

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
 Data File : VD065047.D
 Acq On : 03 Feb 2020 11:52
 Operator : VA/SY
 Sample : VD0203SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBSD01

Quant Time: Feb 03 12:51:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	484434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	698623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	621571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296602	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	237603	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	7.92	113	233355	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.34	98	907064	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	282370	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	81774	22.41	ug/l	95
3) Chloromethane	2.21	50	113491	21.22	ug/l	96
4) Vinyl Chloride	2.35	62	125534	20.43	ug/l	96
5) Bromomethane	2.76	94	83009	20.09	ug/l	96
6) Chloroethane	2.92	64	82608	20.40	ug/l	97
7) Trichlorofluoromethane	3.27	101	197055	20.77	ug/l	99
8) Diethyl Ether	3.71	74	44602	20.82	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99286	22.49	ug/l	97
10) Methyl Iodide	4.29	142	98512	21.02	ug/l	98
11) Tert butyl alcohol	5.25	59	30875	120.24	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	93602	22.20	ug/l	98
13) Acrolein	3.92	56	24698	76.72	ug/l	94
14) Allyl chloride	4.71	41	151230	22.49	ug/l	97
15) Acrylonitrile	5.43	53	99687	107.48	ug/l	99
16) Acetone	4.17	43	101441	91.42	ug/l	98
17) Carbon Disulfide	4.40	76	298504	21.51	ug/l	98
18) Methyl Acetate	4.72	43	50307	23.12	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	198744	21.09	ug/l	92
20) Methylene Chloride	4.96	84	129264	25.47	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	108310	22.29	ug/l	98
22) Diisopropyl ether	6.37	45	297659	22.21	ug/l	96
23) Vinyl Acetate	6.31	43	806471	102.77	ug/l	99
24) 1,1-Dichloroethane	6.27	63	184758	22.45	ug/l	96
25) 2-Butanone	7.23	43	128960	102.72	ug/l	95
26) 2,2-Dichloropropane	7.21	77	167773	22.48	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112030	21.60	ug/l	97
28) Bromochloromethane	7.56	49	57929	17.60	ug/l	100
29) Tetrahydrofuran	7.57	42	81521	105.25	ug/l	97
30) Chloroform	7.71	83	186079	21.87	ug/l	98
31) Cyclohexane	7.98	56	171113	21.14	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	179260	22.65	ug/l	100
36) 1,1-Dichloropropene	8.11	75	150745	22.38	ug/l	99
37) Ethyl Acetate	7.30	43	61097	21.96	ug/l	99
38) Carbon Tetrachloride	8.10	117	157100	22.06	ug/l	97

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 Sample : VD0203SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0203SBS01

Quant Time: Feb 03 12:51:00 2020
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 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173412	22.02	ug/l	94
40) Benzene	8.36	78	416289	22.44	ug/l	98
41) Methacrylonitrile	7.53	41	32071	21.39	ug/l	89
42) 1,2-Dichloroethane	8.43	62	123520	22.35	ug/l	100
43) Isopropyl Acetate	8.46	43	110094	20.83	ug/l	99
44) Trichloroethene	9.11	130	116726	22.48	ug/l	99
45) 1,2-Dichloropropane	9.39	63	102320	22.75	ug/l	99
46) Dibromomethane	9.48	93	55133	22.45	ug/l	94
47) Bromodichloromethane	9.67	83	143643	22.48	ug/l #	96
48) Methyl methacrylate	9.46	41	50423	20.73	ug/l	94
49) 1,4-Dioxane	9.47	88	11494	403.58	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	279058	105.51	ug/l	98
52) Toluene	10.41	92	267076	22.33	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	131721	21.64	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	154836	21.73	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	73664	22.27	ug/l	96
56) Ethyl methacrylate	10.67	69	83549	21.12	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122931	21.67	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	128232	97.58	ug/l	97
59) 2-Hexanone	10.99	43	187564	102.81	ug/l	99
60) Dibromochloromethane	11.14	129	96105	21.74	ug/l	100
61) 1,2-Dibromoethane	11.26	107	68881	21.63	ug/l	97
64) Tetrachloroethene	10.88	164	101098	22.51	ug/l	96
65) Chlorobenzene	11.68	112	279327	22.13	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	102820	21.66	ug/l	99
67) Ethyl Benzene	11.75	91	499404	22.29	ug/l	99
68) m/p-Xylenes	11.86	106	383504	44.46	ug/l	99
69) o-Xylene	12.18	106	168622	22.02	ug/l	97
70) Styrene	12.20	104	296340	21.73	ug/l	98
71) Bromoform	12.37	173	57683	21.86	ug/l #	97
73) Isopropylbenzene	12.48	105	464279	22.90	ug/l	99
74) N-amyl acetate	12.30	43	97760	21.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75135	22.05	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	101915	41.40	ug/l #	100
77) Bromobenzene	12.77	156	113095	22.80	ug/l	100
78) n-propylbenzene	12.83	91	561121	23.27	ug/l	99
79) 2-Chlorotoluene	12.91	91	307085	23.22	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	381423	22.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25081	21.75	ug/l	98
82) 4-Chlorotoluene	13.01	91	320140	22.82	ug/l	100
83) tert-Butylbenzene	13.23	119	323849	22.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	386717	22.98	ug/l	99
85) sec-Butylbenzene	13.41	105	455830	22.83	ug/l	100
86) p-Isopropyltoluene	13.53	119	419380	22.45	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	211984	22.27	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	215076	22.77	ug/l	99
89) n-Butylbenzene	13.86	91	387773	22.75	ug/l	99
90) Hexachloroethane	14.12	117	82754	22.97	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185851	23.00	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11143	20.44	ug/l	92

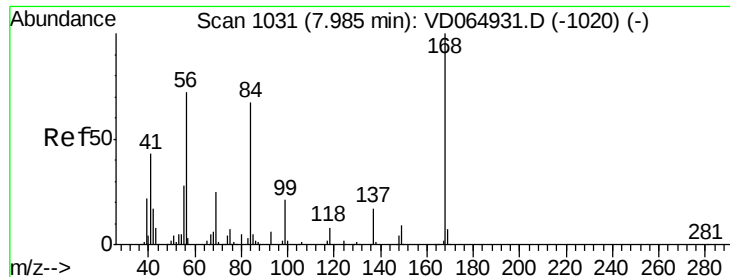
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
Data File : VD065047.D
Acq On : 03 Feb 2020 11:52
Operator : VA/SY
Sample : VD0203SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0203SBSD01

Quant Time: Feb 03 12:51:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123358	22.07	ug/l	97
94) Hexachlorobutadiene	15.28	225	77289	21.86	ug/l	97
95) Naphthalene	15.41	128	189613	21.02	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	106940	22.07	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

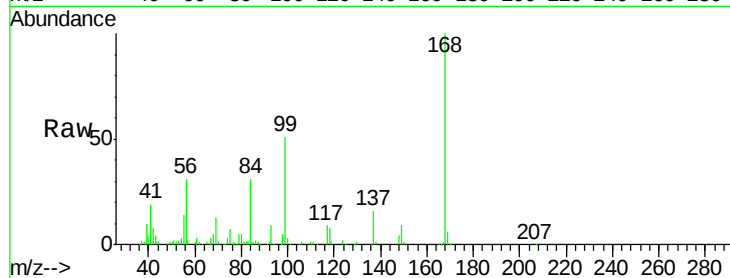
VD0203SBSD01

Tgt Ion:168 Resp: 484434

Ion Ratio Lower Upper

168 100

99 51.1 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

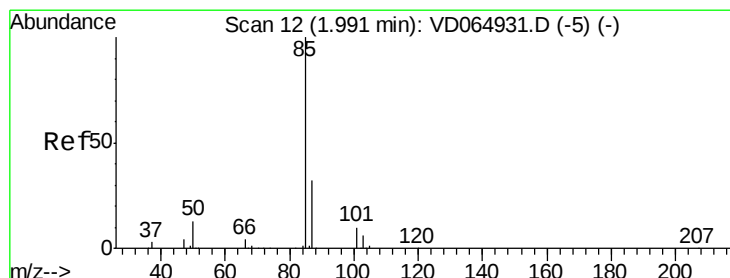
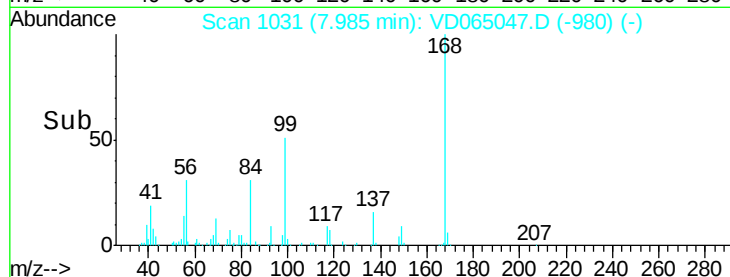
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.41 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065047.D

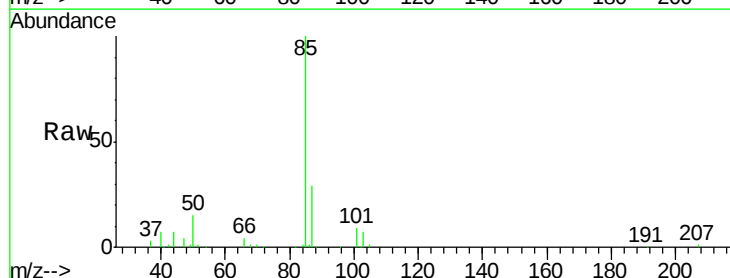
Acq: 03 Feb 2020 11:52

Tgt Ion: 85 Resp: 81774

Ion Ratio Lower Upper

85 100

87 28.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

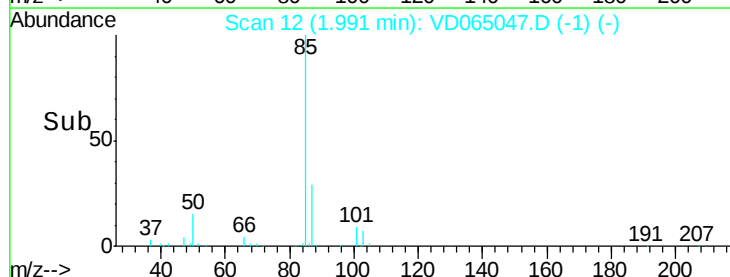
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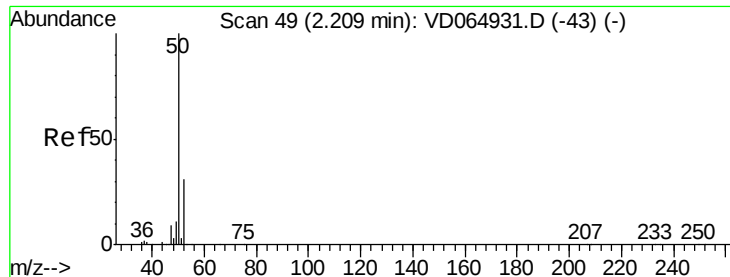
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 21.22 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

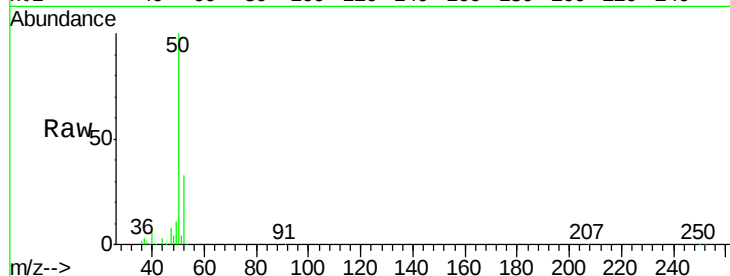
VD0203SBS01

Tgt Ion: 50 Resp: 113491

Ion Ratio Lower Upper

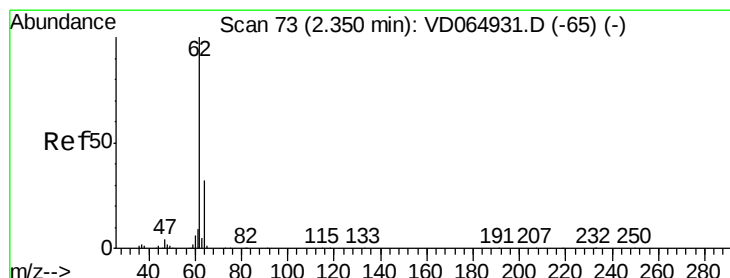
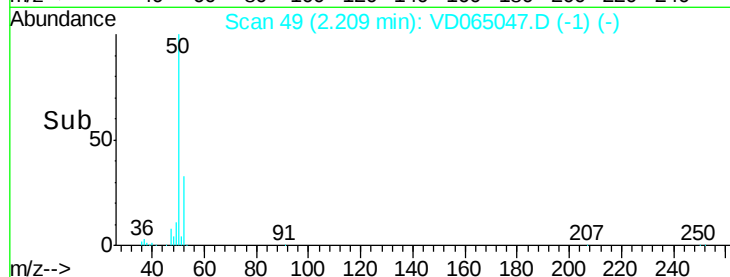
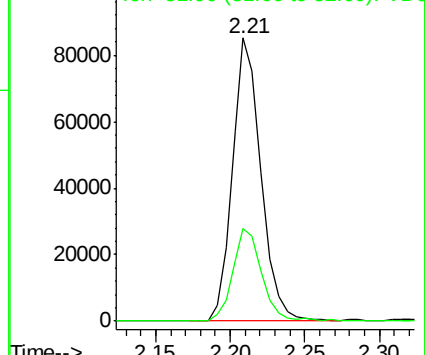
50 100

52 32.9 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.43 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065047.D

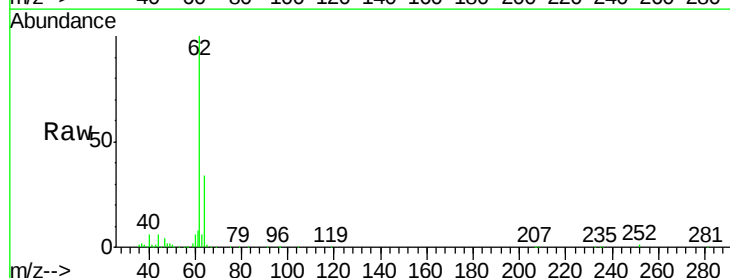
Acq: 03 Feb 2020 11:52

Tgt Ion: 62 Resp: 125534

Ion Ratio Lower Upper

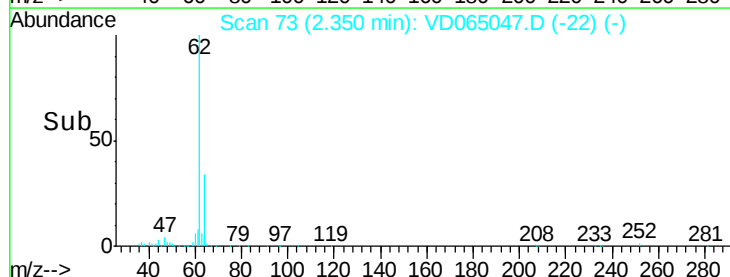
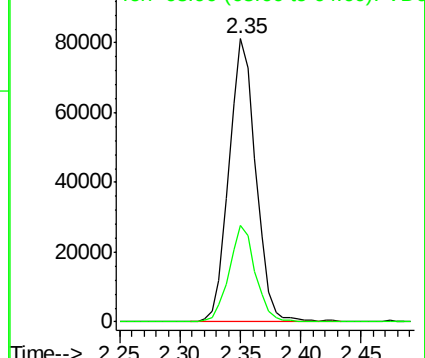
62 100

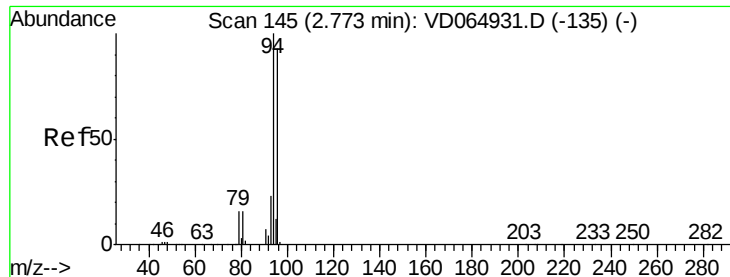
64 34.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.09 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

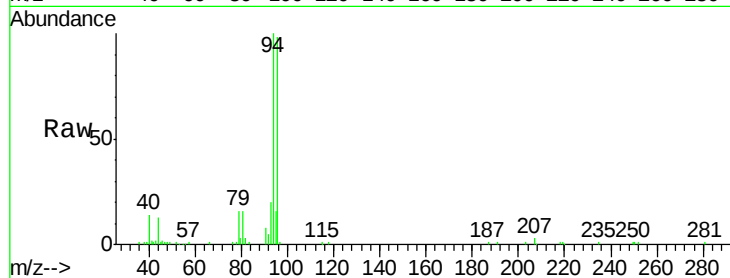
VD0203SBS01

Tgt Ion: 94 Resp: 83009

Ion Ratio Lower Upper

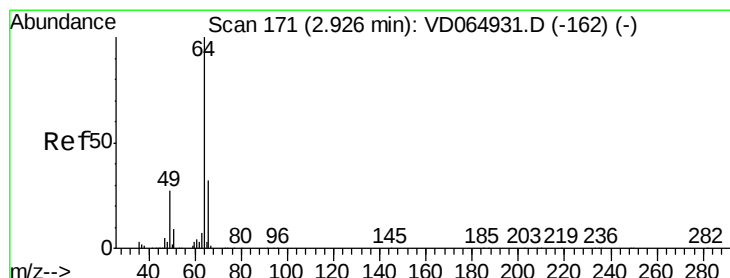
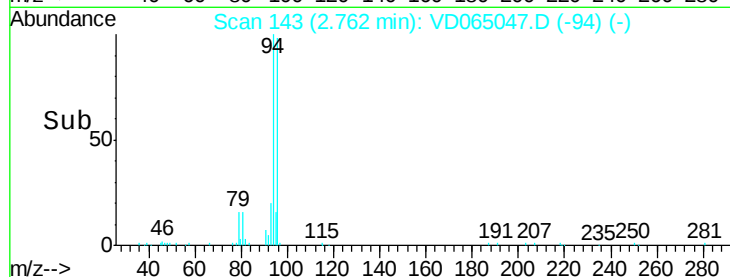
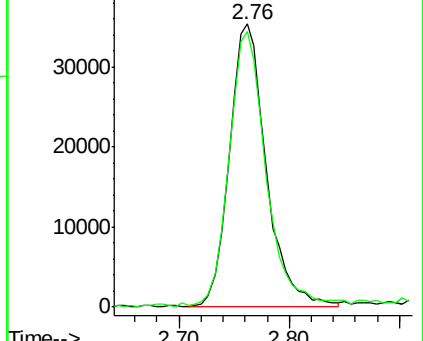
94 100

96 97.1 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.40 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065047.D

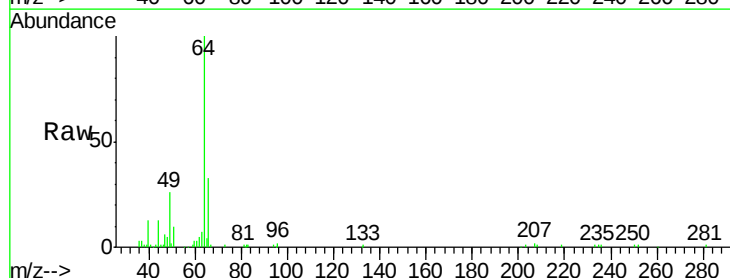
Acq: 03 Feb 2020 11:52

Tgt Ion: 64 Resp: 82608

Ion Ratio Lower Upper

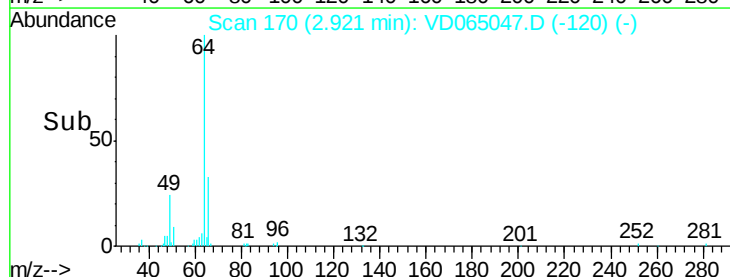
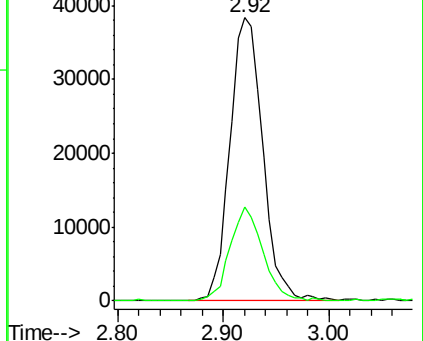
64 100

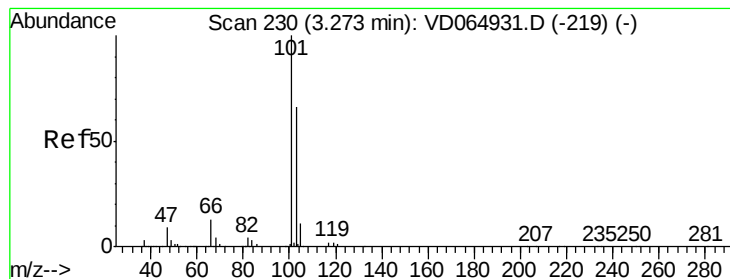
66 33.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



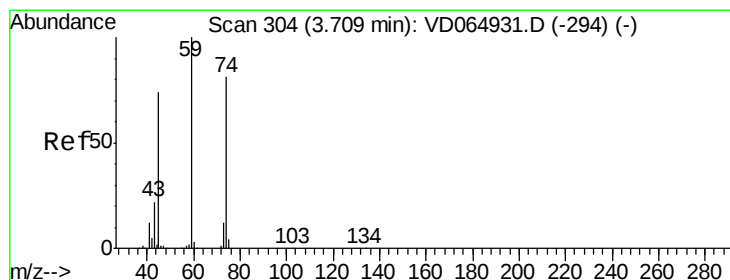
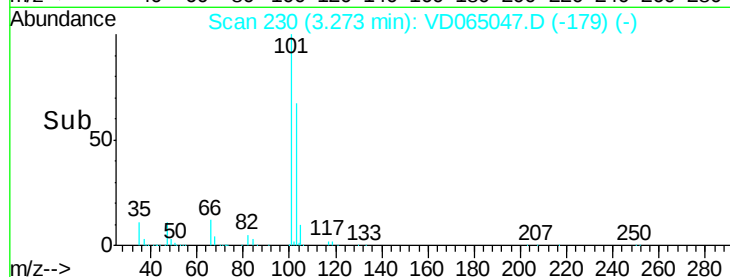
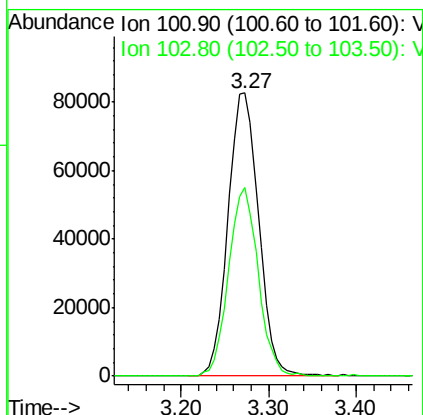
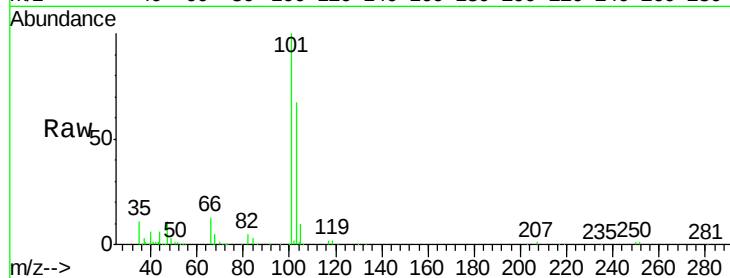


#7

Trichlorofluoromethane
 Concen: 20.77 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBSD01

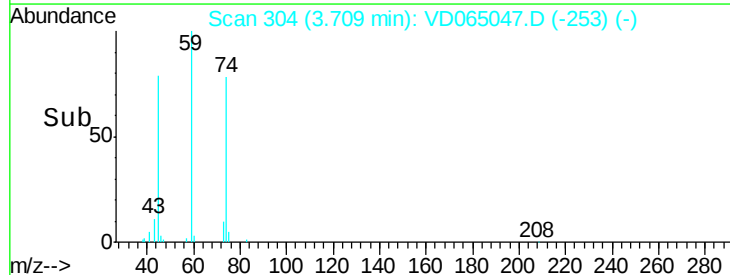
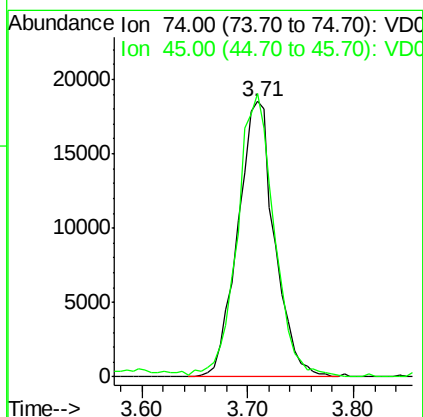
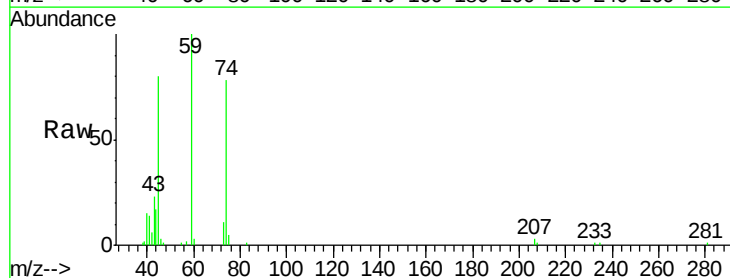
Tgt Ion: 101 Resp: 197055
 Ion Ratio Lower Upper
 101 100
 103 66.7 52.5 78.7

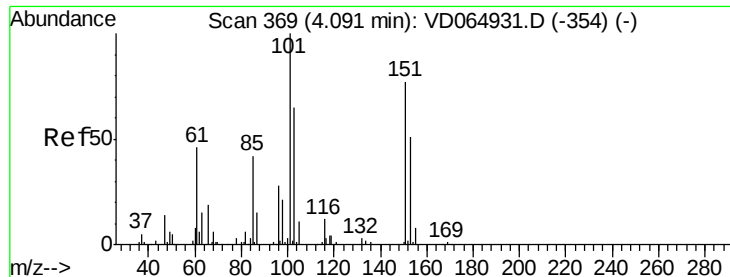


#8

Diethyl Ether
 Concen: 20.82 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Tgt Ion: 74 Resp: 44602
 Ion Ratio Lower Upper
 74 100
 45 103.2 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.49 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

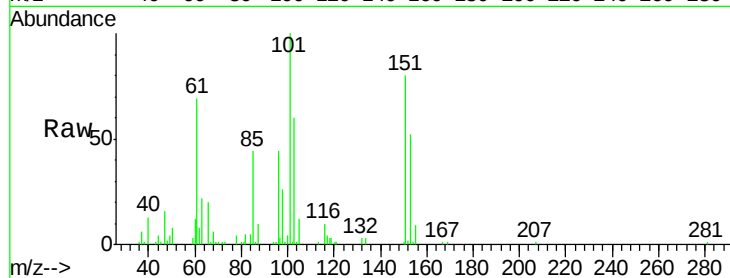
Tgt Ion:101 Resp: 99286

Ion Ratio Lower Upper

101 100

85 44.6 35.0 52.4

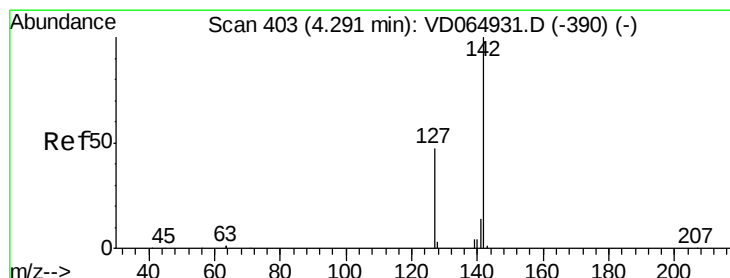
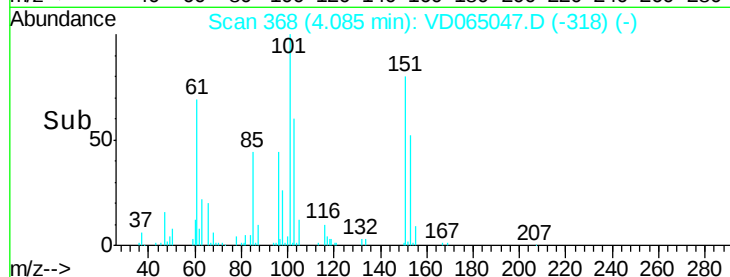
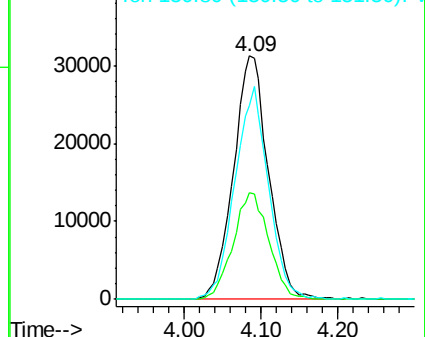
151 83.8 64.6 96.8



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: 21.02 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

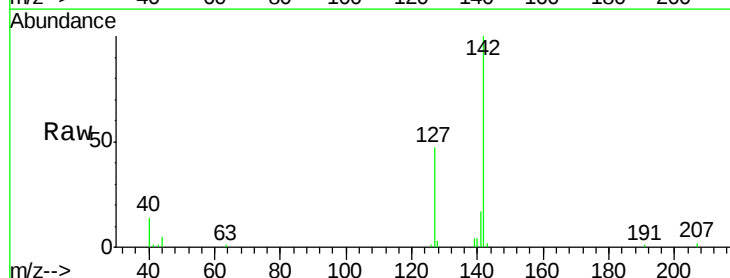
Tgt Ion:142 Resp: 98512

Ion Ratio Lower Upper

142 100

127 46.3 36.2 54.2

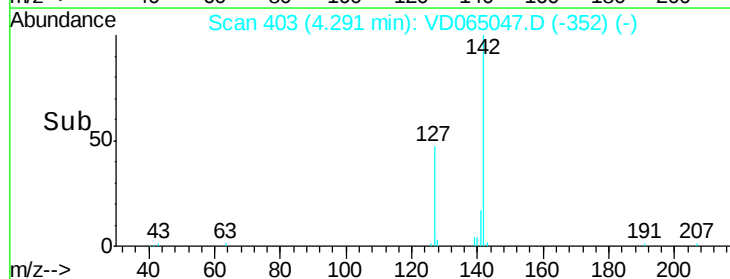
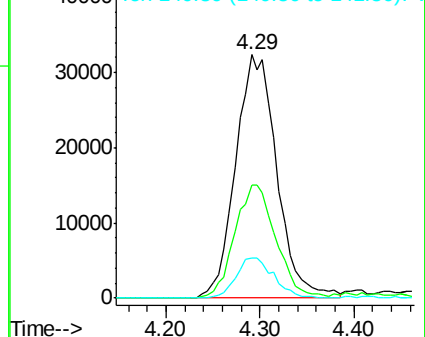
141 15.2 11.6 17.4

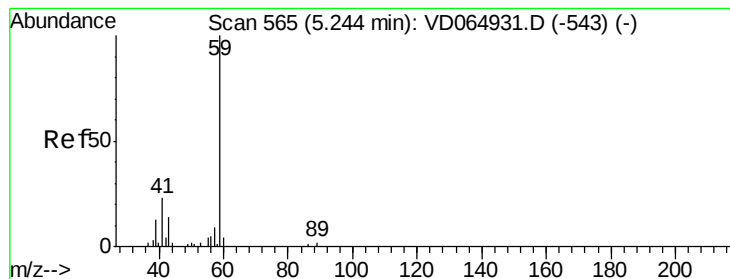


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 120.24 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

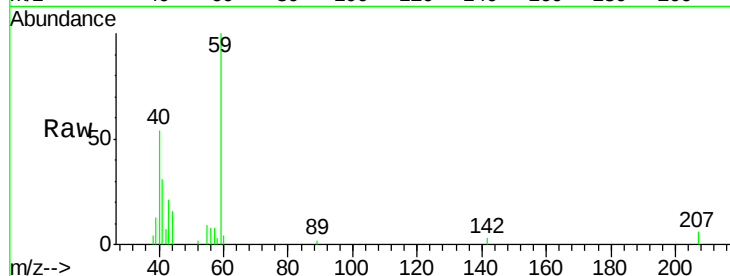
VD0203SBSD01

Tgt Ion: 59 Resp: 30875

Ion Ratio Lower Upper

59 100

57 7.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.25

8000

6000

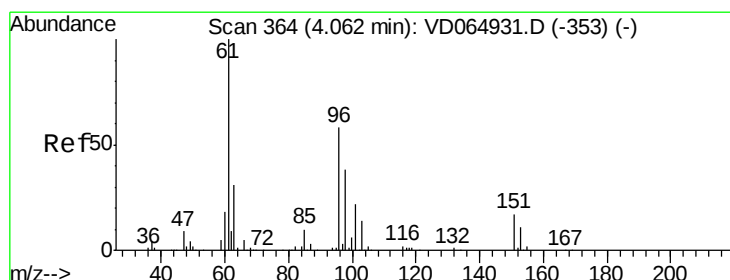
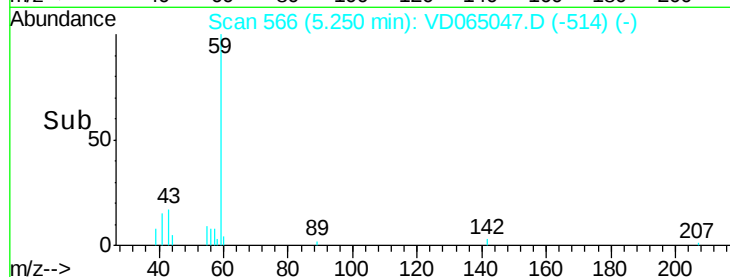
4000

2000

0

Time-->

5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 22.20 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

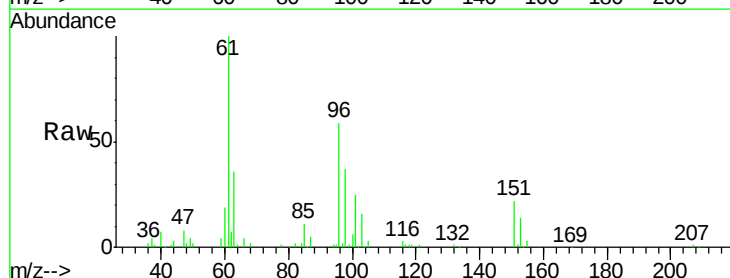
Tgt Ion: 96 Resp: 93602

Ion Ratio Lower Upper

96 100

61 168.4 137.0 205.4

98 62.7 52.1 78.1



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

80000

60000

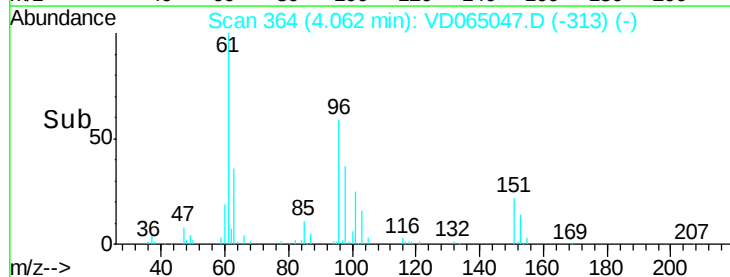
40000

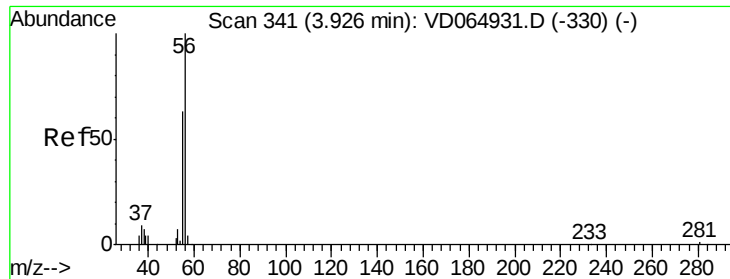
20000

0

Time-->

3.90 4.00 4.10





#13

Acrolein

Concen: 76.72 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

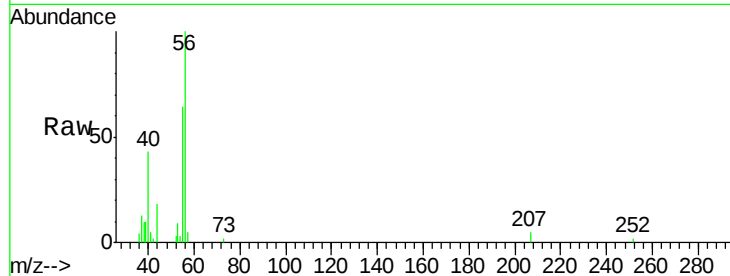
VD0203SBS01

Tgt Ion: 56 Resp: 24698

Ion Ratio Lower Upper

56 100

55 69.7 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

10000

8000

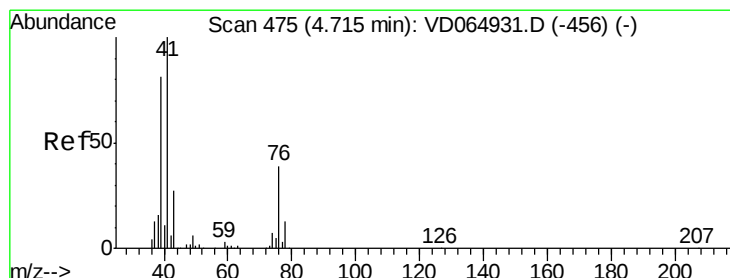
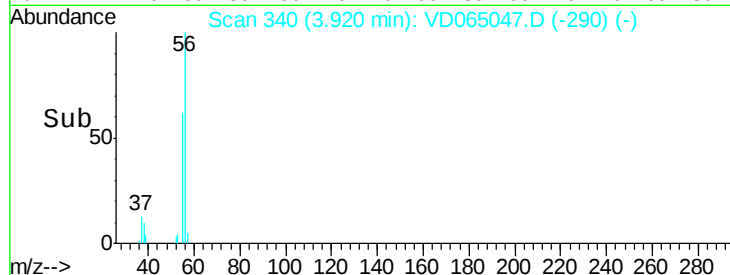
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 22.49 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

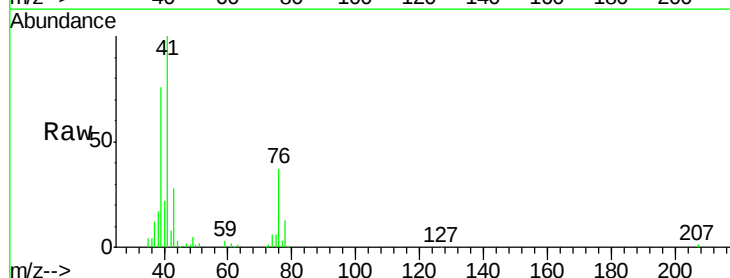
Tgt Ion: 41 Resp: 151230

Ion Ratio Lower Upper

41 100

39 74.3 62.0 93.0

76 35.9 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

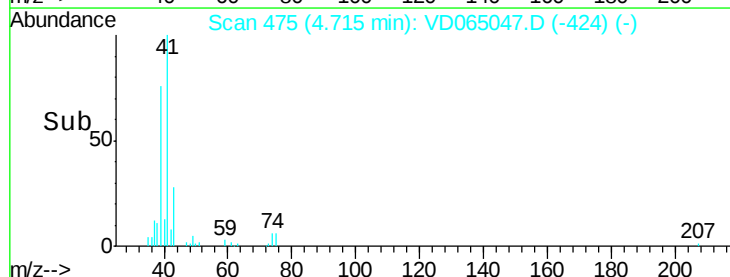
30000

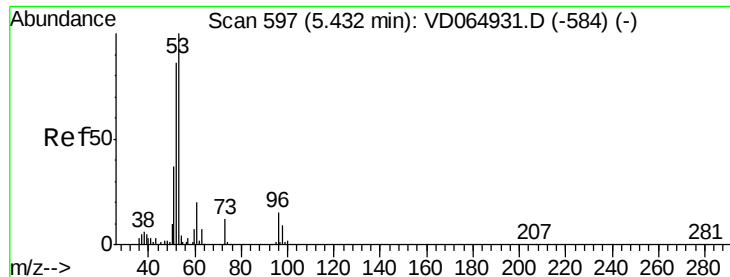
20000

10000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 107.48 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

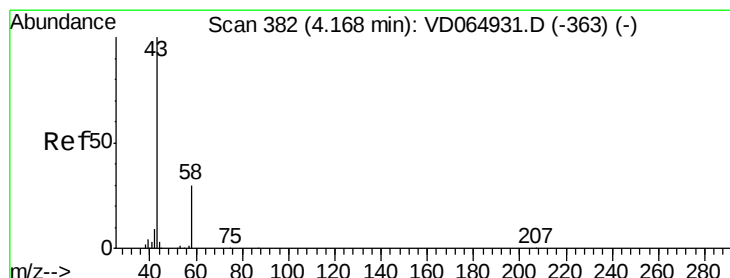
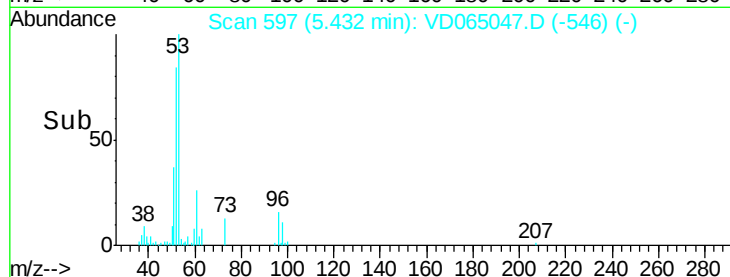
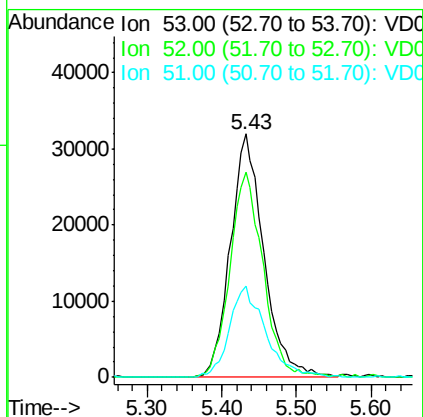
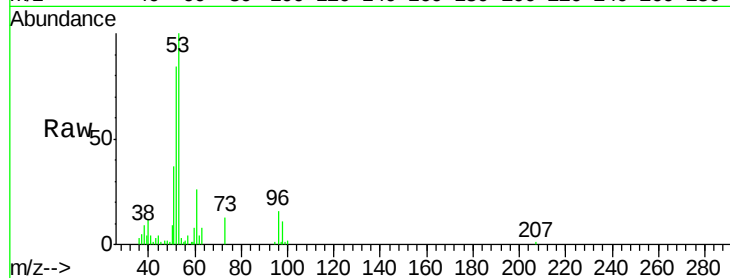
Tgt Ion: 53 Resp: 99687

Ion Ratio Lower Upper

53 100

52 83.4 66.7 100.1

51 40.3 31.1 46.7



#16

Acetone

Concen: 91.42 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065047.D

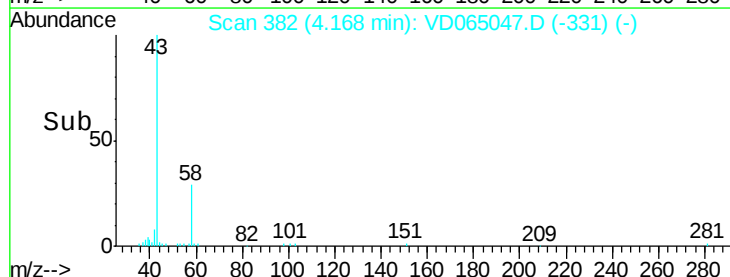
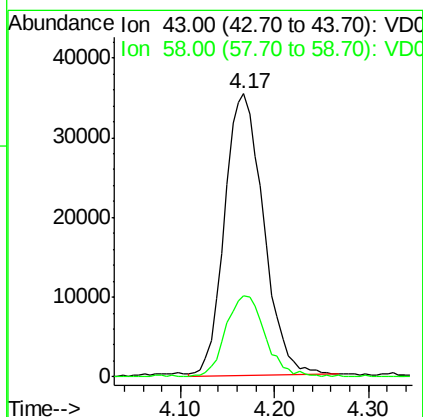
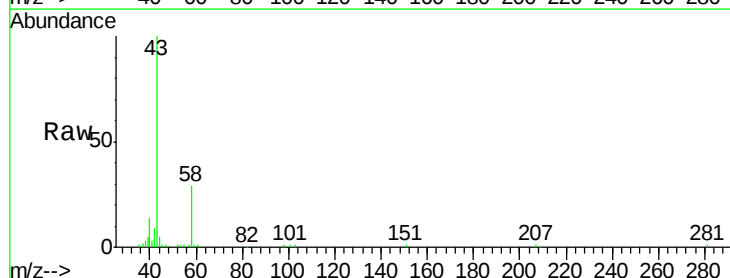
Acq: 03 Feb 2020 11:52

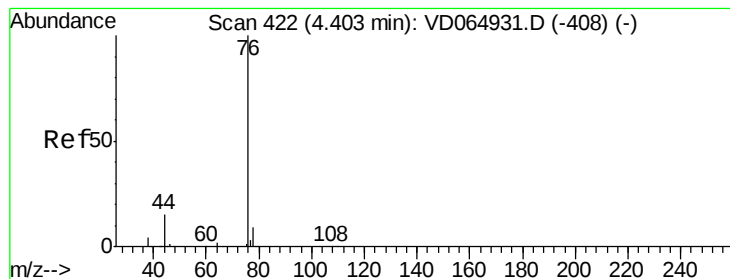
Tgt Ion: 43 Resp: 101441

Ion Ratio Lower Upper

43 100

58 28.8 23.8 35.8





#17

Carbon Disulfide

Concen: 21.51 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

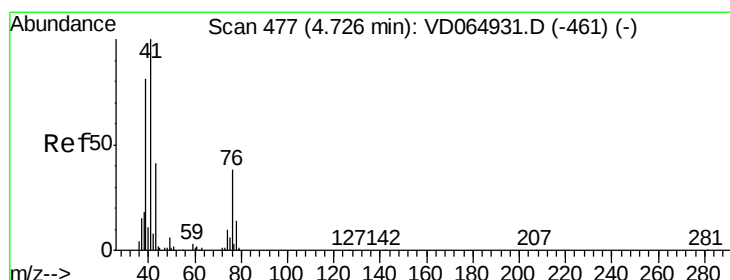
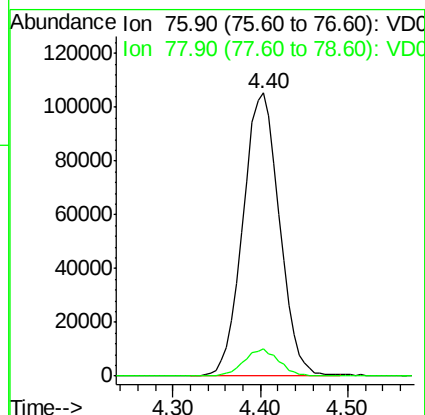
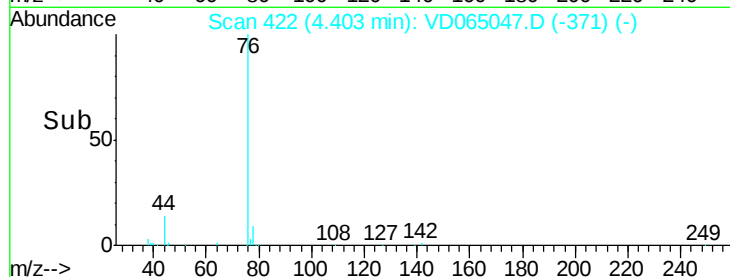
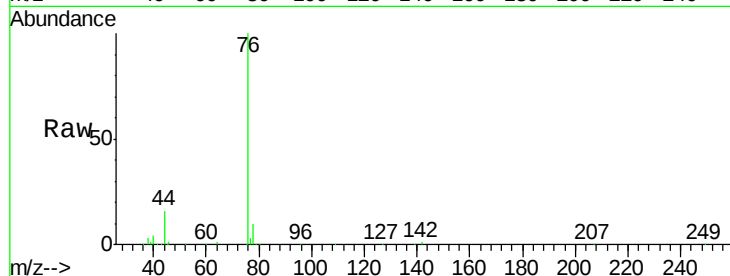
VD0203SBS01

Tgt Ion: 76 Resp: 298504

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7



#18

Methyl Acetate

Concen: 23.12 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065047.D

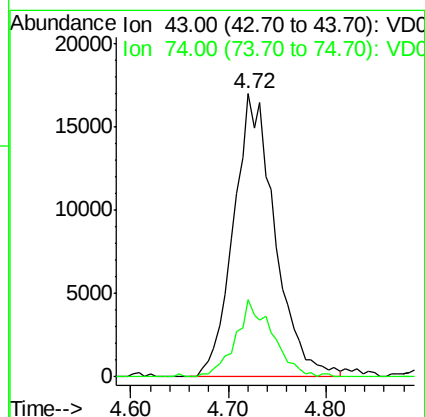
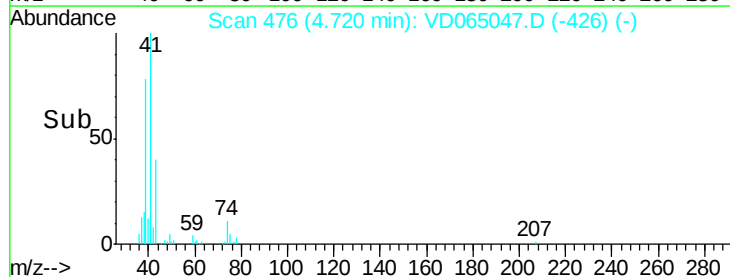
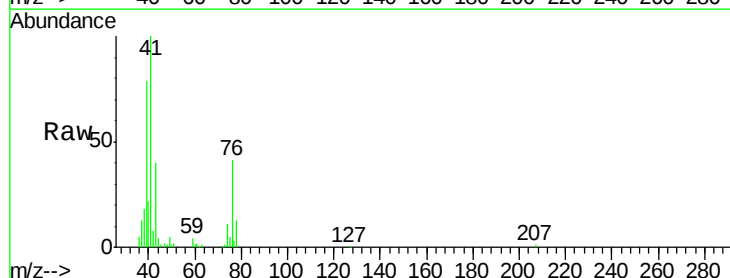
Acq: 03 Feb 2020 11:52

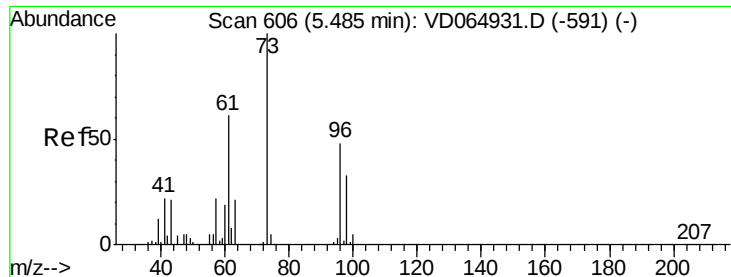
Tgt Ion: 43 Resp: 50307

Ion Ratio Lower Upper

43 100

74 24.1 19.1 28.7

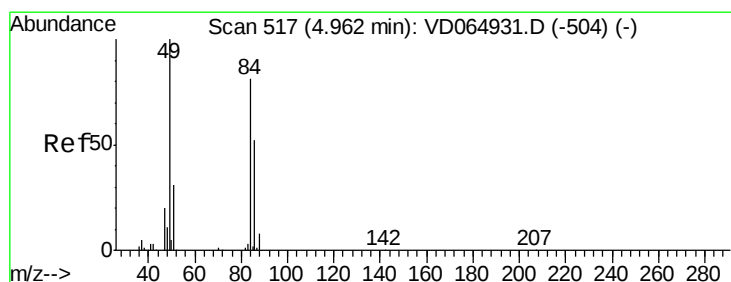
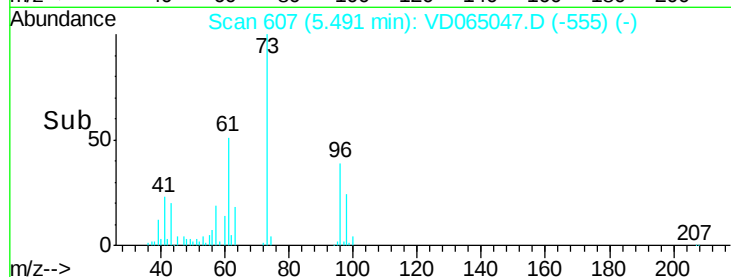
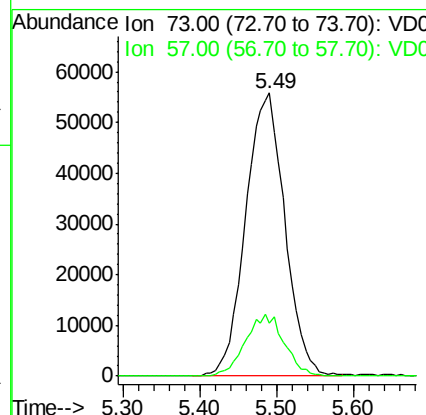
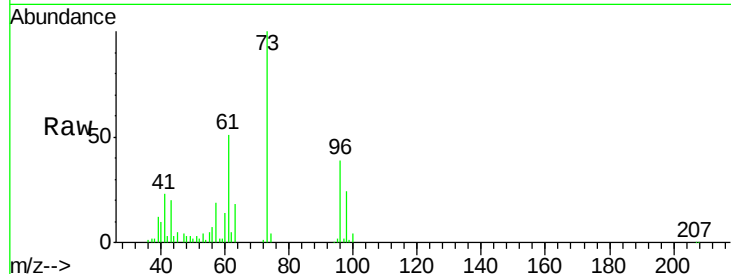




#19
Methyl tert-butyl Ether
Concen: 21.09 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

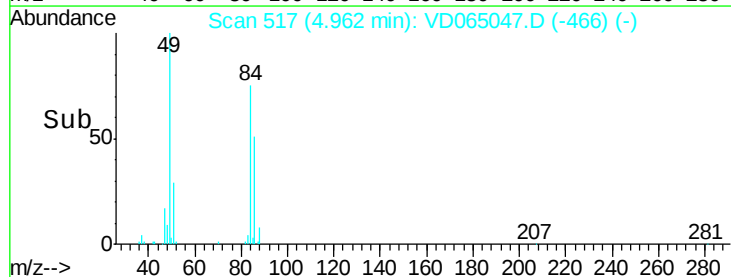
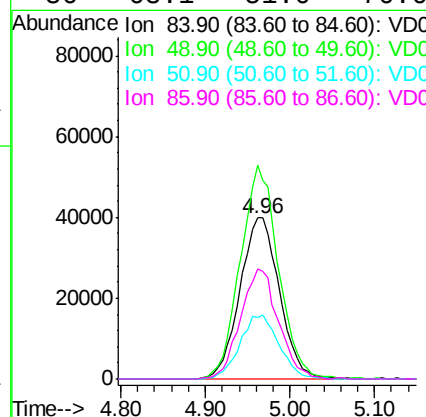
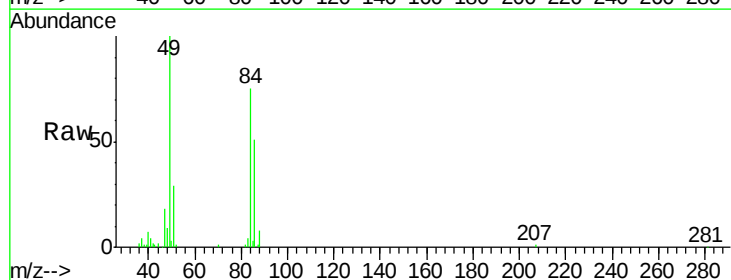
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

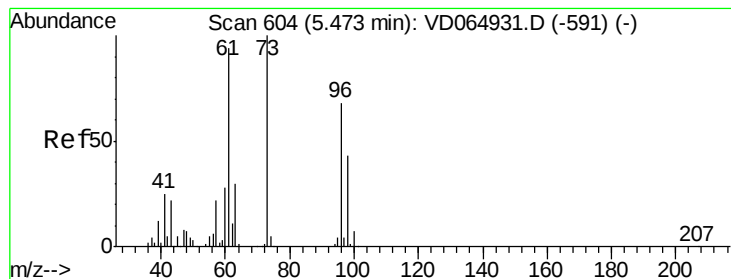
Tgt Ion: 73 Resp: 198744
Ion Ratio Lower Upper
73 100
57 18.7 17.9 26.9



#20
Methylene Chloride
Concen: 25.47 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion: 84 Resp: 129264
Ion Ratio Lower Upper
84 100
49 132.8 98.4 147.6
51 38.4 30.8 46.2
86 68.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 22.29 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

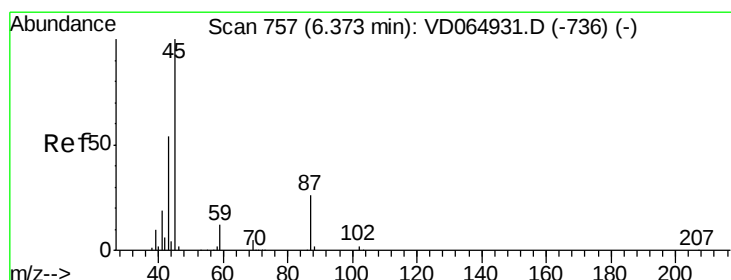
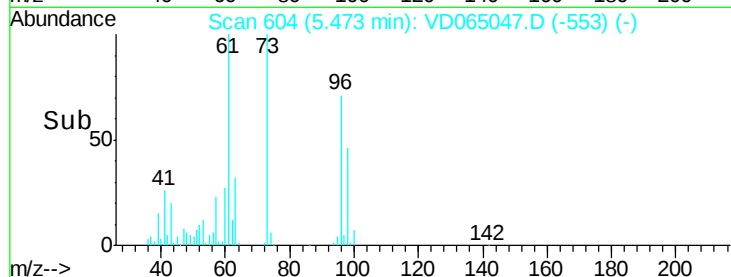
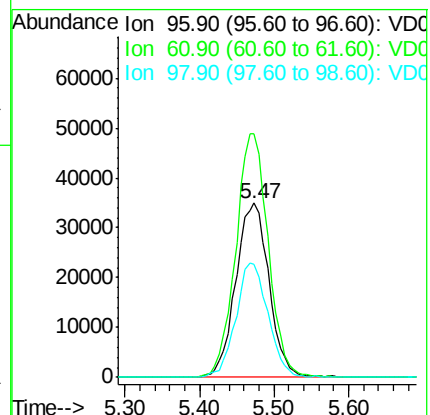
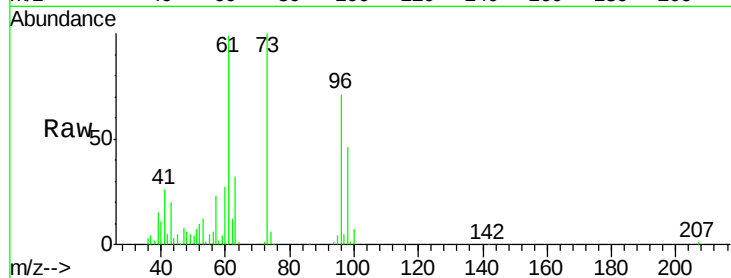
Tgt Ion: 96 Resp: 108310

Ion Ratio Lower Upper

96 100

61 139.9 110.4 165.6

98 64.7 50.5 75.7



#22

Diisopropyl ether

Concen: 22.21 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Tgt Ion: 45 Resp: 297659

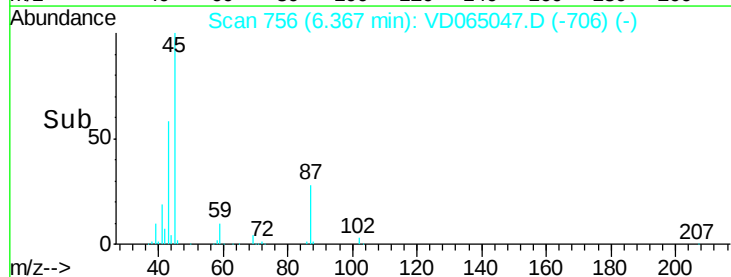
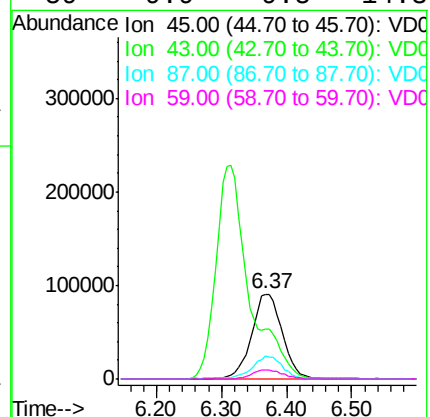
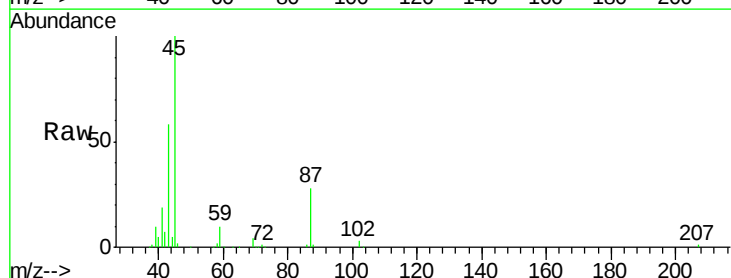
Ion Ratio Lower Upper

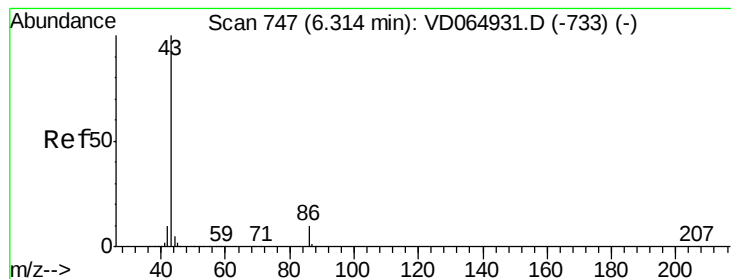
45 100

43 57.5 43.1 64.7

87 27.6 21.4 32.2

59 9.9 9.5 14.3





#23

Vinyl Acetate

Concen: 102.77 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

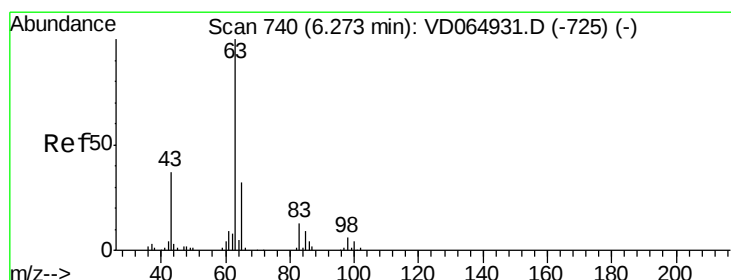
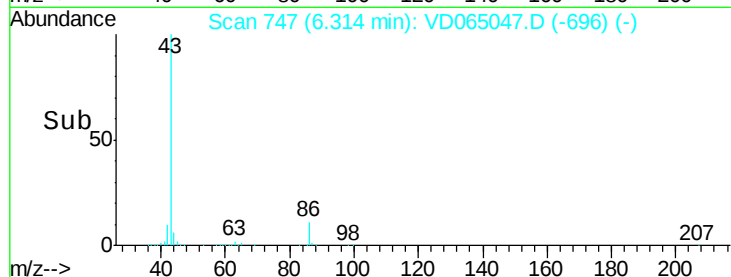
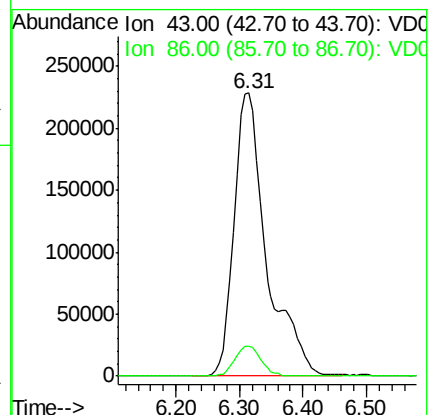
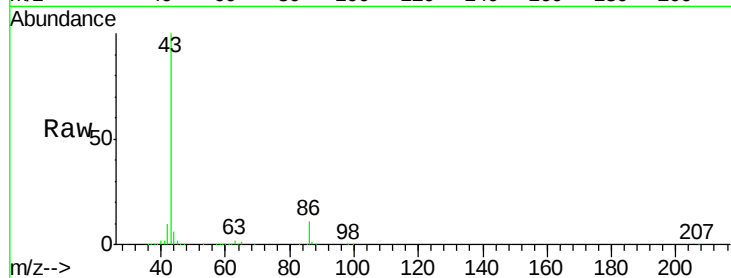
VD0203SBSD01

Tgt Ion: 43 Resp: 806471

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 22.45 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

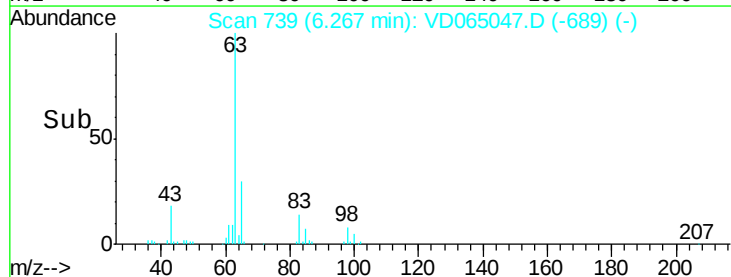
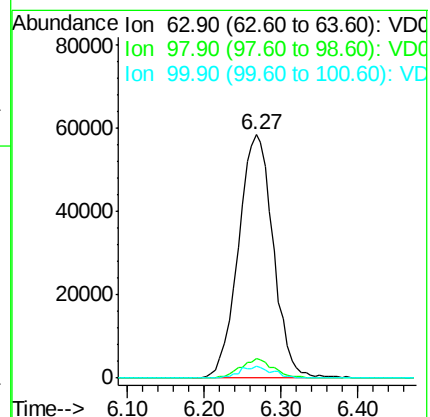
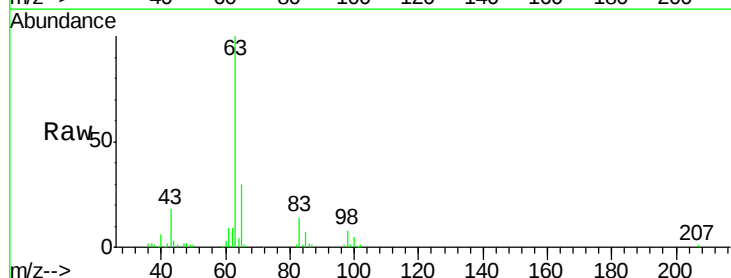
Tgt Ion: 63 Resp: 184758

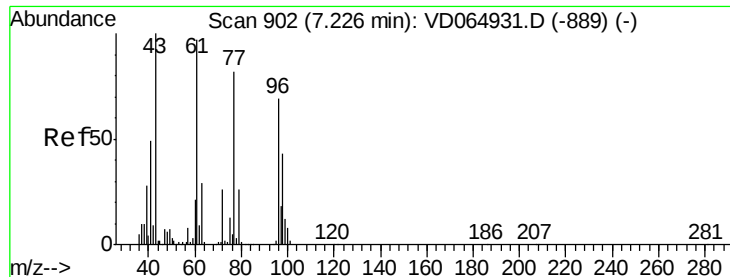
Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.3

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 102.72 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

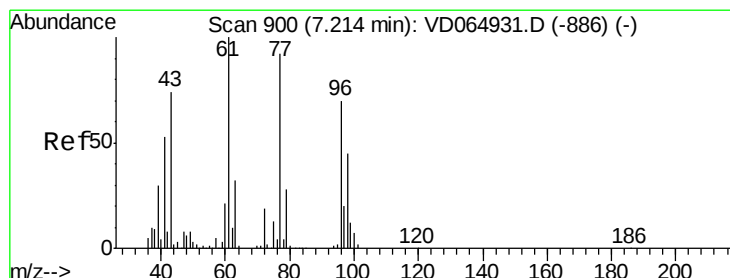
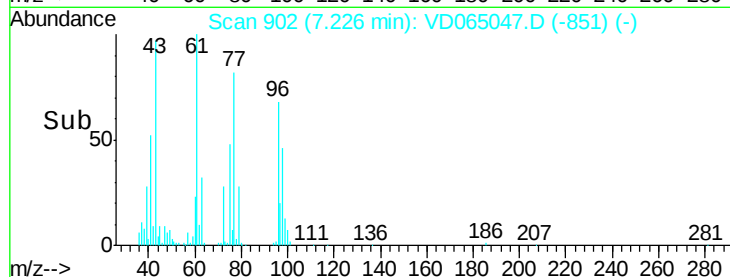
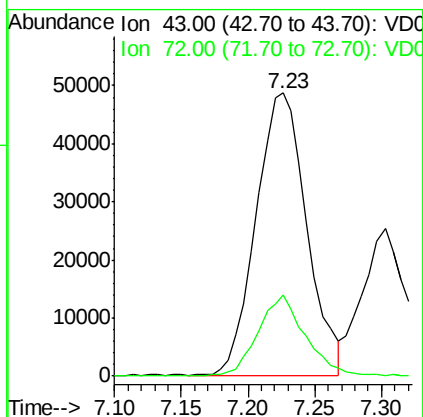
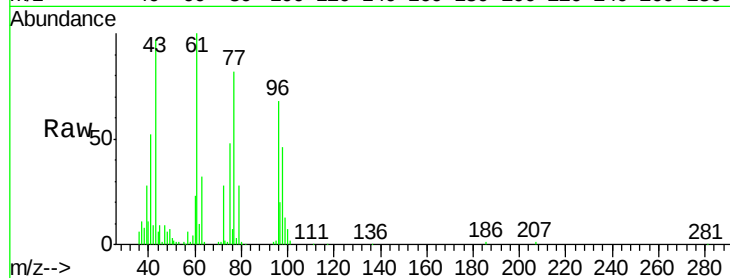
VD0203SBS01

Tgt Ion: 43 Resp: 128960

Ion Ratio Lower Upper

43 100

72 28.5 20.6 31.0



#26

2,2-Dichloropropane

Concen: 22.48 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065047.D

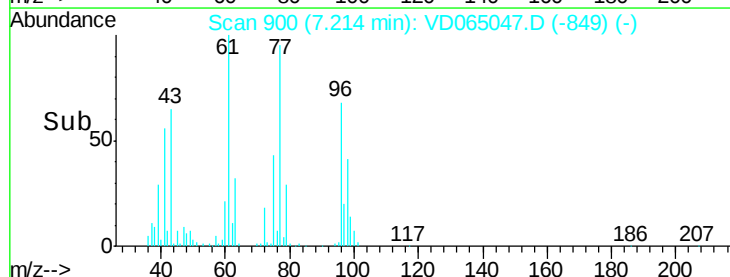
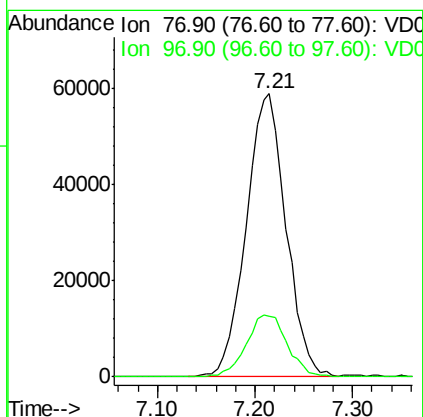
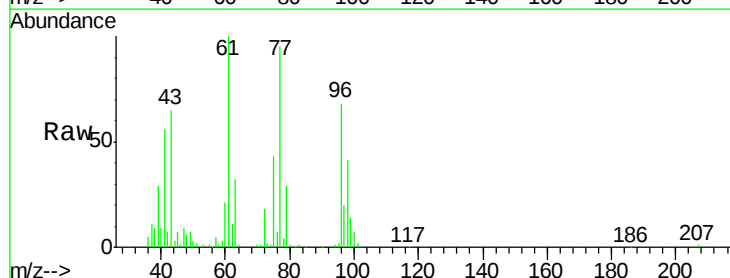
Acq: 03 Feb 2020 11:52

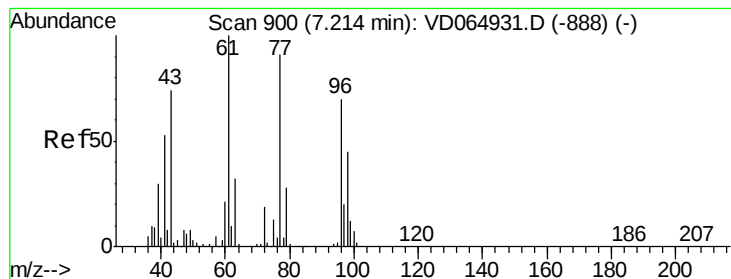
Tgt Ion: 77 Resp: 167773

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.60 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

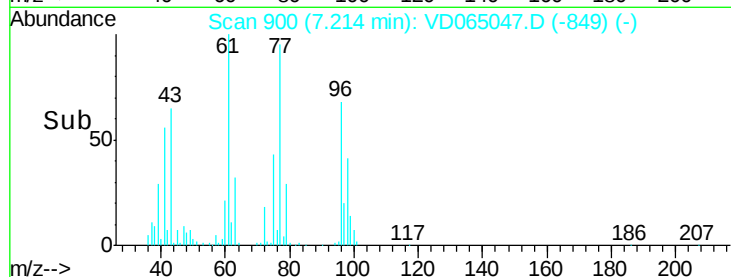
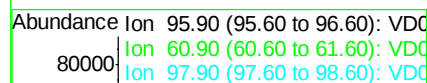
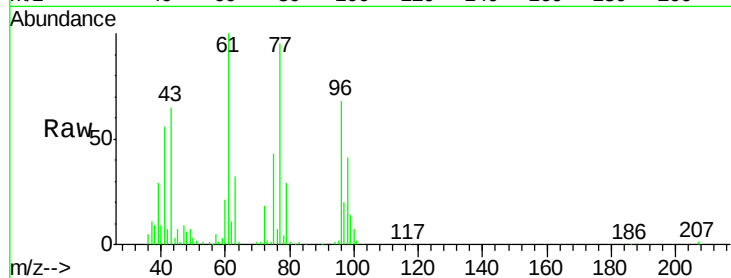
Tgt Ion: 96 Resp: 112030

Ion Ratio Lower Upper

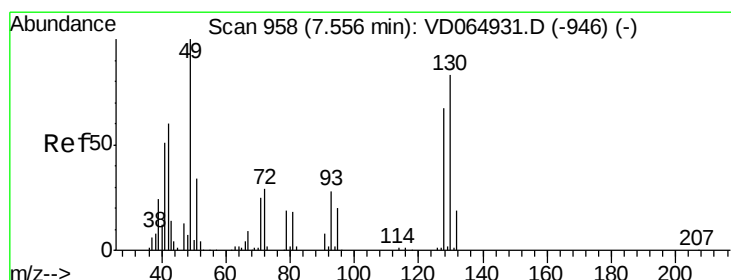
96 100

61 151.0 0.0 292.8

98 64.4 0.0 130.0



Time-->



#28

Bromochloromethane

Concen: 17.60 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

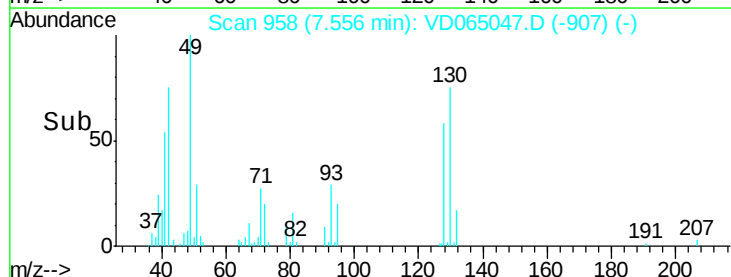
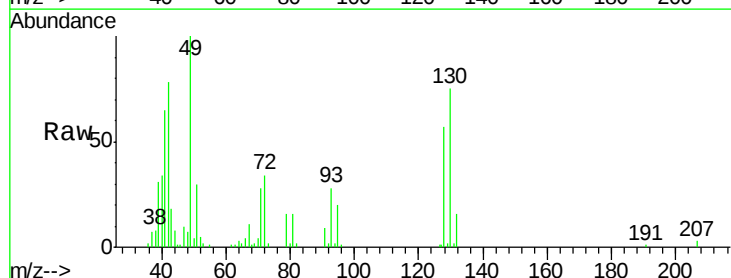
Tgt Ion: 49 Resp: 57929

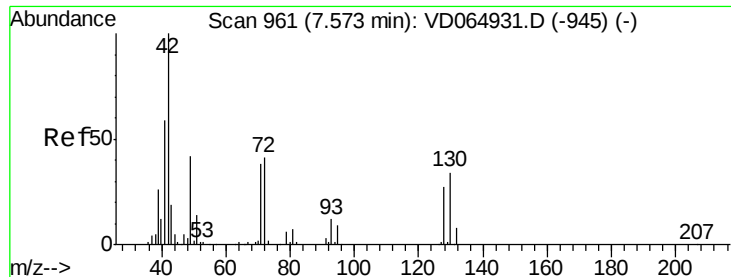
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 80.2 63.8 95.8

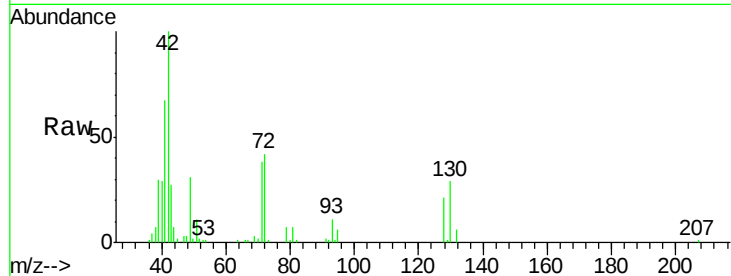




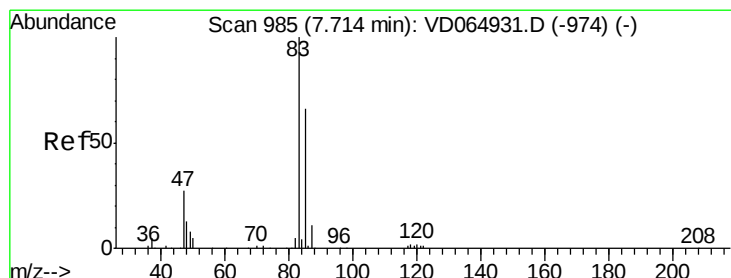
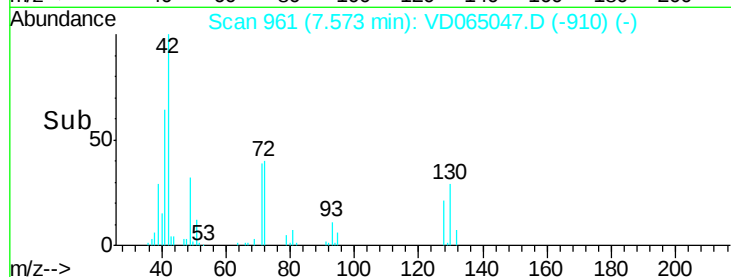
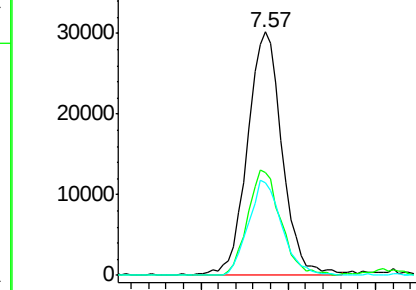
#29
Tetrahydrofuran
Concen: 105.25 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

Tgt Ion: 42 Resp: 81521
Ion Ratio Lower Upper
42 100
72 41.2 34.0 51.0
71 37.5 31.5 47.3

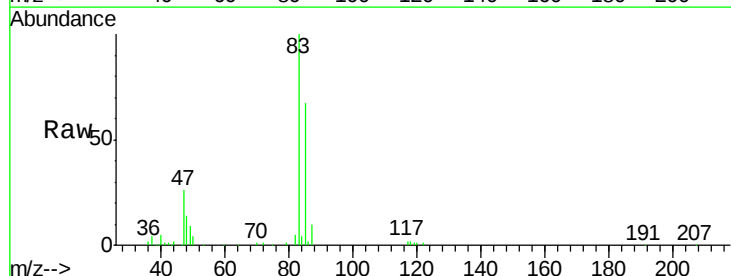


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

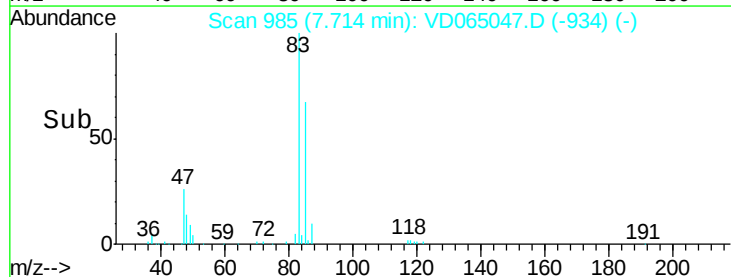
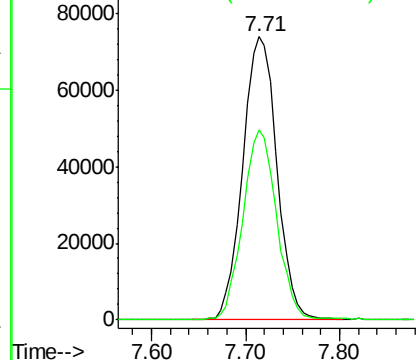


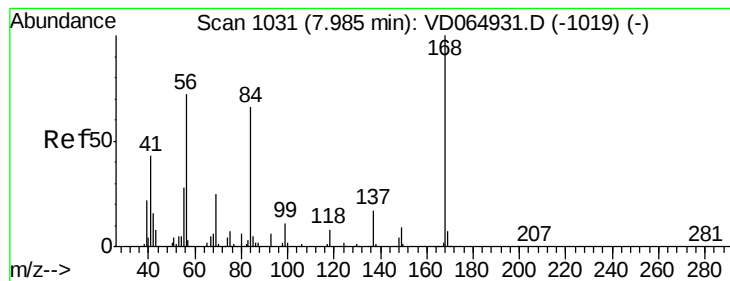
#30
Chloroform
Concen: 21.87 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion: 83 Resp: 186079
Ion Ratio Lower Upper
83 100
85 67.0 52.4 78.6



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





#31

Cyclohexane

Concen: 21.14 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

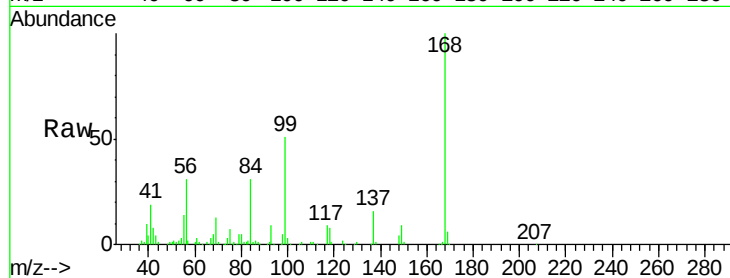
Tgt Ion: 56 Resp: 171113

Ion Ratio Lower Upper

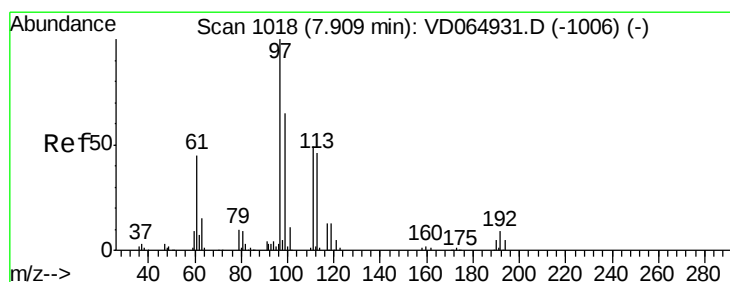
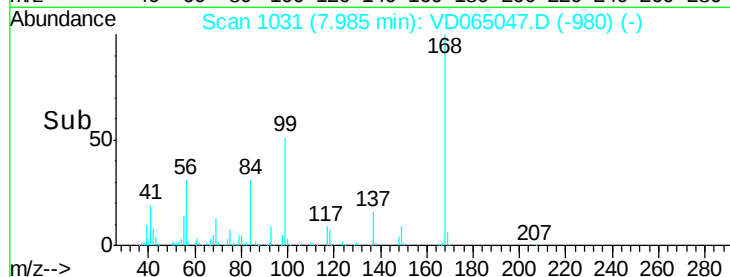
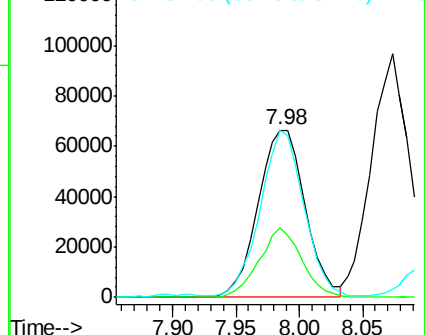
56 100

69 42.0 27.9 41.9#

84 98.2 72.8 109.2



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



#32

1,1,1-Trichloroethane

Concen: 22.65 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

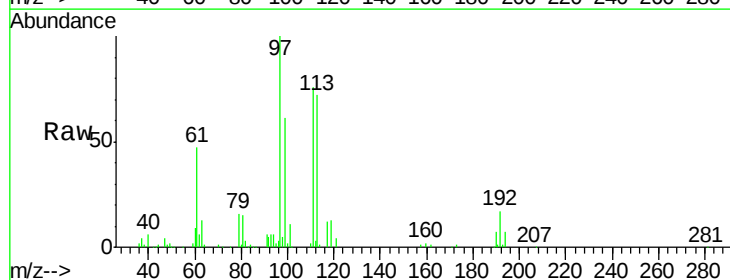
Tgt Ion: 97 Resp: 179260

Ion Ratio Lower Upper

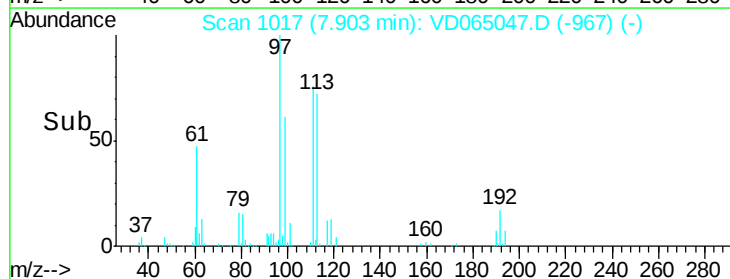
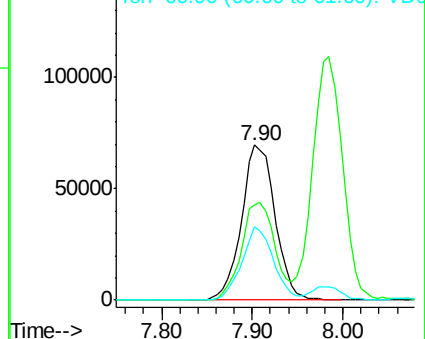
97 100

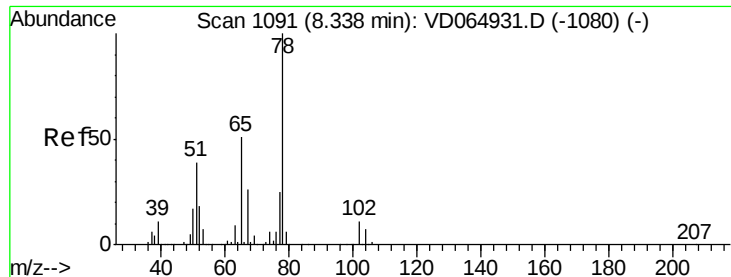
99 63.2 50.6 76.0

61 44.0 35.7 53.5



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: 51.13 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

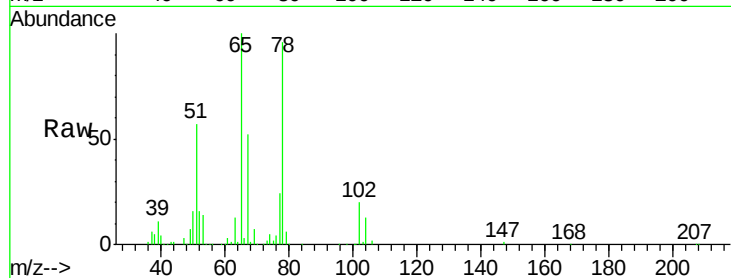
VD0203SBSD01

Tgt Ion: 65 Resp: 237603

Ion Ratio Lower Upper

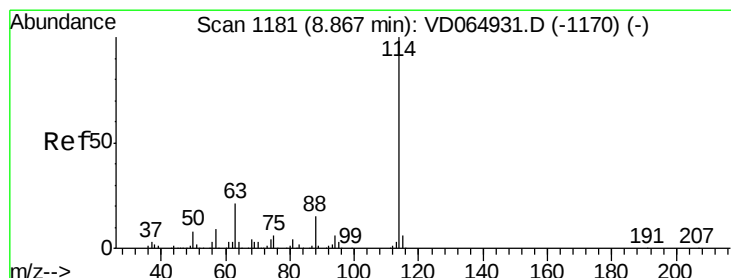
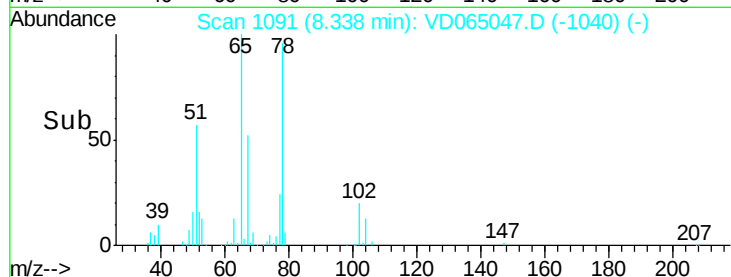
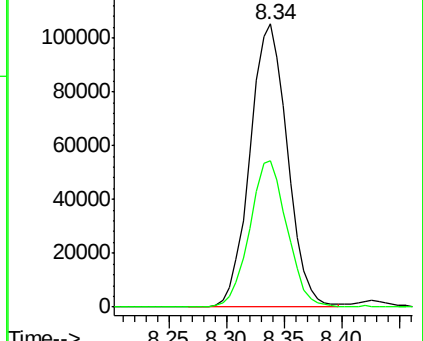
65 100

67 51.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

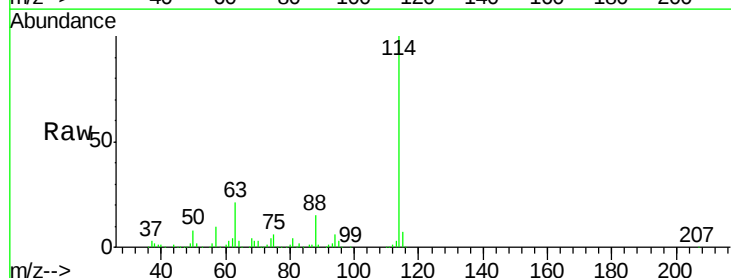
Tgt Ion: 114 Resp: 698623

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.0

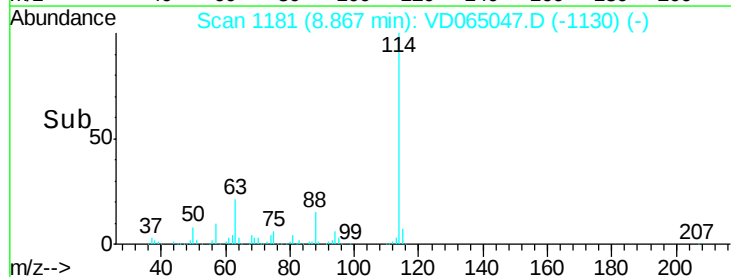
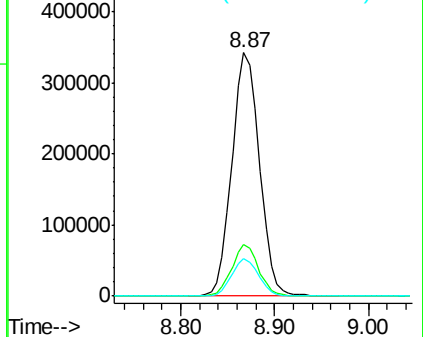
88 15.4 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

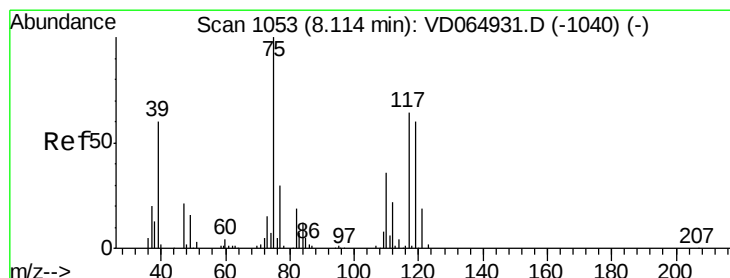
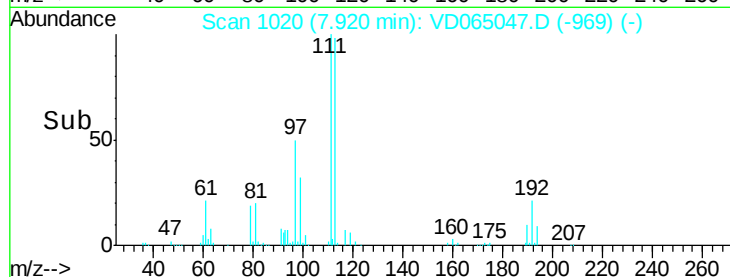
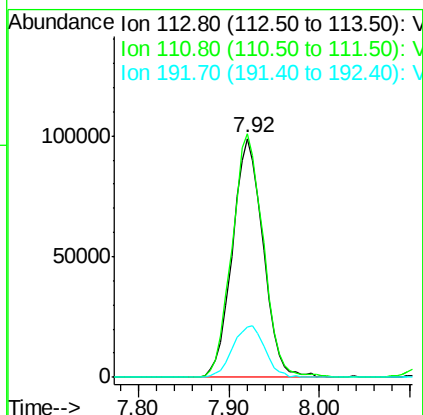
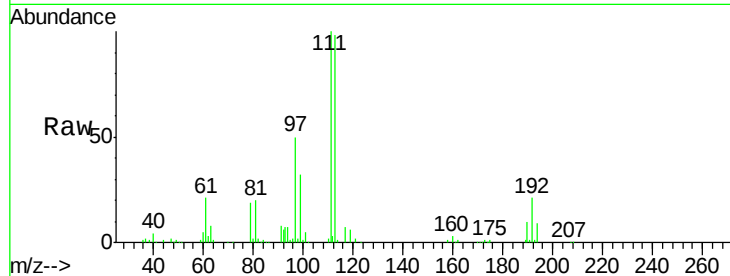




#35
 Dibromofluoromethane
 Concen: 53.15 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

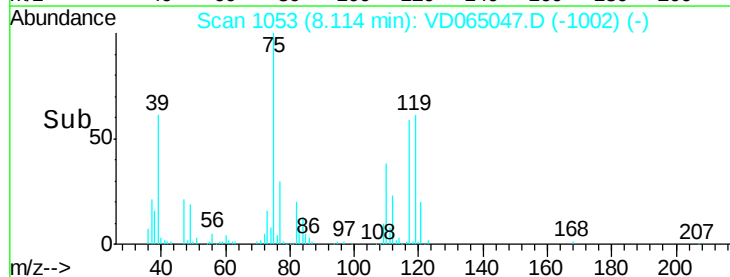
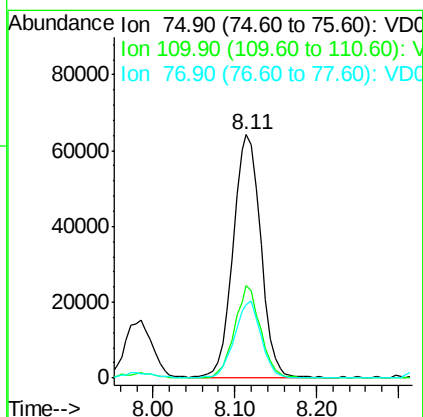
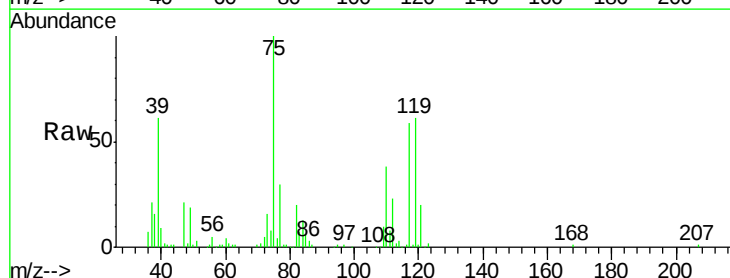
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBSD01

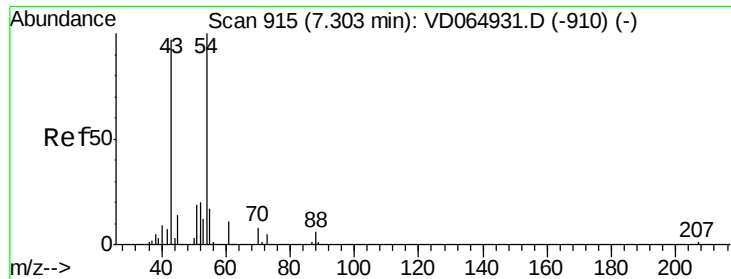
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	22.5	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 22.38 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	52.0
77	30.7	24.7	37.1

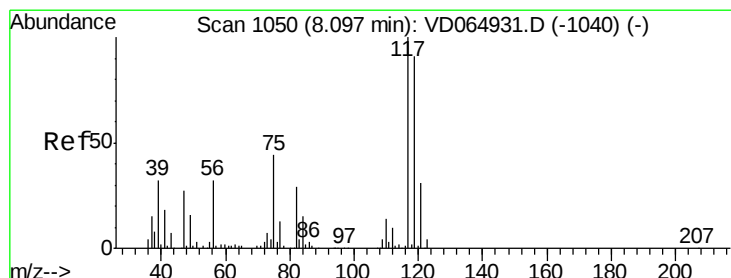
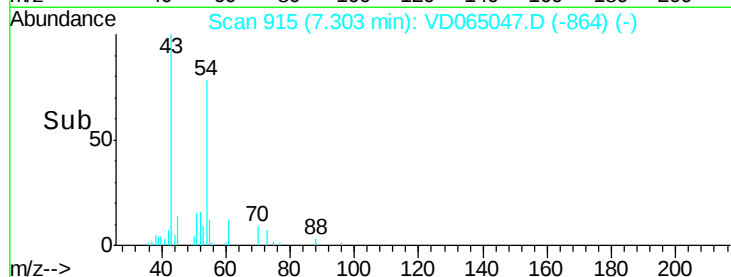
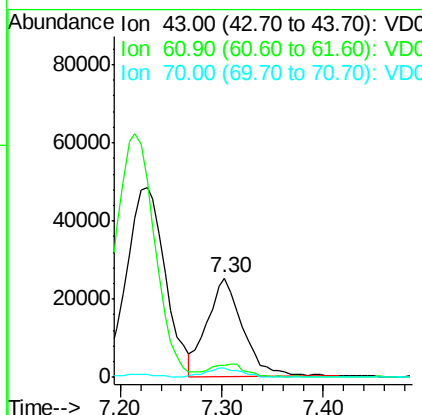
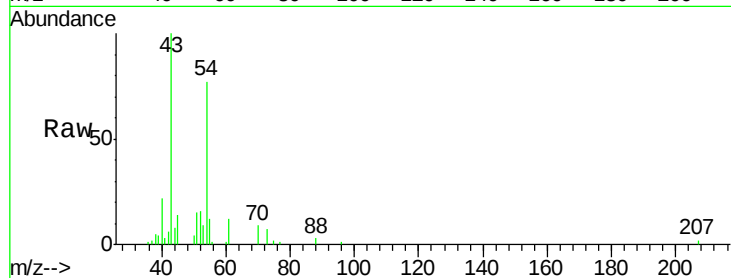




#37
 Ethyl Acetate
 Concen: 21.96 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

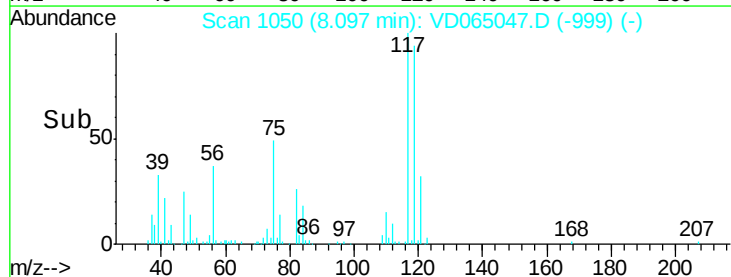
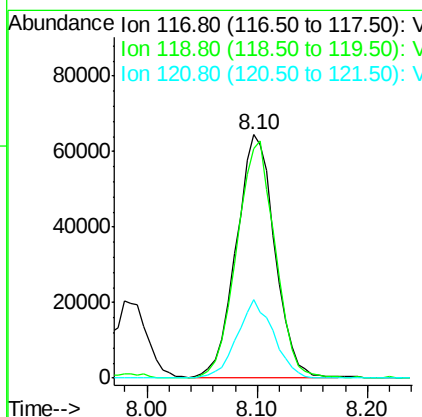
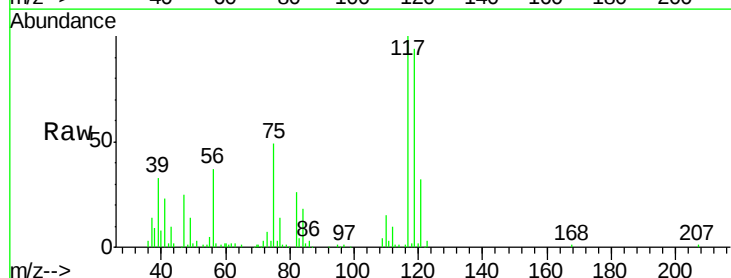
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

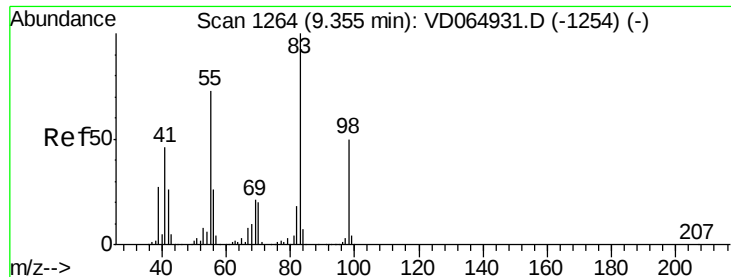
Tgt Ion: 43 Resp: 61097
 Ion Ratio Lower Upper
 43 100
 61 13.3 11.0 16.4
 70 9.0 7.5 11.3



#38
 Carbon Tetrachloride
 Concen: 22.06 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Tgt Ion: 117 Resp: 157100
 Ion Ratio Lower Upper
 117 100
 119 94.7 73.2 109.8
 121 32.3 24.4 36.6

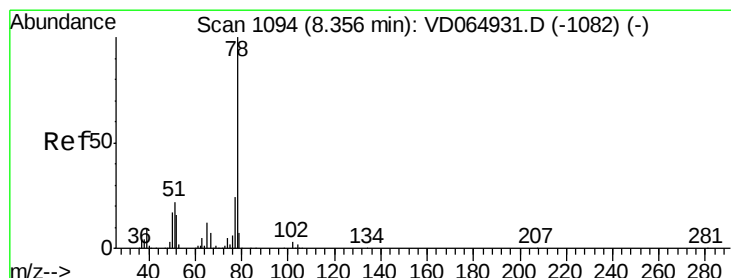
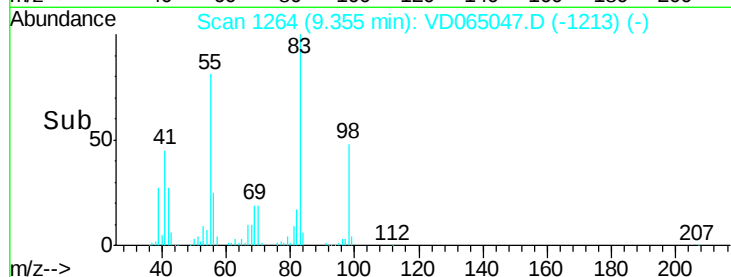
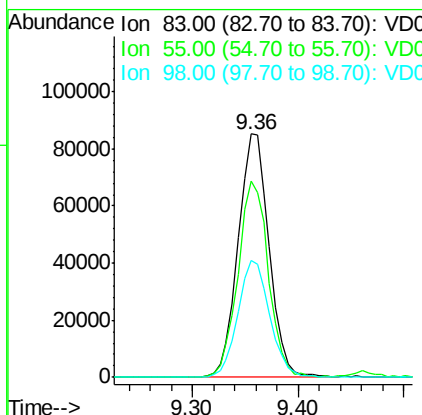
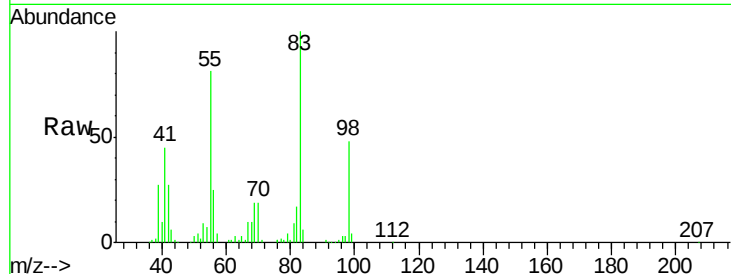




#39
Methylcyclohexane
Concen: 22.02 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

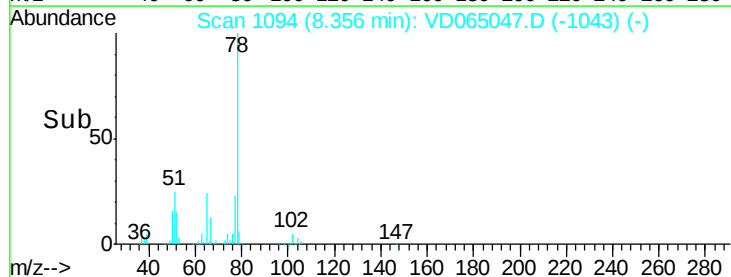
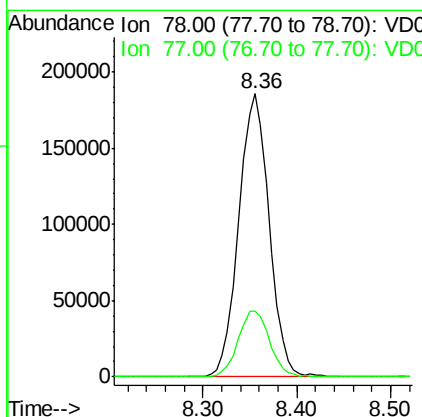
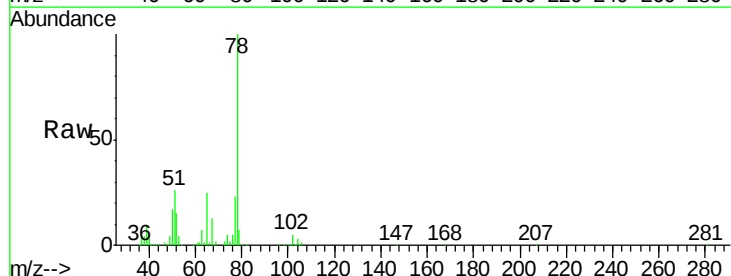
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBSD01

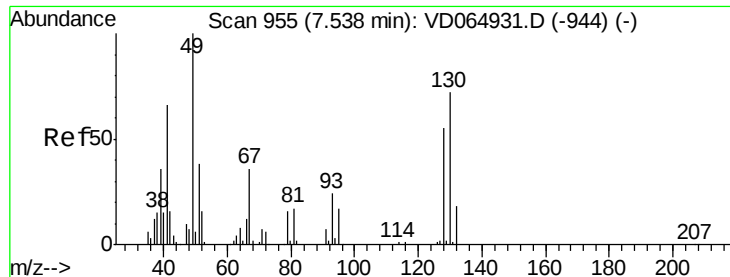
Tgt Ion: 83 Resp: 173412
Ion Ratio Lower Upper
83 100
55 80.5 58.7 88.1
98 47.8 40.2 60.2



#40
Benzene
Concen: 22.44 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion: 78 Resp: 416289
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8

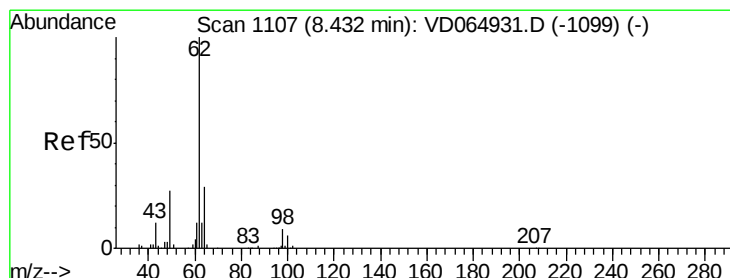
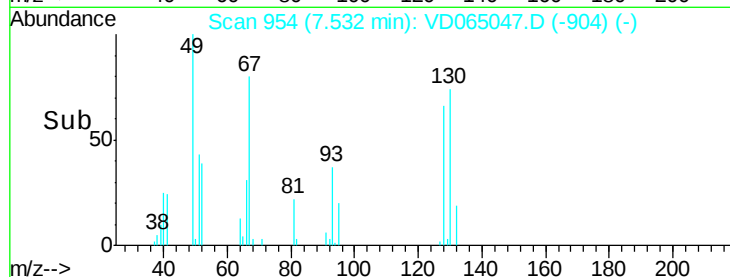
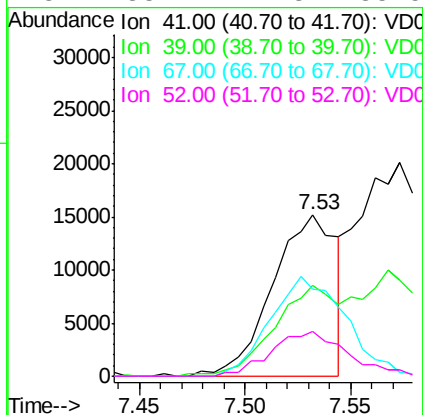
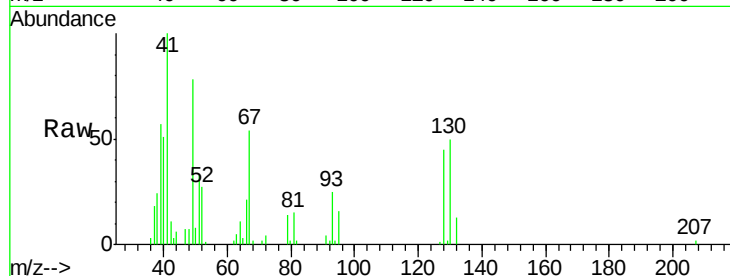




#41
Methacrylonitrile
Concen: 21.39 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

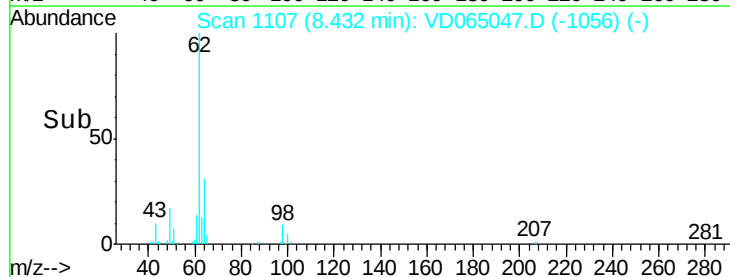
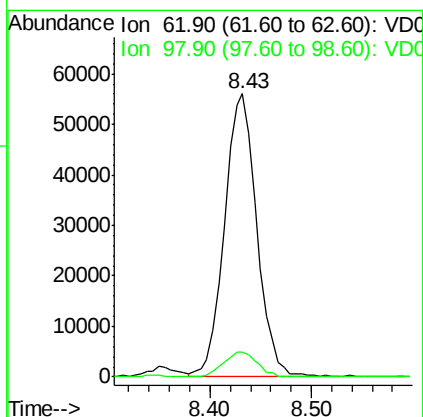
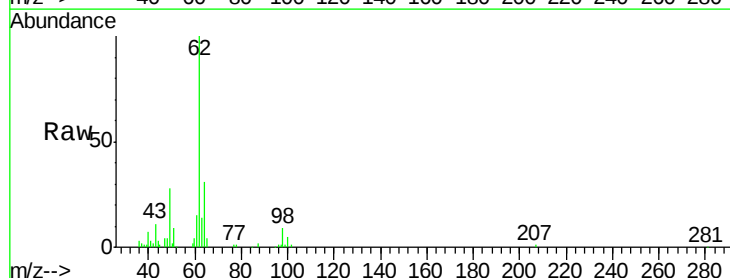
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBSD01

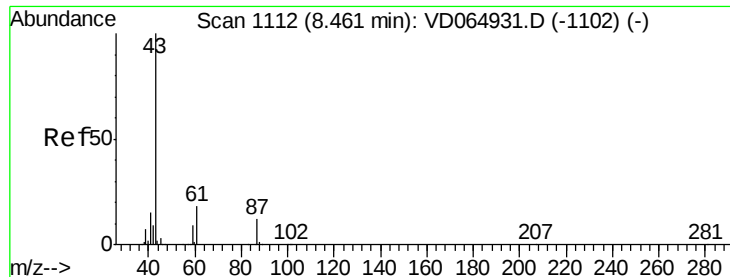
Tgt Ion:	41	Resp:	32071
Ion	Ratio	Lower	Upper
41	100		
39	54.6	49.3	73.9
67	73.2	51.0	76.6
52	33.4	22.3	33.5



#42
1,2-Dichloroethane
Concen: 22.35 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion:	62	Resp:	123520
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 20.83 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

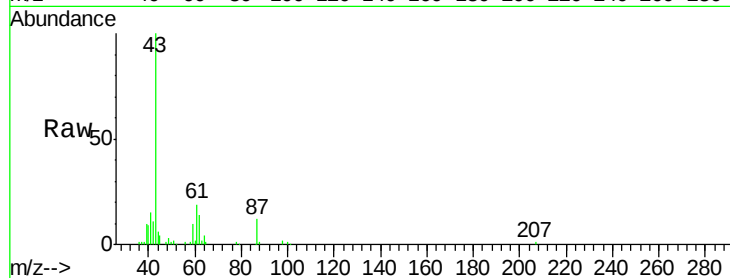
Tgt Ion: 43 Resp: 110094

Ion Ratio Lower Upper

43 100

61 30.5 23.8 35.6

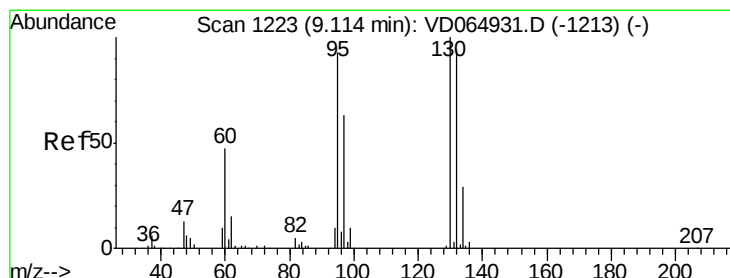
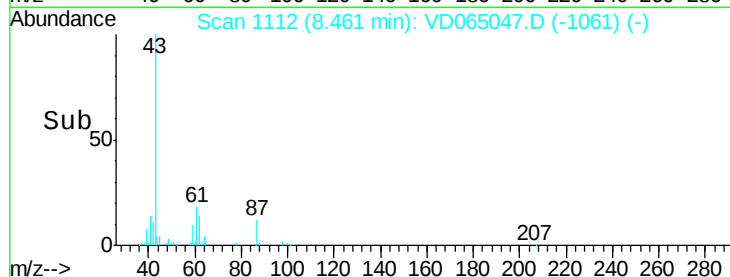
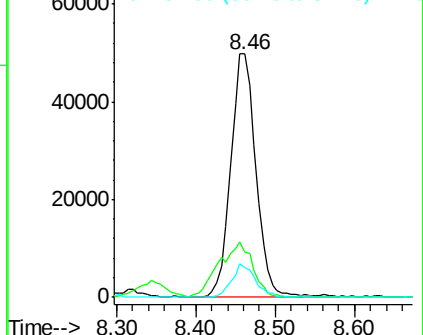
87 12.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.48 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065047.D

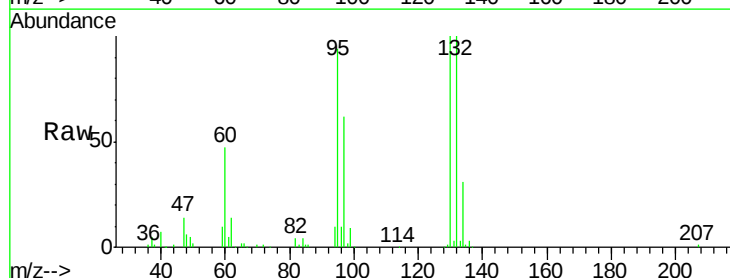
Acq: 03 Feb 2020 11:52

Tgt Ion: 130 Resp: 116726

Ion Ratio Lower Upper

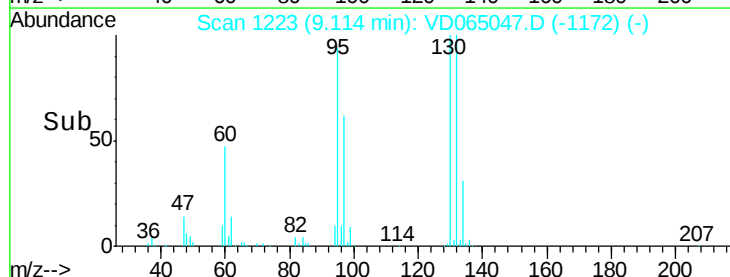
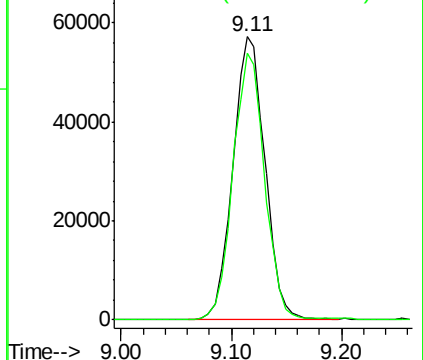
130 100

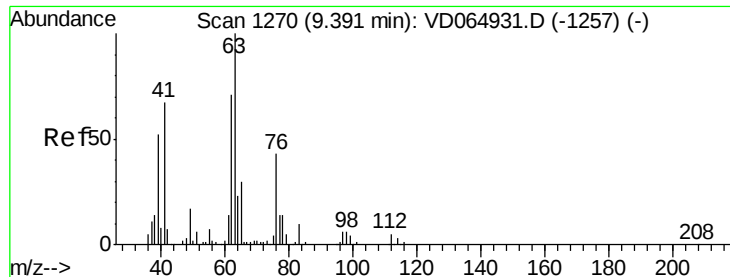
95 94.1 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.75 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

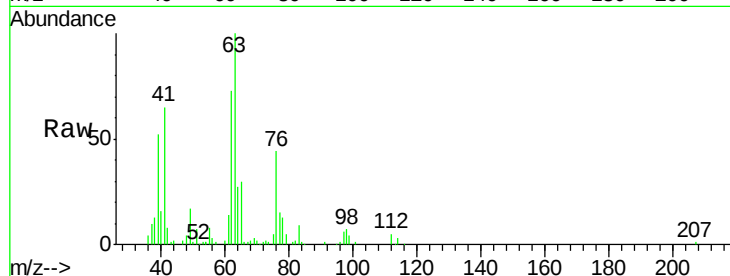
VD0203SBSD01

Tgt Ion: 63 Resp: 102320

Ion Ratio Lower Upper

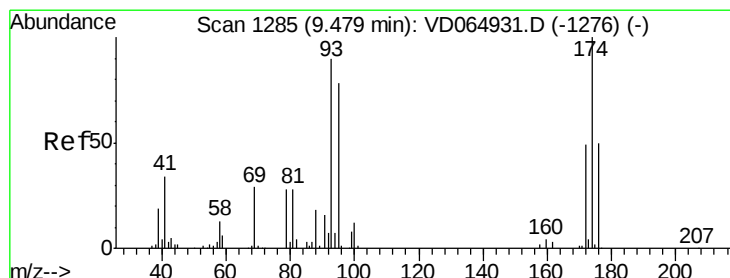
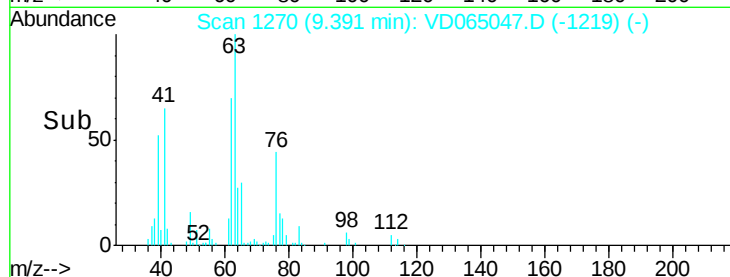
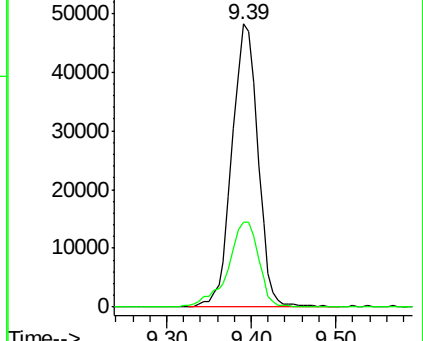
63 100

65 30.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 22.45 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

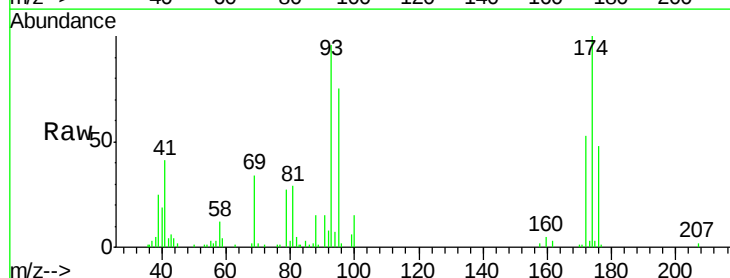
Tgt Ion: 93 Resp: 55133

Ion Ratio Lower Upper

93 100

95 80.7 67.5 101.3

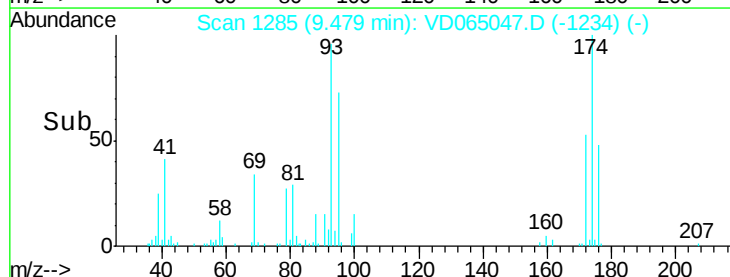
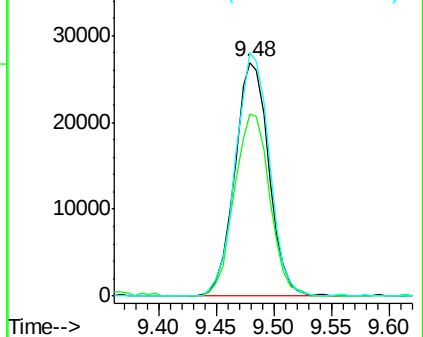
174 103.1 88.4 132.6

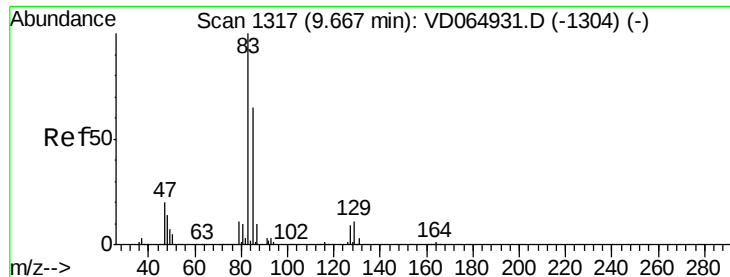


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 22.48 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

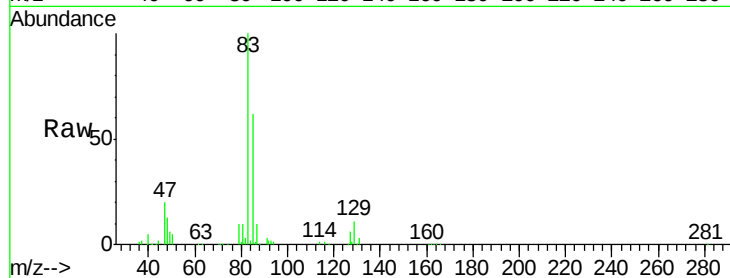
Tgt Ion: 83 Resp: 143643

Ion Ratio Lower Upper

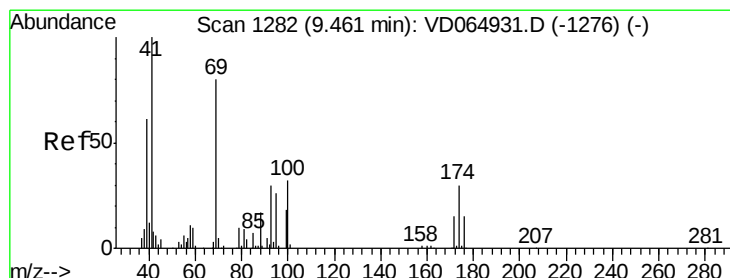
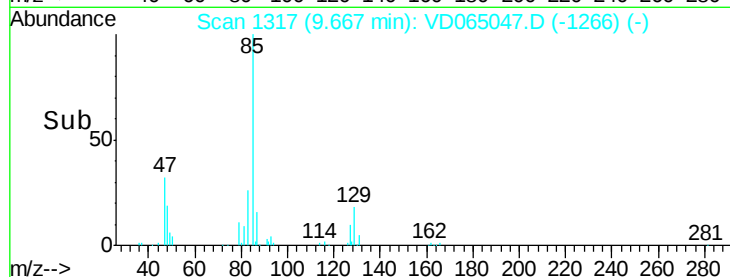
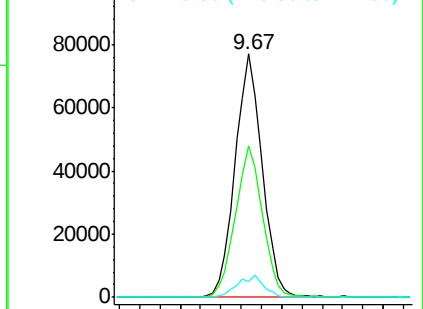
83 100

85 62.0 52.0 78.0

127 6.4 7.3 10.9#



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



#48

Methyl methacrylate

Concen: 20.73 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

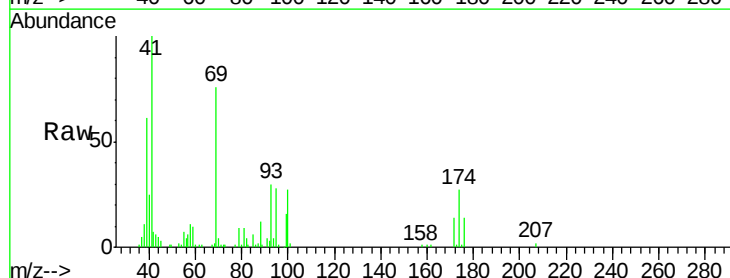
Tgt Ion: 41 Resp: 50423

Ion Ratio Lower Upper

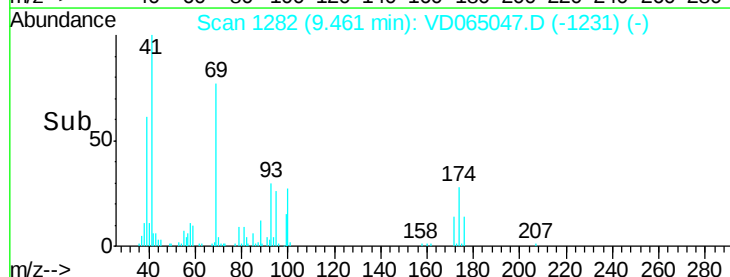
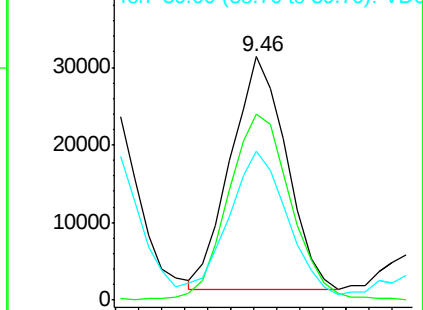
41 100

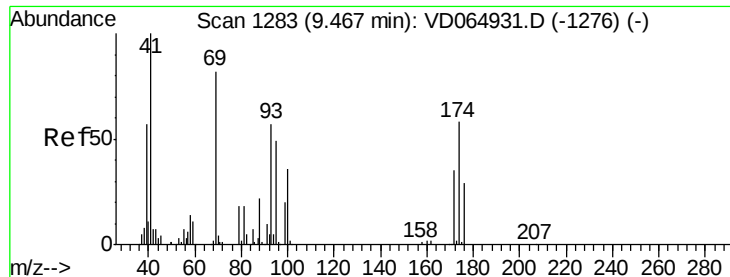
69 89.8 65.8 98.8

39 64.2 49.4 74.0



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: 403.58 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

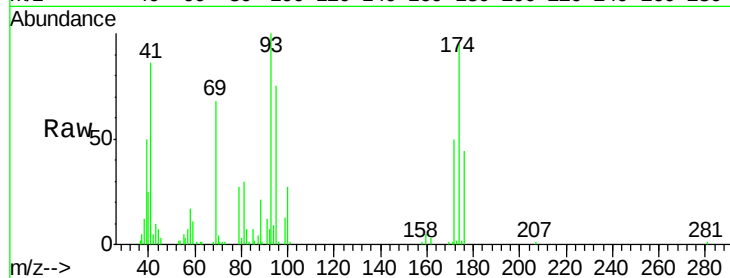
Tgt Ion: 88 Resp: 11494

Ion Ratio Lower Upper

88 100

43 41.0 26.2 39.4#

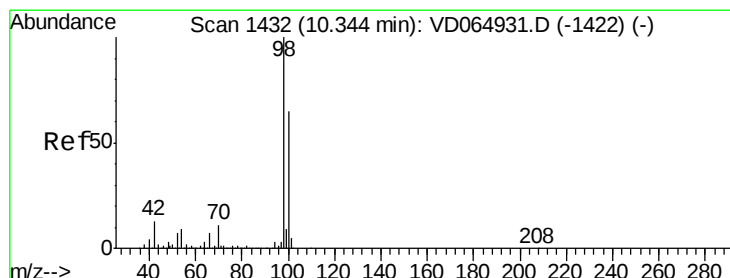
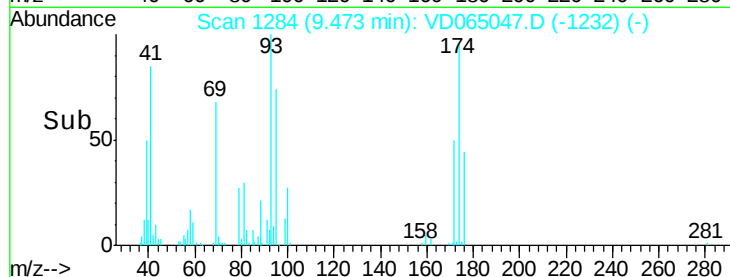
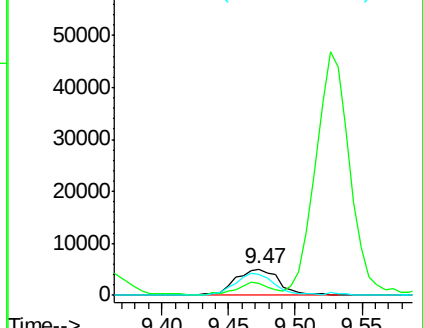
58 74.6 50.3 75.5



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 53.53 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065047.D

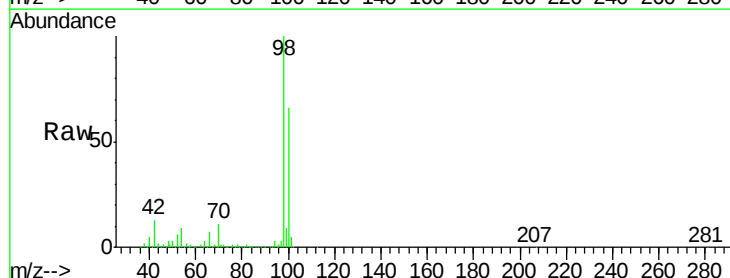
Acq: 03 Feb 2020 11:52

Tgt Ion: 98 Resp: 907064

Ion Ratio Lower Upper

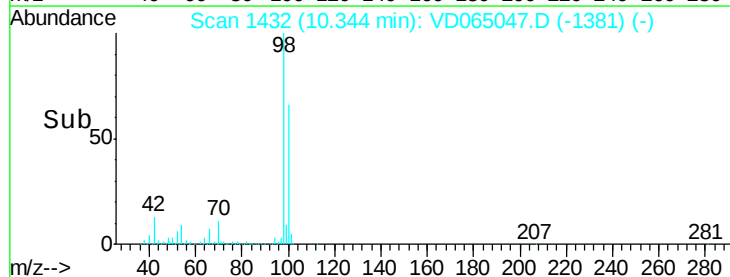
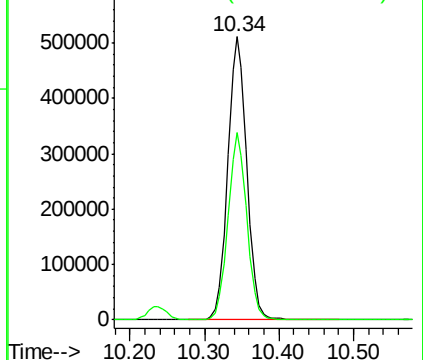
98 100

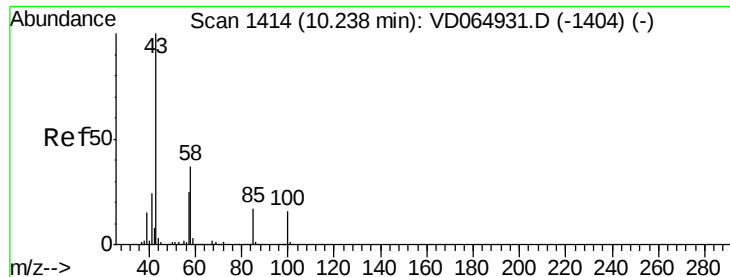
100 65.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 105.51 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

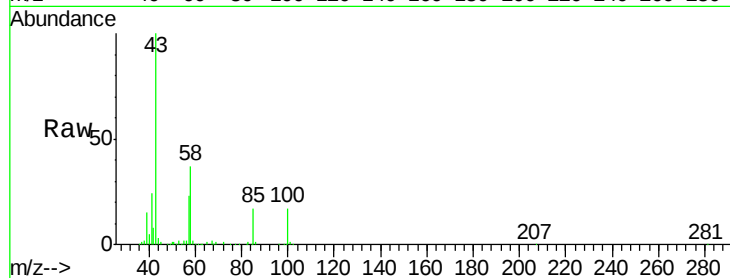
VD0203SBS01

Tgt Ion: 43 Resp: 279058

Ion Ratio Lower Upper

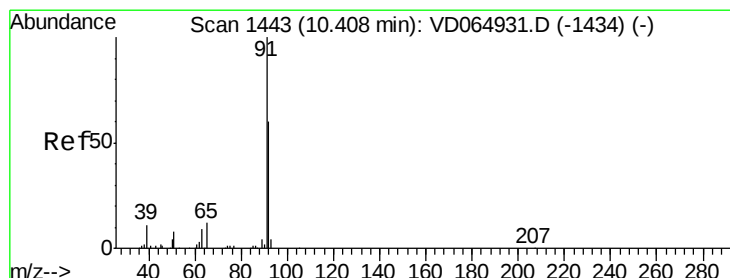
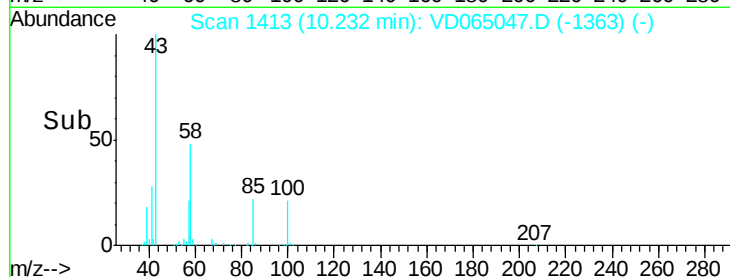
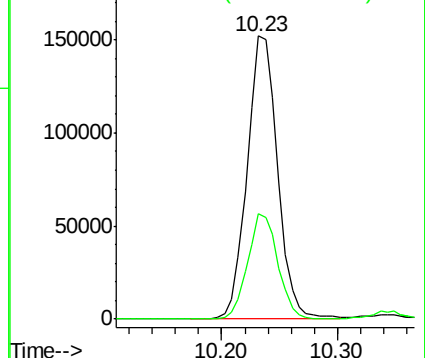
43 100

58 37.0 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.33 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065047.D

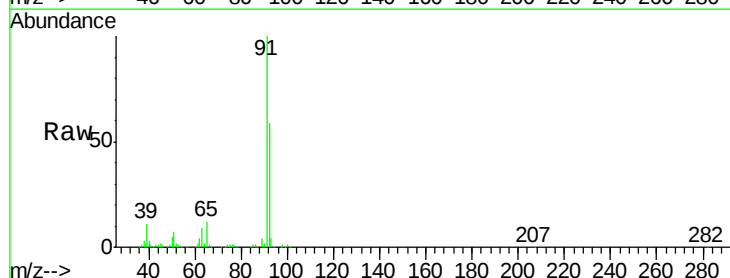
Acq: 03 Feb 2020 11:52

Tgt Ion: 92 Resp: 267076

Ion Ratio Lower Upper

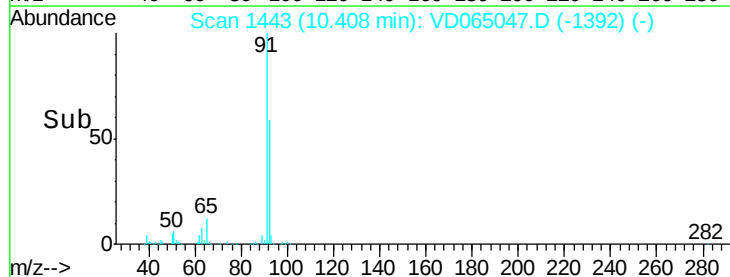
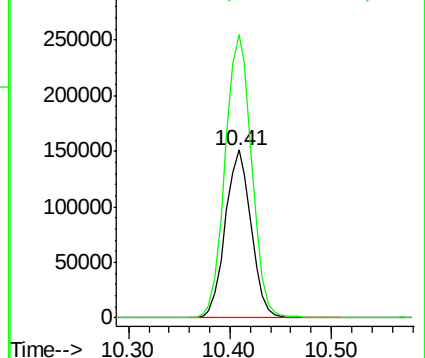
92 100

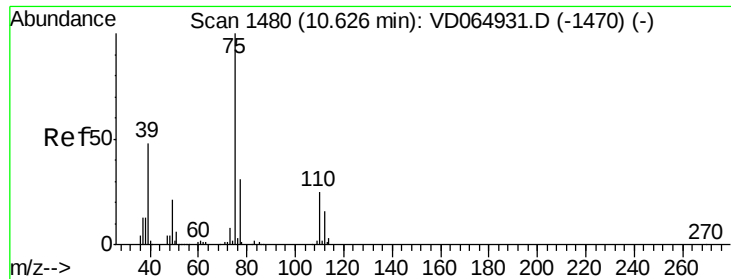
91 173.4 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.64 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

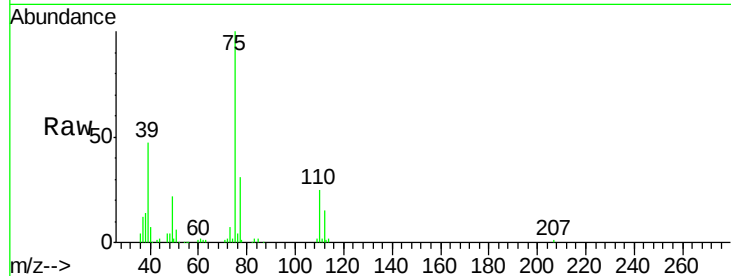
VD0203SBS01

Tgt Ion: 75 Resp: 131721

Ion Ratio Lower Upper

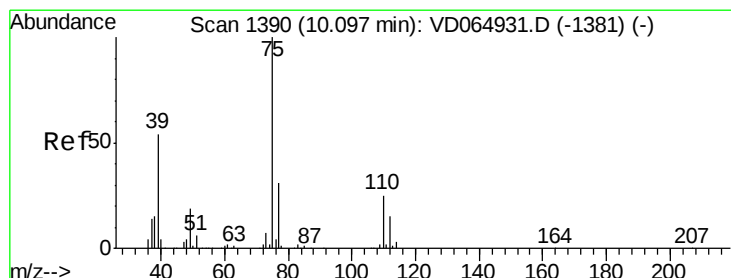
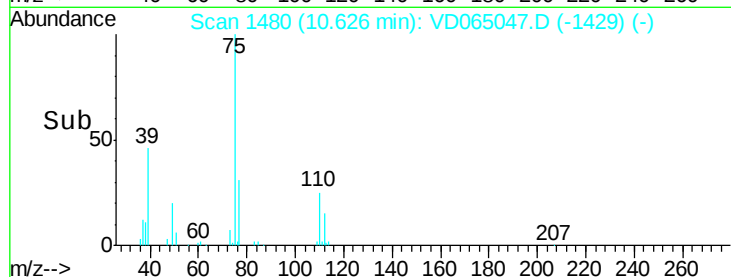
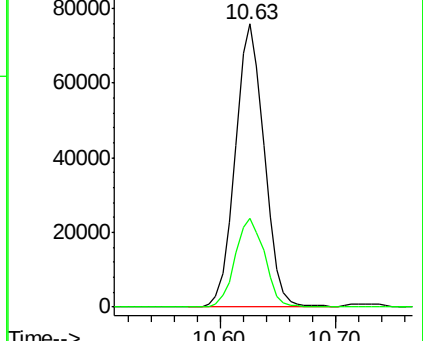
75 100

77 31.3 25.0 37.6



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: 21.73 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

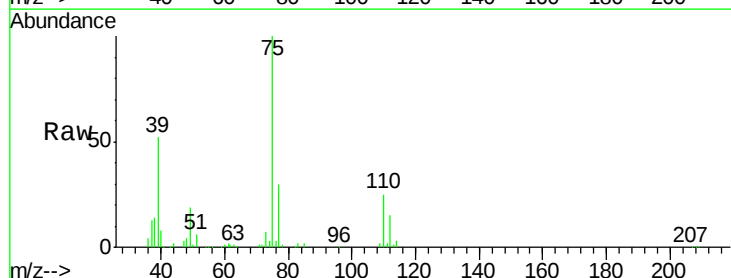
Tgt Ion: 75 Resp: 154836

Ion Ratio Lower Upper

75 100

77 30.3 25.1 37.7

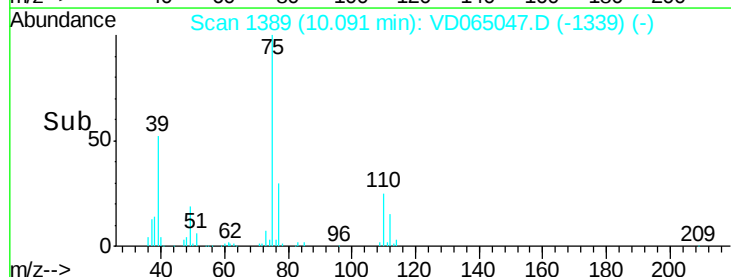
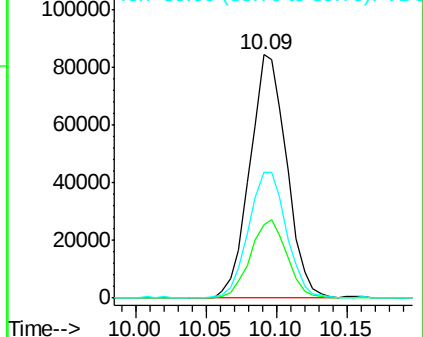
39 51.6 43.0 64.6

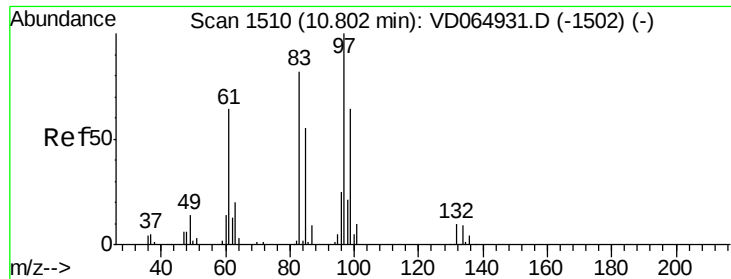


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 22.27 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

Tgt Ion: 97 Resp: 73664

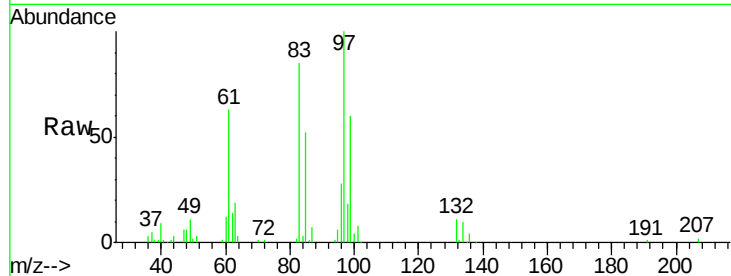
Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.0	99.0
85	51.9	44.4	66.6
99	60.4	51.4	77.0

97 100

83 84.7 66.0 99.0

85 51.9 44.4 66.6

99 60.4 51.4 77.0



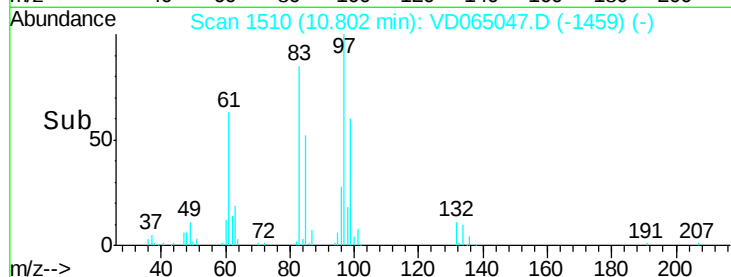
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

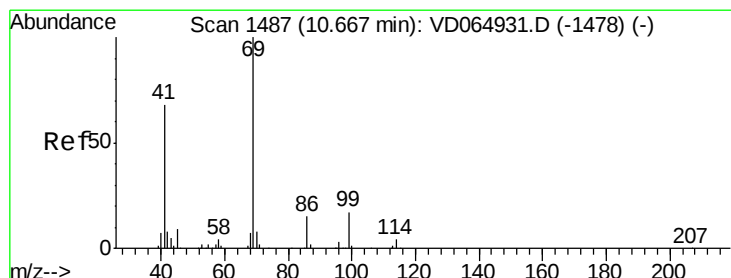
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 21.12 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

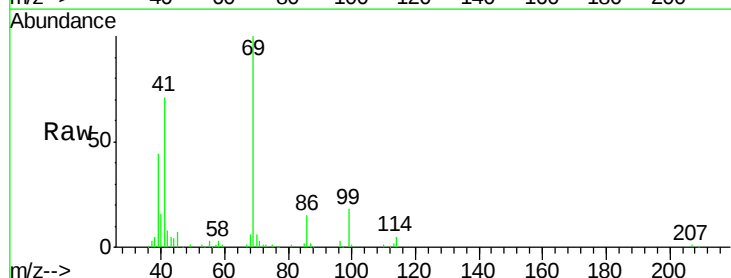
Tgt Ion: 69 Resp: 83549

Ion	Ratio	Lower	Upper
69	100		
41	75.0	56.4	84.6
39	39.4	30.6	46.0

69 100

41 75.0 56.4 84.6

39 39.4 30.6 46.0

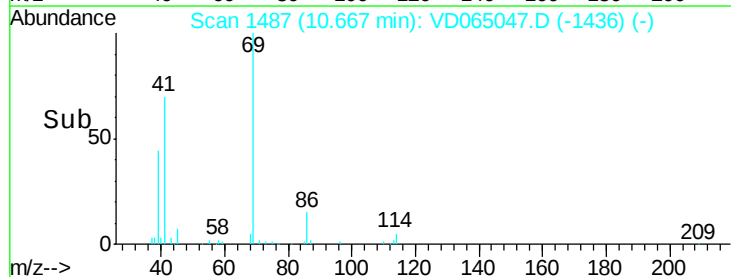


Abundance Ion 69.00 (68.70 to 69.70): VDC

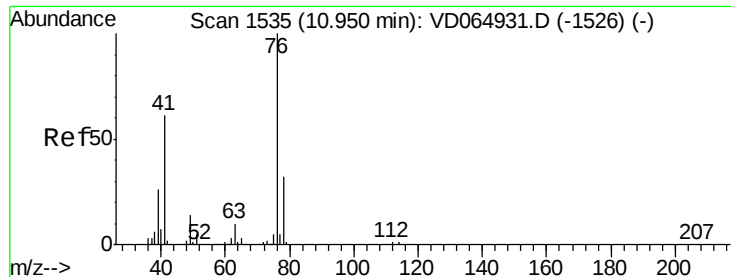
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->



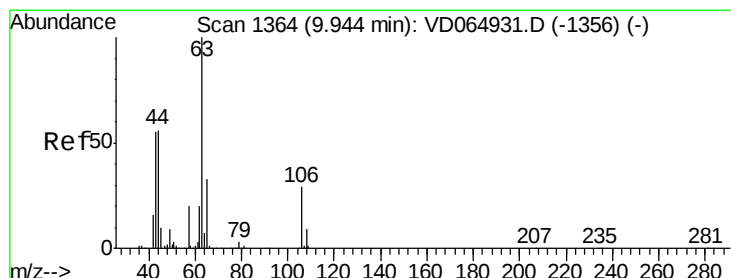
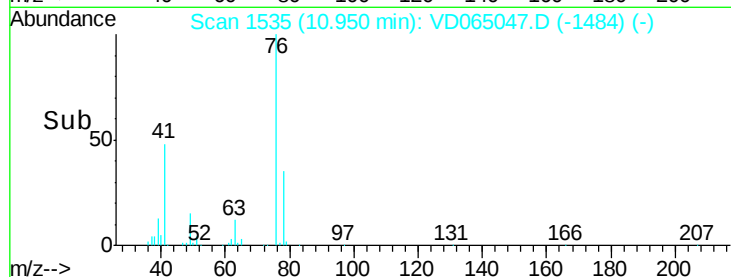
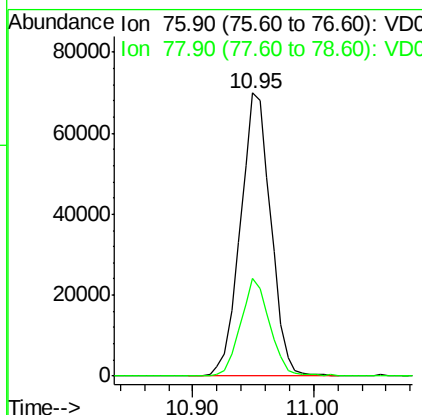
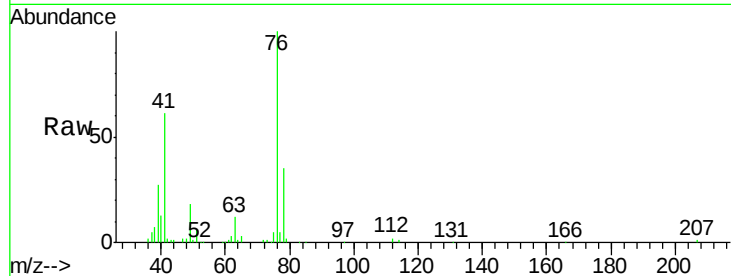
Time-->



#57
 1,3-Dichloropropane
 Concen: 21.67 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

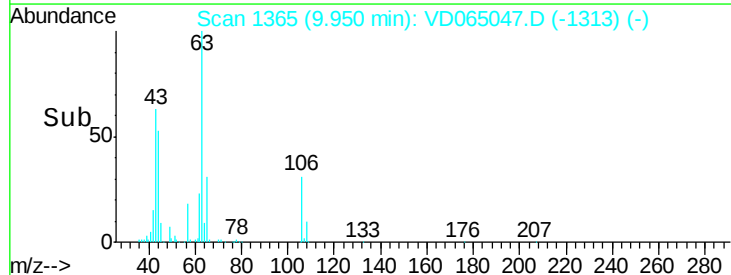
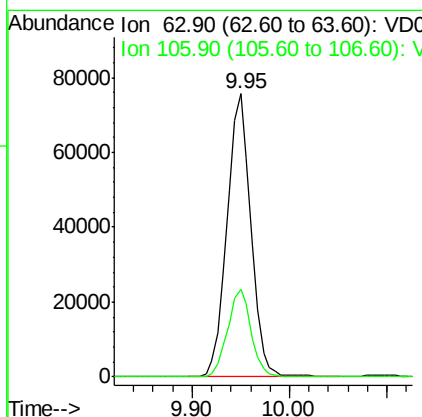
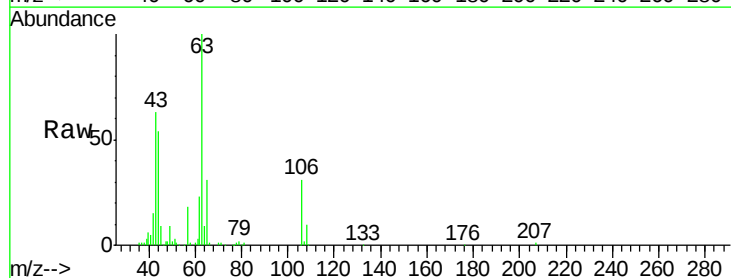
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

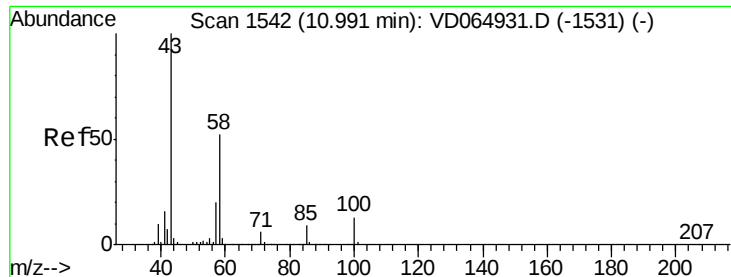
Tgt Ion: 76 Resp: 122931
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.58 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Tgt Ion: 63 Resp: 128232
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.0 34.4

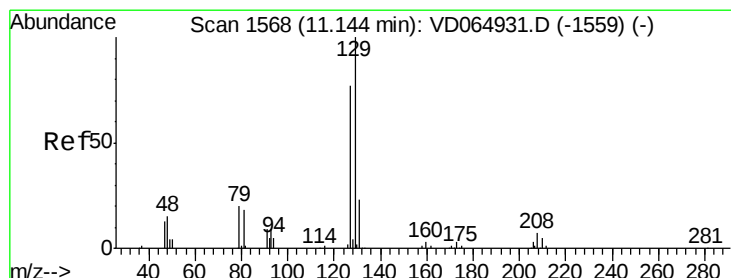
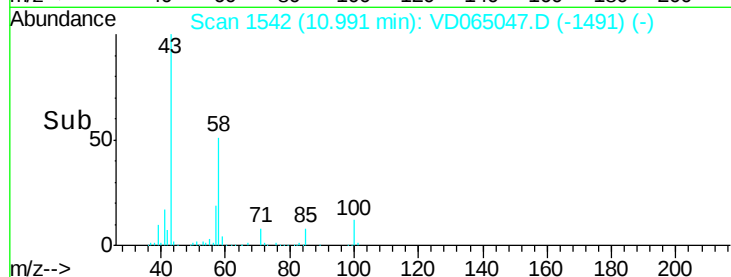
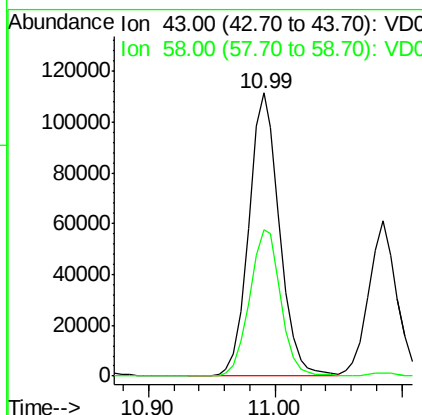
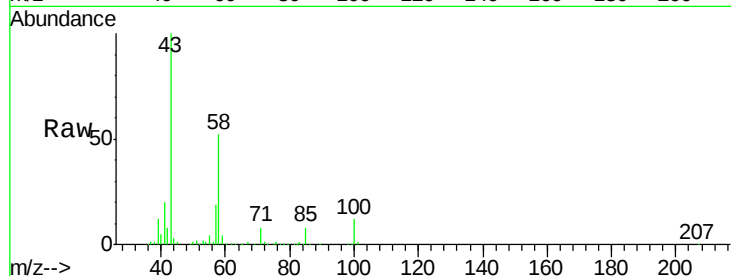




#59
2-Hexanone
Concen: 102.81 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

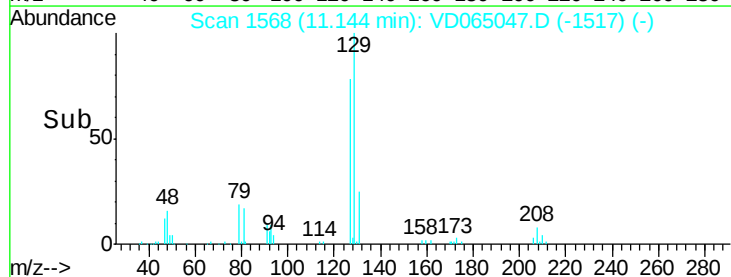
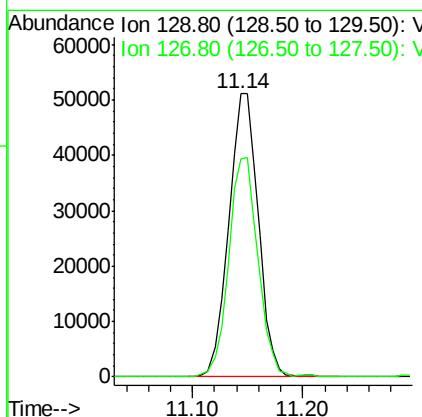
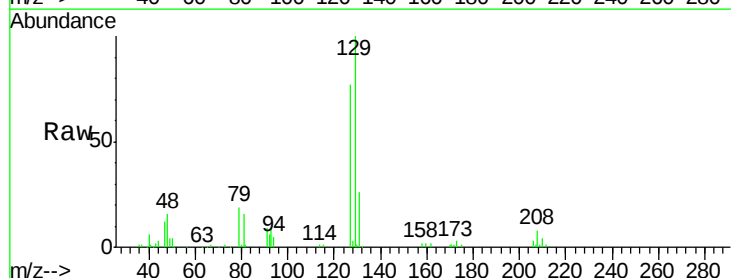
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBSD01

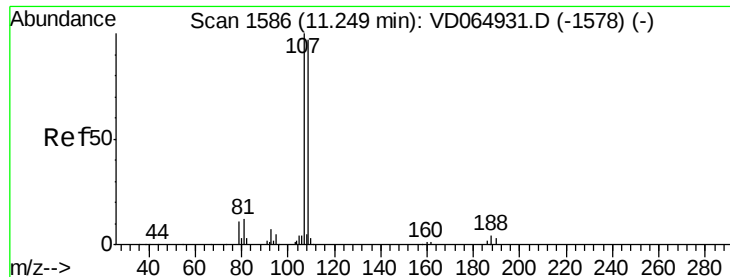
Tgt Ion: 43 Resp: 187564
Ion Ratio Lower Upper
43 100
58 52.3 26.5 79.4



#60
Dibromochloromethane
Concen: 21.74 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion: 129 Resp: 96105
Ion Ratio Lower Upper
129 100
127 76.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.63 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

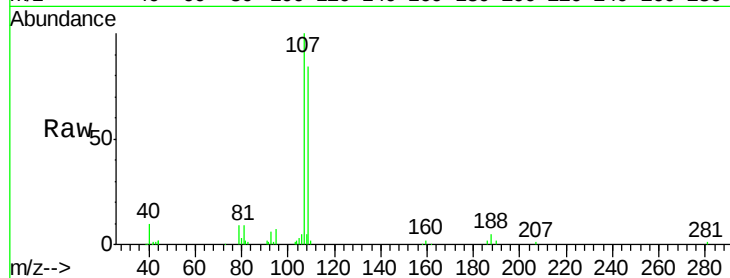
VD0203SBSD01

Tgt Ion: 107 Resp: 68881

Ion Ratio Lower Upper

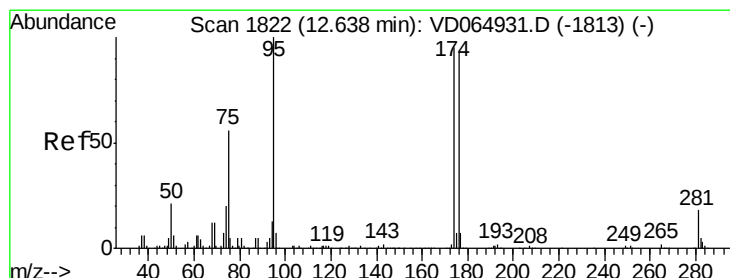
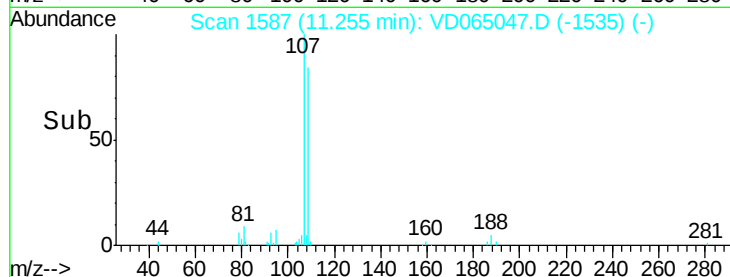
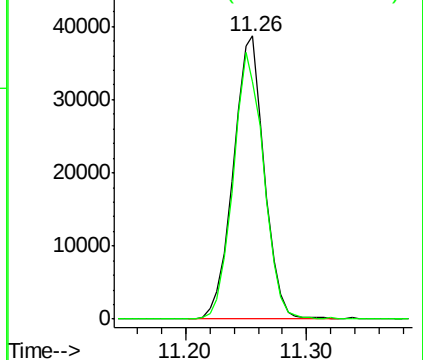
107 100

109 93.1 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.45 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

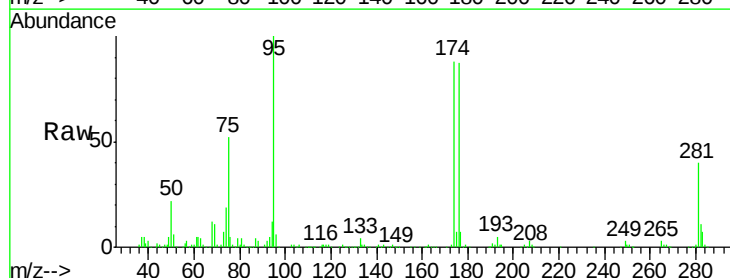
Tgt Ion: 95 Resp: 282370

Ion Ratio Lower Upper

95 100

174 91.9 0.0 186.8

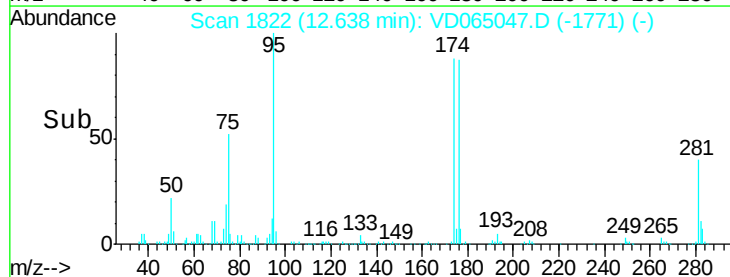
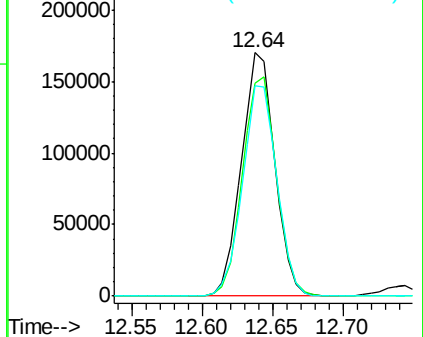
176 88.9 0.0 183.4

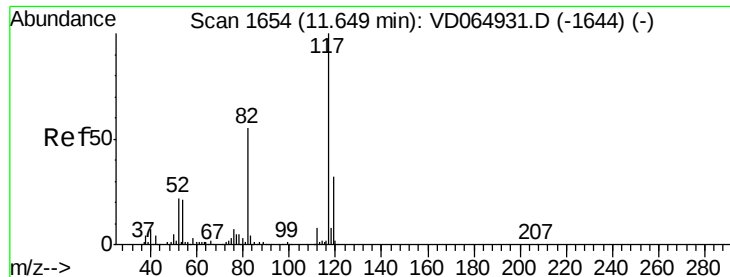


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

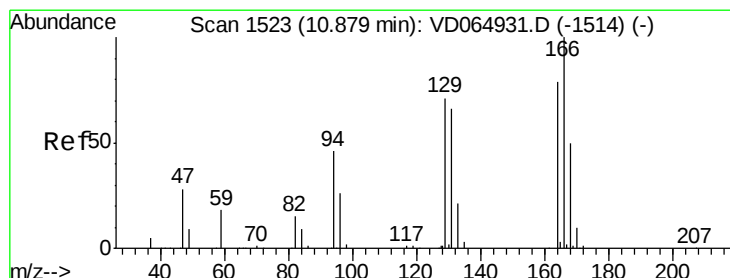
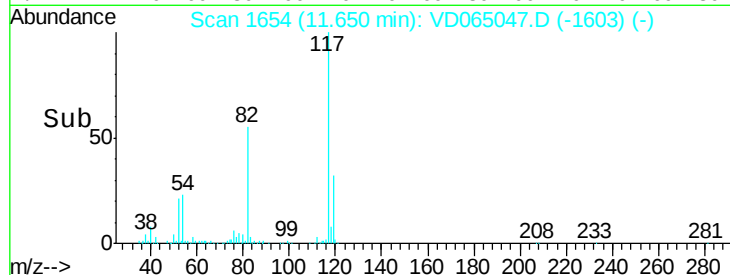
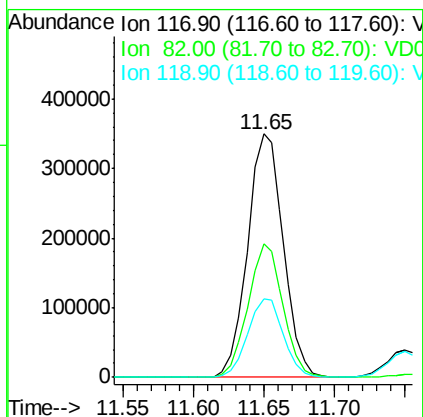
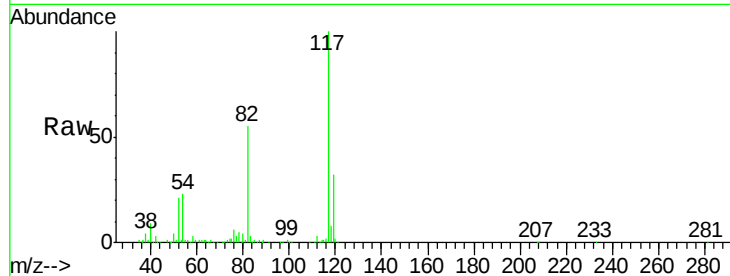




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

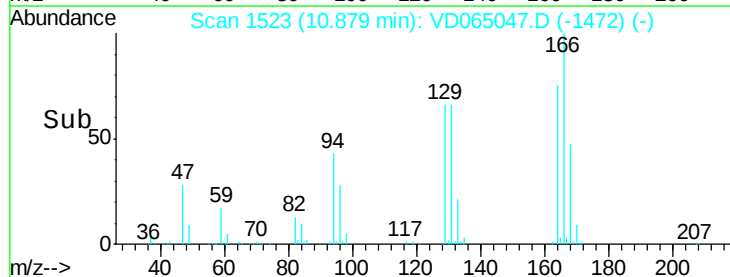
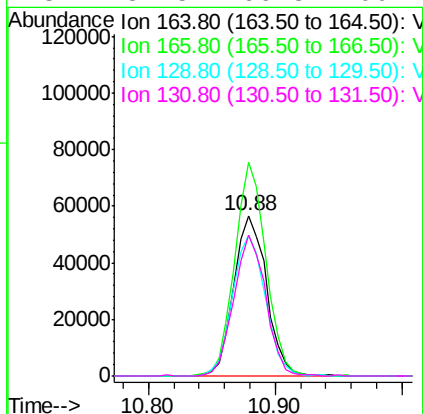
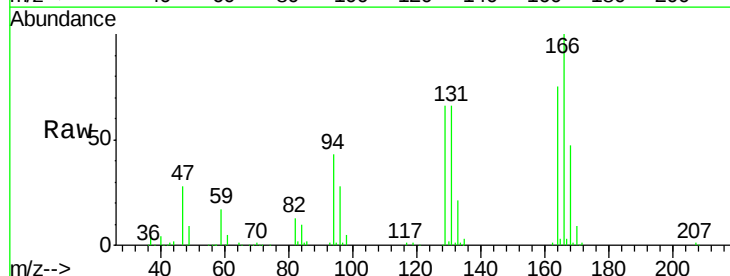
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBSD01

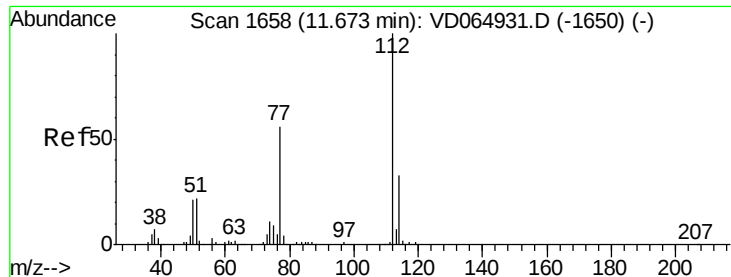
Tgt Ion:117 Resp: 621571
Ion Ratio Lower Upper
117 100
82 54.9 43.6 65.4
119 32.2 25.2 37.8



#64
Tetrachloroethene
Concen: 22.51 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion:164 Resp: 101098
Ion Ratio Lower Upper
164 100
166 133.1 101.4 152.2
129 87.6 71.8 107.8
131 87.5 66.8 100.2

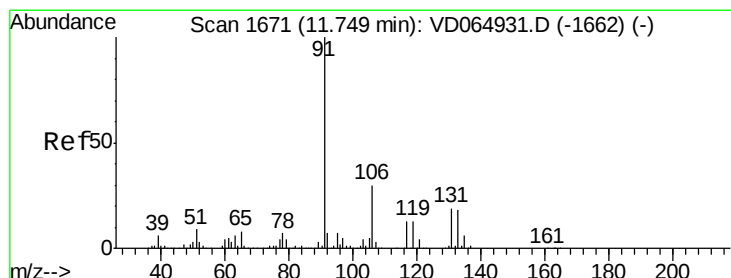
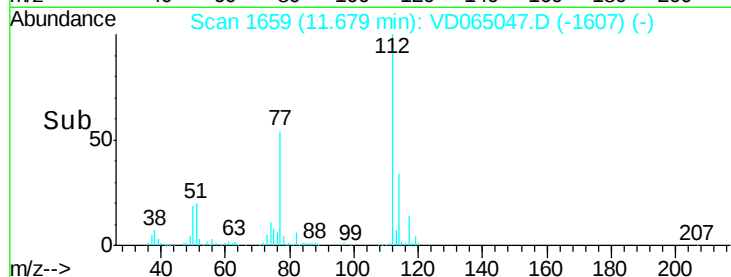
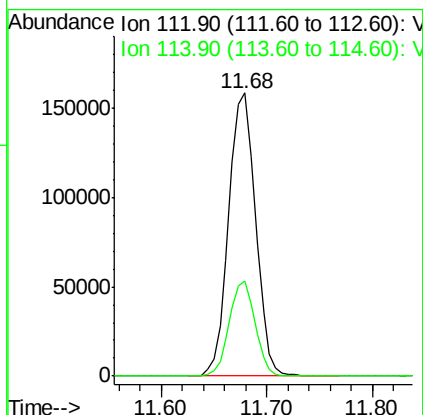
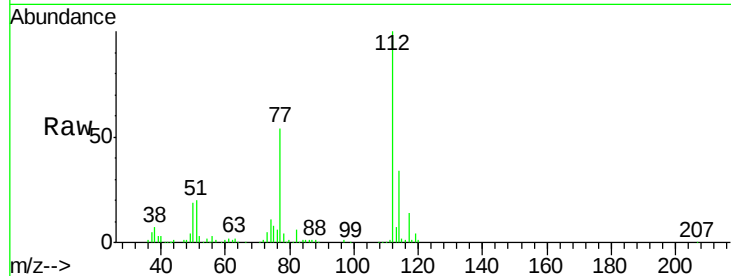




#65
Chlorobenzene
Concen: 22.13 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

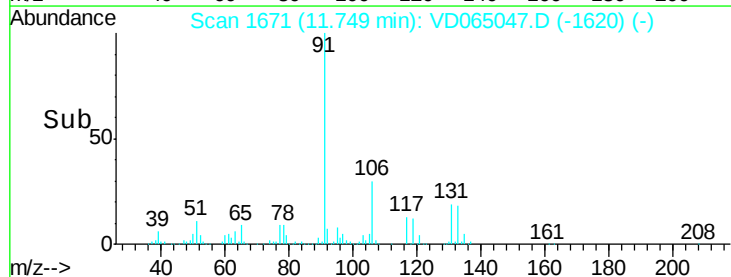
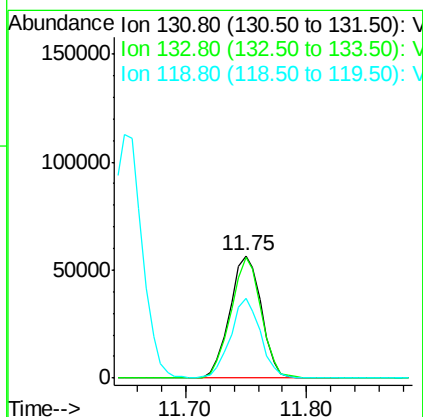
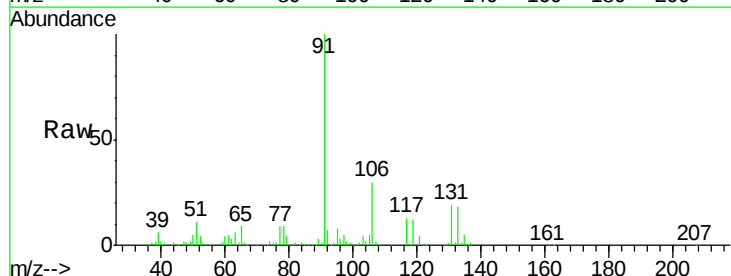
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBSD01

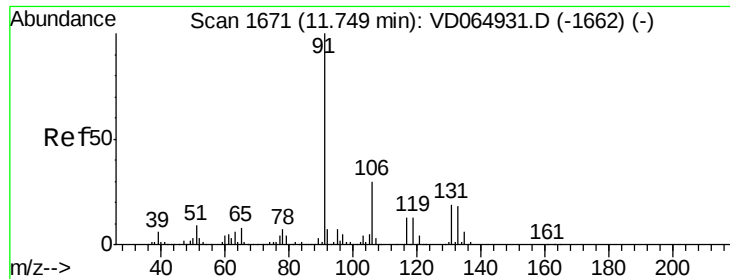
Tgt Ion:112 Resp: 279327
Ion Ratio Lower Upper
112 100
114 33.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.66 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion:131 Resp: 102820
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.5
119 62.1 31.1 93.5





#67

Ethyl Benzene

Concen: 22.29 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

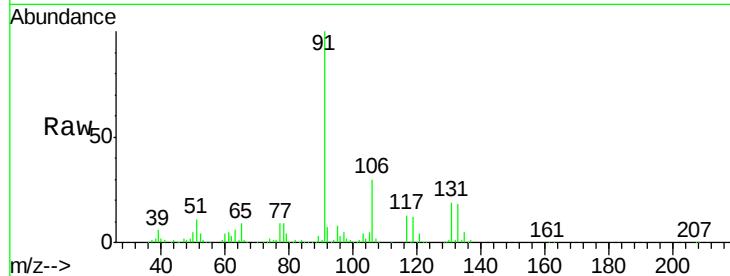
VD0203SBS01

Tgt Ion: 91 Resp: 499404

Ion Ratio Lower Upper

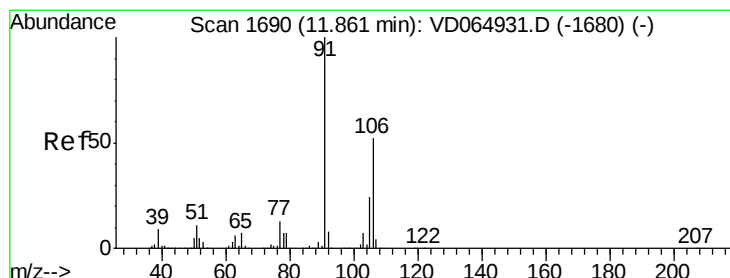
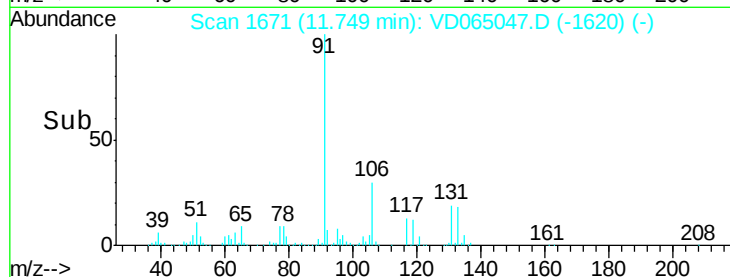
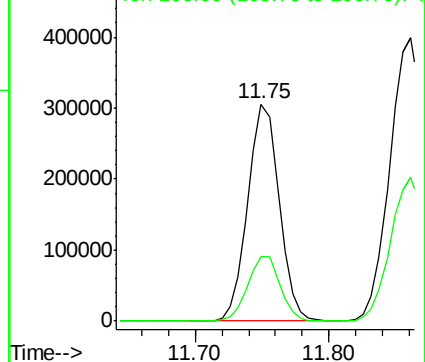
91 100

106 29.9 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 44.46 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065047.D

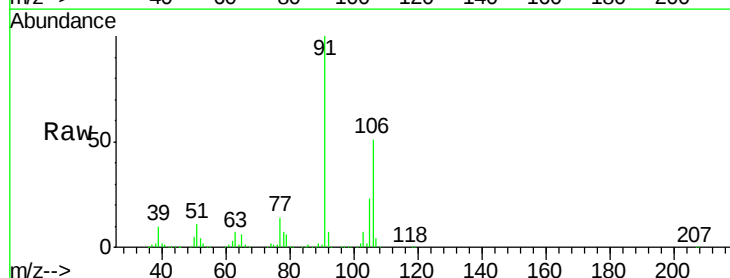
Acq: 03 Feb 2020 11:52

Tgt Ion: 106 Resp: 383504

Ion Ratio Lower Upper

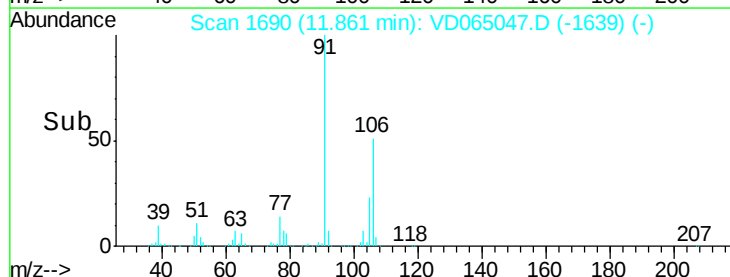
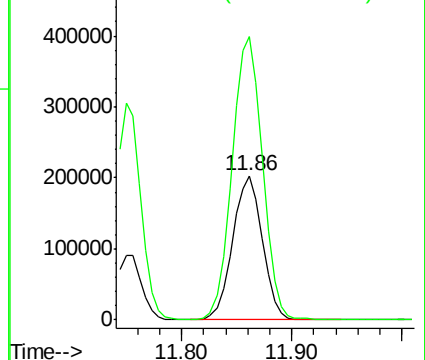
106 100

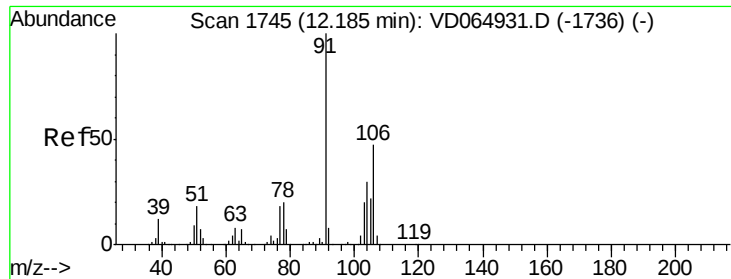
91 200.7 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

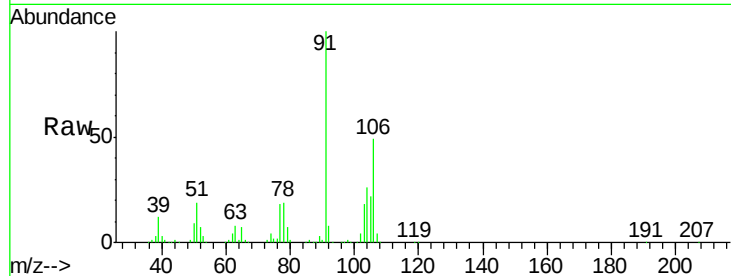




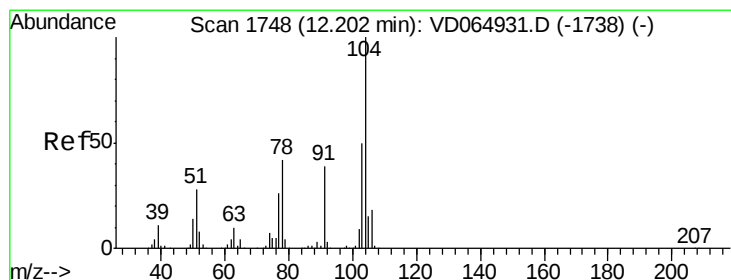
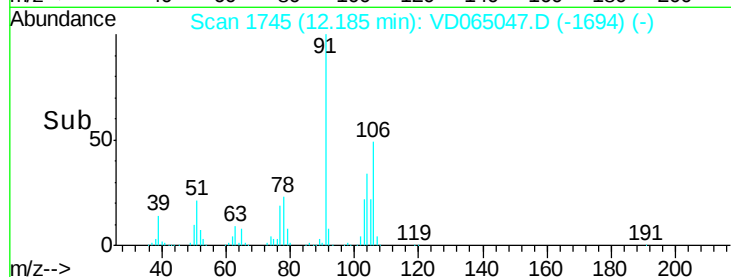
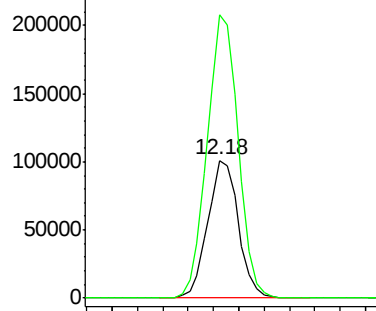
#69
o-Xylene
Concen: 22.02 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VD0203SBSD01

Tgt Ion:106 Resp: 168622
Ion Ratio Lower Upper
106 100
91 208.9 106.7 319.9

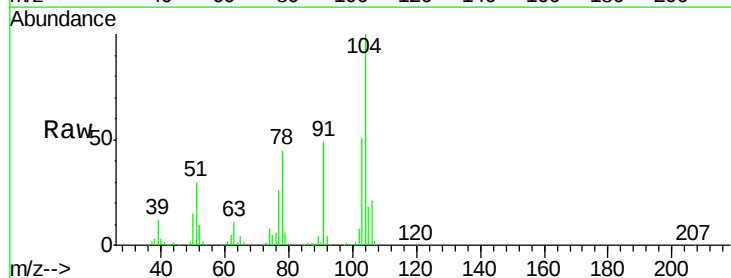


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

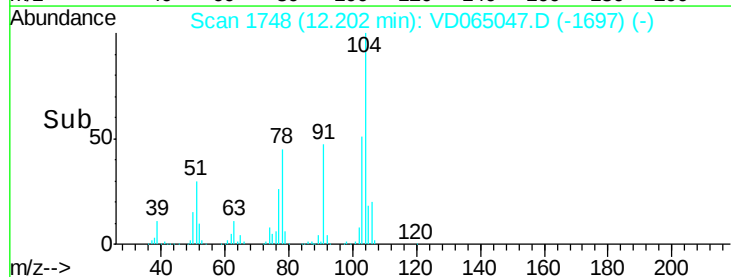
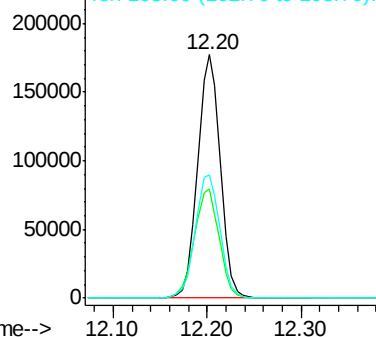


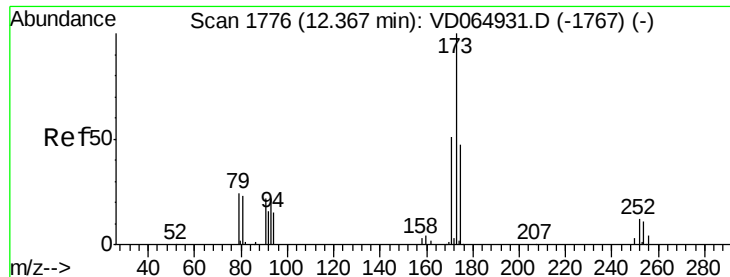
#70
Styrene
Concen: 21.73 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065047.D
Acq: 03 Feb 2020 11:52

Tgt Ion:104 Resp: 296340
Ion Ratio Lower Upper
104 100
78 49.1 38.3 57.5
103 55.5 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.86 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

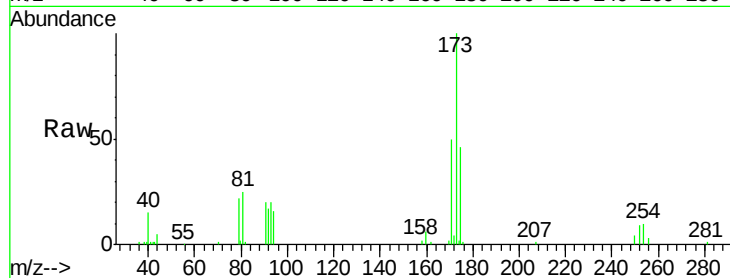
Tgt Ion:173 Resp: 57683

Ion Ratio Lower Upper

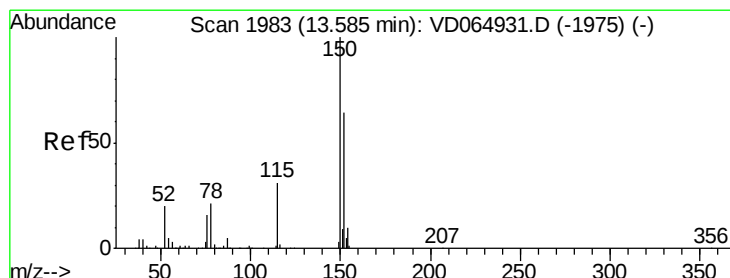
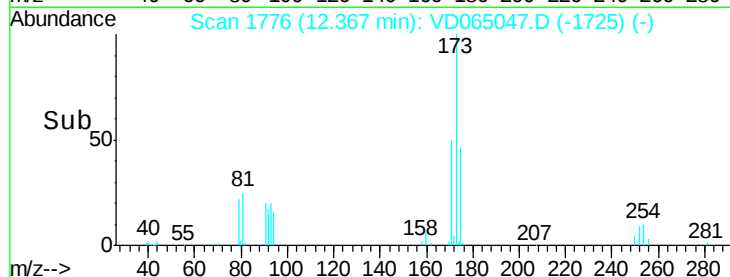
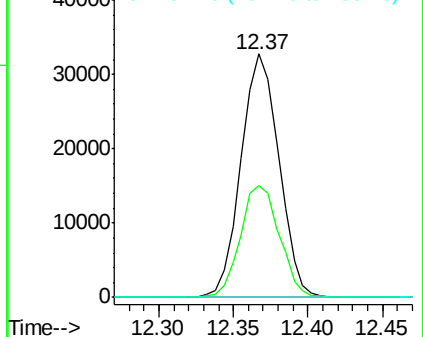
173 100

175 47.1 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

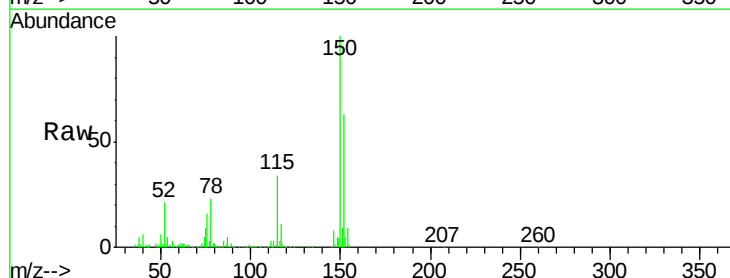
Tgt Ion:152 Resp: 296602

Ion Ratio Lower Upper

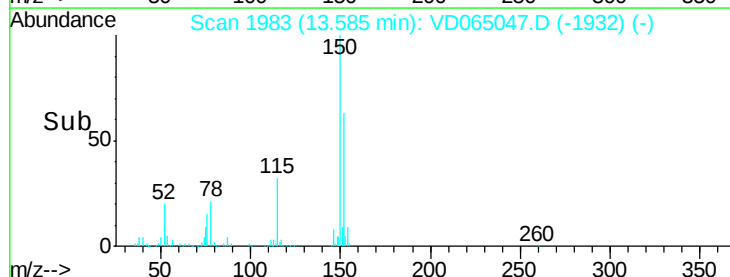
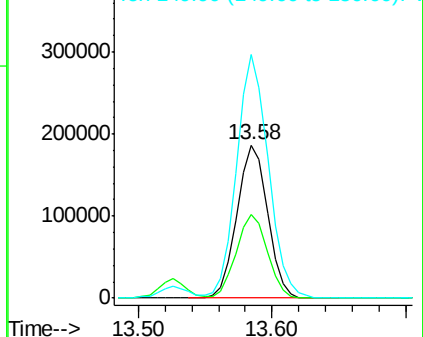
152 100

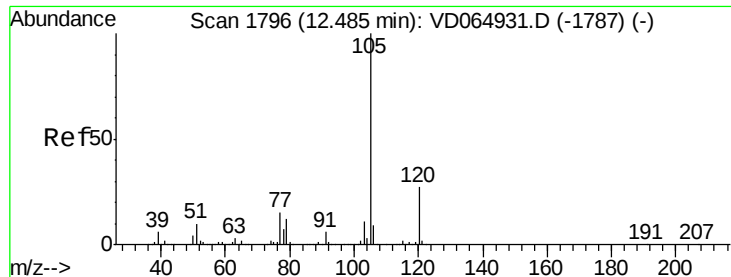
115 55.7 28.1 84.4

150 164.8 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.90 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

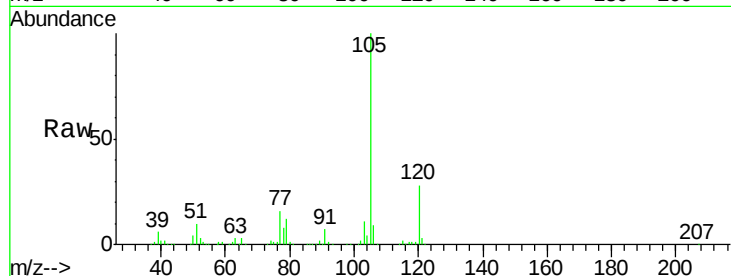
VD0203SBSD01

Tgt Ion: 105 Resp: 464279

Ion Ratio Lower Upper

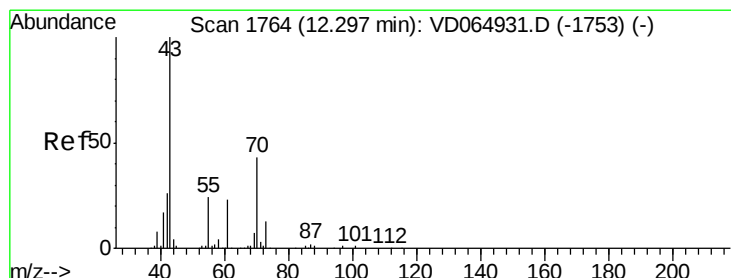
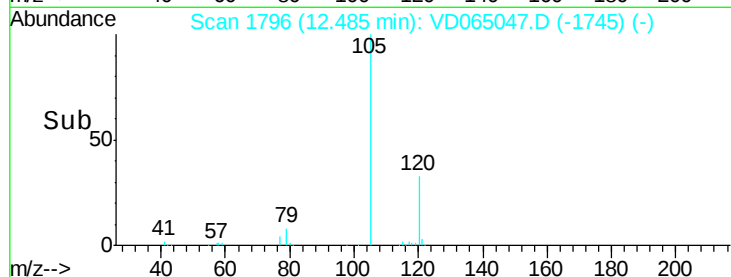
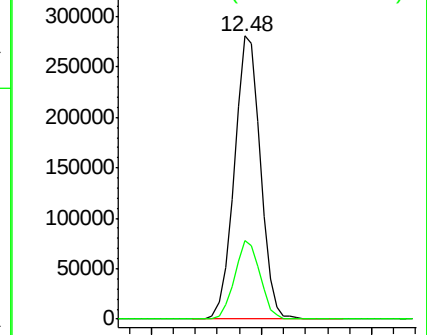
105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.55 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Tgt Ion: 43 Resp: 97760

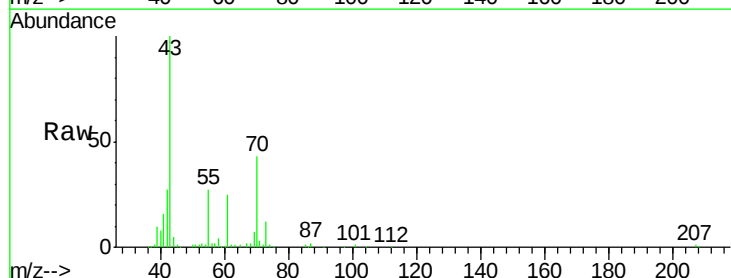
Ion Ratio Lower Upper

43 100

70 40.4 32.6 49.0

55 27.1 19.9 29.9

61 24.3 18.3 27.5

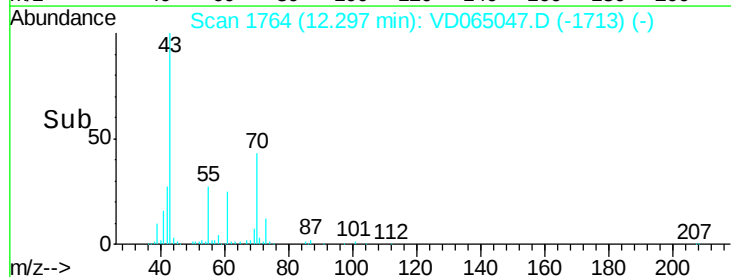
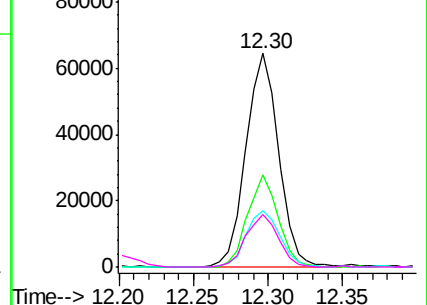


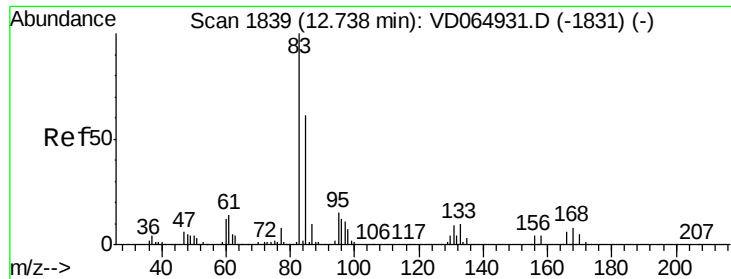
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.05 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

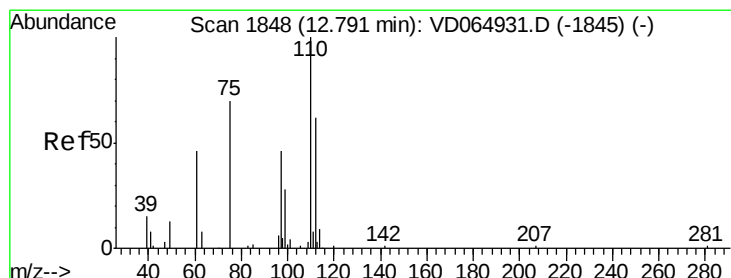
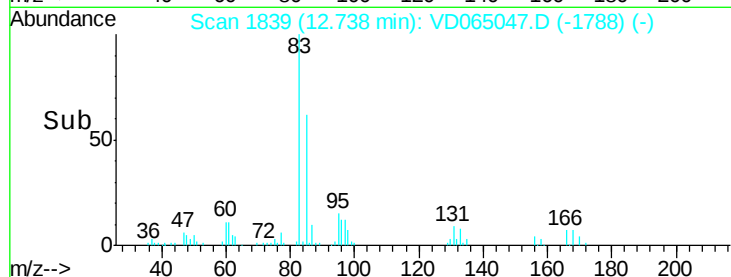
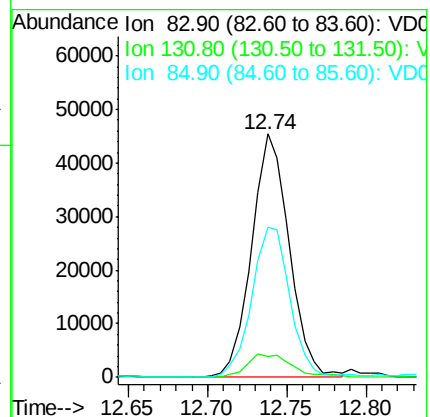
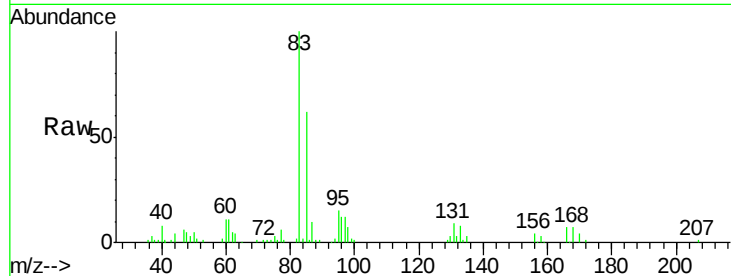
Tgt Ion: 83 Resp: 75135

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

85 62.3 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 41.40 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065047.D

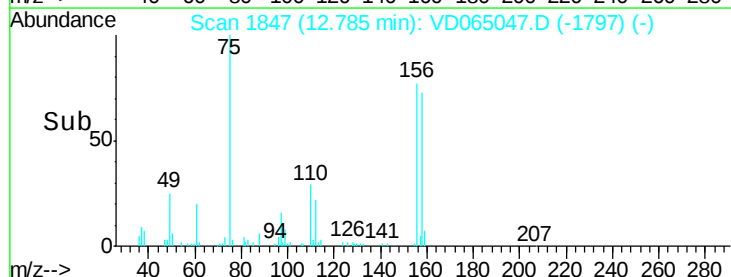
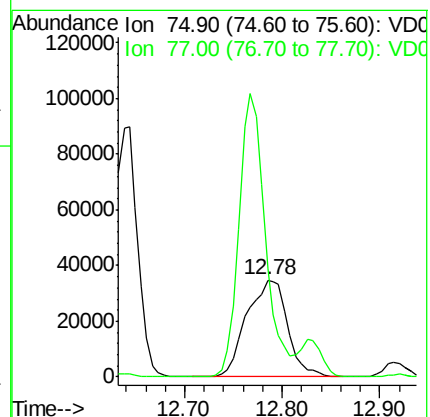
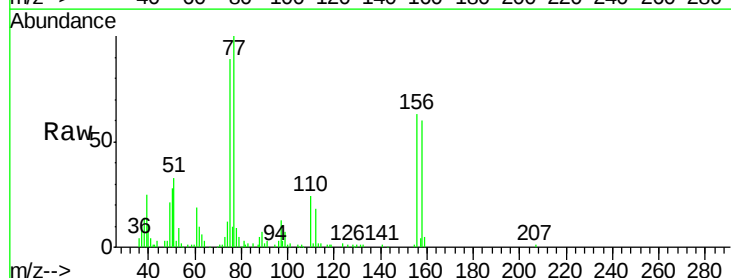
Acq: 03 Feb 2020 11:52

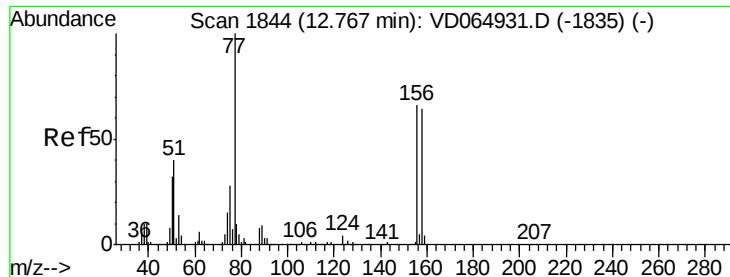
Tgt Ion: 75 Resp: 101915

Ion Ratio Lower Upper

75 100

77 186.8 0.0 0.0#





#77

Bromobenzene

Concen: 22.80 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

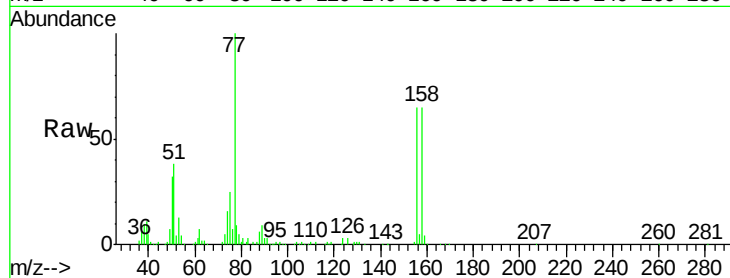
Tgt Ion:156 Resp: 113095

Ion Ratio Lower Upper

156 100

77 168.4 84.2 252.5

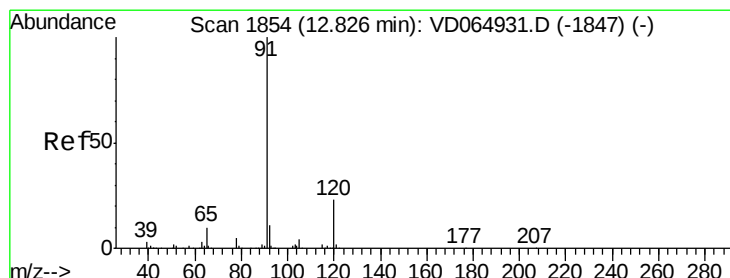
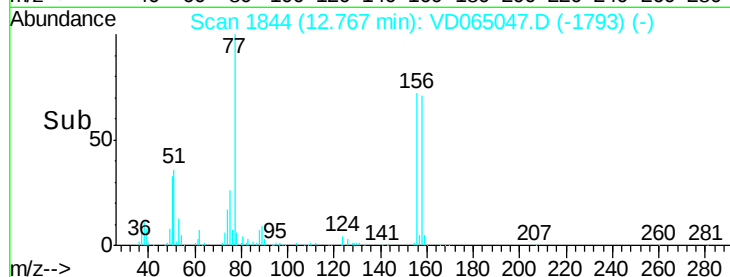
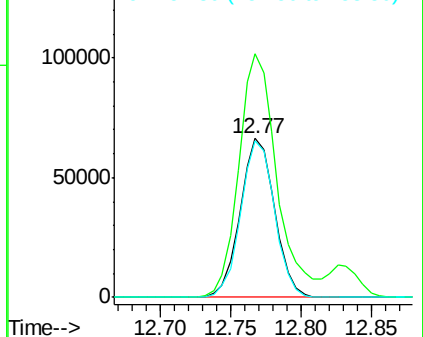
158 96.7 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.27 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065047.D

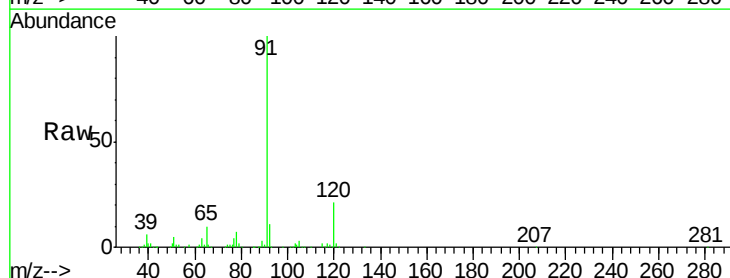
Acq: 03 Feb 2020 11:52

Tgt Ion: 91 Resp: 561121

Ion Ratio Lower Upper

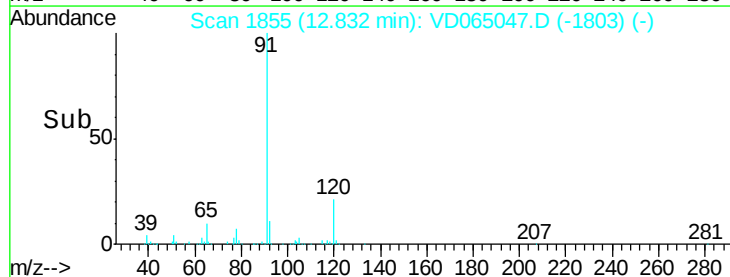
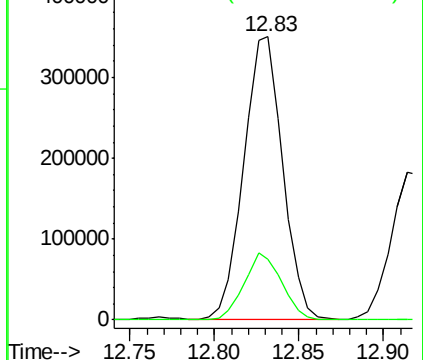
91 100

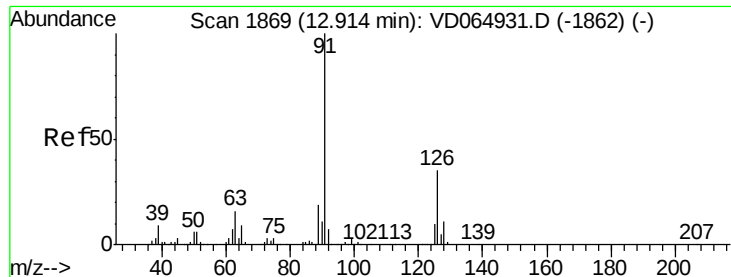
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.22 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

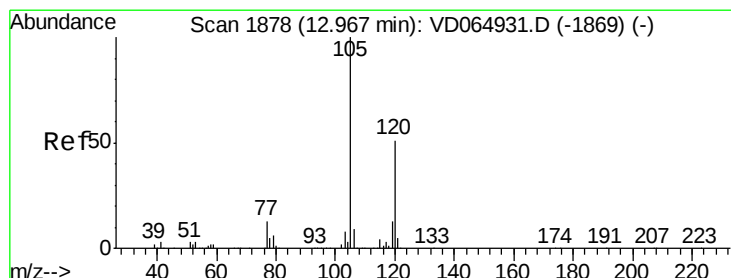
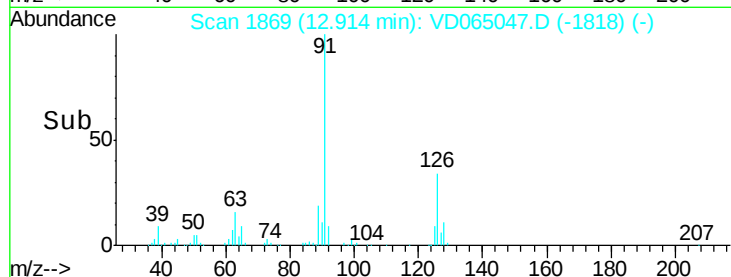
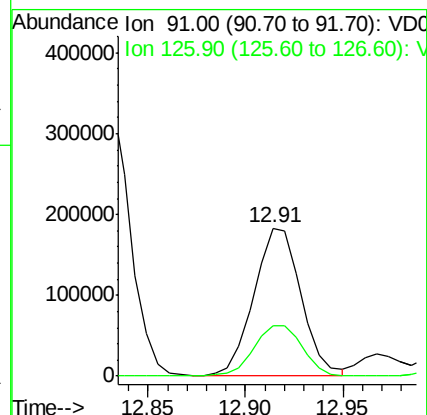
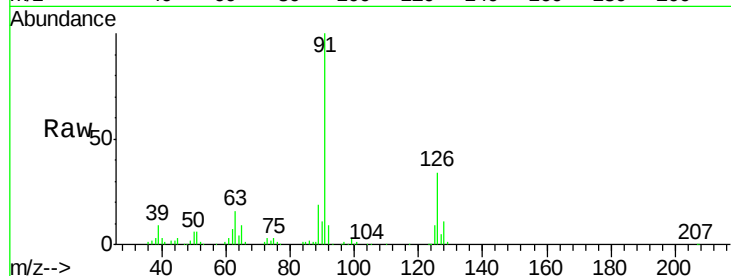
VD0203SBS01

Tgt Ion: 91 Resp: 307085

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 22.96 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065047.D

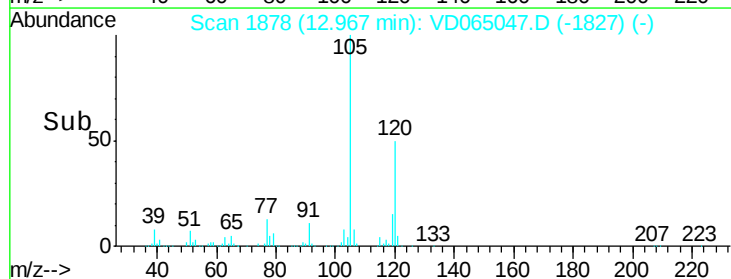
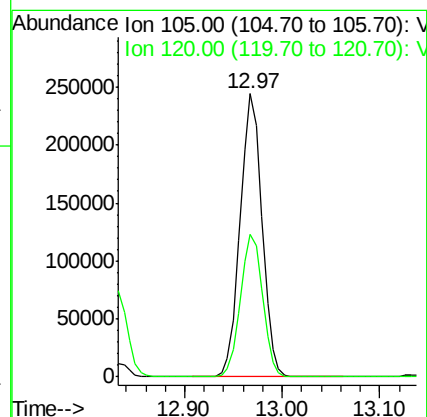
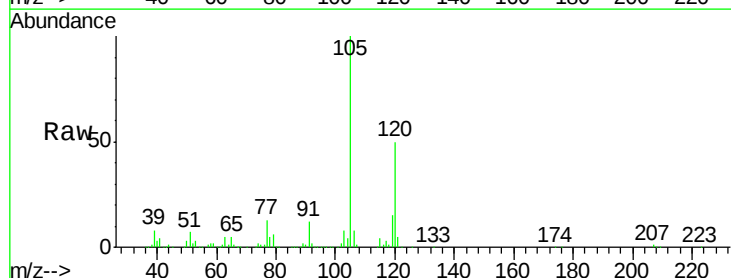
Acq: 03 Feb 2020 11:52

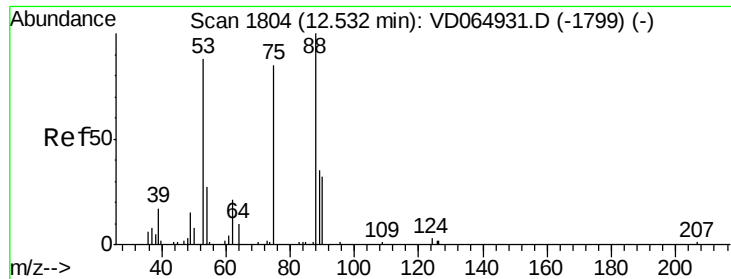
Tgt Ion: 105 Resp: 381423

Ion Ratio Lower Upper

105 100

120 51.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.75 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

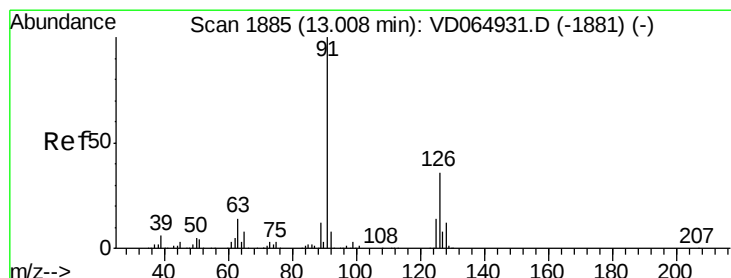
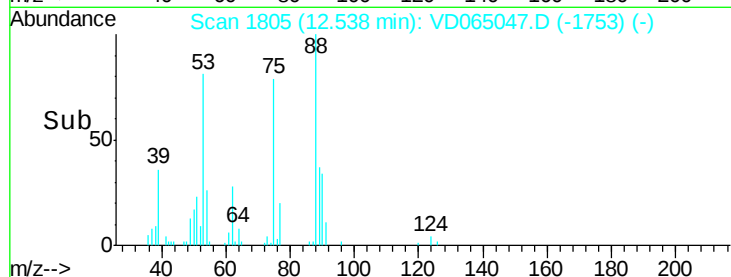
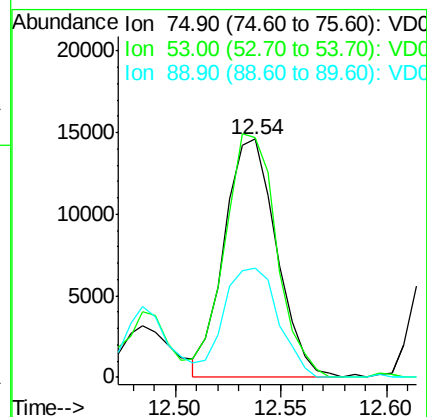
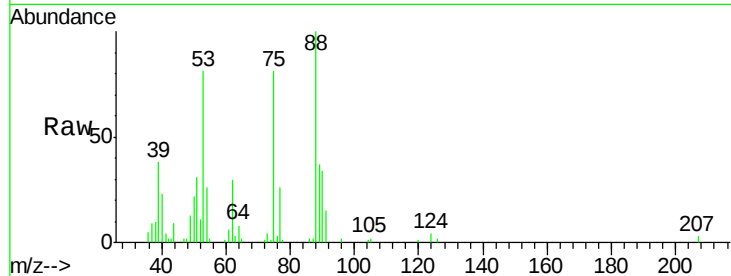
Tgt Ion: 75 Resp: 25081

Ion Ratio Lower Upper

75 100

53 102.0 81.0 121.4

89 47.9 36.2 54.4



#82

4-Chlorotoluene

Concen: 22.82 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065047.D

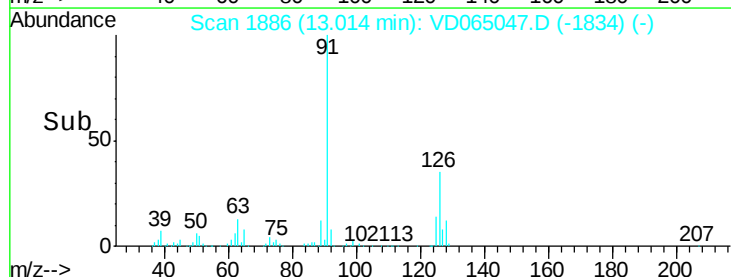
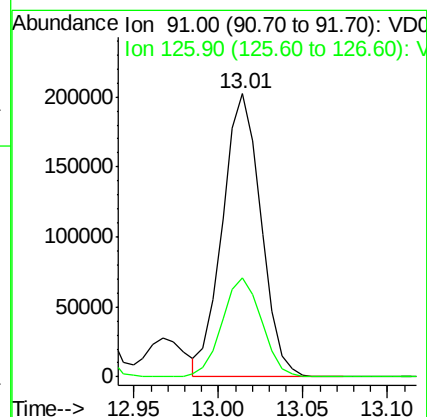
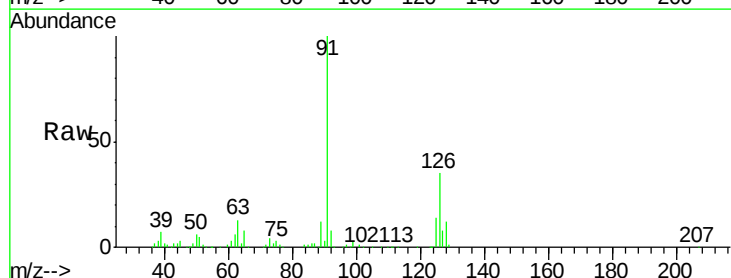
Acq: 03 Feb 2020 11:52

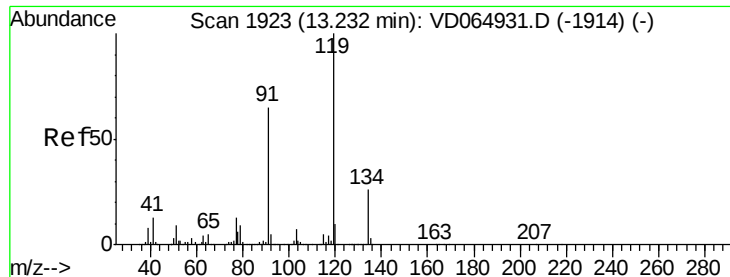
Tgt Ion: 91 Resp: 320140

Ion Ratio Lower Upper

91 100

126 36.1 18.0 54.0

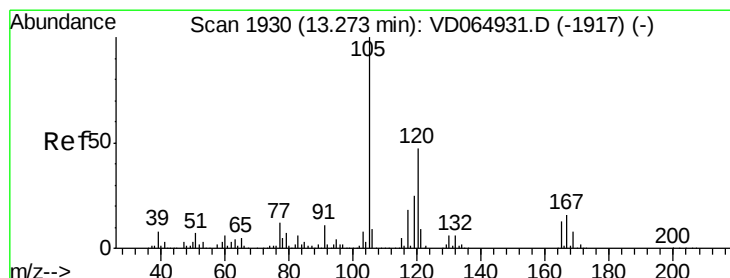
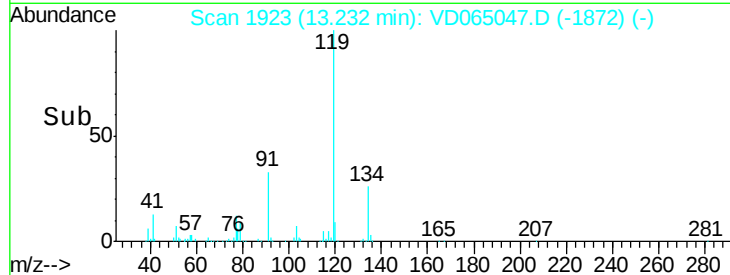
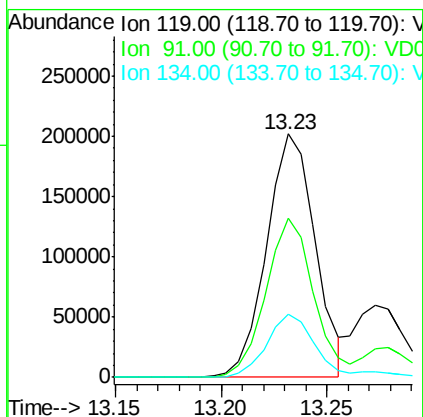
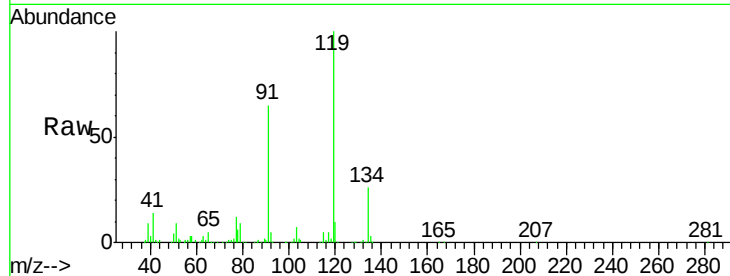




#83
 tert-Butylbenzene
 Concen: 22.97 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

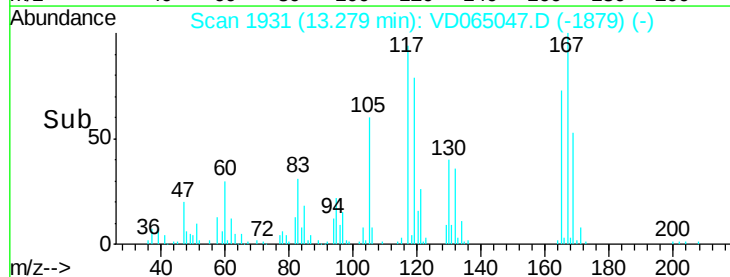
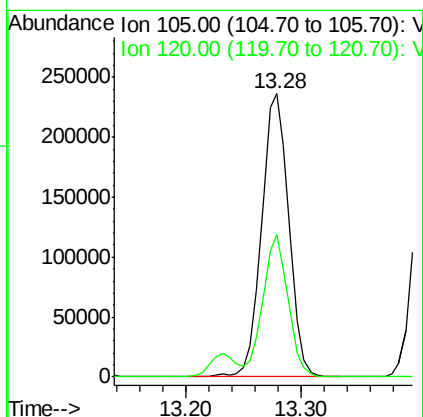
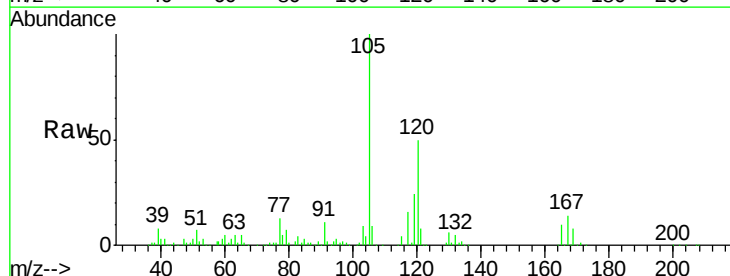
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBSD01

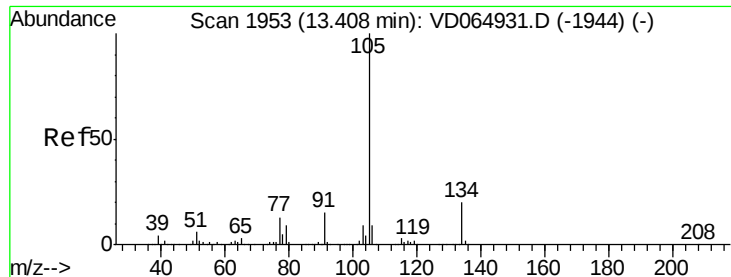
Tgt Ion:119 Resp: 323849
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.0 96.0
 134 27.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.98 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Tgt Ion:105 Resp: 386717
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.3





#85

sec-Butylbenzene

Concen: 22.83 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

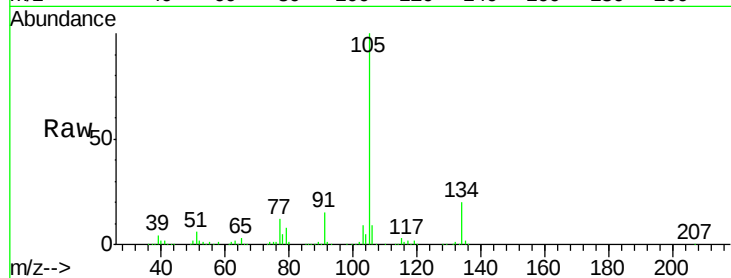
VD0203SBS01

Tgt Ion:105 Resp: 455830

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

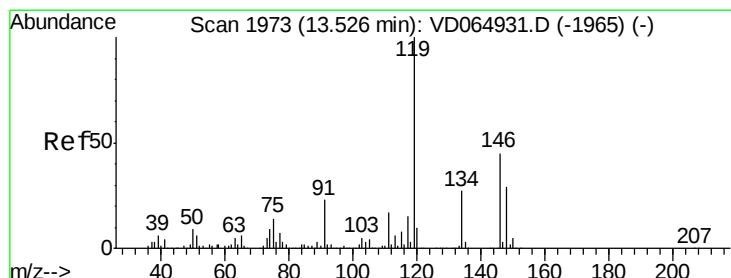
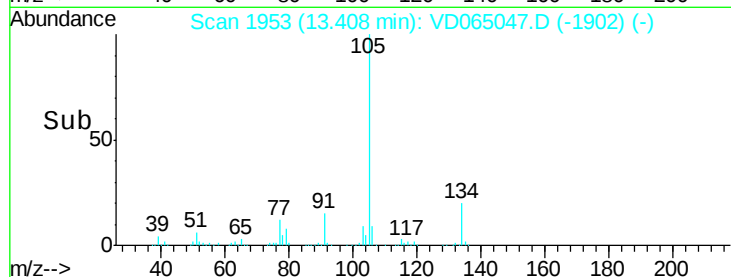
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.45 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

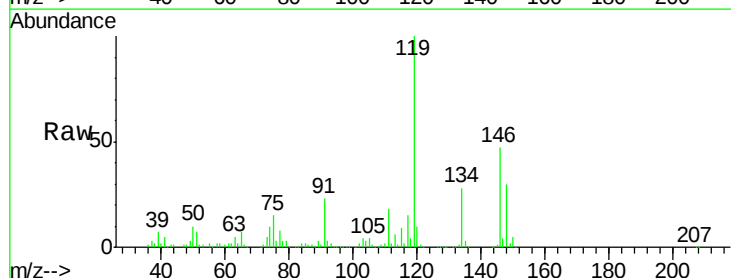
Tgt Ion:119 Resp: 419380

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 23.0 11.4 34.2



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

13.53

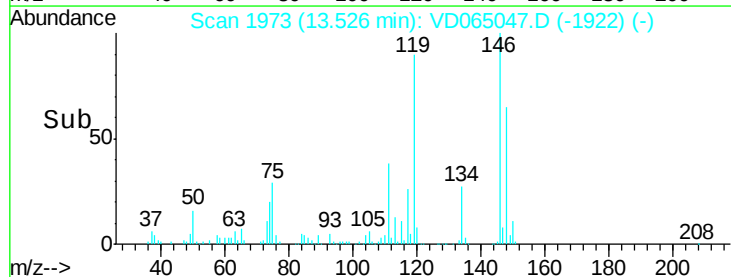
300000

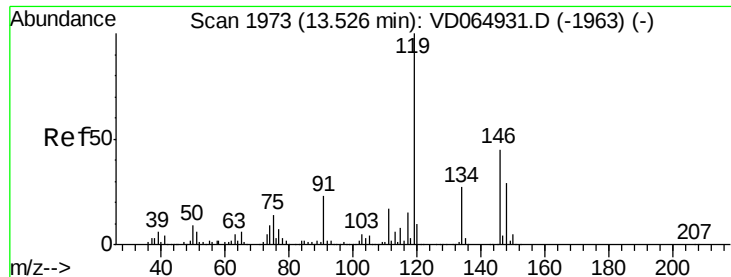
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.27 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

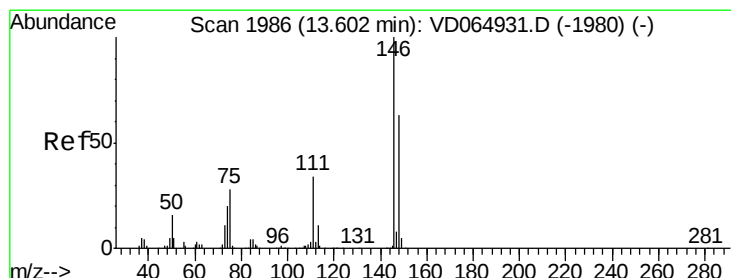
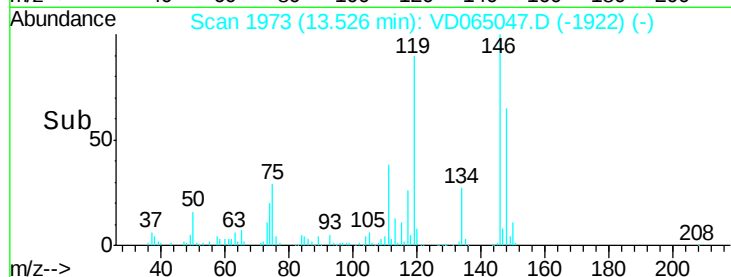
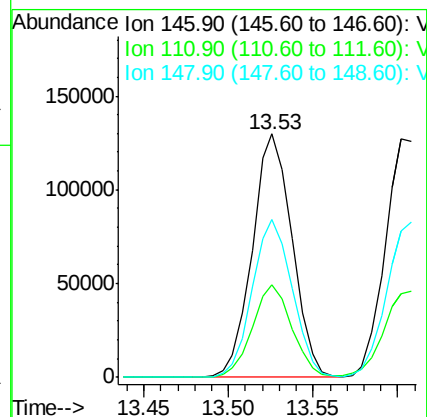
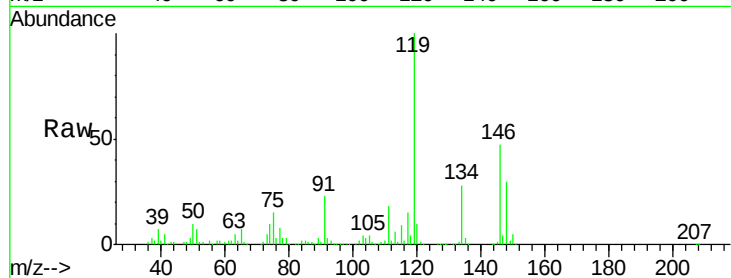
Tgt Ion:146 Resp: 211984

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.9

148 65.0 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 22.77 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

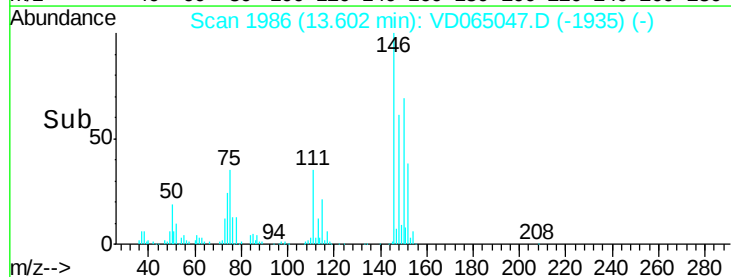
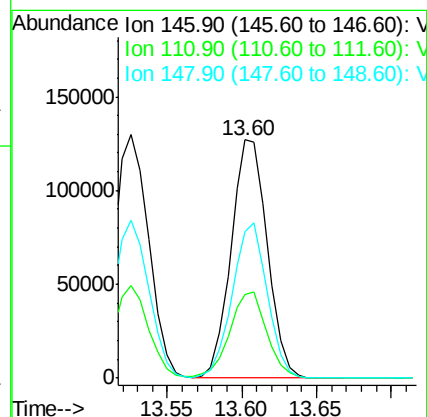
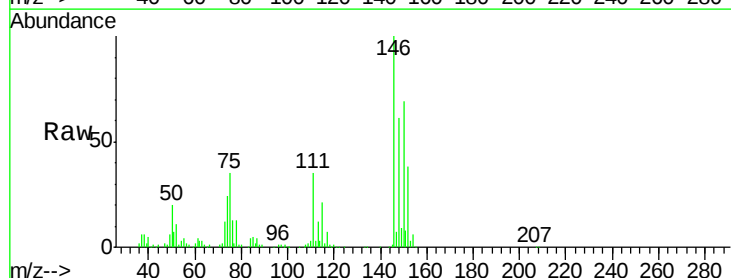
Tgt Ion:146 Resp: 215076

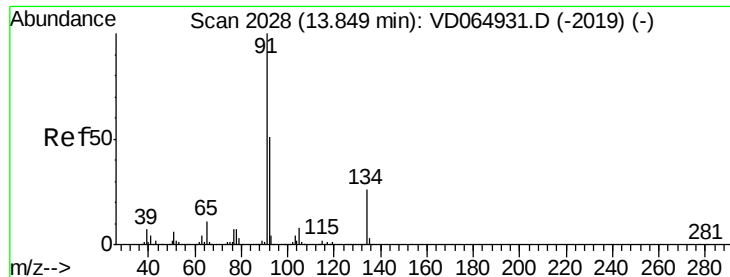
Ion Ratio Lower Upper

146 100

111 37.2 18.2 54.6

148 63.1 32.0 96.0





#89

n-Butylbenzene

Concen: 22.75 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

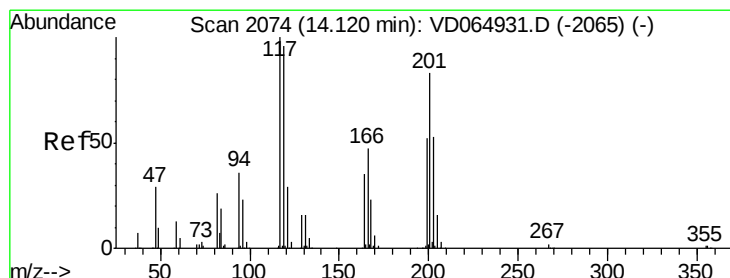
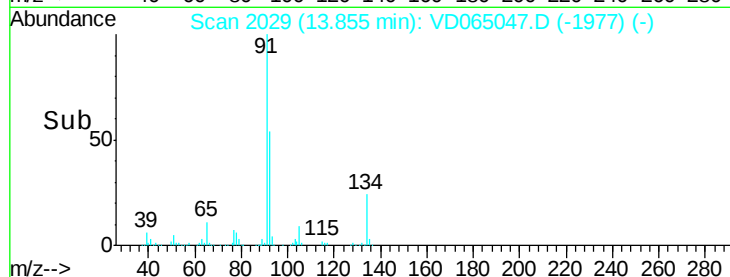
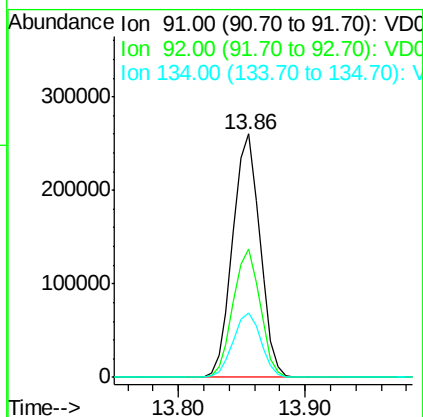
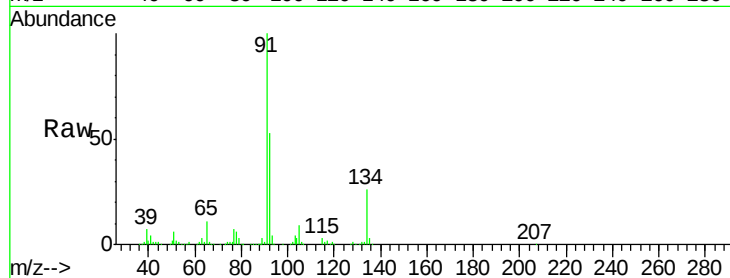
Tgt Ion: 91 Resp: 387773

Ion Ratio Lower Upper

91 100

92 52.4 26.4 79.0

134 27.1 13.3 39.9



#90

Hexachloroethane

Concen: 22.97 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065047.D

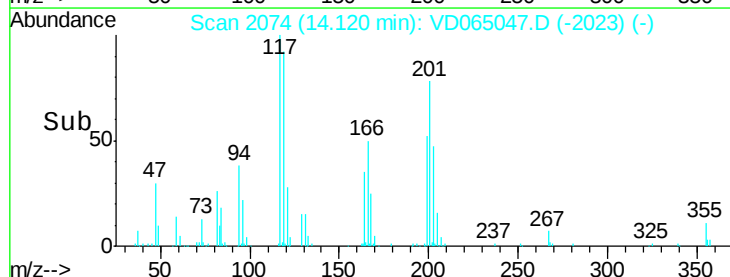
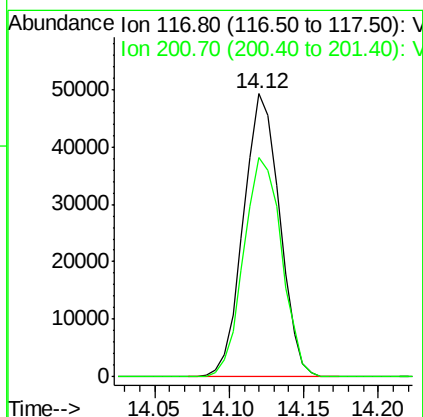
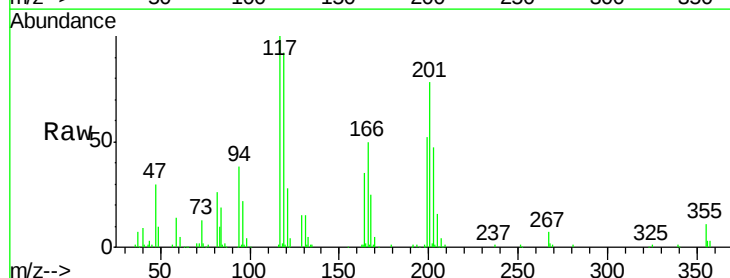
Acq: 03 Feb 2020 11:52

Tgt Ion: 117 Resp: 82754

Ion Ratio Lower Upper

117 100

201 81.3 41.1 123.3

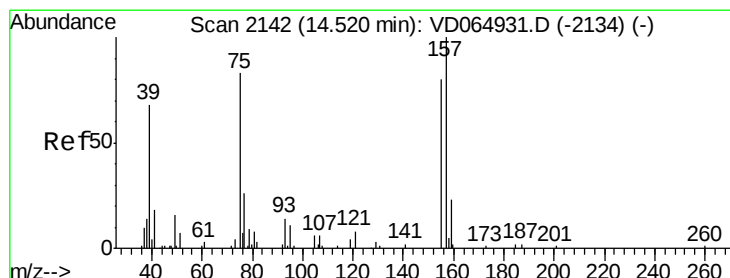
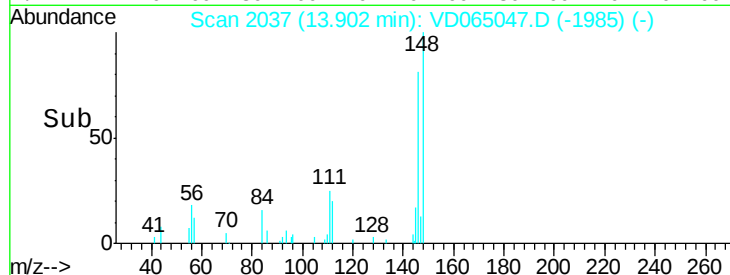
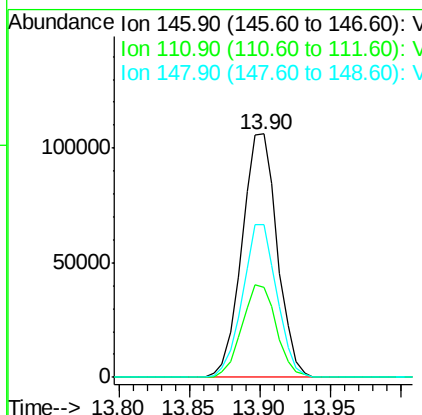
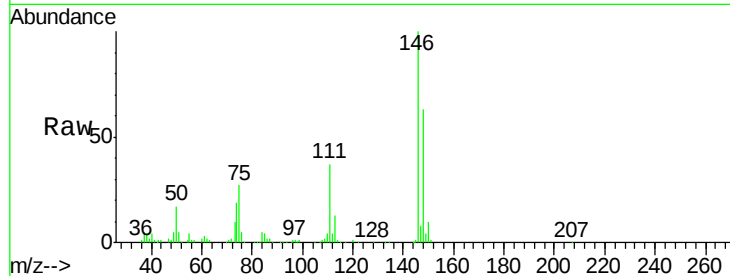




#91
 1,2-Dichlorobenzene
 Concen: 23.00 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

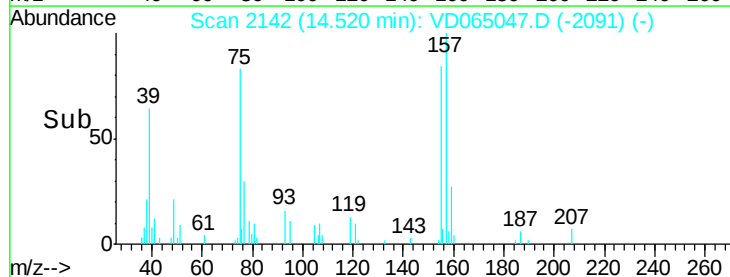
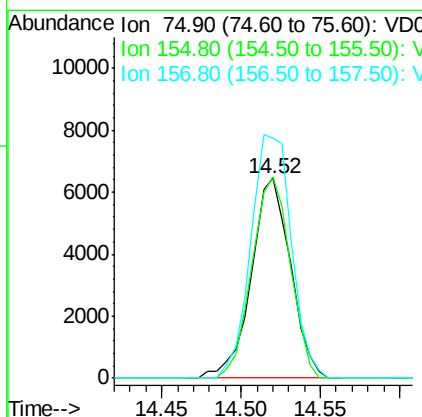
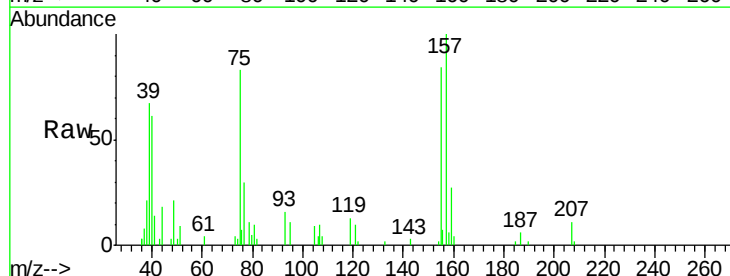
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBSD01

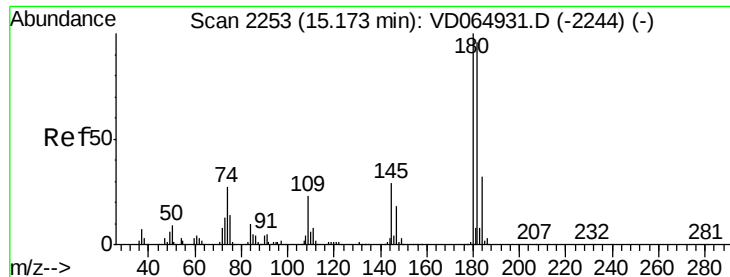
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.4	58.2
148	61.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.44 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	44.9	134.7
157	126.0	58.9	176.6

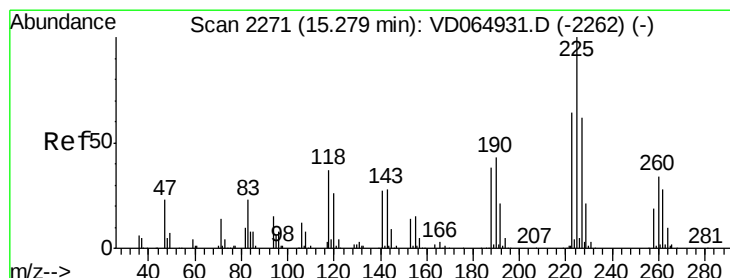
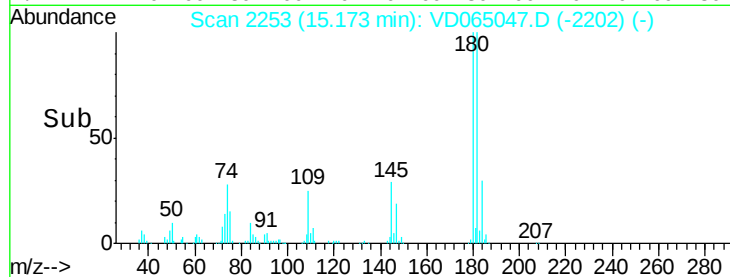
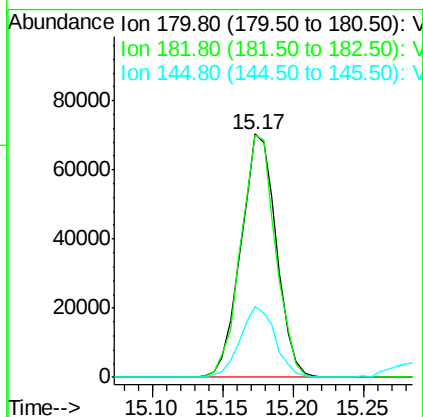
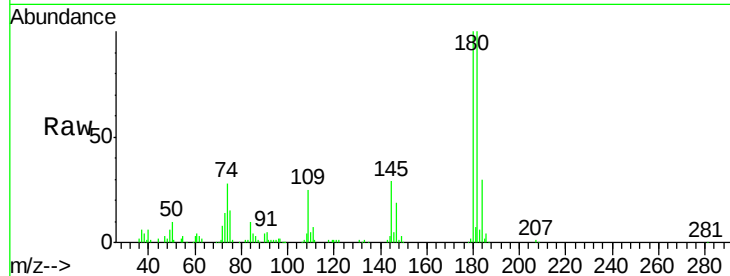




#93
 1,2,4-Trichlorobenzene
 Concen: 22.07 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

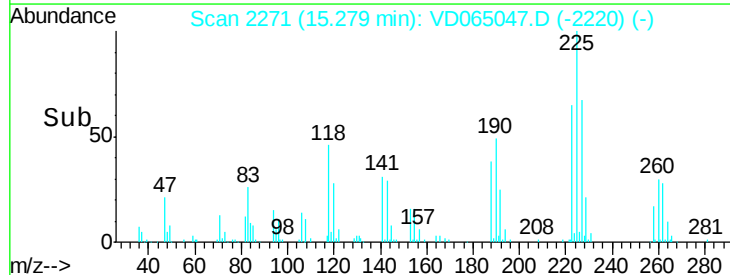
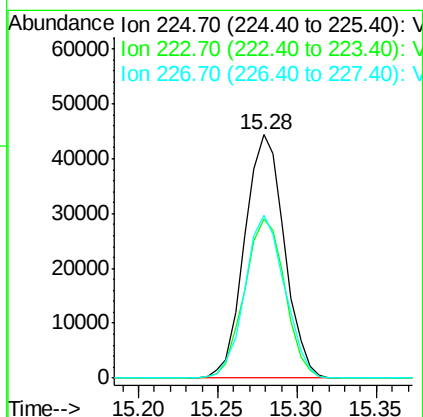
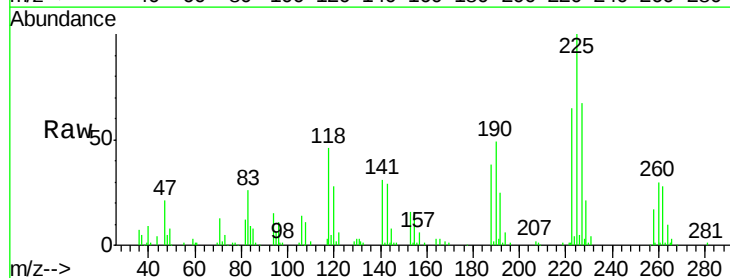
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBSD01

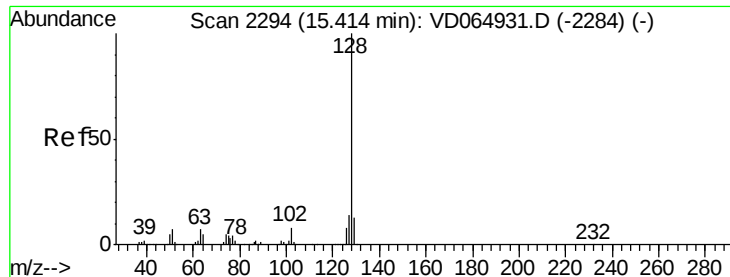
Tgt Ion:180 Resp: 123358
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.1 141.4
 145 28.8 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 21.86 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065047.D
 Acq: 03 Feb 2020 11:52

Tgt Ion:225 Resp: 77289
 Ion Ratio Lower Upper
 225 100
 223 66.2 32.4 97.2
 227 67.2 31.9 95.9





#95

Naphthalene

Concen: 21.02 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBSD01

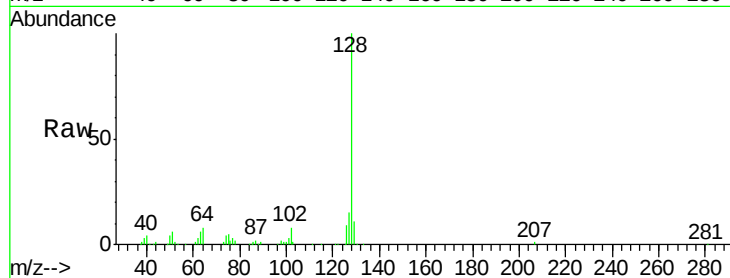
Tgt Ion:128 Resp: 189613

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

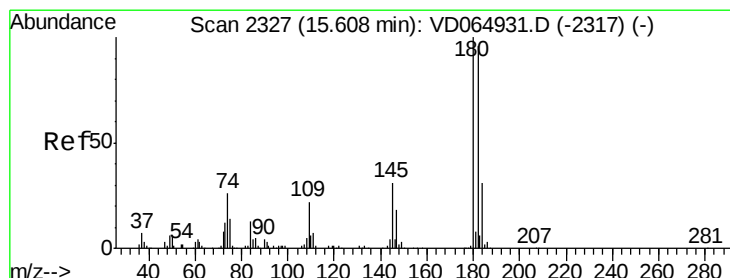
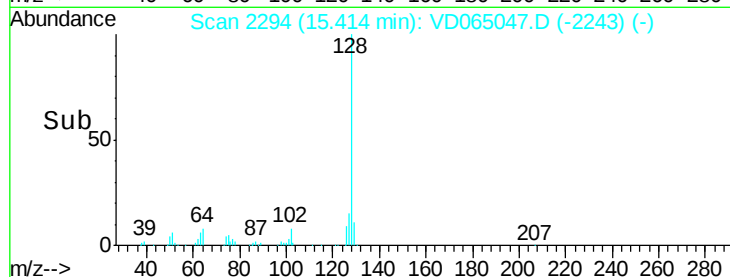
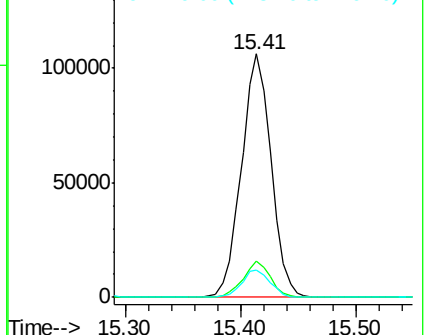
129 10.8 9.3 13.9



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: 22.07 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065047.D

Acq: 03 Feb 2020 11:52

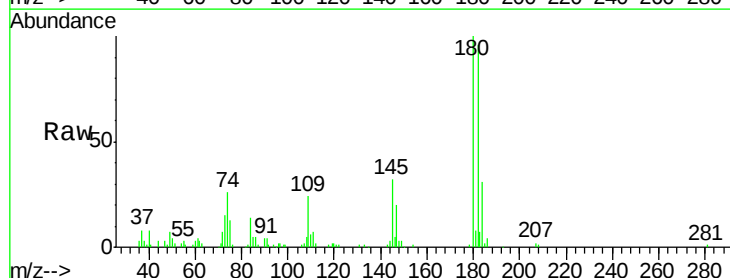
Tgt Ion:180 Resp: 106940

Ion Ratio Lower Upper

180 100

182 93.9 47.3 141.8

145 31.0 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

