

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065486.D
 Acq On : 12 Mar 2020 12:19
 Operator : VA/SY
 Sample : VD0312SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Quant Time: Mar 13 04:25:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	689701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	636188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200824	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.93	113	211575	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.34	98	809090	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.64	95	261420	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84733	20.94	ug/l	99
3) Chloromethane	2.21	50	99813	20.43	ug/l	100
4) Vinyl Chloride	2.36	62	100542	20.87	ug/l	99
5) Bromomethane	2.77	94	66019	21.75	ug/l	95
6) Chloroethane	2.93	64	61999	21.01	ug/l	95
7) Trichlorofluoromethane	3.27	101	145789	20.54	ug/l	99
8) Diethyl Ether	3.70	74	44075	20.88	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96650	21.14	ug/l	98
10) Methyl Iodide	4.30	142	96527	20.32	ug/l	99
11) Tert butyl alcohol	5.25	59	29831	128.79	ug/l	98
12) 1,1-Dichloroethene	4.06	96	85940	19.63	ug/l	97
13) Acrolein	3.92	56	33220	83.16	ug/l	99
14) Allyl chloride	4.71	41	131512	19.55	ug/l	99
15) Acrylonitrile	5.43	53	96881	105.49	ug/l	99
16) Acetone	4.17	43	82043	100.46	ug/l	97
17) Carbon Disulfide	4.41	76	285720	19.60	ug/l	100
18) Methyl Acetate	4.72	43	44234	21.35	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	172490	20.49	ug/l	95
20) Methylene Chloride	4.96	84	102850	21.20	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	100296	20.59	ug/l	97
22) Diisopropyl ether	6.37	45	267837	21.42	ug/l	96
23) Vinyl Acetate	6.31	43	713928	102.85	ug/l	99
24) 1,1-Dichloroethane	6.27	63	165141	20.59	ug/l	98
25) 2-Butanone	7.23	43	113121	101.50	ug/l	92
26) 2,2-Dichloropropane	7.21	77	144242	20.58	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	101571	20.40	ug/l	99
28) Bromochloromethane	7.56	49	68666	21.40	ug/l	98
29) Tetrahydrofuran	7.57	42	72463	101.82	ug/l	99
30) Chloroform	7.71	83	170755	21.30	ug/l	99
31) Cyclohexane	7.99	56	155357	19.38	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	151421	20.44	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132840	20.09	ug/l	98
37) Ethyl Acetate	7.30	43	53541	20.95	ug/l	96
38) Carbon Tetrachloride	8.10	117	141656	20.66	ug/l	95

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 Data File : VD065486.D
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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
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 VD0312SBSD01

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	155340	19.45	ug/l	93
40) Benzene	8.36	78	385726	20.87	ug/l	100
41) Methacrylonitrile	7.53	41	28329	20.96	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	101737	21.08	ug/l	99
43) Isopropyl Acetate	8.46	43	96123	20.37	ug/l	98
44) Trichloroethene	9.11	130	107223	20.54	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95284	21.28	ug/l	98
46) Dibromomethane	9.48	93	49851	21.46	ug/l	97
47) Bromodichloromethane	9.67	83	129323	21.40	ug/l	93
48) Methyl methacrylate	9.46	41	44068	19.86	ug/l	96
49) 1,4-Dioxane	9.47	88	11412	429.56	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	254476	107.18	ug/l	99
52) Toluene	10.41	92	245420	21.08	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118858	21.05	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	144595	21.16	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	70641	21.47	ug/l	98
56) Ethyl methacrylate	10.67	69	77821	20.98	ug/l	96
57) 1,3-Dichloropropane	10.95	76	120087	21.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	128966	112.48	ug/l	100
59) 2-Hexanone	10.99	43	167448	101.88	ug/l	100
60) Dibromochloromethane	11.14	129	93671	22.21	ug/l	96
61) 1,2-Dibromoethane	11.25	107	68411	21.80	ug/l	95
64) Tetrachloroethene	10.88	164	93322	20.47	ug/l	98
65) Chlorobenzene	11.67	112	259218	20.59	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96543	21.06	ug/l	98
67) Ethyl Benzene	11.75	91	440046	20.23	ug/l	99
68) m/p-Xylenes	11.86	106	354286	42.24	ug/l	99
69) o-Xylene	12.18	106	149342	20.24	ug/l	100
70) Styrene	12.20	104	271202	20.89	ug/l	99
71) Bromoform	12.37	173	53794	20.89	ug/l #	100
73) Isopropylbenzene	12.48	105	413861	19.88	ug/l	99
74) N-amyl acetate	12.30	43	84078	19.73	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	76259	20.84	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	95718	38.32	ug/l #	100
77) Bromobenzene	12.77	156	107077	20.70	ug/l	98
78) n-propylbenzene	12.83	91	505151	20.45	ug/l	99
79) 2-Chlorotoluene	12.91	91	282525	20.29	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	347383	20.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24269	20.51	ug/l	97
82) 4-Chlorotoluene	13.01	91	305008	20.85	ug/l	99
83) tert-Butylbenzene	13.23	119	283287	19.56	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	347278	20.58	ug/l	99
85) sec-Butylbenzene	13.41	105	412885	19.98	ug/l	100
86) p-Isopropyltoluene	13.53	119	380816	20.19	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202164	20.33	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	203762	20.60	ug/l	99
89) n-Butylbenzene	13.85	91	342974	19.67	ug/l	99
90) Hexachloroethane	14.12	117	77833	20.04	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	175817	20.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11421	20.49	ug/l	98

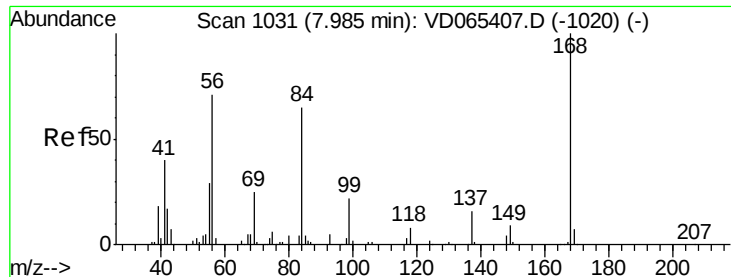
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
Data File : VD065486.D
Acq On : 12 Mar 2020 12:19
Operator : VA/SY
Sample : VD0312SBSD01
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Instrument :
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ClientSampleId :
VD0312SBSD01

Quant Time: Mar 13 04:25:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114913	20.03	ug/l	97
94) Hexachlorobutadiene	15.28	225	75877	20.13	ug/l	99
95) Naphthalene	15.41	128	176303	20.13	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	101373	20.45	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

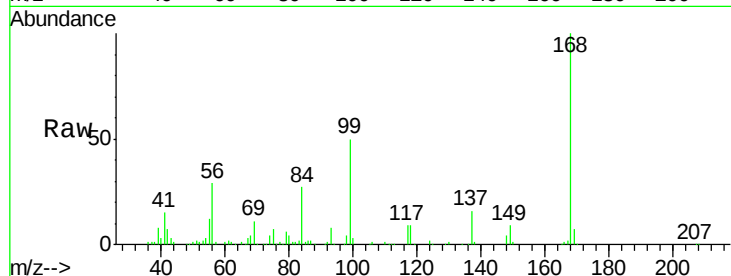
VD0312SBSD01

Tgt Ion:168 Resp: 470741

Ion Ratio Lower Upper

168 100

99 49.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

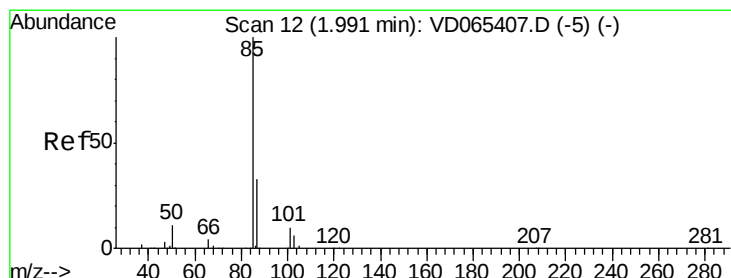
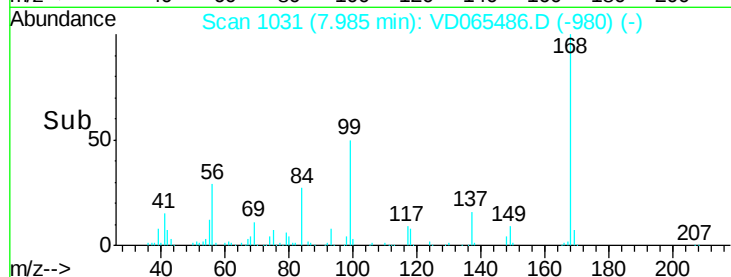
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.94 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065486.D

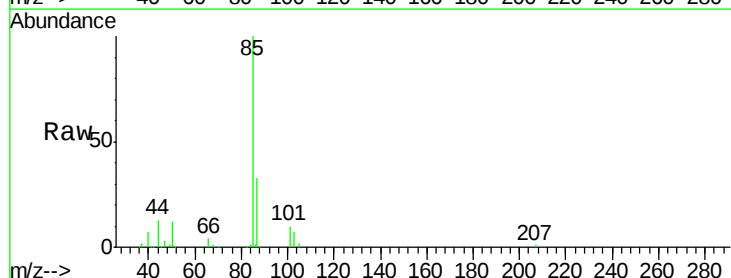
Acq: 12 Mar 2020 12:19

Tgt Ion: 85 Resp: 84733

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

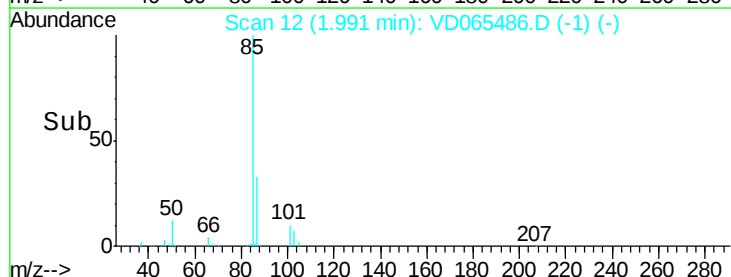
40000

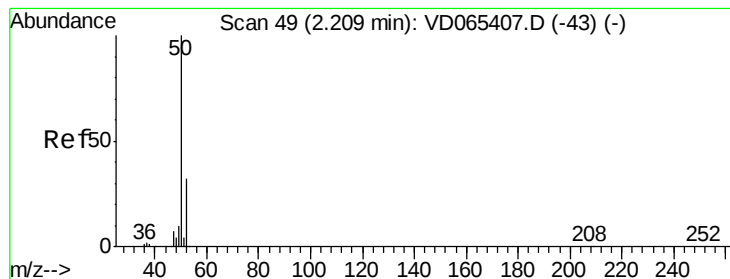
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.43 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

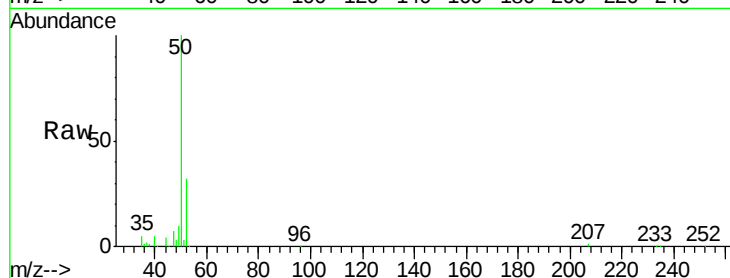
VD0312SBSD01

Tgt Ion: 50 Resp: 99813

Ion Ratio Lower Upper

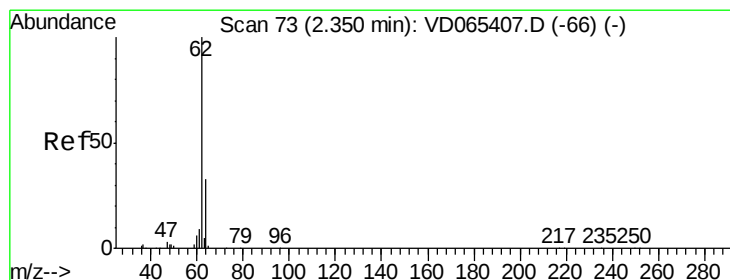
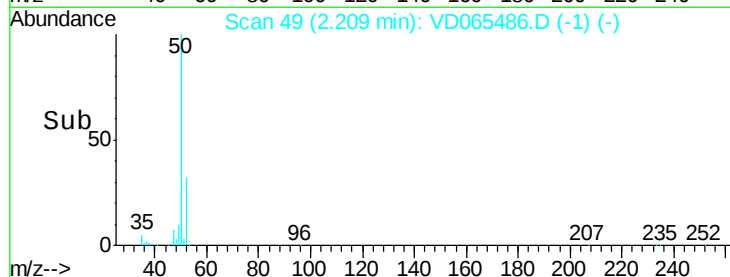
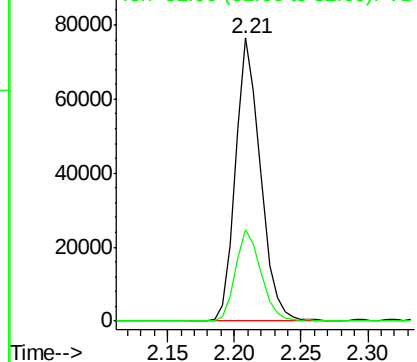
50 100

52 32.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.87 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065486.D

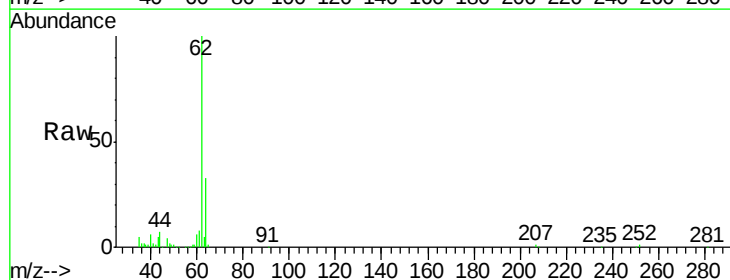
Acq: 12 Mar 2020 12:19

Tgt Ion: 62 Resp: 100542

Ion Ratio Lower Upper

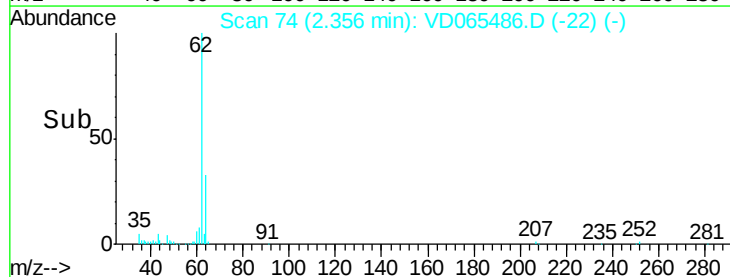
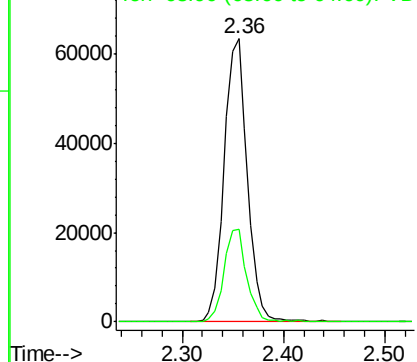
62 100

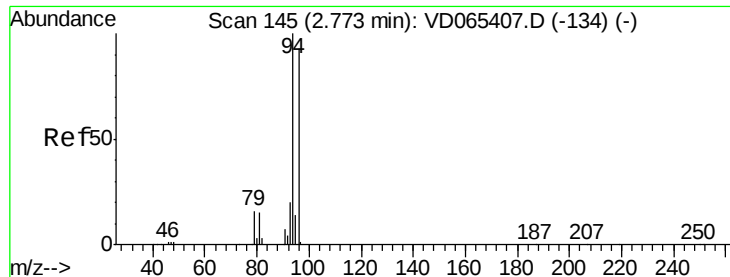
64 32.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.75 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

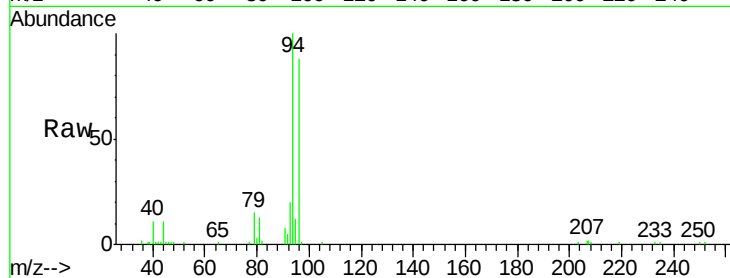
VD0312SBSD01

Tgt Ion: 94 Resp: 66019

Ion Ratio Lower Upper

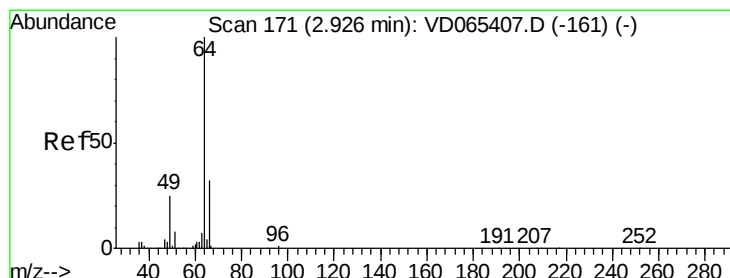
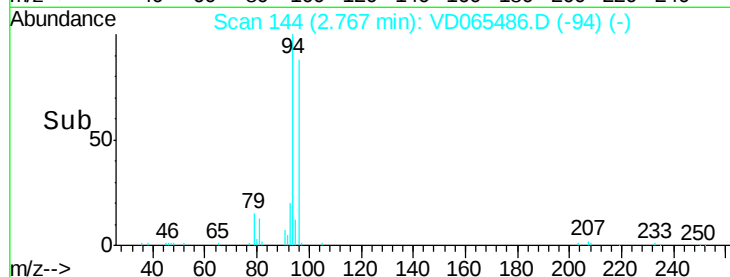
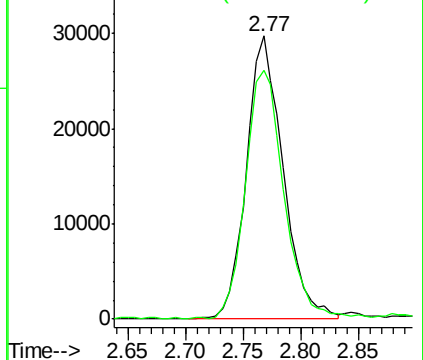
94 100

96 87.8 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.01 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065486.D

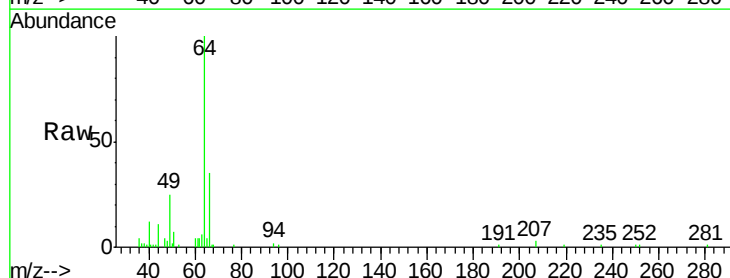
Acq: 12 Mar 2020 12:19

Tgt Ion: 64 Resp: 61999

Ion Ratio Lower Upper

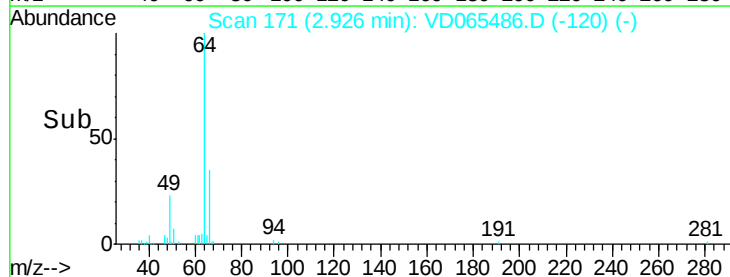
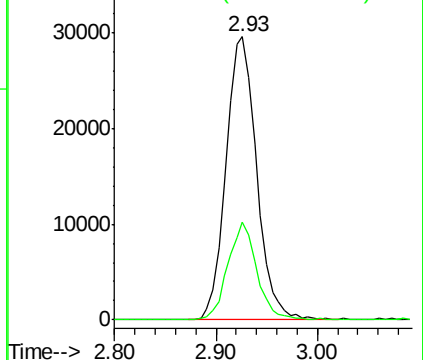
64 100

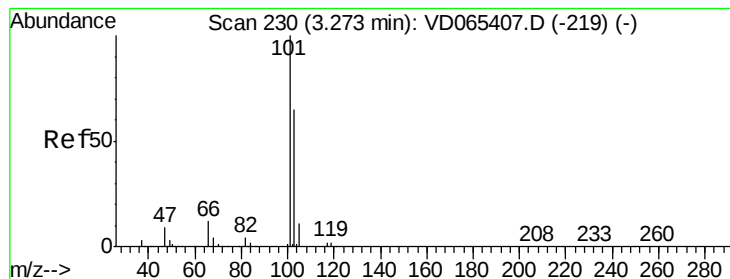
66 34.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.54 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

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ClientSampleId :

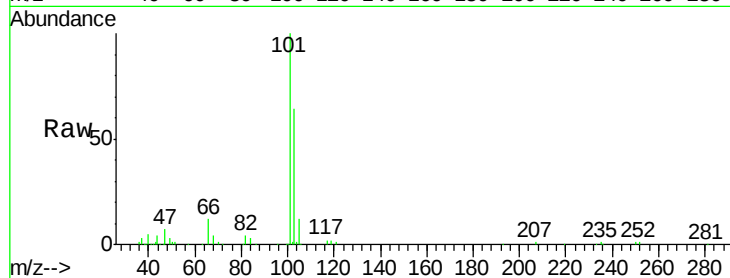
VD0312SBSD01

Tgt Ion:101 Resp: 145789

Ion Ratio Lower Upper

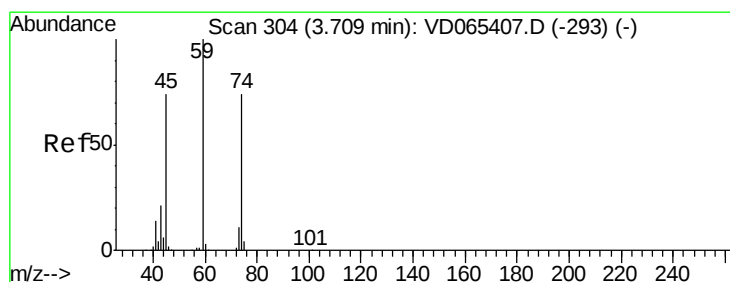
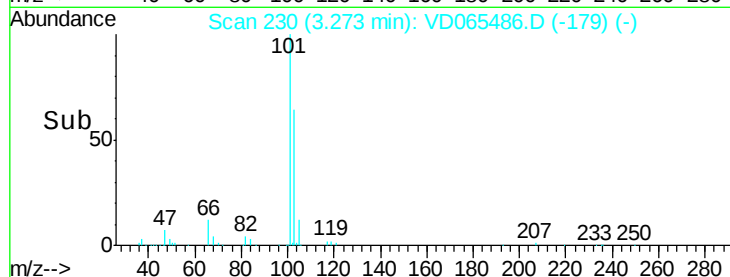
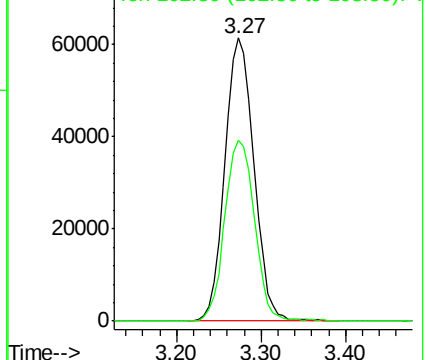
101 100

103 64.0 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.88 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065486.D

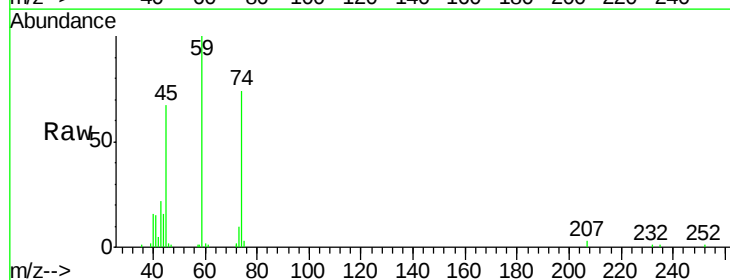
Acq: 12 Mar 2020 12:19

Tgt Ion: 74 Resp: 44075

Ion Ratio Lower Upper

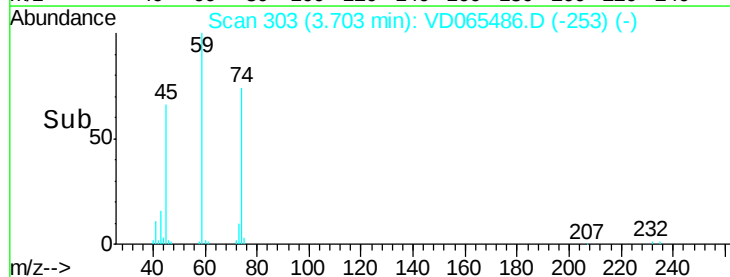
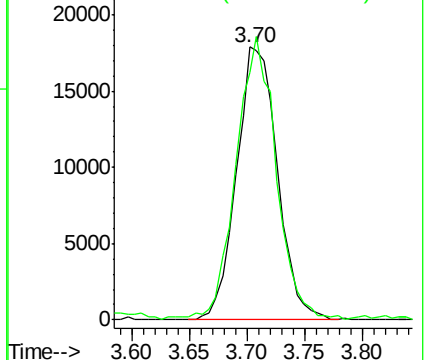
74 100

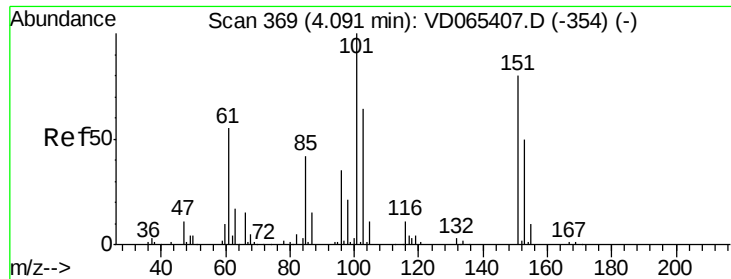
45 102.3 49.5 148.5



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: 21.14 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

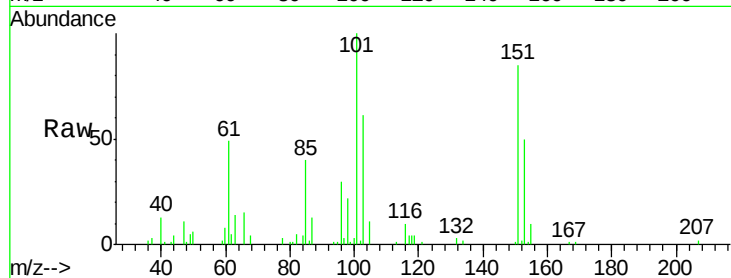
Tgt Ion:101 Resp: 96650

Ion Ratio Lower Upper

101 100

85 41.1 34.2 51.2

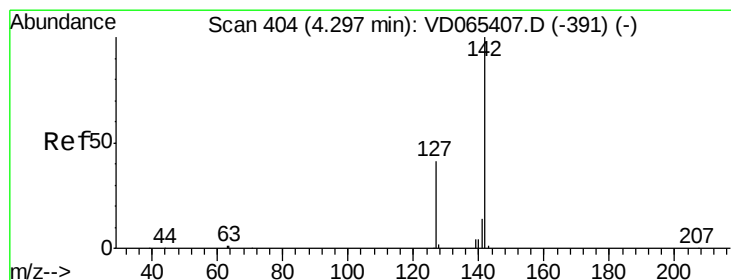
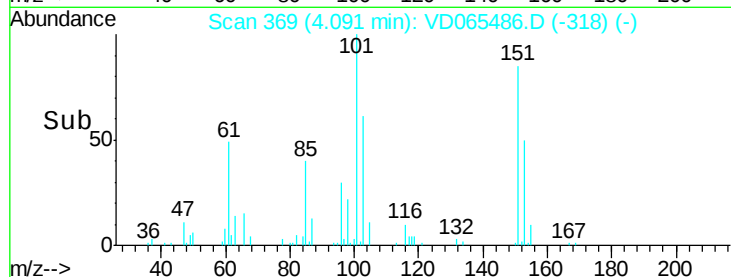
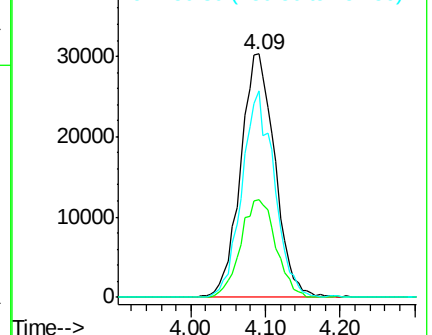
151 80.1 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.32 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

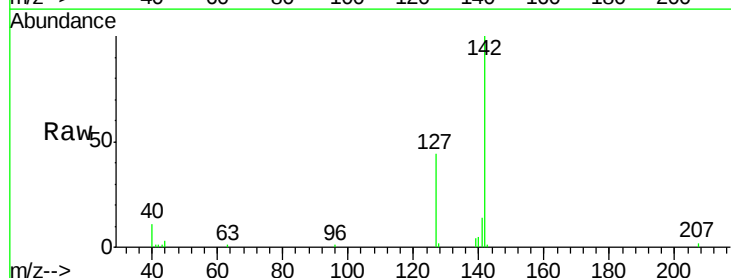
Tgt Ion:142 Resp: 96527

Ion Ratio Lower Upper

142 100

127 43.1 35.0 52.6

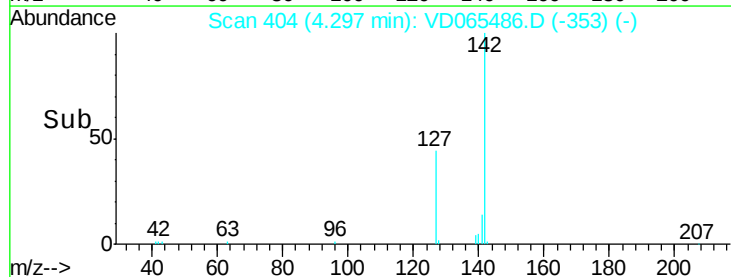
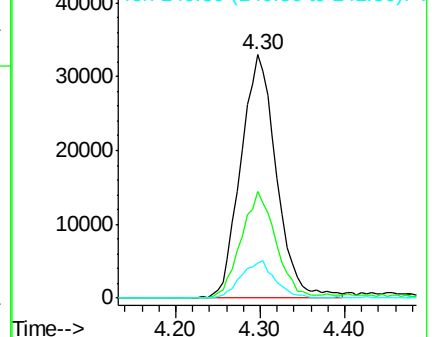
141 14.5 12.4 18.6

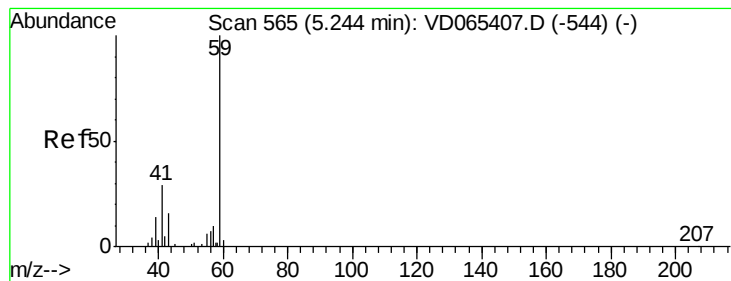


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 128.79 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

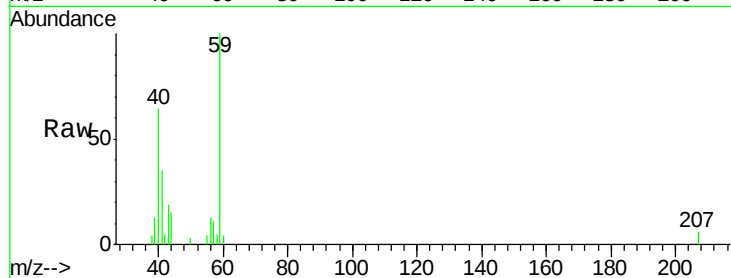
VD0312SBSD01

Tgt Ion: 59 Resp: 29831

Ion Ratio Lower Upper

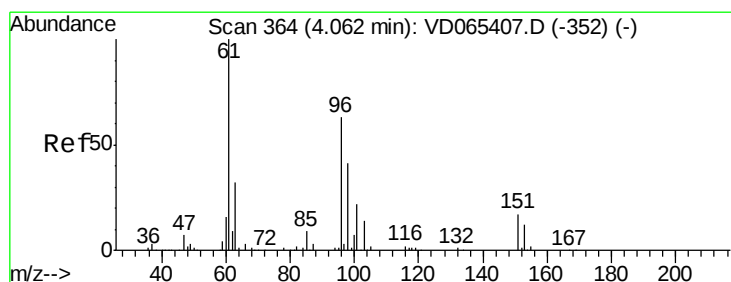
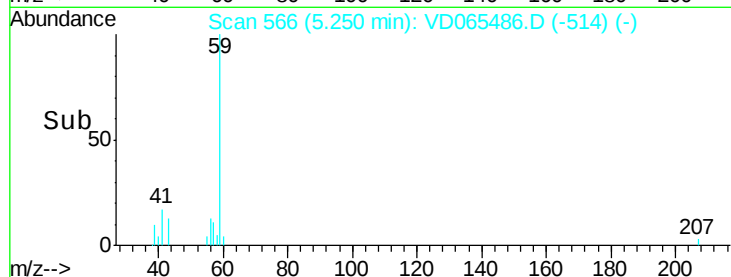
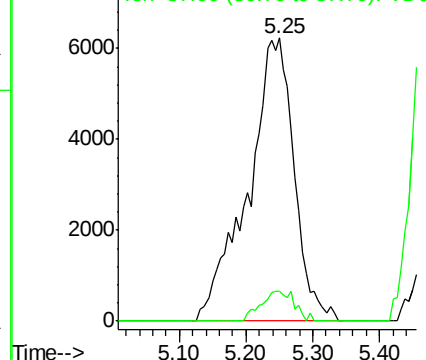
59 100

57 7.8 6.9 10.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.63 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

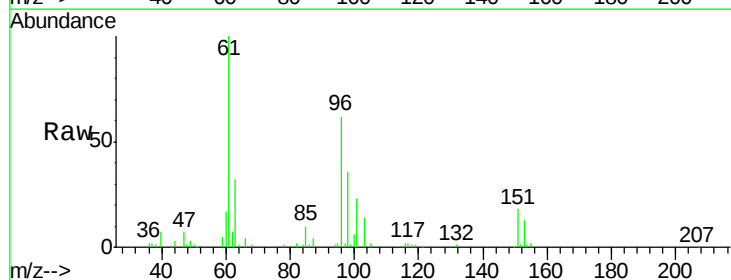
Tgt Ion: 96 Resp: 85940

Ion Ratio Lower Upper

96 100

61 160.7 128.0 192.0

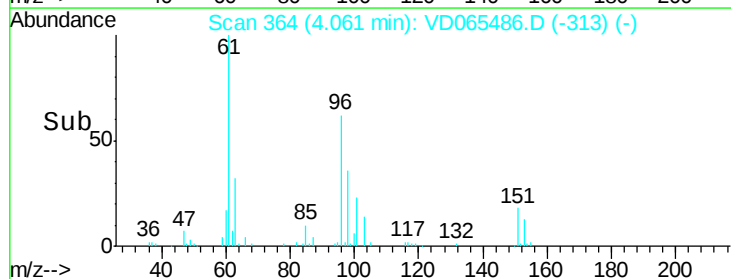
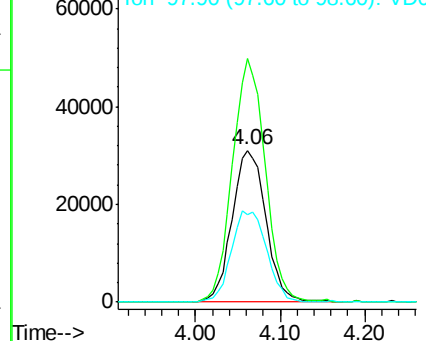
98 57.7 51.9 77.9

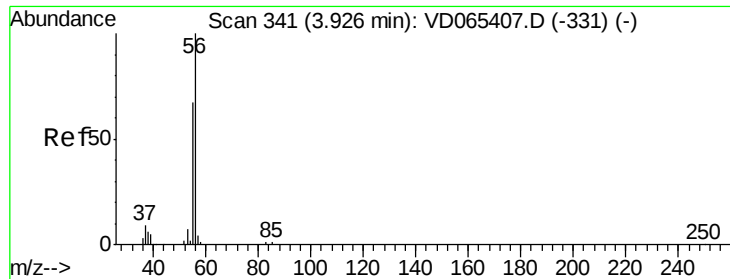


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 83.16 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

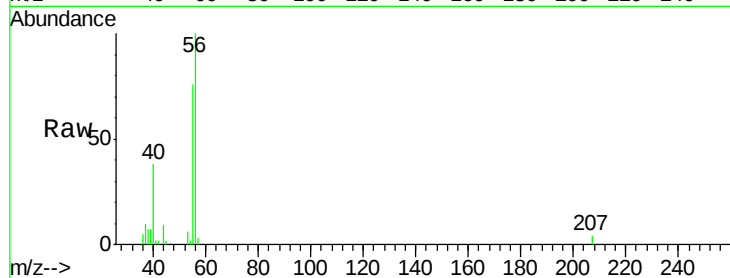
VD0312SBSD01

Tgt Ion: 56 Resp: 33220

Ion Ratio Lower Upper

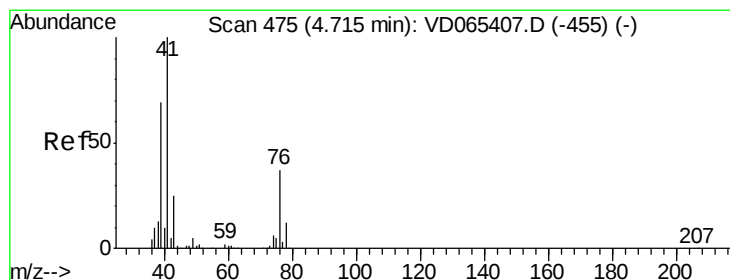
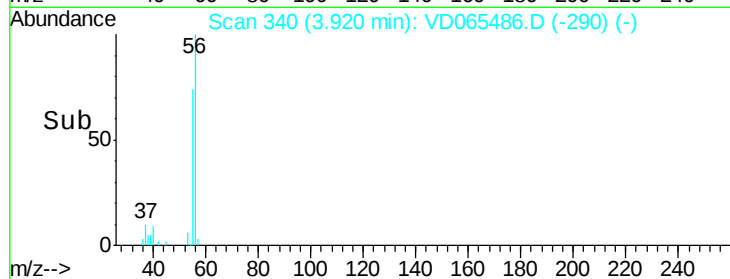
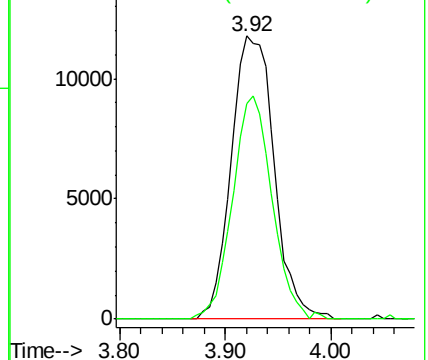
56 100

55 72.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.55 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

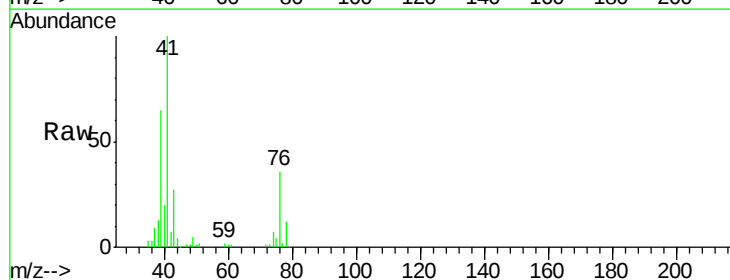
Tgt Ion: 41 Resp: 131512

Ion Ratio Lower Upper

41 100

39 64.8 52.6 79.0

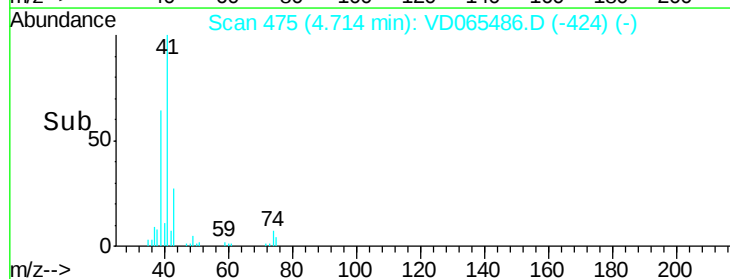
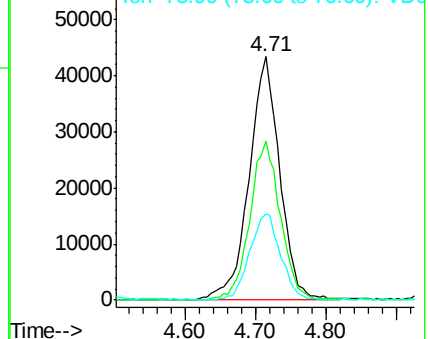
76 35.5 29.2 43.8

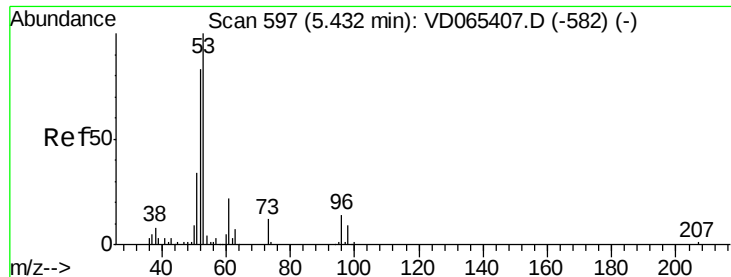


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.49 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

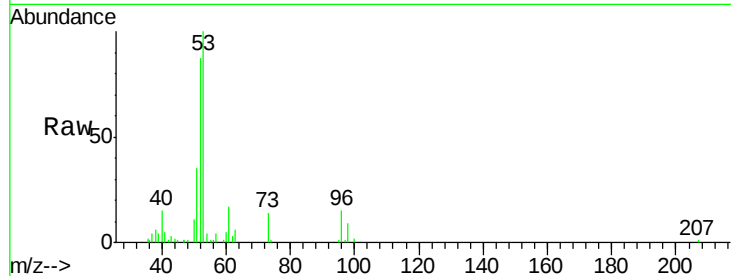
Tgt Ion: 53 Resp: 96881

Ion Ratio Lower Upper

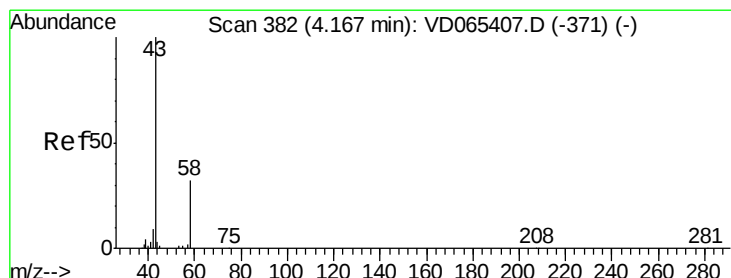
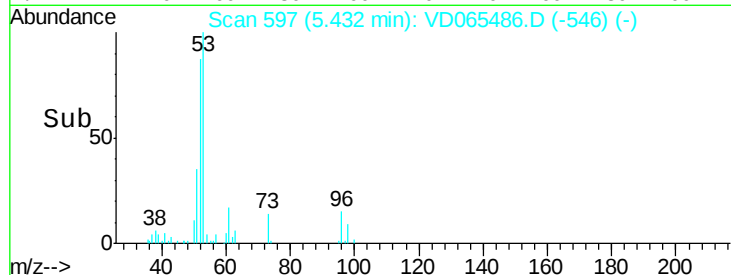
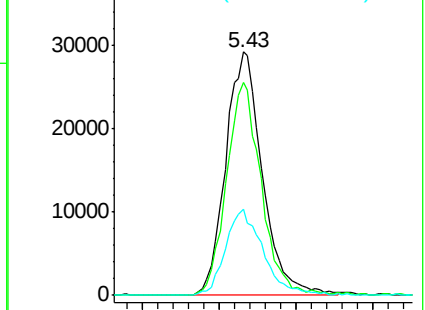
53 100

52 82.0 65.1 97.7

51 36.2 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 100.46 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065486.D

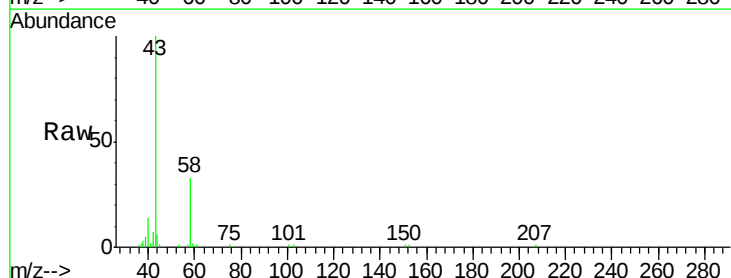
Acq: 12 Mar 2020 12:19

Tgt Ion: 43 Resp: 82043

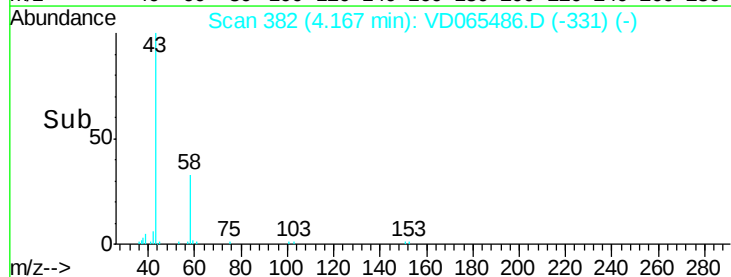
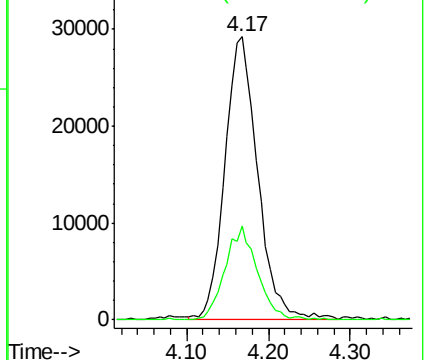
Ion Ratio Lower Upper

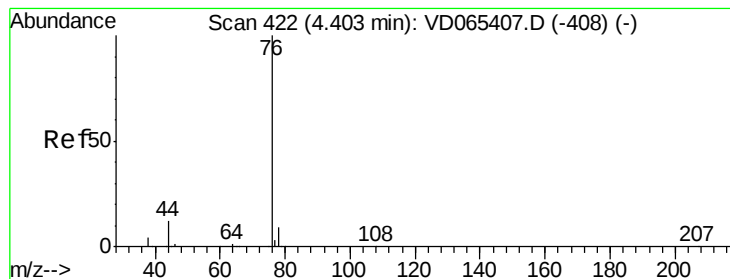
43 100

58 33.0 25.1 37.7



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





#17

Carbon Disulfide

Concen: 19.60 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

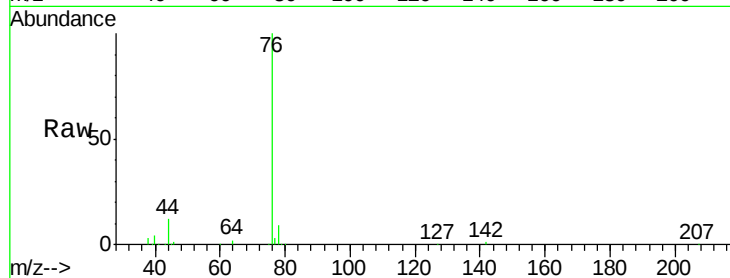
VD0312SBSD01

Tgt Ion: 76 Resp: 285720

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

100000

80000

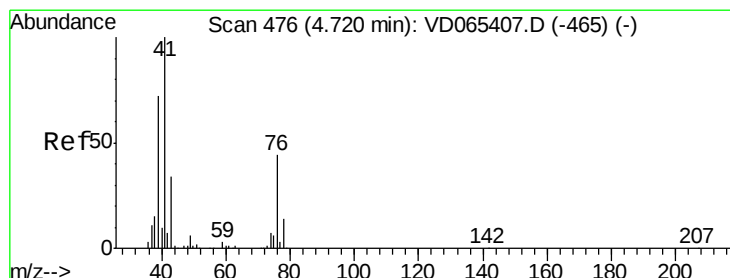
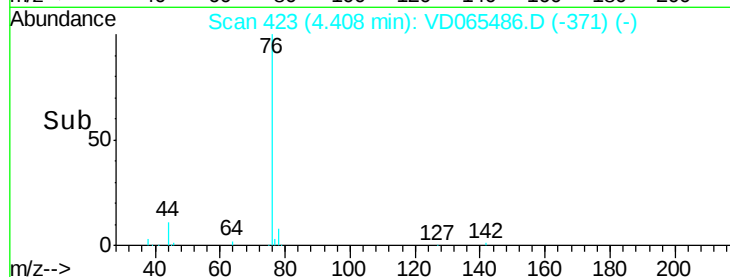
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.35 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065486.D

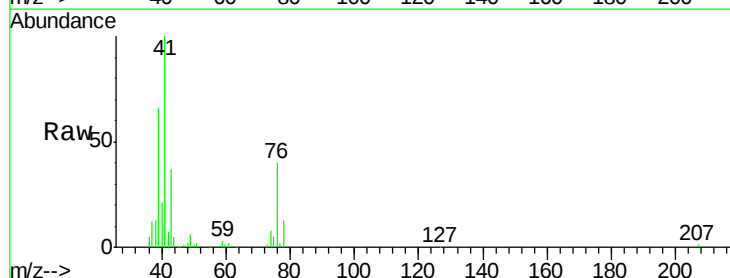
Acq: 12 Mar 2020 12:19

Tgt Ion: 43 Resp: 44234

Ion Ratio Lower Upper

43 100

74 24.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

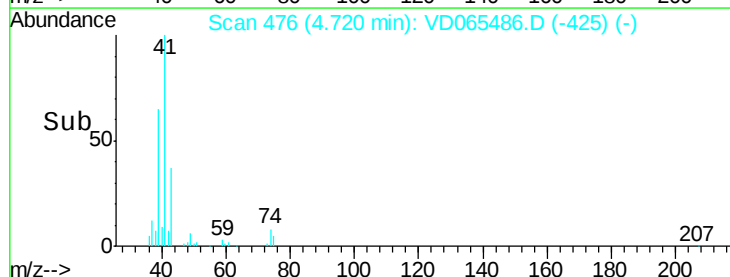
15000

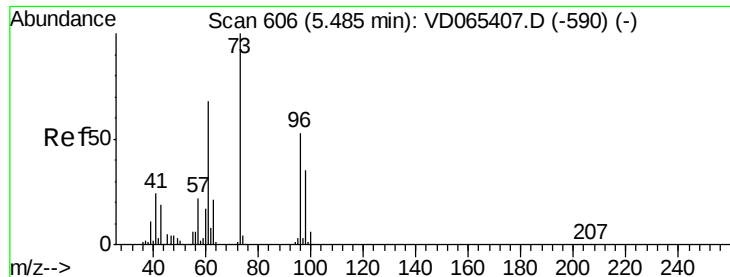
10000

5000

0

Time-->

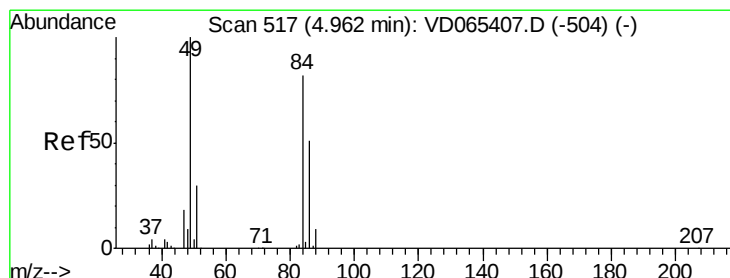
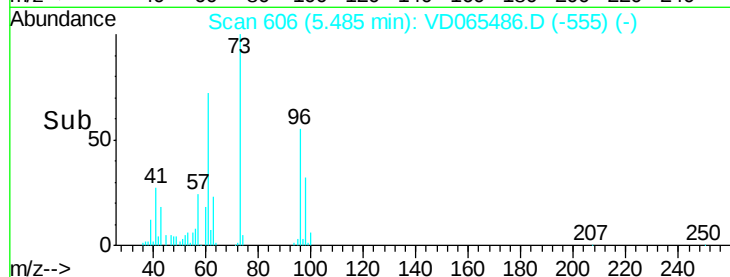
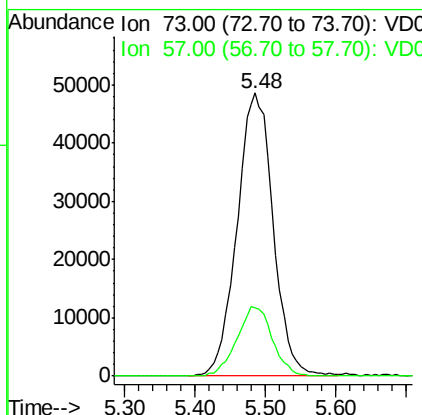
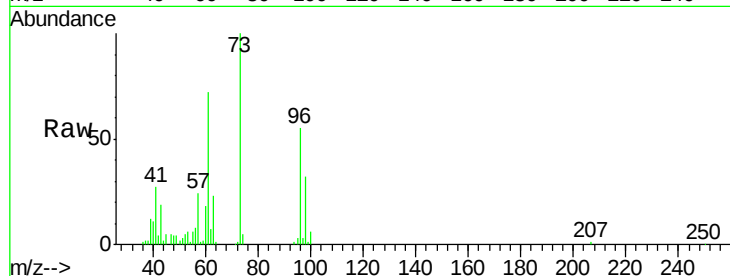




#19
Methyl tert-butyl Ether
Concen: 20.49 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

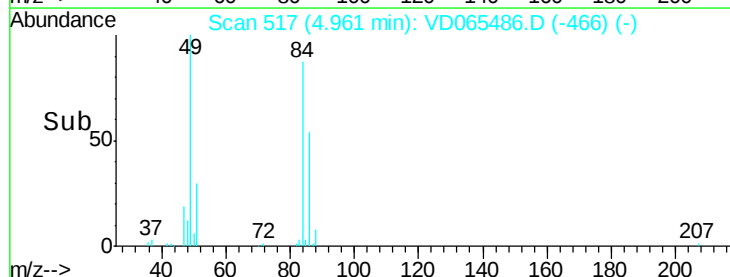
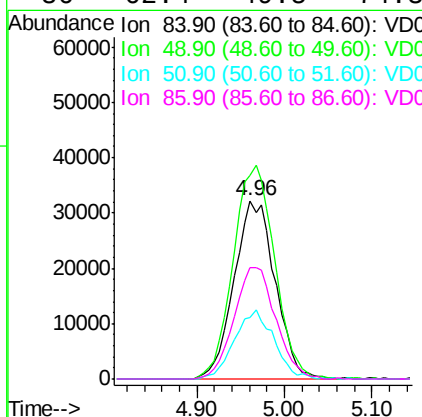
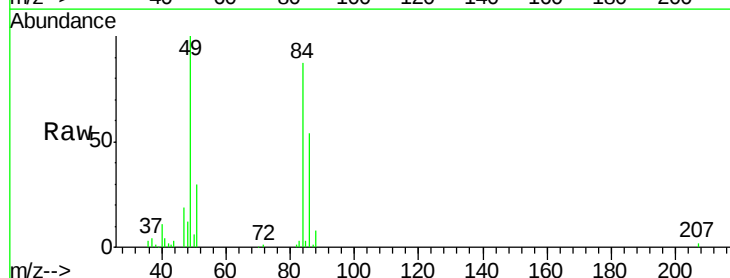
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

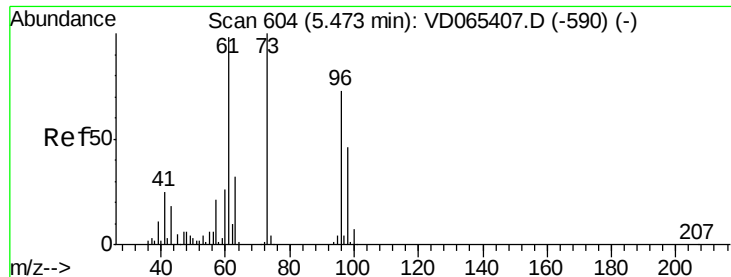
Tgt Ion: 73 Resp: 172490
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9



#20
Methylene Chloride
Concen: 21.20 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 84 Resp: 102850
Ion Ratio Lower Upper
84 100
49 114.7 97.7 146.5
51 34.2 28.8 43.2
86 62.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.59 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

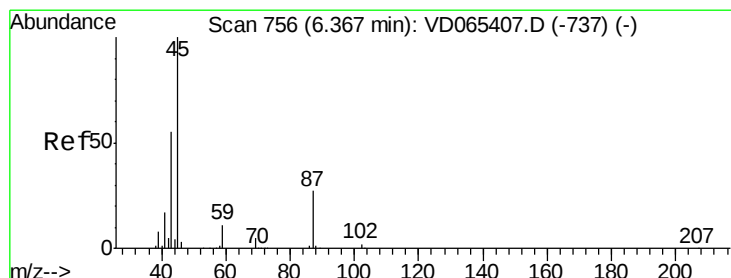
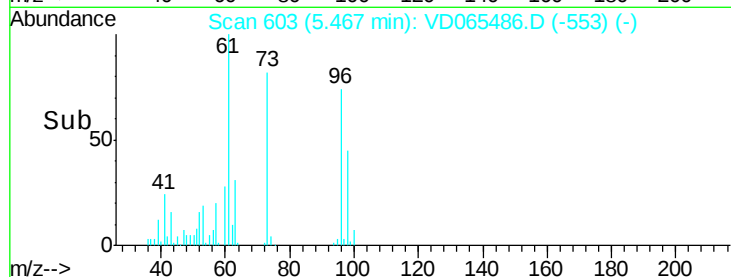
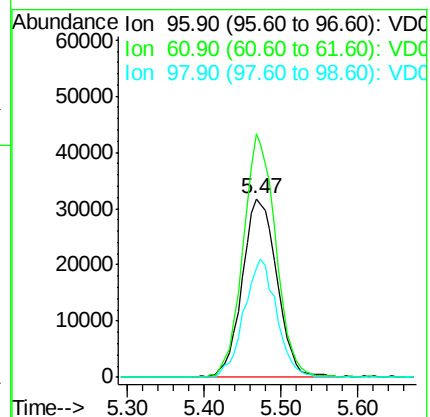
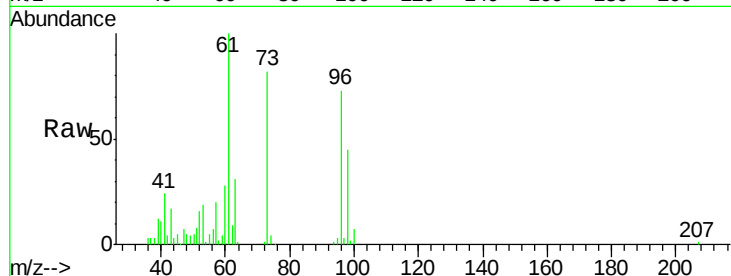
Tgt Ion: 96 Resp: 100296

Ion Ratio Lower Upper

96 100

61 136.2 106.3 159.5

98 61.3 50.2 75.4



#22

Diisopropyl ether

Concen: 21.42 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion: 45 Resp: 267837

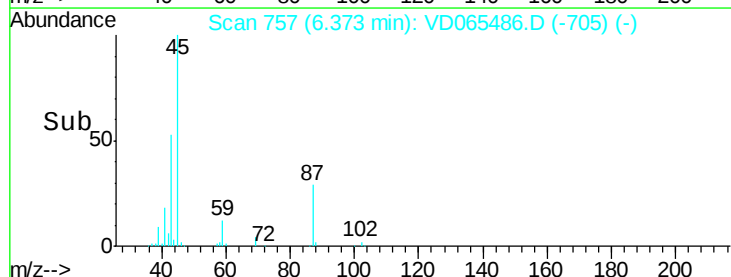
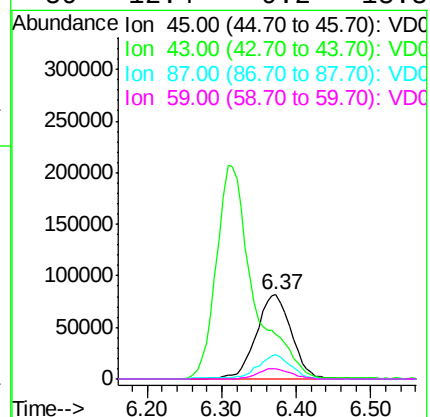
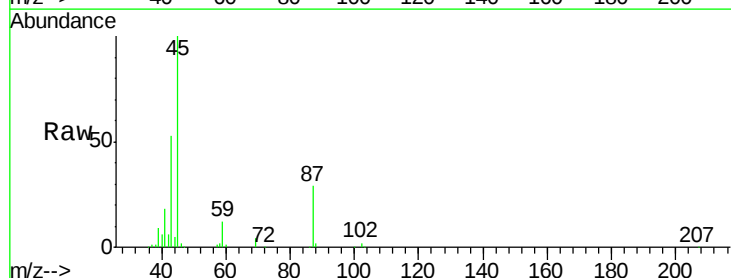
Ion Ratio Lower Upper

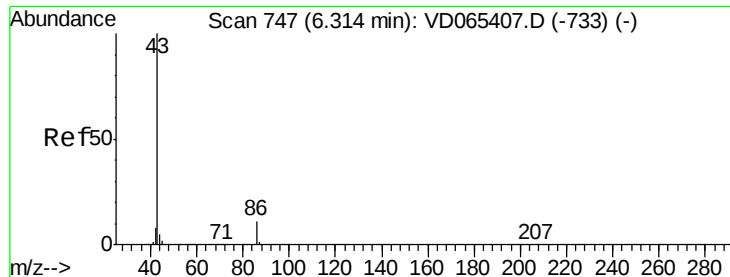
45 100

43 52.0 44.4 66.6

87 28.5 21.9 32.9

59 12.4 9.2 13.8





#23

Vinyl Acetate

Concen: 102.85 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

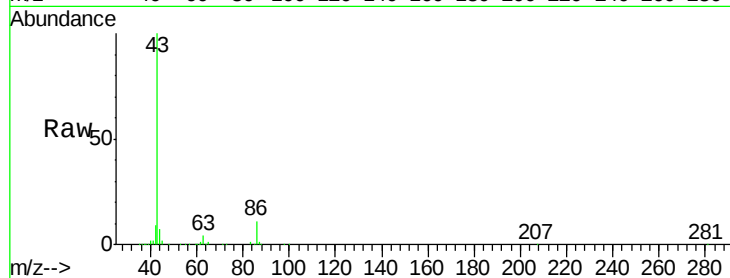
VD0312SBSD01

Tgt Ion: 43 Resp: 713928

Ion Ratio Lower Upper

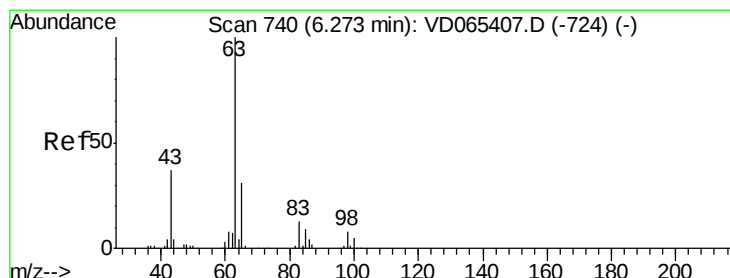
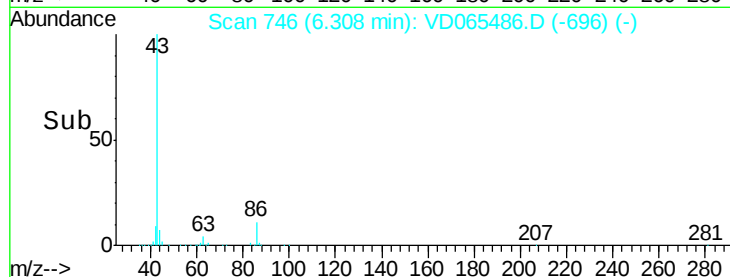
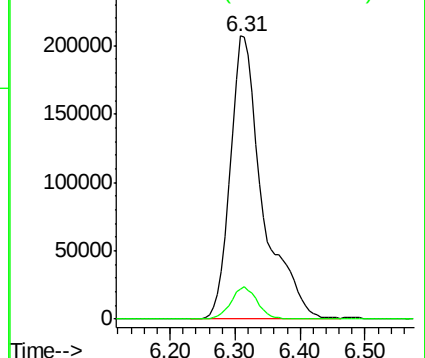
43 100

86 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.59 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

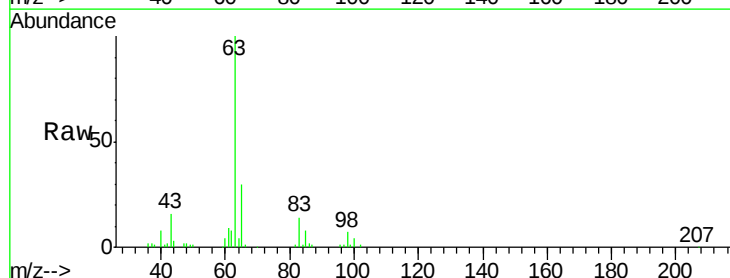
Tgt Ion: 63 Resp: 165141

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

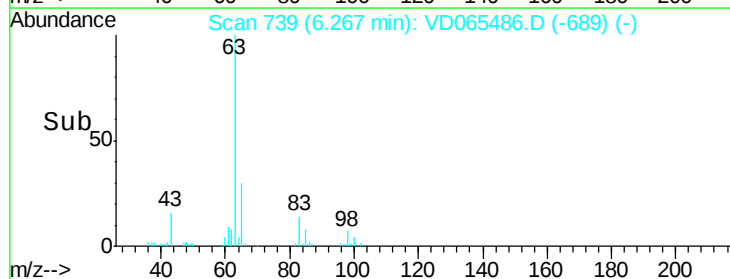
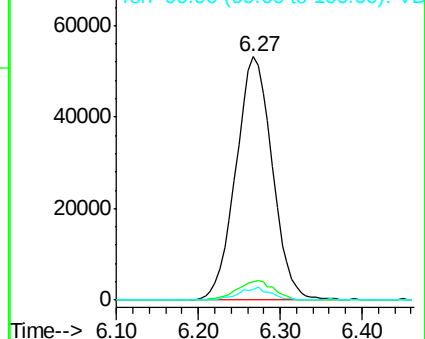
100 4.3 2.4 7.2

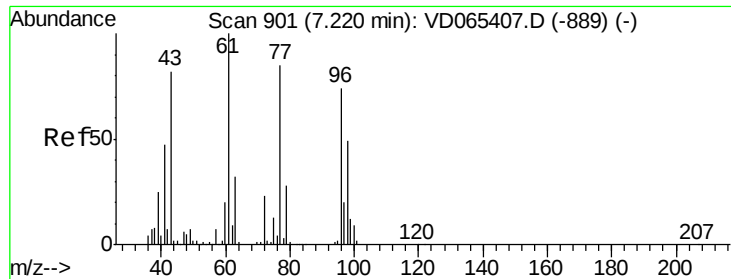


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 101.50 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

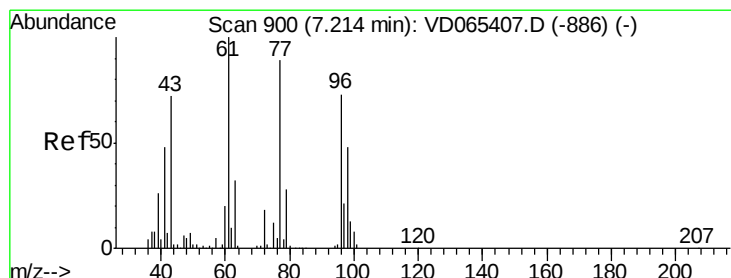
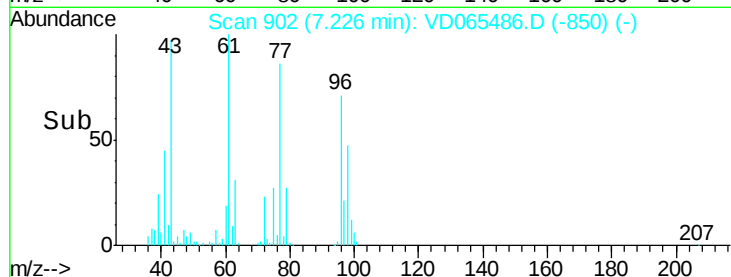
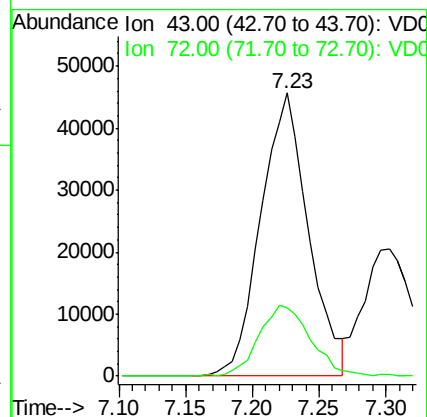
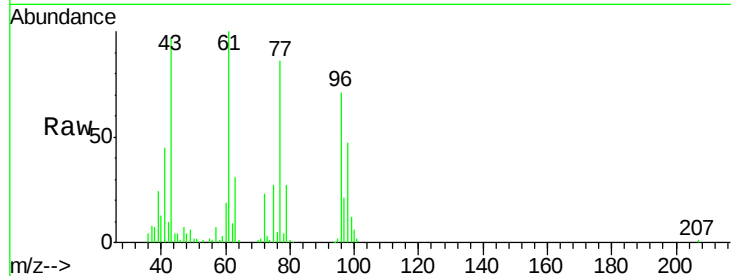
VD0312SBS01

Tgt Ion: 43 Resp: 113121

Ion Ratio Lower Upper

43 100

72 24.0 22.3 33.5



#26

2,2-Dichloropropane

Concen: 20.58 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065486.D

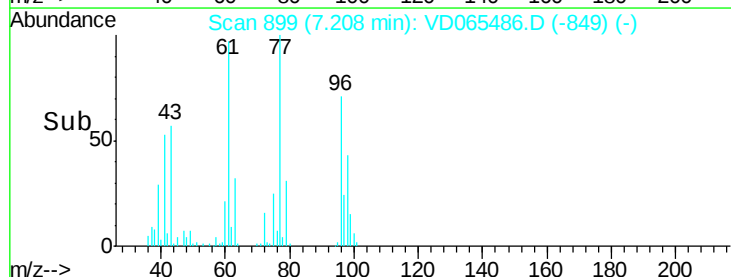
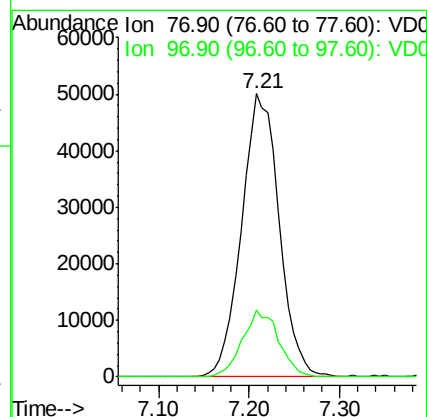
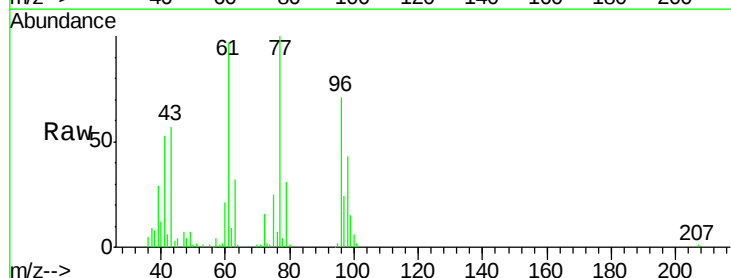
Acq: 12 Mar 2020 12:19

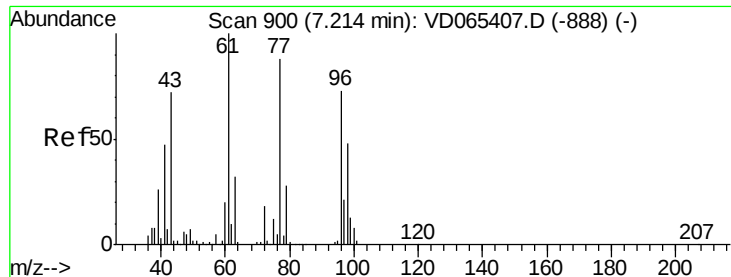
Tgt Ion: 77 Resp: 144242

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.40 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

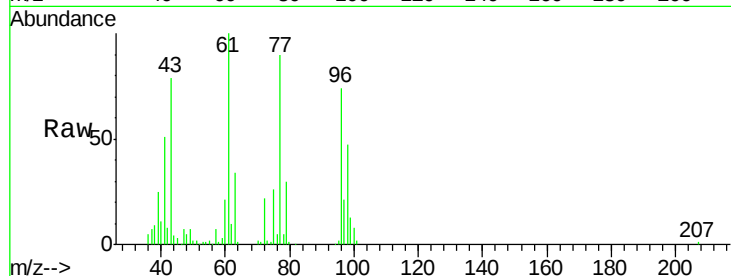
Tgt Ion: 96 Resp: 101571

Ion Ratio Lower Upper

96 100

61 141.9 0.0 280.4

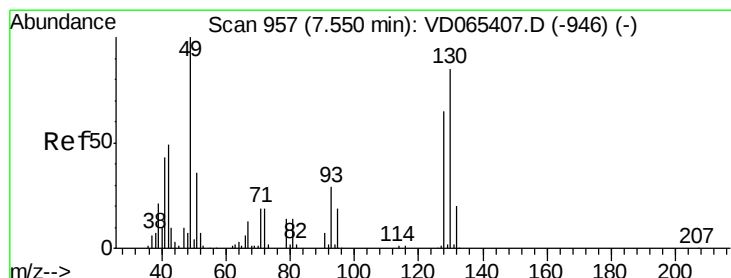
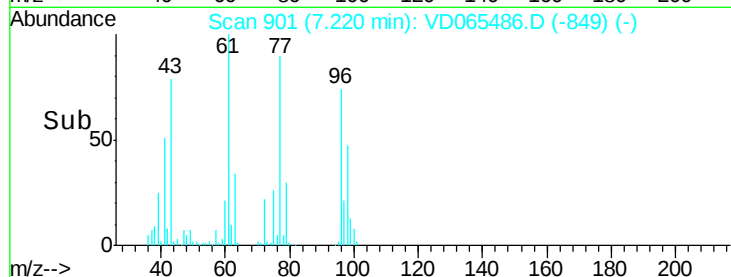
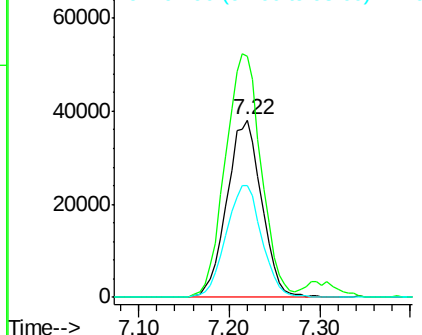
98 65.1 0.0 132.6



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: 21.40 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

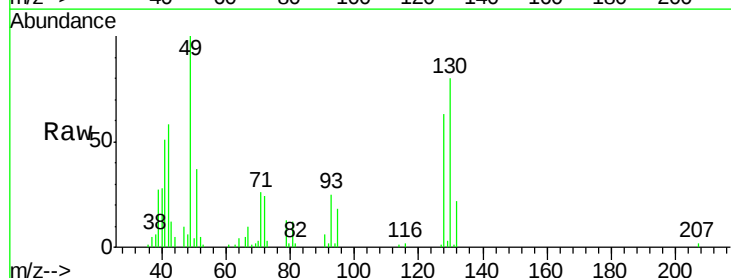
Tgt Ion: 49 Resp: 68666

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.6

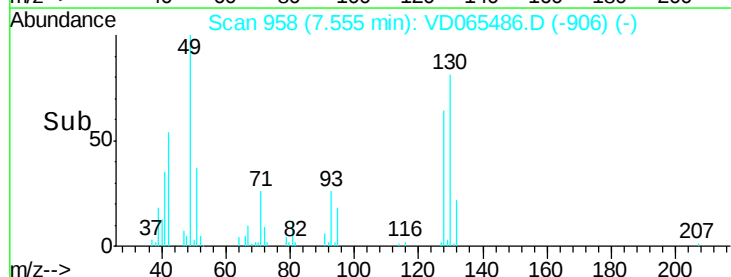
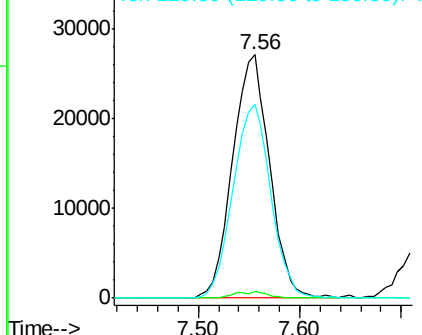
130 81.2 66.6 100.0

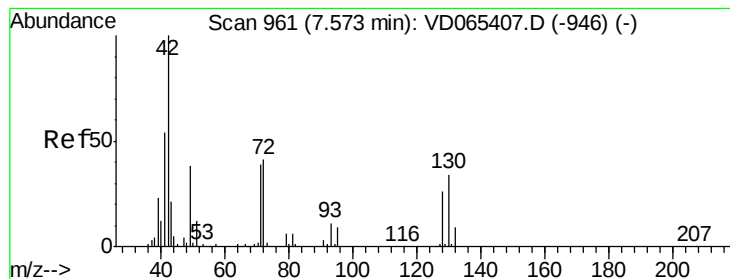


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.82 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

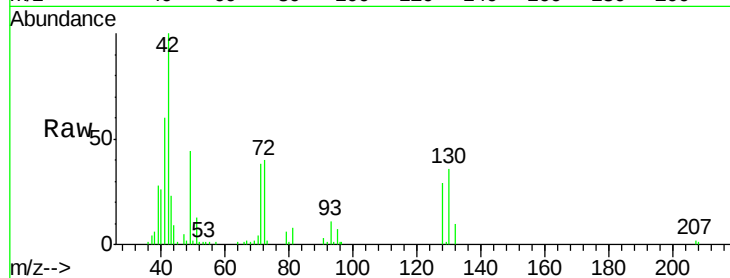
Tgt Ion: 42 Resp: 72463

Ion Ratio Lower Upper

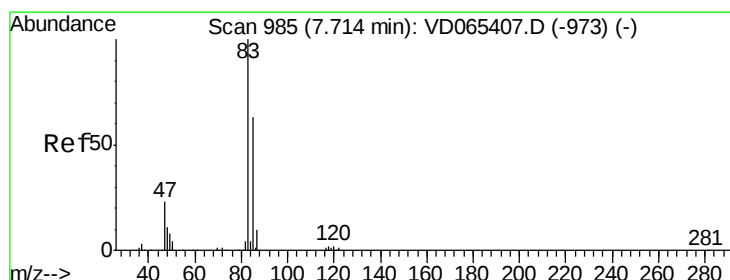
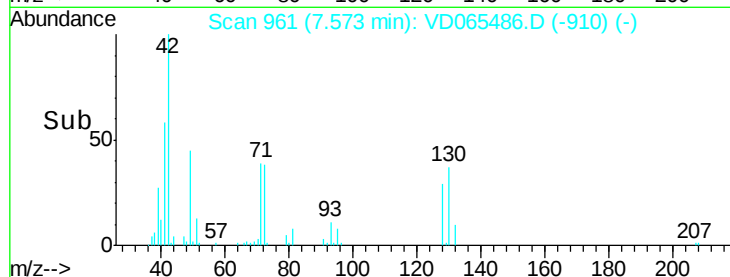
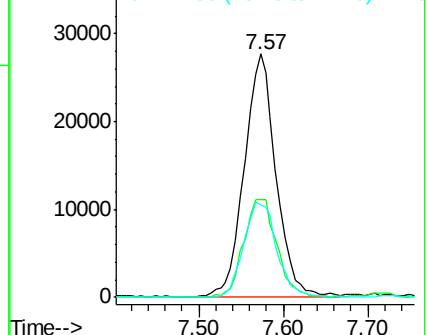
42 100

72 42.2 33.0 49.6

71 40.3 32.0 48.0



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



#30

Chloroform

Concen: 21.30 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065486.D

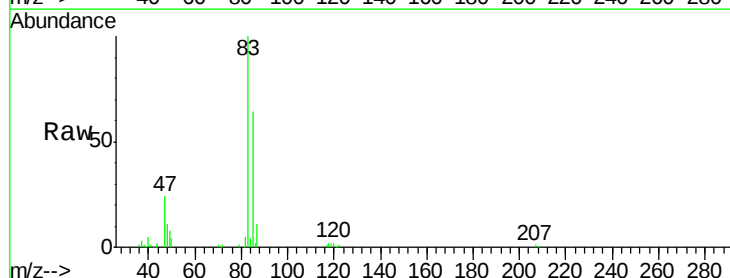
Acq: 12 Mar 2020 12:19

Tgt Ion: 83 Resp: 170755

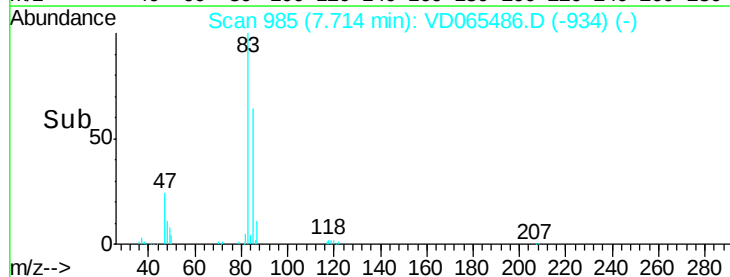
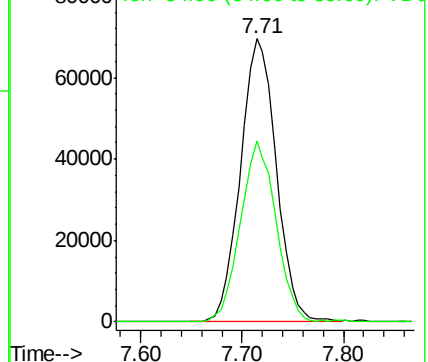
Ion Ratio Lower Upper

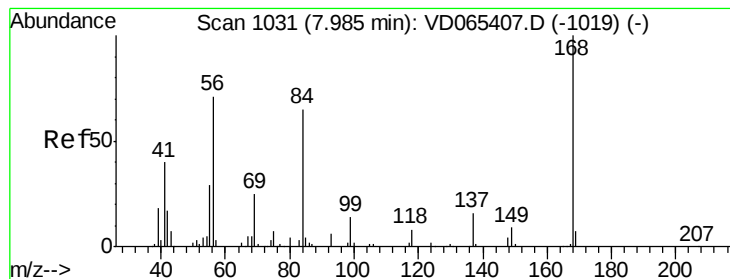
83 100

85 63.9 50.3 75.5



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





#31

Cyclohexane

Concen: 19.38 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

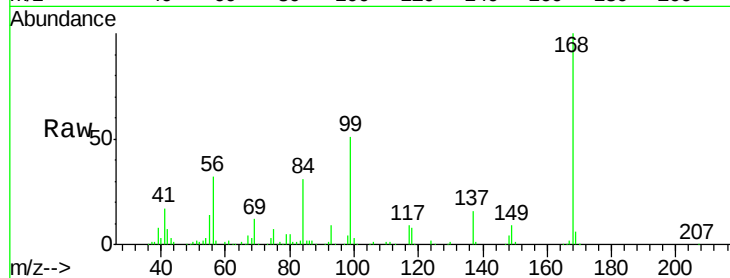
Tgt Ion: 56 Resp: 155357

Ion Ratio Lower Upper

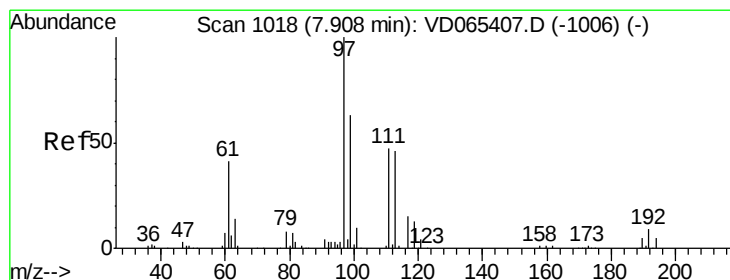
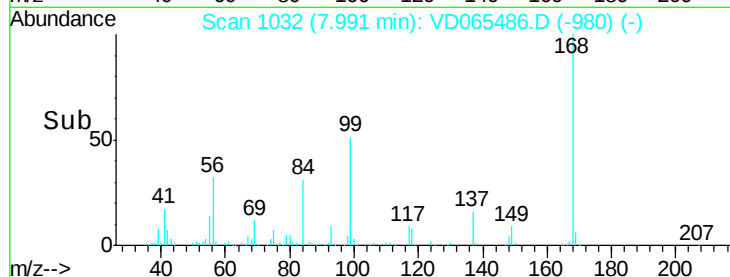
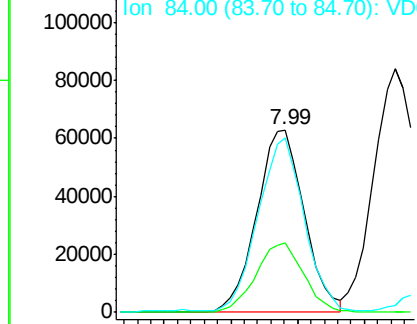
56 100

69 38.4 28.3 42.5

84 94.6 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 20.44 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

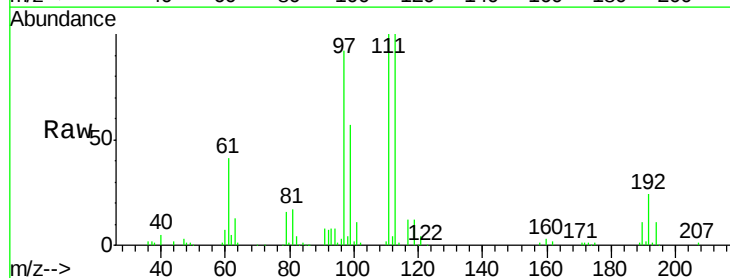
Tgt Ion: 97 Resp: 151421

Ion Ratio Lower Upper

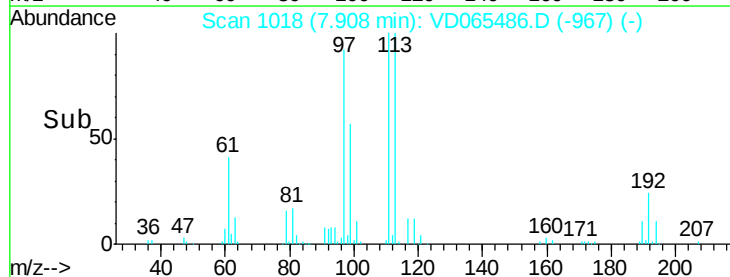
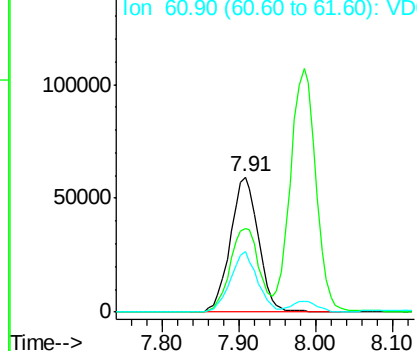
97 100

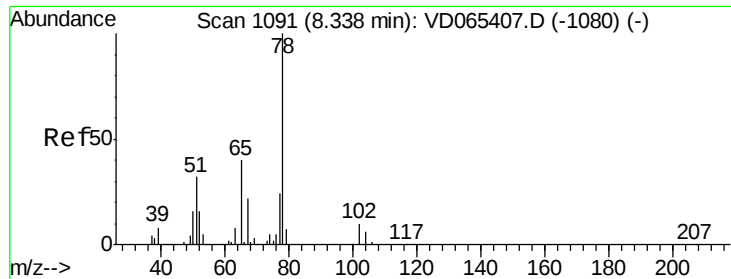
99 64.1 50.9 76.3

61 42.6 33.2 49.8



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: 49.73 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

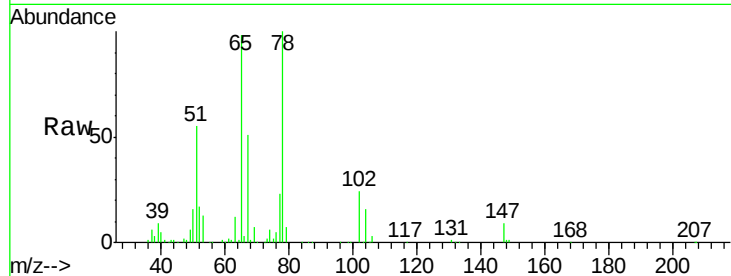
VD0312SBSD01

Tgt Ion: 65 Resp: 200824

Ion Ratio Lower Upper

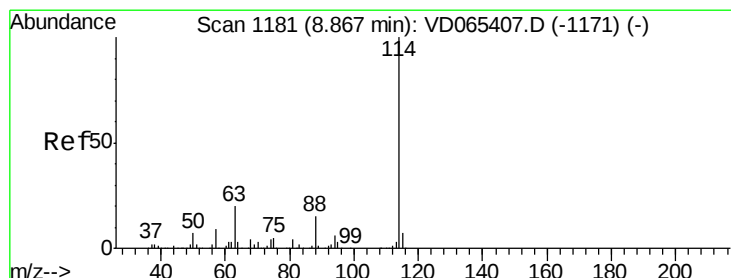
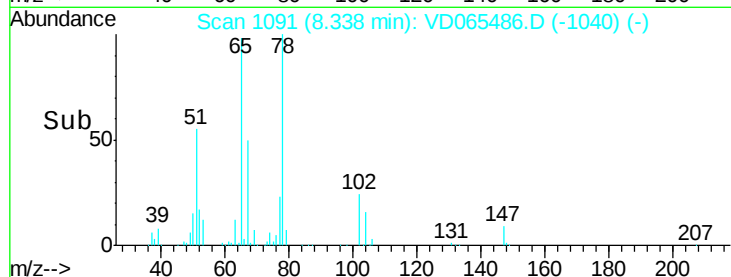
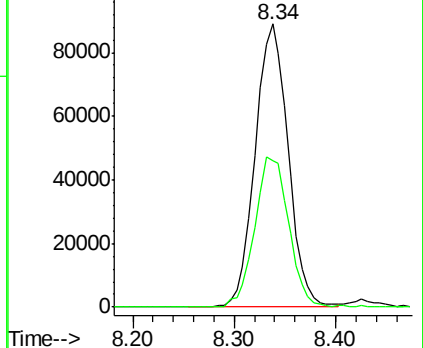
65 100

67 54.4 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

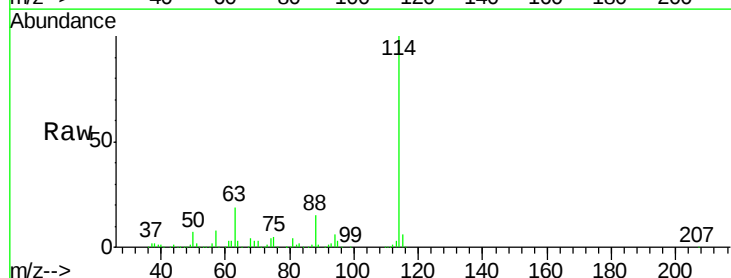
Tgt Ion: 114 Resp: 689701

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

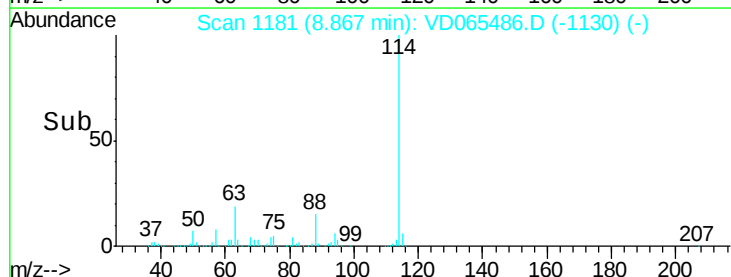
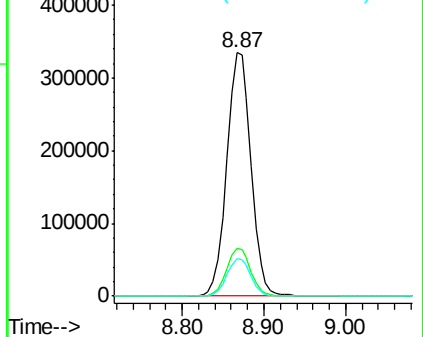
88 15.5 0.0 30.4

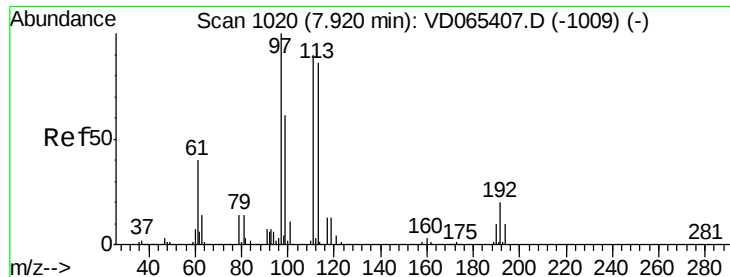


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

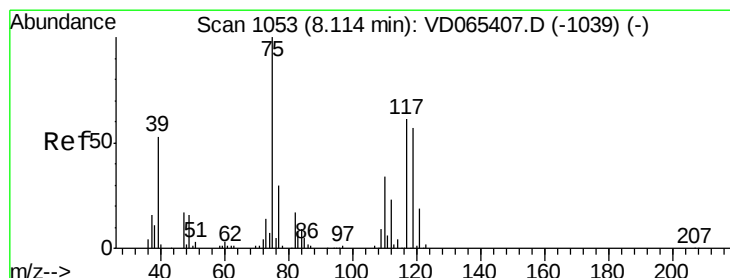
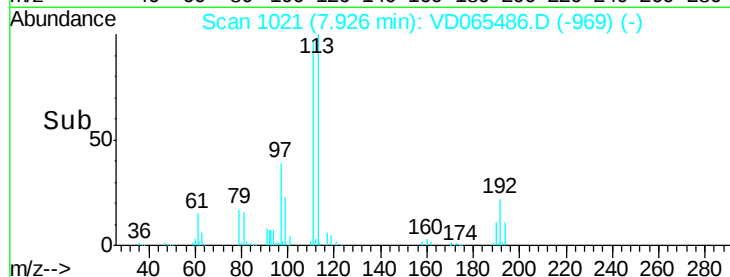
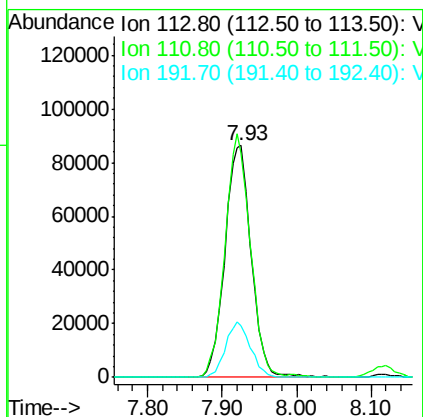
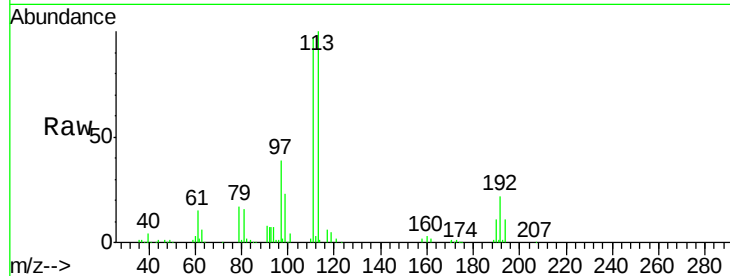




#35
 Dibromofluoromethane
 Concen: 49.61 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

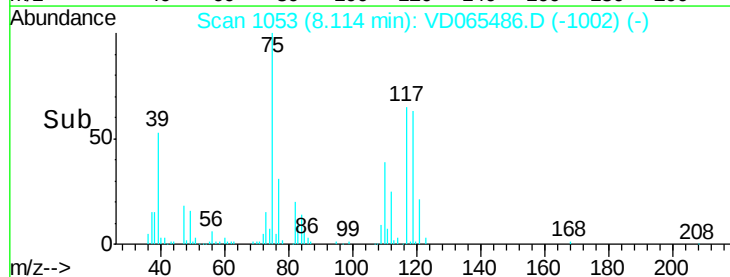
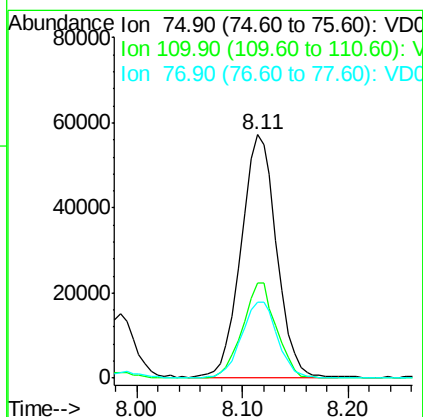
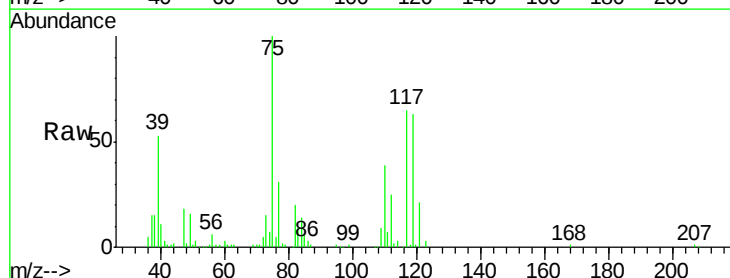
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

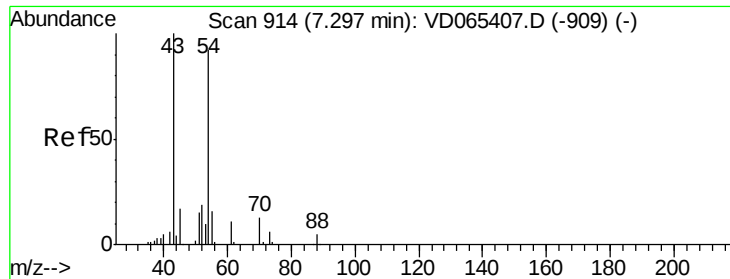
Tgt Ion: 113 Resp: 211575
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.1 123.1
 192 22.6 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 20.09 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion: 75 Resp: 132840
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.1 54.1
 77 32.3 25.2 37.8

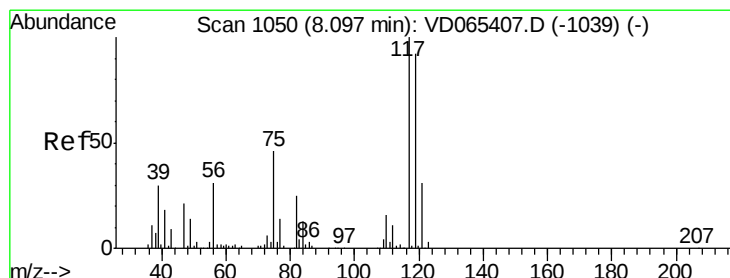
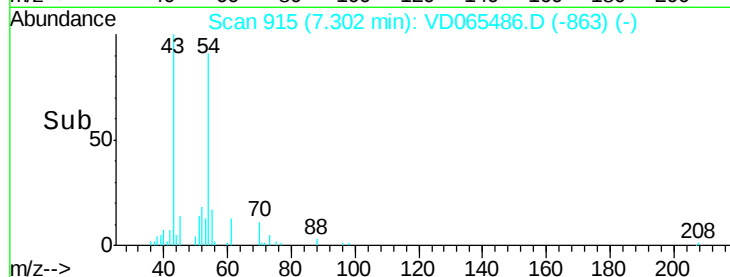
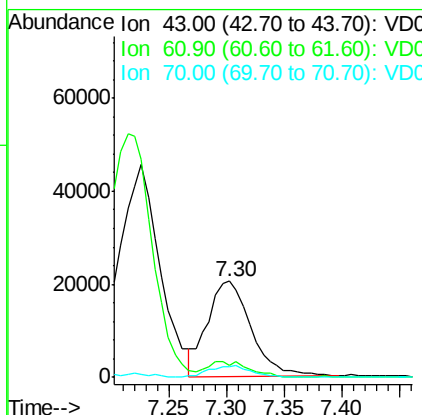
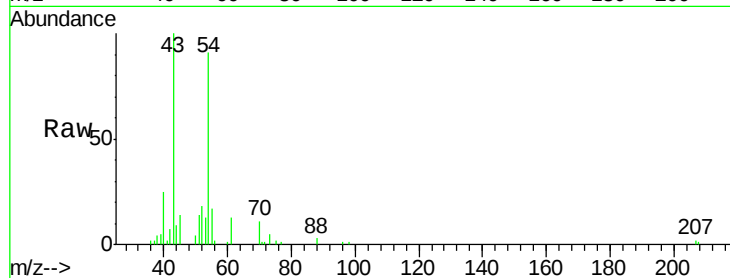




#37
Ethyl Acetate
Concen: 20.95 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

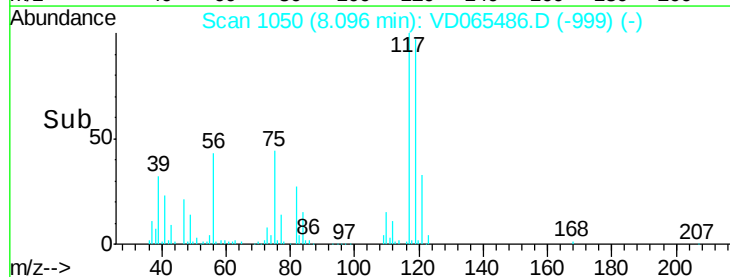
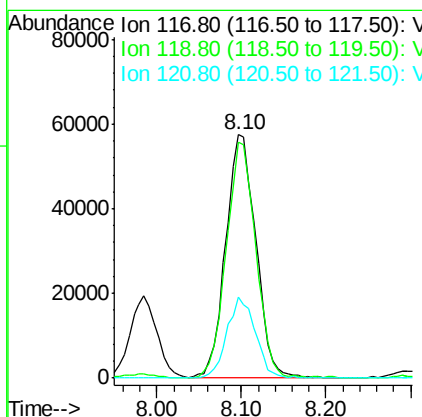
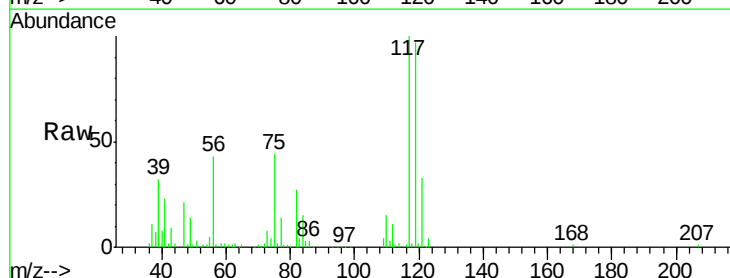
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

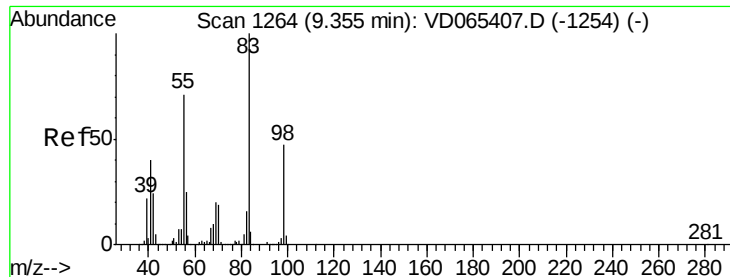
Tgt Ion: 43 Resp: 53541
Ion Ratio Lower Upper
43 100
61 16.4 11.4 17.0
70 11.9 9.0 13.4



#38
Carbon Tetrachloride
Concen: 20.66 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 117 Resp: 141656
Ion Ratio Lower Upper
117 100
119 96.8 73.3 109.9
121 33.0 25.0 37.4





#39

Methylcyclohexane

Concen: 19.45 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

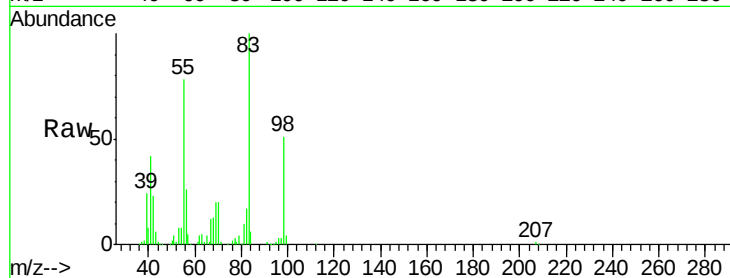
Tgt Ion: 83 Resp: 155340

Ion Ratio Lower Upper

83 100

55 78.3 57.1 85.7

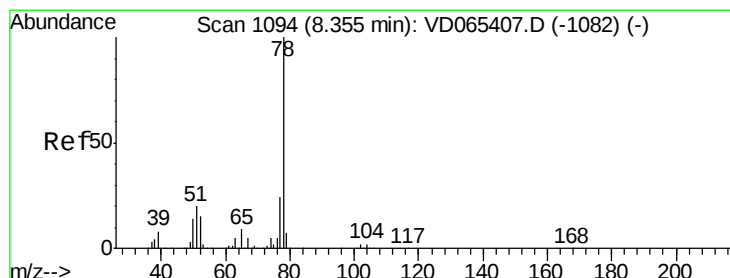
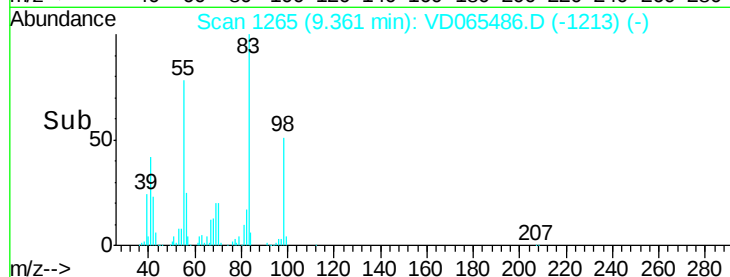
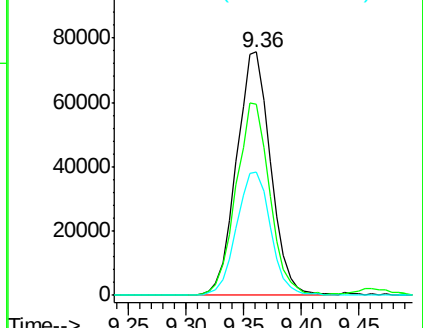
98 50.8 37.8 56.8



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 20.87 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD065486.D

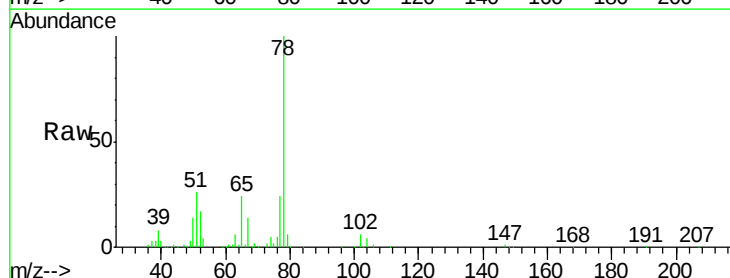
Acq: 12 Mar 2020 12:19

Tgt Ion: 78 Resp: 385726

Ion Ratio Lower Upper

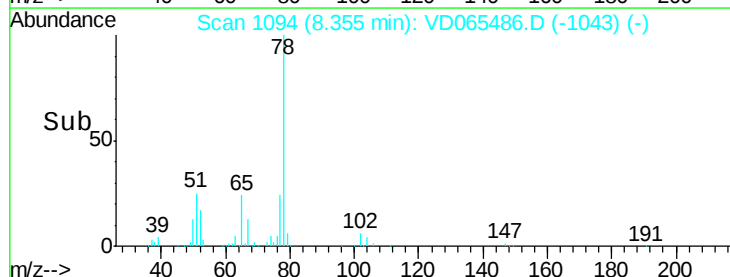
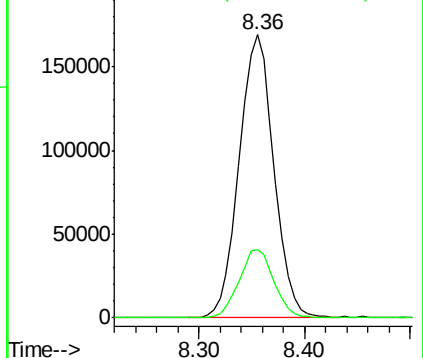
78 100

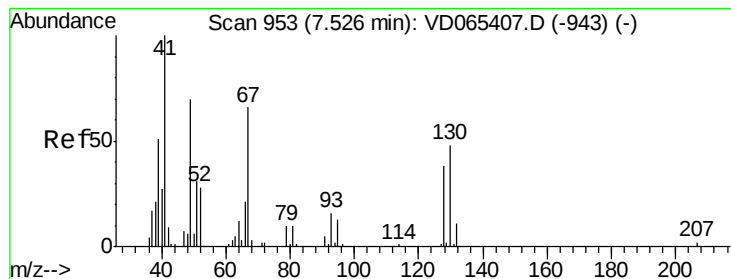
77 24.0 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 20.96 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

Tgt Ion: 41 Resp: 28329

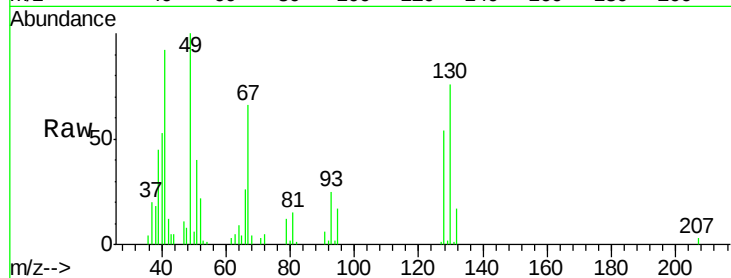
Ion Ratio Lower Upper

41 100

39 54.7 55.0 82.6#

67 77.7 70.3 105.5

52 31.3 30.7 46.1

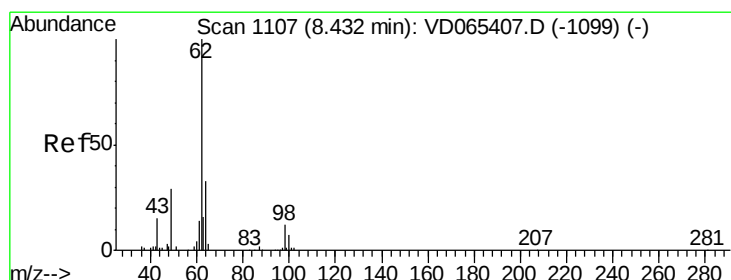
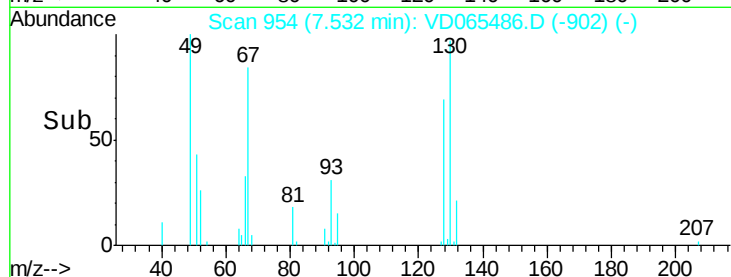
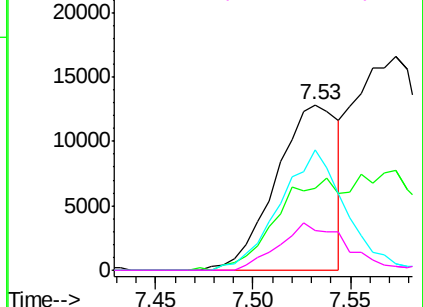


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.08 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065486.D

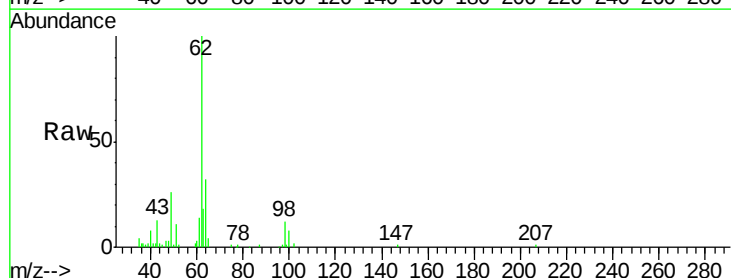
Acq: 12 Mar 2020 12:19

Tgt Ion: 62 Resp: 101737

Ion Ratio Lower Upper

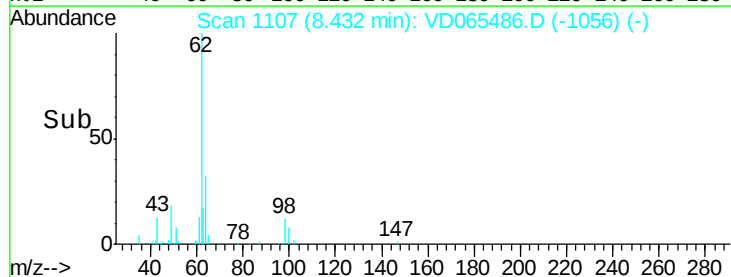
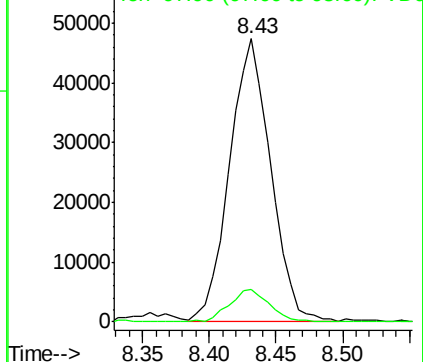
62 100

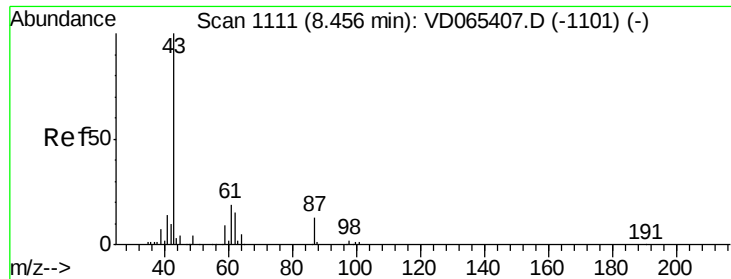
98 11.2 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

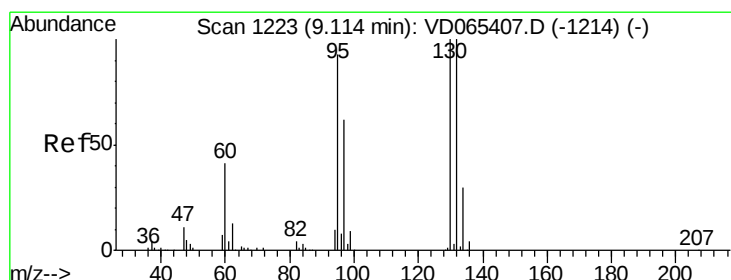
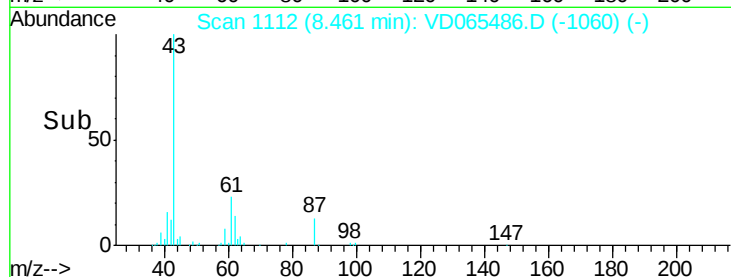
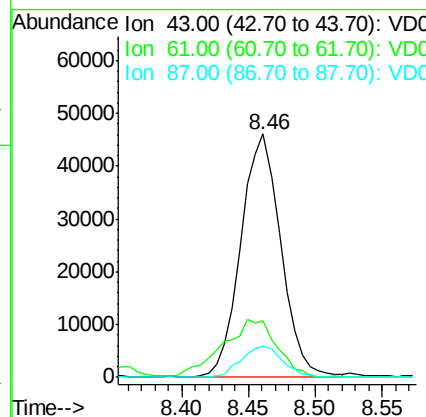
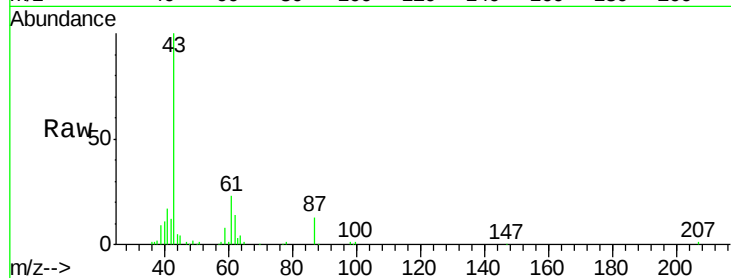




#43
Isopropyl Acetate
Concen: 20.37 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

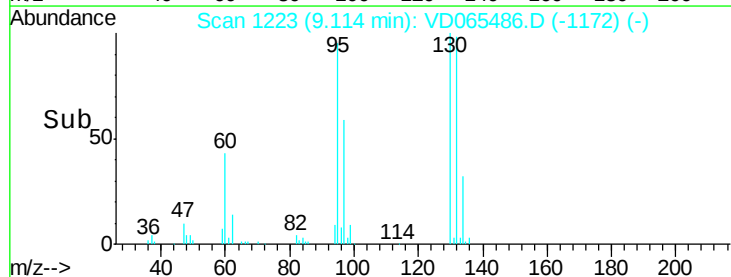
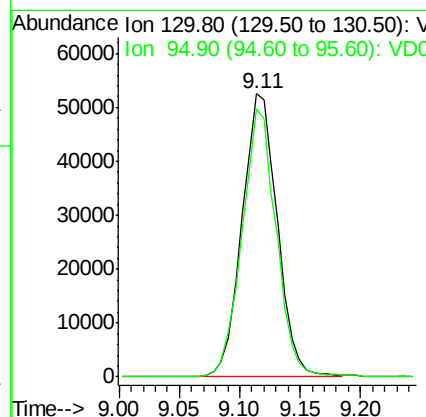
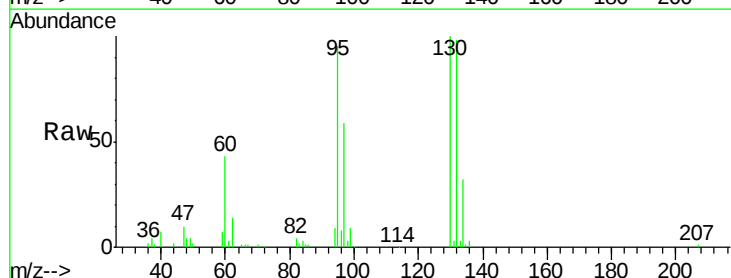
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

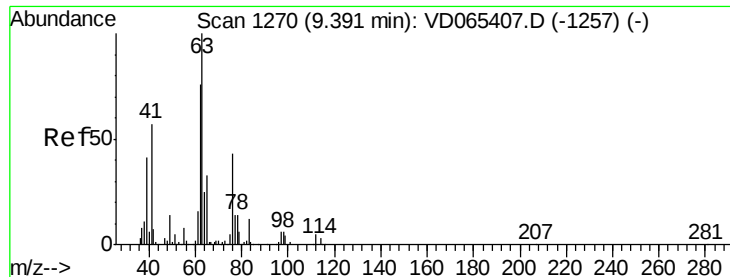
Tgt Ion: 43 Resp: 96123
Ion Ratio Lower Upper
43 100
61 32.5 25.0 37.6
87 13.3 11.0 16.4



#44
Trichloroethene
Concen: 20.54 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 130 Resp: 107223
Ion Ratio Lower Upper
130 100
95 94.7 0.0 186.0





#45

1,2-Dichloropropane

Concen: 21.28 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

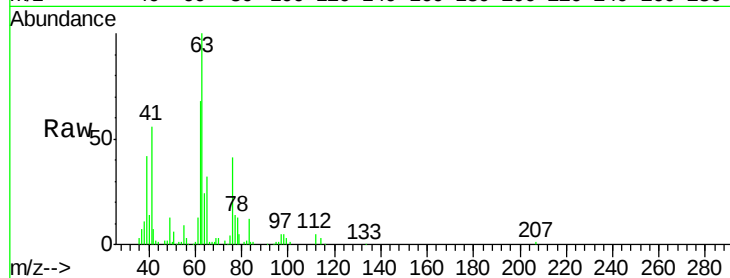
VD0312SBSD01

Tgt Ion: 63 Resp: 95284

Ion Ratio Lower Upper

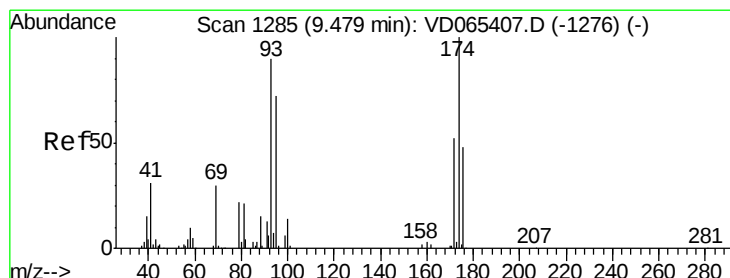
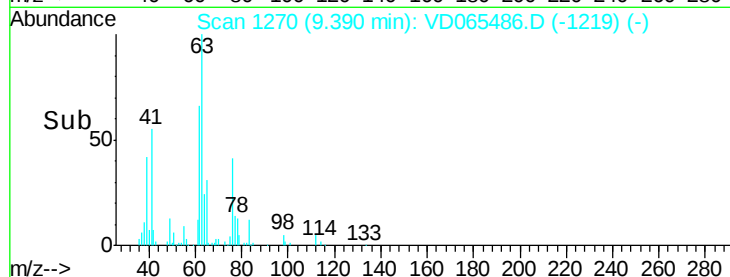
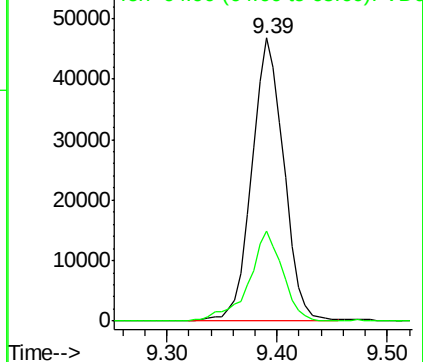
63 100

65 31.7 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.46 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

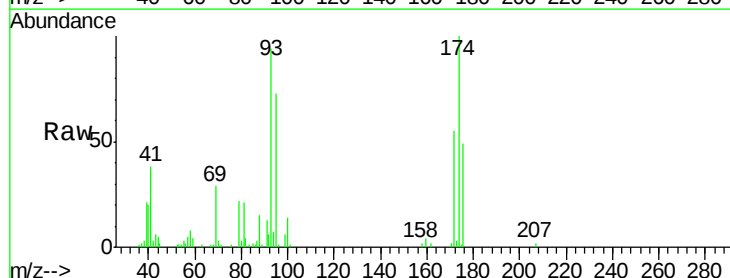
Tgt Ion: 93 Resp: 49851

Ion Ratio Lower Upper

93 100

95 83.6 65.0 97.6

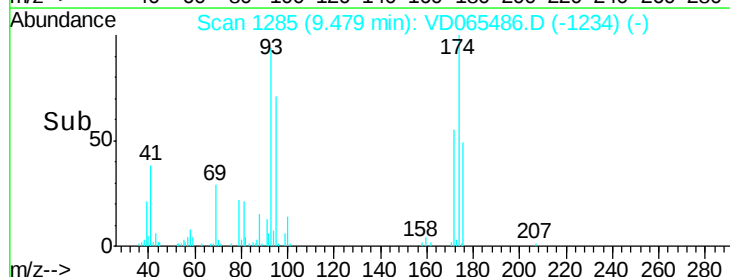
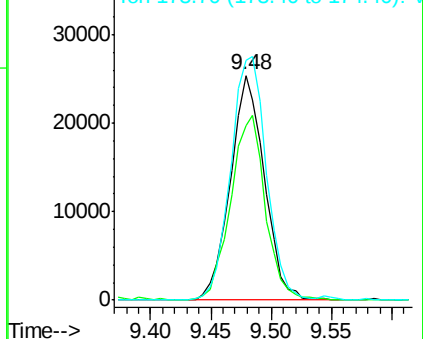
174 113.8 88.3 132.5

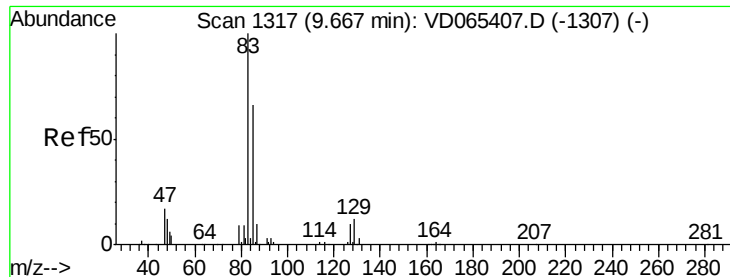


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 21.40 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

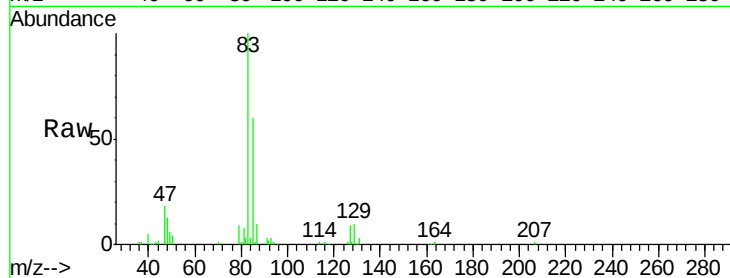
Tgt Ion: 83 Resp: 129323

Ion Ratio Lower Upper

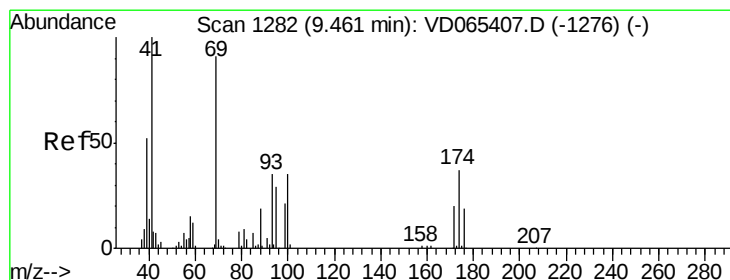
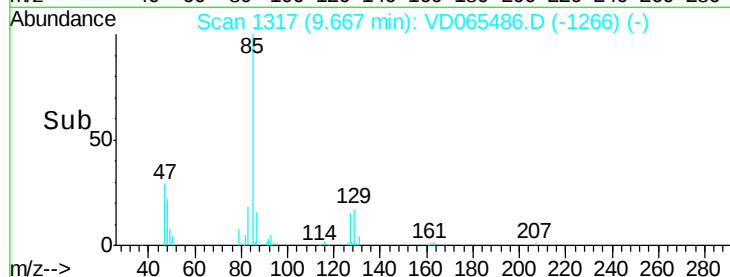
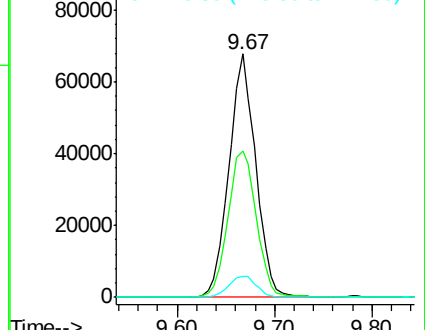
83 100

85 60.1 52.8 79.2

127 8.7 8.0 12.0



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: 19.86 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

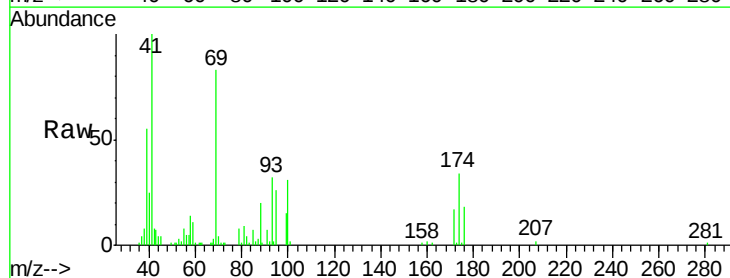
Tgt Ion: 41 Resp: 44068

Ion Ratio Lower Upper

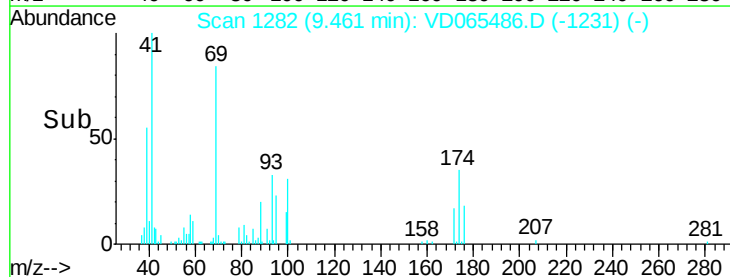
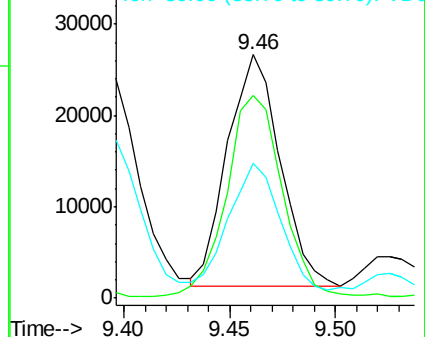
41 100

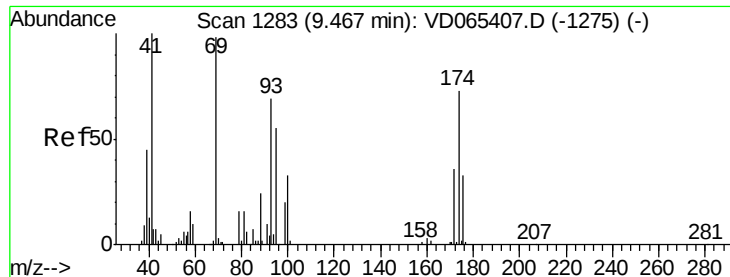
69 94.2 72.5 108.7

39 54.2 41.6 62.4



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

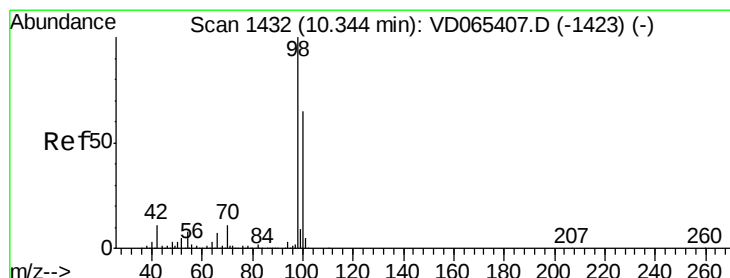
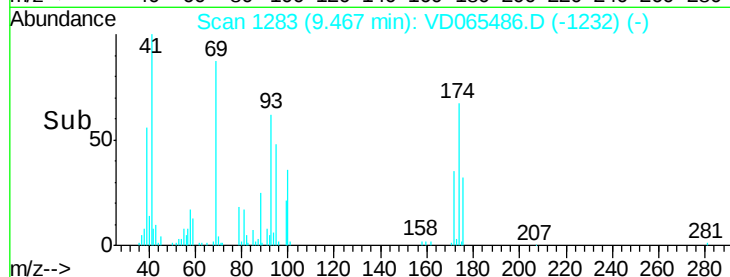
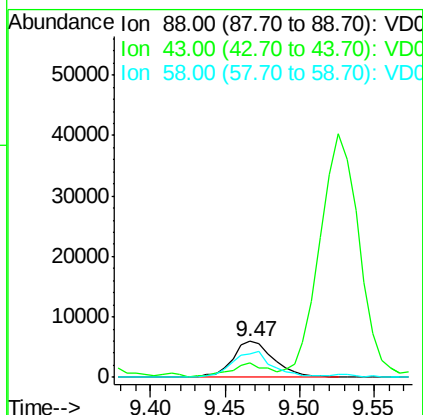
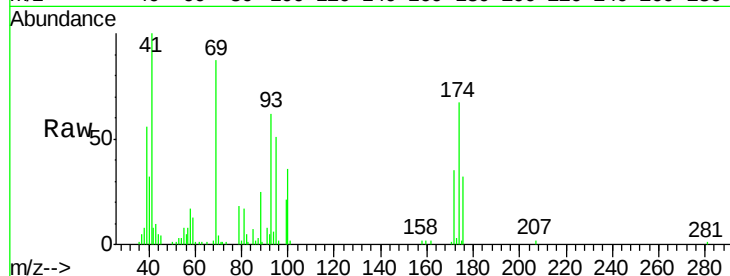




#49
1,4-Dioxane
Concen: 429.56 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

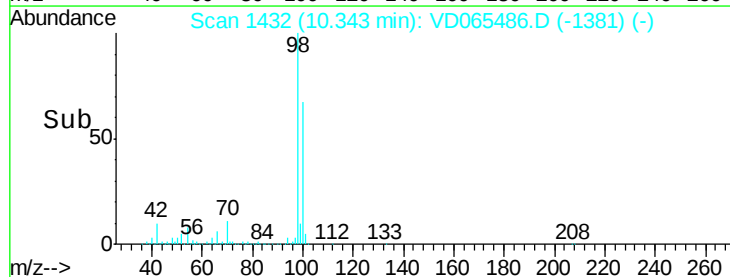
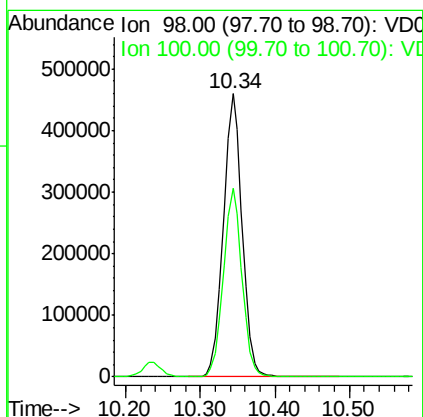
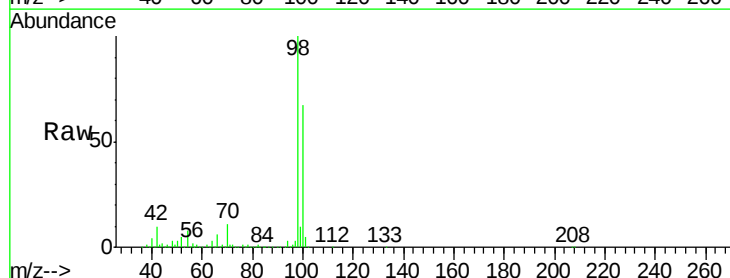
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

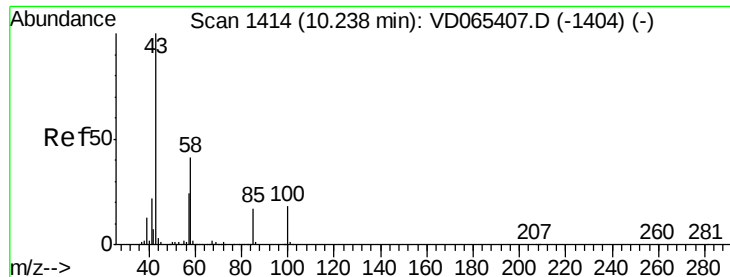
Tgt Ion: 88 Resp: 11412
Ion Ratio Lower Upper
88 100
43 30.2 24.5 36.7
58 69.1 54.5 81.7



#50
Toluene-d8
Concen: 49.45 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 98 Resp: 809090
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2

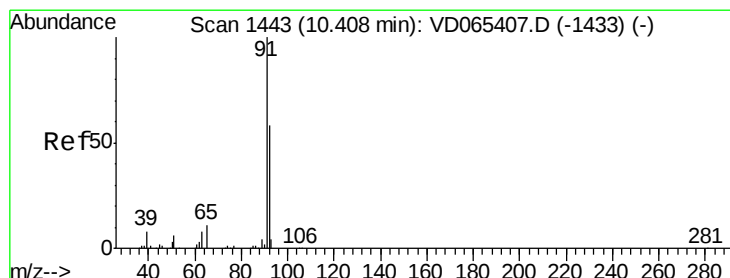
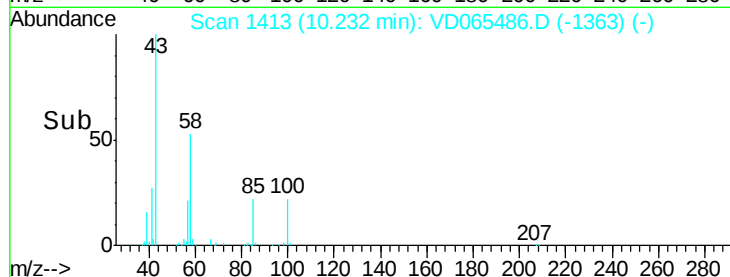
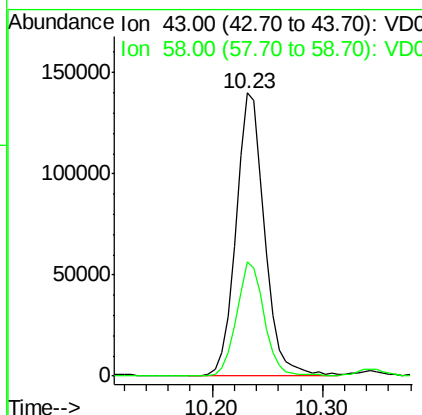
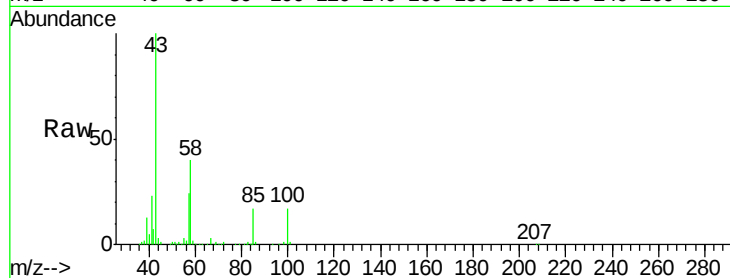




#51
 4-Methyl-2-Pentanone
 Concen: 107.18 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

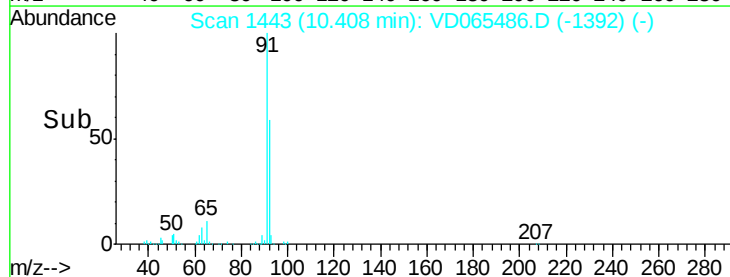
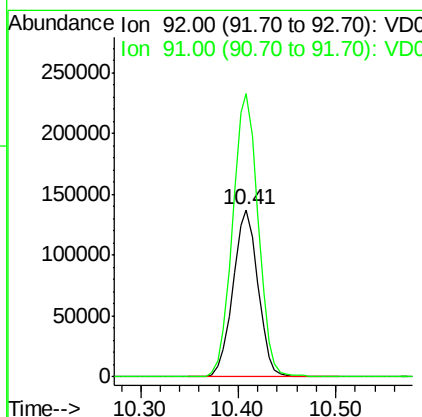
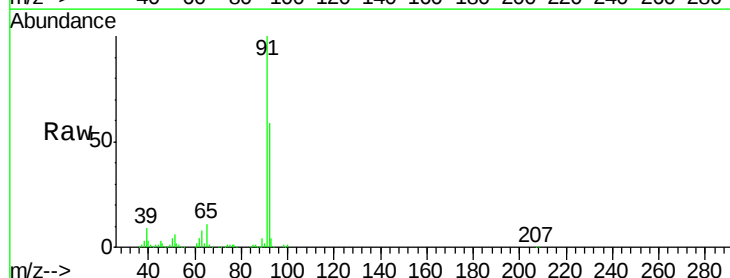
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

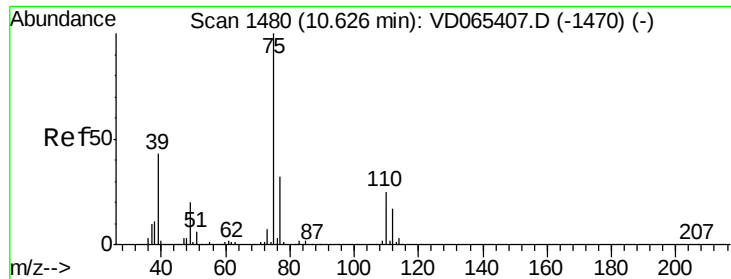
Tgt Ion: 43 Resp: 254476
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.6



#52
 Toluene
 Concen: 21.08 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion: 92 Resp: 245420
 Ion Ratio Lower Upper
 92 100
 91 172.6 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 21.05 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

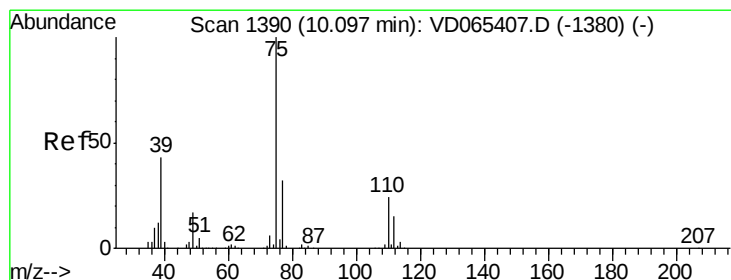
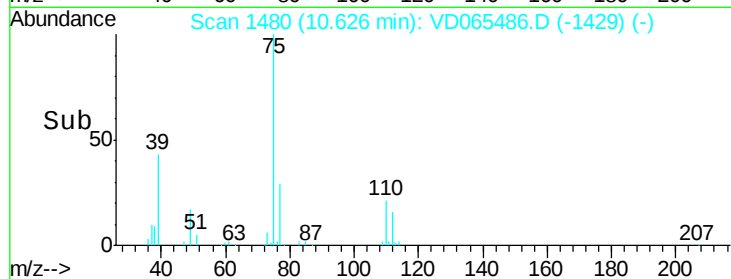
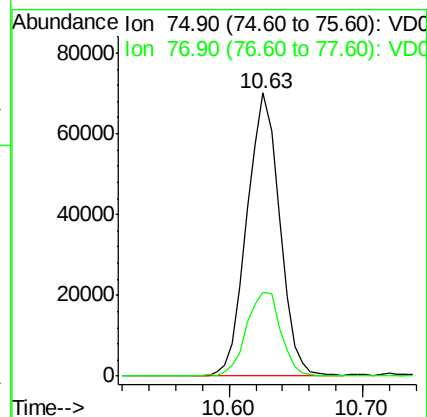
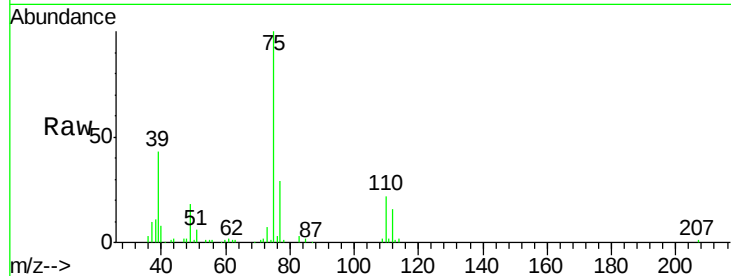
VD0312SBS01

Tgt Ion: 75 Resp: 118858

Ion Ratio Lower Upper

75 100

77 29.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.16 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

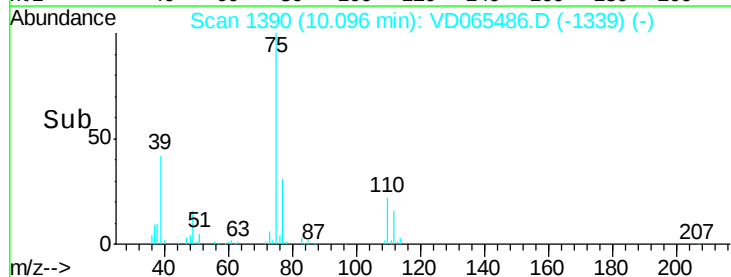
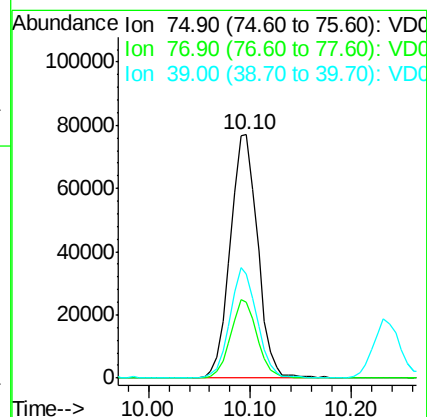
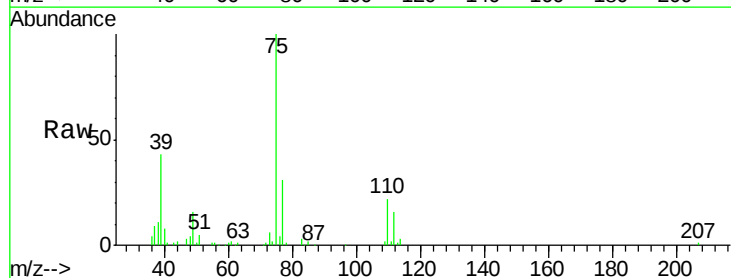
Tgt Ion: 75 Resp: 144595

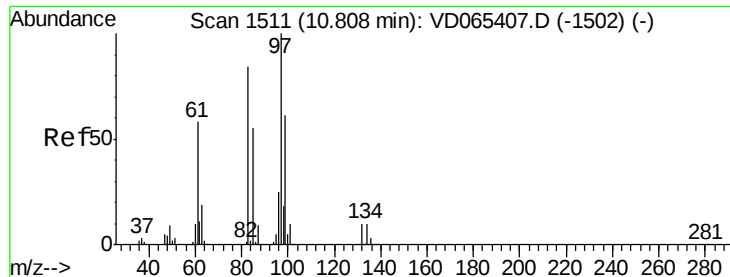
Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9

39 43.0 34.6 52.0

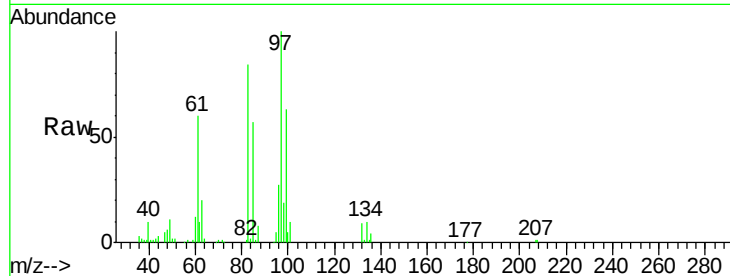




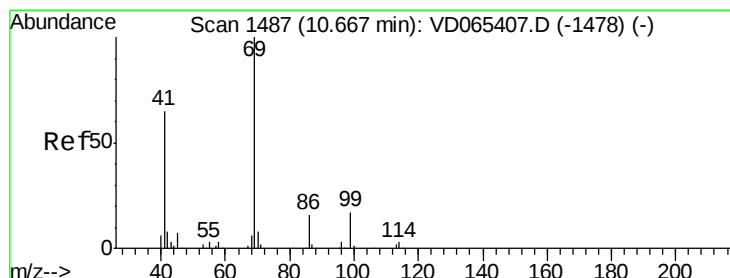
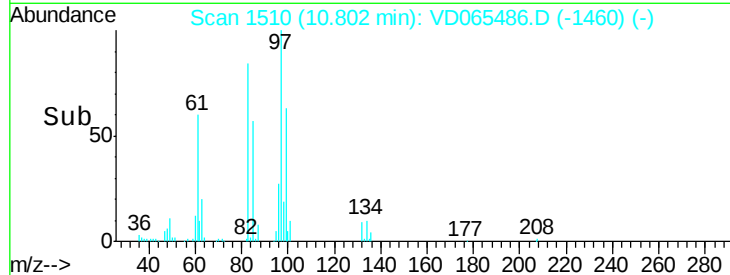
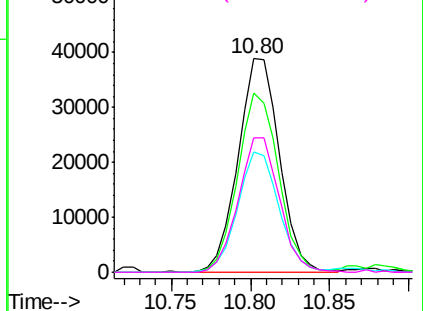
#55
 1,1,2-Trichloroethane
 Concen: 21.47 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tgt Ion:	97	Resp:	70641
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.4	101.0
85	56.6	43.8	65.8
99	63.0	48.8	73.2

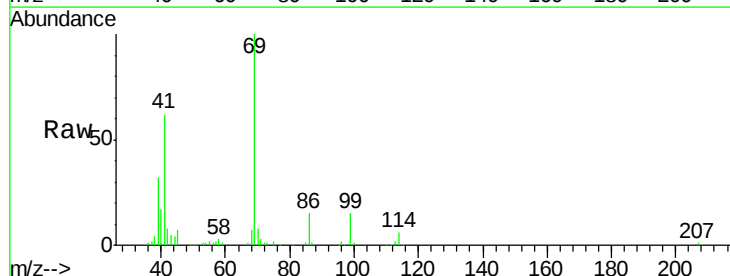


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

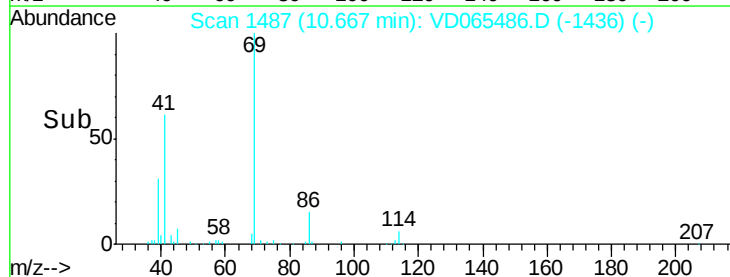
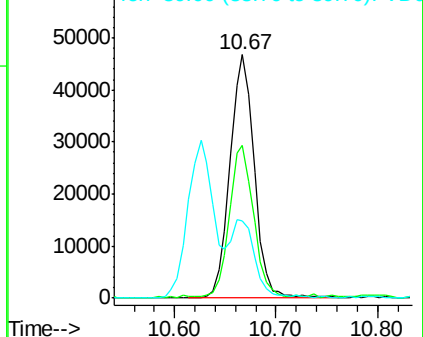


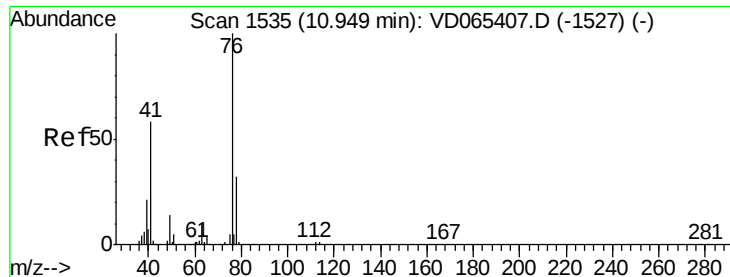
#56
 Ethyl methacrylate
 Concen: 20.98 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion:	69	Resp:	77821
Ion	Ratio	Lower	Upper
69	100		
41	61.0	53.0	79.6
39	32.4	26.0	39.0



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





#57

1,3-Dichloropropane

Concen: 21.58 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

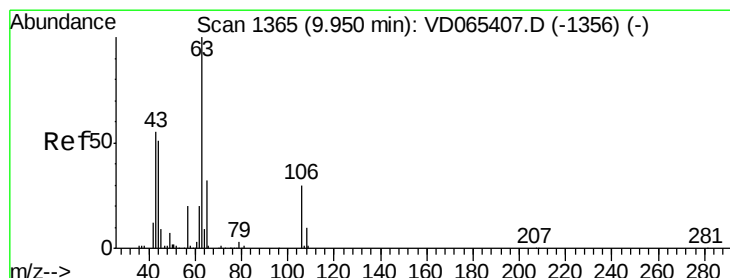
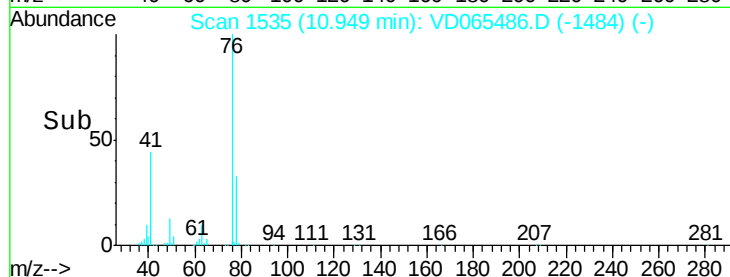
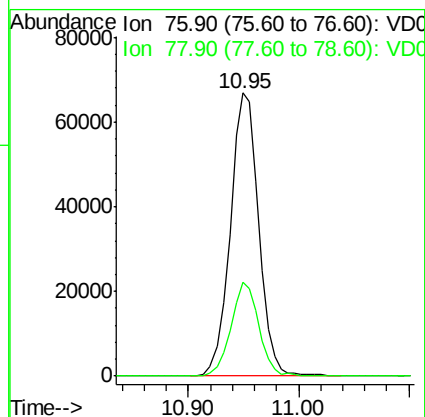
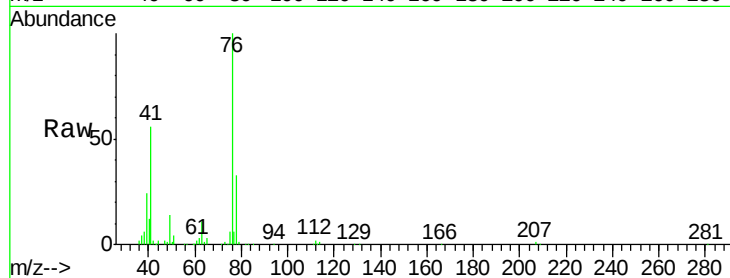
VD0312SBS01

Tgt Ion: 76 Resp: 120087

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 112.48 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065486.D

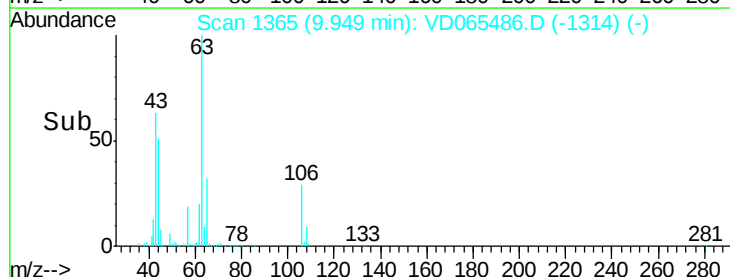
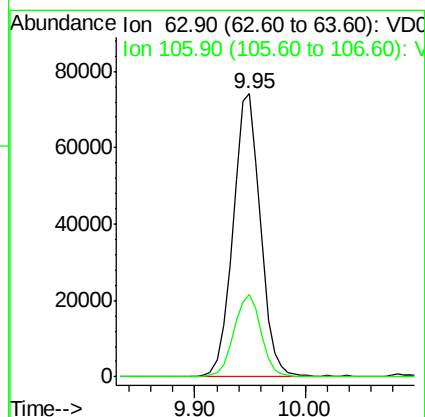
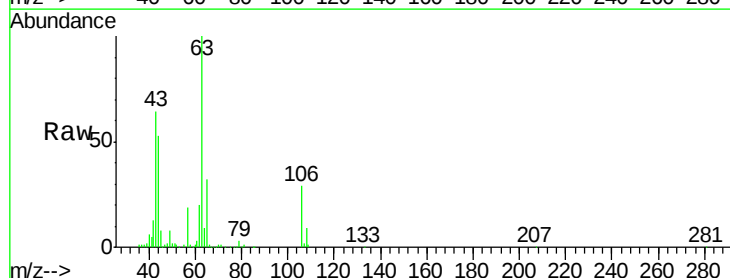
Acq: 12 Mar 2020 12:19

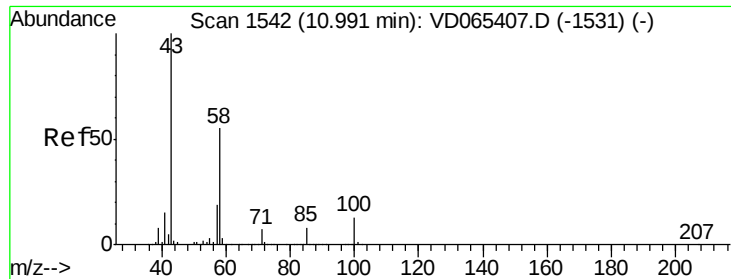
Tgt Ion: 63 Resp: 128966

Ion Ratio Lower Upper

63 100

106 28.9 23.3 34.9

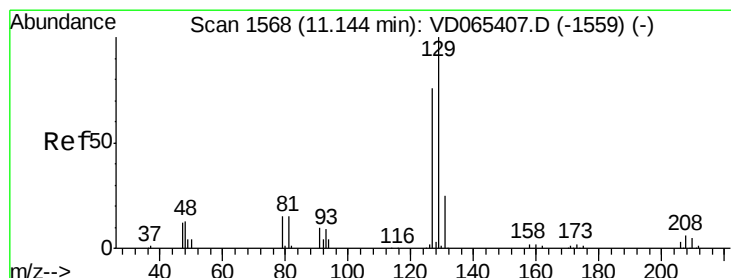
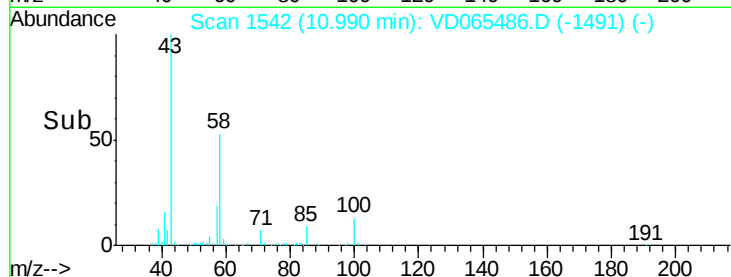
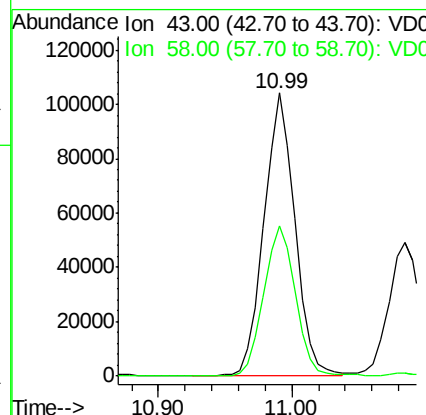
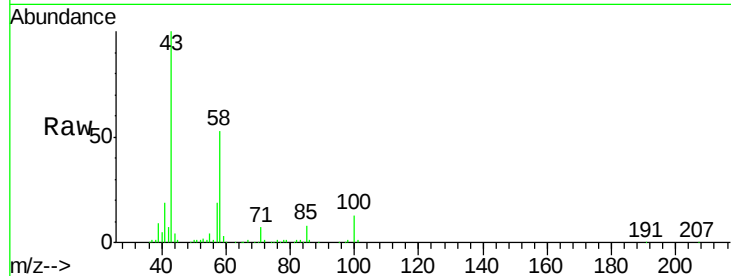




#59
2-Hexanone
Concen: 101.88 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

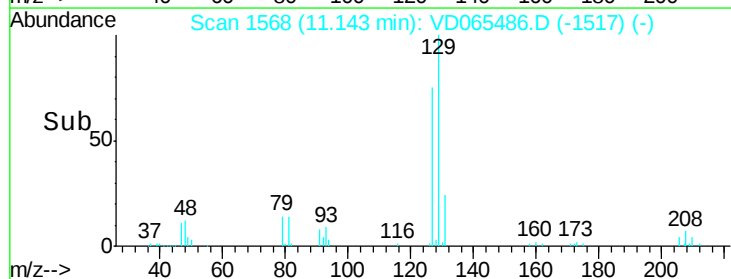
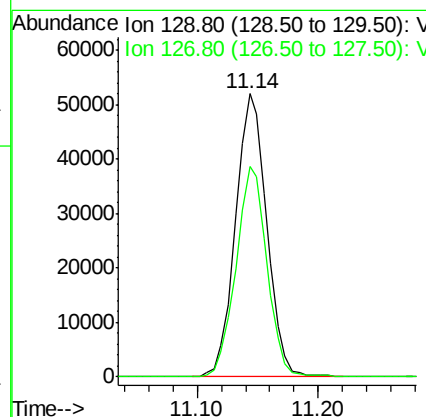
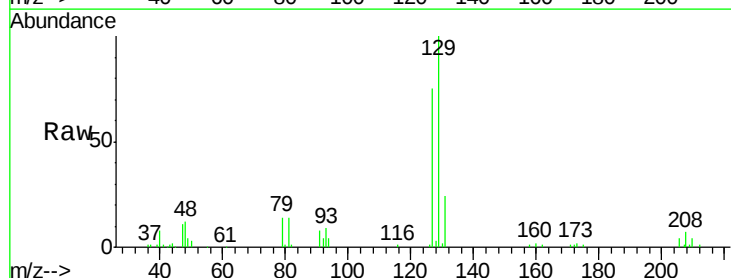
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

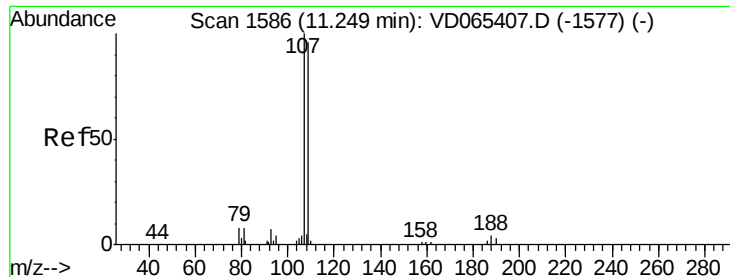
Tgt Ion: 43 Resp: 167448
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.2



#60
Dibromochloromethane
Concen: 22.21 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion: 129 Resp: 93671
Ion Ratio Lower Upper
129 100
127 73.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.80 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

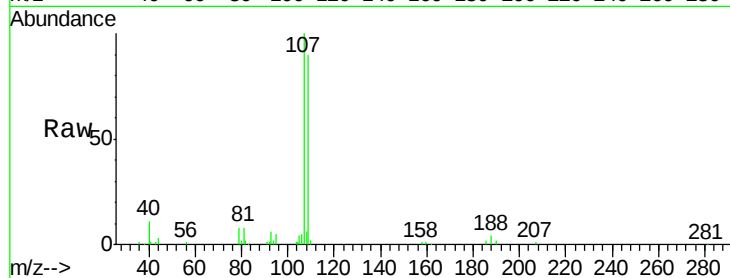
VD0312SBSD01

Tgt Ion: 107 Resp: 68411

Ion Ratio Lower Upper

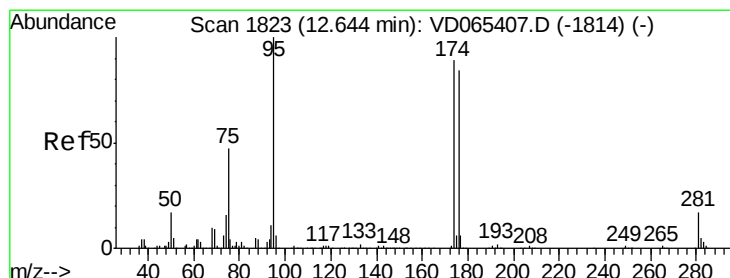
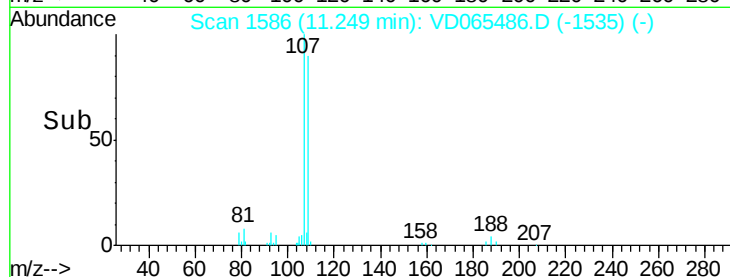
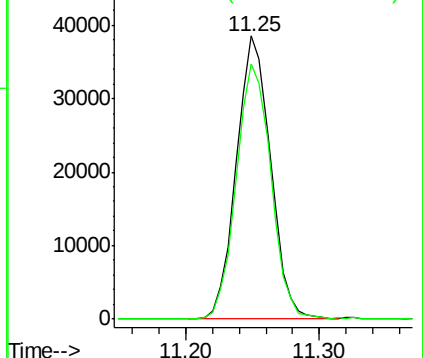
107 100

109 91.2 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.75 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

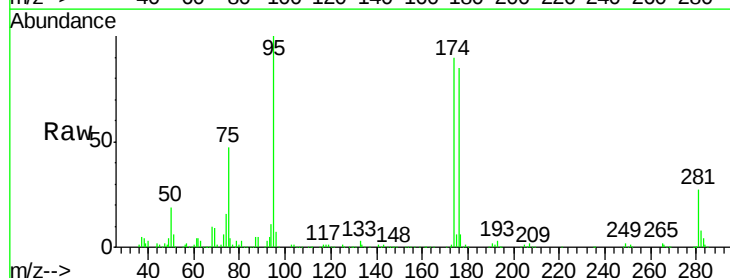
Tgt Ion: 95 Resp: 261420

Ion Ratio Lower Upper

95 100

174 89.2 0.0 176.8

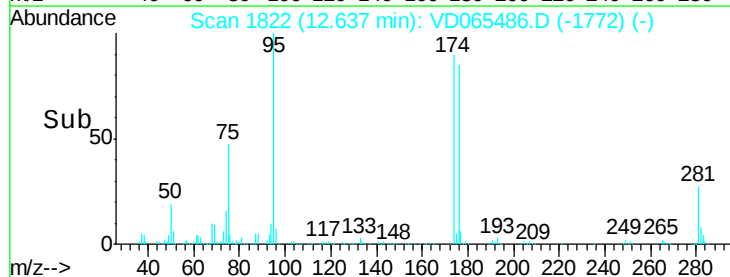
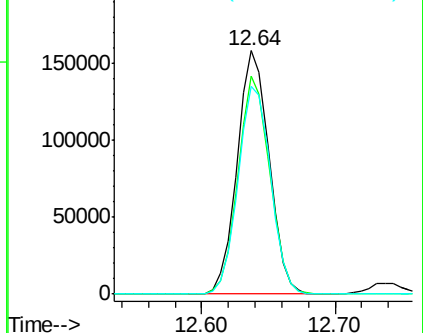
176 87.1 0.0 171.4

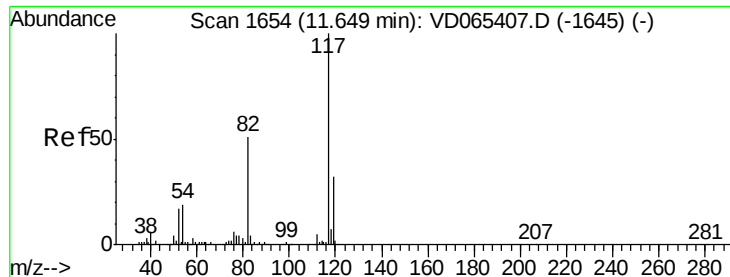


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

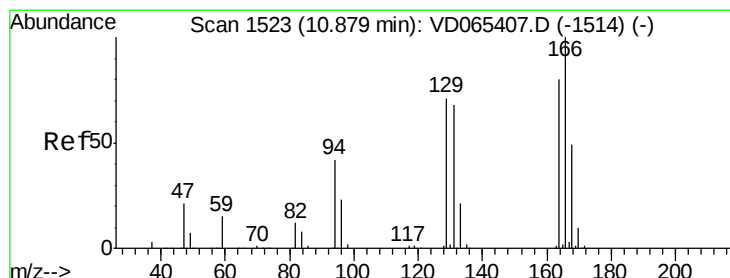
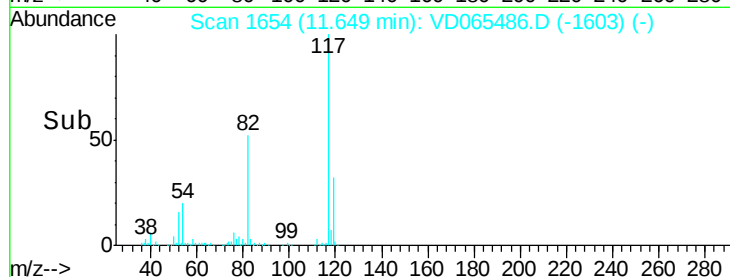
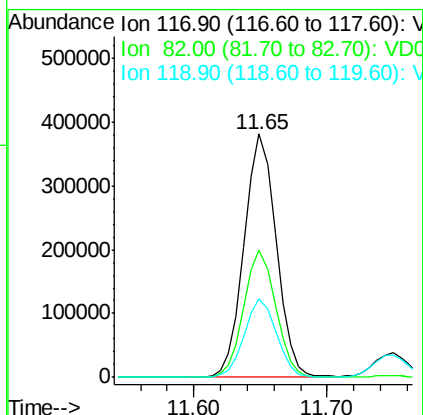
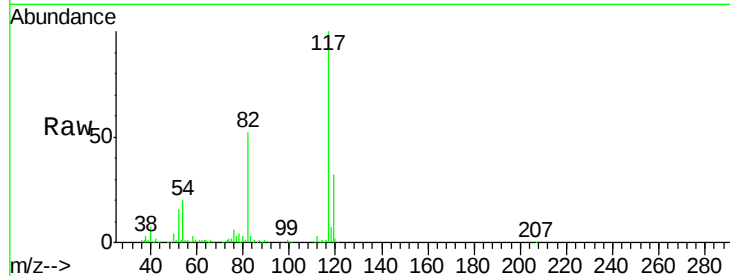




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

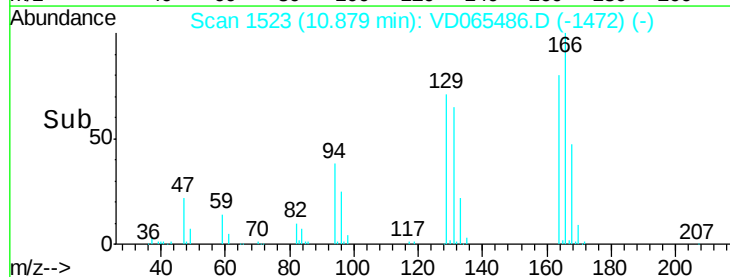
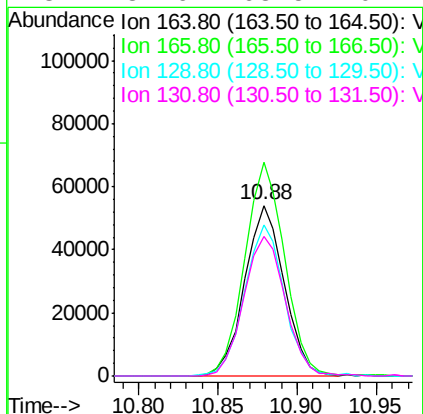
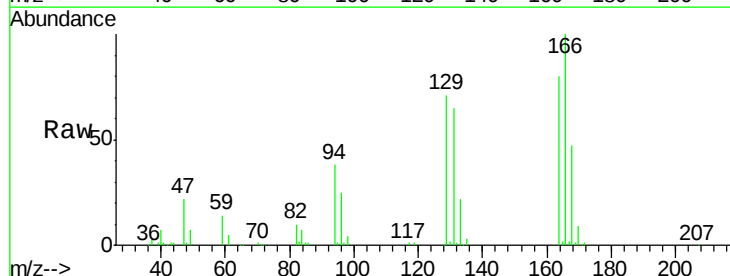
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

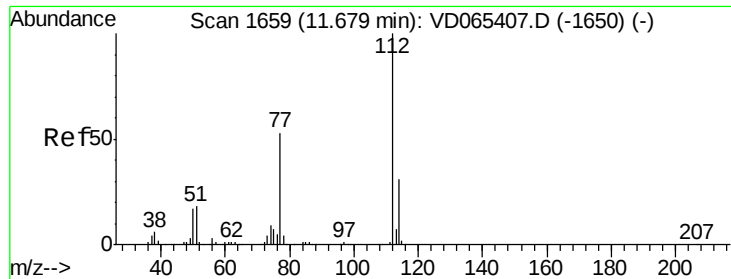
Tgt Ion:117 Resp: 636188
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 20.47 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion:164 Resp: 93322
Ion Ratio Lower Upper
164 100
166 125.3 100.5 150.7
129 88.9 71.5 107.3
131 81.6 68.5 102.7

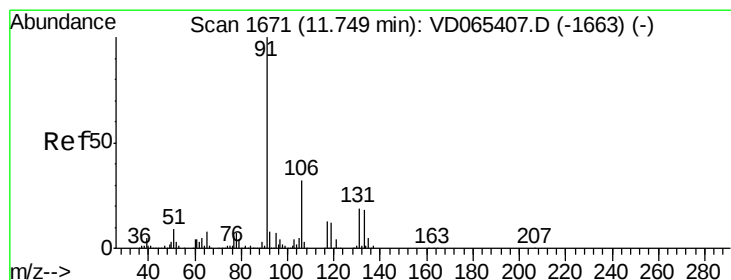
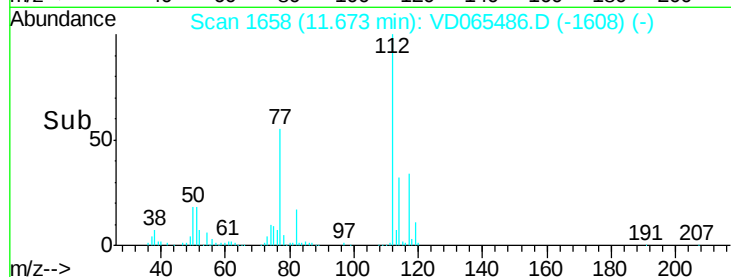
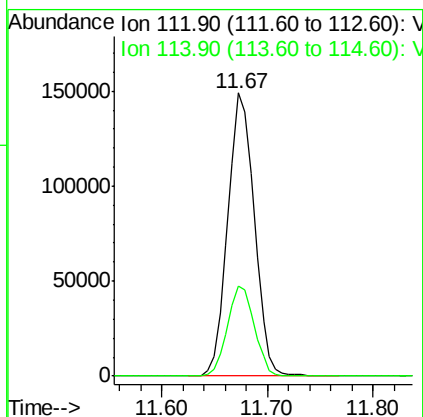
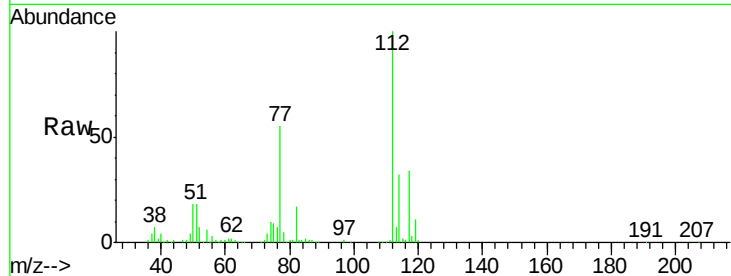




#65
Chlorobenzene
Concen: 20.59 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

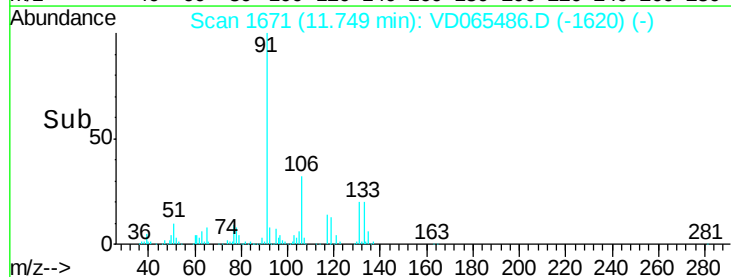
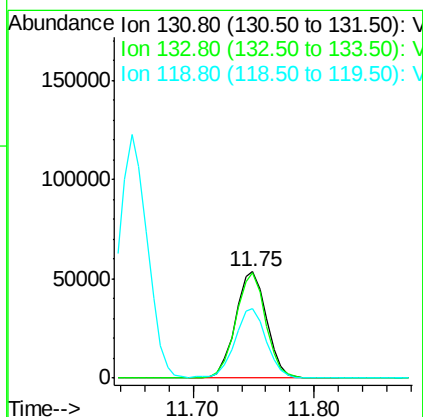
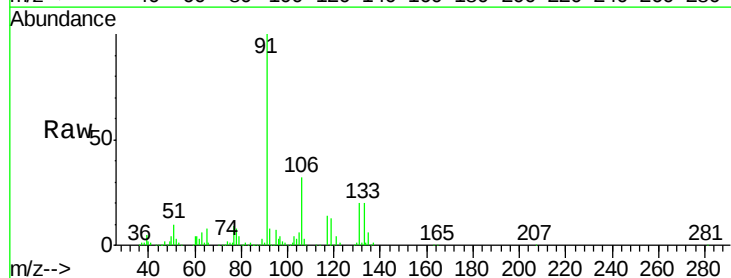
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

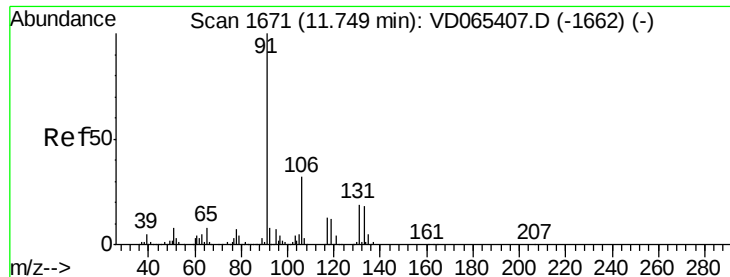
Tgt Ion:112 Resp: 259218
Ion Ratio Lower Upper
112 100
114 31.6 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.06 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion:131 Resp: 96543
Ion Ratio Lower Upper
131 100
133 95.8 49.2 147.6
119 65.7 33.3 99.8





#67

Ethyl Benzene

Concen: 20.23 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

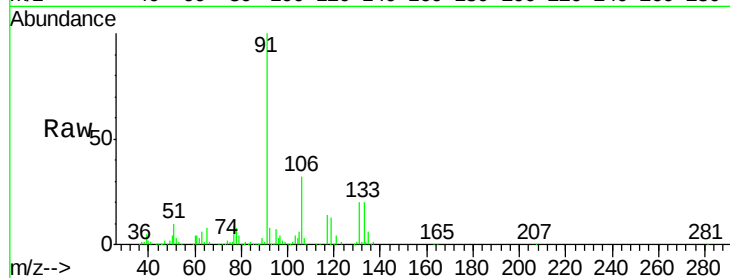
VD0312SBSD01

Tgt Ion: 91 Resp: 440046

Ion Ratio Lower Upper

91 100

106 31.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

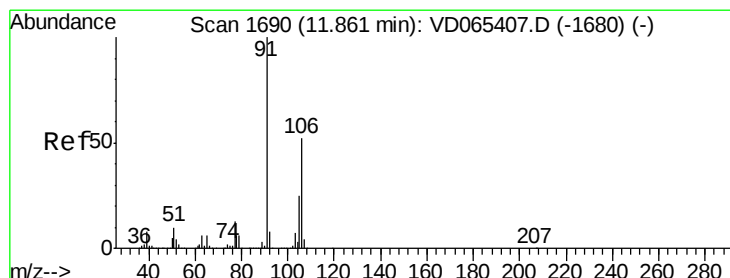
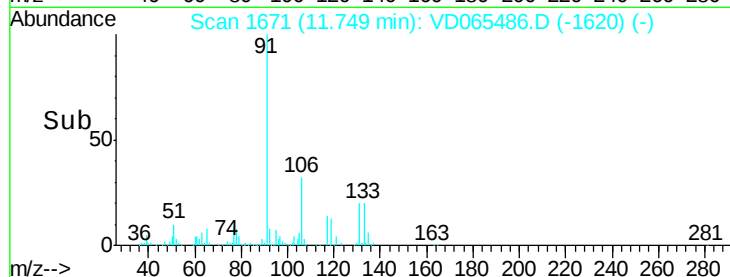
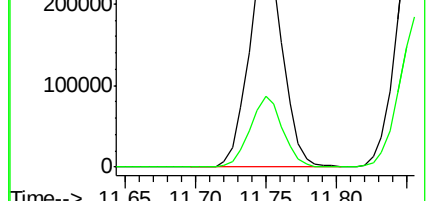
300000

200000

100000

0

11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 42.24 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065486.D

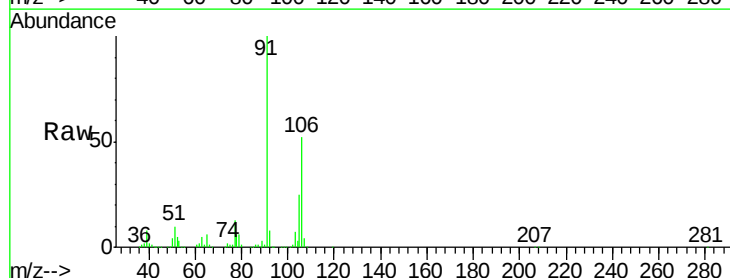
Acq: 12 Mar 2020 12:19

Tgt Ion: 106 Resp: 354286

Ion Ratio Lower Upper

106 100

91 193.3 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

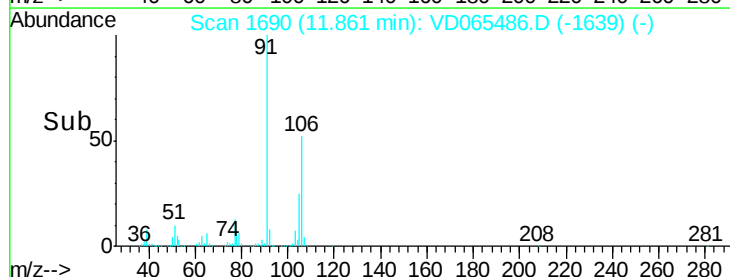
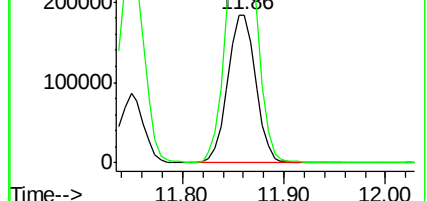
300000

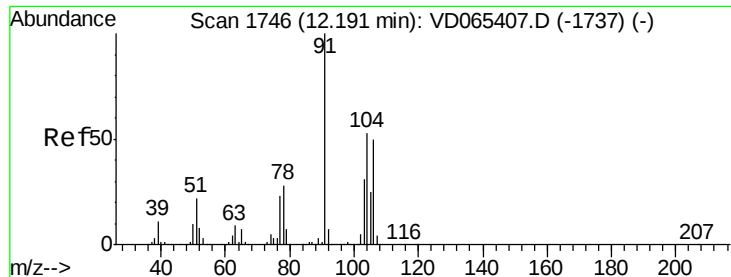
200000

100000

0

11.80 11.86 11.90 12.00

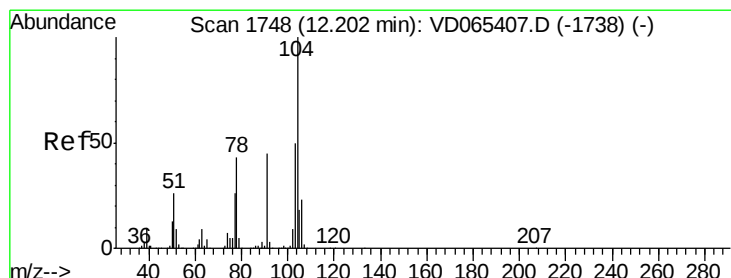
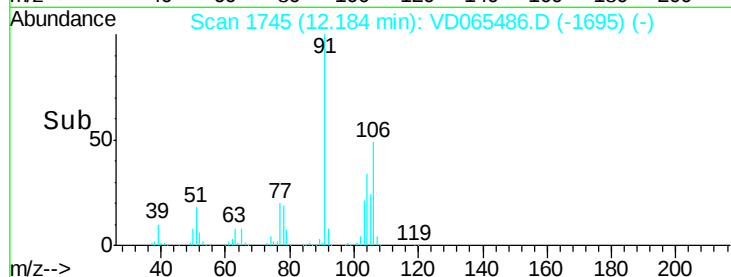
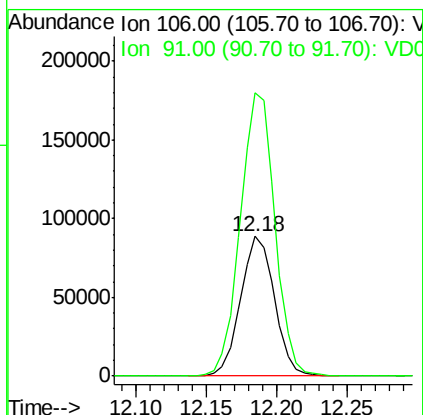
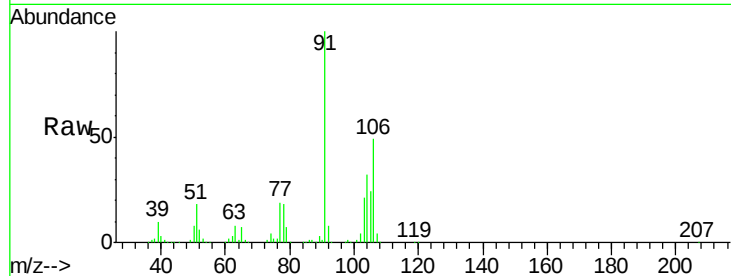




#69
o-Xylene
Concen: 20.24 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

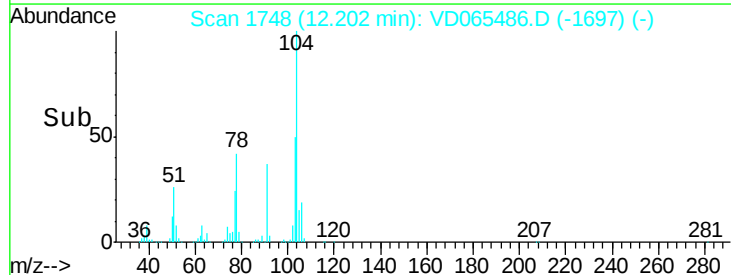
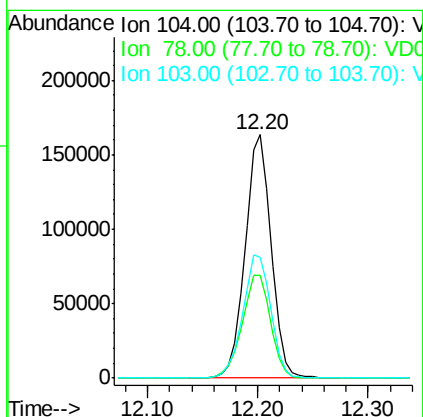
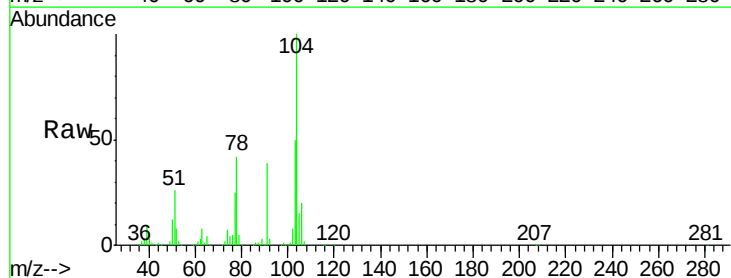
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

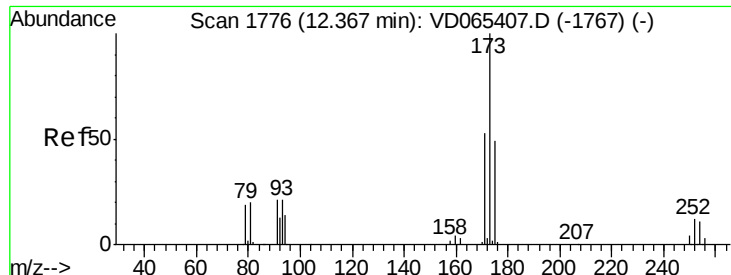
Tgt Ion:106 Resp: 149342
Ion Ratio Lower Upper
106 100
91 207.2 103.5 310.3



#70
Styrene
Concen: 20.89 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion:104 Resp: 271202
Ion Ratio Lower Upper
104 100
78 46.4 37.7 56.5
103 54.9 43.6 65.4





#71

Bromoform

Concen: 20.89 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

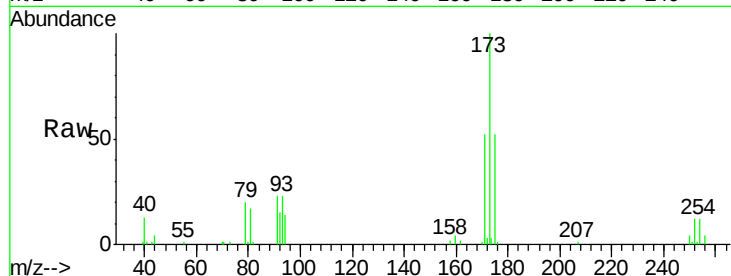
Tgt Ion:173 Resp: 53794

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

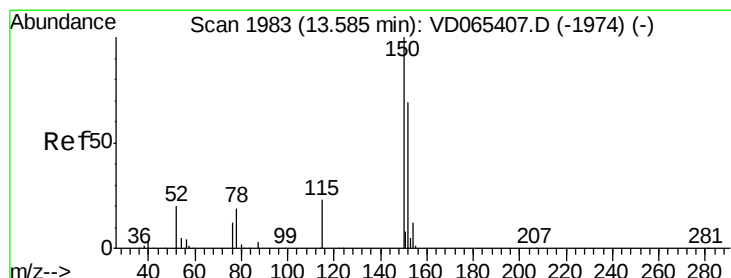
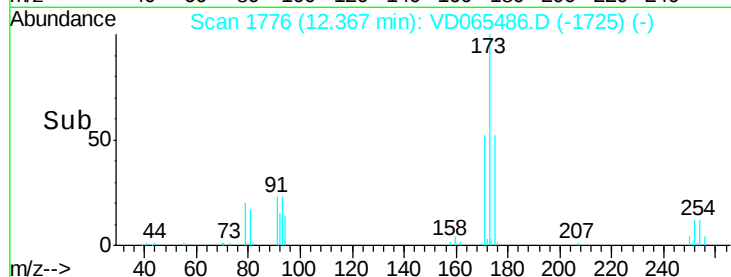
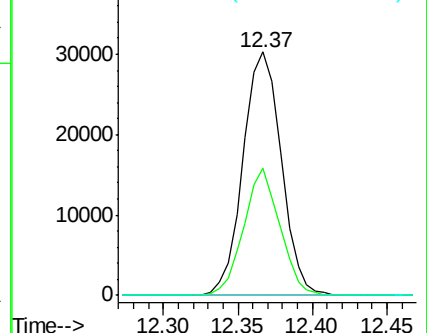
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

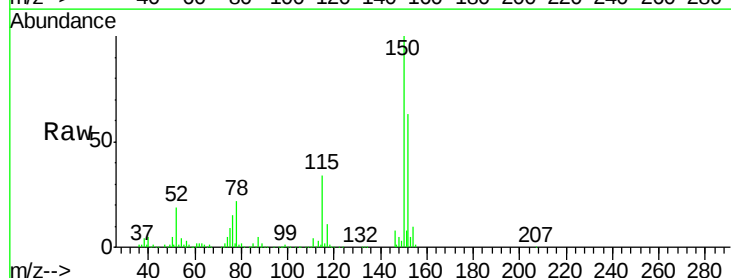
Tgt Ion:152 Resp: 316526

Ion Ratio Lower Upper

152 100

115 55.0 27.6 82.8

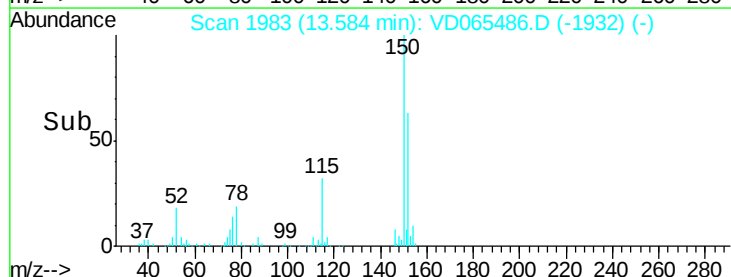
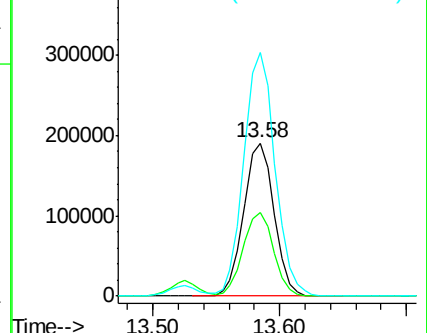
150 164.4 0.0 345.0

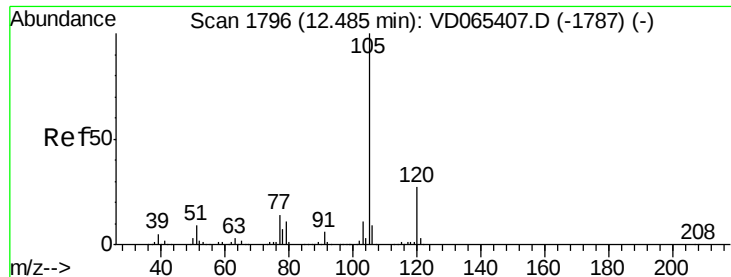


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.88 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

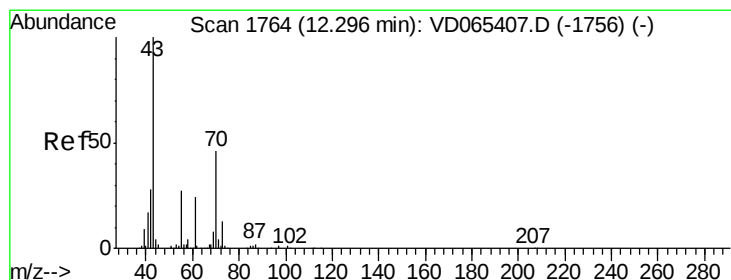
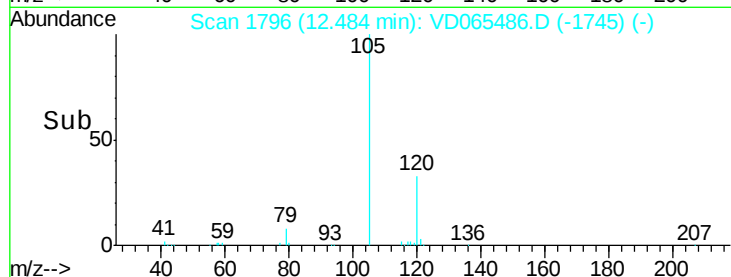
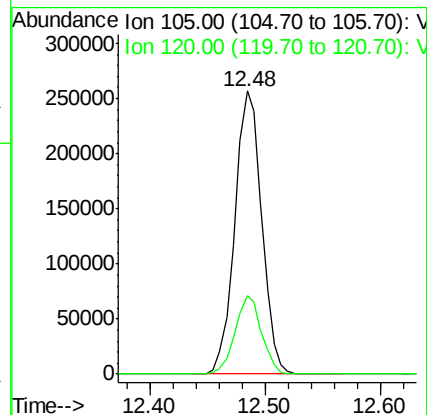
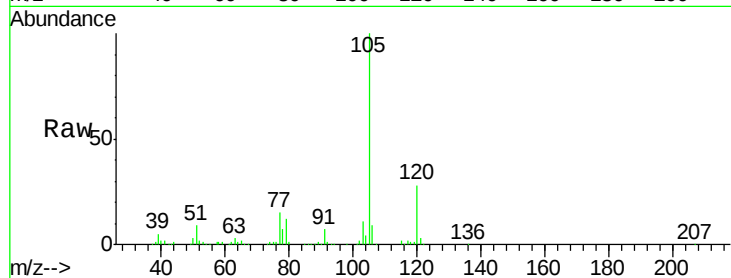
VD0312SBSD01

Tgt Ion:105 Resp: 413861

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4



#74

N-ethyl acetate

Concen: 19.73 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Tgt Ion: 43 Resp: 84078

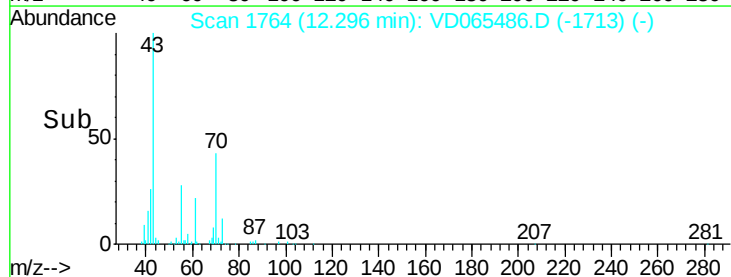
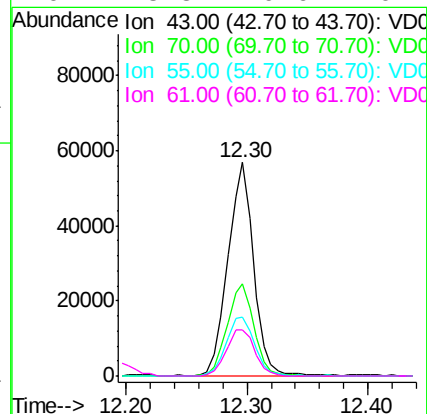
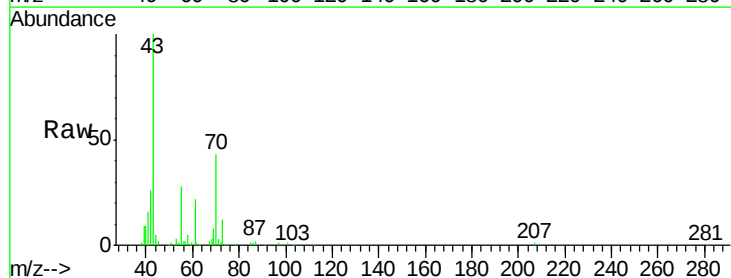
Ion Ratio Lower Upper

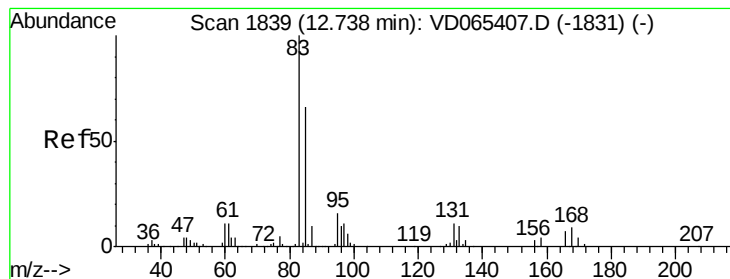
43 100

70 44.6 36.1 54.1

55 30.3 21.6 32.4

61 23.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.84 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

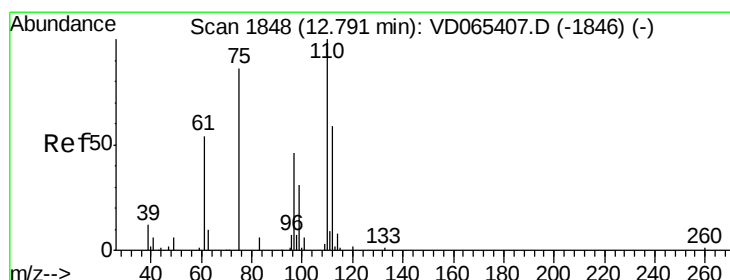
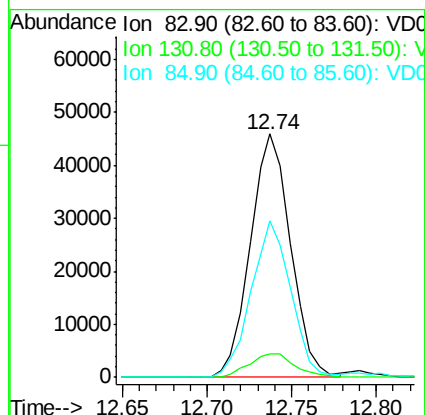
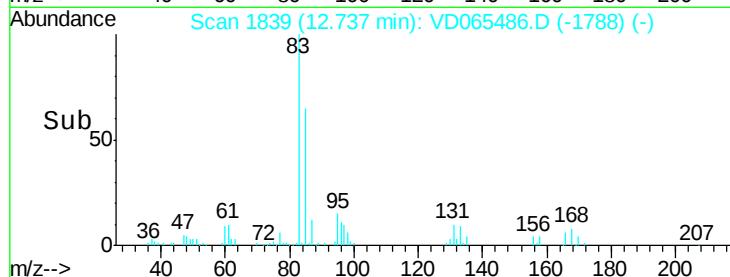
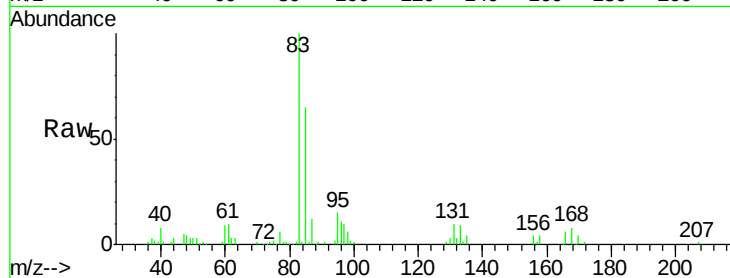
Tgt Ion: 83 Resp: 76259

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

85 63.1 33.0 98.9



#76

1,2,3-Trichloropropane

Concen: 38.32 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065486.D

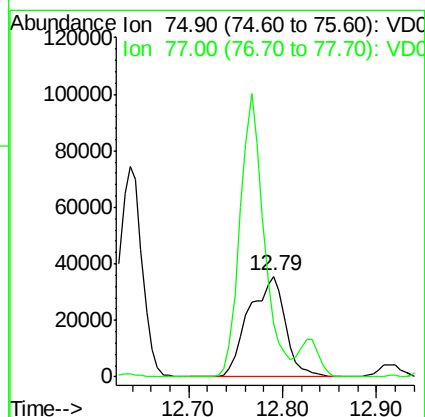
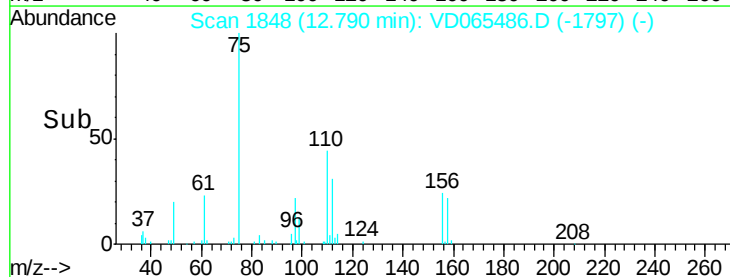
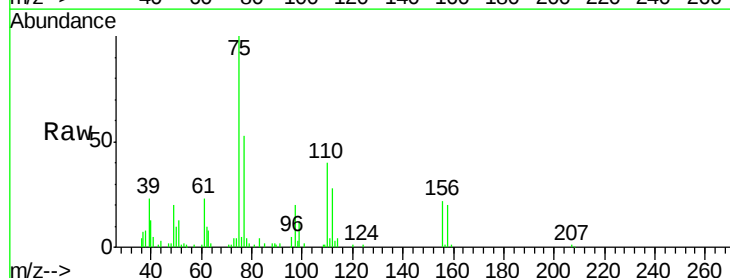
Acq: 12 Mar 2020 12:19

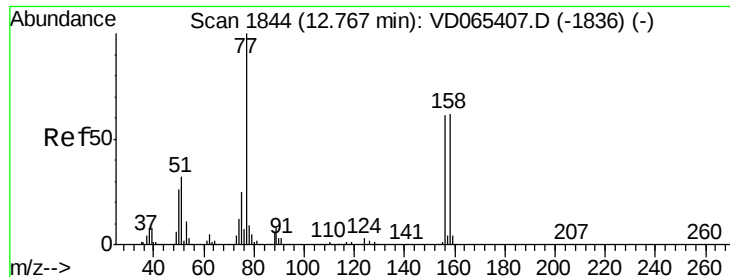
Tgt Ion: 75 Resp: 95718

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.70 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

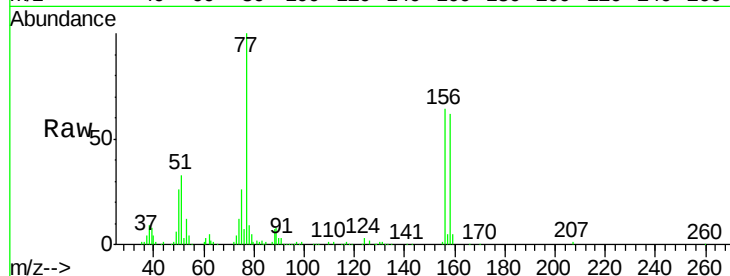
Tgt Ion:156 Resp: 107077

Ion Ratio Lower Upper

156 100

77 166.1 84.9 254.6

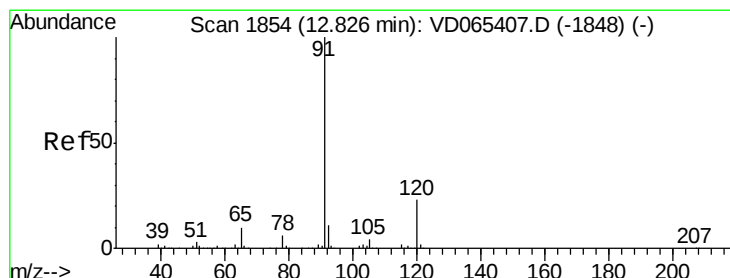
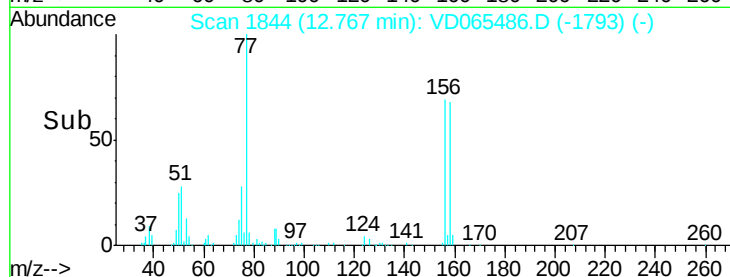
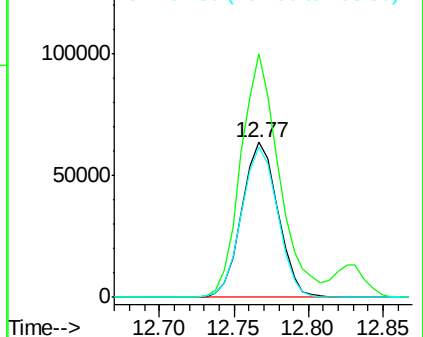
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.45 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065486.D

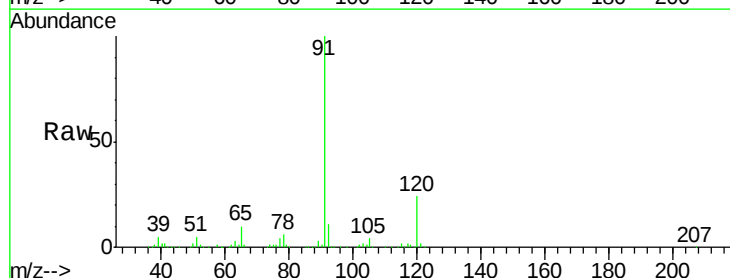
Acq: 12 Mar 2020 12:19

Tgt Ion: 91 Resp: 505151

Ion Ratio Lower Upper

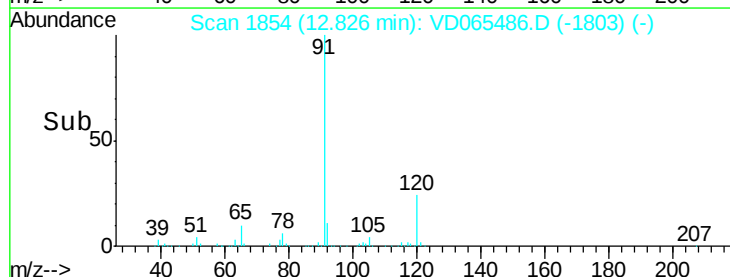
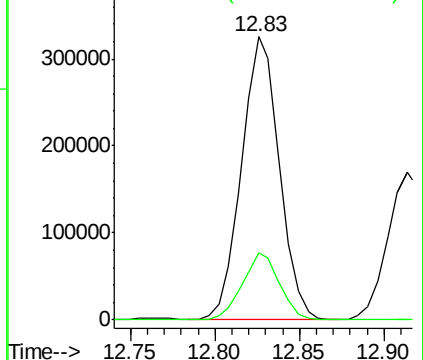
91 100

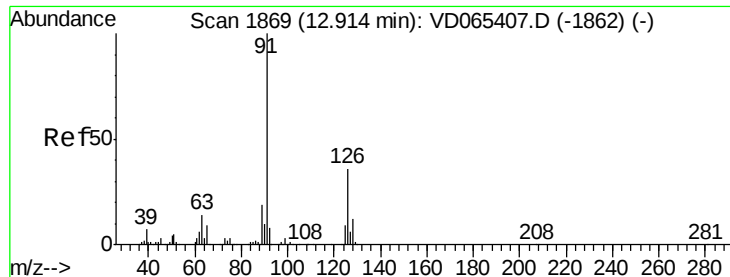
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.29 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

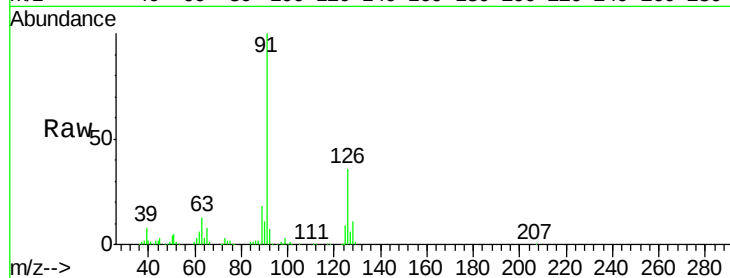
VD0312SBSD01

Tgt Ion: 91 Resp: 282525

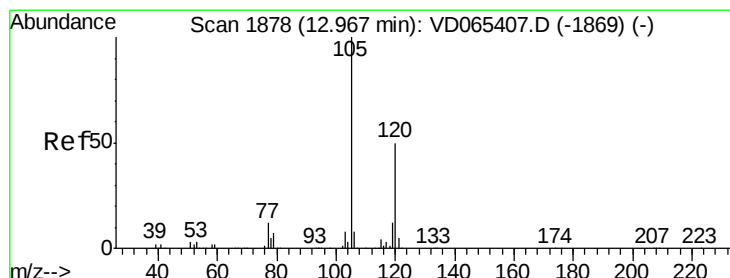
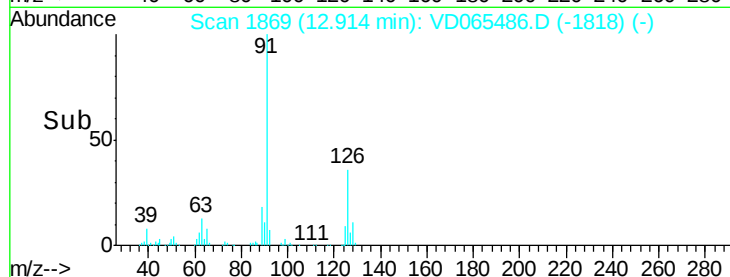
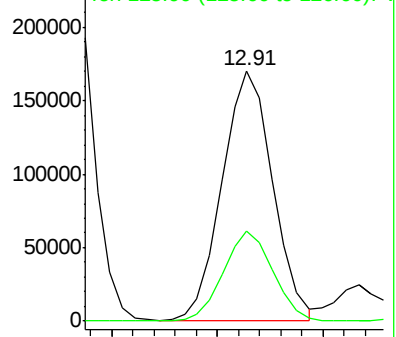
Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.30 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065486.D

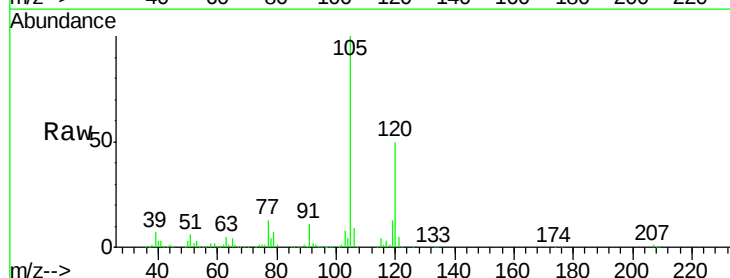
Acq: 12 Mar 2020 12:19

Tgt Ion: 105 Resp: 347383

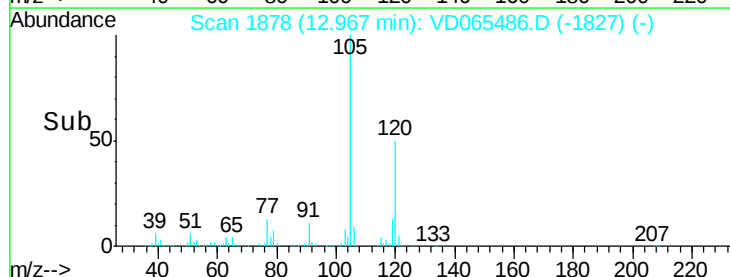
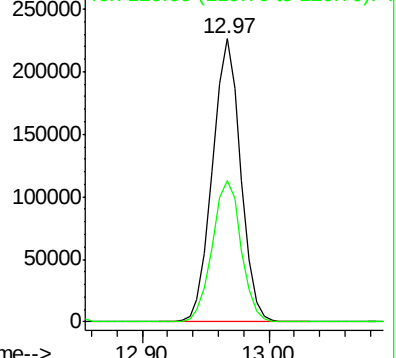
Ion Ratio Lower Upper

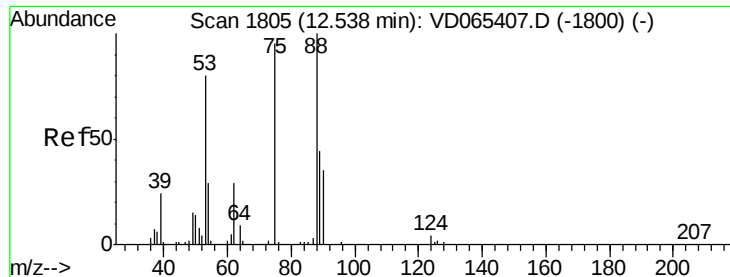
105 100

120 51.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.51 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

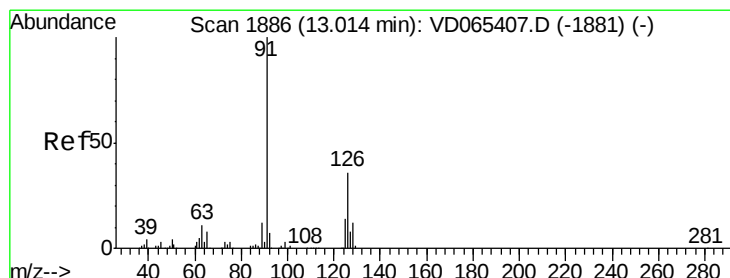
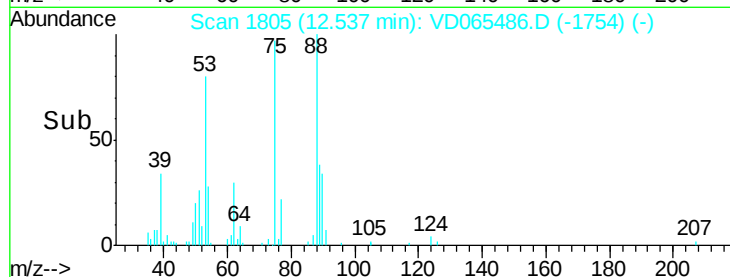
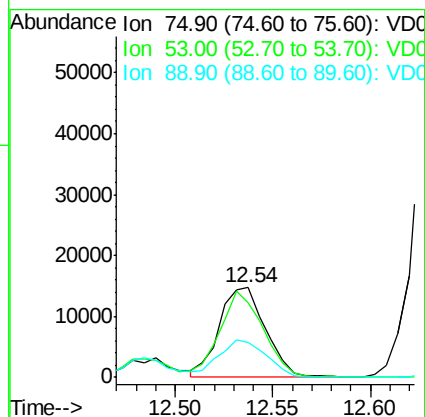
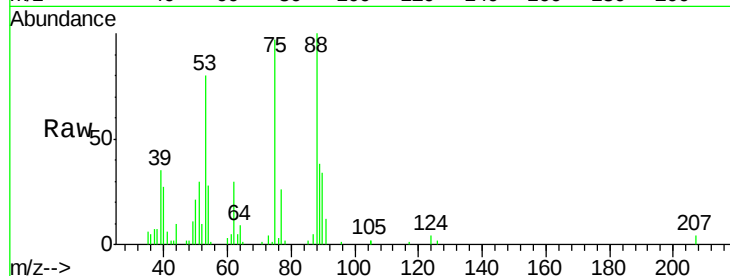
Tgt Ion: 75 Resp: 24269

Ion Ratio Lower Upper

75 100

53 90.9 71.3 106.9

89 42.4 37.0 55.6



#82

4-Chlorotoluene

Concen: 20.85 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065486.D

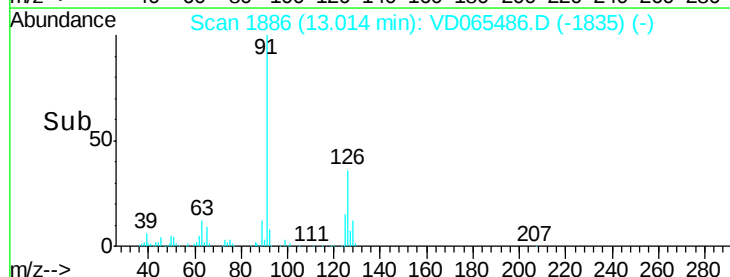
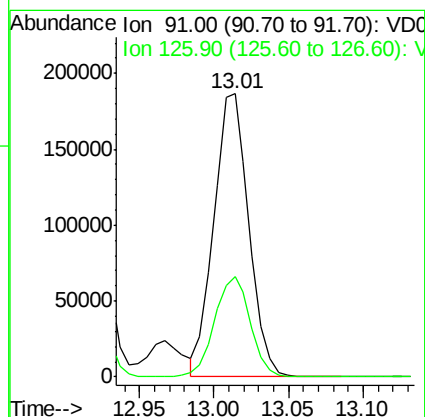
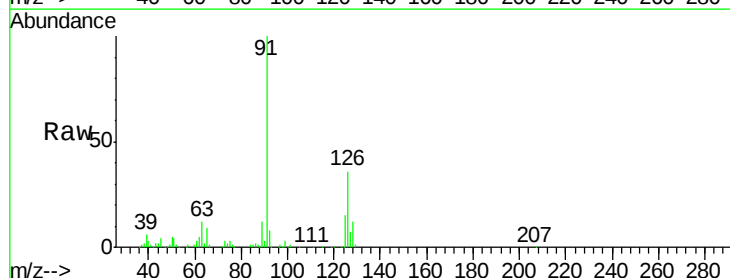
Acq: 12 Mar 2020 12:19

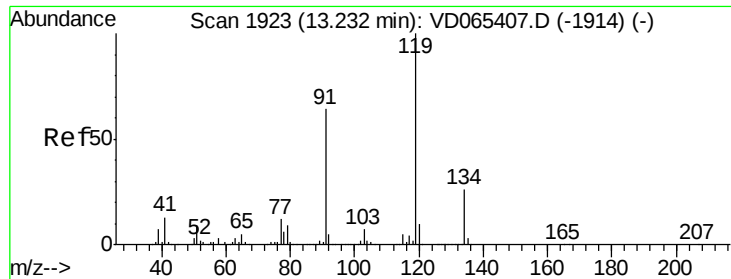
Tgt Ion: 91 Resp: 305008

Ion Ratio Lower Upper

91 100

126 36.0 17.6 52.8

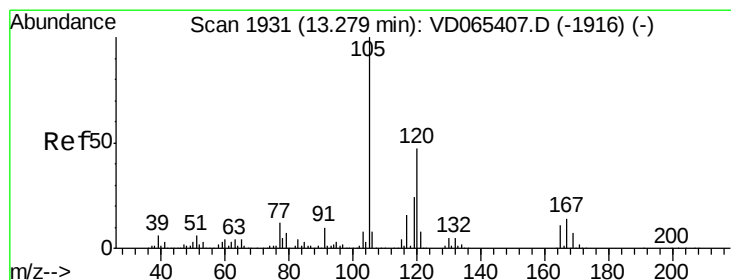
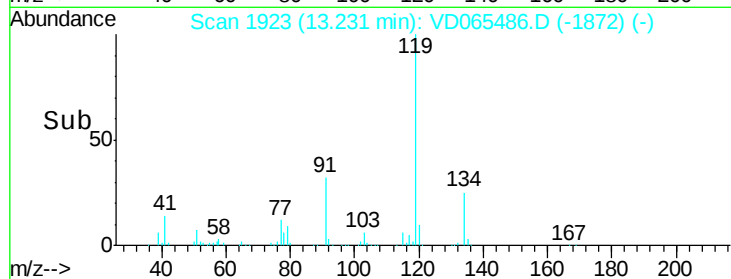
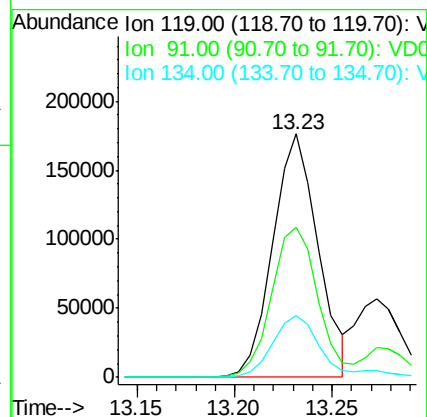
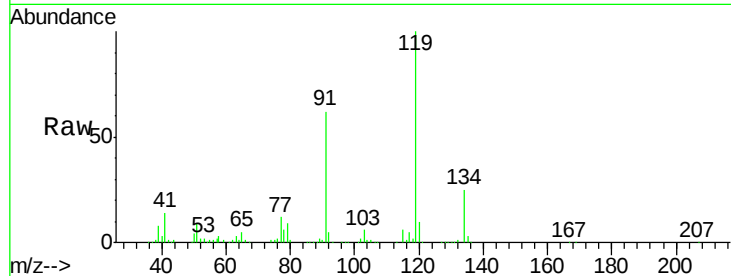




#83
 tert-Butylbenzene
 Concen: 19.56 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

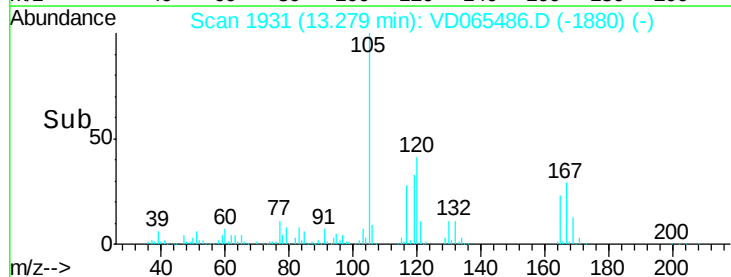
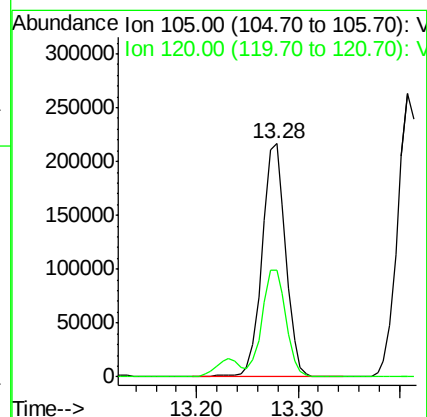
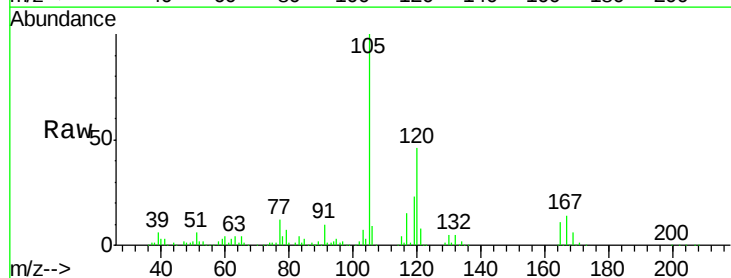
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

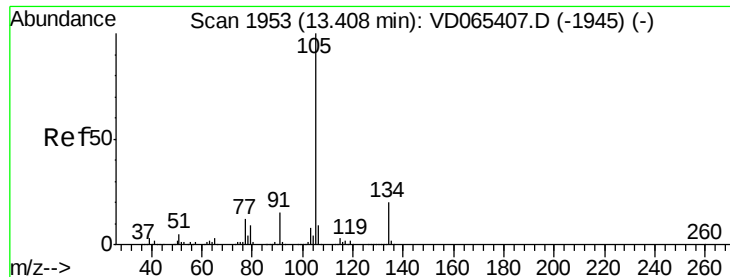
Tgt Ion:119 Resp: 283287
 Ion Ratio Lower Upper
 119 100
 91 63.6 31.6 95.0
 134 27.7 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.58 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion:105 Resp: 347278
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.98 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

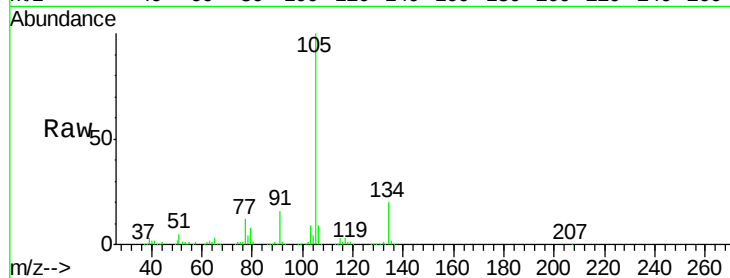
VD0312SBSD01

Tgt Ion:105 Resp: 412885

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

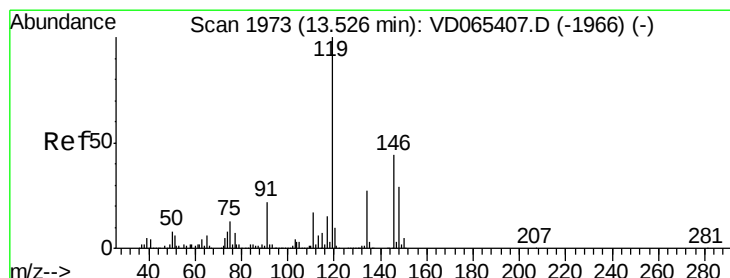
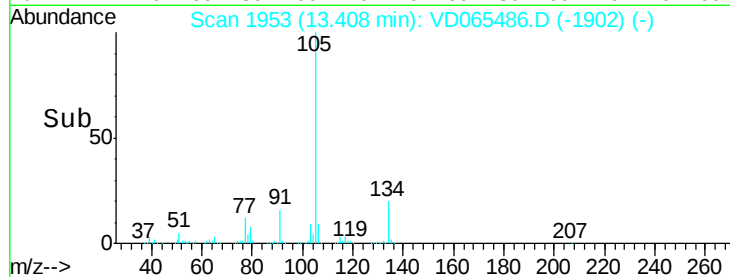
100000

50000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 20.19 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

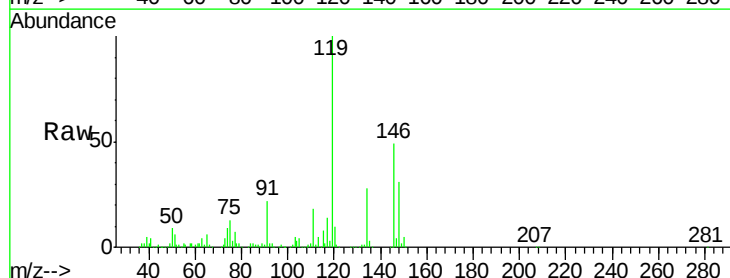
Tgt Ion:119 Resp: 380816

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 21.9 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

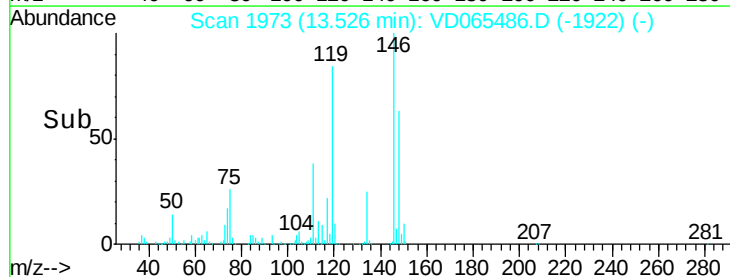
200000

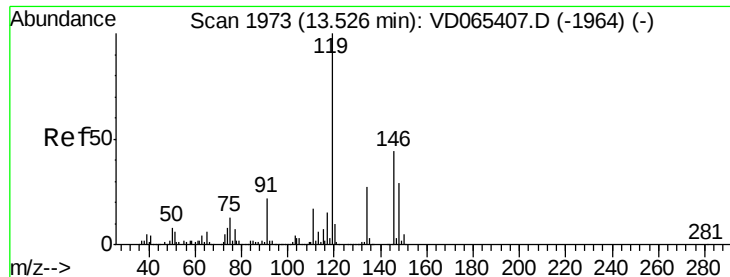
100000

0

13.45 13.50 13.55 13.60

Time-->

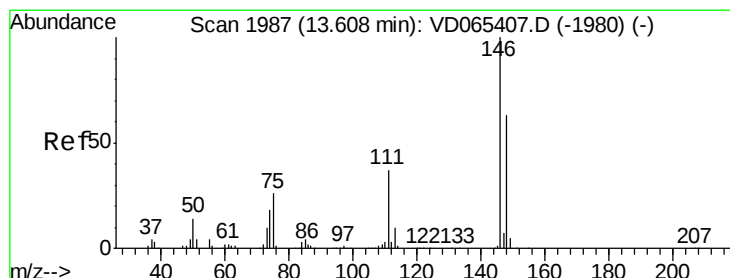
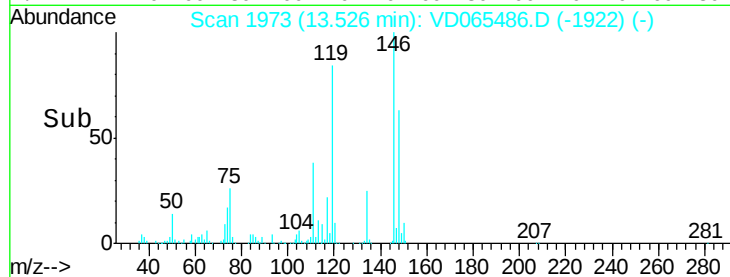
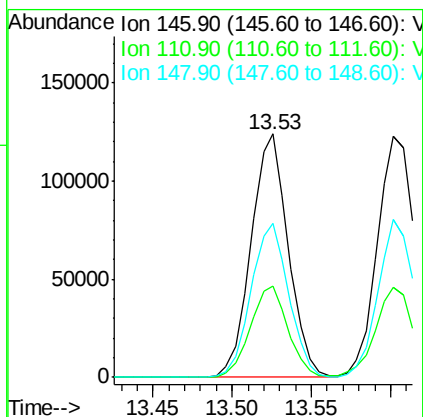
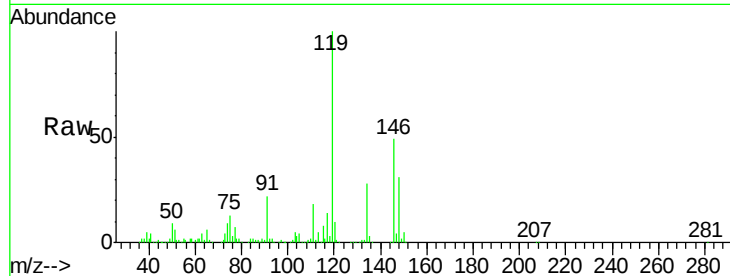




#87
 1,3-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

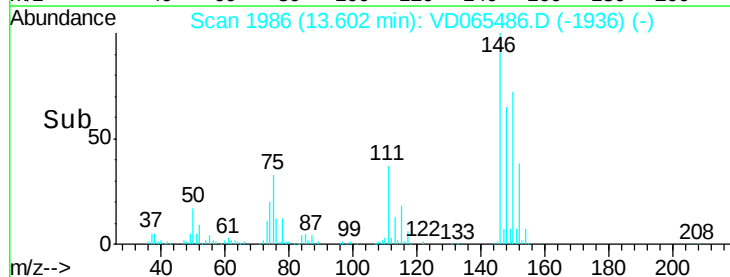
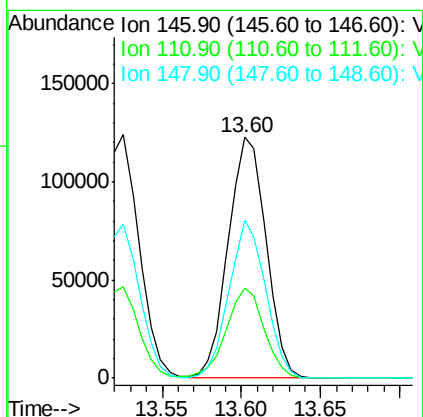
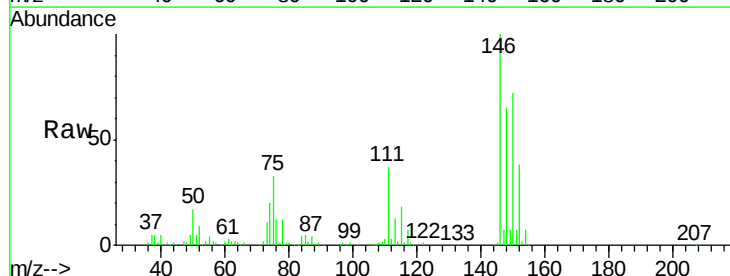
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

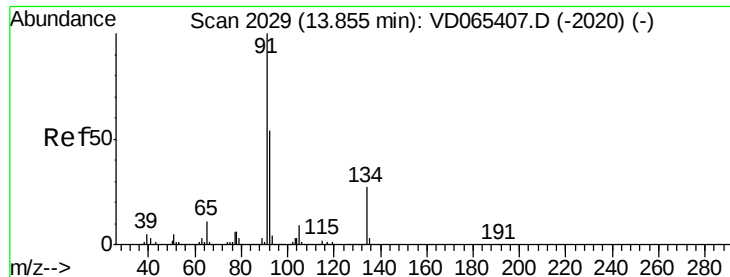
Tgt Ion:146 Resp: 202164
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 64.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.60 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion:146 Resp: 203762
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.5 55.5
 148 63.3 32.0 96.0





#89

n-Butylbenzene

Concen: 19.67 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

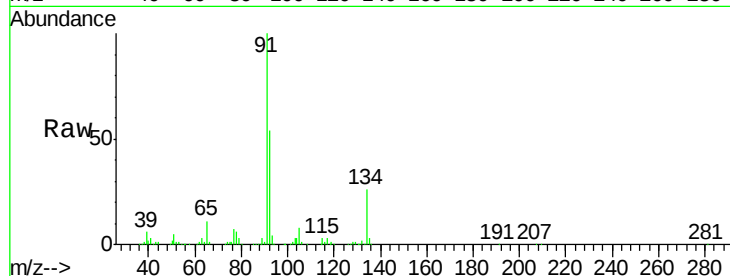
Tgt Ion: 91 Resp: 342974

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.4

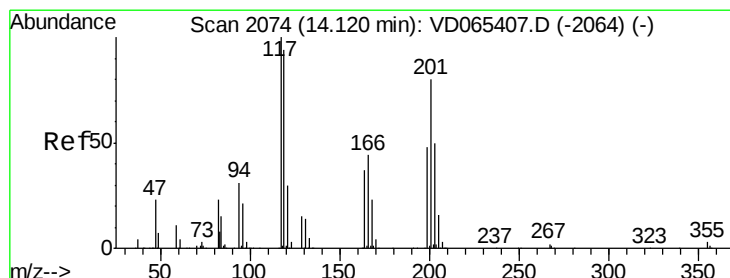
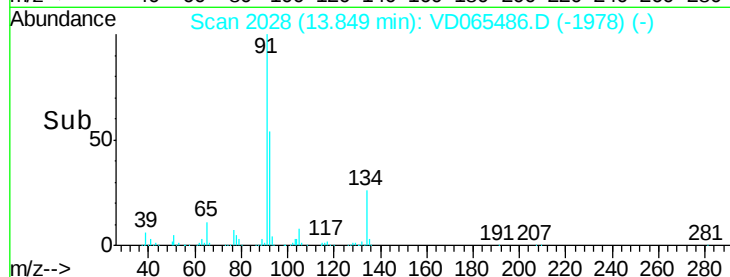
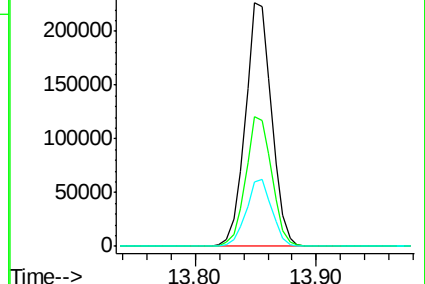
134 27.2 13.4 40.2



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: 20.04 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065486.D

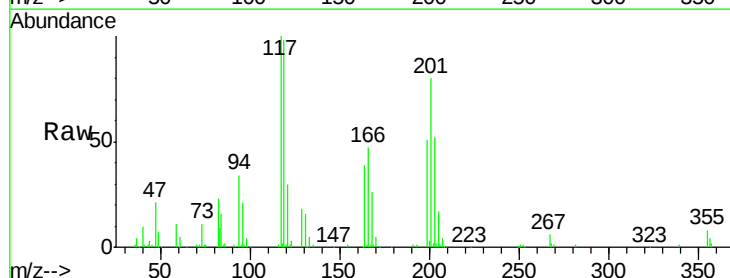
Acq: 12 Mar 2020 12:19

Tgt Ion: 117 Resp: 77833

Ion Ratio Lower Upper

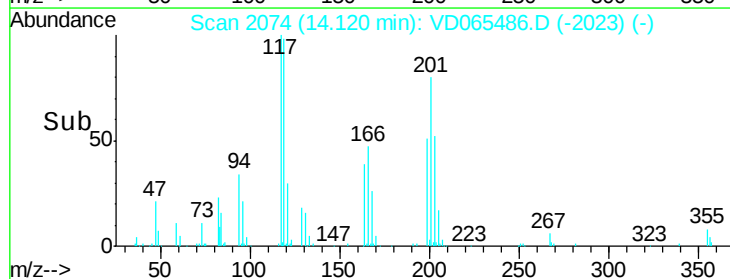
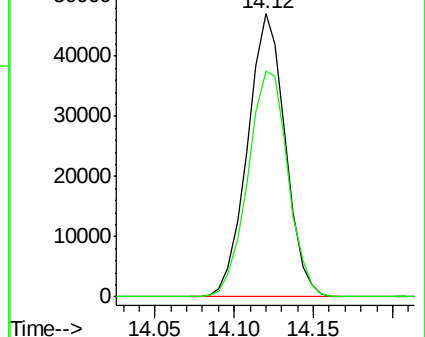
117 100

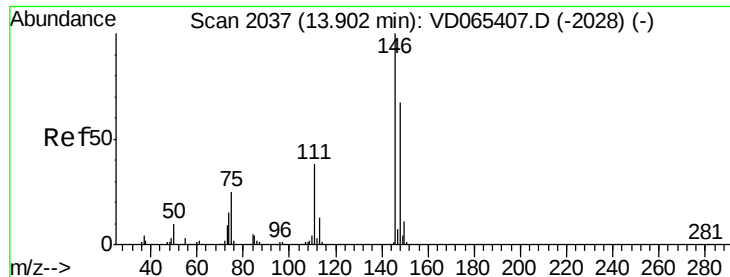
201 84.6 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

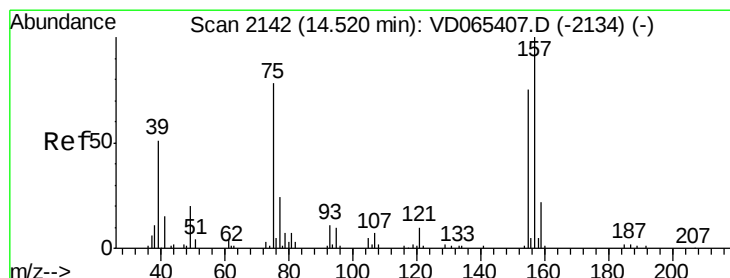
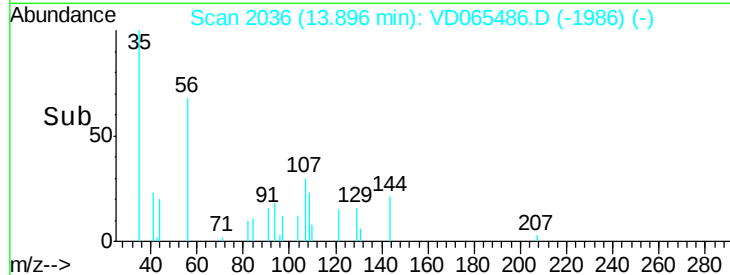
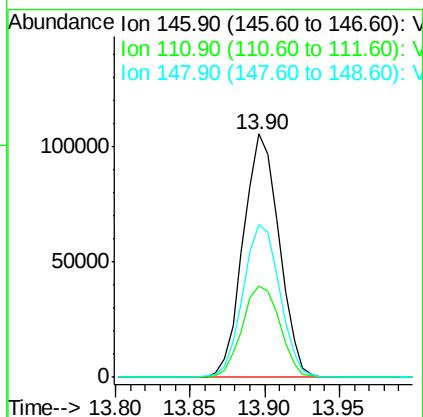
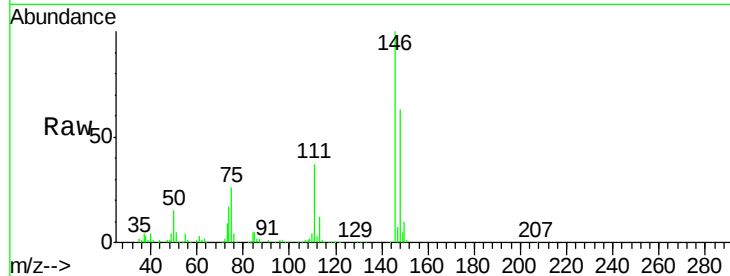




#91
 1,2-Dichlorobenzene
 Concen: 20.78 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

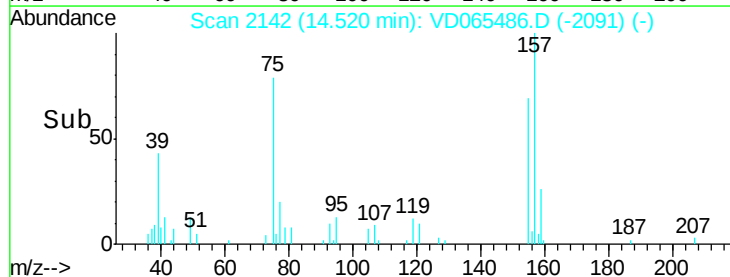
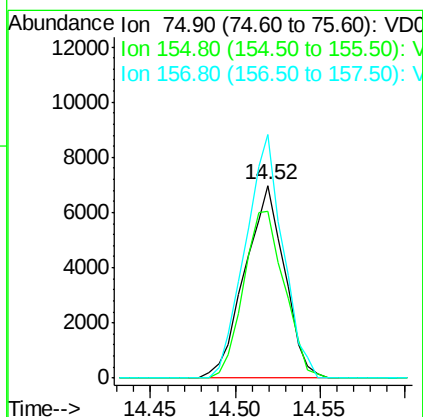
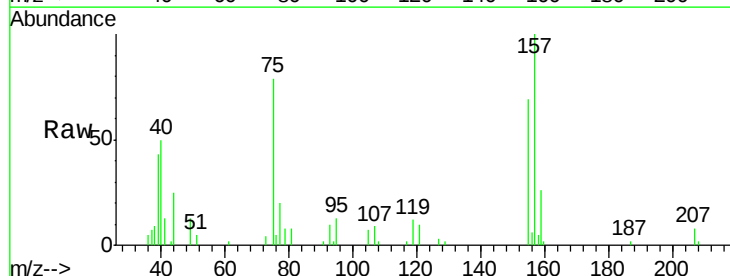
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

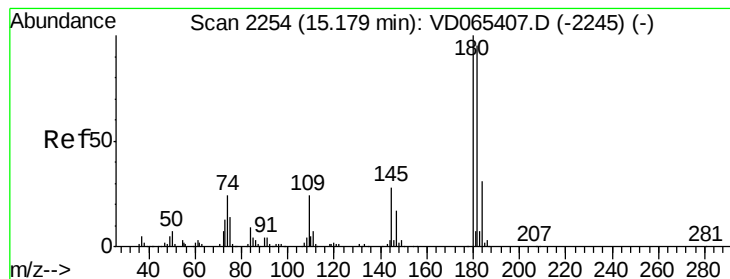
Tgt Ion: 146 Resp: 175817
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.3
 148 64.3 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.49 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065486.D
 Acq: 12 Mar 2020 12:19

Tgt Ion: 75 Resp: 11421
 Ion Ratio Lower Upper
 75 100
 155 89.2 46.4 139.1
 157 120.0 60.2 180.4





#93

1,2,4-Trichlorobenzene

Concen: 20.03 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

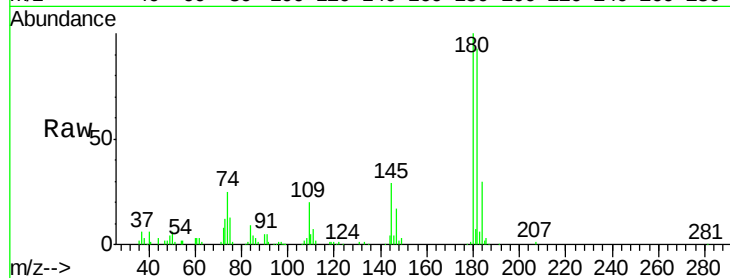
Tgt Ion:180 Resp: 114913

Ion Ratio Lower Upper

180 100

182 93.8 48.3 144.9

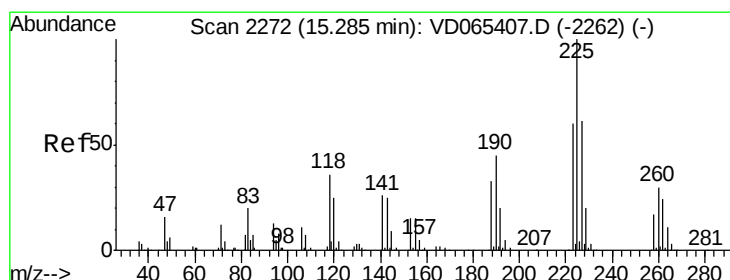
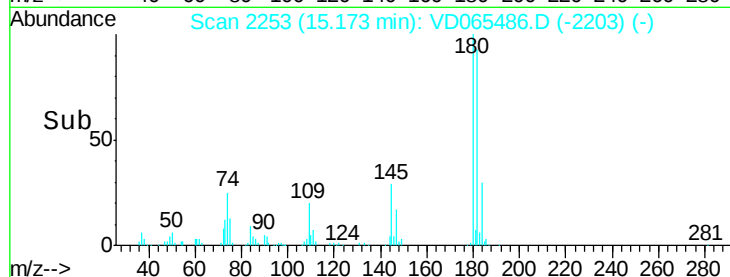
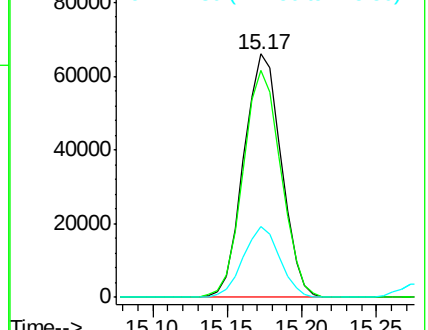
145 28.1 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.13 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. -0.01 min

Lab File: VD065486.D

Acq: 12 Mar 2020 12:19

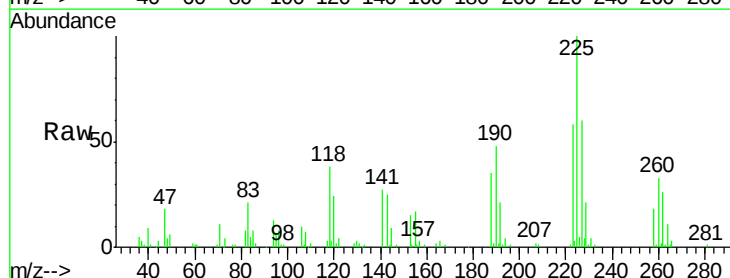
Tgt Ion:225 Resp: 75877

Ion Ratio Lower Upper

225 100

223 61.7 30.9 92.5

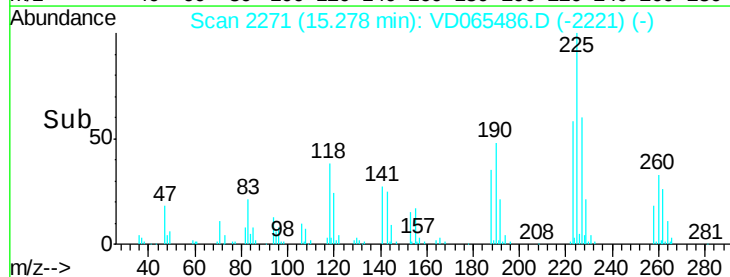
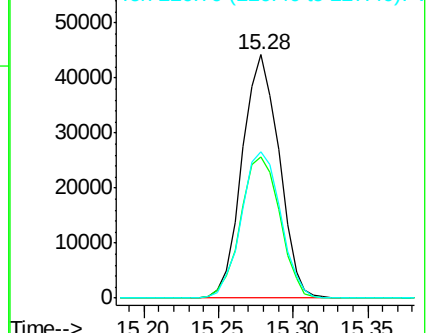
227 64.1 31.6 94.7

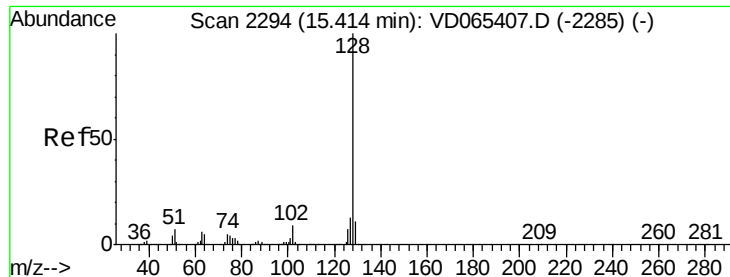


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

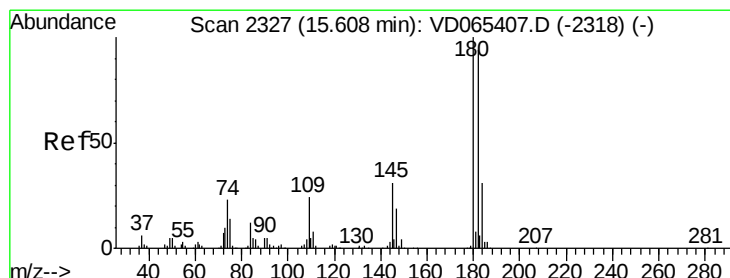
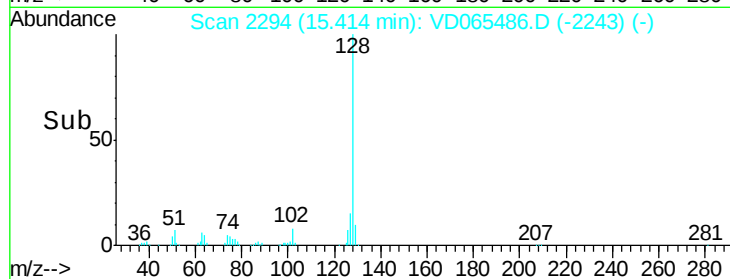
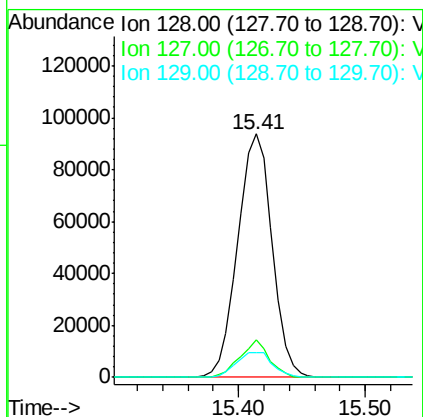
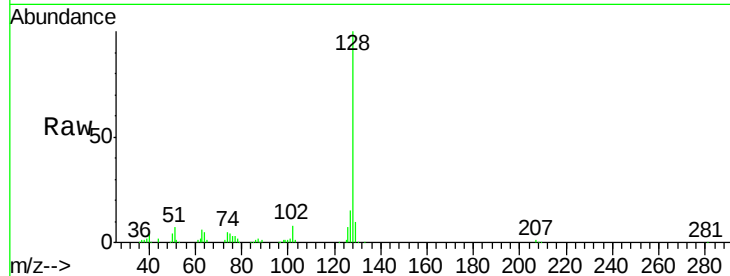




#95
Naphthalene
Concen: 20.13 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tgt Ion:128 Resp: 176303
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.45 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065486.D
Acq: 12 Mar 2020 12:19

Tgt Ion:180 Resp: 101373
Ion Ratio Lower Upper
180 100
182 95.1 46.9 140.6
145 29.5 15.0 45.1

