

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065307.D
 Acq On : 25 Feb 2020 13:13
 Operator : VA/SY
 Sample : VD0225SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 23:37:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	486012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	728830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	659302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	324324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212437	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.92	113	226968	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.34	98	882905	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	278604	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74711	18.328	ug/l	99
3) Chloromethane	2.21	50	99354	19.149	ug/l	99
4) Vinyl Chloride	2.35	62	98527	18.675	ug/l	94
5) Bromomethane	2.76	94	60029	18.818	ug/l	98
6) Chloroethane	2.92	64	62402	19.377	ug/l	98
7) Trichlorofluoromethane	3.27	101	149318	19.768	ug/l	99
8) Diethyl Ether	3.71	74	46492	20.391	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95555	20.032	ug/l	98
10) Methyl Iodide	4.29	142	95329	19.248	ug/l	98
11) Tert butyl alcohol	5.26	59	25512	97.647	ug/l	99
12) 1,1-Dichloroethene	4.06	96	90765	20.143	ug/l	96
13) Acrolein	3.93	56	40257	109.331	ug/l	98
14) Allyl chloride	4.70	41	147824	20.202	ug/l	98
15) Acrylonitrile	5.43	53	103217	102.249	ug/l	100
16) Acetone	4.16	43	97918	91.617	ug/l	96
17) Carbon Disulfide	4.40	76	297843	19.715	ug/l	99
18) Methyl Acetate	4.73	43	53486	22.251	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	189424	20.159	ug/l	99
20) Methylene Chloride	4.96	84	112560	20.982	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	104016	20.305	ug/l	97
22) Diisopropyl ether	6.37	45	293835	20.830	ug/l	96
23) Vinyl Acetate	6.31	43	768244	98.787	ug/l	100
24) 1,1-Dichloroethane	6.27	63	181488	20.742	ug/l	98
25) 2-Butanone	7.22	43	126842	93.801	ug/l	94
26) 2,2-Dichloropropane	7.21	77	153231	20.185	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110168	20.303	ug/l	99
28) Bromochloromethane	7.55	49	59475	18.322	ug/l	99
29) Tetrahydrofuran	7.57	42	81279	102.585	ug/l	97
30) Chloroform	7.71	83	183873	20.859	ug/l	97
31) Cyclohexane	7.98	56	171734	19.977	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	162573	20.613	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142920	20.154	ug/l	99
37) Ethyl Acetate	7.30	43	58585	19.762	ug/l	100
38) Carbon Tetrachloride	8.10	117	149920	20.767	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164986	19.789	ug/l	99
40) Benzene	8.36	78	412352	20.600	ug/l	99
41) Methacrylonitrile	7.53	41	35731	20.874	ug/l #	65
42) 1,2-Dichloroethane	8.43	62	111040	20.179	ug/l	99
43) Isopropyl Acetate	8.46	43	106065	19.674	ug/l	98
44) Trichloroethene	9.12	130	115562	20.828	ug/l	94
45) 1,2-Dichloropropane	9.39	63	103273	20.749	ug/l	95
46) Dibromomethane	9.48	93	53168	20.761	ug/l	99
47) Bromodichloromethane	9.67	83	138599	20.537	ug/l	98
48) Methyl methacrylate	9.46	41	50709	20.350	ug/l	97
49) 1,4-Dioxane	9.47	88	12926	430.355	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	279453	102.058	ug/l	98
52) Toluene	10.41	92	266022	21.471	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	127656	20.407	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	155534	20.590	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	76614	21.255	ug/l	95
56) Ethyl methacrylate	10.67	69	84066	20.206	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125468	20.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	127347	97.089	ug/l	99
59) 2-Hexanone	10.99	43	188094	95.962	ug/l	97
60) Dibromochloromethane	11.14	129	94688	20.524	ug/l	98
61) 1,2-Dibromoethane	11.25	107	71155	20.849	ug/l	100
64) Tetrachloroethene	10.88	164	98983	21.168	ug/l	96
65) Chlorobenzene	11.67	112	277171	20.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	101254	20.508	ug/l	98
67) Ethyl Benzene	11.75	91	478641	20.656	ug/l	99
68) m/p-Xylenes	11.86	106	379588	42.817	ug/l	99
69) o-Xylene	12.18	106	164490	20.943	ug/l	99
70) Styrene	12.20	104	293494	21.047	ug/l	99
71) Bromoform	12.37	173	57173	20.868	ug/l #	99
73) Isopropylbenzene	12.48	105	451756	21.040	ug/l	99
74) N-amyl acetate	12.30	43	93849	19.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	82265	21.229	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	104520	37.877	ug/l #	100
77) Bromobenzene	12.77	156	111408	20.895	ug/l	98
78) n-propylbenzene	12.83	91	547943	21.236	ug/l	100
79) 2-Chlorotoluene	12.91	91	301472	20.856	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	380881	21.537	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24675	19.307	ug/l	98
82) 4-Chlorotoluene	13.01	91	321977	20.981	ug/l	100
83) tert-Butylbenzene	13.23	119	307942	20.776	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	369449	20.872	ug/l	99
85) sec-Butylbenzene	13.41	105	443713	20.775	ug/l	100
86) p-Isopropyltoluene	13.53	119	405644	20.769	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	211711	20.539	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	210324	20.675	ug/l	98
89) n-Butylbenzene	13.86	91	374370	20.801	ug/l	99
90) Hexachloroethane	14.12	117	81137	20.459	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	186446	21.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11607	19.436	ug/l	89

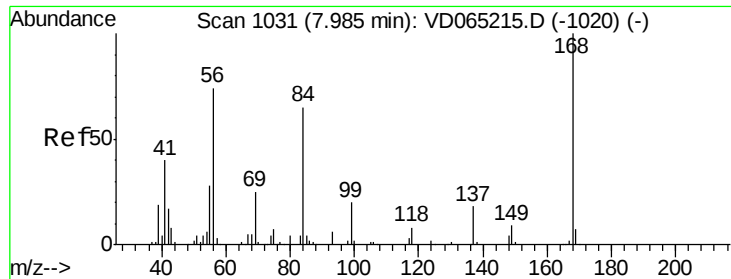
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119807	20.695	ug/l	97
94) Hexachlorobutadiene	15.28	225	77390	20.839	ug/l	100
95) Naphthalene	15.41	128	191377	20.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105984	20.962	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

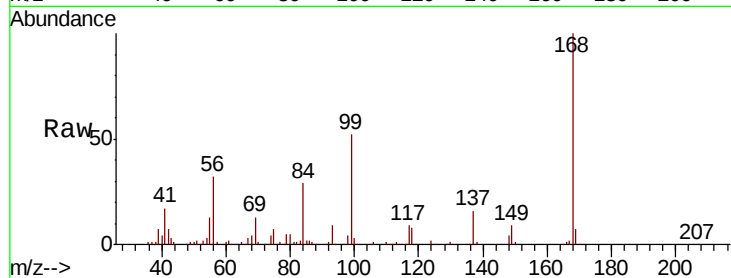
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 486012

Ion Ratio Lower Upper

168 100

99 52.1 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

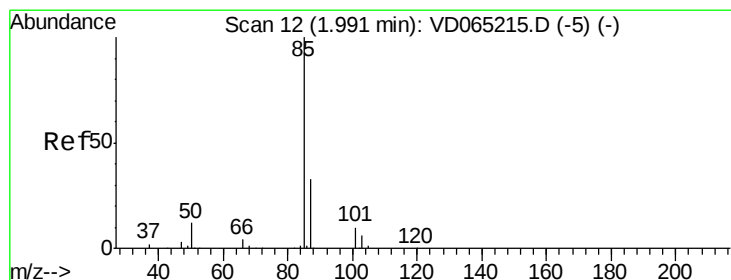
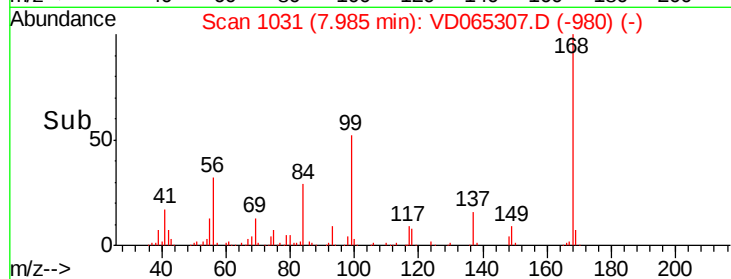
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.328 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065307.D

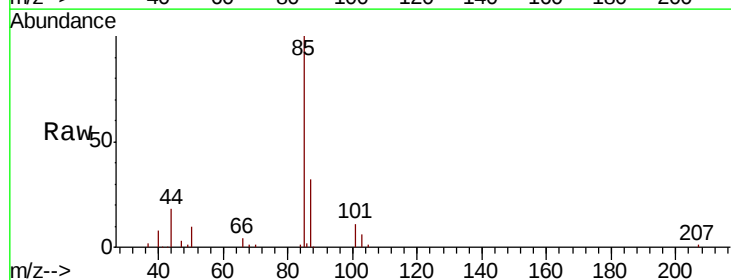
Acq: 25 Feb 2020 13:13

Tgt Ion: 85 Resp: 74711

Ion Ratio Lower Upper

85 100

87 32.1 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

50000

40000

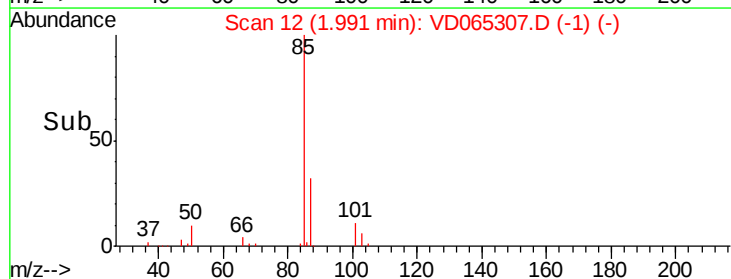
30000

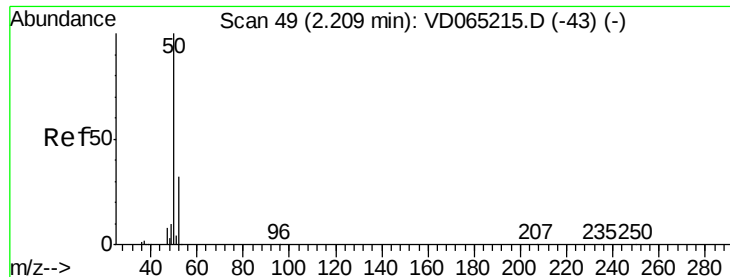
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.149 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

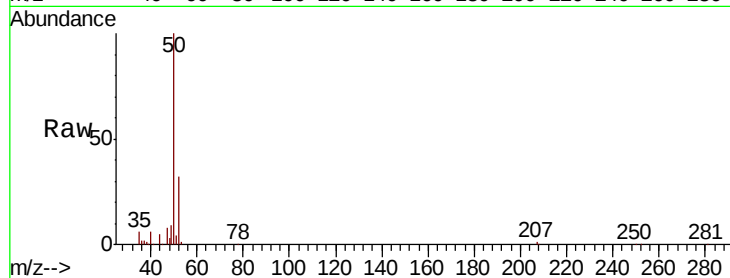
ClientSampleId :

Tot Ion: 50 Resp: 99354

Ion Ratio Lower Upper

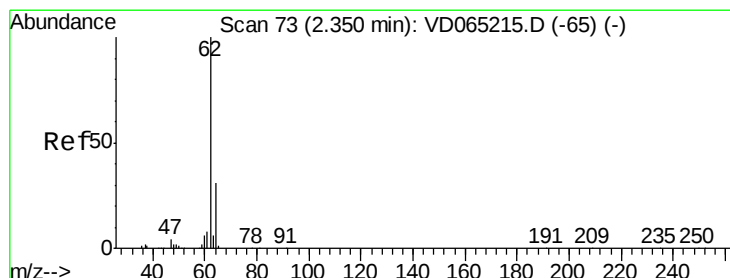
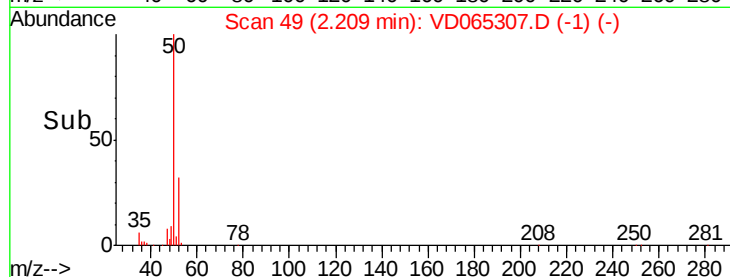
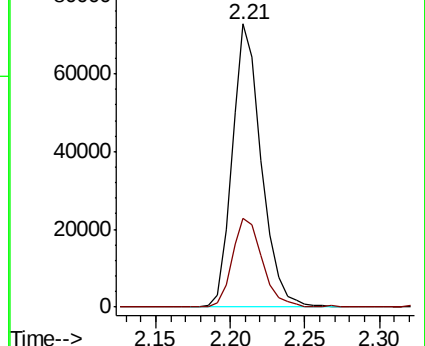
50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.675 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065307.D

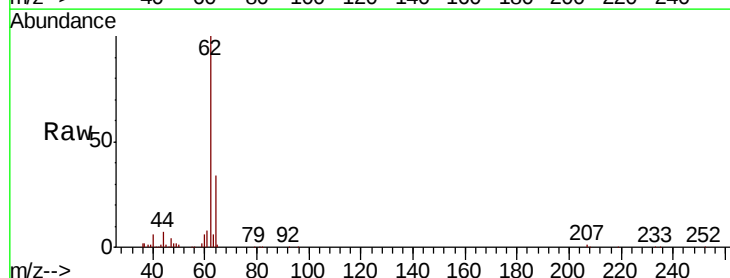
Acq: 25 Feb 2020 13:13

Tgt Ion: 62 Resp: 98527

Ion Ratio Lower Upper

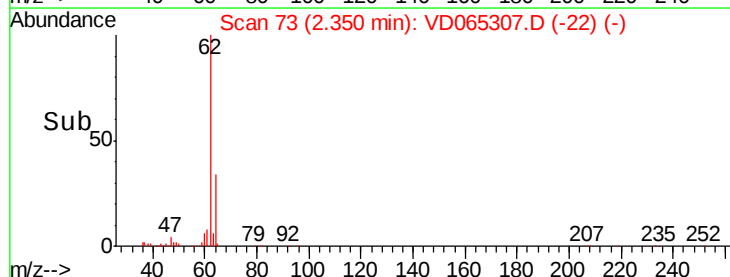
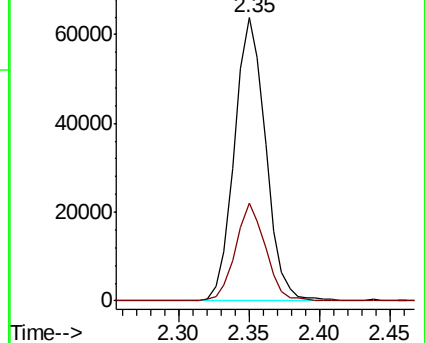
62 100

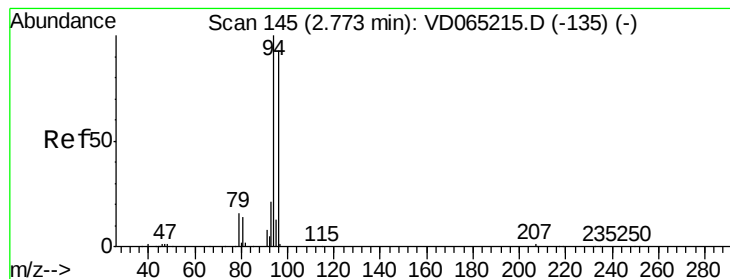
64 34.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.818 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

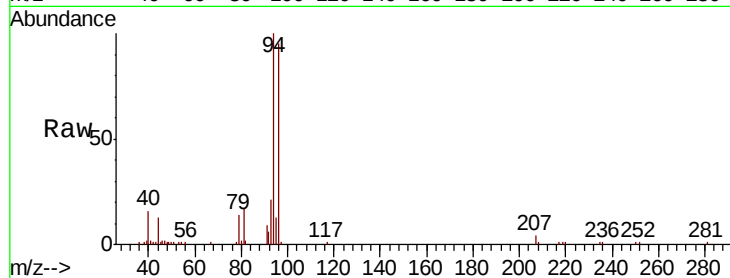
ClientSampled :

Tot Ion: 94 Resp: 60029

Ion Ratio Lower Upper

94 100

96 94.6 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

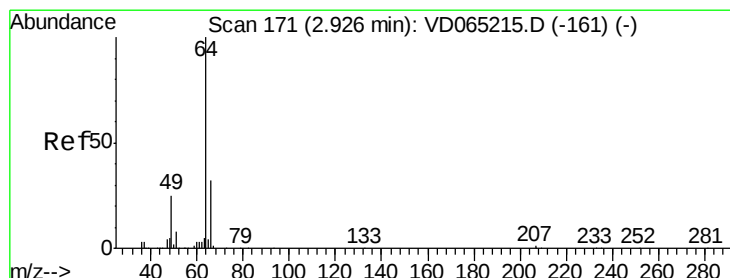
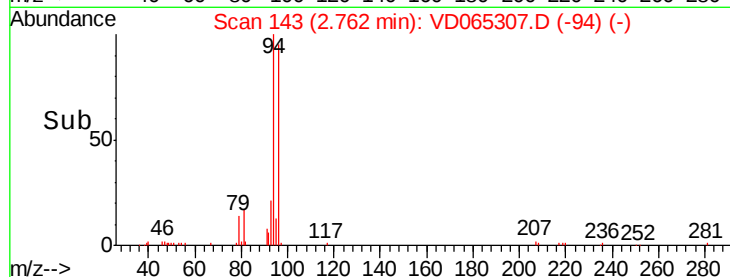
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.377 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065307.D

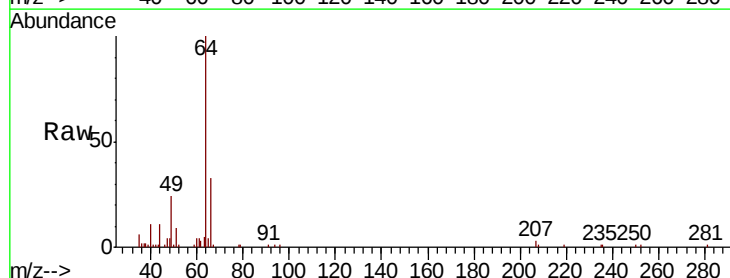
Acq: 25 Feb 2020 13:13

Tgt Ion: 64 Resp: 62402

Ion Ratio Lower Upper

64 100

66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

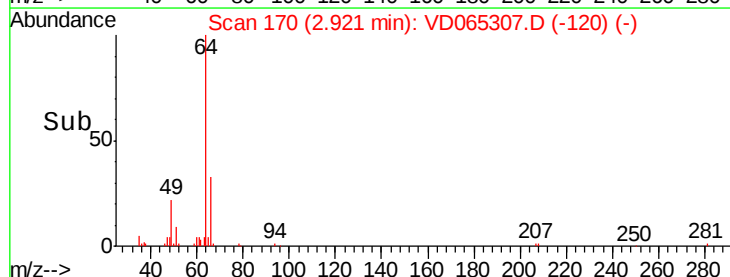
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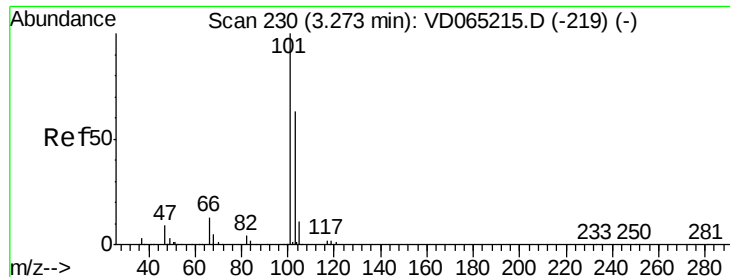
20000

10000

0

Time--> 2.80 2.90 3.00



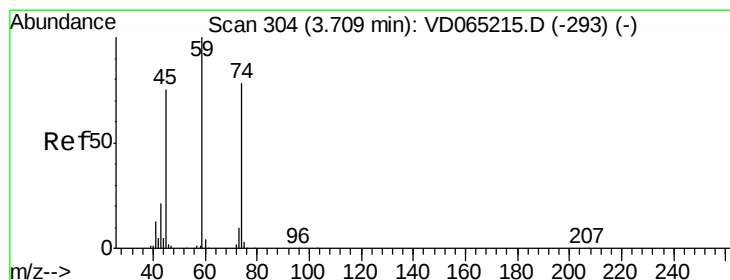
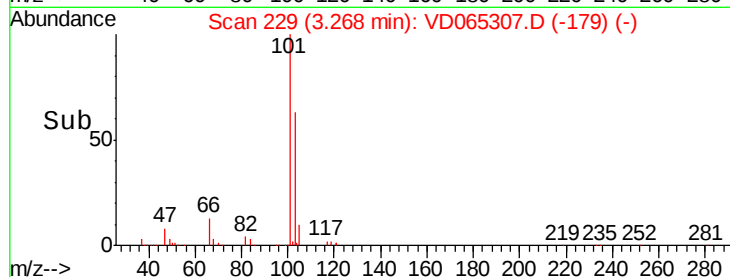
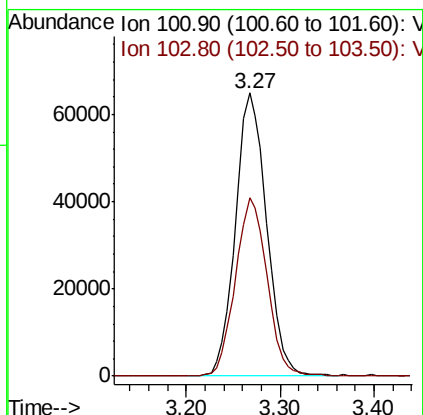
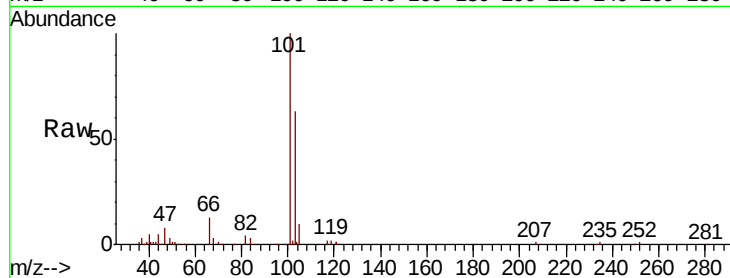


#7

Trichlorofluoromethane
Concen: 19.768 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :

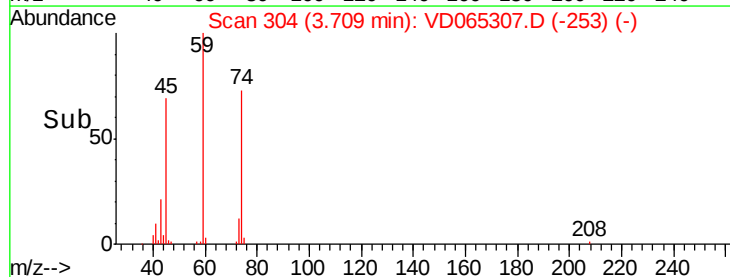
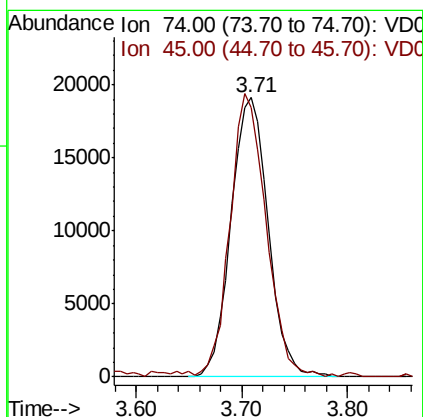
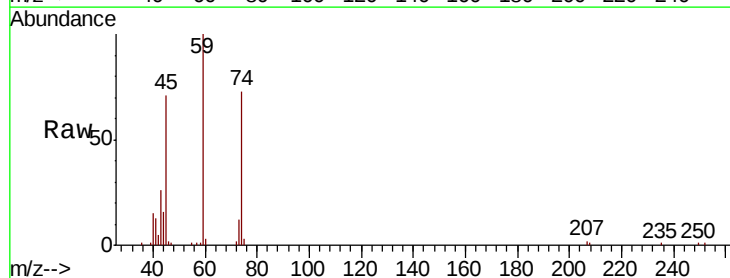
Tot Ion:101 Resp: 149318
Ion Ratio Lower Upper
101 100
103 63.0 50.7 76.1

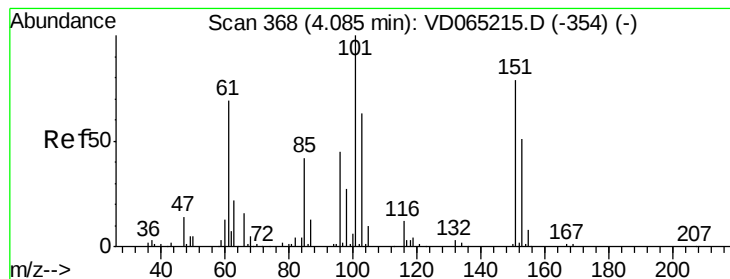


#8

Diethyl Ether
Concen: 20.391 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 74 Resp: 46492
Ion Ratio Lower Upper
74 100
45 98.4 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.032 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

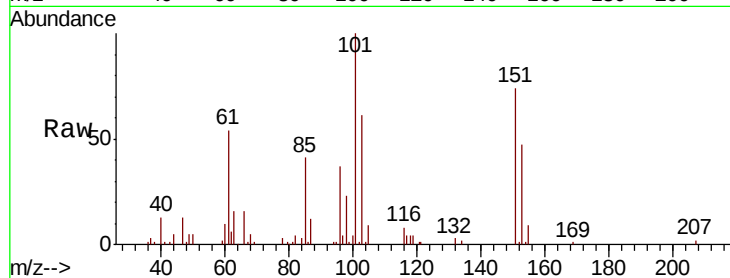
Tot Ion:101 Resp: 95555

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.2

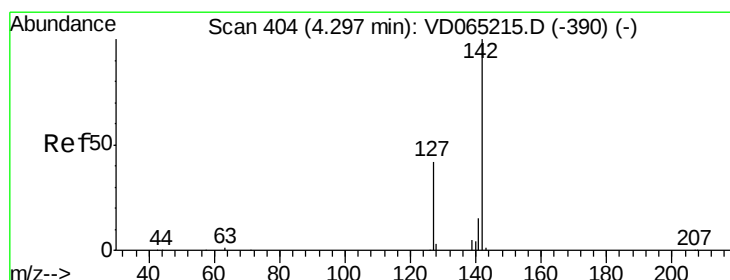
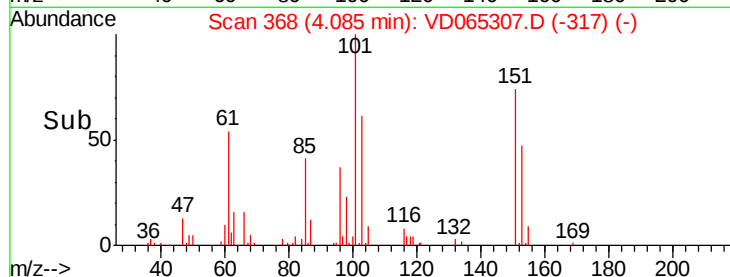
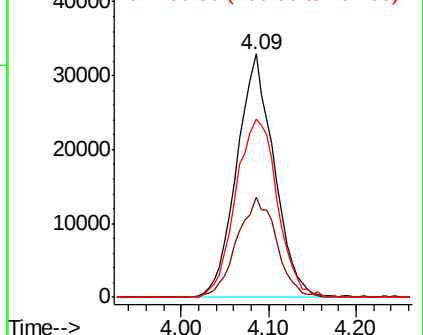
151 81.7 63.5 95.3



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: 19.248 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

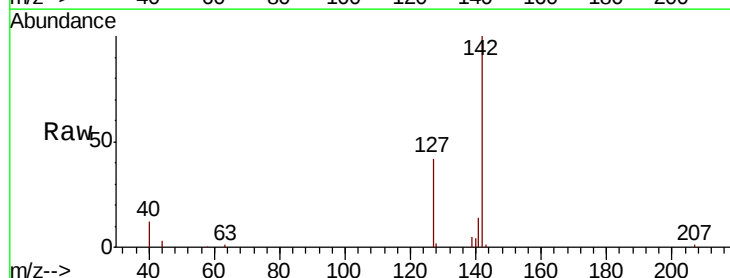
Tgt Ion:142 Resp: 95329

Ion Ratio Lower Upper

142 100

127 43.6 33.8 50.8

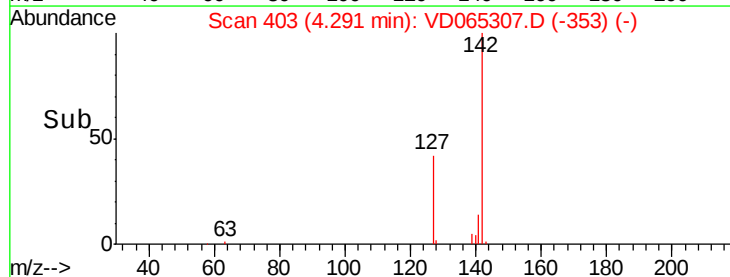
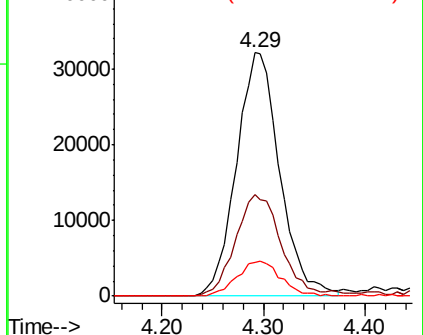
141 14.4 11.7 17.5

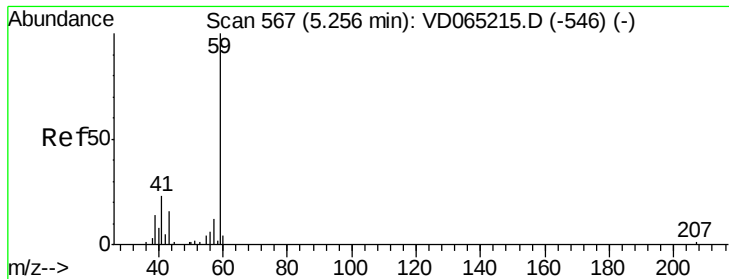


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



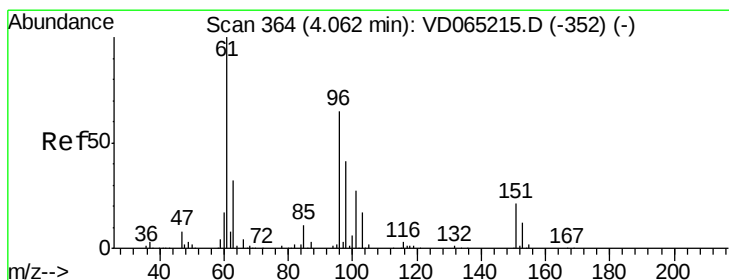
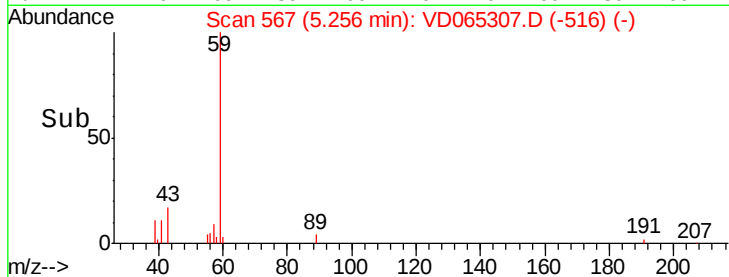
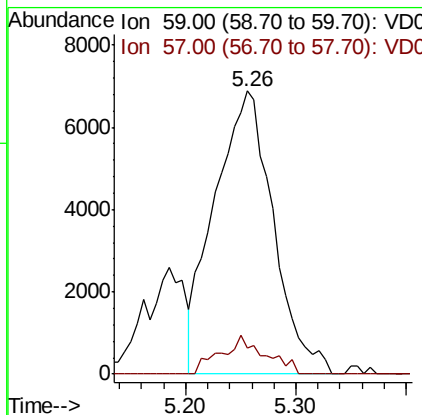
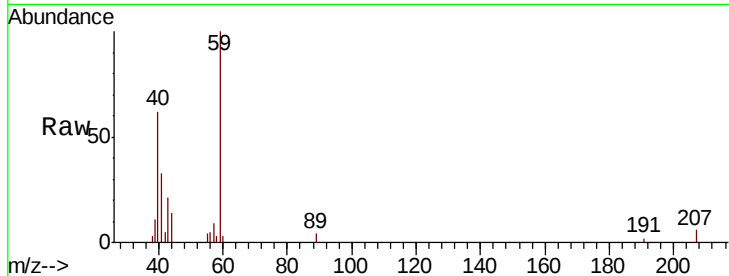


#11

Tert butyl alcohol
Concen: 97.647 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :

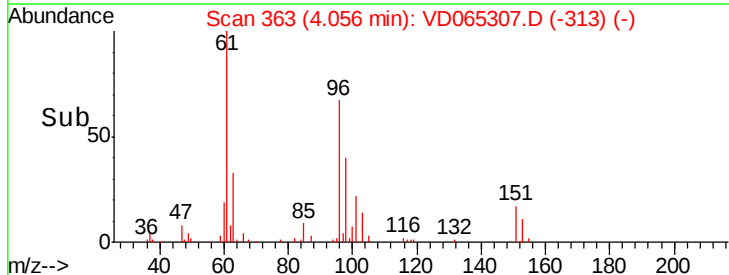
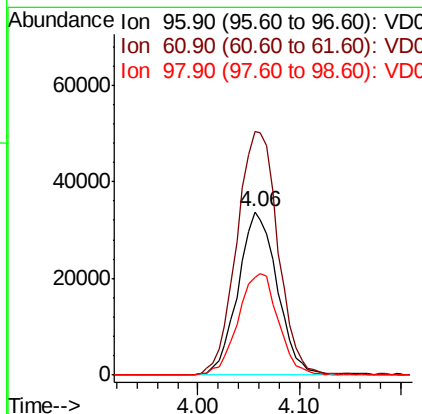
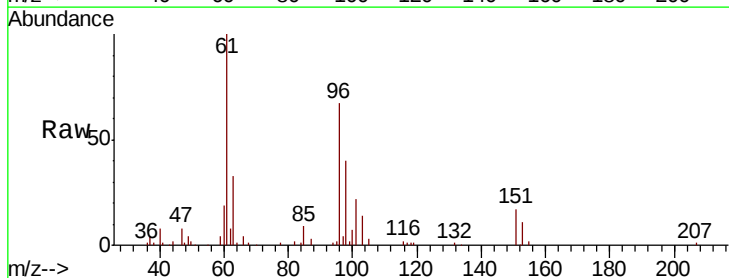
Tot Ion: 59 Resp: 25512
Ion Ratio Lower Upper
59 100
57 10.1 8.4 12.6

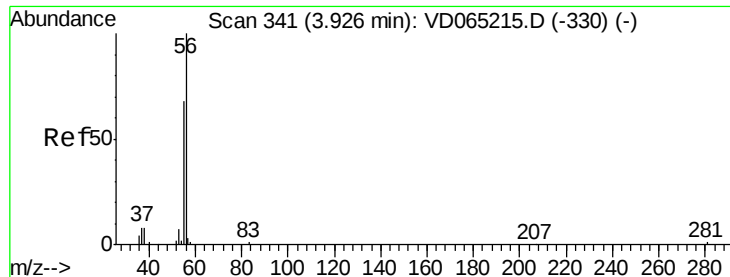


#12

1,1-Dichloroethene
Concen: 20.143 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 96 Resp: 90765
Ion Ratio Lower Upper
96 100
61 148.8 123.3 184.9
98 59.9 51.0 76.4





#13

Acrolein

Concen: 109.331 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

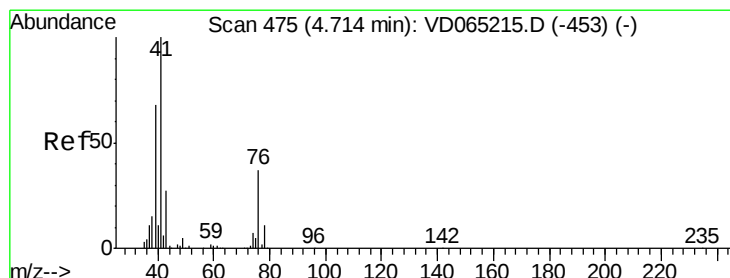
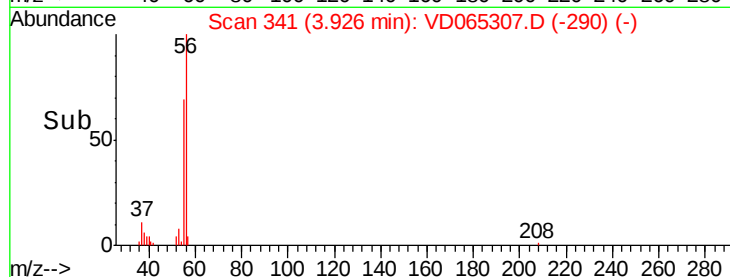
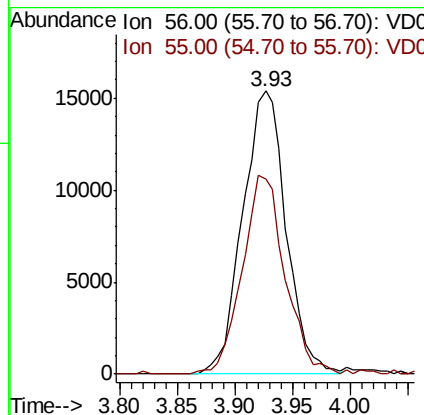
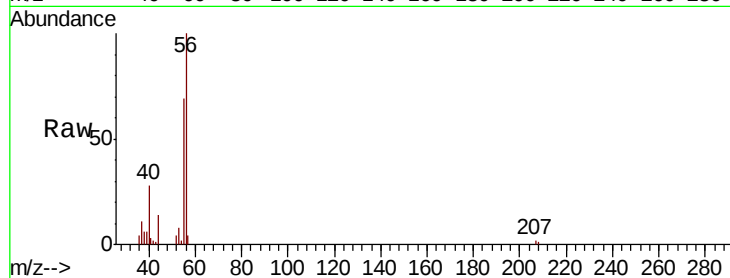
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 40257

Ion Ratio Lower Upper

56 100

55 69.1 56.6 85.0



#14

Allyl chloride

Concen: 20.202 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

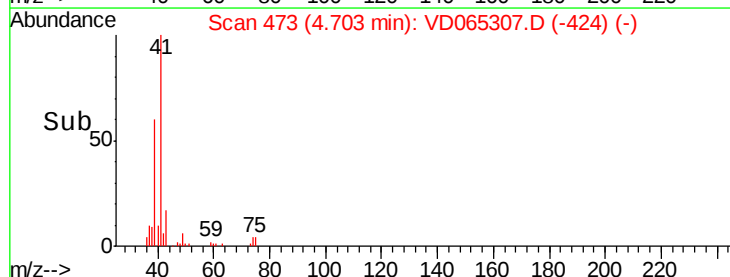
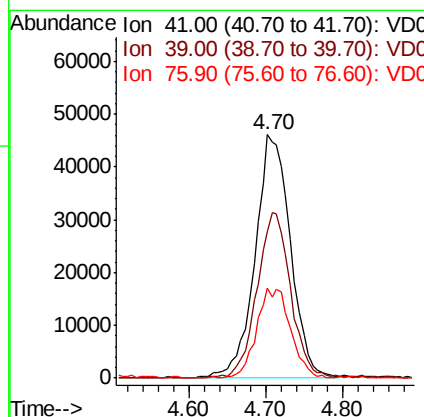
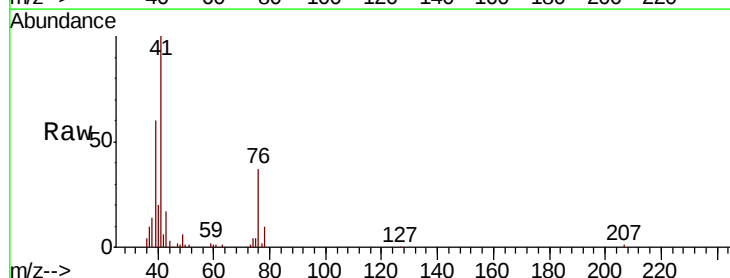
Tgt Ion: 41 Resp: 147824

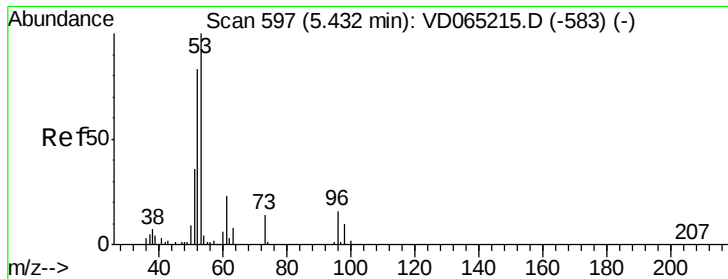
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 35.4 28.7 43.1





#15

Acrylonitrile

Concen: 102.249 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

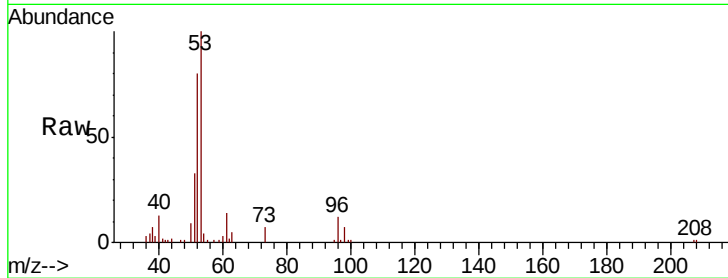
Tot Ion: 53 Resp: 103217

Ion Ratio Lower Upper

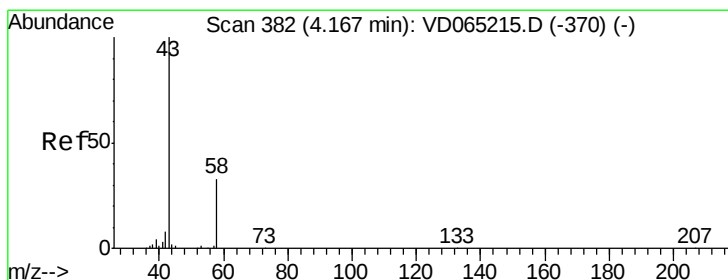
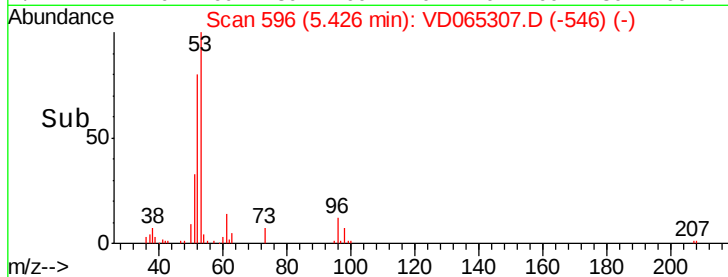
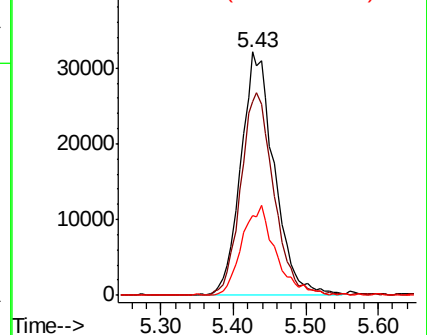
53 100

52 81.8 65.4 98.2

51 37.1 29.5 44.3



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: 91.617 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065307.D

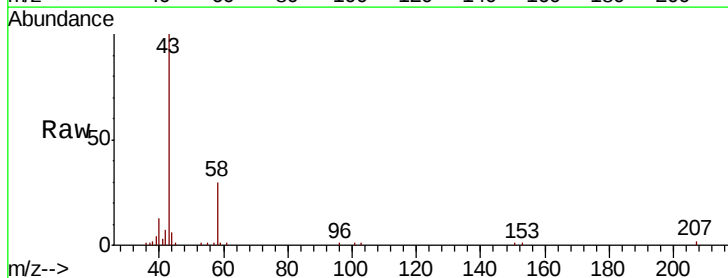
Acq: 25 Feb 2020 13:13

Tgt Ion: 43 Resp: 97918

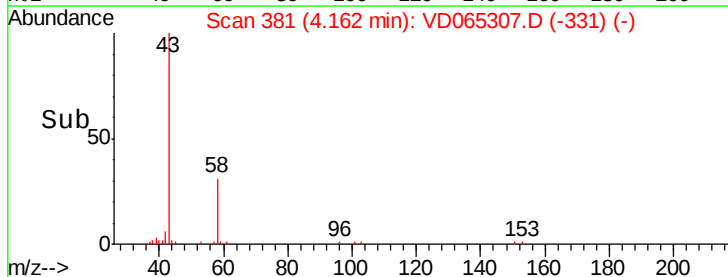
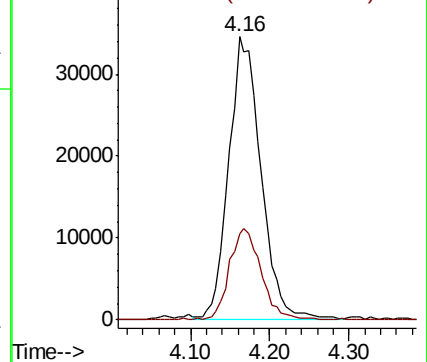
Ion Ratio Lower Upper

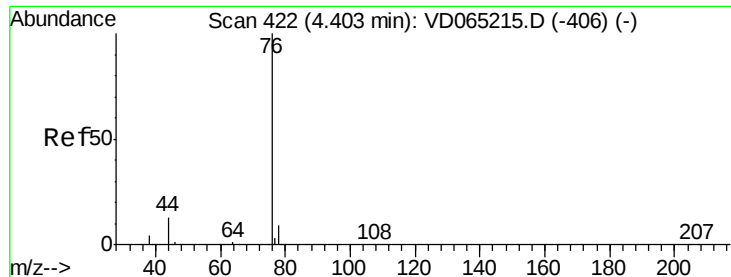
43 100

58 30.4 26.2 39.2



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

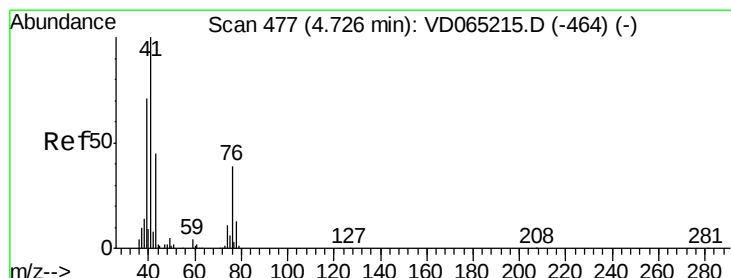
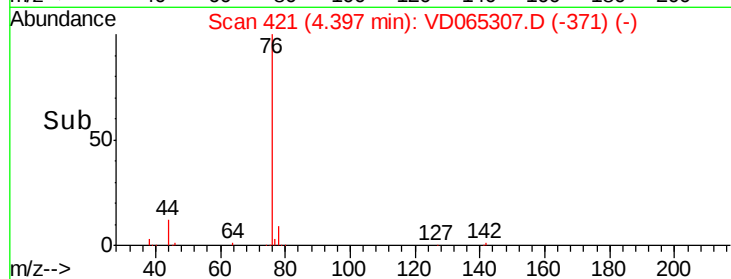
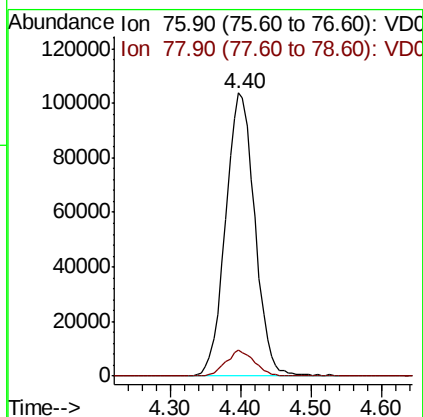
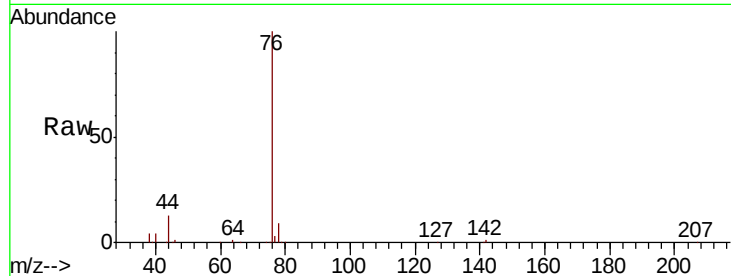




#17
Carbon Disulfide
Concen: 19.715 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

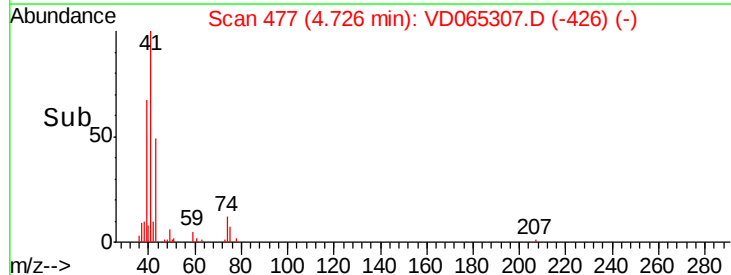
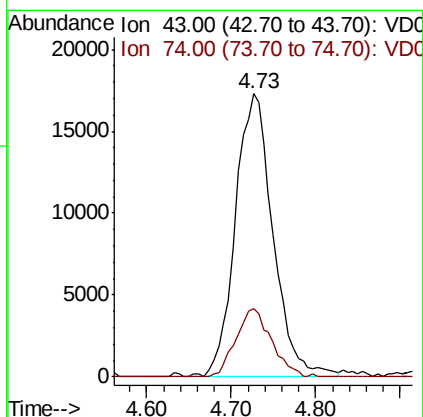
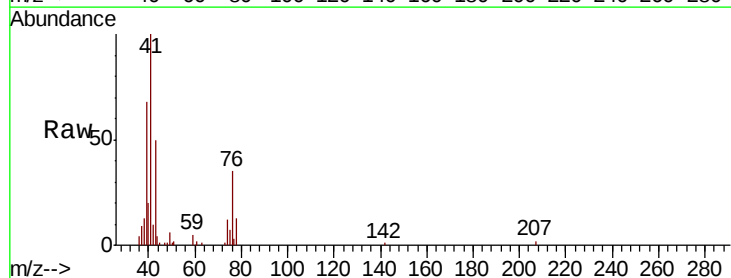
Instrument :
MSVOA_D
ClientSampled :

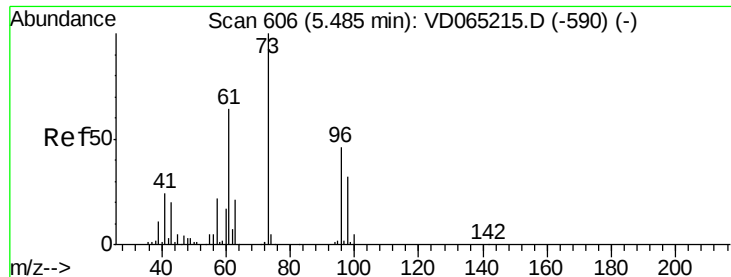
Tot Ion: 76 Resp: 297843
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 22.251 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 43 Resp: 53486
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2



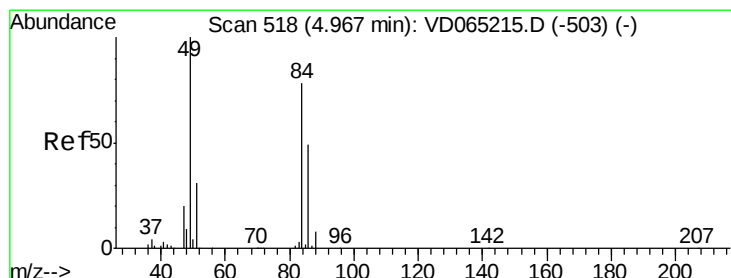
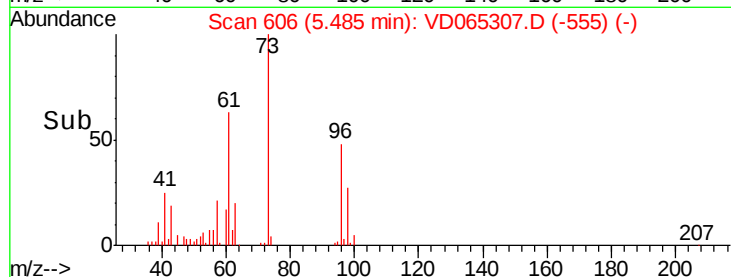
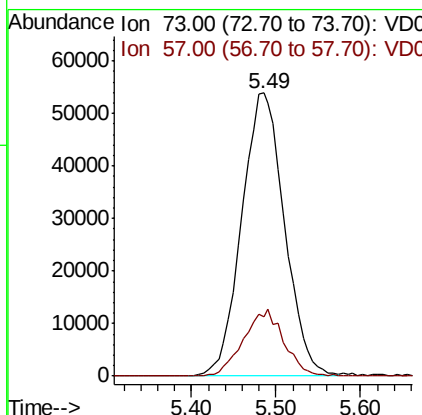
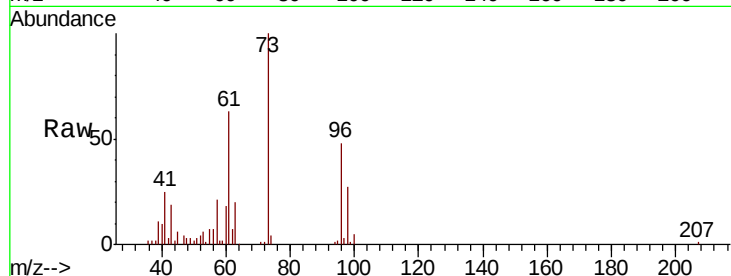


#19

Methyl tert-butyl Ether
 Concen: 20.159 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :

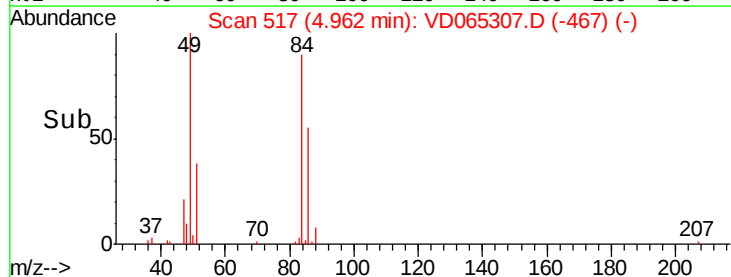
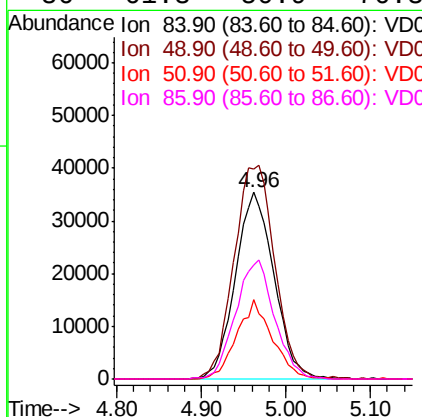
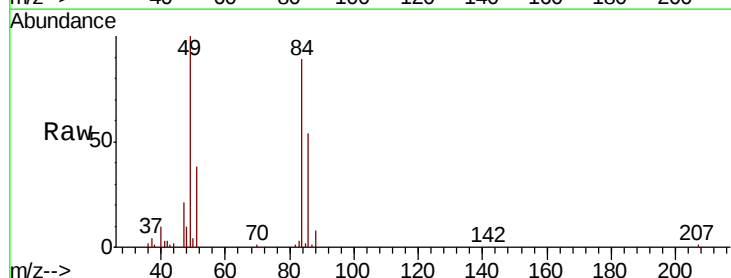
Tot Ion: 73 Resp: 189424
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.3 25.9

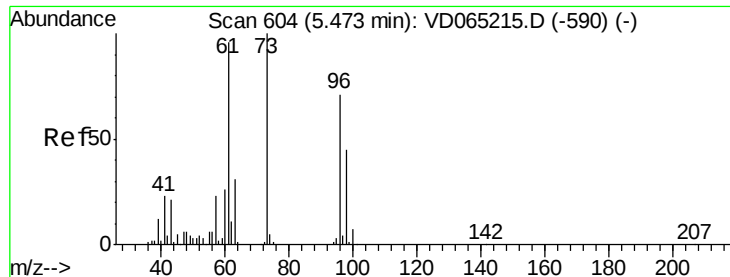


#20

Methylene Chloride
 Concen: 20.982 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion: 84 Resp: 112560
 Ion Ratio Lower Upper
 84 100
 49 112.7 103.1 154.7
 51 42.3 31.7 47.5
 86 61.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.305 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :

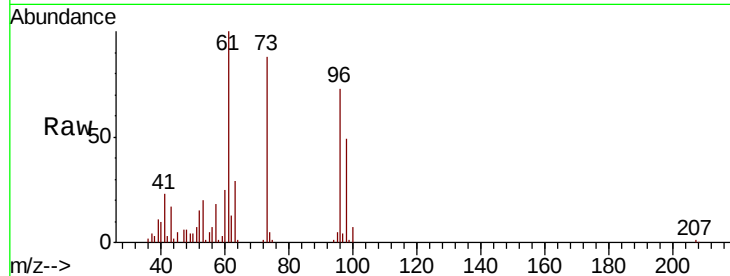
Tot Ion: 96 Resp: 104016

Ion Ratio Lower Upper

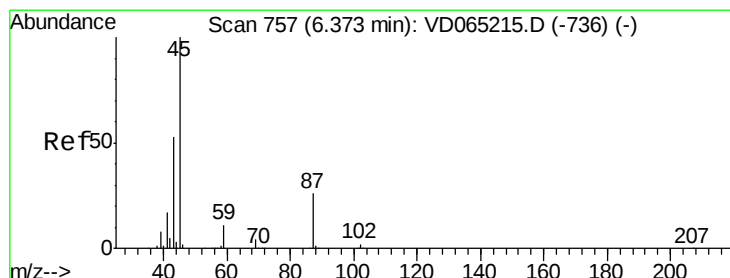
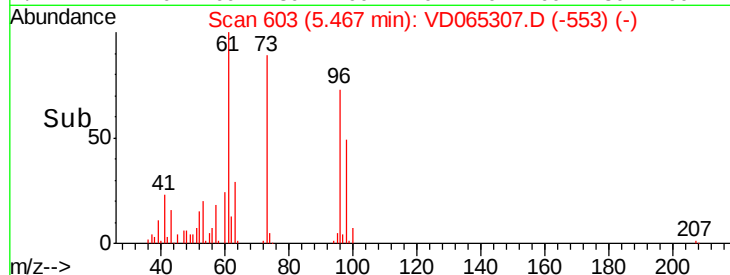
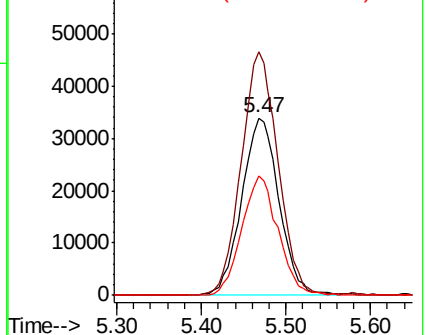
96 100

61 137.4 108.3 162.5

98 67.2 50.7 76.1



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



#22

Diisopropyl ether

Concen: 20.830 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion: 45 Resp: 293835

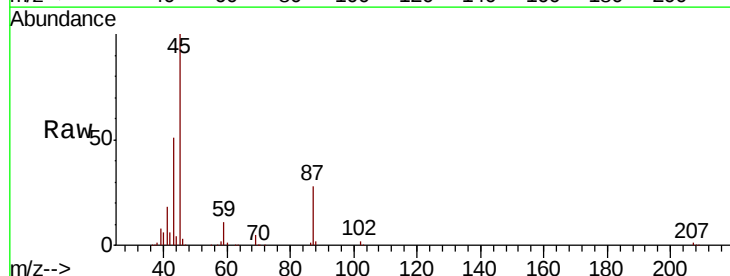
Ion Ratio Lower Upper

45 100

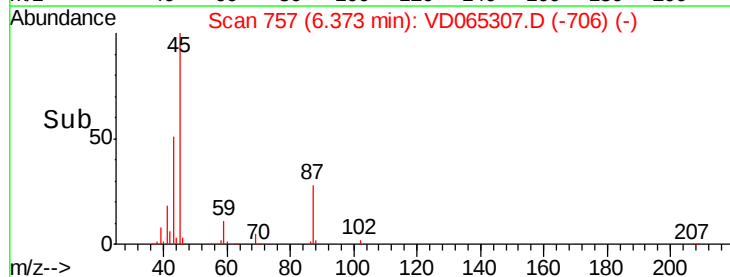
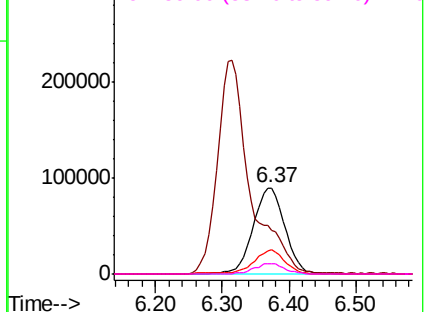
43 49.9 42.6 64.0

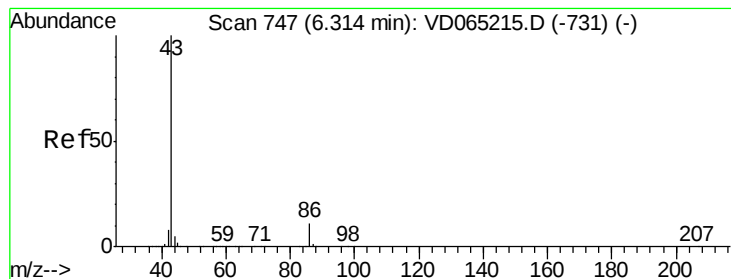
87 27.9 21.2 31.8

59 11.4 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 98.787 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

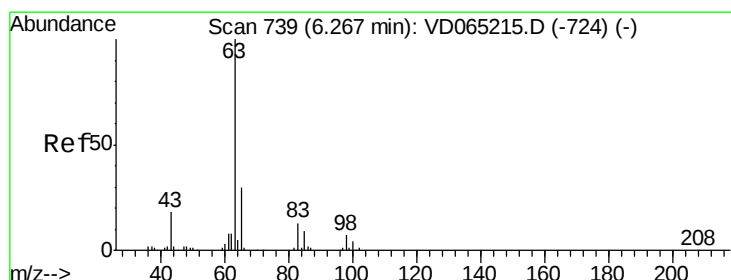
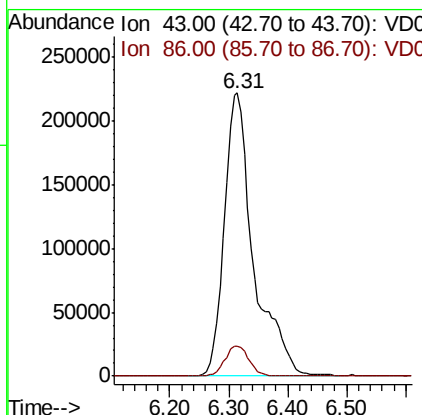
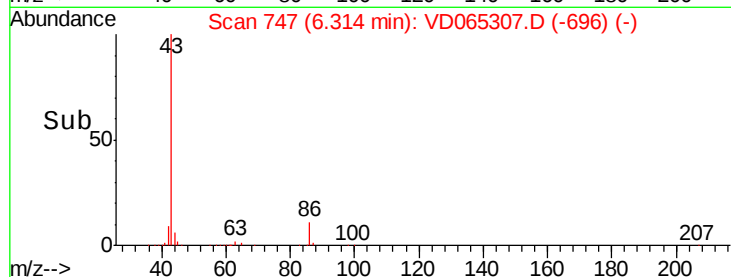
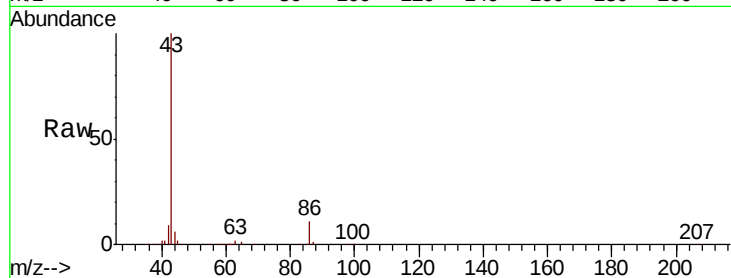
ClientSampled :

Tot Ion: 43 Resp: 768244

Ion Ratio Lower Upper

43 100

86 10.5 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.742 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

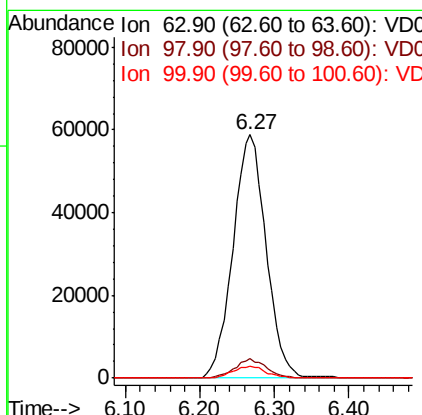
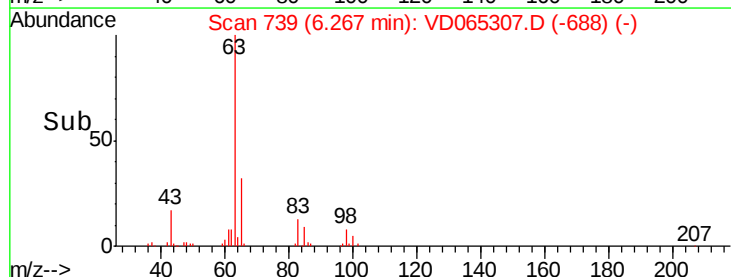
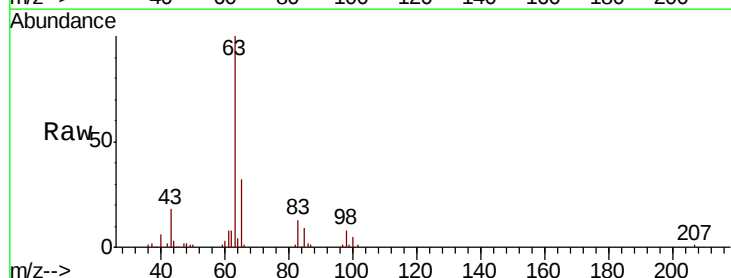
Tgt Ion: 63 Resp: 181488

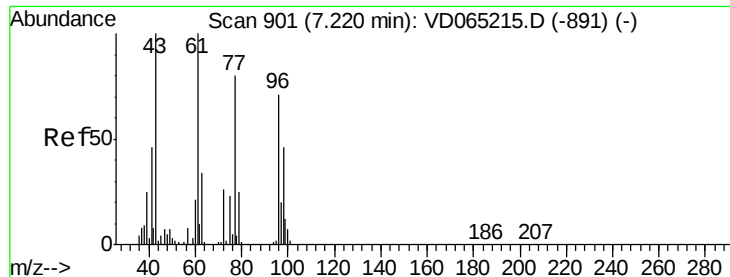
Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.1

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 93.801 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

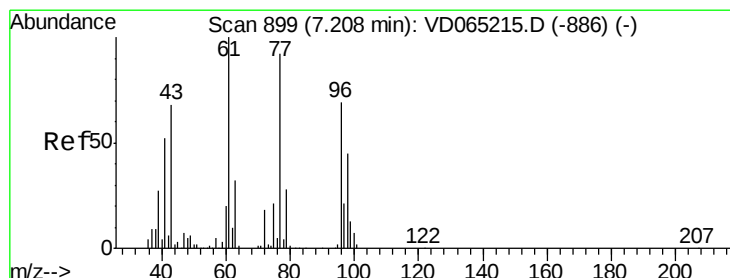
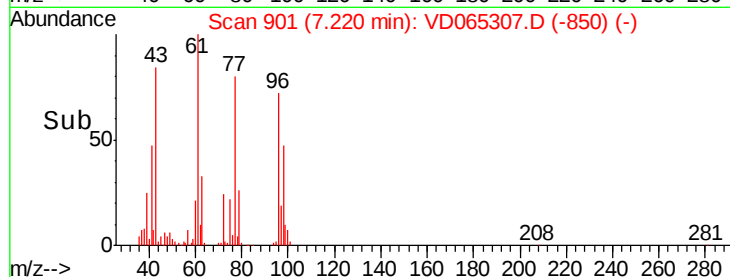
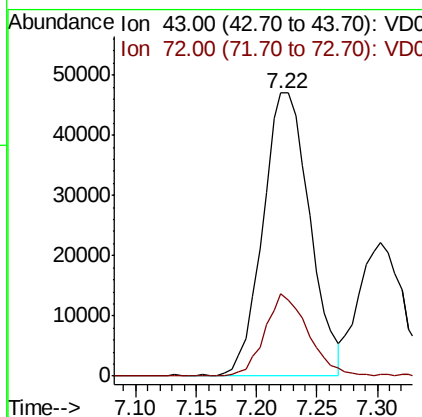
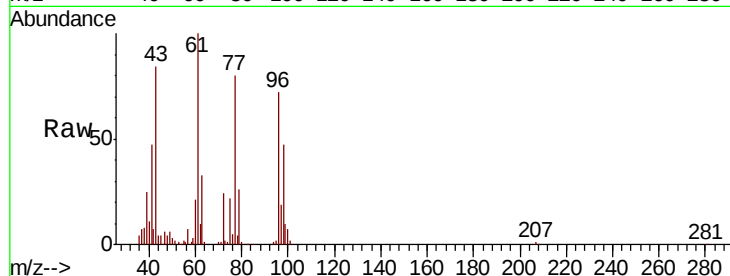
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 126842

Ion Ratio Lower Upper

43 100

72 28.9 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.185 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065307.D

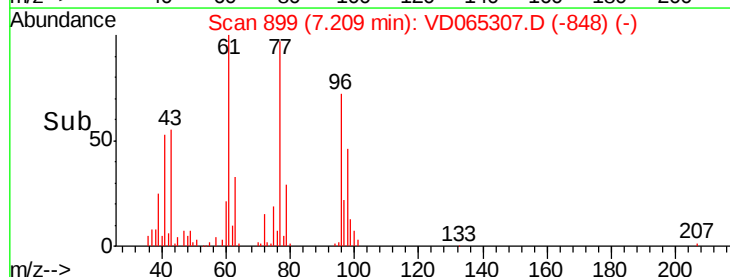
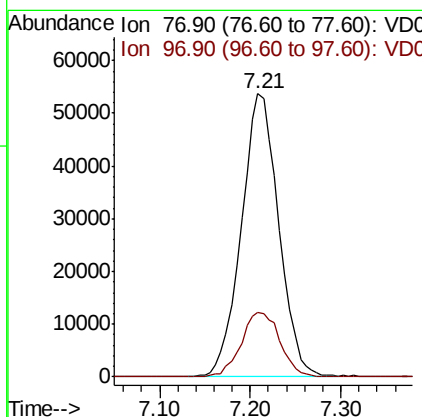
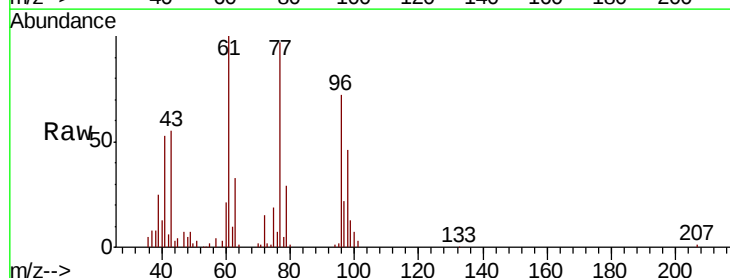
Acq: 25 Feb 2020 13:13

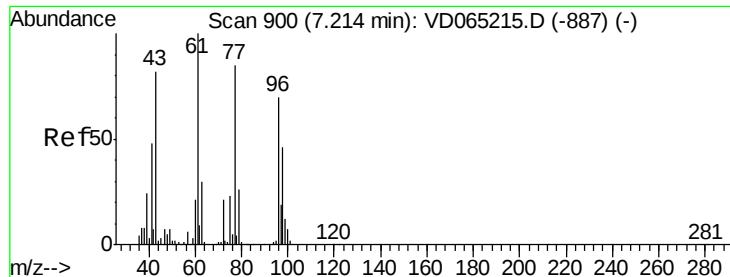
Tgt Ion: 77 Resp: 153231

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1



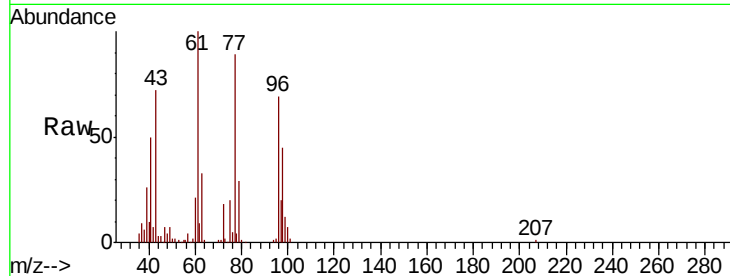


#27

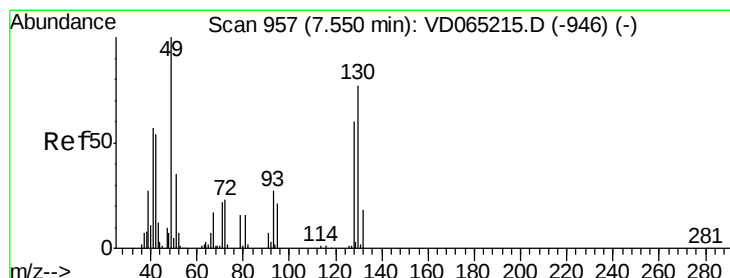
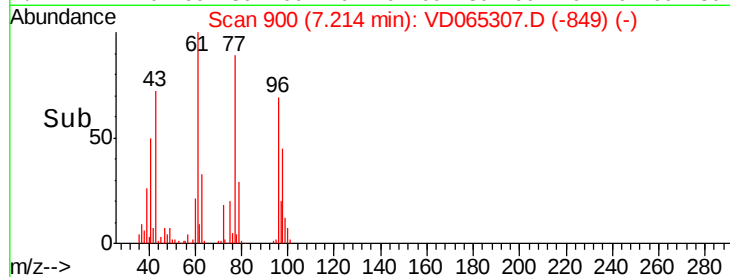
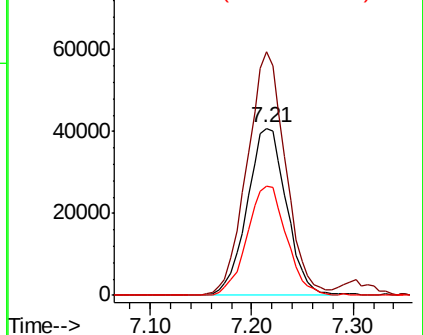
cis-1,2-Dichloroethene
Concen: 20.303 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	286.0
98	65.5	0.0	127.8



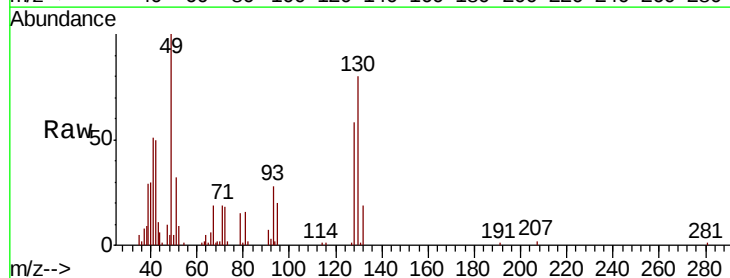
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



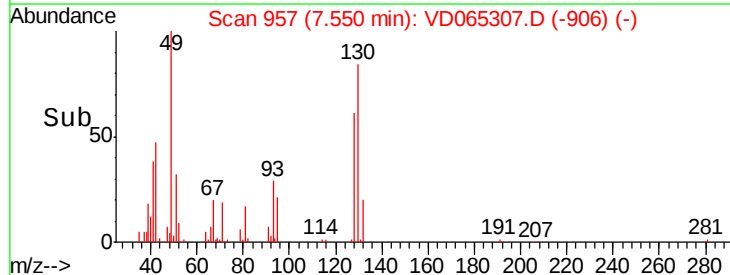
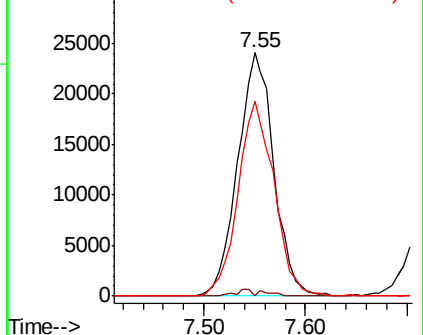
#28

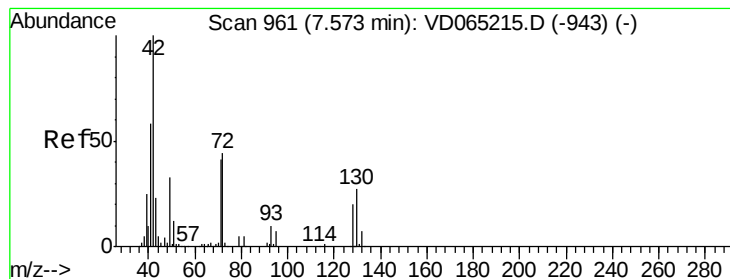
Bromochloromethane
Concen: 18.322 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	80.2	64.7	97.1



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





#29

Tetrahydrofuran

Concen: 102.585 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

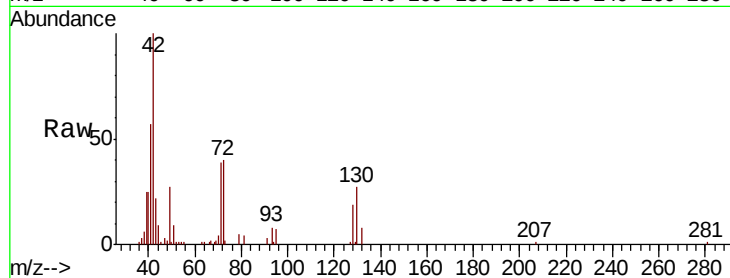
Tot Ion: 42 Resp: 81279

Ion Ratio Lower Upper

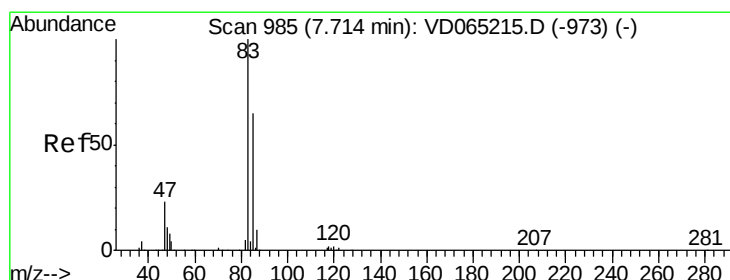
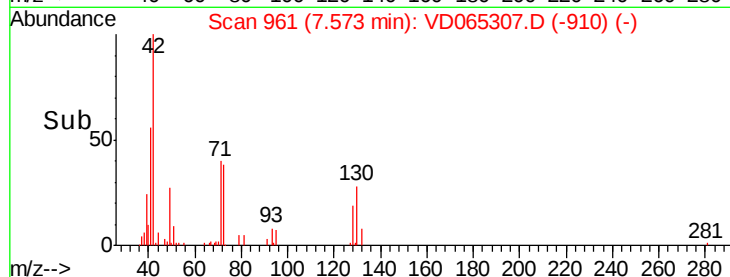
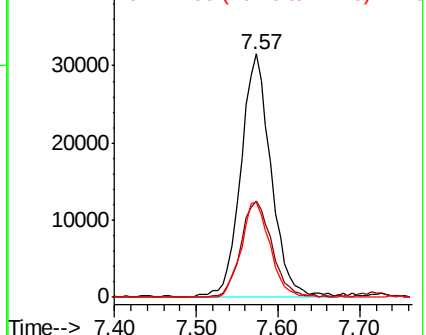
42 100

72 40.7 33.7 50.5

71 37.3 31.4 47.2



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



#30

Chloroform

Concen: 20.859 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065307.D

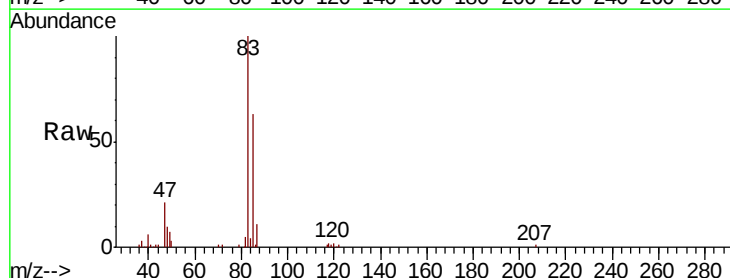
Acq: 25 Feb 2020 13:13

Tgt Ion: 83 Resp: 183873

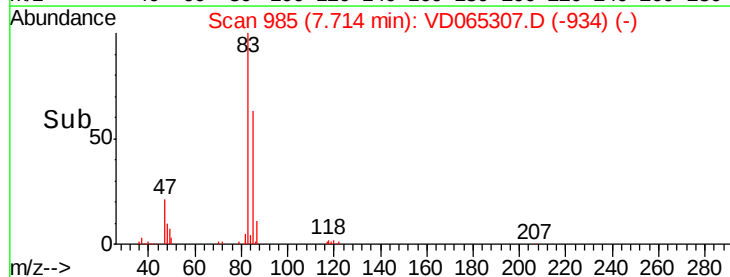
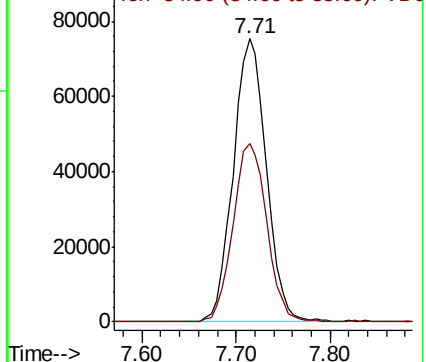
Ion Ratio Lower Upper

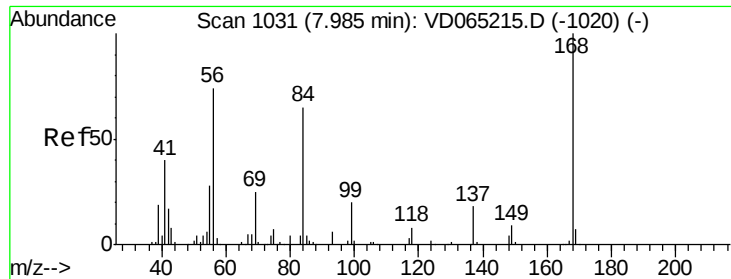
83 100

85 63.2 52.3 78.5



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

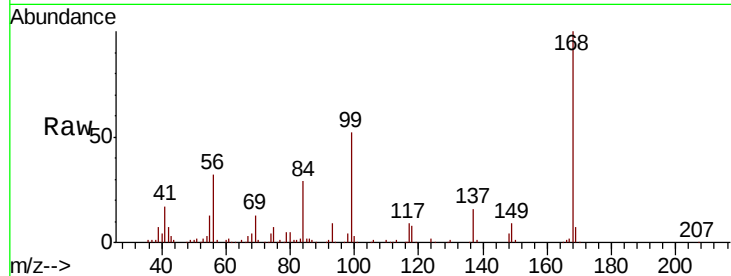




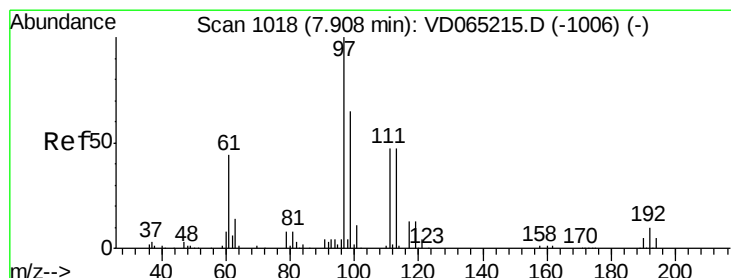
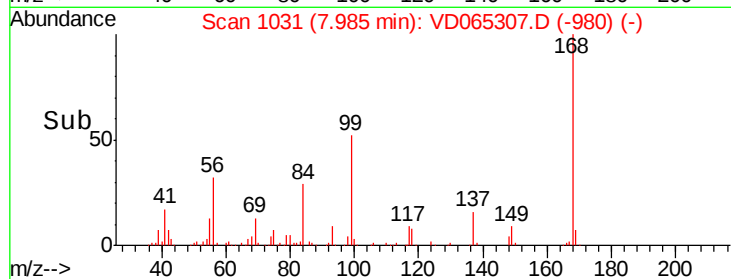
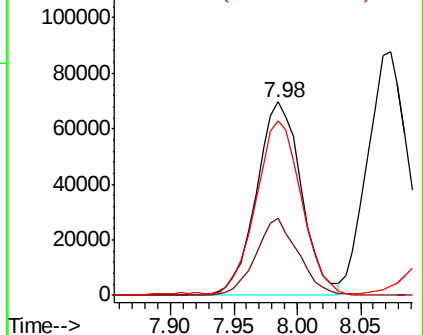
#31
Cyclohexane
Concen: 19.977 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 171734
Ion Ratio Lower Upper
56 100
69 40.2 27.4 41.0
84 89.3 71.1 106.7

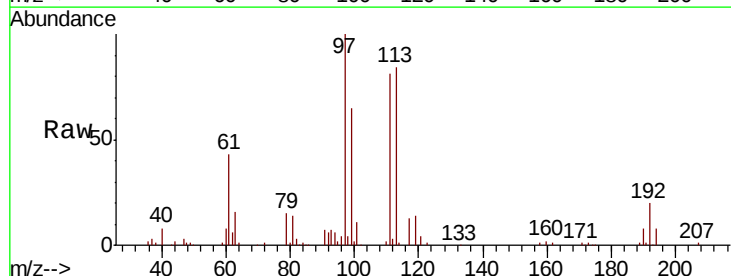


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

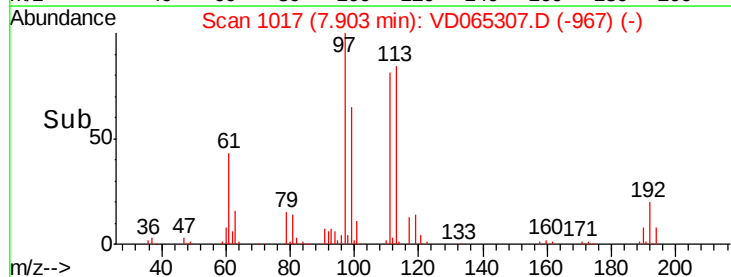
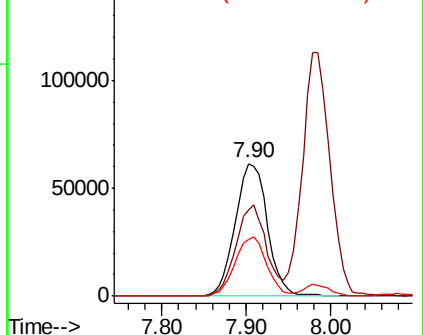


#32
1,1,1-Trichloroethane
Concen: 20.613 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 97 Resp: 162573
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.2
61 43.6 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 48.588 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

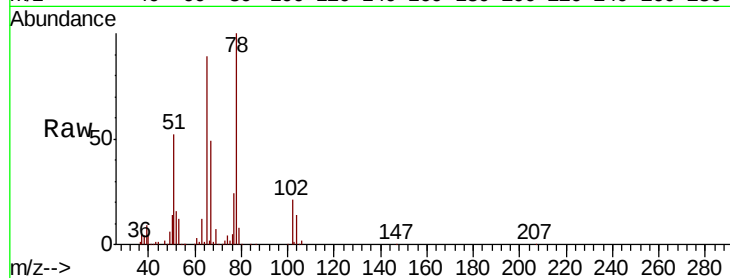
ClientSampleId :

Tot Ion: 65 Resp: 212437

Ion Ratio Lower Upper

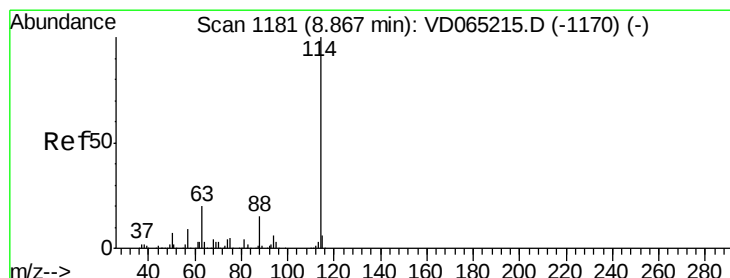
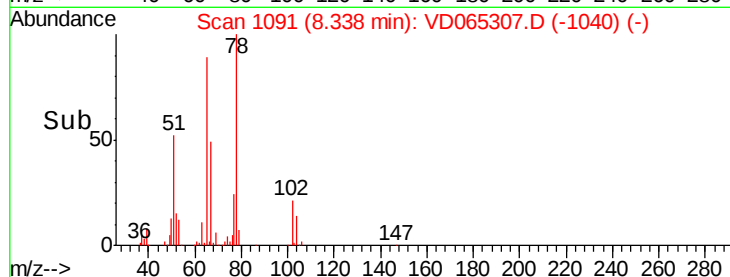
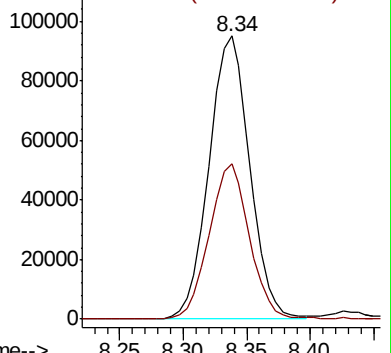
65 100

67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

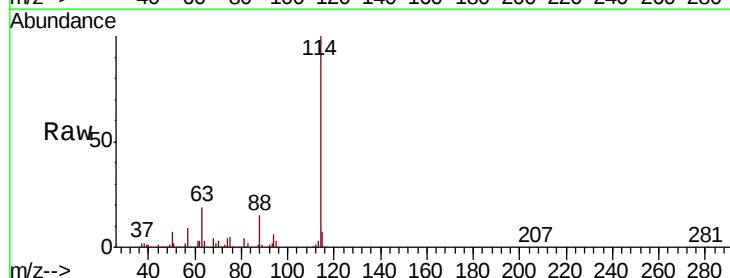
Tgt Ion: 114 Resp: 728830

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

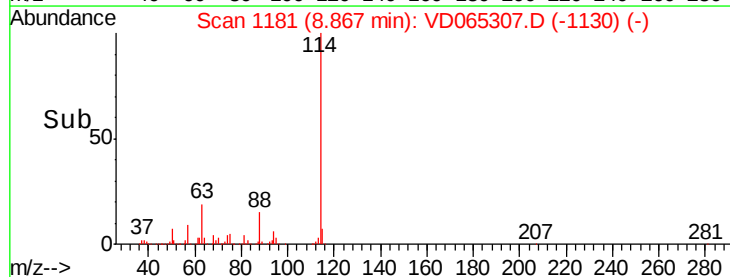
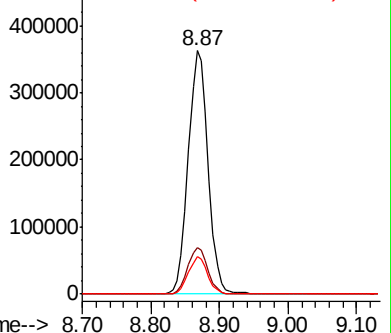
88 15.4 0.0 30.4

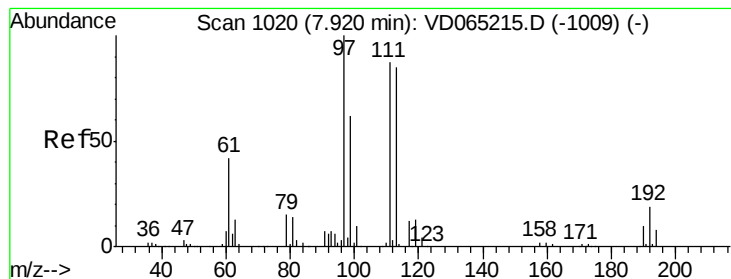


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.073 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

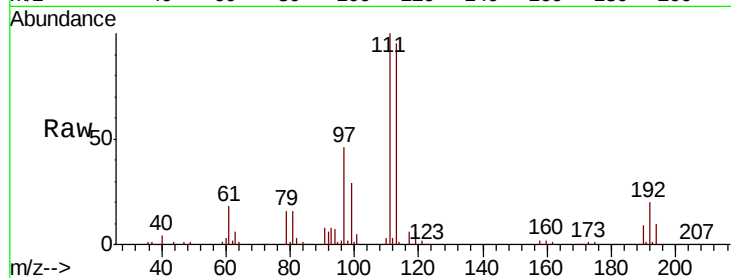
Tot Ion:113 Resp: 226968

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

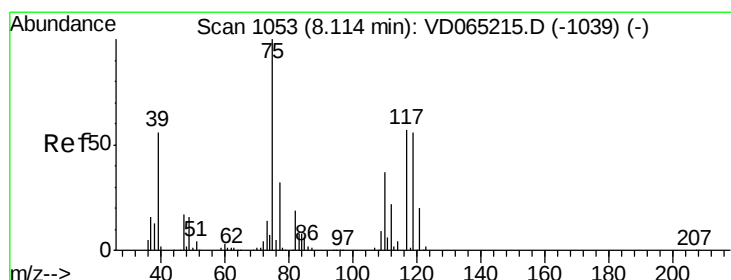
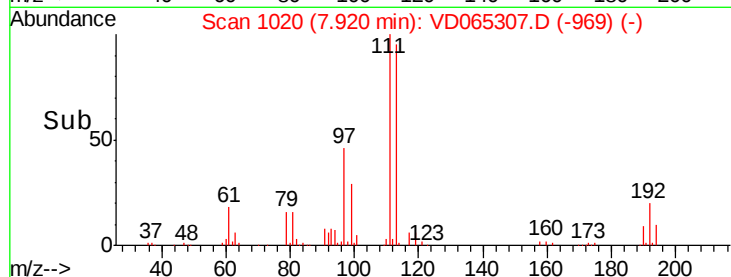
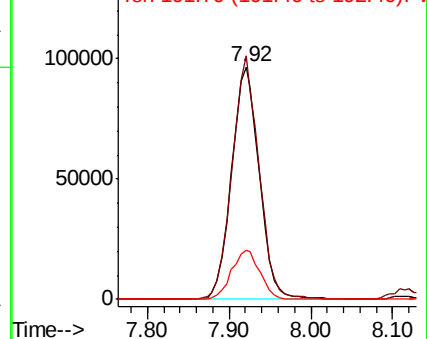
192 21.8 17.3 25.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.154 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

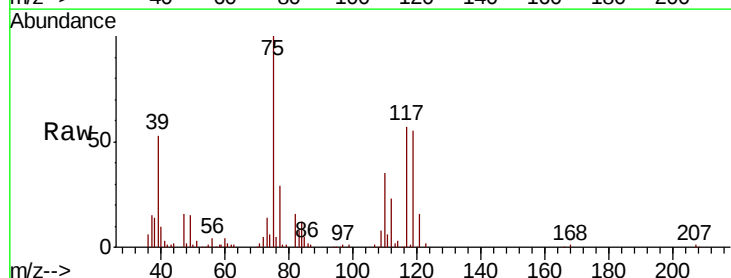
Tgt Ion: 75 Resp: 142920

Ion Ratio Lower Upper

75 100

110 36.4 17.9 53.7

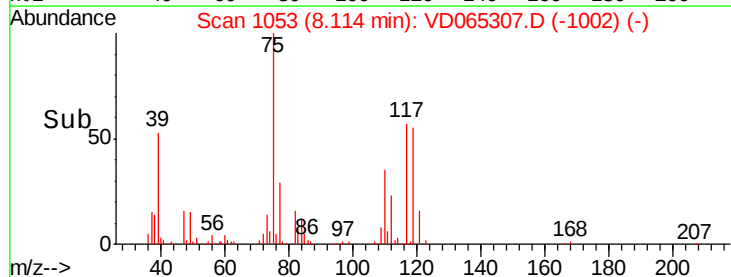
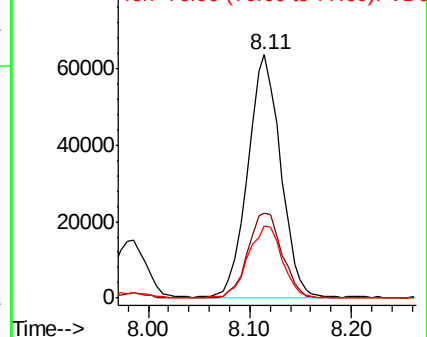
77 31.1 25.1 37.7

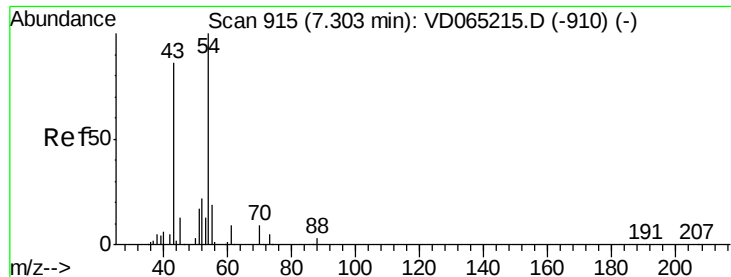


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

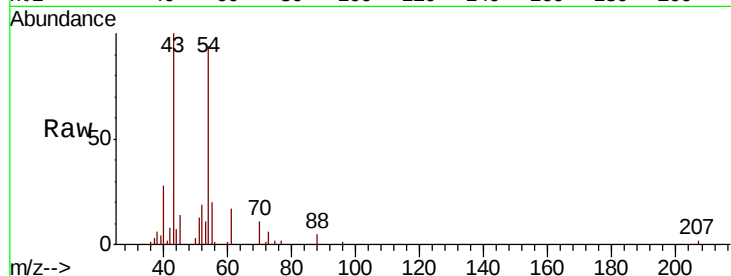




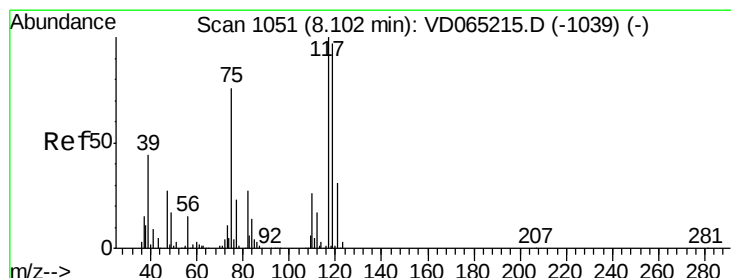
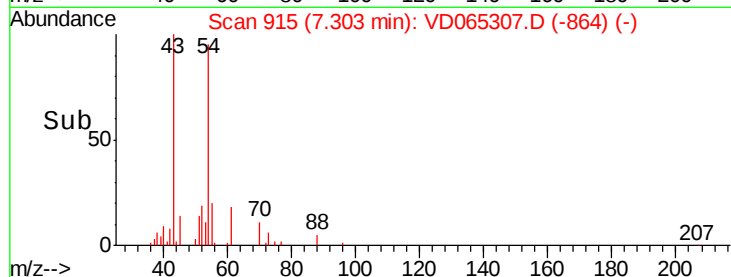
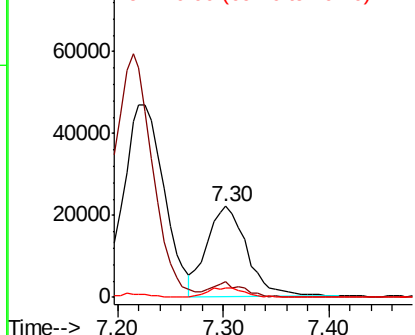
#37
Ethyl Acetate
Concen: 19.762 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 58585
Ion Ratio Lower Upper
43 100
61 14.2 11.2 16.8
70 10.1 8.2 12.2

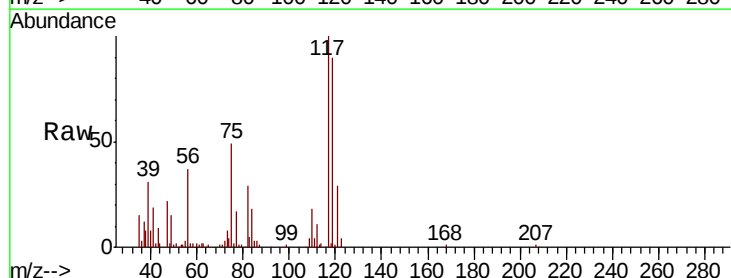


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

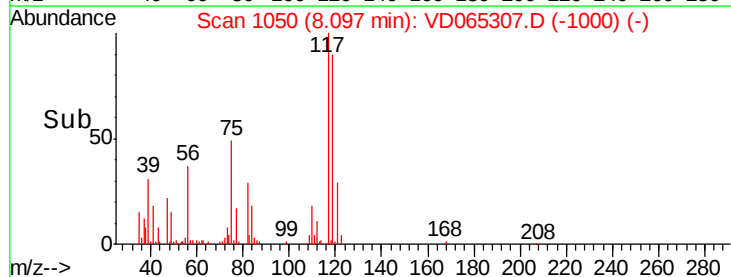
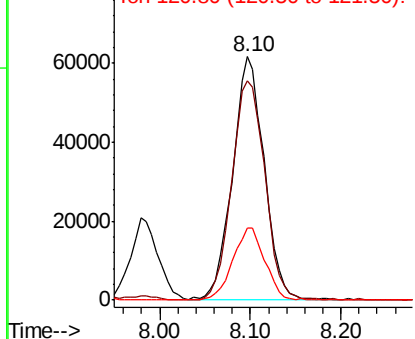


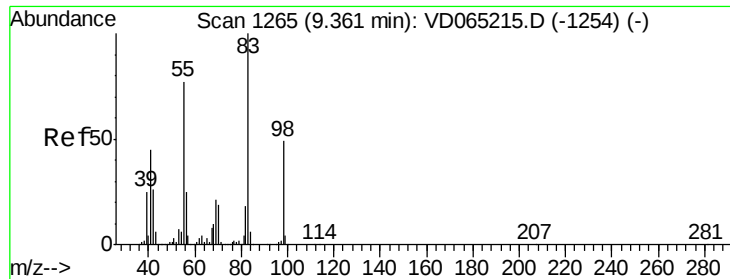
#38
Carbon Tetrachloride
Concen: 20.767 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 117 Resp: 149920
Ion Ratio Lower Upper
117 100
119 90.0 77.6 116.4
121 29.4 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

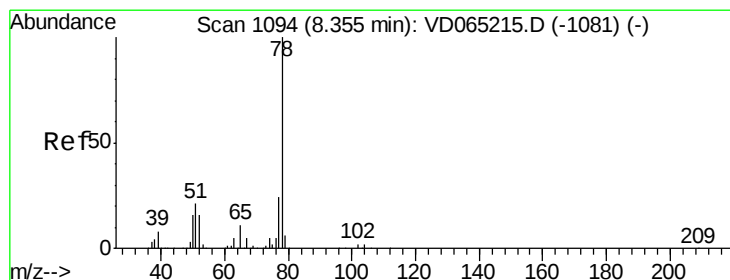
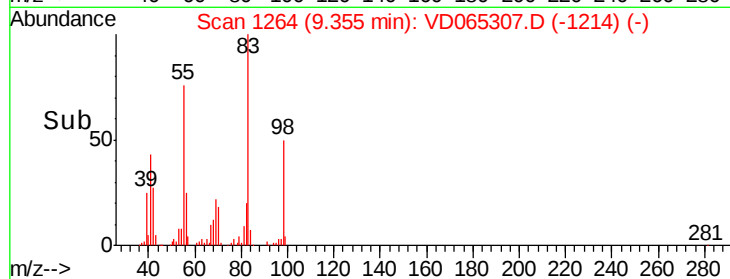
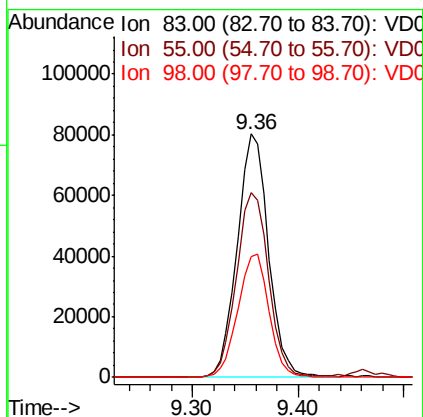
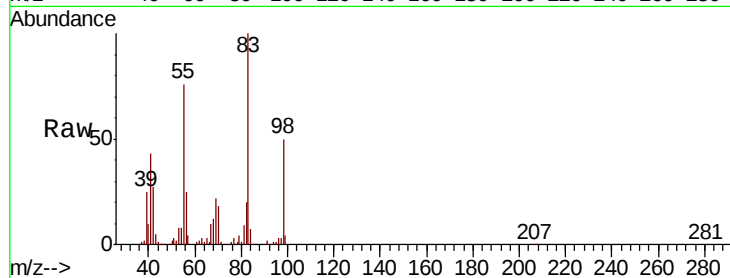




#39
Methvlcvclohexane
Concen: 19.789 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

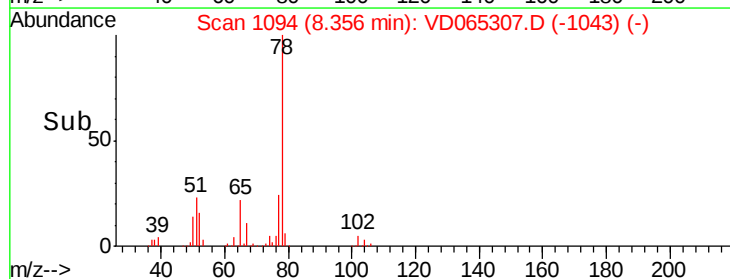
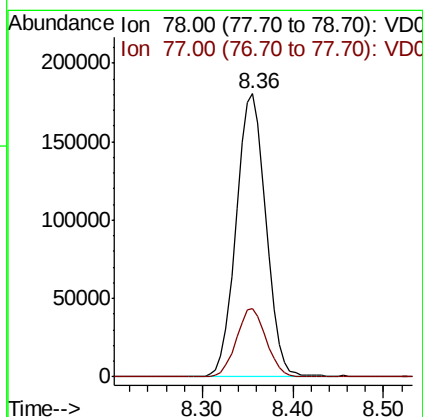
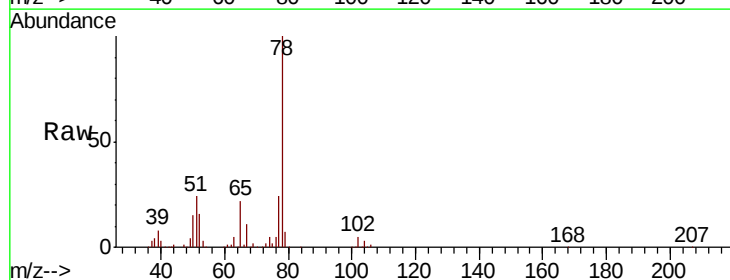
Instrument :
MSVOA_D
ClientSampled :

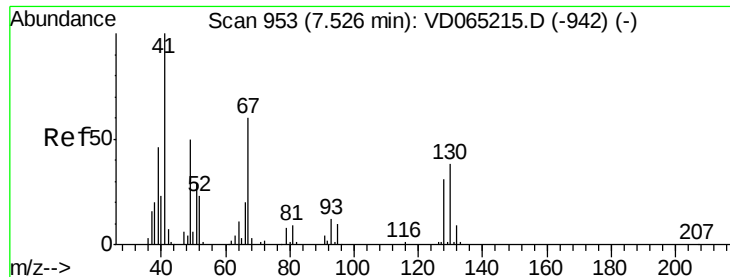
Tot Ion: 83 Resp: 164986
Ion Ratio Lower Upper
83 100
55 76.0 61.8 92.6
98 49.6 39.4 59.0



#40
Benzene
Concen: 20.600 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 78 Resp: 412352
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

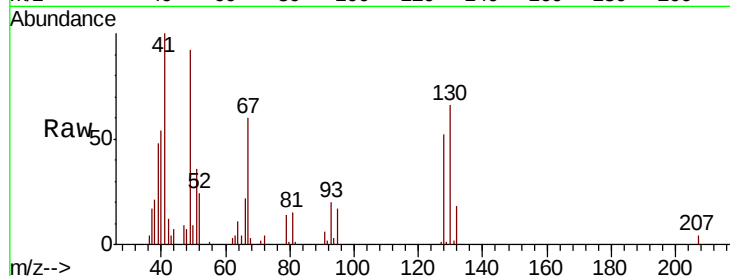




#41
Methacrylonitrile
Concen: 20.874 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	64.6	58.9	88.3
52	27.3	24.2	36.2



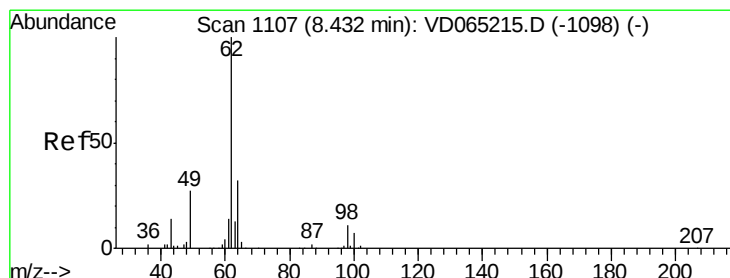
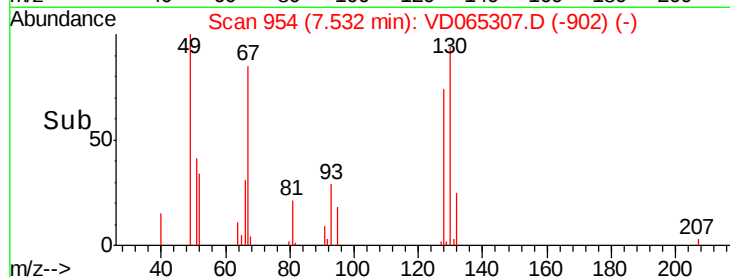
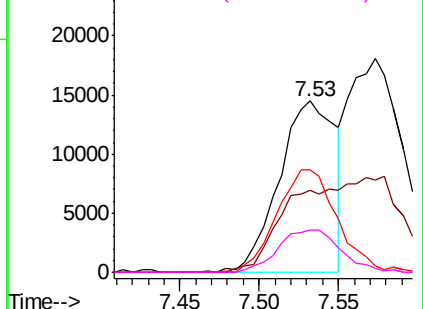
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

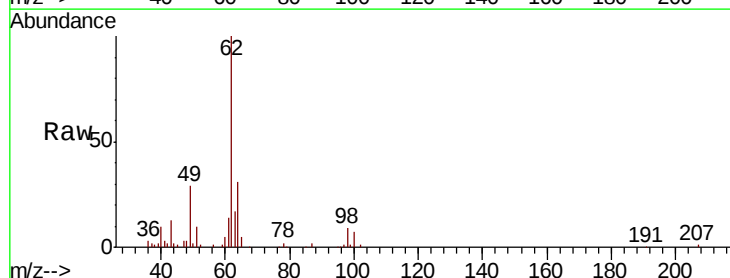
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 20.179 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

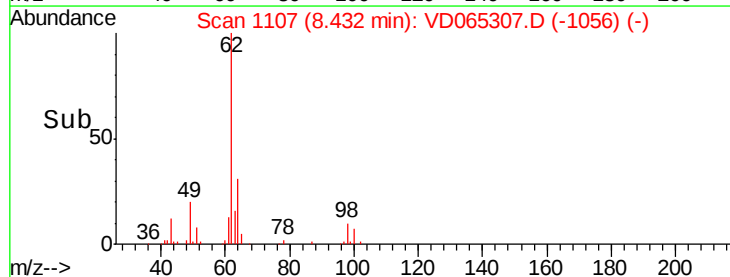
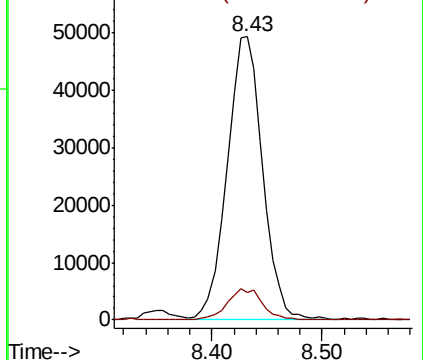
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6

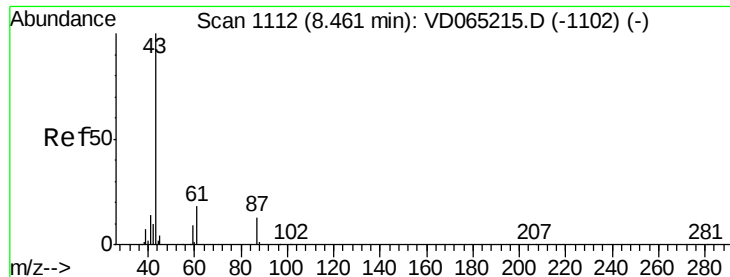


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



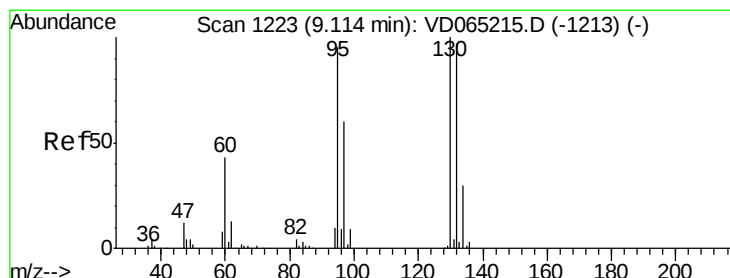
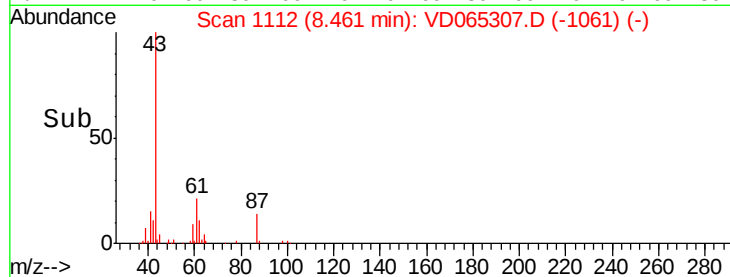
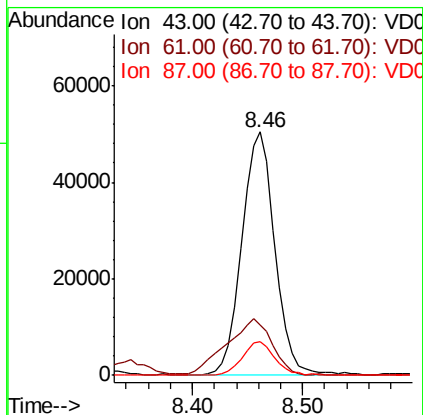
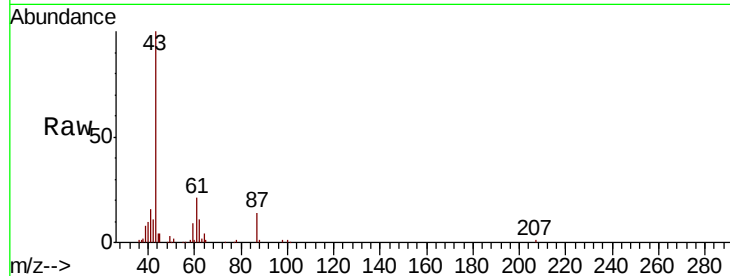


#43

Isopropyl Acetate
 Concen: 19.674 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :

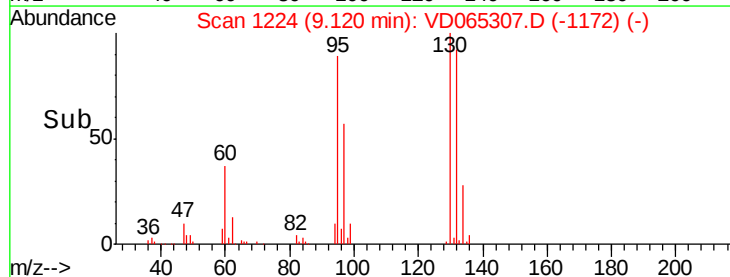
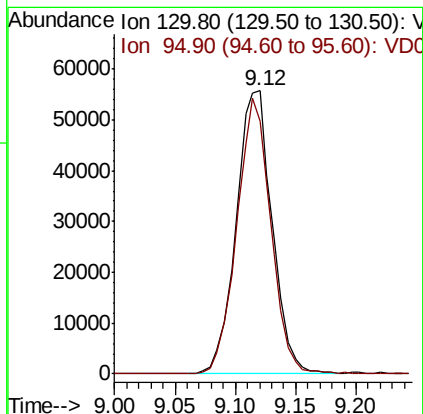
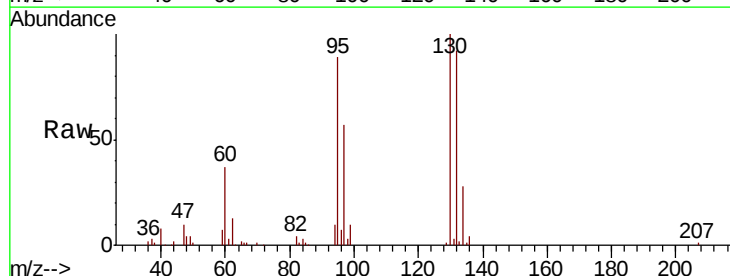
Tot Ion	43	Resp	106065
Ion Ratio	Lower	Upper	
43	100		
61	31.8	24.6	36.8
87	13.5	10.6	16.0



#44

Trichloroethene
 Concen: 20.828 ug/l
 RT: 9.12 min Scan# 1224
 Delta R.T. 0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	130	Resp	115562
Ion Ratio	Lower	Upper	
130	100		
95	89.4	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.749 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

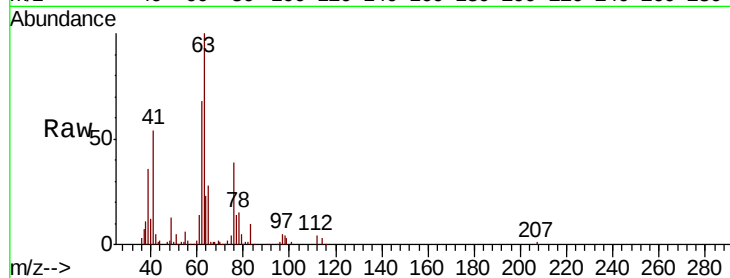
ClientSampleId :

Tot Ion: 63 Resp: 103273

Ion Ratio Lower Upper

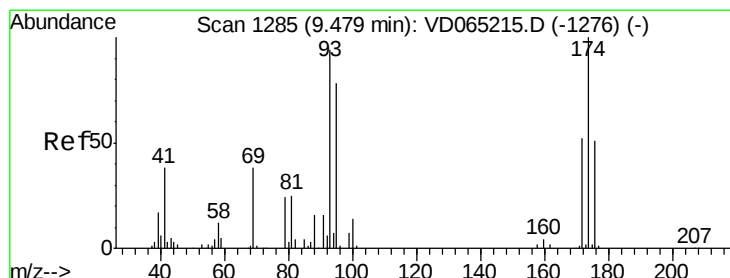
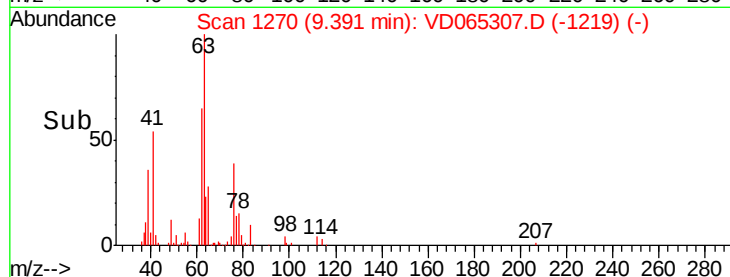
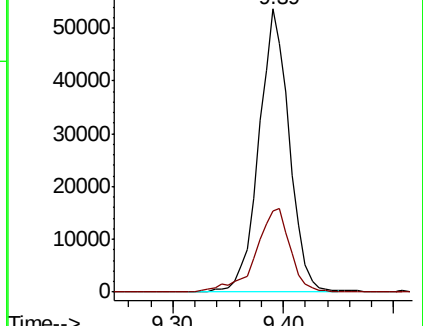
63 100

65 28.5 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.761 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

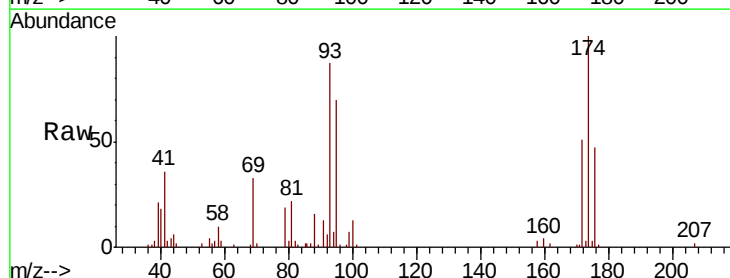
Tgt Ion: 93 Resp: 53168

Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.6

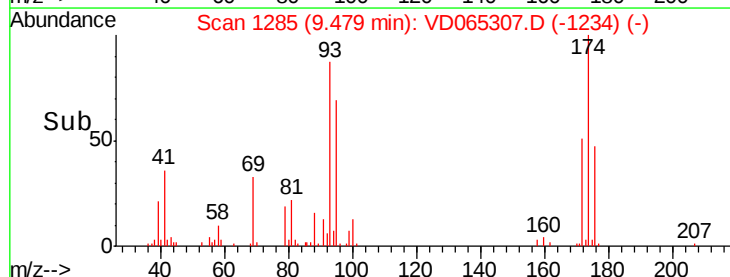
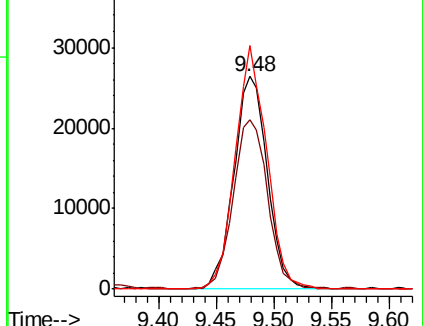
174 107.8 86.8 130.2

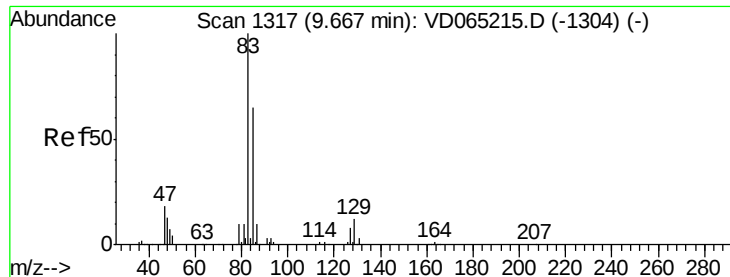


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.537 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

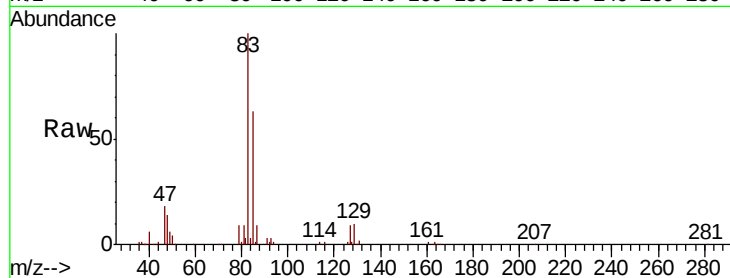
Tot Ion: 83 Resp: 138599

Ion Ratio Lower Upper

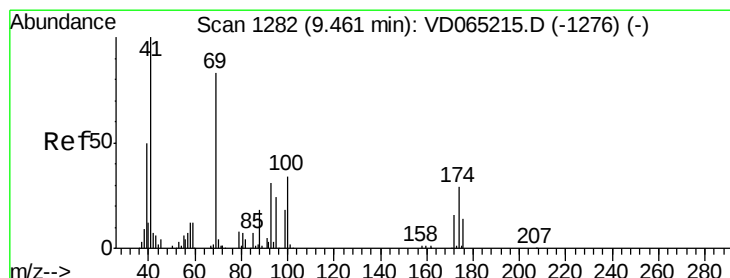
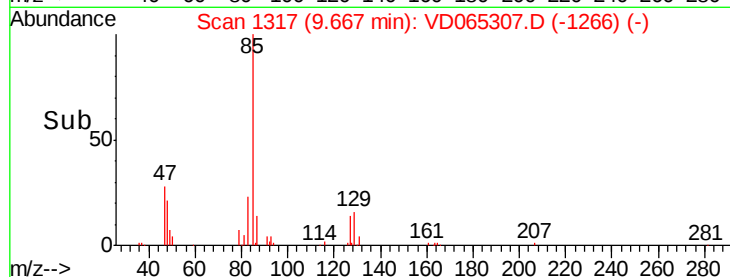
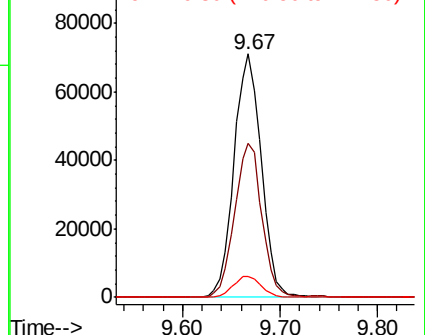
83 100

85 63.1 52.0 78.0

127 8.7 6.7 10.1



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



#48

Methyl methacrylate

Concen: 20.350 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

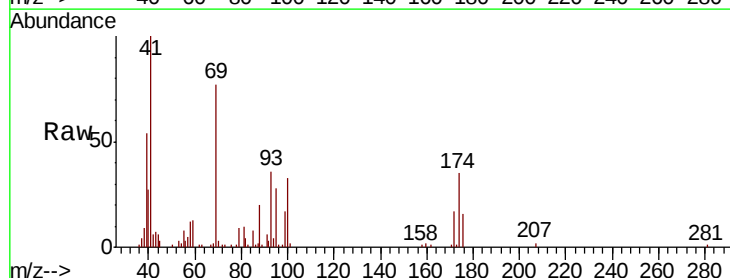
Tgt Ion: 41 Resp: 50709

Ion Ratio Lower Upper

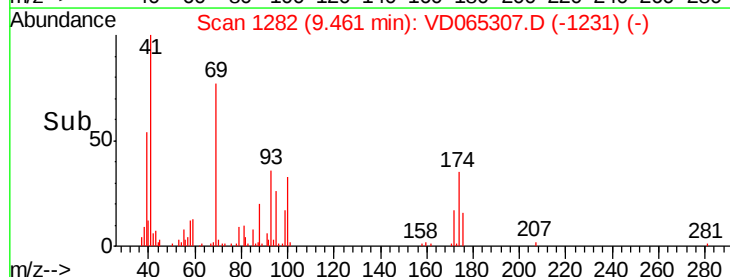
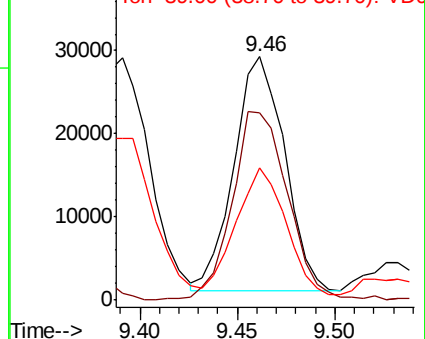
41 100

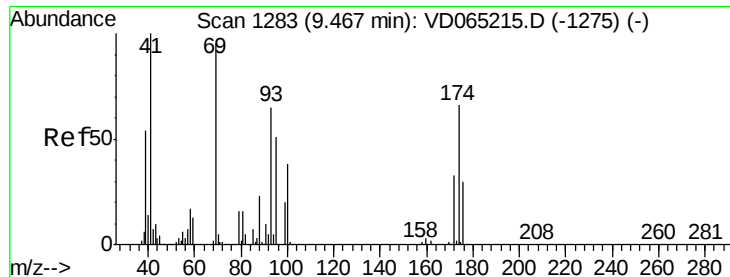
69 89.2 68.2 102.2

39 52.4 42.0 63.0



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

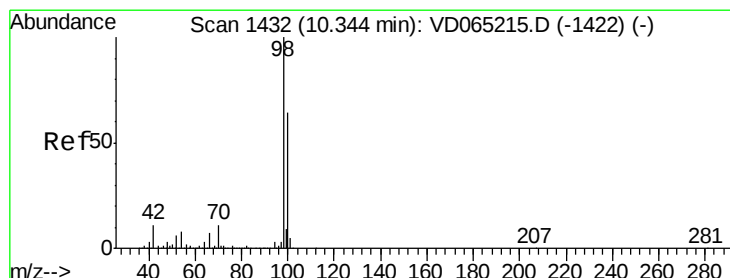
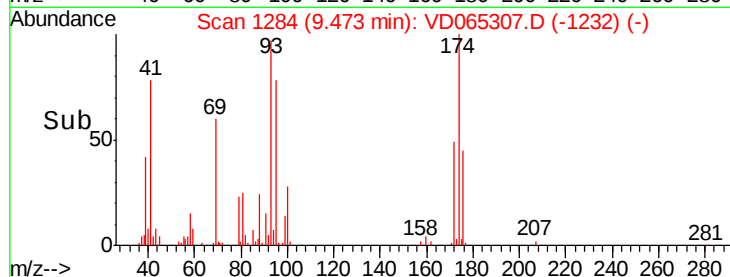
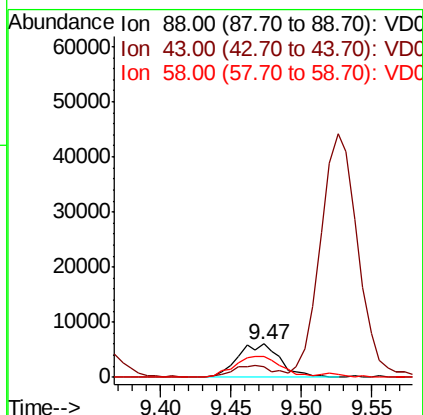
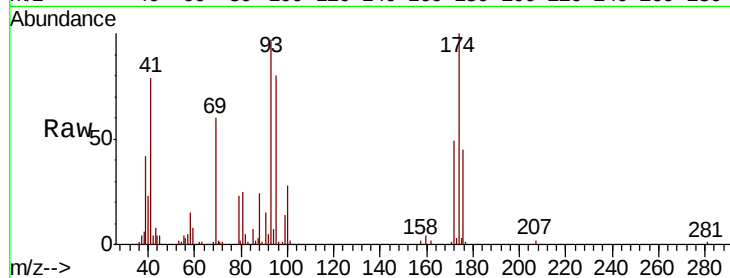




#49
1,4-Dioxane
Concen: 430.355 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

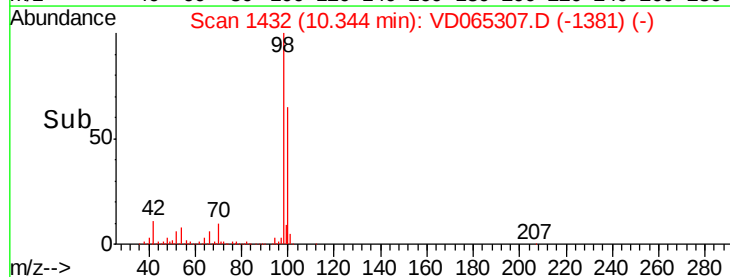
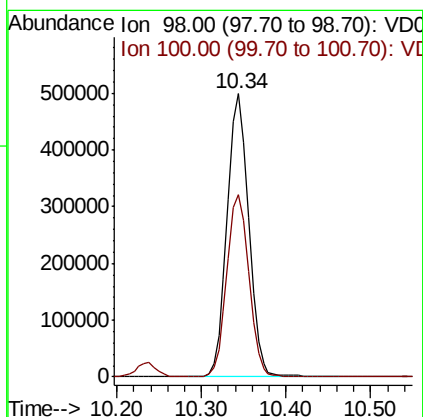
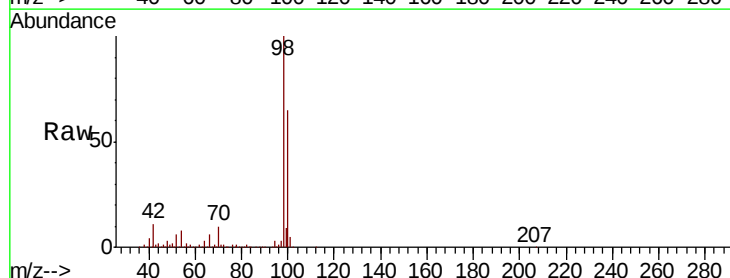
Instrument :
MSVOA_D
ClientSampleId :

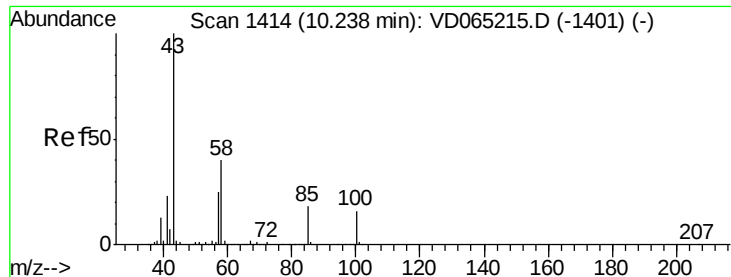
Tot Ion: 88 Resp: 12926
Ion Ratio Lower Upper
88 100
43 36.2 28.5 42.7
58 67.4 58.6 87.8



#50
Toluene-d8
Concen: 51.970 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 98 Resp: 882905
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0

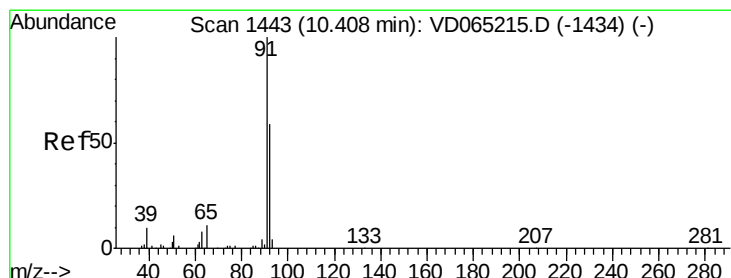
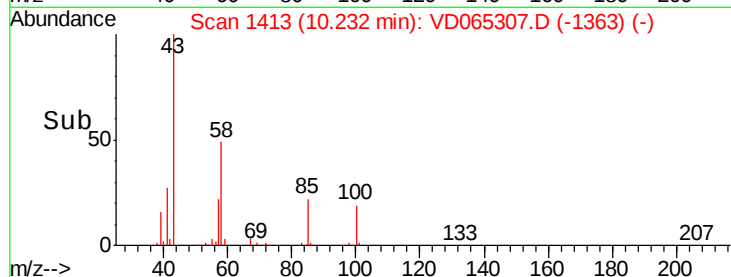
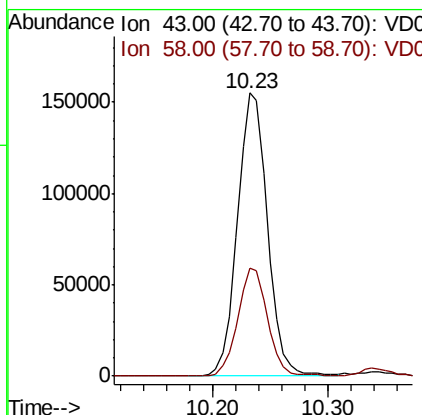
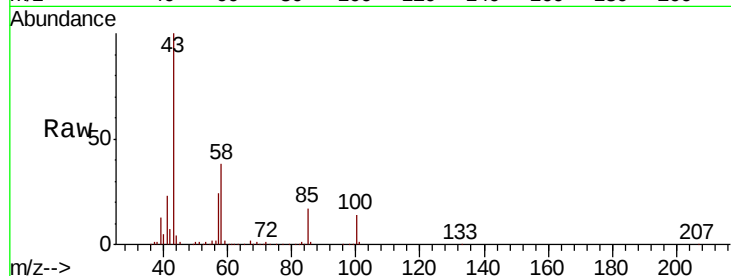




#51
4-Methyl-2-Pentanone
Concen: 102.058 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

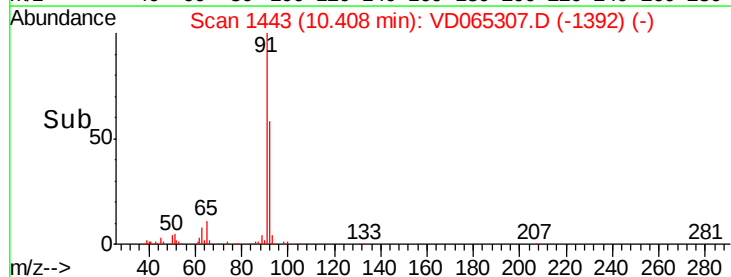
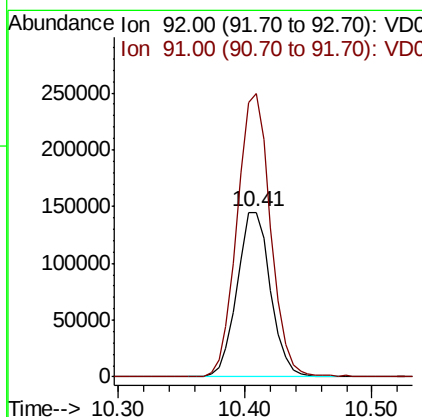
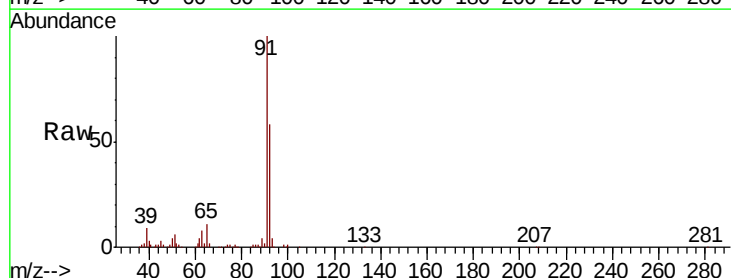
Instrument :
MSVOA_D
ClientSampleId :

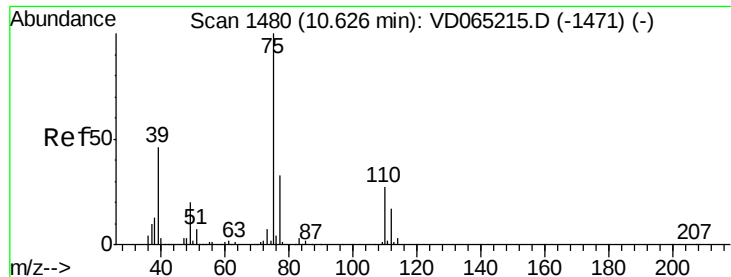
Tot Ion: 43 Resp: 279453
Ion Ratio Lower Upper
43 100
58 38.0 31.1 46.7



#52
Toluene
Concen: 21.471 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 92 Resp: 266022
Ion Ratio Lower Upper
92 100
91 172.0 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 20.407 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

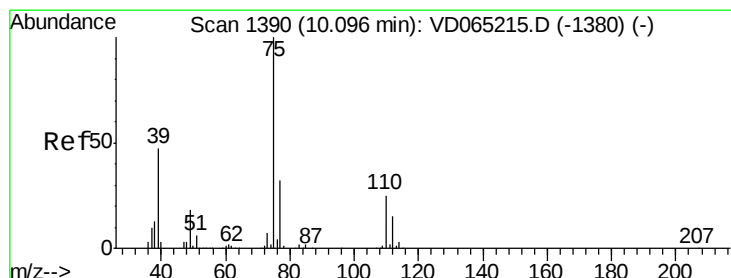
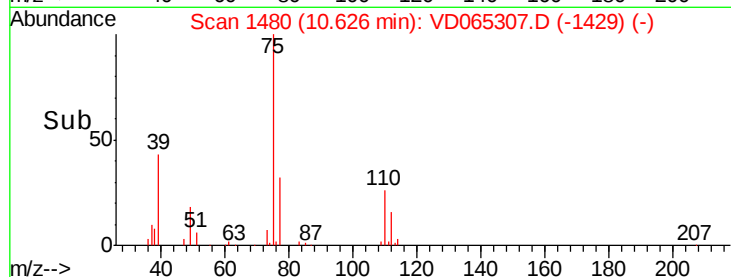
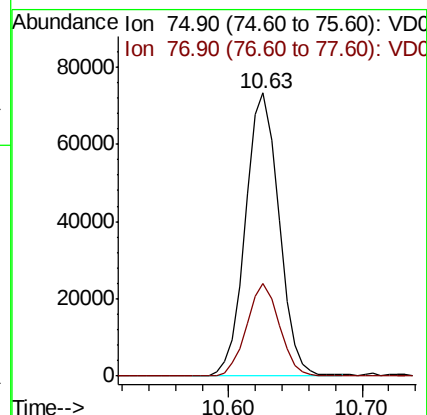
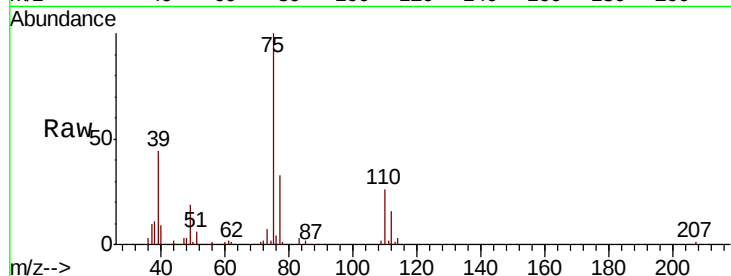
ClientSampleId :

Tot Ion: 75 Resp: 127656

Ion Ratio Lower Upper

75 100

77 32.6 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 20.590 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

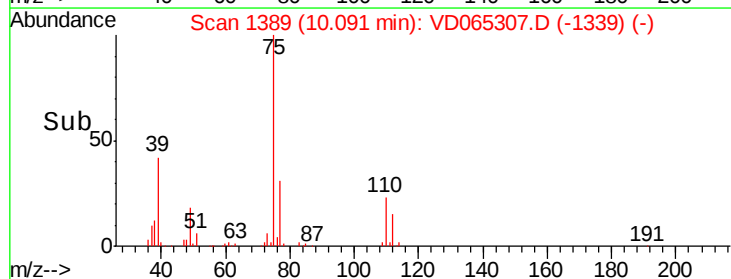
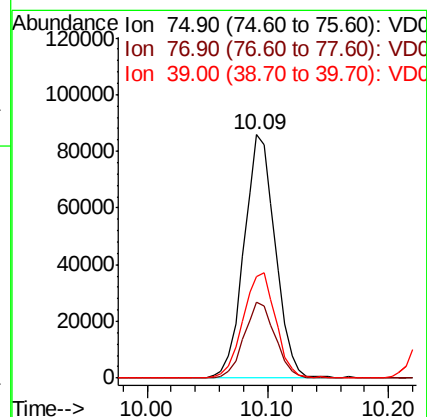
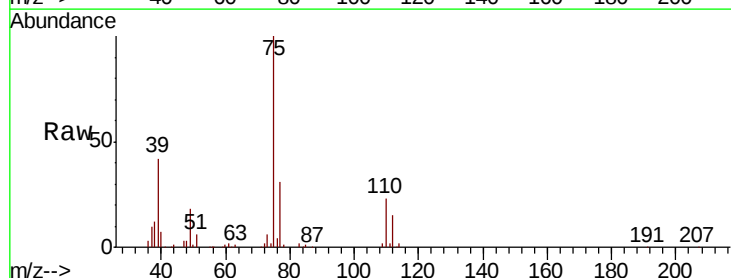
Tgt Ion: 75 Resp: 155534

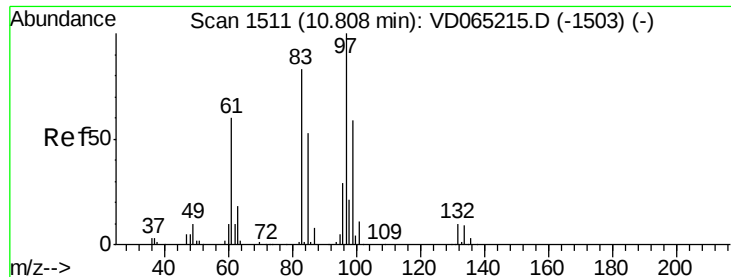
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8

39 41.8 37.3 55.9

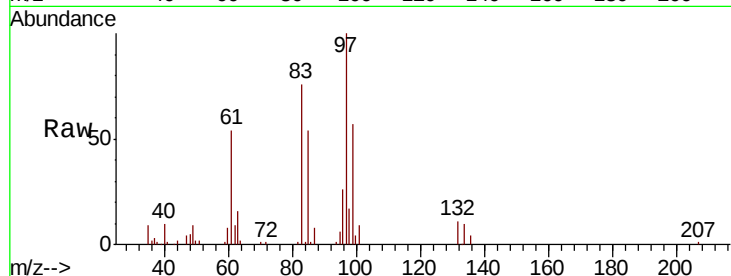




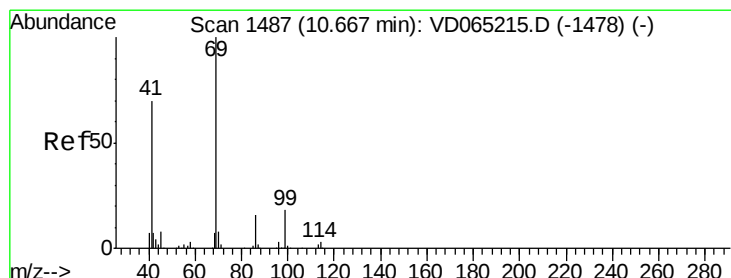
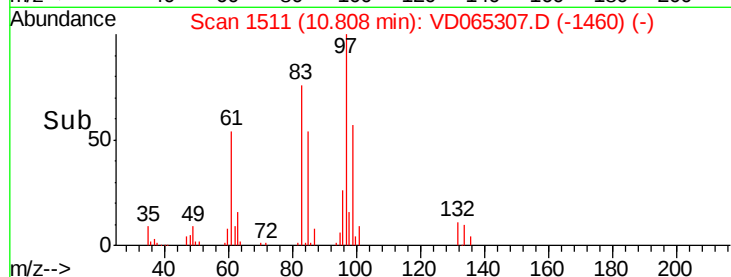
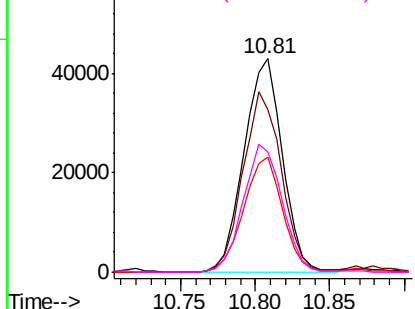
#55
 1,1,2-Trichloroethane
 Concen: 21.255 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 76614
 Ion Ratio Lower Upper
 97 100
 83 76.2 66.7 100.1
 85 53.8 42.4 63.6
 99 56.6 47.5 71.3

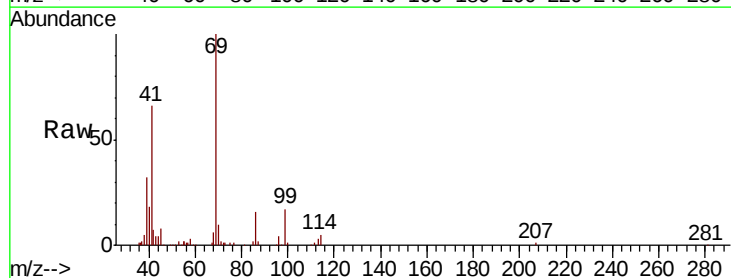


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

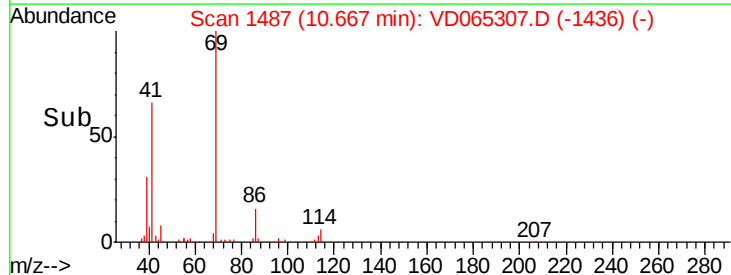
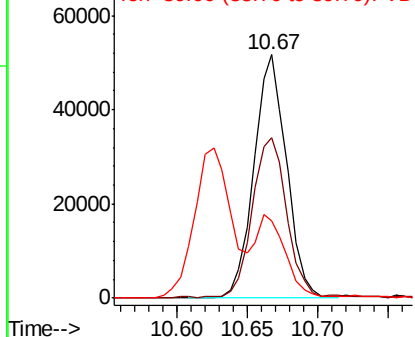


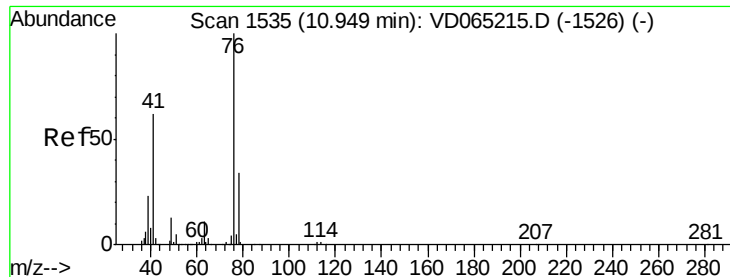
#56
 Ethyl methacrylate
 Concen: 20.206 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion: 69 Resp: 84066
 Ion Ratio Lower Upper
 69 100
 41 71.0 54.6 81.8
 39 30.5 26.5 39.7



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





#57

1,3-Dichloropropane

Concen: 20.452 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

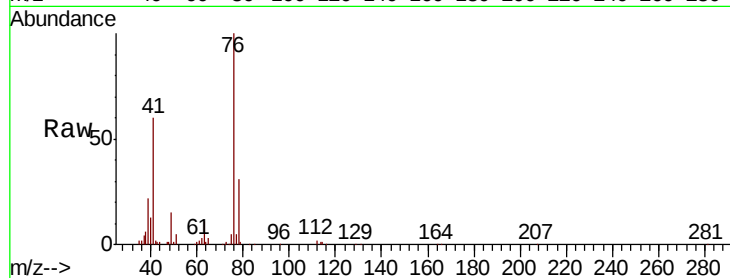
ClientSampled :

Tot Ion: 76 Resp: 125468

Ion Ratio Lower Upper

76 100

78 33.1 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

60000

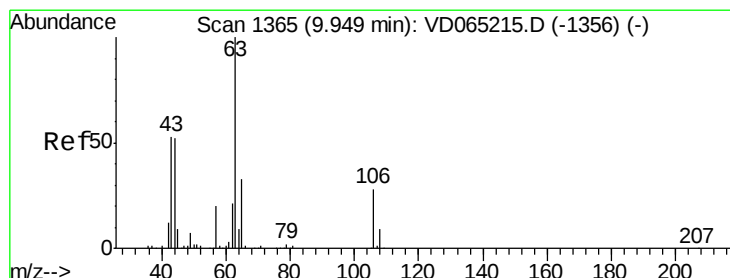
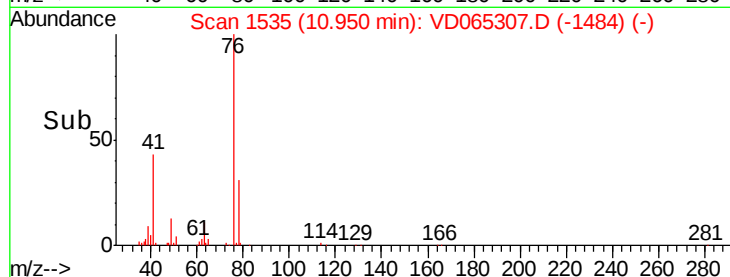
40000

20000

0

10.90 11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 97.089 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065307.D

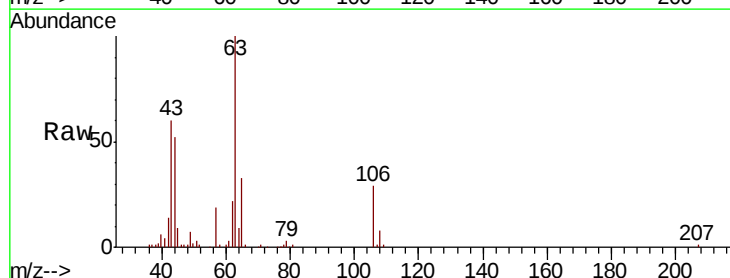
Acq: 25 Feb 2020 13:13

Tgt Ion: 63 Resp: 127347

Ion Ratio Lower Upper

63 100

106 29.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

80000

60000

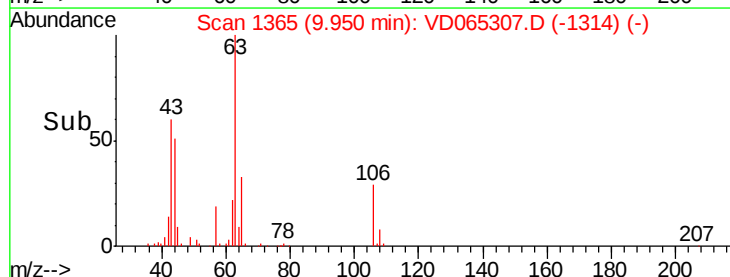
40000

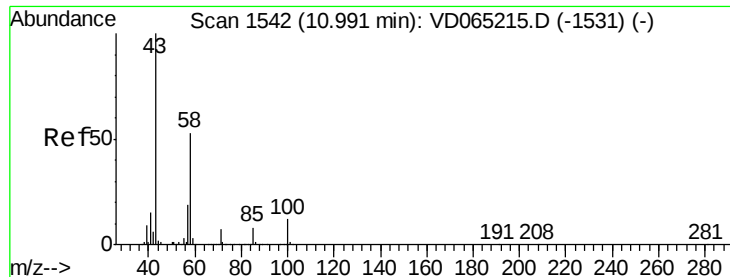
20000

0

9.90 10.00

Time-->

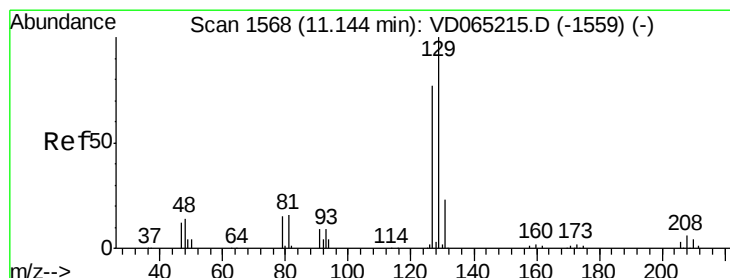
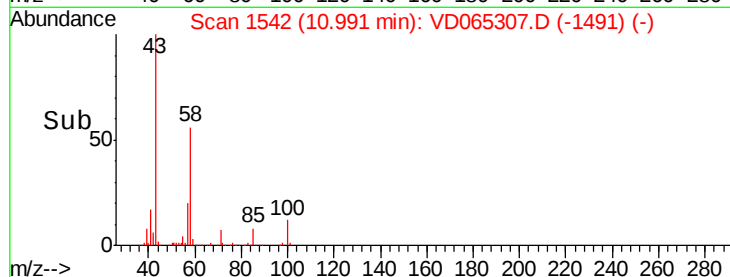
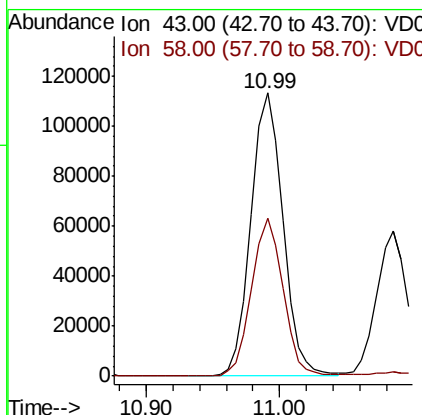
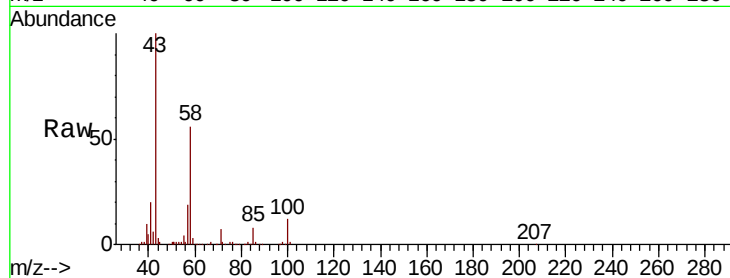




#59
2-Hexanone
Concen: 95.962 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

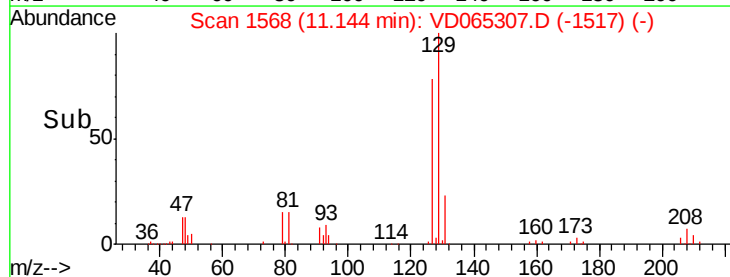
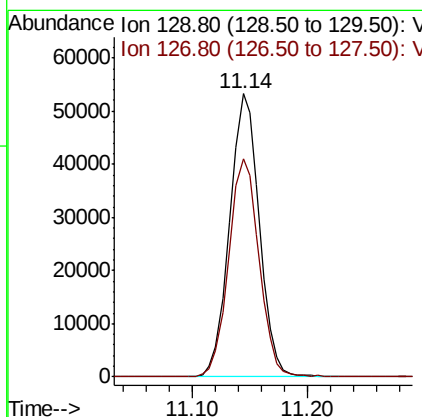
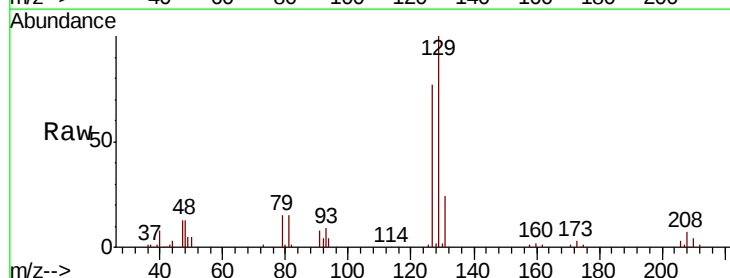
Instrument :
MSVOA_D
ClientSampled :

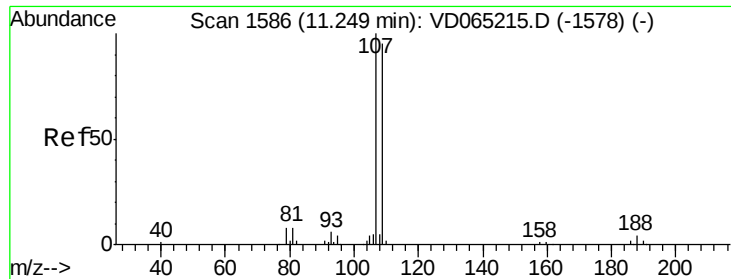
Tot Ion: 43 Resp: 188094
Ion Ratio Lower Upper
43 100
58 55.0 26.3 78.8



#60
Dibromochloromethane
Concen: 20.524 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 129 Resp: 94688
Ion Ratio Lower Upper
129 100
127 79.0 38.7 116.1

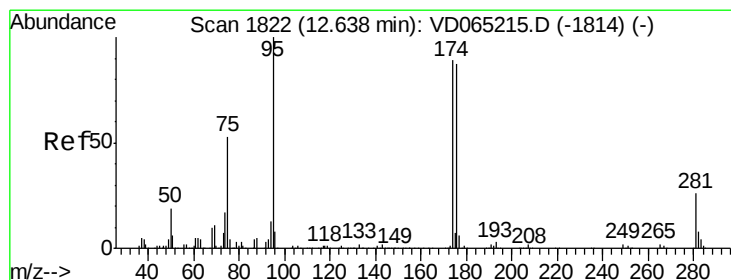
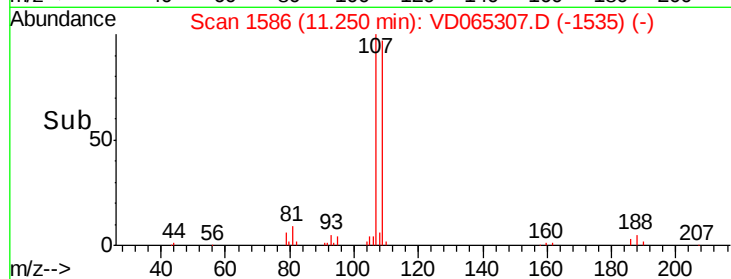
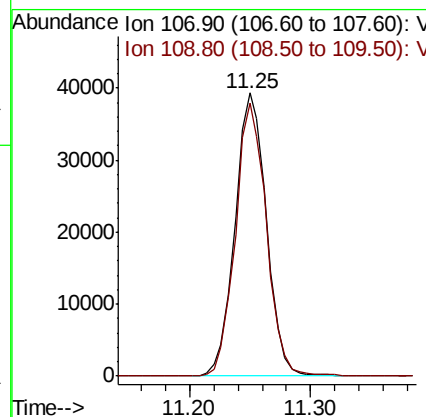
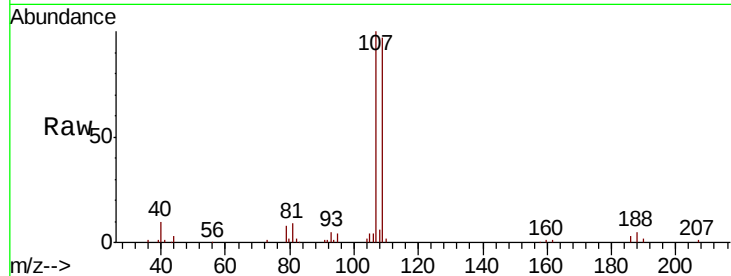




#61
 1,2-Dibromoethane
 Concen: 20.849 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

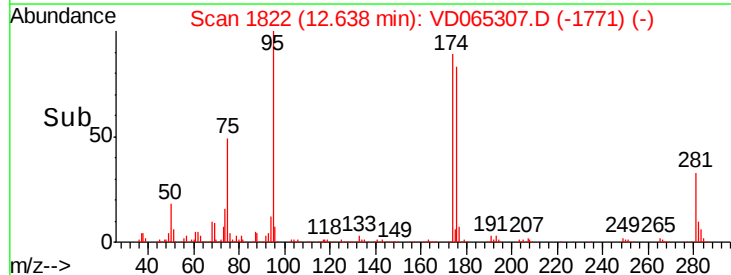
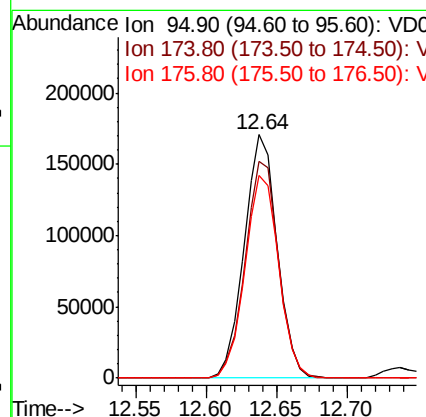
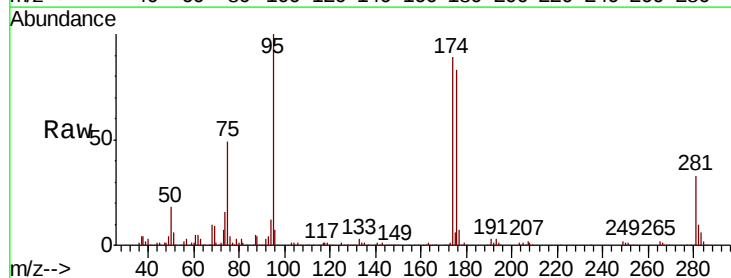
Instrument :
 MSVOA_D
 ClientSampleId :

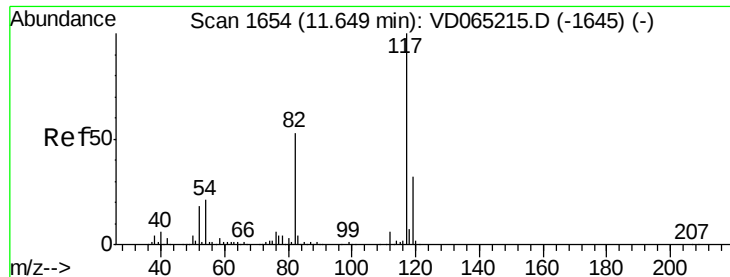
Tot Ion:107 Resp: 71155
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 51.766 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion: 95 Resp: 278604
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 178.0
 176 85.4 0.0 174.4

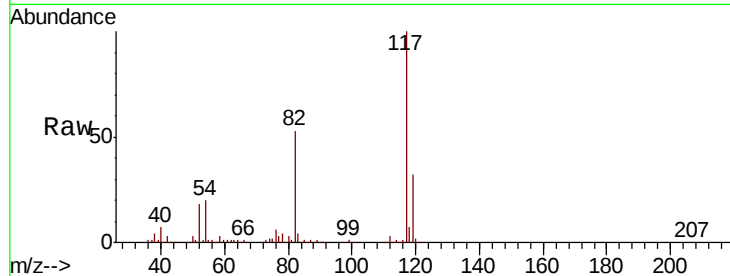




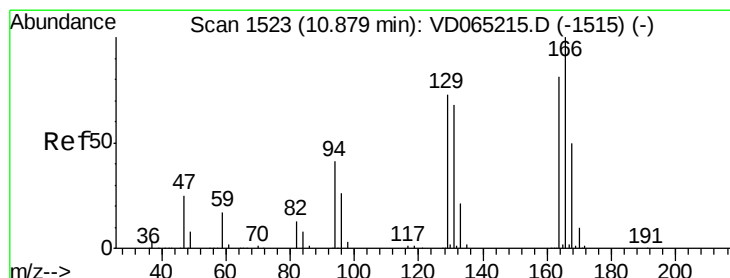
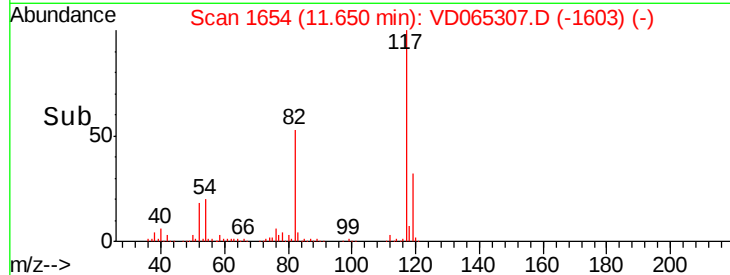
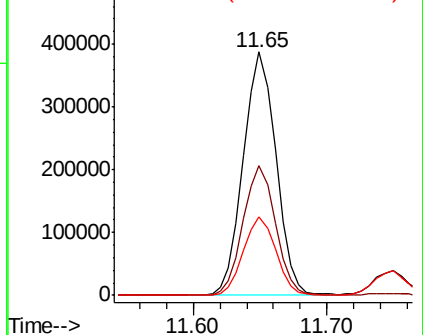
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 659302
Ion Ratio Lower Upper
117 100
82 53.5 42.7 64.1
119 32.2 25.5 38.3

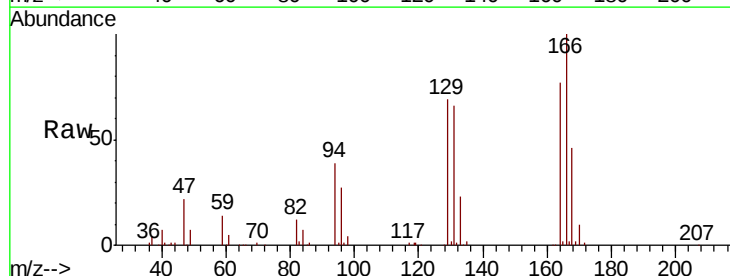


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

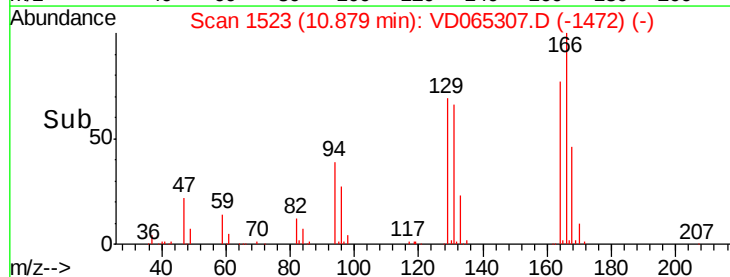
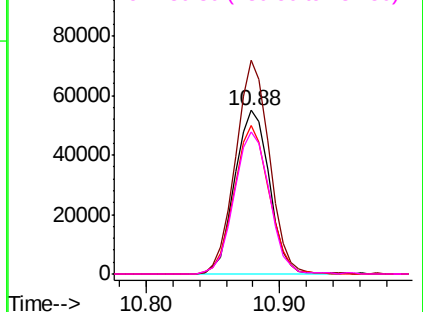


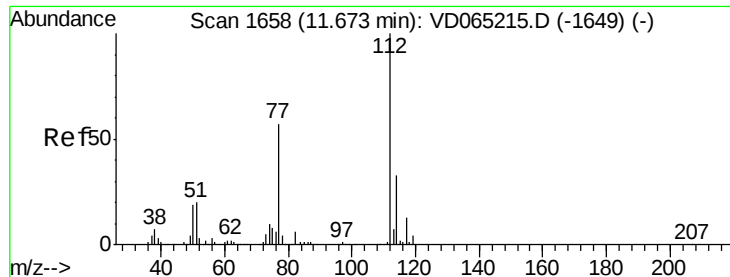
#64
Tetrachloroethene
Concen: 21.168 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion:164 Resp: 98983
Ion Ratio Lower Upper
164 100
166 130.6 98.4 147.6
129 90.6 71.6 107.4
131 86.5 67.3 100.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

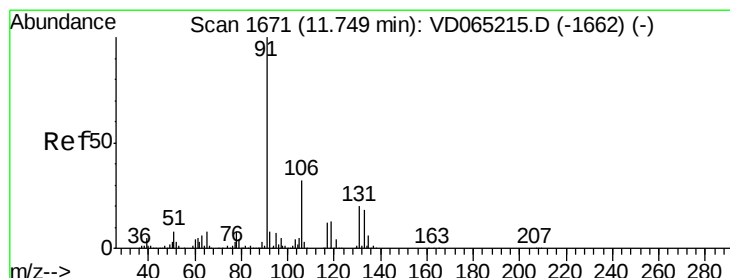
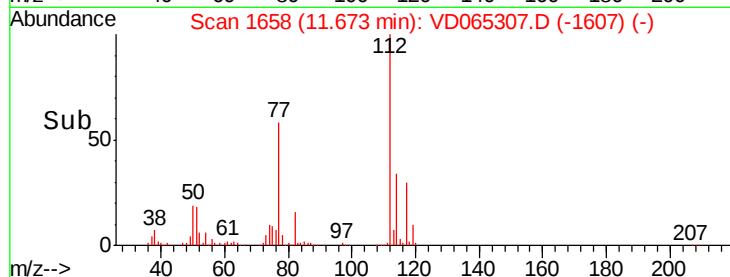
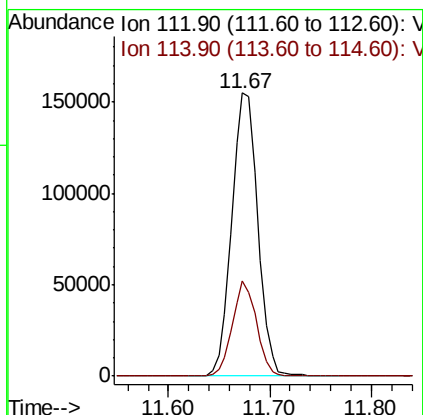
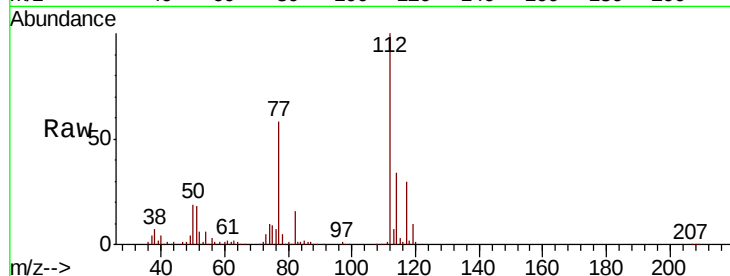




#65
Chlorobenzene
Concen: 20.949 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

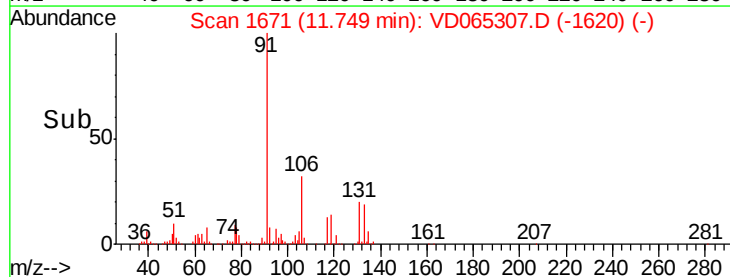
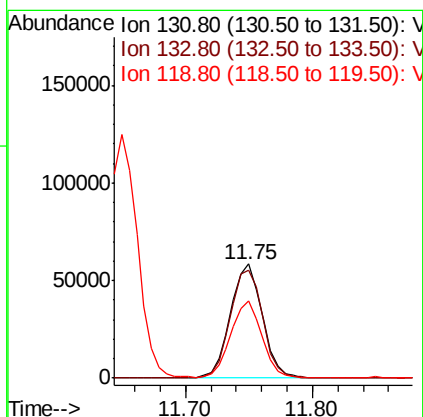
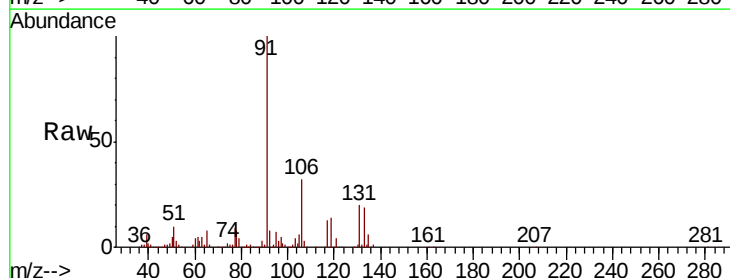
Instrument :
MSVOA_D
ClientSampleId :

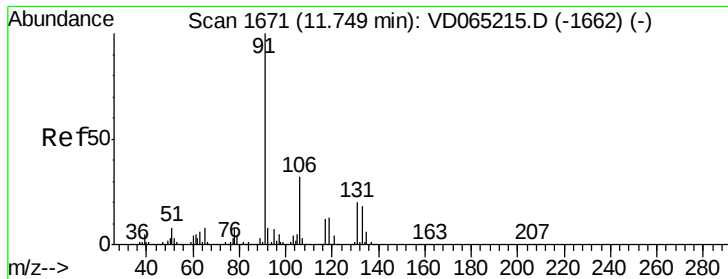
Tot Ion:112 Resp: 277171
Ion Ratio Lower Upper
112 100
114 33.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.508 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion:131 Resp: 101254
Ion Ratio Lower Upper
131 100
133 97.1 47.7 143.1
119 66.4 32.7 98.1





#67

Ethyl Benzene

Concen: 20.656 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

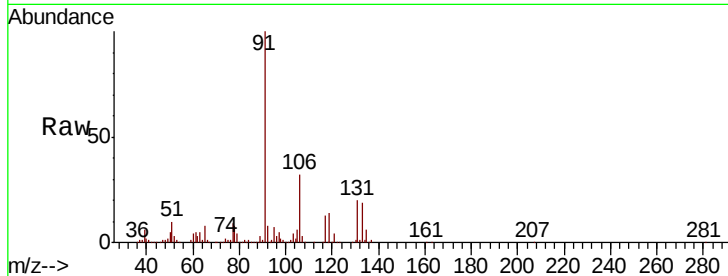
ClientSampled :

Tot Ion: 91 Resp: 478641

Ion Ratio Lower Upper

91 100

106 31.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

400000

300000

200000

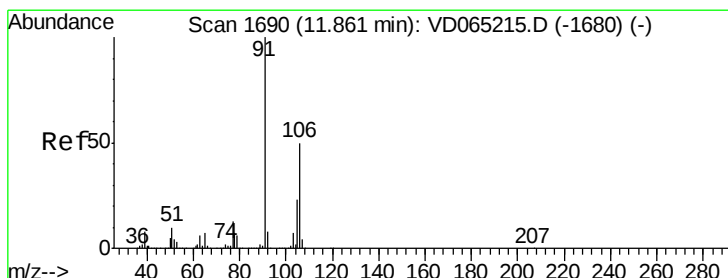
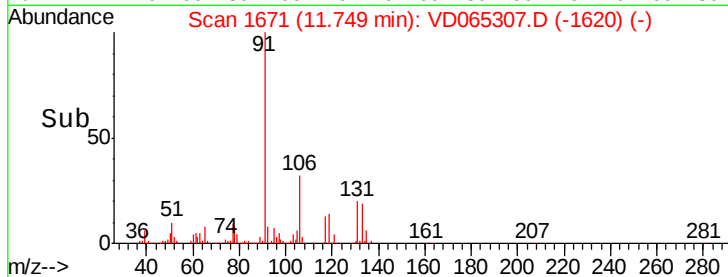
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 42.817 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065307.D

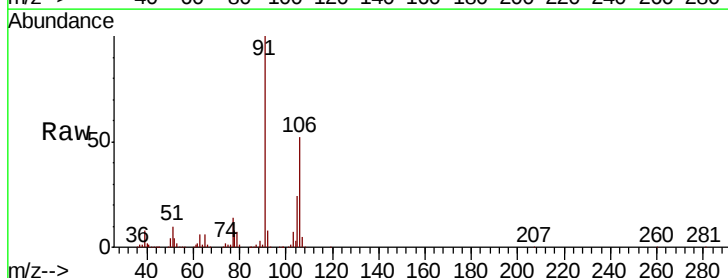
Acq: 25 Feb 2020 13:13

Tgt Ion: 106 Resp: 379588

Ion Ratio Lower Upper

106 100

91 196.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

300000

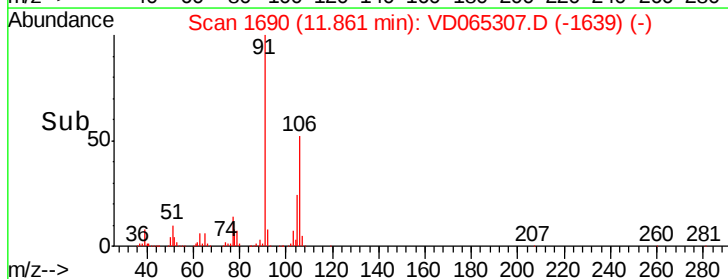
200000

100000

0

11.86

Time-->

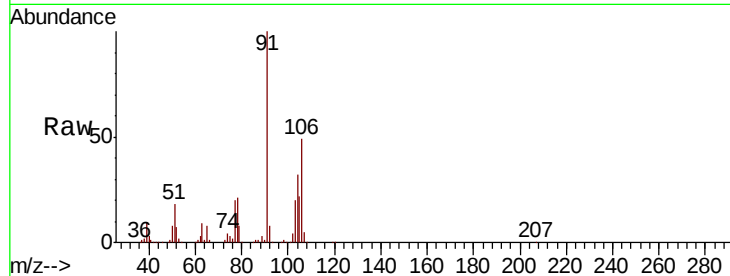




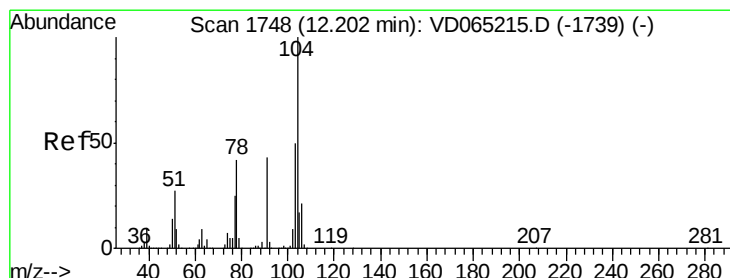
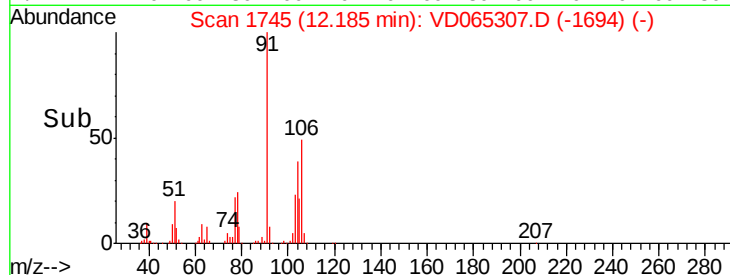
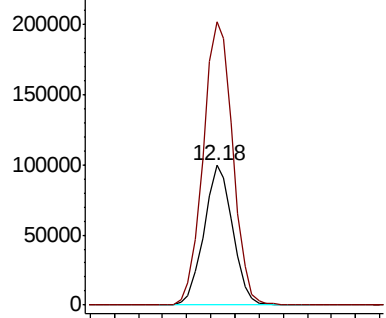
#69
o-Xylene
Concen: 20.943 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 164490
Ion Ratio Lower Upper
106 100
91 208.4 104.7 313.9

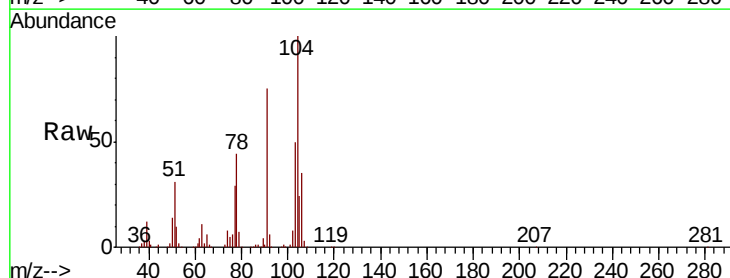


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

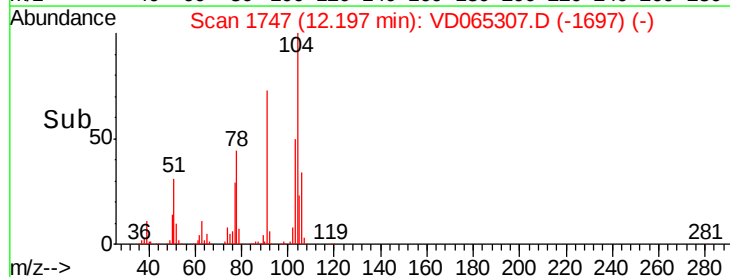
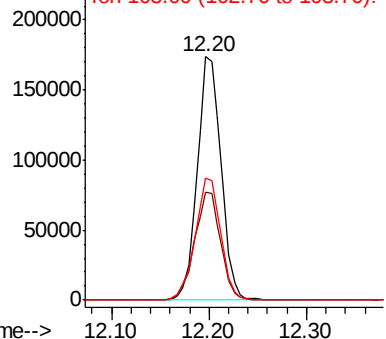


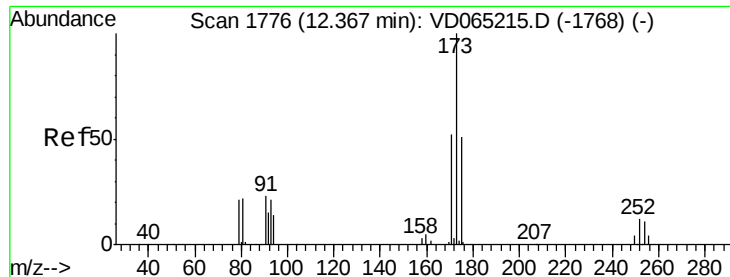
#70
Styrene
Concen: 21.047 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion:104 Resp: 293494
Ion Ratio Lower Upper
104 100
78 48.2 37.8 56.6
103 53.7 43.4 65.2



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





#71

Bromoform

Concen: 20.868 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

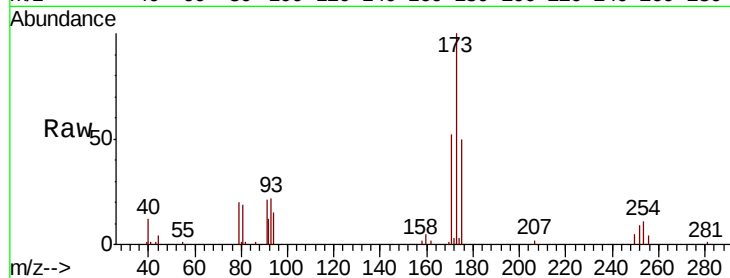
Tot Ion:173 Resp: 57173

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.4

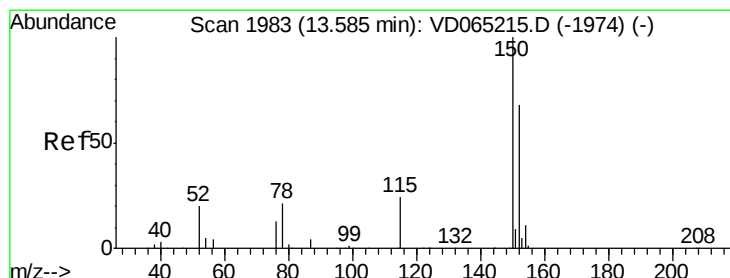
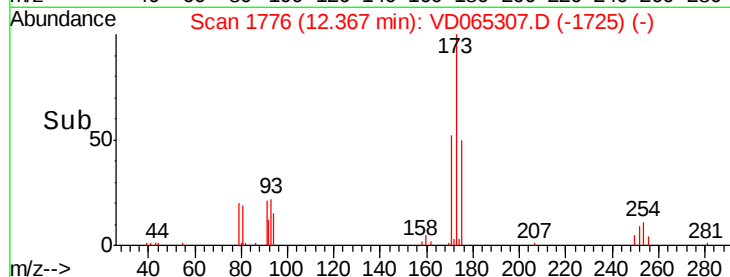
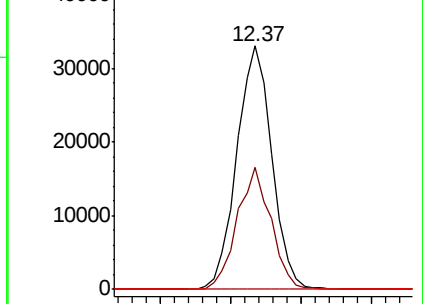
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

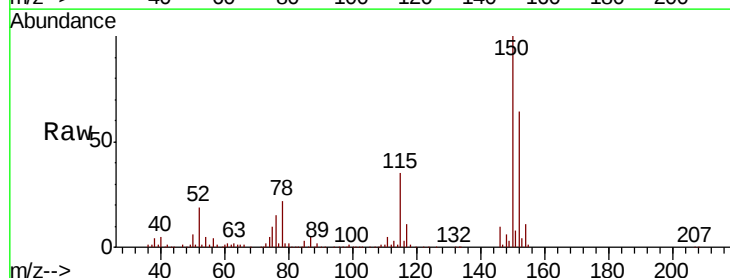
Tgt Ion:152 Resp: 324324

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.8

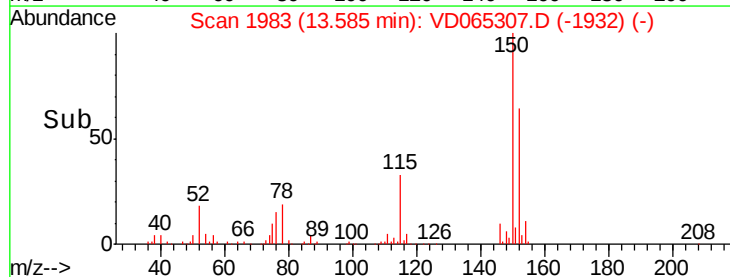
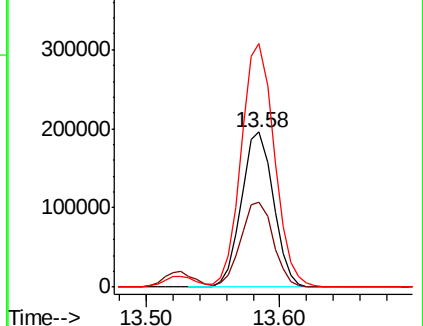
150 163.3 0.0 347.4

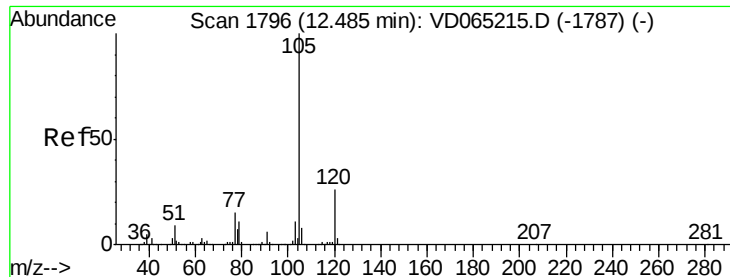


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.040 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

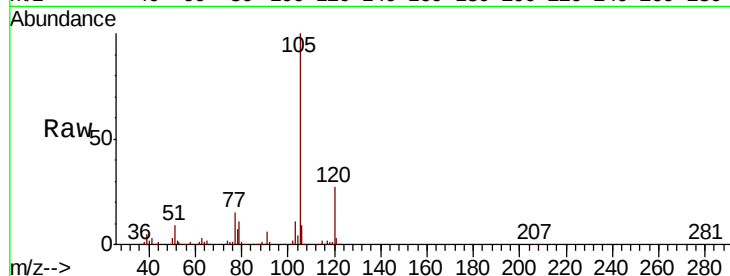
ClientSampleId :

Tot Ion:105 Resp: 451756

Ion Ratio Lower Upper

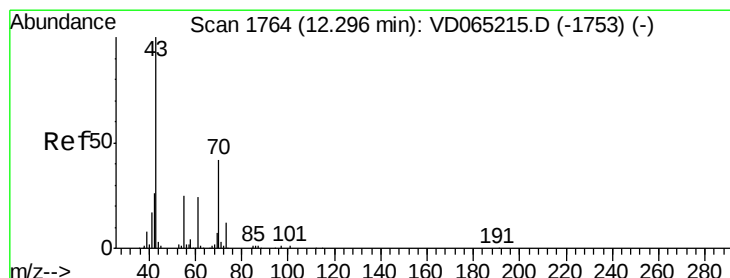
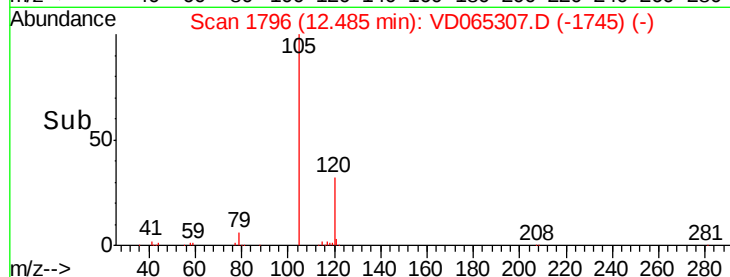
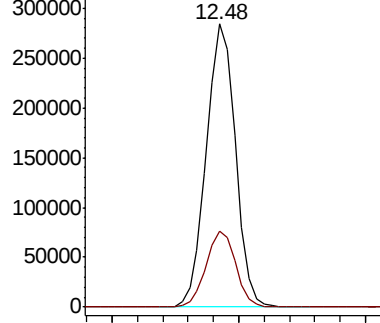
105 100

120 27.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.670 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Tgt Ion: 43 Resp: 93849

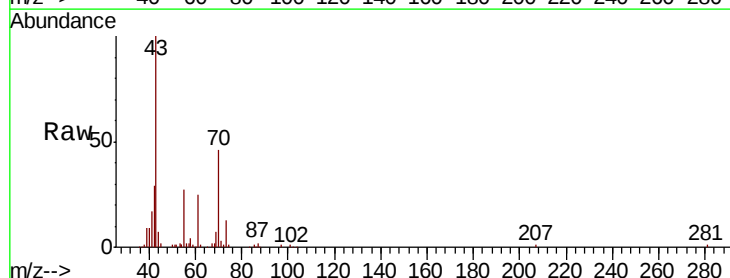
Ion Ratio Lower Upper

43 100

70 44.0 33.7 50.5

55 27.9 20.7 31.1

61 23.0 19.0 28.4

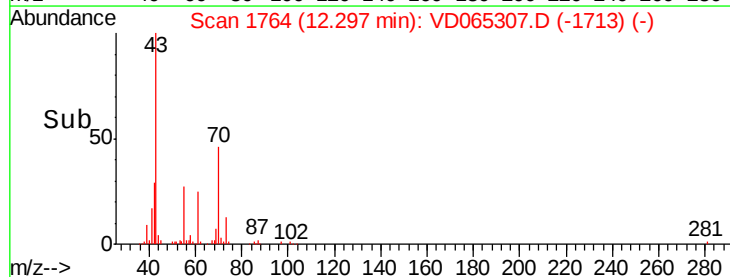
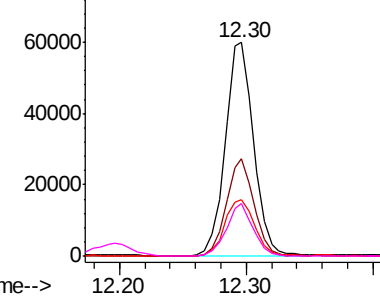


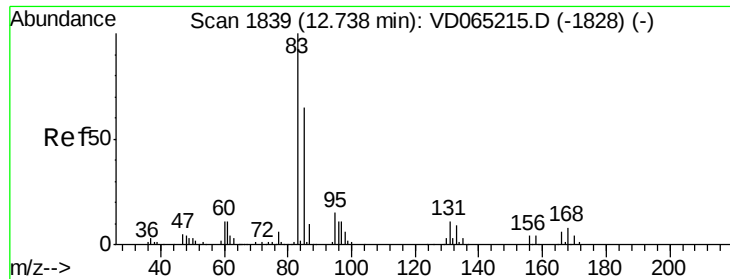
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.229 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

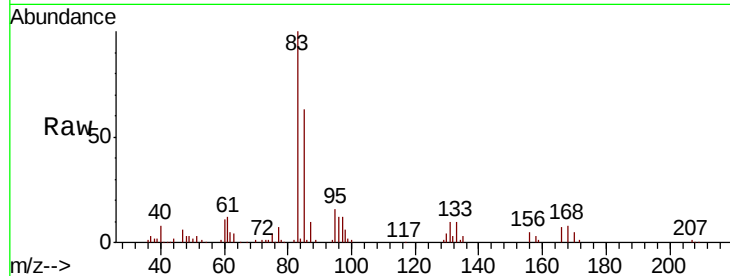
Tot Ion: 83 Resp: 82265

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

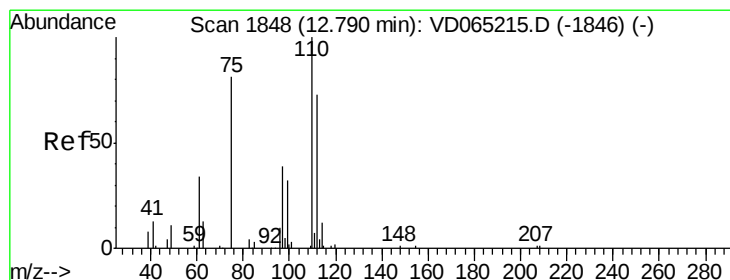
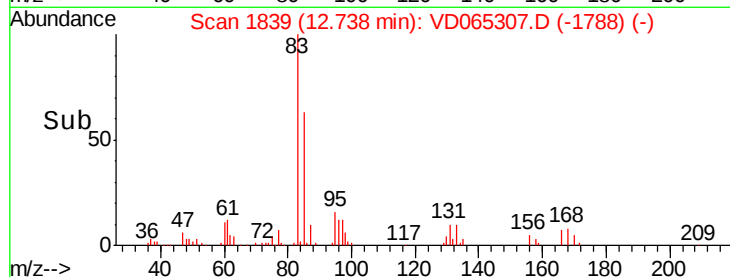
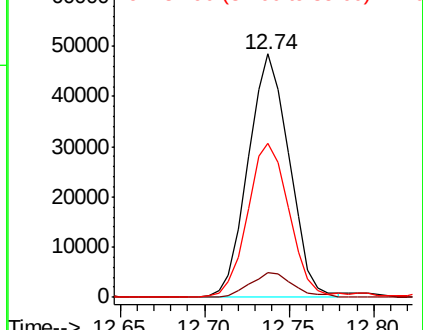
85 63.9 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 37.877 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065307.D

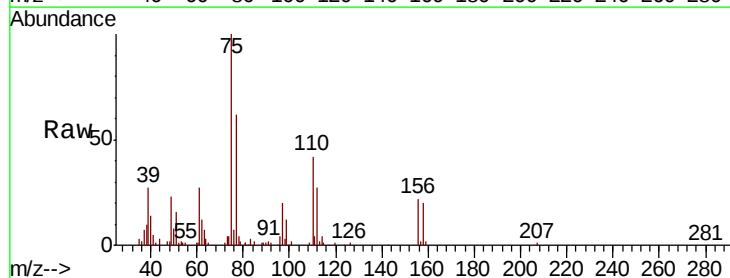
Acq: 25 Feb 2020 13:13

Tgt Ion: 75 Resp: 104520

Ion Ratio Lower Upper

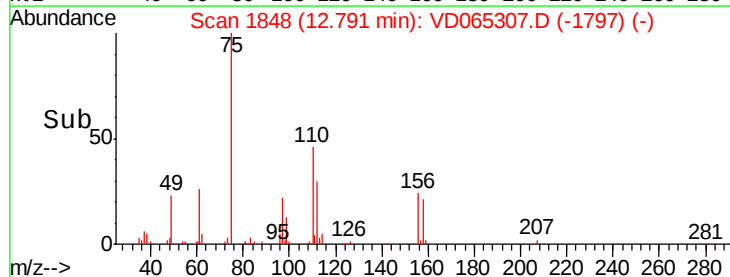
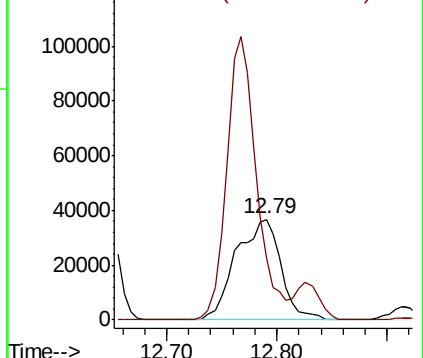
75 100

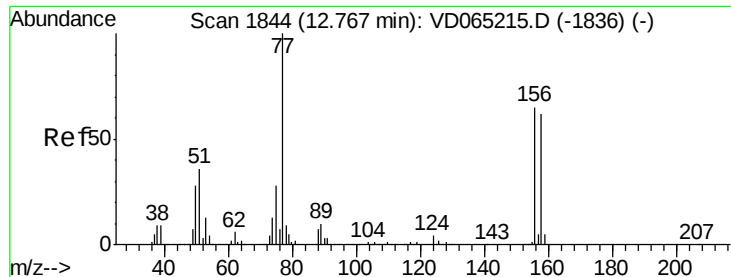
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.895 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampled :

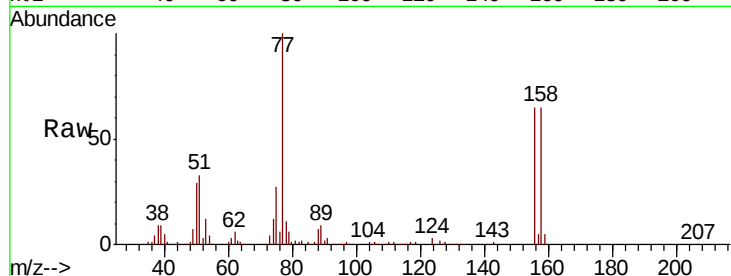
Tot Ion:156 Resp: 111408

Ion Ratio Lower Upper

156 100

77 175.3 86.6 259.7

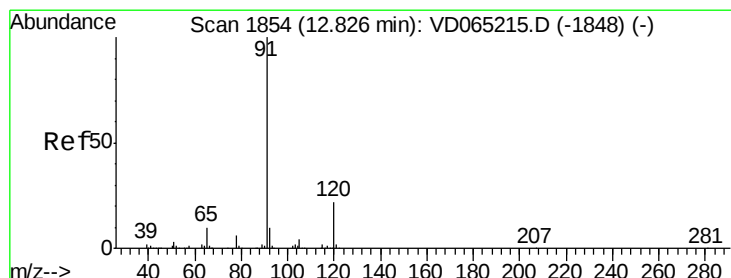
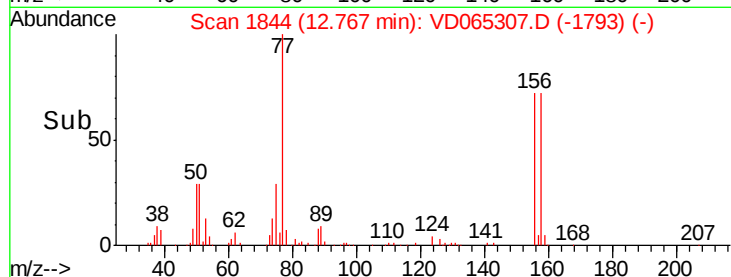
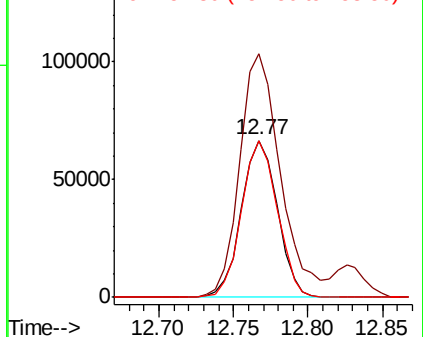
158 99.1 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.236 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065307.D

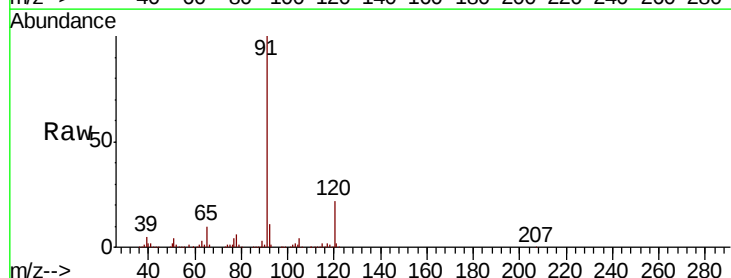
Acq: 25 Feb 2020 13:13

Tgt Ion: 91 Resp: 547943

Ion Ratio Lower Upper

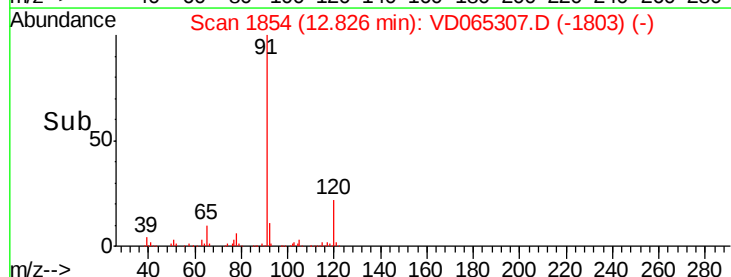
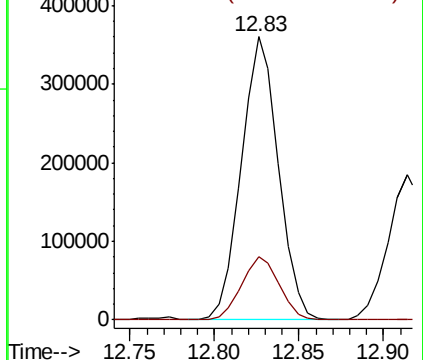
91 100

120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

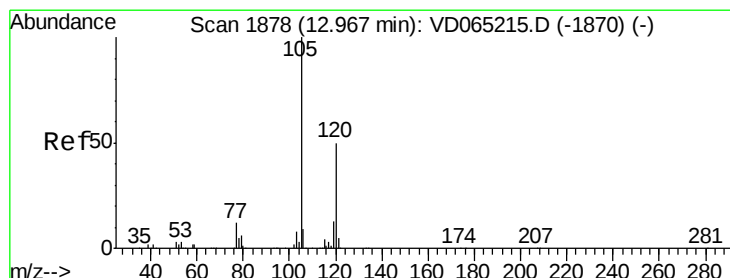
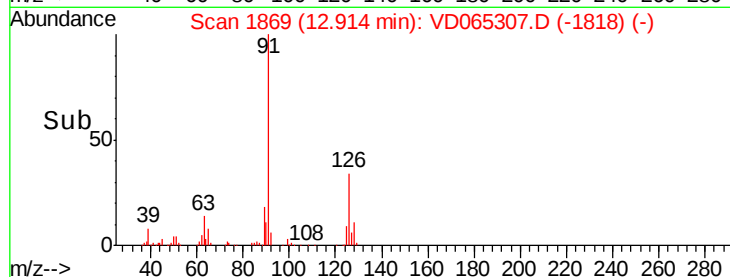
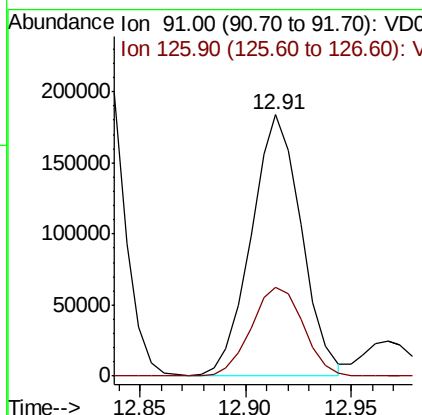
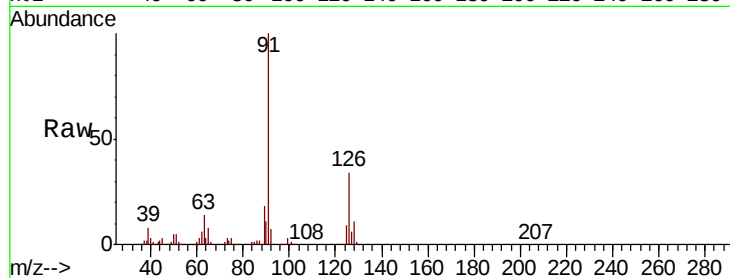




#79
 2-Chlorotoluene
 Concen: 20.856 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

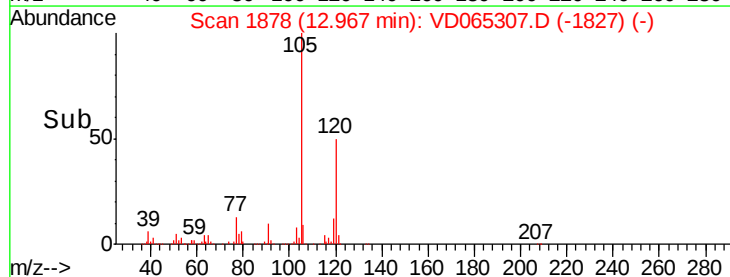
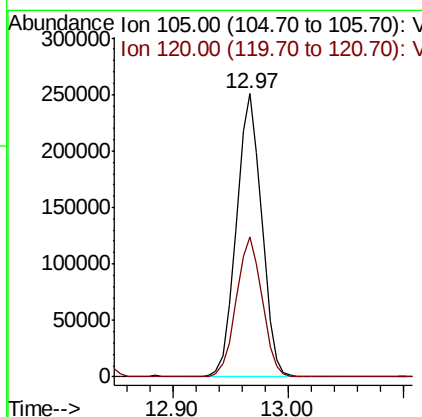
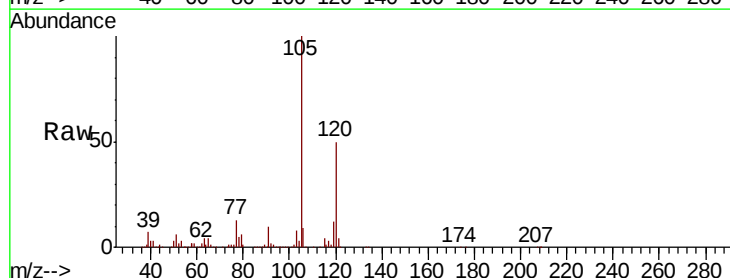
Instrument :
 MSVOA_D
 ClientSampleId :

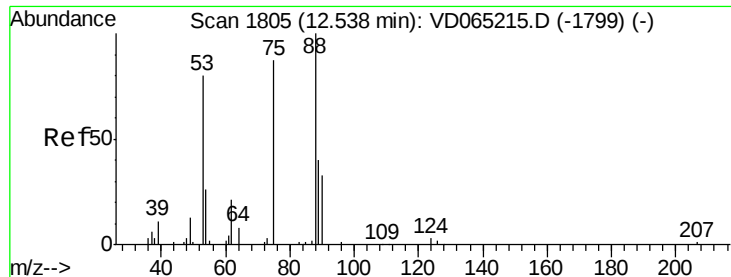
Tot Ion: 91 Resp: 301472
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.537 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion: 105 Resp: 380881
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.307 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065307.D

Acq: 25 Feb 2020 13:13

Instrument :

MSVOA_D

ClientSampleId :

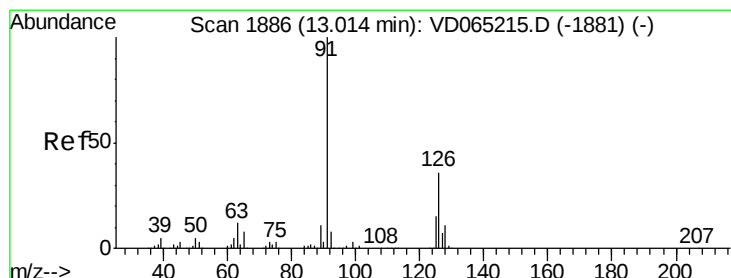
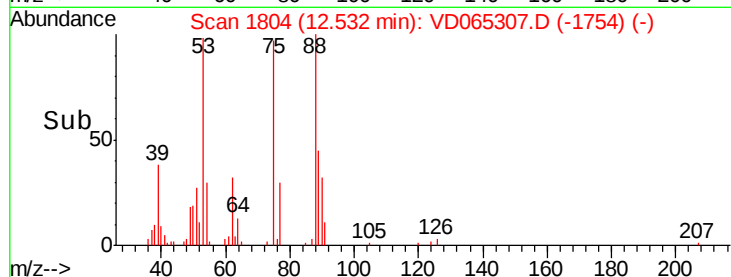
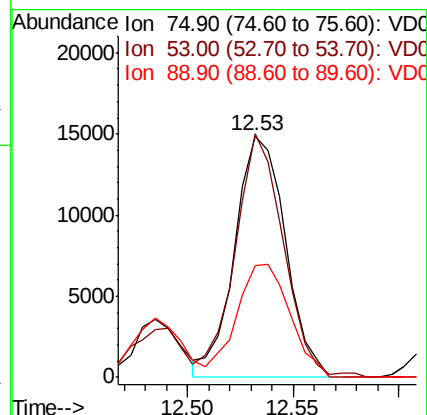
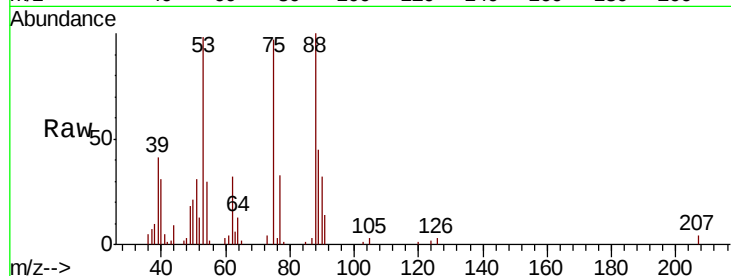
Tot Ion: 75 Resp: 24675

Ion Ratio Lower Upper

75 100

53 96.4 77.6 116.4

89 49.3 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.981 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065307.D

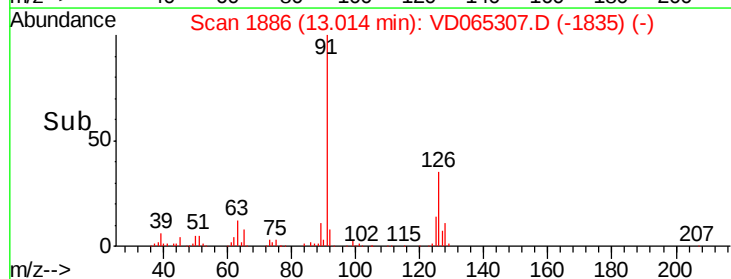
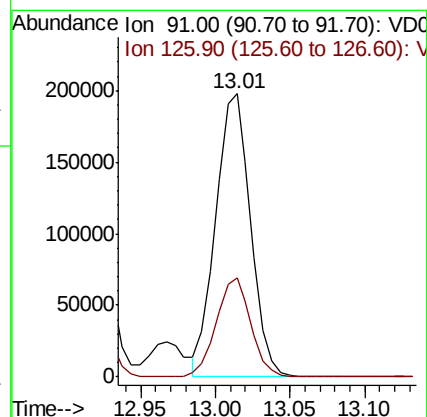
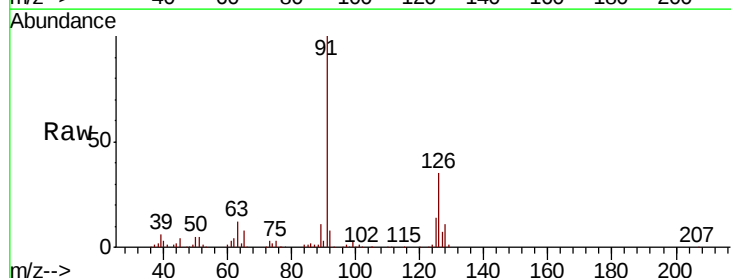
Acq: 25 Feb 2020 13:13

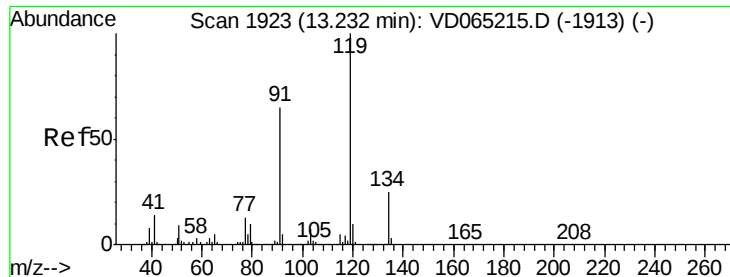
Tgt Ion: 91 Resp: 321977

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.3

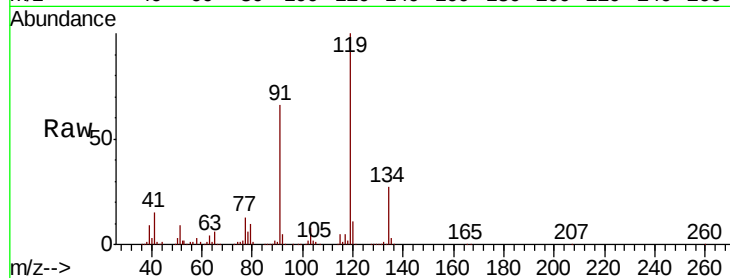




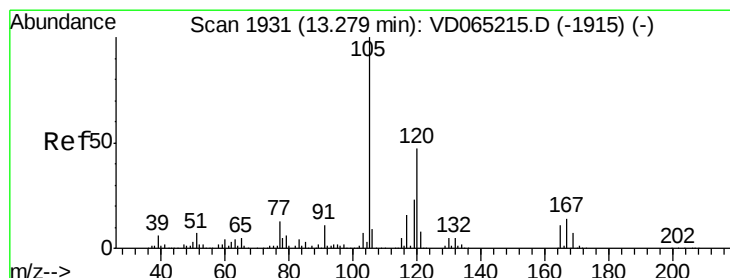
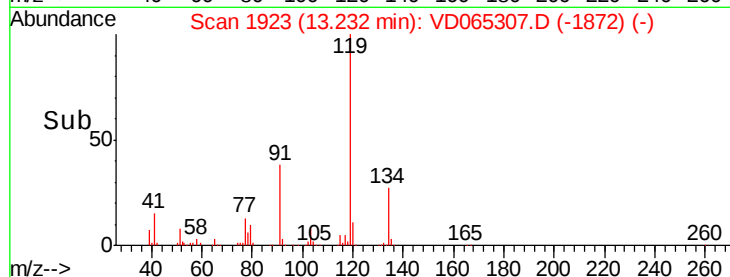
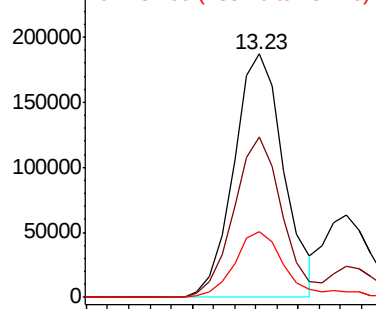
#83
tert-Butylbenzene
Concen: 20.776 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:119 Resp: 307942
Ion Ratio Lower Upper
119 100
91 64.2 31.9 95.5
134 28.3 13.8 41.3

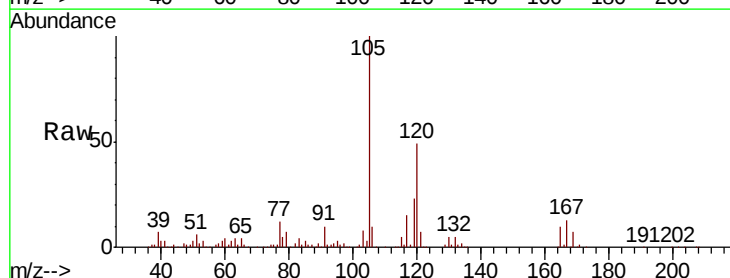


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

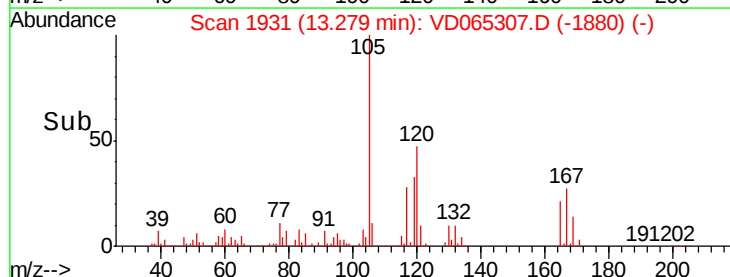
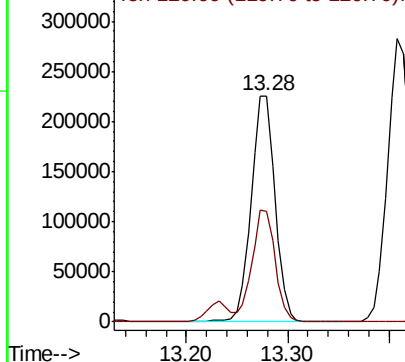


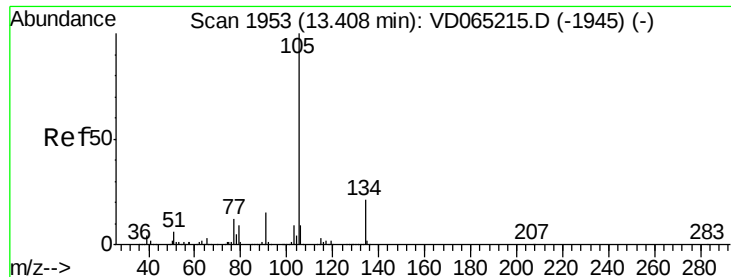
#84
1,2,4-Trimethylbenzene
Concen: 20.872 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion:105 Resp: 369449
Ion Ratio Lower Upper
105 100
120 47.4 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

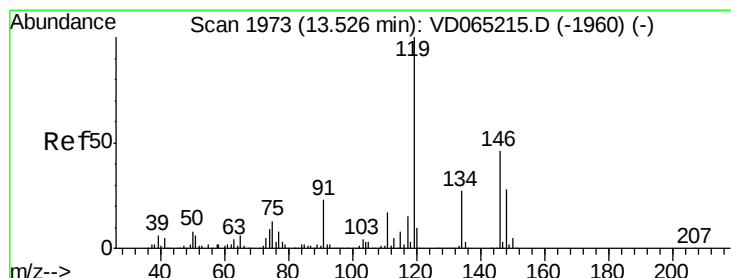
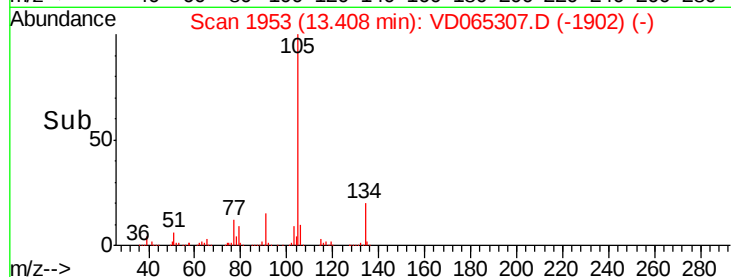
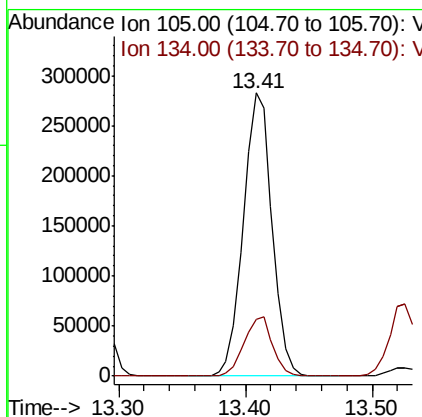
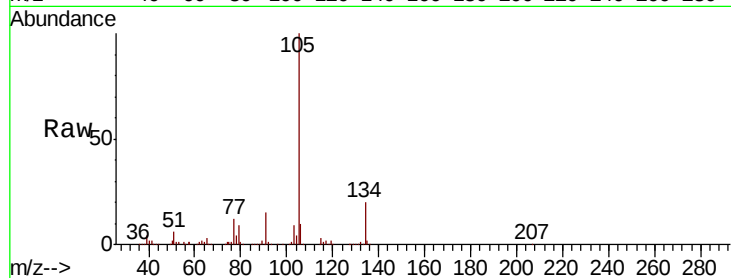




#85
 sec-Butylbenzene
 Concen: 20.775 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

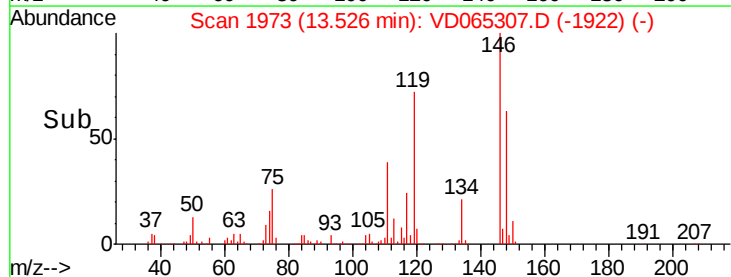
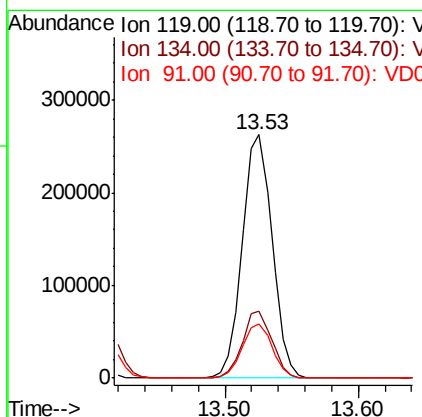
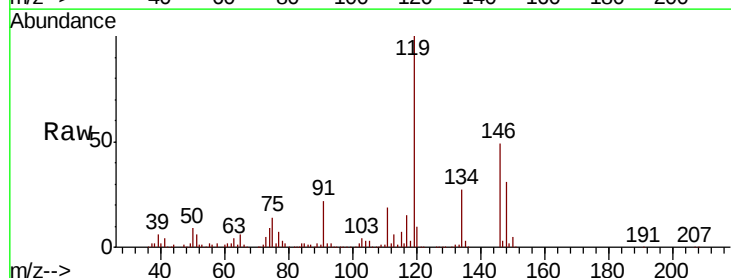
Instrument :
 MSVOA_D
 ClientSampleId :

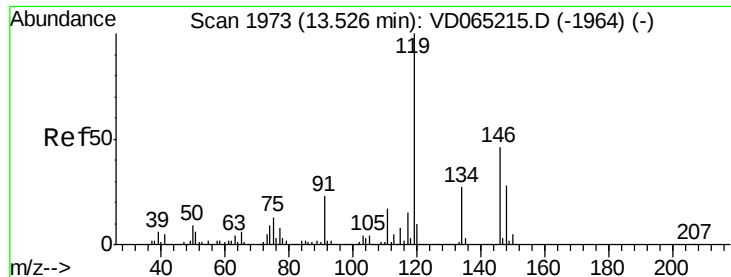
Tot Ion:105 Resp: 443713
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 20.769 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion:119 Resp: 405644
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.3 39.8
 91 22.1 11.1 33.1

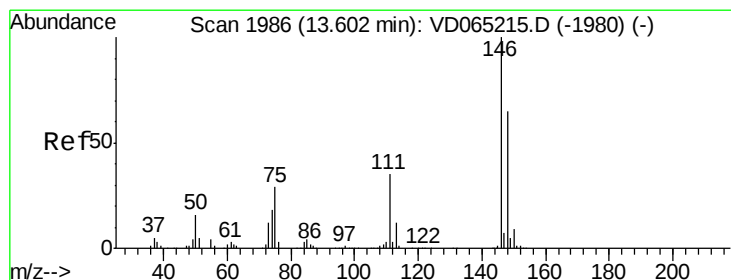
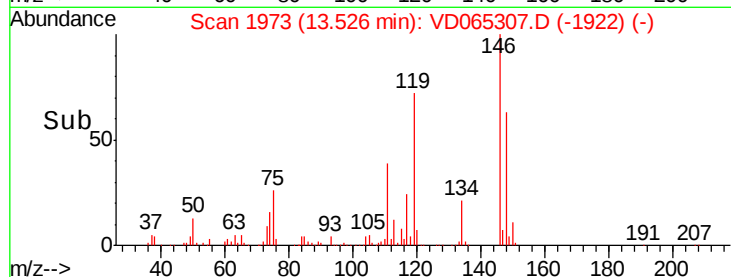
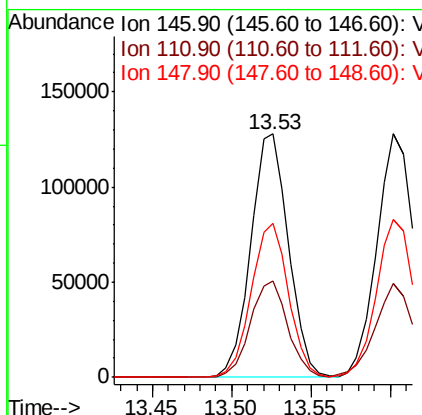
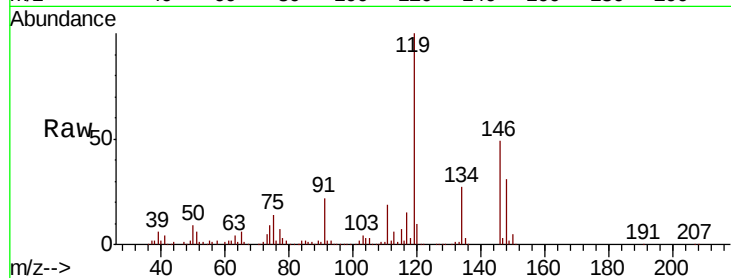




#87
 1,3-Dichlorobenzene
 Concen: 20.539 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

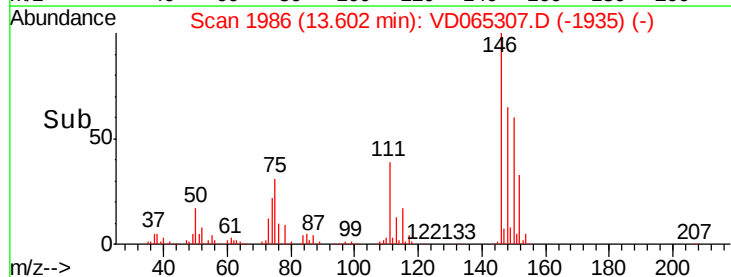
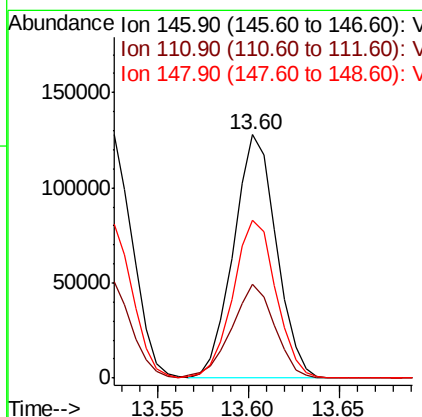
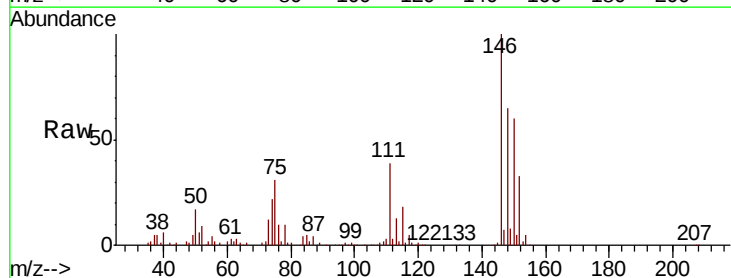
Instrument :
 MSVOA_D
 ClientSampleId :

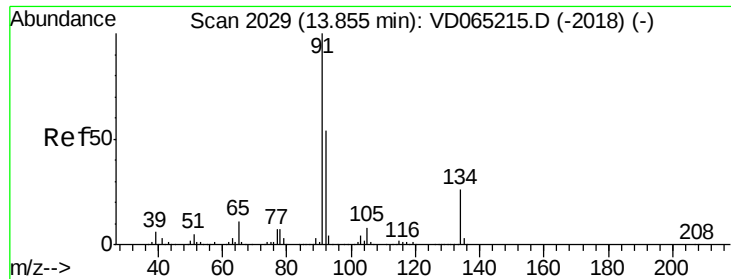
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.6	55.8
148	62.4	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.675 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.4	55.2
148	65.1	32.1	96.5

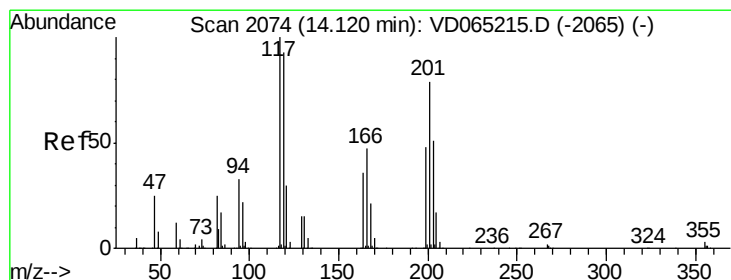
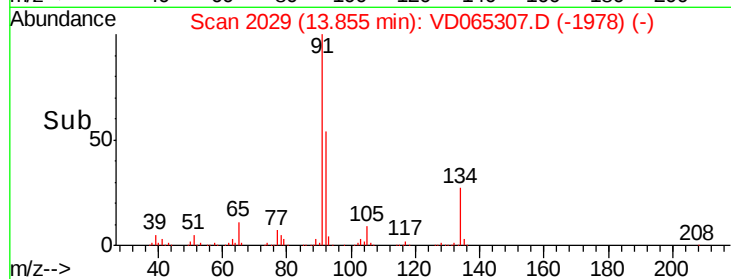
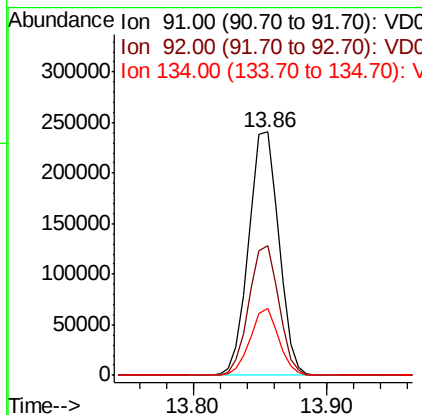
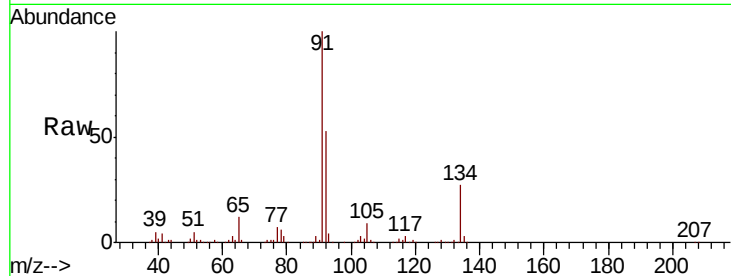




#89
n-Butylbenzene
Concen: 20.801 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

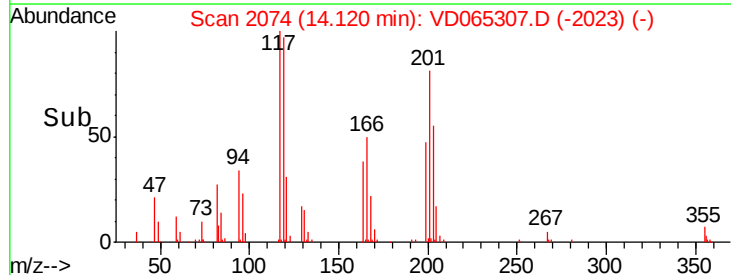
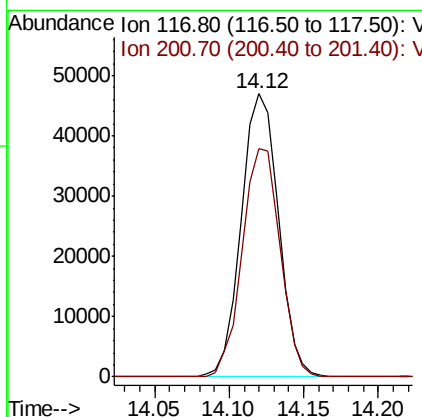
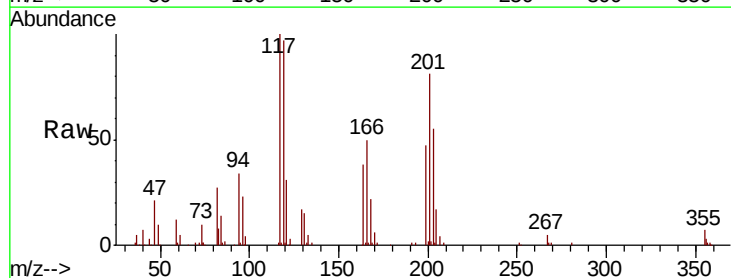
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 374370
Ion Ratio Lower Upper
91 100
92 53.0 27.0 80.8
134 26.1 13.5 40.4



#90
Hexachloroethane
Concen: 20.459 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion: 117 Resp: 81137
Ion Ratio Lower Upper
117 100
201 82.3 41.3 124.1

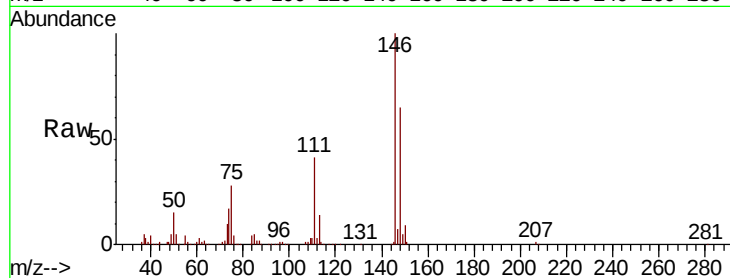




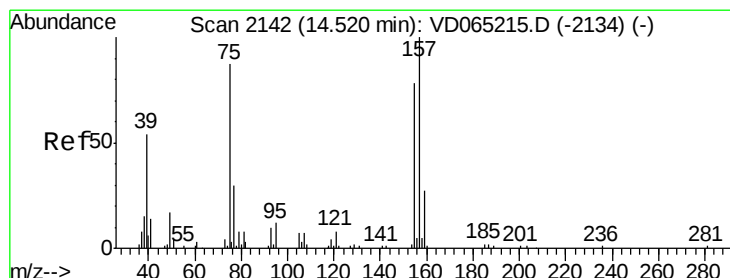
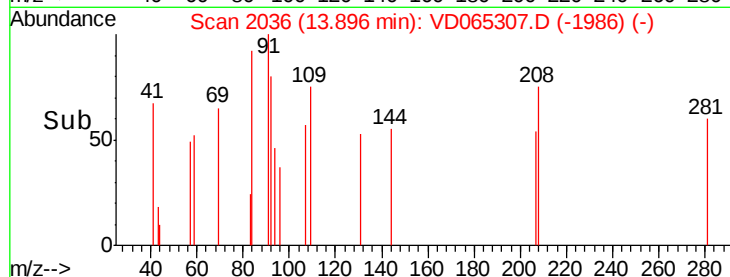
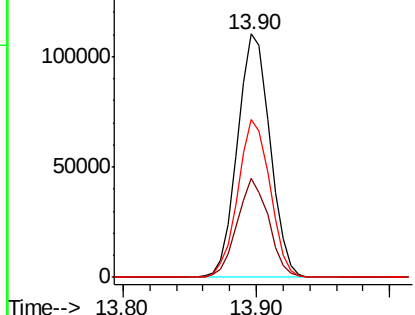
#91
 1,2-Dichlorobenzene
 Concen: 21.066 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	63.9	32.0	96.2

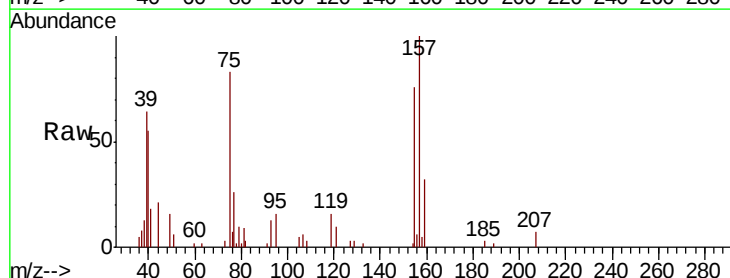


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

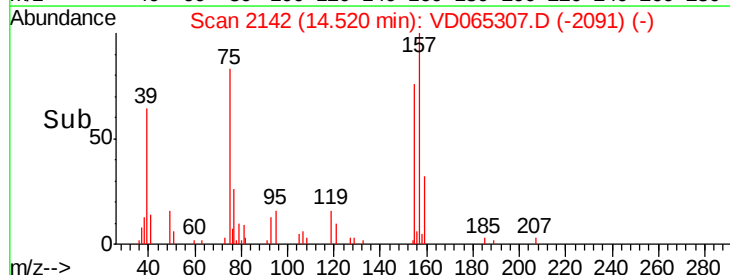
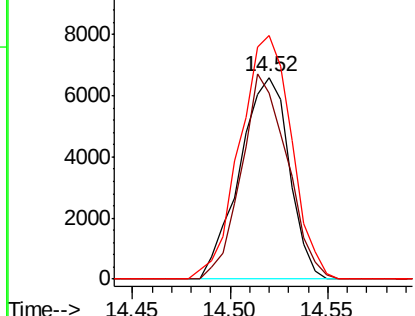


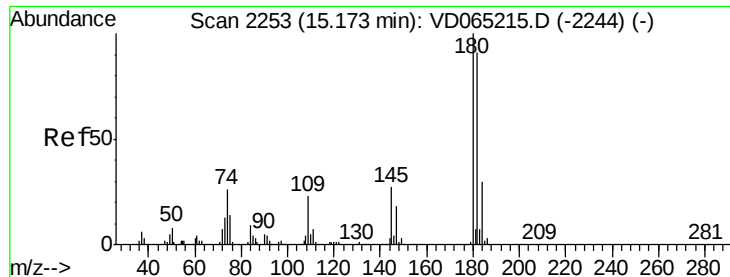
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.436 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	42.3	126.9
157	126.1	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

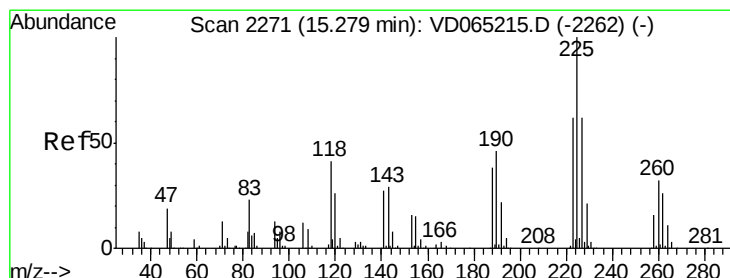
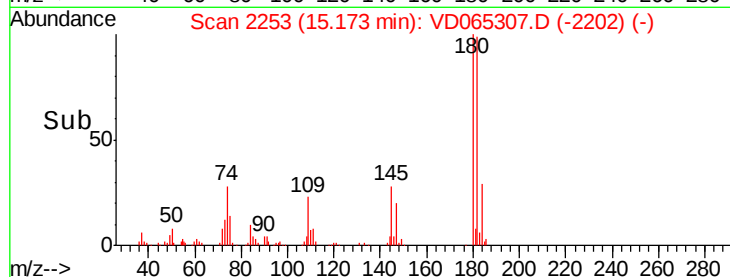
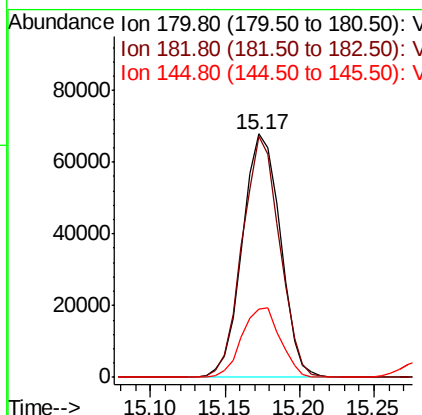
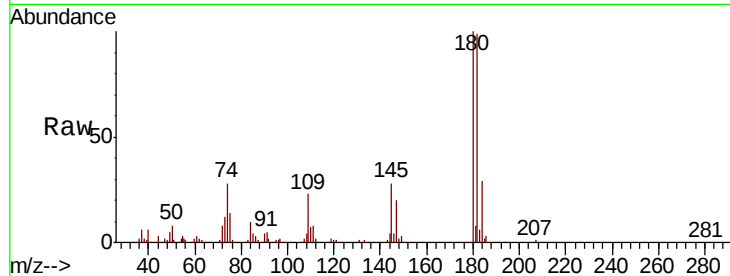




#93
 1,2,4-Trichlorobenzene
 Concen: 20.695 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

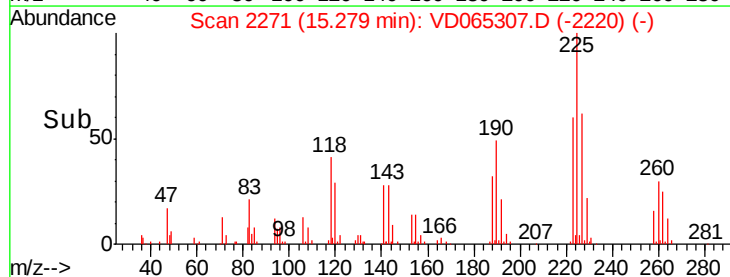
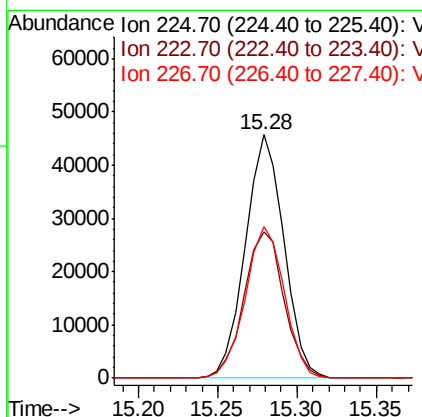
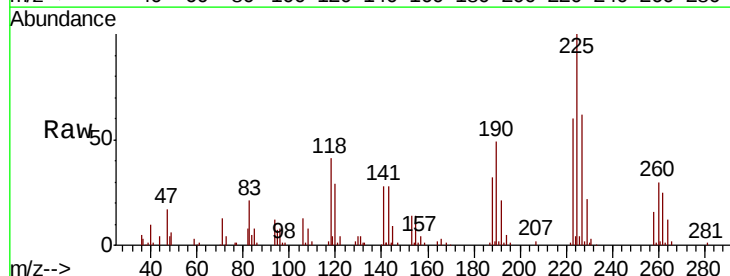
Instrument :
 MSVOA_D
 ClientSampleId :

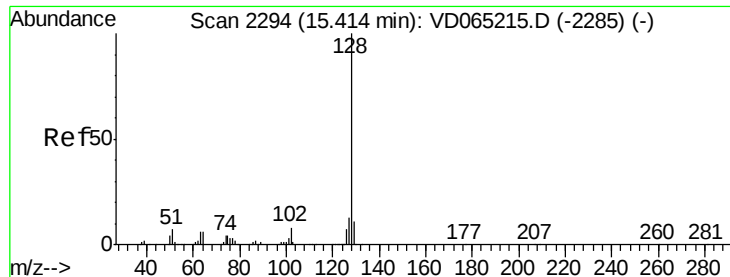
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.9	140.6
145	28.9	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 20.839 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065307.D
 Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.2
227	63.2	31.7	95.1

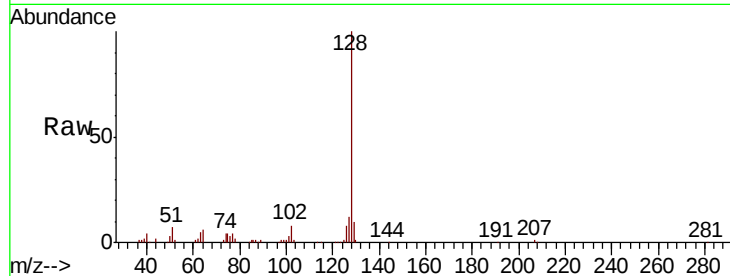




#95
Naphthalene
Concen: 20.335 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.7	8.8	13.2

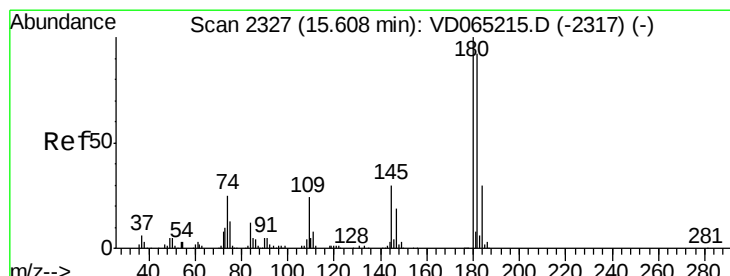
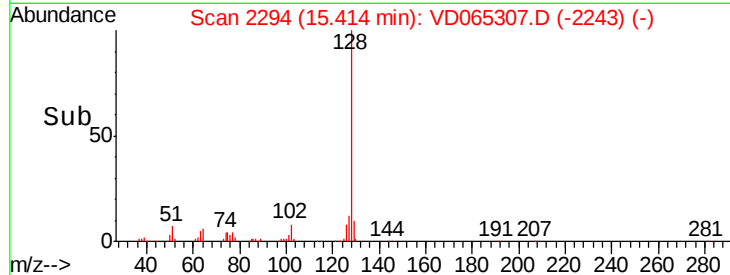
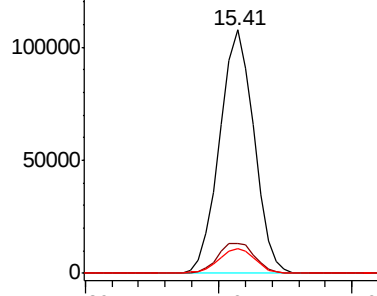


Abundance

Ion 128.00 (127.70 to 128.70): V

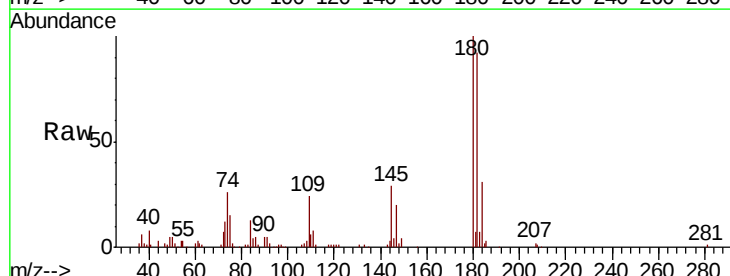
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.962 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065307.D
Acq: 25 Feb 2020 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	29.2	15.4	46.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

