

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
 Data File : VD065046.D
 Acq On : 03 Feb 2020 11:24
 Operator : VA/SY
 Sample : VD0203SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

Quant Time: Feb 03 12:50:34 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	475054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	706988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	628125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232731	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.92	113	234603	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.34	98	895078	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.64	95	273608	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77252	21.59	ug/l	96
3) Chloromethane	2.21	50	113141	21.57	ug/l	93
4) Vinyl Chloride	2.35	62	123474	20.50	ug/l	100
5) Bromomethane	2.76	94	78630	19.40	ug/l	100
6) Chloroethane	2.92	64	80813	20.35	ug/l	96
7) Trichlorofluoromethane	3.27	101	187266	20.13	ug/l	96
8) Diethyl Ether	3.71	74	43794	20.85	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95737	22.12	ug/l	100
10) Methyl Iodide	4.30	142	87041	18.94	ug/l	96
11) Tert butyl alcohol	5.25	59	25504	101.28	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	91995	22.25	ug/l	93
13) Acrolein	3.93	56	23141	73.31	ug/l	100
14) Allyl chloride	4.71	41	145488	22.06	ug/l	98
15) Acrylonitrile	5.43	53	91751	100.88	ug/l	99
16) Acetone	4.16	43	98348	90.49	ug/l	96
17) Carbon Disulfide	4.40	76	288773	21.22	ug/l	100
18) Methyl Acetate	4.72	43	47400	22.21	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	185465	20.07	ug/l	99
20) Methylene Chloride	4.96	84	119495	23.59	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	101444	21.29	ug/l	95
22) Diisopropyl ether	6.37	45	283391	21.56	ug/l	97
23) Vinyl Acetate	6.31	43	758260	98.53	ug/l	100
24) 1,1-Dichloroethane	6.26	63	178134	22.07	ug/l	96
25) 2-Butanone	7.22	43	119254	96.87	ug/l	100
26) 2,2-Dichloropropane	7.21	77	166165	22.70	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	108921	21.42	ug/l	99
28) Bromochloromethane	7.56	49	57107	17.69	ug/l	99
29) Tetrahydrofuran	7.57	42	73634	96.94	ug/l	100
30) Chloroform	7.71	83	184662	22.14	ug/l	99
31) Cyclohexane	7.98	56	168110	21.18	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	173015	22.29	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145393	21.33	ug/l	99
37) Ethyl Acetate	7.30	43	54971	19.52	ug/l	99
38) Carbon Tetrachloride	8.10	117	155344	21.56	ug/l	97

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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Feb 03 12:50:34 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)
39) Methylcyclohexane	9.36	83	164038	20.58	ug/l	96
40) Benzene	8.36	78	395247	21.05	ug/l	99
41) Methacrylonitrile	7.57	41	76574	50.48	ug/l #	37
42) 1,2-Dichloroethane	8.43	62	116110	20.76	ug/l	99
43) Isopropyl Acetate	8.46	43	102196	19.11	ug/l	99
44) Trichloroethene	9.11	130	111171	21.16	ug/l	94
45) 1,2-Dichloropropane	9.39	63	95672	21.02	ug/l	94
46) Dibromomethane	9.48	93	51237	20.62	ug/l	96
47) Bromodichloromethane	9.67	83	139424	21.56	ug/l	95
48) Methyl methacrylate	9.46	41	48751	19.81	ug/l	98
49) 1,4-Dioxane	9.46	88	11427	396.48	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	255489	95.46	ug/l	100
52) Toluene	10.41	92	256164	21.16	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125775	20.42	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	149541	20.74	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	67729	20.23	ug/l	96
56) Ethyl methacrylate	10.67	69	78635	19.64	ug/l	99
57) 1,3-Dichloropropane	10.96	76	116437	20.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	129626	97.47	ug/l	99
59) 2-Hexanone	10.99	43	177634	96.22	ug/l	96
60) Dibromochloromethane	11.14	129	91269	20.40	ug/l	100
61) 1,2-Dibromoethane	11.25	107	64498	20.01	ug/l	99
64) Tetrachloroethene	10.88	164	95639	21.07	ug/l	96
65) Chlorobenzene	11.68	112	263171	20.64	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	101246	21.11	ug/l	98
67) Ethyl Benzene	11.75	91	469946	20.76	ug/l	99
68) m/p-Xylenes	11.86	106	365881	41.97	ug/l	99
69) o-Xylene	12.19	106	160139	20.70	ug/l	98
70) Styrene	12.20	104	285198	20.69	ug/l	99
71) Bromoform	12.37	173	52739	19.78	ug/l #	99
73) Isopropylbenzene	12.48	105	437583	21.60	ug/l	99
74) N-amyl acetate	12.30	43	87822	19.38	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70538	20.72	ug/l	97
76) 1,2,3-Trichloropropane	12.80	75	92848	37.75	ug/l #	100
77) Bromobenzene	12.77	156	105324	21.25	ug/l	99
78) n-propylbenzene	12.83	91	526340	21.85	ug/l	99
79) 2-Chlorotoluene	12.91	91	292448	22.13	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	364038	21.93	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	22821	19.81	ug/l	98
82) 4-Chlorotoluene	13.01	91	309079	22.05	ug/l	98
83) tert-Butylbenzene	13.23	119	299199	21.24	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	355554	21.14	ug/l	98
85) sec-Butylbenzene	13.41	105	428076	21.46	ug/l	100
86) p-Isopropyltoluene	13.53	119	394929	21.16	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	204588	21.51	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	199159	21.10	ug/l	99
89) n-Butylbenzene	13.86	91	362349	21.27	ug/l	99
90) Hexachloroethane	14.12	117	78303	21.75	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	168900	20.92	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10850	19.91	ug/l	99

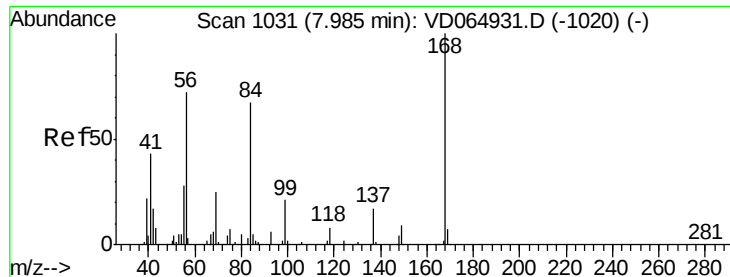
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD020320\
Data File : VD065046.D
Acq On : 03 Feb 2020 11:24
Operator : VA/SY
Sample : VD0203SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Instrument :
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Quant Time: Feb 03 12:50:34 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	112774	20.19	ug/l	99
94) Hexachlorobutadiene	15.28	225	74173	21.00	ug/l	97
95) Naphthalene	15.41	128	175661	19.49	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	96400	19.91	ug/l	98

(#) = 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: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

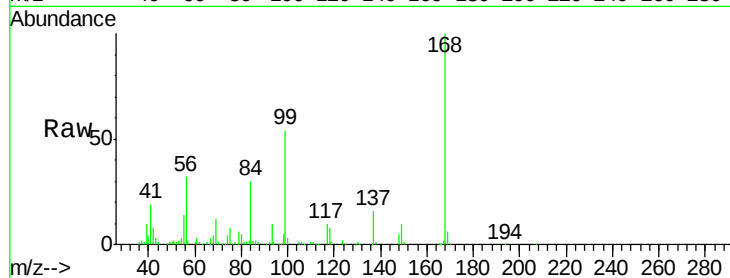
VD0203SBS01

Tgt Ion:168 Resp: 475054

Ion Ratio Lower Upper

168 100

99 53.4 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

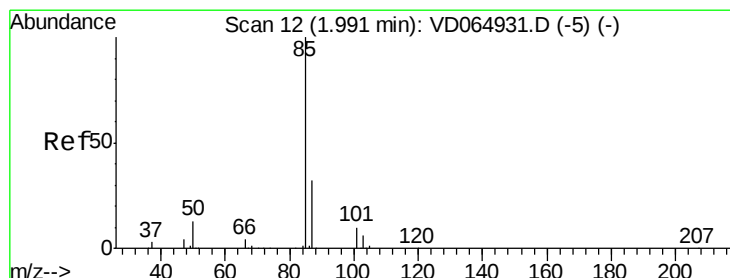
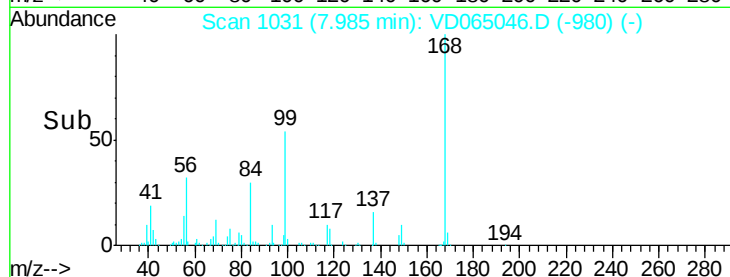
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.59 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065046.D

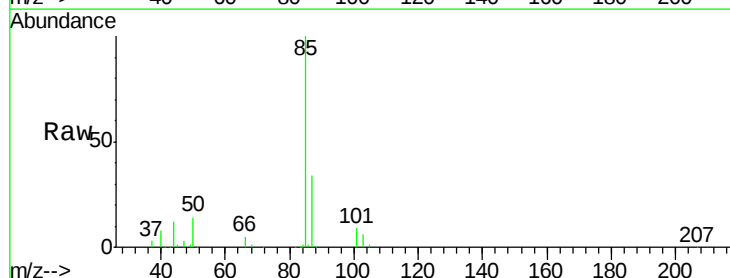
Acq: 03 Feb 2020 11:24

Tgt Ion: 85 Resp: 77252

Ion Ratio Lower Upper

85 100

87 33.9 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

50000

40000

30000

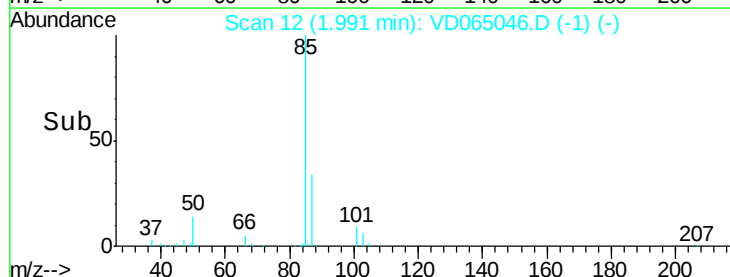
20000

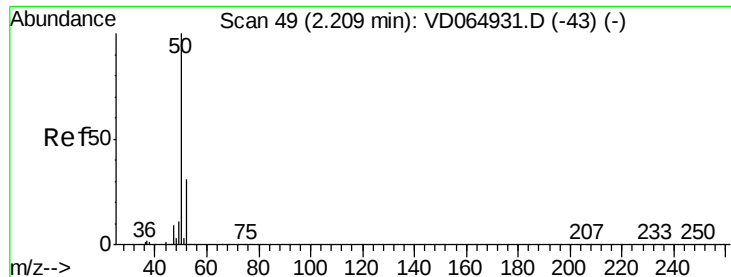
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.57 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

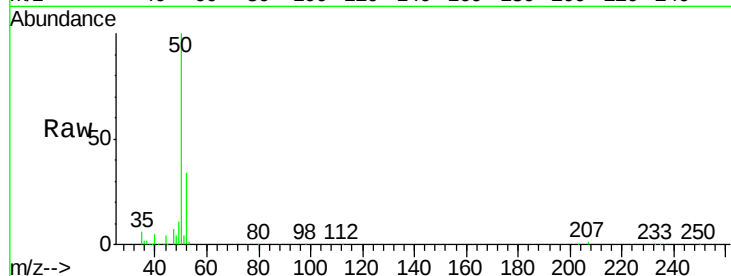
VD0203SBS01

Tgt Ion: 50 Resp: 113141

Ion Ratio Lower Upper

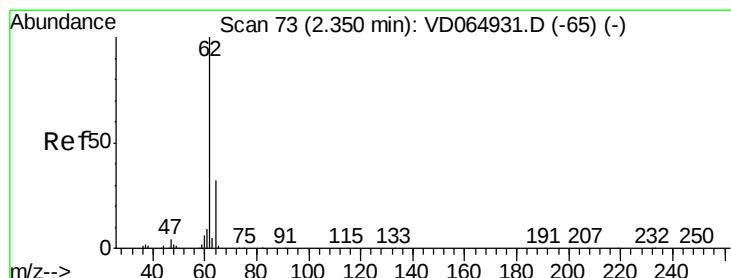
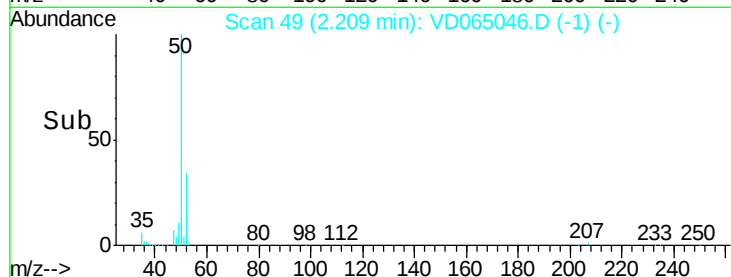
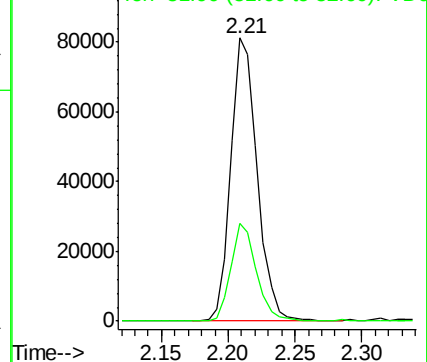
50 100

52 34.4 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: 20.50 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065046.D

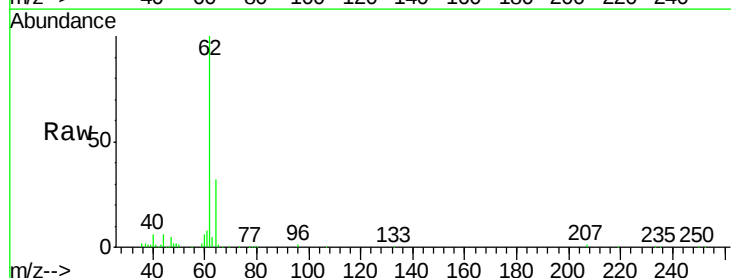
Acq: 03 Feb 2020 11:24

Tgt Ion: 62 Resp: 123474

Ion Ratio Lower Upper

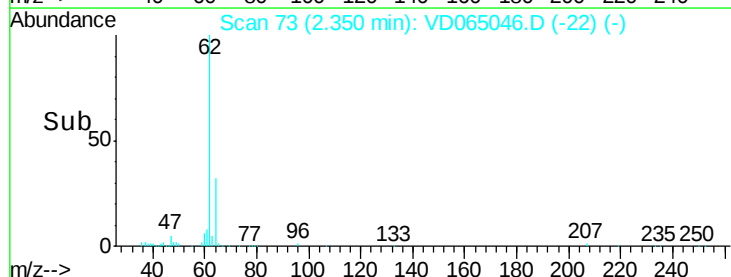
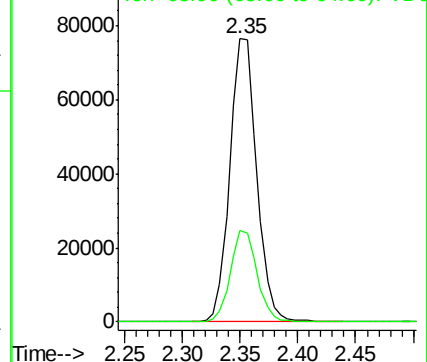
62 100

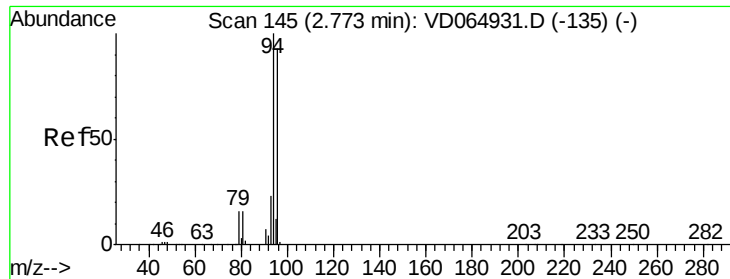
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.40 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

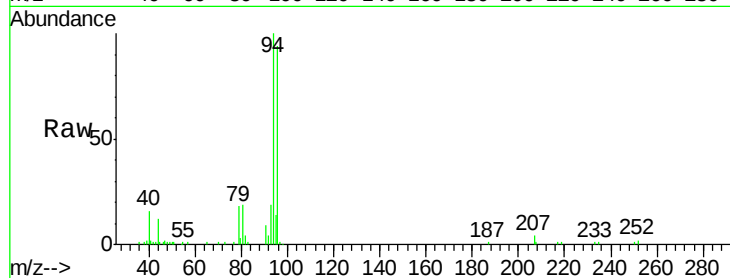
VD0203SBS01

Tgt Ion: 94 Resp: 78630

Ion Ratio Lower Upper

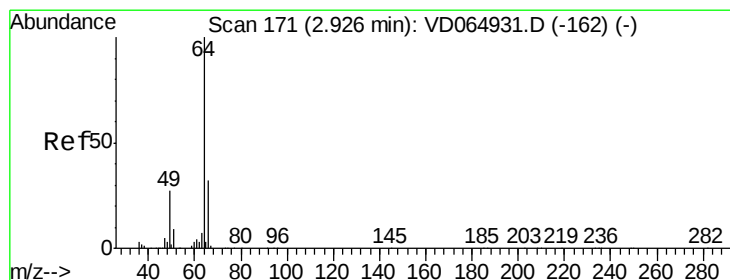
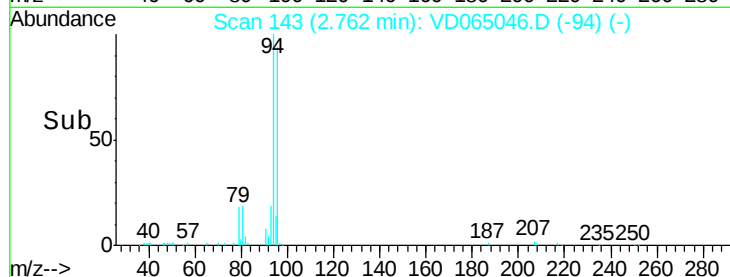
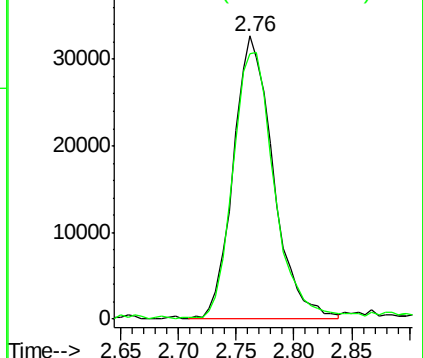
94 100

96 92.8 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: 20.35 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065046.D

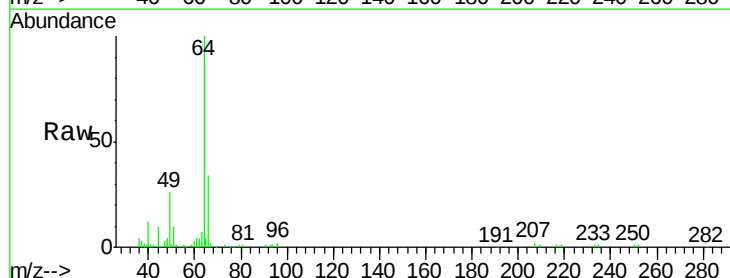
Acq: 03 Feb 2020 11:24

Tgt Ion: 64 Resp: 80813

Ion Ratio Lower Upper

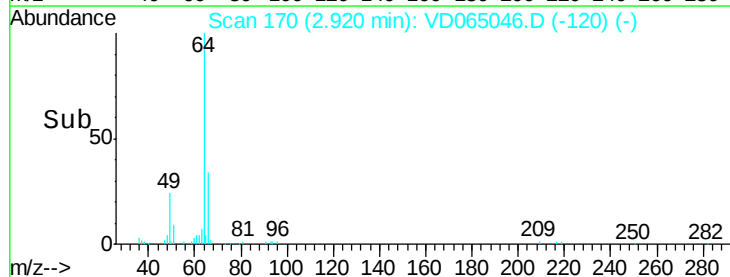
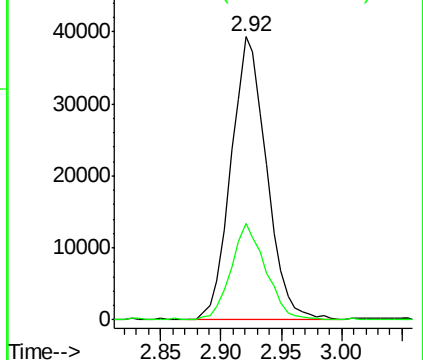
64 100

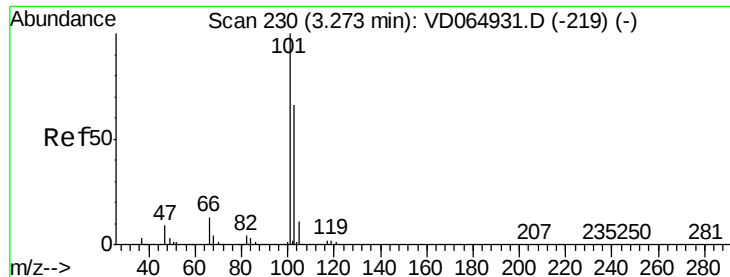
66 33.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.13 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

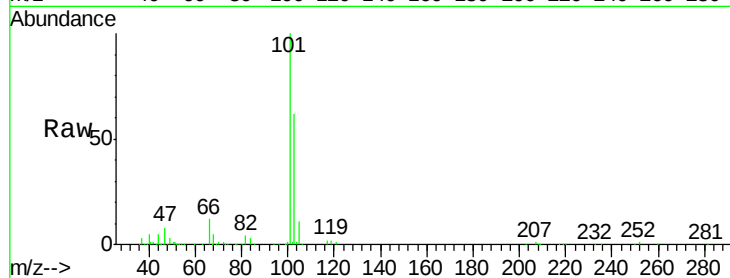
VD0203SBS01

Tgt Ion:101 Resp: 187266

Ion Ratio Lower Upper

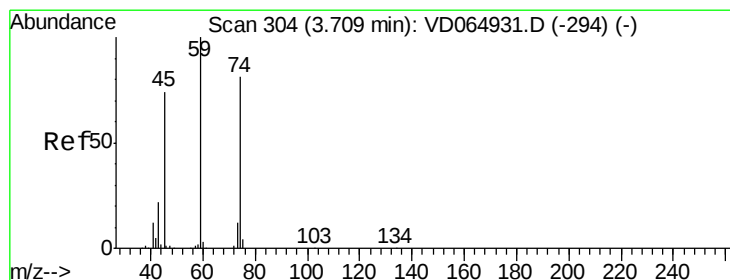
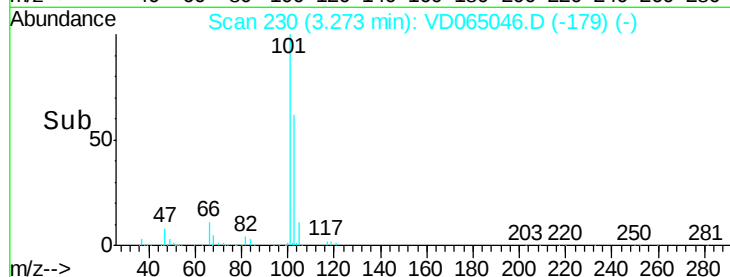
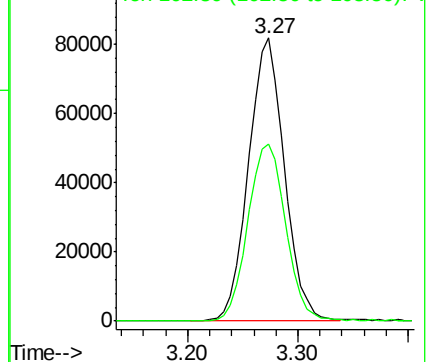
101 100

103 62.5 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.85 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD065046.D

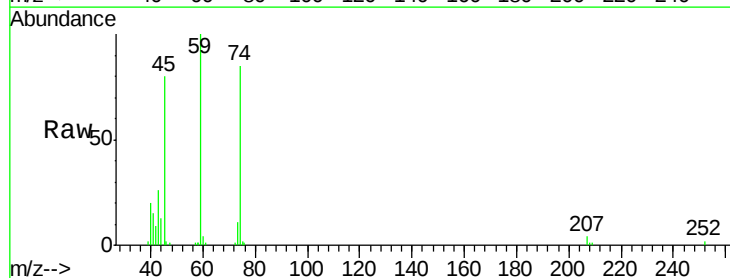
Acq: 03 Feb 2020 11:24

Tgt Ion: 74 Resp: 43794

Ion Ratio Lower Upper

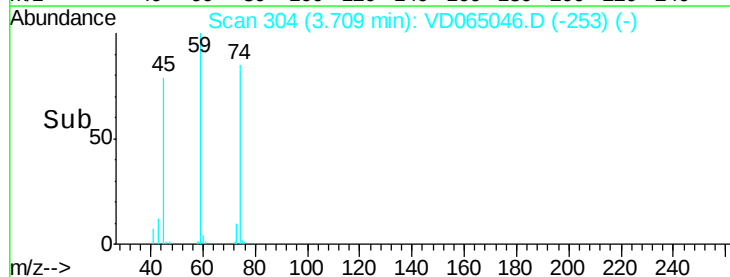
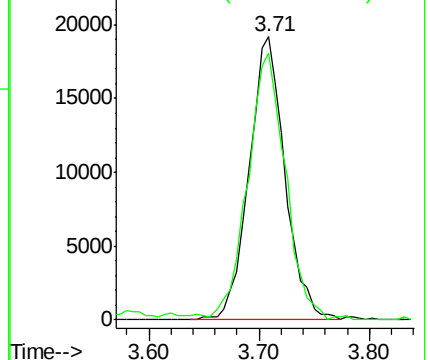
74 100

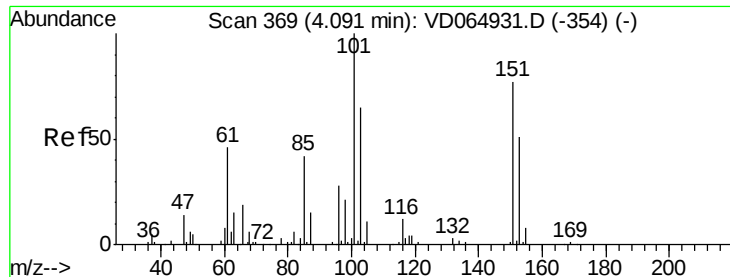
45 95.9 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.12 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

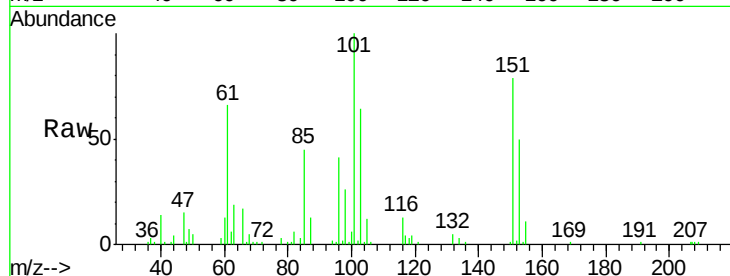
Tgt Ion:101 Resp: 95737

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.4

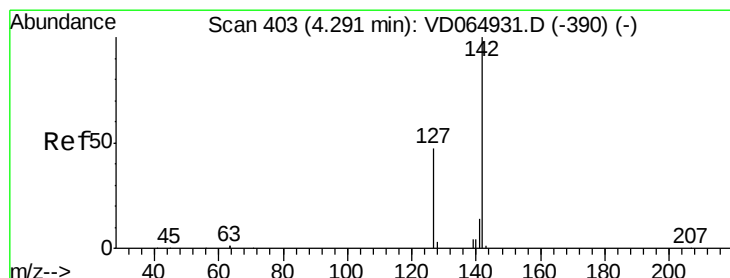
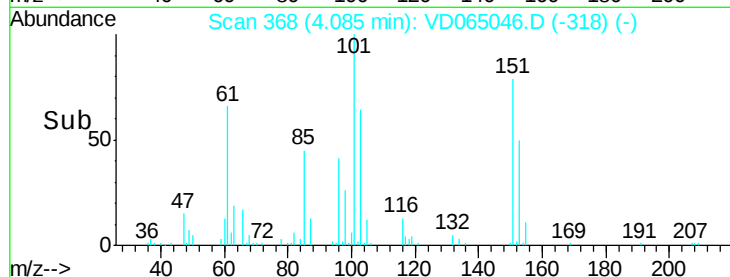
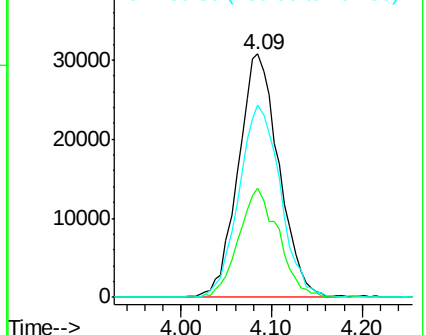
151 80.8 64.6 96.8



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: 18.94 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

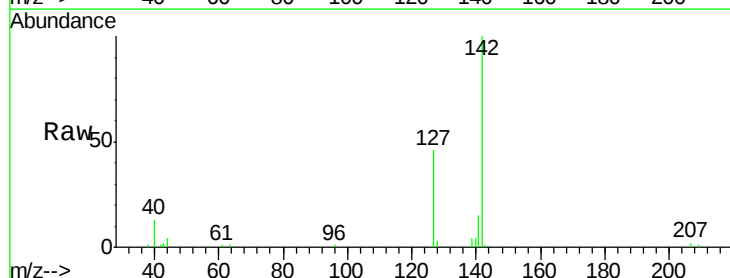
Tgt Ion:142 Resp: 87041

Ion Ratio Lower Upper

142 100

127 47.9 36.2 54.2

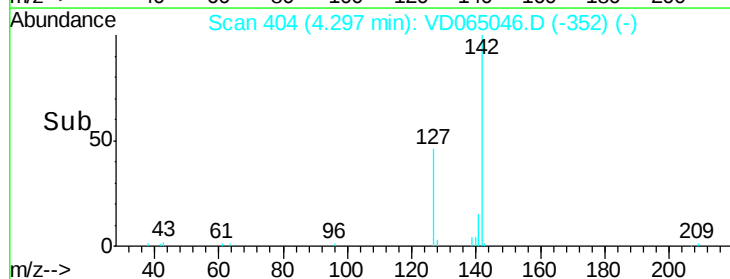
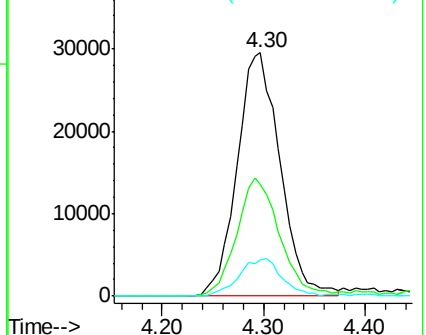
141 15.2 11.6 17.4

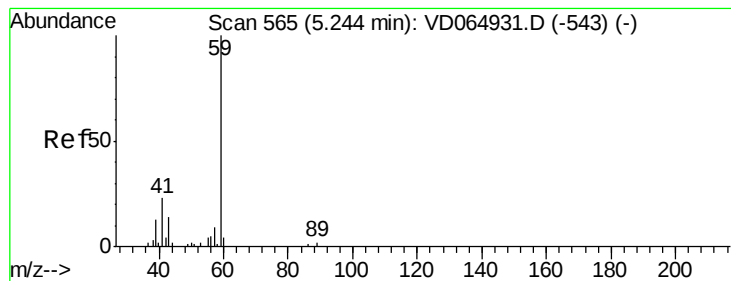


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



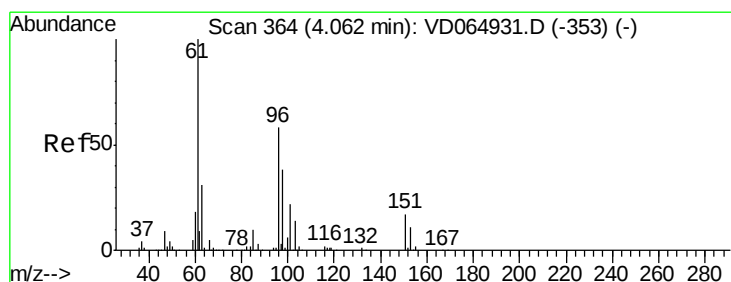
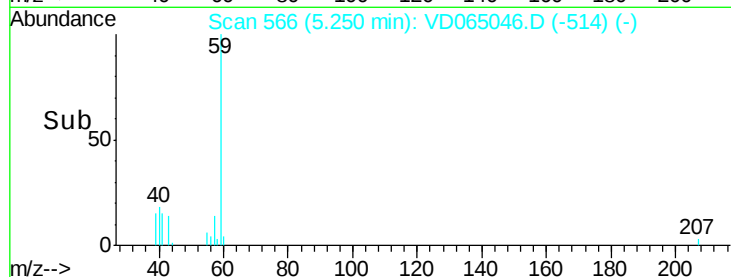
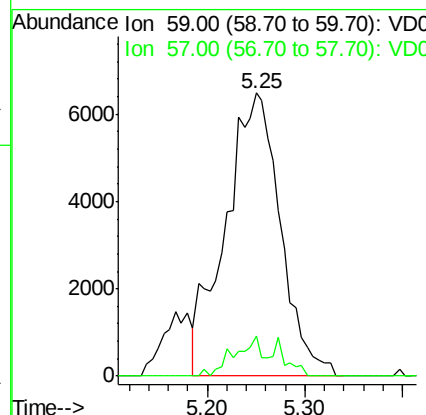
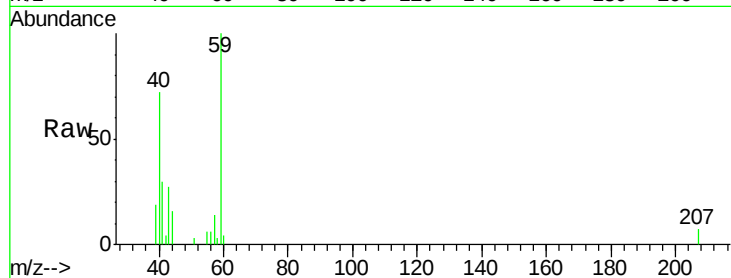


#11

Tert butyl alcohol
Concen: 101.28 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

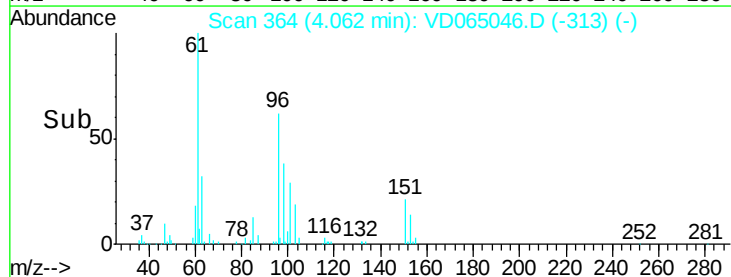
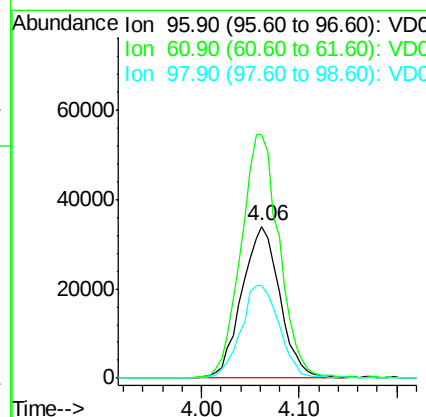
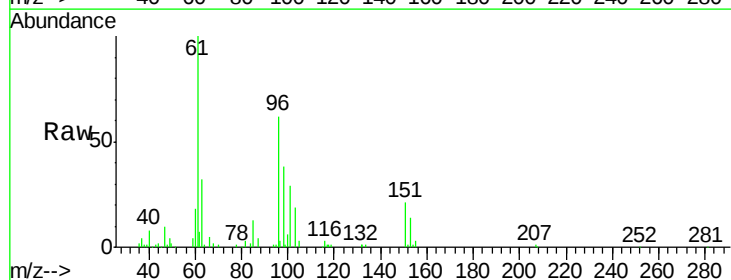
Tgt Ion: 59 Resp: 25504
Ion Ratio Lower Upper
59 100
57 7.1 7.7 11.5#

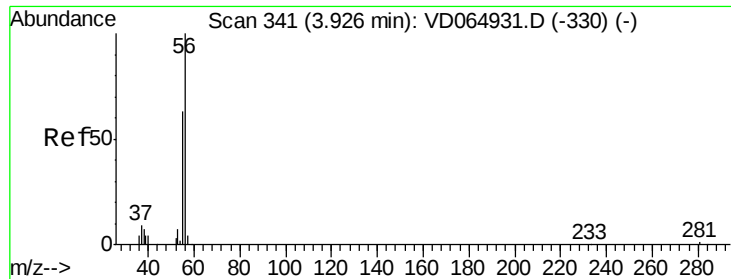


#12

1,1-Dichloroethene
Concen: 22.25 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 96 Resp: 91995
Ion Ratio Lower Upper
96 100
61 160.4 137.0 205.4
98 61.1 52.1 78.1





#13

Acrolein

Concen: 73.31 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

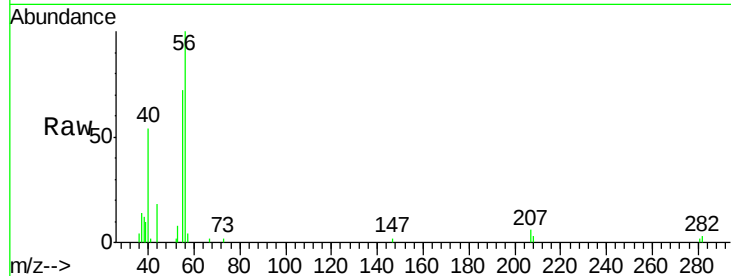
VD0203SBS01

Tgt Ion: 56 Resp: 23141

Ion Ratio Lower Upper

56 100

55 74.8 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

8000

6000

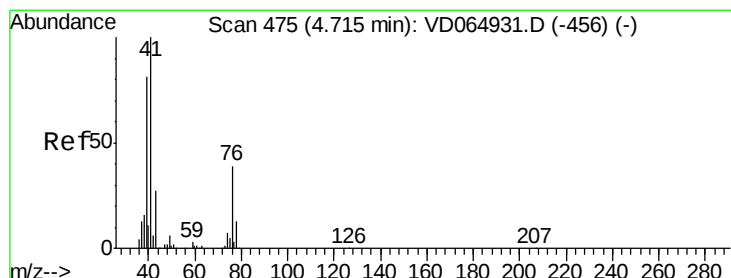
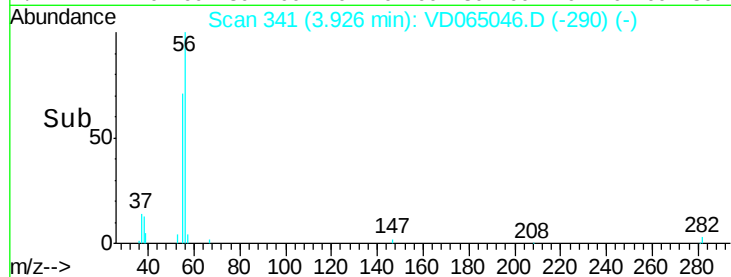
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 22.06 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

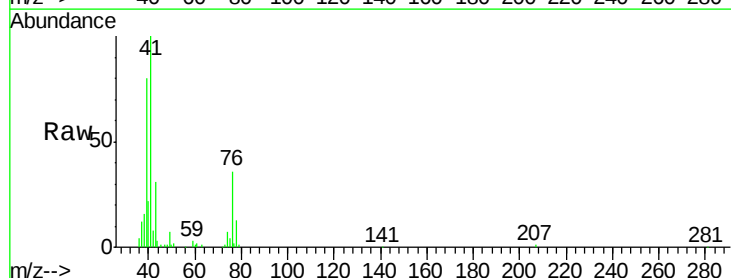
Tgt Ion: 41 Resp: 145488

Ion Ratio Lower Upper

41 100

39 75.8 62.0 93.0

76 36.1 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

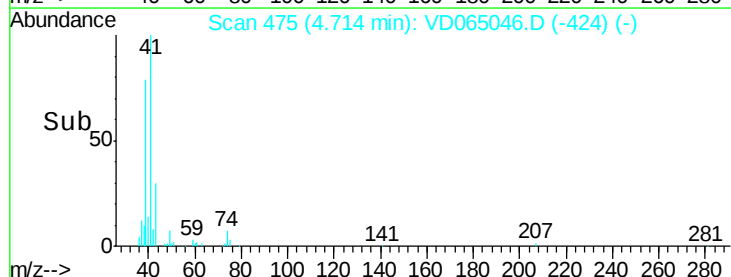
20000

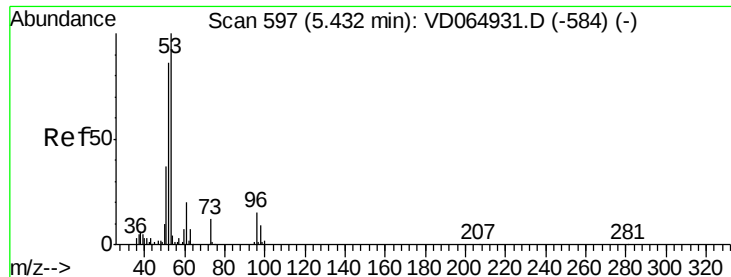
10000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 100.88 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

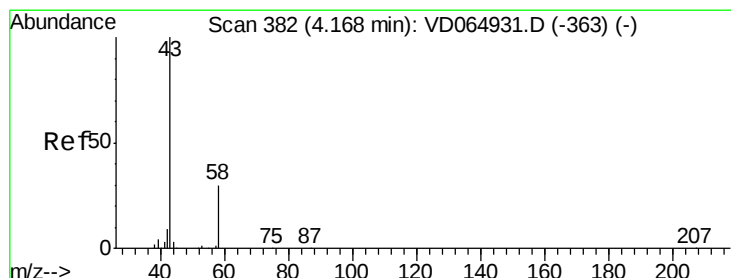
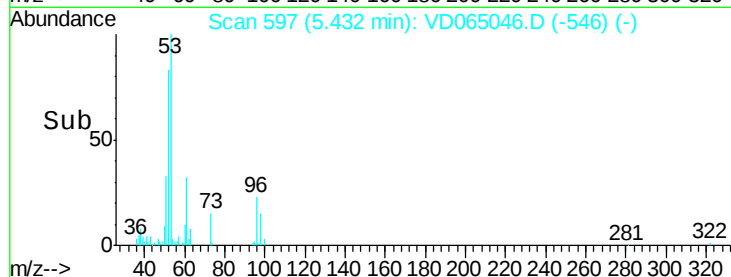
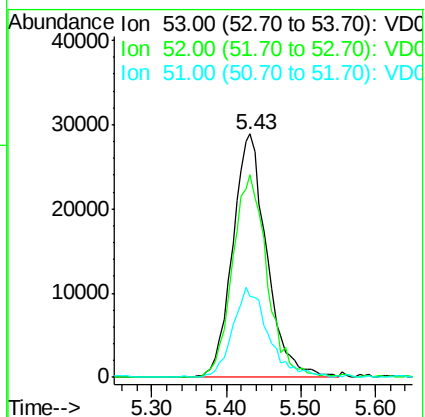
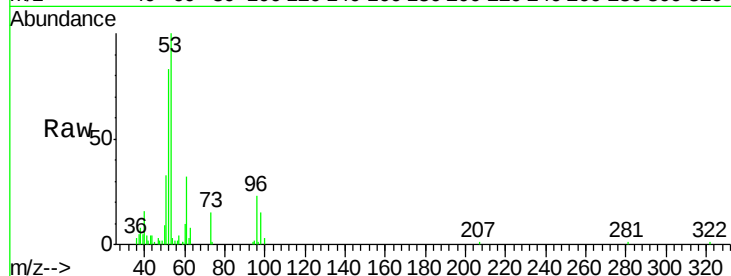
Tgt Ion: 53 Resp: 91751

Ion Ratio Lower Upper

53 100

52 83.9 66.7 100.1

51 38.3 31.1 46.7



#16

Acetone

Concen: 90.49 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065046.D

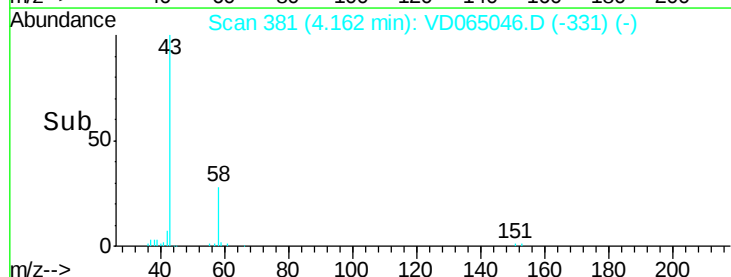
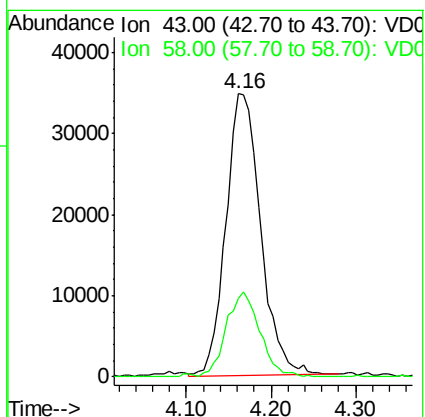
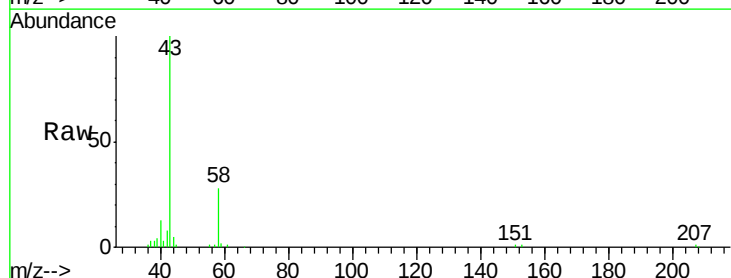
Acq: 03 Feb 2020 11:24

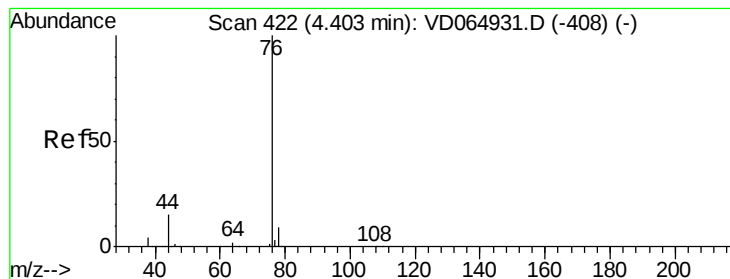
Tgt Ion: 43 Resp: 98348

Ion Ratio Lower Upper

43 100

58 27.9 23.8 35.8





#17

Carbon Disulfide

Concen: 21.22 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

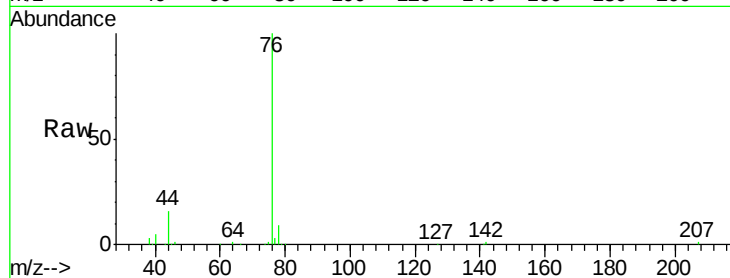
VD0203SBS01

Tgt Ion: 76 Resp: 288773

Ion Ratio Lower Upper

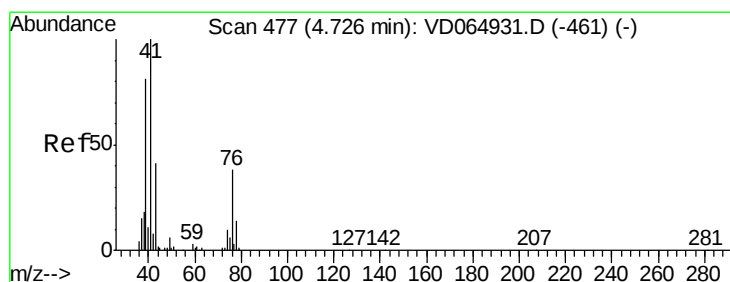
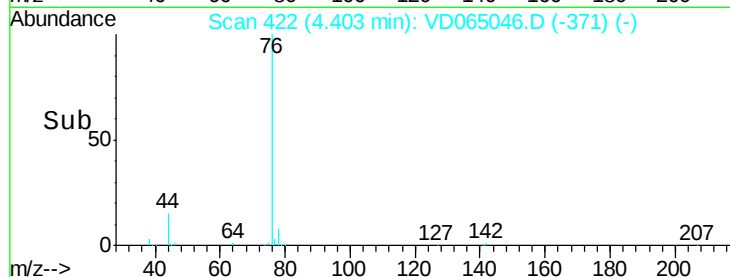
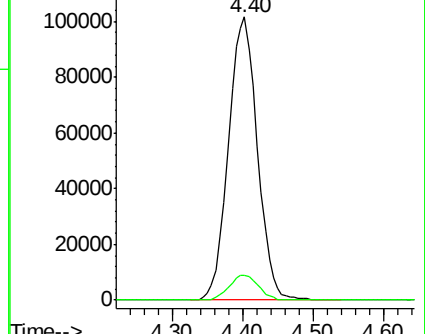
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.21 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065046.D

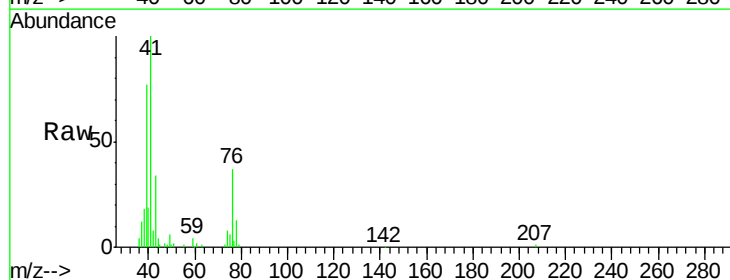
Acq: 03 Feb 2020 11:24

Tgt Ion: 43 Resp: 47400

Ion Ratio Lower Upper

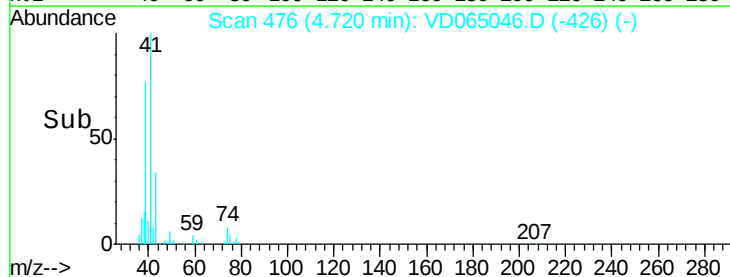
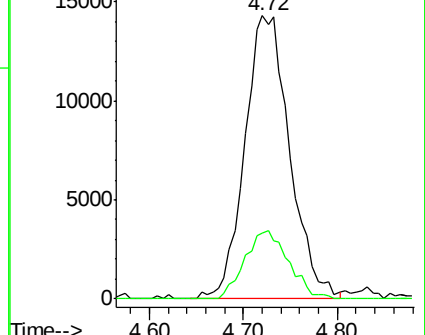
43 100

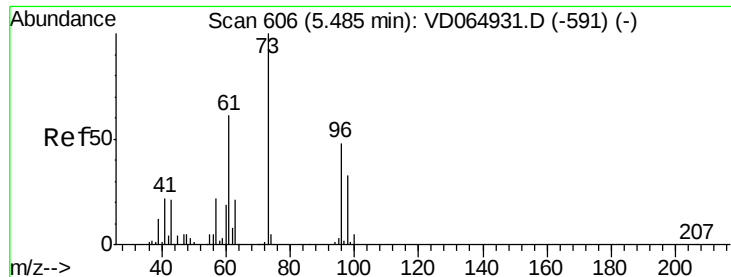
74 23.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

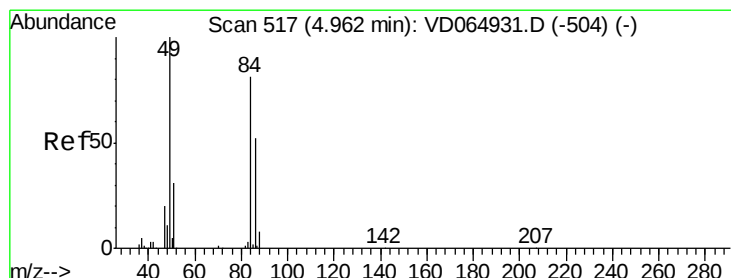
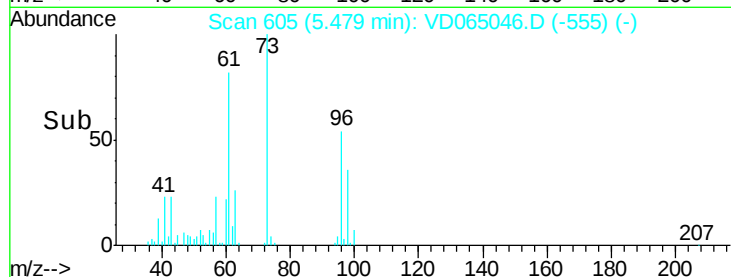
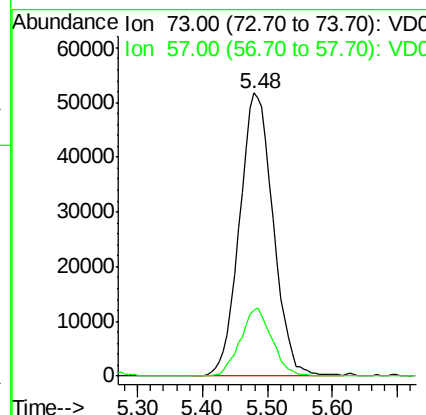
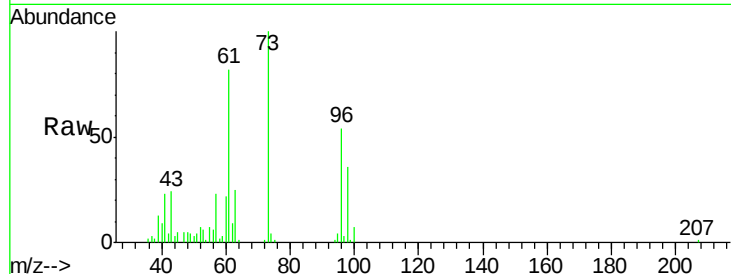




#19
Methyl tert-butyl Ether
Concen: 20.07 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

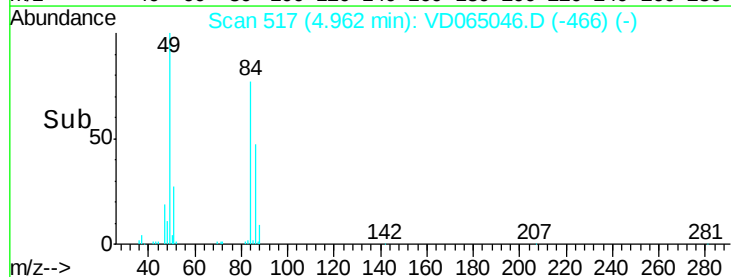
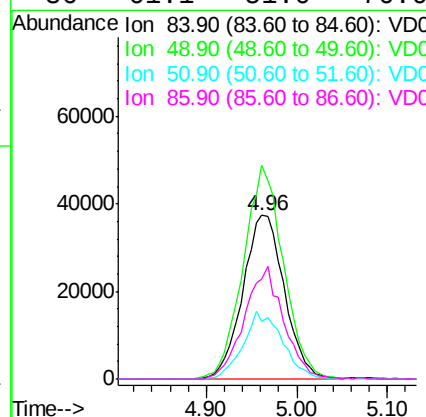
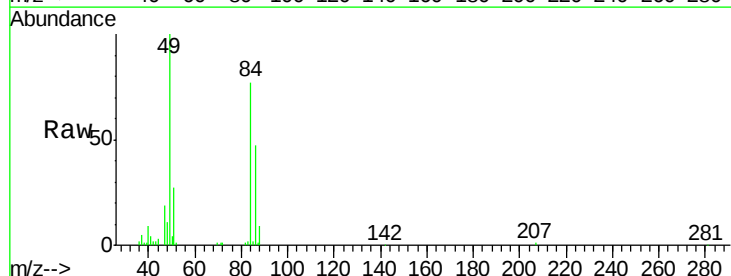
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

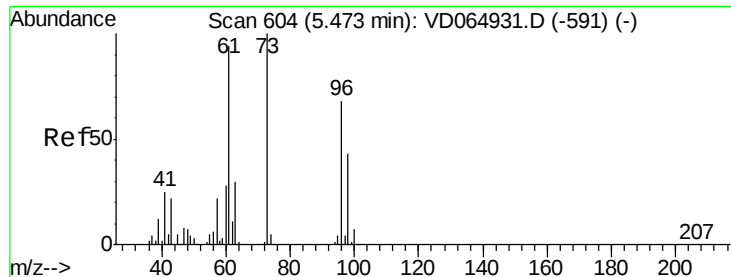
Tgt Ion: 73 Resp: 185465
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#20
Methylene Chloride
Concen: 23.59 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 84 Resp: 119495
Ion Ratio Lower Upper
84 100
49 130.5 98.4 147.6
51 35.4 30.8 46.2
86 61.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.29 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

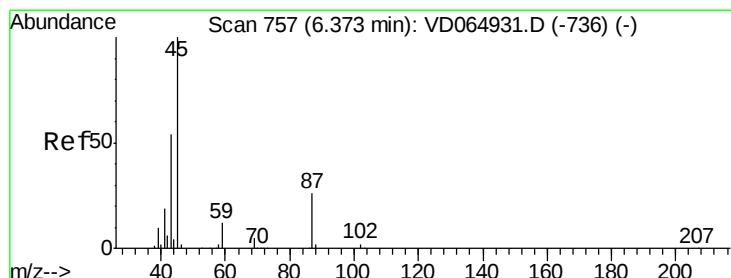
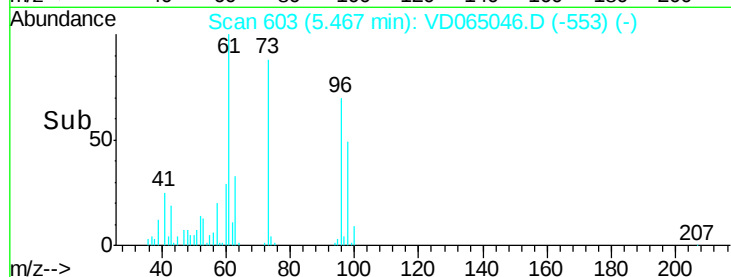
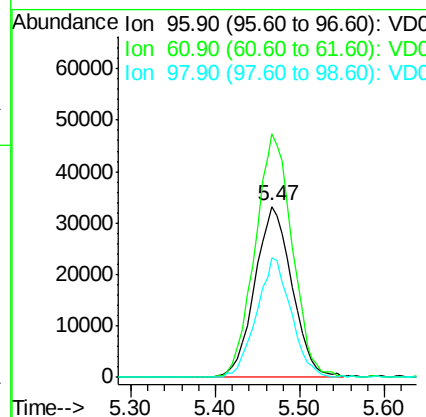
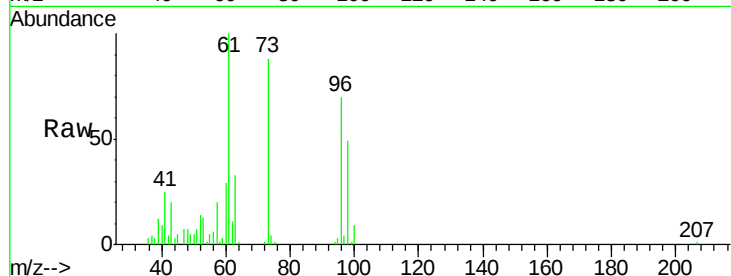
Tgt Ion: 96 Resp: 101444

Ion Ratio Lower Upper

96 100

61 142.6 110.4 165.6

98 69.9 50.5 75.7



#22

Diisopropyl ether

Concen: 21.56 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Tgt Ion: 45 Resp: 283391

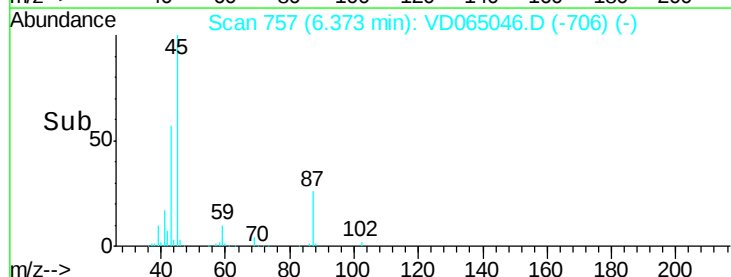
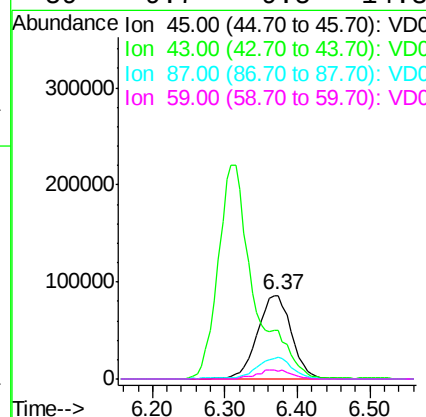
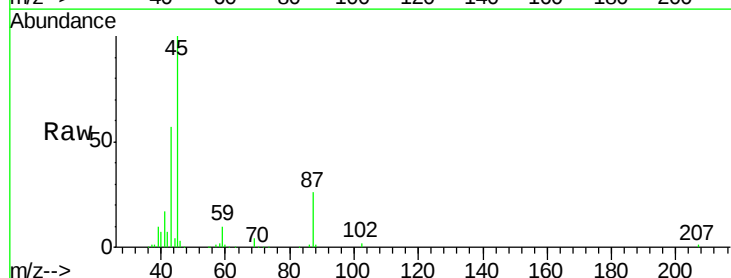
Ion Ratio Lower Upper

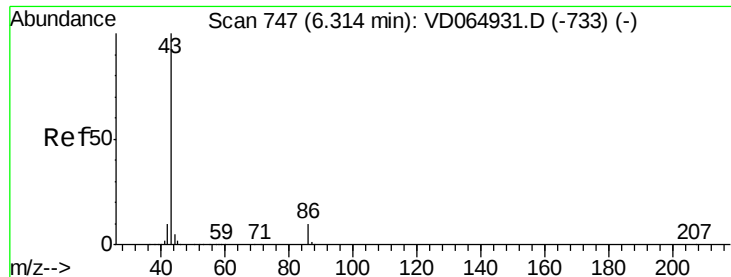
45 100

43 55.7 43.1 64.7

87 26.2 21.4 32.2

59 9.7 9.5 14.3





#23

Vinyl Acetate

Concen: 98.53 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

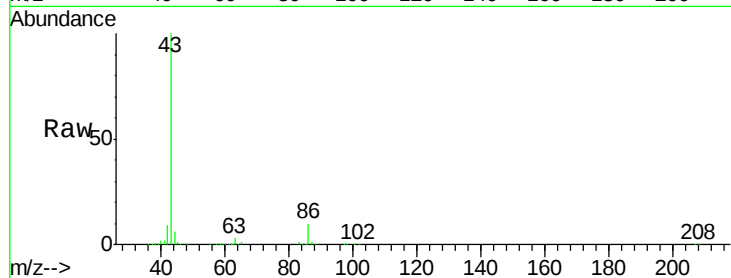
VD0203SBS01

Tgt Ion: 43 Resp: 758260

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

150000

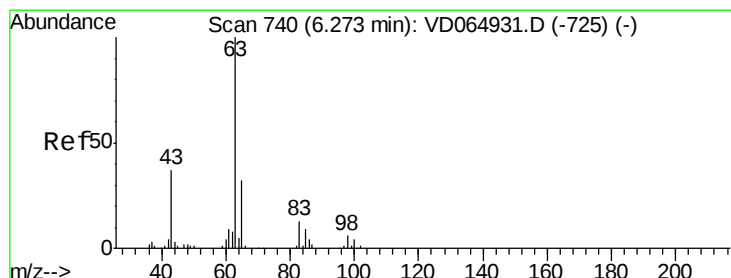
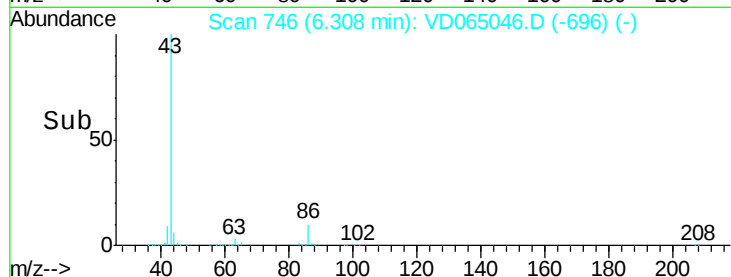
100000

50000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 22.07 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

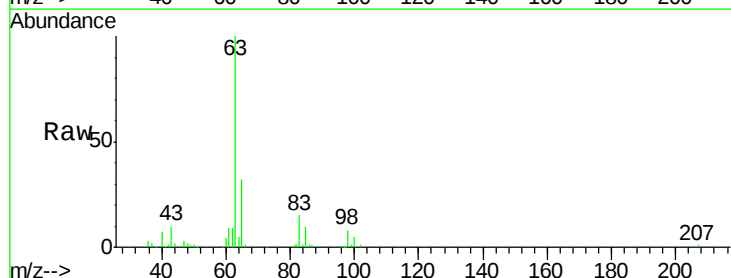
Tgt Ion: 63 Resp: 178134

Ion Ratio Lower Upper

63 100

98 7.9 3.1 9.3

100 5.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

80000

60000

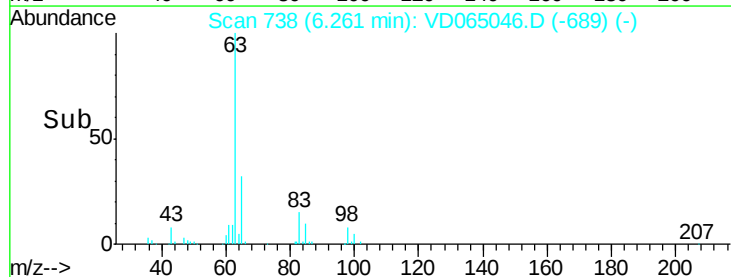
40000

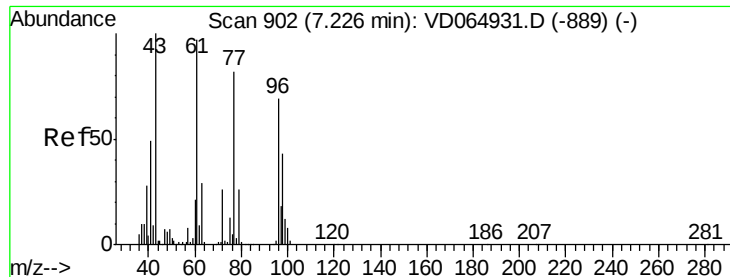
20000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 96.87 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

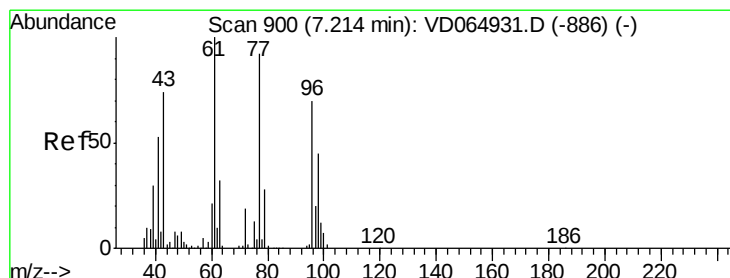
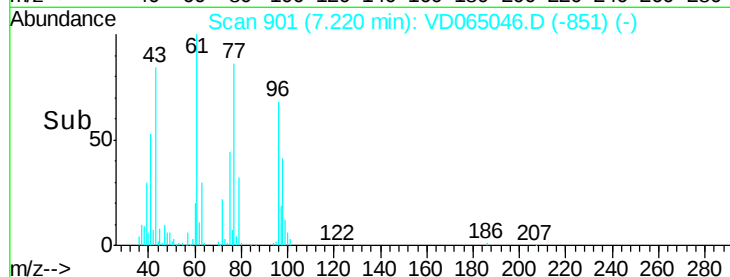
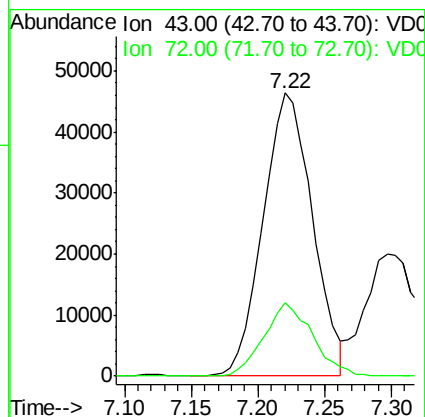
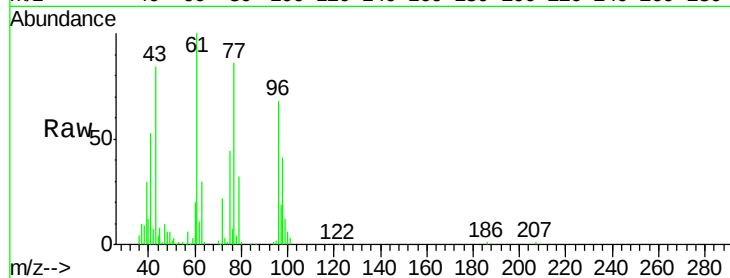
VD0203SBS01

Tgt Ion: 43 Resp: 119254

Ion Ratio Lower Upper

43 100

72 26.0 20.6 31.0



#26

2,2-Dichloropropane

Concen: 22.70 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065046.D

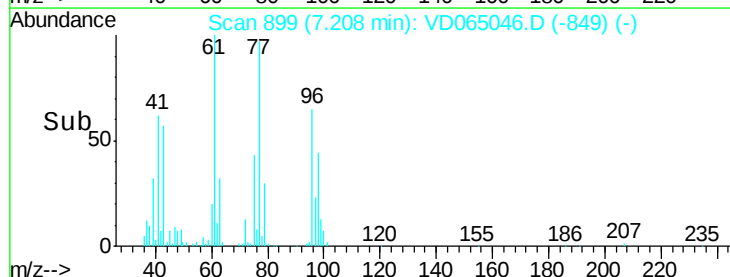
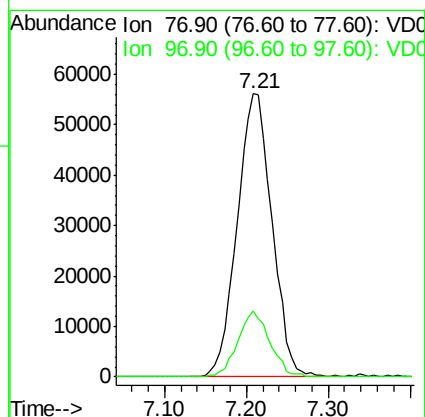
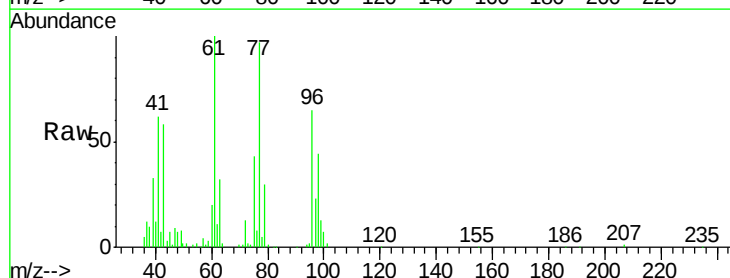
Acq: 03 Feb 2020 11:24

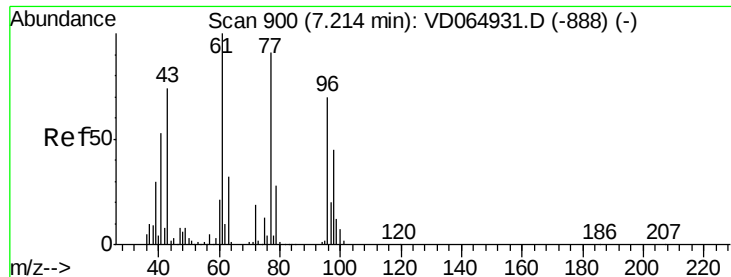
Tgt Ion: 77 Resp: 166165

Ion Ratio Lower Upper

77 100

97 21.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.42 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

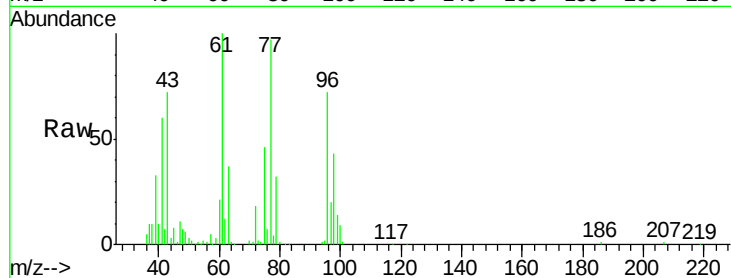
Tgt Ion: 96 Resp: 108921

Ion Ratio Lower Upper

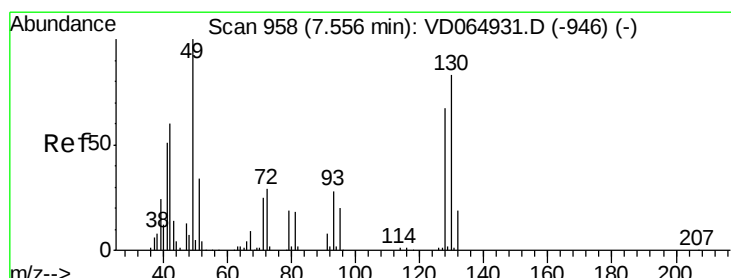
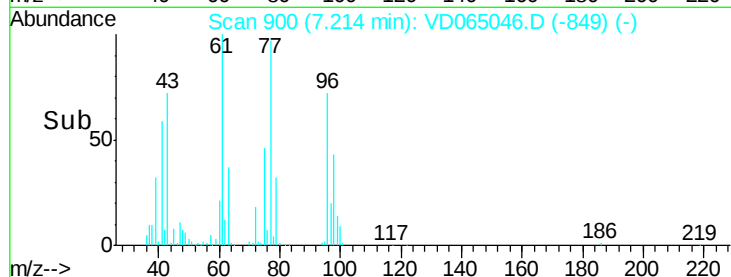
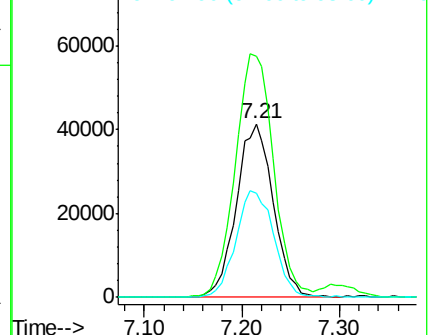
96 100

61 146.1 0.0 292.8

98 63.3 0.0 130.0



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



#28

Bromochloromethane

Concen: 17.69 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

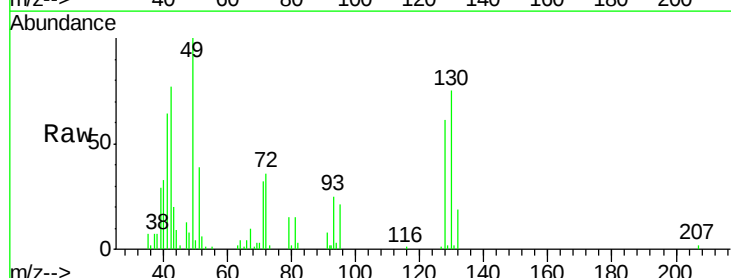
Tgt Ion: 49 Resp: 57107

Ion Ratio Lower Upper

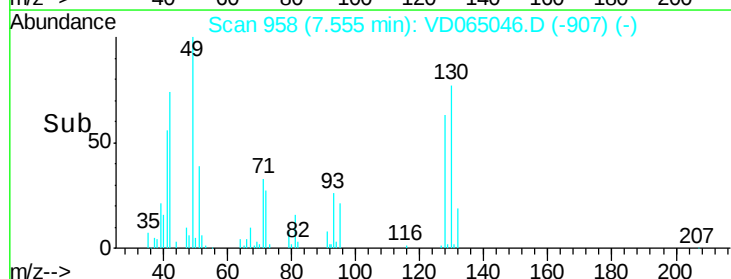
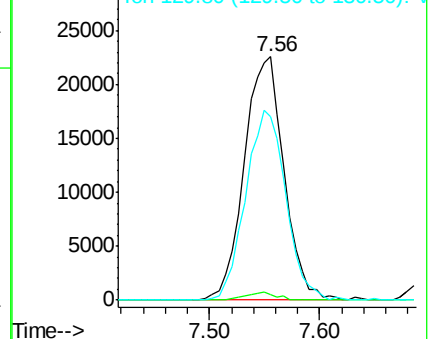
49 100

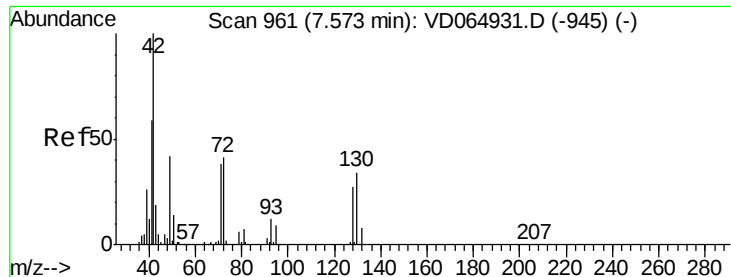
129 2.4 0.0 4.4

130 78.6 63.8 95.8



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

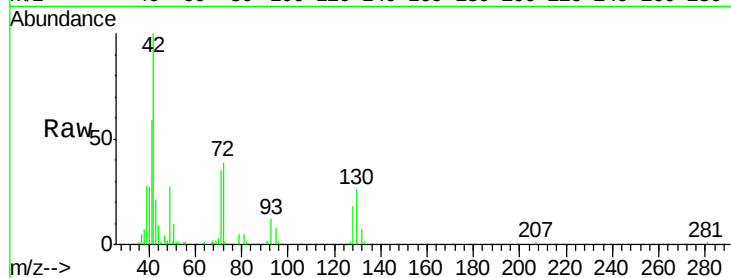




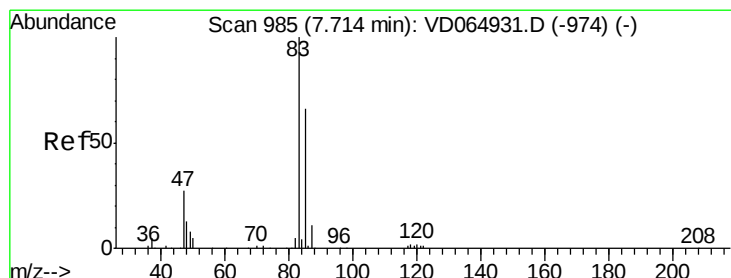
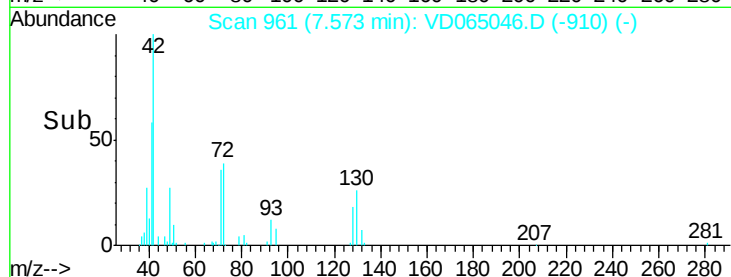
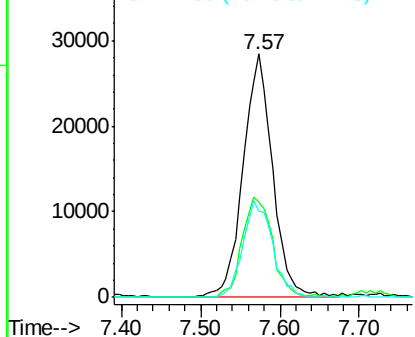
#29
Tetrahydrofuran
Concen: 96.94 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

Tgt Ion: 42 Resp: 73634
Ion Ratio Lower Upper
42 100
72 42.5 34.0 51.0
71 39.2 31.5 47.3

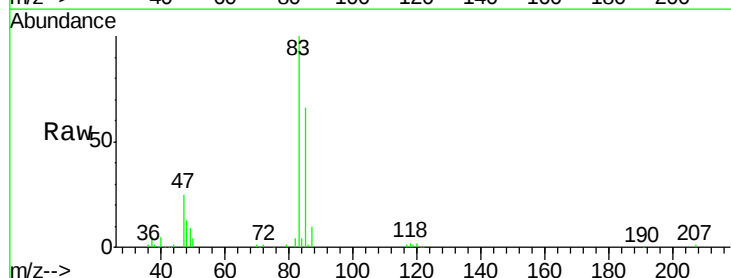


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

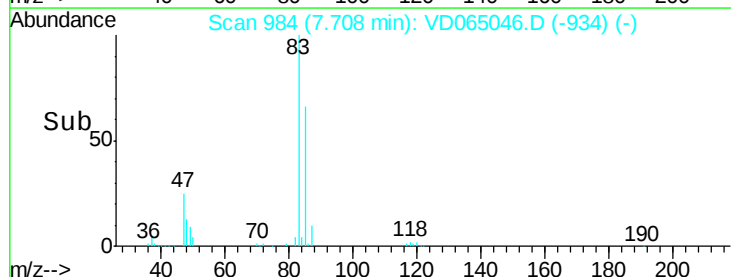
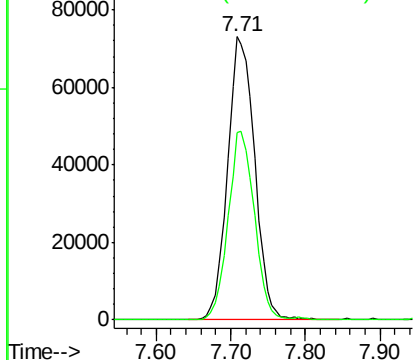


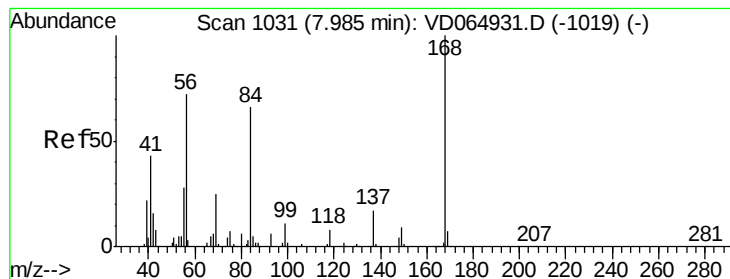
#30
Chloroform
Concen: 22.14 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 83 Resp: 184662
Ion Ratio Lower Upper
83 100
85 66.1 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: 21.18 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

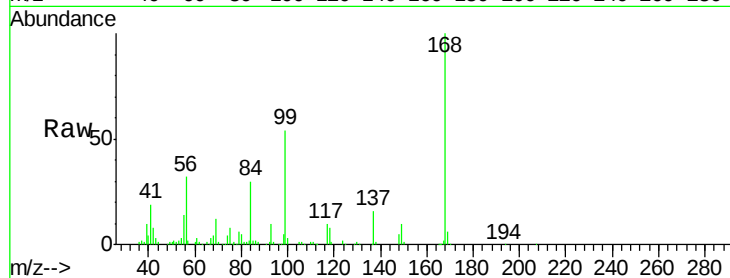
Tgt Ion: 56 Resp: 168110

Ion Ratio Lower Upper

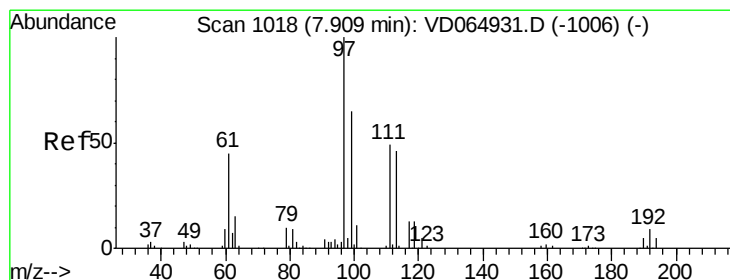
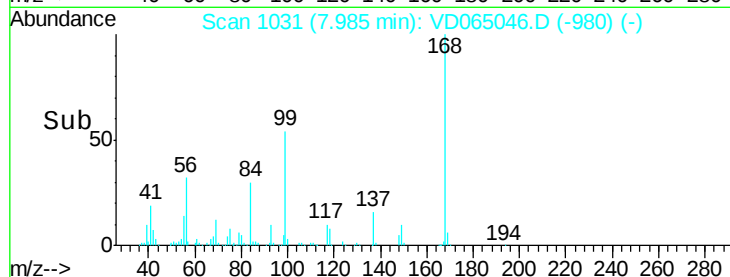
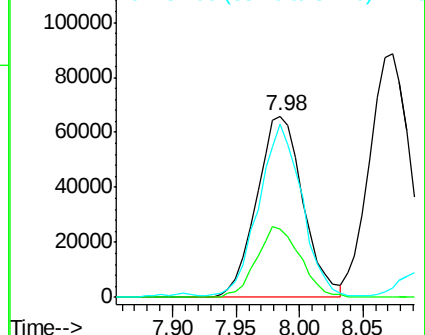
56 100

69 38.0 27.9 41.9

84 93.7 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: 22.29 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

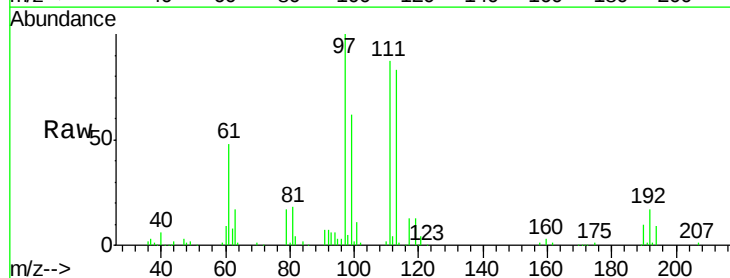
Tgt Ion: 97 Resp: 173015

Ion Ratio Lower Upper

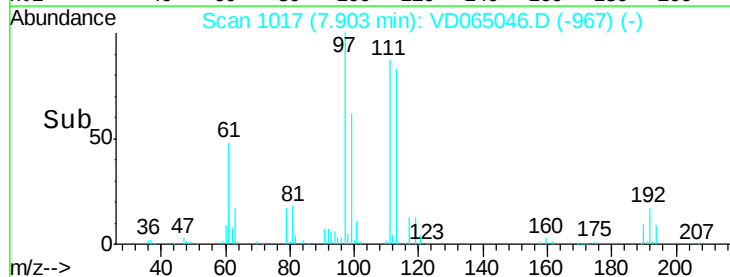
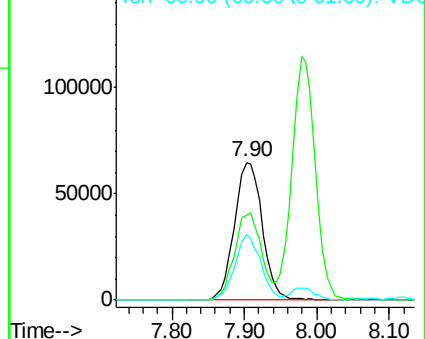
97 100

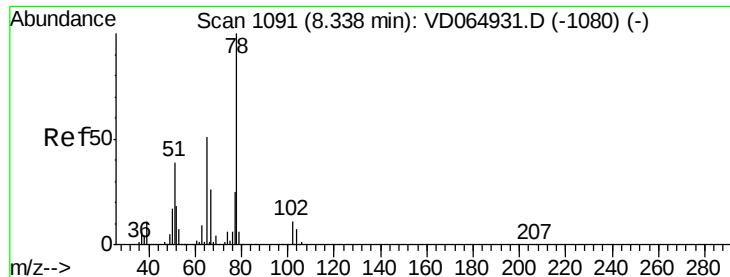
99 60.9 50.6 76.0

61 44.1 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: 51.07 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

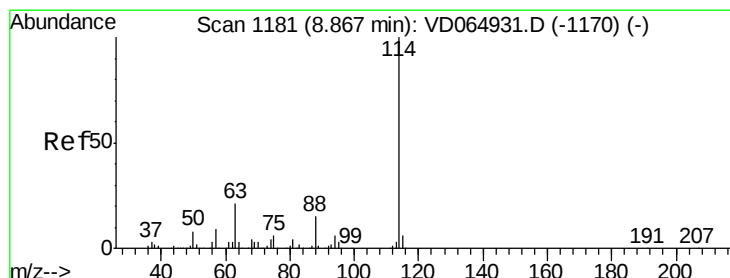
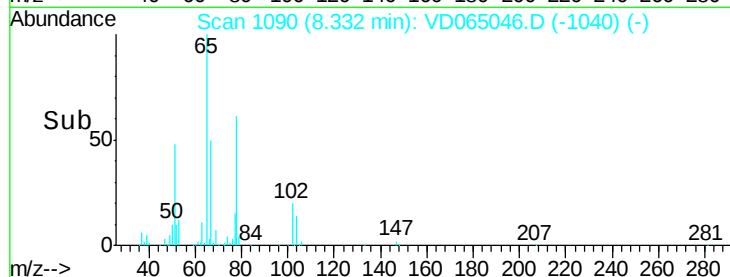
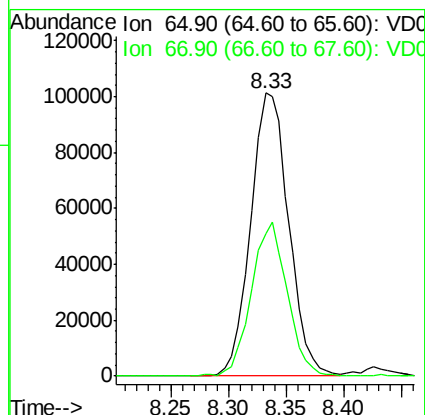
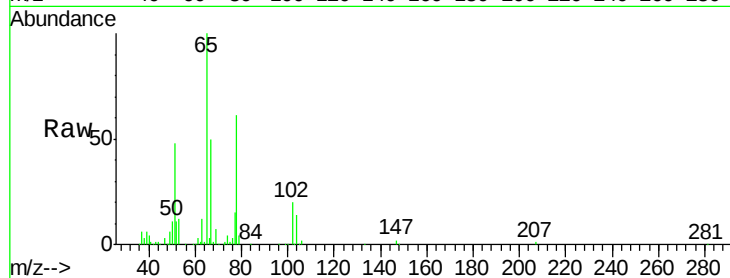
VD0203SBS01

Tgt Ion: 65 Resp: 232731

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

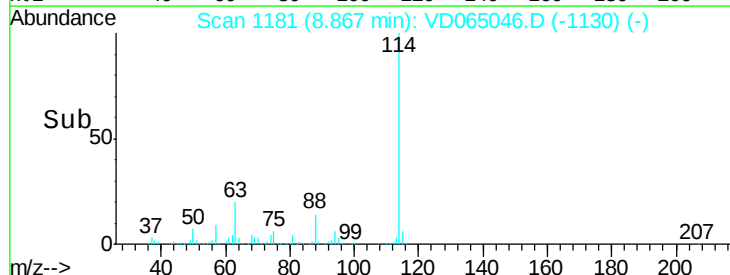
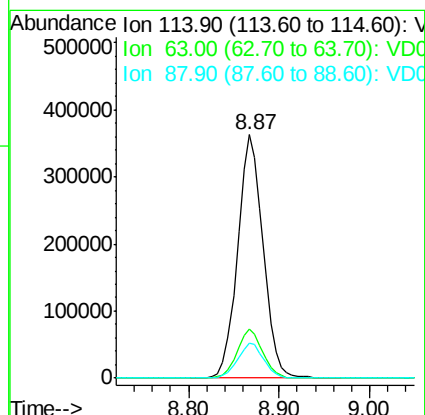
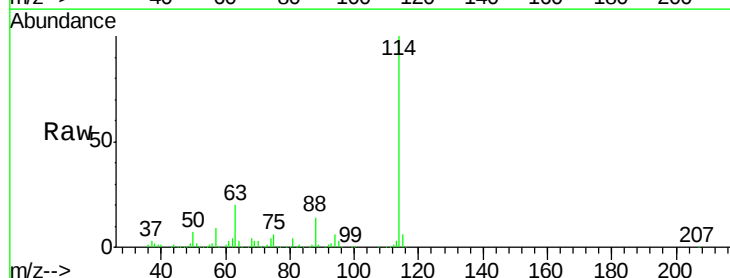
Tgt Ion: 114 Resp: 706988

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.0

88 14.2 0.0 29.4

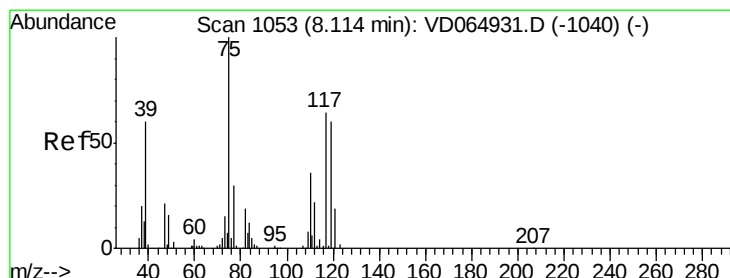
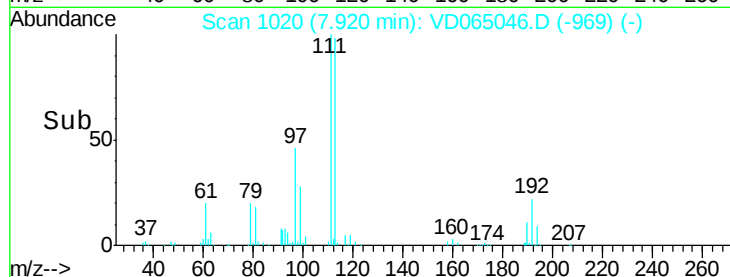
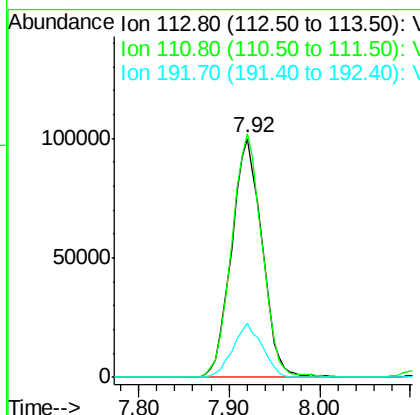
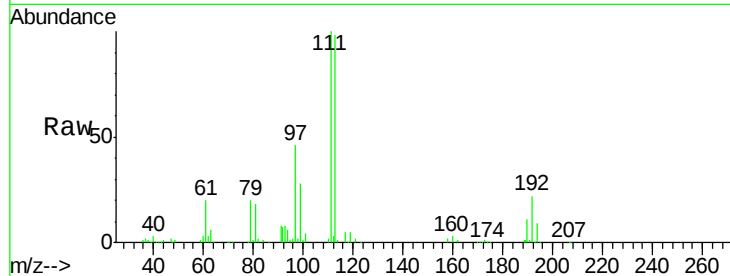




#35
 Dibromofluoromethane
 Concen: 52.81 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

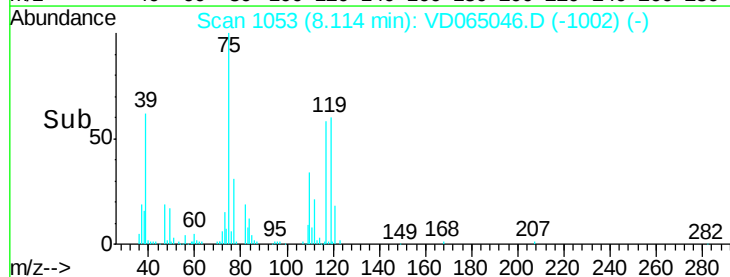
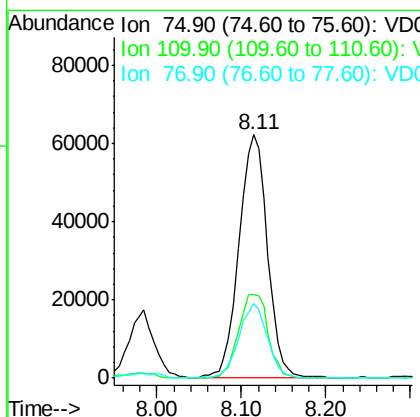
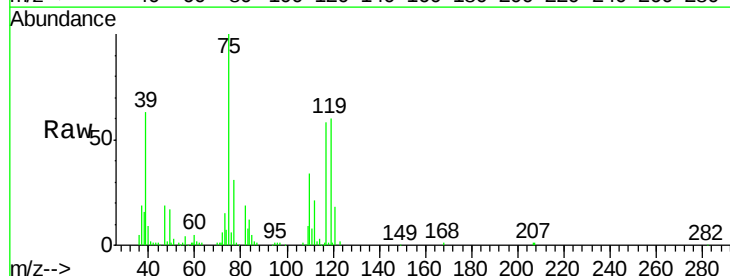
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

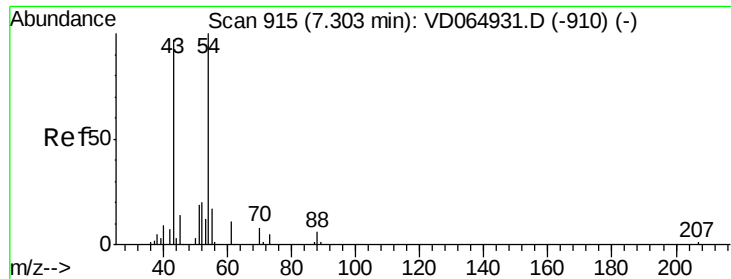
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.4	123.6
192	21.8	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 21.33 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.3	52.0
77	30.6	24.7	37.1

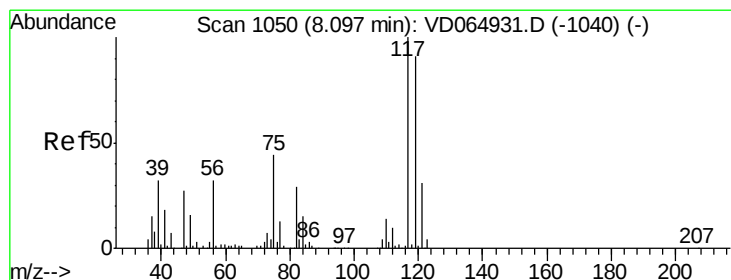
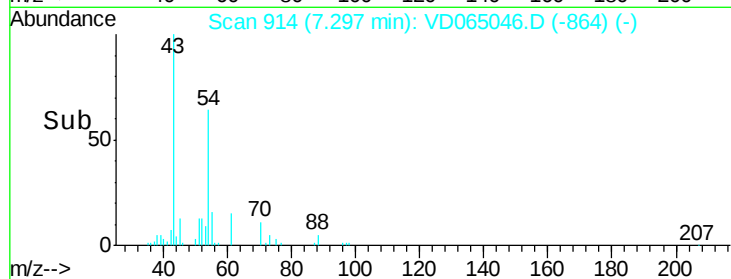
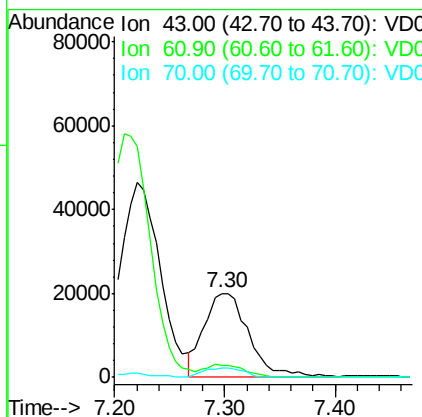
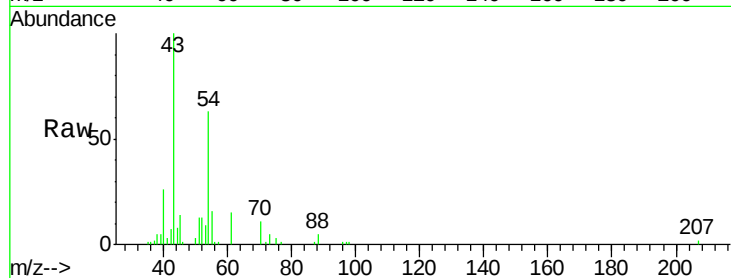




#37
Ethyl Acetate
Concen: 19.52 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

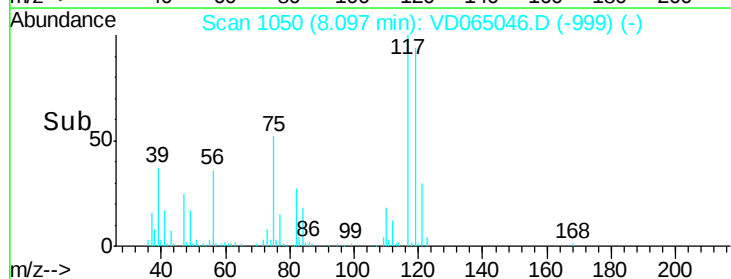
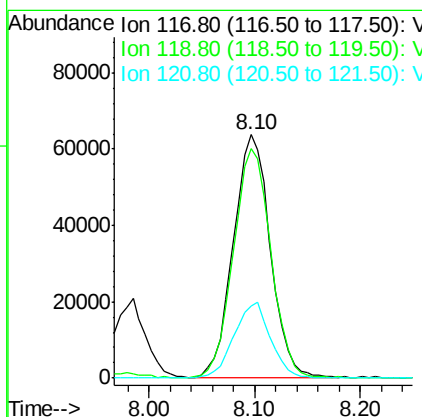
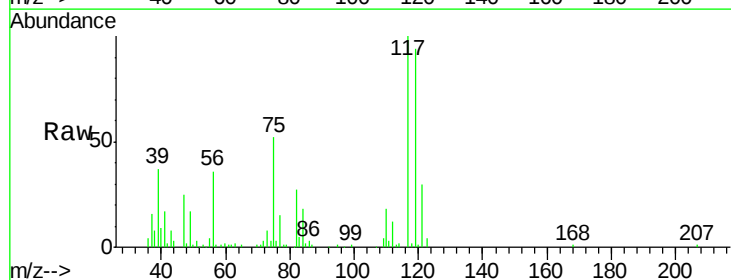
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

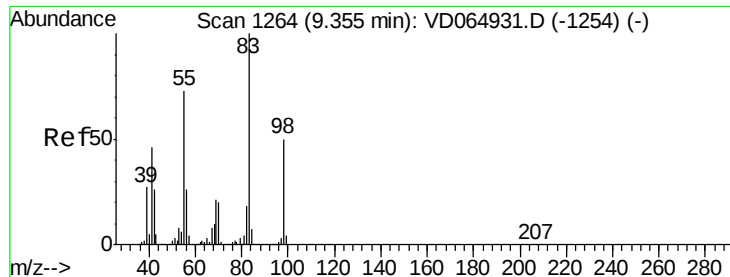
Tgt Ion: 43 Resp: 54971
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.4
70 10.4 7.5 11.3



#38
Carbon Tetrachloride
Concen: 21.56 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 117 Resp: 155344
Ion Ratio Lower Upper
117 100
119 94.4 73.2 109.8
121 29.8 24.4 36.6

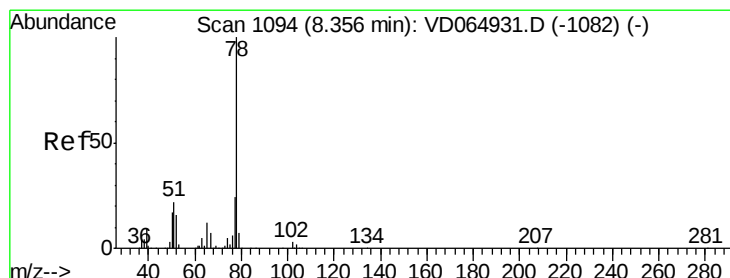
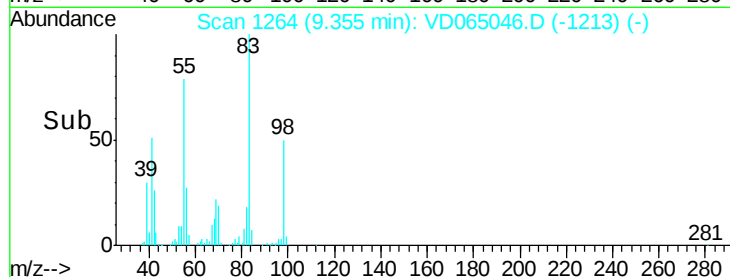
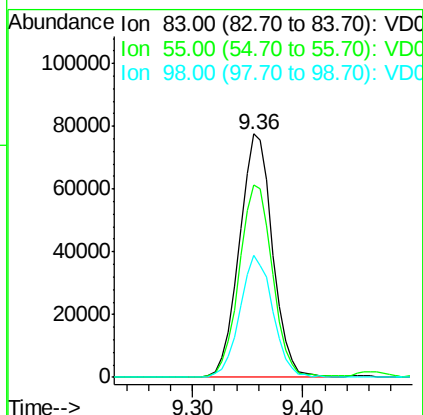
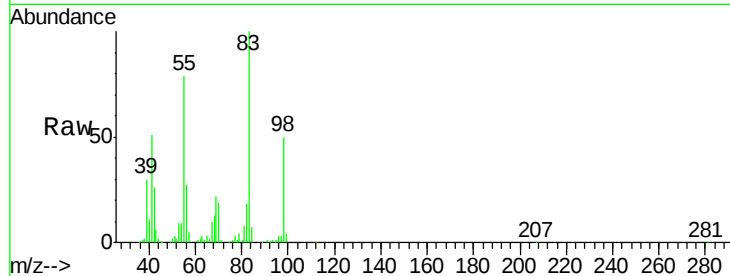




#39
Methylcyclohexane
Concen: 20.58 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

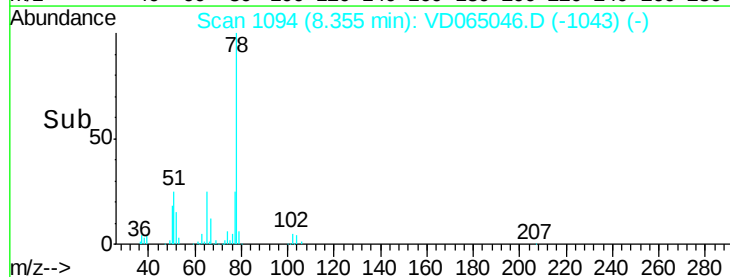
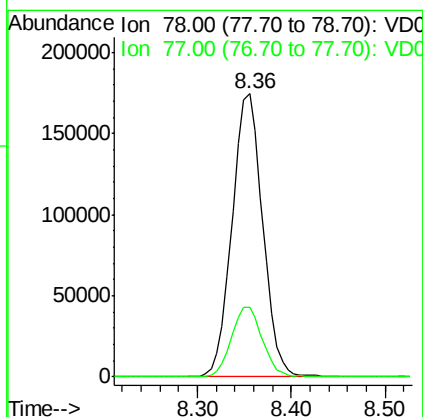
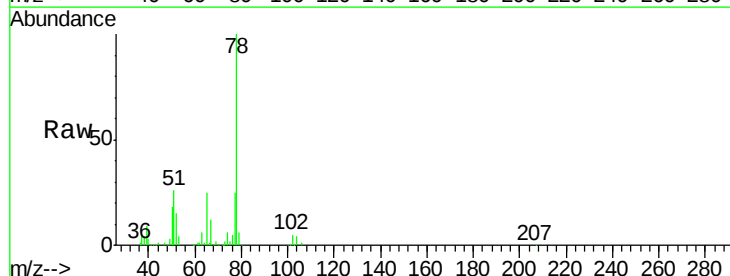
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

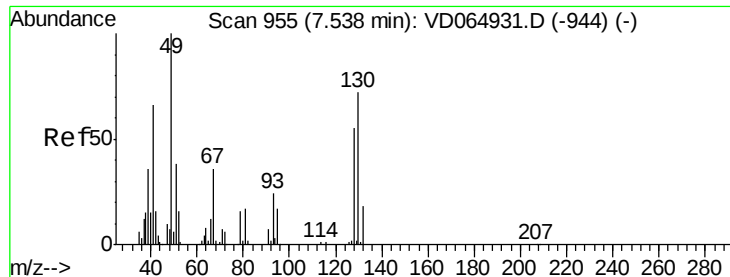
Tgt Ion: 83 Resp: 164038
Ion Ratio Lower Upper
83 100
55 78.8 58.7 88.1
98 50.3 40.2 60.2



#40
Benzene
Concen: 21.05 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 78 Resp: 395247
Ion Ratio Lower Upper
78 100
77 24.7 19.2 28.8

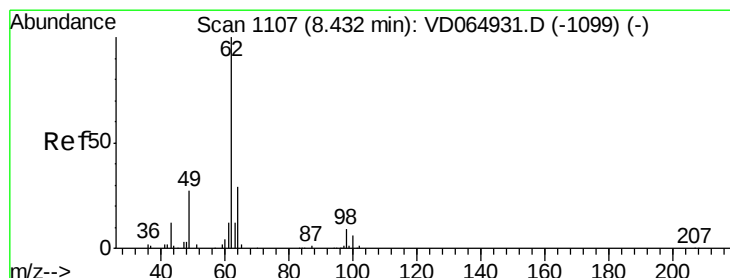
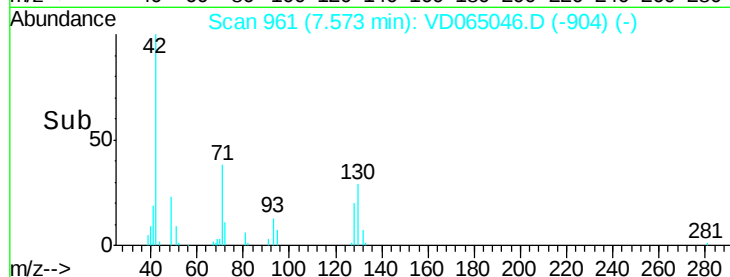
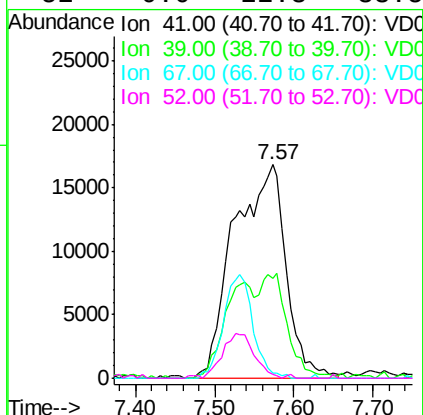
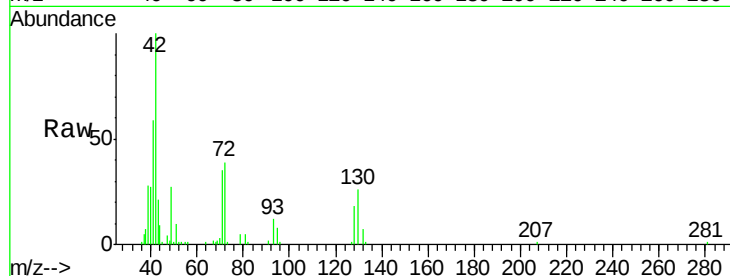




#41
Methacrylonitrile
Concen: 50.48 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

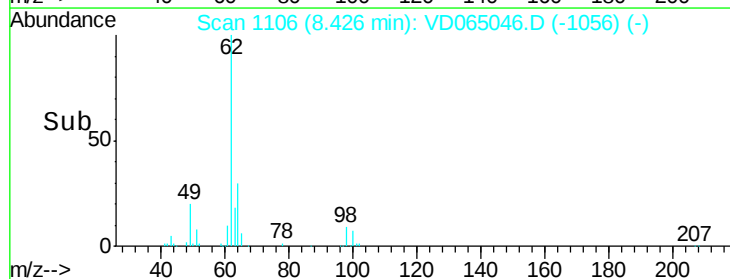
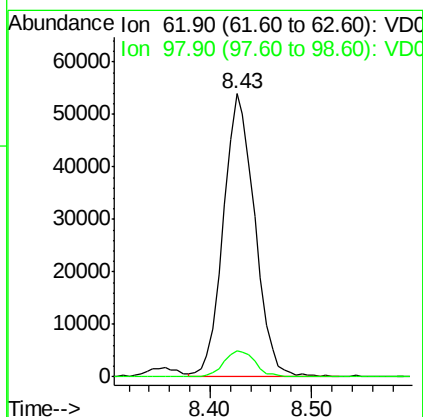
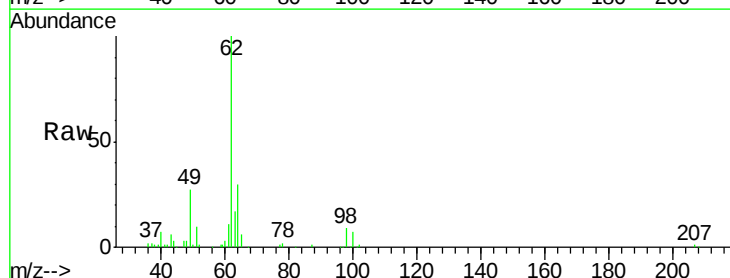
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

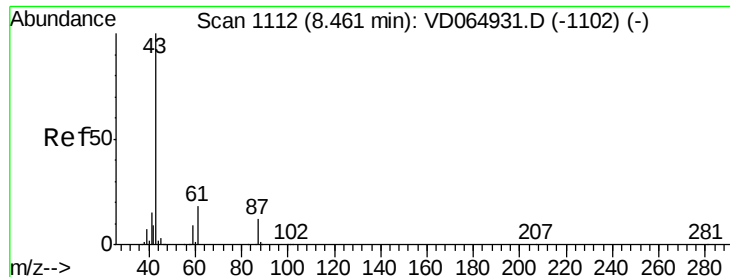
Tgt Ion: 41 Resp: 76574
Ion Ratio Lower Upper
41 100
39 23.9 49.3 73.9#
67 0.0 51.0 76.6#
52 0.0 22.3 33.5#



#42
1,2-Dichloroethane
Concen: 20.76 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 62 Resp: 116110
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.8





#43

Isopropyl Acetate

Concen: 19.11 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

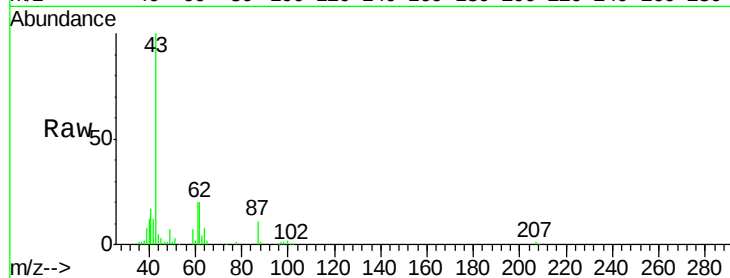
Tgt Ion: 43 Resp: 102196

Ion Ratio Lower Upper

43 100

61 30.5 23.8 35.6

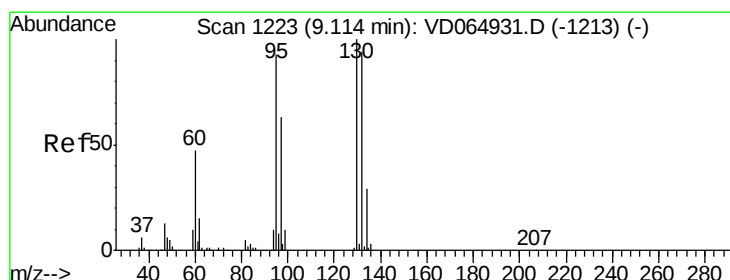
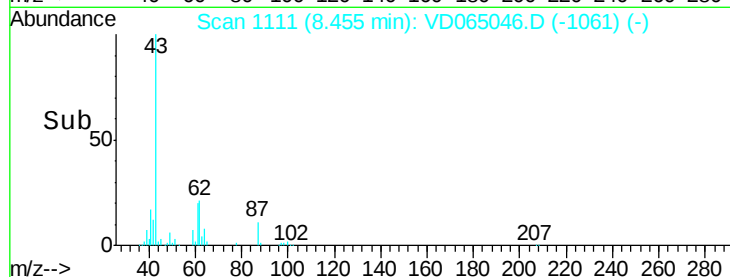
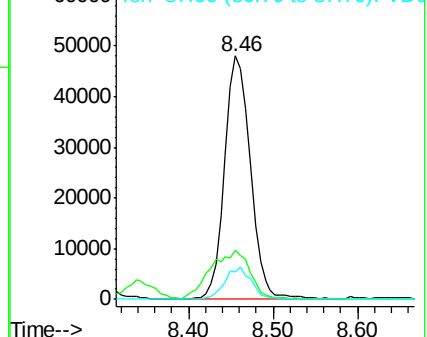
87 13.3 10.3 15.5



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: 21.16 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065046.D

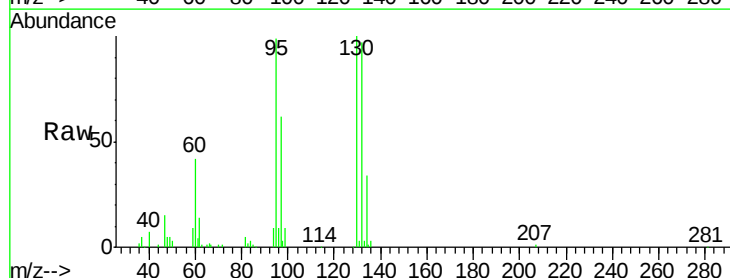
Acq: 03 Feb 2020 11:24

Tgt Ion: 130 Resp: 111171

Ion Ratio Lower Upper

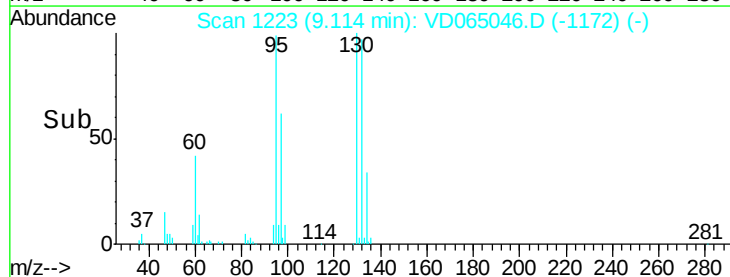
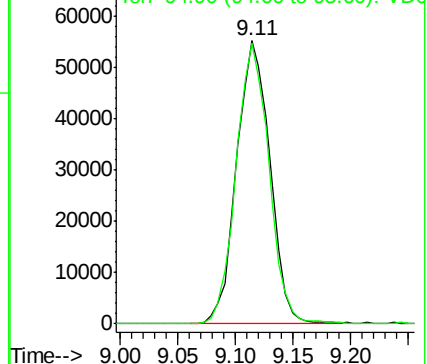
130 100

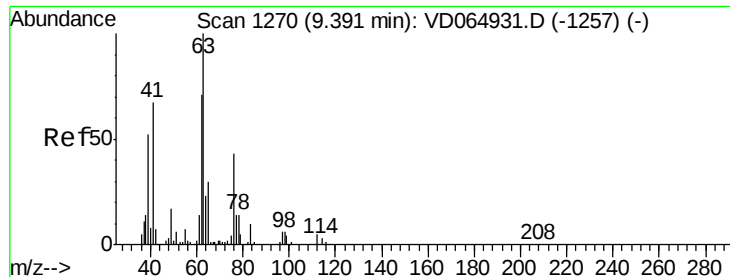
95 99.1 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.02 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

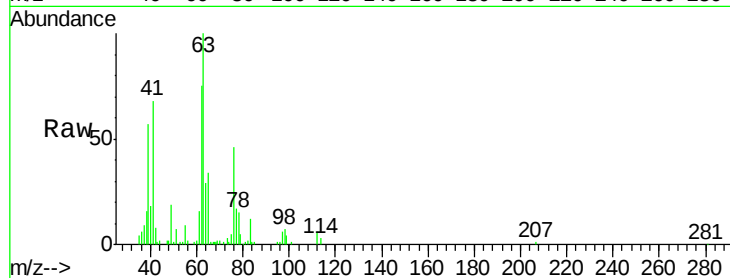
VD0203SBS01

Tgt Ion: 63 Resp: 95672

Ion Ratio Lower Upper

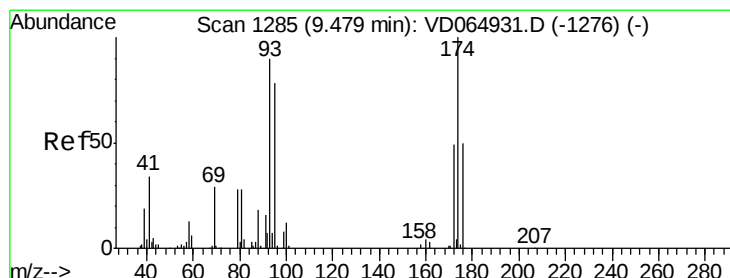
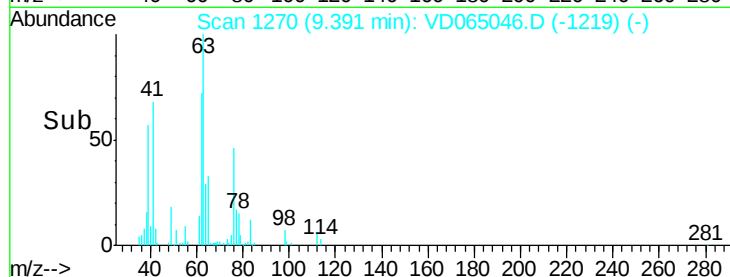
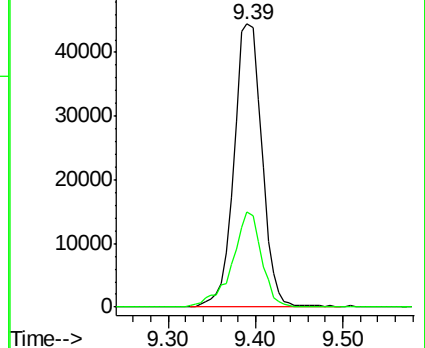
63 100

65 33.6 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: 20.62 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

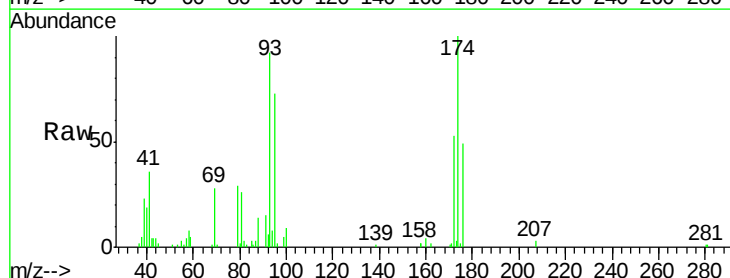
Tgt Ion: 93 Resp: 51237

Ion Ratio Lower Upper

93 100

95 83.2 67.5 101.3

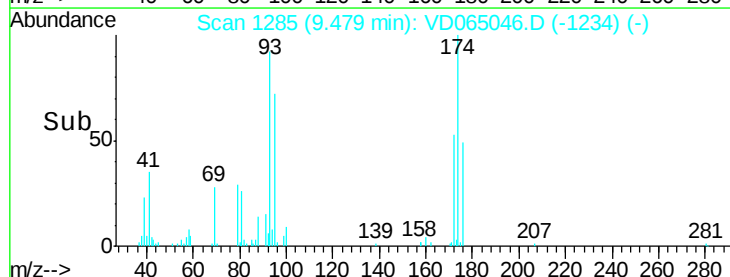
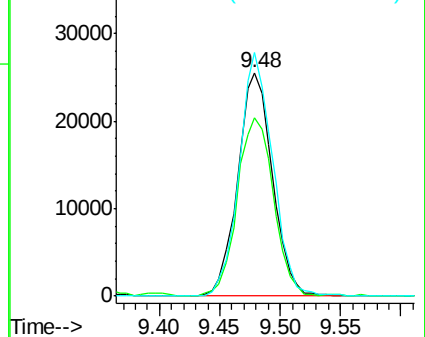
174 104.8 88.4 132.6

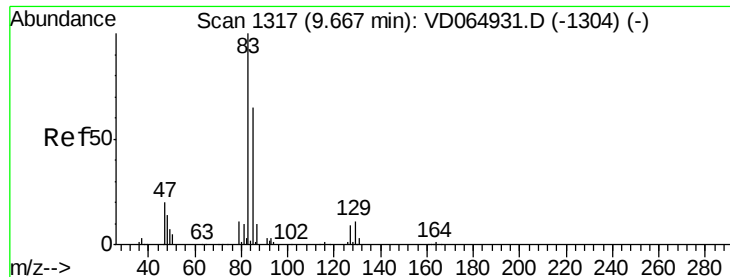


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.56 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

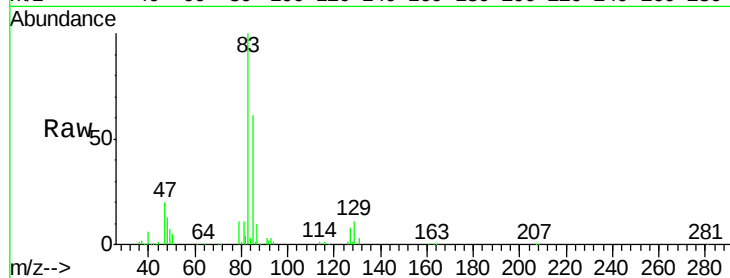
Tgt Ion: 83 Resp: 139424

Ion Ratio Lower Upper

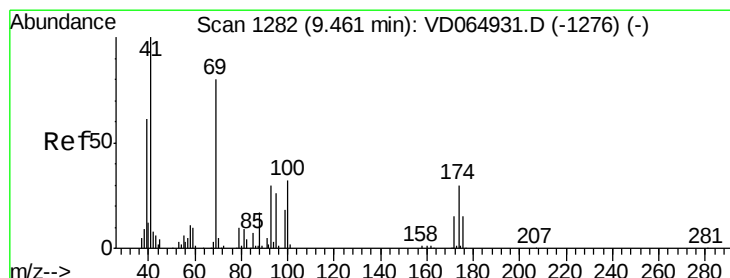
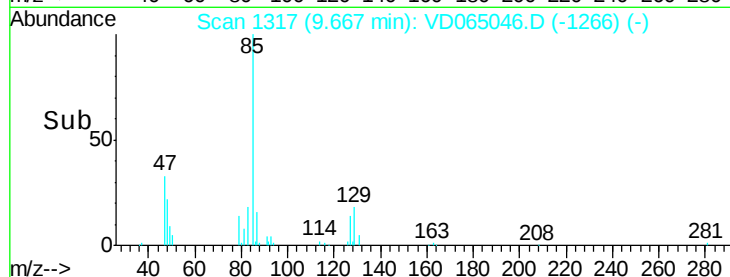
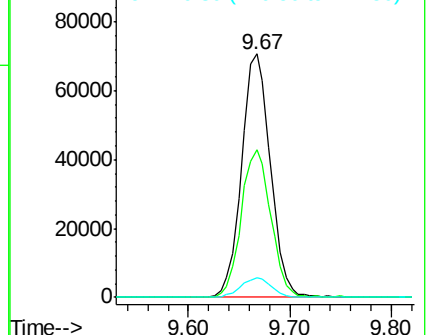
83 100

85 60.6 52.0 78.0

127 8.2 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: 19.81 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

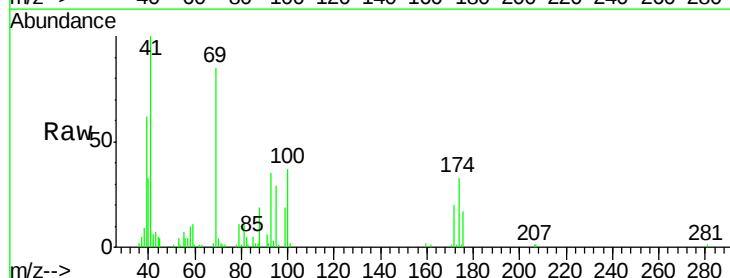
Tgt Ion: 41 Resp: 48751

Ion Ratio Lower Upper

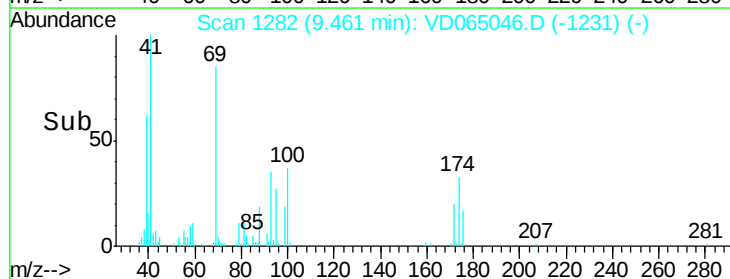
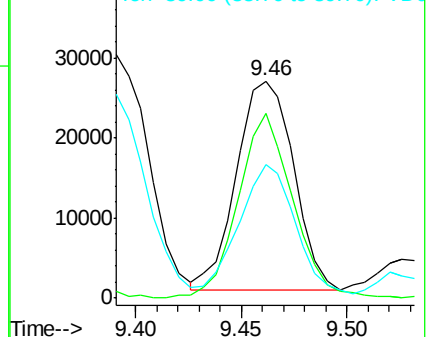
41 100

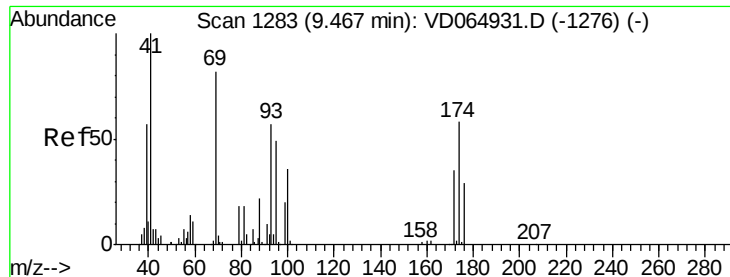
69 85.3 65.8 98.8

39 60.8 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

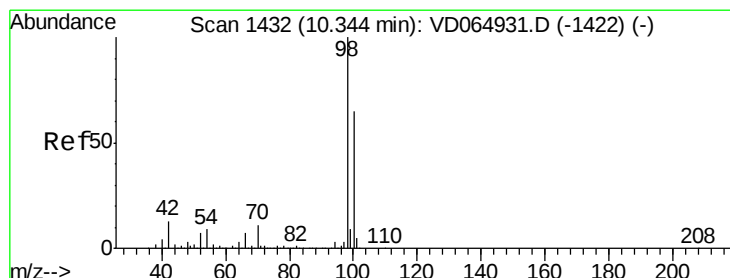
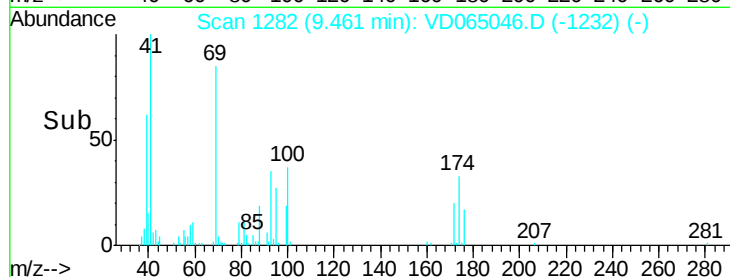
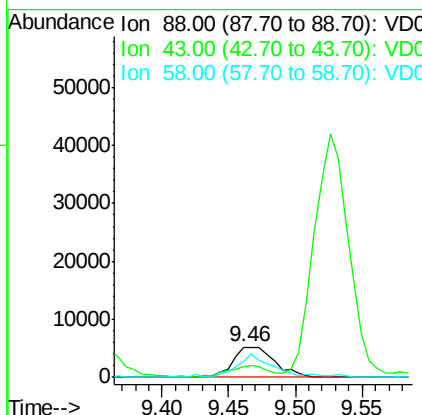
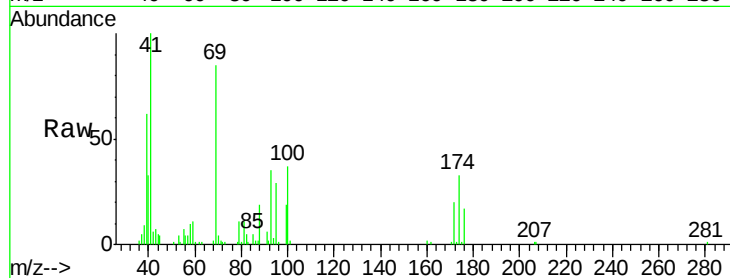




#49
1,4-Dioxane
Concen: 396.48 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

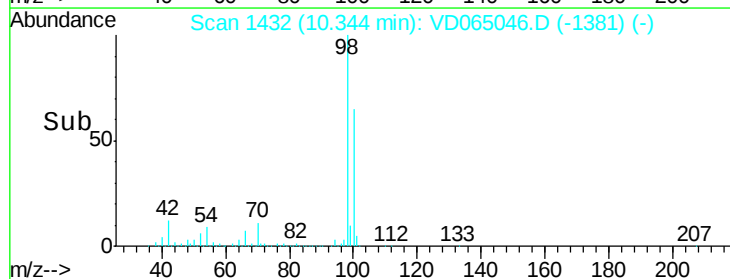
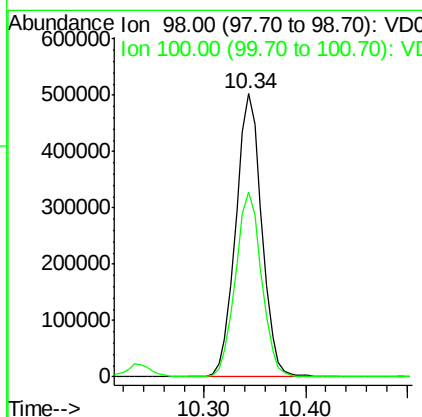
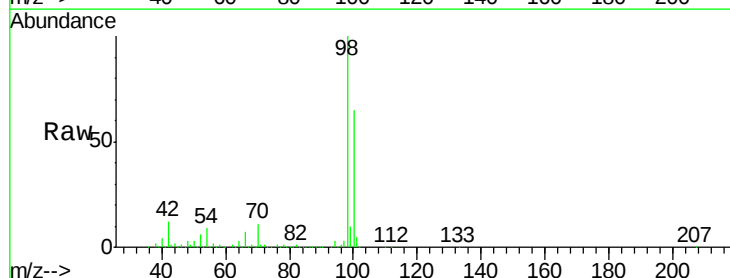
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

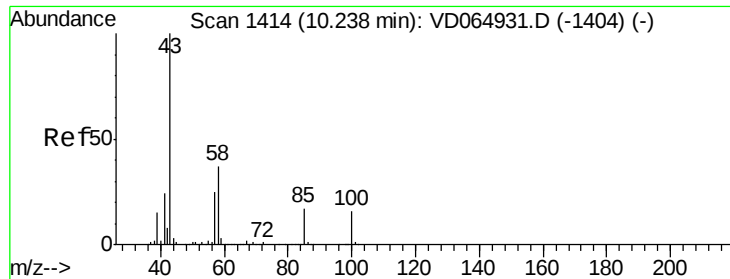
Tgt Ion: 88 Resp: 11427
Ion Ratio Lower Upper
88 100
43 32.8 26.2 39.4
58 65.3 50.3 75.5



#50
Toluene-d8
Concen: 52.20 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 98 Resp: 895078
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

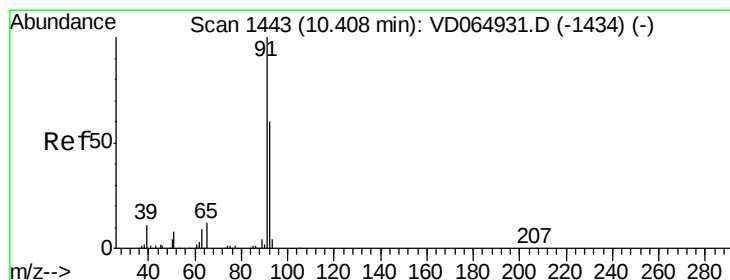
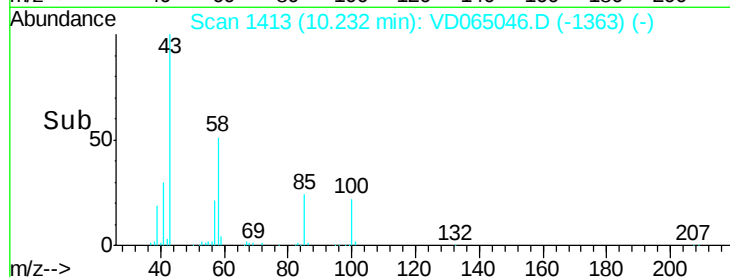
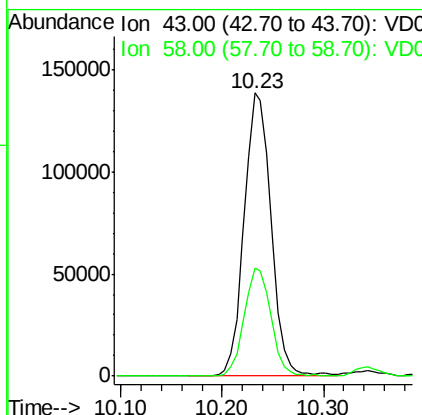
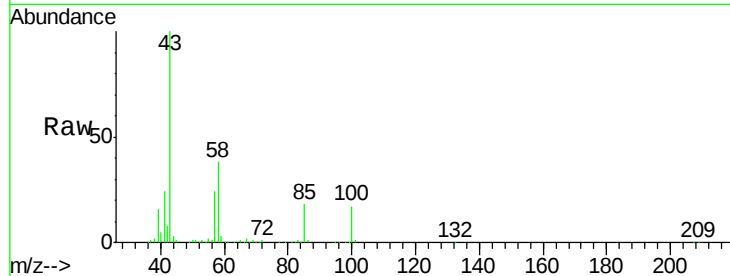




#51
 4-Methyl-2-Pentanone
 Concen: 95.46 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

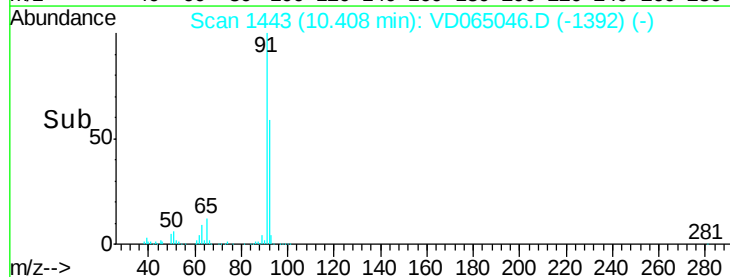
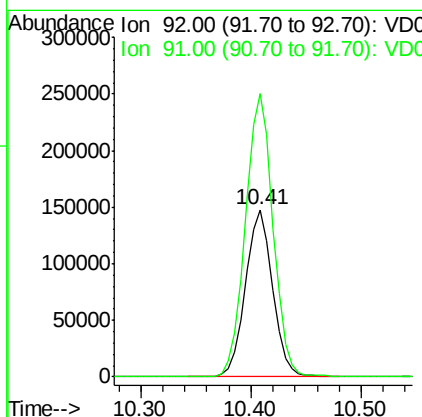
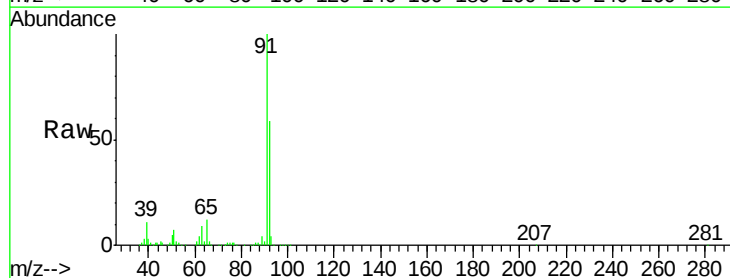
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

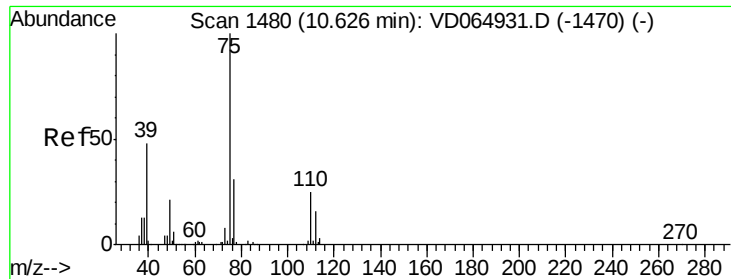
Tgt Ion: 43 Resp: 255489
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.4 45.6



#52
 Toluene
 Concen: 21.16 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion: 92 Resp: 256164
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 20.42 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

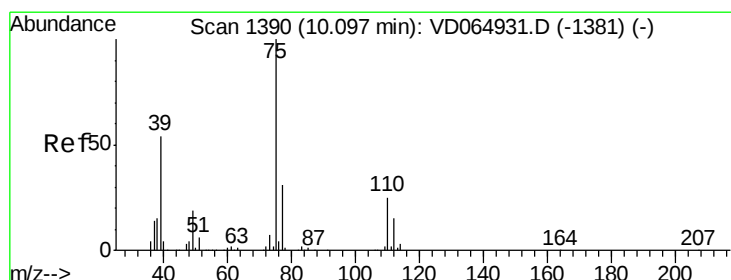
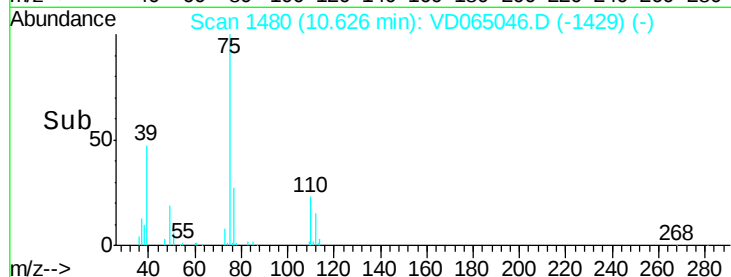
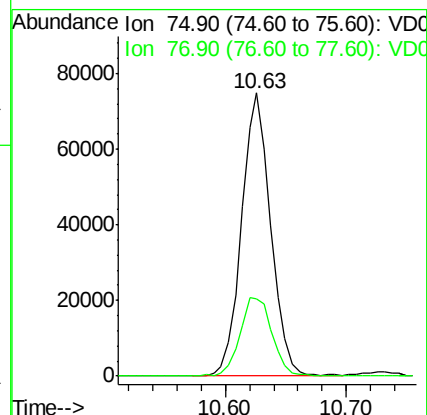
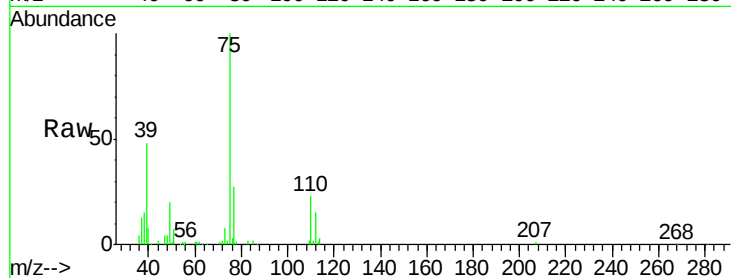
VD0203SBS01

Tgt Ion: 75 Resp: 125775

Ion Ratio Lower Upper

75 100

77 27.2 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.74 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

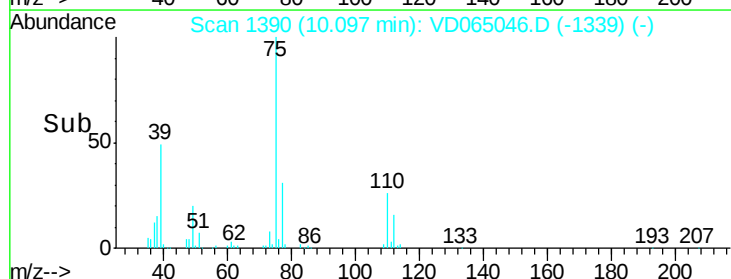
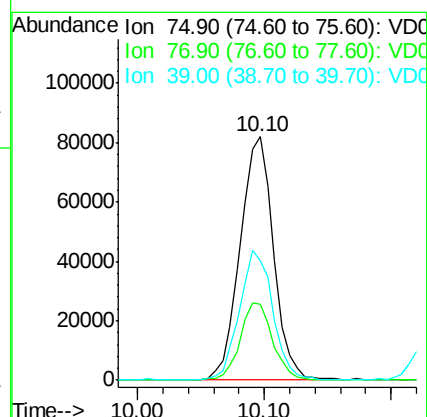
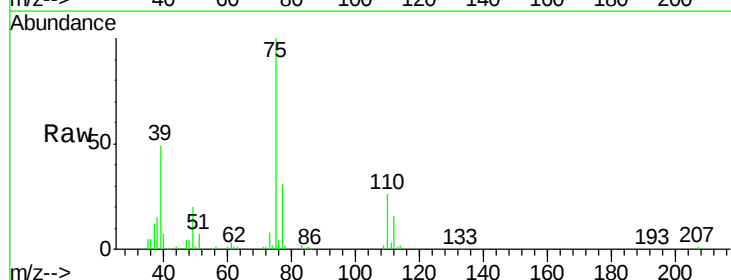
Tgt Ion: 75 Resp: 149541

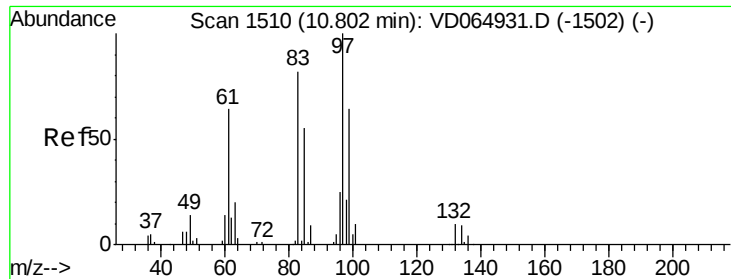
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 49.1 43.0 64.6

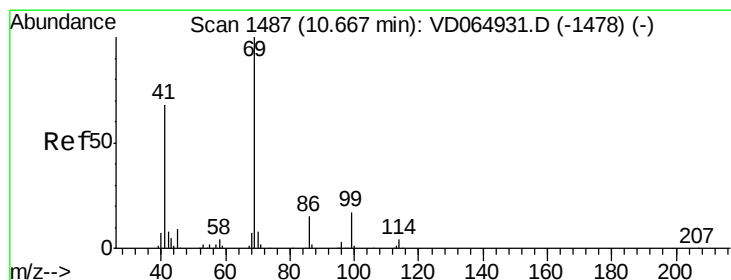
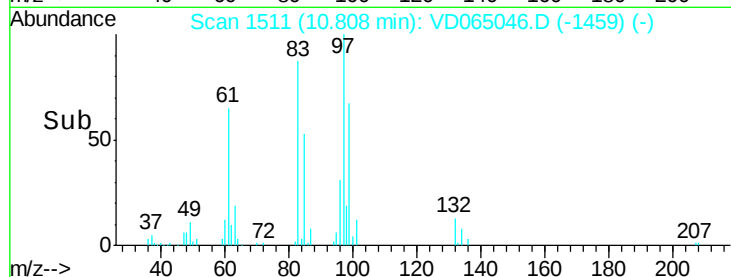
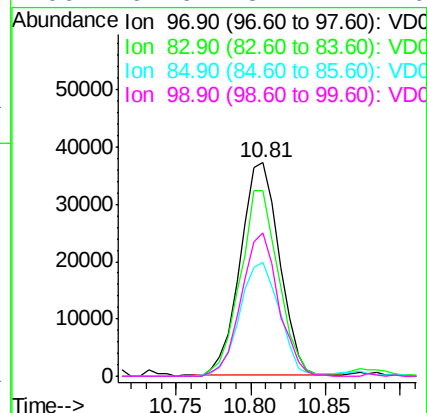
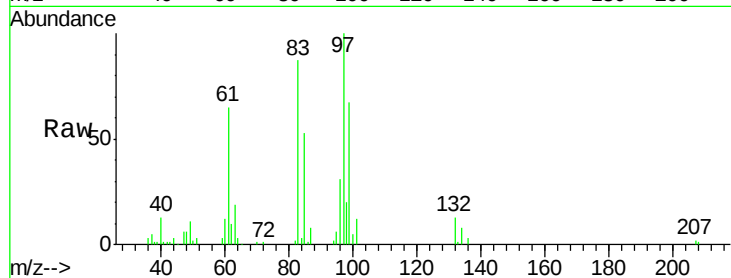




#55
 1,1,2-Trichloroethane
 Concen: 20.23 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

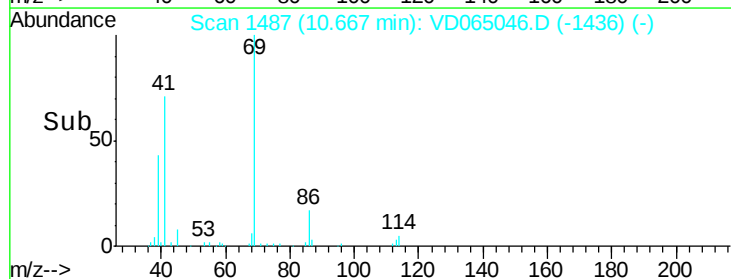
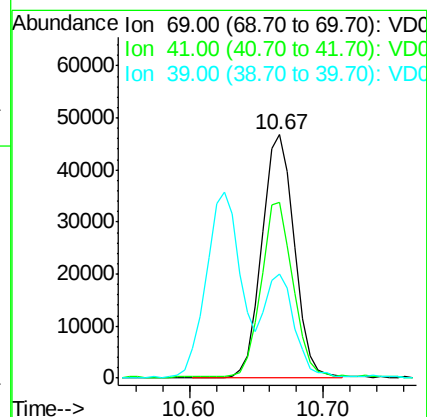
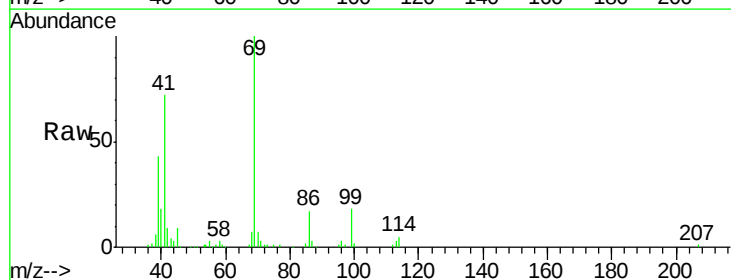
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

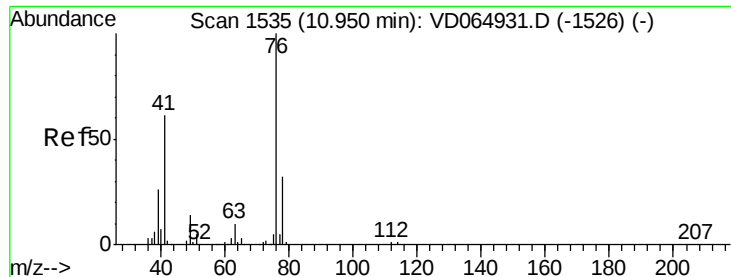
Tgt Ion: 97 Resp: 67729
 Ion Ratio Lower Upper
 97 100
 83 87.4 66.0 99.0
 85 53.6 44.4 66.6
 99 67.6 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 19.64 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion: 69 Resp: 78635
 Ion Ratio Lower Upper
 69 100
 41 70.1 56.4 84.6
 39 38.8 30.6 46.0

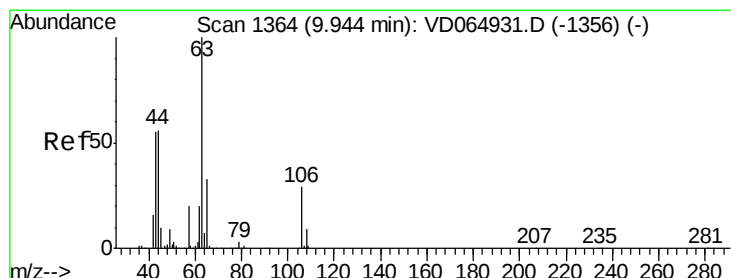
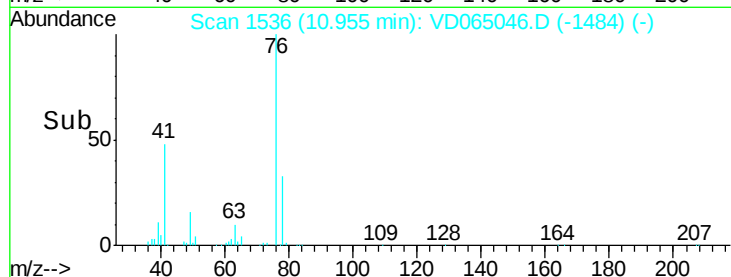
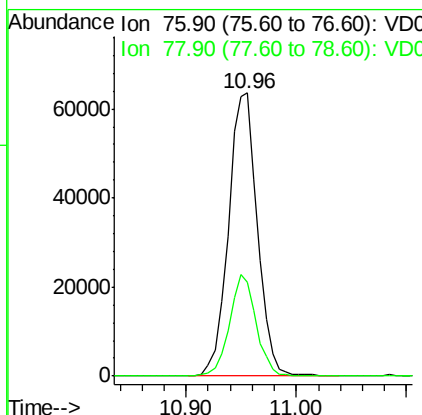
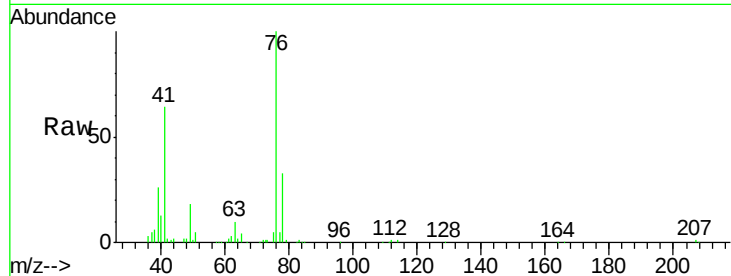




#57
 1,3-Dichloropropane
 Concen: 20.28 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

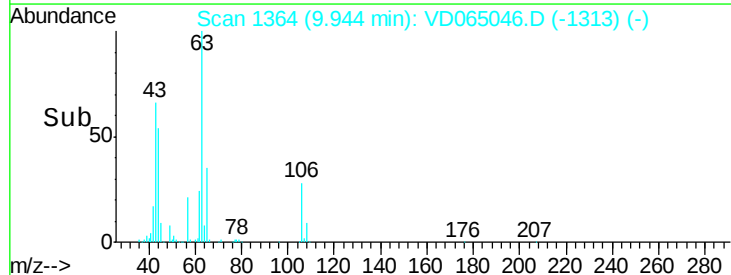
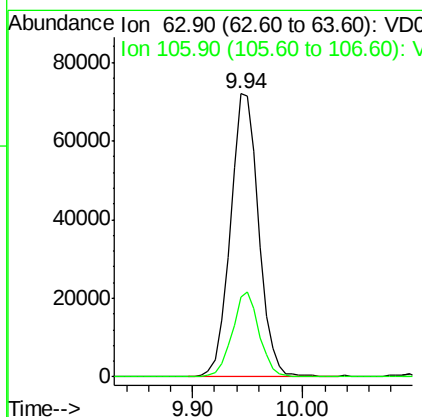
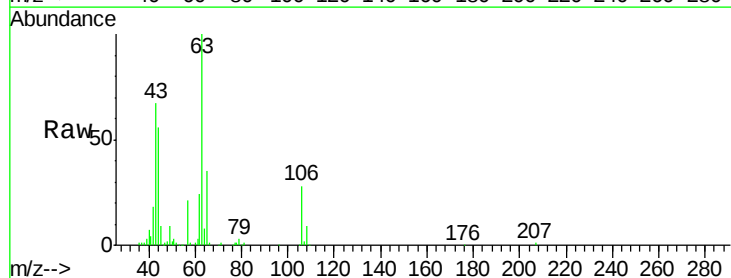
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

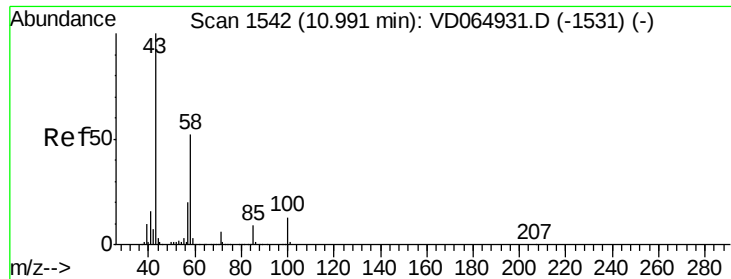
Tgt Ion: 76 Resp: 116437
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.47 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion: 63 Resp: 129626
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.0 34.4

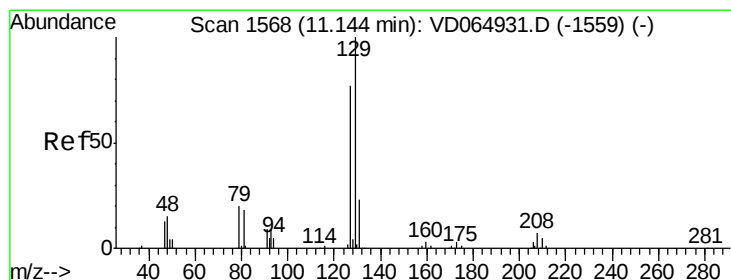
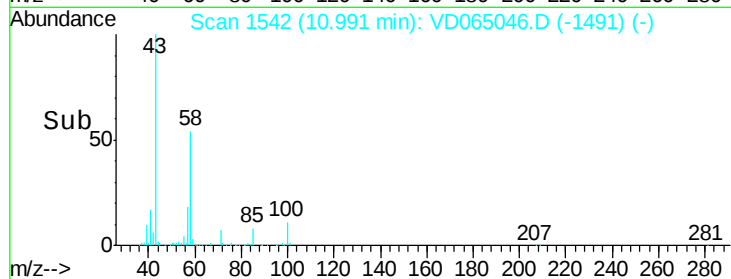
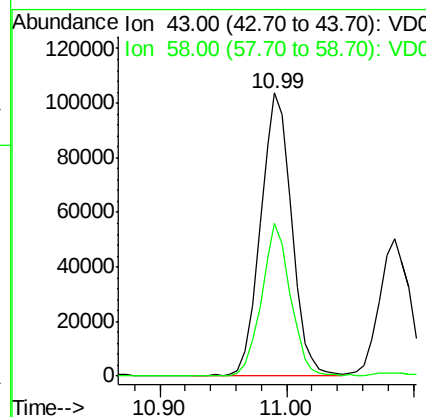
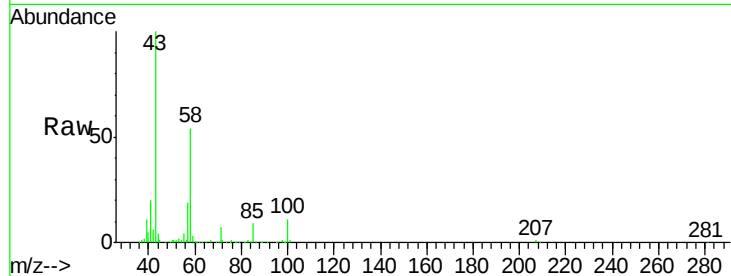




#59
2-Hexanone
Concen: 96.22 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

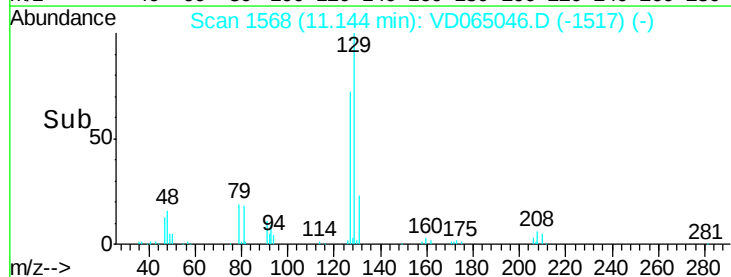
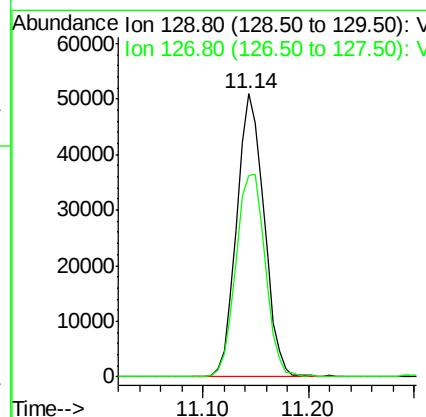
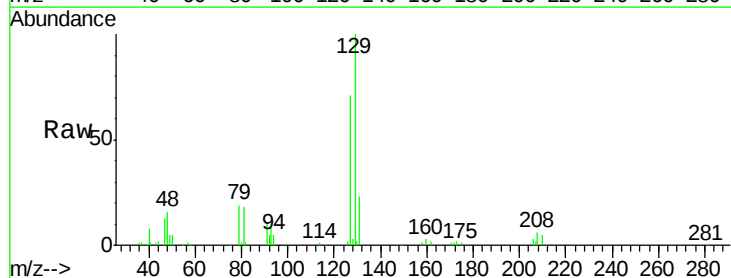
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

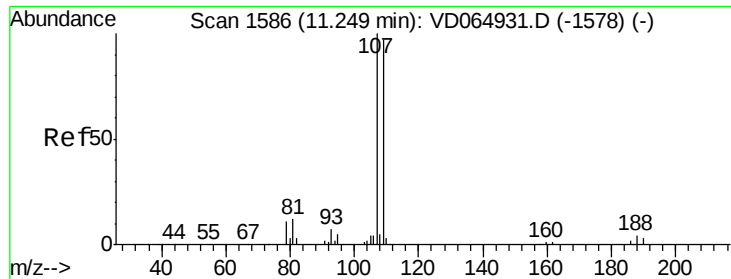
Tgt Ion: 43 Resp: 177634
Ion Ratio Lower Upper
43 100
58 50.3 26.5 79.4



#60
Dibromochloromethane
Concen: 20.40 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 129 Resp: 91269
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6

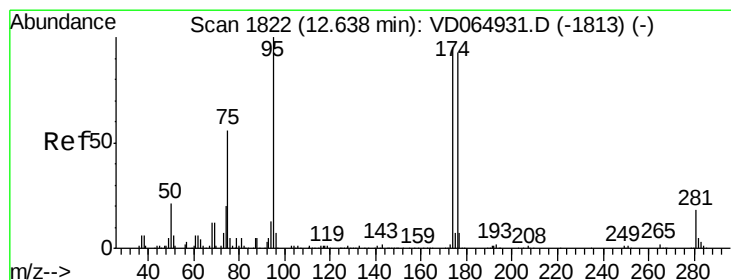
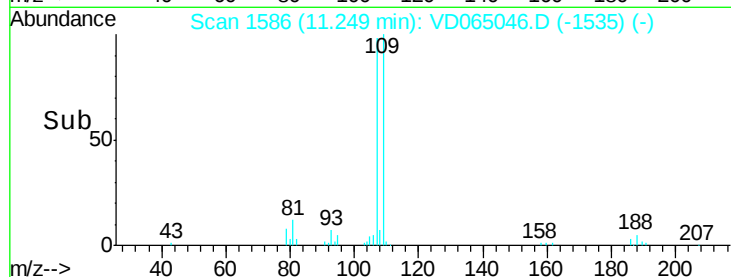
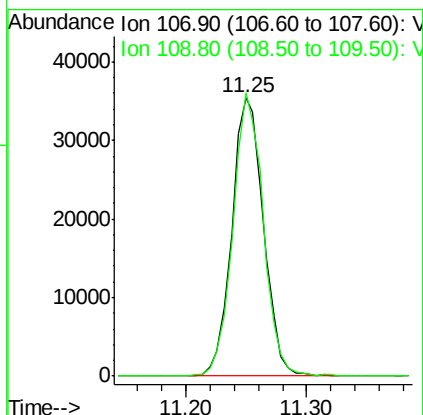
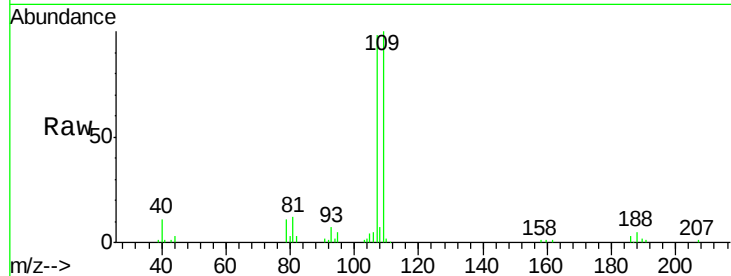




#61
1,2-Dibromoethane
Concen: 20.01 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

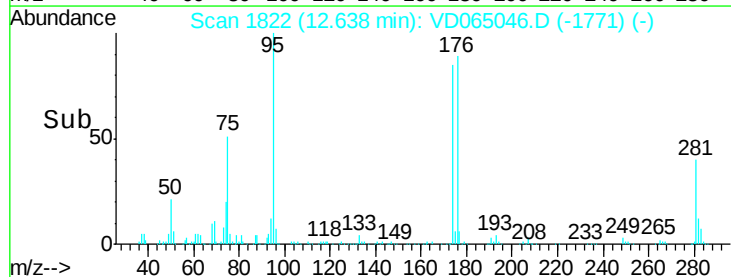
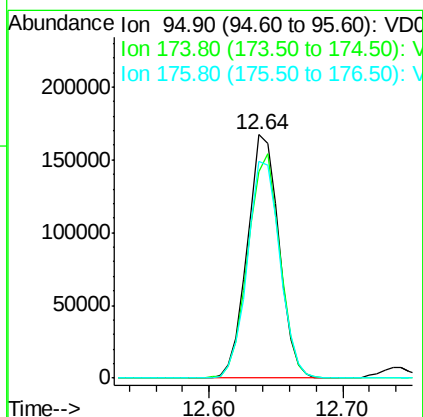
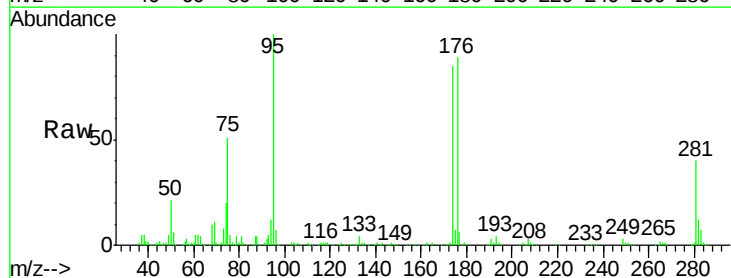
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

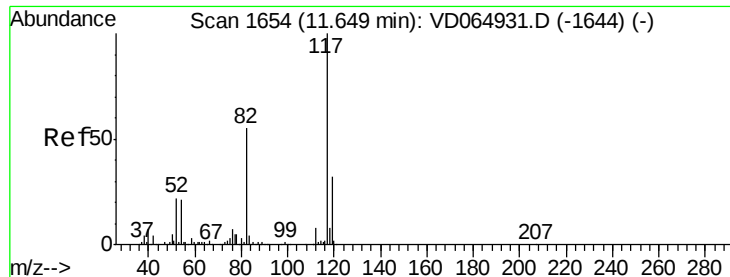
Tgt Ion: 107 Resp: 64498
Ion Ratio Lower Upper
107 100
109 97.7 77.1 115.7



#62
4-Bromofluorobenzene
Concen: 52.14 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 95 Resp: 273608
Ion Ratio Lower Upper
95 100
174 92.6 0.0 186.8
176 91.3 0.0 183.4

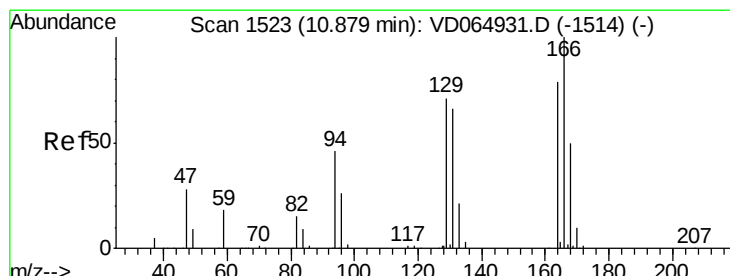
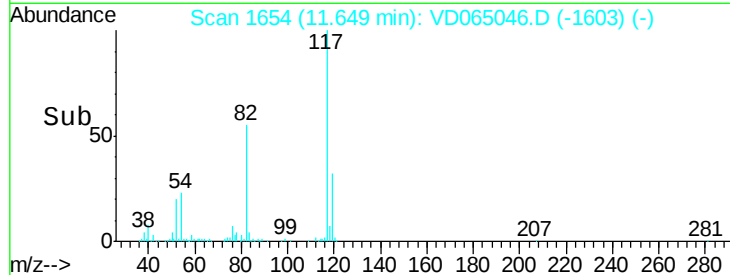
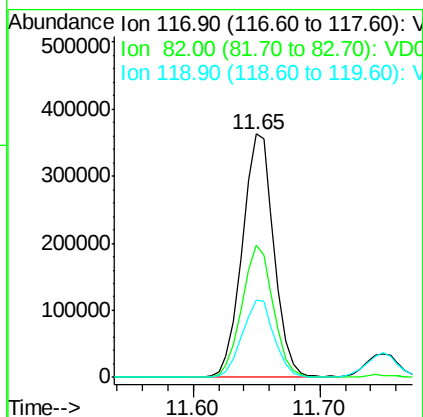
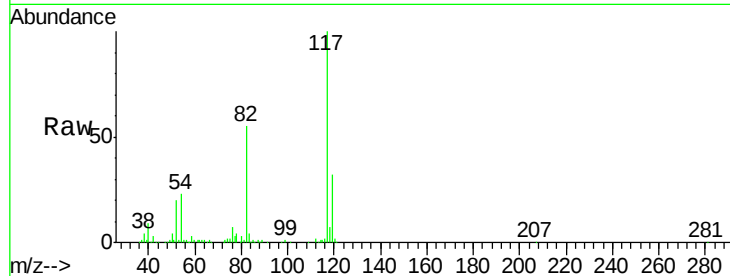




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

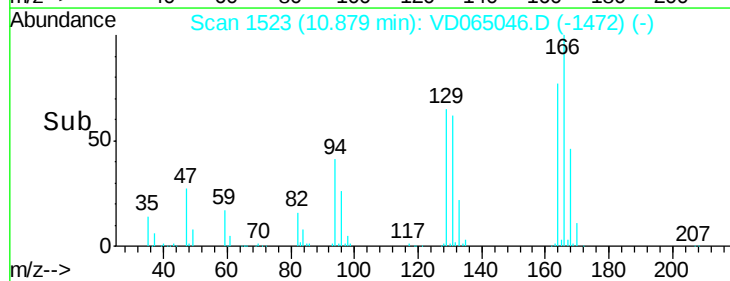
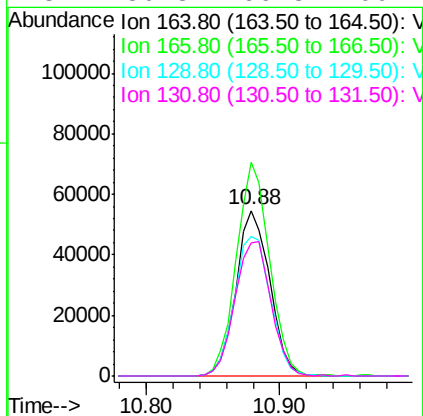
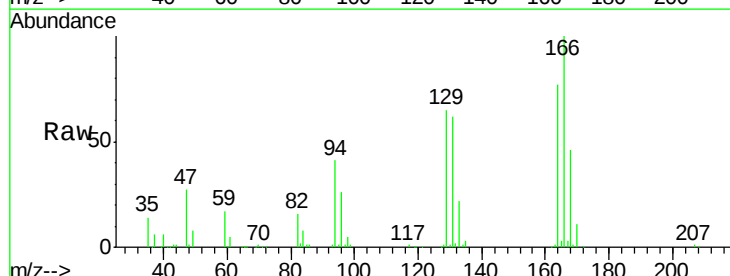
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

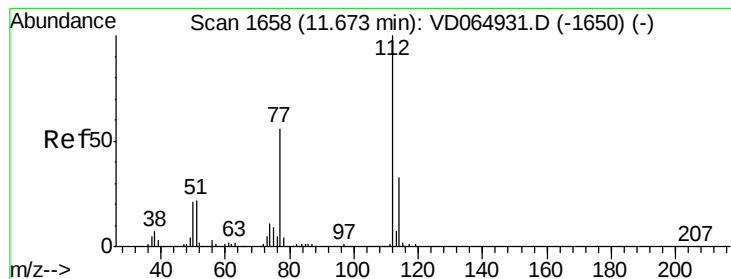
Tgt Ion:117 Resp: 628125
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 21.07 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion:164 Resp: 95639
Ion Ratio Lower Upper
164 100
166 129.3 101.4 152.2
129 84.1 71.8 107.8
131 80.3 66.8 100.2





#65

Chlorobenzene

Concen: 20.64 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

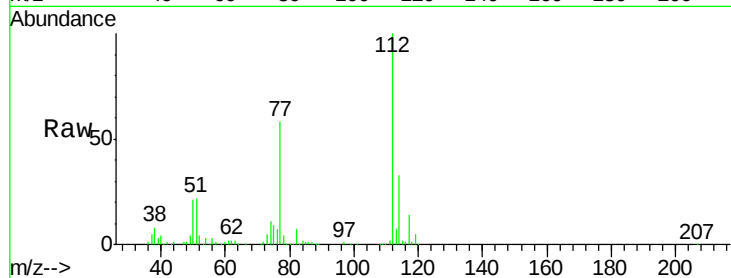
VD0203SBS01

Tgt Ion:112 Resp: 263171

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

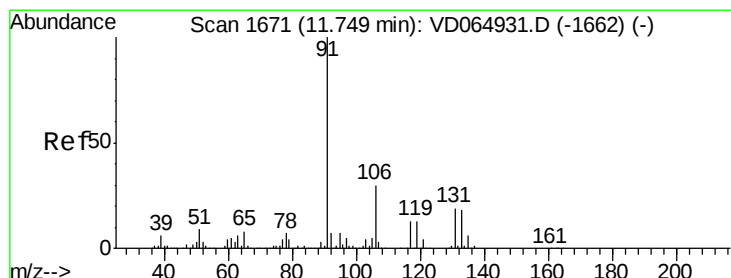
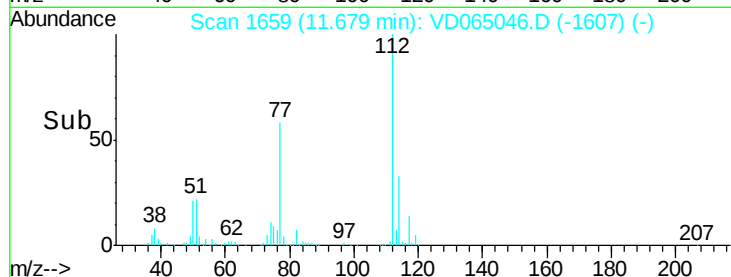
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.11 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

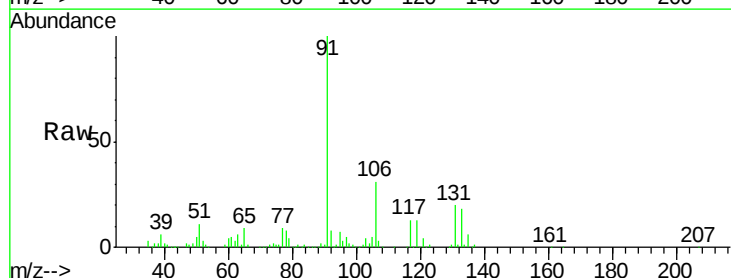
Tgt Ion:131 Resp: 101246

Ion Ratio Lower Upper

131 100

133 92.0 47.5 142.5

119 63.1 31.1 93.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

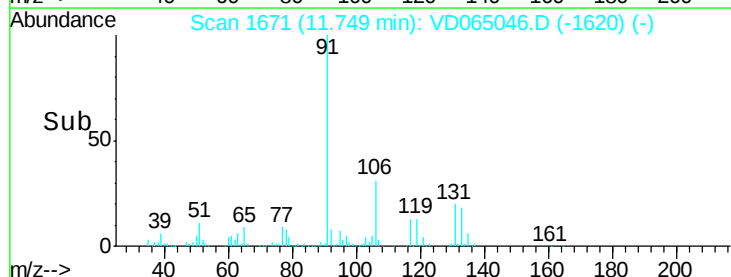
150000

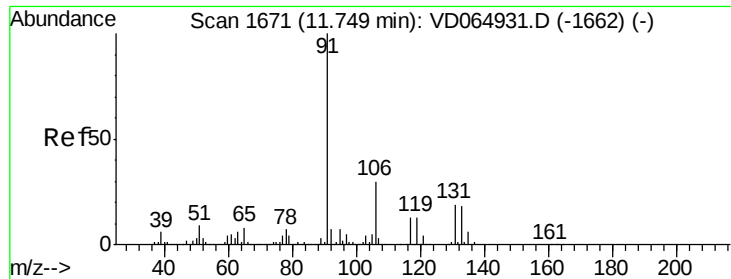
100000

50000

0

Time-->

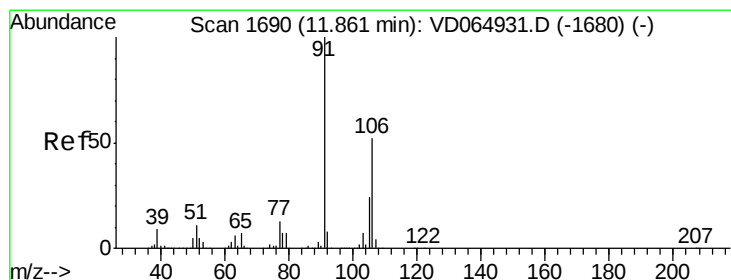
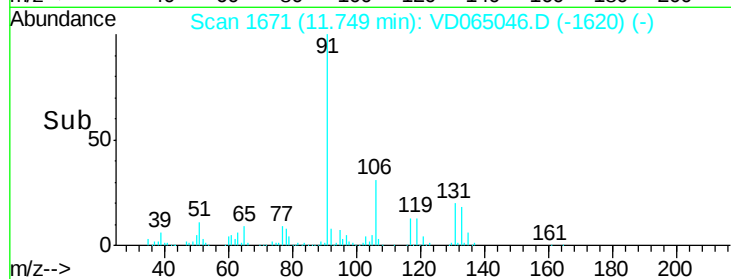
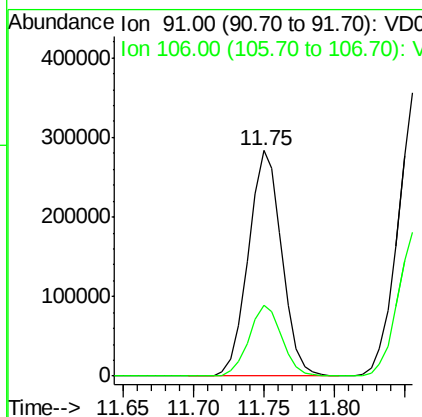
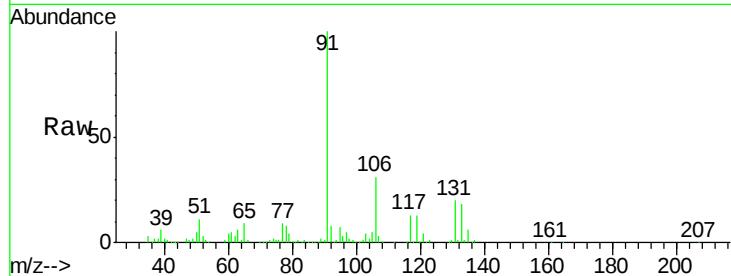




#67
Ethyl Benzene
Concen: 20.76 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

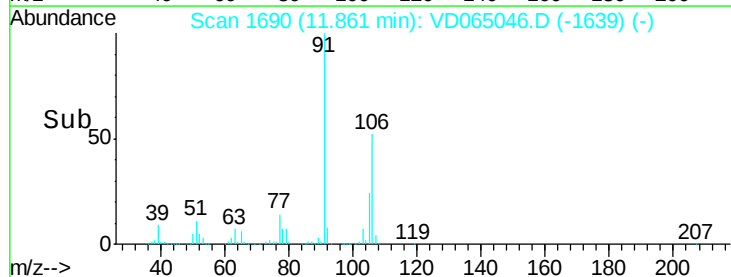
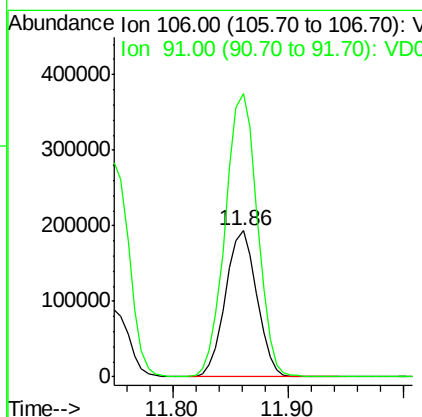
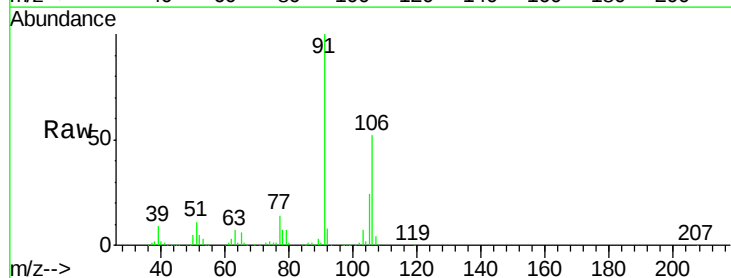
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

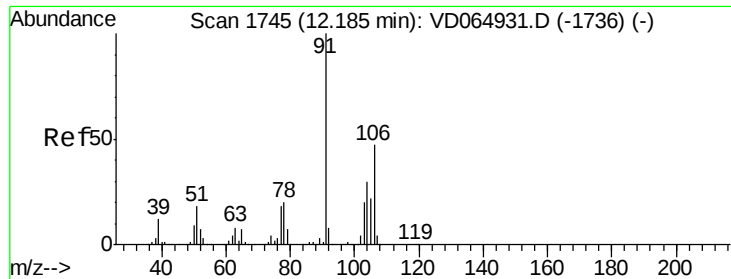
Tgt Ion: 91 Resp: 469946
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5



#68
m/p-Xylenes
Concen: 41.97 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion: 106 Resp: 365881
Ion Ratio Lower Upper
106 100
91 197.9 159.0 238.4

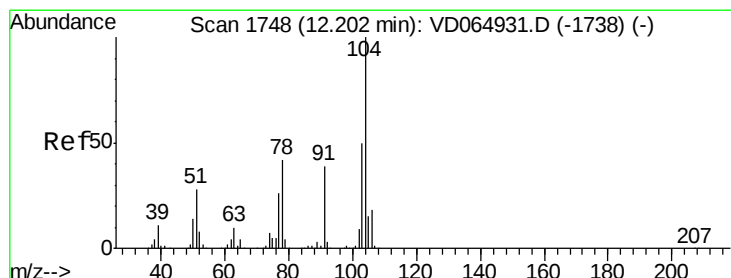
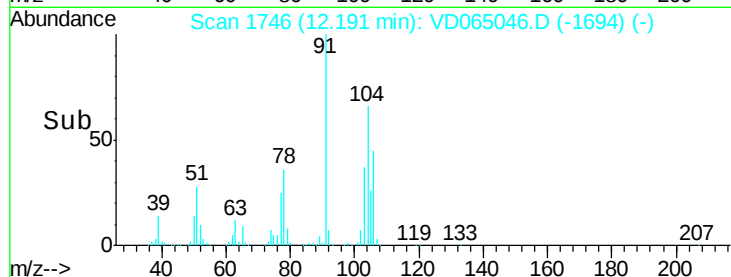
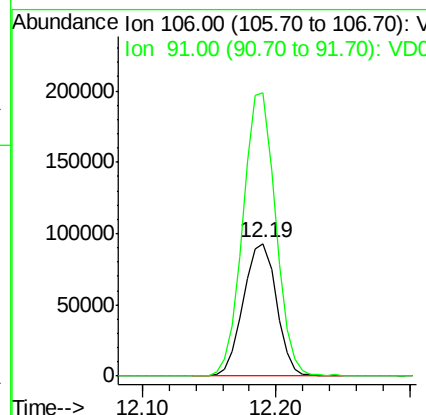
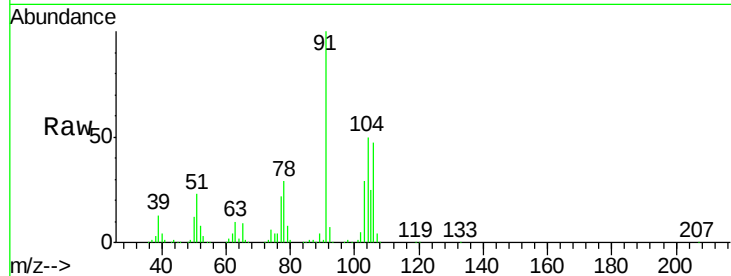




#69
o-Xylene
Concen: 20.70 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

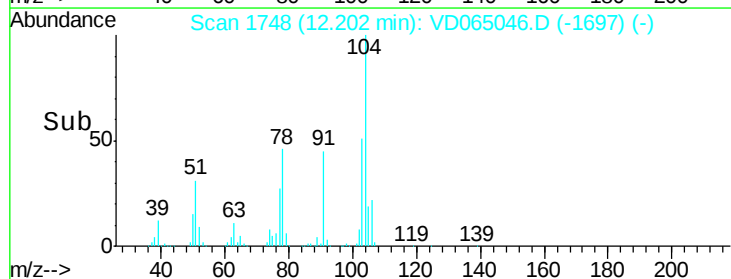
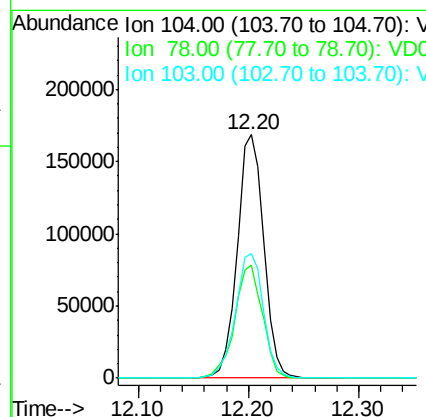
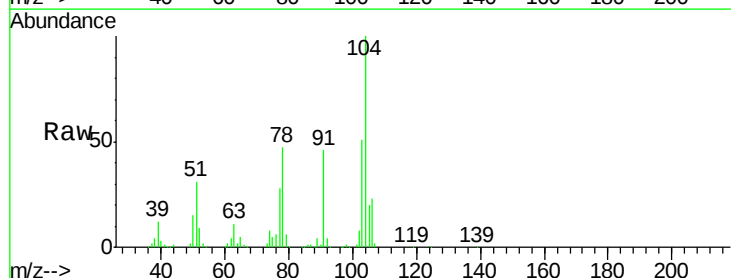
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

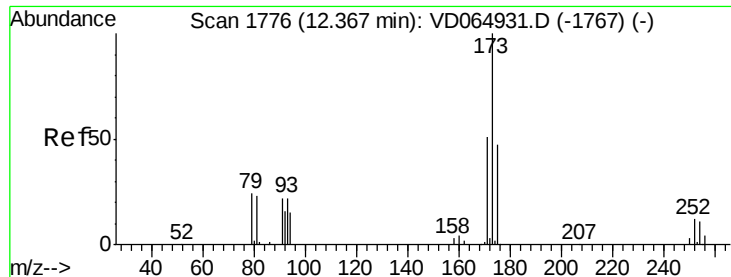
Tgt Ion:106 Resp: 160139
Ion Ratio Lower Upper
106 100
91 210.6 106.7 319.9



#70
Styrene
Concen: 20.69 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion:104 Resp: 285198
Ion Ratio Lower Upper
104 100
78 48.7 38.3 57.5
103 54.1 43.5 65.3

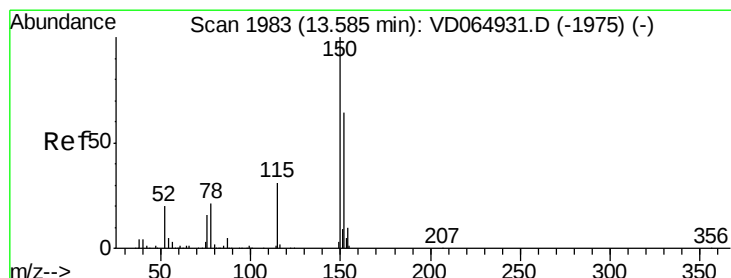
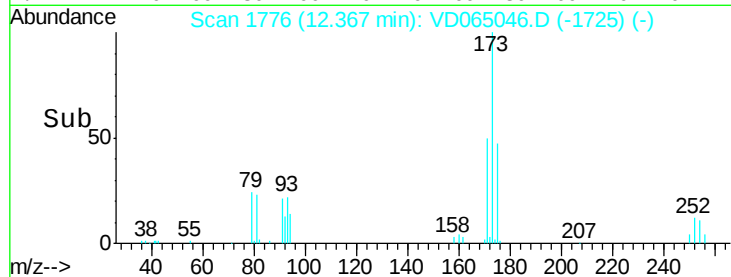
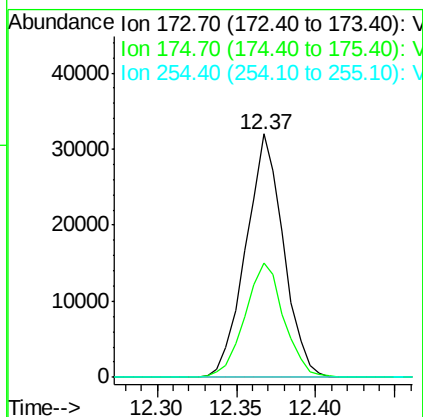
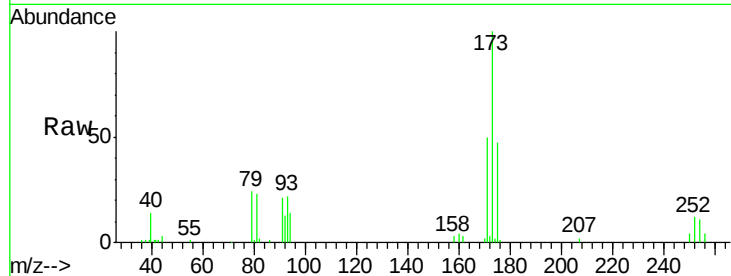




#71
Bromoform
Concen: 19.78 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

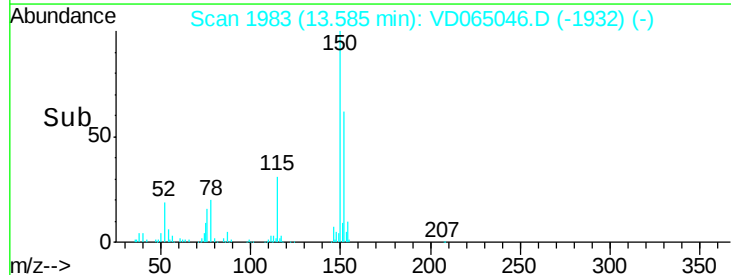
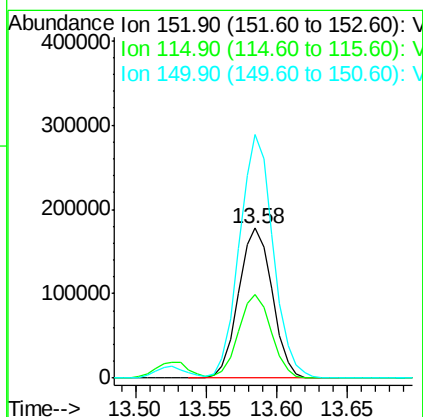
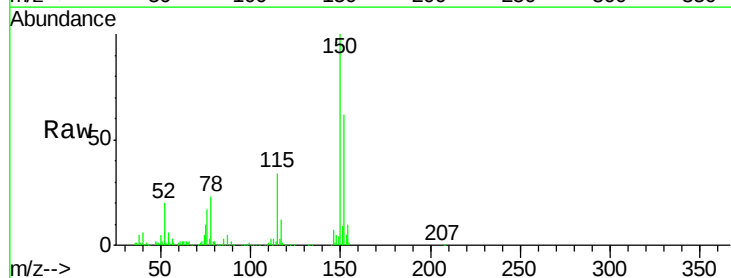
Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

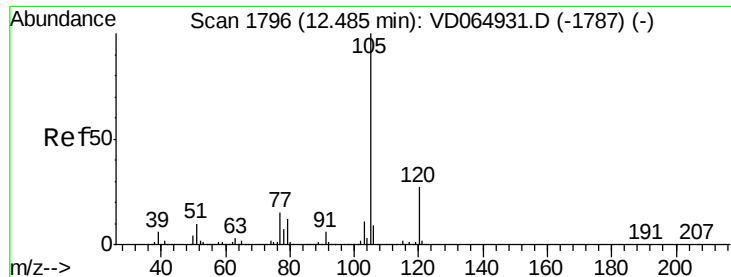
Tgt Ion:173 Resp: 52739
Ion Ratio Lower Upper
173 100
175 48.7 24.6 73.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion:152 Resp: 296363
Ion Ratio Lower Upper
152 100
115 54.5 28.1 84.4
150 162.4 0.0 350.4





#73

Isopropylbenzene

Concen: 21.60 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

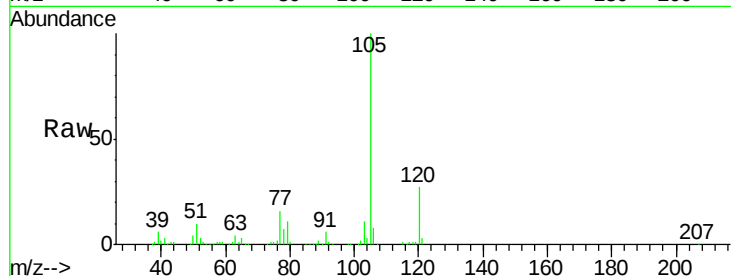
VD0203SBS01

Tgt Ion:105 Resp: 437583

Ion Ratio Lower Upper

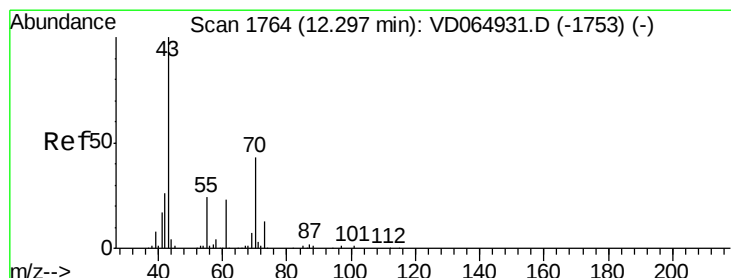
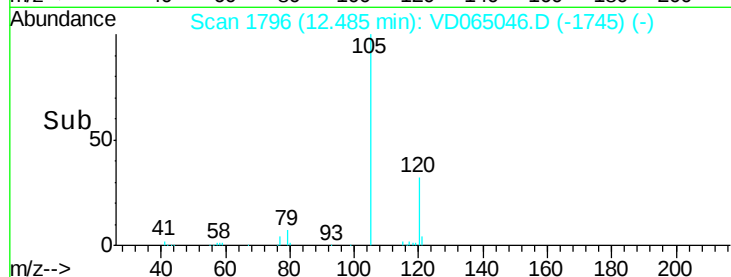
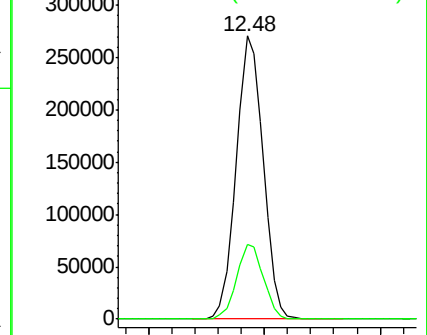
105 100

120 26.2 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: 19.38 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Tgt Ion: 43 Resp: 87822

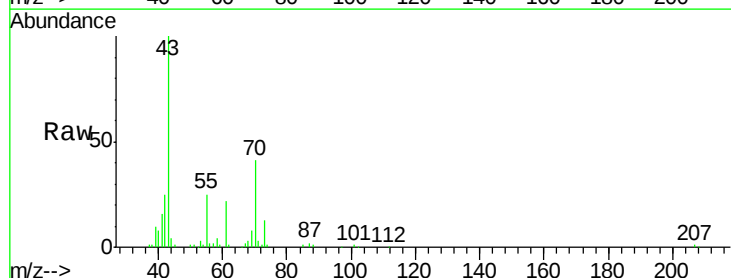
Ion Ratio Lower Upper

43 100

70 42.2 32.6 49.0

55 26.2 19.9 29.9

61 23.4 18.3 27.5

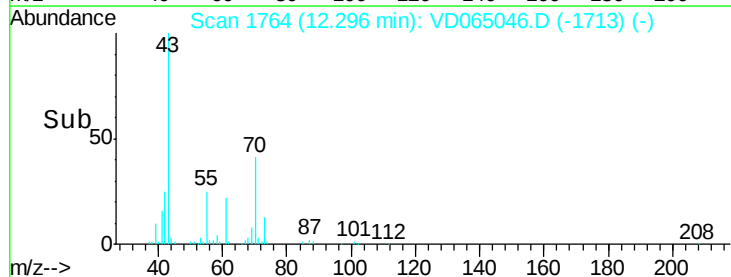
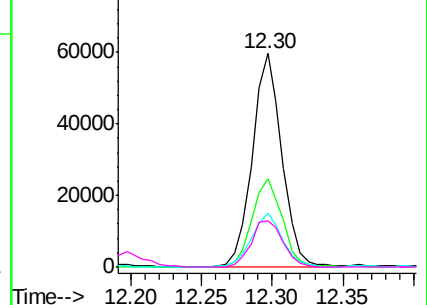


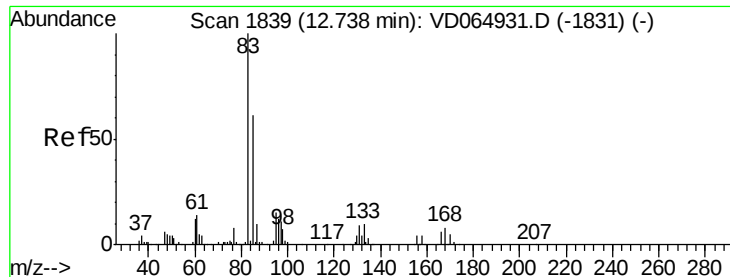
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.72 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

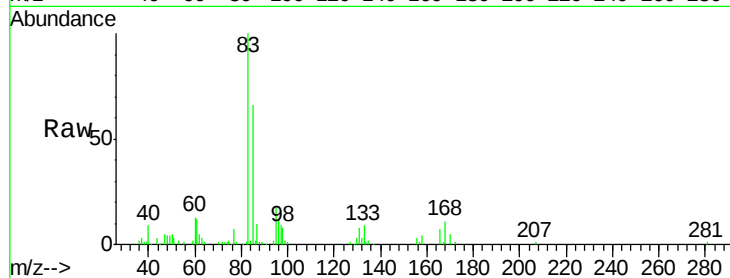
Tgt Ion: 83 Resp: 70538

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

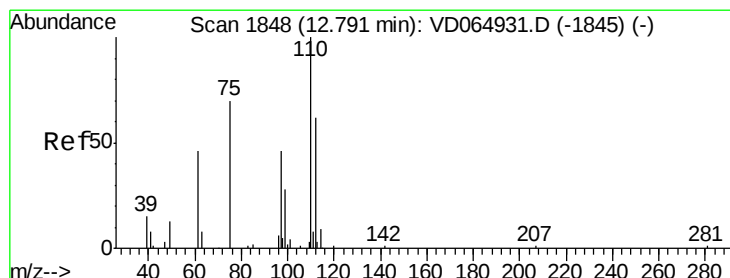
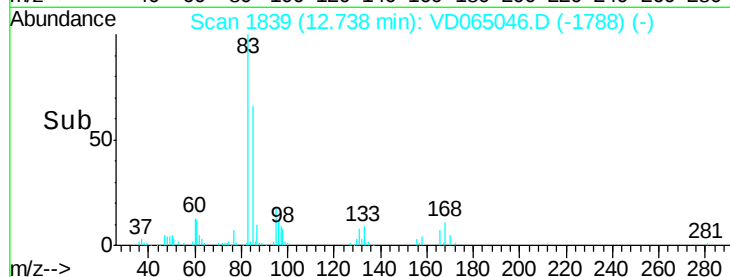
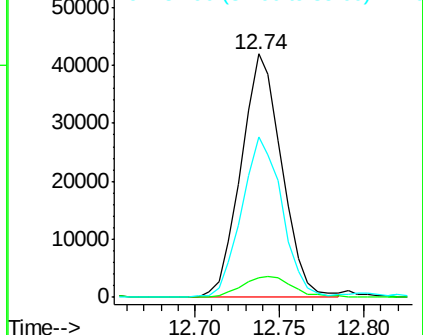
85 65.7 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 37.75 ug/l

RT: 12.80 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VD065046.D

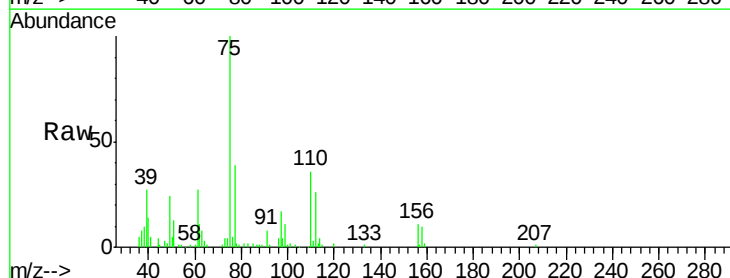
Acq: 03 Feb 2020 11:24

Tgt Ion: 75 Resp: 92848

Ion Ratio Lower Upper

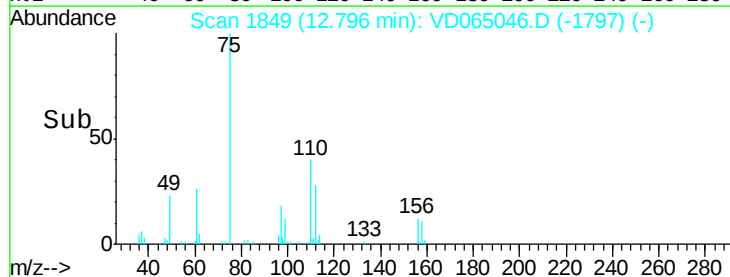
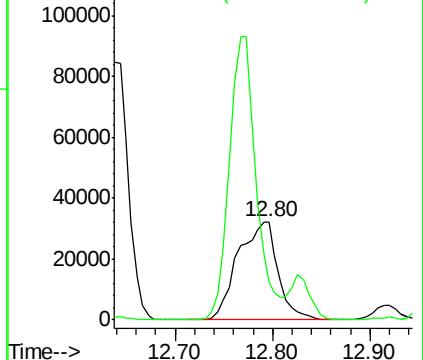
75 100

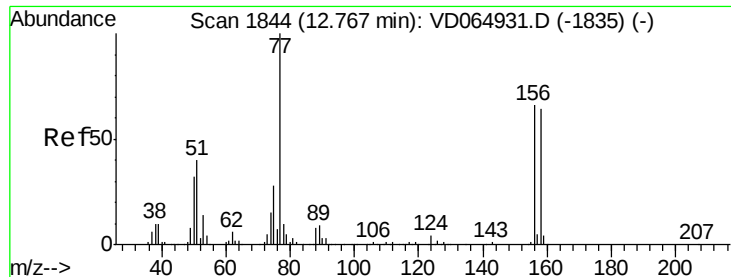
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.25 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

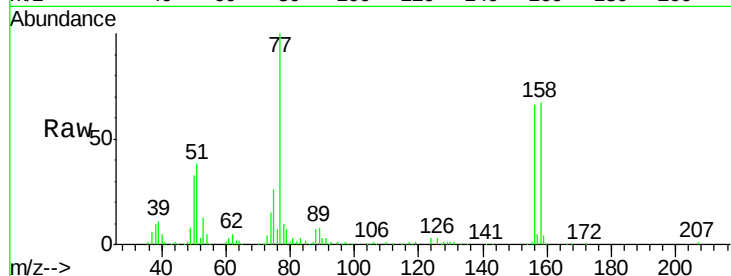
Tgt Ion: 156 Resp: 105324

Ion Ratio Lower Upper

156 100

77 168.8 84.2 252.5

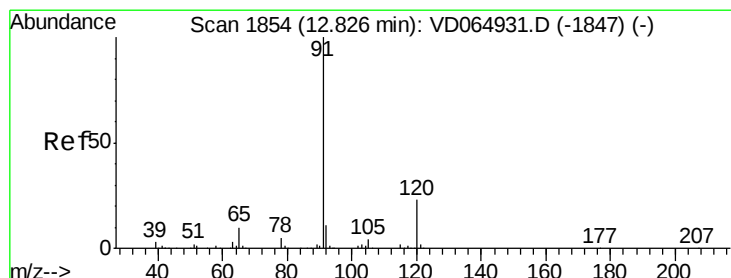
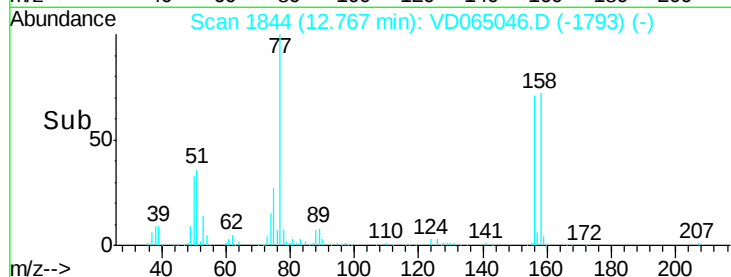
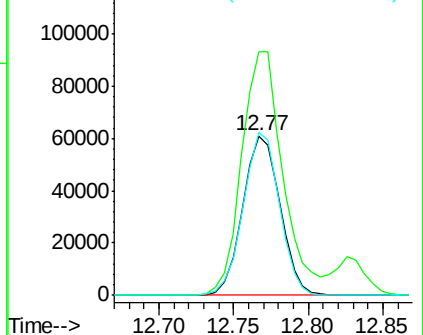
158 99.2 48.1 144.4



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: 21.85 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065046.D

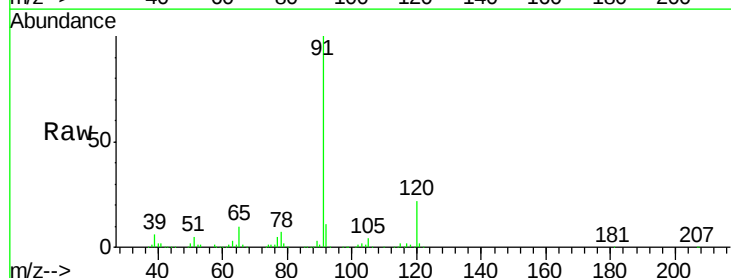
Acq: 03 Feb 2020 11:24

Tgt Ion: 91 Resp: 526340

Ion Ratio Lower Upper

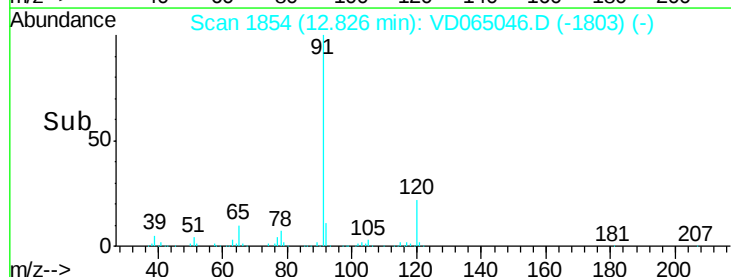
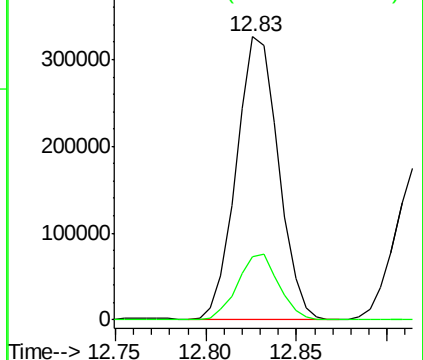
91 100

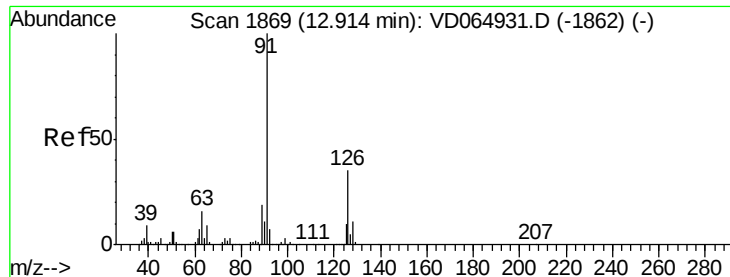
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.13 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

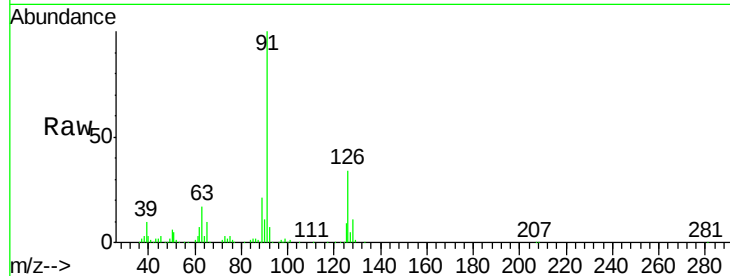
VD0203SBS01

Tgt Ion: 91 Resp: 292448

Ion Ratio Lower Upper

91 100

126 34.9 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064931.D (-1862) (-)

300000

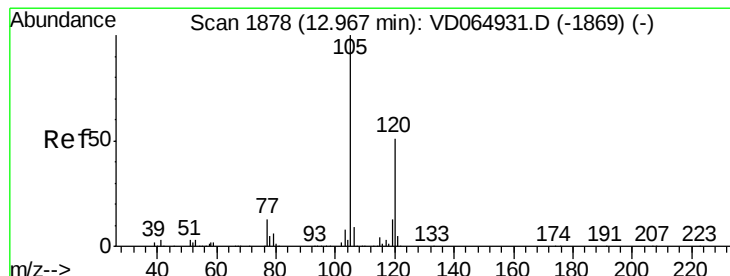
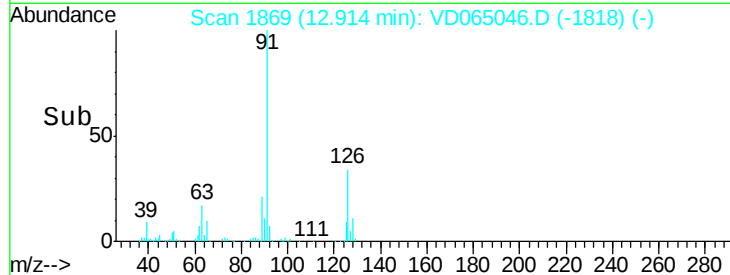
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.93 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065046.D

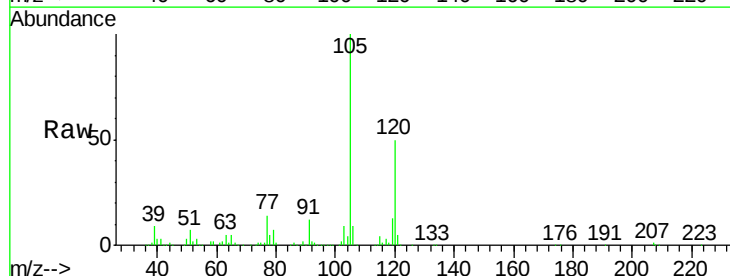
Acq: 03 Feb 2020 11:24

Tgt Ion: 105 Resp: 364038

Ion Ratio Lower Upper

105 100

120 49.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)

250000

200000

150000

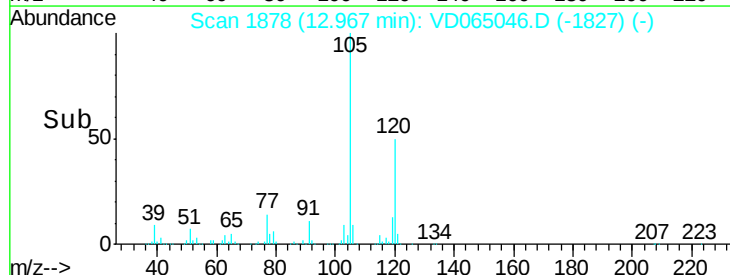
100000

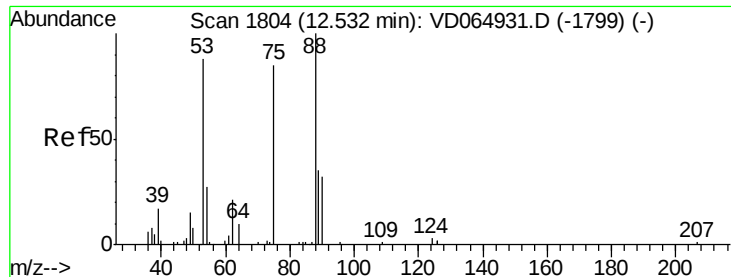
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.81 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

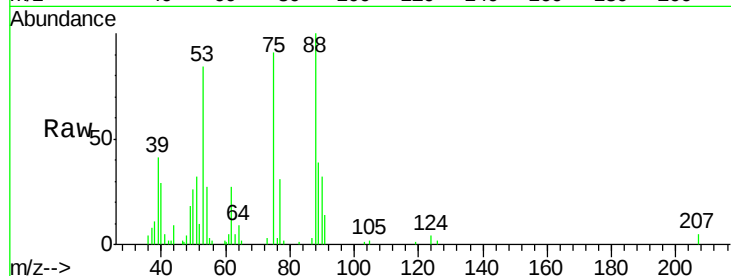
Tgt Ion: 75 Resp: 22821

Ion Ratio Lower Upper

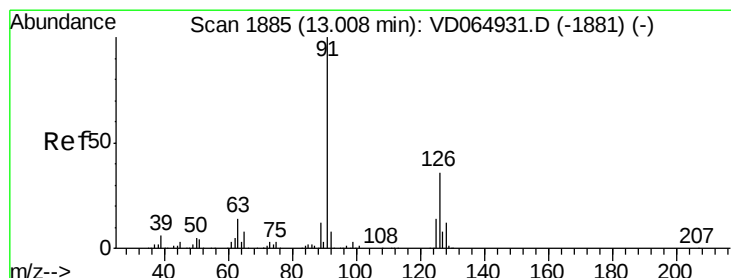
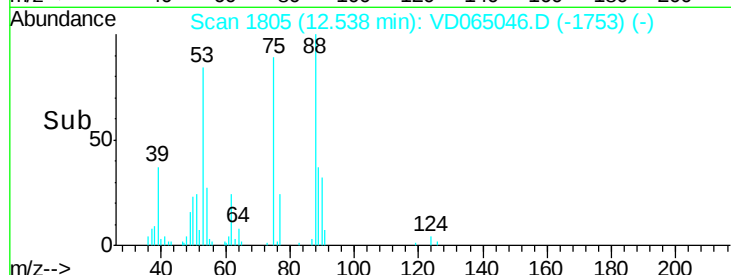
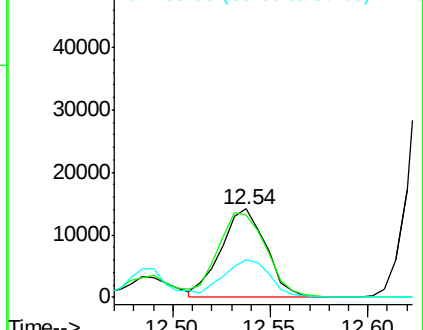
75 100

53 102.0 81.0 121.4

89 43.0 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 22.05 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065046.D

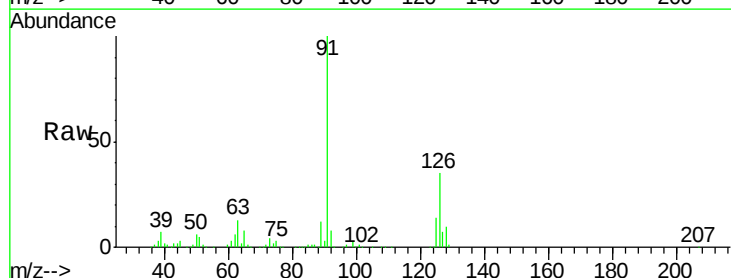
Acq: 03 Feb 2020 11:24

Tgt Ion: 91 Resp: 309079

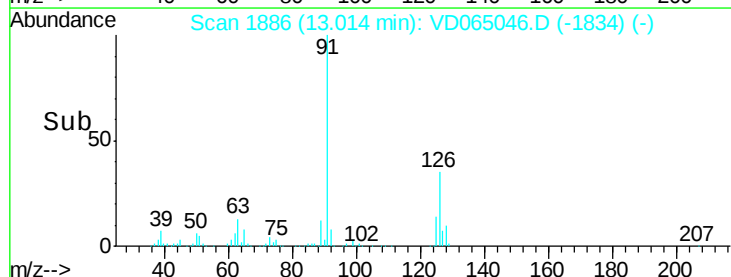
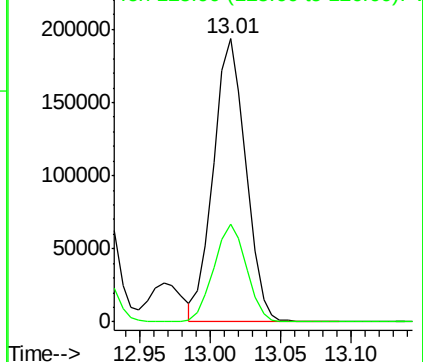
Ion Ratio Lower Upper

91 100

126 34.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

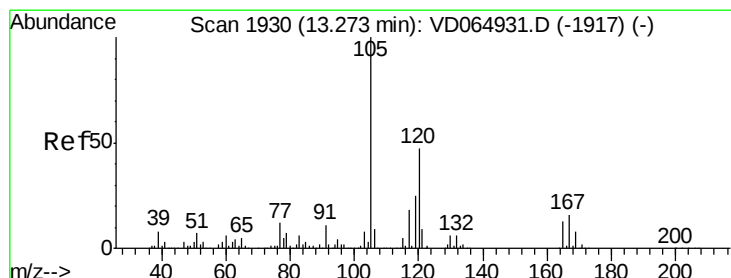
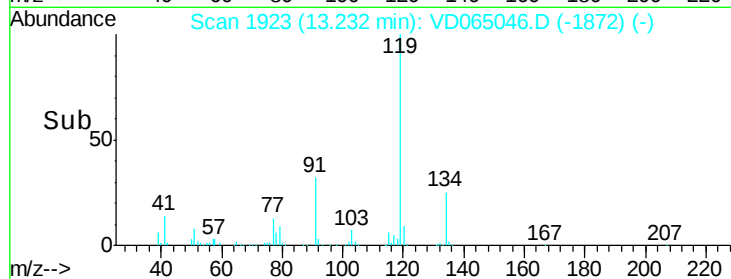
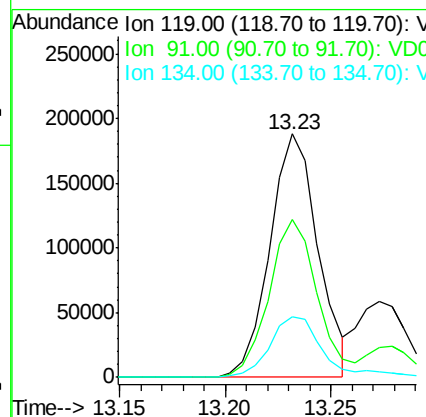
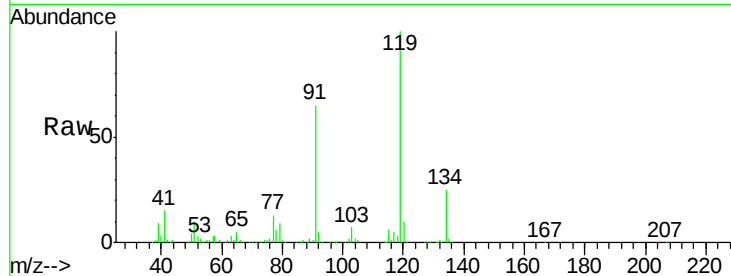




#83
 tert-Butylbenzene
 Concen: 21.24 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

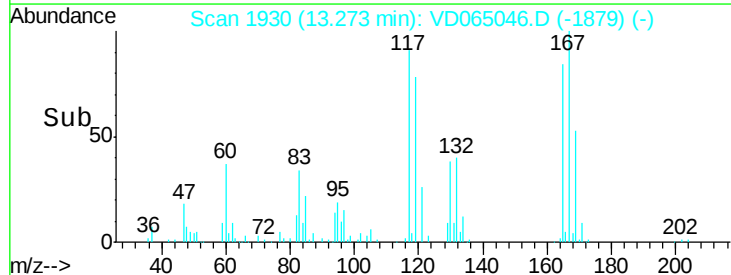
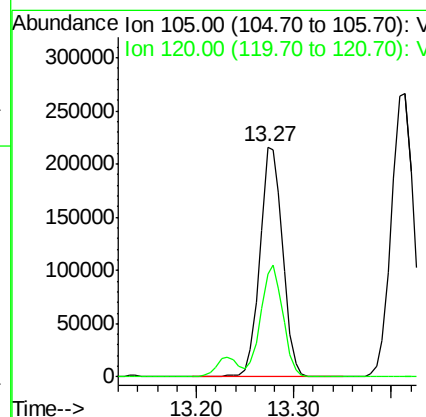
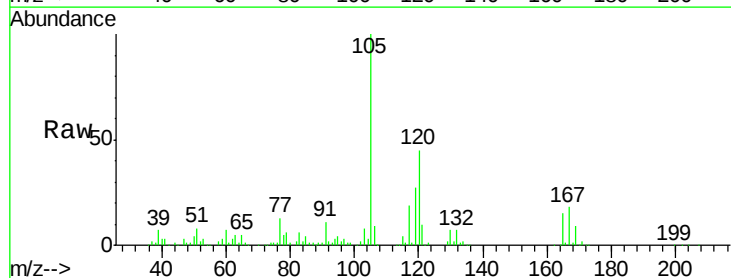
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

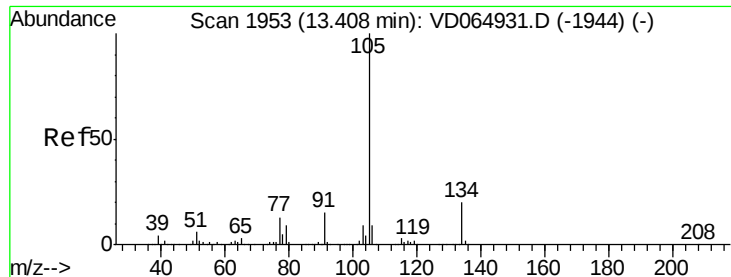
Tgt Ion:119 Resp: 299199
 Ion Ratio Lower Upper
 119 100
 91 65.2 32.0 96.0
 134 27.6 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.14 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion:105 Resp: 355554
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.1 69.3

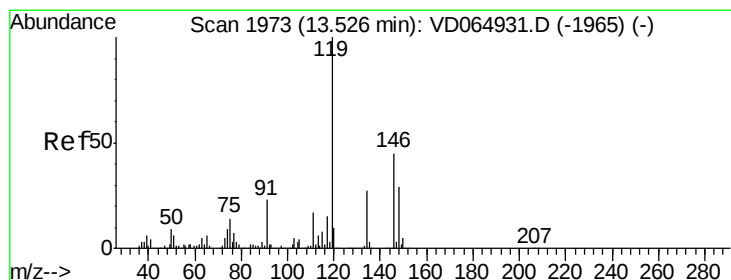
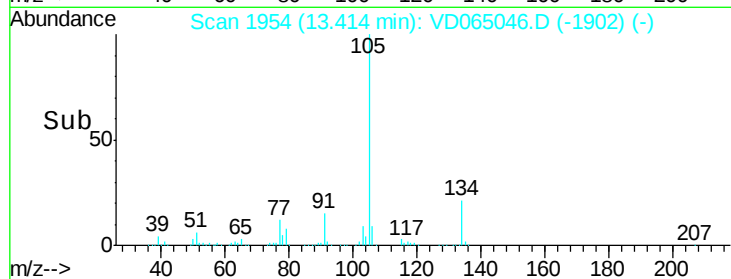
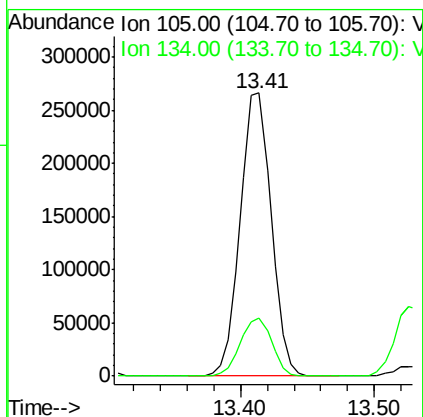
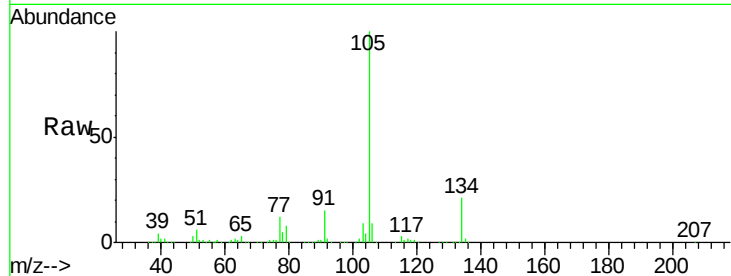




#85
 sec-Butylbenzene
 Concen: 21.46 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

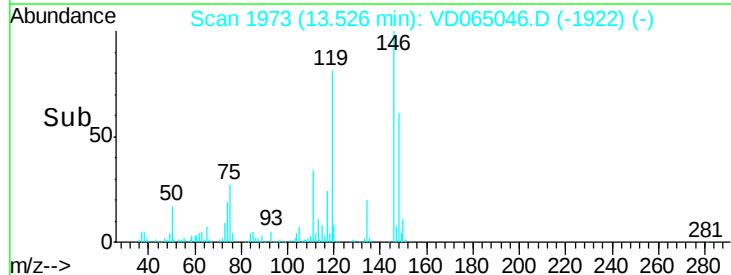
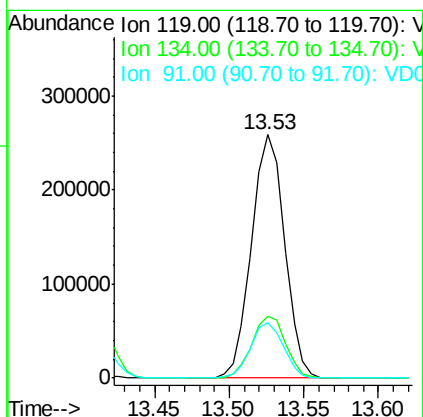
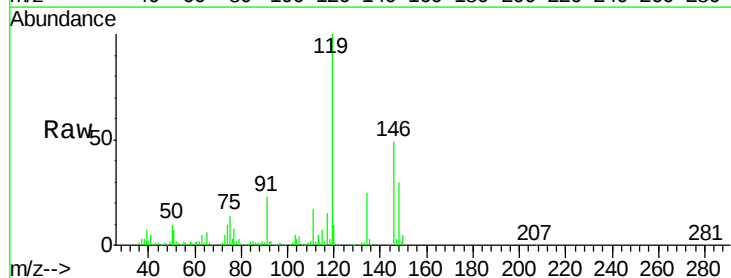
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

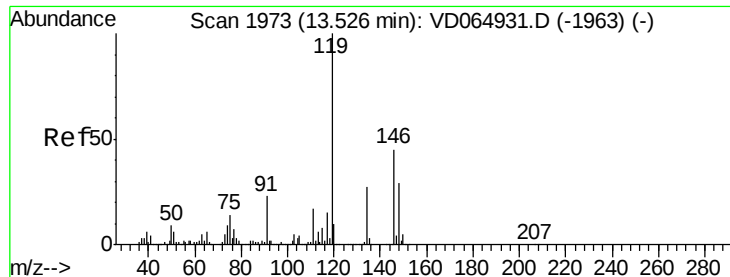
Tgt Ion:105 Resp: 428076
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 21.16 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion:119 Resp: 394929
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.9
 91 22.8 11.4 34.2

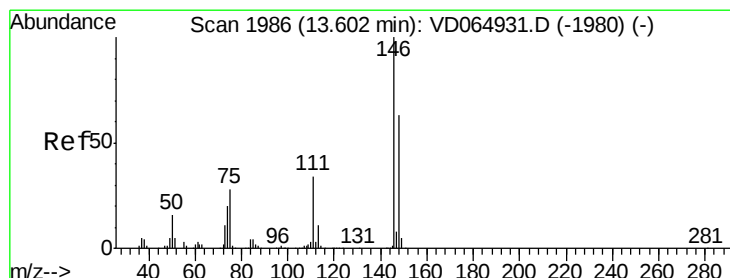
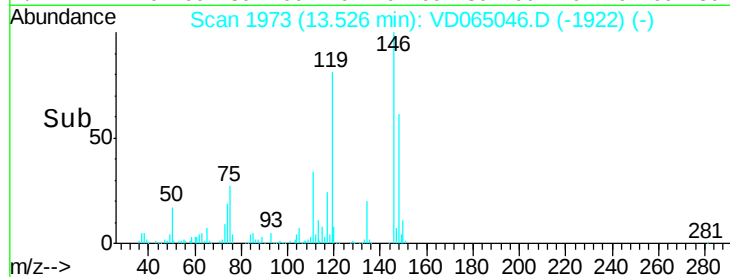
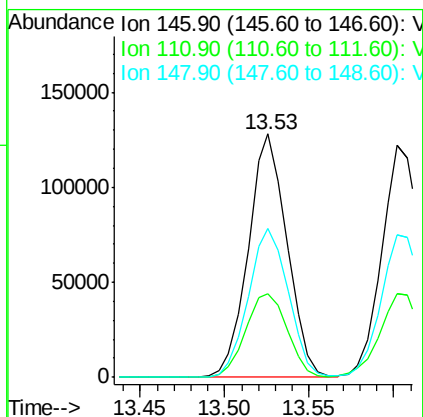
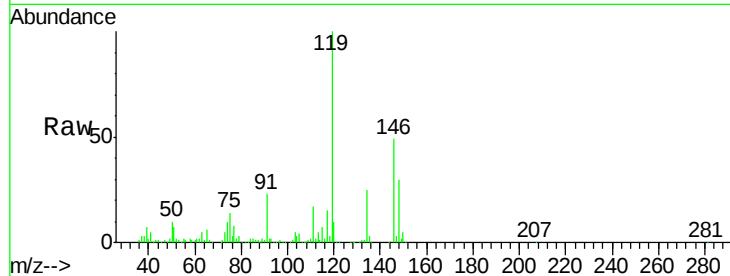




#87
 1,3-Dichlorobenzene
 Concen: 21.51 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

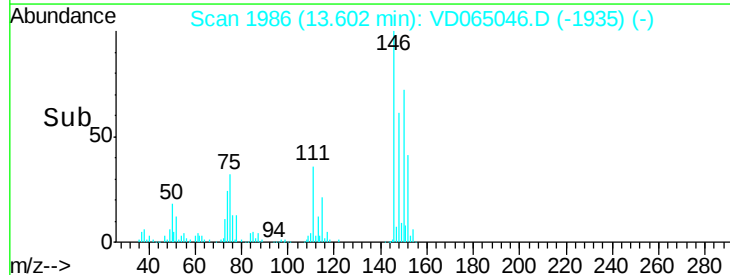
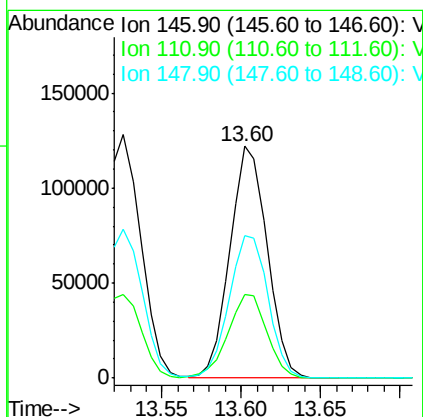
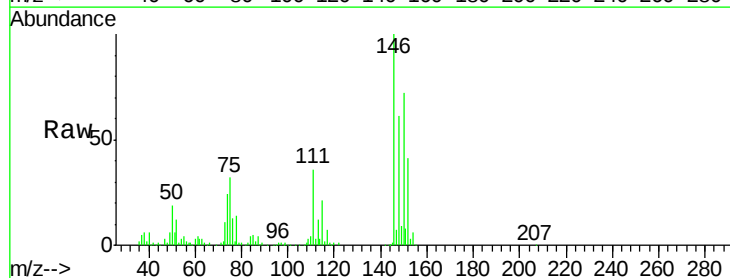
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

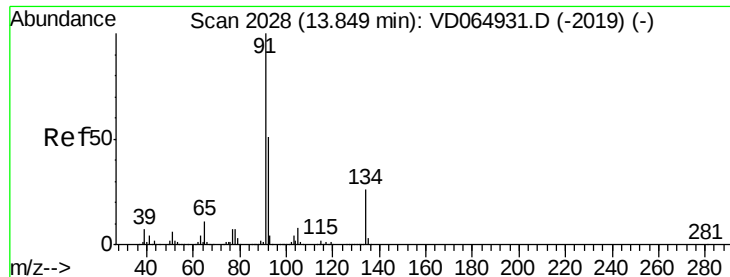
Tgt Ion:146 Resp: 204588
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.9 56.9
 148 63.2 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 21.10 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion:146 Resp: 199159
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.2 54.6
 148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 21.27 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD065046.D

Acq: 03 Feb 2020 11:24

Instrument :

MSVOA_D

ClientSampleId :

VD0203SBS01

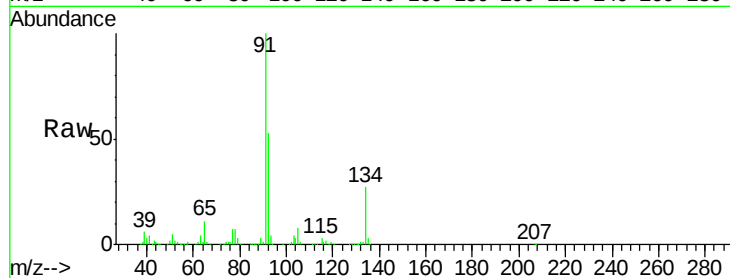
Tgt Ion: 91 Resp: 362349

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.0

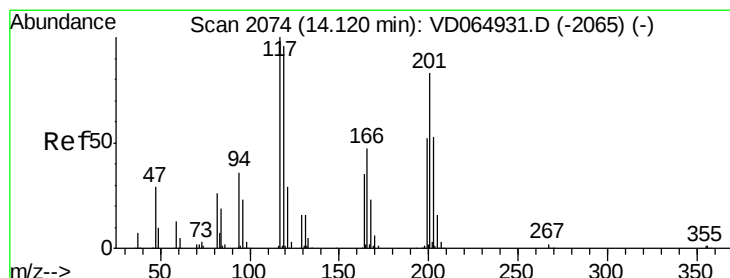
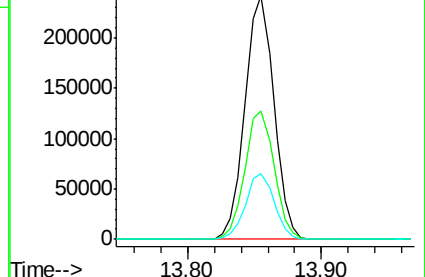
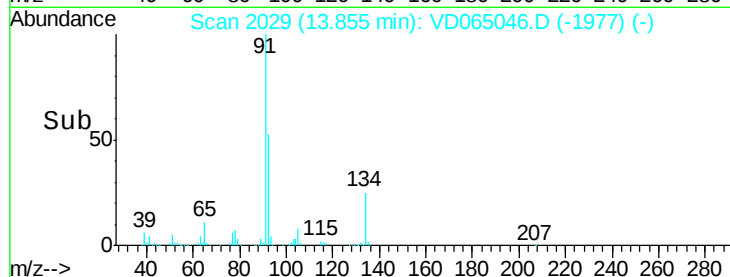
134 26.8 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 21.75 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065046.D

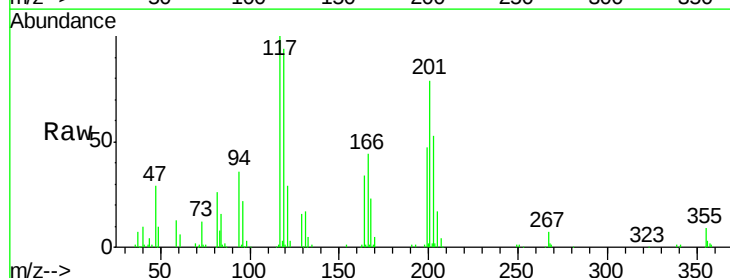
Acq: 03 Feb 2020 11:24

Tgt Ion: 117 Resp: 78303

Ion Ratio Lower Upper

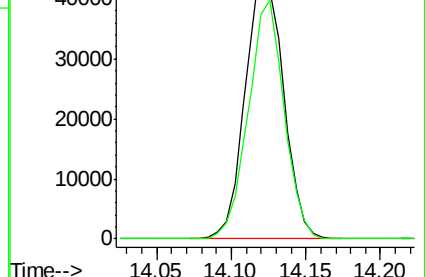
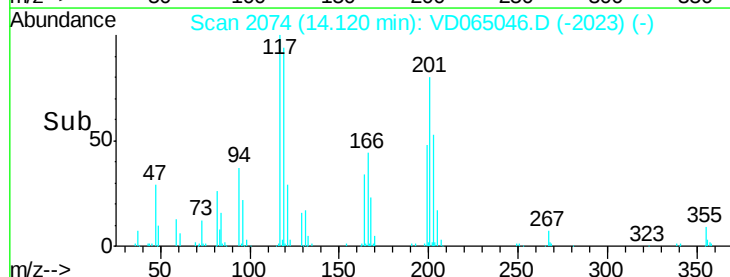
117 100

201 83.9 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

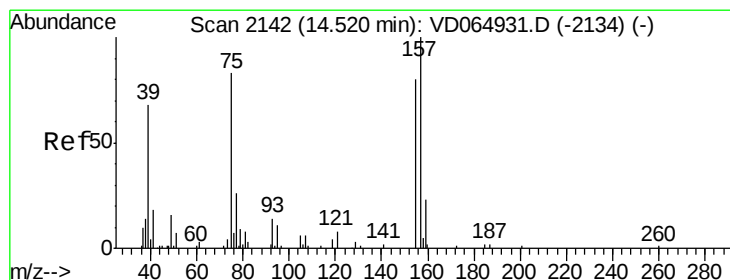
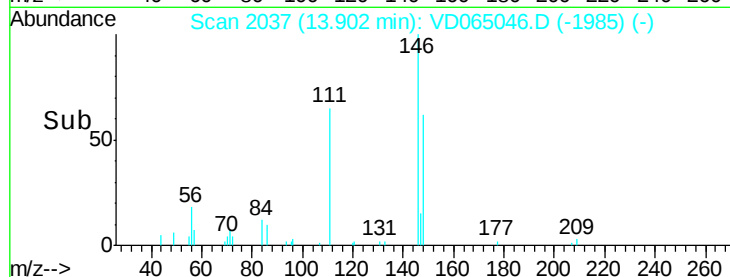
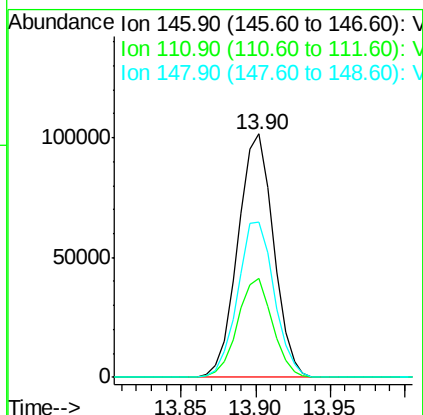
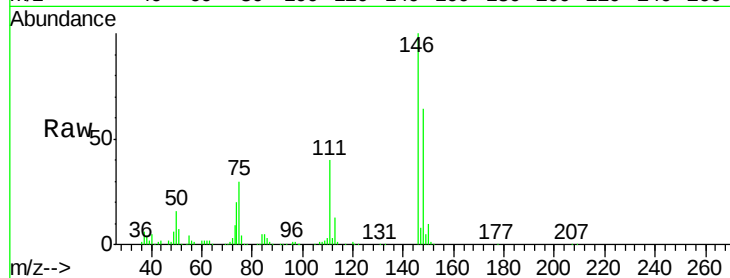




#91
 1,2-Dichlorobenzene
 Concen: 20.92 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

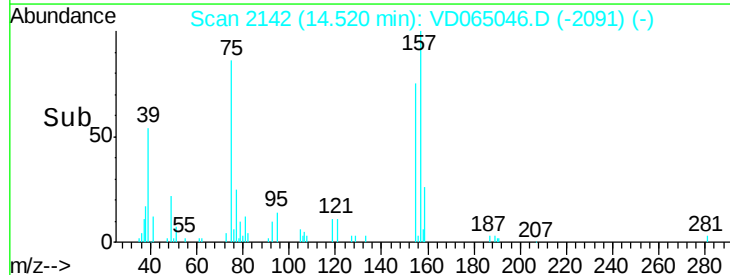
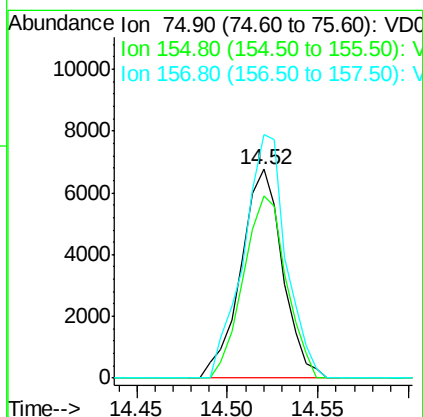
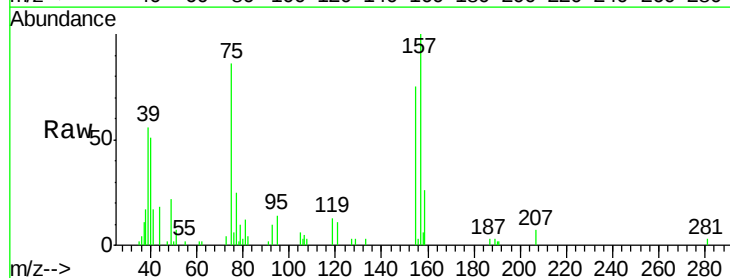
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

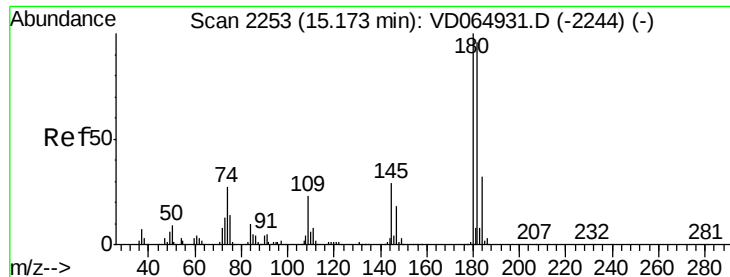
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.2
148	65.4	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.91 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.9	134.7
157	118.5	58.9	176.6

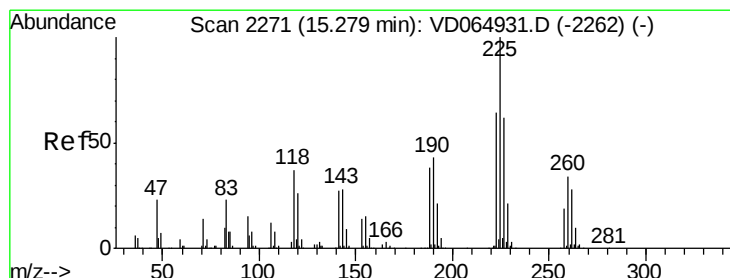
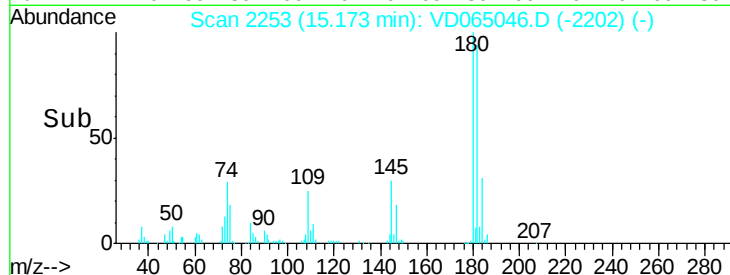
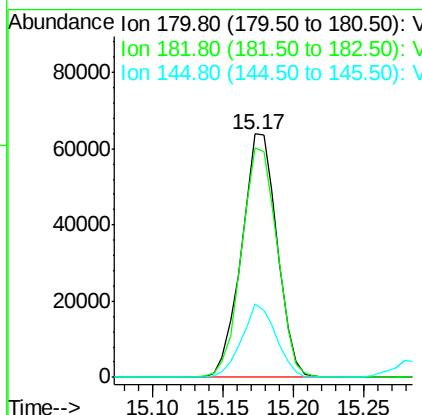
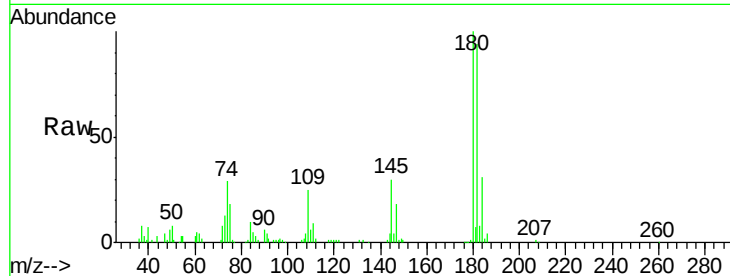




#93
 1,2,4-Trichlorobenzene
 Concen: 20.19 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

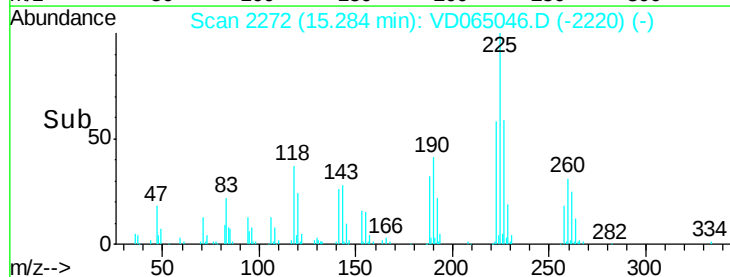
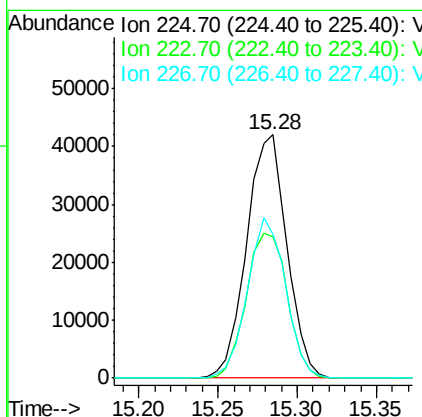
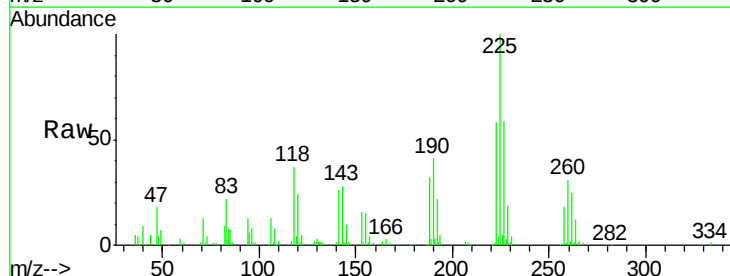
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

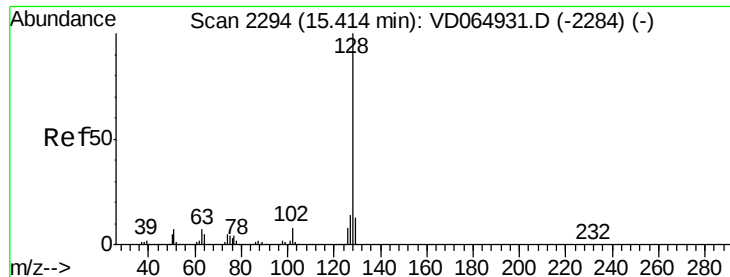
Tgt Ion:180 Resp: 112774
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.1 141.4
 145 29.1 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 21.00 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065046.D
 Acq: 03 Feb 2020 11:24

Tgt Ion:225 Resp: 74173
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.4 97.2
 227 62.4 31.9 95.9

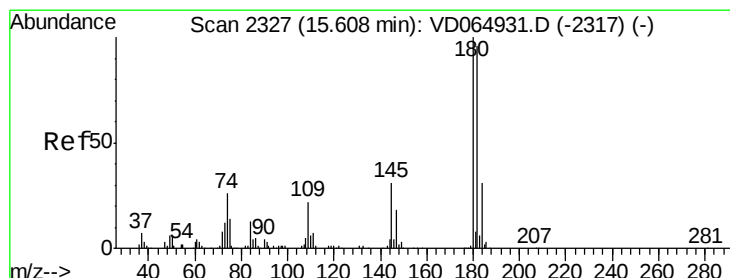
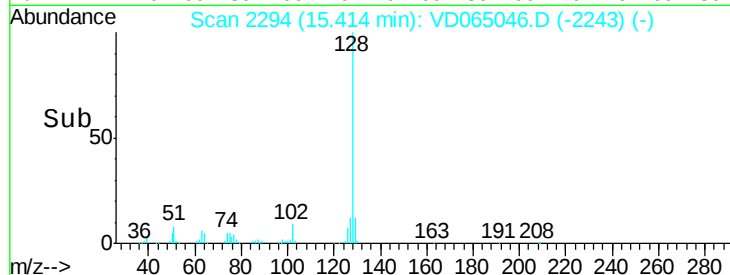
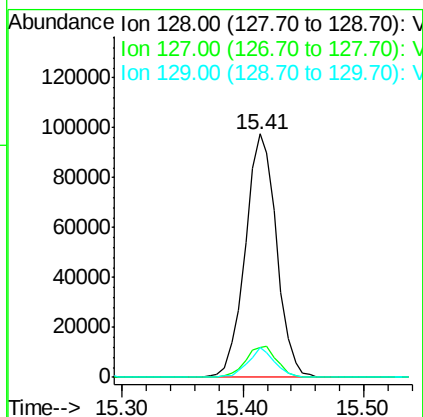
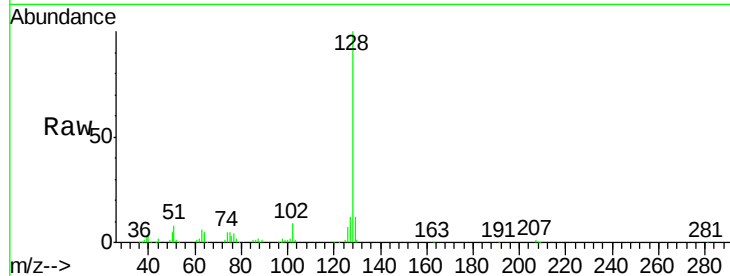




#95
Naphthalene
Concen: 19.49 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Instrument :
MSVOA_D
ClientSampleId :
VD0203SBS01

Tgt Ion:128 Resp: 175661
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.6 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 19.91 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065046.D
Acq: 03 Feb 2020 11:24

Tgt Ion:180 Resp: 96400
Ion Ratio Lower Upper
180 100
182 96.9 47.3 141.8
145 30.6 14.6 43.8

