

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065287.D
 Acq On : 24 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0224SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:20:07 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	506126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	767568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	689702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	218899	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.92	113	227088	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	10.34	98	895910	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.64	95	291689	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75142	17.701	ug/l	98
3) Chloromethane	2.21	50	100974	18.688	ug/l	98
4) Vinyl Chloride	2.35	62	101746	18.518	ug/l	97
5) Bromomethane	2.76	94	62574	18.836	ug/l	95
6) Chloroethane	2.92	64	62049	18.501	ug/l	97
7) Trichlorofluoromethane	3.27	101	149791	19.042	ug/l	97
8) Diethyl Ether	3.71	74	46997	19.793	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97328	19.593	ug/l	97
10) Methyl Iodide	4.30	142	97718	18.946	ug/l	99
11) Tert butyl alcohol	5.24	59	32548	119.627	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	93977	20.027	ug/l	96
13) Acrolein	3.93	56	41016	106.248	ug/l	99
14) Allyl chloride	4.71	41	152990	20.077	ug/l	97
15) Acrylonitrile	5.43	53	106771	101.566	ug/l	99
16) Acetone	4.17	43	102260	91.877	ug/l	98
17) Carbon Disulfide	4.40	76	302090	19.202	ug/l	98
18) Methyl Acetate	4.73	43	53774	21.482	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	193304	19.754	ug/l	100
20) Methylene Chloride	4.96	84	113085	20.063	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	107370	20.127	ug/l	97
22) Diisopropyl ether	6.37	45	298828	20.342	ug/l	97
23) Vinyl Acetate	6.31	43	794234	98.070	ug/l	99
24) 1,1-Dichloroethane	6.27	63	181416	19.910	ug/l	97
25) 2-Butanone	7.23	43	131768	93.572	ug/l	98
26) 2,2-Dichloropropane	7.21	77	156836	19.838	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112422	19.895	ug/l	99
28) Bromochloromethane	7.55	49	63332	18.735	ug/l	98
29) Tetrahydrofuran	7.57	42	84204	102.053	ug/l	98
30) Chloroform	7.71	83	183537	19.993	ug/l	97
31) Cyclohexane	7.98	56	176462	19.711	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	163252	19.876	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146035	19.553	ug/l	99
37) Ethyl Acetate	7.30	43	59719	19.127	ug/l	99
38) Carbon Tetrachloride	8.10	117	149891	19.715	ug/l	98

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Quant Time: Feb 25 01:20:07 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)
39) Methylcyclohexane	9.36	83	172617	19.660	ug/l	98
40) Benzene	8.36	78	418844	19.869	ug/l	100
41) Methacrylonitrile	7.53	41	32763	18.174	ug/l	98
42) 1,2-Dichloroethane	8.43	62	109504	18.895	ug/l	98
43) Isopropyl Acetate	8.46	43	110537	19.469	ug/l	99
44) Trichloroethene	9.11	130	118056	20.203	ug/l	94
45) 1,2-Dichloropropane	9.39	63	104012	19.843	ug/l	98
46) Dibromomethane	9.48	93	54527	20.217	ug/l	99
47) Bromodichloromethane	9.67	83	138250	19.451	ug/l	97
48) Methyl methacrylate	9.46	41	51487	19.619	ug/l	96
49) 1,4-Dioxane	9.47	88	13082	413.567	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	285623	99.047	ug/l	100
52) Toluene	10.41	92	271394	20.799	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	133343	20.240	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	156378	19.657	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	75809	19.970	ug/l	96
56) Ethyl methacrylate	10.67	69	88442	20.185	ug/l	98
57) 1,3-Dichloropropane	10.95	76	129311	20.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	133599	96.715	ug/l	99
59) 2-Hexanone	10.99	43	198672	96.243	ug/l	97
60) Dibromochloromethane	11.14	129	94995	19.552	ug/l	98
61) 1,2-Dibromoethane	11.25	107	72459	20.160	ug/l	99
64) Tetrachloroethene	10.88	164	100675	20.581	ug/l	98
65) Chlorobenzene	11.67	112	283119	20.456	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	102328	19.812	ug/l	98
67) Ethyl Benzene	11.75	91	489793	20.206	ug/l	99
68) m/p-Xylenes	11.86	106	386566	41.682	ug/l	98
69) o-Xylene	12.18	106	168496	20.507	ug/l	100
70) Styrene	12.20	104	301588	20.674	ug/l	99
71) Bromoform	12.37	173	58435	20.389	ug/l #	99
73) Isopropylbenzene	12.48	105	467867	20.912	ug/l	100
74) N-amyl acetate	12.30	43	96989	19.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	84059	20.817	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	104805	36.450	ug/l #	100
77) Bromobenzene	12.77	156	114795	20.662	ug/l	100
78) n-propylbenzene	12.83	91	558151	20.759	ug/l	99
79) 2-Chlorotoluene	12.91	91	312064	20.718	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	386713	20.986	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26808	20.131	ug/l	93
82) 4-Chlorotoluene	13.01	91	329183	20.586	ug/l	100
83) tert-Butylbenzene	13.23	119	315914	20.455	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	382952	20.762	ug/l	99
85) sec-Butylbenzene	13.41	105	460680	20.700	ug/l	99
86) p-Isopropyltoluene	13.53	119	421891	20.730	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	217751	20.274	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	213799	20.169	ug/l	99
89) n-Butylbenzene	13.86	91	387268	20.650	ug/l	100
90) Hexachloroethane	14.12	117	82959	20.075	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	188634	20.454	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12248	19.683	ug/l	93

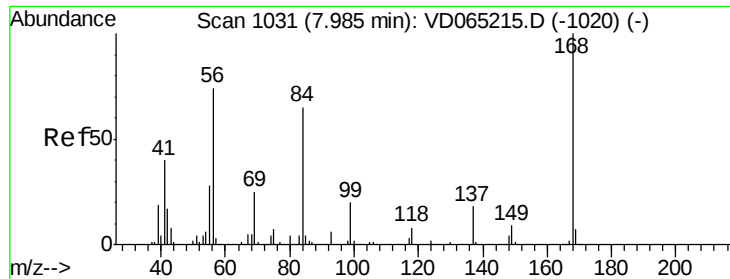
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
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Instrument :
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Quant Time: Feb 25 01:20:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	124498	20.638	ug/l	98
94) Hexachlorobutadiene	15.28	225	78652	20.325	ug/l	99
95) Naphthalene	15.41	128	203605	20.762	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	110313	20.938	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: VD065287.D

Acq: 24 Feb 2020 11:41

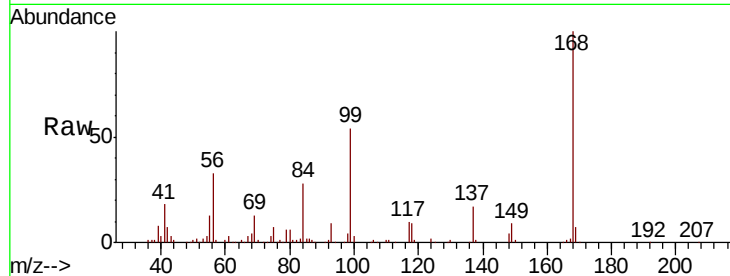
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 506126

Ion Ratio Lower Upper

168 100

99 54.3 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

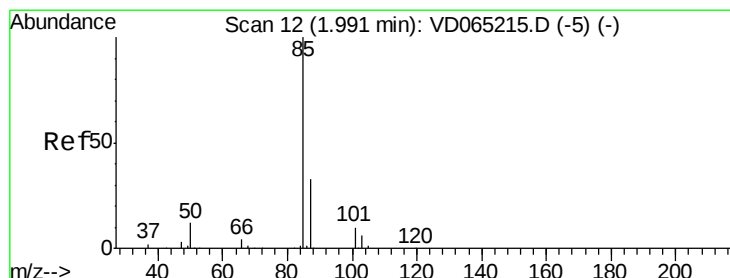
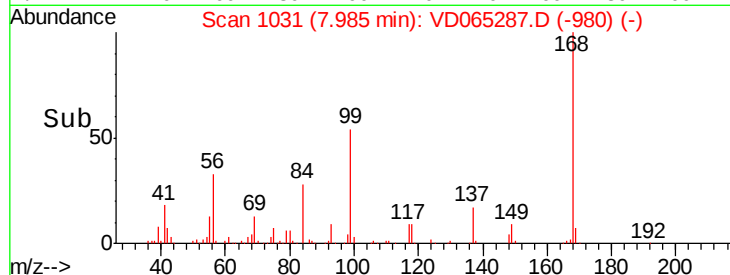
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.701 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065287.D

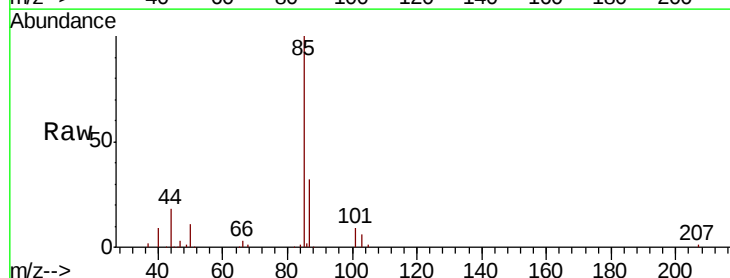
Acq: 24 Feb 2020 11:41

Tgt Ion: 85 Resp: 75142

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

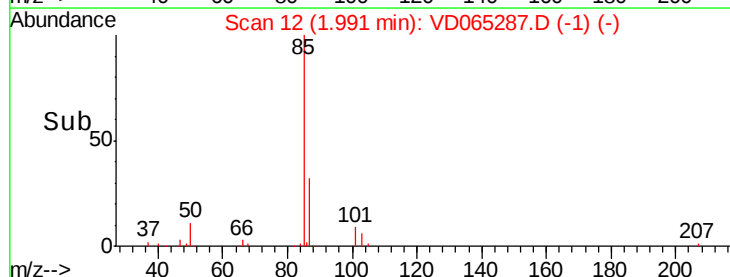
30000

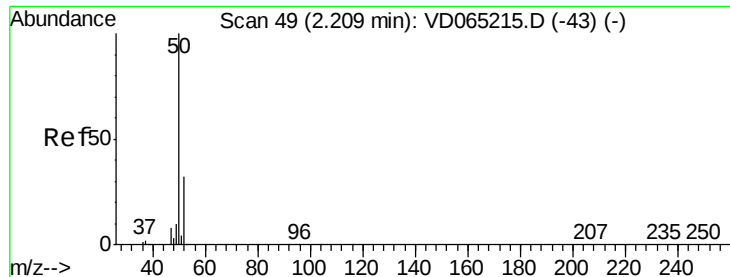
20000

10000

0

Time-->

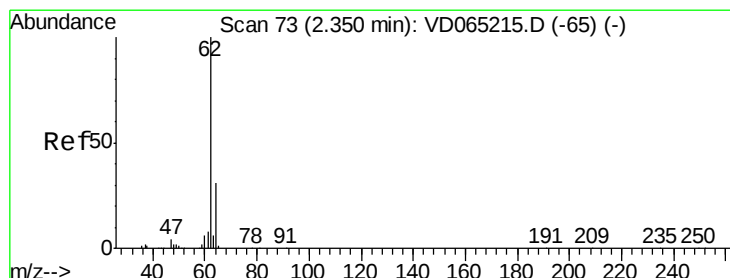
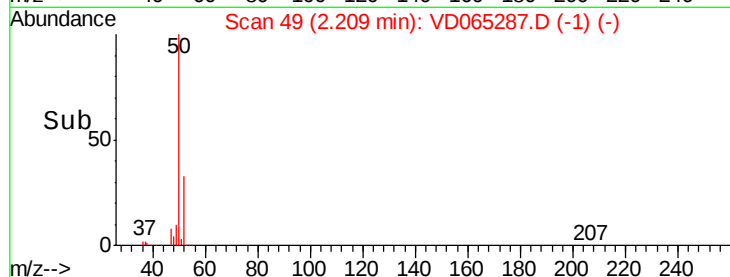
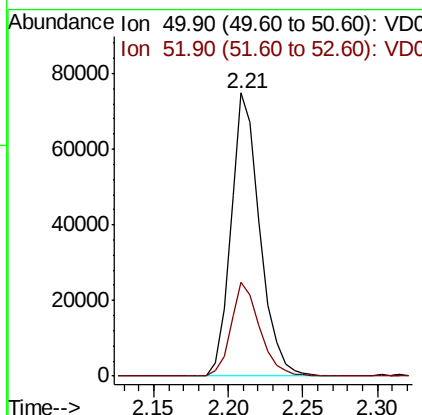
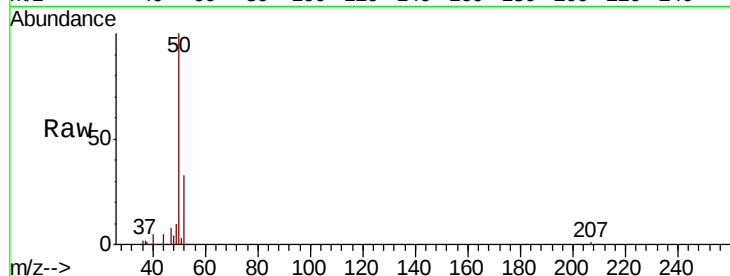




#3
Chloromethane
Concen: 18.688 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

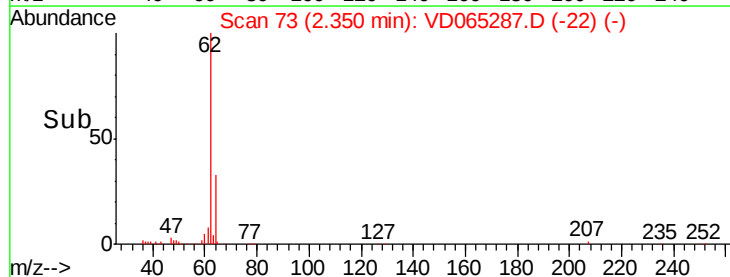
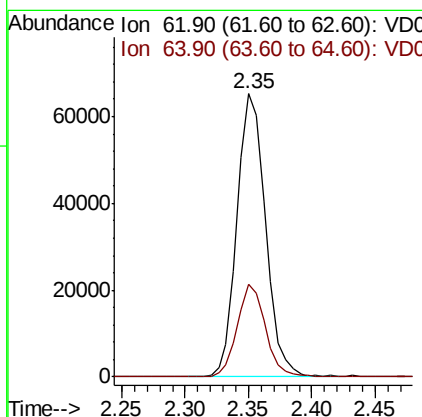
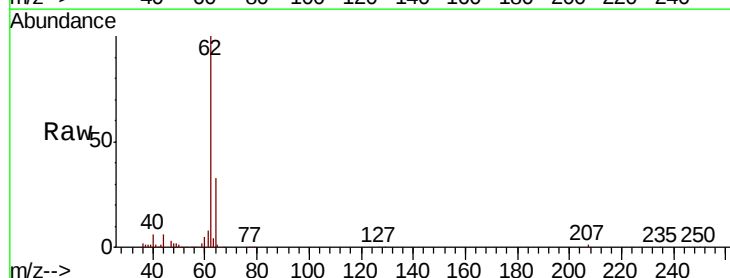
Instrument :
MSVOA_D
ClientSampleId :

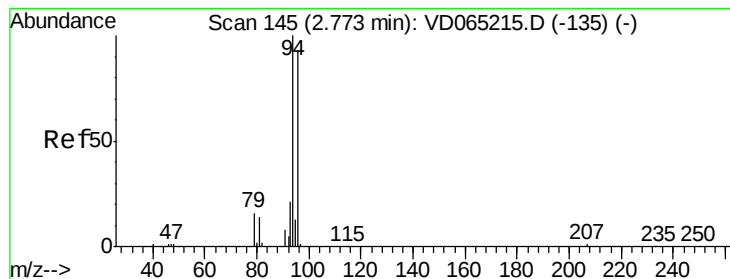
Tot Ion: 50 Resp: 100974
Ion Ratio Lower Upper
50 100
52 33.0 25.5 38.3



#4
Vinyl Chloride
Concen: 18.518 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 62 Resp: 101746
Ion Ratio Lower Upper
62 100
64 32.7 25.0 37.6





#5

Bromomethane

Concen: 18.836 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

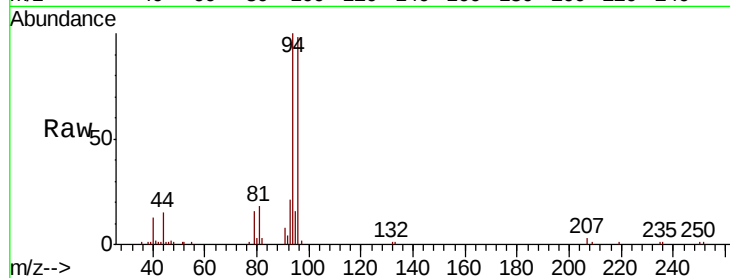
ClientSampleId :

Tot Ion: 94 Resp: 62574

Ion Ratio Lower Upper

94 100

96 97.3 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

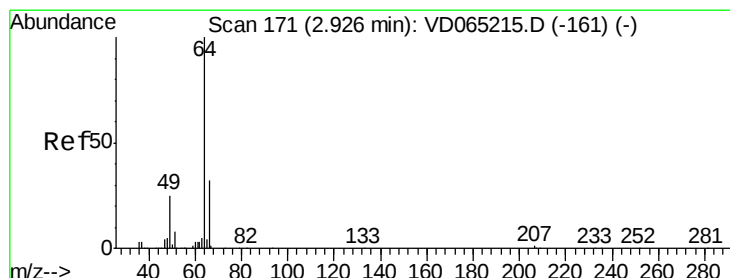
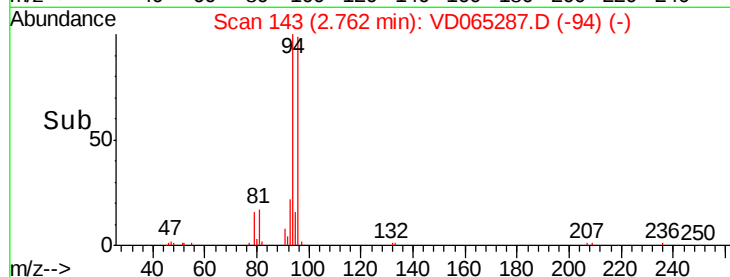
0

2.70

2.80

2.90

Time-->



#6

Chloroethane

Concen: 18.501 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065287.D

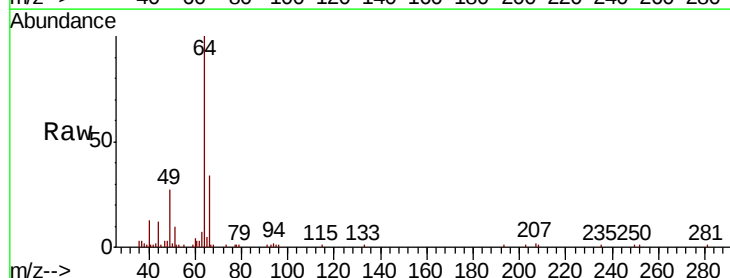
Acq: 24 Feb 2020 11:41

Tgt Ion: 64 Resp: 62049

Ion Ratio Lower Upper

64 100

66 33.7 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

30000

20000

10000

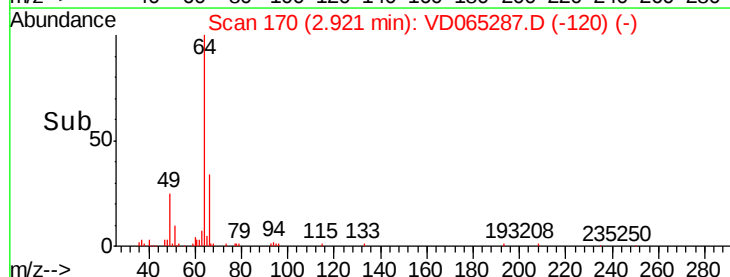
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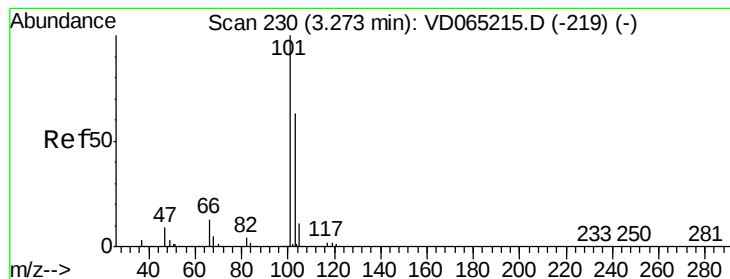
2.80

2.90

3.00

Time-->



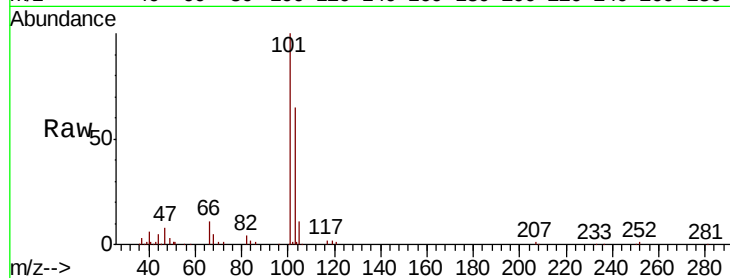


#7

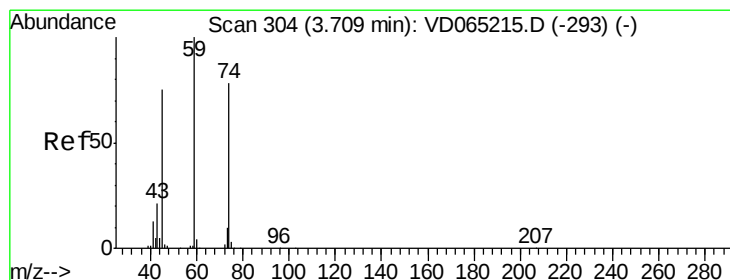
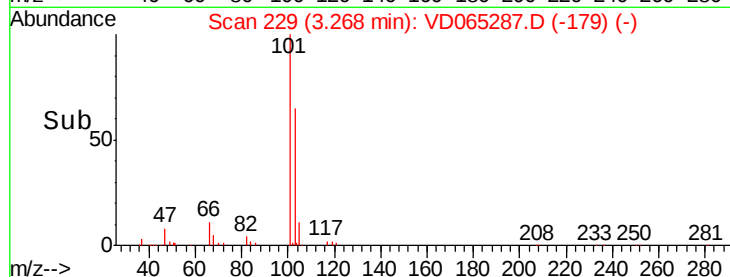
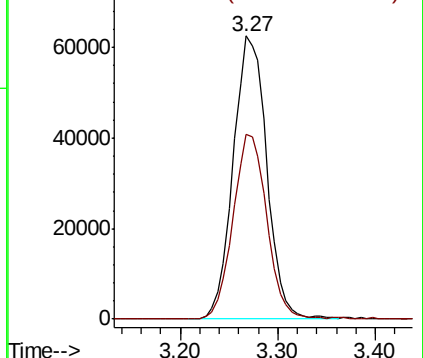
Trichlorofluoromethane
 Concen: 19.042 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 149791
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.7 76.1



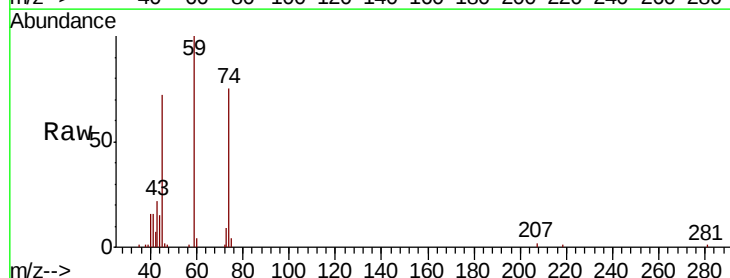
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



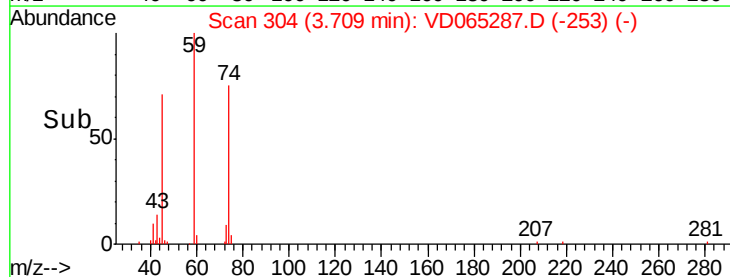
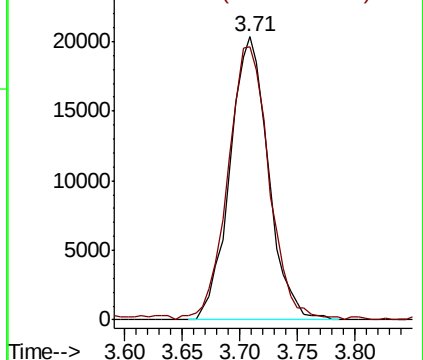
#8

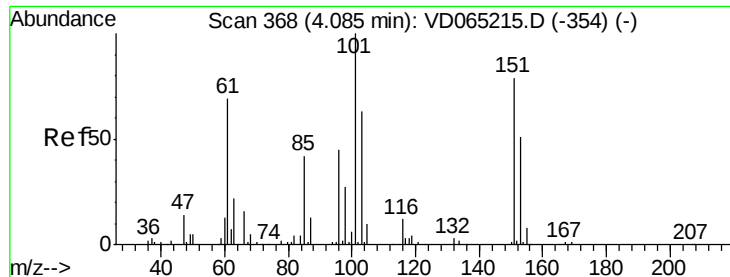
Diethyl Ether
 Concen: 19.793 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion: 74 Resp: 46997
 Ion Ratio Lower Upper
 74 100
 45 103.8 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.593 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

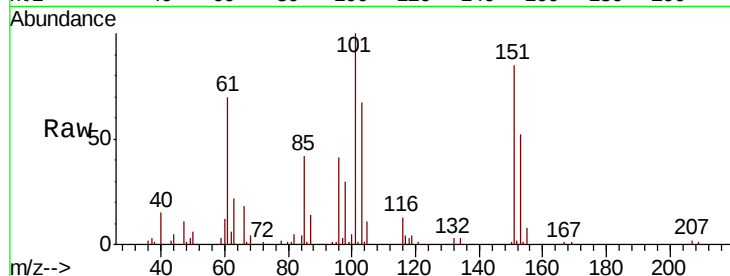
Tot Ion:101 Resp: 97328

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

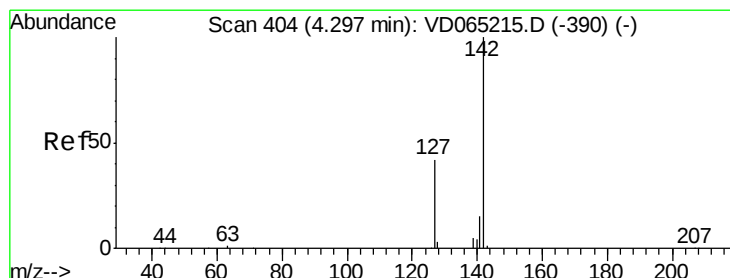
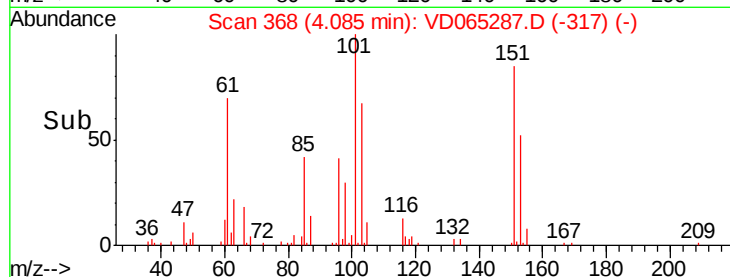
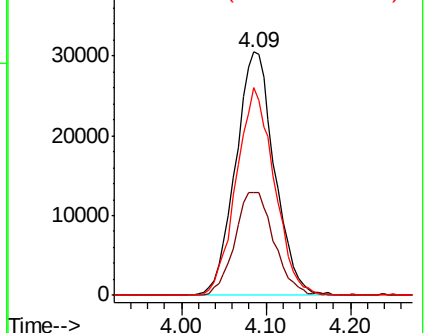
151 83.4 63.5 95.3



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: 18.946 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

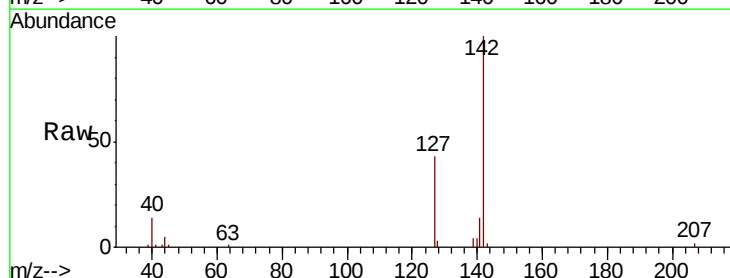
Tgt Ion:142 Resp: 97718

Ion Ratio Lower Upper

142 100

127 43.4 33.8 50.8

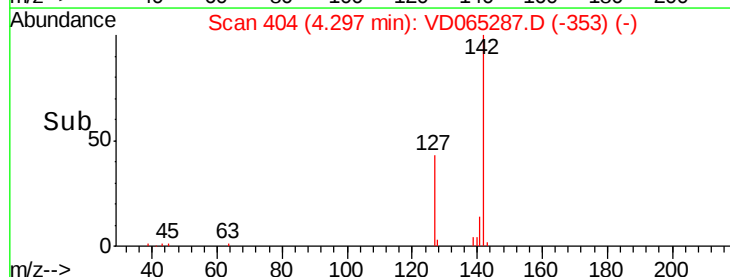
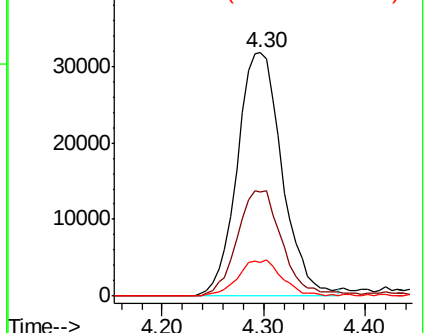
141 14.5 11.7 17.5

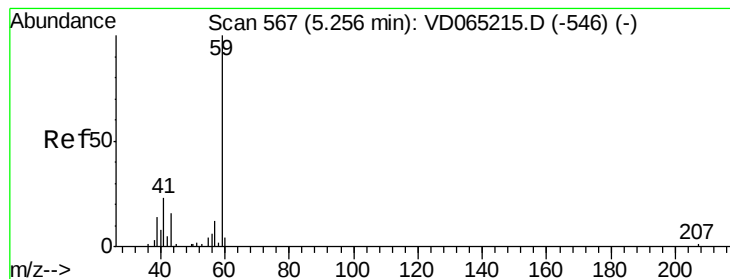


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 119.627 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

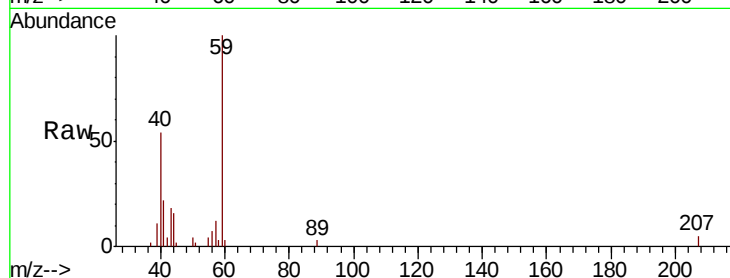
ClientSampleId :

Tot Ion: 59 Resp: 32548

Ion Ratio Lower Upper

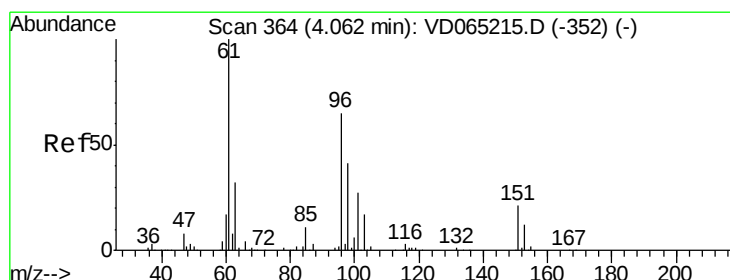
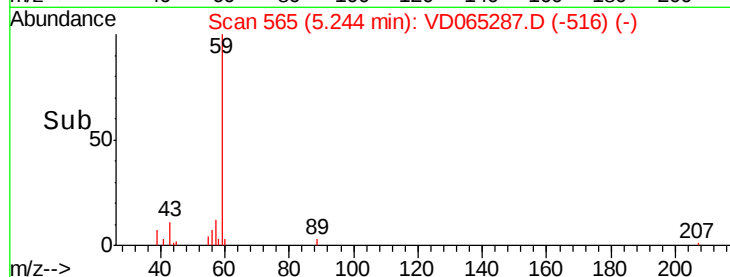
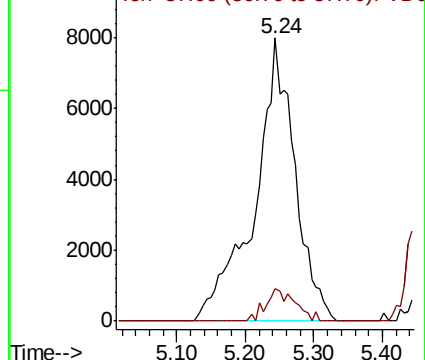
59 100

57 8.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.027 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

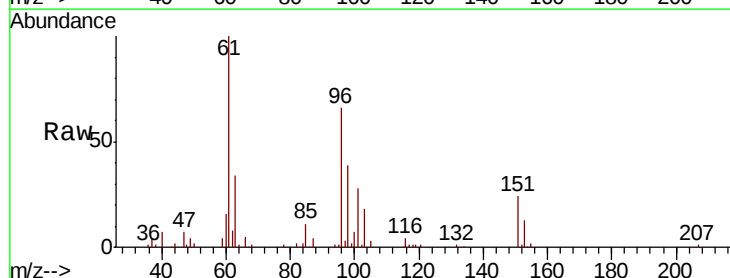
Tgt Ion: 96 Resp: 93977

Ion Ratio Lower Upper

96 100

61 150.9 123.3 184.9

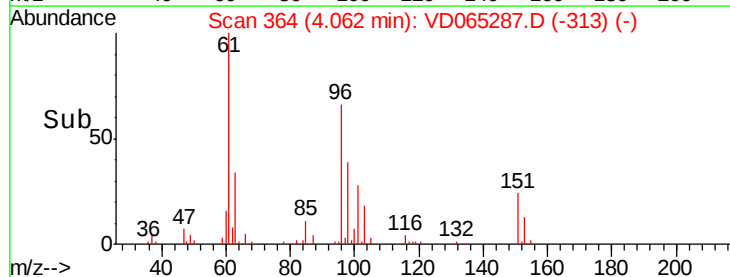
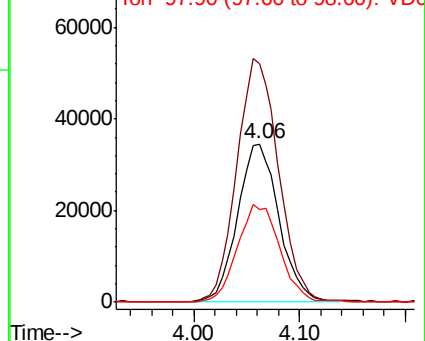
98 59.0 51.0 76.4

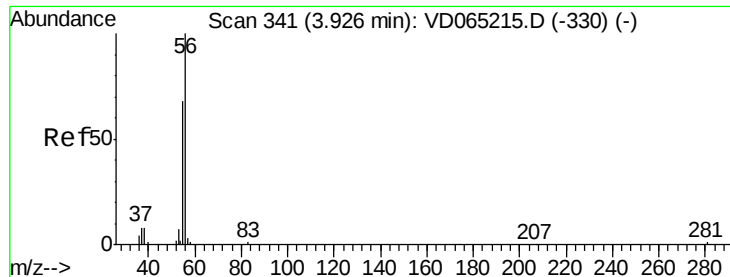


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 106.248 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

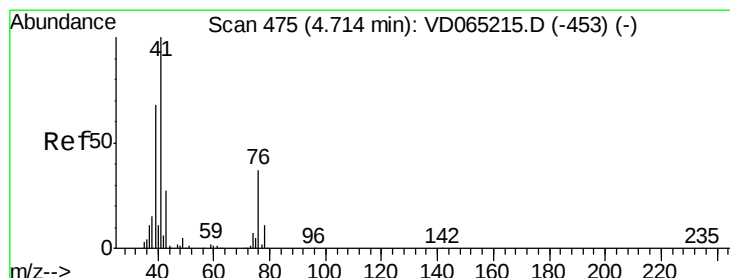
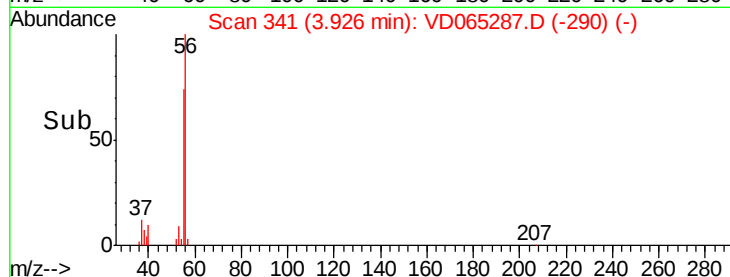
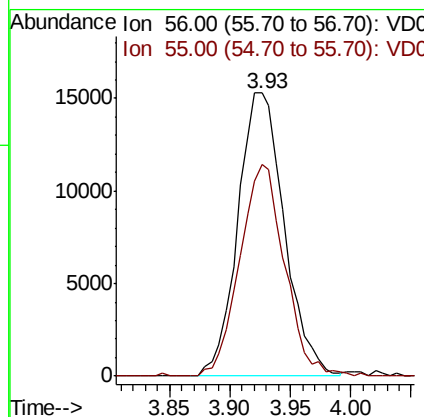
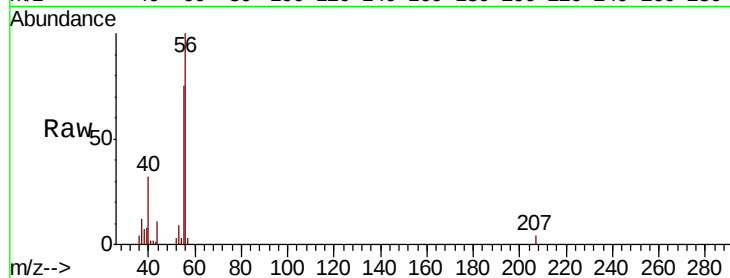
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 41016

Ion Ratio Lower Upper

56 100

55 71.9 56.6 85.0



#14

Allyl chloride

Concen: 20.077 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

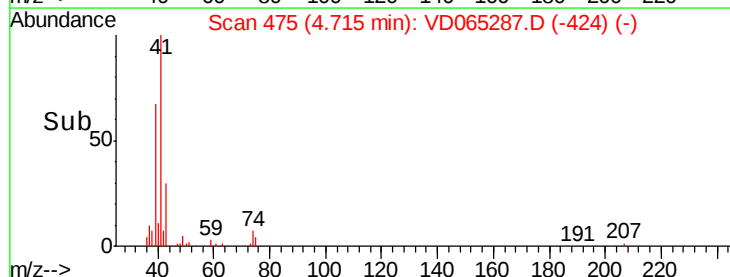
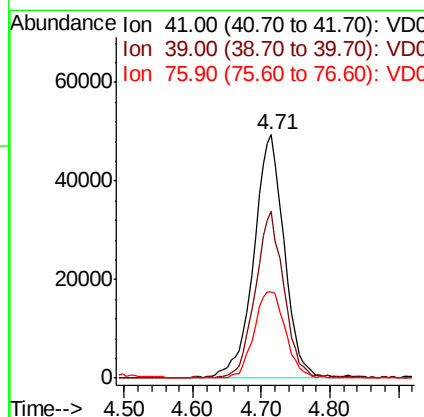
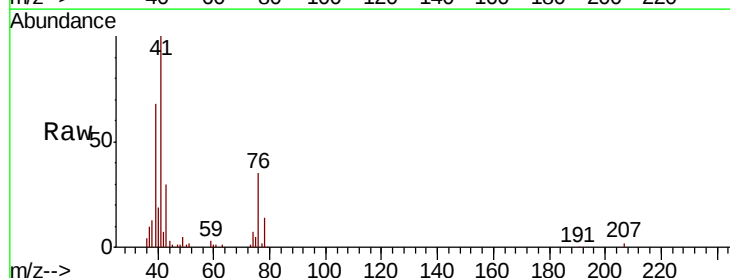
Tgt Ion: 41 Resp: 152990

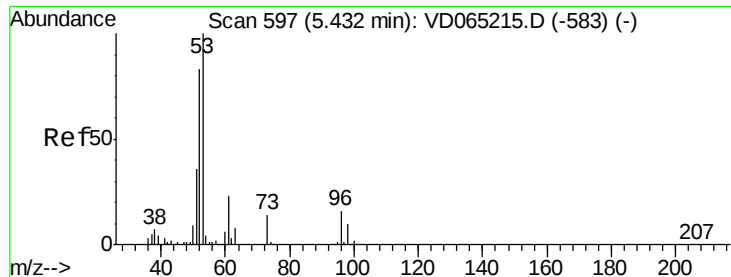
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 101.566 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

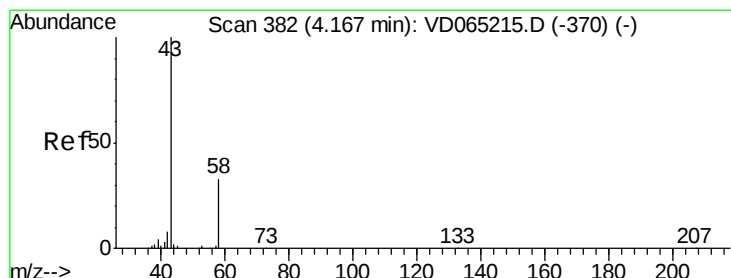
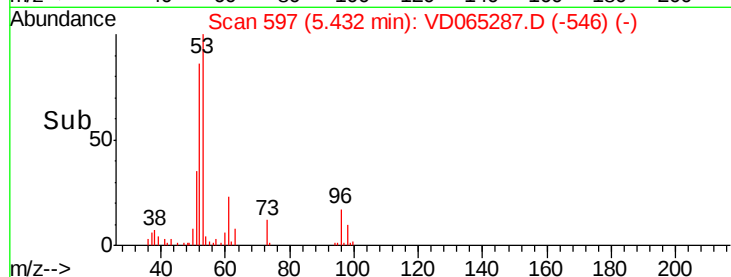
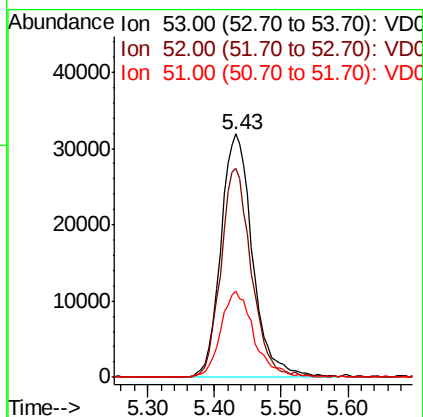
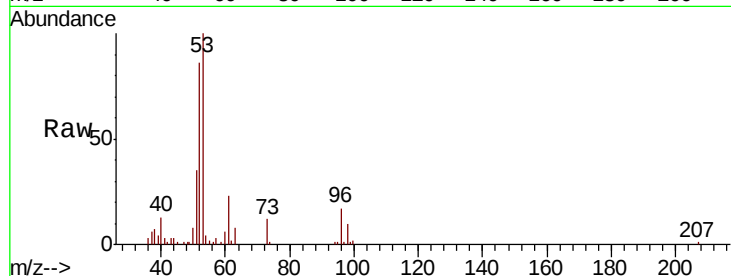
Tot Ion: 53 Resp: 106771

Ion Ratio Lower Upper

53 100

52 82.6 65.4 98.2

51 37.0 29.5 44.3



#16

Acetone

Concen: 91.877 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065287.D

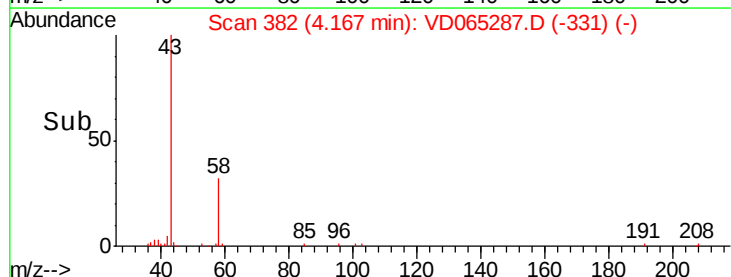
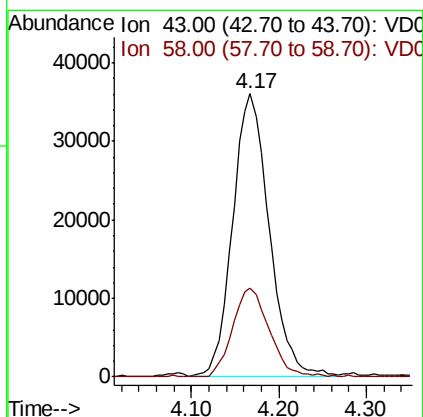
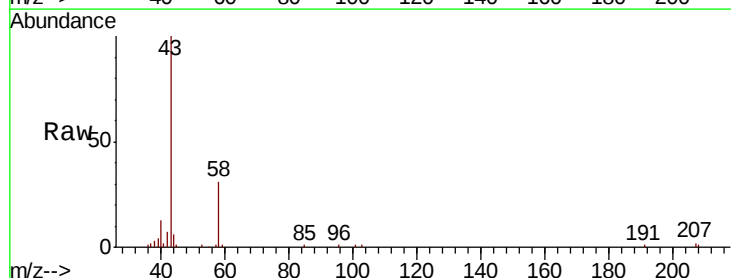
Acq: 24 Feb 2020 11:41

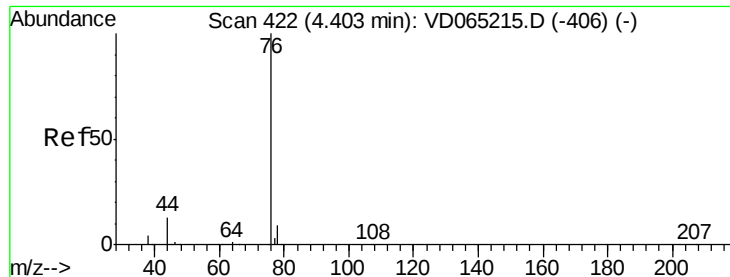
Tgt Ion: 43 Resp: 102260

Ion Ratio Lower Upper

43 100

58 31.5 26.2 39.2

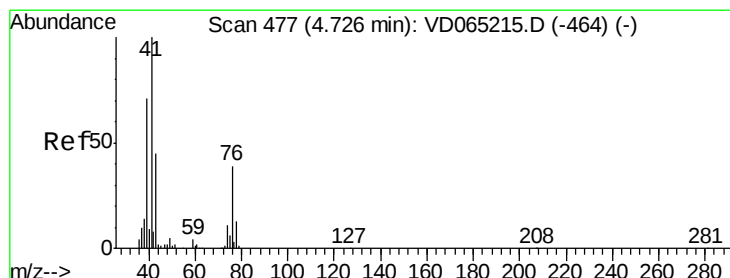
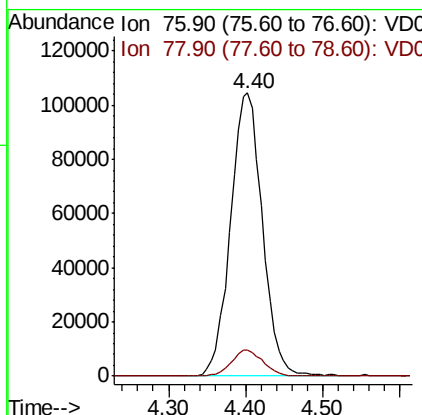
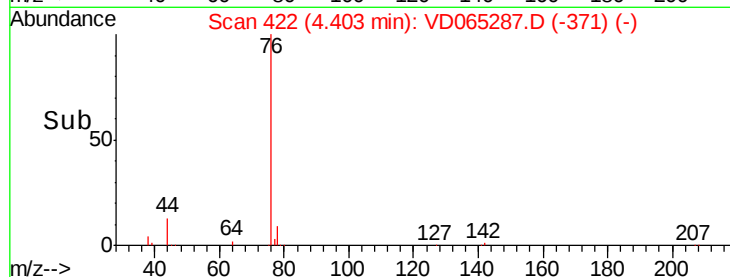
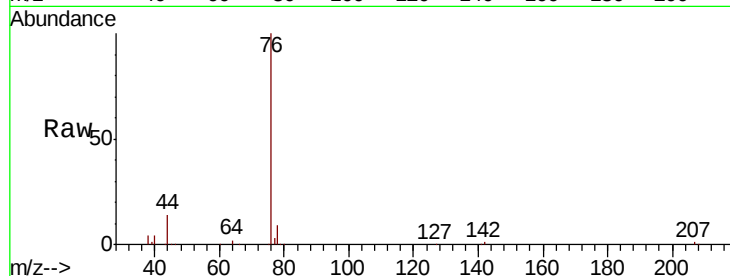




#17
Carbon Disulfide
Concen: 19.202 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

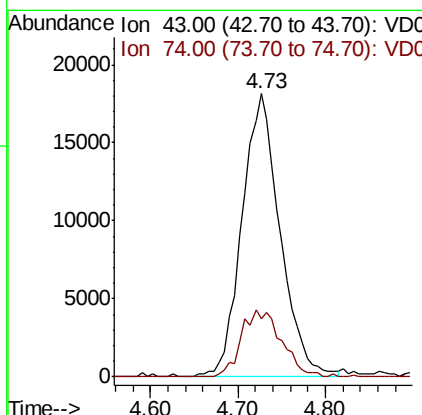
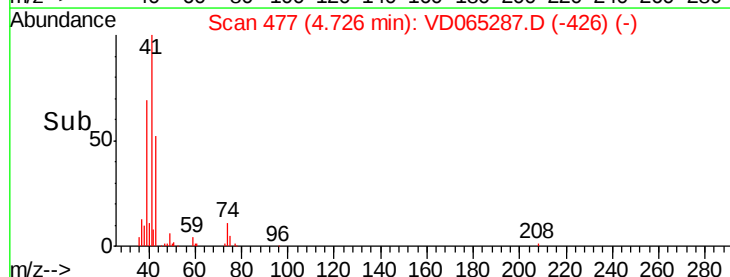
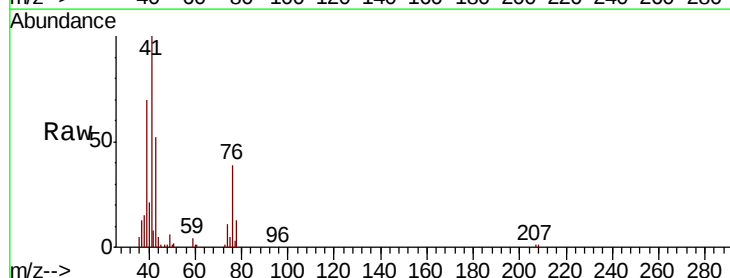
Instrument :
MSVOA_D
ClientSampleId :

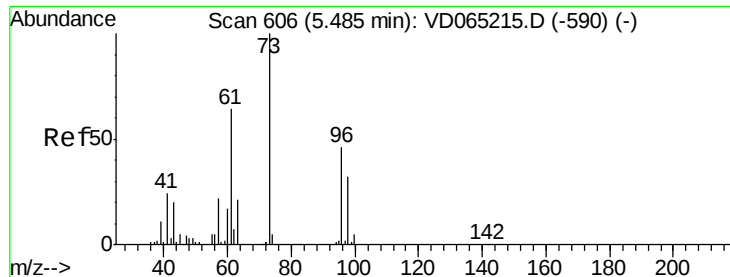
Tot Ion: 76 Resp: 302090
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 21.482 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 43 Resp: 53774
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.2



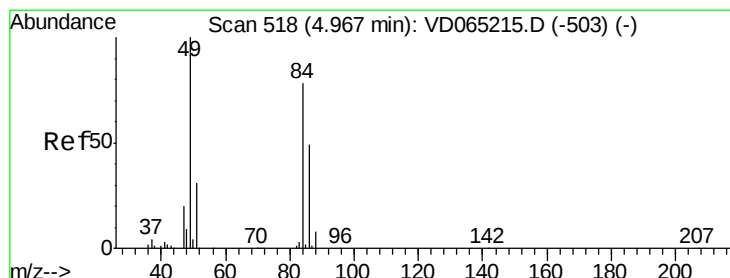
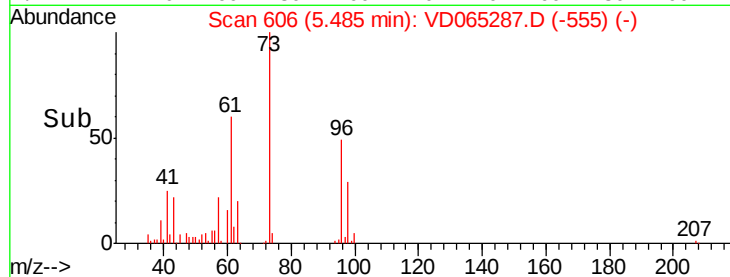
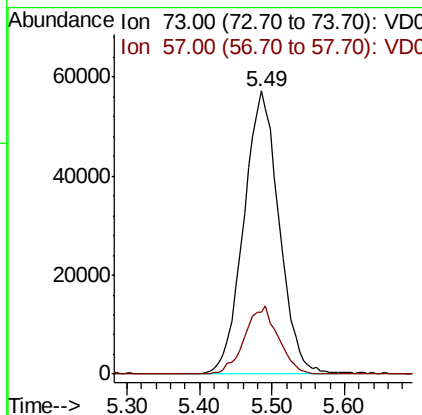
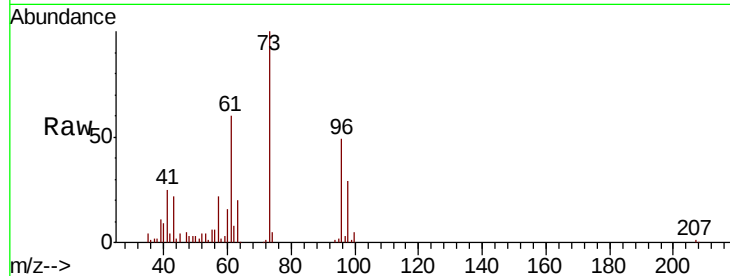


#19

Methyl tert-butyl Ether
 Concen: 19.754 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :

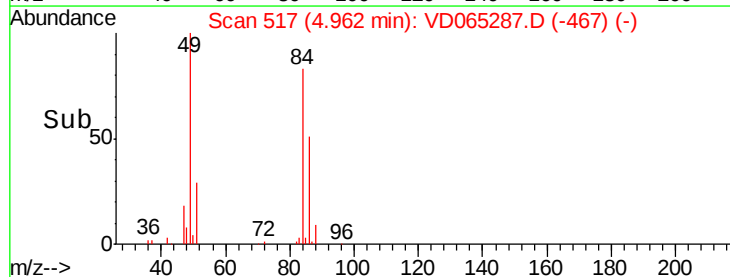
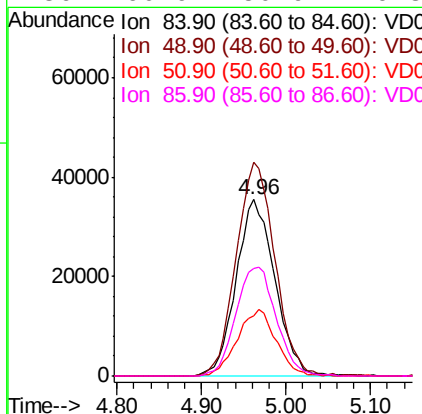
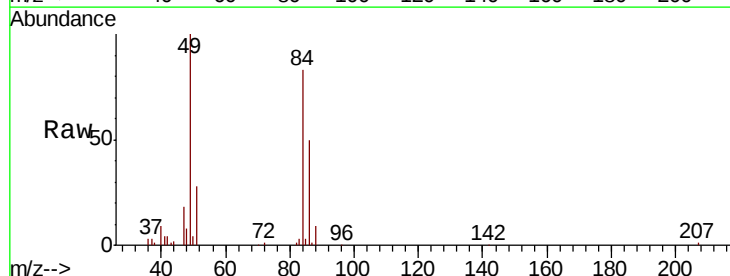
Tot Ion: 73 Resp: 193304
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.3 25.9

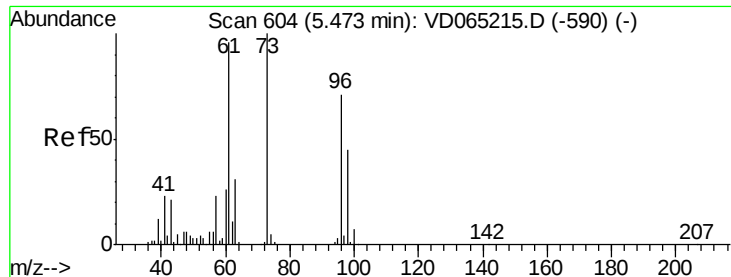


#20

Methylene Chloride
 Concen: 20.063 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion: 84 Resp: 113085
 Ion Ratio Lower Upper
 84 100
 49 121.1 103.1 154.7
 51 34.2 31.7 47.5
 86 60.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.127 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

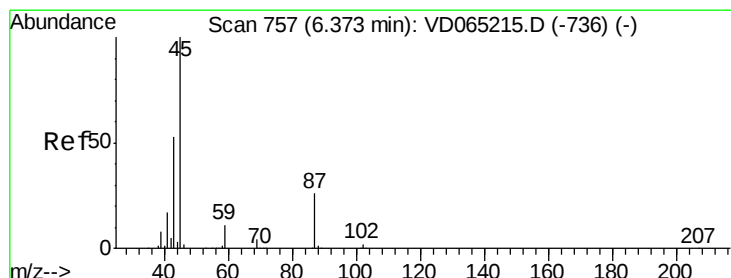
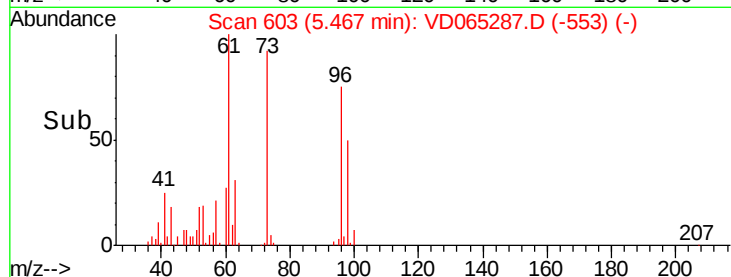
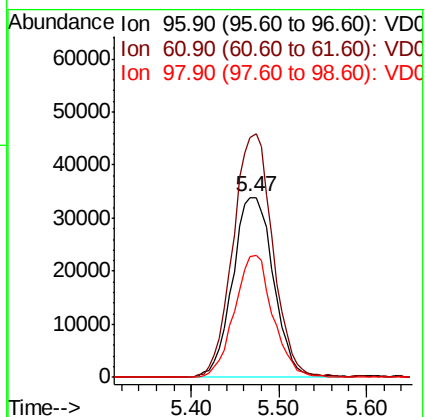
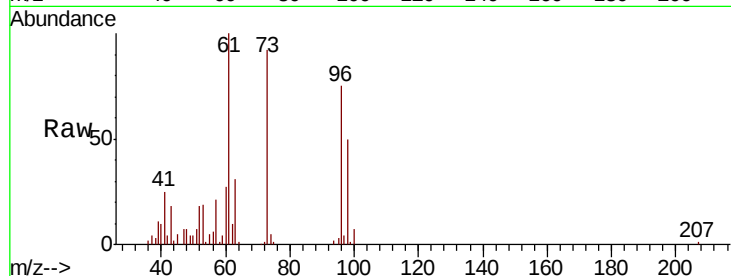
Tot Ion: 96 Resp: 107370

Ion Ratio Lower Upper

96 100

61 133.3 108.3 162.5

98 67.1 50.7 76.1



#22

Diisopropyl ether

Concen: 20.342 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion: 45 Resp: 298828

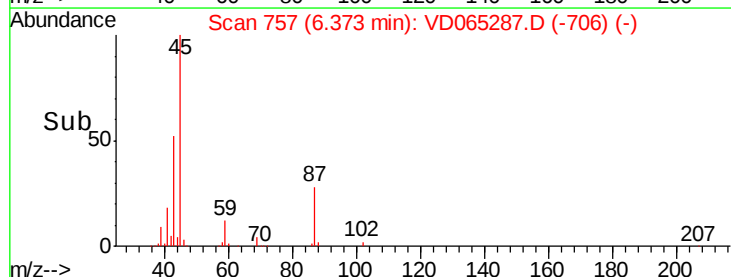
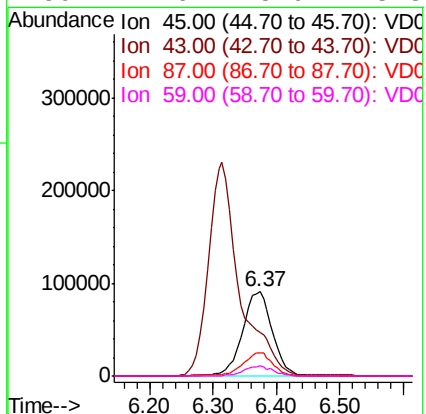
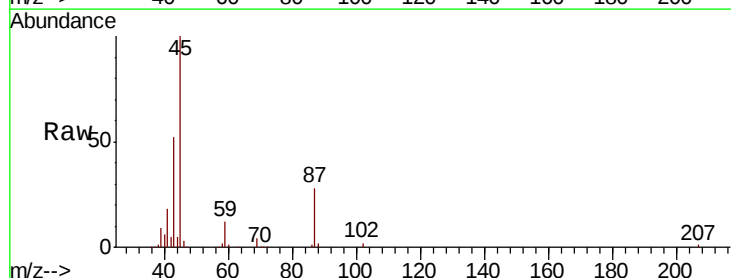
Ion Ratio Lower Upper

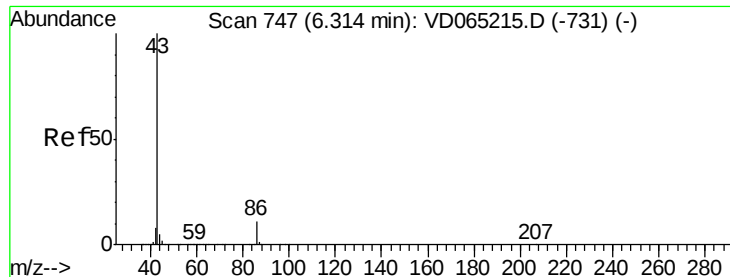
45 100

43 50.7 42.6 64.0

87 27.7 21.2 31.8

59 11.6 8.9 13.3





#23

Vinyl Acetate

Concen: 98.070 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

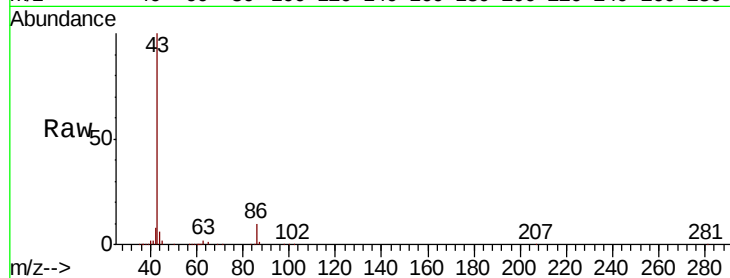
ClientSampled :

Tot Ion: 43 Resp: 794234

Ion Ratio Lower Upper

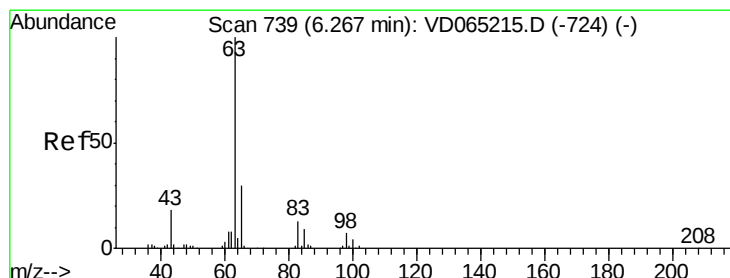
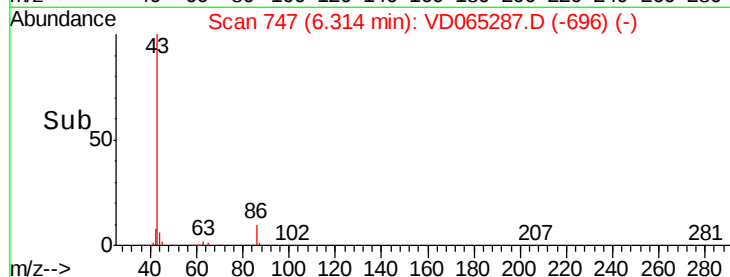
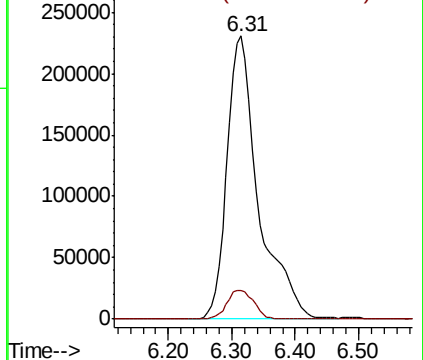
43 100

86 10.3 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.910 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

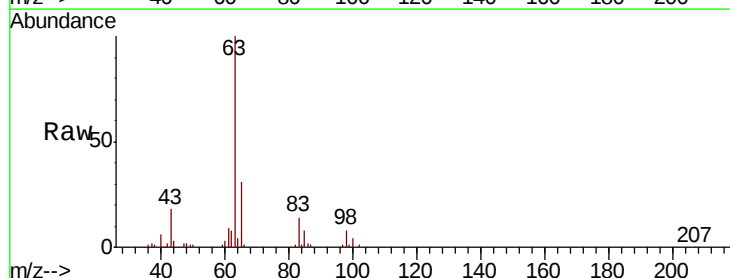
Tgt Ion: 63 Resp: 181416

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

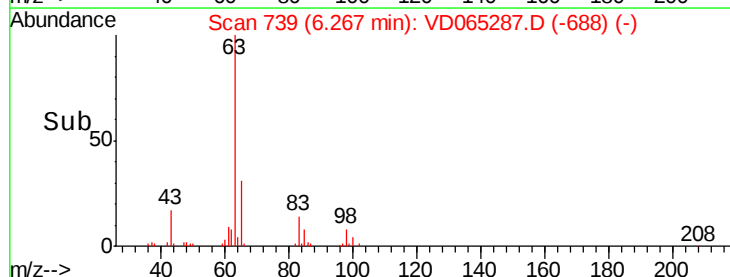
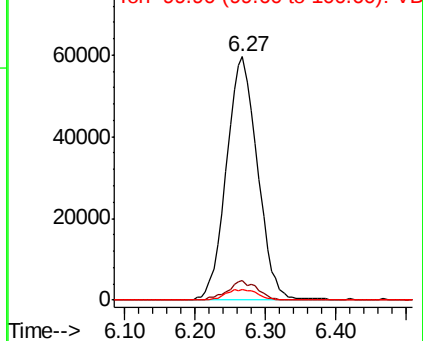
100 4.2 2.3 6.8

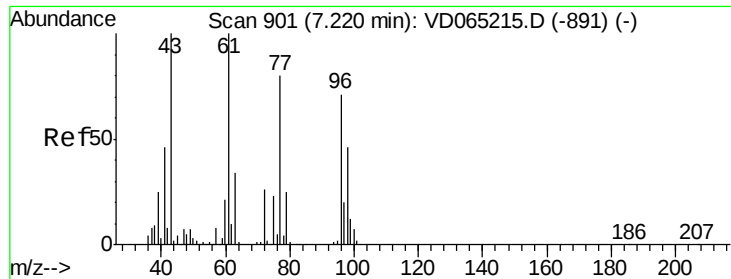


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 93.572 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

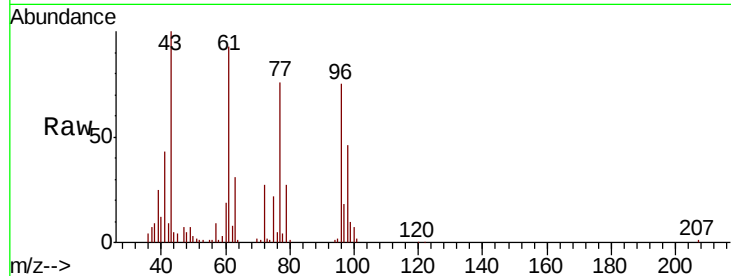
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 131768

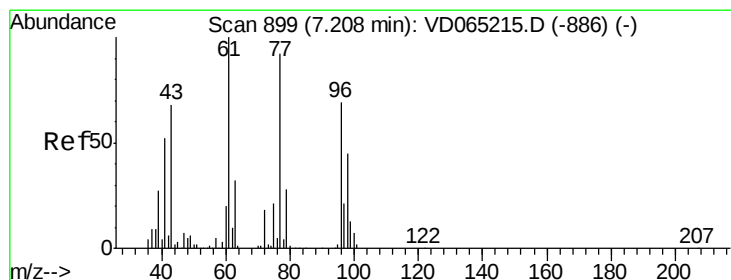
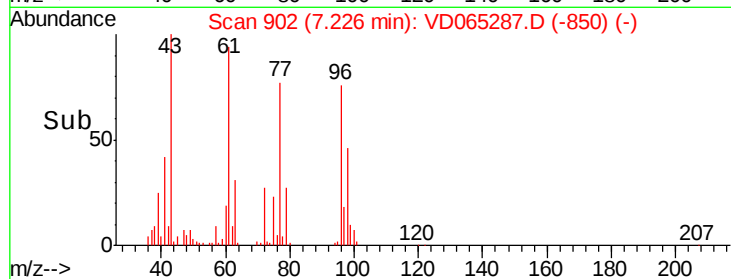
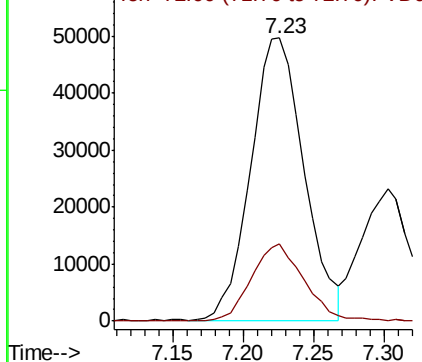
Ion Ratio Lower Upper

43 100

72 27.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.838 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065287.D

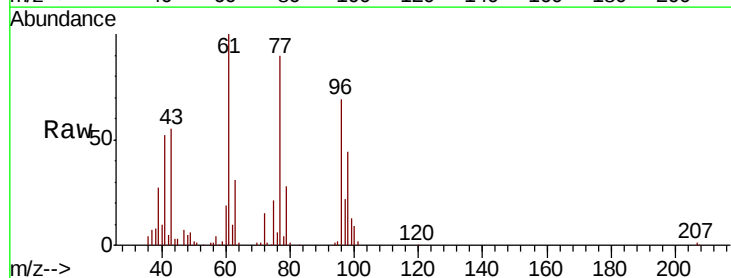
Acq: 24 Feb 2020 11:41

Tgt Ion: 77 Resp: 156836

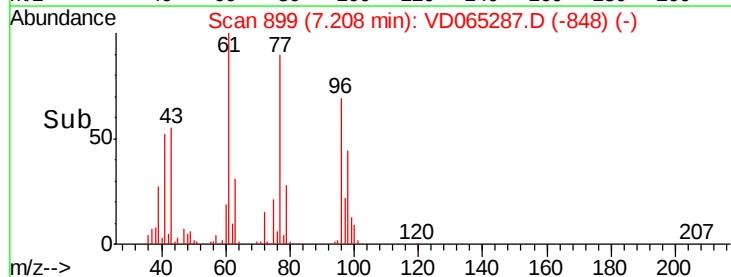
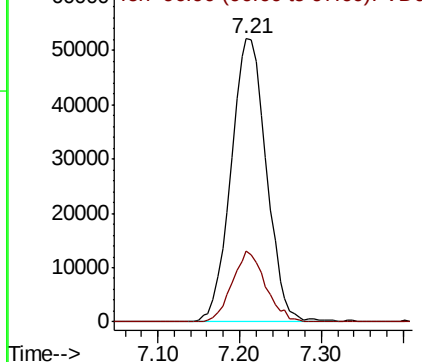
Ion Ratio Lower Upper

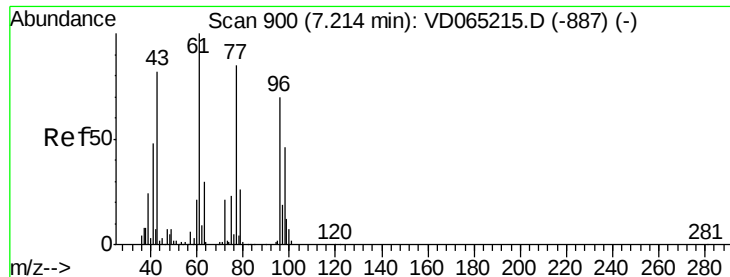
77 100

97 23.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



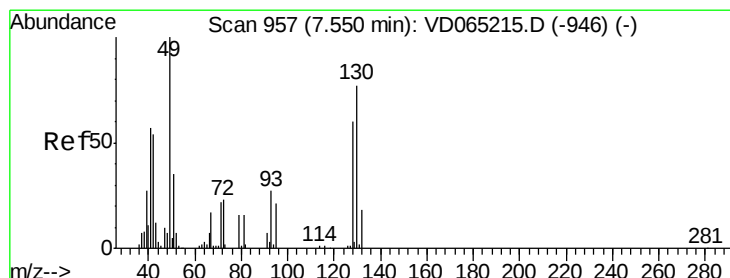
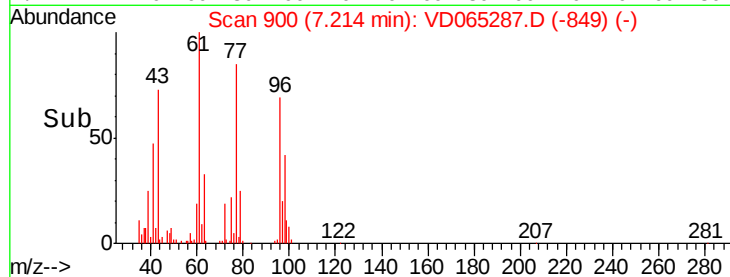
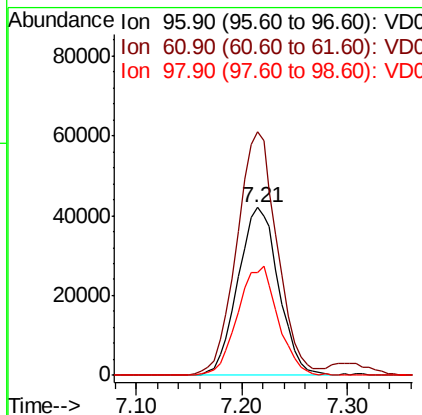
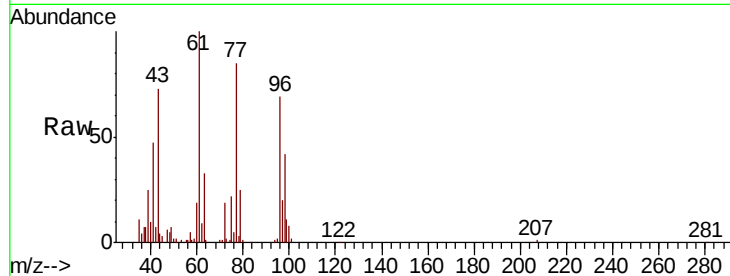


#27

cis-1,2-Dichloroethene
 Concen: 19.895 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampled :

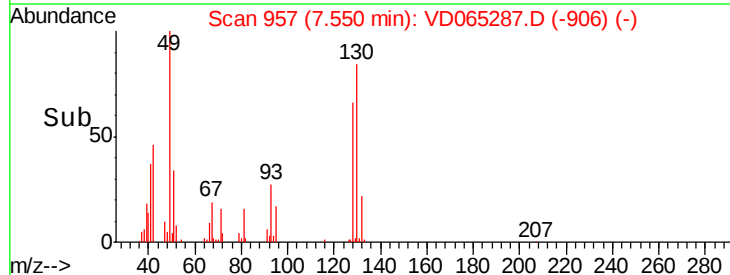
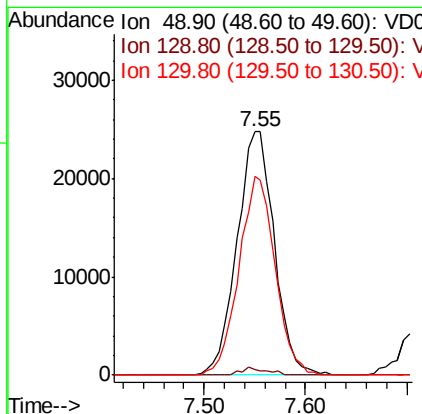
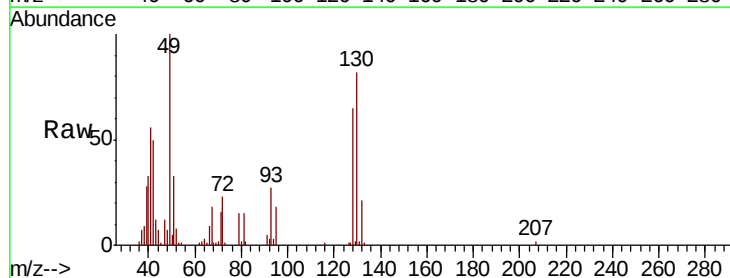
Tot Ion	96	Resp	112422
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	286.0
98	64.4	0.0	127.8

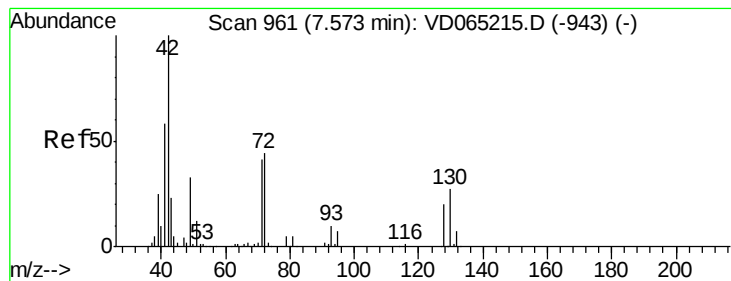


#28

Bromochloromethane
 Concen: 18.735 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	49	Resp	63332
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	78.9	64.7	97.1





#29

Tetrahydrofuran

Concen: 102.053 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :

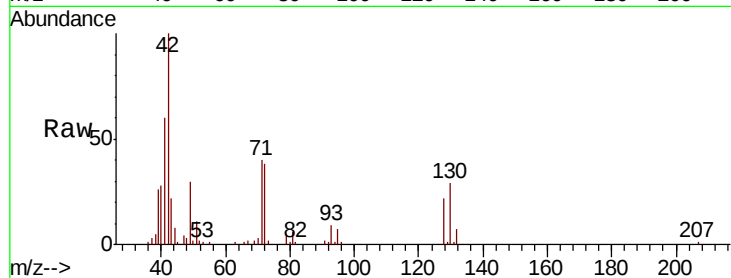
Tot Ion: 42 Resp: 84204

Ion Ratio Lower Upper

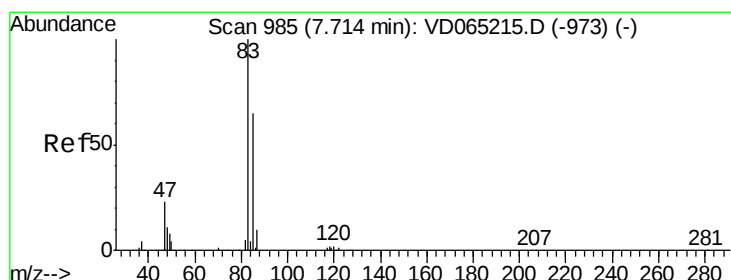
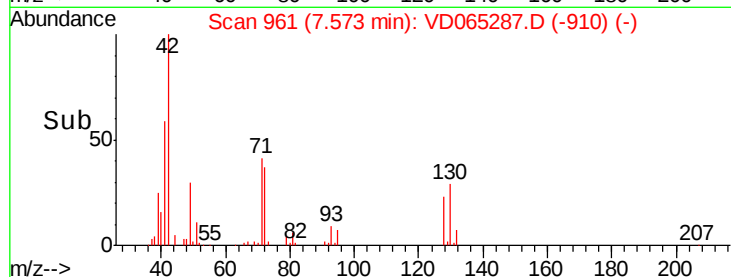
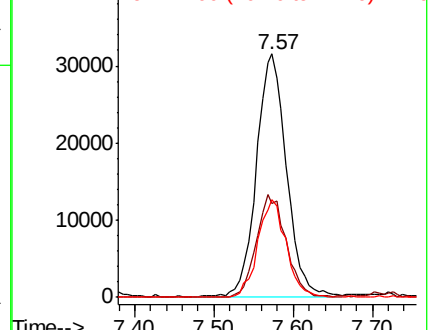
42 100

72 40.9 33.7 50.5

71 37.5 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: 19.993 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065287.D

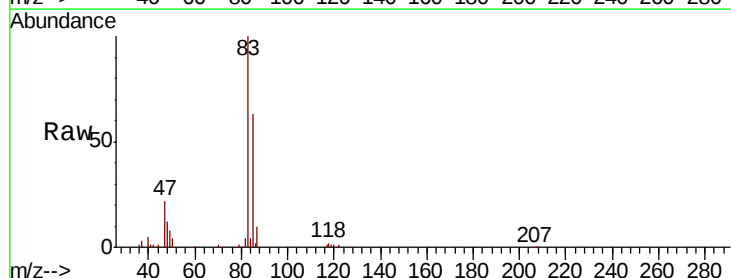
Acq: 24 Feb 2020 11:41

Tgt Ion: 83 Resp: 183537

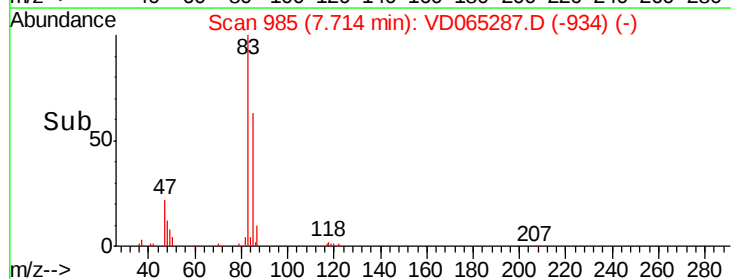
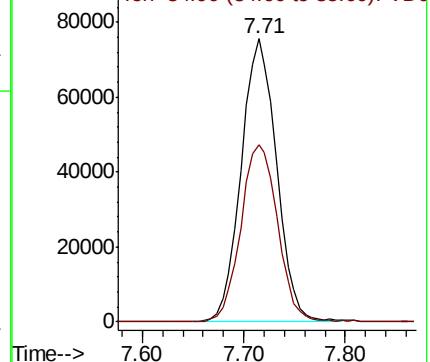
Ion Ratio Lower Upper

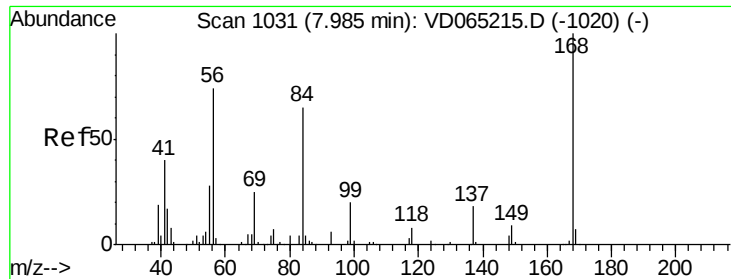
83 100

85 62.6 52.3 78.5



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

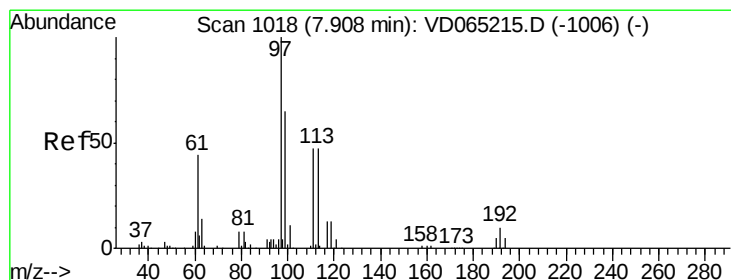
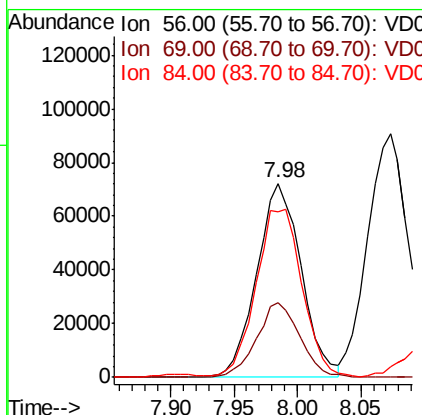
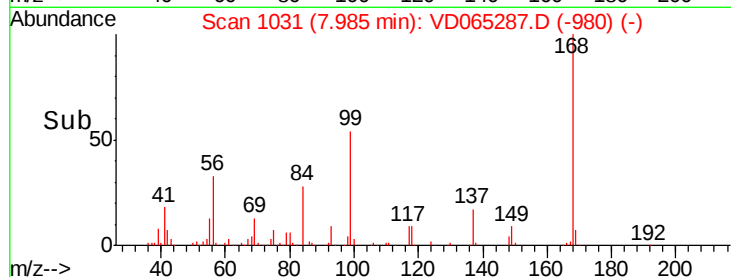
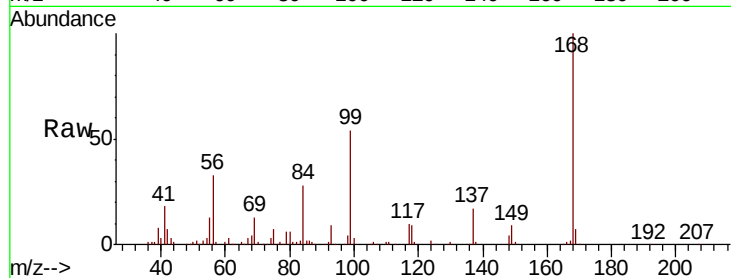




#31
Cyclohexane
Concen: 19.711 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

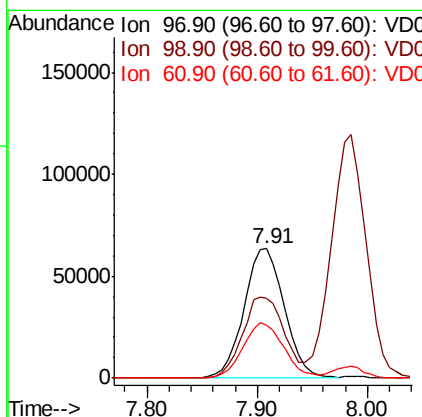
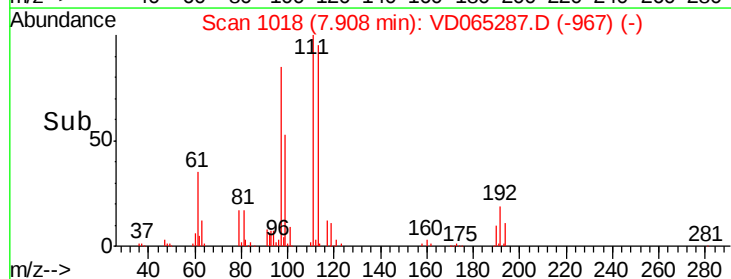
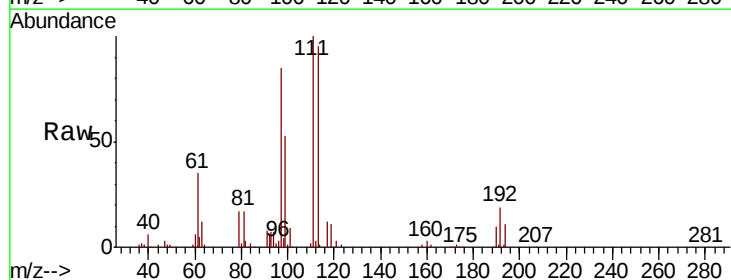
Instrument :
MSVOA_D
ClientSampled :

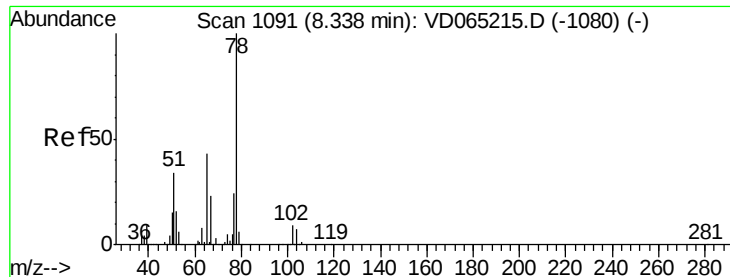
Tot Ion: 56 Resp: 176462
Ion Ratio Lower Upper
56 100
69 38.6 27.4 41.0
84 84.0 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 19.876 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 97 Resp: 163252
Ion Ratio Lower Upper
97 100
99 65.4 51.4 77.2
61 43.3 34.8 52.2

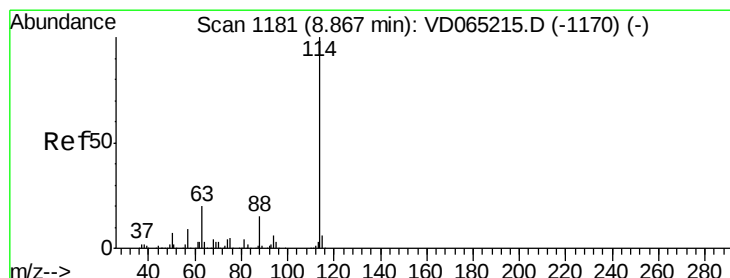
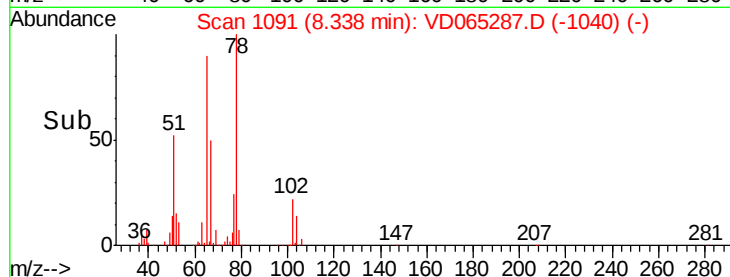
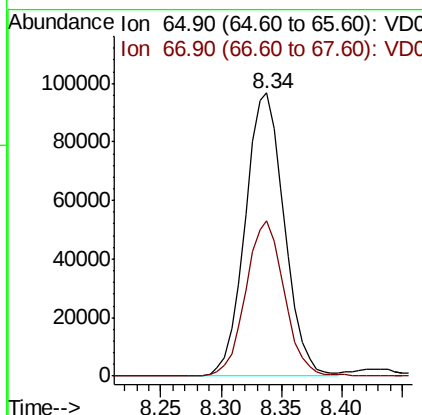
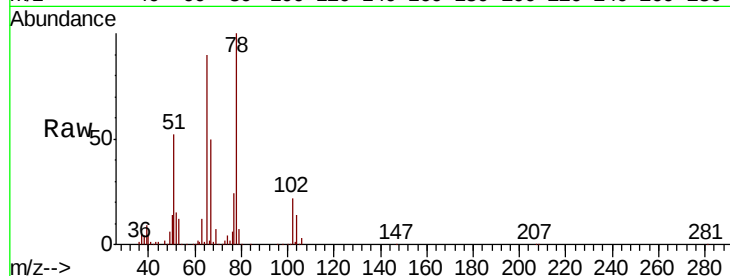




#33
 1,2-Dichloroethane-d4
 Concen: 48.076 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

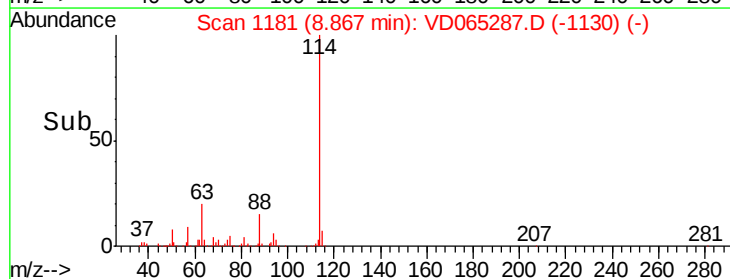
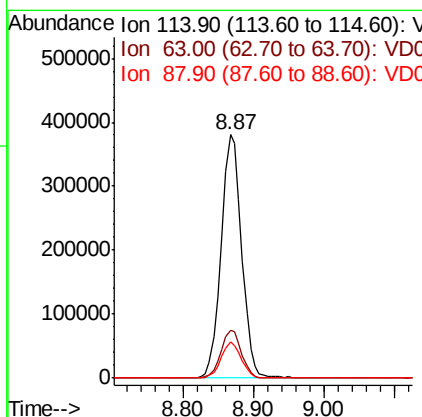
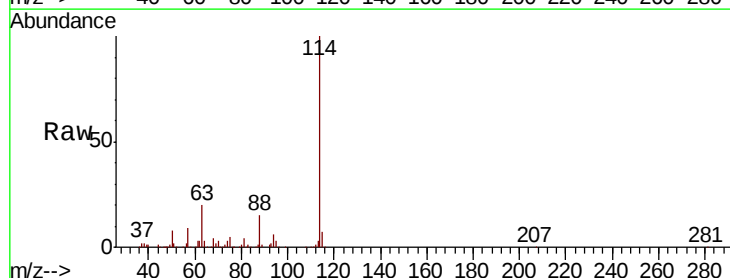
Instrument :
 MSVOA_D
 ClientSampled :

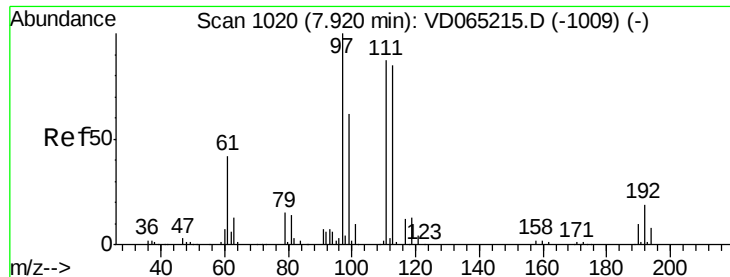
Tot Ion: 65 Resp: 218899
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion: 114 Resp: 767568
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.0 0.0 30.4

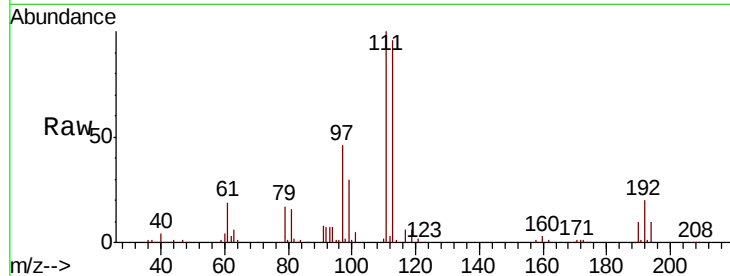




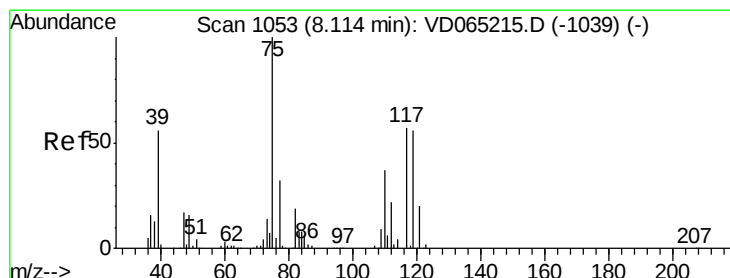
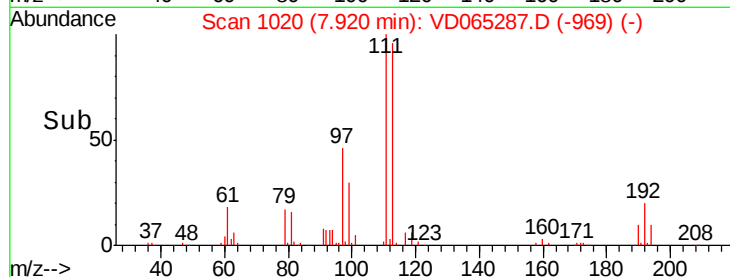
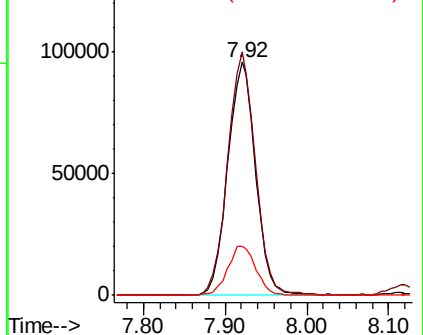
#35
Dibromofluoromethane
Concen: 48.521 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	21.4	17.3	25.9

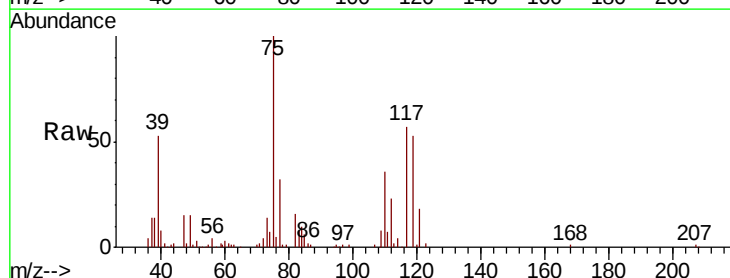


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

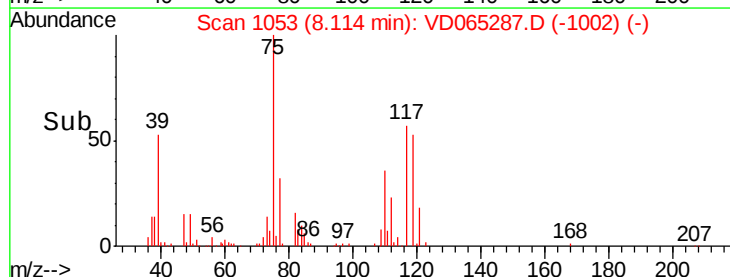
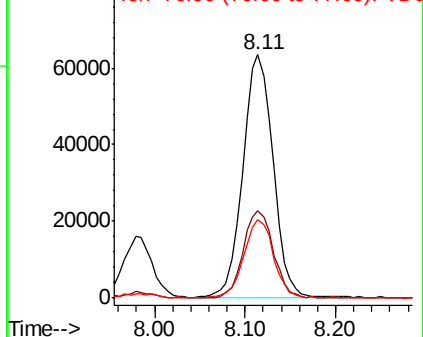


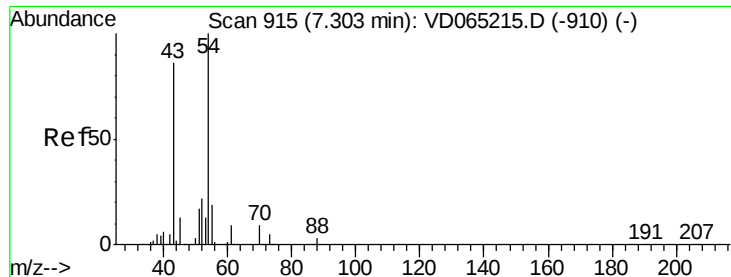
#36
1,1-Dichloropropene
Concen: 19.553 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.7
77	32.2	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

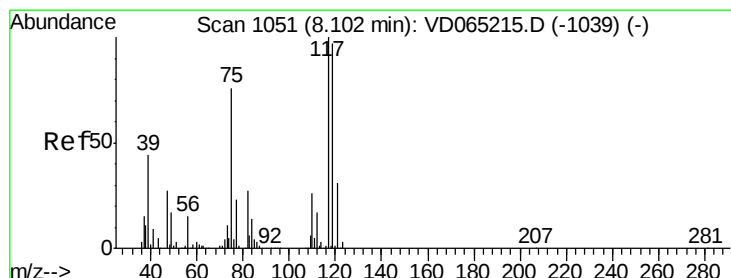
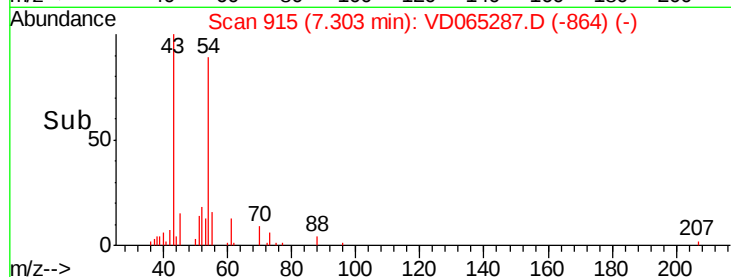
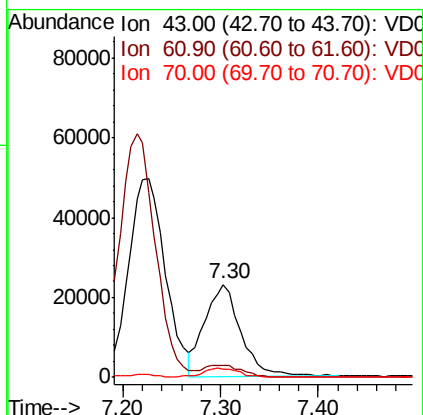
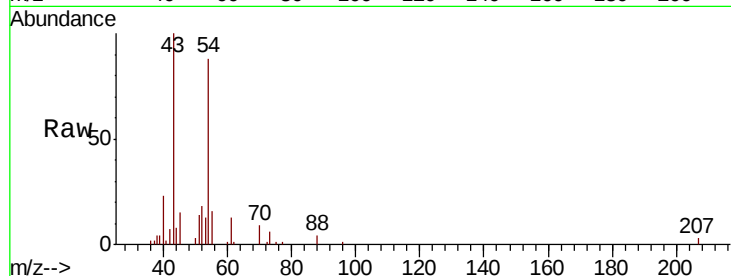




#37
Ethyl Acetate
Concen: 19.127 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

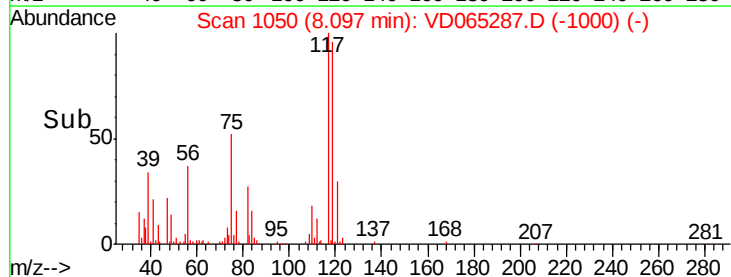
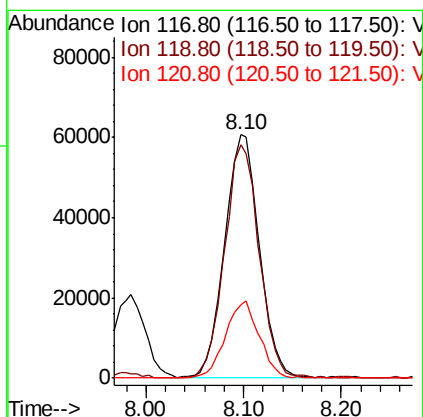
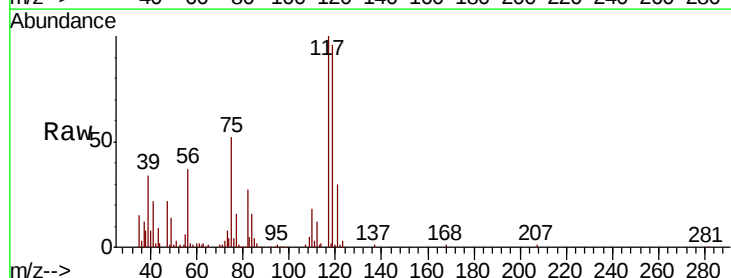
Instrument :
MSVOA_D
ClientSampleId :

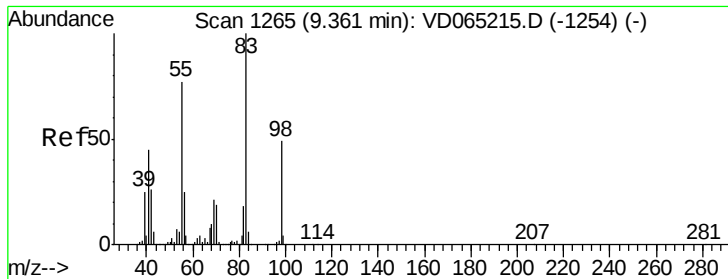
Tot Ion: 43 Resp: 59719
Ion Ratio Lower Upper
43 100
61 13.4 11.2 16.8
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.715 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 117 Resp: 149891
Ion Ratio Lower Upper
117 100
119 95.3 77.6 116.4
121 30.0 24.8 37.2

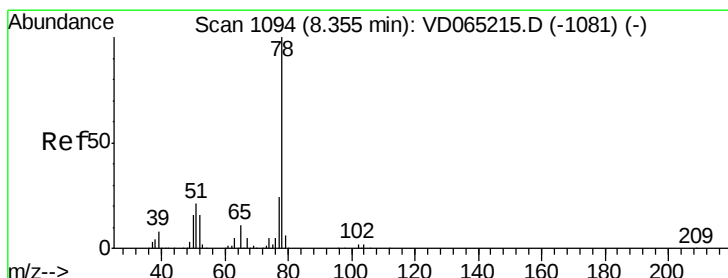
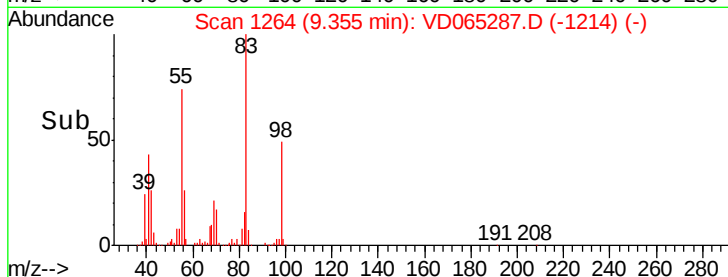
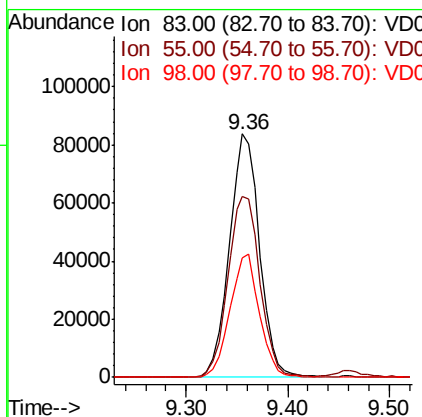
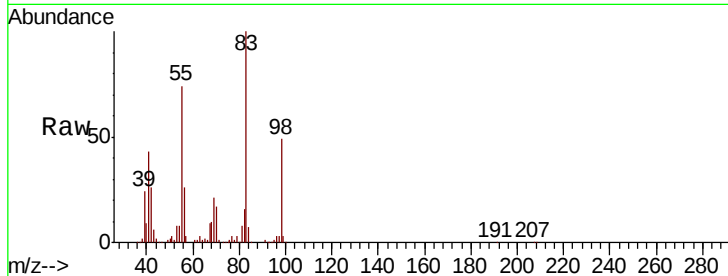




#39
Methvlcvclohexane
Concen: 19.660 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

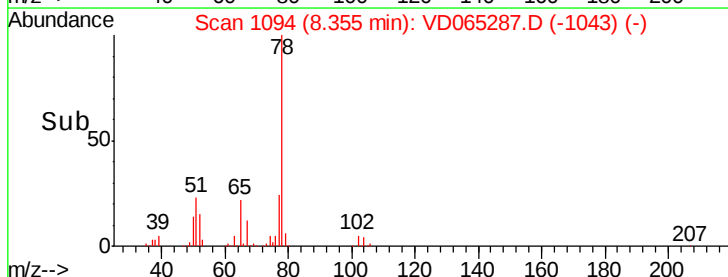
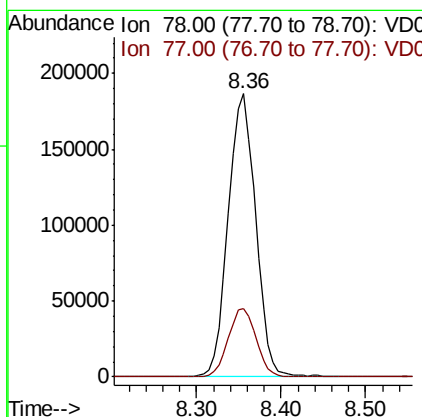
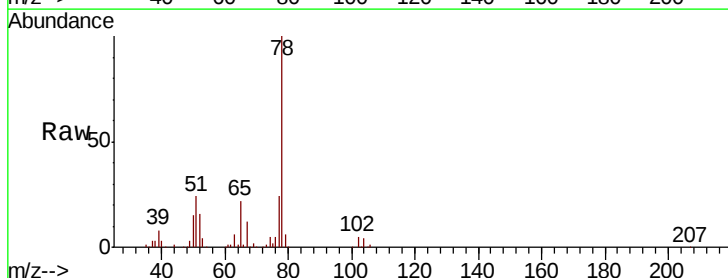
Instrument :
MSVOA_D
ClientSampleId :

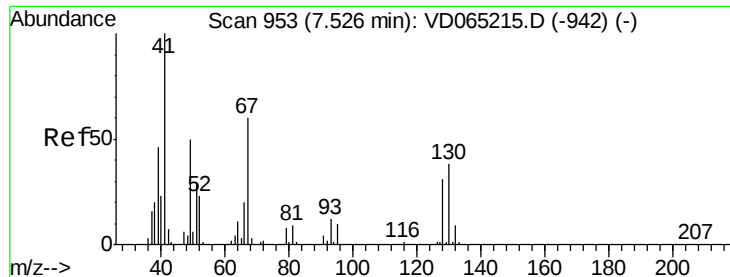
Tot Ion: 83 Resp: 172617
Ion Ratio Lower Upper
83 100
55 74.4 61.8 92.6
98 49.2 39.4 59.0



#40
Benzene
Concen: 19.869 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 78 Resp: 418844
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 18.174 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 32763

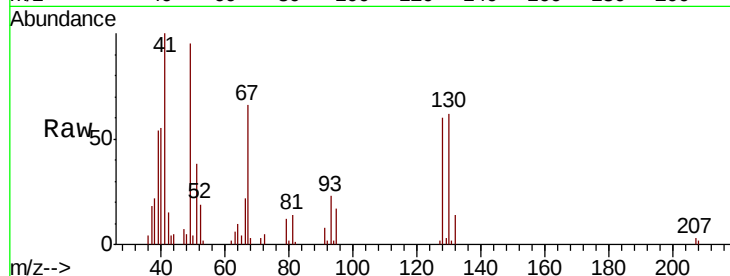
Ion Ratio Lower Upper

41 100

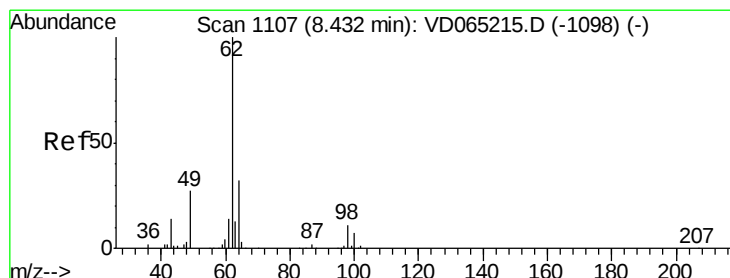
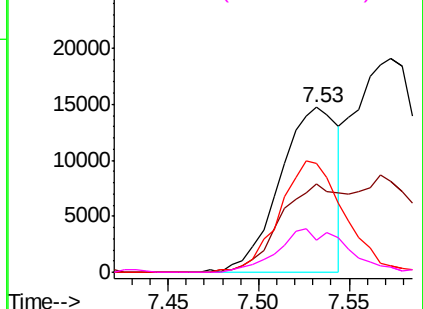
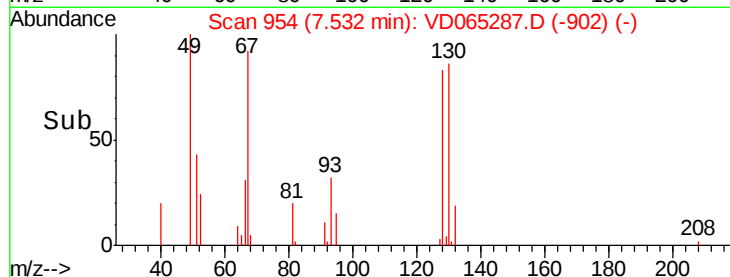
39 60.9 48.1 72.1

67 76.5 58.9 88.3

52 31.4 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: 18.895 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065287.D

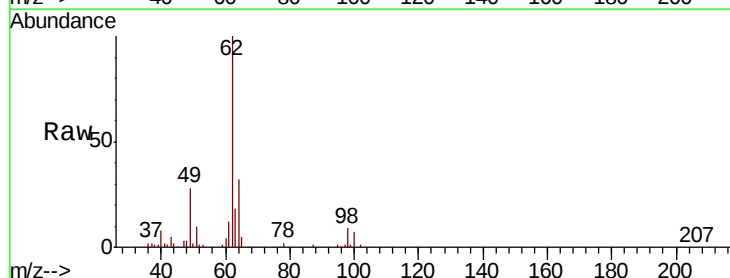
Acq: 24 Feb 2020 11:41

Tgt Ion: 62 Resp: 109504

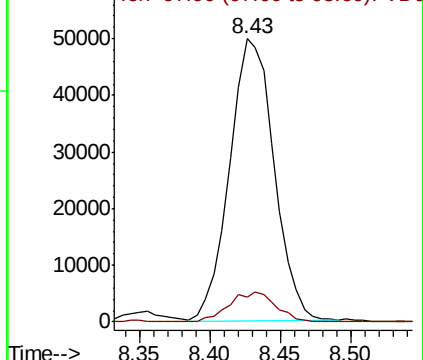
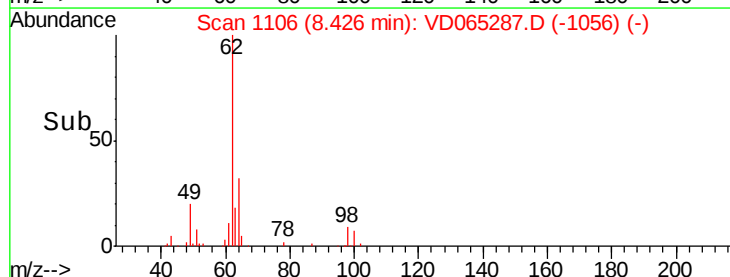
Ion Ratio Lower Upper

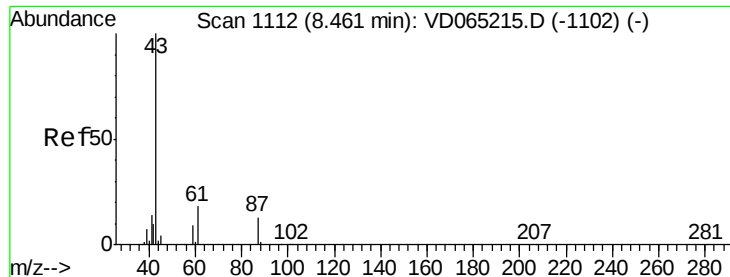
62 100

98 11.2 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: 19.469 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

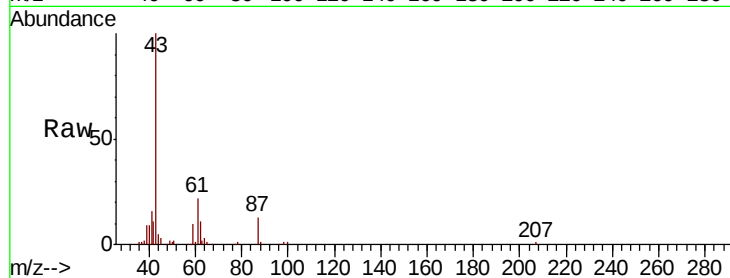
Tot Ion: 43 Resp: 110537

Ion Ratio Lower Upper

43 100

61 31.6 24.6 36.8

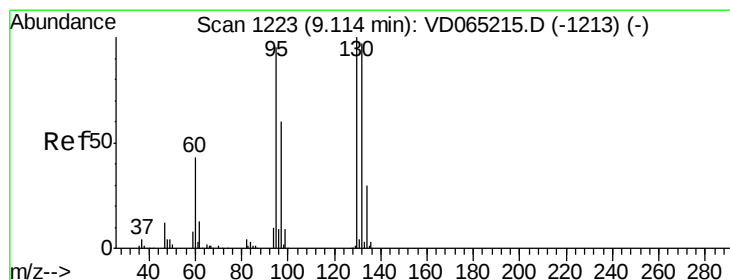
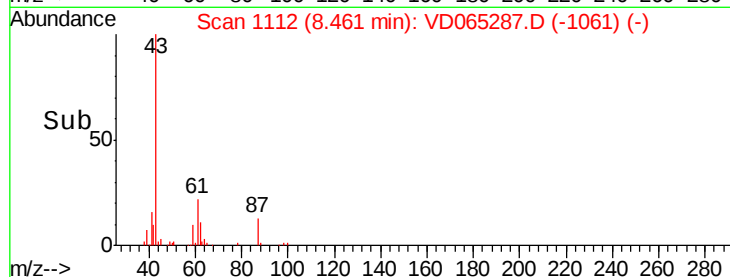
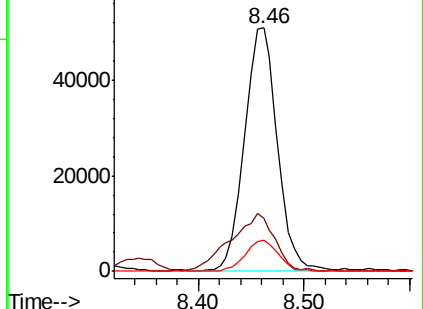
87 12.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.203 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065287.D

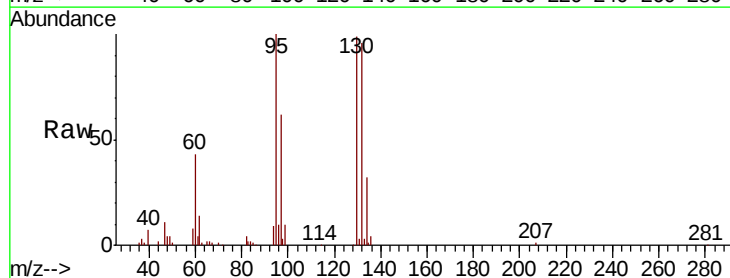
Acq: 24 Feb 2020 11:41

Tgt Ion:130 Resp: 118056

Ion Ratio Lower Upper

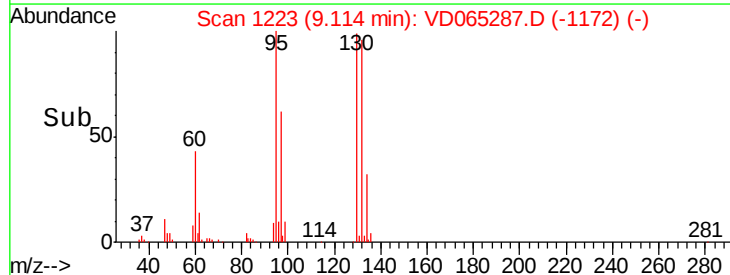
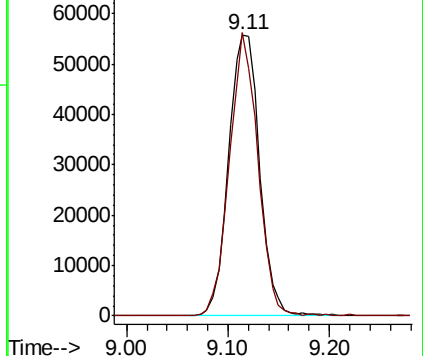
130 100

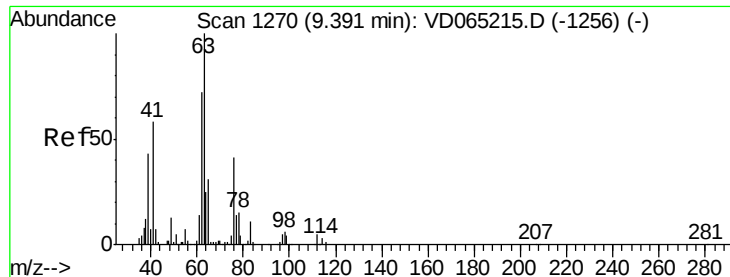
95 100.7 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

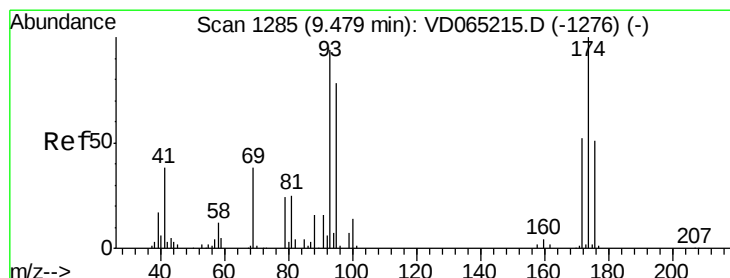
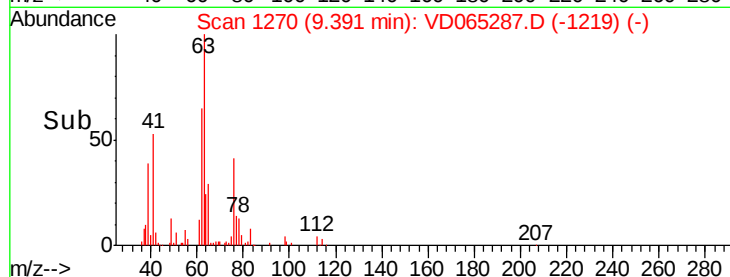
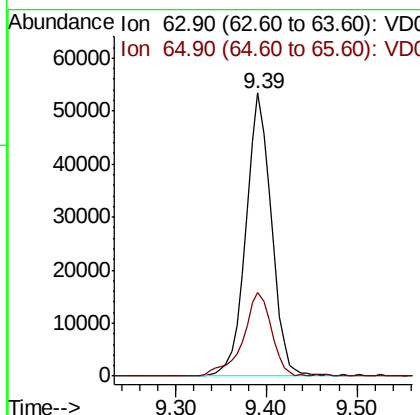
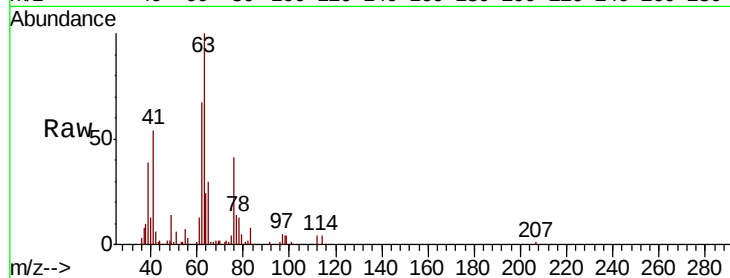




#45
 1,2-Dichloropropane
 Concen: 19.843 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

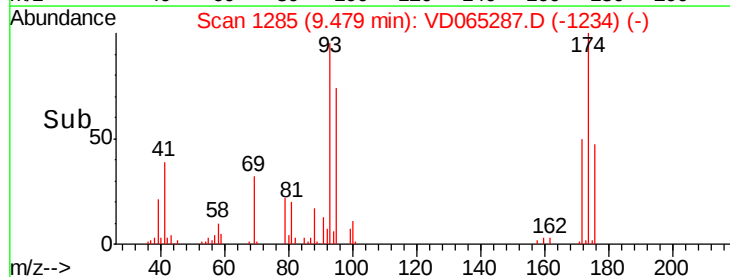
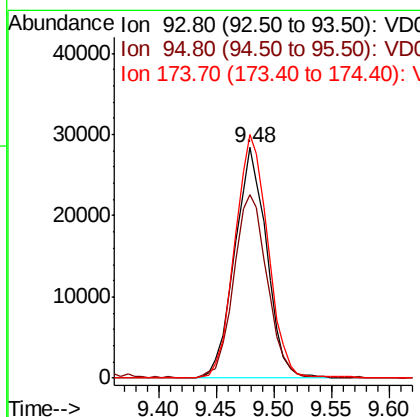
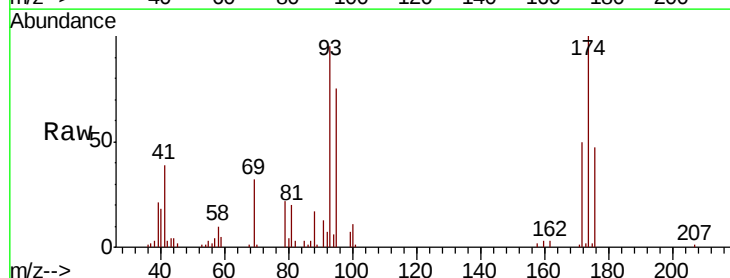
Instrument :
 MSVOA_D
 ClientSampleId :

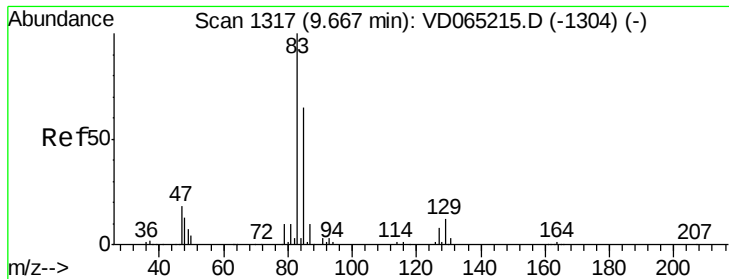
Tot Ion: 63 Resp: 104012
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.9 37.3



#46
 Dibromomethane
 Concen: 20.217 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion: 93 Resp: 54527
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.6
 174 109.0 86.8 130.2

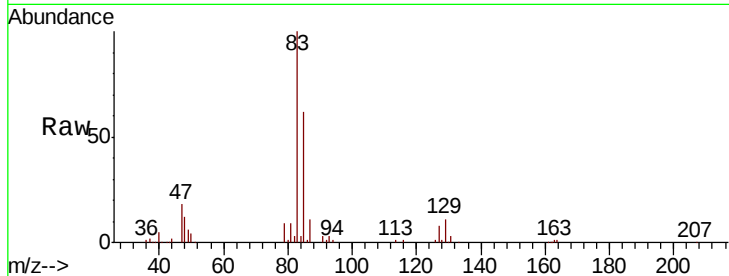




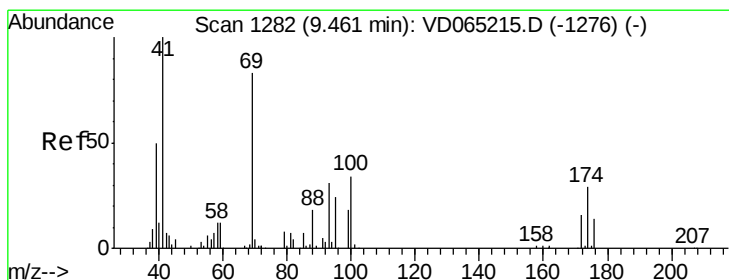
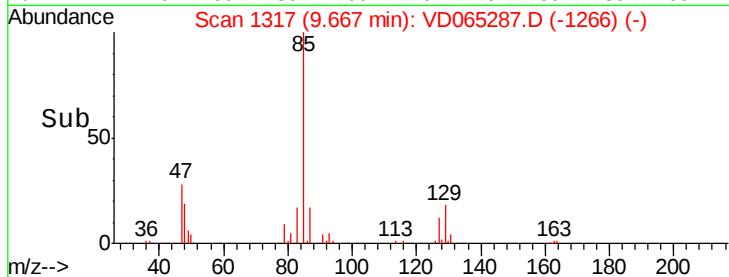
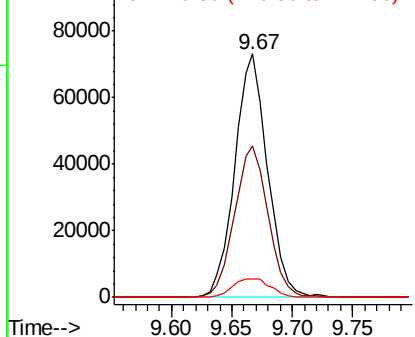
#47
Bromodichloromethane
Concen: 19.451 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 138250
Ion Ratio Lower Upper
83 100
85 62.2 52.0 78.0
127 7.6 6.7 10.1

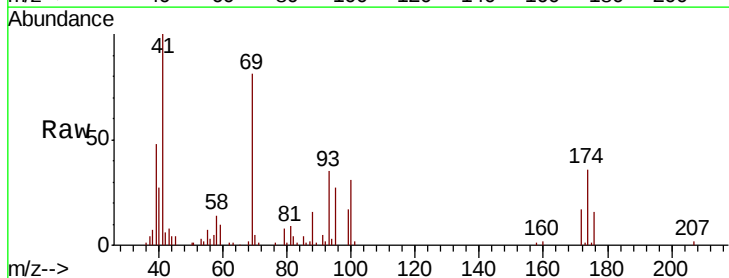


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

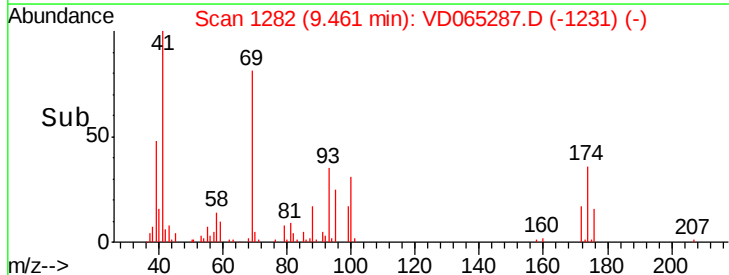
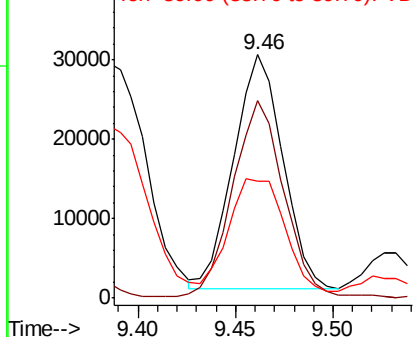


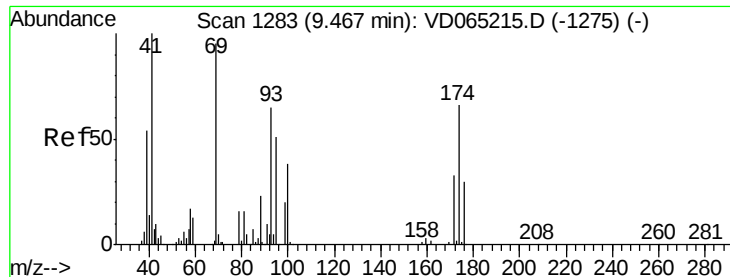
#48
Methyl methacrylate
Concen: 19.619 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 41 Resp: 51487
Ion Ratio Lower Upper
41 100
69 89.2 68.2 102.2
39 54.1 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

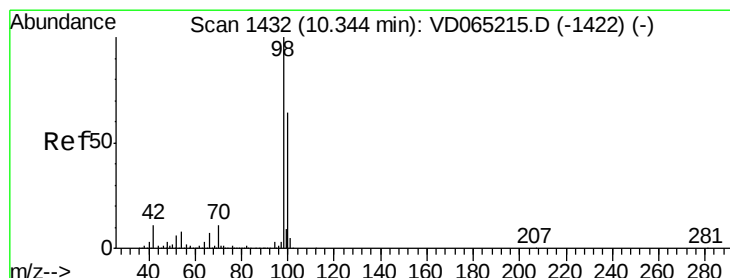
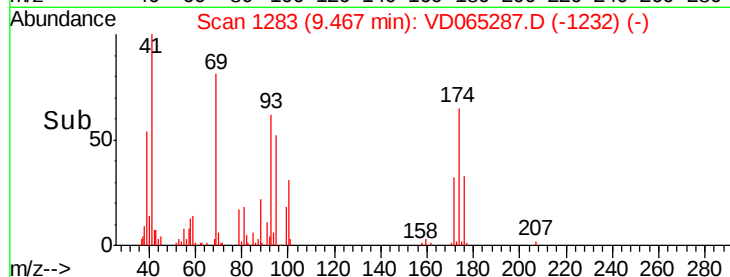
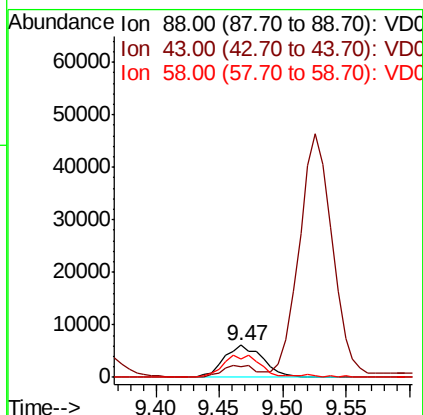
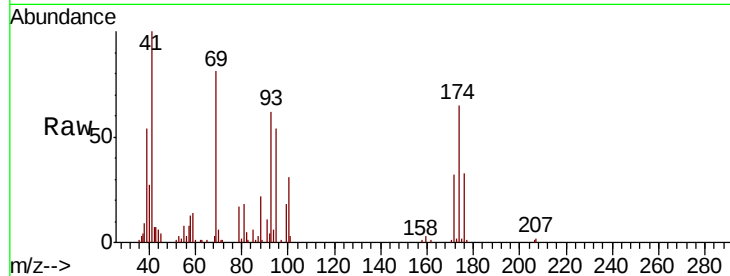




#49
1,4-Dioxane
Concen: 413.567 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

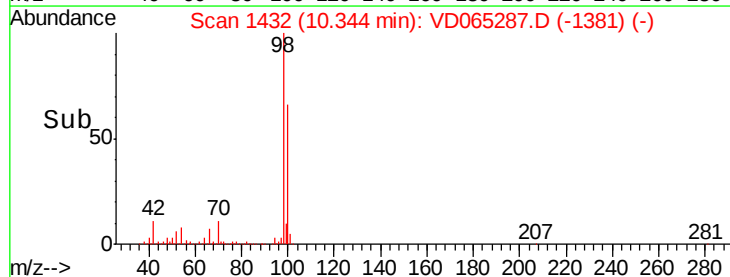
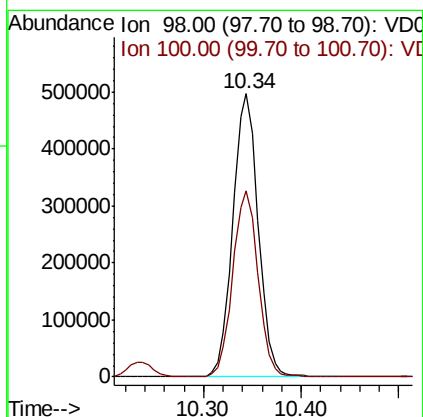
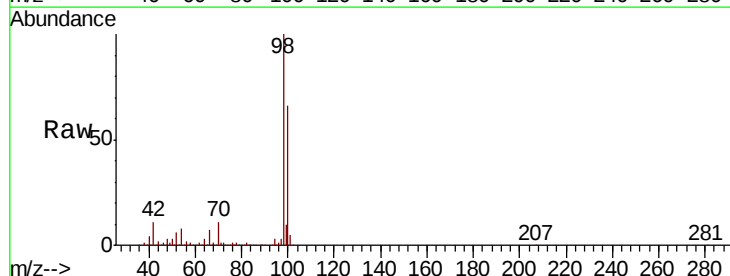
Instrument :
MSVOA_D
ClientSampleId :

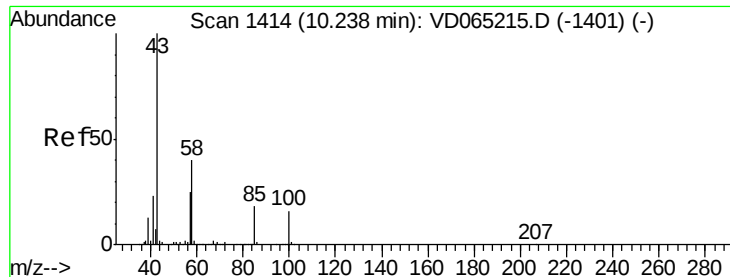
Tot Ion: 88 Resp: 13082
Ion Ratio Lower Upper
88 100
43 33.0 28.5 42.7
58 67.1 58.6 87.8



#50
Toluene-d8
Concen: 50.074 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 98 Resp: 895910
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

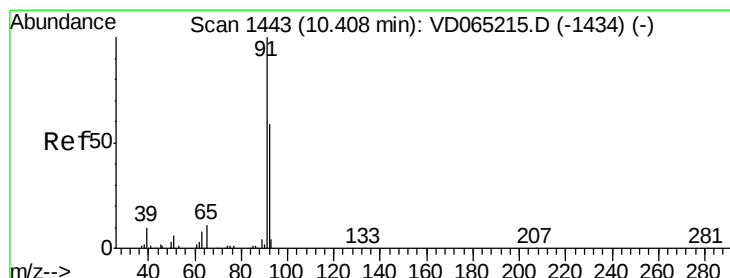
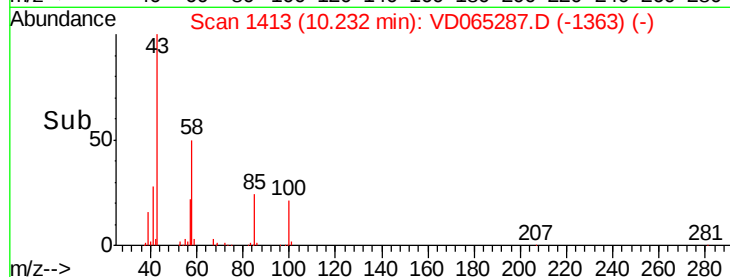
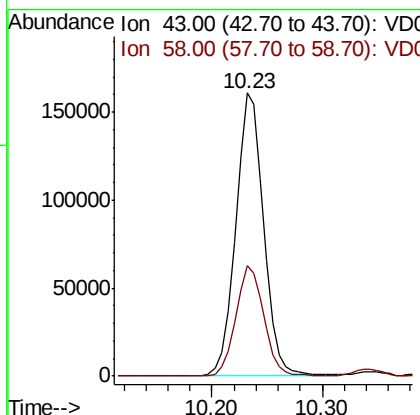
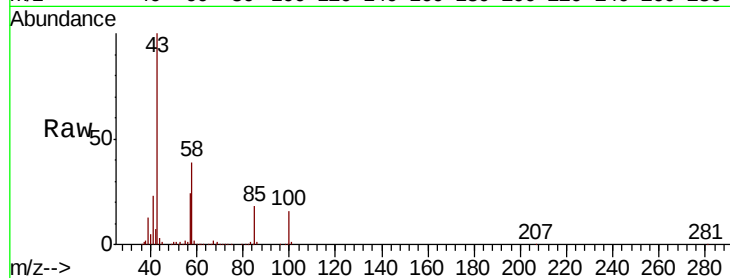




#51
4-Methyl-2-Pentanone
Concen: 99.047 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

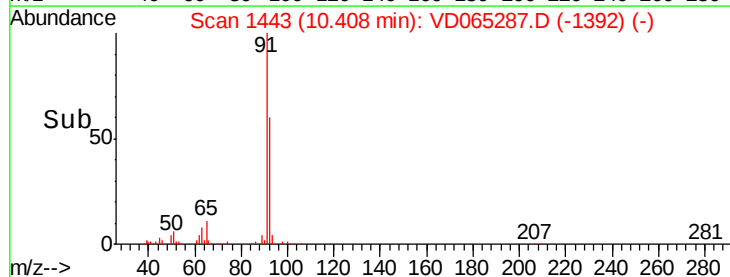
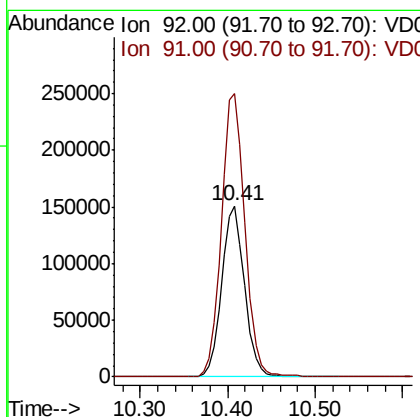
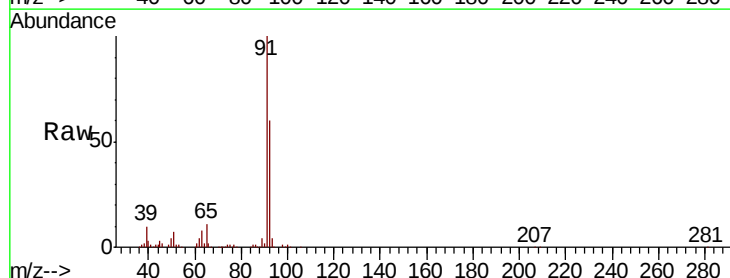
Instrument :
MSVOA_D
ClientSampleID :

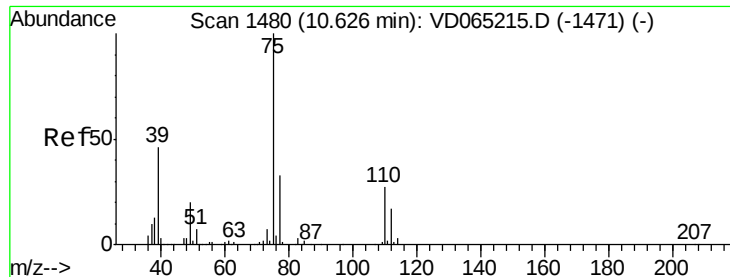
Tot Ion: 43 Resp: 285623
Ion Ratio Lower Upper
43 100
58 39.0 31.1 46.7



#52
Toluene
Concen: 20.799 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 92 Resp: 271394
Ion Ratio Lower Upper
92 100
91 170.2 136.3 204.5

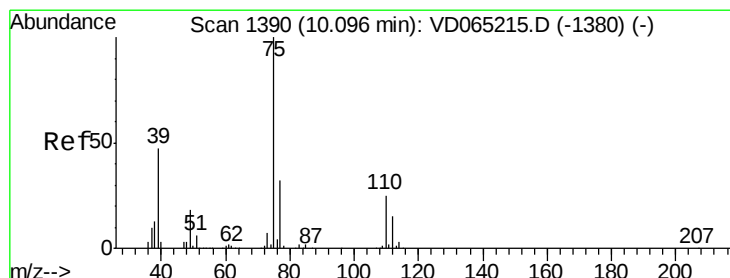
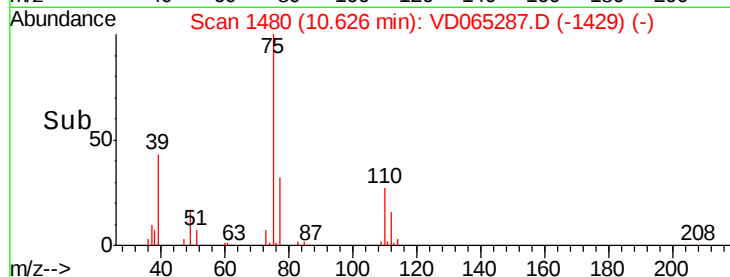
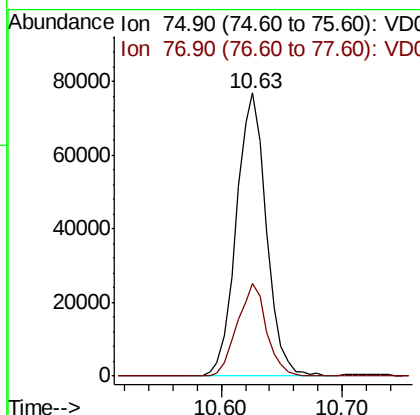
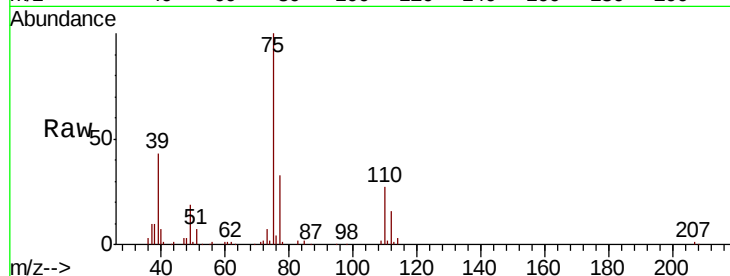




#53
t-1,3-Dichloropropene
Concen: 20.240 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

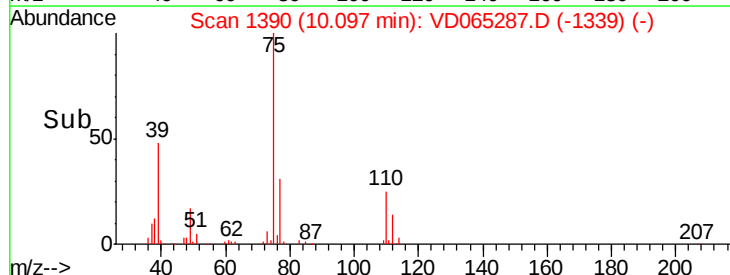
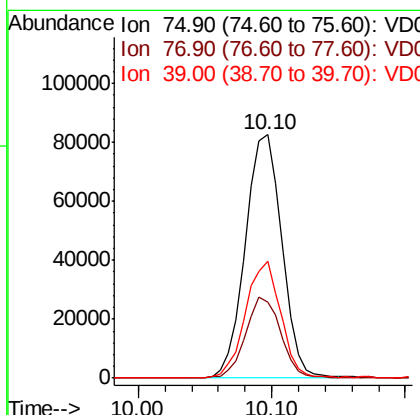
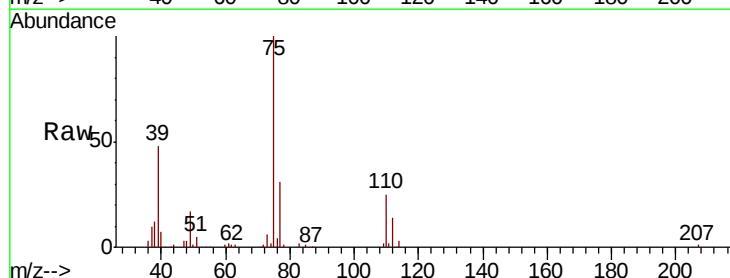
Instrument :
MSVOA_D
ClientSampleId :

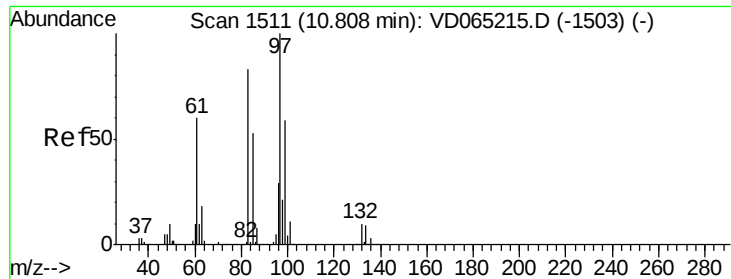
Tot Ion: 75 Resp: 133343
Ion Ratio Lower Upper
75 100
77 32.7 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 19.657 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 75 Resp: 156378
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8
39 47.6 37.3 55.9

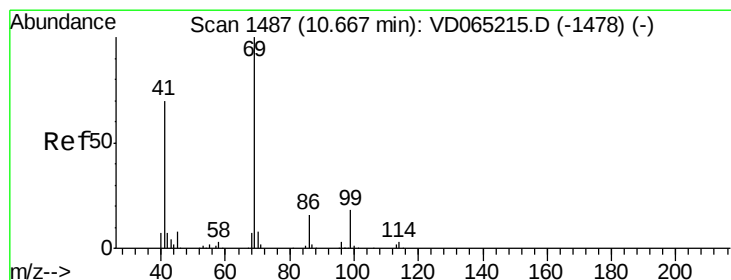
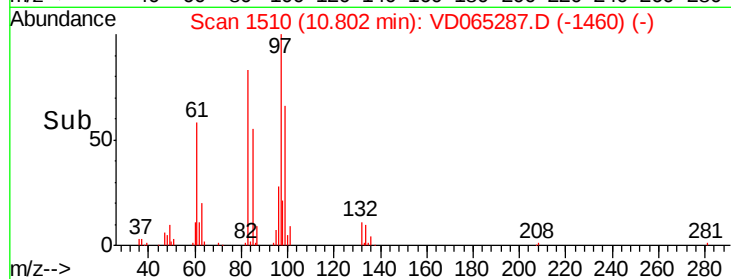
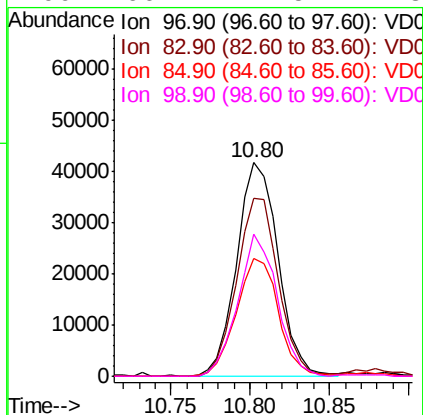
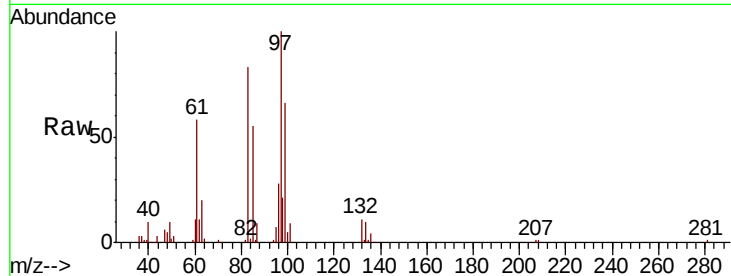




#55
 1,1,2-Trichloroethane
 Concen: 19.970 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

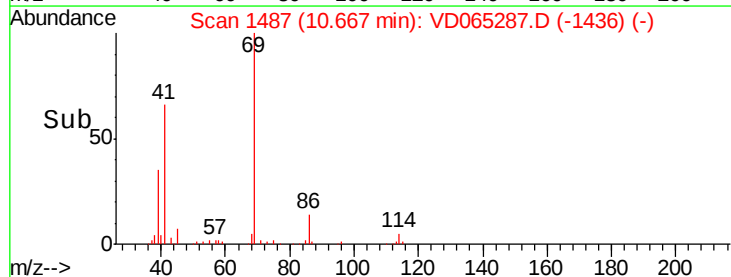
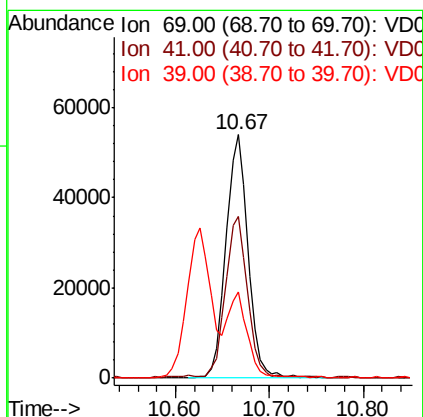
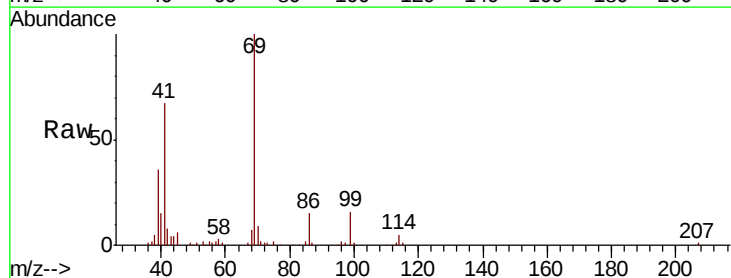
Instrument :
 MSVOA_D
 ClientSampleId :

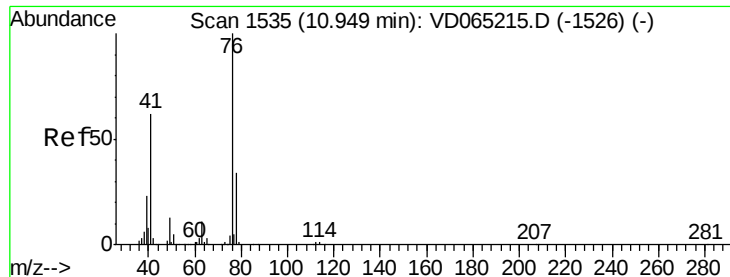
Tot Ion:	97	Resp:	75809
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.7	100.1
85	55.0	42.4	63.6
99	66.2	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 20.185 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion:	69	Resp:	88442
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.6	81.8
39	30.7	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.015 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

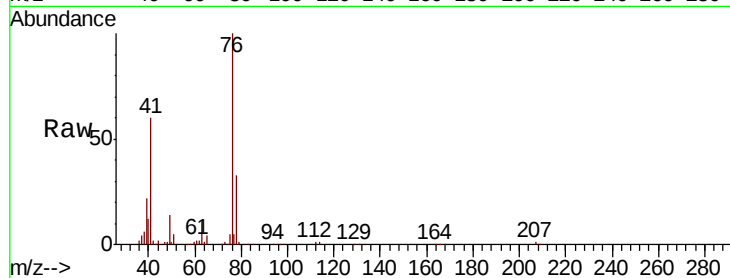
ClientSampleId :

Tot Ion: 76 Resp: 129311

Ion Ratio Lower Upper

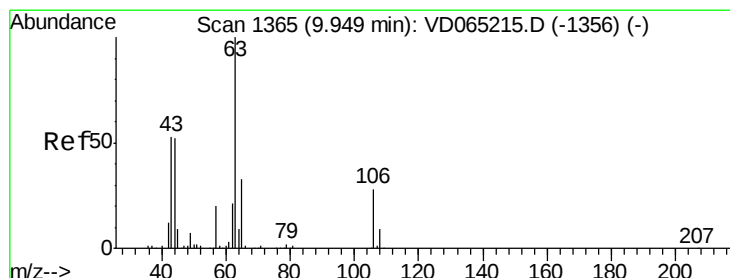
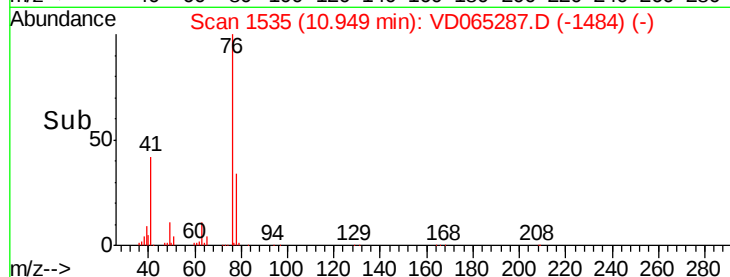
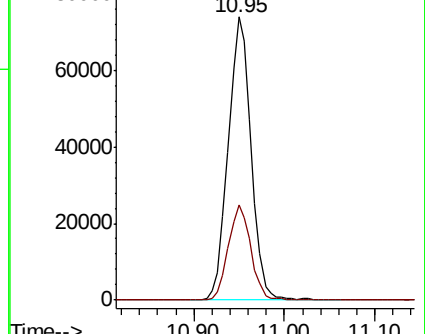
76 100

78 32.8 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.715 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065287.D

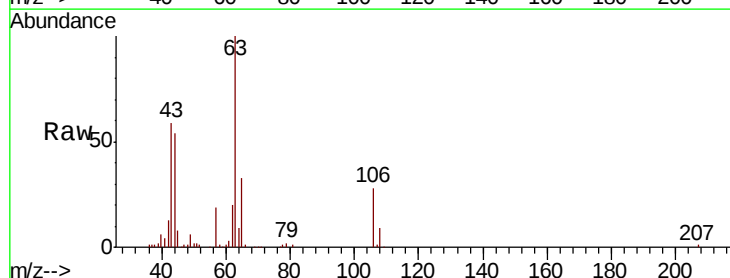
Acq: 24 Feb 2020 11:41

Tgt Ion: 63 Resp: 133599

Ion Ratio Lower Upper

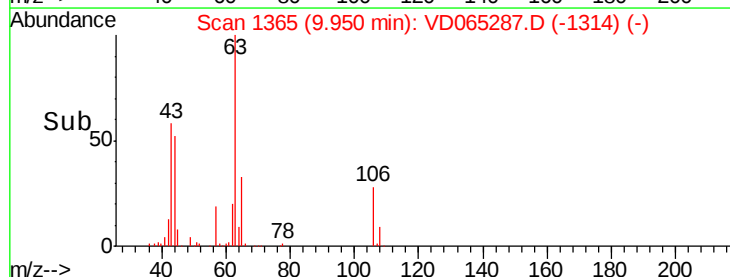
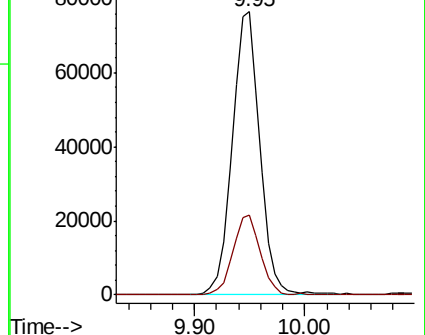
63 100

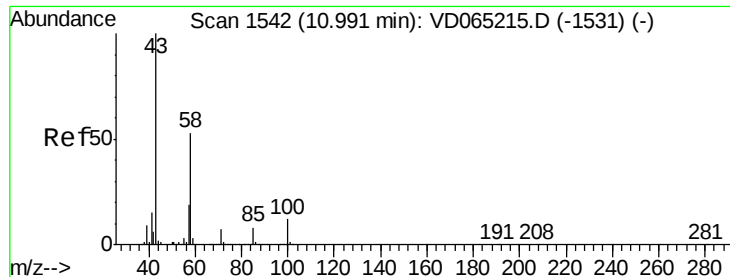
106 27.8 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

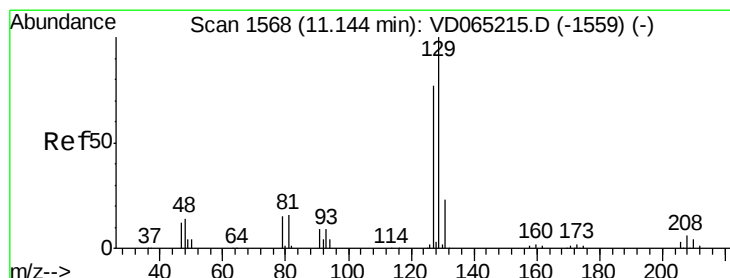
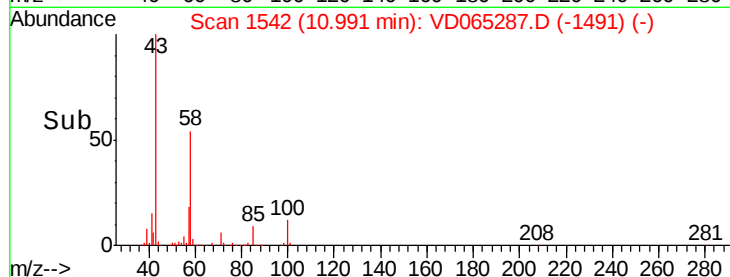
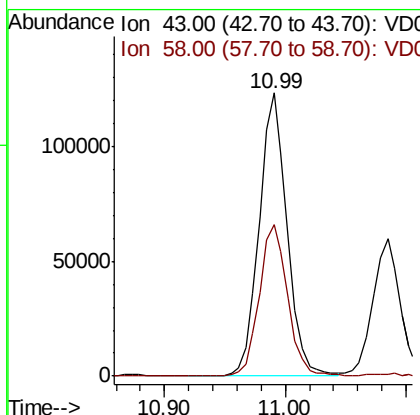
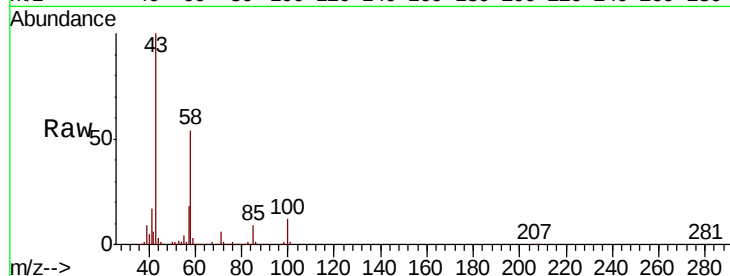




#59
2-Hexanone
Concen: 96.243 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

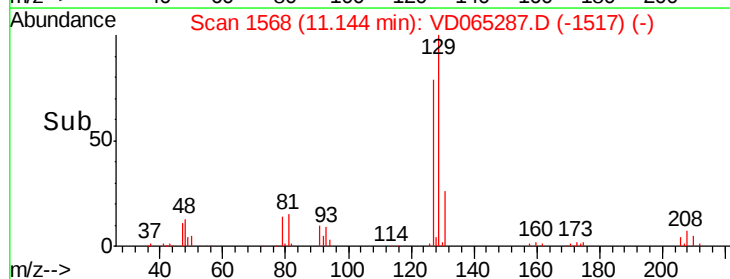
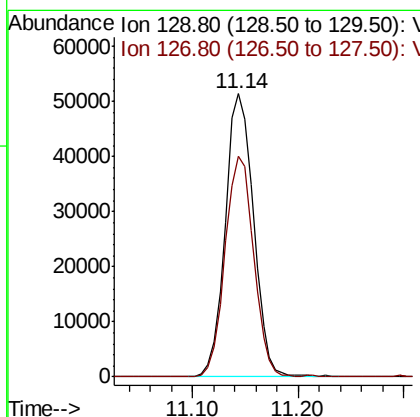
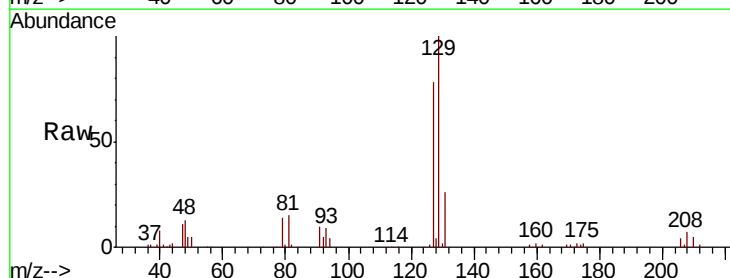
Instrument :
MSVOA_D
ClientSampleId :

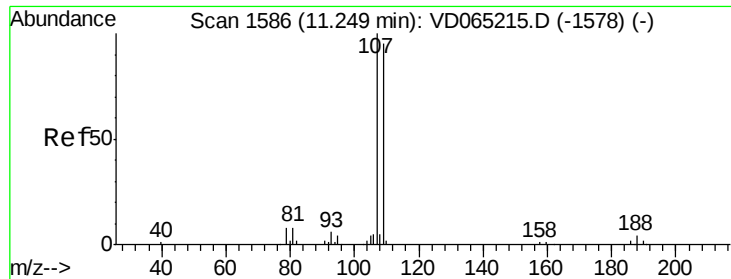
Tot Ion: 43 Resp: 198672
Ion Ratio Lower Upper
43 100
58 54.4 26.3 78.8



#60
Dibromochloromethane
Concen: 19.552 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 129 Resp: 94995
Ion Ratio Lower Upper
129 100
127 78.8 38.7 116.1

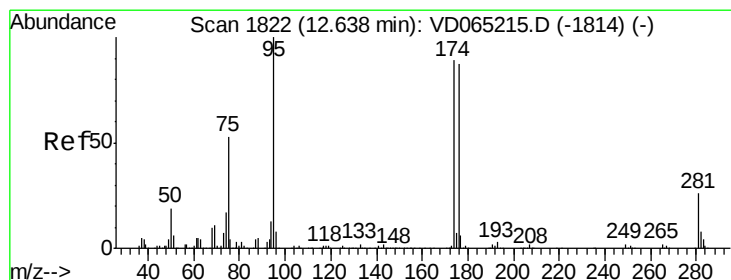
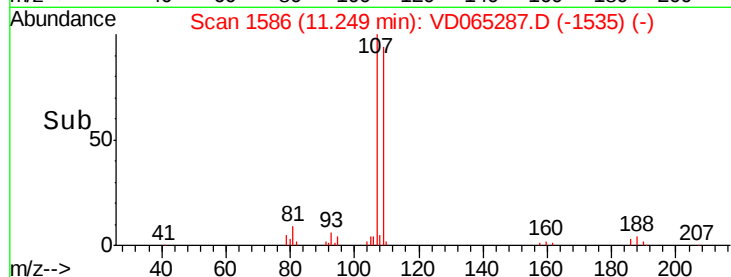
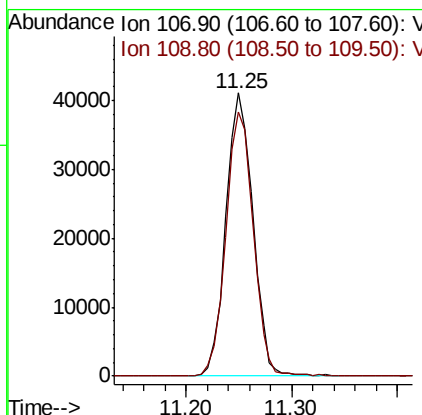
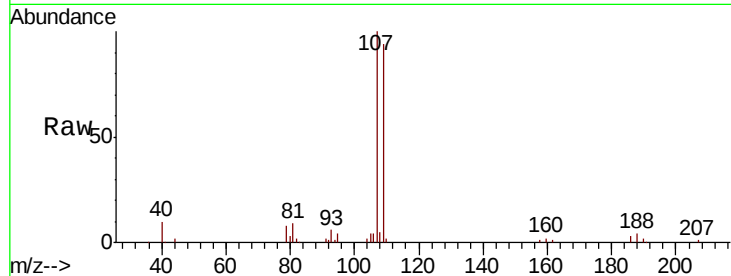




#61
 1,2-Dibromoethane
 Concen: 20.160 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

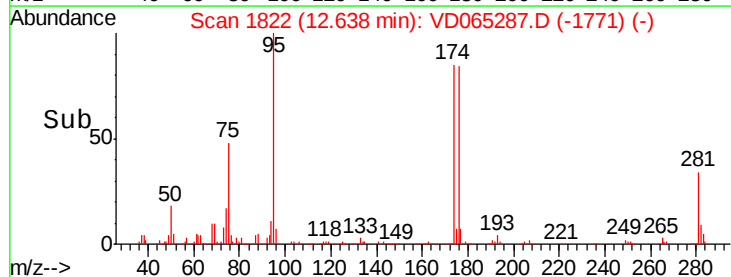
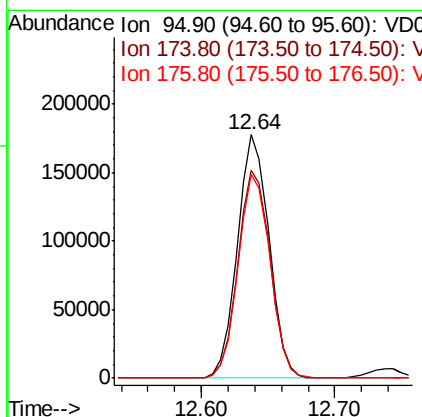
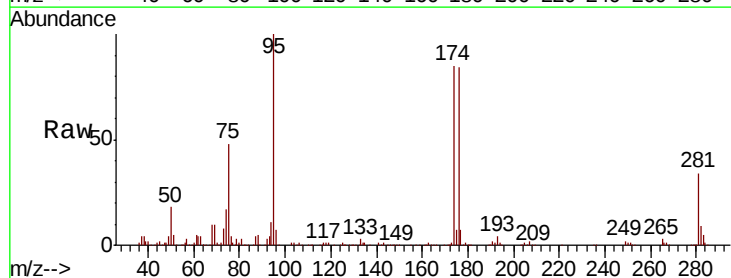
Instrument :
 MSVOA_D
 ClientSampleId :

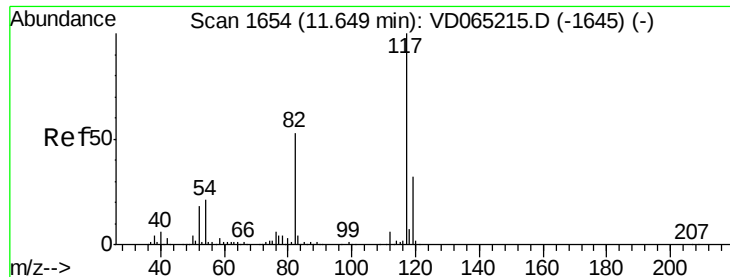
Tot Ion: 107 Resp: 72459
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 51.462 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion: 95 Resp: 291689
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 178.0
 176 84.5 0.0 174.4

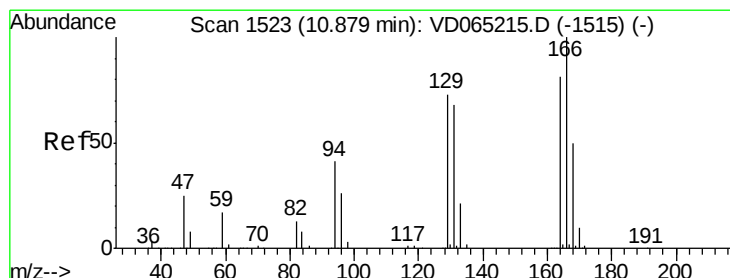
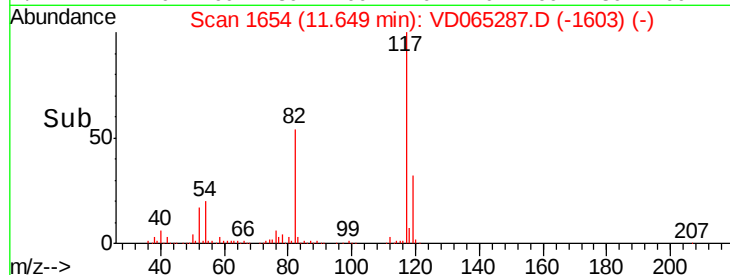
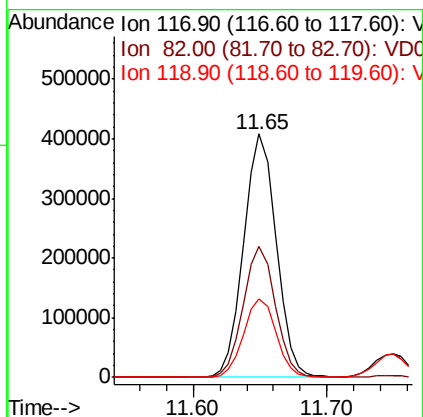
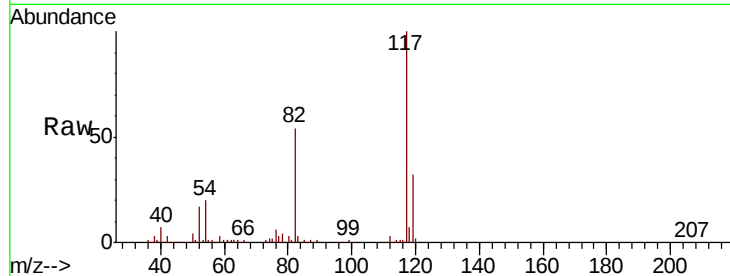




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

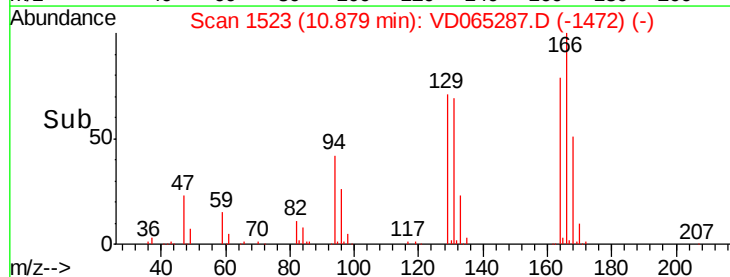
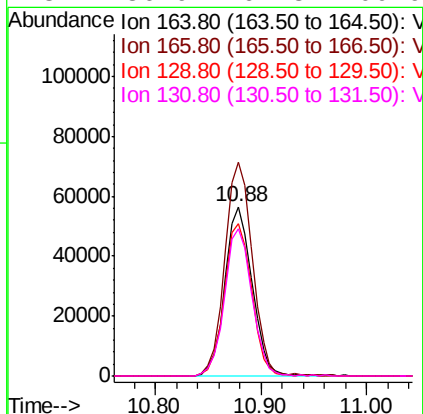
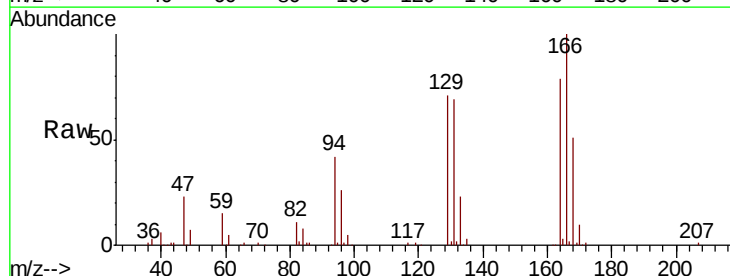
Instrument :
MSVOA_D
ClientSampled :

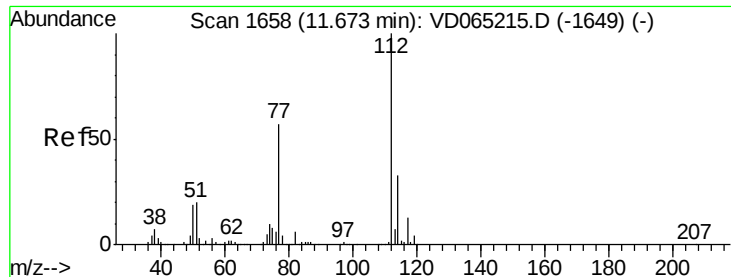
Tot Ion:117 Resp: 689702
Ion Ratio Lower Upper
117 100
82 53.7 42.7 64.1
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 20.581 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion:164 Resp: 100675
Ion Ratio Lower Upper
164 100
166 126.0 98.4 147.6
129 90.0 71.6 107.4
131 86.9 67.3 100.9

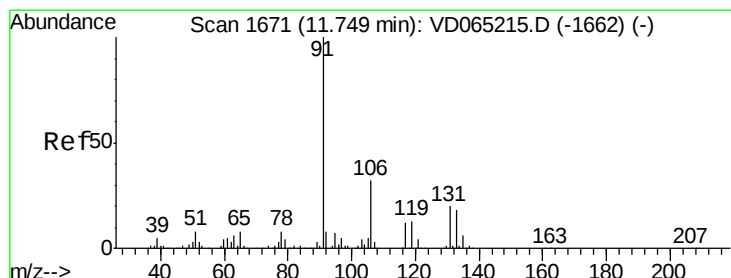
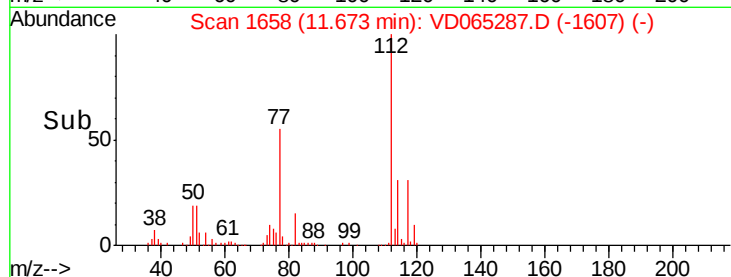
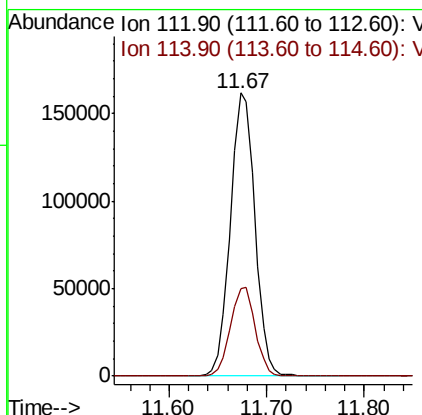
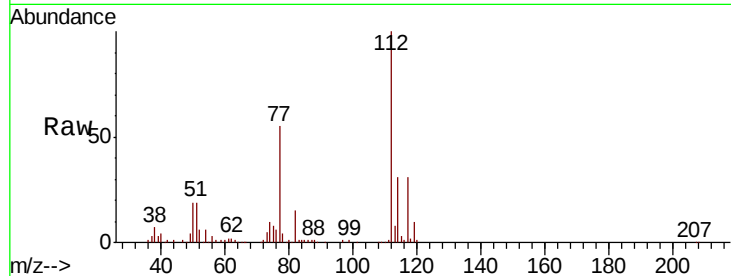




#65
Chlorobenzene
Concen: 20.456 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

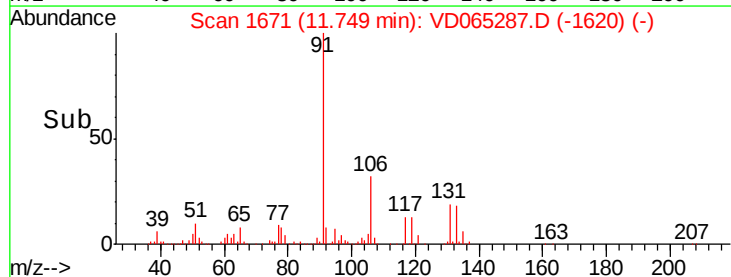
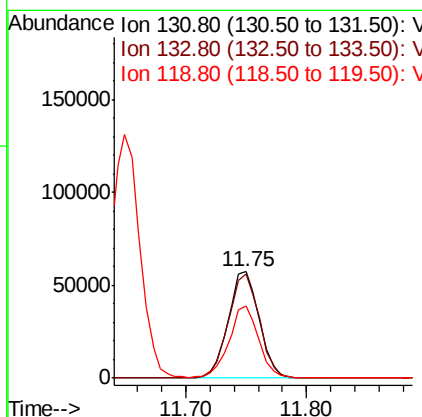
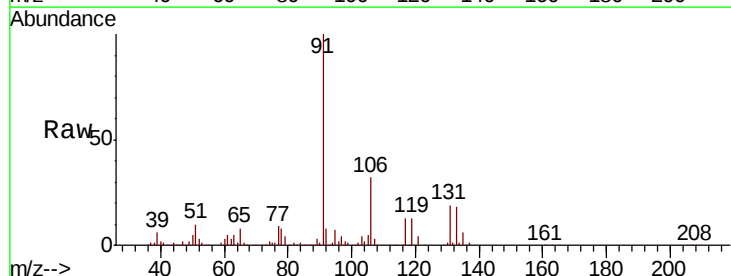
Instrument :
MSVOA_D
ClientSampleId :

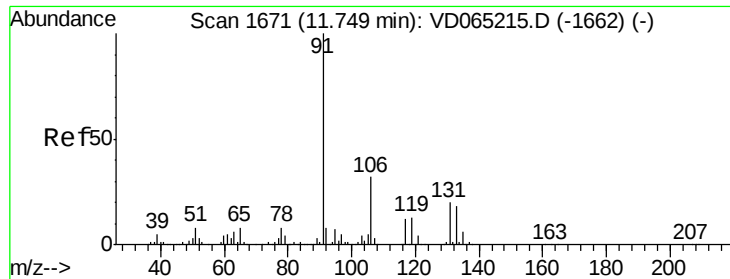
Tot Ion:112 Resp: 283119
Ion Ratio Lower Upper
112 100
114 30.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.812 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion:131 Resp: 102328
Ion Ratio Lower Upper
131 100
133 98.0 47.7 143.1
119 64.9 32.7 98.1





#67

Ethyl Benzene

Concen: 20.206 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

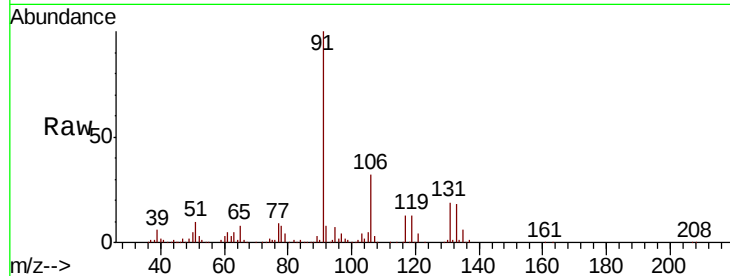
ClientSampleId :

Tot Ion: 91 Resp: 489793

Ion Ratio Lower Upper

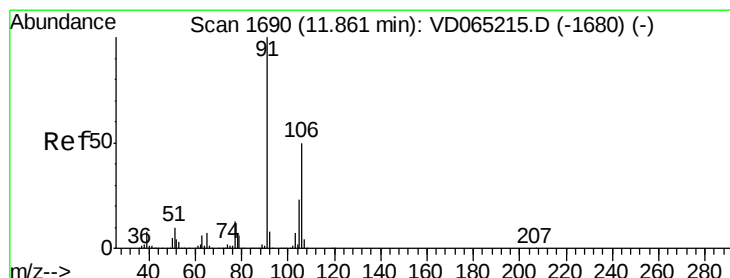
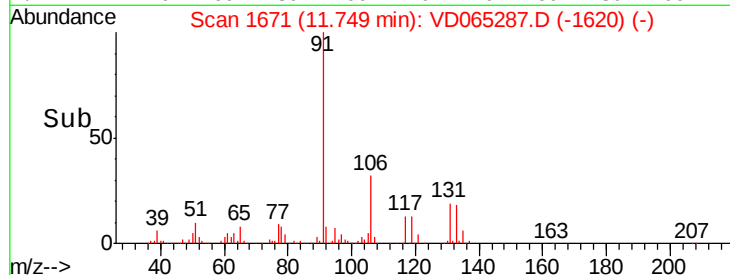
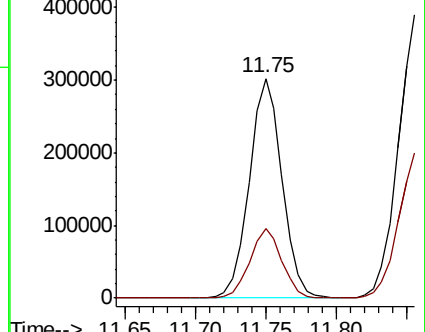
91 100

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



#68

m/p-Xylenes

Concen: 41.682 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065287.D

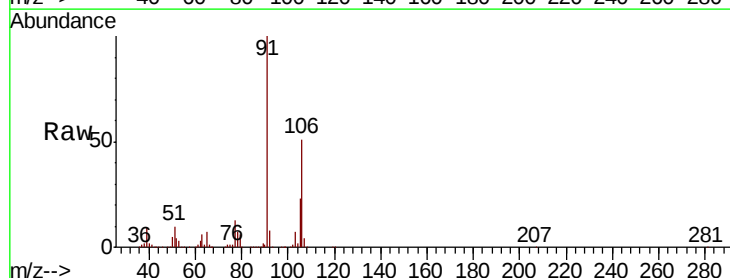
Acq: 24 Feb 2020 11:41

Tgt Ion: 106 Resp: 386566

Ion Ratio Lower Upper

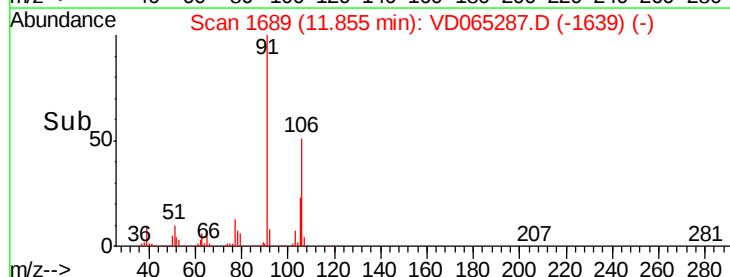
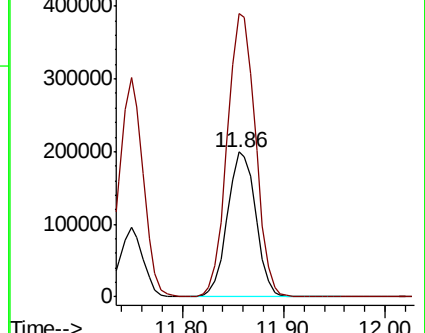
106 100

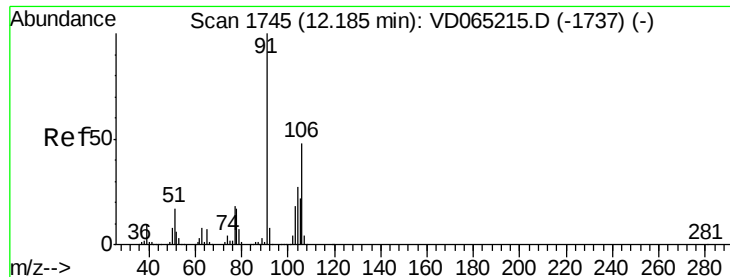
91 195.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

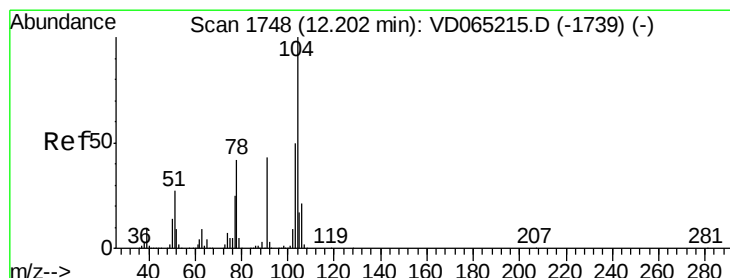
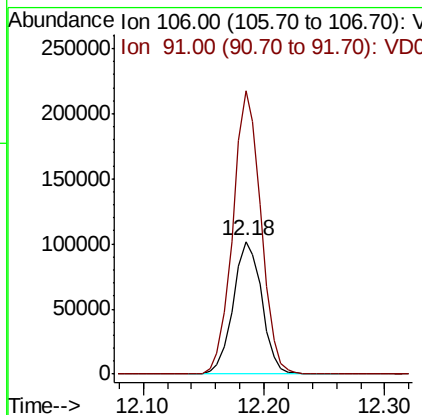
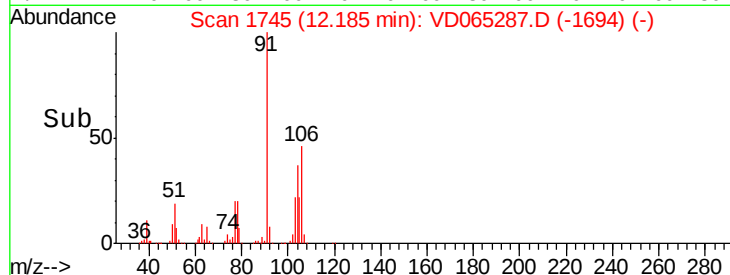
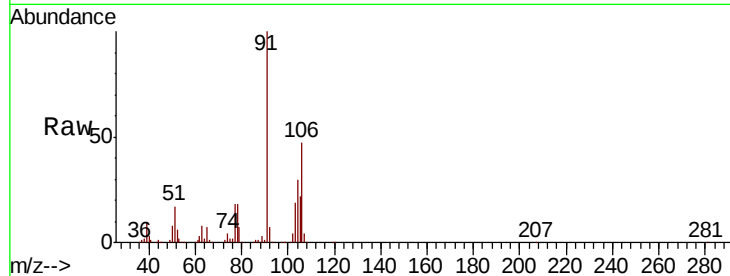




#69
o-Xylene
Concen: 20.507 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

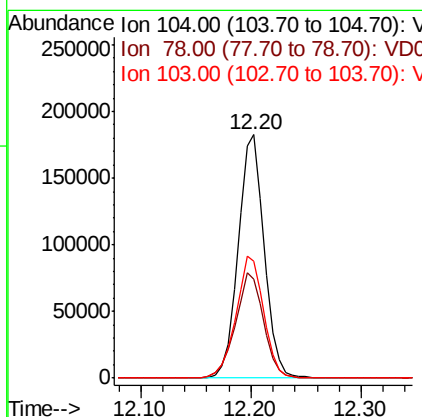
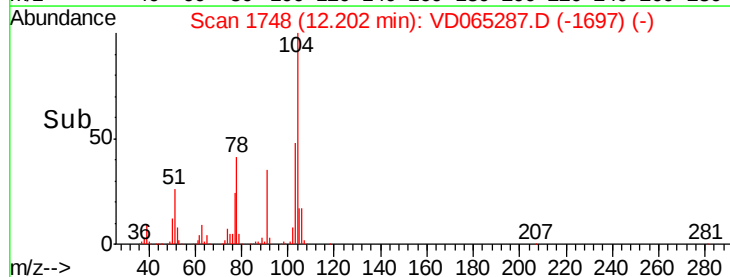
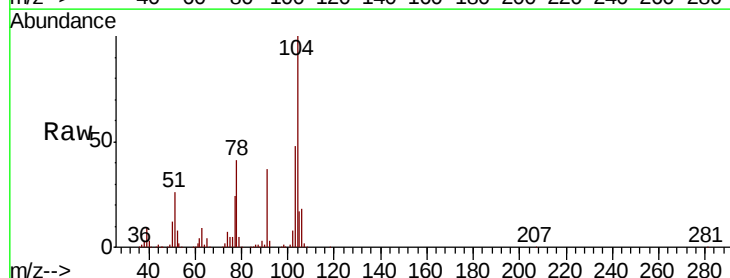
Instrument :
MSVOA_D
ClientSampleId :

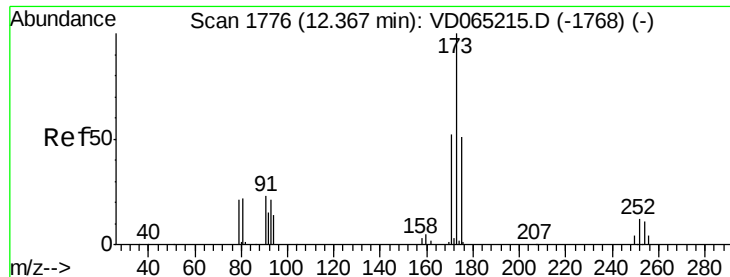
Tot Ion:106 Resp: 168496
Ion Ratio Lower Upper
106 100
91 209.6 104.7 313.9



#70
Styrene
Concen: 20.674 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion:104 Resp: 301588
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 53.4 43.4 65.2





#71

Bromoform

Concen: 20.389 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

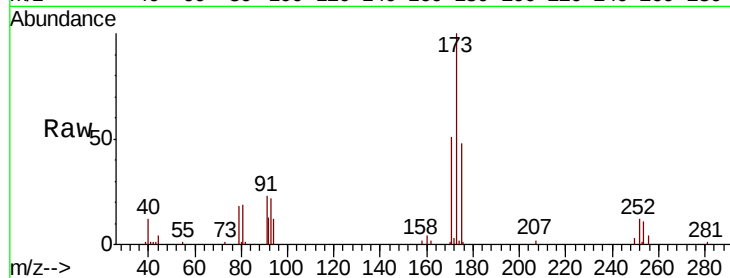
Tot Ion:173 Resp: 58435

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.4

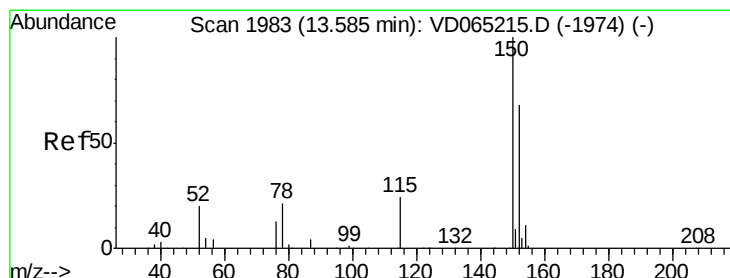
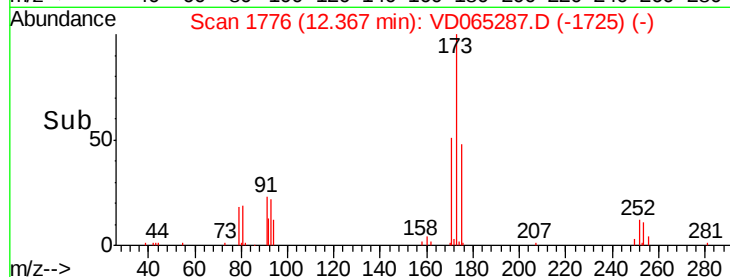
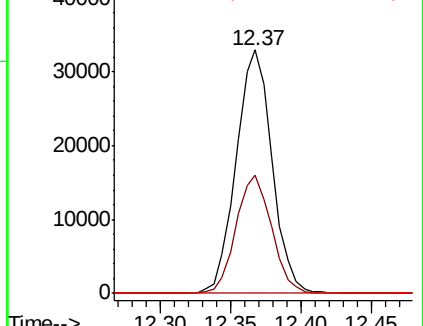
254 0.0 0.0 0.0



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: VD065287.D

Acq: 24 Feb 2020 11:41

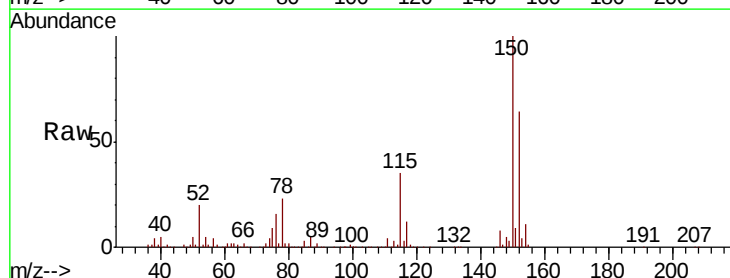
Tgt Ion:152 Resp: 337945

Ion Ratio Lower Upper

152 100

115 55.3 27.6 82.8

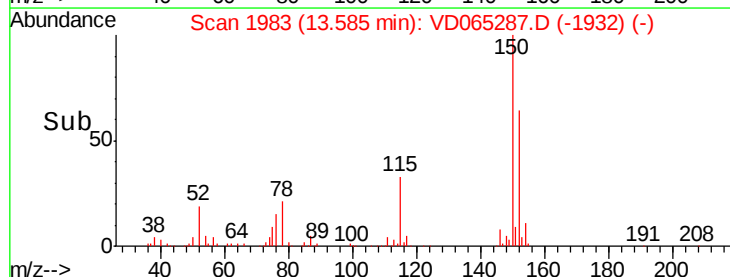
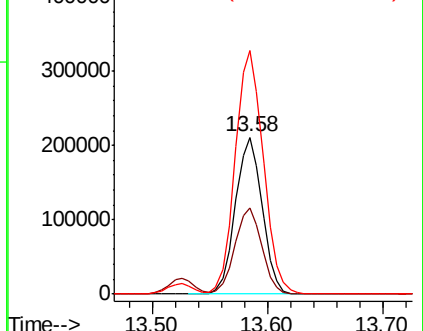
150 163.3 0.0 347.4

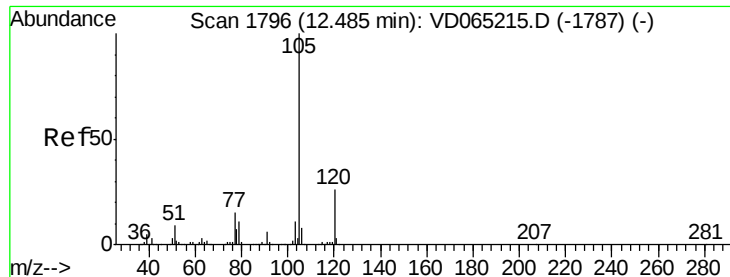


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.912 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

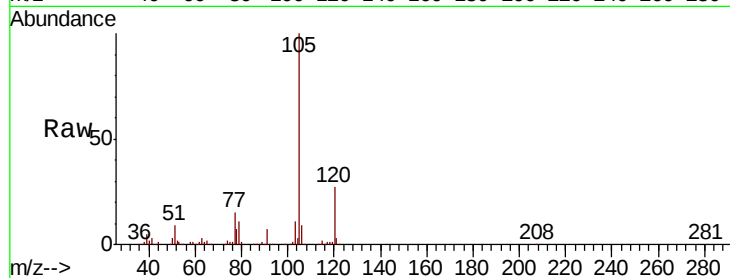
ClientSampleId :

Tot Ion:105 Resp: 467867

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

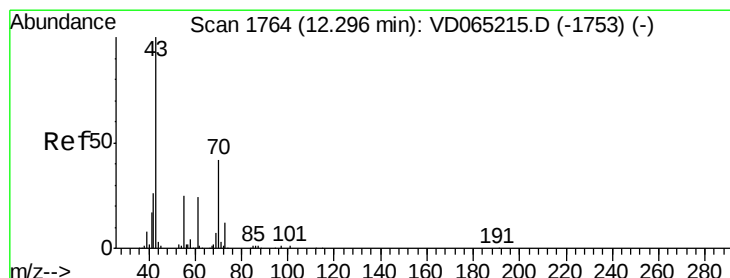
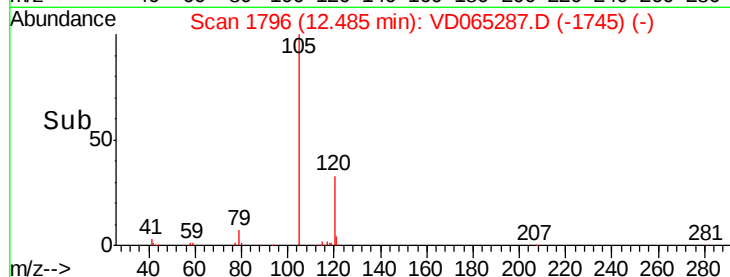
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.509 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Tgt Ion: 43 Resp: 96989

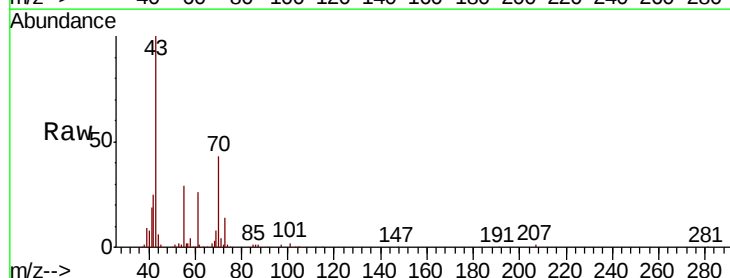
Ion Ratio Lower Upper

43 100

70 42.9 33.7 50.5

55 29.1 20.7 31.1

61 24.8 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

12.30

80000

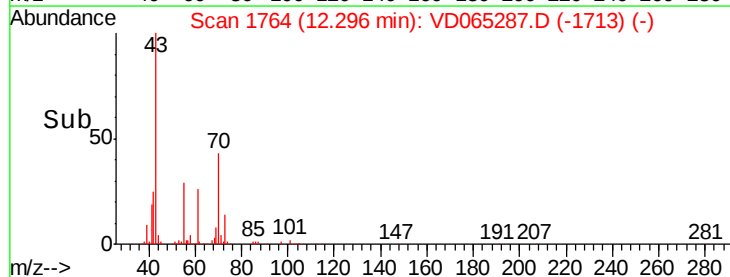
60000

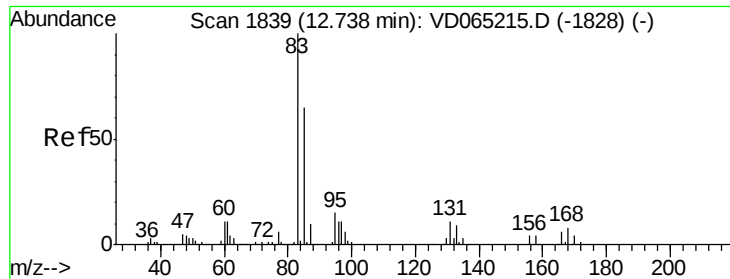
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.817 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

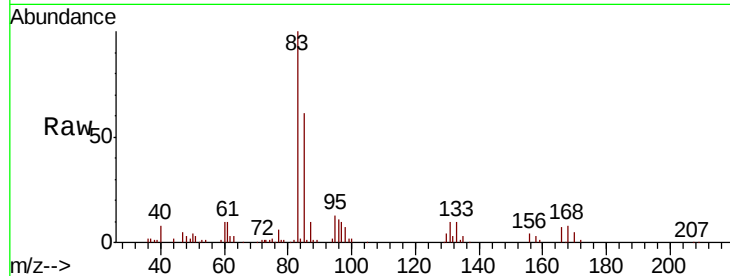
Tot Ion: 83 Resp: 84059

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

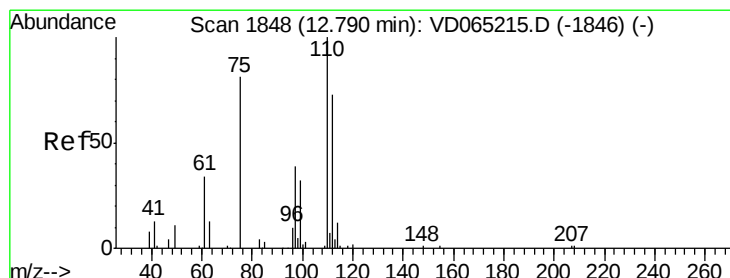
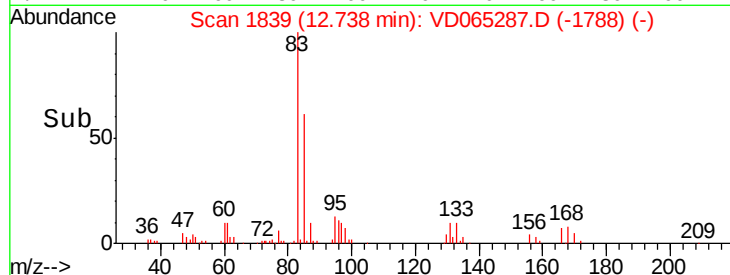
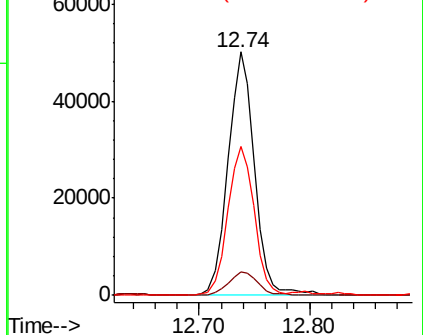
85 61.2 31.6 94.8



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: 36.450 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065287.D

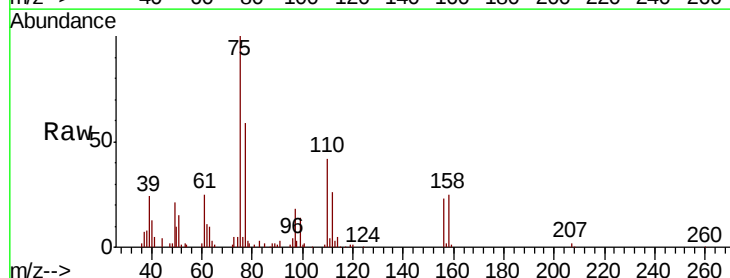
Acq: 24 Feb 2020 11:41

Tgt Ion: 75 Resp: 104805

Ion Ratio Lower Upper

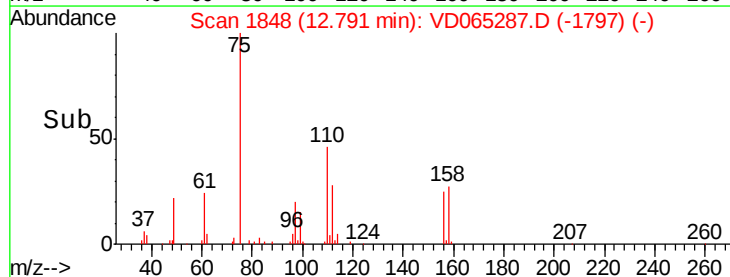
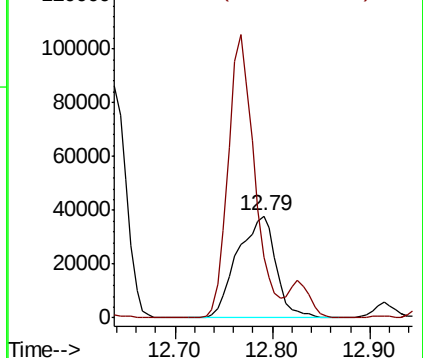
75 100

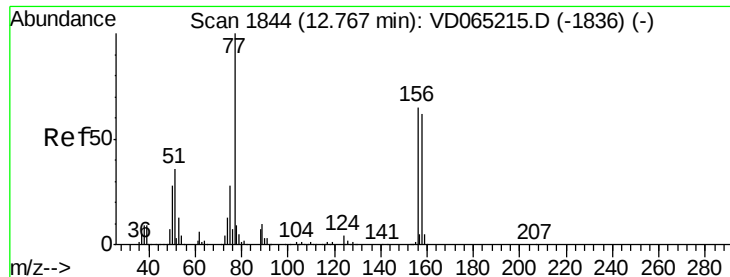
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.662 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampled :

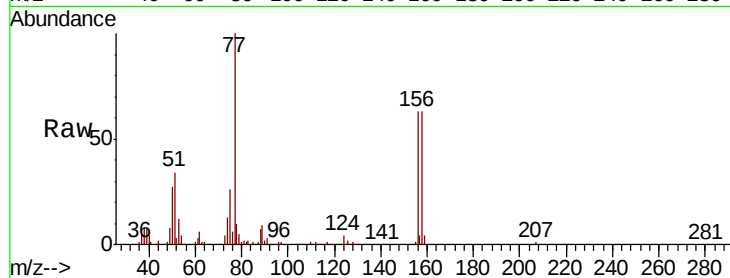
Tot Ion:156 Resp: 114795

Ion Ratio Lower Upper

156 100

77 172.8 86.6 259.7

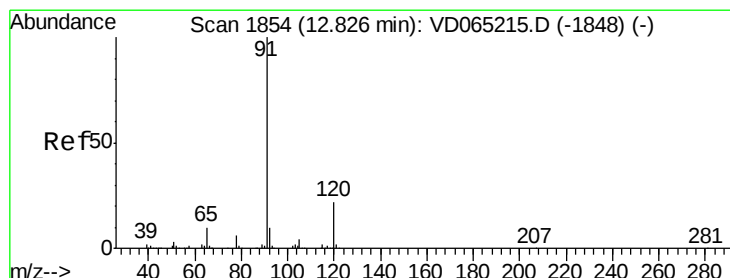
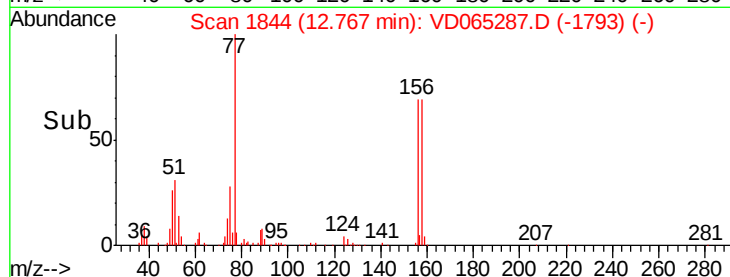
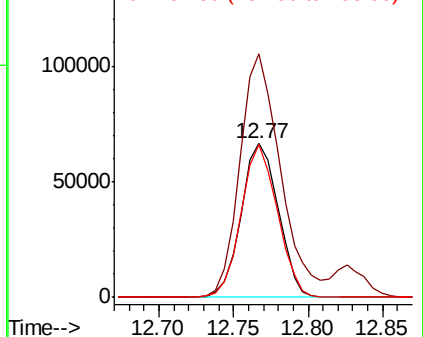
158 96.5 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.759 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065287.D

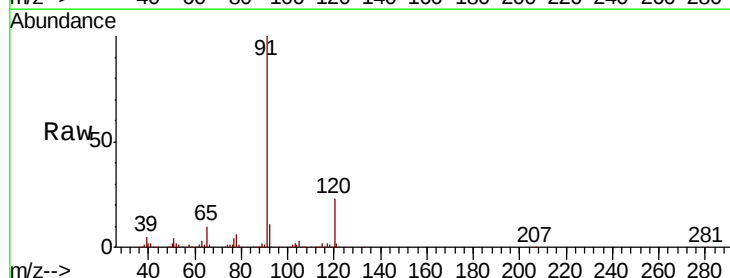
Acq: 24 Feb 2020 11:41

Tgt Ion: 91 Resp: 558151

Ion Ratio Lower Upper

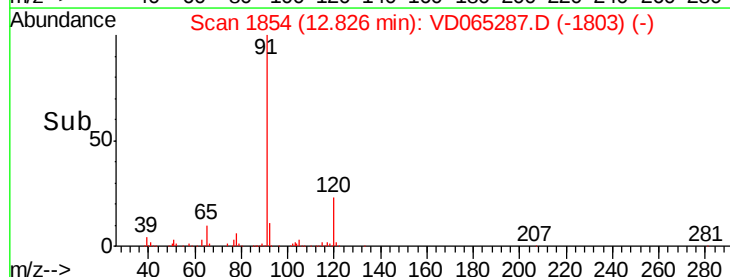
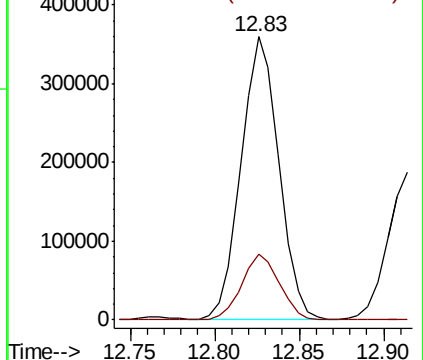
91 100

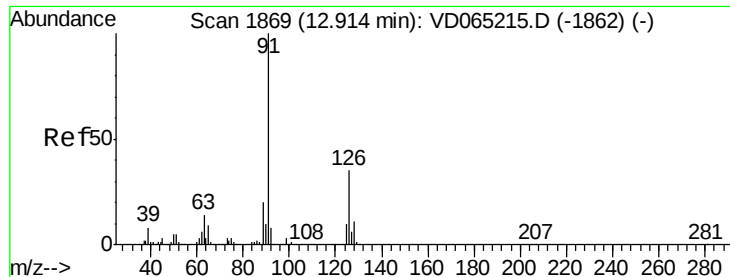
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

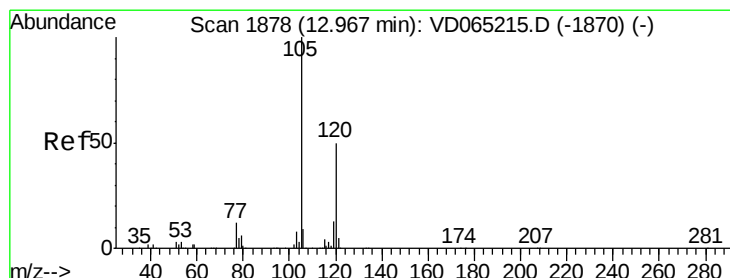
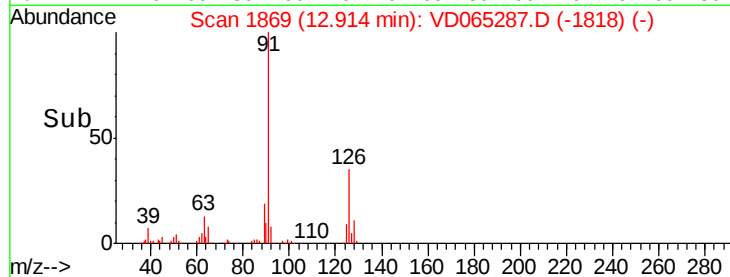
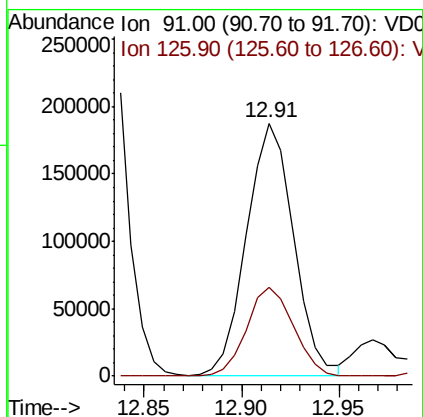
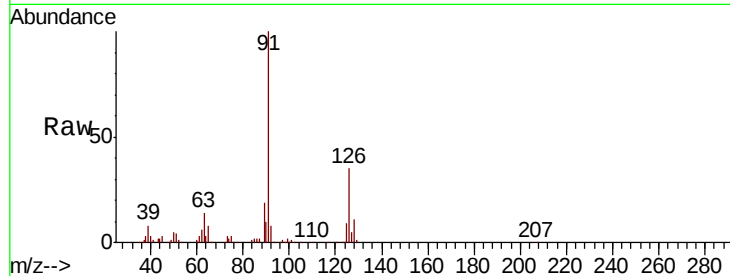




#79
 2-Chlorotoluene
 Concen: 20.718 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

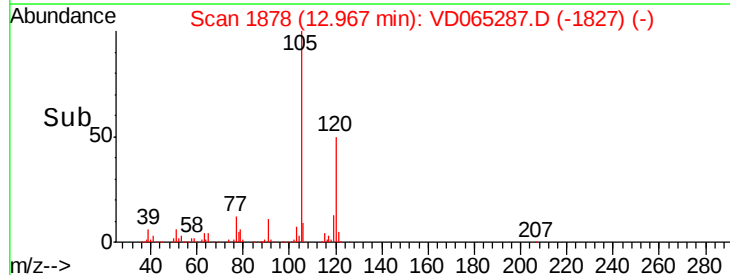
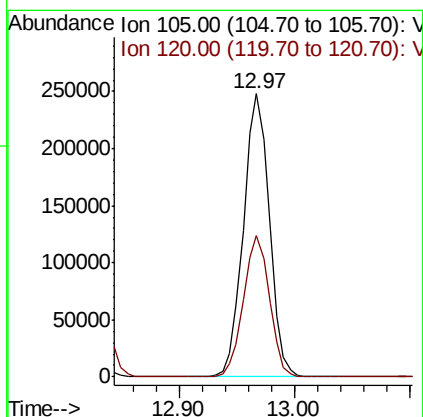
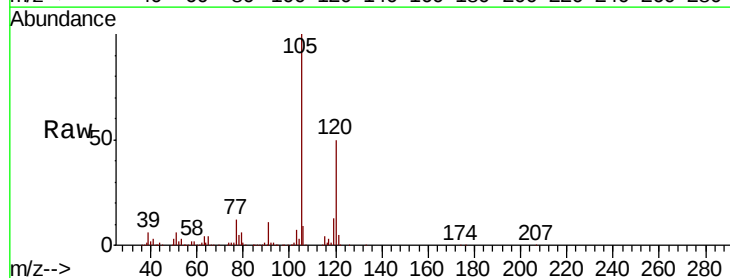
Instrument :
 MSVOA_D
 ClientSampleID :

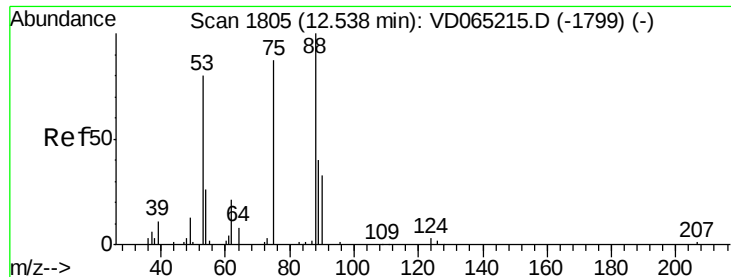
Tot Ion: 91 Resp: 312064
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.986 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion: 105 Resp: 386713
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.131 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampled :

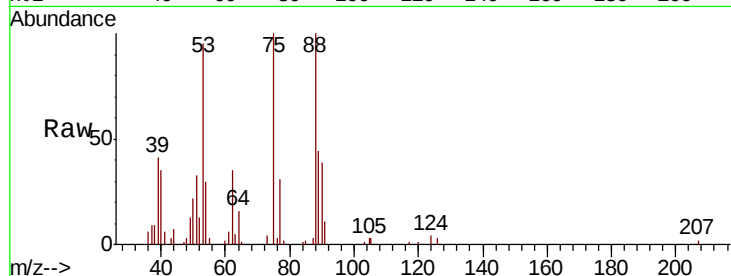
Tot Ion: 75 Resp: 26808

Ion Ratio Lower Upper

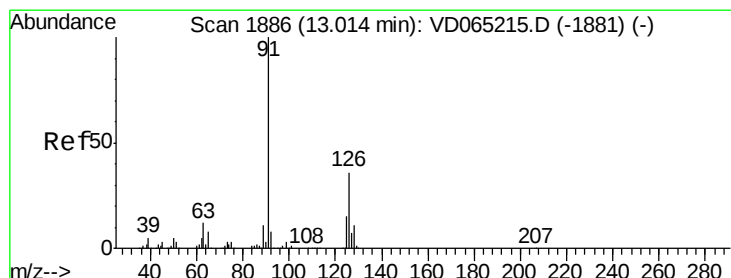
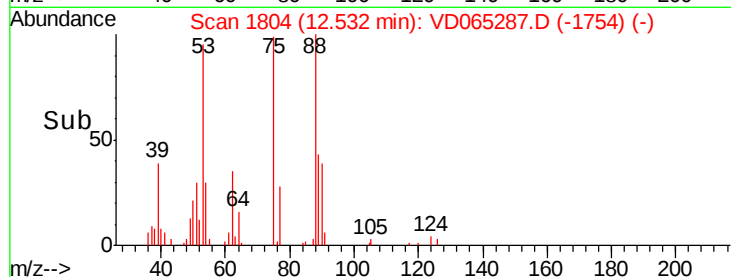
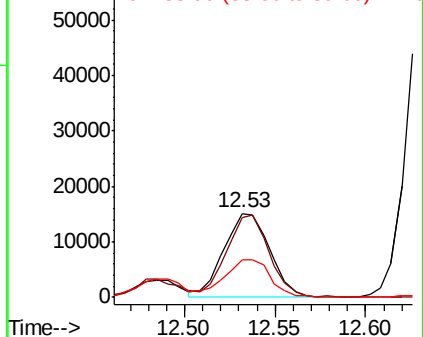
75 100

53 89.0 77.6 116.4

89 43.8 37.2 55.8



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



#82

4-Chlorotoluene

Concen: 20.586 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065287.D

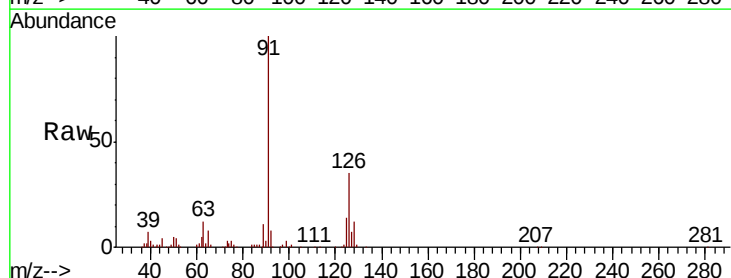
Acq: 24 Feb 2020 11:41

Tgt Ion: 91 Resp: 329183

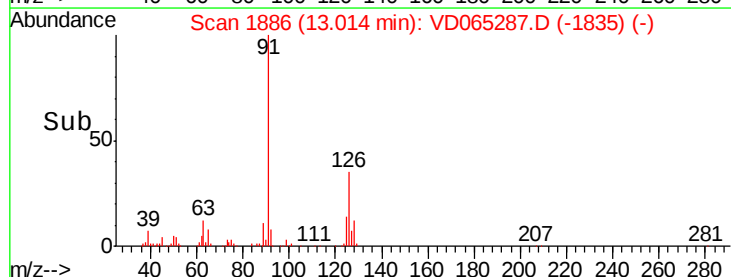
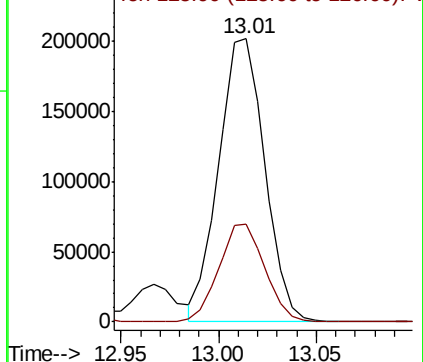
Ion Ratio Lower Upper

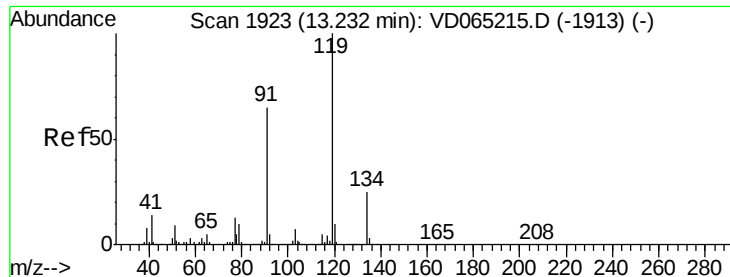
91 100

126 34.7 17.4 52.3



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





#83

tert-Butylbenzene

Concen: 20.455 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampled :

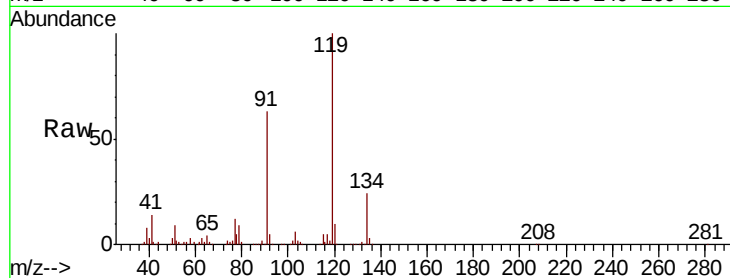
Tot Ion:119 Resp: 315914

Ion Ratio Lower Upper

119 100

91 64.1 31.9 95.5

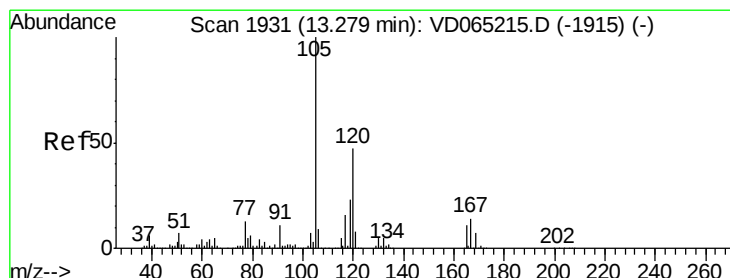
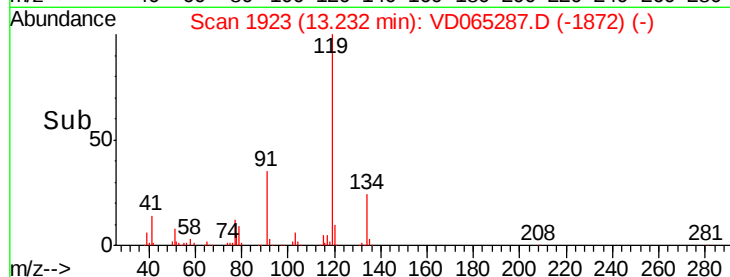
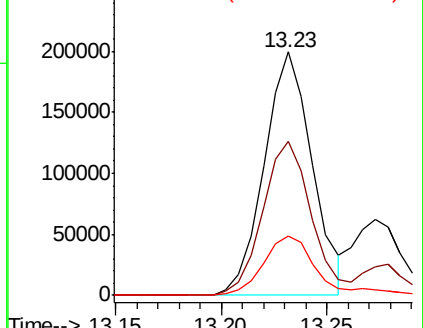
134 27.5 13.8 41.3



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: 20.762 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD065287.D

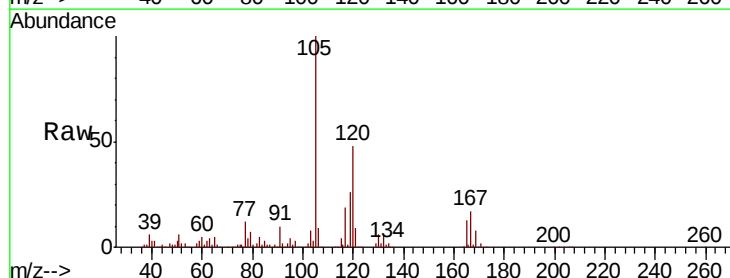
Acq: 24 Feb 2020 11:41

Tgt Ion:105 Resp: 382952

Ion Ratio Lower Upper

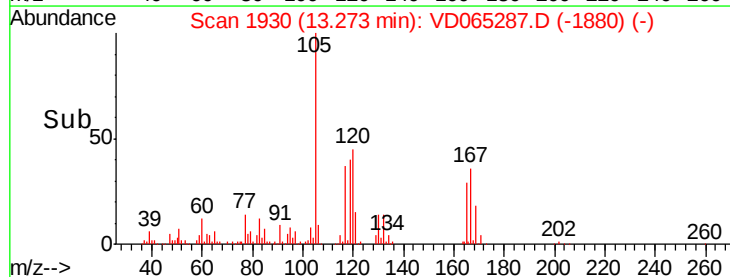
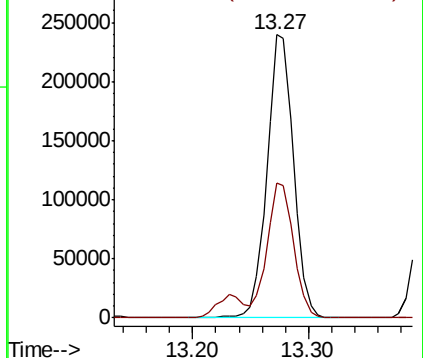
105 100

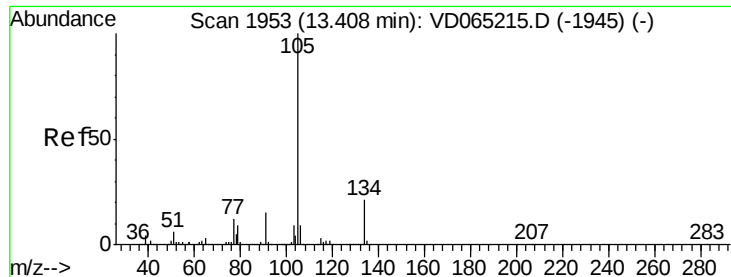
120 47.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.700 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

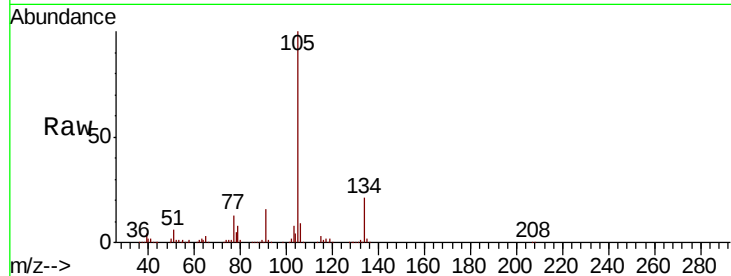
ClientSampleId :

Tot Ion:105 Resp: 460680

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

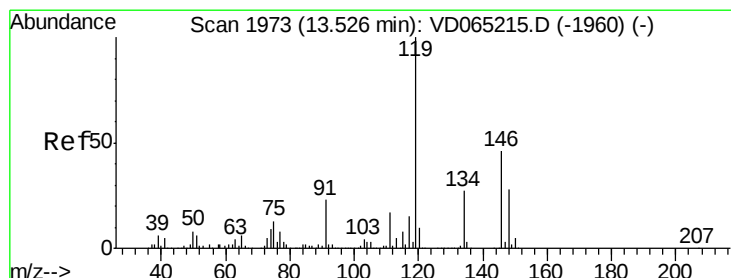
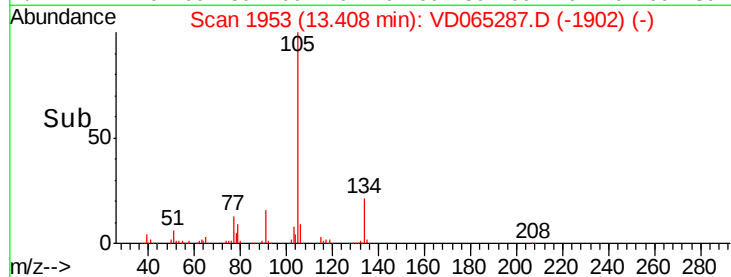
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 20.730 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

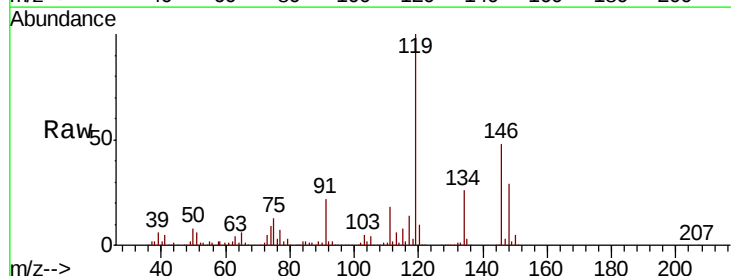
Tgt Ion:119 Resp: 421891

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.1 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

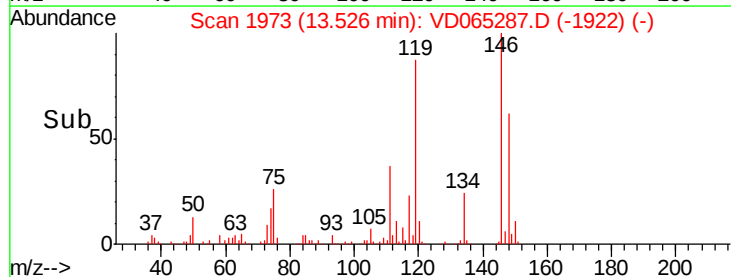
300000

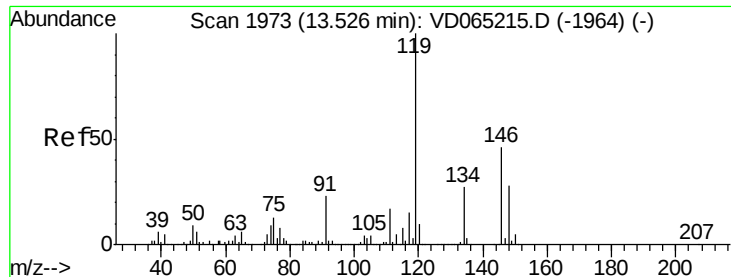
200000

100000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 20.274 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

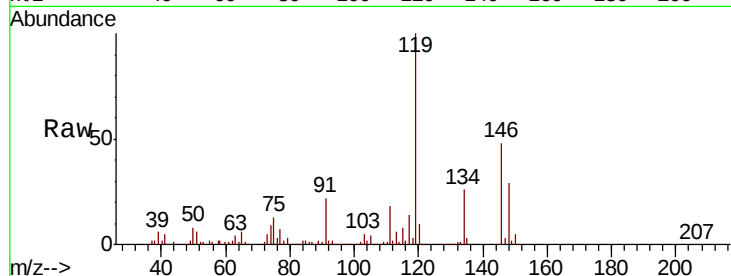
Tot Ion:146 Resp: 217751

Ion Ratio Lower Upper

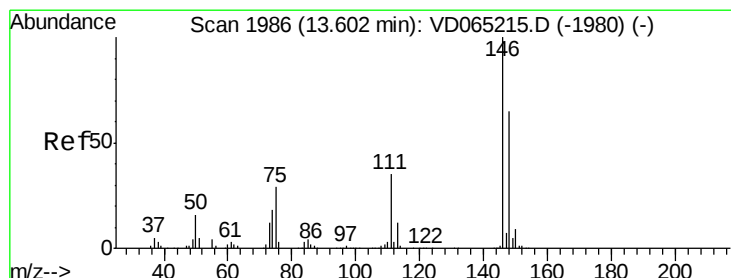
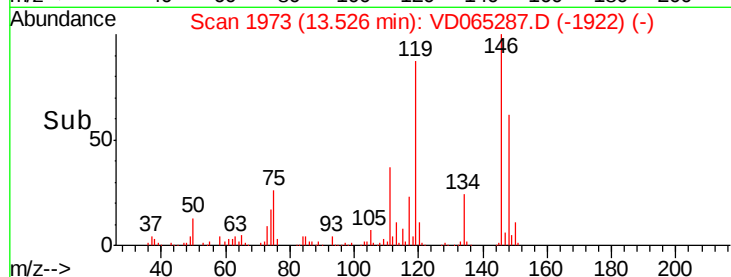
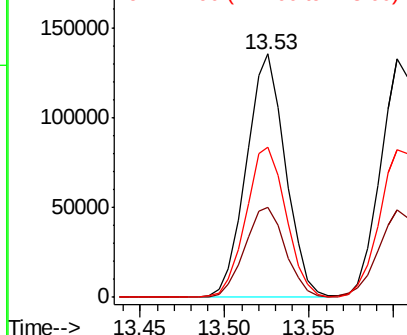
146 100

111 38.4 18.6 55.8

148 63.8 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 20.169 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

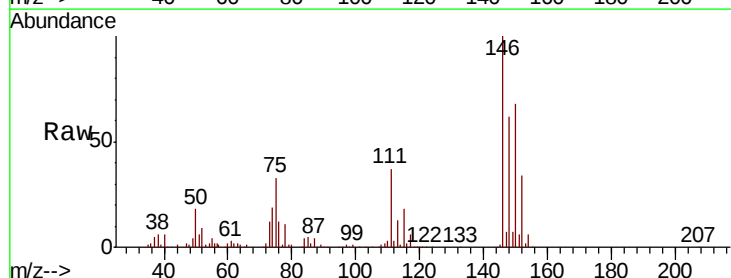
Tgt Ion:146 Resp: 213799

Ion Ratio Lower Upper

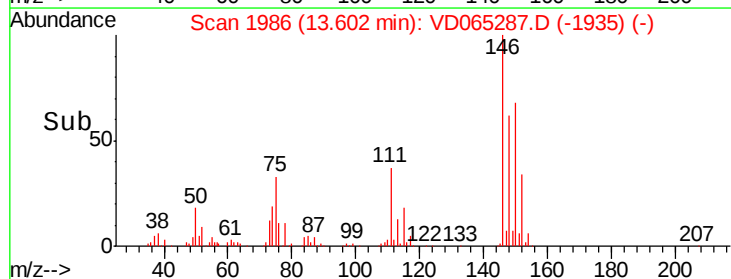
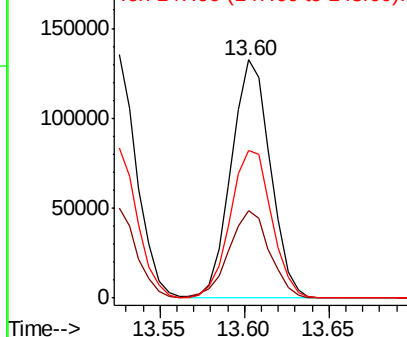
146 100

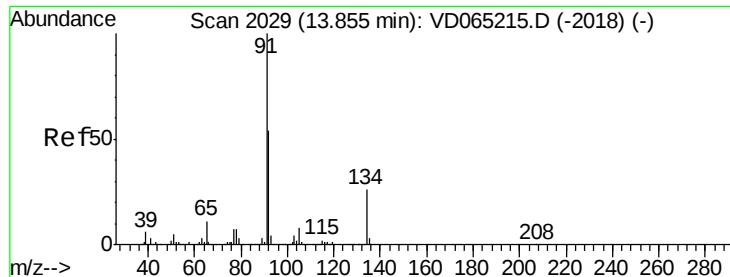
111 38.2 18.4 55.2

148 65.0 32.1 96.5



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

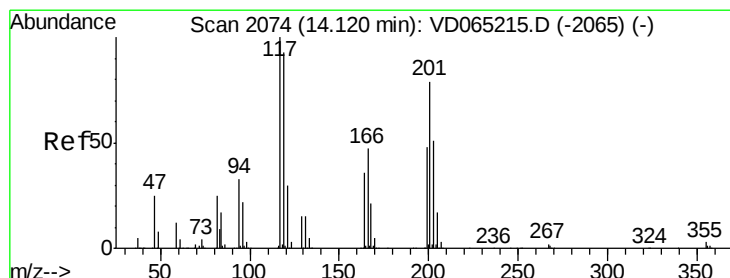
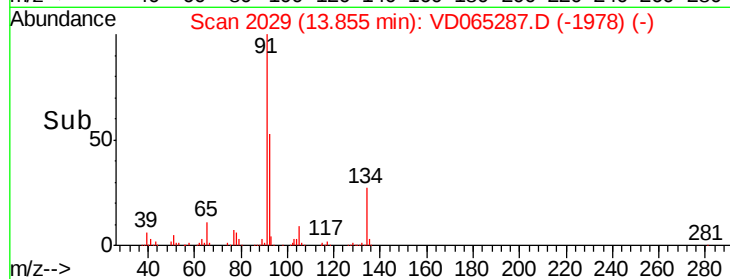
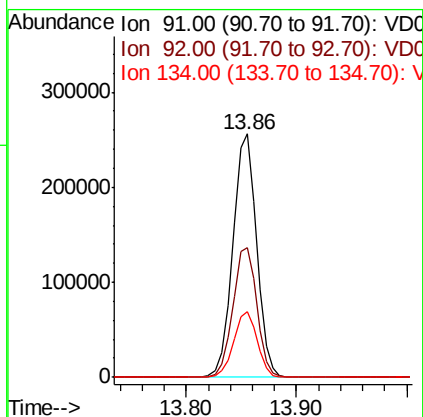
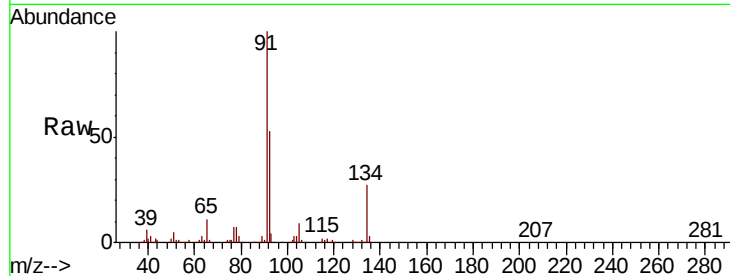




#89
n-Butylbenzene
Concen: 20.650 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

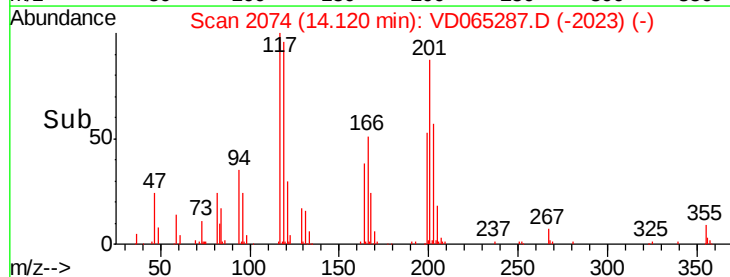
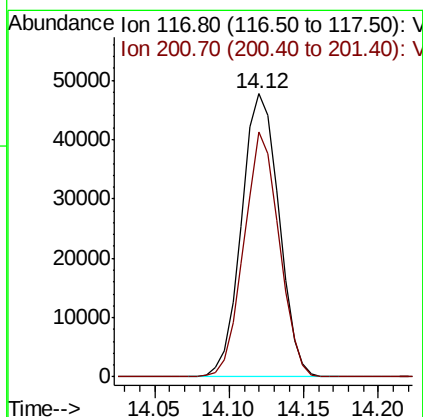
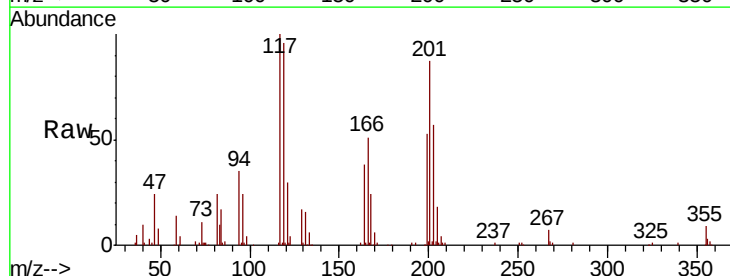
Instrument :
MSVOA_D
ClientSampleId :

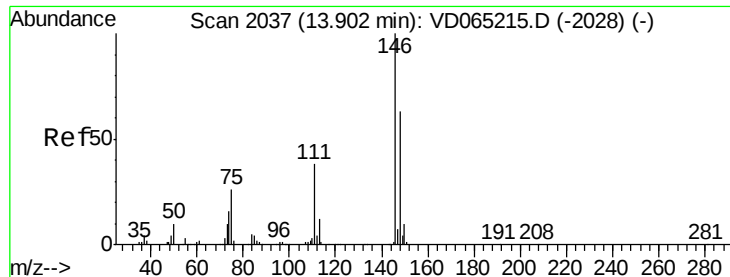
Tot Ion: 91 Resp: 387268
Ion Ratio Lower Upper
91 100
92 53.8 27.0 80.8
134 26.6 13.5 40.4



#90
Hexachloroethane
Concen: 20.075 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065287.D
Acq: 24 Feb 2020 11:41

Tgt Ion: 117 Resp: 82959
Ion Ratio Lower Upper
117 100
201 81.1 41.3 124.1

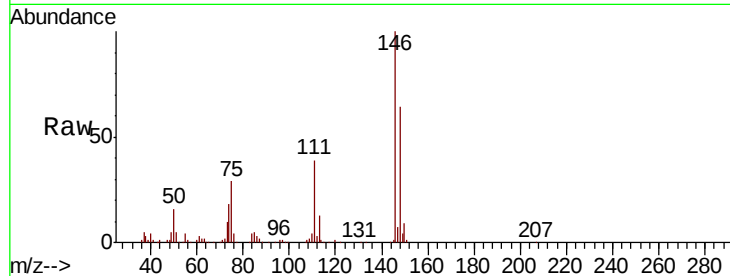




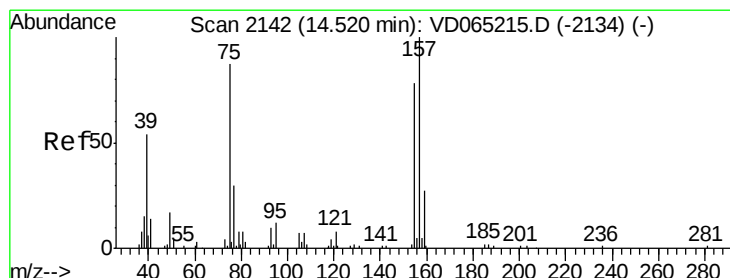
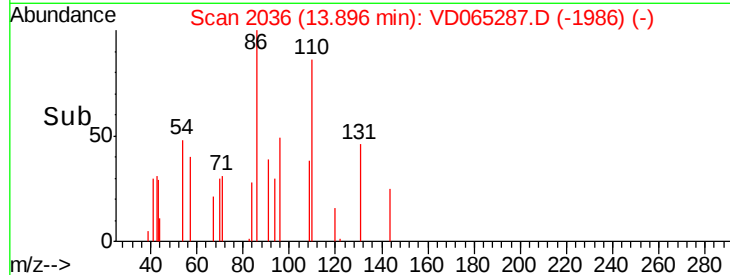
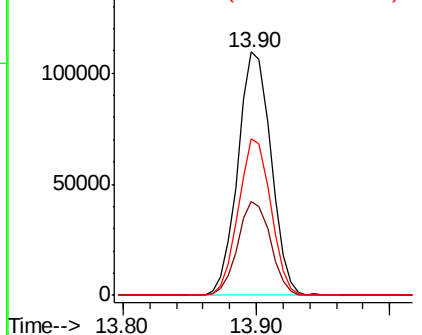
#91
 1,2-Dichlorobenzene
 Concen: 20.454 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	63.0	32.0	96.2

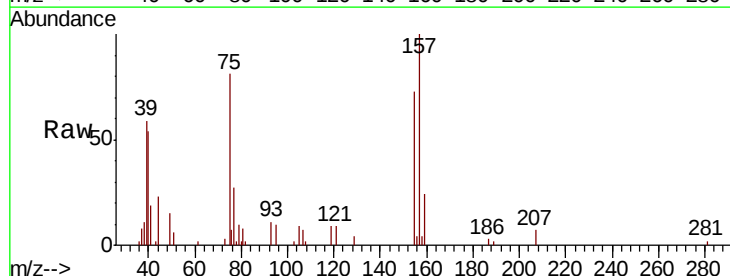


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

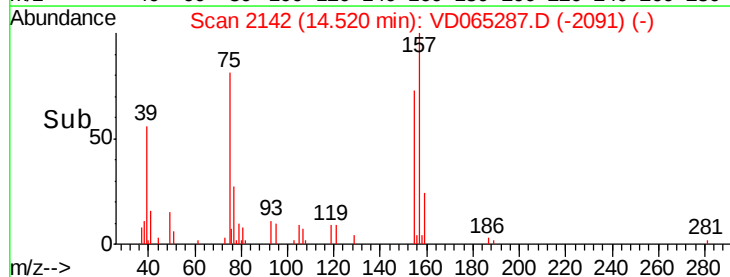
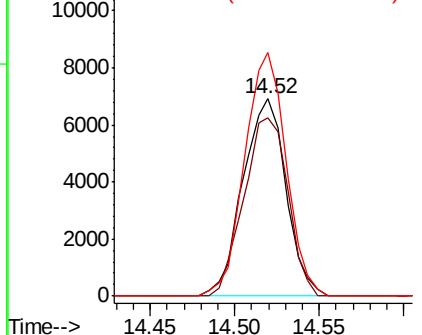


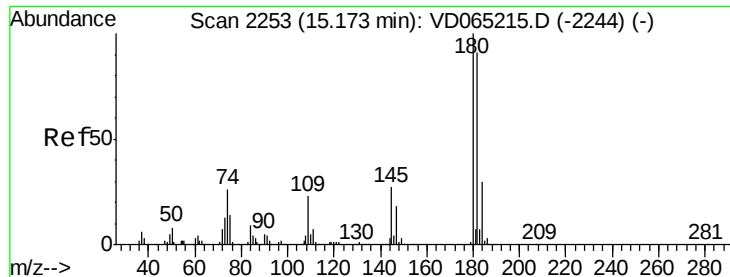
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.683 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	42.3	126.9
157	118.8	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

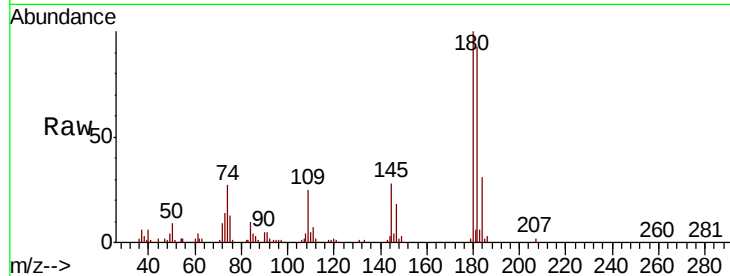




#93
 1,2,4-Trichlorobenzene
 Concen: 20.638 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.6
145	29.6	13.9	41.7

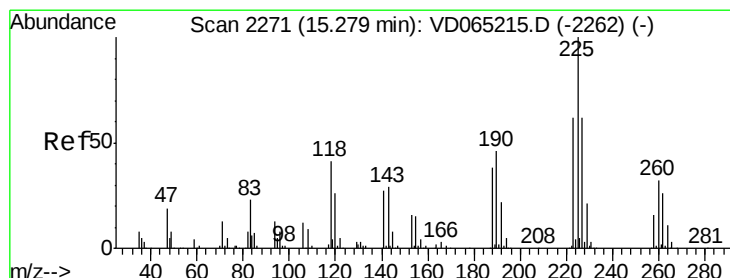
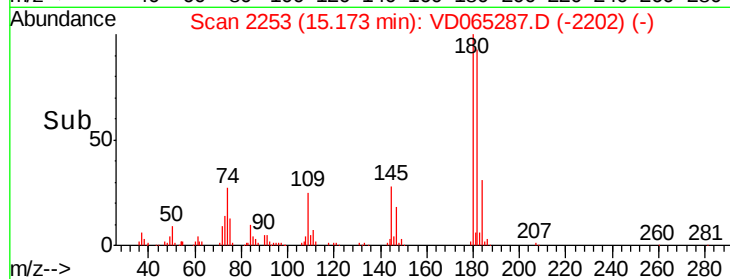
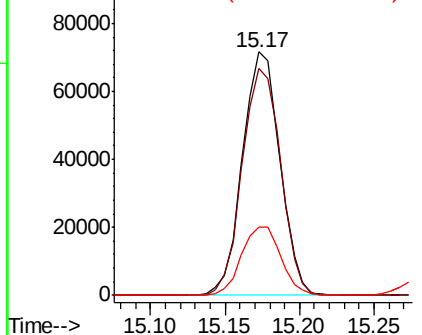


Abundance

Ion 179.80 (179.50 to 180.50): V

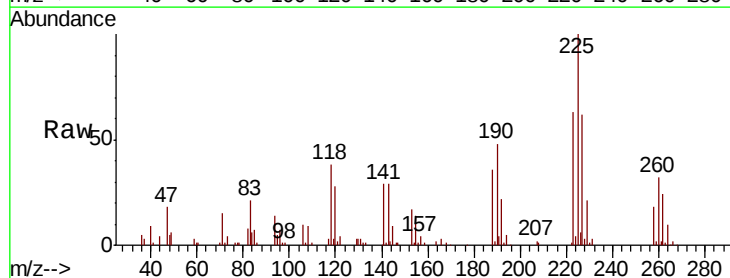
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.325 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065287.D
 Acq: 24 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.2
227	64.2	31.7	95.1

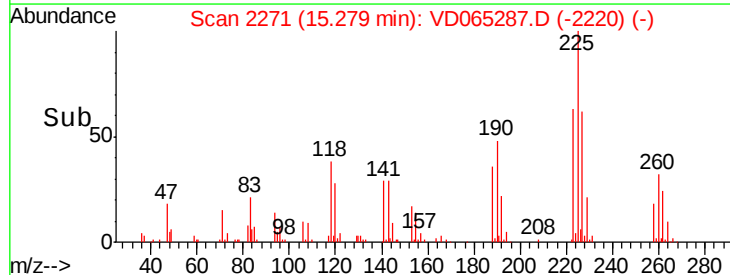
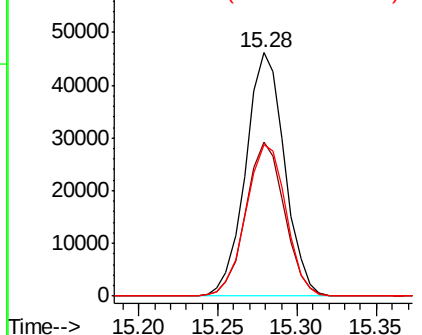


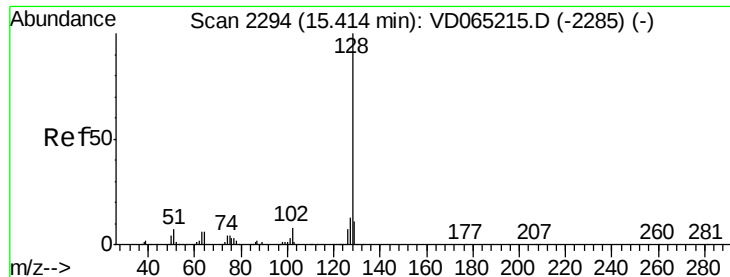
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.762 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampled :

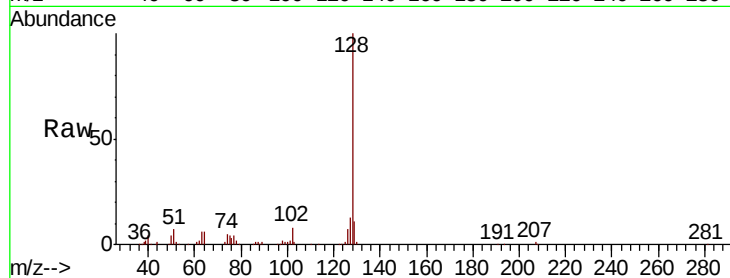
Tot Ion:128 Resp: 203605

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

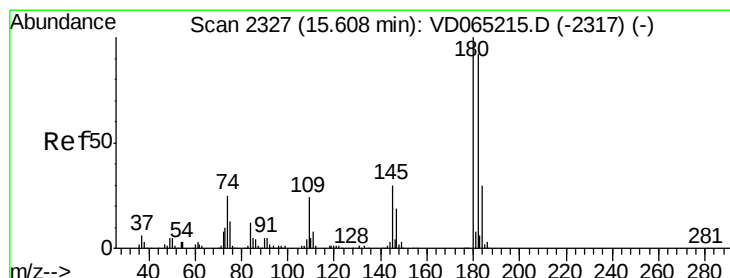
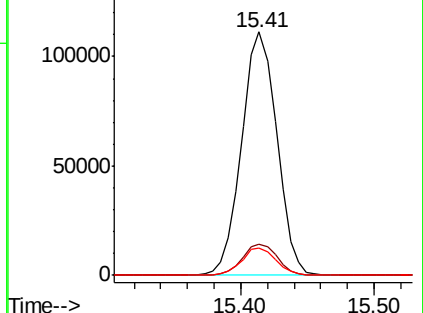
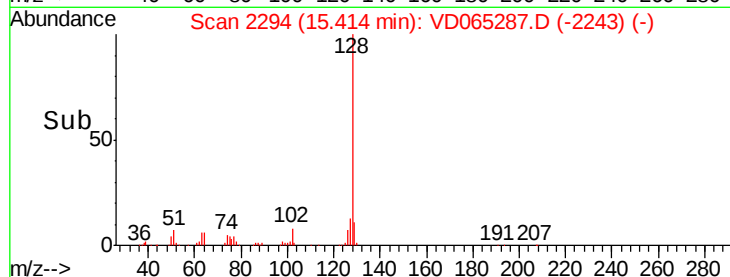
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.938 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065287.D

Acq: 24 Feb 2020 11:41

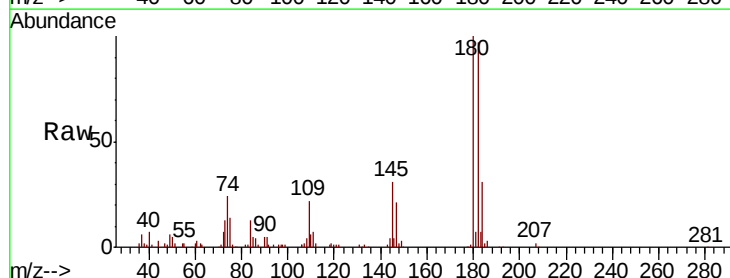
Tgt Ion:180 Resp: 110313

Ion Ratio Lower Upper

180 100

182 95.2 46.9 140.6

145 30.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

80000 Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

