

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064148.D
 Acq On : 01 Nov 2019 13:00
 Operator : VA/SY
 Sample : VD1101SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Quant Time: Nov 01 18:01:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	208415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162886	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	83869	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
35) Dibromofluoromethane	7.91	113	96618	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.34	98	387411	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.64	95	123995	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	42672	20.051 ug/l	94
3) Chloromethane	2.21	50	71173	20.044 ug/l	100
4) Vinyl Chloride	2.35	62	81606	21.193 ug/l	97
5) Bromomethane	2.76	94	49453	19.707 ug/l	97
6) Chloroethane	2.92	64	48691	20.359 ug/l	99
7) Trichlorofluoromethane	3.27	101	108034	20.381 ug/l	90
8) Diethyl Ether	3.70	74	18087	19.630 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.08	101	36662	19.192 ug/l	98
10) Methyl Iodide	4.29	142	44353	18.741 ug/l #	95
11) Tert butyl alcohol	5.26	59	8378	91.857 ug/l	94
12) 1,1-Dichloroethene	4.06	96	38242	21.153 ug/l #	87
13) Acrolein	3.92	56	8274	78.287 ug/l	88
14) Allyl chloride	4.71	41	41856	19.780 ug/l	99
15) Acrylonitrile	5.42	53	31854	93.594 ug/l	98
16) Acetone	4.17	43	27219	86.306 ug/l	99
17) Carbon Disulfide	4.40	76	118513	21.332 ug/l #	88
18) Methyl Acetate	4.71	43	16416	19.568 ug/l	93
19) Methyl tert-butyl Ether	5.47	73	66945	18.248 ug/l #	90
20) Methylene Chloride	4.96	84	51748	23.526 ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	42811	21.095 ug/l #	81
22) Diisopropyl ether	6.37	45	91146	19.449 ug/l	96
23) Vinyl Acetate	6.31	43	253175	98.558 ug/l	95
24) 1,1-Dichloroethane	6.26	63	64617	20.419 ug/l	99
25) 2-Butanone	7.22	43	39328	90.202 ug/l	99
26) 2,2-Dichloropropane	7.21	77	57467	19.133 ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	44770	19.715 ug/l	99
28) Bromochloromethane	7.54	49	18345	16.453 ug/l	93
29) Tetrahydrofuran	7.57	42	22660	89.052 ug/l	93
30) Chloroform	7.71	83	74273	20.511 ug/l	94
31) Cyclohexane	7.98	56	58089	18.841 ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	67628	20.063 ug/l	99
36) 1,1-Dichloropropene	8.11	75	57536	19.284 ug/l	98
37) Ethyl Acetate	7.30	43	17129	18.652 ug/l #	94
38) Carbon Tetrachloride	8.10	117	61345	18.845 ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064148.D
 Acq On : 01 Nov 2019 13:00
 Operator : VA/SY
 Sample : VD1101SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Quant Time: Nov 01 18:01:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	68400	18.676	ug/l	91
40) Benzene	8.35	78	155815	19.151	ug/l	100
41) Methacrylonitrile	7.54	41	10170	19.190	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	41751	19.427	ug/l	99
43) Isopropyl Acetate	8.46	43	33116	17.843	ug/l	97
44) Trichloroethene	9.11	130	49402	20.034	ug/l	100
45) 1,2-Dichloropropane	9.39	63	36039	19.113	ug/l #	86
46) Dibromomethane	9.48	93	21643	19.059	ug/l	97
47) Bromodichloromethane	9.66	83	53428	18.650	ug/l #	93
48) Methyl methacrylate	9.46	41	15515	18.078	ug/l	93
49) 1,4-Dioxane	9.47	88	5141	395.500	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	85296	84.421	ug/l	98
52) Toluene	10.40	92	108275	18.990	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	50379	18.839	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	56729	18.031	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	29393	18.256	ug/l	95
56) Ethyl methacrylate	10.66	69	30142	17.492	ug/l	96
57) 1,3-Dichloropropane	10.95	76	49912	18.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	63581	90.139	ug/l	97
59) 2-Hexanone	10.99	43	59316	81.206	ug/l	99
60) Dibromochloromethane	11.14	129	42631	19.508	ug/l	98
61) 1,2-Dibromoethane	11.25	107	28816	17.895	ug/l	94
64) Tetrachloroethene	10.88	164	45034	20.743	ug/l	90
65) Chlorobenzene	11.67	112	125775	20.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	45486	19.468	ug/l	98
67) Ethyl Benzene	11.75	91	215165	19.374	ug/l	94
68) m/p-Xylenes	11.86	106	173899	38.928	ug/l	98
69) o-Xylene	12.18	106	79264	19.442	ug/l	98
70) Styrene	12.20	104	132990	18.914	ug/l	96
71) Bromoform	12.36	173	23423	18.771	ug/l #	98
73) Isopropylbenzene	12.48	105	211905	18.721	ug/l	99
74) N-amyl acetate	12.30	43	32660	17.368	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	33311	18.671	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	39875	36.432	ug/l #	100
77) Bromobenzene	12.76	156	53212	19.471	ug/l	99
78) n-propylbenzene	12.83	91	255575	19.267	ug/l	97
79) 2-Chlorotoluene	12.91	91	136284	19.167	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	181564	19.166	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	10076	18.801	ug/l	98
82) 4-Chlorotoluene	13.01	91	146339	19.261	ug/l	97
83) tert-Butylbenzene	13.23	119	160273	18.837	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	182824	19.212	ug/l	98
85) sec-Butylbenzene	13.41	105	224012	19.172	ug/l	100
86) p-Isopropyltoluene	13.52	119	212116	19.321	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	107445	19.619	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	107265	19.868	ug/l	99
89) n-Butylbenzene	13.85	91	188283	18.594	ug/l	97
90) Hexachloroethane	14.12	117	39827	19.376	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	91282	19.367	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	4808	18.452	ug/l	89

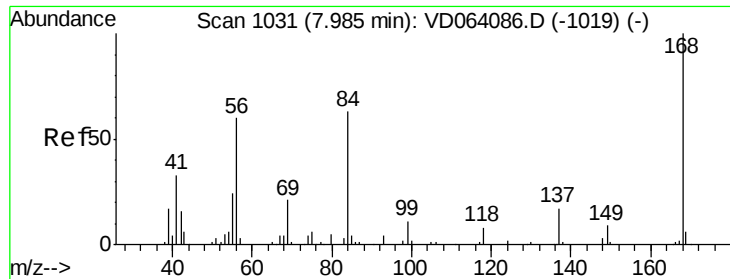
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
Data File : VD064148.D
Acq On : 01 Nov 2019 13:00
Operator : VA/SY
Sample : VD1101SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Quant Time: Nov 01 18:01:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	67223	19.842	ug/l	100
94) Hexachlorobutadiene	15.28	225	37851	19.116	ug/l	97
95) Naphthalene	15.41	128	100153	18.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	57529	19.604	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

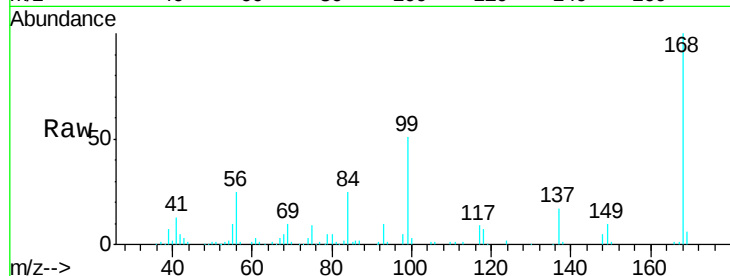
VD1101SBS01

Tgt Ion: 168 Resp: 208415

Ion Ratio Lower Upper

168 100

99 50.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

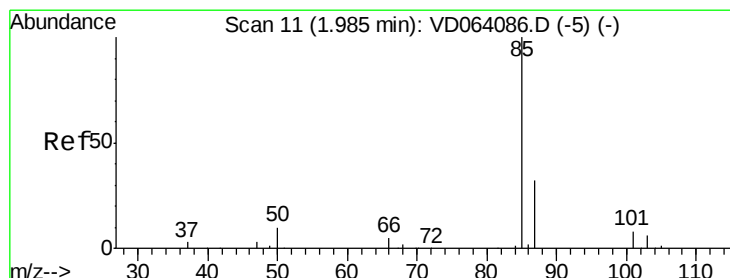
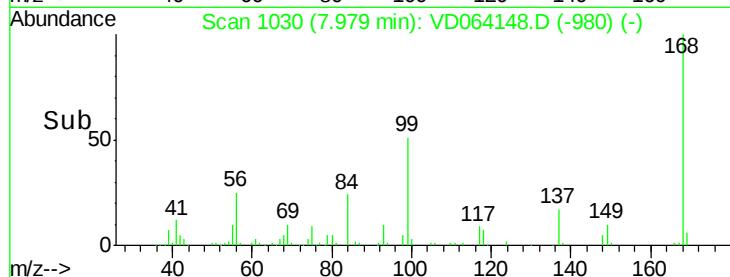
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.051 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064148.D

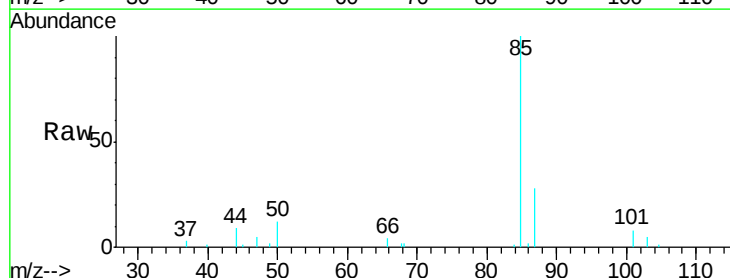
Acq: 01 Nov 2019 13:00

Tgt Ion: 85 Resp: 42672

Ion Ratio Lower Upper

85 100

87 28.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

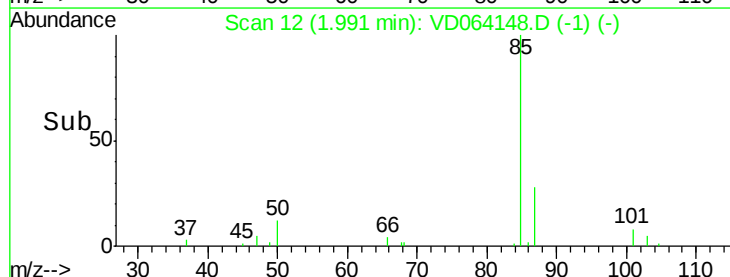
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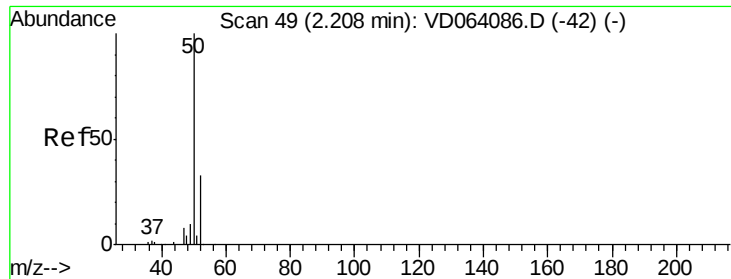
10000

0

Time-->

1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 20.044 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

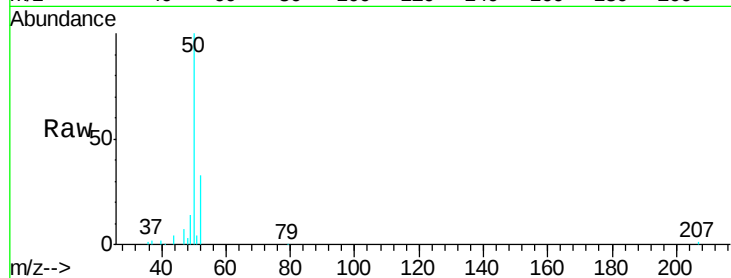
VD1101SBS01

Tgt Ion: 50 Resp: 71173

Ion Ratio Lower Upper

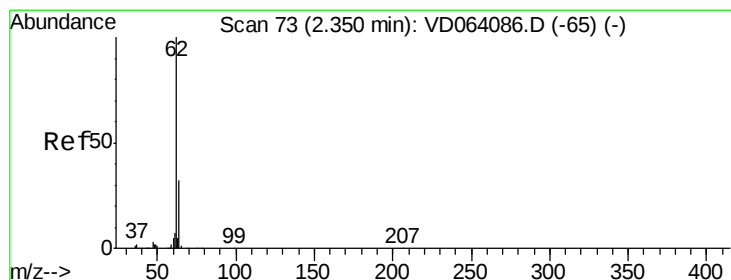
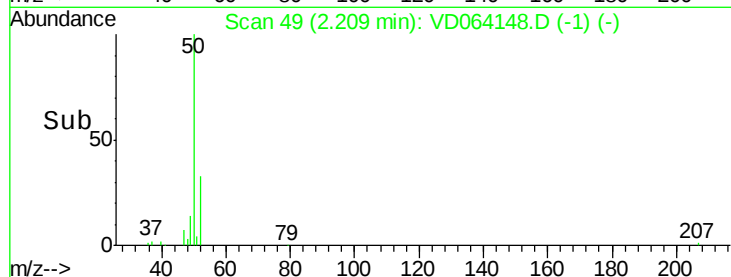
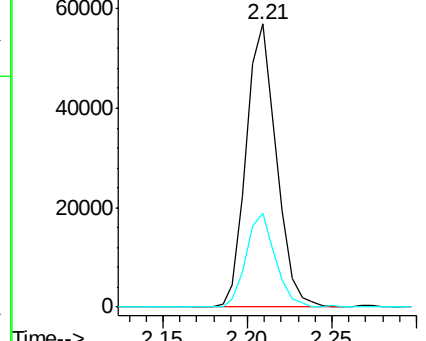
50 100

52 33.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.193 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064148.D

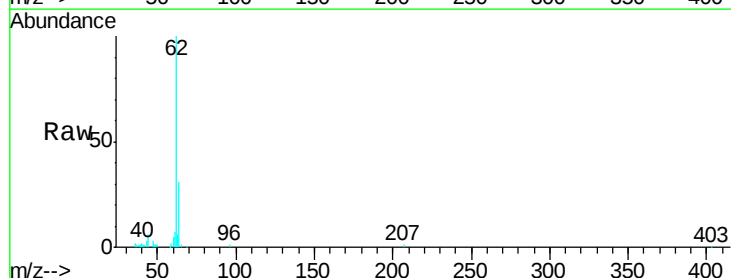
Acq: 01 Nov 2019 13:00

Tgt Ion: 62 Resp: 81606

Ion Ratio Lower Upper

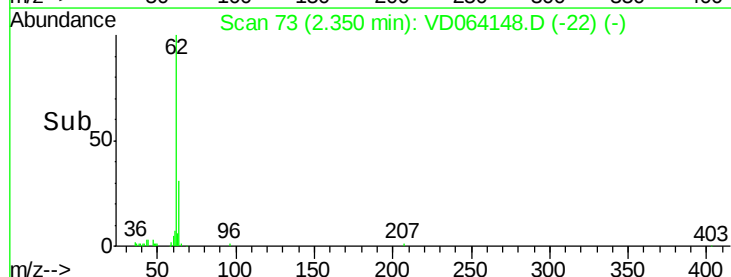
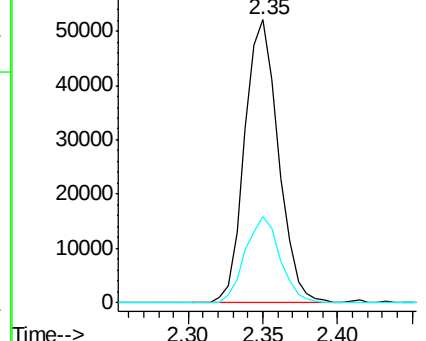
62 100

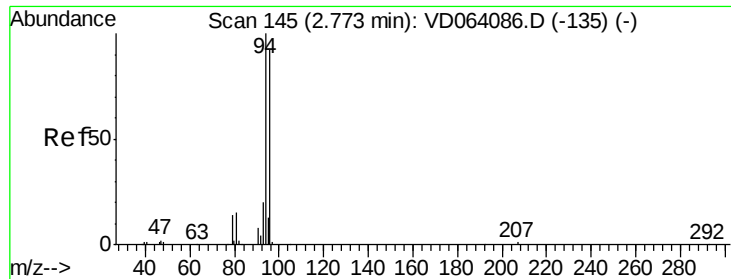
64 30.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.707 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

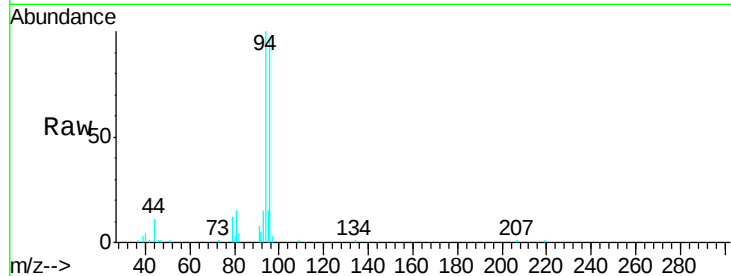
VD1101SBS01

Tgt Ion: 94 Resp: 49453

Ion Ratio Lower Upper

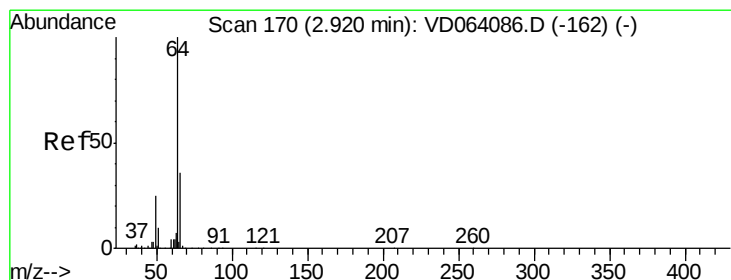
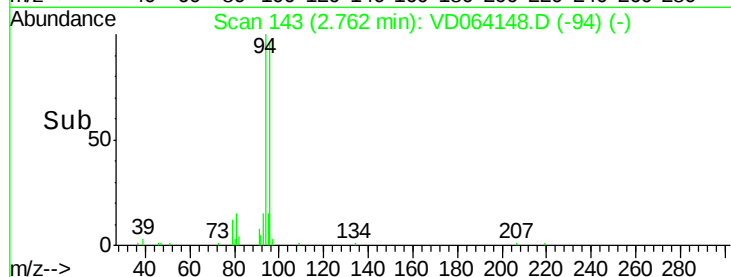
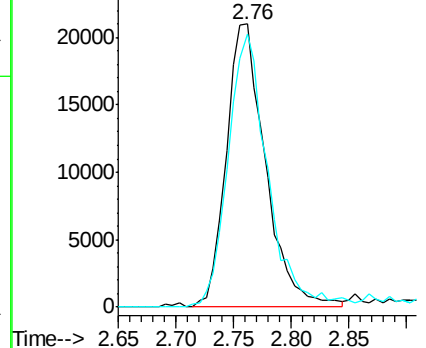
94 100

96 95.4 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.359 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064148.D

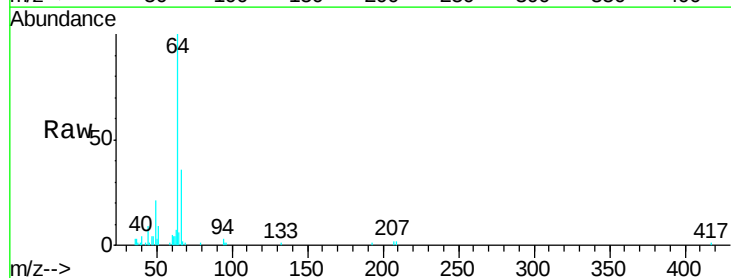
Acq: 01 Nov 2019 13:00

Tgt Ion: 64 Resp: 48691

Ion Ratio Lower Upper

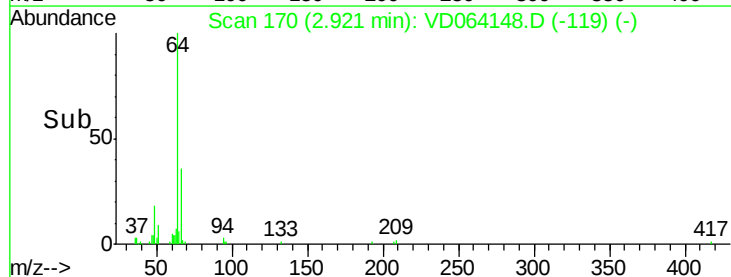
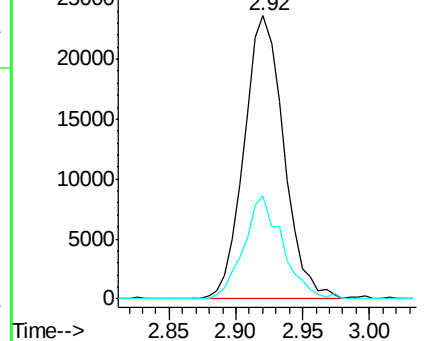
64 100

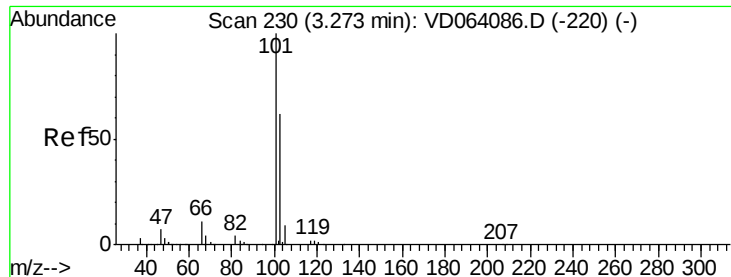
66 36.4 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



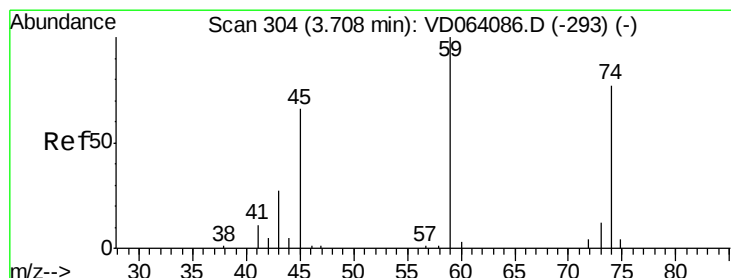
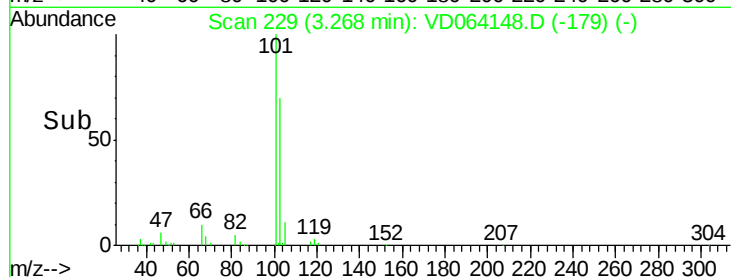
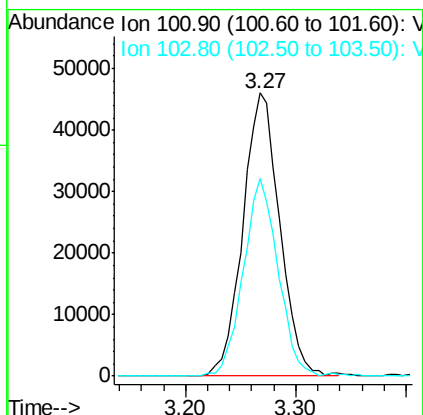
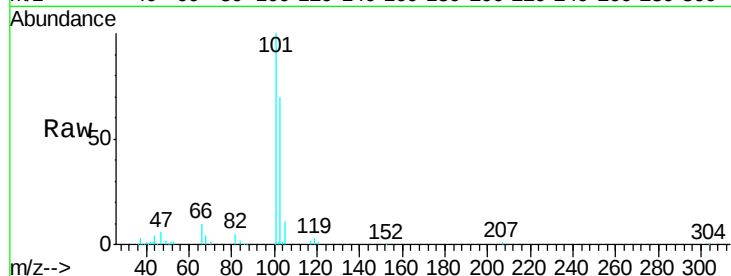


#7

Trichlorofluoromethane
 Concen: 20.381 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

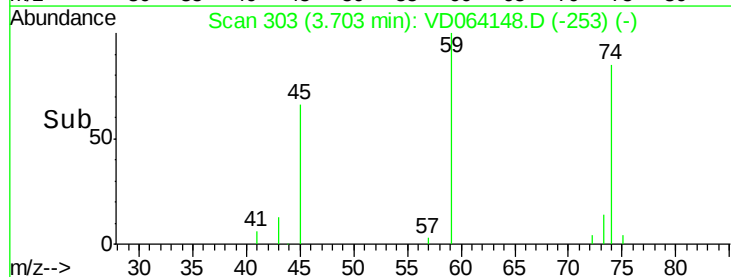
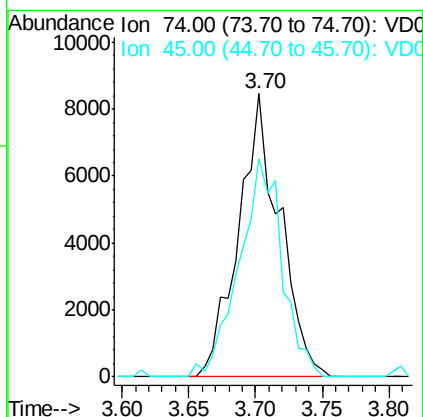
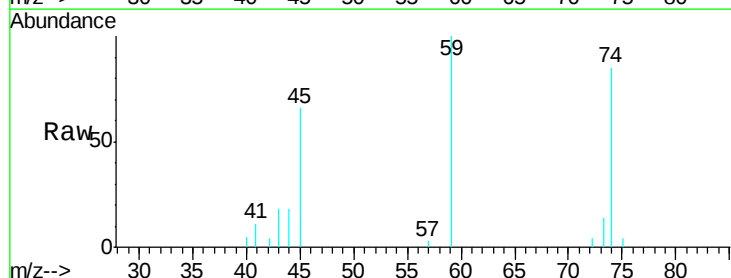
Tgt Ion: 101 Resp: 108034
 Ion Ratio Lower Upper
 101 100
 103 69.7 49.6 74.4

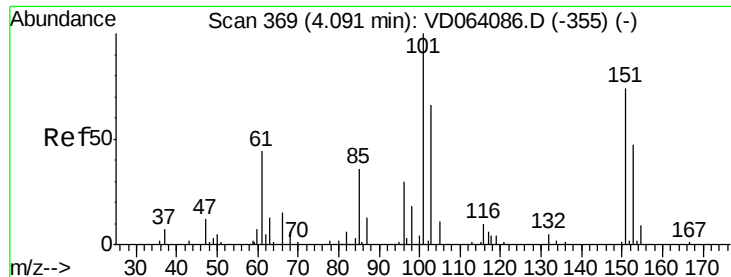


#8

Diethyl Ether
 Concen: 19.630 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 74 Resp: 18087
 Ion Ratio Lower Upper
 74 100
 45 80.1 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.192 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

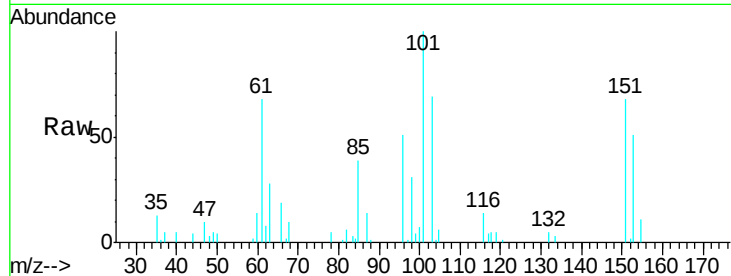
Tgt Ion:101 Resp: 36662

Ion Ratio Lower Upper

101 100

85 45.3 35.3 52.9

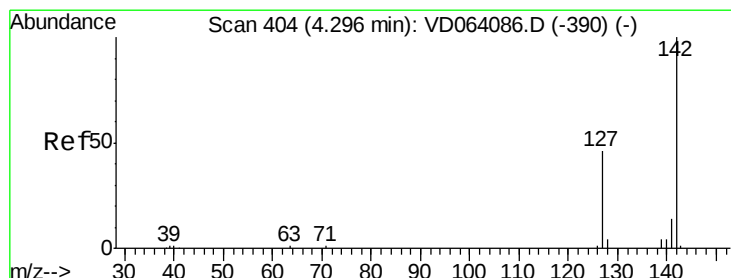
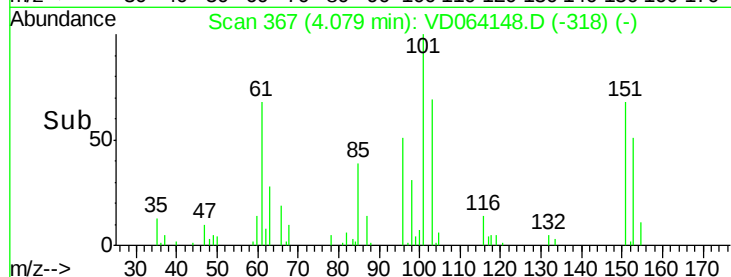
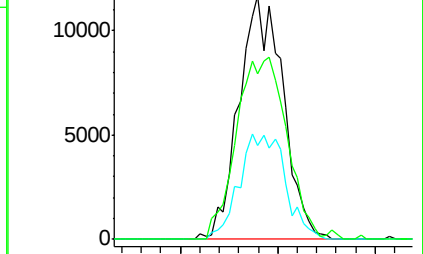
151 85.5 67.0 100.6



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: 18.741 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

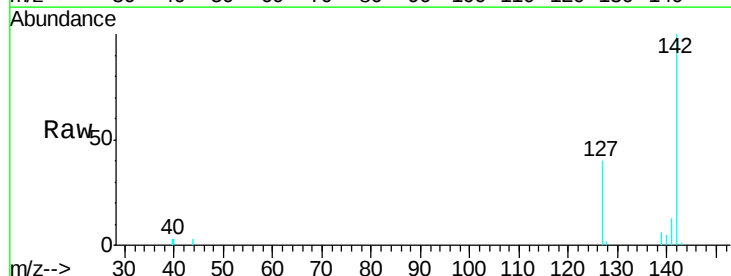
Tgt Ion:142 Resp: 44353

Ion Ratio Lower Upper

142 100

127 43.1 35.1 52.7

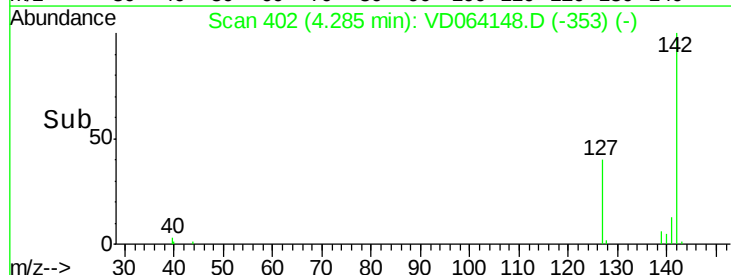
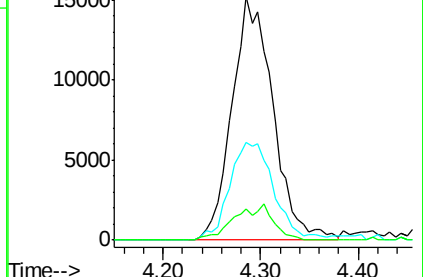
141 7.6 11.6 17.4#

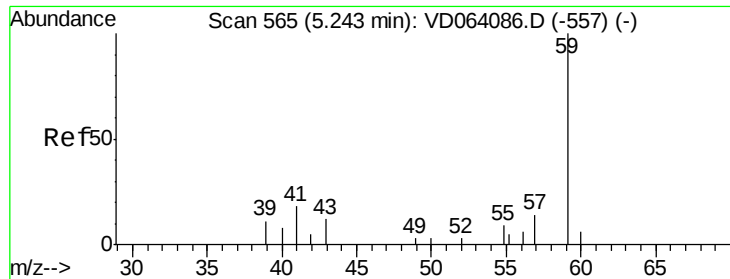


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



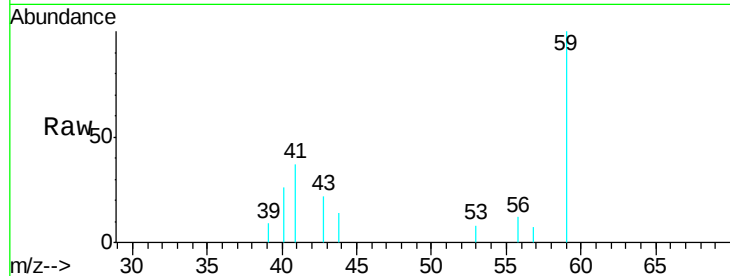


#11

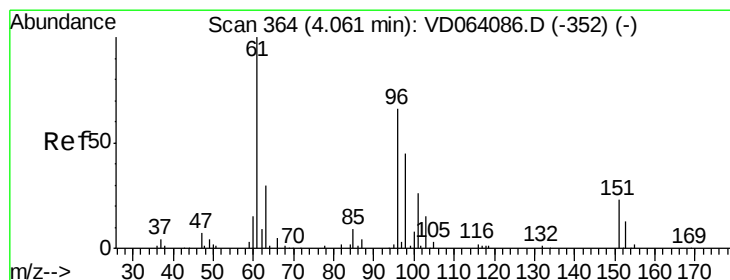
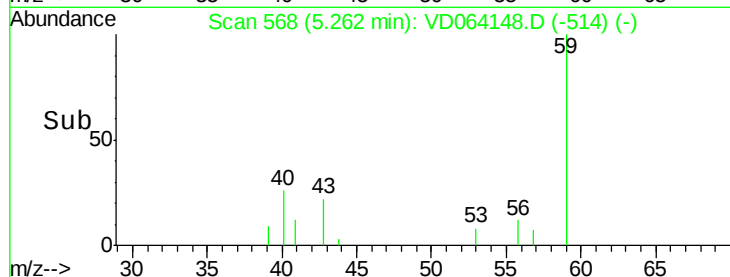
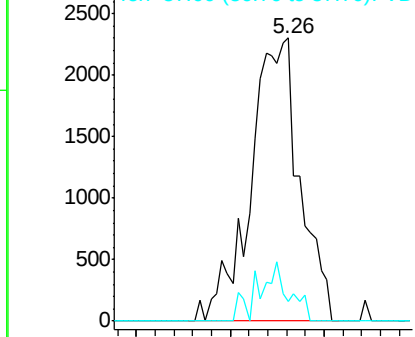
Tert butyl alcohol
Concen: 91.857 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion: 59 Resp: 8378
Ion Ratio Lower Upper
59 100
57 8.8 8.7 13.1



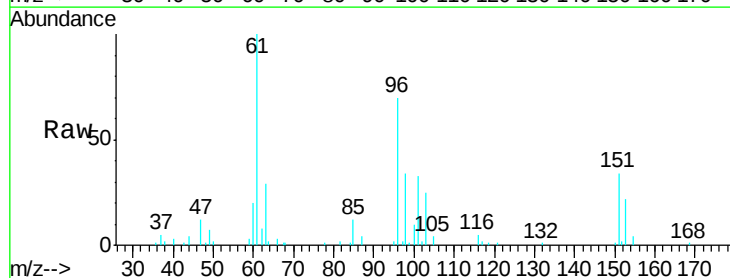
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



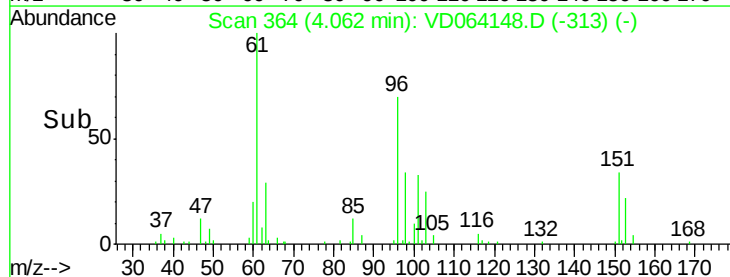
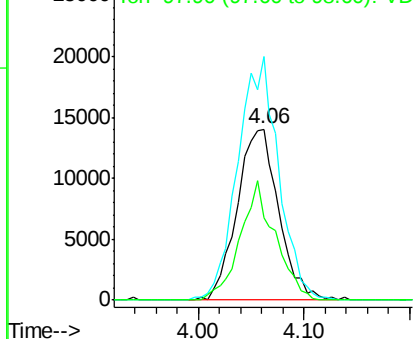
#12

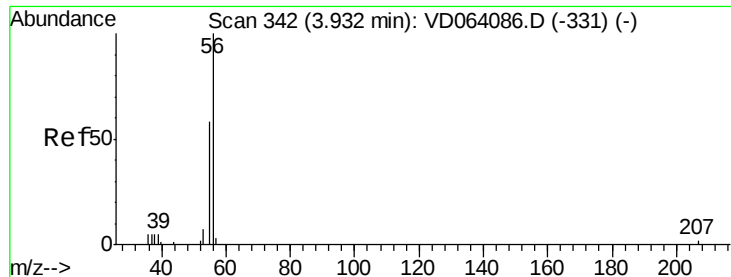
1,1-Dichloroethene
Concen: 21.153 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 96 Resp: 38242
Ion Ratio Lower Upper
96 100
61 142.6 121.8 182.6
98 48.5 55.4 83.0#



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





#13

Acrolein

Concen: 78.287 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

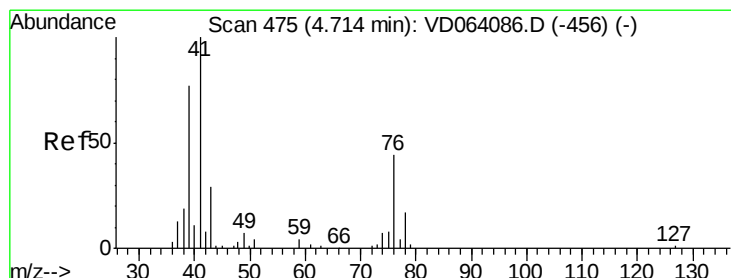
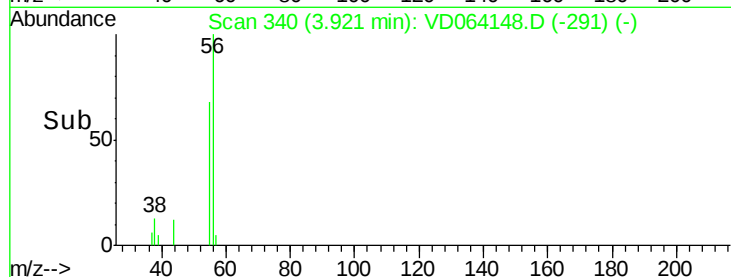
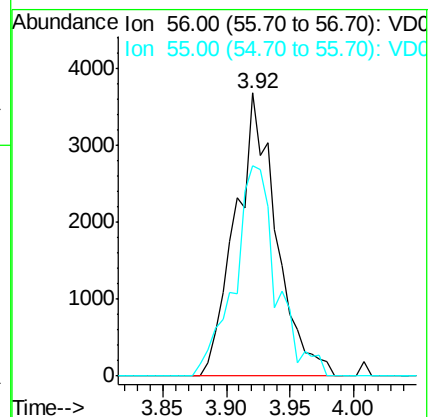
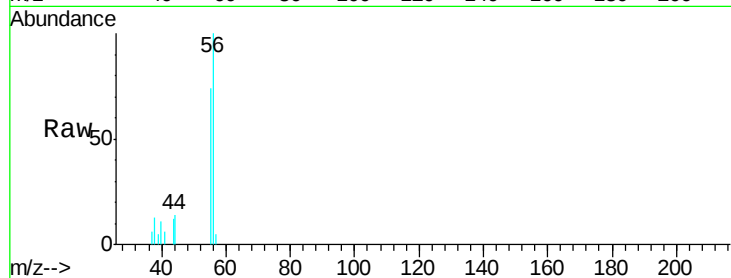
VD1101SBS01

Tgt Ion: 56 Resp: 8274

Ion Ratio Lower Upper

56 100

55 76.5 53.8 80.6



#14

Allyl chloride

Concen: 19.780 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

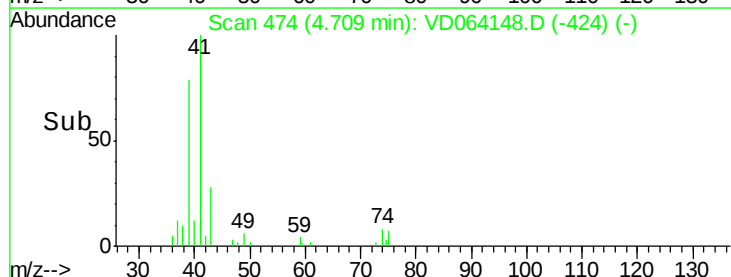
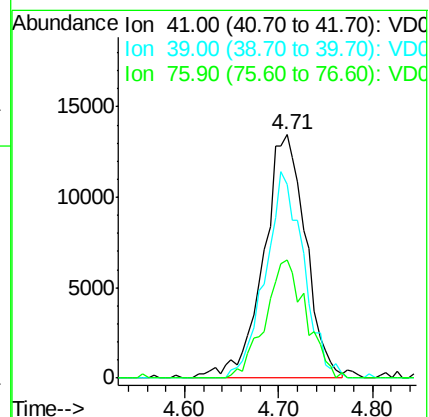
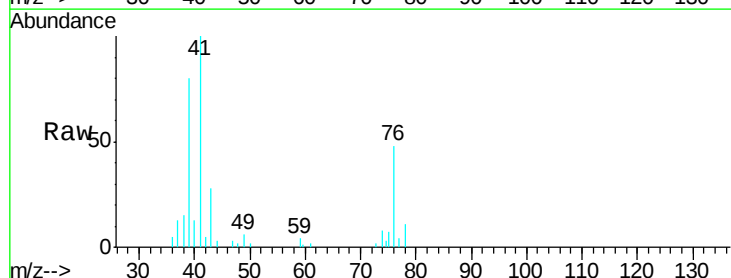
Tgt Ion: 41 Resp: 41856

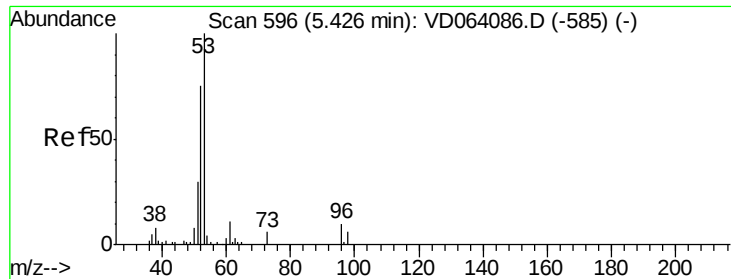
Ion Ratio Lower Upper

41 100

39 76.6 61.5 92.3

76 46.8 36.2 54.4





#15

Acrylonitrile

Concen: 93.594 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

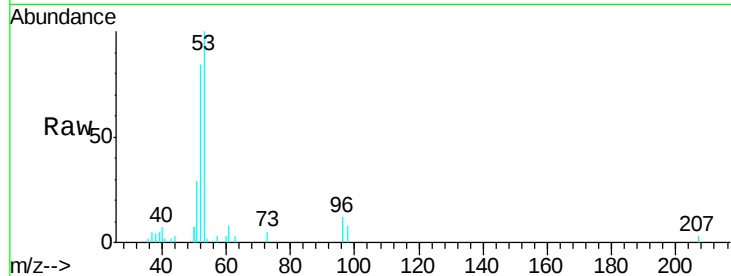
Tgt Ion: 53 Resp: 31854

Ion Ratio Lower Upper

53 100

52 84.2 66.2 99.4

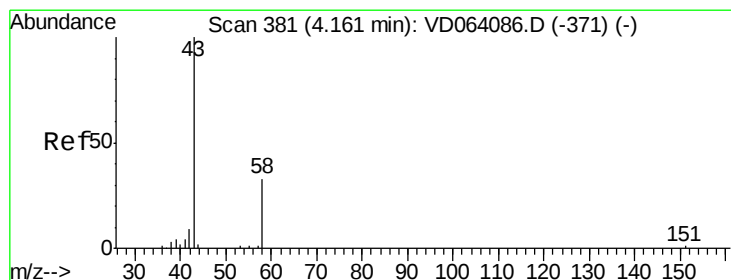
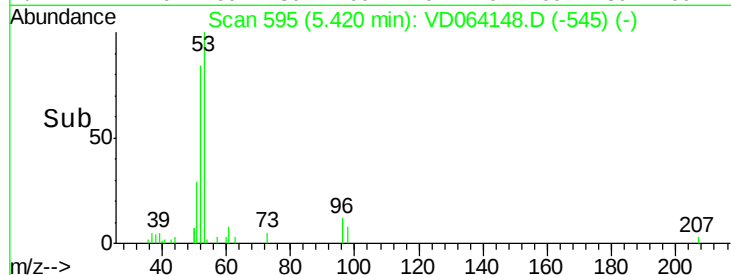
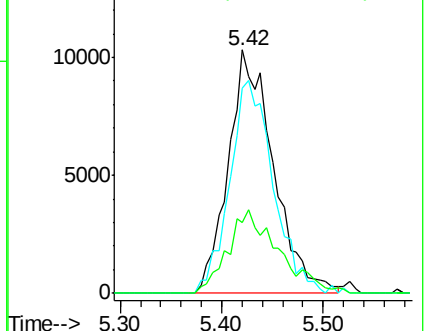
51 38.5 29.0 43.6



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: 86.306 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064148.D

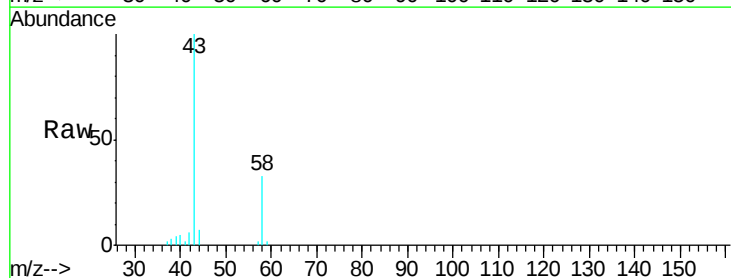
Acq: 01 Nov 2019 13:00

Tgt Ion: 43 Resp: 27219

Ion Ratio Lower Upper

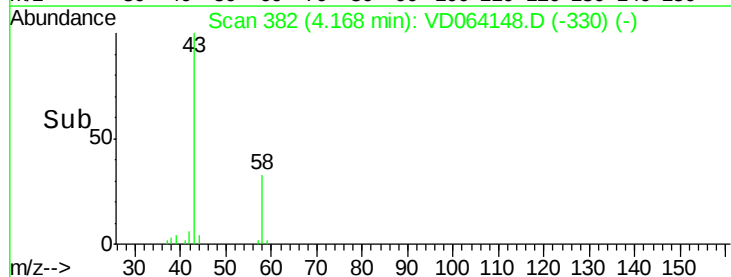
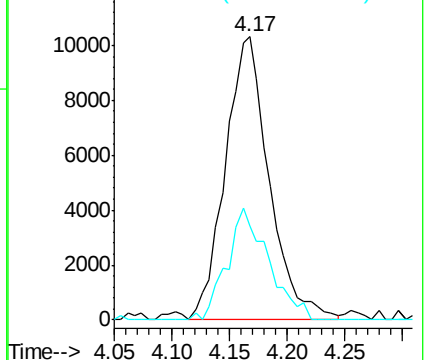
43 100

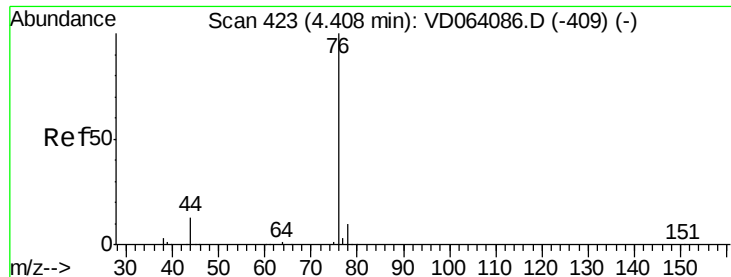
58 33.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

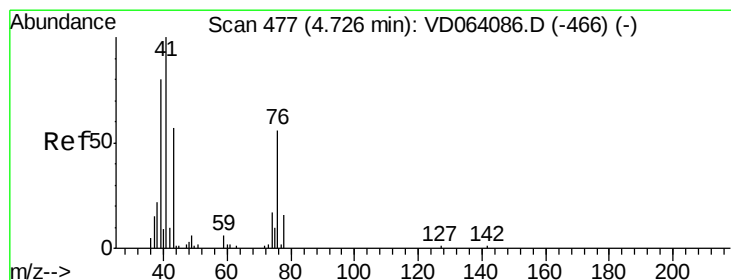
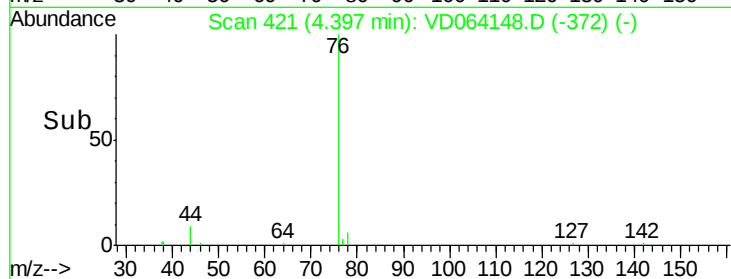
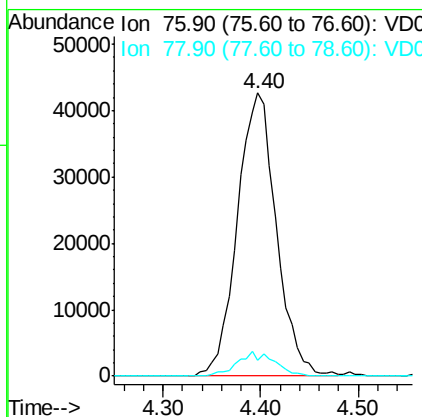
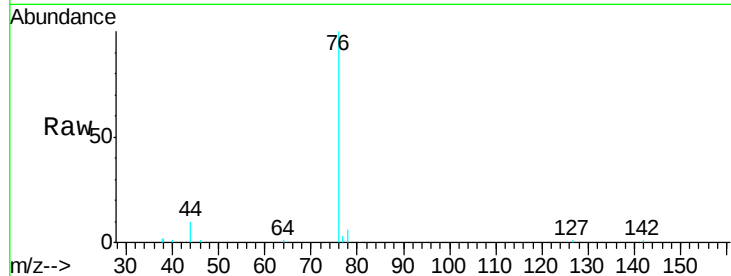




#17
Carbon Disulfide
Concen: 21.332 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

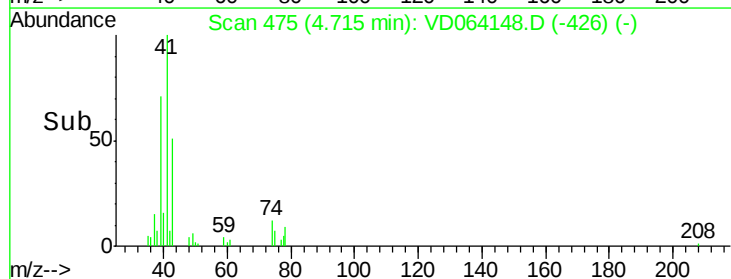
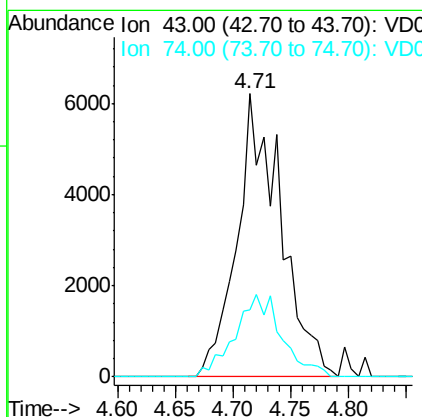
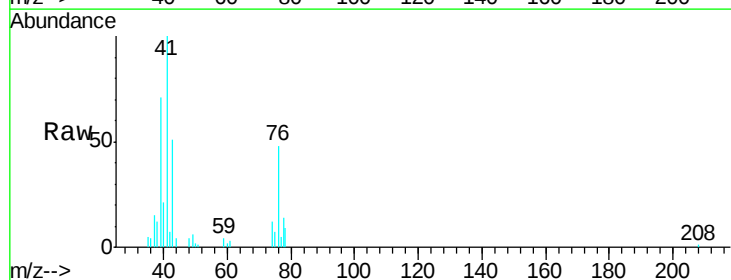
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

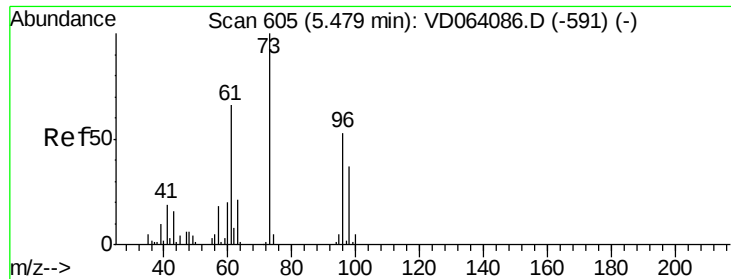
Tgt Ion: 76 Resp: 118513
Ion Ratio Lower Upper
76 100
78 5.7 8.1 12.1#



#18
Methyl Acetate
Concen: 19.568 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 43 Resp: 16416
Ion Ratio Lower Upper
43 100
74 31.2 22.2 33.4





#19

Methyl tert-butyl Ether

Concen: 18.248 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

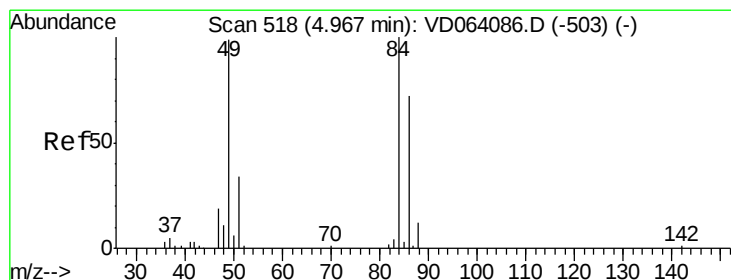
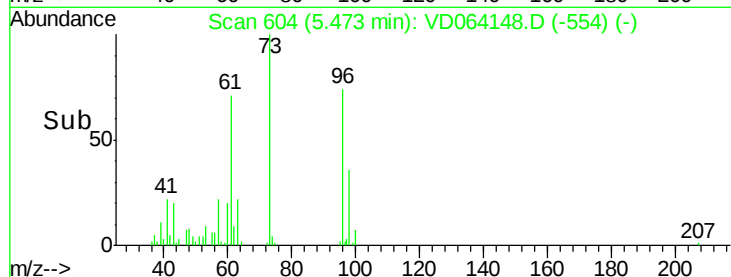
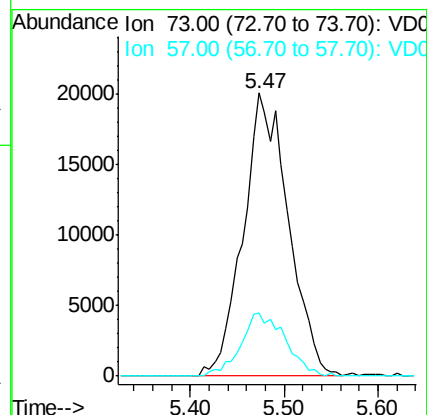
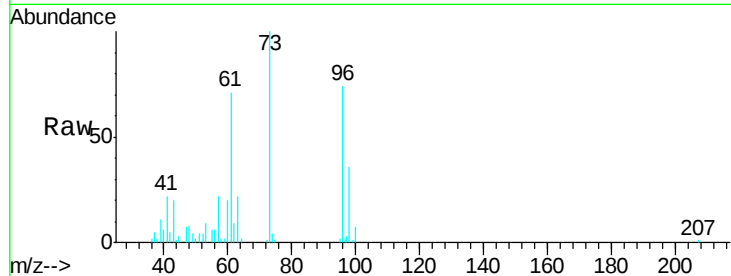
VD1101SBS01

Tgt Ion: 73 Resp: 66945

Ion Ratio Lower Upper

73 100

57 22.4 14.3 21.5#



#20

Methylene Chloride

Concen: 23.526 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Tgt Ion: 84 Resp: 51748

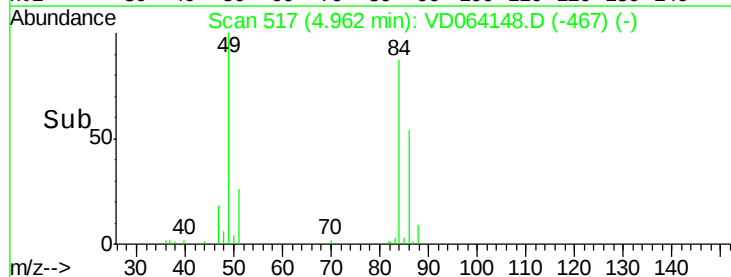
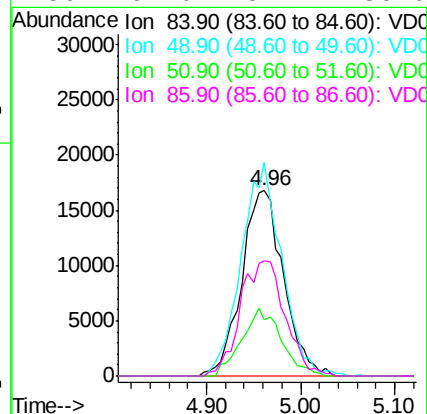
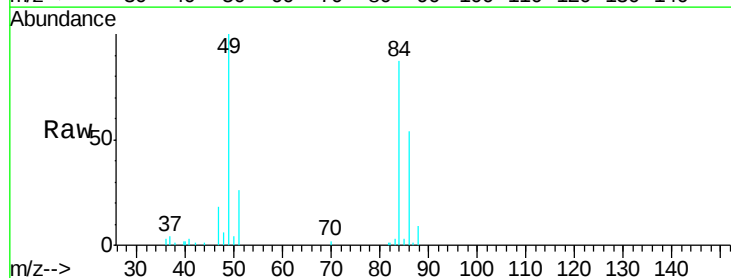
Ion Ratio Lower Upper

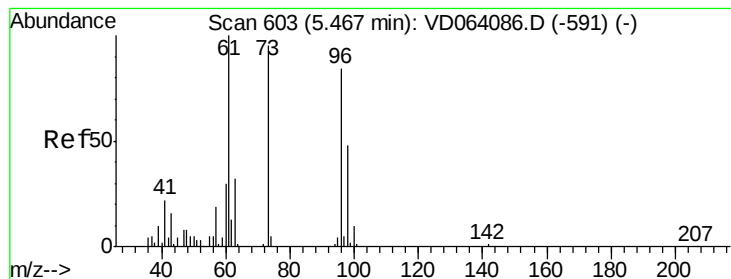
84 100

49 115.4 79.4 119.0

51 30.6 27.4 41.2

86 62.0 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 21.095 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

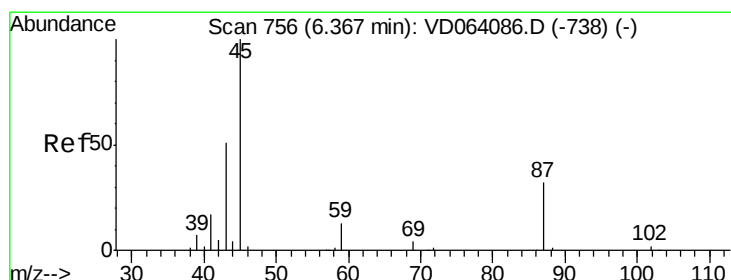
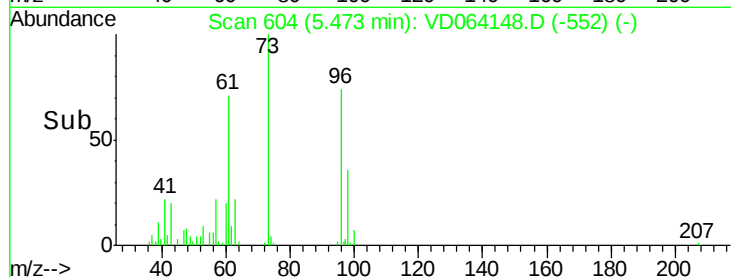
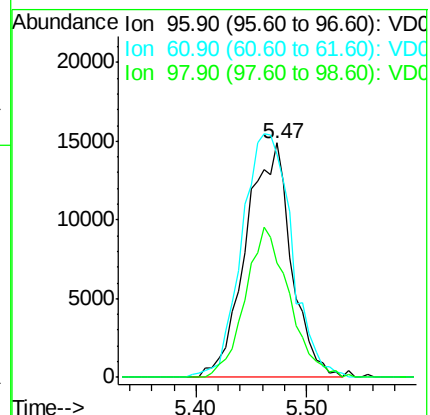
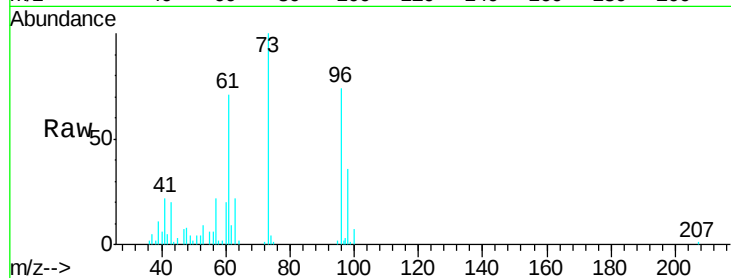
Tgt Ion: 96 Resp: 42811

Ion Ratio Lower Upper

96 100

61 94.0 95.0 142.6#

98 48.9 45.8 68.8



#22

Diisopropyl ether

Concen: 19.449 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Tgt Ion: 45 Resp: 91146

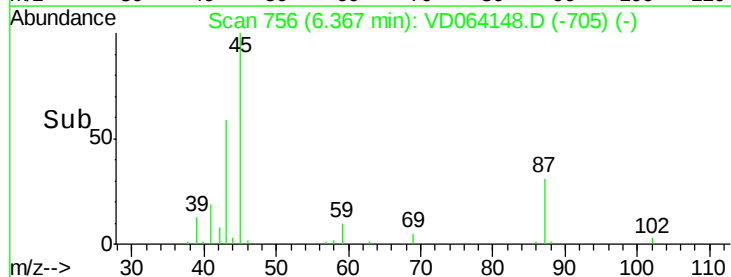
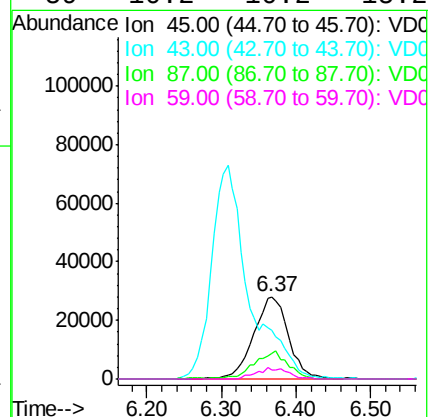
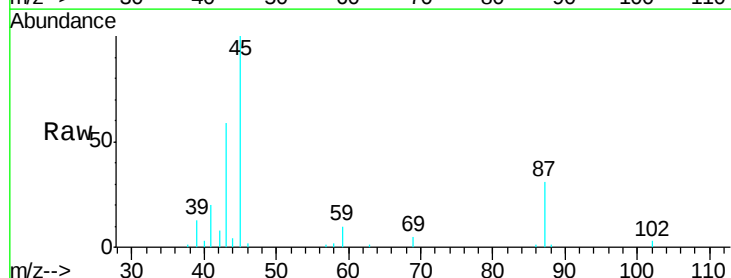
Ion Ratio Lower Upper

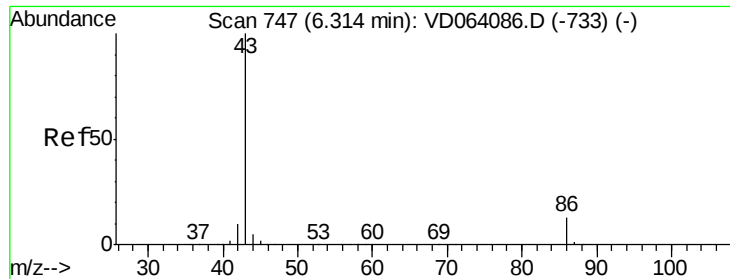
45 100

43 57.7 44.3 66.5

87 31.4 26.6 39.8

59 10.2 10.2 15.2





#23

Vinyl Acetate

Concen: 98.558 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

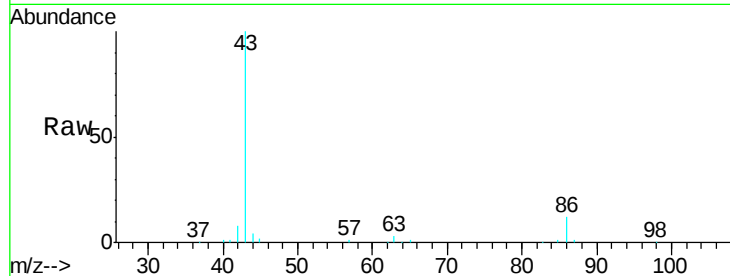
VD1101SBS01

Tgt Ion: 43 Resp: 253175

Ion Ratio Lower Upper

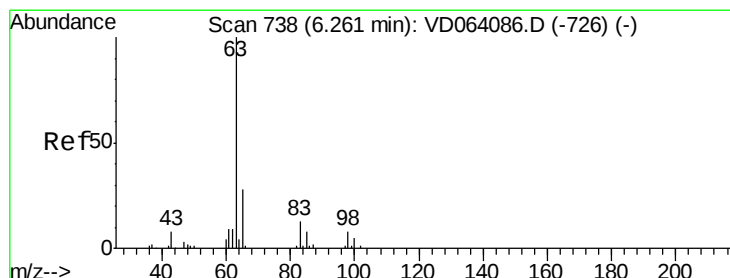
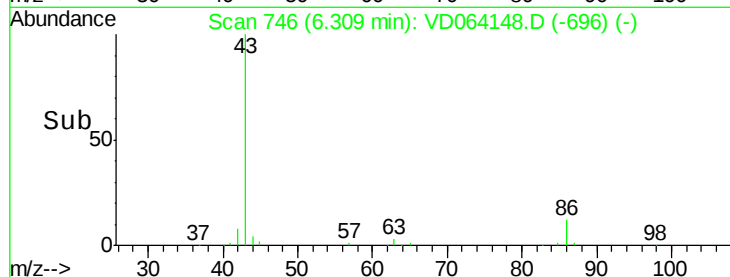
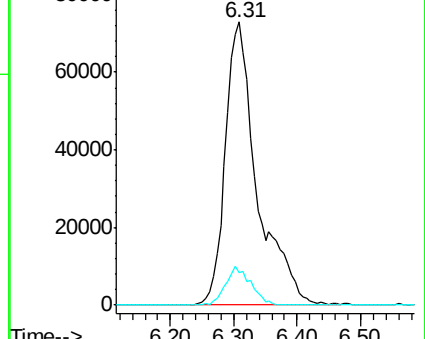
43 100

86 11.5 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.419 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

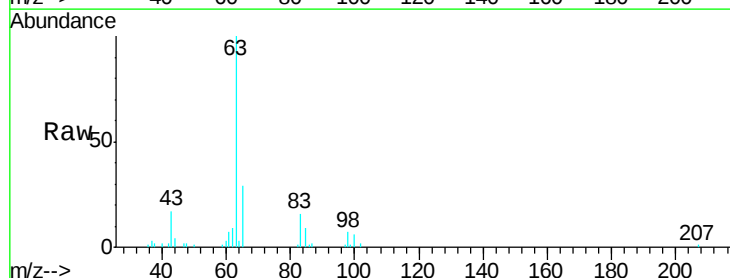
Tgt Ion: 63 Resp: 64617

Ion Ratio Lower Upper

63 100

98 7.4 4.0 11.9

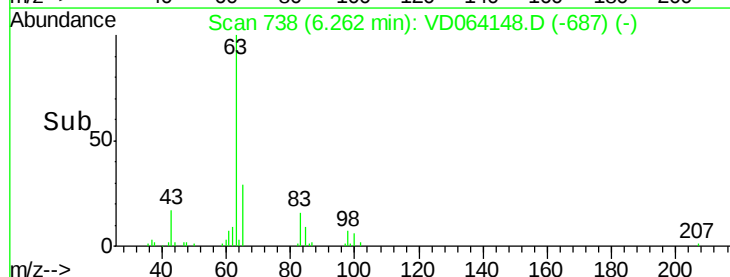
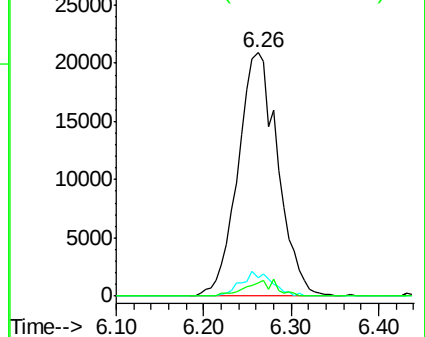
100 5.6 2.6 7.8

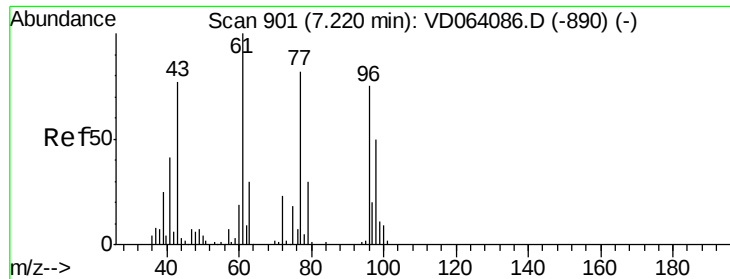


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 90.202 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

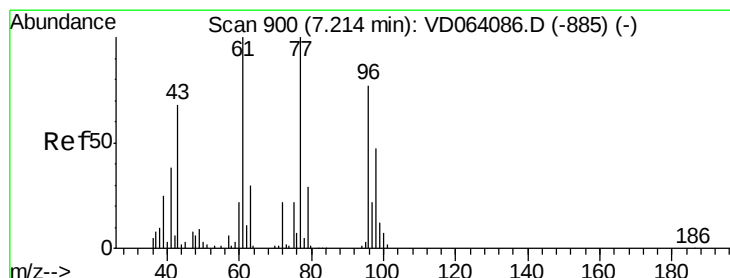
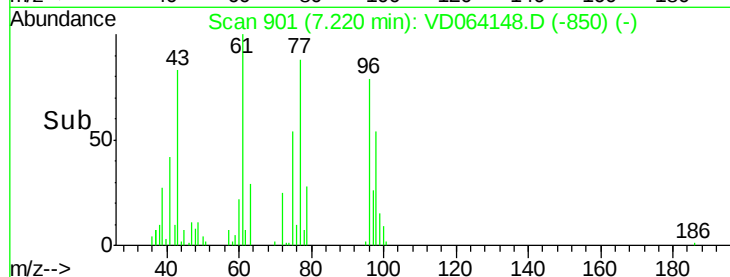
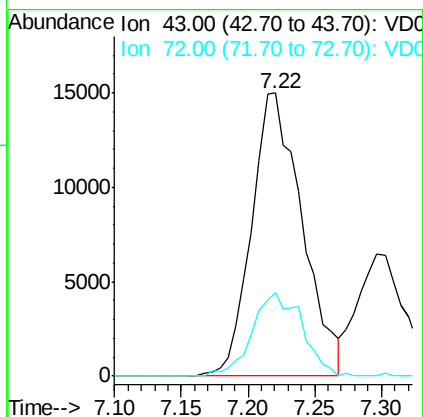
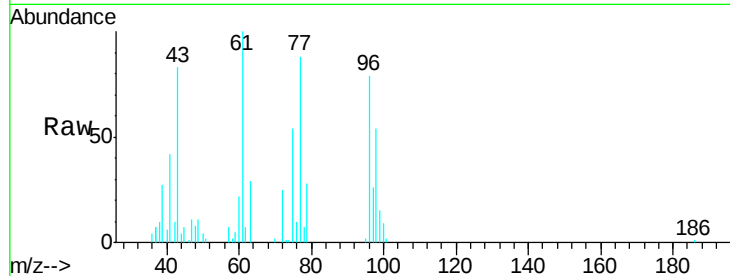
VD1101SBS01

Tgt Ion: 43 Resp: 39328

Ion Ratio Lower Upper

43 100

72 29.5 23.4 35.0



#26

2,2-Dichloropropane

Concen: 19.133 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064148.D

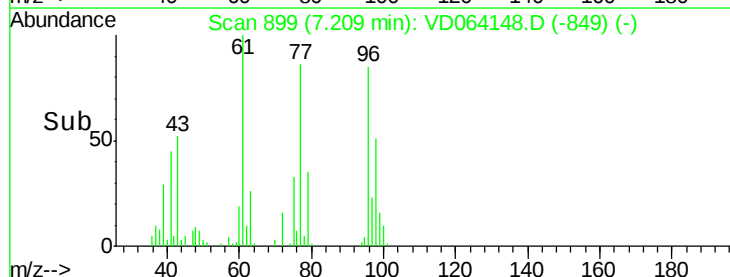
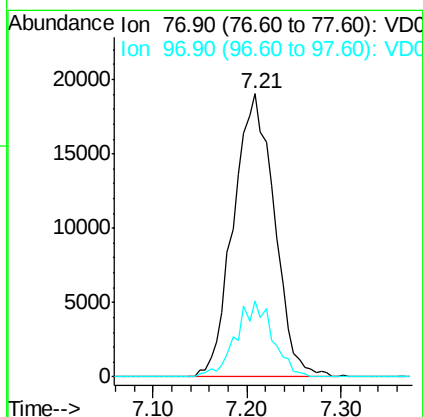
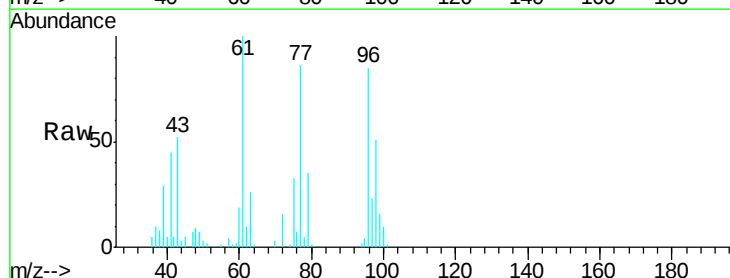
Acq: 01 Nov 2019 13:00

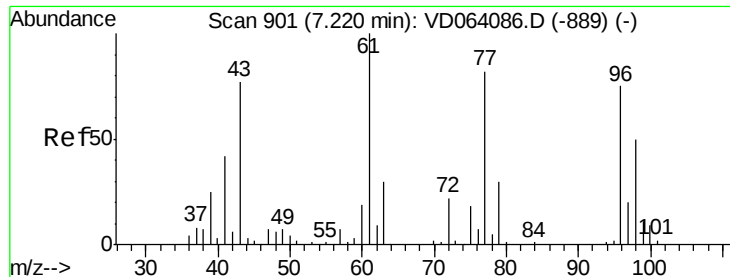
Tgt Ion: 77 Resp: 57467

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5



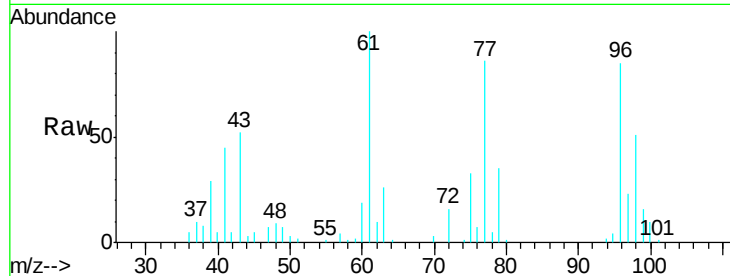


#27

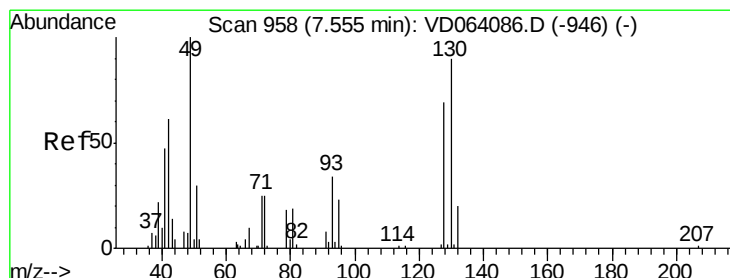
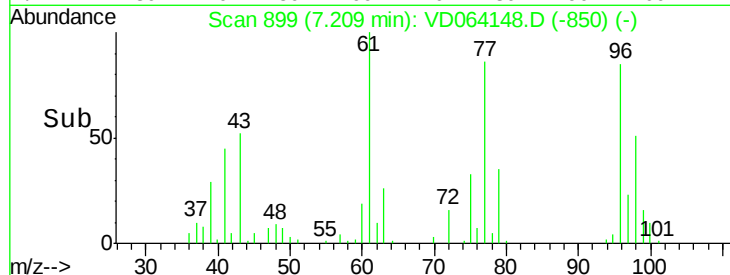
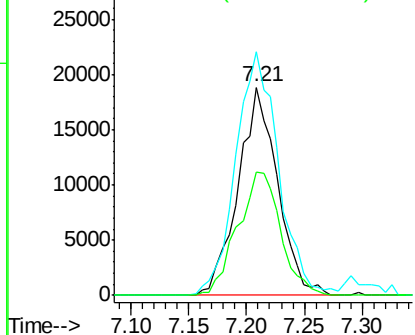
cis-1,2-Dichloroethene
 Concen: 19.715 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tgt Ion: 96 Resp: 44770
 Ion Ratio Lower Upper
 96 100
 61 127.0 0.0 258.0
 98 64.7 0.0 130.8



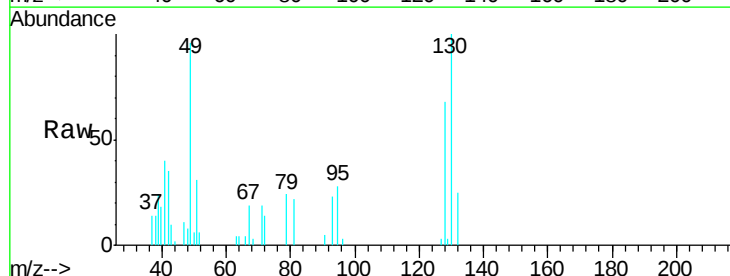
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



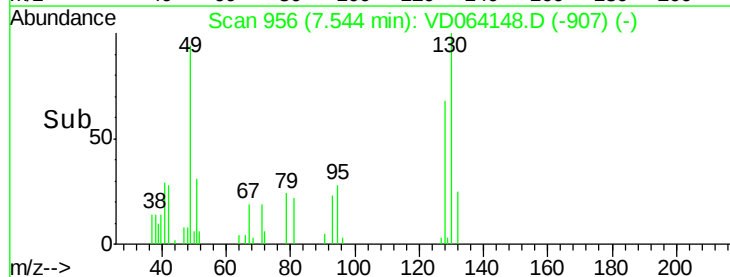
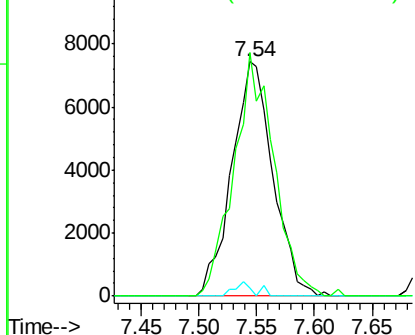
#28

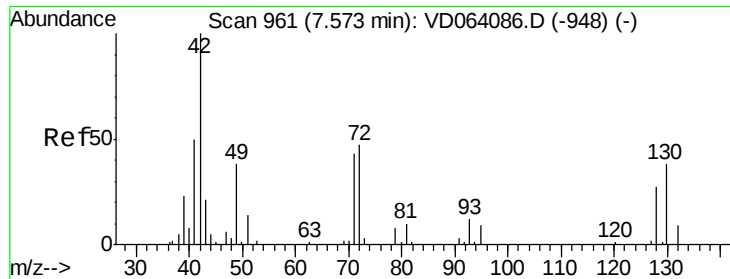
Bromochloromethane
 Concen: 16.453 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 49 Resp: 18345
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.4
 130 100.8 75.3 112.9



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

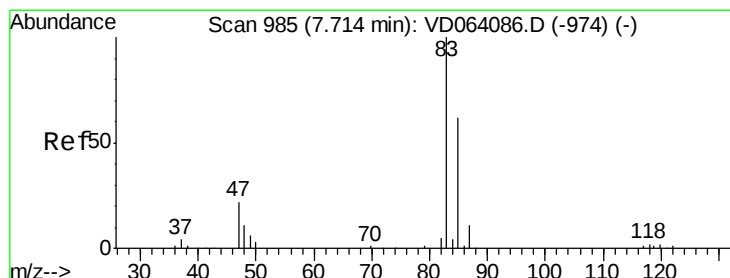
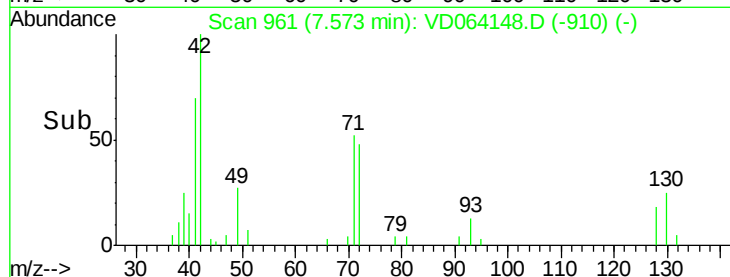
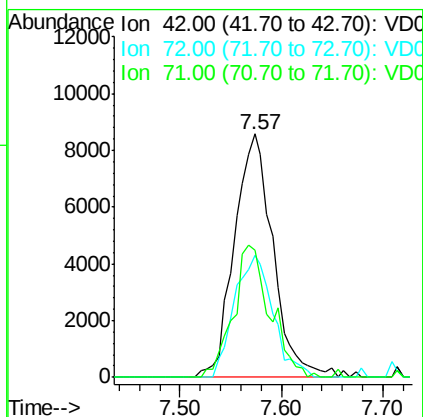
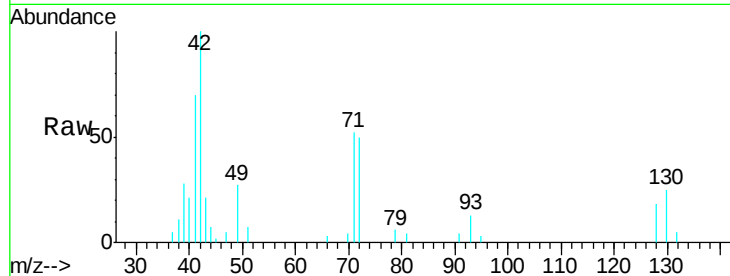




#29
Tetrahydrofuran
Concen: 89.052 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

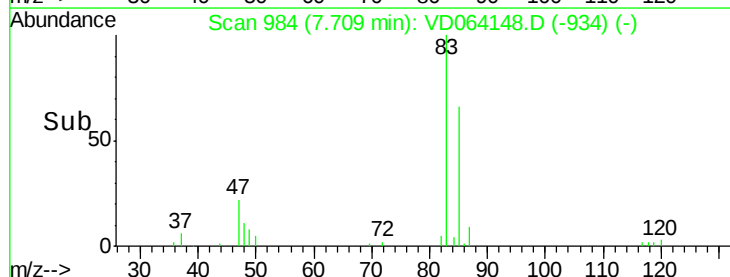
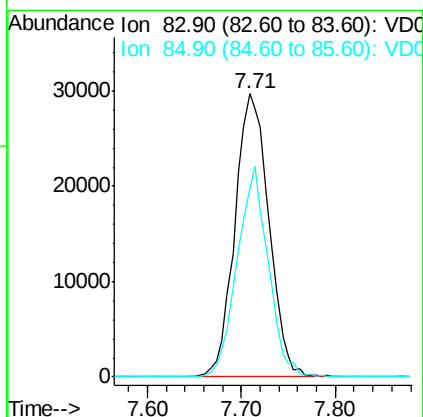
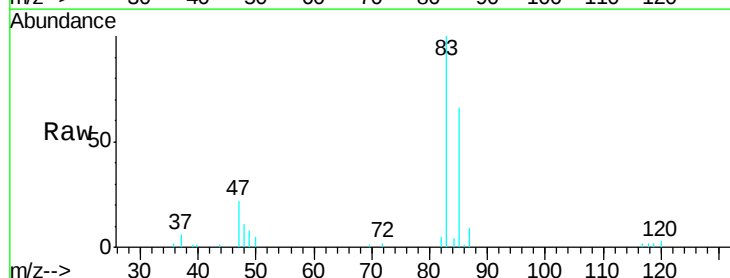
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

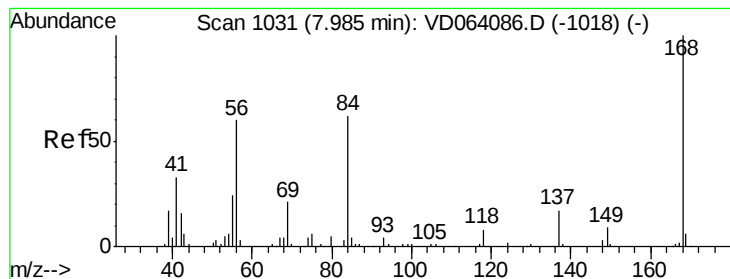
Tgt Ion: 42 Resp: 22660
Ion Ratio Lower Upper
42 100
72 50.4 38.9 58.3
71 52.0 35.4 53.2



#30
Chloroform
Concen: 20.511 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 83 Resp: 74273
Ion Ratio Lower Upper
83 100
85 66.5 49.8 74.6





#31

Cyclohexane

Concen: 18.841 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

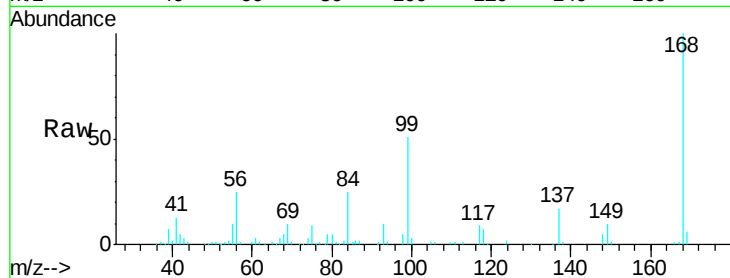
Tgt Ion: 56 Resp: 58089

Ion Ratio Lower Upper

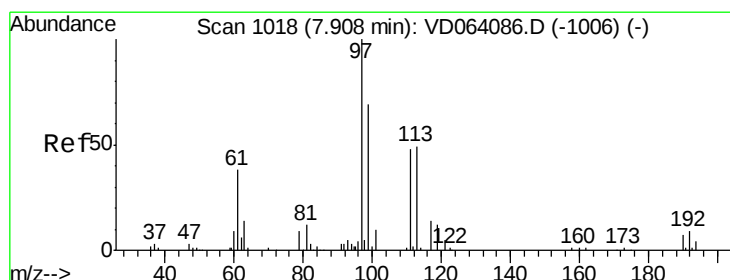
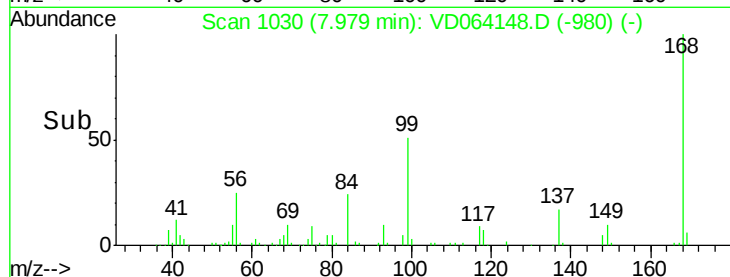
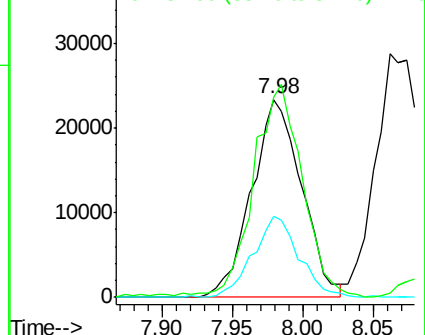
56 100

69 40.3 27.7 41.5

84 99.7 83.1 124.7



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: 20.063 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

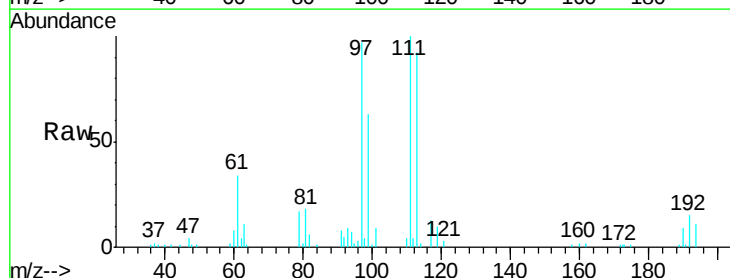
Tgt Ion: 97 Resp: 67628

Ion Ratio Lower Upper

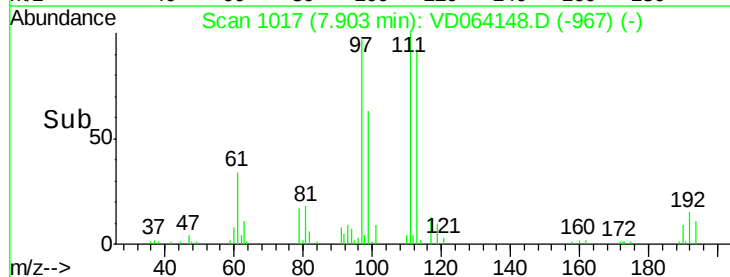
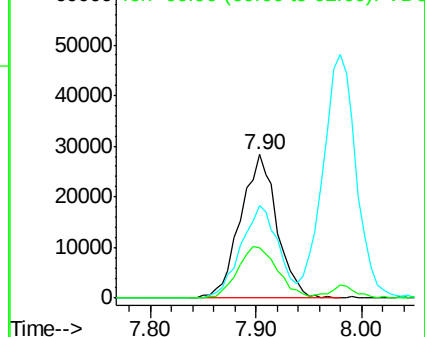
97 100

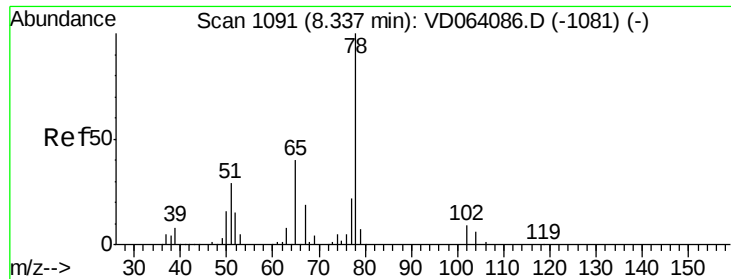
99 66.7 53.7 80.5

61 39.3 31.8 47.6



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: 50.598 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

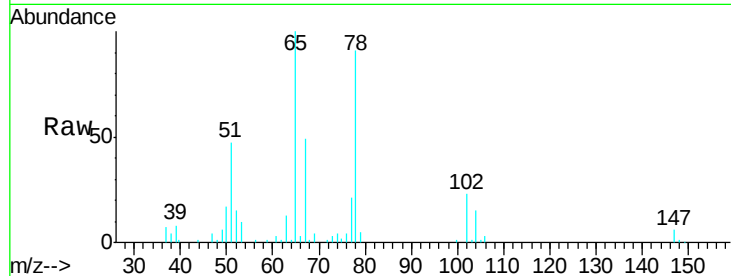
VD1101SBS01

Tgt Ion: 65 Resp: 83869

Ion Ratio Lower Upper

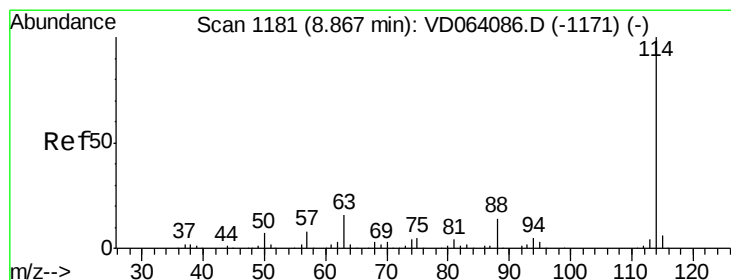
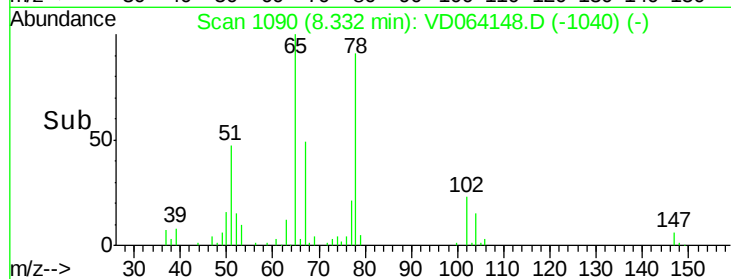
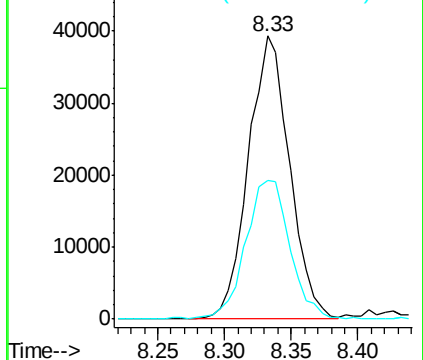
65 100

67 52.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

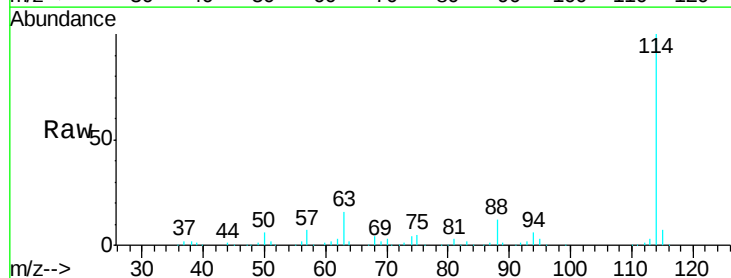
Tgt Ion: 114 Resp: 318405

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.8

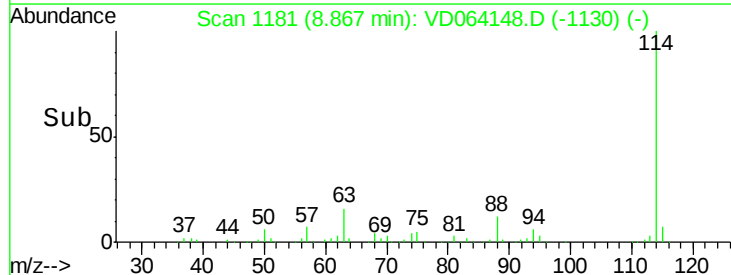
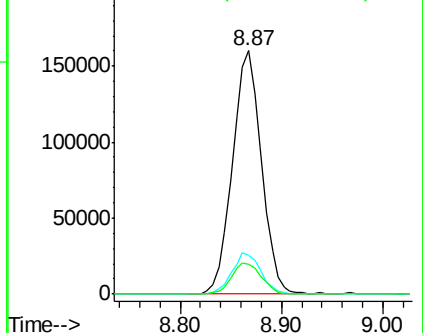
88 12.4 0.0 27.6

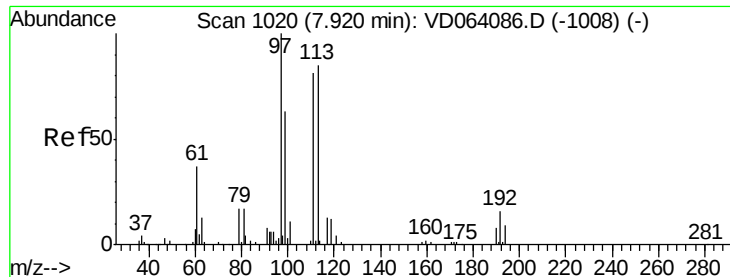


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

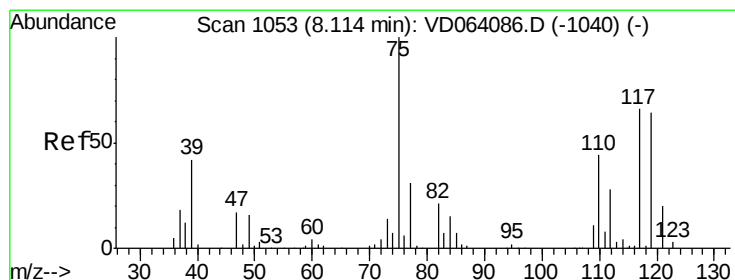
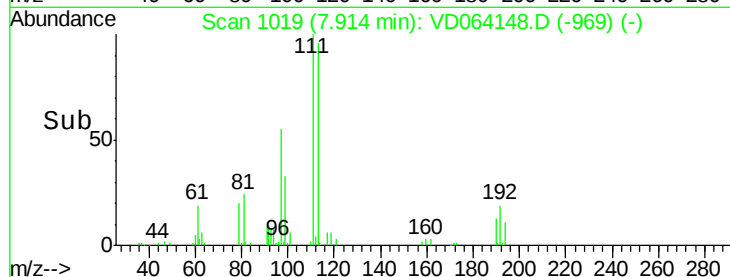
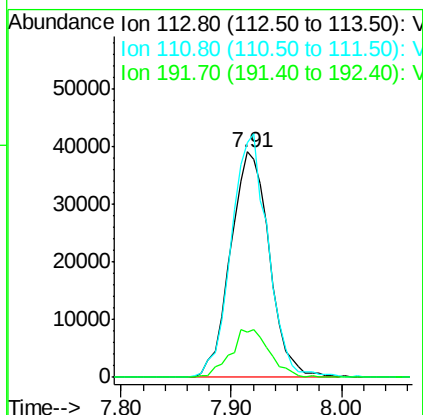
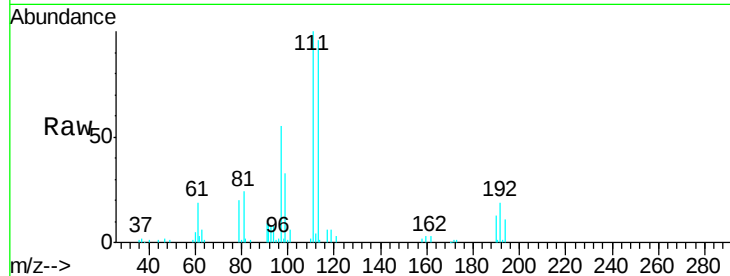




#35
 Dibromofluoromethane
 Concen: 49.322 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

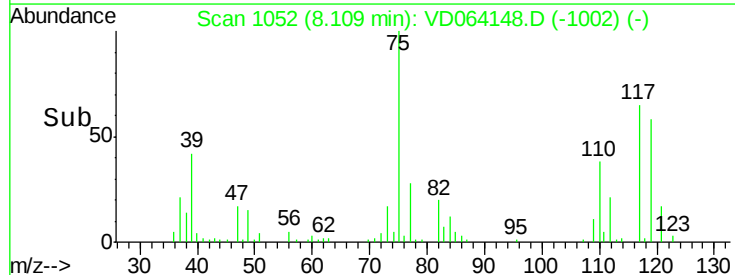
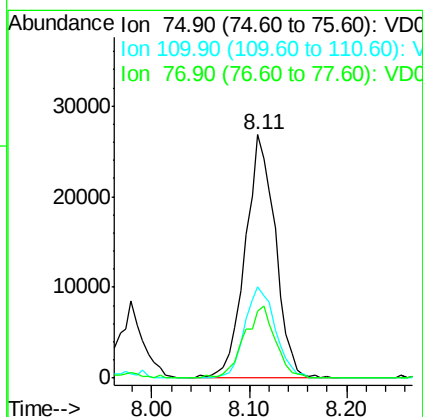
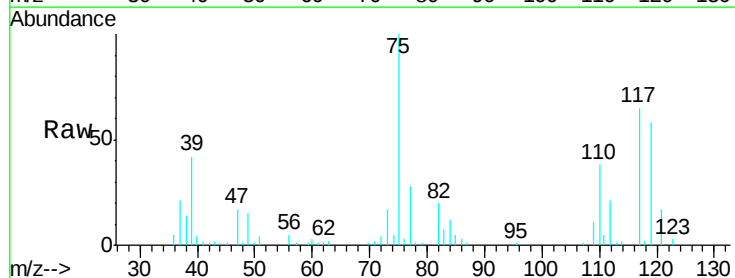
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

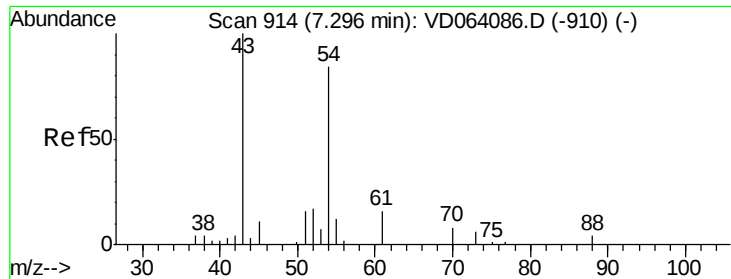
Tgt Ion:113 Resp: 96618
 Ion Ratio Lower Upper
 113 100
 111 102.5 79.3 118.9
 192 21.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 19.284 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 75 Resp: 57536
 Ion Ratio Lower Upper
 75 100
 110 38.3 20.0 59.9
 77 30.9 24.7 37.1

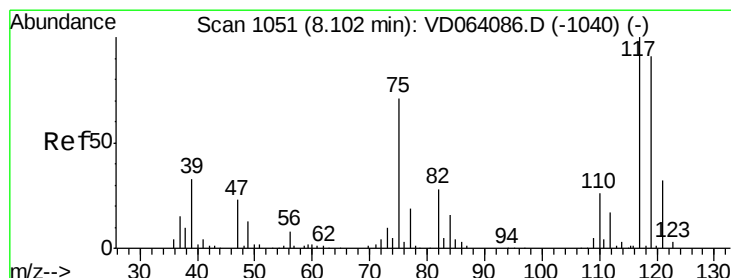
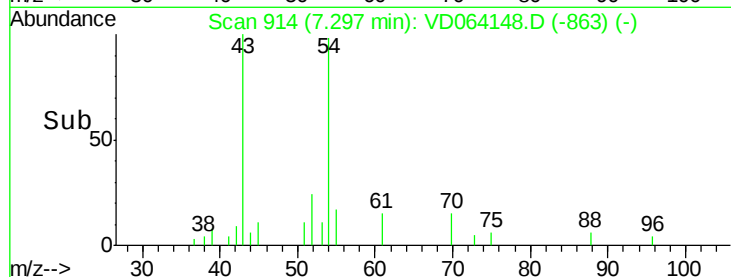
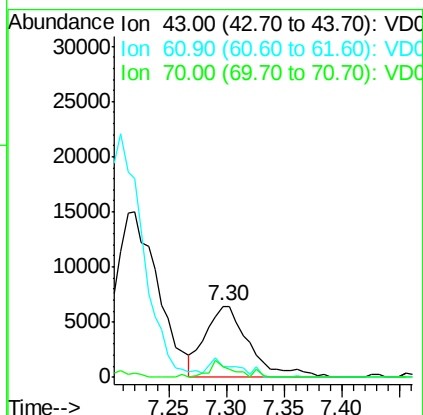
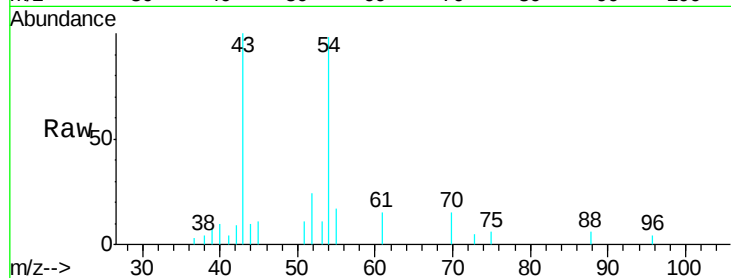




#37
Ethyl Acetate
Concen: 18.652 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

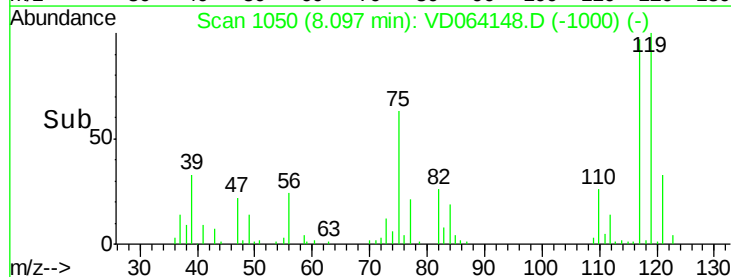
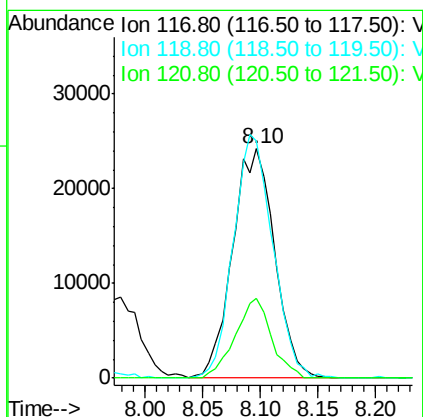
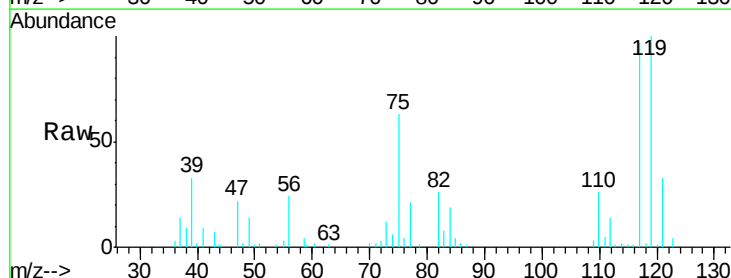
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

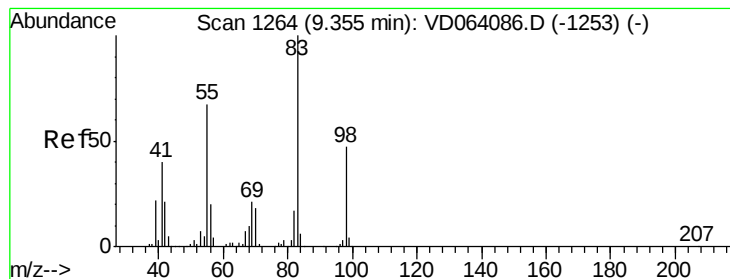
Tgt Ion: 43 Resp: 17129
Ion Ratio Lower Upper
43 100
61 15.8 12.0 18.0
70 11.3 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 18.845 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 117 Resp: 61345
Ion Ratio Lower Upper
117 100
119 103.4 72.6 108.8
121 34.6 25.8 38.6





#39

Methylcyclohexane

Concen: 18.676 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

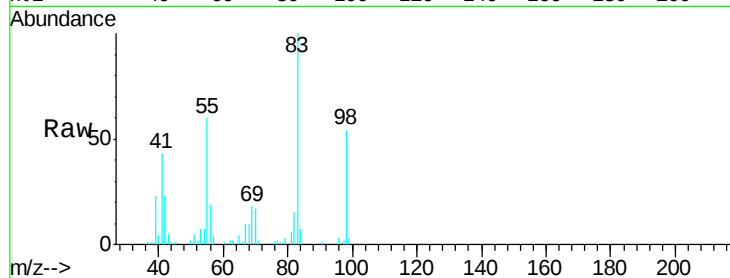
Tgt Ion: 83 Resp: 68400

Ion Ratio Lower Upper

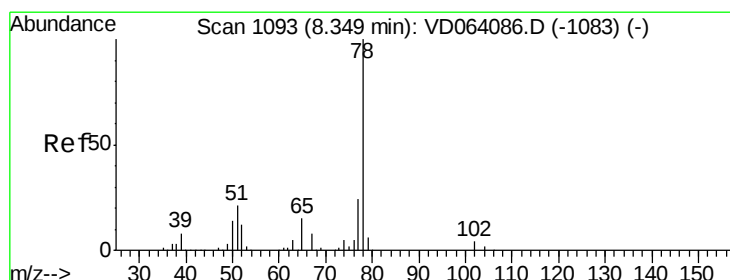
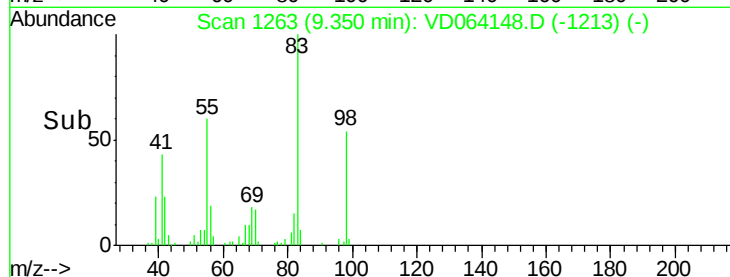
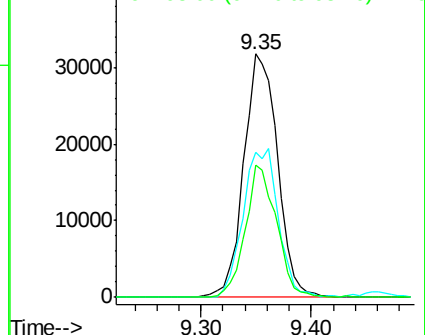
83 100

55 59.6 53.4 80.0

98 54.1 37.8 56.6



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: 19.151 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD064148.D

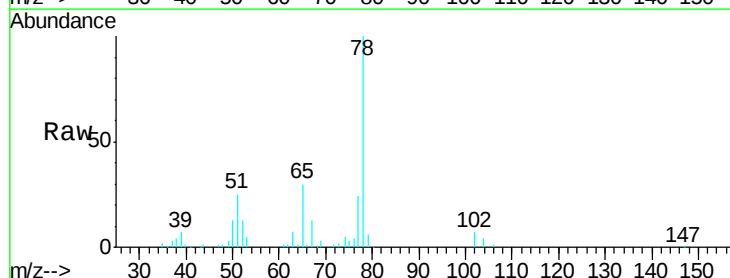
Acq: 01 Nov 2019 13:00

Tgt Ion: 78 Resp: 155815

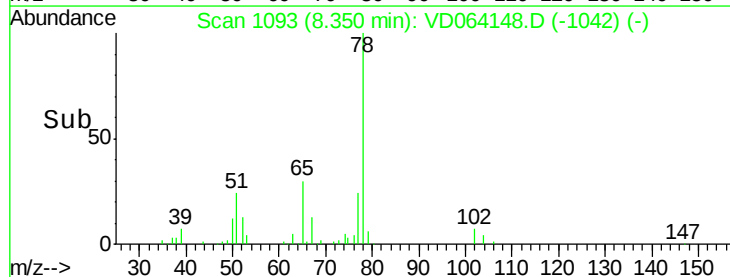
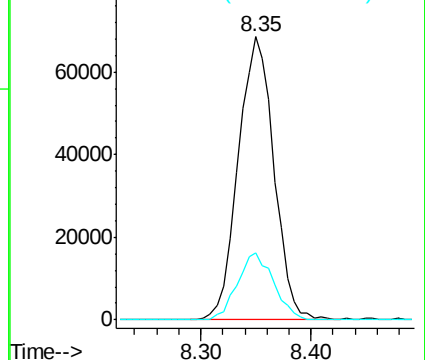
Ion Ratio Lower Upper

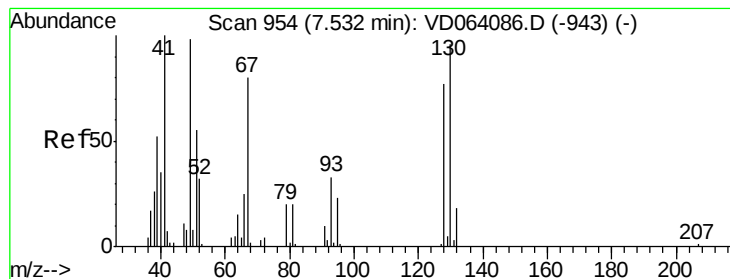
78 100

77 23.8 19.0 28.4



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





#41

Methacrylonitrile

Concen: 19.190 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 41 Resp: 10170

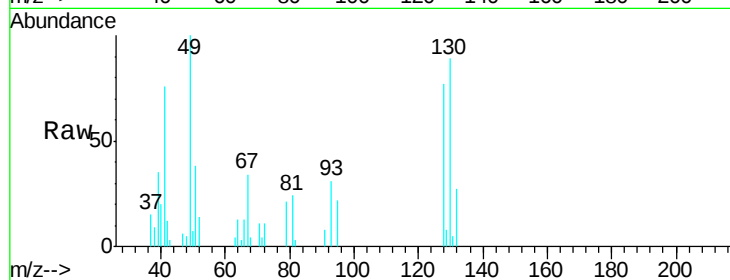
Ion Ratio Lower Upper

41 100

39 39.0 41.0 61.4#

67 87.3 73.4 110.0

52 29.7 27.3 40.9

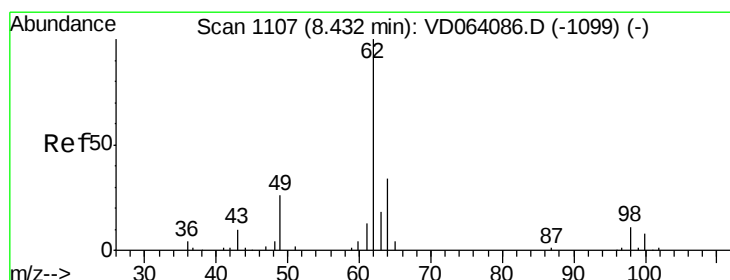
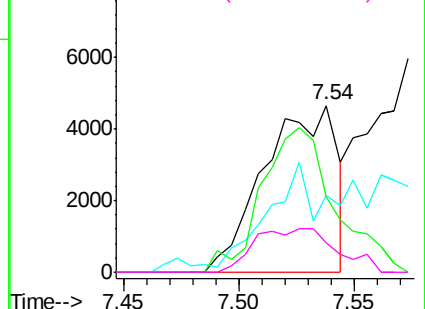
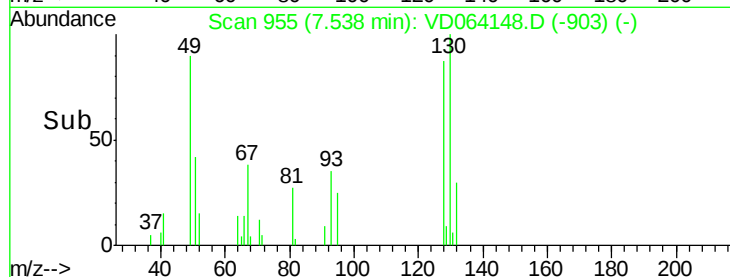


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.427 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064148.D

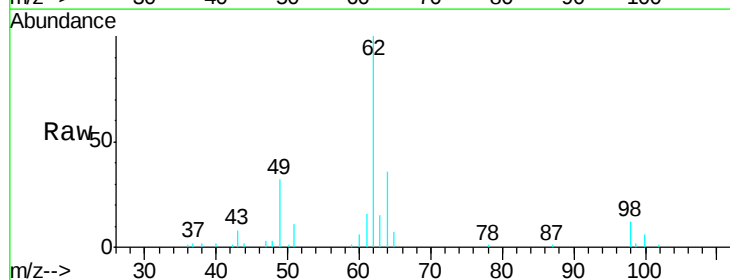
Acq: 01 Nov 2019 13:00

Tgt Ion: 62 Resp: 41751

Ion Ratio Lower Upper

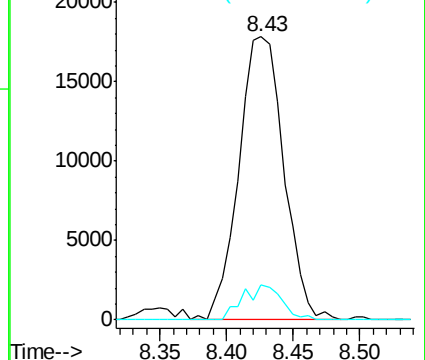
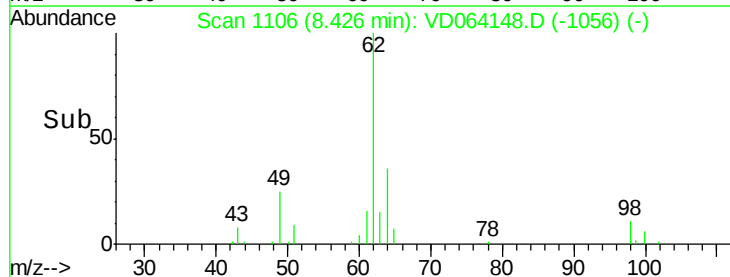
62 100

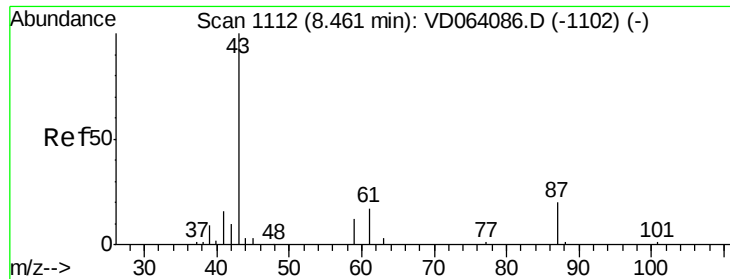
98 10.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.843 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

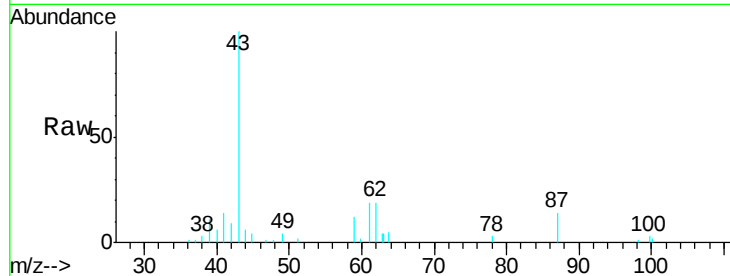
Tgt Ion: 43 Resp: 33116

Ion Ratio Lower Upper

43 100

61 34.1 25.8 38.8

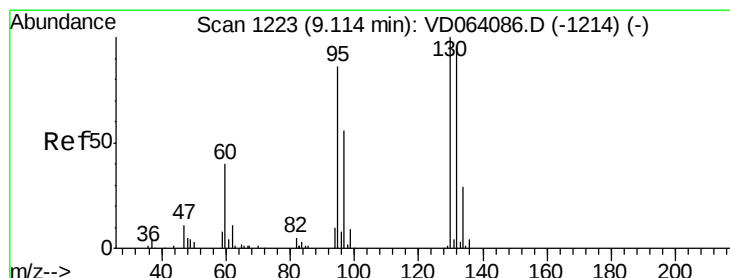
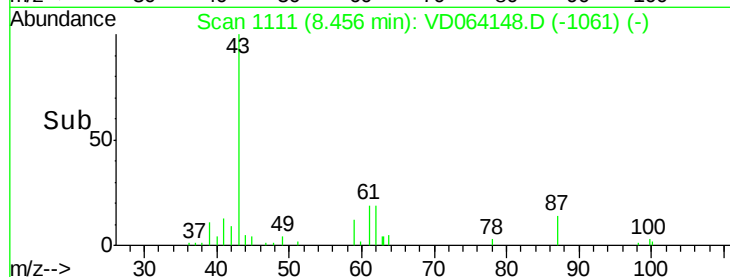
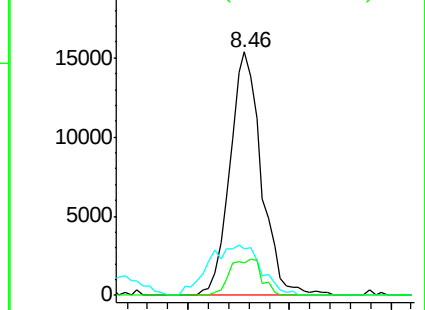
87 15.0 13.0 19.4



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: 20.034 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064148.D

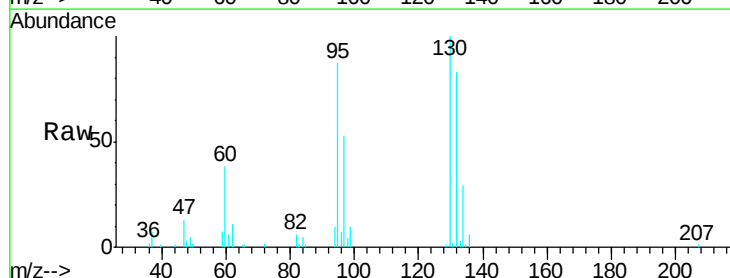
Acq: 01 Nov 2019 13:00

Tgt Ion: 130 Resp: 49402

Ion Ratio Lower Upper

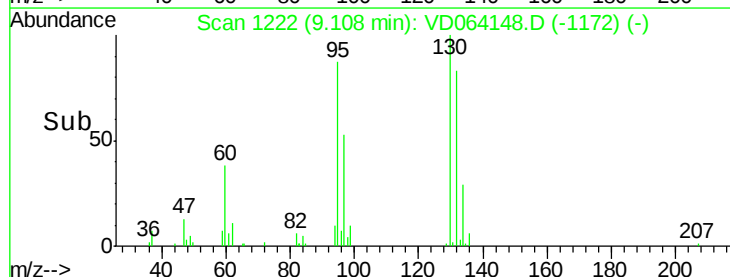
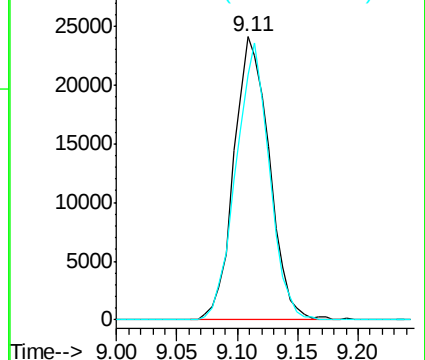
130 100

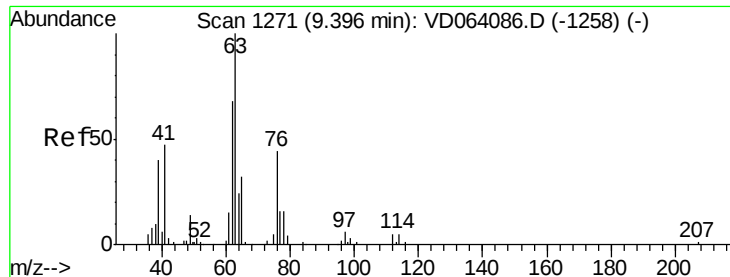
95 86.6 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.113 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

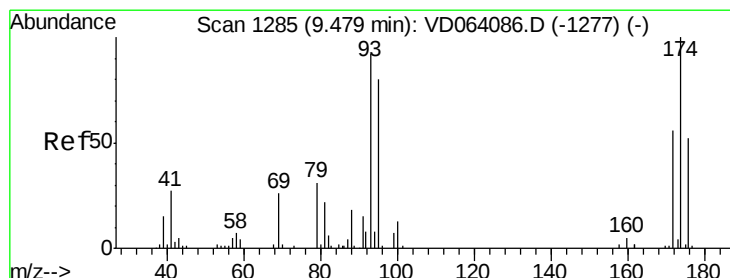
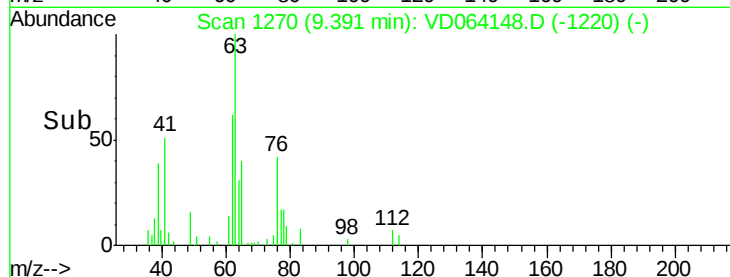
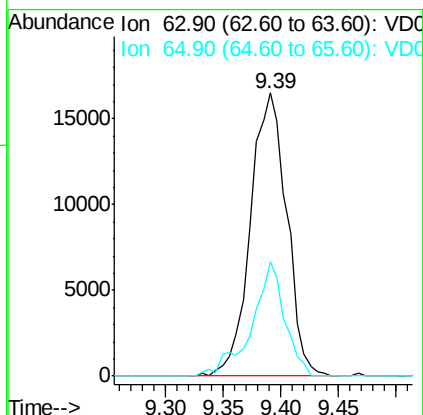
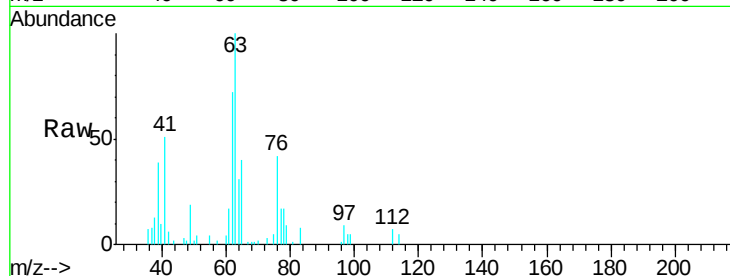
VD1101SBS01

Tgt Ion: 63 Resp: 36039

Ion Ratio Lower Upper

63 100

65 40.2 25.8 38.8#



#46

Dibromomethane

Concen: 19.059 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

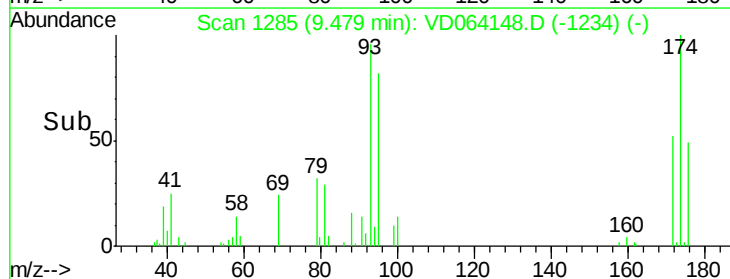
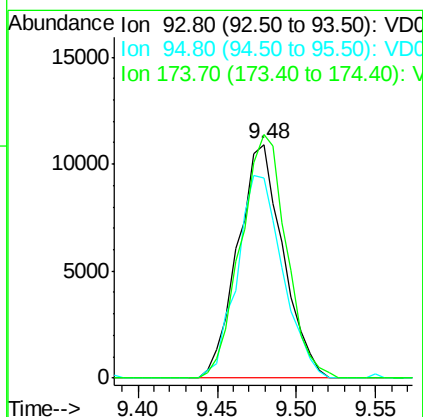
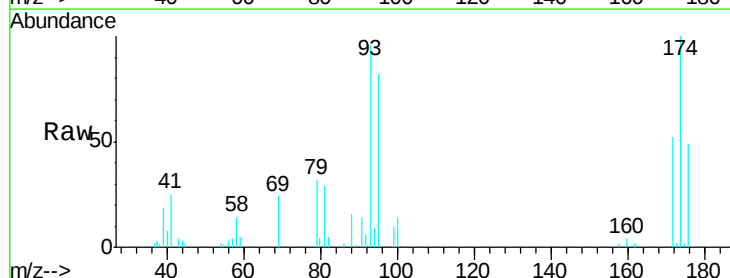
Tgt Ion: 93 Resp: 21643

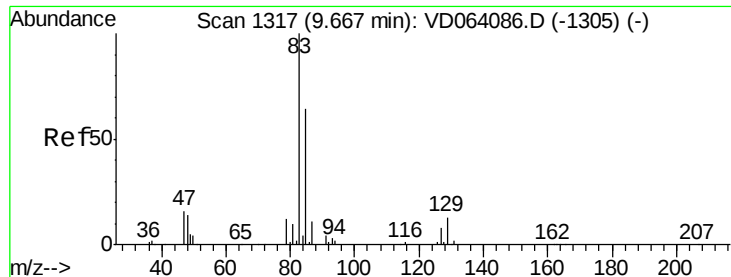
Ion Ratio Lower Upper

93 100

95 87.2 67.4 101.2

174 104.7 86.4 129.6





#47

Bromodichloromethane

Concen: 18.650 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

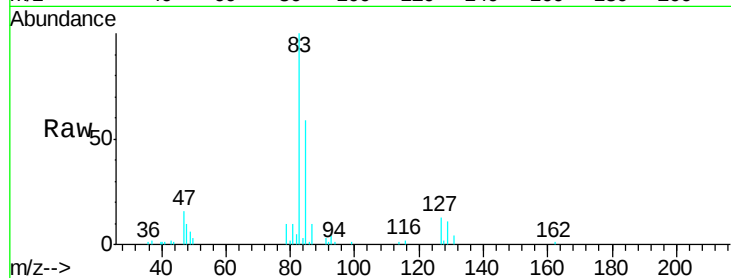
Tgt Ion: 83 Resp: 53428

Ion Ratio Lower Upper

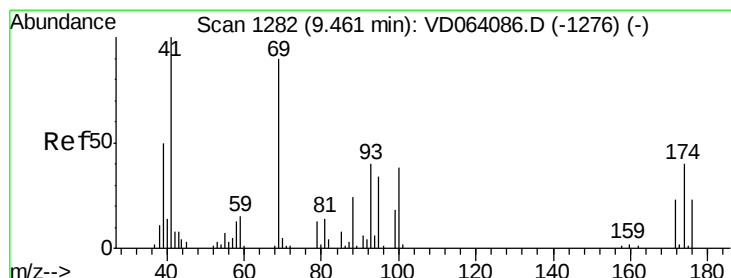
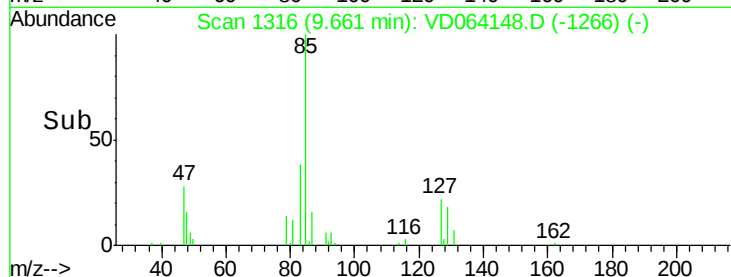
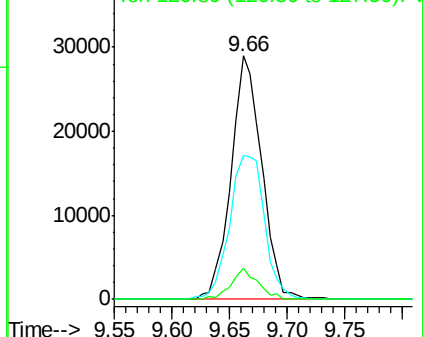
83 100

85 59.3 51.4 77.0

127 12.8 6.7 10.1#



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: 18.078 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

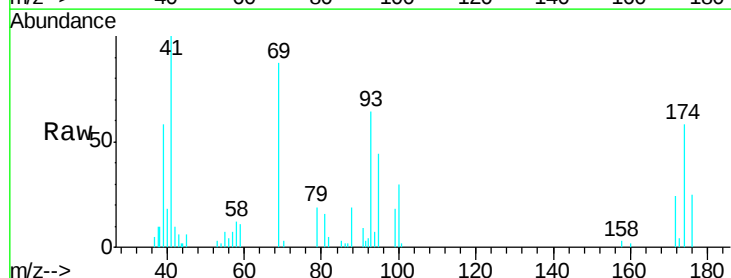
Tgt Ion: 41 Resp: 15515

Ion Ratio Lower Upper

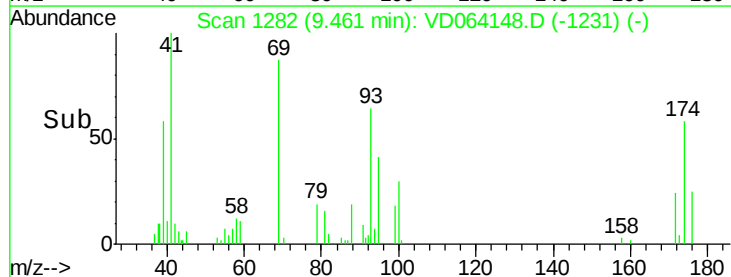
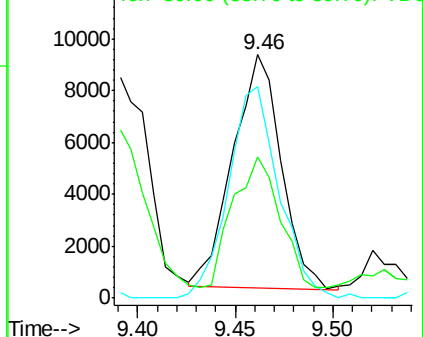
41 100

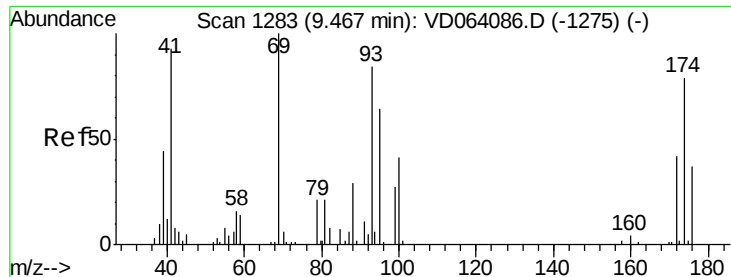
69 94.4 82.6 124.0

39 56.0 47.0 70.4



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

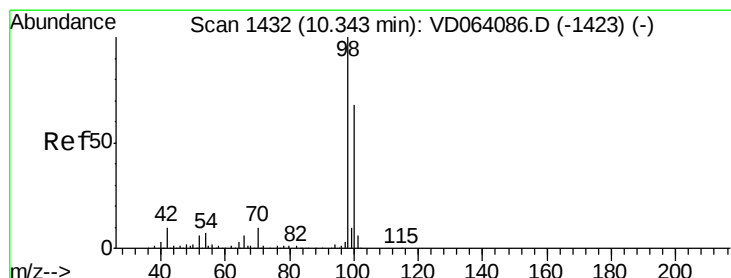
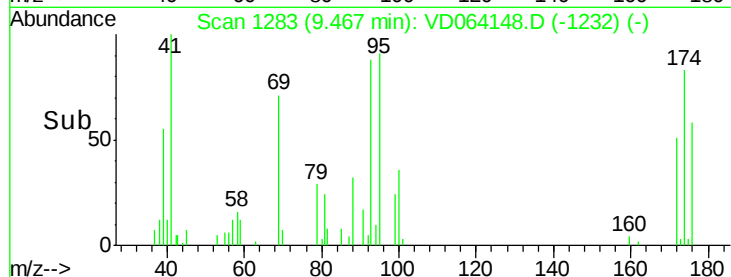
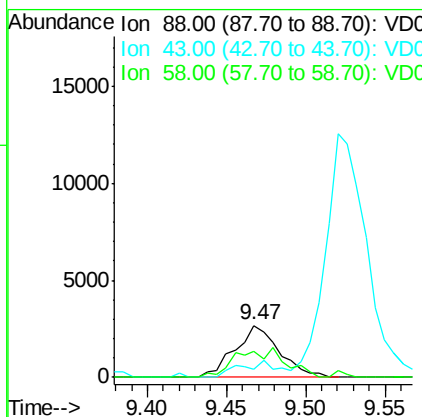
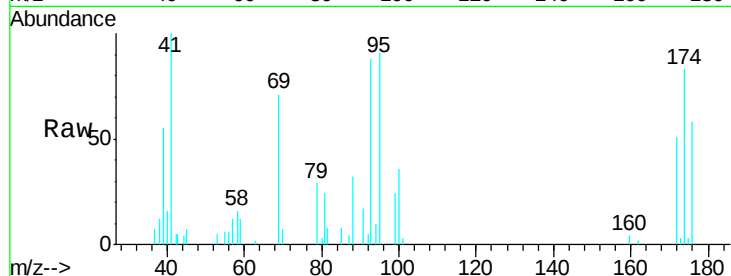




#49
 1,4-Dioxane
 Concen: 395.500 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

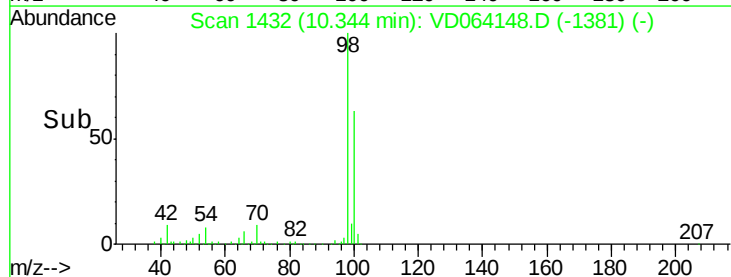
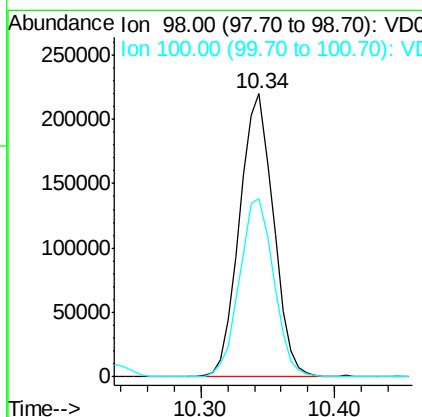
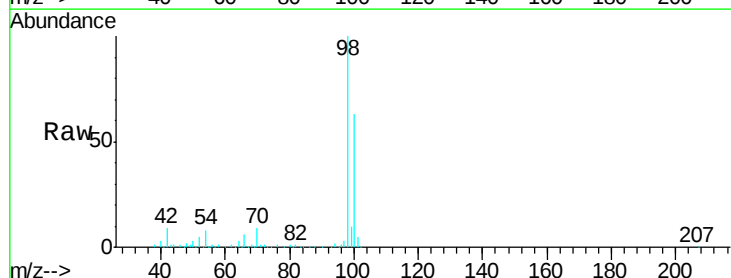
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

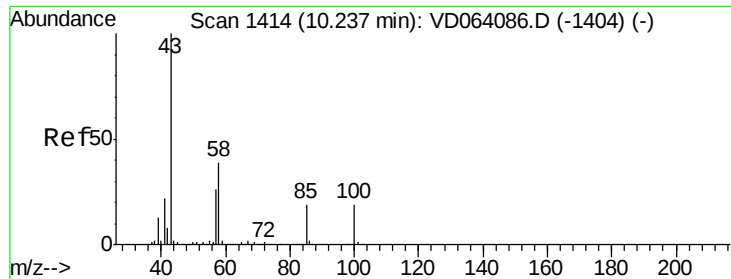
Tgt Ion: 88 Resp: 5141
 Ion Ratio Lower Upper
 88 100
 43 27.2 13.4 20.0#
 58 63.3 46.7 70.1



#50
 Toluene-d8
 Concen: 49.452 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 98 Resp: 387411
 Ion Ratio Lower Upper
 98 100
 100 64.0 53.4 80.0

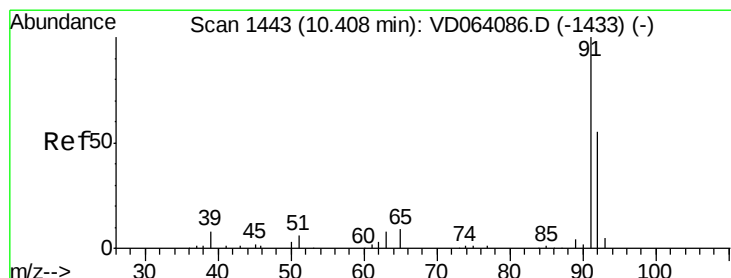
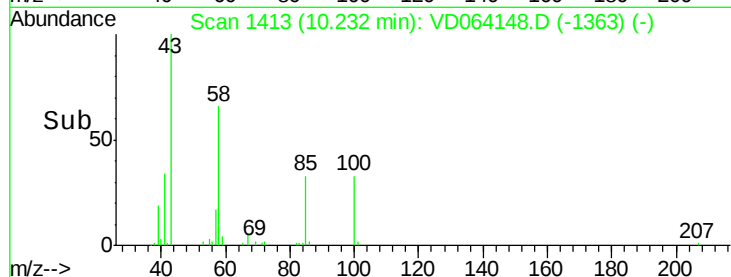
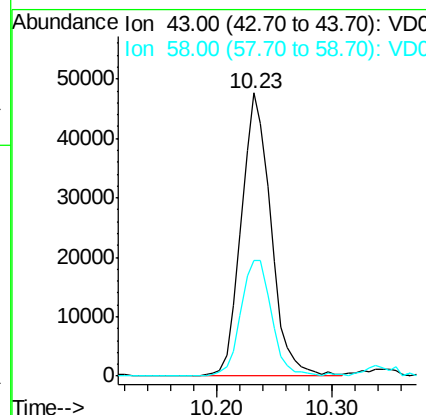
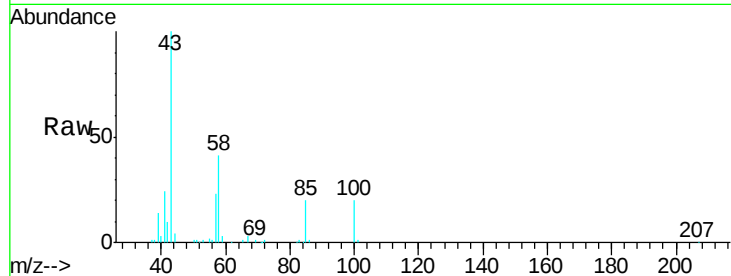




#51
 4-Methyl-2-Pentanone
 Concen: 84.421 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

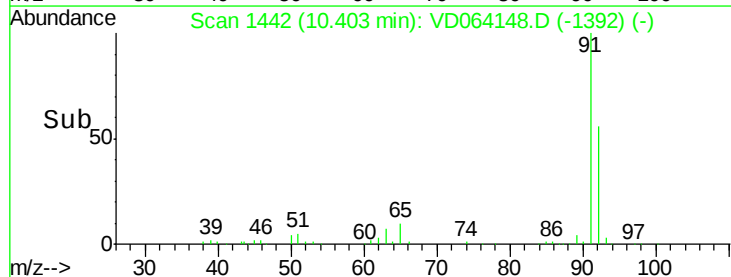
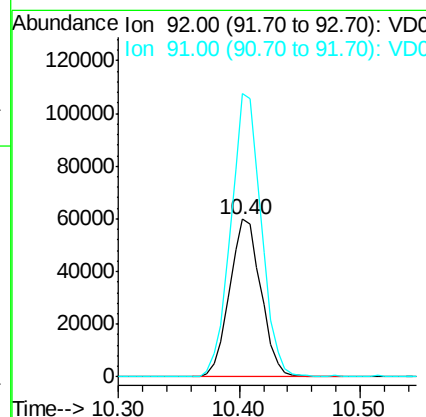
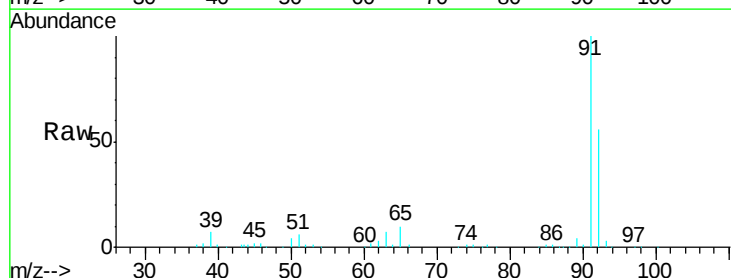
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1101SBS01

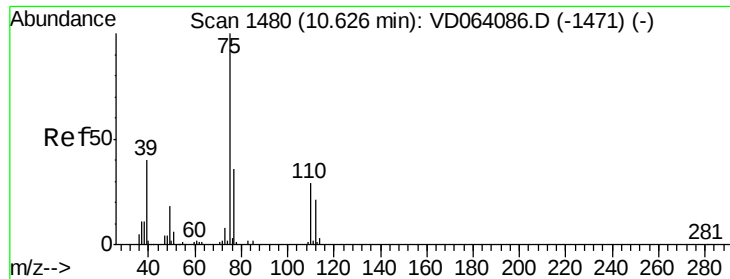
Tgt Ion: 43 Resp: 85296
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.0 49.4



#52
 Toluene
 Concen: 18.990 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 92 Resp: 108275
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

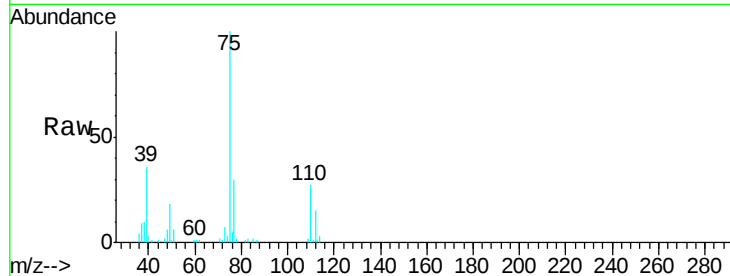
VD1101SBS01

Tgt Ion: 75 Resp: 50379

Ion Ratio Lower Upper

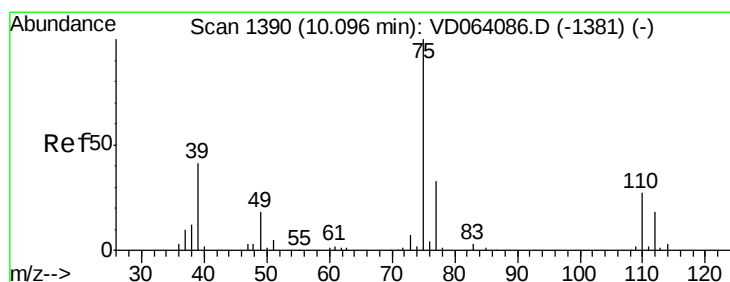
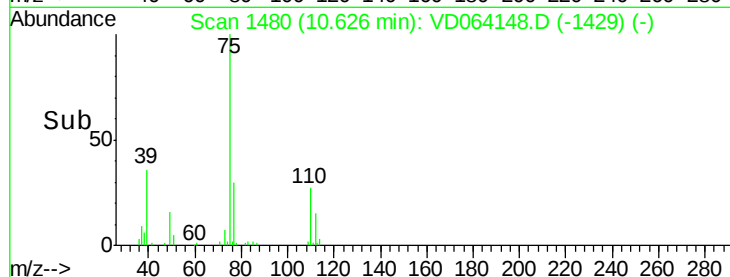
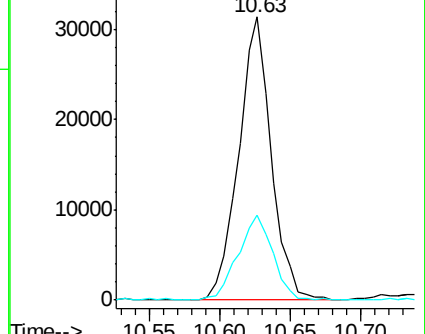
75 100

77 30.2 28.7 43.1



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: 18.031 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

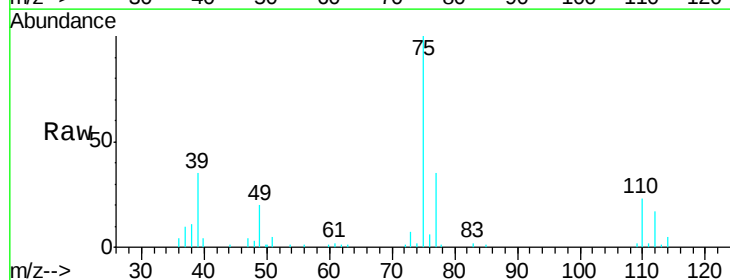
Tgt Ion: 75 Resp: 56729

Ion Ratio Lower Upper

75 100

77 34.9 26.8 40.2

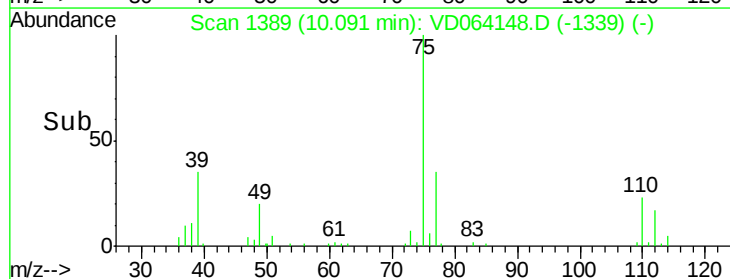
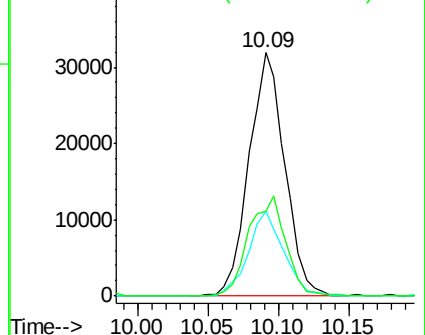
39 35.1 32.7 49.1

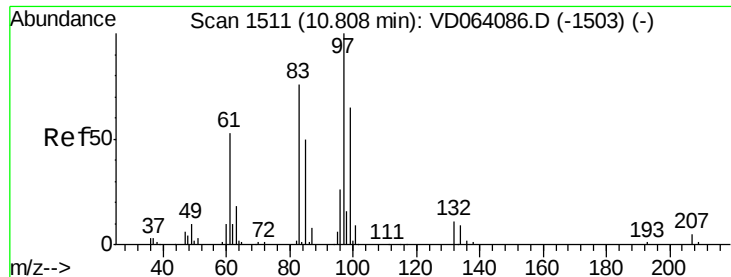


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

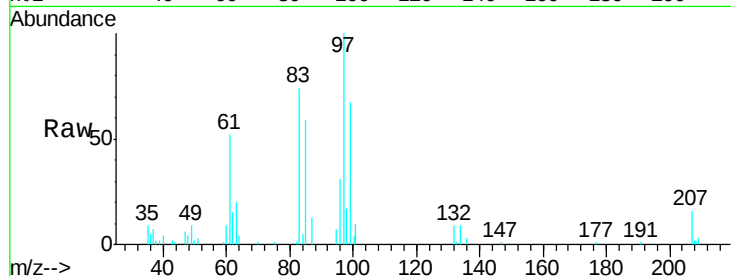




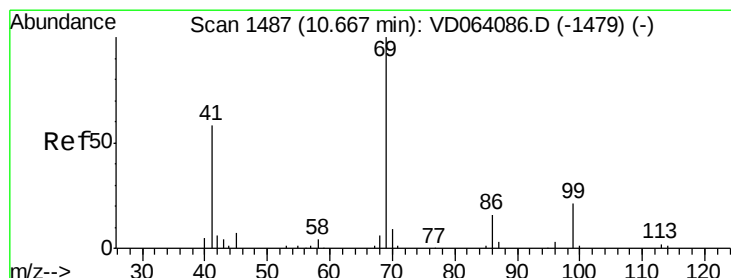
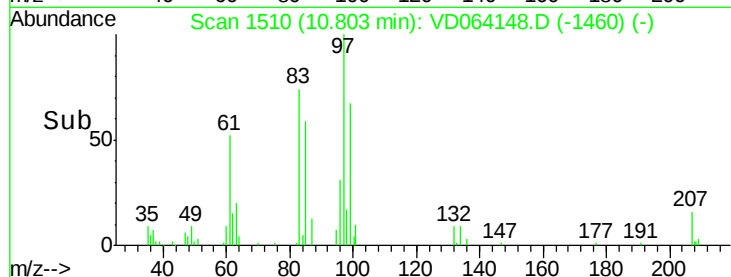
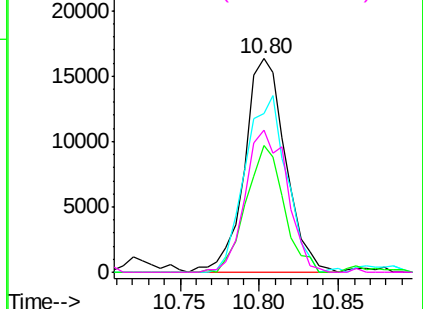
#55
 1,1,2-Trichloroethane
 Concen: 18.256 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tgt Ion:	97	Resp:	29393
Ion	Ratio	Lower	Upper
97	100		
83	74.4	60.9	91.3
85	59.3	40.2	60.2
99	66.6	51.9	77.9

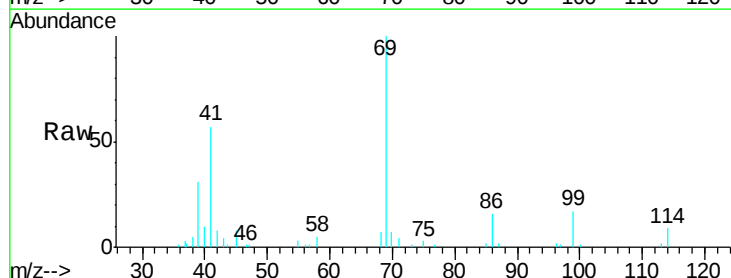


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

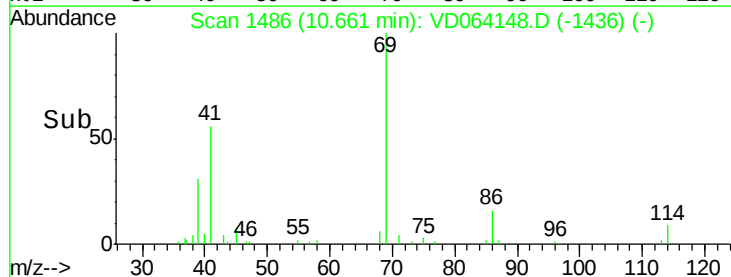
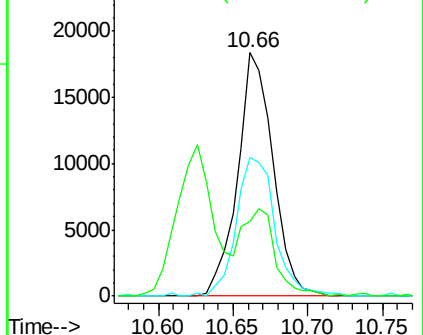


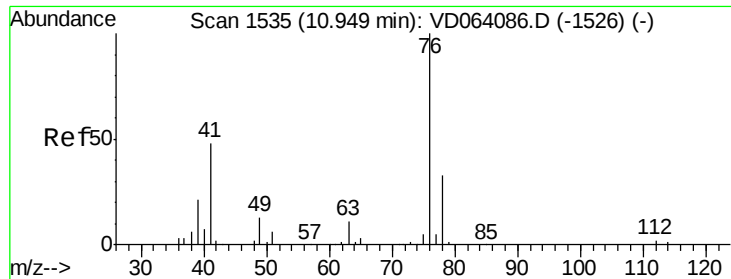
#56
 Ethyl methacrylate
 Concen: 17.492 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion:	69	Resp:	30142
Ion	Ratio	Lower	Upper
69	100		
41	62.4	46.9	70.3
39	33.4	27.3	40.9



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

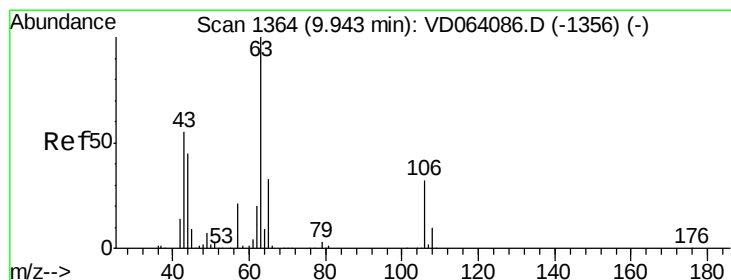
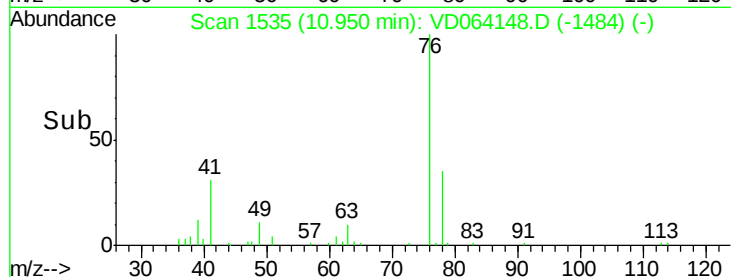
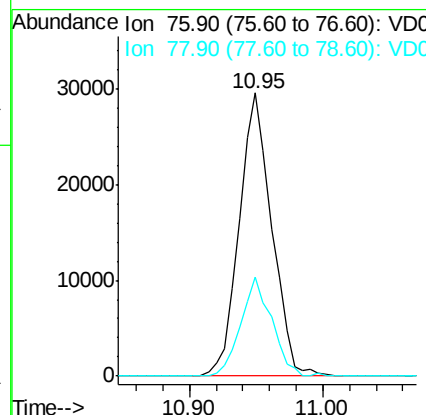
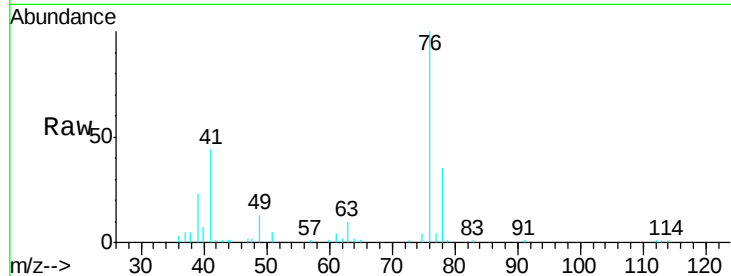




#57
 1,3-Dichloropropane
 Concen: 18.745 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

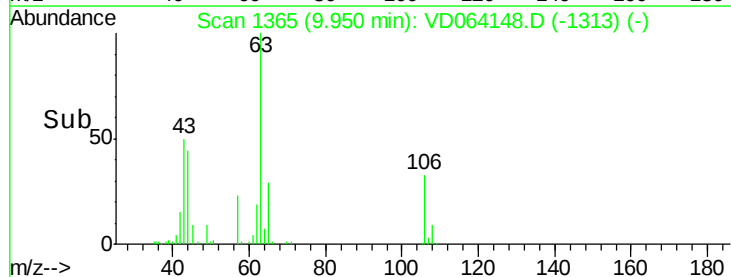
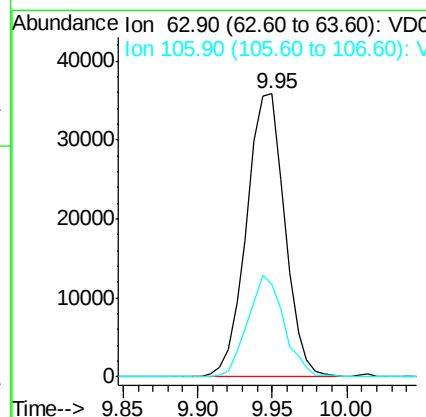
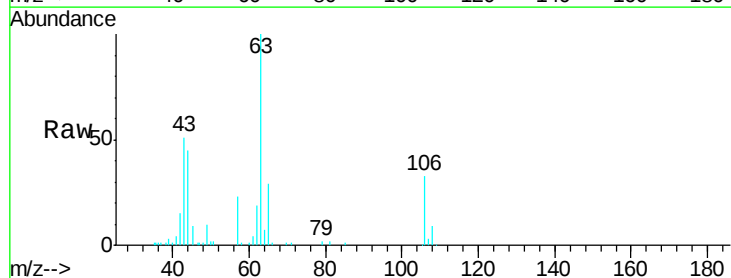
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

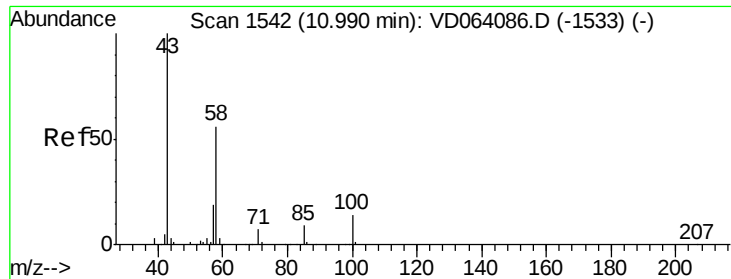
Tgt Ion: 76 Resp: 49912
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.139 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 63 Resp: 63581
 Ion Ratio Lower Upper
 63 100
 106 34.0 25.8 38.8

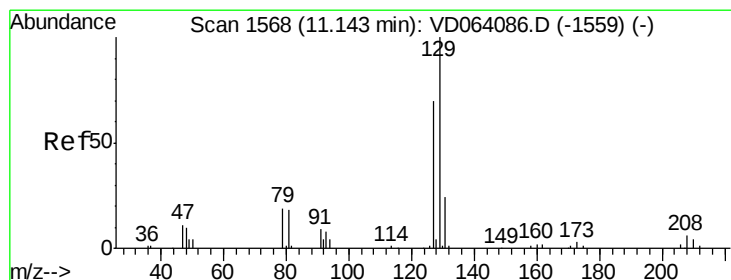
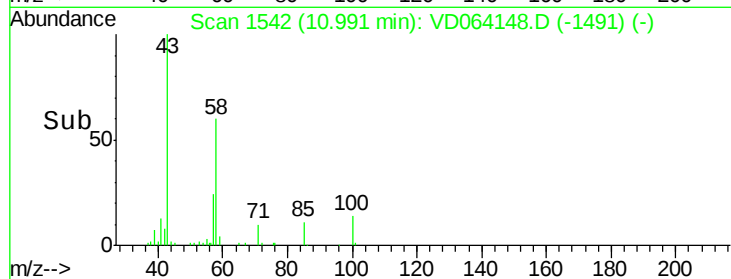
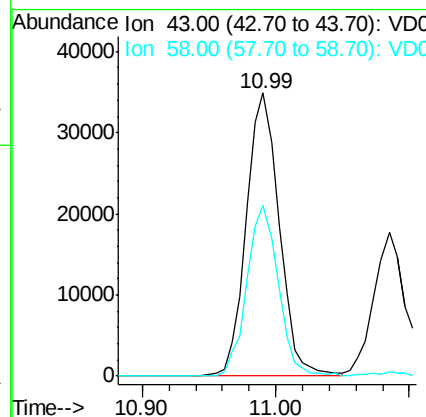
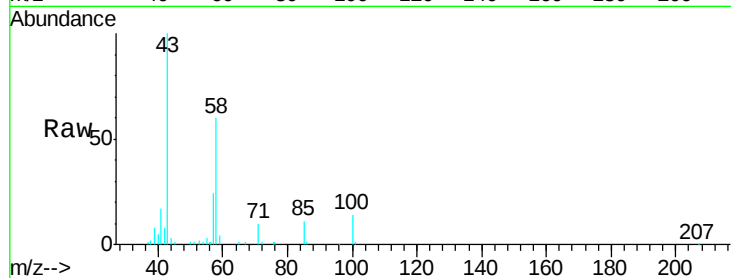




#59
2-Hexanone
Concen: 81.206 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

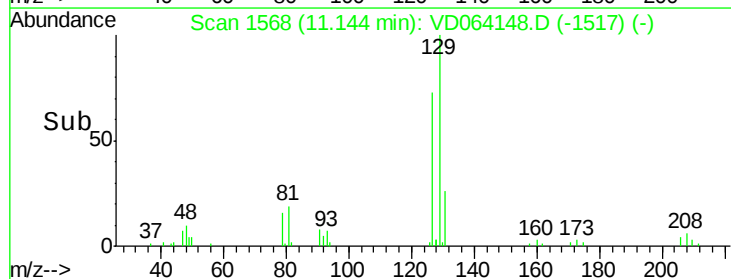
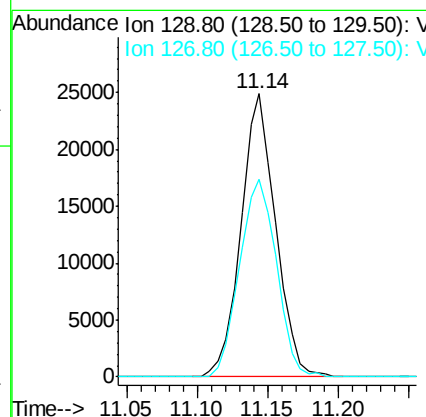
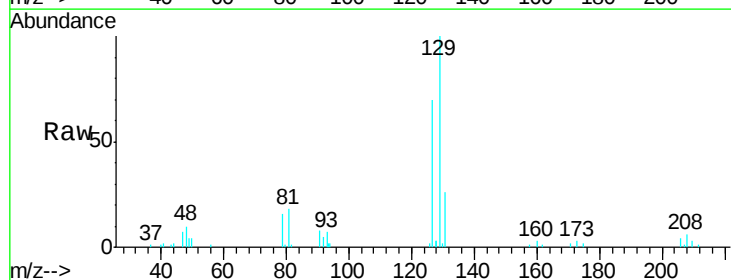
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

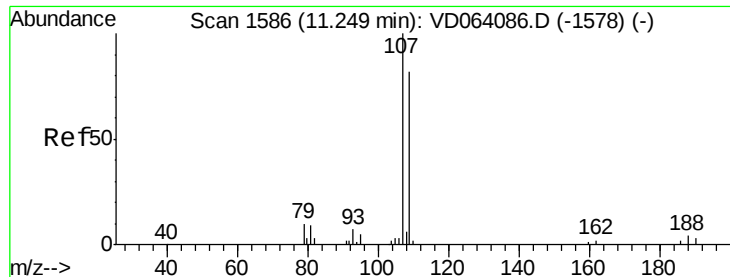
Tgt Ion: 43 Resp: 59316
Ion Ratio Lower Upper
43 100
58 57.5 29.2 87.6



#60
Dibromochloromethane
Concen: 19.508 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion: 129 Resp: 42631
Ion Ratio Lower Upper
129 100
127 74.6 38.3 114.8

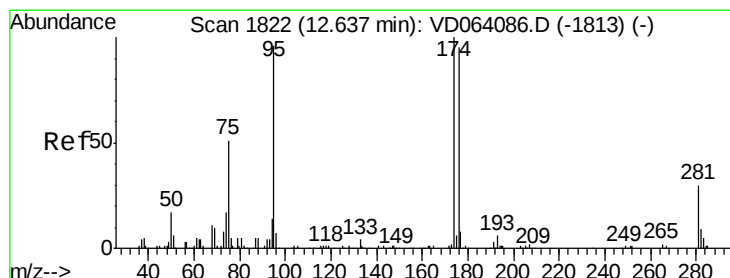
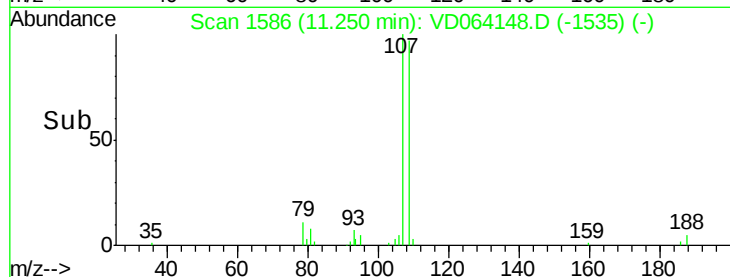
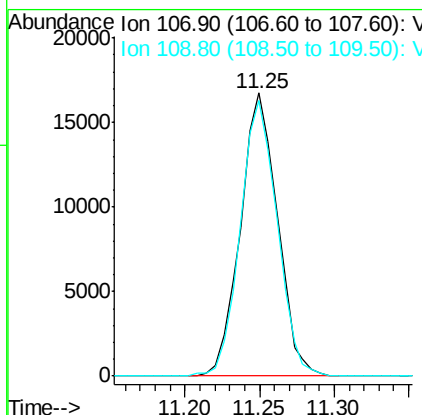
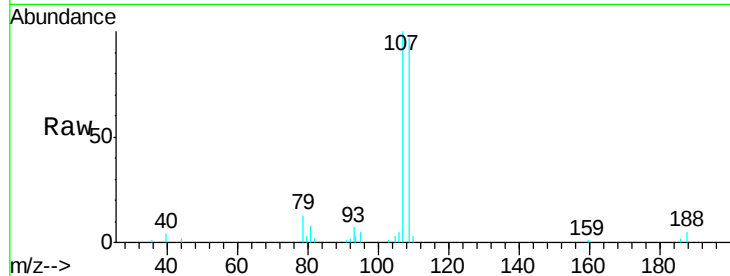




#61
 1,2-Dibromoethane
 Concen: 17.895 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

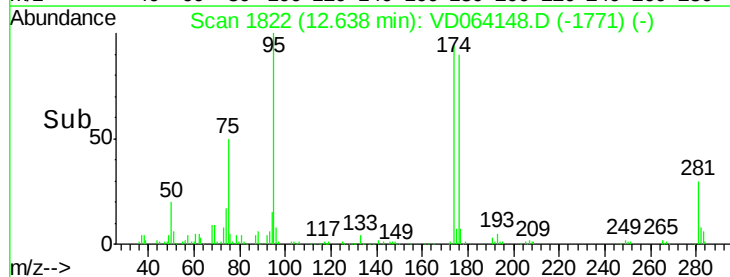
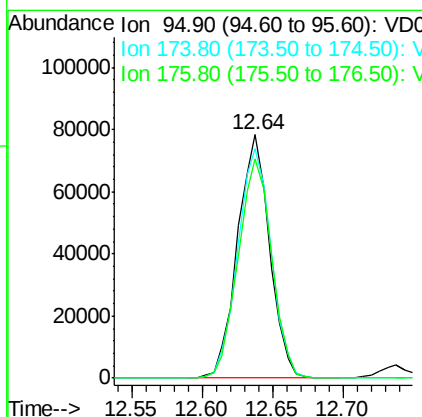
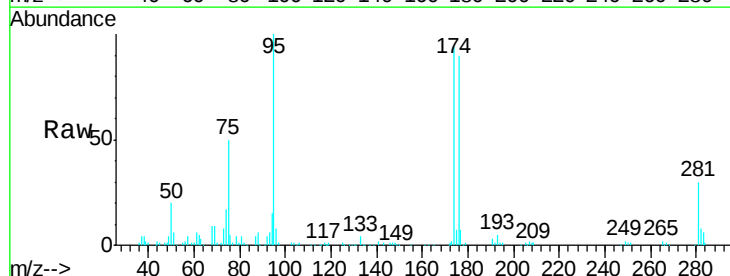
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

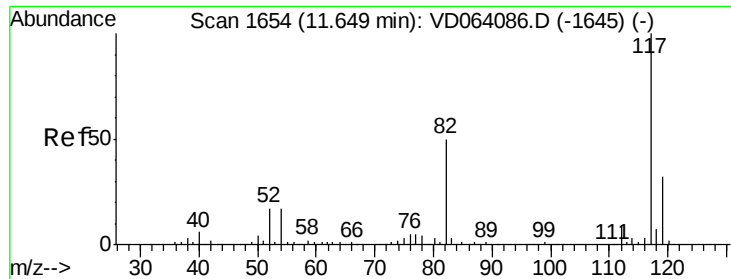
Tgt Ion: 107 Resp: 28816
 Ion Ratio Lower Upper
 107 100
 109 97.0 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 47.741 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 95 Resp: 123995
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 201.6
 176 94.5 0.0 192.6

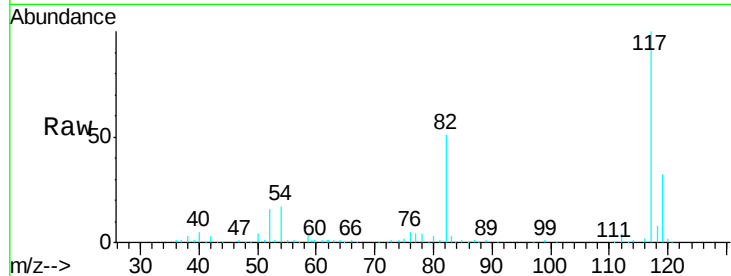




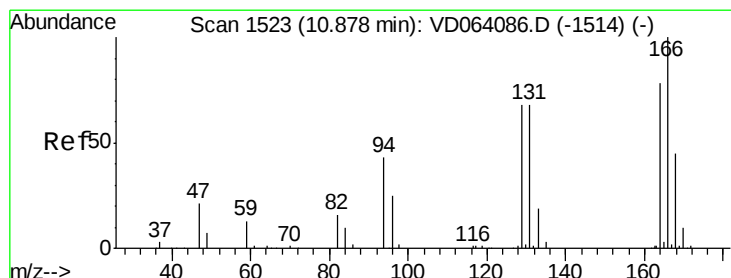
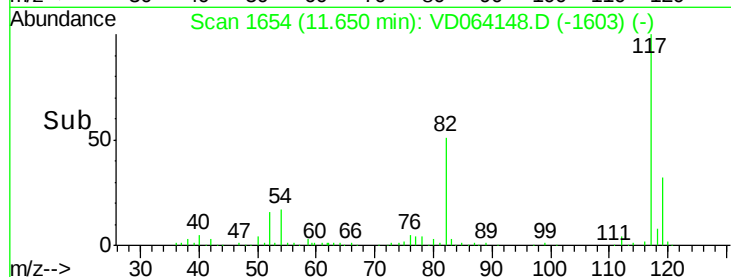
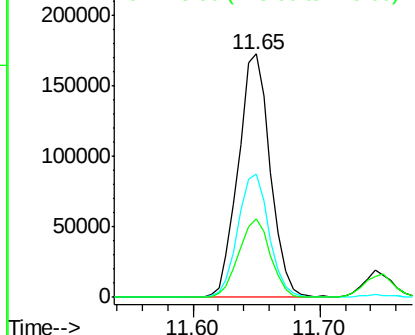
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion:117 Resp: 302197
Ion Ratio Lower Upper
117 100
82 50.7 40.2 60.4
119 32.5 26.0 39.0

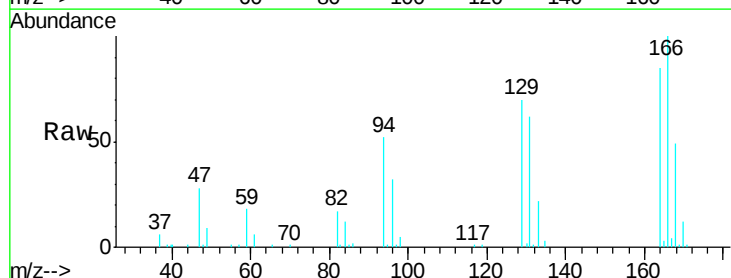


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

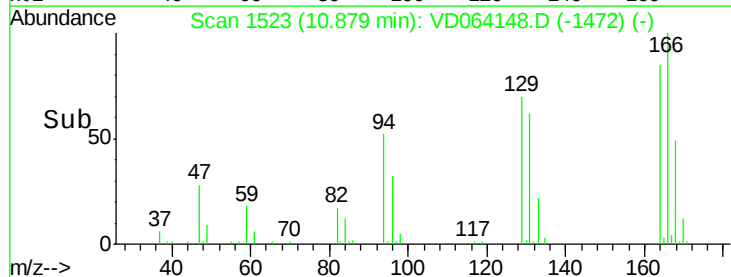
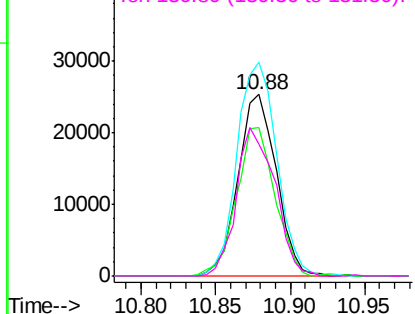


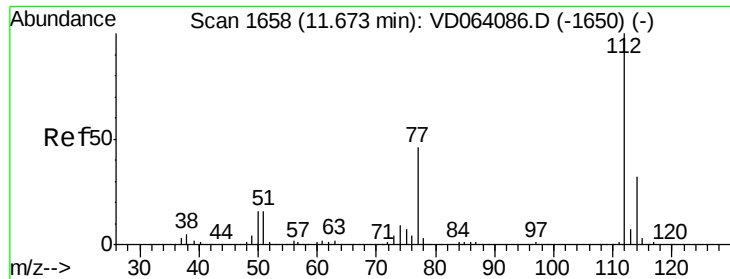
#64
Tetrachloroethene
Concen: 20.743 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion:164 Resp: 45034
Ion Ratio Lower Upper
164 100
166 117.7 102.7 154.1
129 82.1 69.8 104.6
131 72.6 69.4 104.0



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: 20.143 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

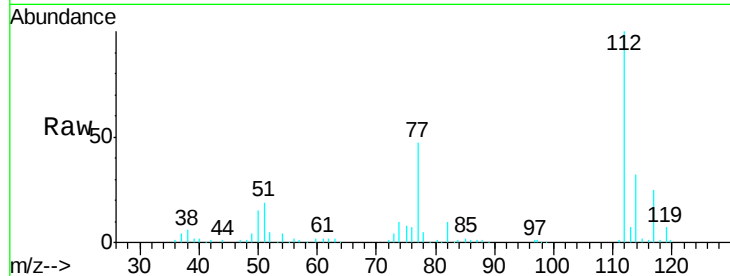
VD1101SBS01

Tgt Ion:112 Resp: 125775

Ion Ratio Lower Upper

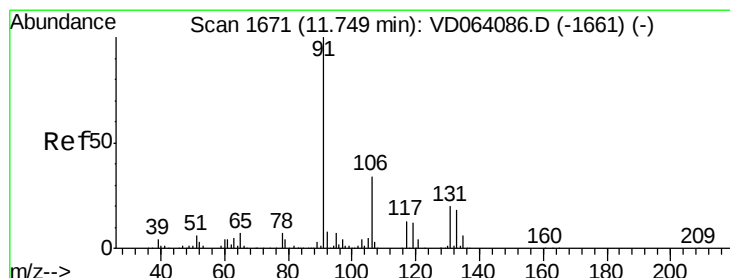
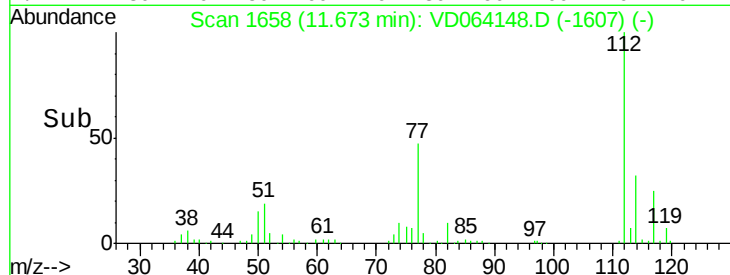
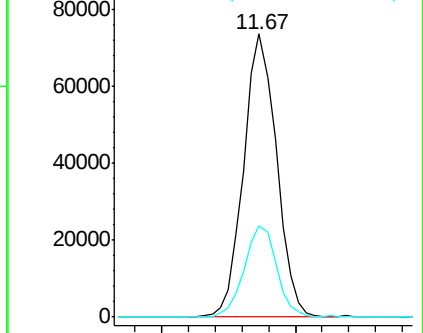
112 100

114 32.1 25.4 38.0



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: 19.468 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

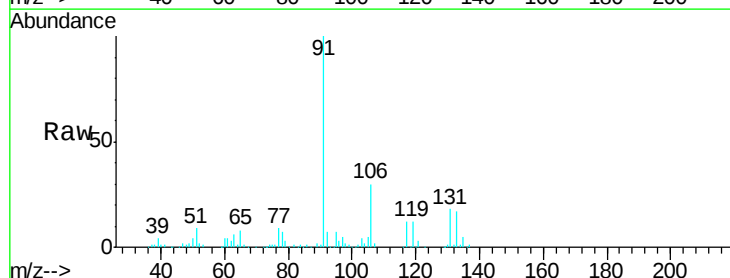
Tgt Ion:131 Resp: 45486

Ion Ratio Lower Upper

131 100

133 94.7 47.6 142.9

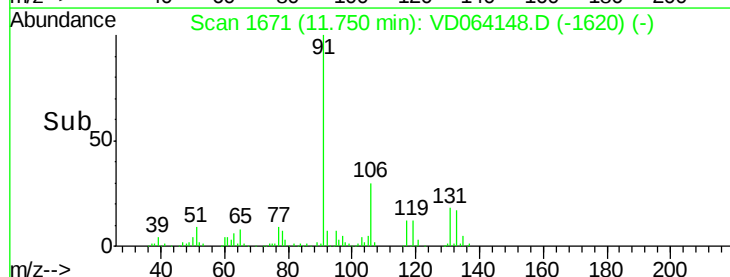
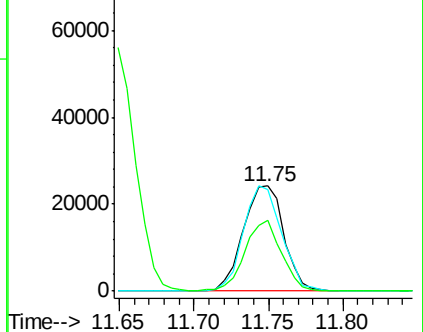
119 60.1 31.4 94.3

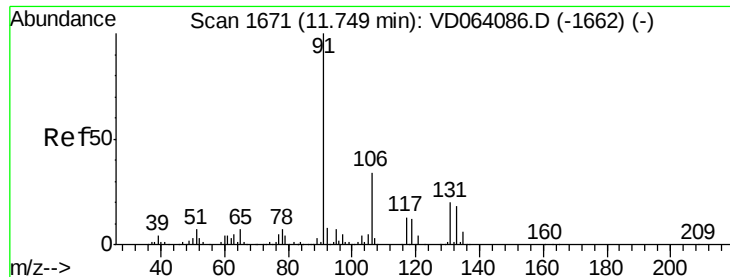


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.374 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

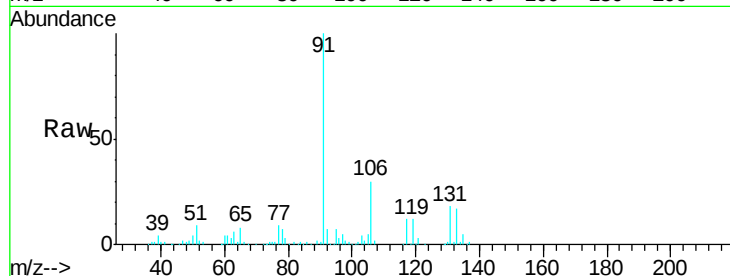
VD1101SBS01

Tgt Ion: 91 Resp: 215165

Ion Ratio Lower Upper

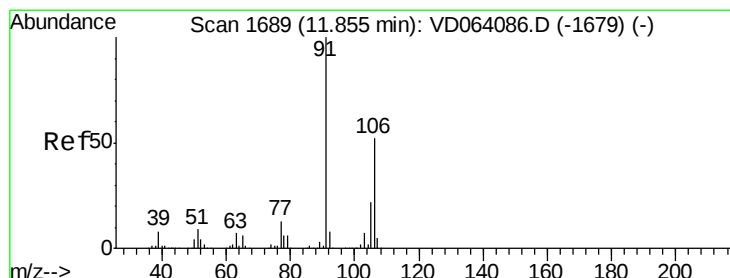
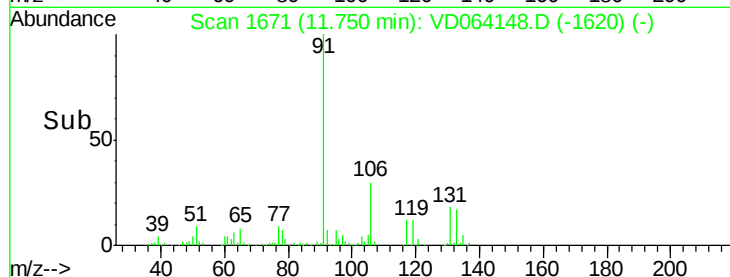
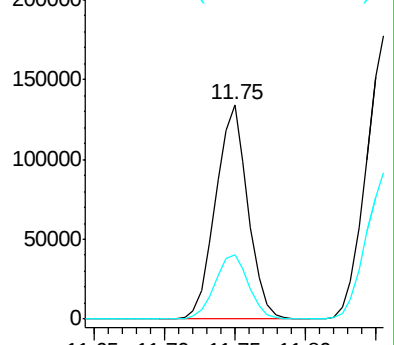
91 100

106 30.2 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.928 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064148.D

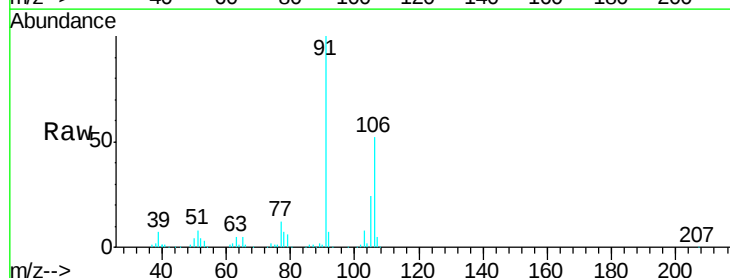
Acq: 01 Nov 2019 13:00

Tgt Ion: 106 Resp: 173899

Ion Ratio Lower Upper

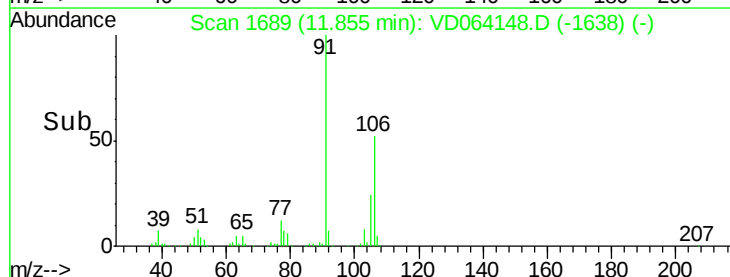
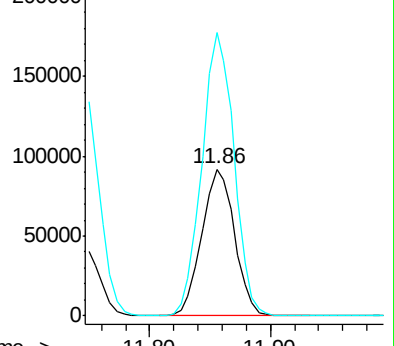
106 100

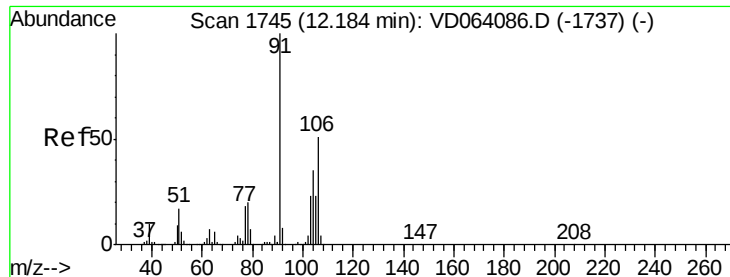
91 189.6 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

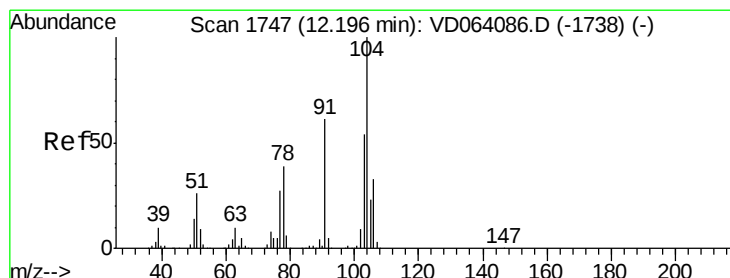
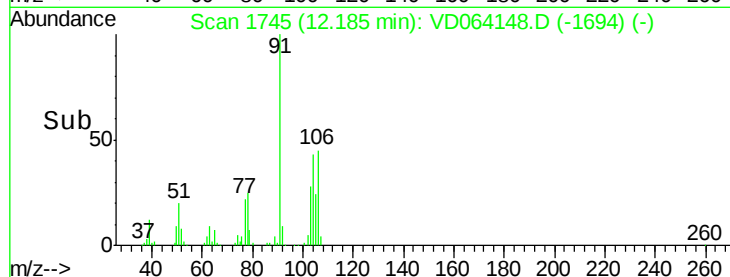
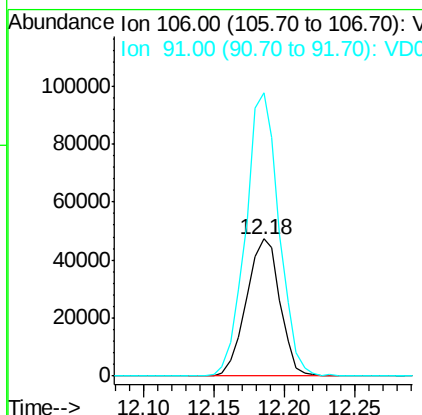
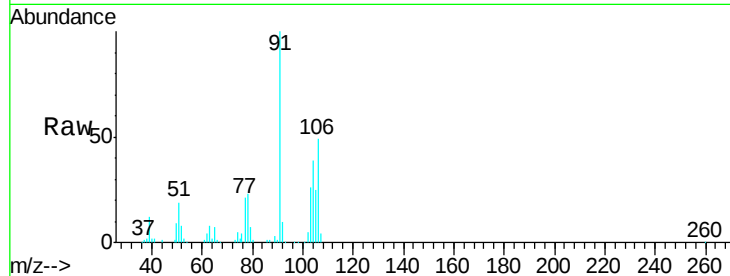




#69
o-Xylene
Concen: 19.442 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

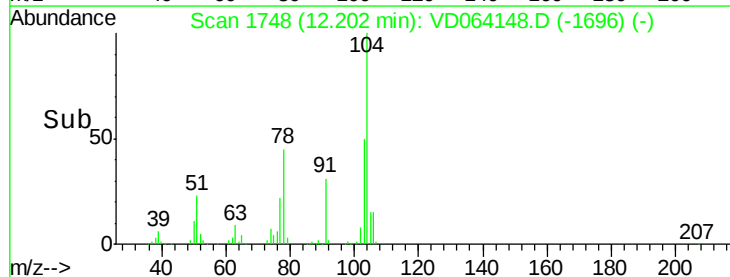
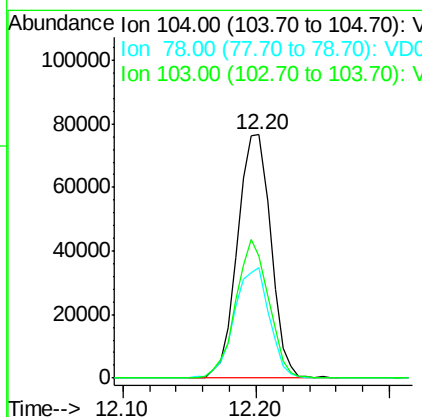
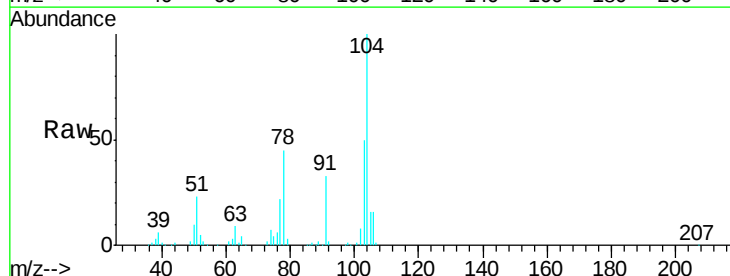
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

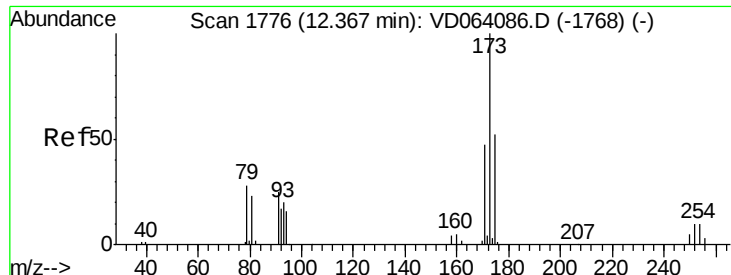
Tgt Ion:106 Resp: 79264
Ion Ratio Lower Upper
106 100
91 204.1 100.6 301.9



#70
Styrene
Concen: 18.914 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion:104 Resp: 132990
Ion Ratio Lower Upper
104 100
78 47.9 34.6 51.8
103 56.3 44.2 66.2





#71

Bromoform

Concen: 18.771 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

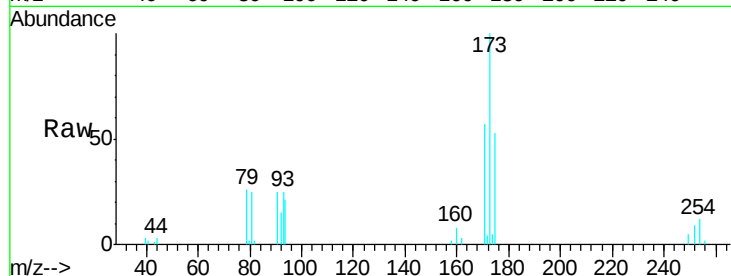
Tgt Ion:173 Resp: 23423

Ion Ratio Lower Upper

173 100

175 47.4 24.3 72.9

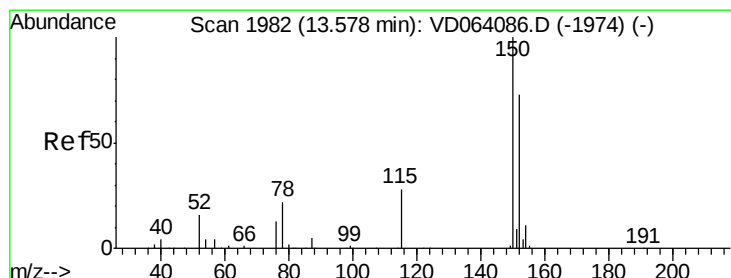
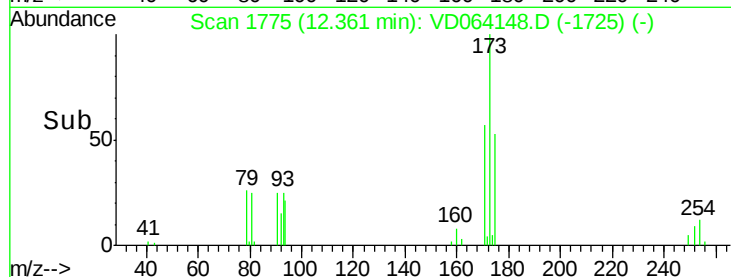
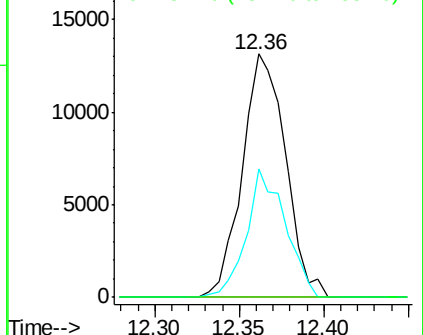
254 0.0 0.0 0.0



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# 1982

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

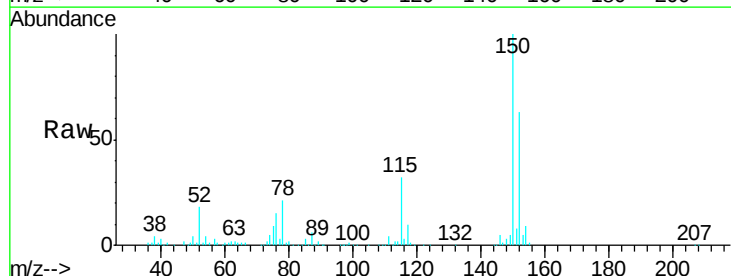
Tgt Ion:152 Resp: 162886

Ion Ratio Lower Upper

152 100

115 53.0 26.2 78.6

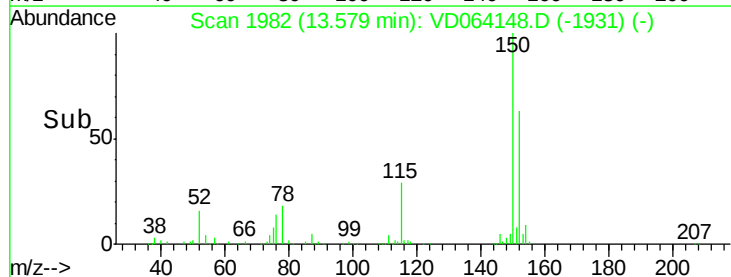
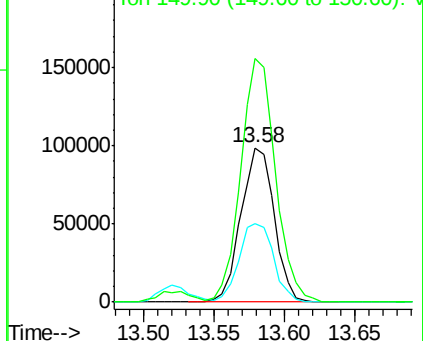
150 164.6 0.0 338.8

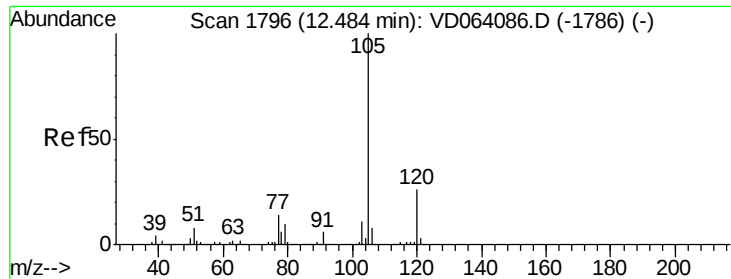


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.721 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

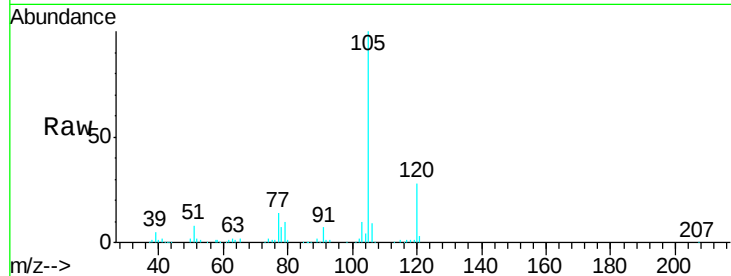
VD1101SBS01

Tgt Ion: 105 Resp: 211905

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

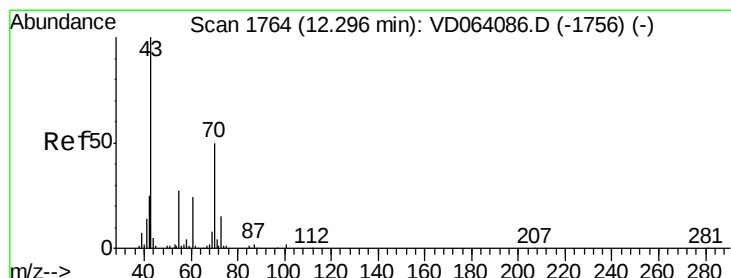
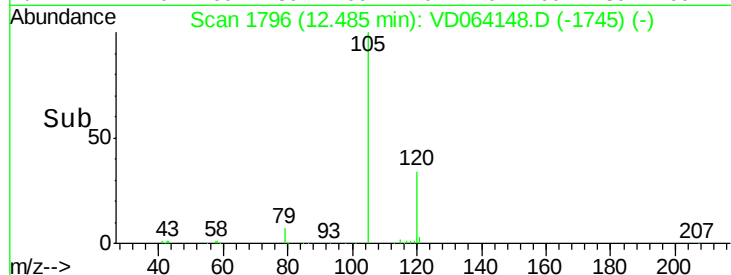
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 17.368 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Tgt Ion: 43 Resp: 32660

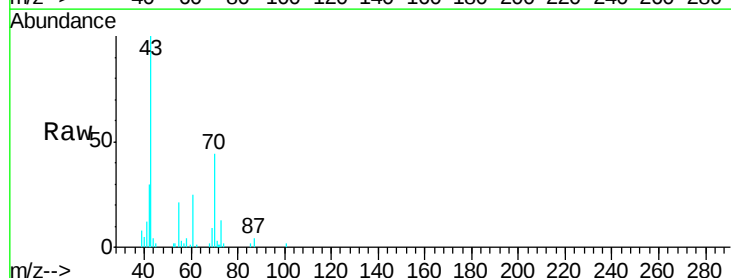
Ion Ratio Lower Upper

43 100

70 46.6 38.6 58.0

55 25.4 20.4 30.6

61 28.7 20.8 31.2



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

30000

25000

20000

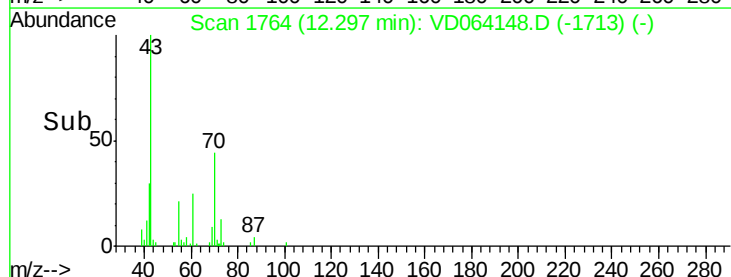
15000

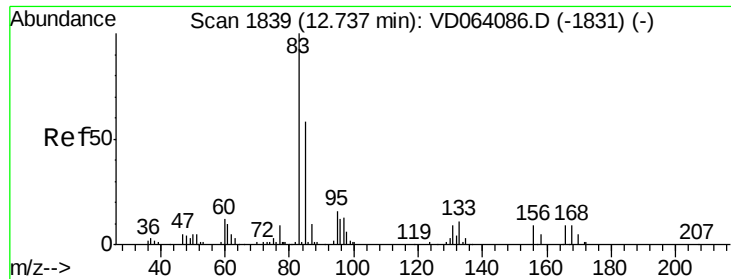
10000

5000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 18.671 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

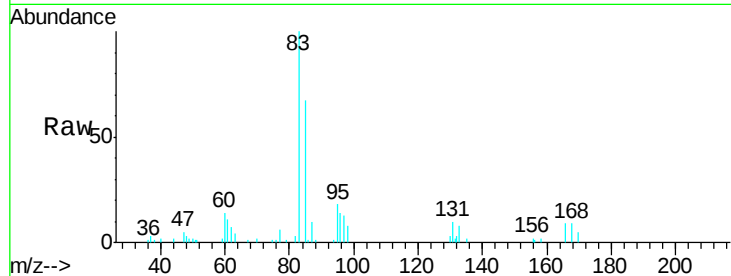
Tgt Ion: 83 Resp: 33311

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.0

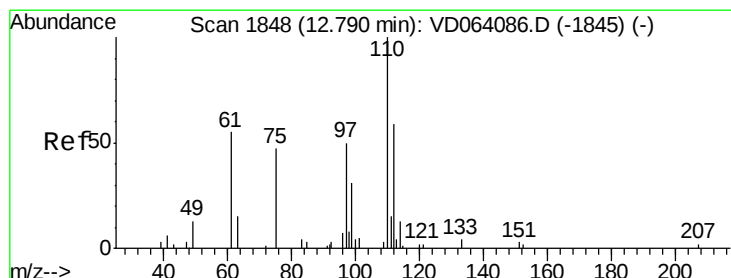
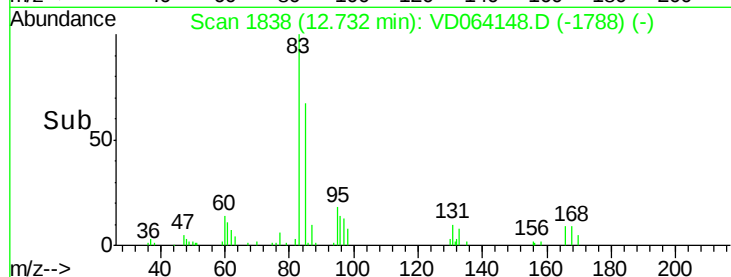
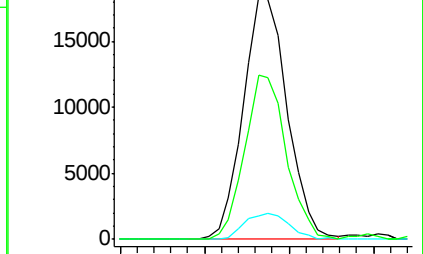
85 63.8 32.1 96.5



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: 36.432 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064148.D

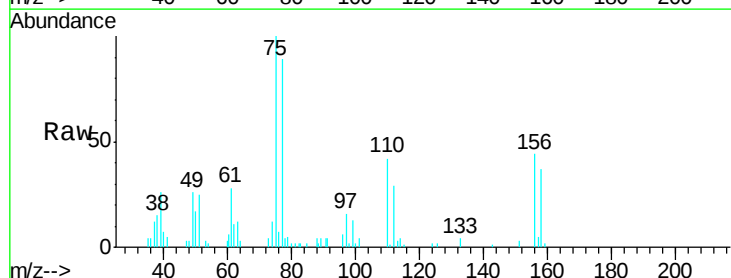
Acq: 01 Nov 2019 13:00

Tgt Ion: 75 Resp: 39875

Ion Ratio Lower Upper

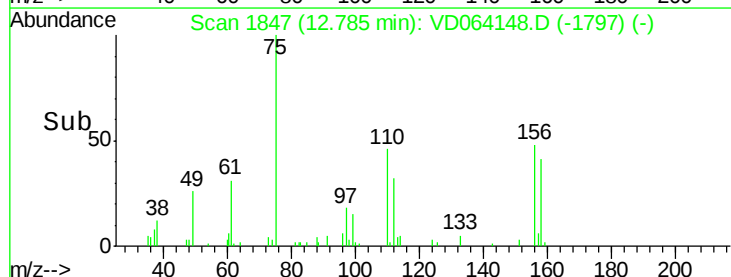
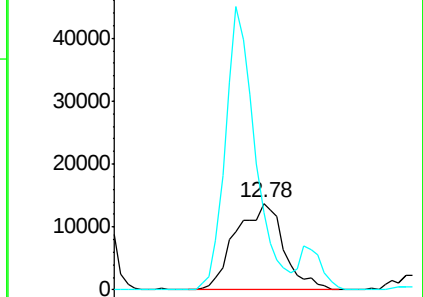
75 100

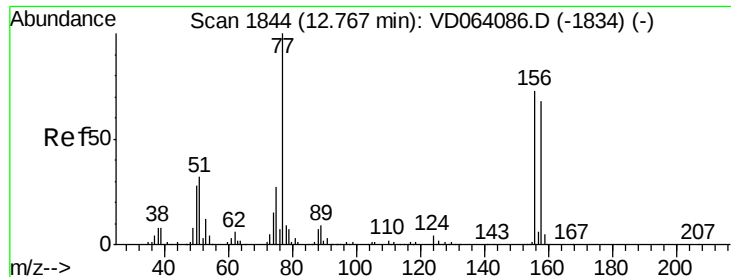
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.471 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

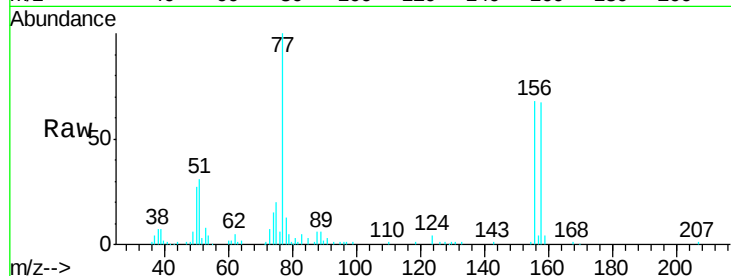
Tgt Ion:156 Resp: 53212

Ion Ratio Lower Upper

156 100

77 151.5 76.0 228.0

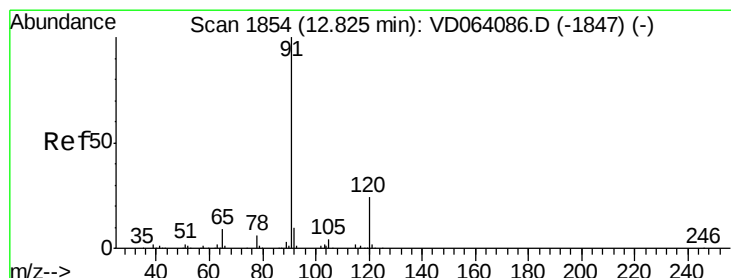
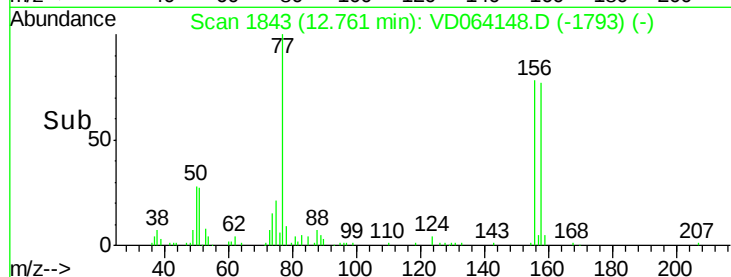
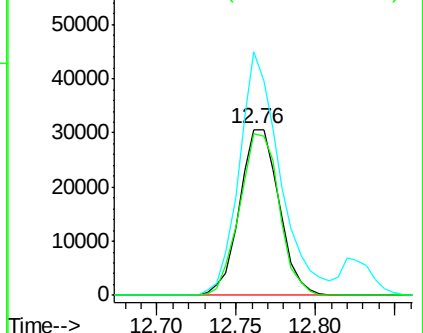
158 97.5 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.267 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064148.D

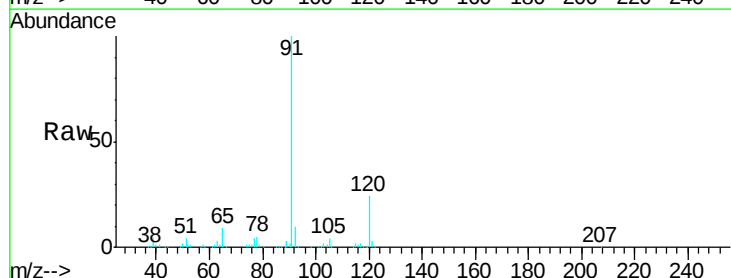
Acq: 01 Nov 2019 13:00

Tgt Ion: 91 Resp: 255575

Ion Ratio Lower Upper

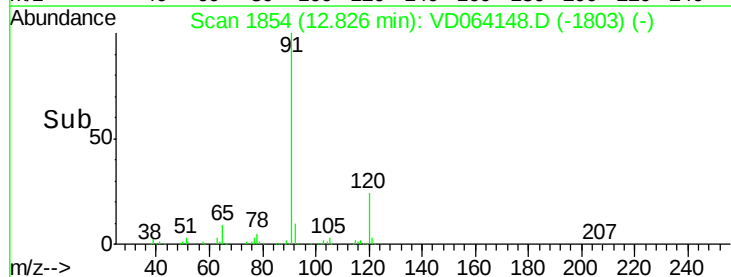
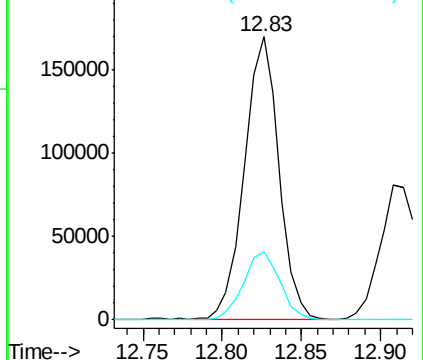
91 100

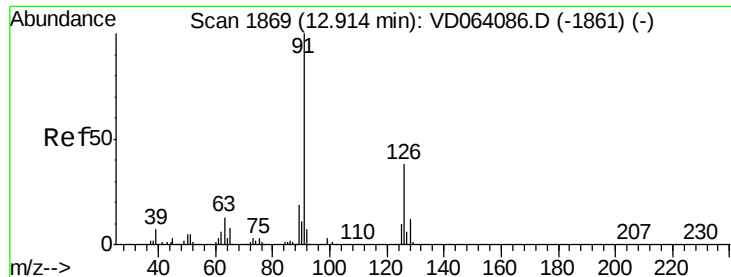
120 25.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.167 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

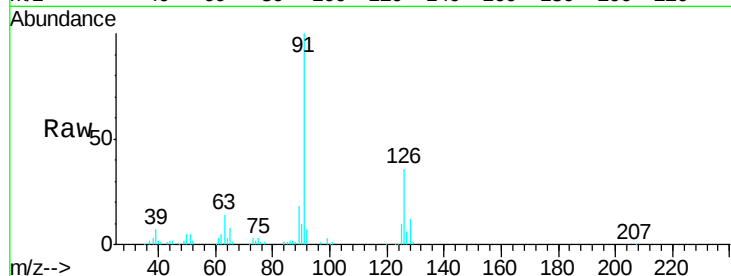
VD1101SBS01

Tgt Ion: 91 Resp: 136284

Ion Ratio Lower Upper

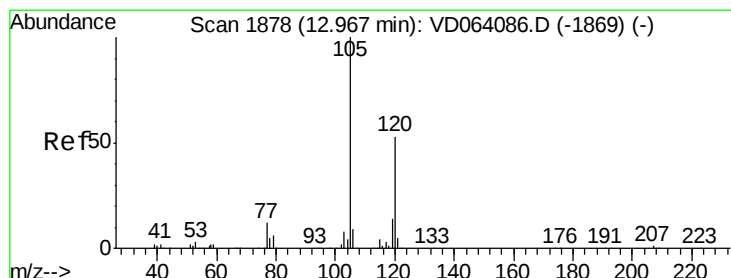
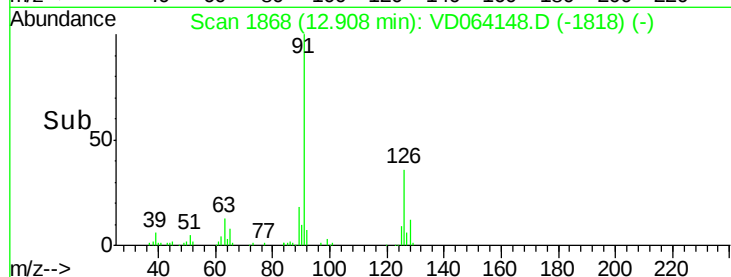
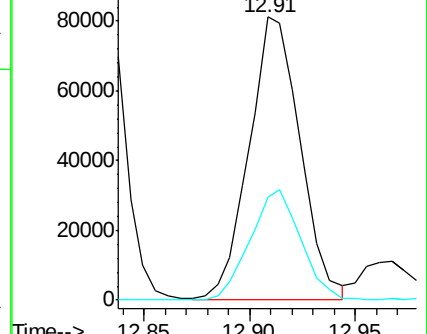
91 100

126 38.7 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.166 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064148.D

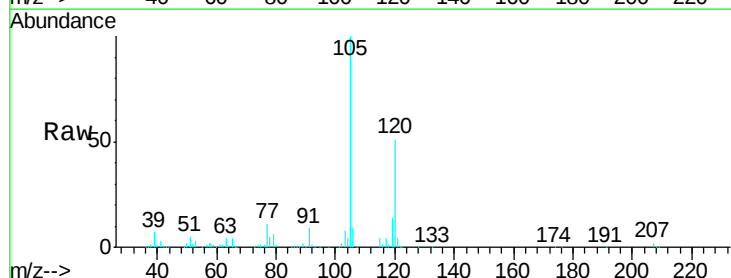
Acq: 01 Nov 2019 13:00

Tgt Ion: 105 Resp: 181564

Ion Ratio Lower Upper

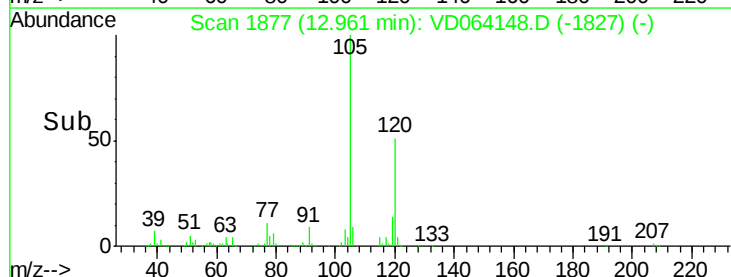
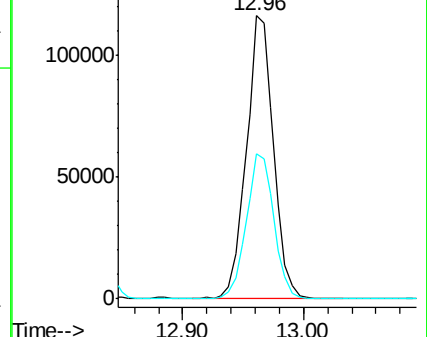
105 100

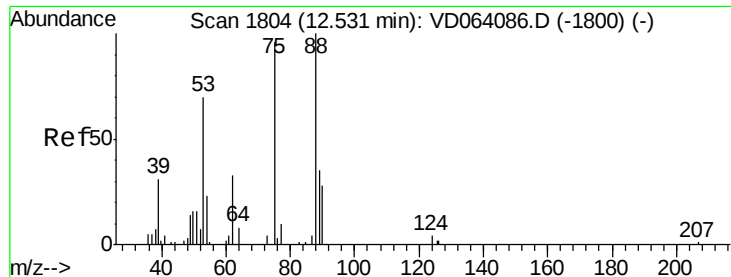
120 51.9 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.801 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

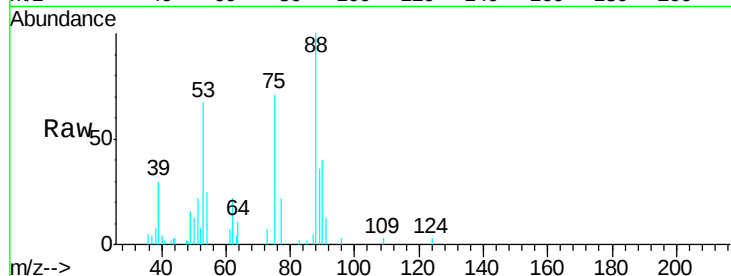
Tgt Ion: 75 Resp: 10076

Ion Ratio Lower Upper

75 100

53 84.9 68.6 103.0

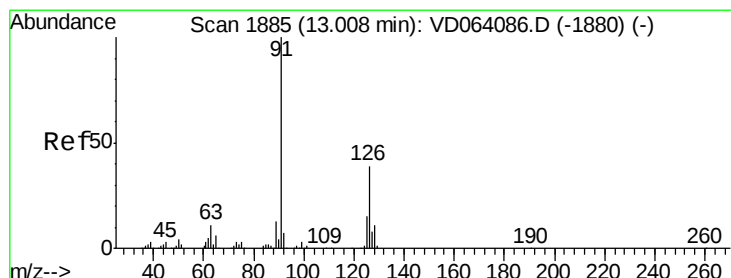
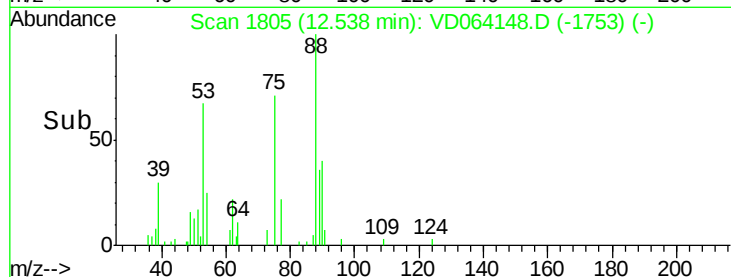
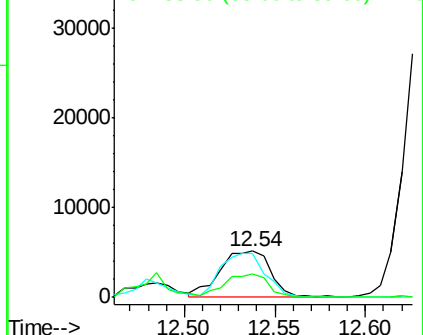
89 42.6 36.9 55.3



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: 19.261 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064148.D

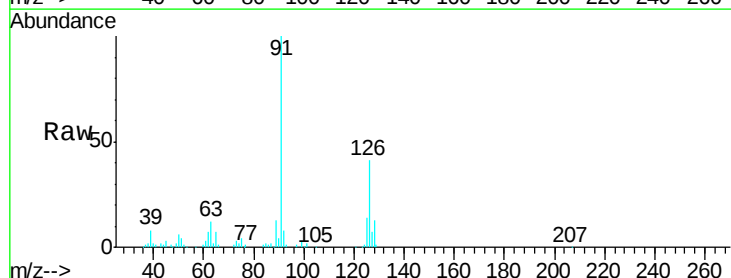
Acq: 01 Nov 2019 13:00

Tgt Ion: 91 Resp: 146339

Ion Ratio Lower Upper

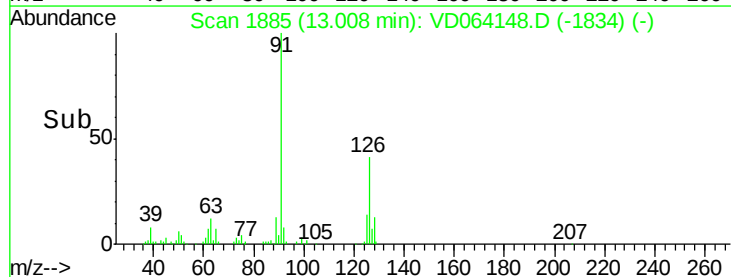
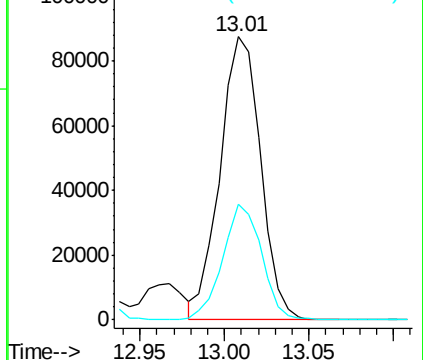
91 100

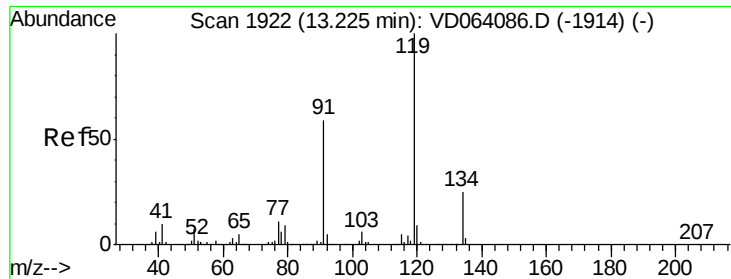
126 39.4 18.9 56.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

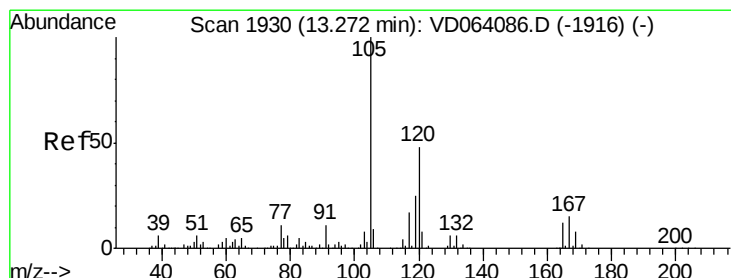
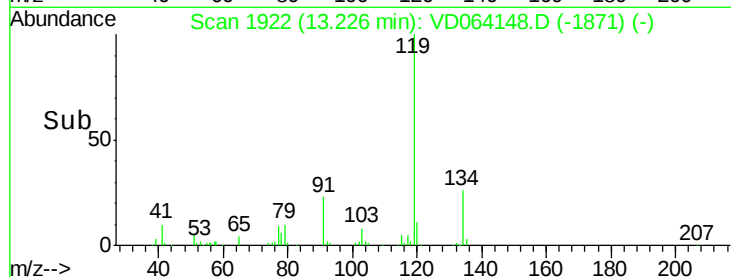
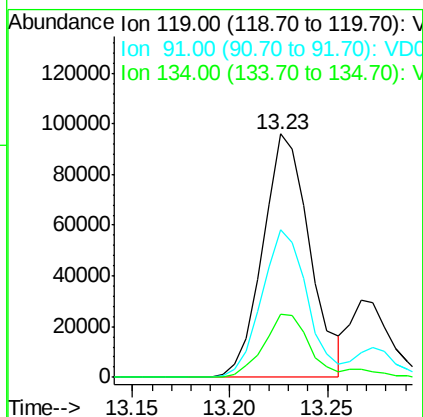
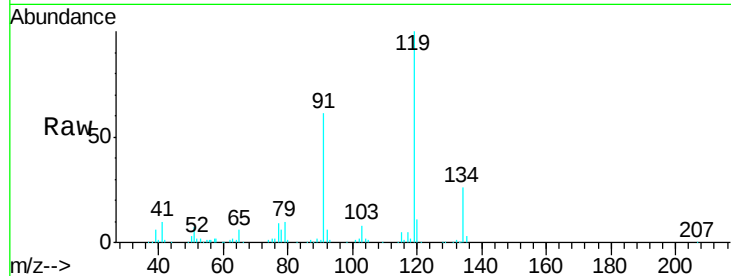




#83
tert-Butylbenzene
Concen: 18.837 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

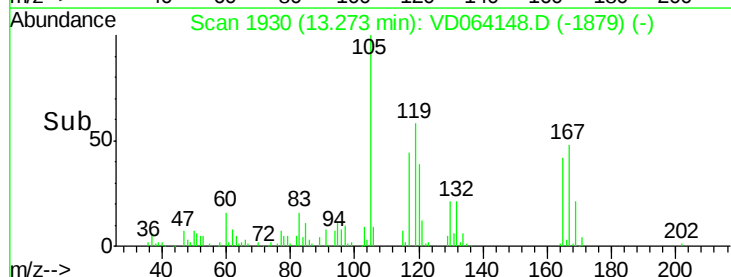
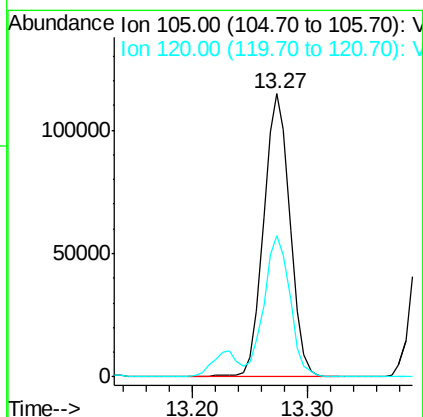
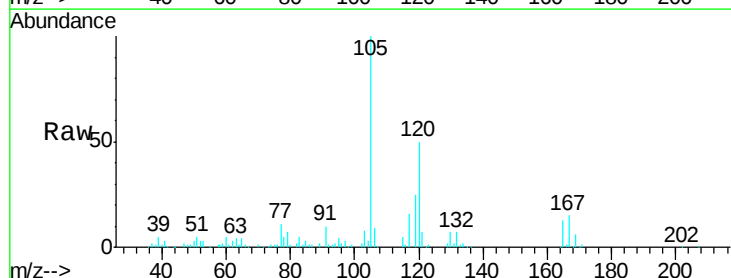
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

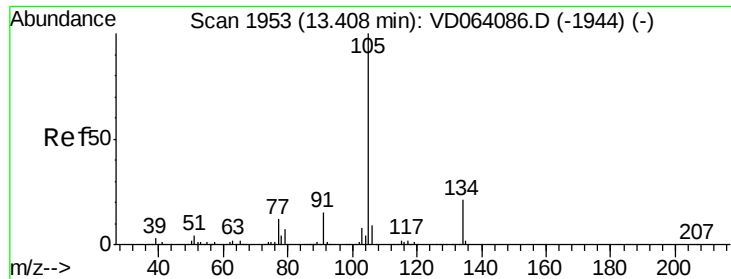
Tgt Ion:119 Resp: 160273
Ion Ratio Lower Upper
119 100
91 58.7 28.3 85.0
134 27.6 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 19.212 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064148.D
Acq: 01 Nov 2019 13:00

Tgt Ion:105 Resp: 182824
Ion Ratio Lower Upper
105 100
120 49.4 24.1 72.4





#85

sec-Butylbenzene

Concen: 19.172 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

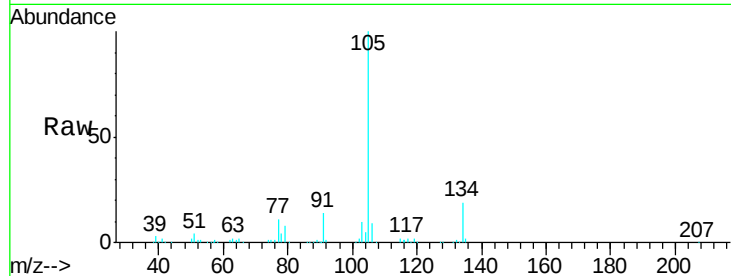
VD1101SBS01

Tgt Ion:105 Resp: 224012

Ion Ratio Lower Upper

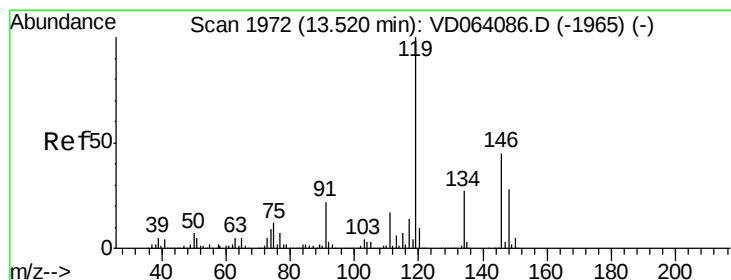
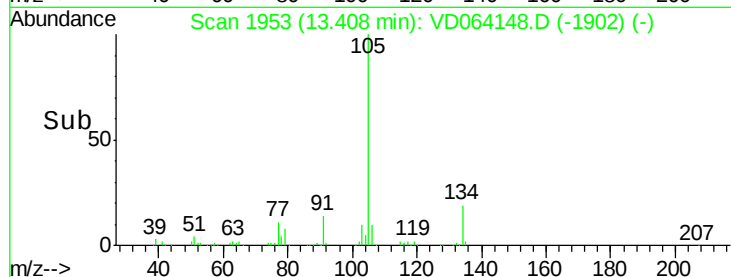
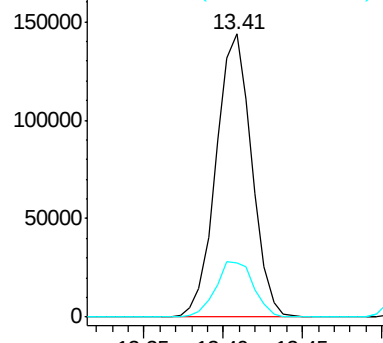
105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.321 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

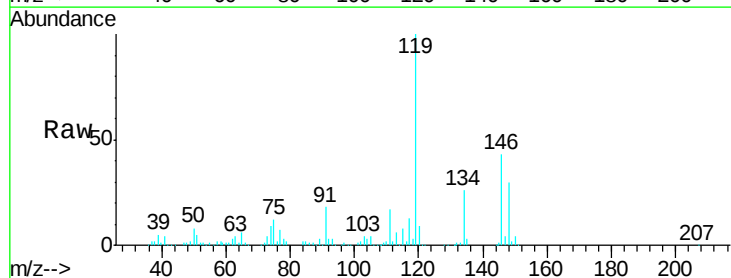
Tgt Ion:119 Resp: 212116

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

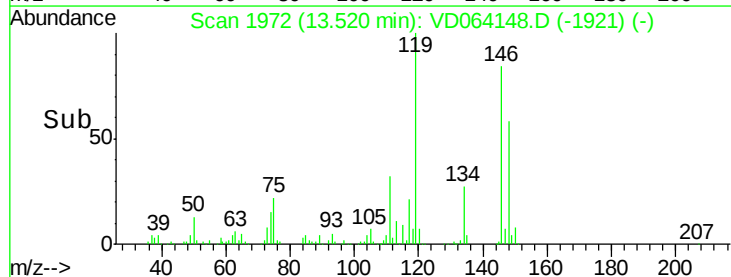
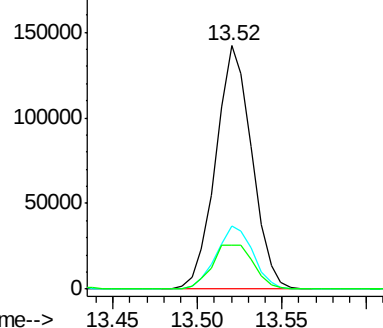
91 20.9 10.9 32.6

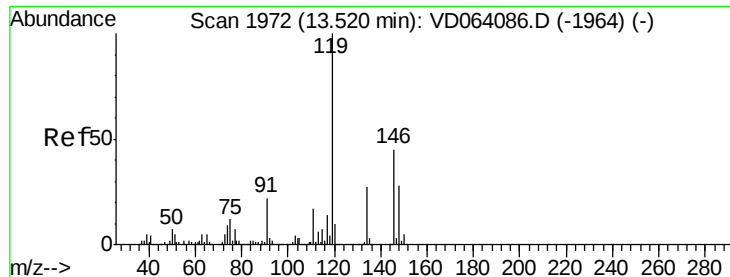


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

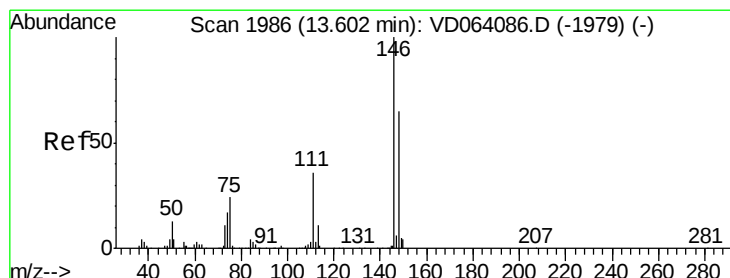
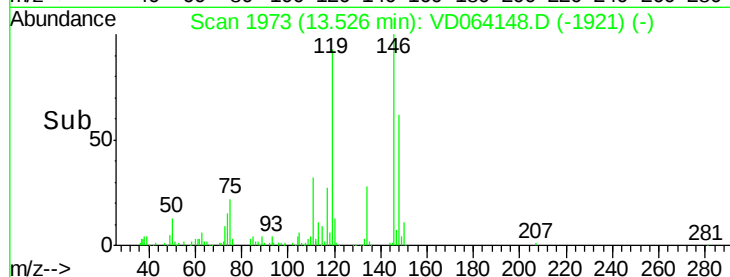
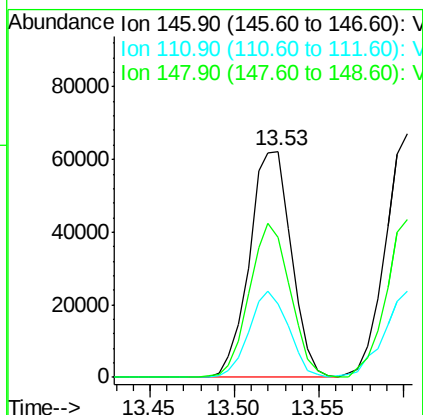
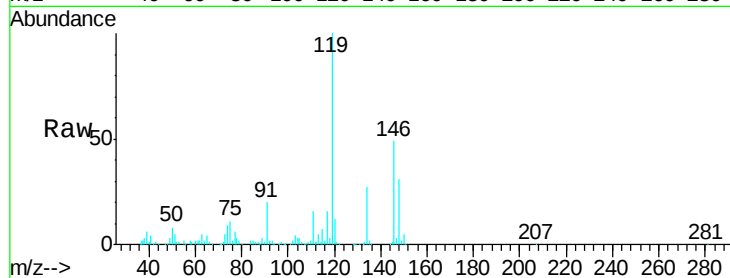




#87
 1,3-Dichlorobenzene
 Concen: 19.619 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

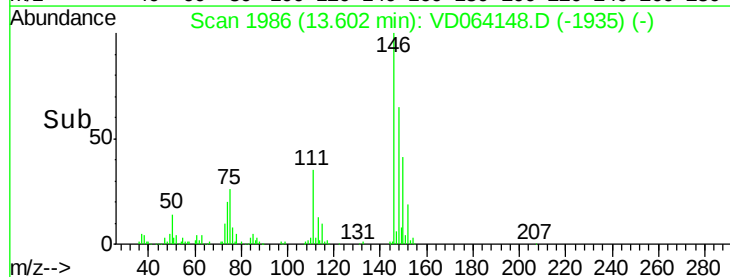
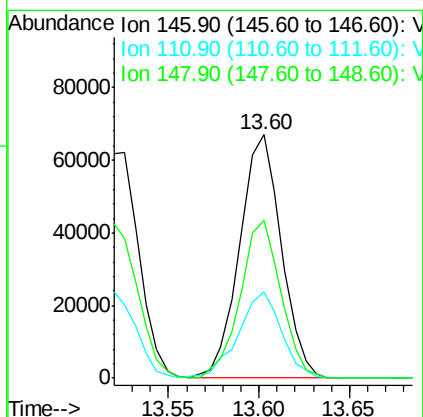
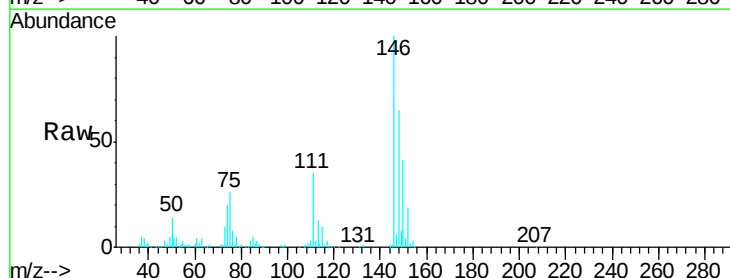
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

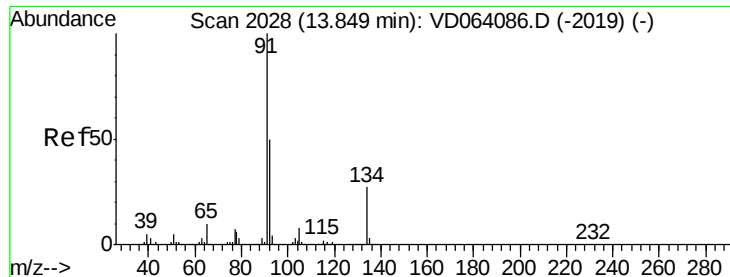
Tgt Ion:146 Resp: 107445
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.9 56.9
 148 66.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.868 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion:146 Resp: 107265
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.4 55.4
 148 63.1 32.4 97.0





#89

n-Butylbenzene

Concen: 18.594 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

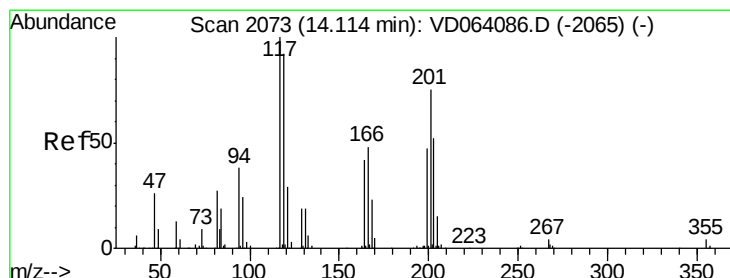
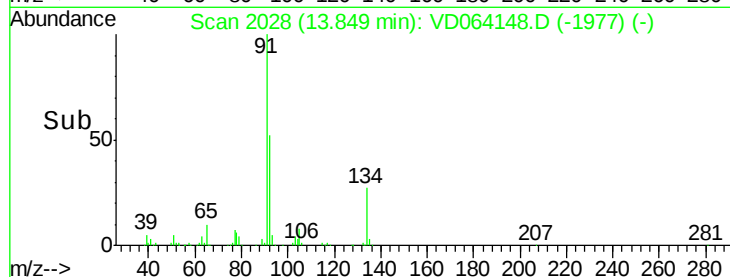
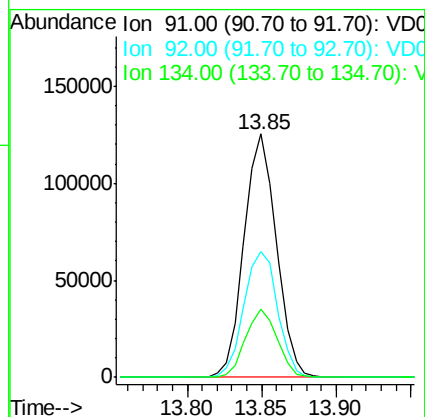
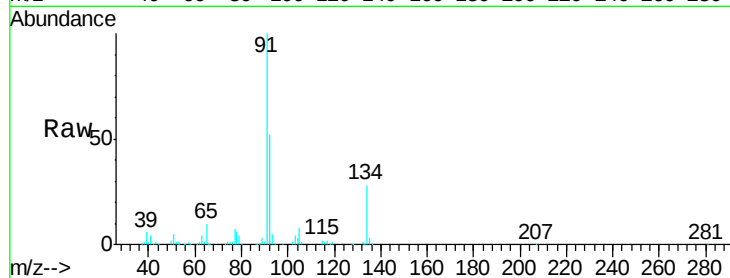
Tgt Ion: 91 Resp: 188283

Ion Ratio Lower Upper

91 100

92 53.6 25.6 76.6

134 27.5 14.0 42.0



#90

Hexachloroethane

Concen: 19.376 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD064148.D

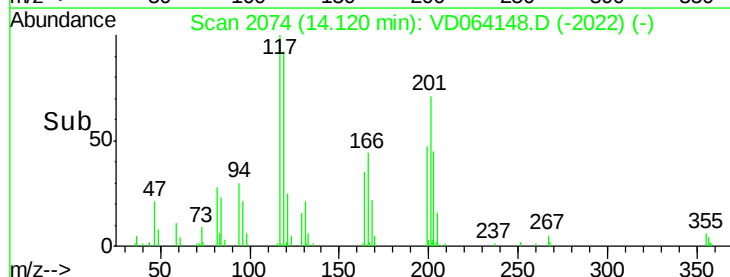
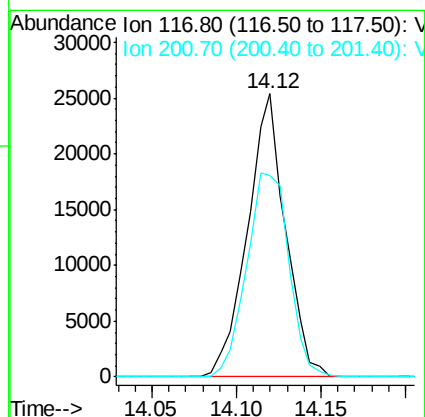
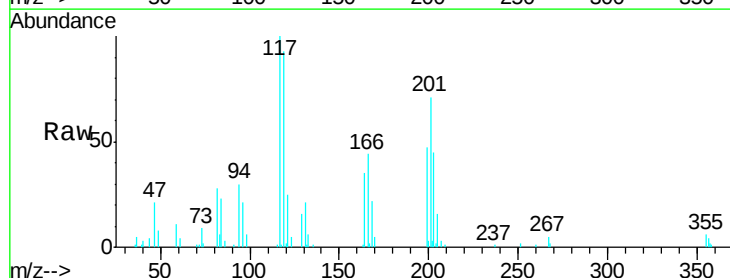
Acq: 01 Nov 2019 13:00

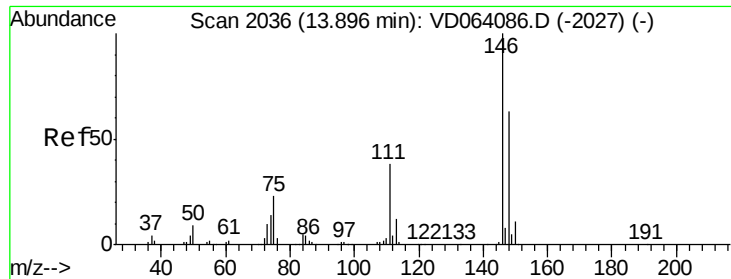
Tgt Ion: 117 Resp: 39827

Ion Ratio Lower Upper

117 100

201 80.0 38.4 115.2

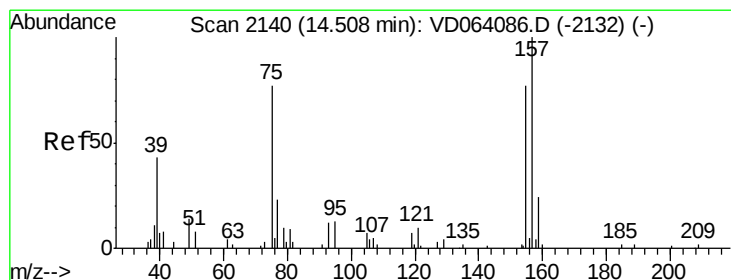
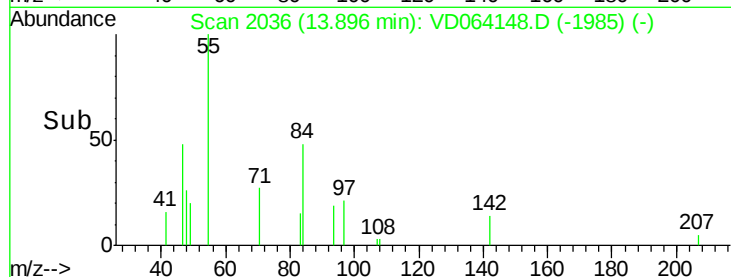
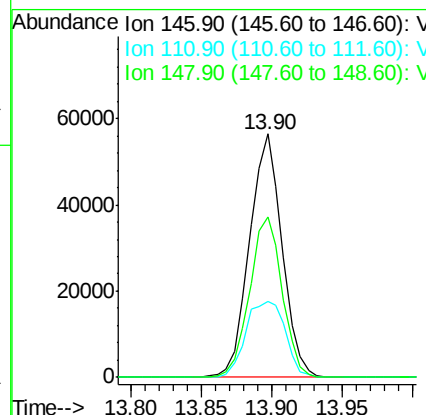
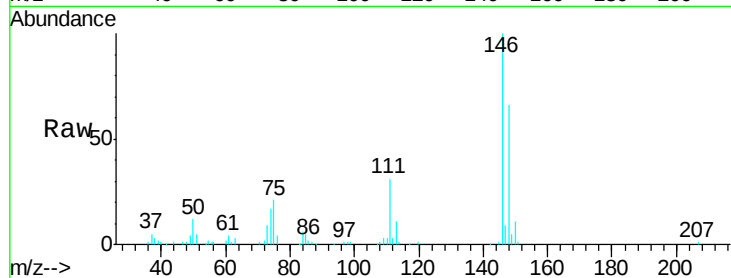




#91
 1,2-Dichlorobenzene
 Concen: 19.367 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

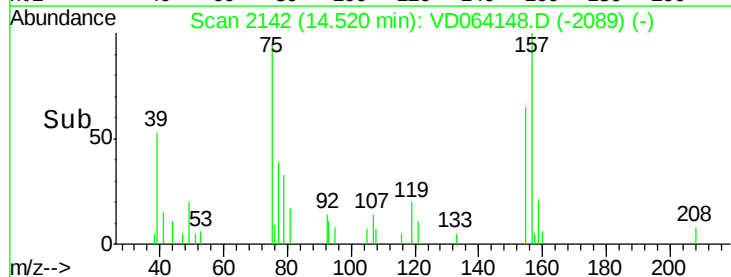
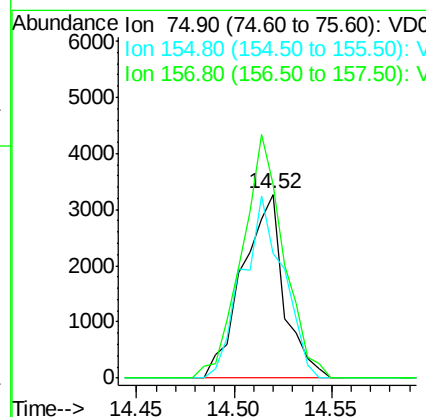
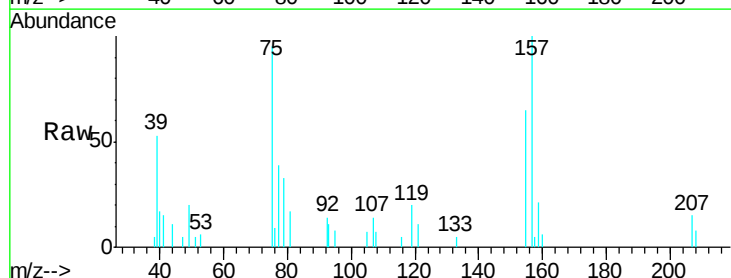
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

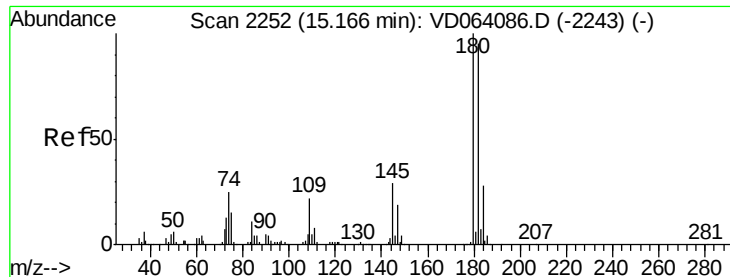
Tgt Ion:146 Resp: 91282
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.1
 148 66.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.452 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion: 75 Resp: 4808
 Ion Ratio Lower Upper
 75 100
 155 98.7 56.3 168.9
 157 133.7 72.2 216.6

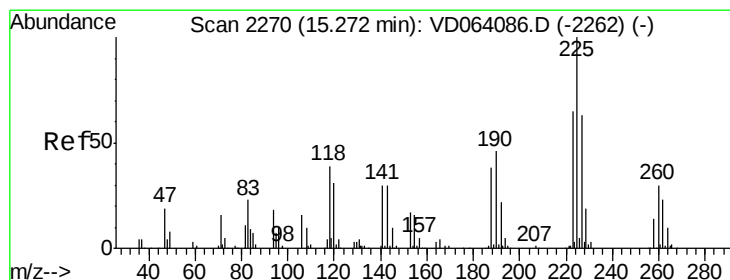
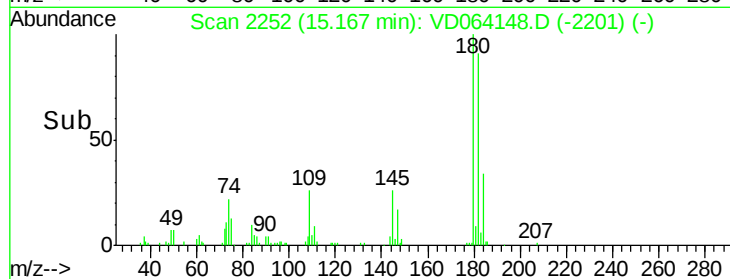
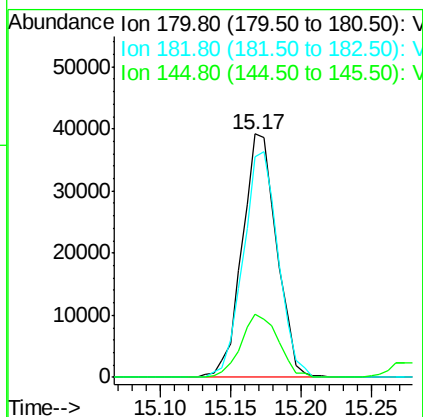
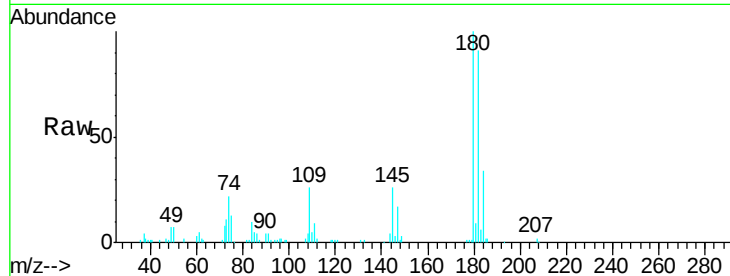




#93
 1,2,4-Trichlorobenzene
 Concen: 19.842 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

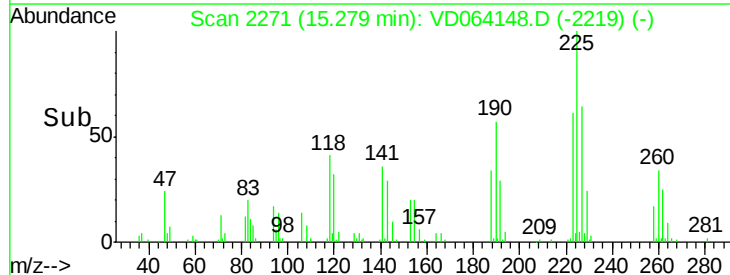
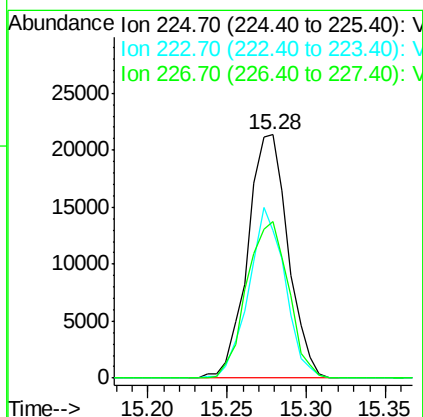
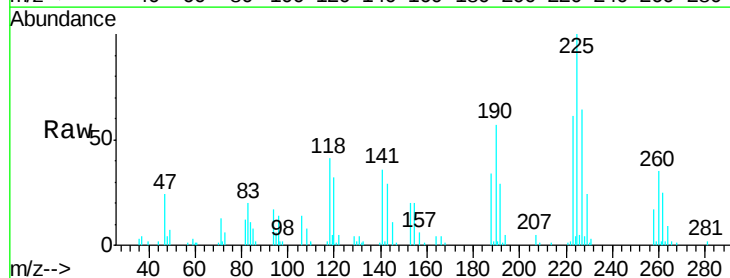
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

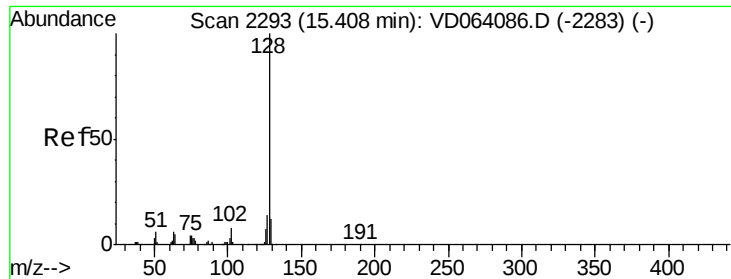
Tgt Ion:180 Resp: 67223
 Ion Ratio Lower Upper
 180 100
 182 93.4 46.9 140.7
 145 28.1 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 19.116 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064148.D
 Acq: 01 Nov 2019 13:00

Tgt Ion:225 Resp: 37851
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.8 92.3
 227 66.6 31.7 95.1





#95

Naphthalene

Concen: 18.126 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

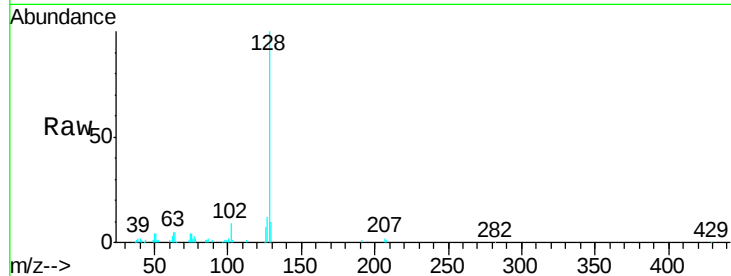
Tgt Ion:128 Resp: 100153

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

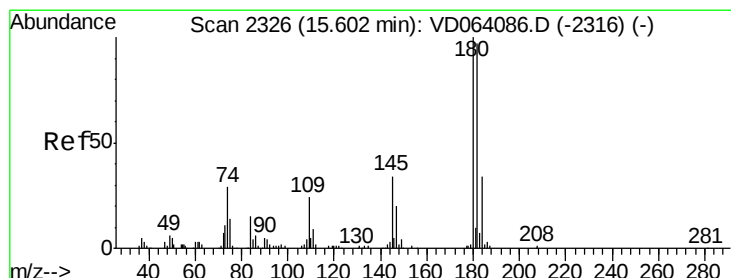
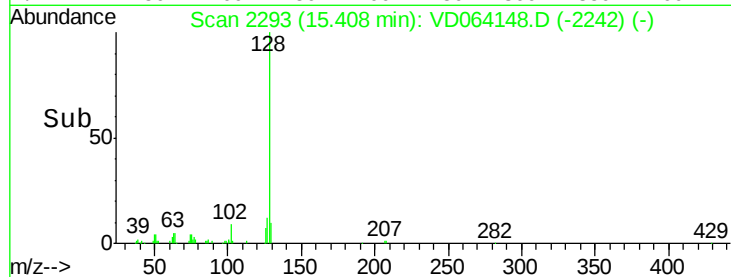
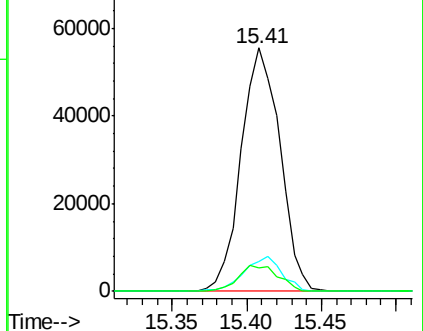
129 11.2 8.8 13.2



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: 19.604 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064148.D

Acq: 01 Nov 2019 13:00

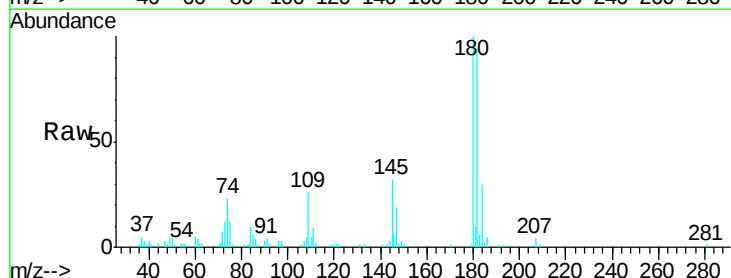
Tgt Ion:180 Resp: 57529

Ion Ratio Lower Upper

180 100

182 90.7 48.4 145.0

145 31.5 16.4 49.4



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

