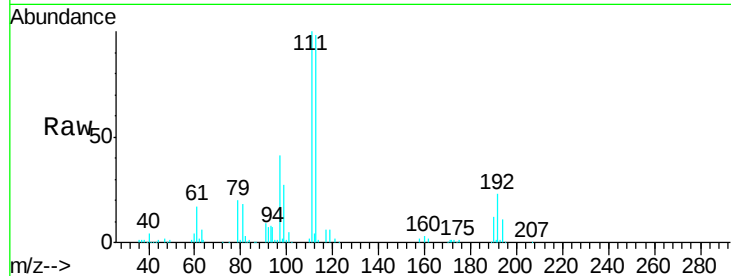




#35
 Dibromofluoromethane
 Concen: 50.632 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

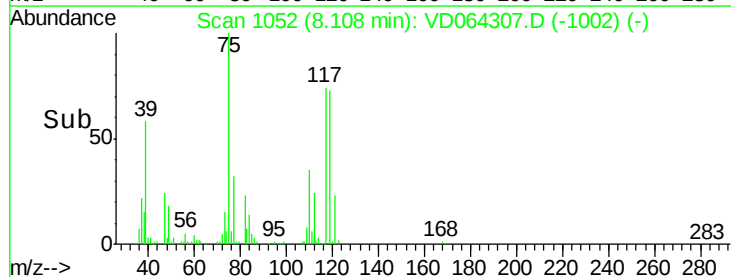
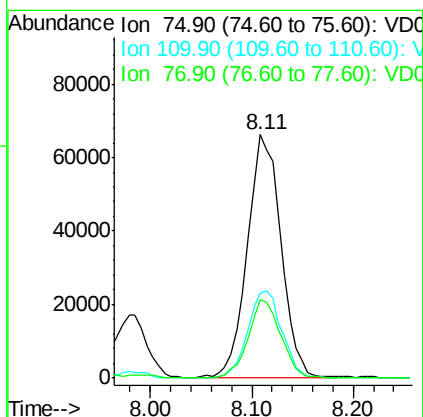
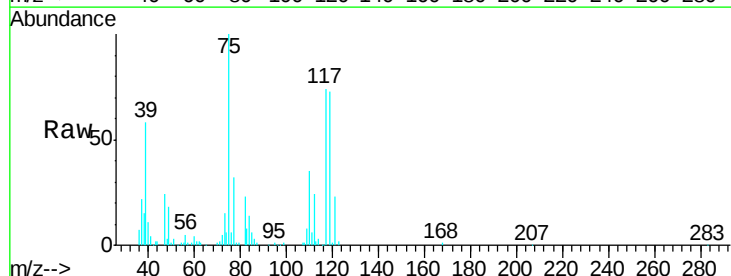
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	23.8	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 19.481 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.3	54.9
77	31.7	25.0	37.6

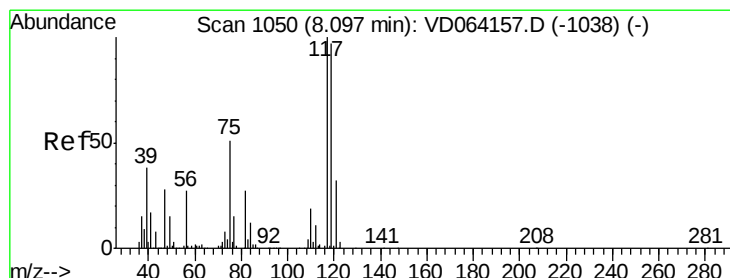
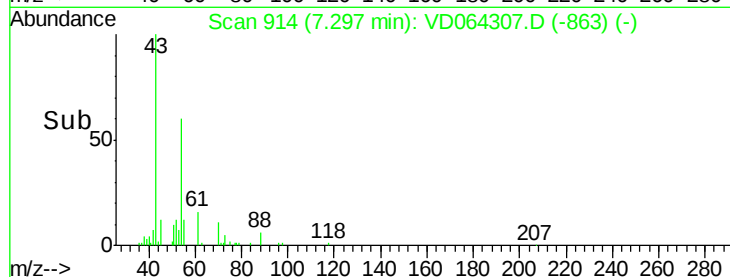
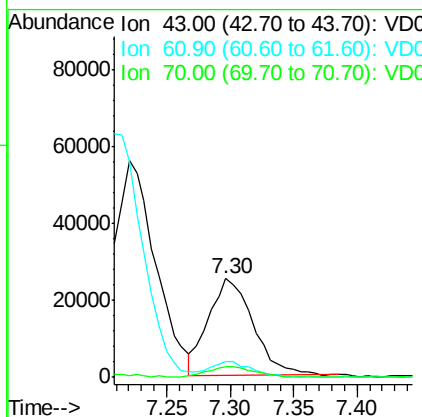
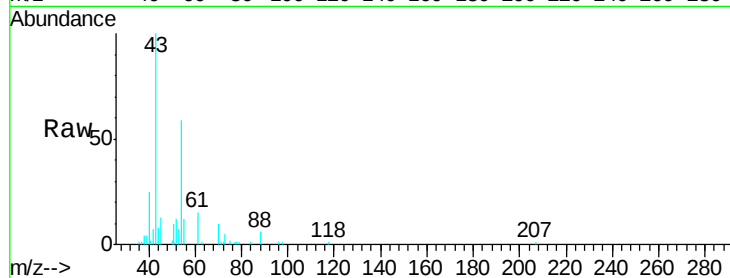




#37
 Ethyl Acetate
 Concen: 18.716 ug/l
 RT: 7.30 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

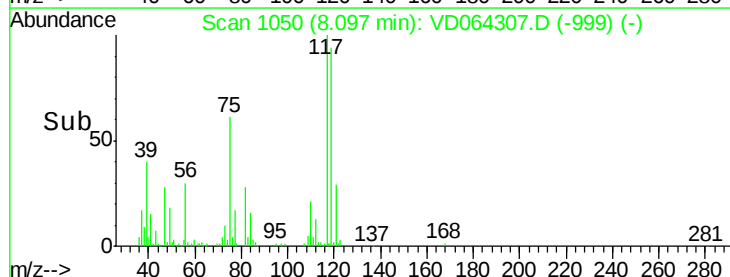
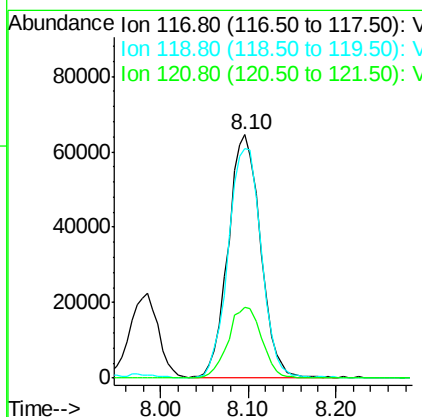
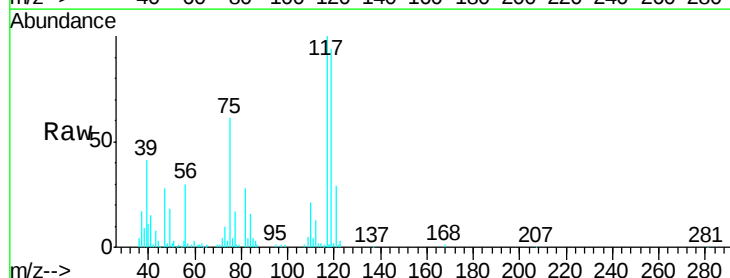
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

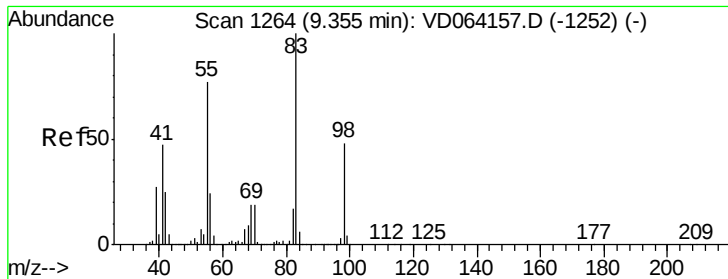
Tgt Ion: 43 Resp: 61580
 Ion Ratio Lower Upper
 43 100
 61 16.7 10.2 15.2#
 70 11.7 8.5 12.7



#38
 Carbon Tetrachloride
 Concen: 19.454 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion: 117 Resp: 162467
 Ion Ratio Lower Upper
 117 100
 119 94.2 77.2 115.8
 121 29.3 25.5 38.3

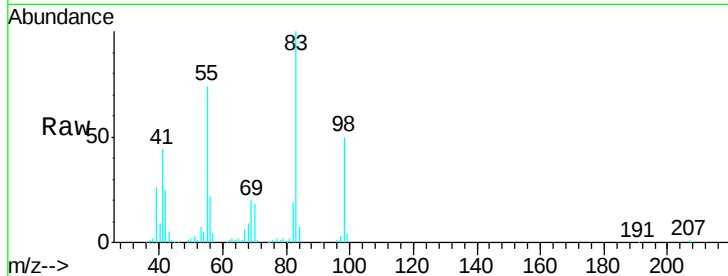




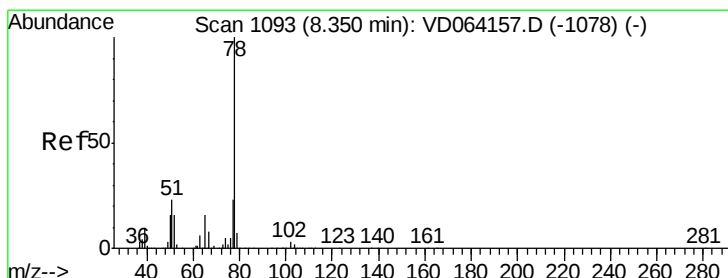
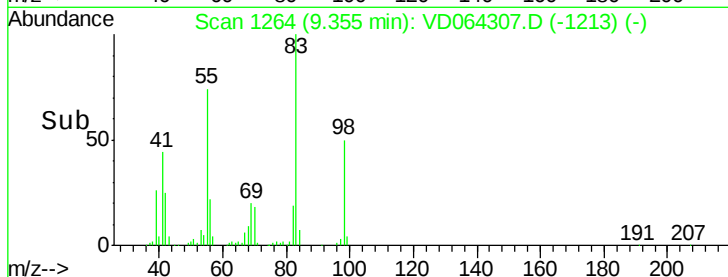
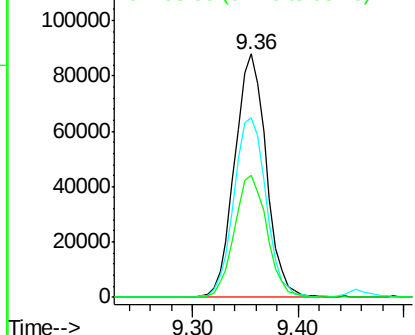
#39
Methylcyclohexane
Concen: 18.466 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tgt Ion: 83 Resp: 182366
Ion Ratio Lower Upper
83 100
55 74.0 61.7 92.5
98 50.2 38.6 58.0

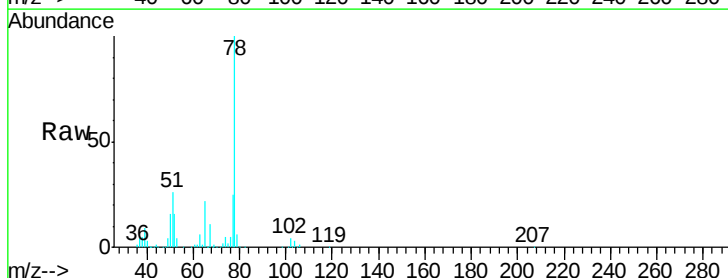


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

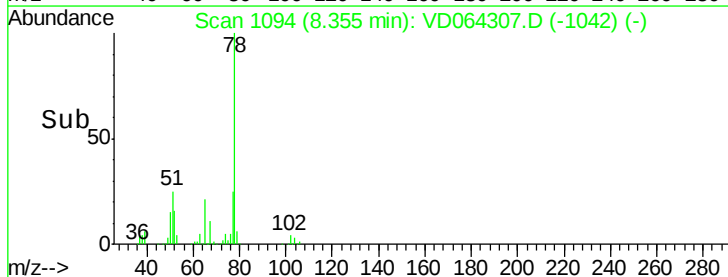
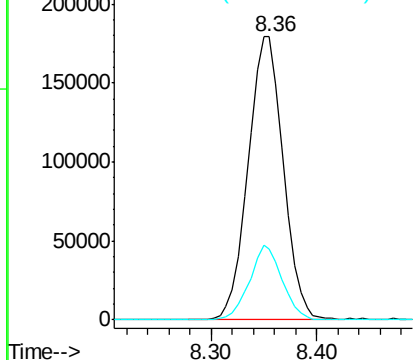


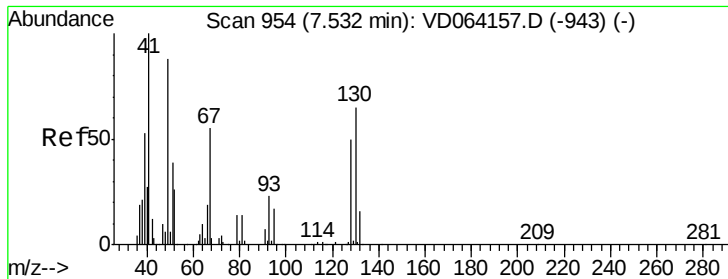
#40
Benzene
Concen: 19.447 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 78 Resp: 414823
Ion Ratio Lower Upper
78 100
77 25.2 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 17.822 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

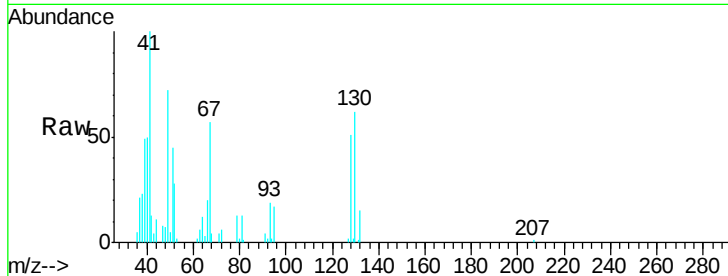
MSVOA_D

ClientSampleId :

VD1120SBS01

Tgt Ion: 41 Resp: 36857

Ion	Ratio	Lower	Upper
41	100		
39	55.4	49.4	74.2
67	77.7	49.6	74.4#
52	33.0	21.4	32.0#

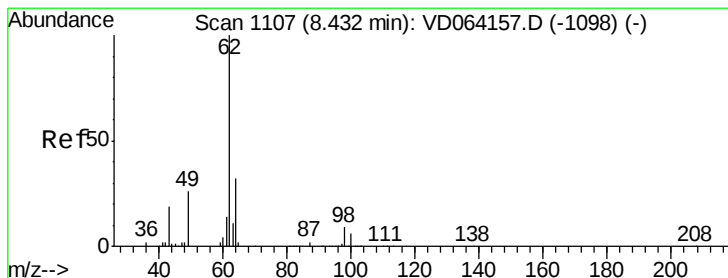
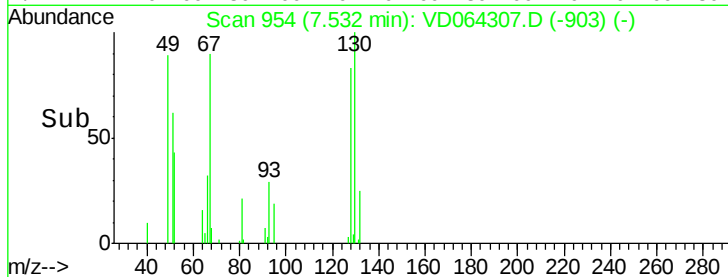
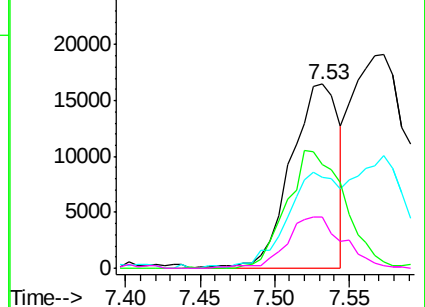


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.203 ug/l

RT: 8.43 min Scan# 1106

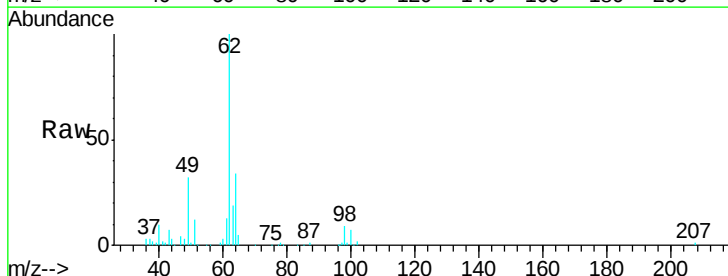
Delta R.T. -0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

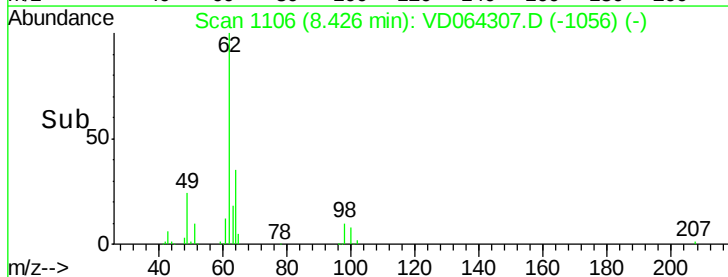
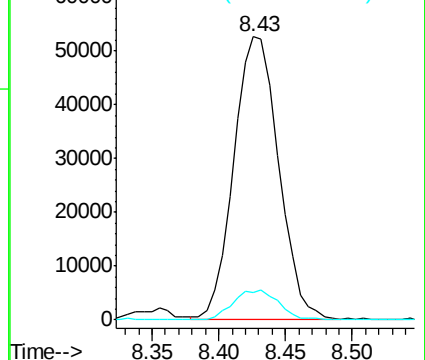
Tgt Ion: 62 Resp: 123021

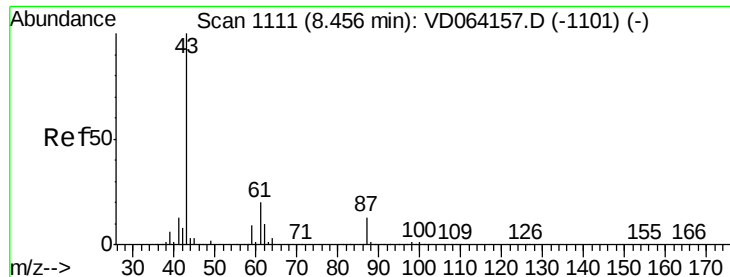
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.859 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

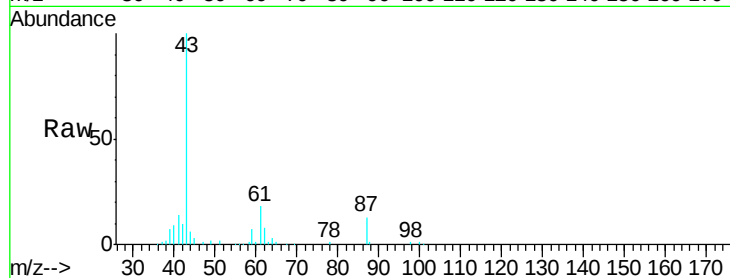
Tgt Ion: 43 Resp: 127854

Ion Ratio Lower Upper

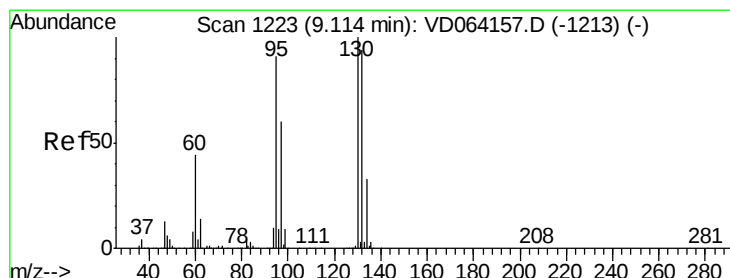
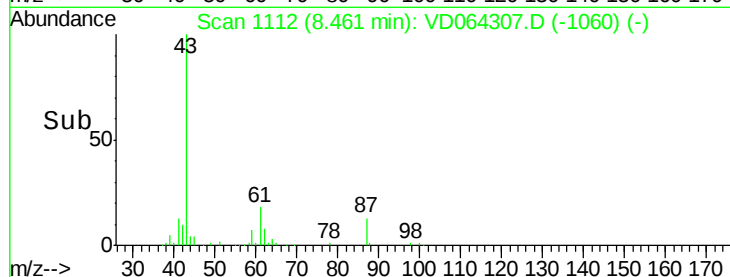
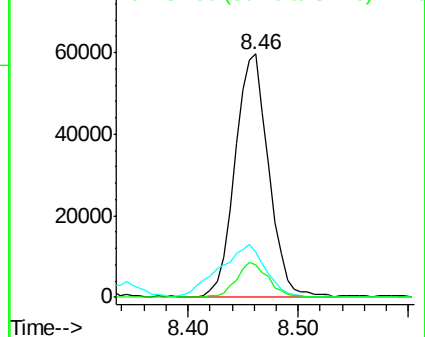
43 100

61 29.6 22.9 34.3

87 13.4 10.2 15.2



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: 19.721 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064307.D

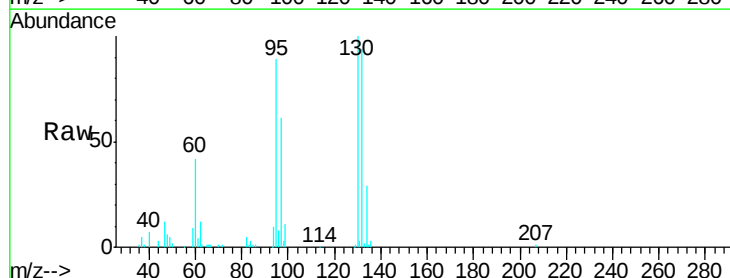
Acq: 20 Nov 2019 12:13

Tgt Ion: 130 Resp: 126256

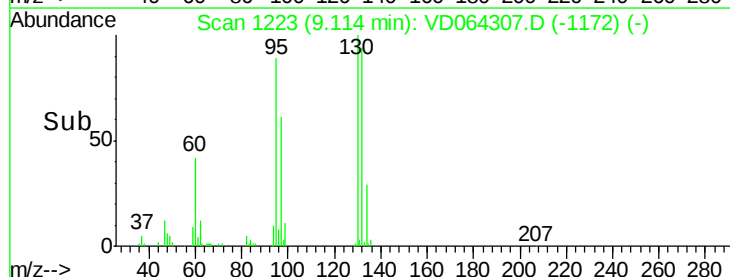
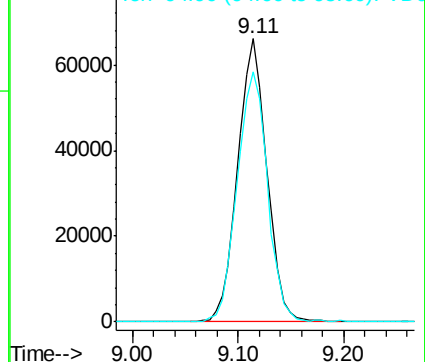
Ion Ratio Lower Upper

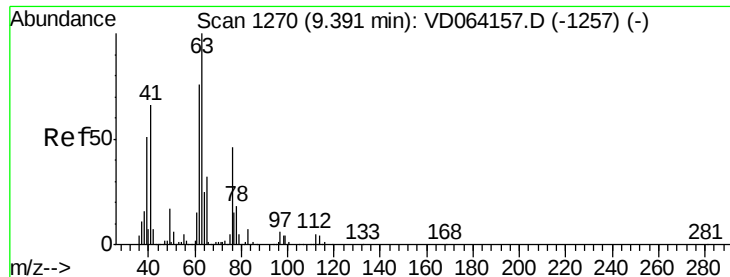
130 100

95 88.5 0.0 181.6



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

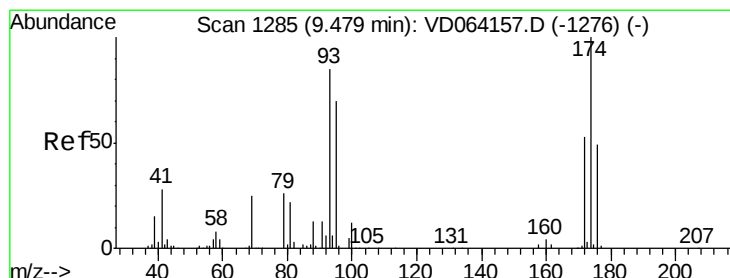
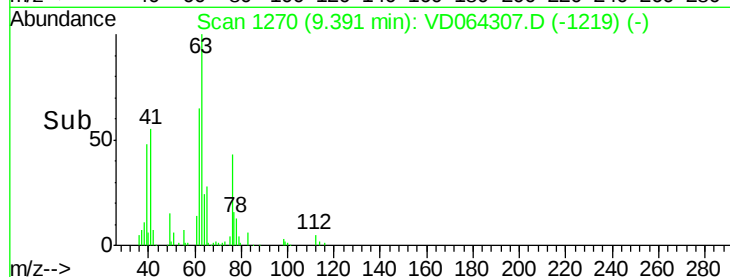
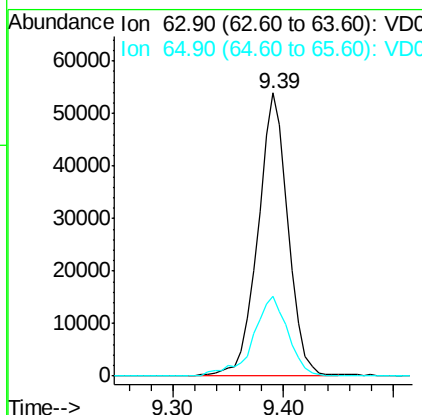
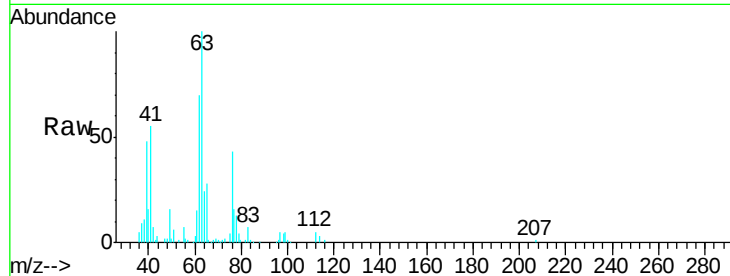




#45
 1,2-Dichloropropane
 Concen: 19.820 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

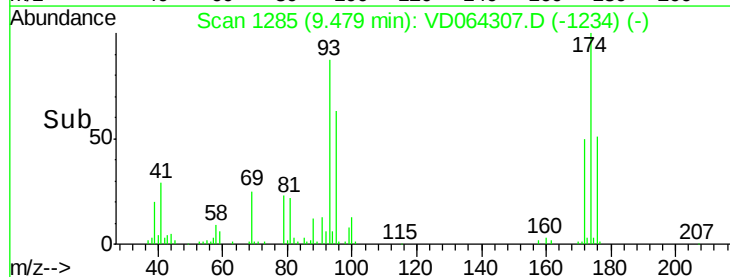
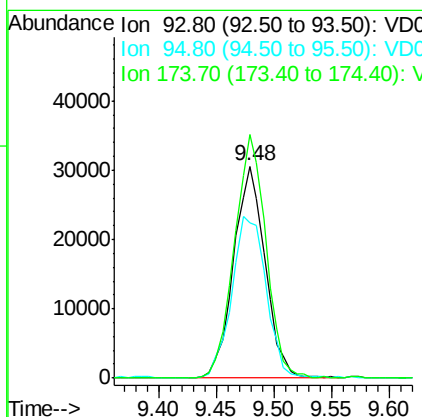
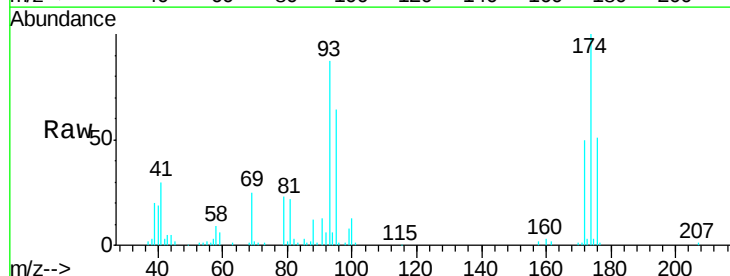
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

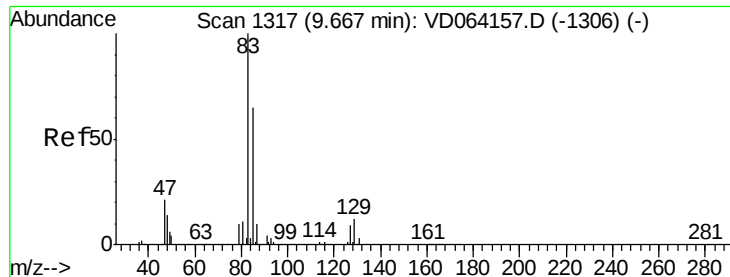
Tgt Ion: 63 Resp: 102901
 Ion Ratio Lower Upper
 63 100
 65 28.4 25.7 38.5



#46
 Dibromomethane
 Concen: 20.833 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion: 93 Resp: 57906
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.5 98.3
 174 114.8 93.9 140.9





#47

Bromodichloromethane

Concen: 19.714 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

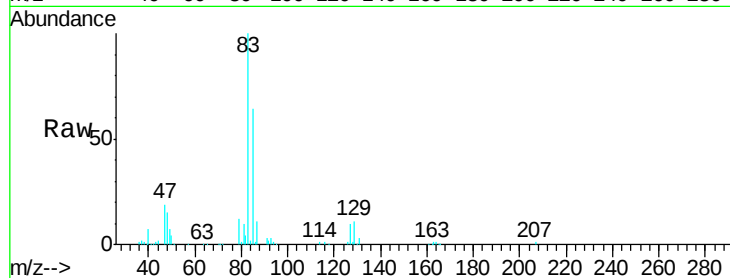
Tgt Ion: 83 Resp: 147593

Ion Ratio Lower Upper

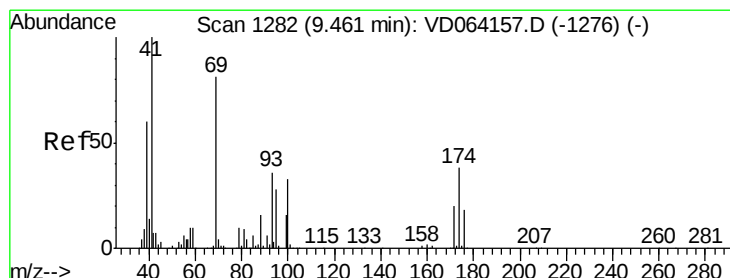
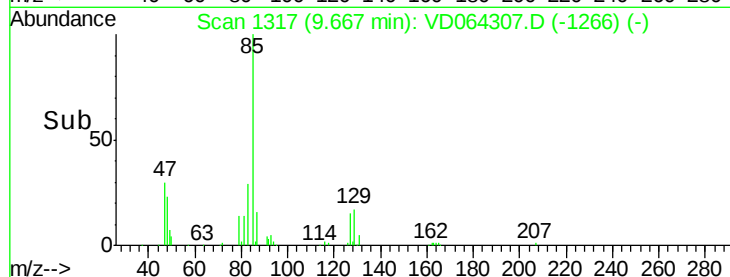
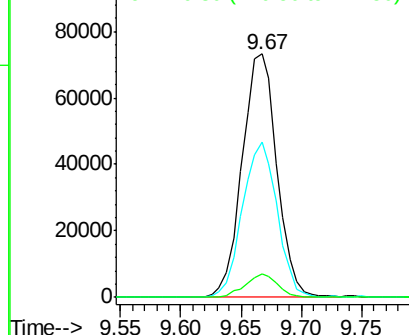
83 100

85 63.9 52.2 78.4

127 9.6 7.5 11.3



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



#48

Methyl methacrylate

Concen: 17.738 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

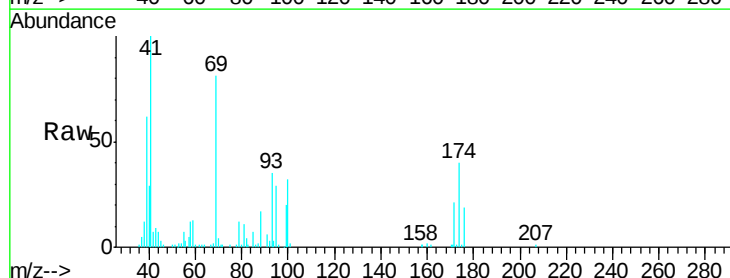
Tgt Ion: 41 Resp: 58800

Ion Ratio Lower Upper

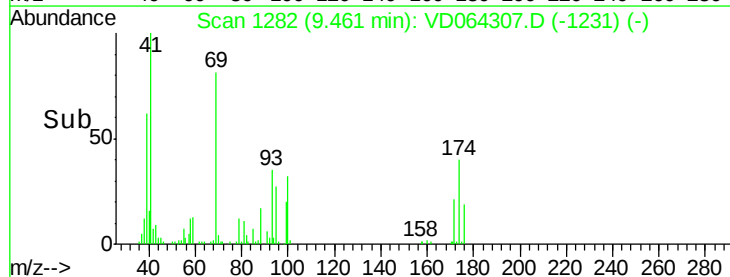
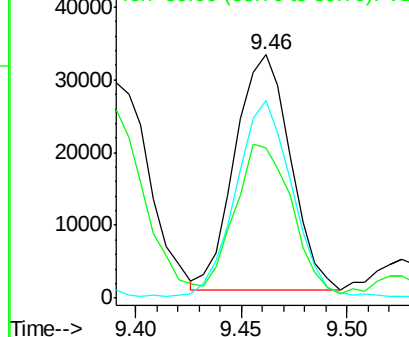
41 100

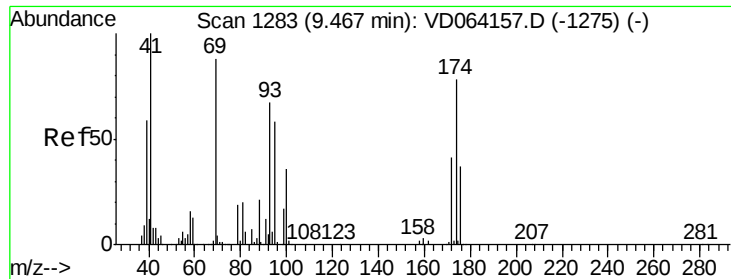
69 87.0 64.6 97.0

39 68.5 48.2 72.2



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: 399.563 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

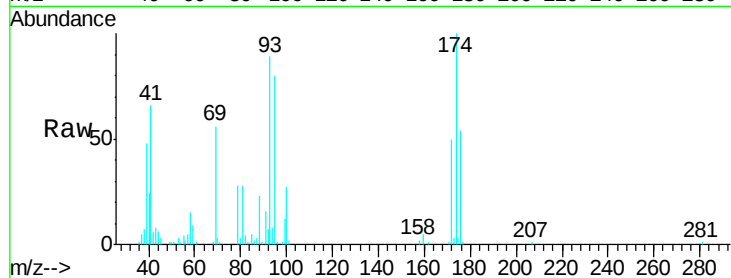
Tgt Ion: 88 Resp: 13338

Ion Ratio Lower Upper

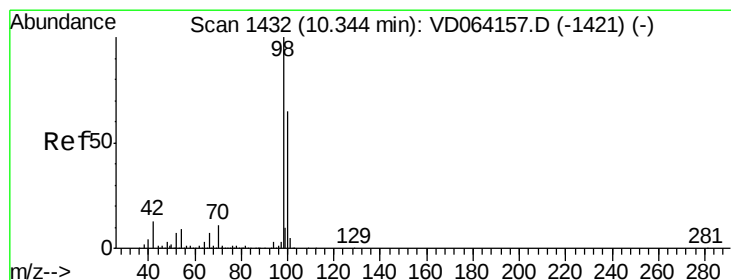
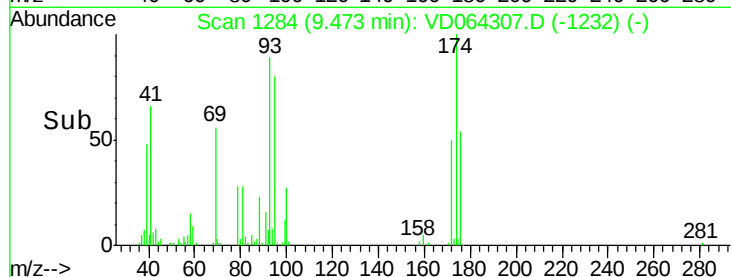
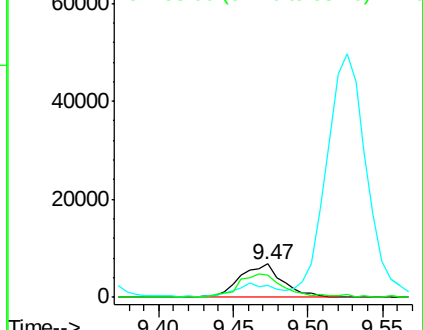
88 100

43 43.1 29.8 44.8

58 78.3 58.1 87.1



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



#50

Toluene-d8

Concen: 49.044 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064307.D

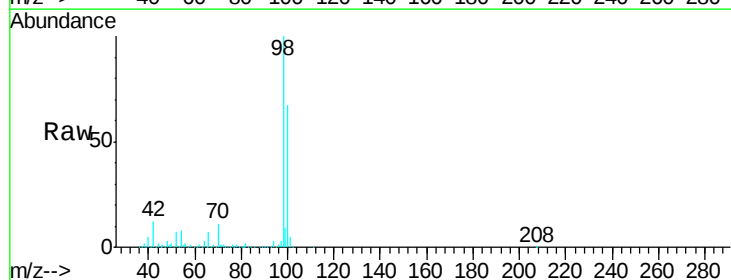
Acq: 20 Nov 2019 12:13

Tgt Ion: 98 Resp: 898108

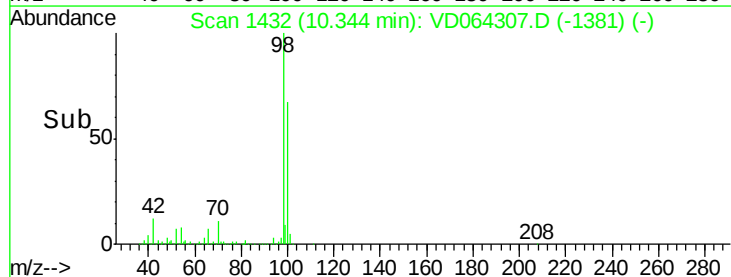
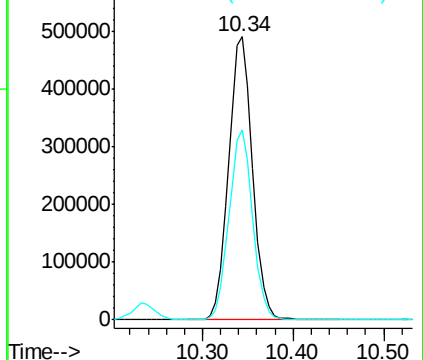
Ion Ratio Lower Upper

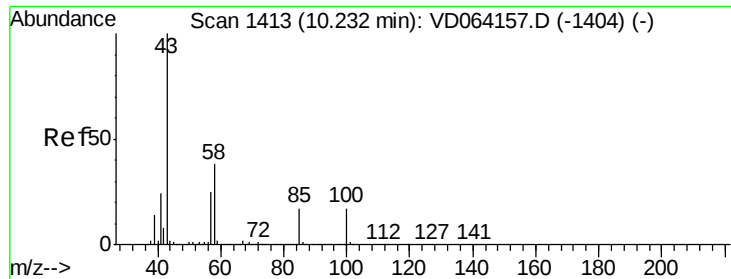
98 100

100 66.5 52.6 78.8



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

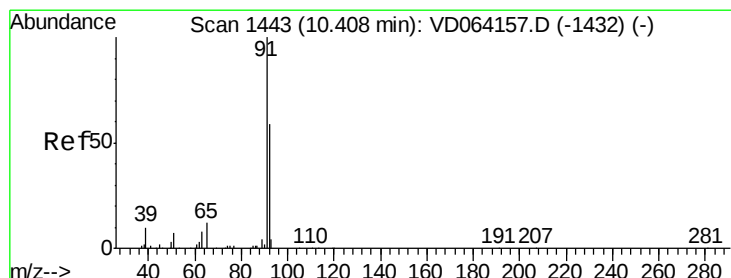
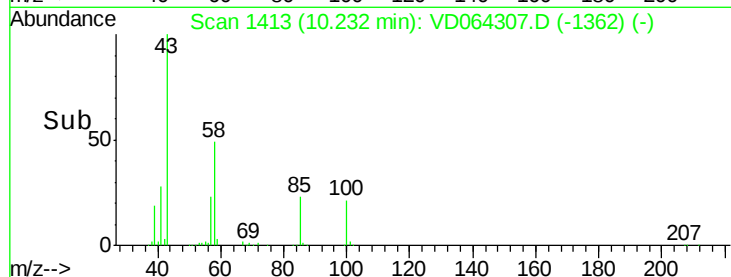
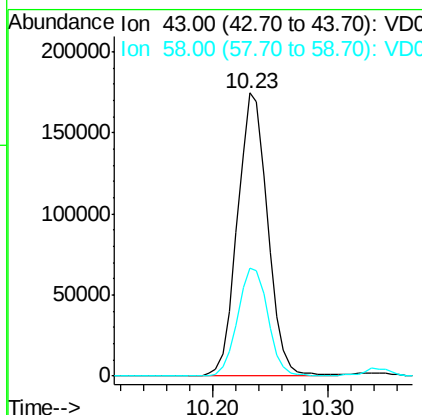
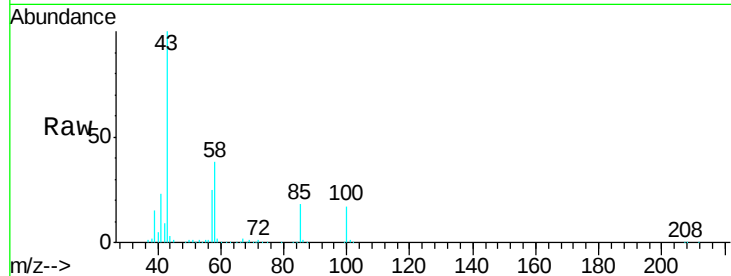




#51
 4-Methyl-2-Pentanone
 Concen: 97.103 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

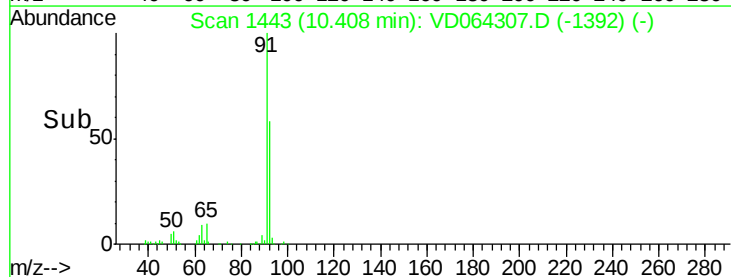
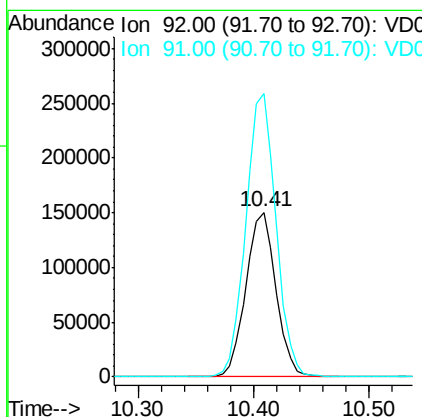
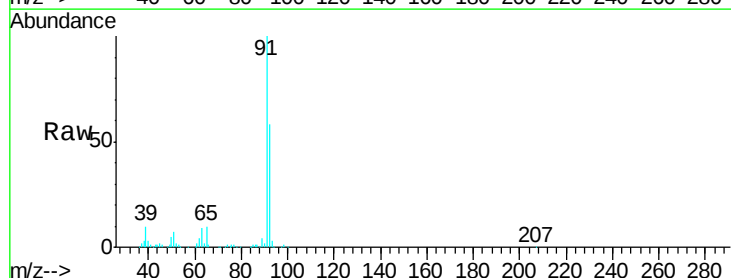
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

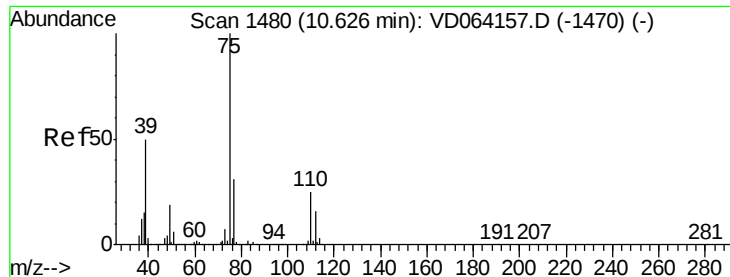
Tgt Ion: 43 Resp: 315683
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.2 45.4



#52
 Toluene
 Concen: 19.474 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion: 92 Resp: 273146
 Ion Ratio Lower Upper
 92 100
 91 173.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.406 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

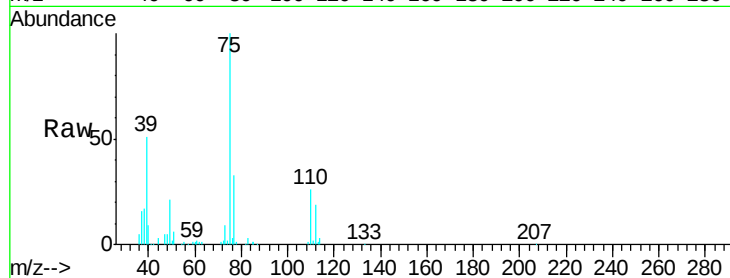
VD1120SBS01

Tgt Ion: 75 Resp: 138057

Ion Ratio Lower Upper

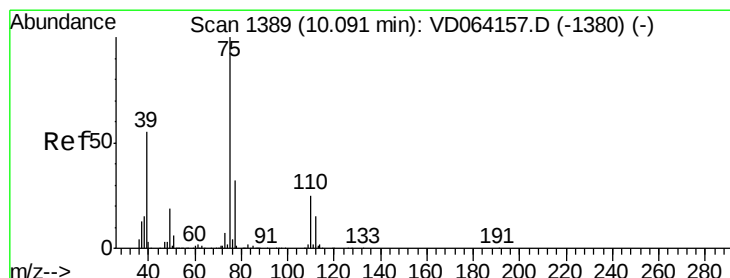
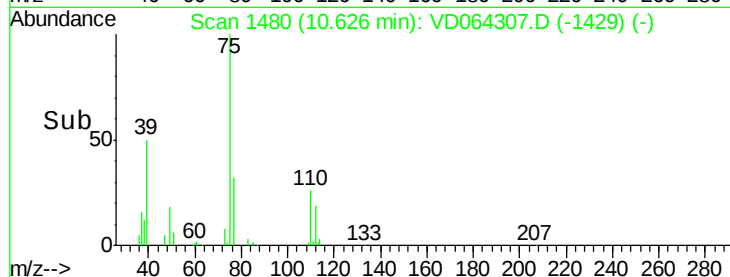
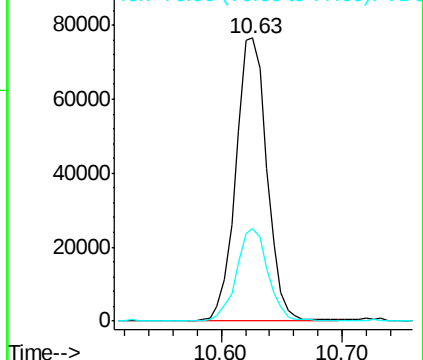
75 100

77 32.8 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.261 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

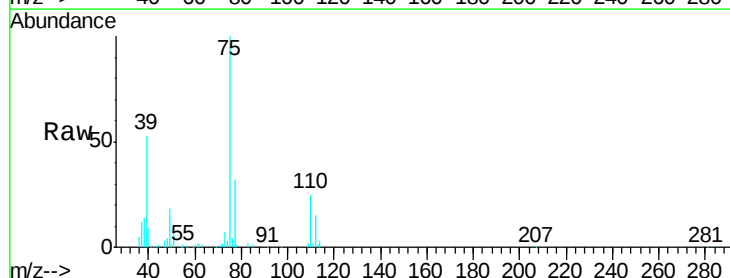
Tgt Ion: 75 Resp: 168582

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

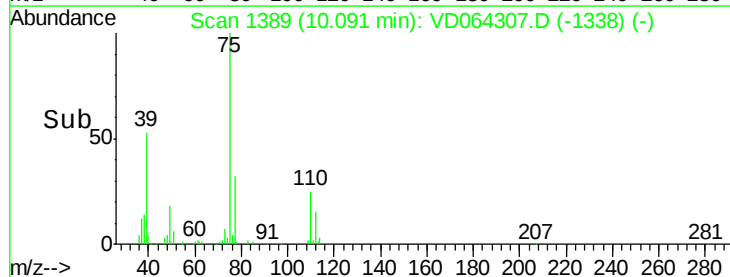
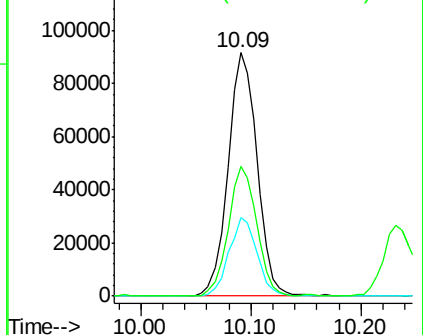
39 53.0 44.2 66.2

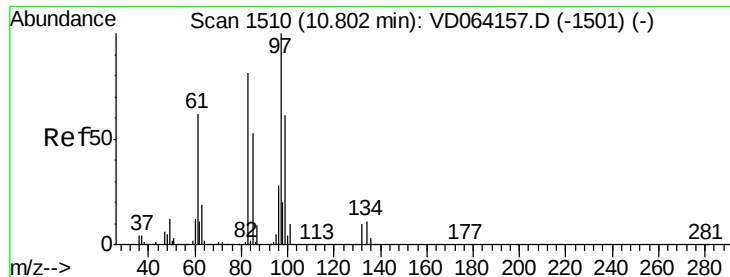


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

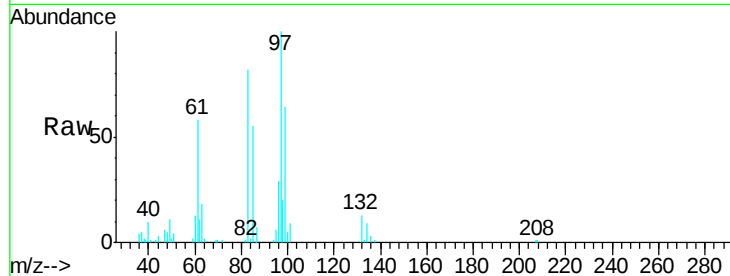




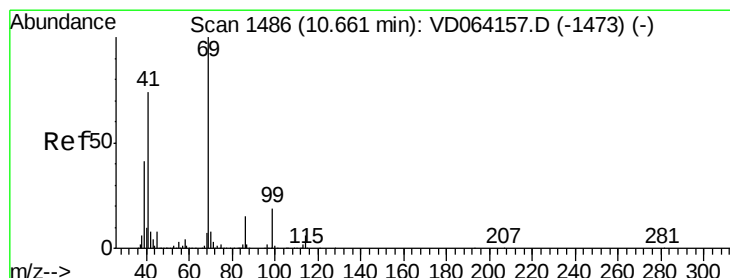
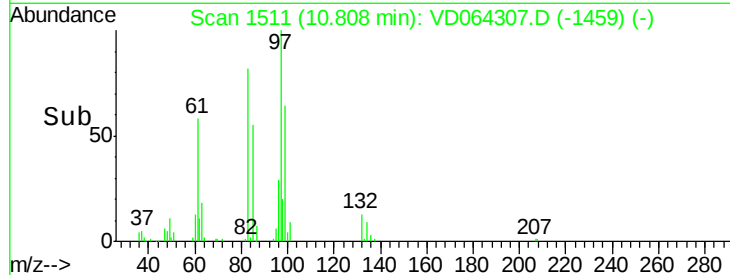
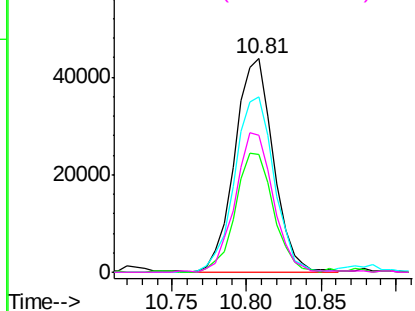
#55
 1,1,2-Trichloroethane
 Concen: 20.953 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tgt Ion:	97	Resp:	79006
Ion	Ratio	Lower	Upper
97	100		
83	82.4	65.1	97.7
85	55.1	42.0	63.0
99	63.9	48.9	73.3

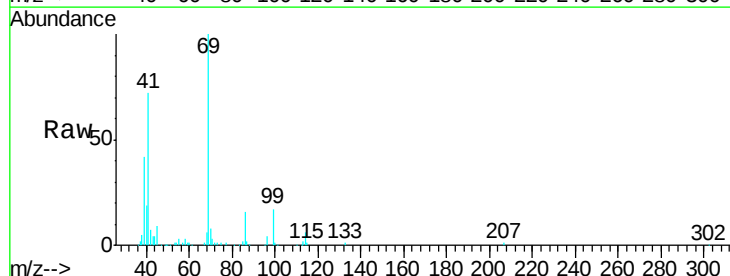


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

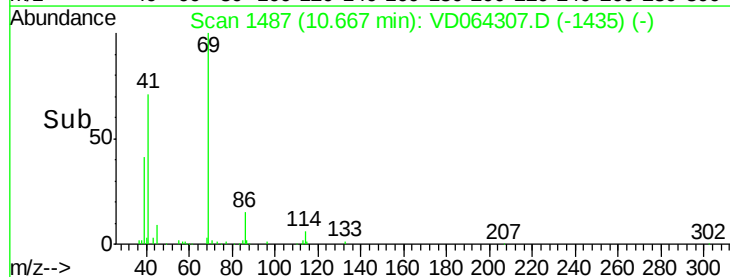
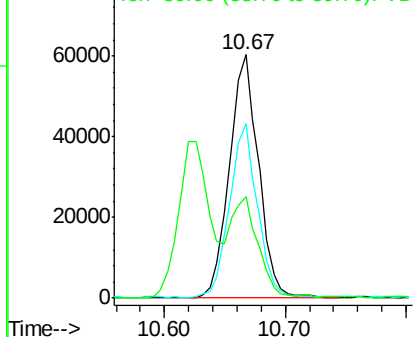


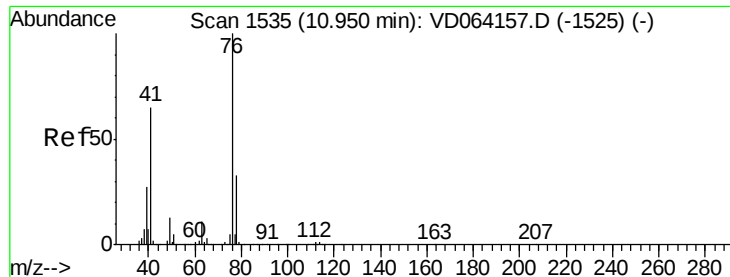
#56
 Ethyl methacrylate
 Concen: 19.275 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion:	69	Resp:	101669
Ion	Ratio	Lower	Upper
69	100		
41	67.7	57.9	86.9
39	36.6	29.0	43.4



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





#57

1,3-Dichloropropane

Concen: 20.480 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

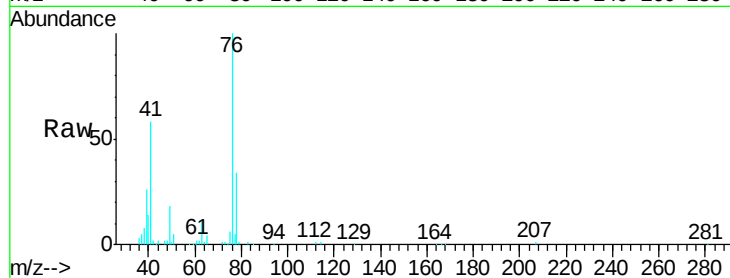
VD1120SBS01

Tgt Ion: 76 Resp: 134677

Ion Ratio Lower Upper

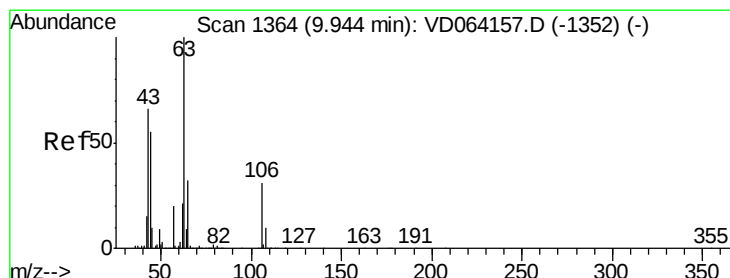
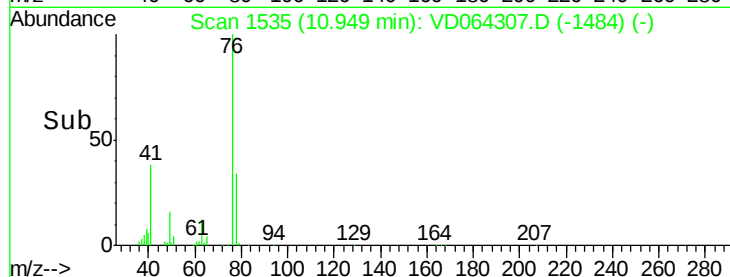
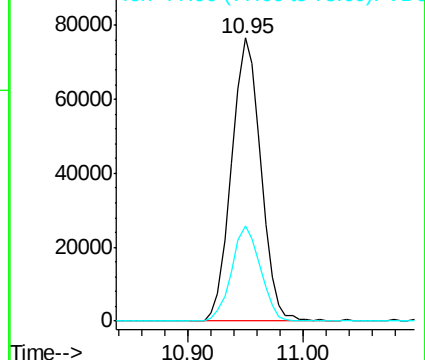
76 100

78 33.3 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.830 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064307.D

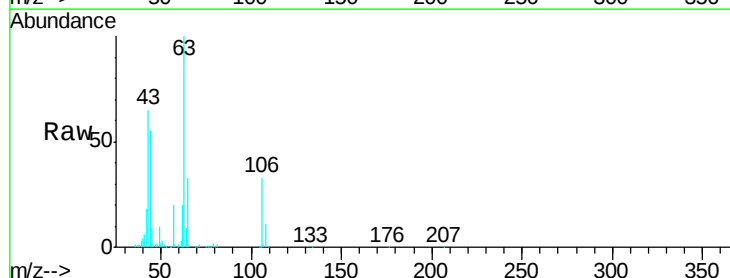
Acq: 20 Nov 2019 12:13

Tgt Ion: 63 Resp: 204748

Ion Ratio Lower Upper

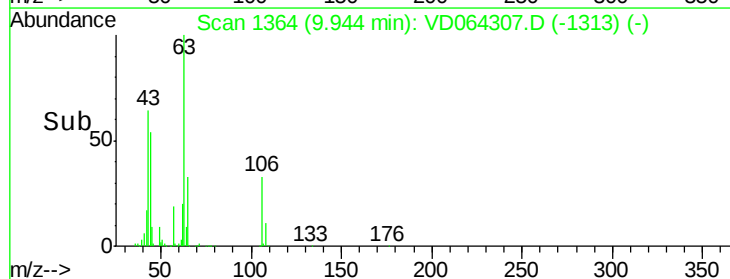
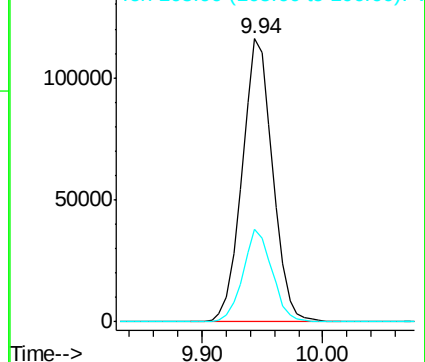
63 100

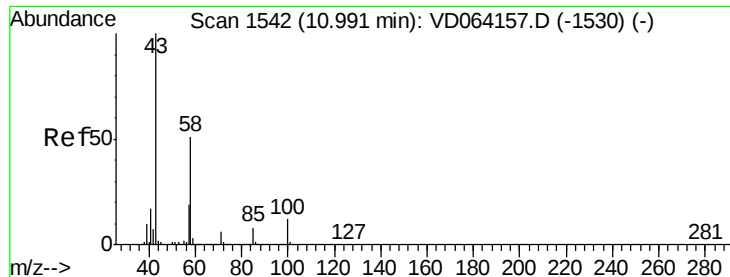
106 31.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

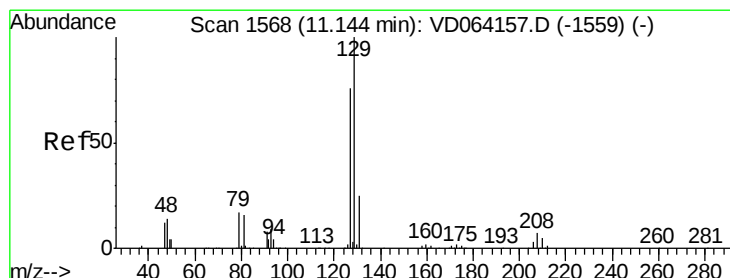
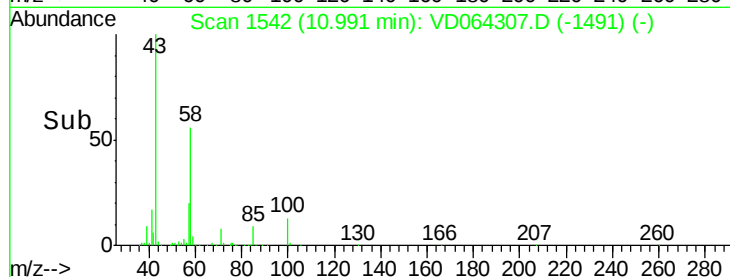
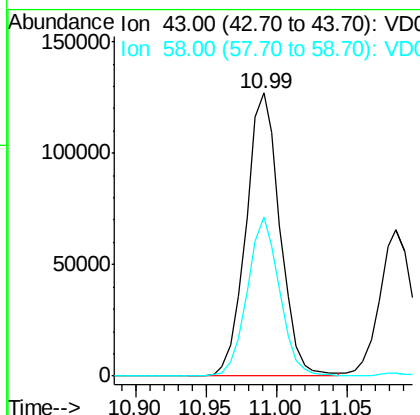
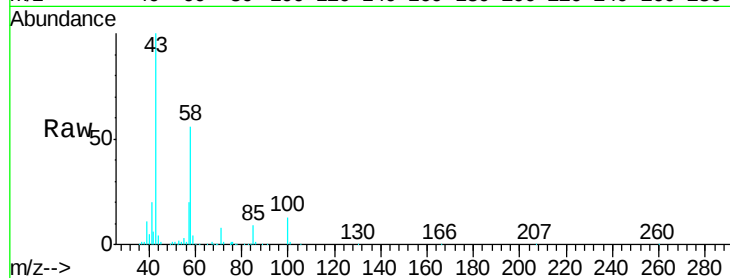




#59
2-Hexanone
Concen: 92.709 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

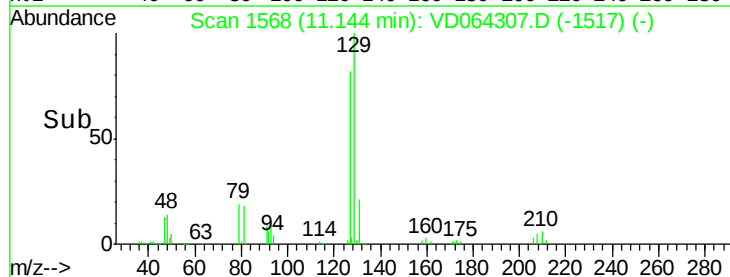
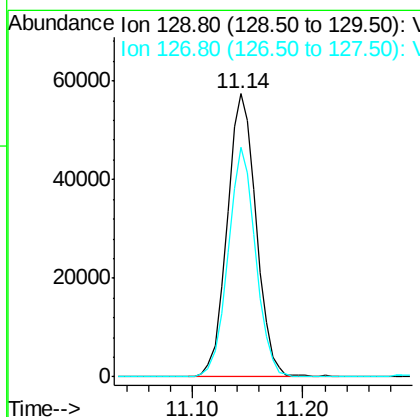
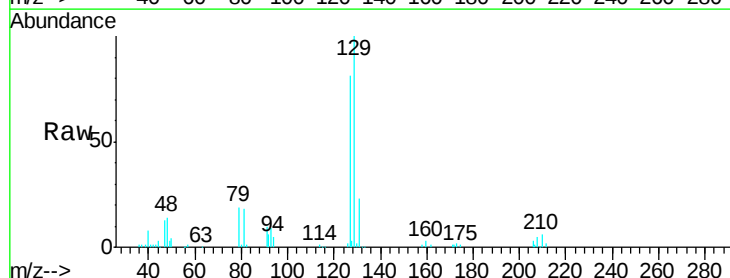
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tgt Ion: 43 Resp: 214429
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.7



#60
Dibromochloromethane
Concen: 20.075 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 129 Resp: 105622
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8

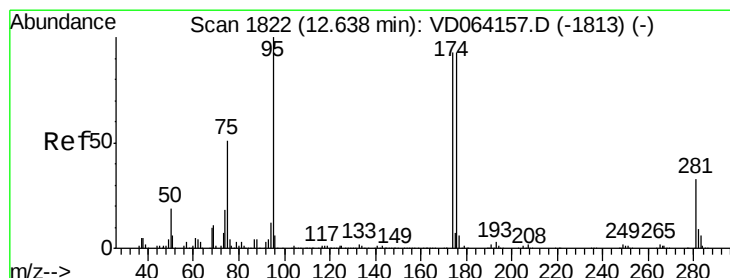
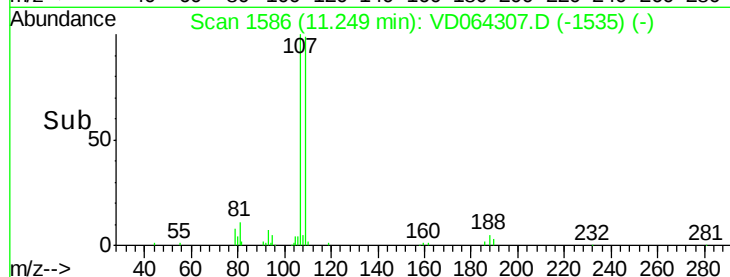
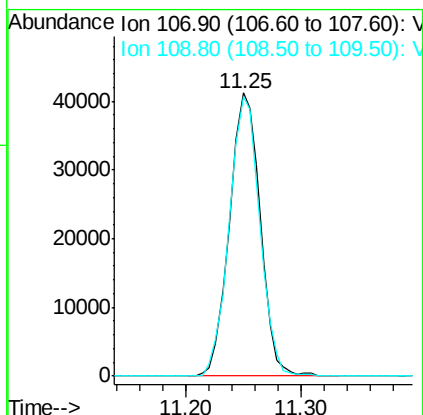
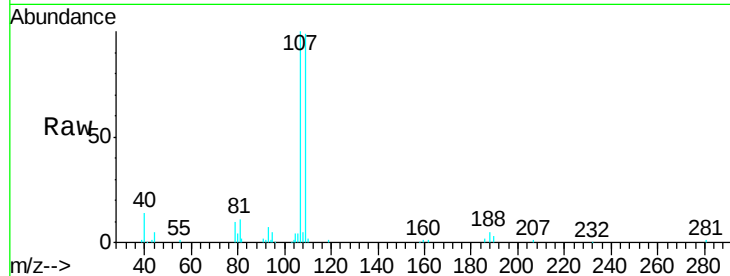




#61
 1,2-Dibromoethane
 Concen: 20.158 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

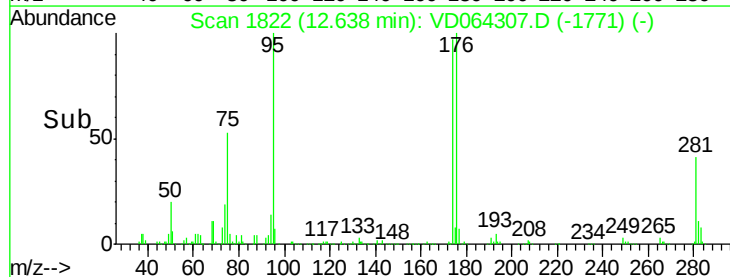
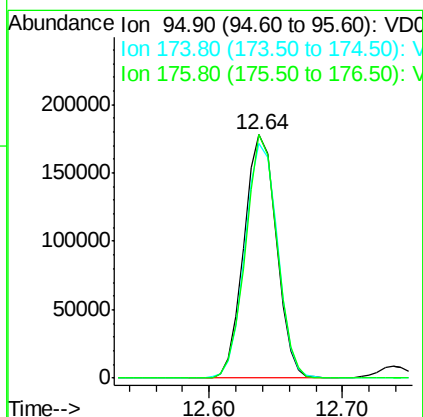
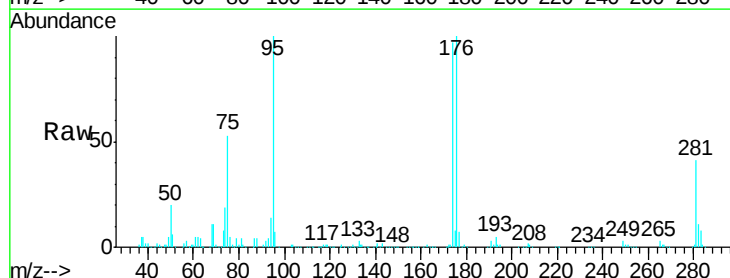
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

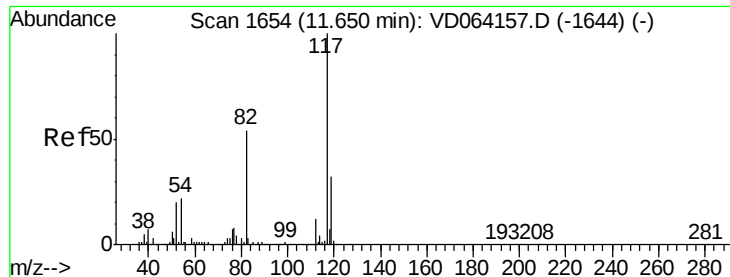
Tgt Ion: 107 Resp: 76130
 Ion Ratio Lower Upper
 107 100
 109 98.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.020 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion: 95 Resp: 298190
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 183.6
 176 96.5 0.0 180.2

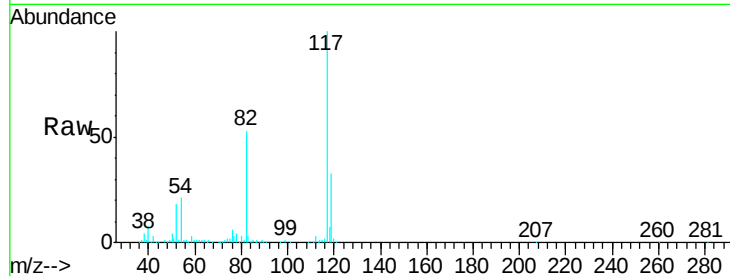




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.8	64.2
119	32.8	25.6	38.4

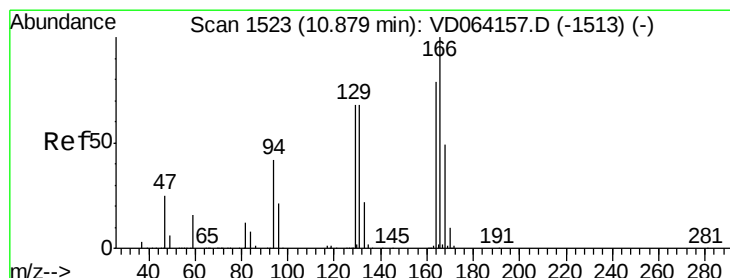
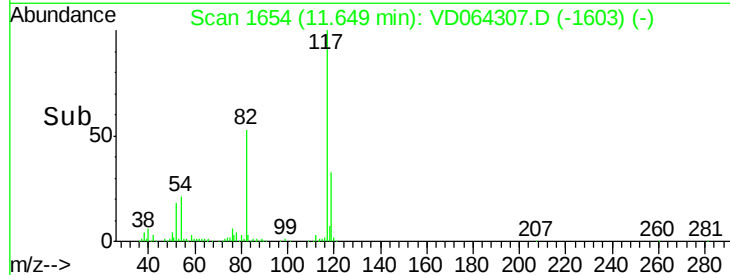
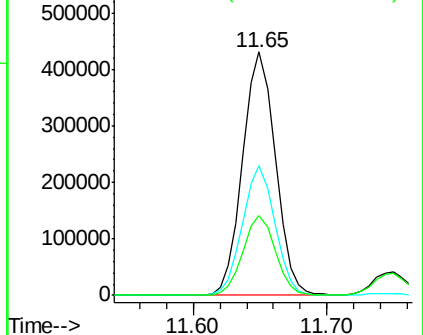


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.747 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	100.8	151.2
129	87.1	68.7	103.1
131	81.0	68.1	102.1

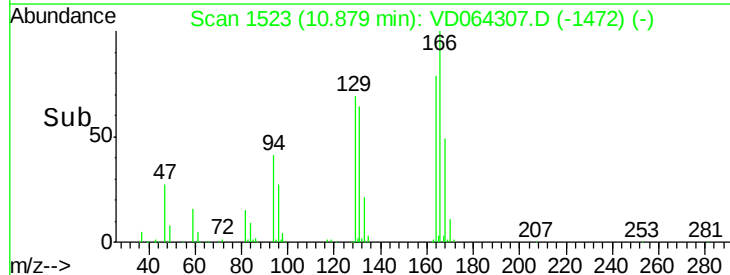
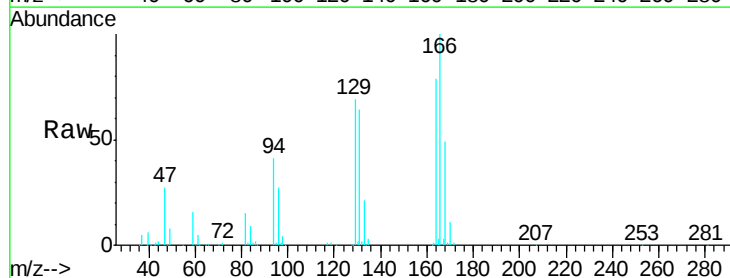
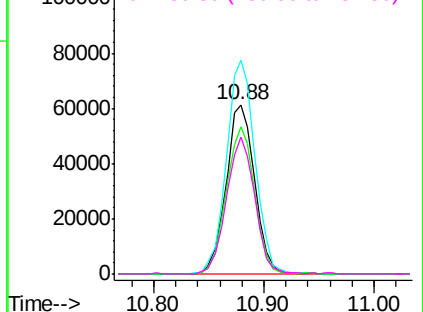
Abundance

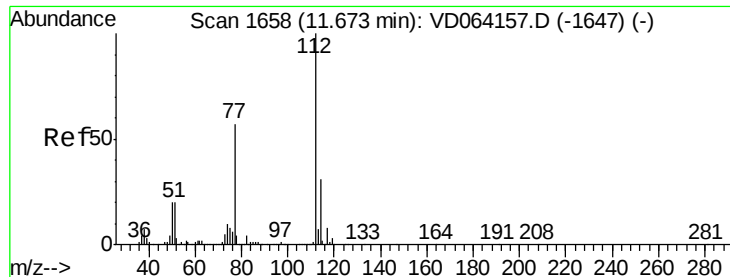
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.796 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

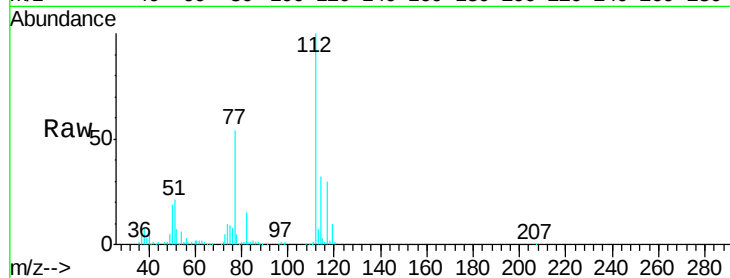
VD1120SBS01

Tgt Ion:112 Resp: 295021

Ion Ratio Lower Upper

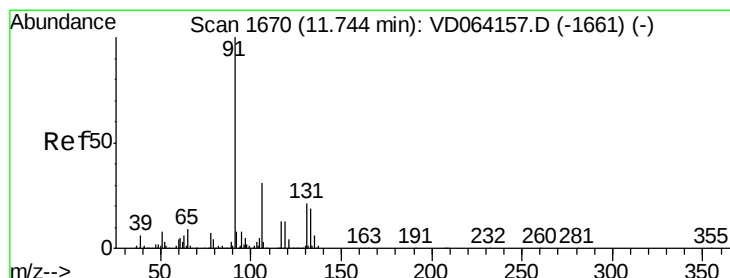
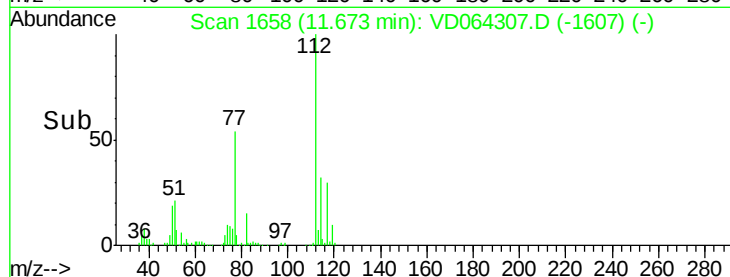
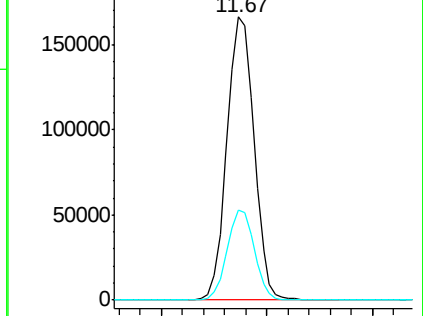
112 100

114 31.8 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.553 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

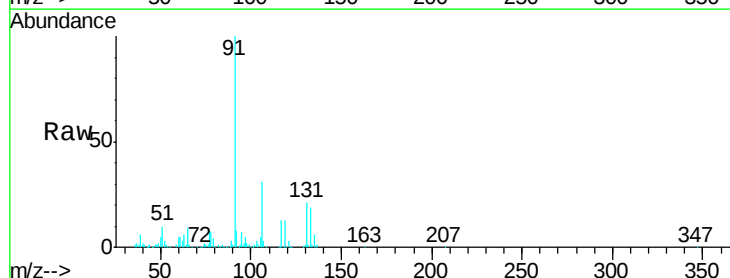
Tgt Ion:131 Resp: 110800

Ion Ratio Lower Upper

131 100

133 95.8 47.3 141.9

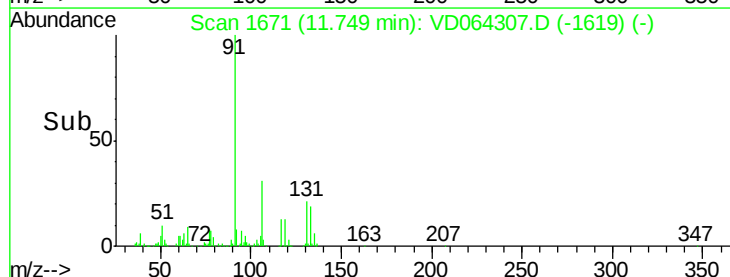
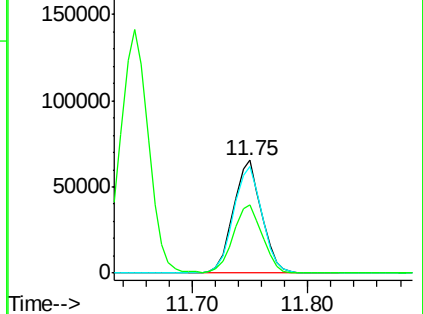
119 62.4 31.1 93.3

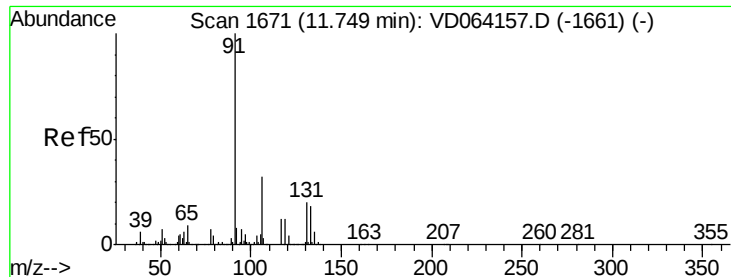


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.503 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

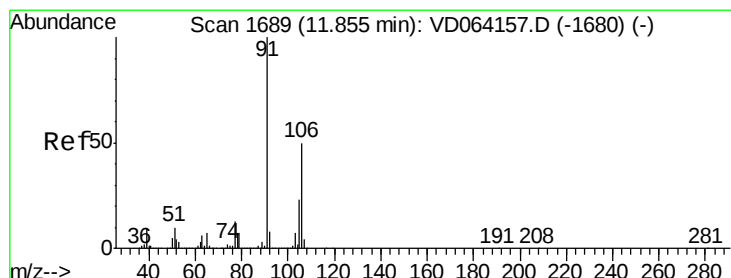
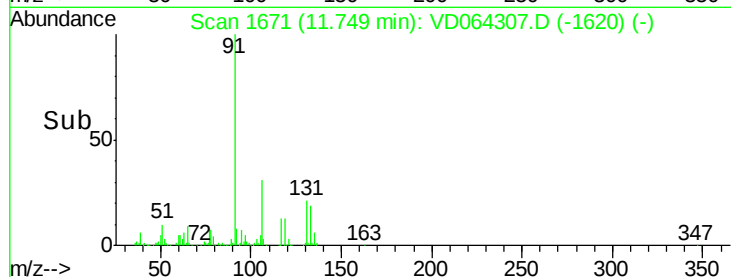
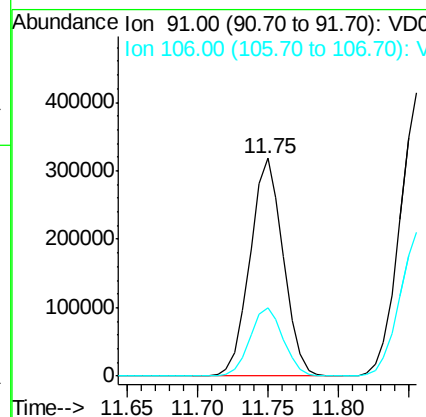
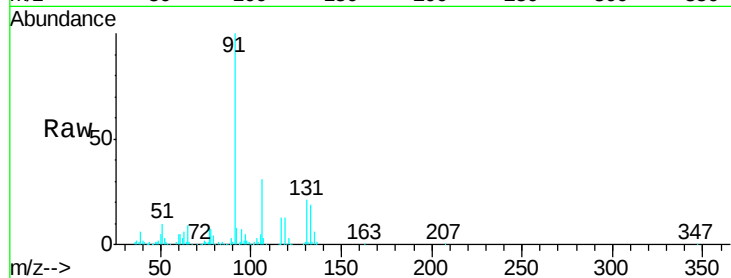
VD1120SBS01

Tgt Ion: 91 Resp: 525743

Ion Ratio Lower Upper

91 100

106 31.5 25.5 38.3



#68

m/p-Xylenes

Concen: 39.207 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064307.D

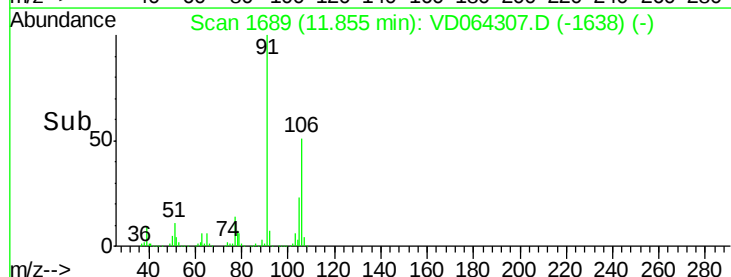
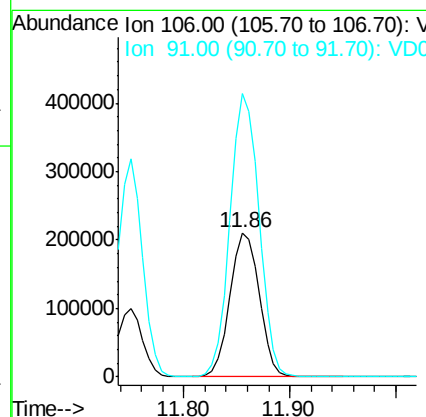
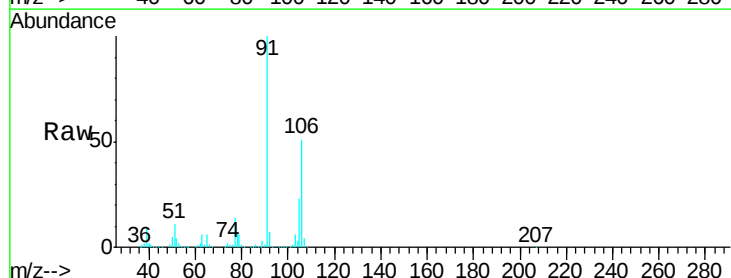
Acq: 20 Nov 2019 12:13

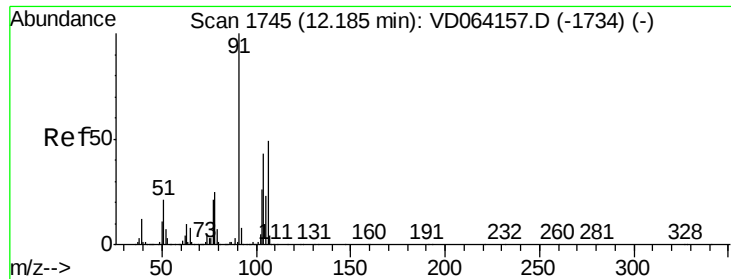
Tgt Ion: 106 Resp: 405120

Ion Ratio Lower Upper

106 100

91 193.8 160.3 240.5

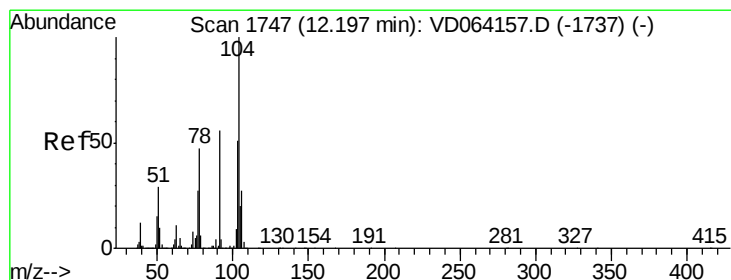
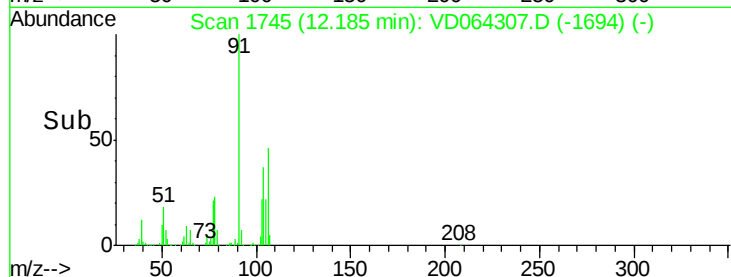
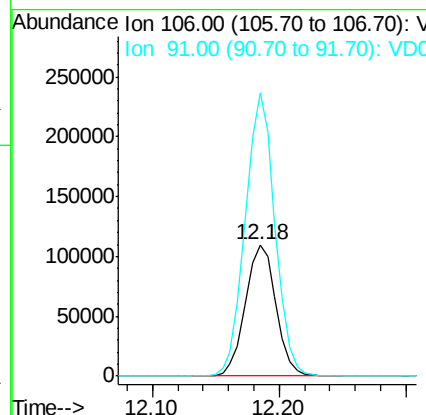
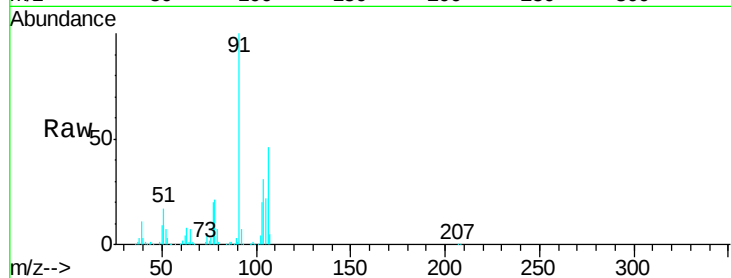




#69
o-Xylene
Concen: 19.124 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

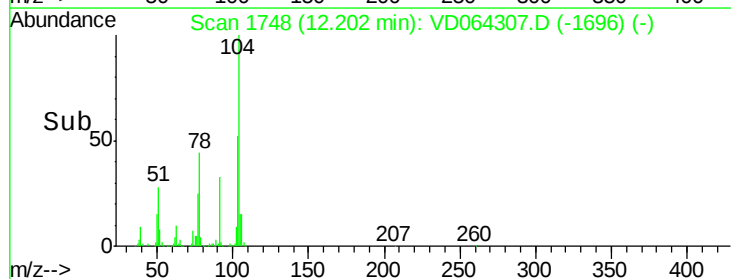
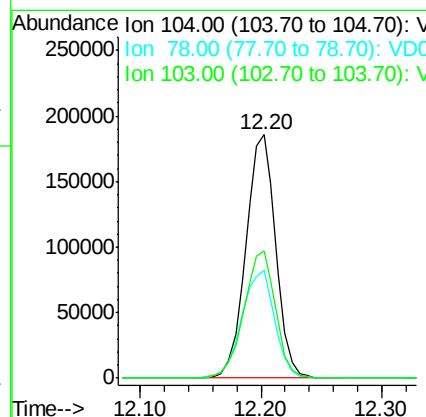
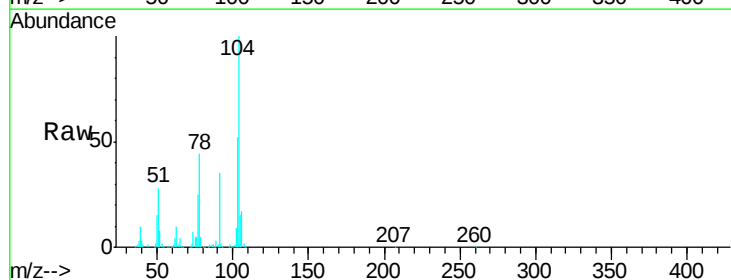
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

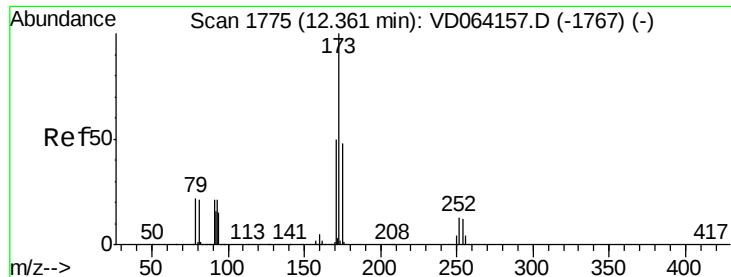
Tgt Ion:106 Resp: 183269
Ion Ratio Lower Upper
106 100
91 209.5 105.1 315.3



#70
Styrene
Concen: 19.065 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion:104 Resp: 318915
Ion Ratio Lower Upper
104 100
78 48.7 39.9 59.9
103 55.6 43.4 65.0





#71

Bromoform

Concen: 20.827 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

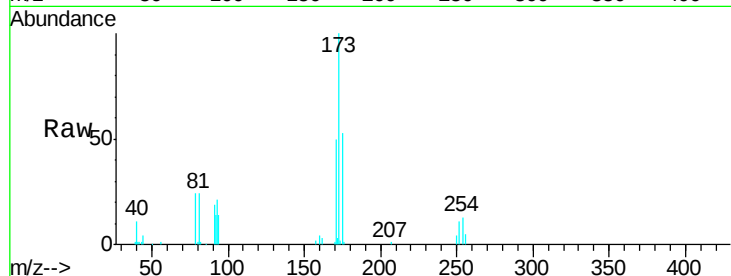
Tgt Ion:173 Resp: 67166

Ion Ratio Lower Upper

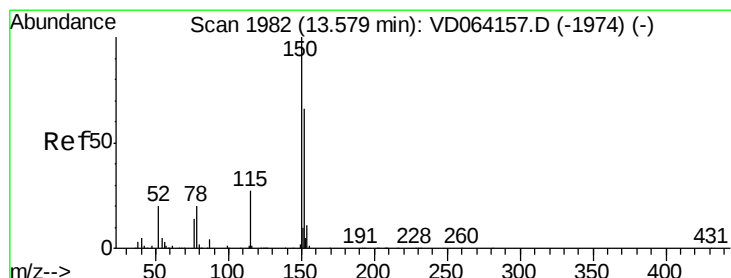
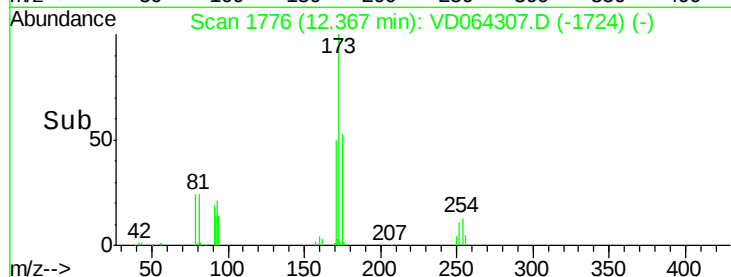
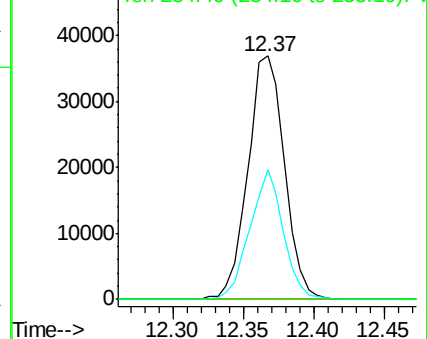
173 100

175 48.2 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

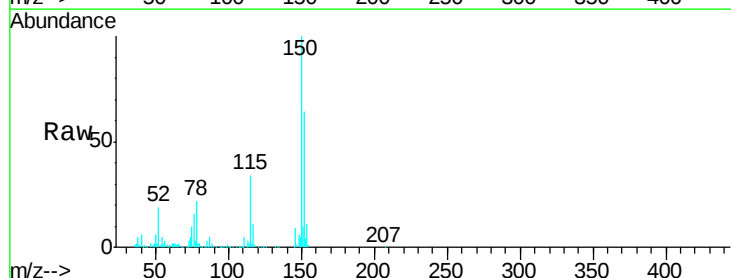
Tgt Ion:152 Resp: 355583

Ion Ratio Lower Upper

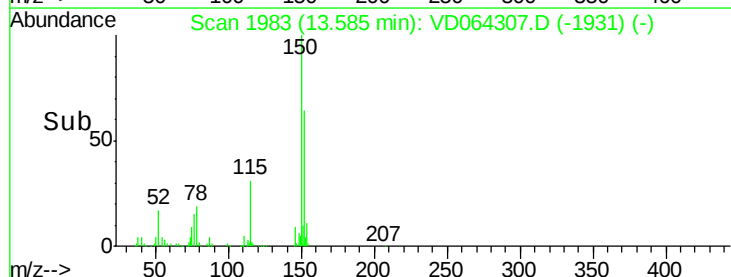
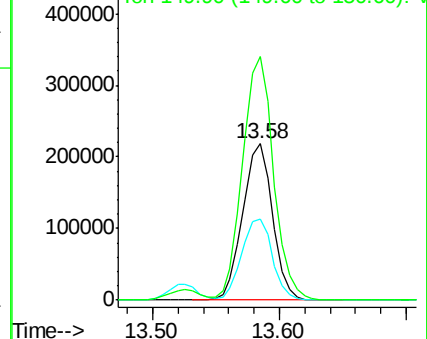
152 100

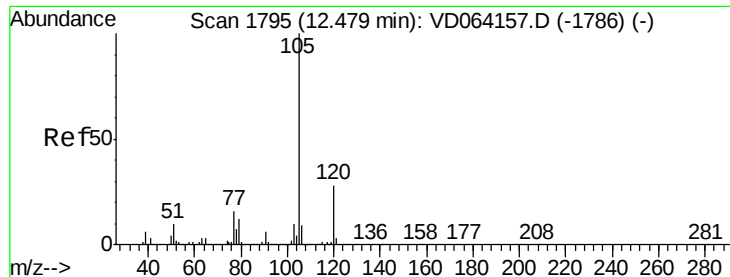
115 53.7 27.4 82.2

150 162.8 0.0 351.6



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: 19.850 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

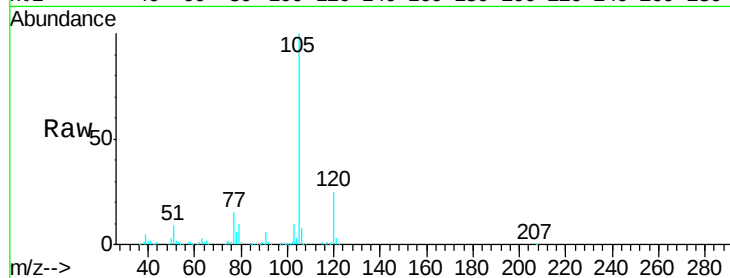
VD1120SBS01

Tgt Ion:105 Resp: 518083

Ion Ratio Lower Upper

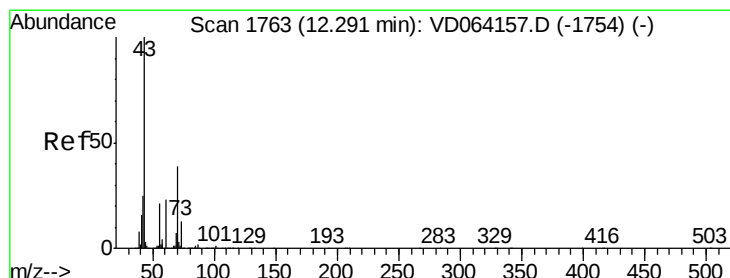
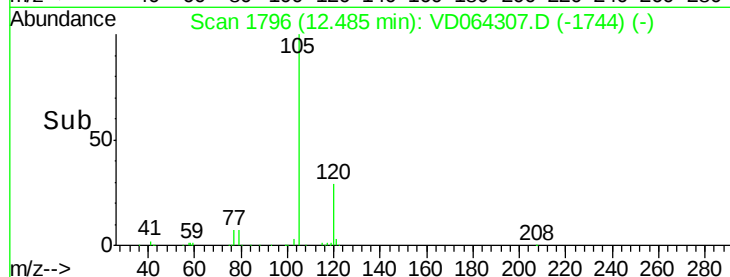
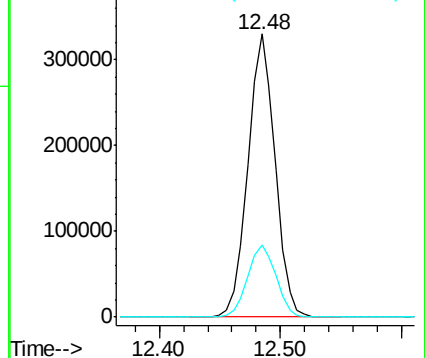
105 100

120 26.7 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.348 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Tgt Ion: 43 Resp: 113087

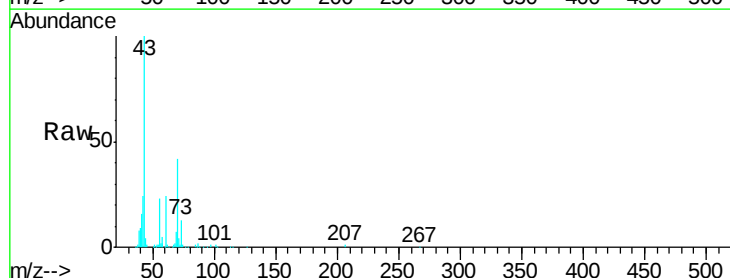
Ion Ratio Lower Upper

43 100

70 40.5 32.4 48.6

55 23.9 17.9 26.9

61 24.4 19.0 28.4

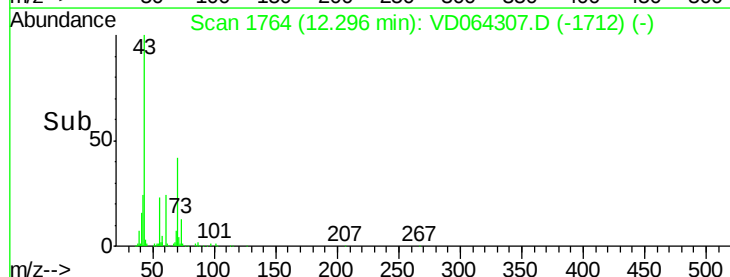
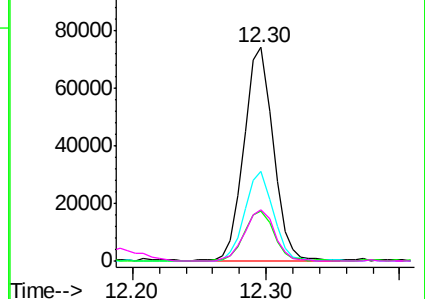


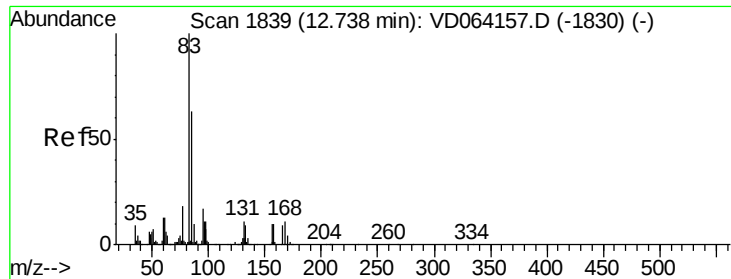
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.077 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

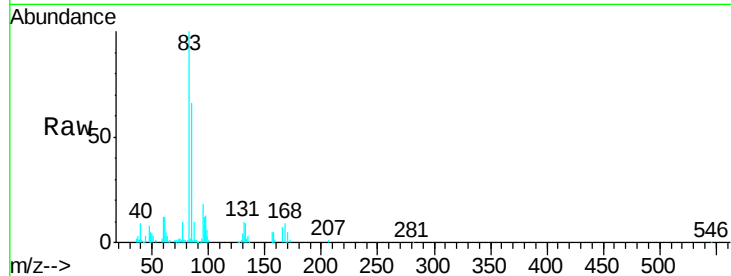
Tgt Ion: 83 Resp: 82890

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

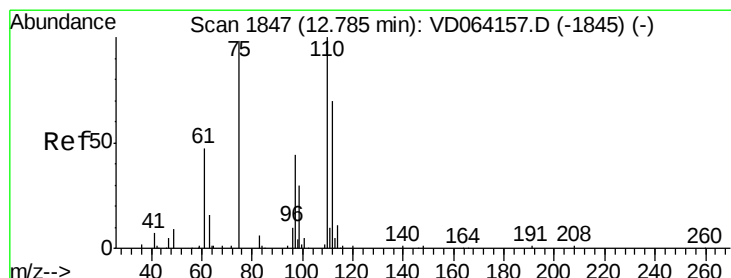
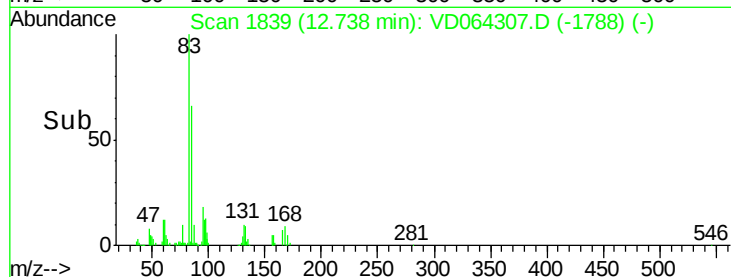
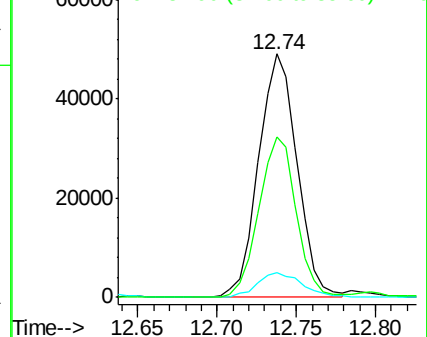
85 64.1 32.5 97.5



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: 37.604 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064307.D

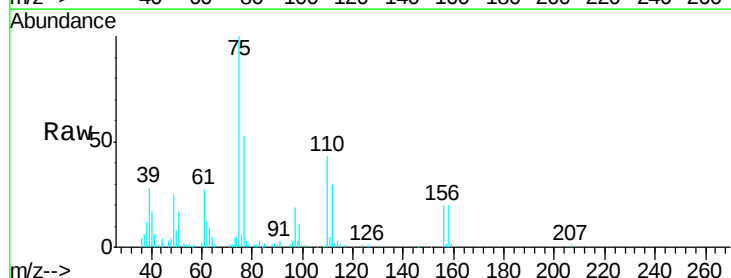
Acq: 20 Nov 2019 12:13

Tgt Ion: 75 Resp: 107702

Ion Ratio Lower Upper

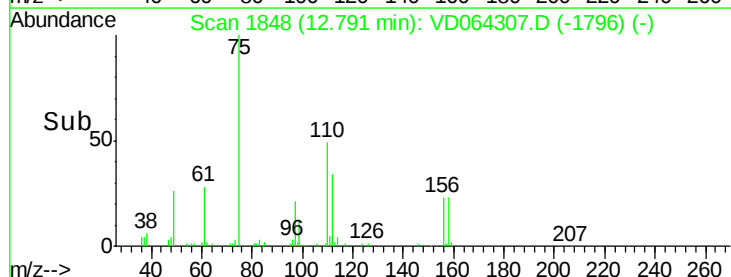
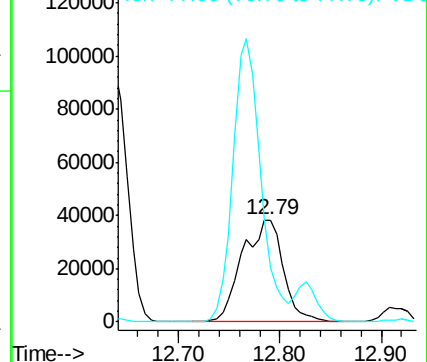
75 100

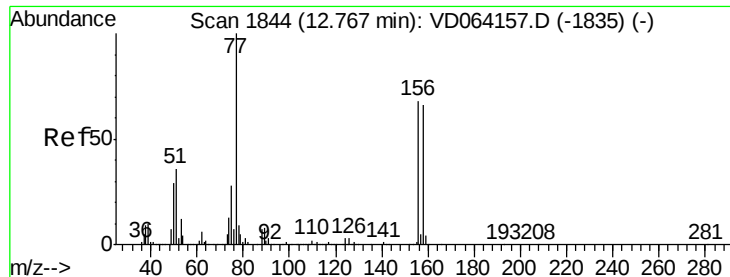
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.935 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

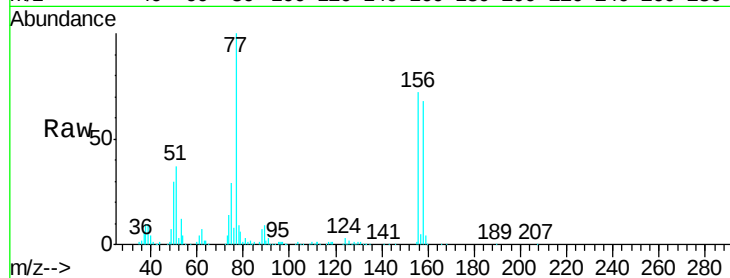
Tgt Ion:156 Resp: 126402

Ion Ratio Lower Upper

156 100

77 161.1 81.2 243.4

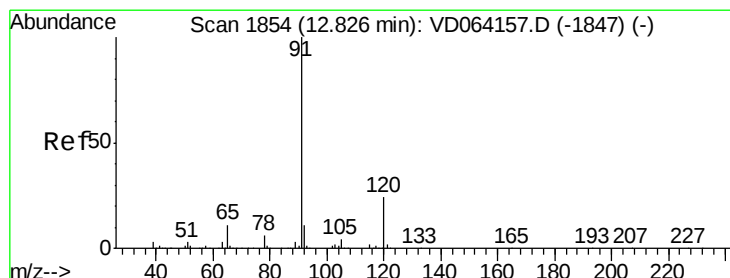
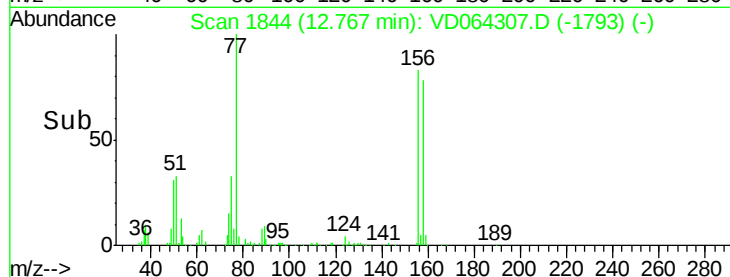
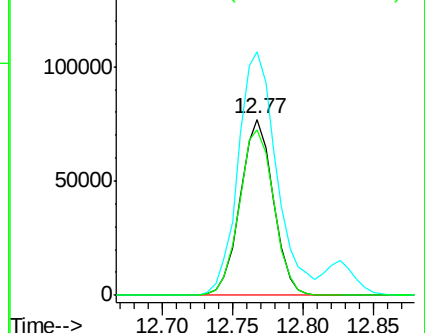
158 97.9 48.4 145.2



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: 19.664 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064307.D

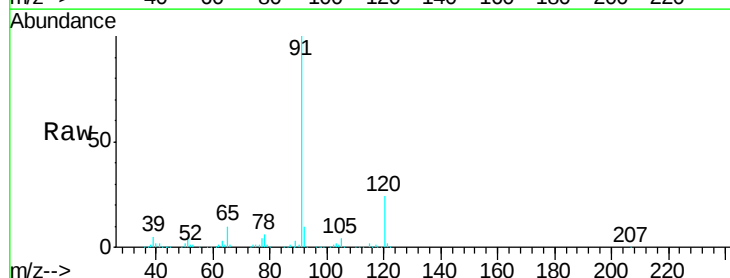
Acq: 20 Nov 2019 12:13

Tgt Ion: 91 Resp: 586354

Ion Ratio Lower Upper

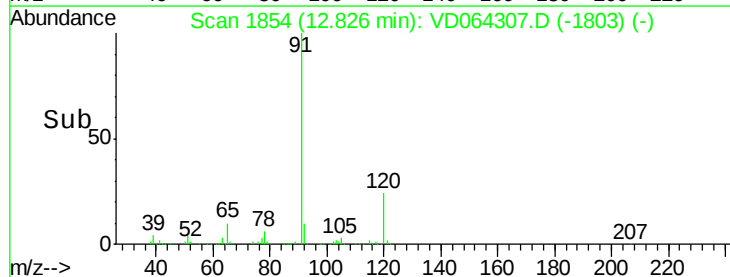
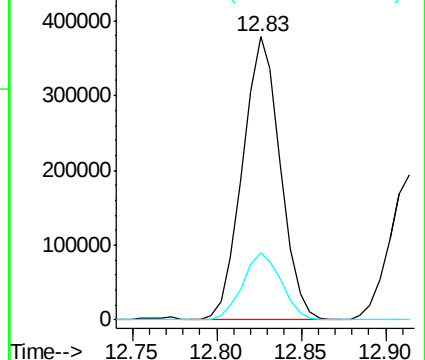
91 100

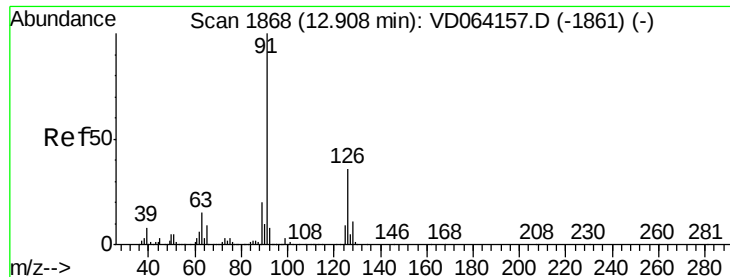
120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.966 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

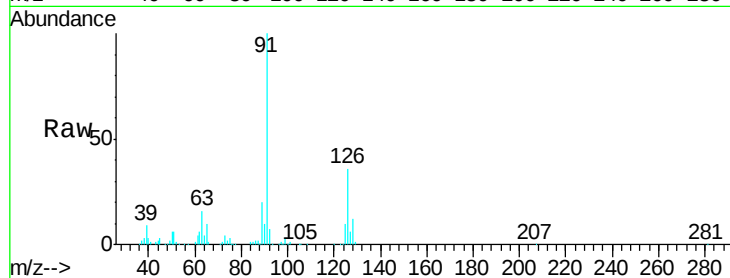
VD1120SBS01

Tgt Ion: 91 Resp: 319293

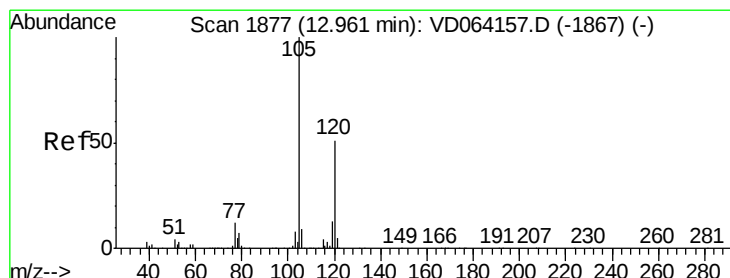
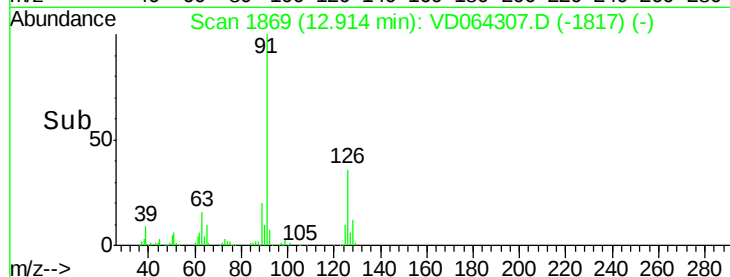
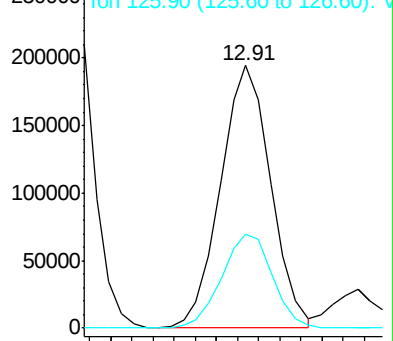
Ion Ratio Lower Upper

91 100

126 36.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.417 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064307.D

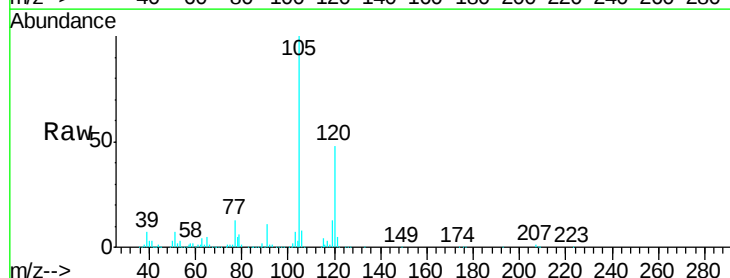
Acq: 20 Nov 2019 12:13

Tgt Ion: 105 Resp: 416429

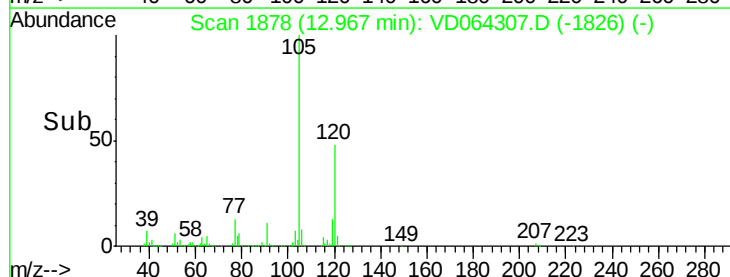
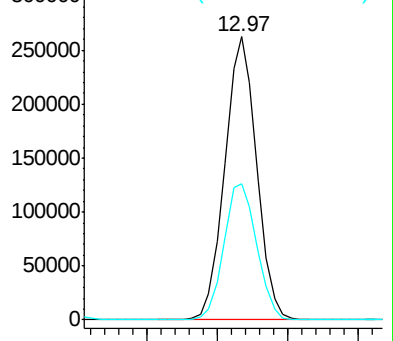
Ion Ratio Lower Upper

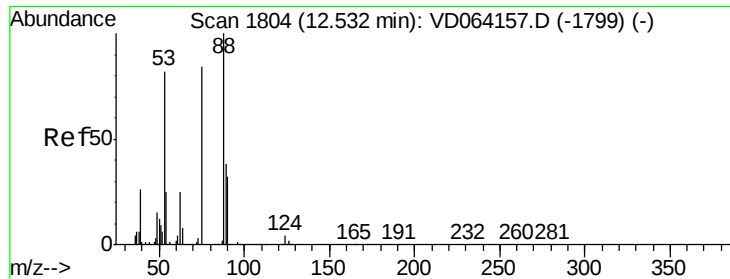
105 100

120 49.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.751 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

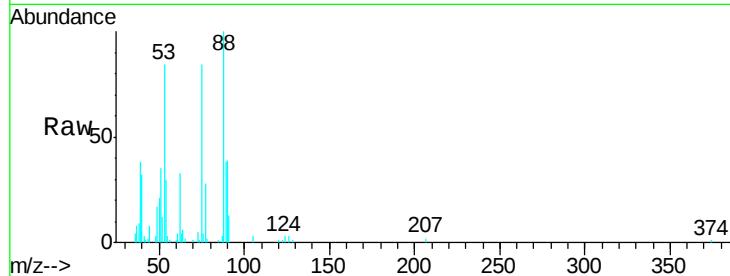
Tgt Ion: 75 Resp: 25594

Ion Ratio Lower Upper

75 100

53 101.9 79.4 119.0

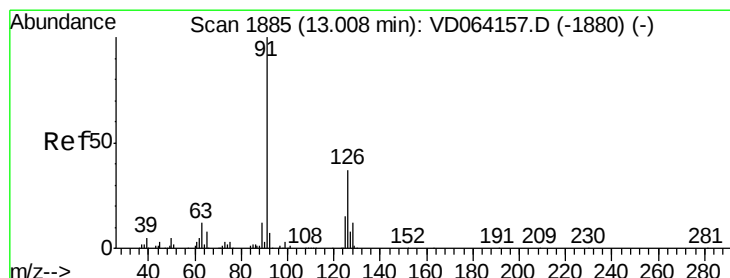
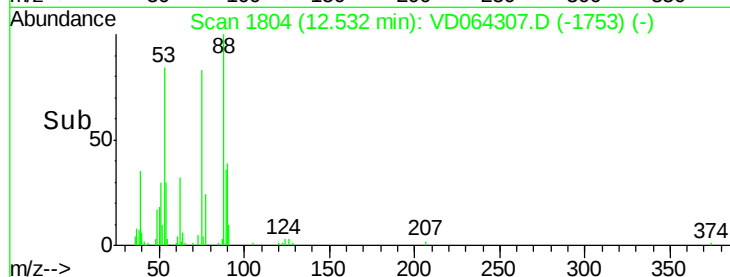
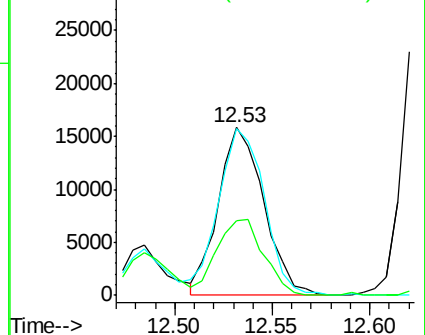
89 46.9 36.6 55.0



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: 19.340 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064307.D

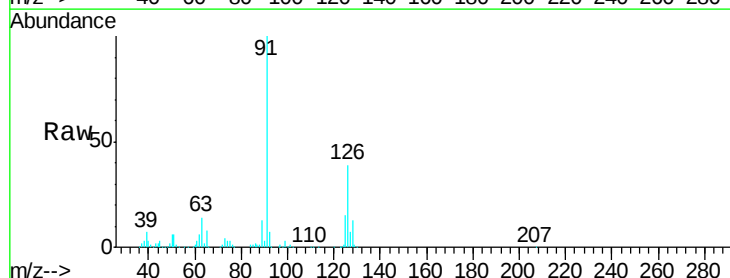
Acq: 20 Nov 2019 12:13

Tgt Ion: 91 Resp: 339610

Ion Ratio Lower Upper

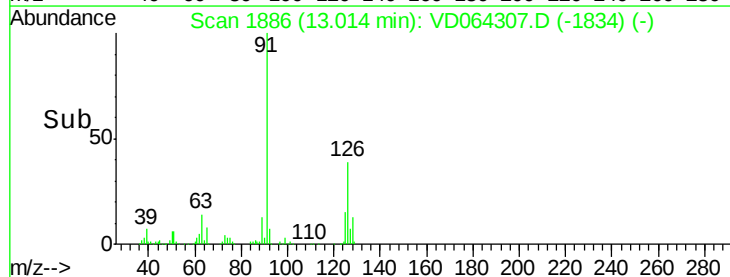
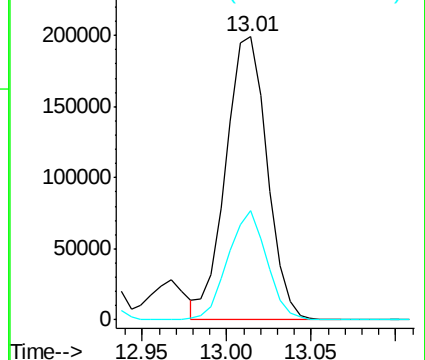
91 100

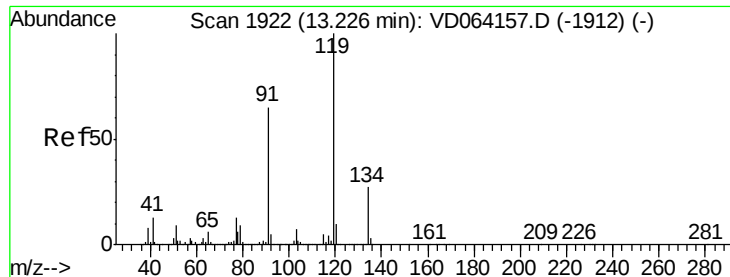
126 36.2 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

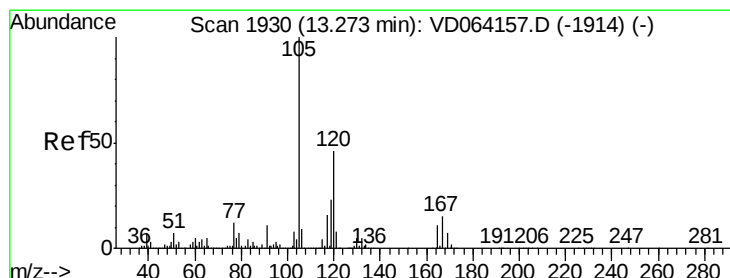
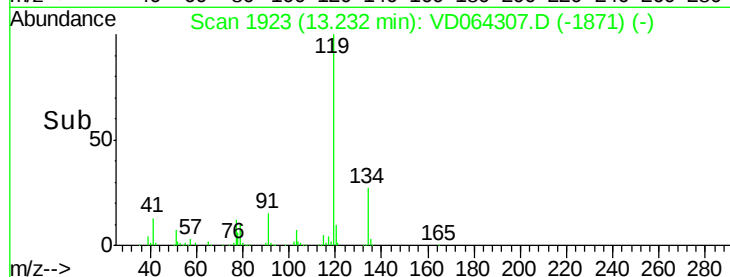
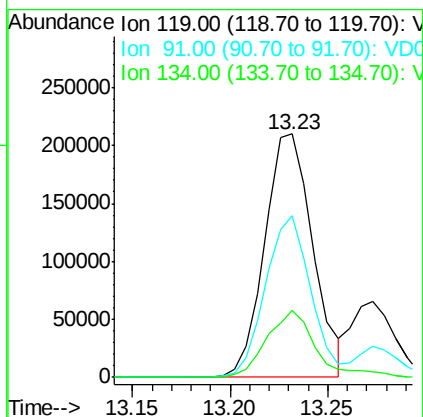
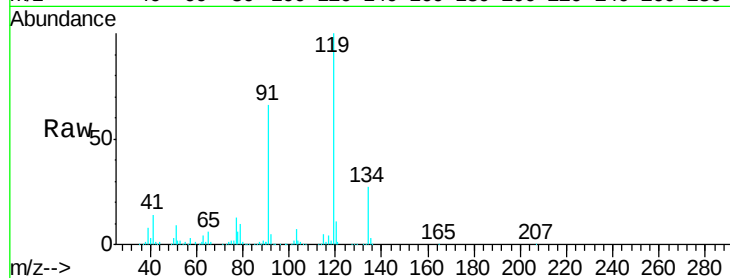




#83
 tert-Butylbenzene
 Concen: 19.027 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

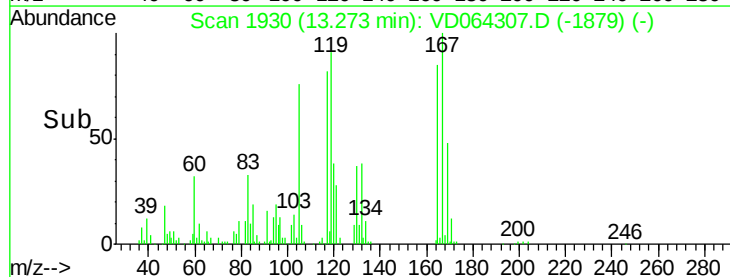
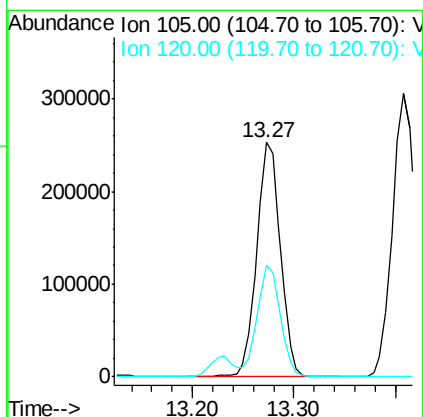
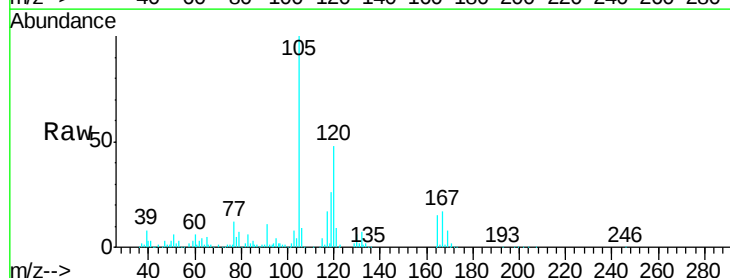
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

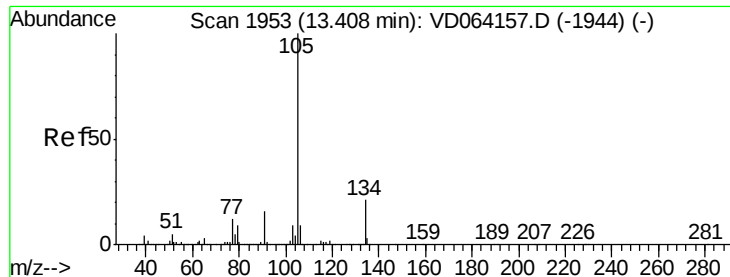
Tgt Ion:119 Resp: 359808
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.8 95.4
 134 27.9 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.351 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion:105 Resp: 409722
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.3 69.8

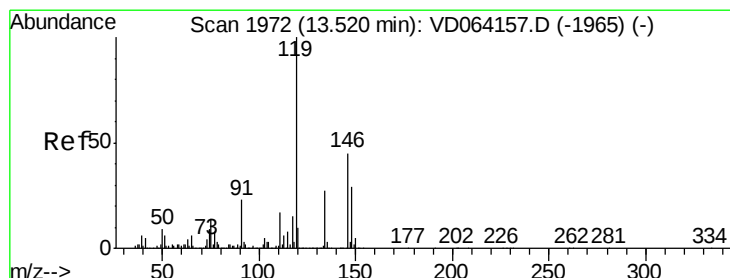
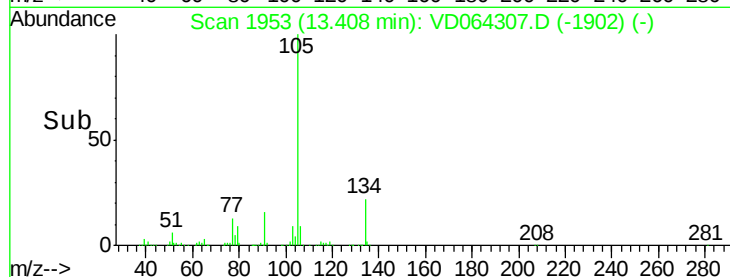
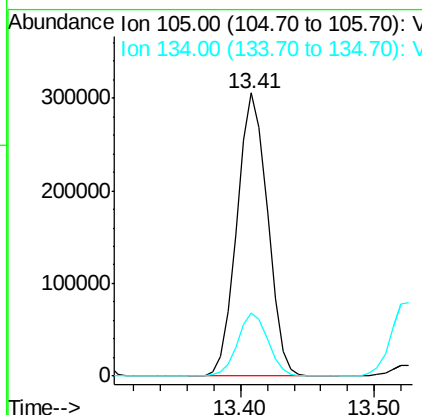
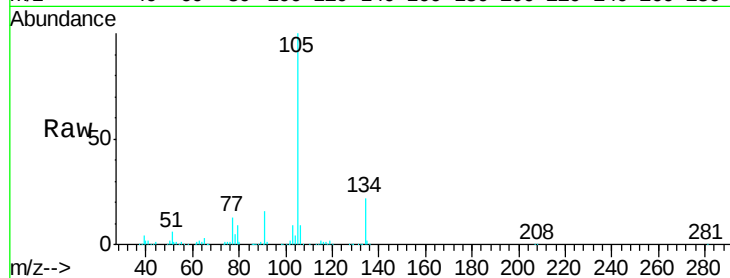




#85
 sec-Butylbenzene
 Concen: 19.090 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

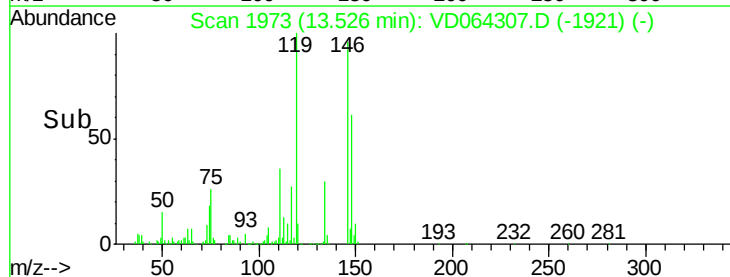
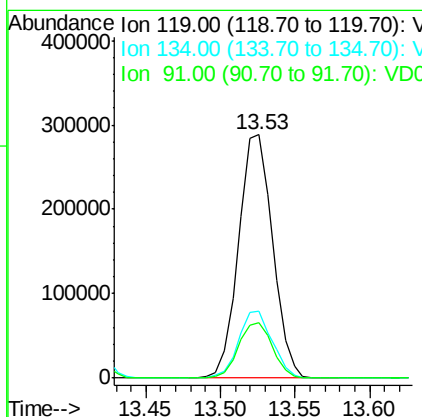
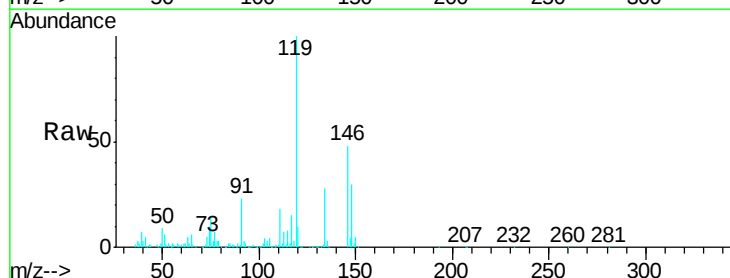
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

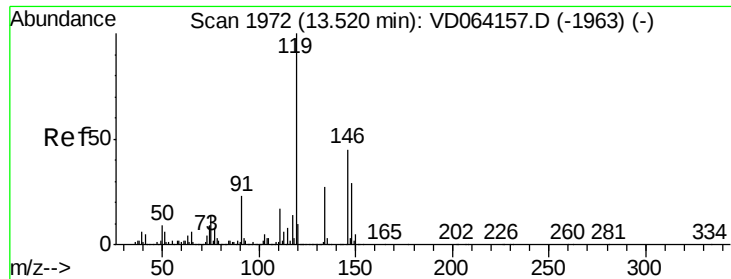
Tgt Ion:105 Resp: 484870
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 18.929 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion:119 Resp: 457061
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.5
 91 22.4 11.5 34.4

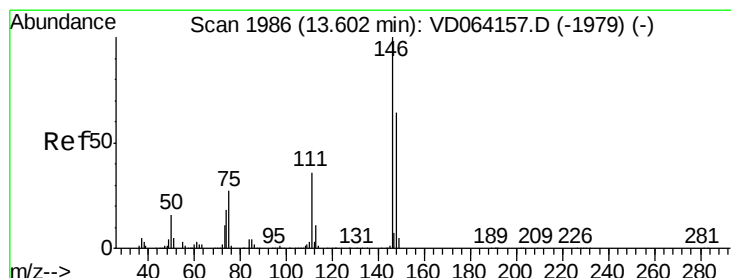
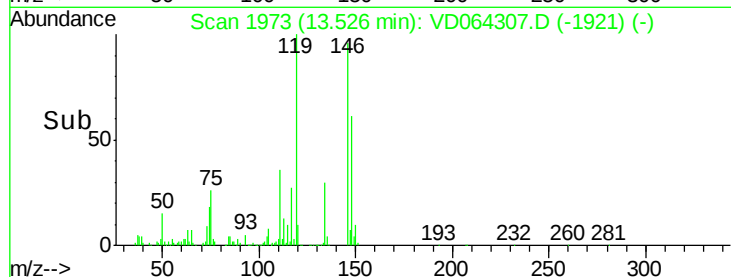
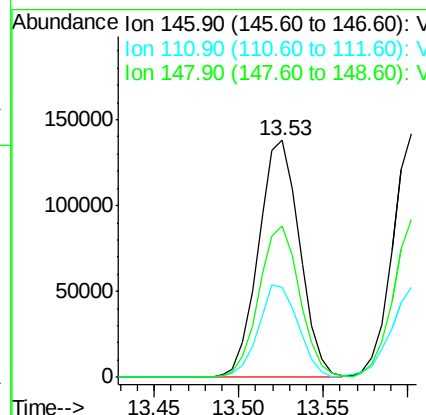
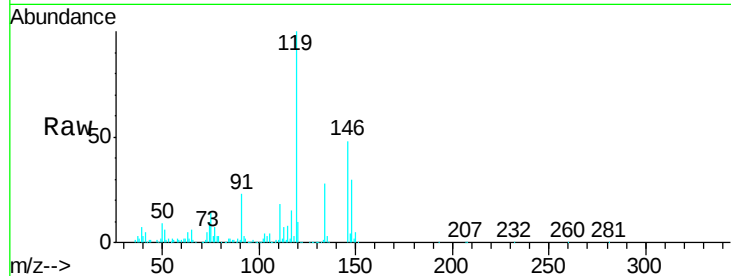




#87
 1,3-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

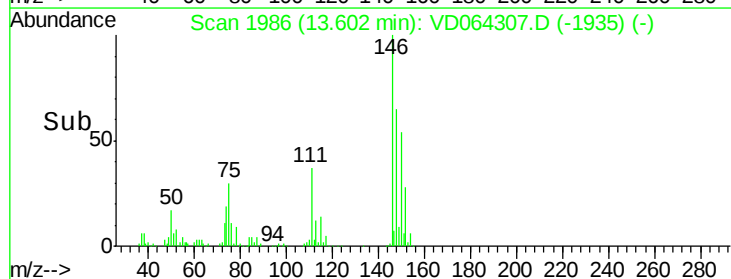
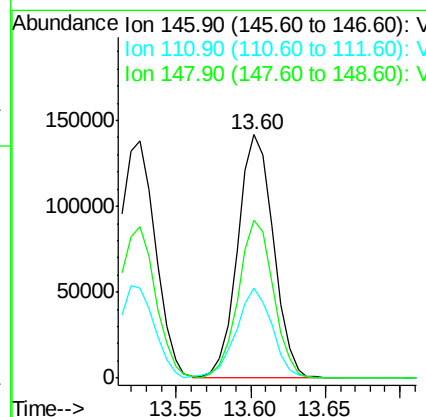
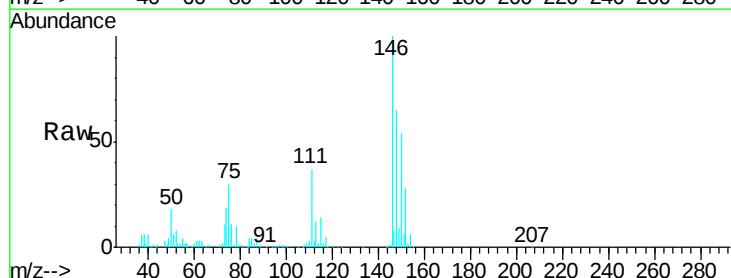
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tgt Ion:146 Resp: 233828
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.9
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.530 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion:146 Resp: 235841
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.1 54.4
 148 63.5 31.9 95.7

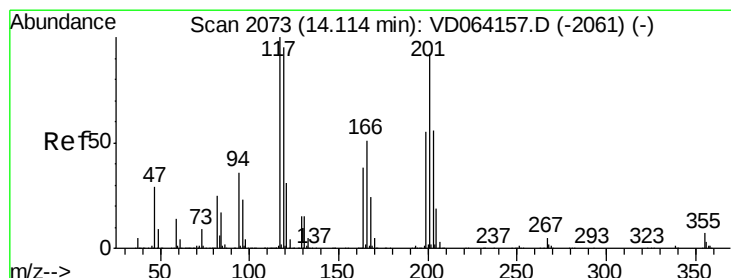
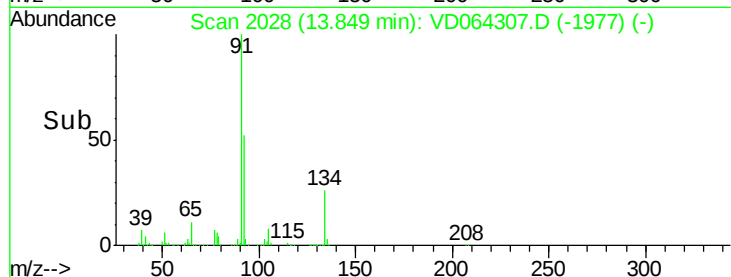
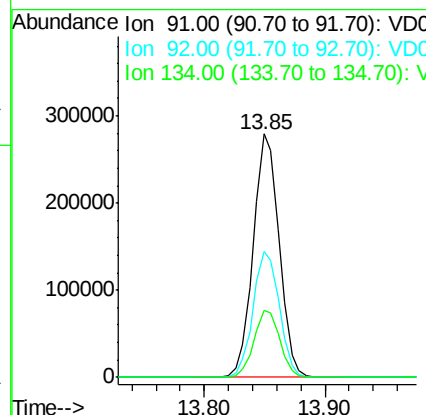
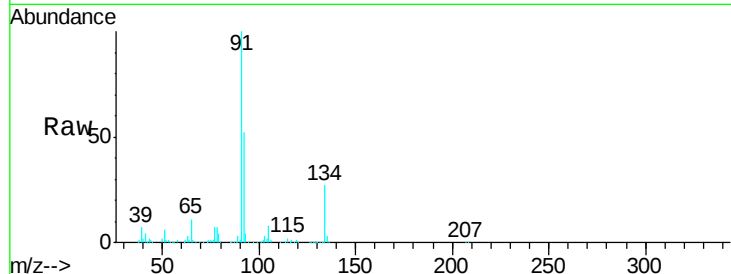




#89
n-Butylbenzene
Concen: 19.190 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

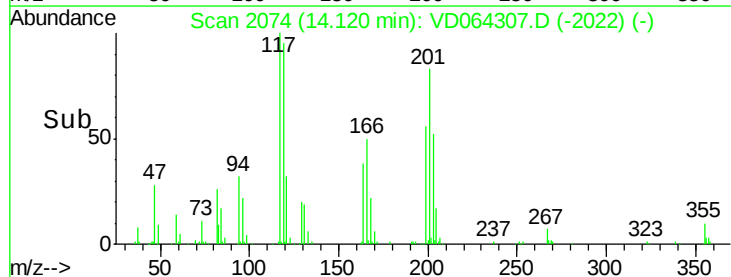
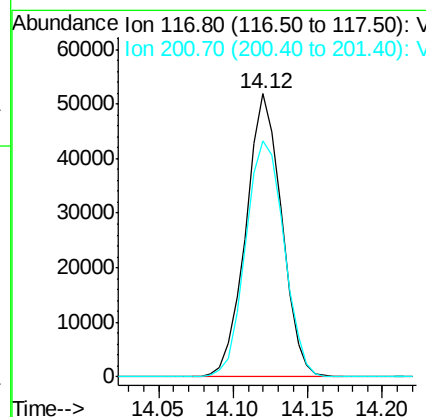
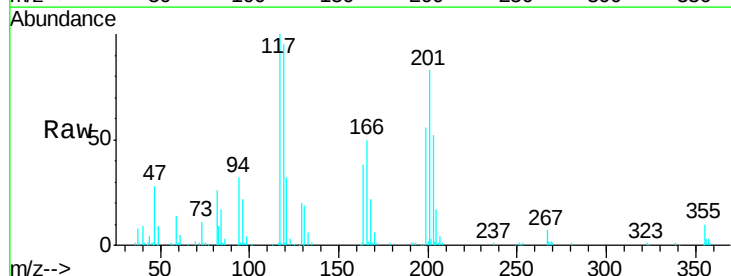
Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tgt Ion: 91 Resp: 418631
Ion Ratio Lower Upper
91 100
92 52.6 27.3 81.8
134 27.6 14.1 42.4



#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064307.D
Acq: 20 Nov 2019 12:13

Tgt Ion: 117 Resp: 85740
Ion Ratio Lower Upper
117 100
201 89.6 45.8 137.4

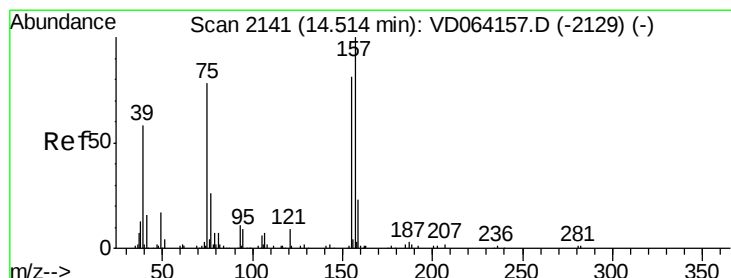
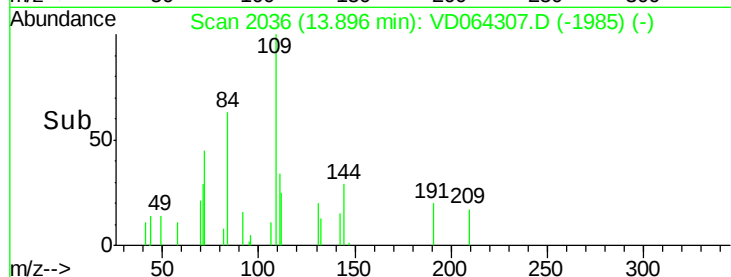
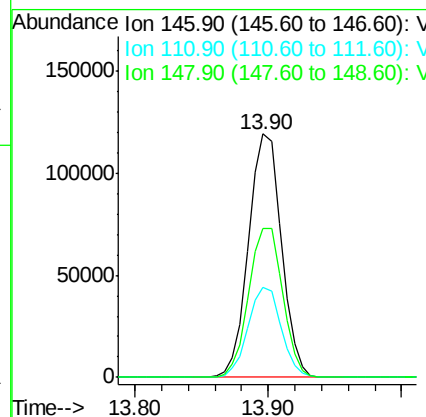
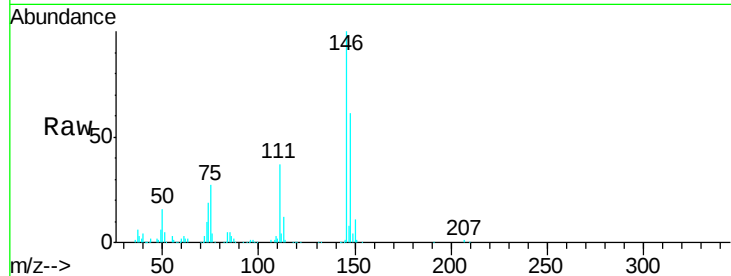




#91
 1,2-Dichlorobenzene
 Concen: 20.319 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

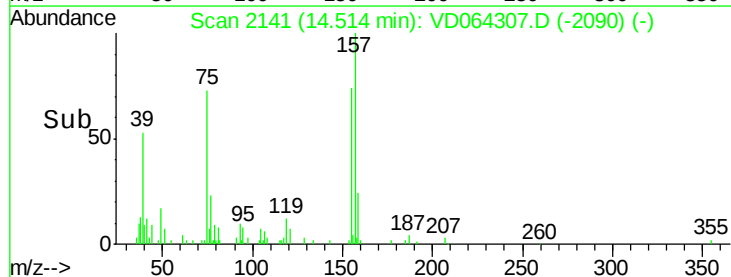
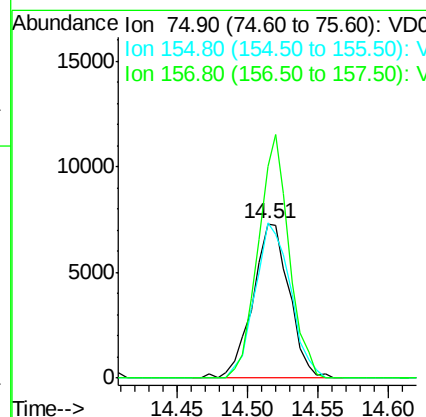
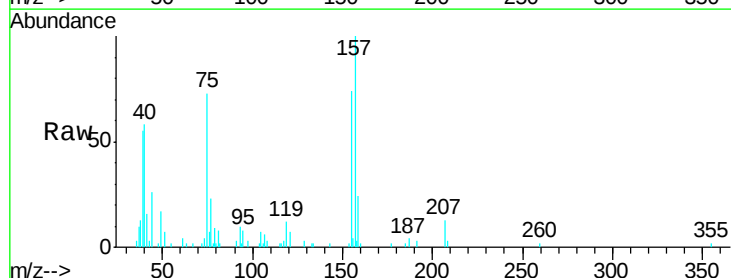
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.7	59.0
148	63.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.881 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	48.0	144.0
157	133.7	61.5	184.4

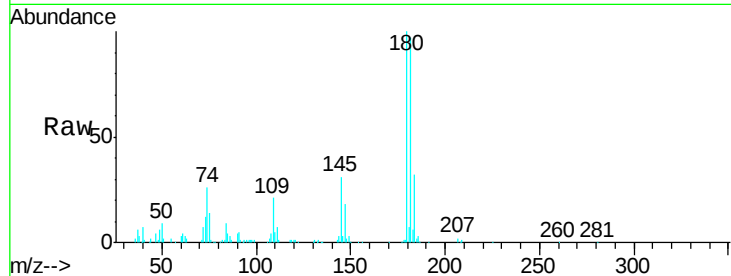




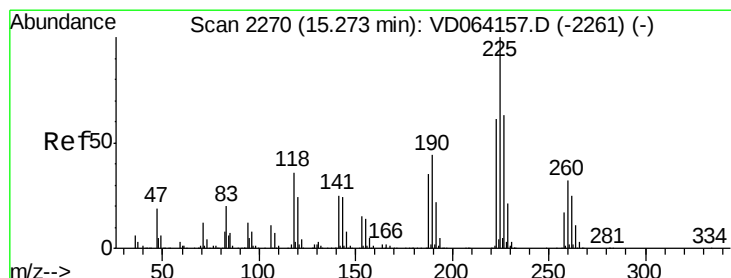
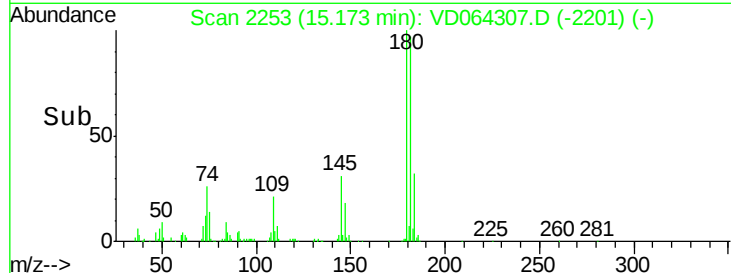
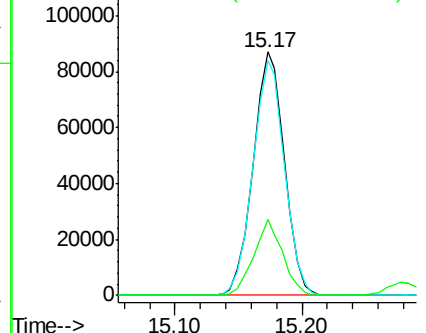
#93
 1,2,4-Trichlorobenzene
 Concen: 19.484 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.5	142.5
145	28.8	14.2	42.6

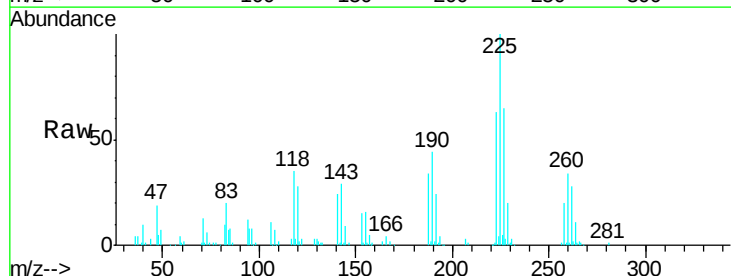


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

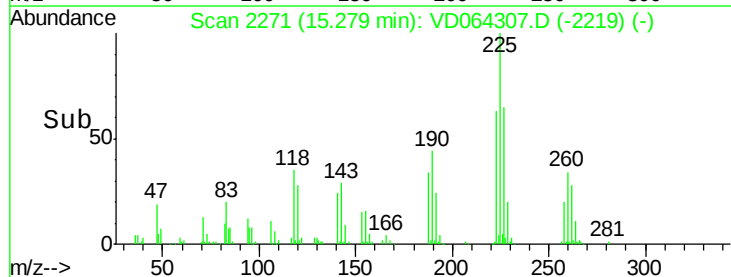
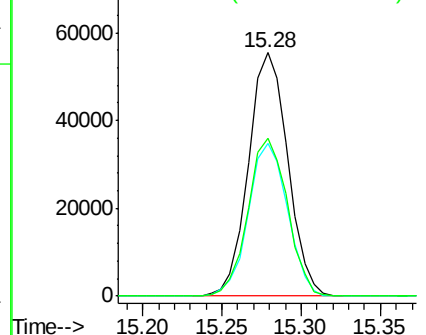


#94
 Hexachlorobutadiene
 Concen: 19.343 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064307.D
 Acq: 20 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.3
227	64.9	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.278 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

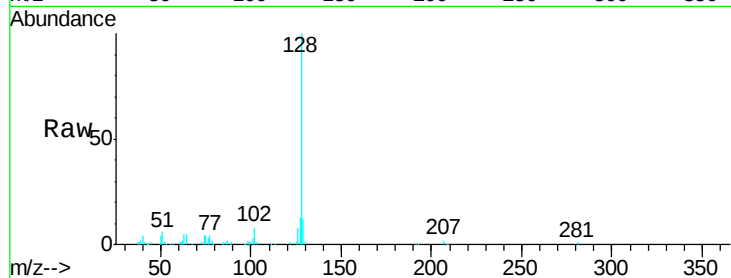
Tgt Ion:128 Resp: 255462

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

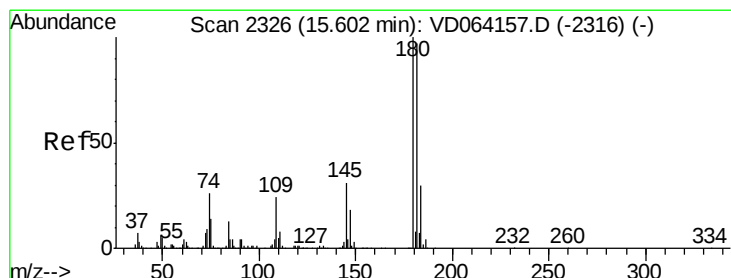
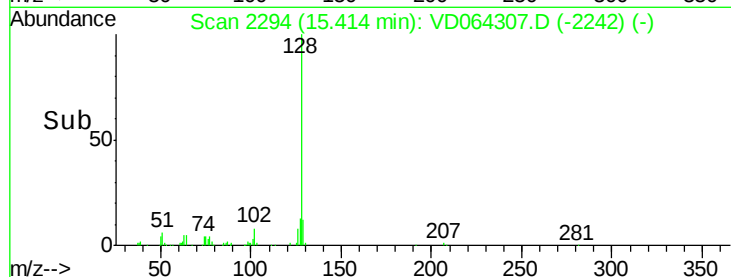
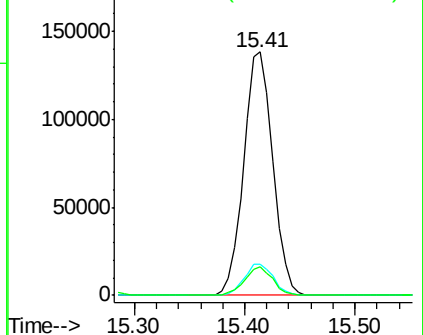
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.763 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064307.D

Acq: 20 Nov 2019 12:13

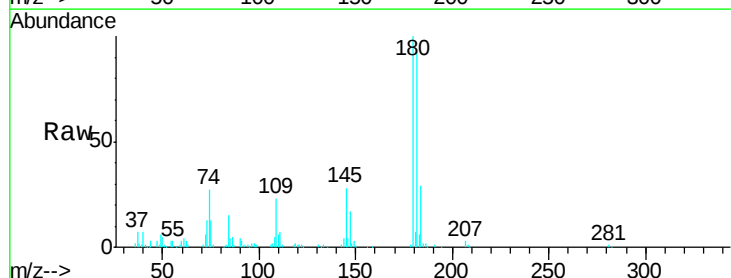
Tgt Ion:180 Resp: 129102

Ion Ratio Lower Upper

180 100

182 95.5 48.3 144.9

145 29.8 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

