

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065300.D
 Acq On : 24 Feb 2020 17:49
 Operator : VA/SY
 Sample : L1635-13MSD
 Misc : 6.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:24:58 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	7.99	168	401685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	599082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	182588	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.92	113	193479	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	10.34	98	714681	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.64	95	196479	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	182909	54.290	ug/l	98
3) Chloromethane	2.21	50	213431	49.771	ug/l	100
4) Vinyl Chloride	2.35	62	220095	50.474	ug/l	99
5) Bromomethane	2.77	94	136119	51.629	ug/l	99
6) Chloroethane	2.93	64	134019	50.351	ug/l	99
7) Trichlorofluoromethane	3.28	101	316397	50.681	ug/l	98
8) Diethyl Ether	3.71	74	97416	51.694	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	186633	47.339	ug/l	98
10) Methyl Iodide	4.30	142	227634	55.610	ug/l	99
11) Tert butyl alcohol	5.24	59	47582	220.354	ug/l	97
12) 1,1-Dichloroethene	4.07	96	192187	51.605	ug/l	100
13) Acrolein	3.93	56	20054	52.735	ug/l	97
14) Allyl chloride	4.71	41	316032	52.256	ug/l	99
15) Acrylonitrile	5.43	53	198146	237.495	ug/l	100
16) Acetone	4.17	43	146191	165.498	ug/l	99
17) Carbon Disulfide	4.40	76	597576	47.860	ug/l	100
18) Methyl Acetate	4.72	43	384535	193.555	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	410795	52.895	ug/l	96
20) Methylene Chloride	4.96	84	224392	57.779	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	216890	51.229	ug/l	98
22) Diisopropyl ether	6.37	45	583890	50.082	ug/l	96
23) Vinyl Acetate	6.37	43	306966	47.759	ug/l #	73
24) 1,1-Dichloroethane	6.27	63	374744	51.821	ug/l	98
25) 2-Butanone	7.23	43	228427	204.388	ug/l	96
26) 2,2-Dichloropropane	7.21	77	316022	50.368	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	231886	51.707	ug/l	100
28) Bromochloromethane	7.55	49	143158	53.360	ug/l	100
29) Tetrahydrofuran	7.57	42	160451	245.024	ug/l	98
30) Chloroform	7.71	83	376221	51.639	ug/l	97
31) Cyclohexane	7.99	56	302125	42.522	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	327624	50.261	ug/l	99
36) 1,1-Dichloropropene	8.11	75	290689	49.868	ug/l	99
37) Ethyl Acetate	7.30	43	48687	19.980	ug/l #	80
38) Carbon Tetrachloride	8.10	117	292760	49.336	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	243326	35.507	ug/l	98
40) Benzene	8.36	78	845358	51.380	ug/l	98
41) Methacrylonitrile	7.54	41	62944	44.736	ug/l	99
42) 1,2-Dichloroethane	8.43	62	224924	49.727	ug/l	100
43) Isopropyl Acetate	8.46	43	131754	29.732	ug/l #	87
44) Trichloroethene	9.11	130	226607	49.686	ug/l	95
45) 1,2-Dichloropropane	9.39	63	212965	52.054	ug/l	100
46) Dibromomethane	9.48	93	106538	50.612	ug/l	98
47) Bromodichloromethane	9.67	83	281300	50.708	ug/l	98
48) Methyl methacrylate	9.46	41	149061	72.774	ug/l	98
49) 1,4-Dioxane	9.47	88	24014	972.674	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	544300	241.834	ug/l	99
52) Toluene	10.41	92	521908	51.247	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	256485	49.880	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	314926	50.719	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	148263	50.041	ug/l	99
56) Ethyl methacrylate	10.67	69	81934	23.959	ug/l	95
57) 1,3-Dichloropropane	10.95	76	253873	50.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	243436	225.791	ug/l	97
59) 2-Hexanone	10.99	43	346211	214.884	ug/l	97
60) Dibromochloromethane	11.14	129	188377	49.675	ug/l	98
61) 1,2-Dibromoethane	11.25	107	138696	49.442	ug/l	98
64) Tetrachloroethene	10.88	164	170201	48.270	ug/l	94
65) Chlorobenzene	11.67	112	507310	50.849	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	198608	53.346	ug/l	98
67) Ethyl Benzene	11.75	91	899352	51.470	ug/l	99
68) m/p-Xylenes	11.86	106	688530	102.995	ug/l	100
69) o-Xylene	12.18	106	312561	52.774	ug/l	100
70) Styrene	12.20	104	532272	50.618	ug/l	100
71) Bromoform	12.37	173	102807	49.763	ug/l #	98
73) Isopropylbenzene	12.48	105	755198	58.167	ug/l	100
74) N-amyl acetate	12.30	43	14829	5.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	143374	61.187	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	181859	108.993	ug/l #	100
77) Bromobenzene	12.77	156	195364	60.597	ug/l	99
78) n-propylbenzene	12.83	91	833960	53.451	ug/l	99
79) 2-Chlorotoluene	12.91	91	481118	55.045	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	586970	54.891	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	45581	58.984	ug/l	96
82) 4-Chlorotoluene	13.01	91	500198	53.905	ug/l	99
83) tert-Butylbenzene	13.23	119	468543	52.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	581920	54.369	ug/l	98
85) sec-Butylbenzene	13.41	105	568517	44.022	ug/l	100
86) p-Isopropyltoluene	13.53	119	528171	44.722	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	295772	47.455	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	298872	48.587	ug/l	99
89) n-Butylbenzene	13.86	91	388194	35.670	ug/l	99
90) Hexachloroethane	14.12	117	106676	44.485	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	258952	48.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	19742	54.672	ug/l	91

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

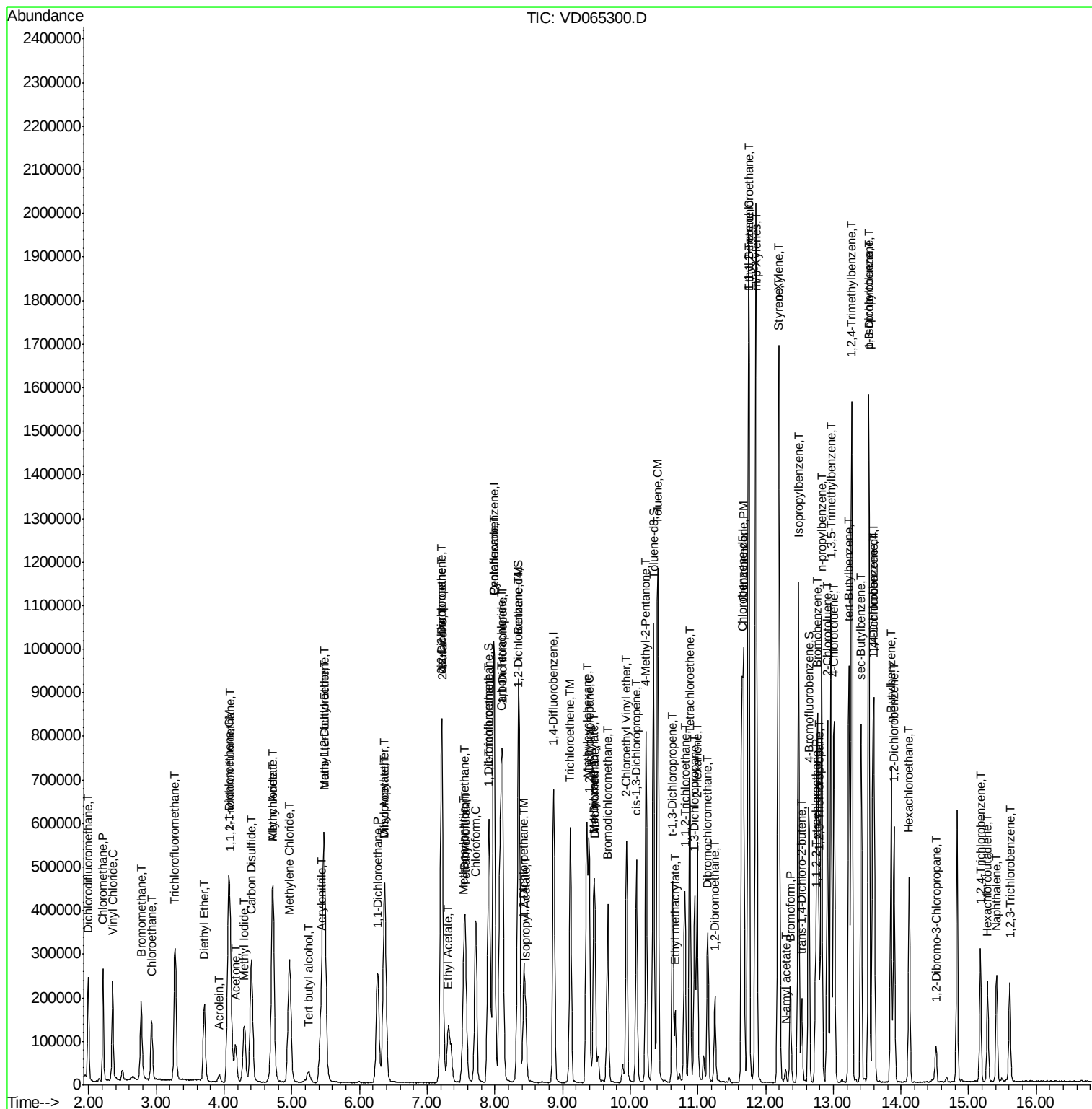
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106514	30.428	ug/l	98
94) Hexachlorobutadiene	15.28	225	46938	20.903	ug/l	99
95) Naphthalene	15.41	128	221559	38.933	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	84703	27.706	ug/l	97

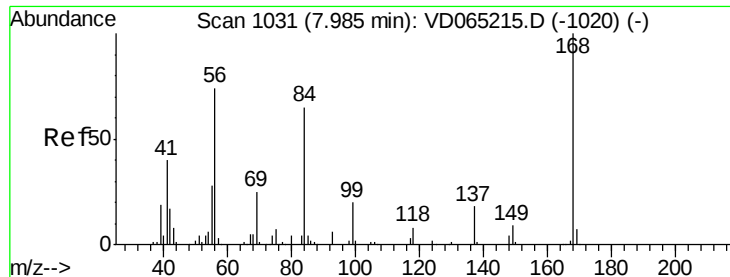
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

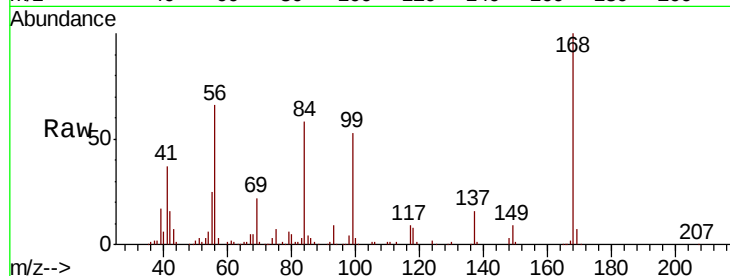
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 401685

Ion Ratio Lower Upper

168 100

99 52.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

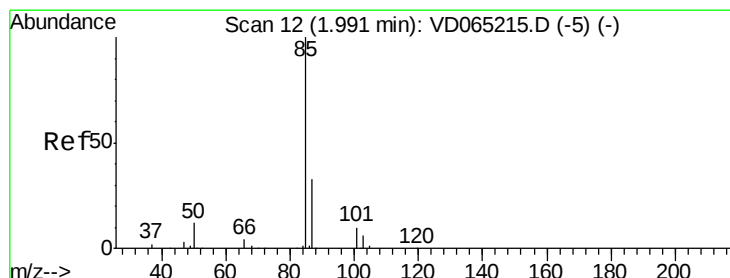
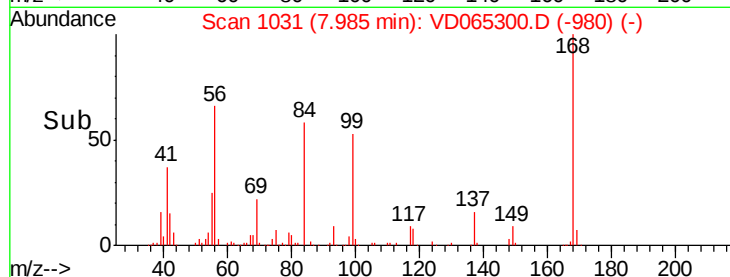
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.290 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065300.D

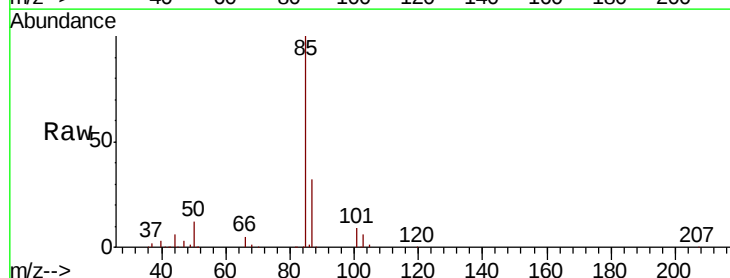
Acq: 24 Feb 2020 17:49

Tgt Ion: 85 Resp: 182909

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

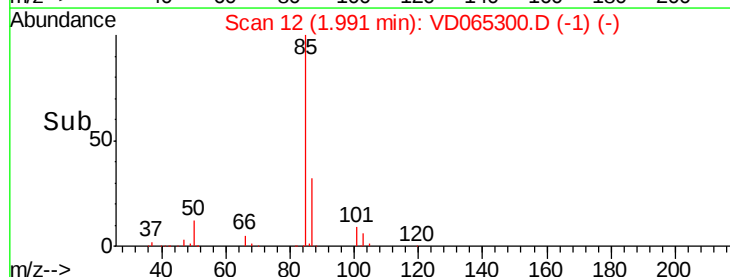
100000

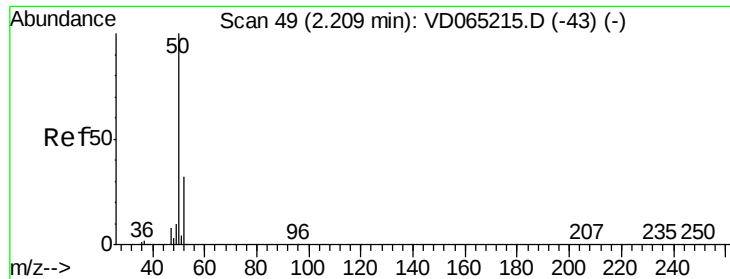
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.771 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

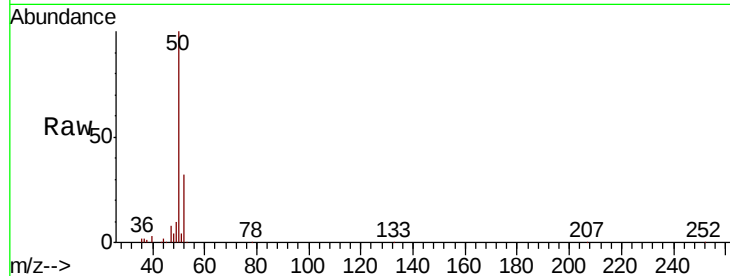
ClientSampleId :

Tot Ion: 50 Resp: 213431

Ion Ratio Lower Upper

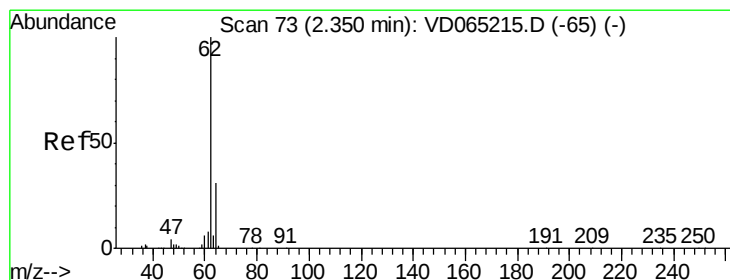
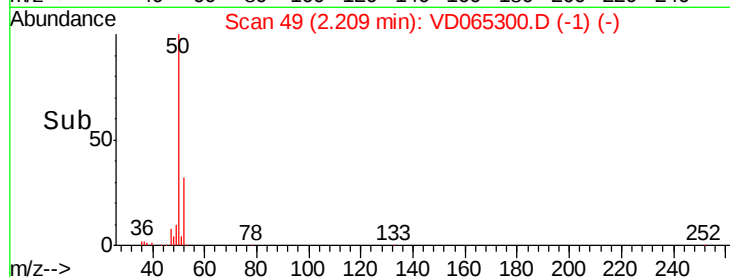
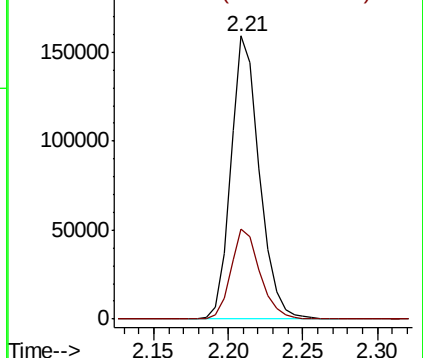
50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.474 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065300.D

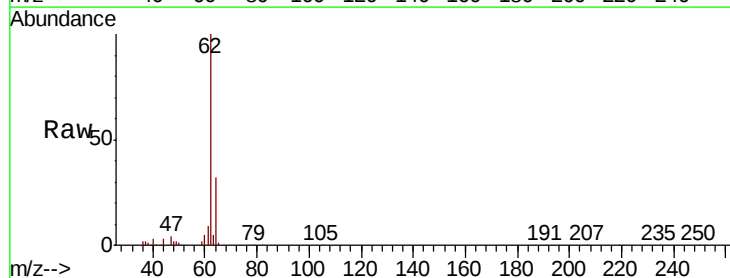
Acq: 24 Feb 2020 17:49

Tgt Ion: 62 Resp: 220095

Ion Ratio Lower Upper

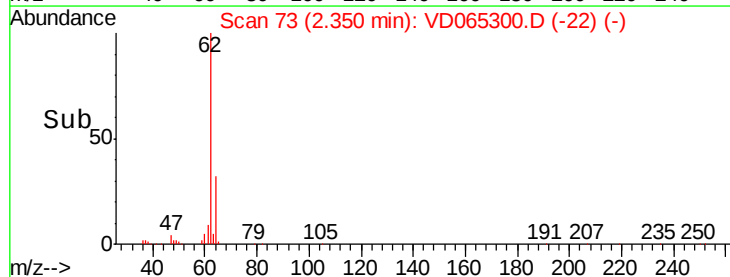
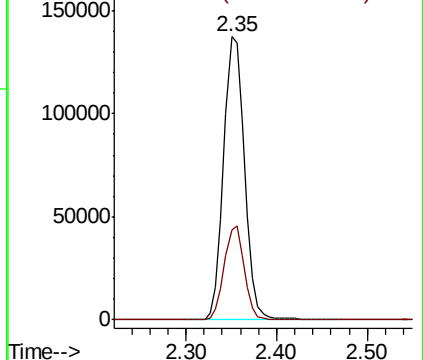
62 100

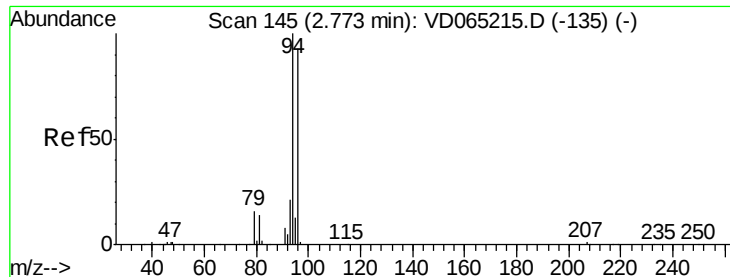
64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.629 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

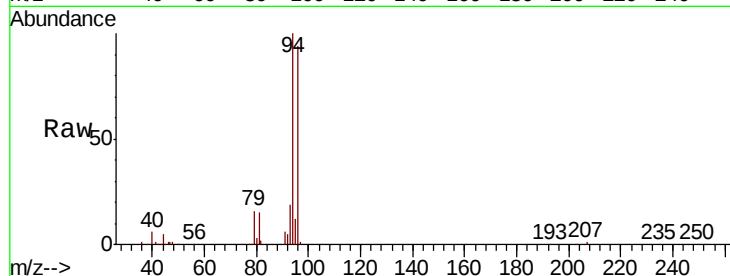
ClientSampleId :

Tot Ion: 94 Resp: 136119

Ion Ratio Lower Upper

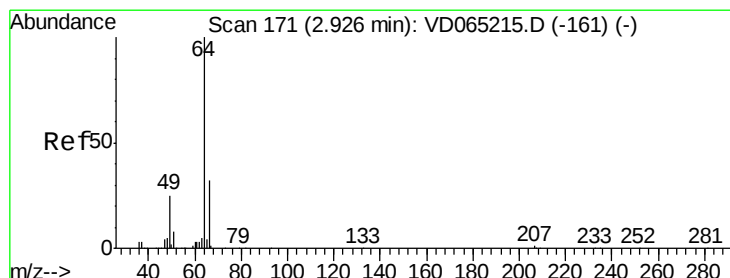
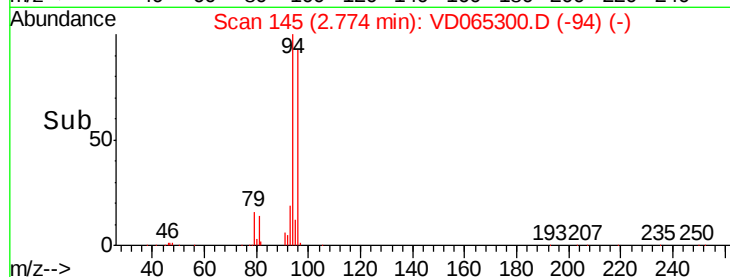
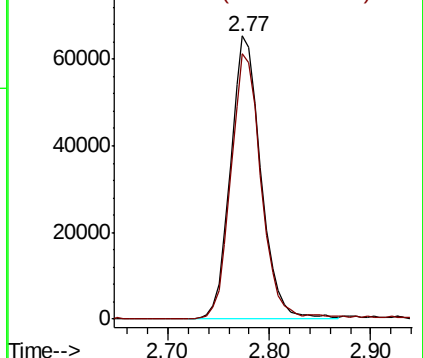
94 100

96 93.4 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.351 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065300.D

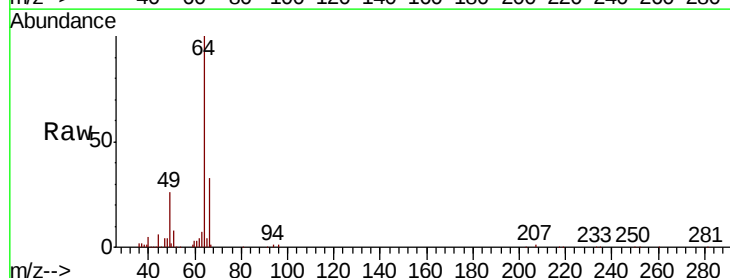
Acq: 24 Feb 2020 17:49

Tgt Ion: 64 Resp: 134019

Ion Ratio Lower Upper

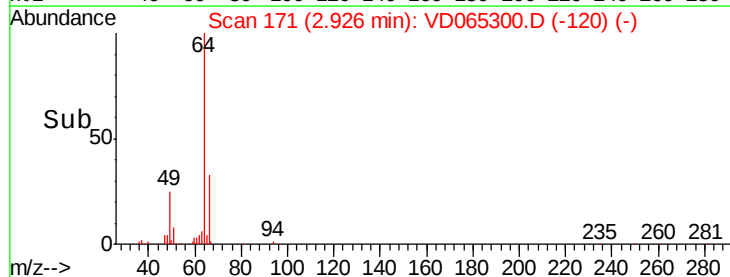
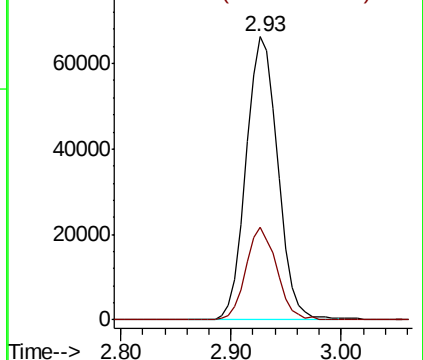
64 100

66 32.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



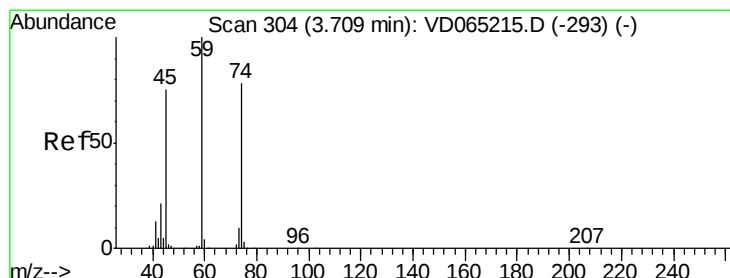
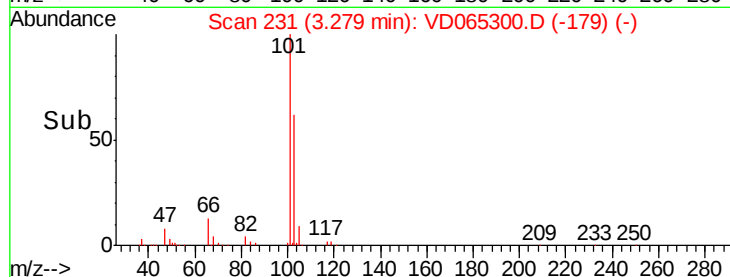
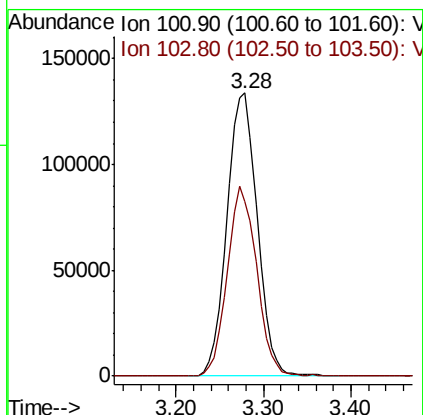
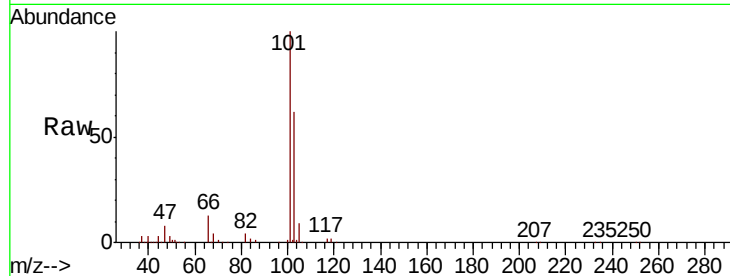


#7

Trichlorofluoromethane
Concen: 50.681 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampled :

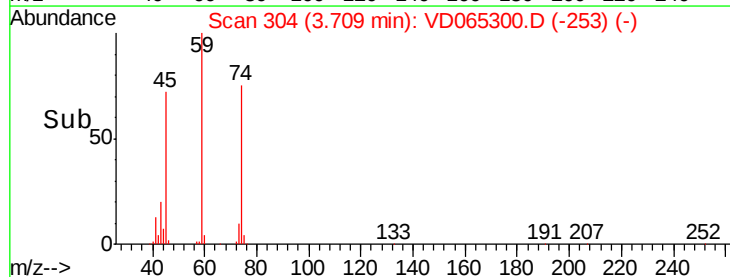
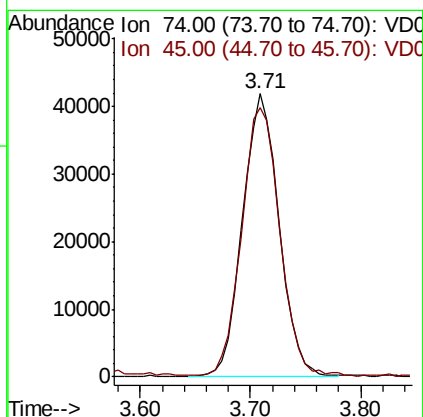
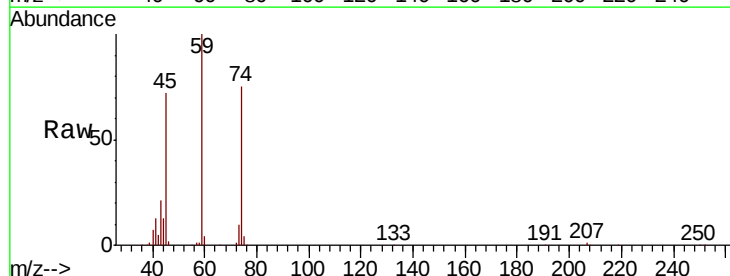
Tot Ion:101 Resp: 316397
Ion Ratio Lower Upper
101 100
103 61.8 50.7 76.1



#8

Diethyl Ether
Concen: 51.694 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 74 Resp: 97416
Ion Ratio Lower Upper
74 100
45 100.1 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.339 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

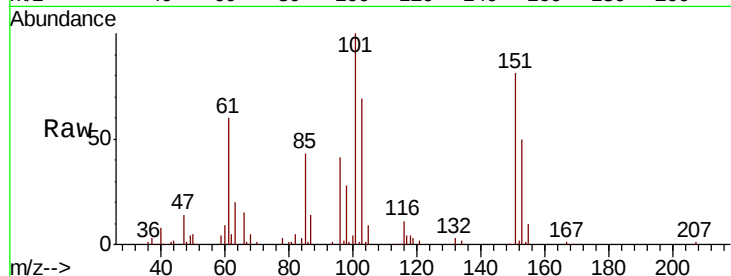
Tot Ion:101 Resp: 186633

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

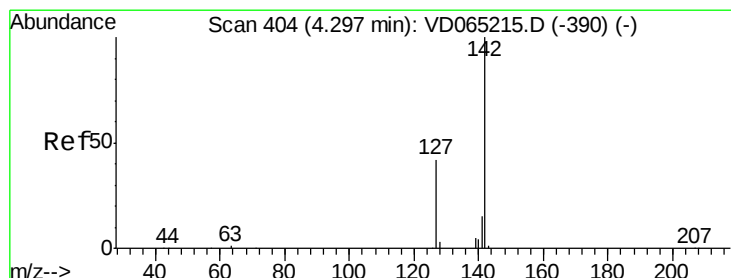
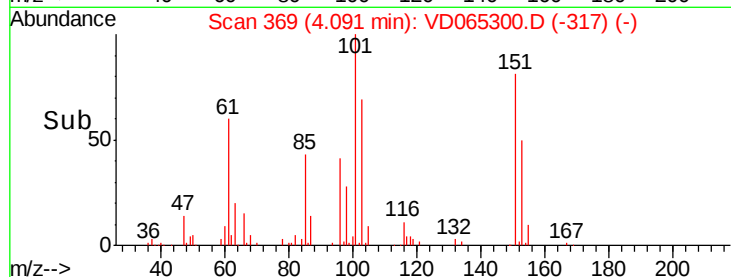
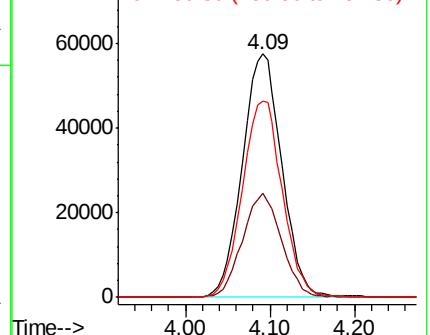
151 81.4 63.5 95.3



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: 55.610 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

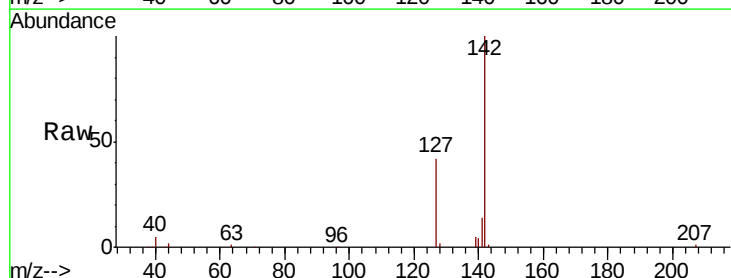
Tgt Ion:142 Resp: 227634

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.8

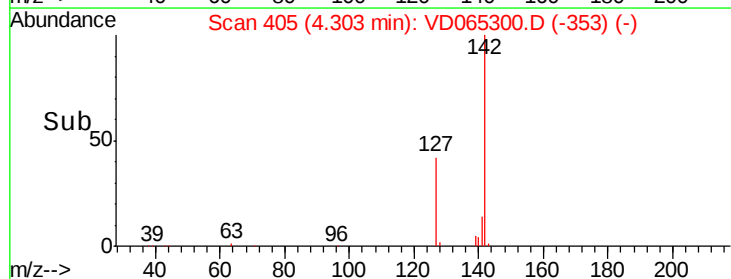
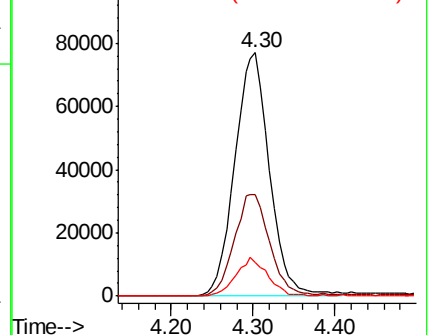
141 14.7 11.7 17.5

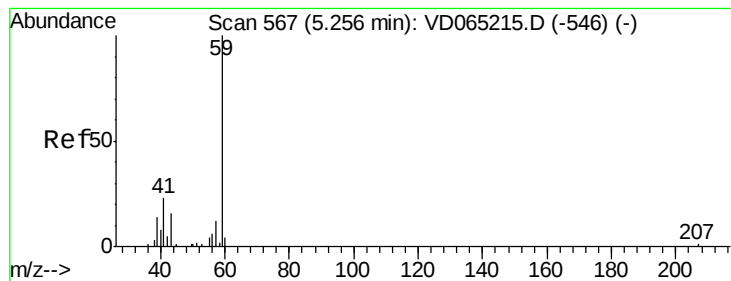


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 220.354 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

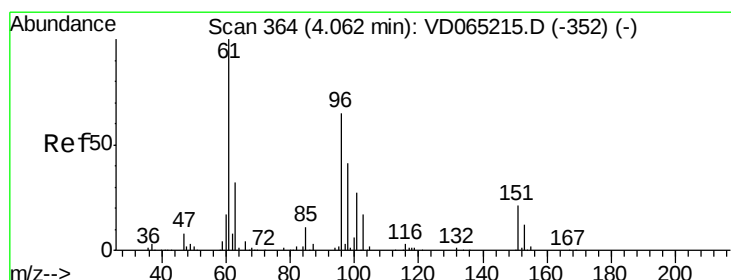
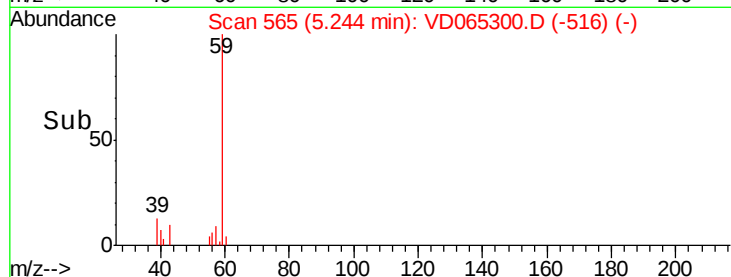
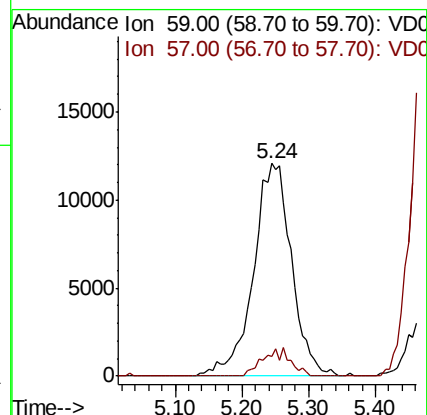
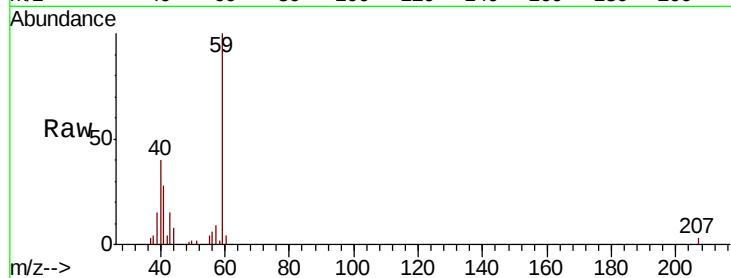
ClientSampleId :

Tot Ion: 59 Resp: 47582

Ion Ratio Lower Upper

59 100

57 9.5 8.4 12.6



#12

1,1-Dichloroethene

Concen: 51.605 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

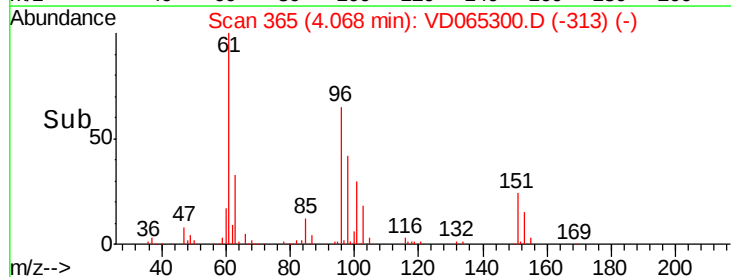
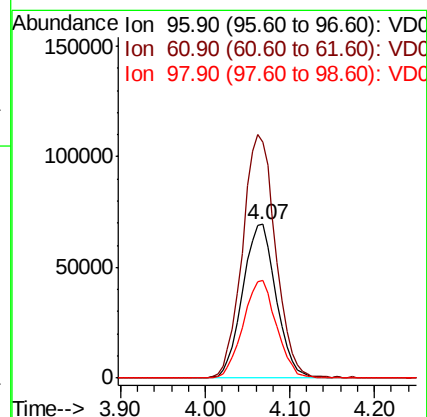
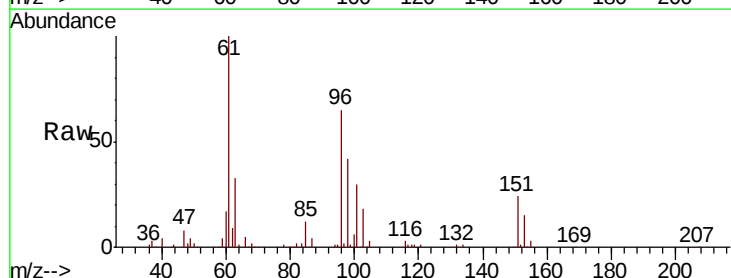
Tgt Ion: 96 Resp: 192187

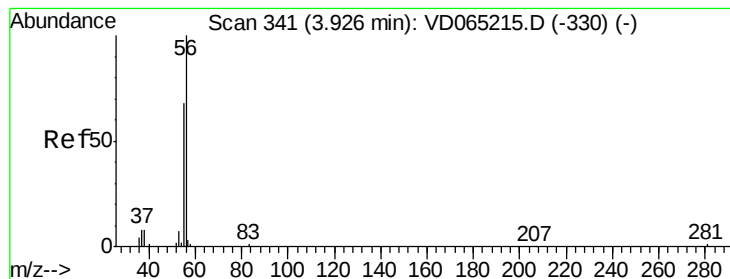
Ion Ratio Lower Upper

96 100

61 153.2 123.3 184.9

98 63.7 51.0 76.4





#13

Acrolein

Concen: 52.735 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

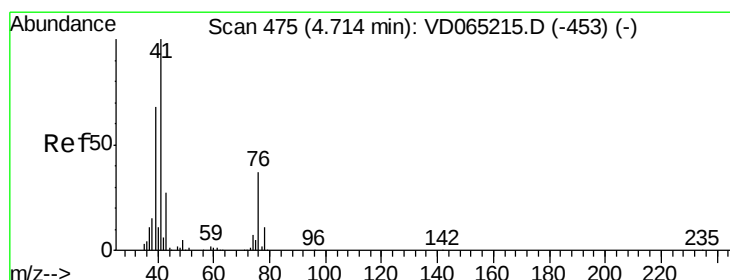
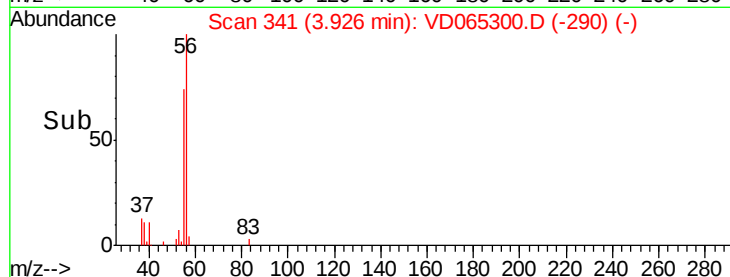
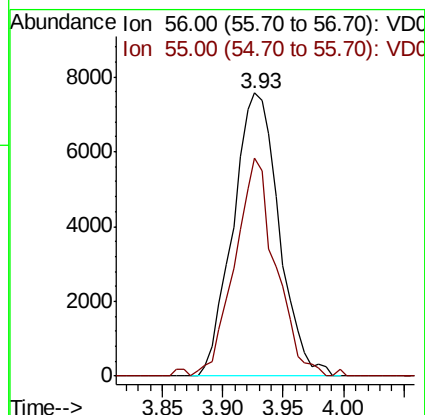
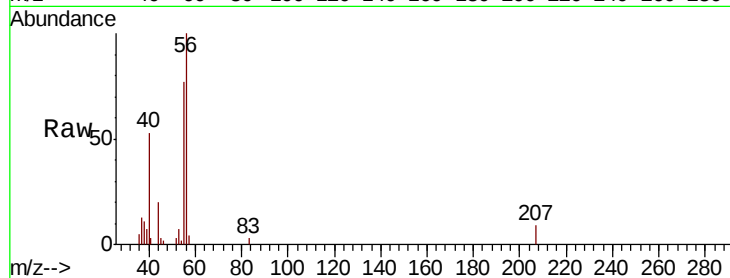
ClientSampleId :

Tot Ion: 56 Resp: 20054

Ion Ratio Lower Upper

56 100

55 68.5 56.6 85.0



#14

Allyl chloride

Concen: 52.256 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

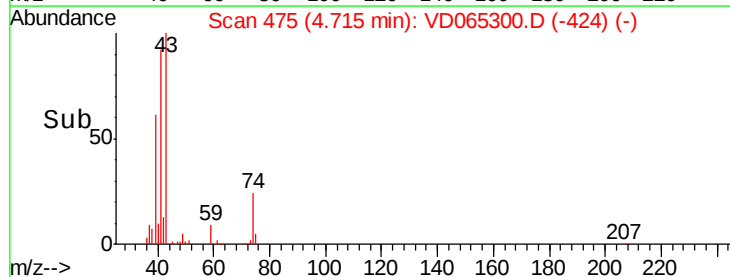
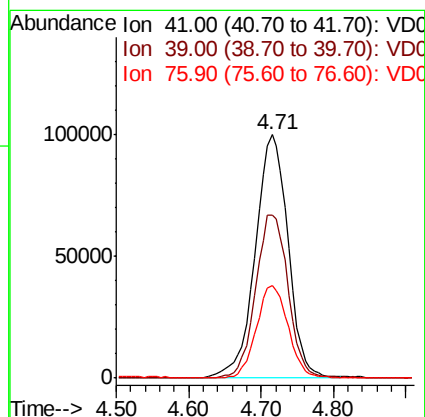
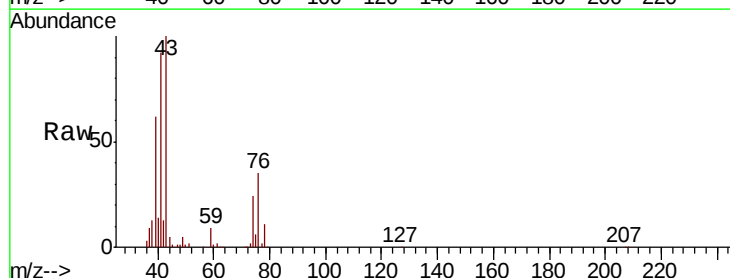
Tgt Ion: 41 Resp: 316032

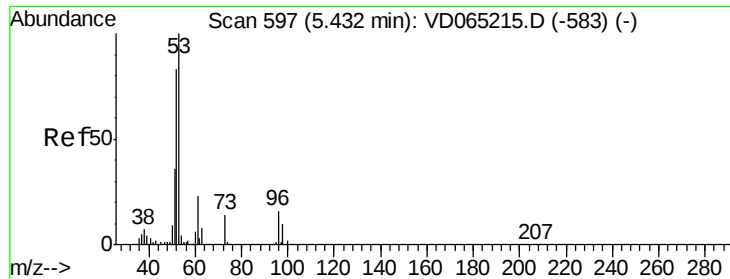
Ion Ratio Lower Upper

41 100

39 66.3 53.8 80.6

76 37.0 28.7 43.1





#15

Acrylonitrile

Concen: 237.495 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

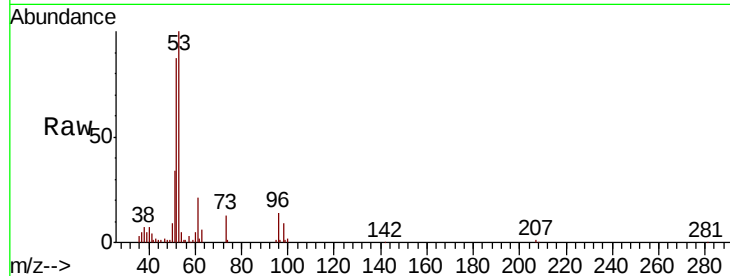
Tot Ion: 53 Resp: 198146

Ion Ratio Lower Upper

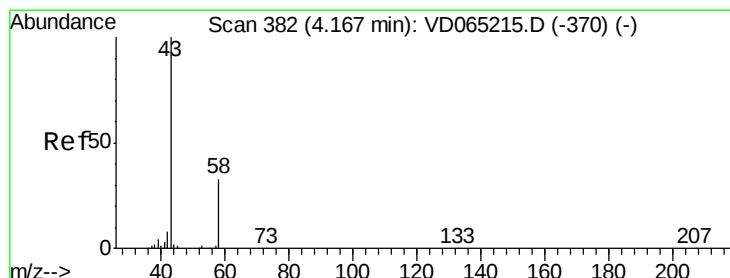
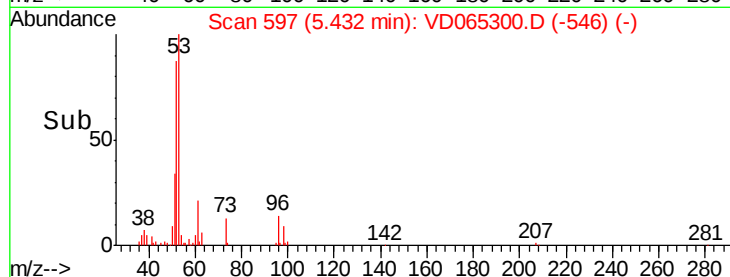
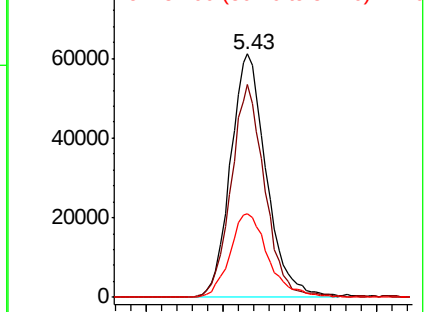
53 100

52 82.3 65.4 98.2

51 36.8 29.5 44.3



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



#16

Acetone

Concen: 165.498 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065300.D

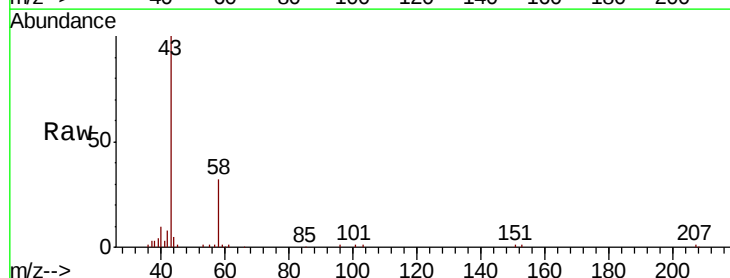
Acq: 24 Feb 2020 17:49

Tgt Ion: 43 Resp: 146191

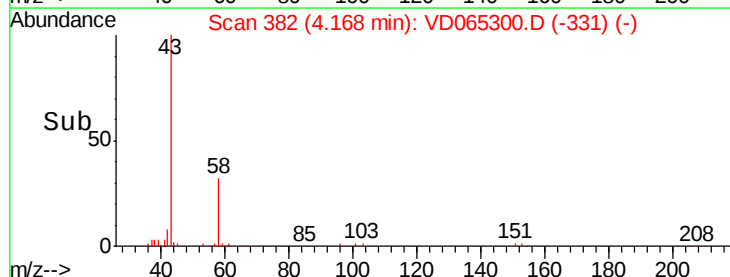
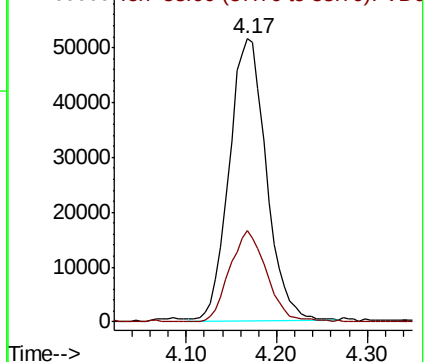
Ion Ratio Lower Upper

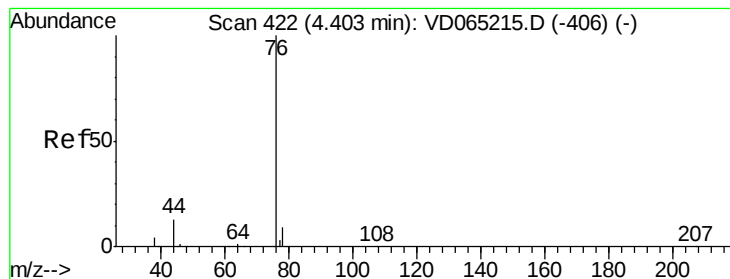
43 100

58 32.0 26.2 39.2



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





#17

Carbon Disulfide

Concen: 47.860 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

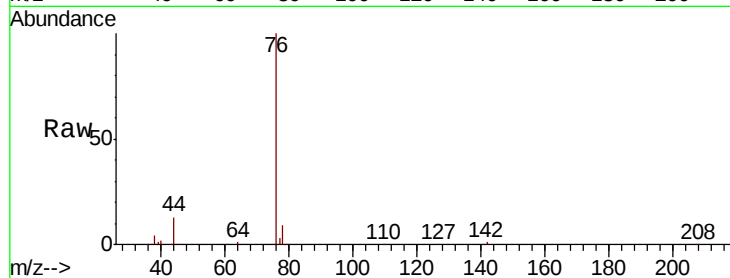
ClientSampleId :

Tot Ion: 76 Resp: 597576

Ion Ratio Lower Upper

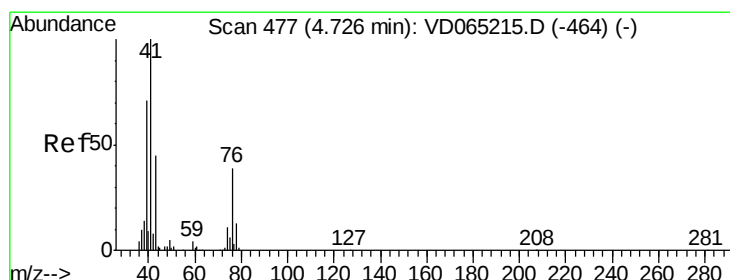
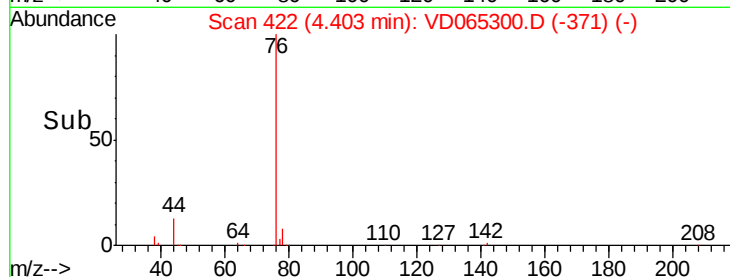
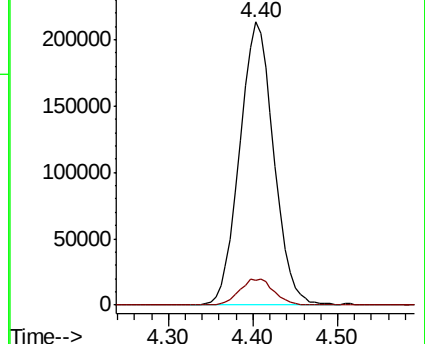
76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 193.555 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065300.D

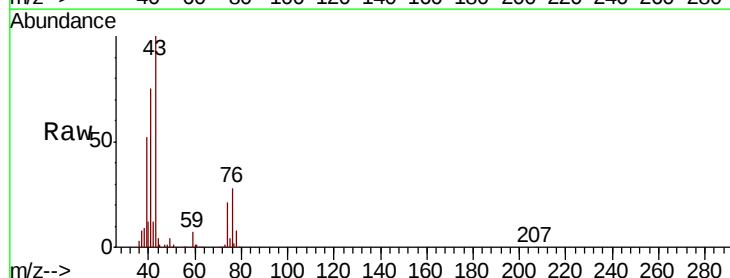
Acq: 24 Feb 2020 17:49

Tgt Ion: 43 Resp: 384535

Ion Ratio Lower Upper

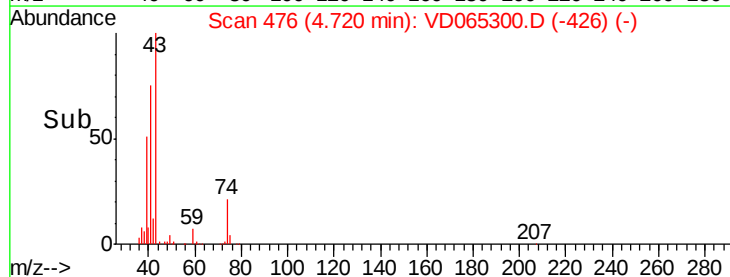
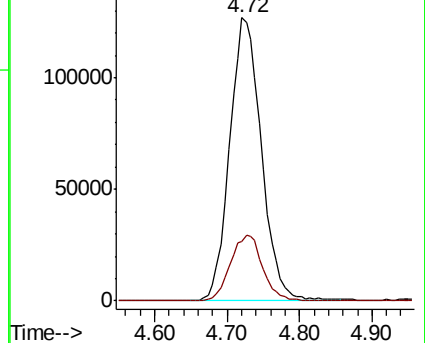
43 100

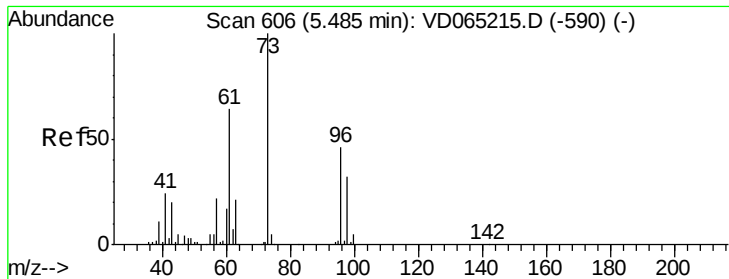
74 23.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

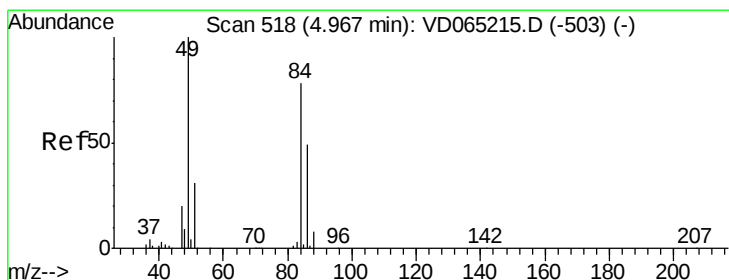
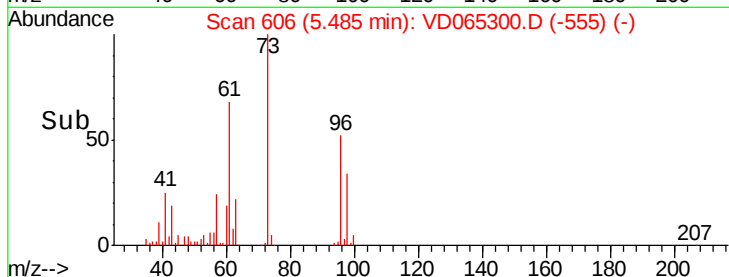
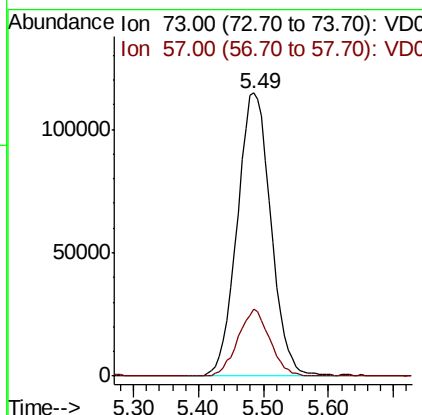
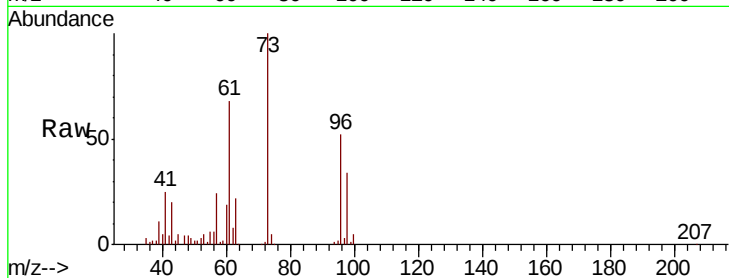




#19
Methvl tert-butvl Ether
Concen: 52.895 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

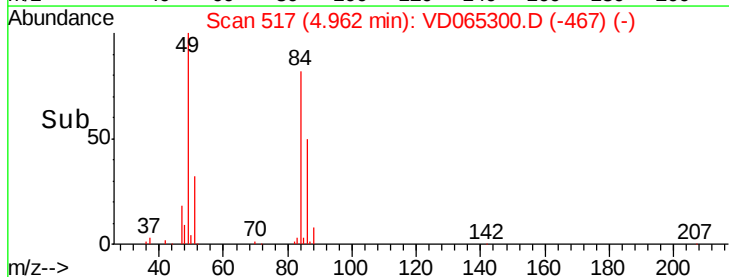
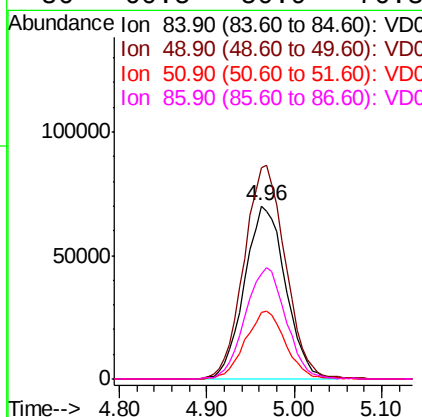
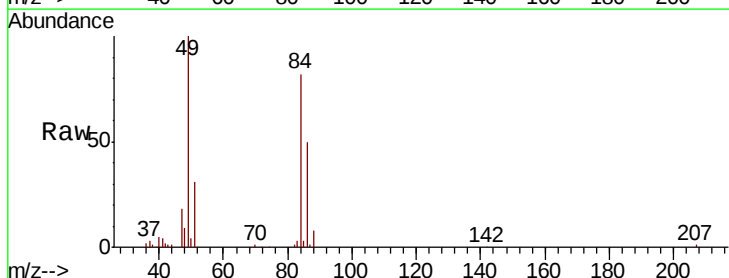
Instrument :
MSVOA_D
ClientSampleId :

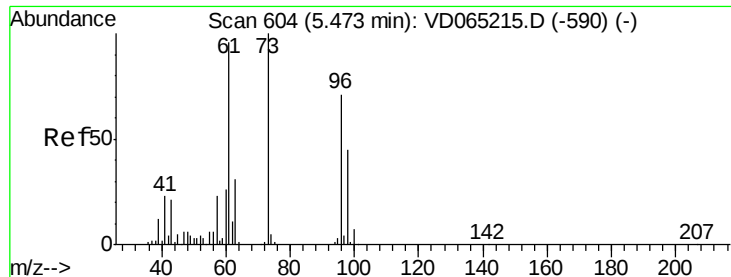
Tot Ion: 73 Resp: 410795
Ion Ratio Lower Upper
73 100
57 23.6 17.3 25.9



#20
Methylene Chloride
Concen: 57.779 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 84 Resp: 224392
Ion Ratio Lower Upper
84 100
49 121.9 103.1 154.7
51 38.3 31.7 47.5
86 60.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.229 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

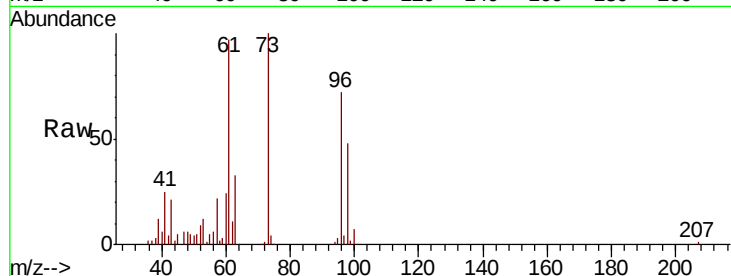
Tot Ion: 96 Resp: 216890

Ion Ratio Lower Upper

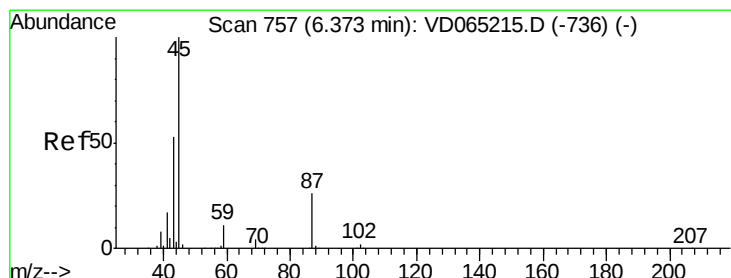
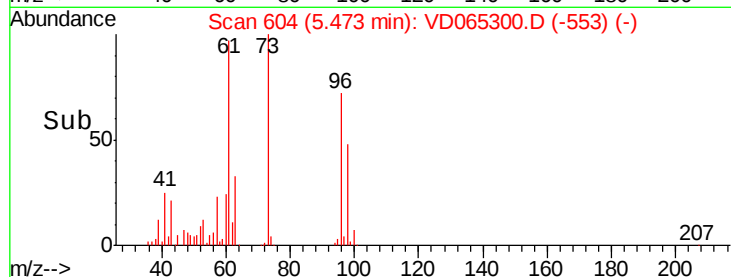
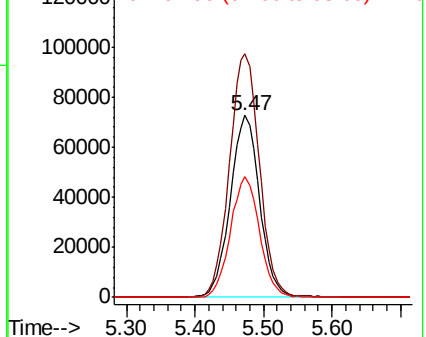
96 100

61 134.0 108.3 162.5

98 66.5 50.7 76.1



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



#22

Diisopropyl ether

Concen: 50.082 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion: 45 Resp: 583890

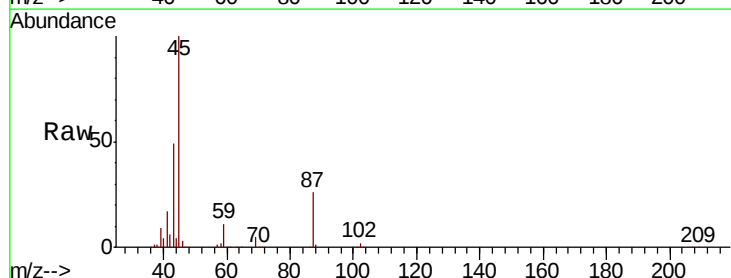
Ion Ratio Lower Upper

45 100

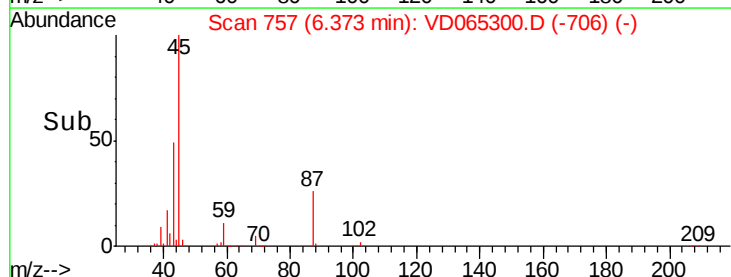
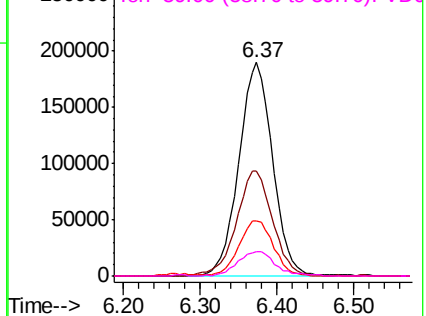
43 48.9 42.6 64.0

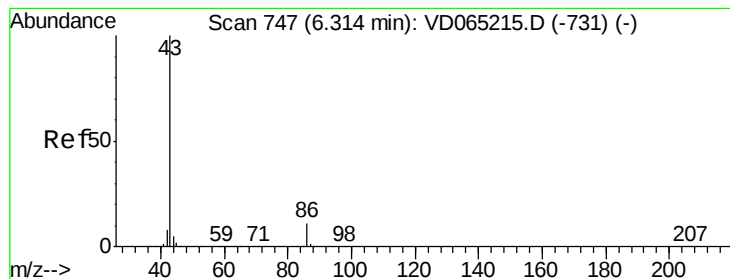
87 25.7 21.2 31.8

59 11.2 8.9 13.3



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





#23

Vinyl Acetate

Concen: 47.759 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.06 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

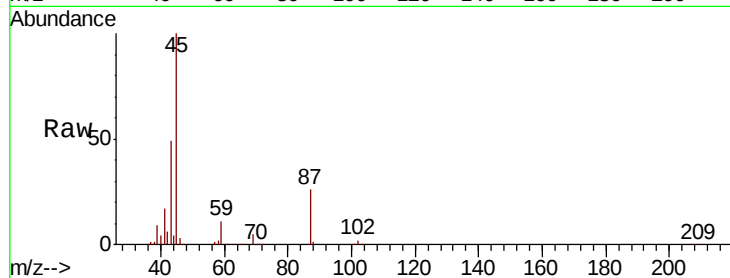
ClientSampled :

Tot Ion: 43 Resp: 306966

Ion Ratio Lower Upper

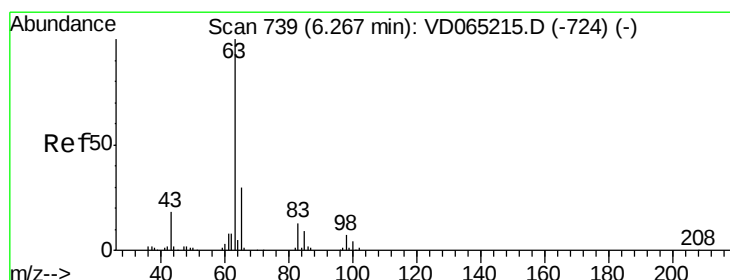
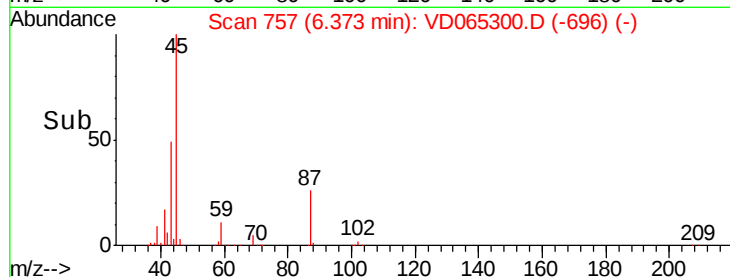
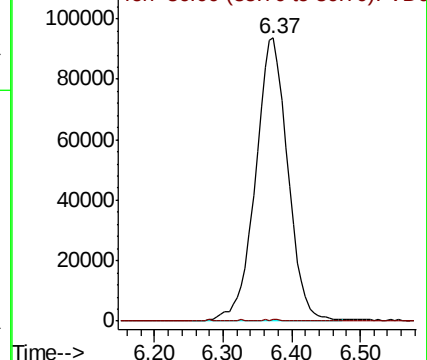
43 100

86 0.5 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: 51.821 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

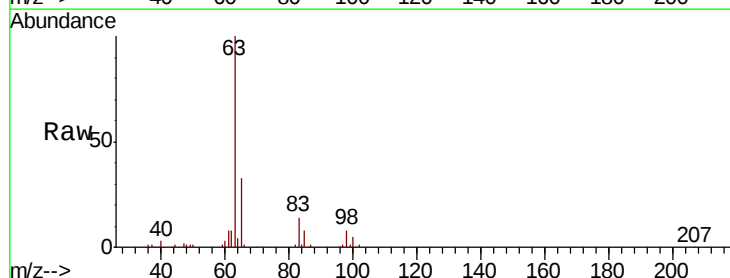
Tgt Ion: 63 Resp: 374744

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

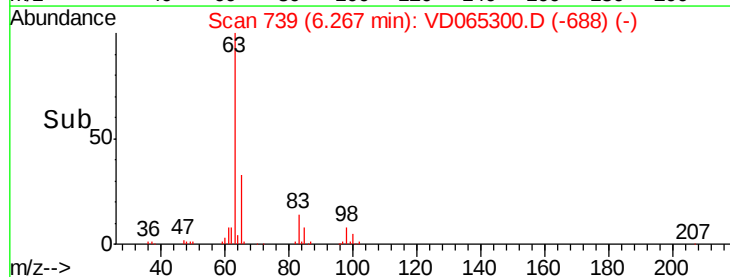
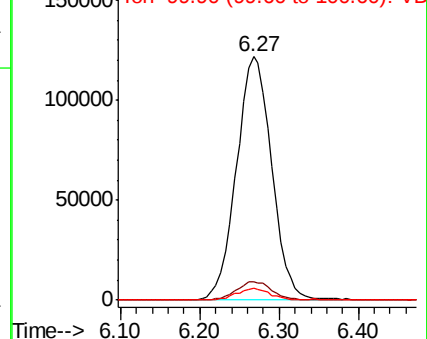
100 4.9 2.3 6.8

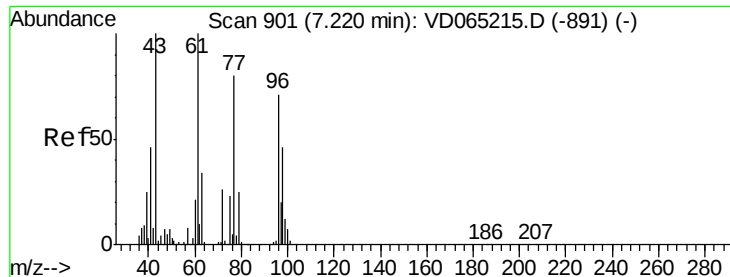


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 204.388 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

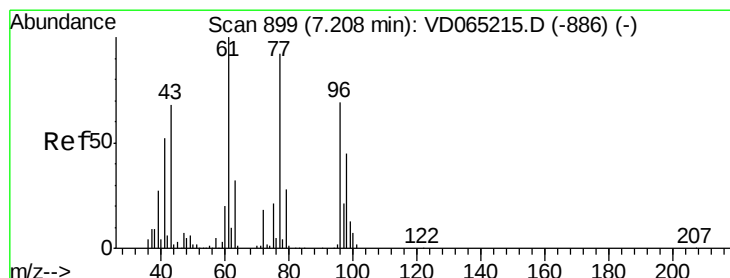
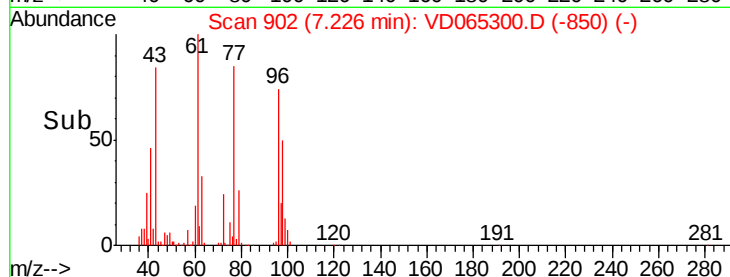
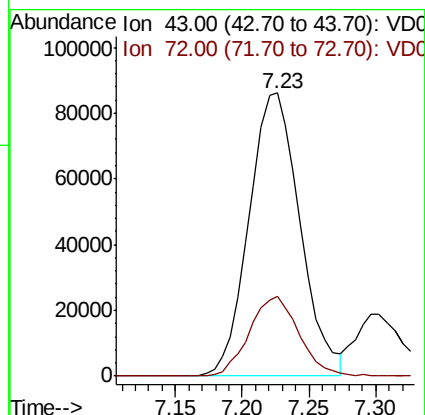
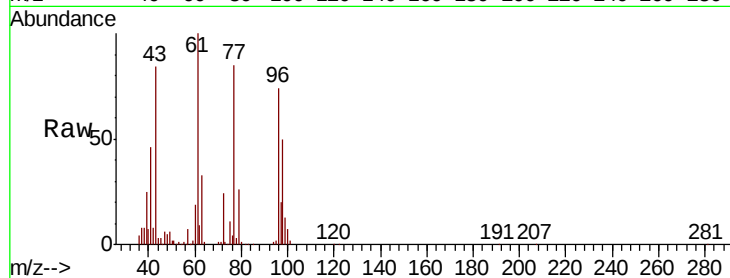
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 228427

Ion Ratio Lower Upper

43 100

72 28.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 50.368 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065300.D

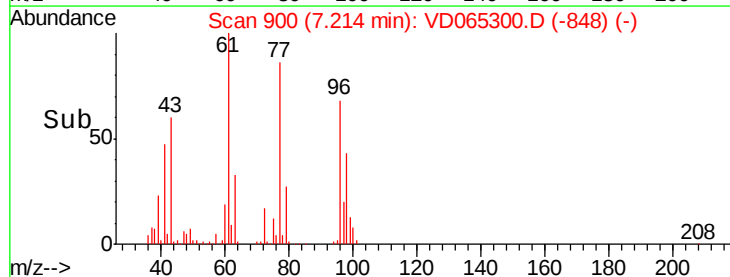
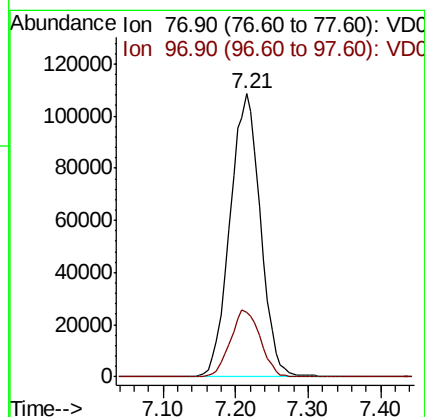
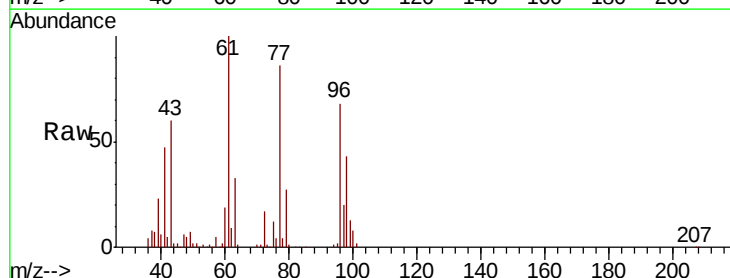
Acq: 24 Feb 2020 17:49

Tgt Ion: 77 Resp: 316022

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1

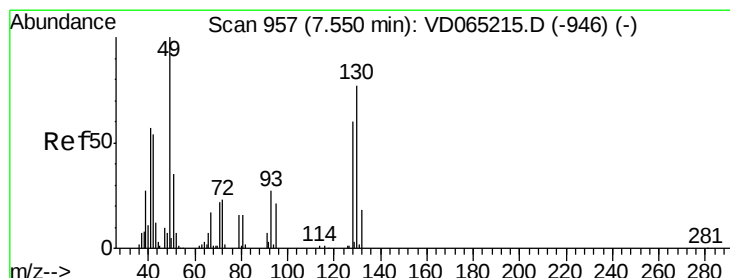
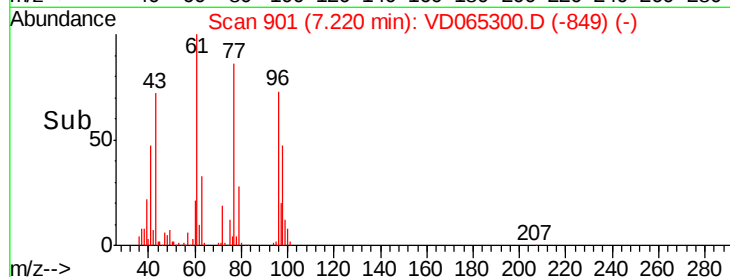
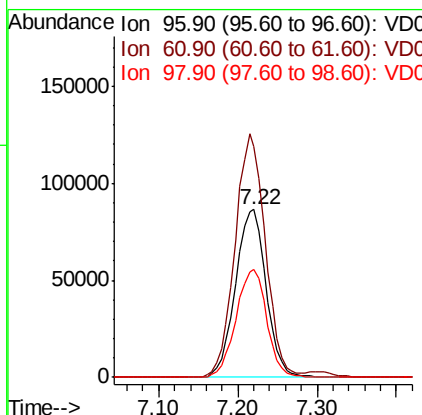
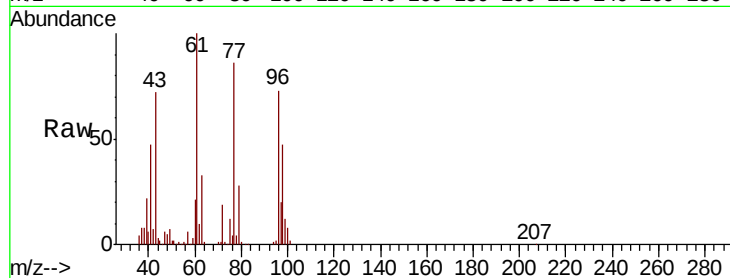




#27
 cis-1,2-Dichloroethene
 Concen: 51.707 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

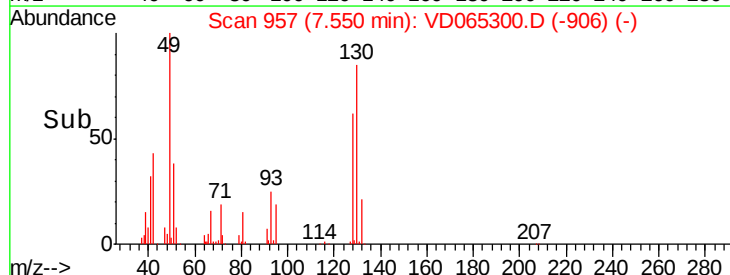
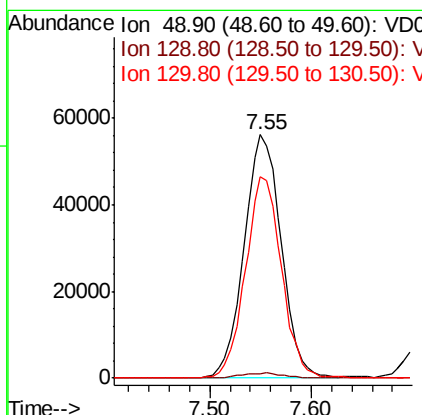
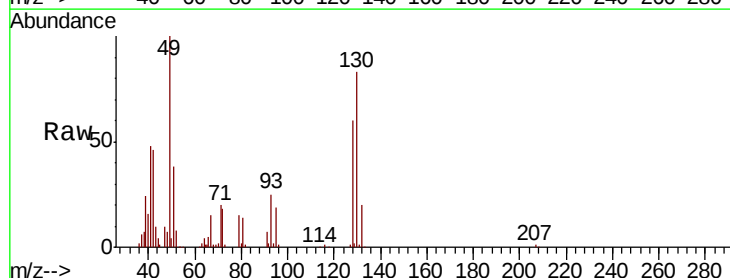
Instrument :
 MSVOA_D
 ClientSampleId :

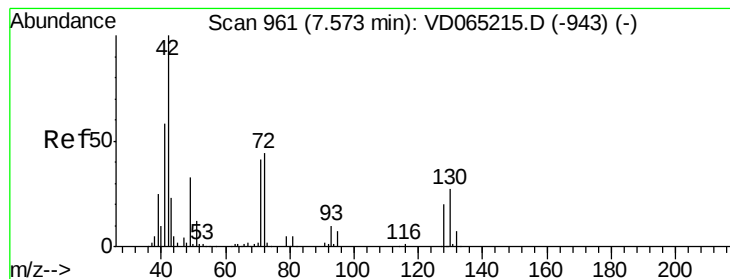
Tot Ion	96	Resp	231886
Ion Ratio	Lower	Upper	
96	100		
61	143.2	0.0	286.0
98	64.5	0.0	127.8



#28
 Bromochloromethane
 Concen: 53.360 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	49	Resp	143158
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.6
130	80.5	64.7	97.1





#29

Tetrahydrofuran

Concen: 245.024 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampled :

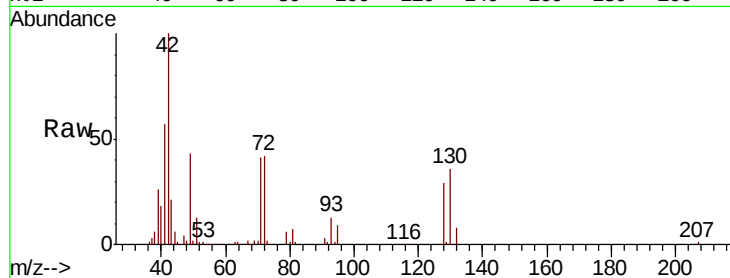
Tot Ion: 42 Resp: 160451

Ion Ratio Lower Upper

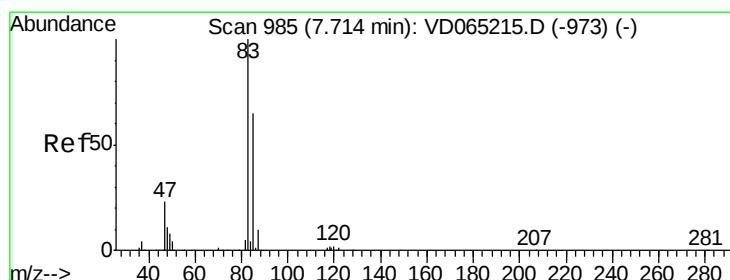
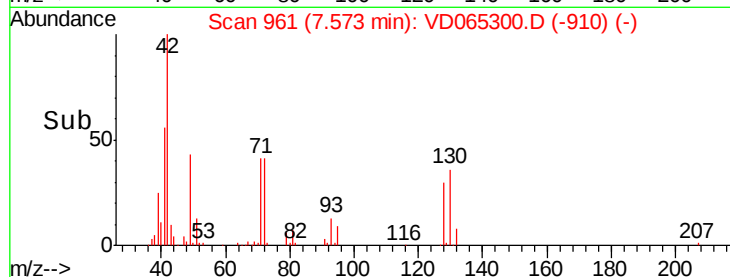
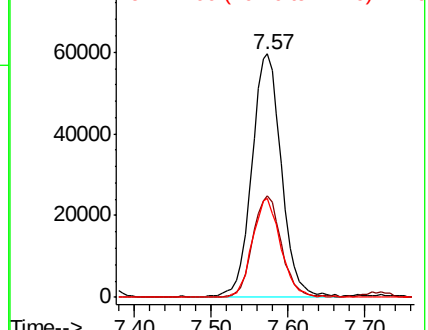
42 100

72 40.6 33.7 50.5

71 38.8 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: 51.639 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065300.D

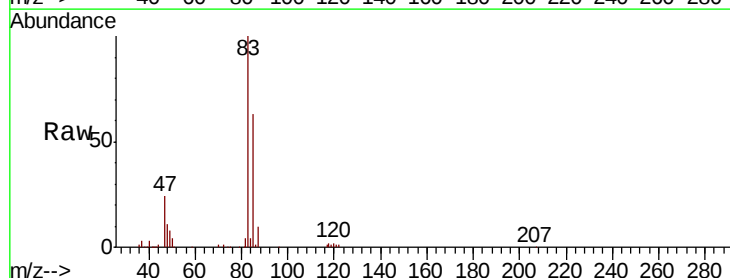
Acq: 24 Feb 2020 17:49

Tgt Ion: 83 Resp: 376221

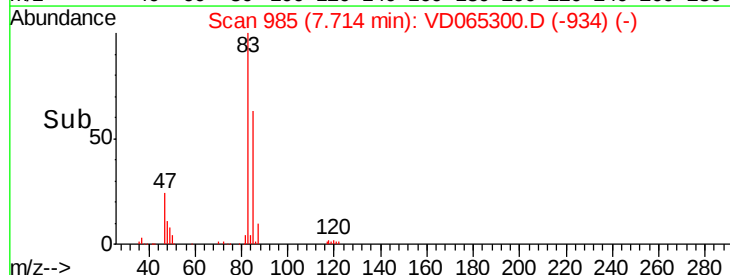
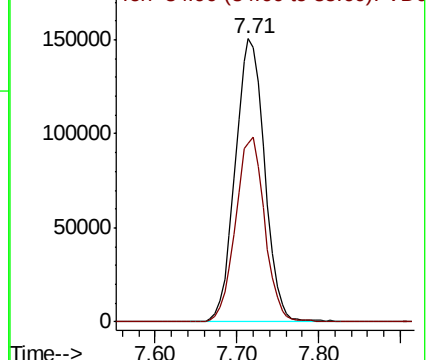
Ion Ratio Lower Upper

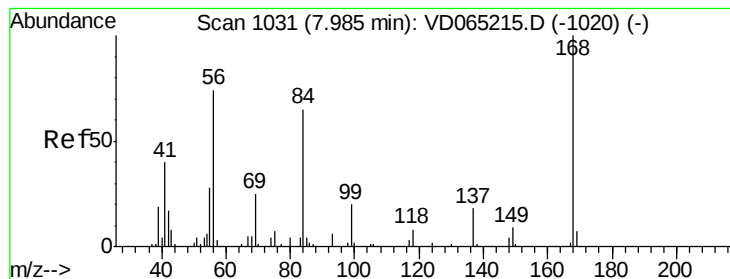
83 100

85 63.0 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: 42.522 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

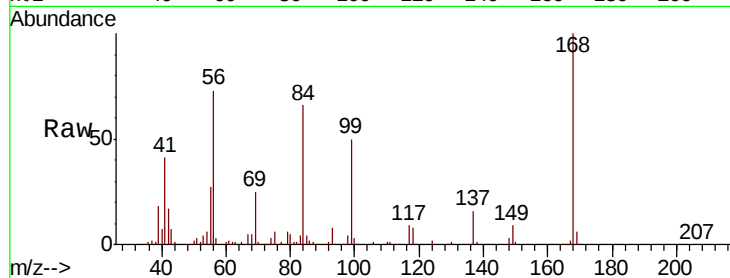
Tot Ion: 56 Resp: 302125

Ion Ratio Lower Upper

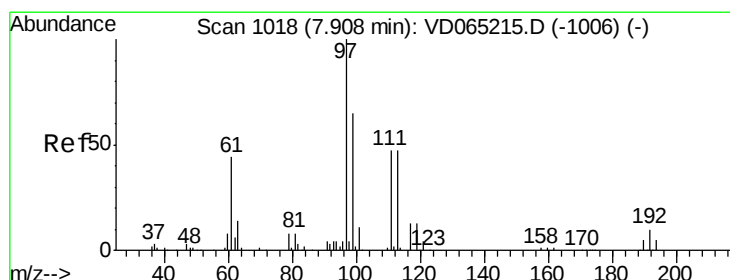
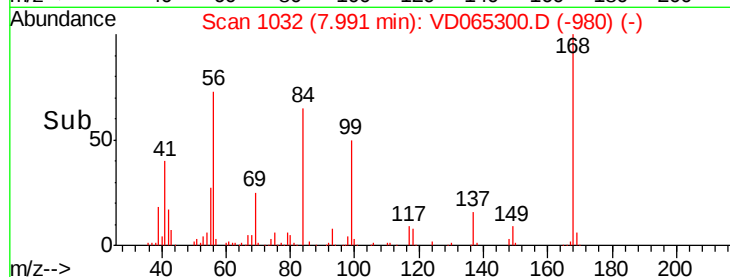
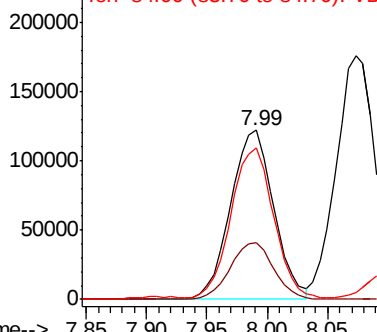
56 100

69 33.8 27.4 41.0

84 87.8 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 50.261 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

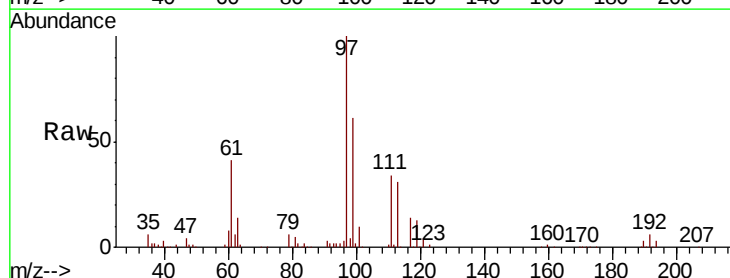
Tgt Ion: 97 Resp: 327624

Ion Ratio Lower Upper

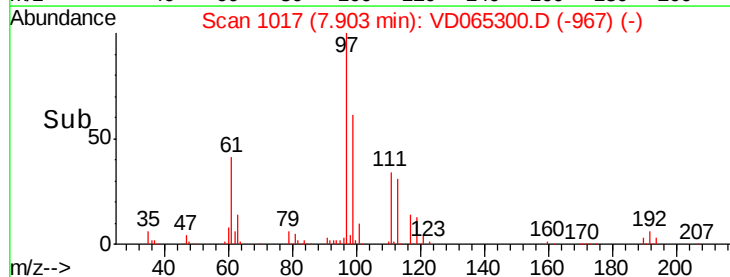
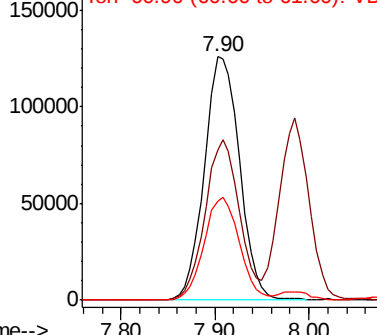
97 100

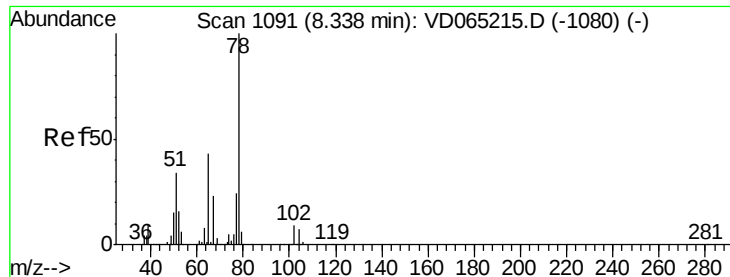
99 64.5 51.4 77.2

61 42.2 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 50.528 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

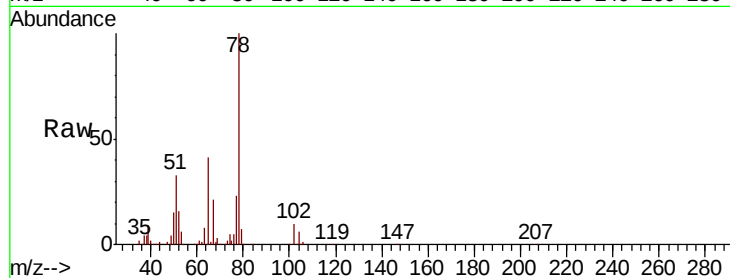
ClientSampleId :

Tot Ion: 65 Resp: 182588

Ion Ratio Lower Upper

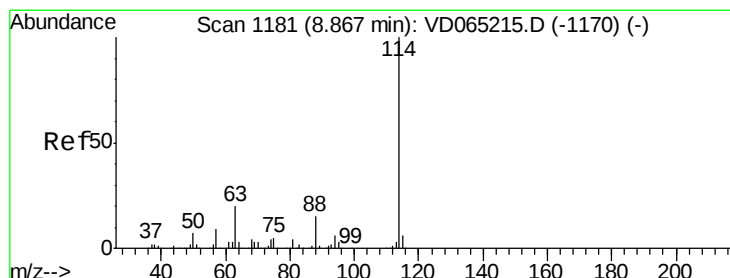
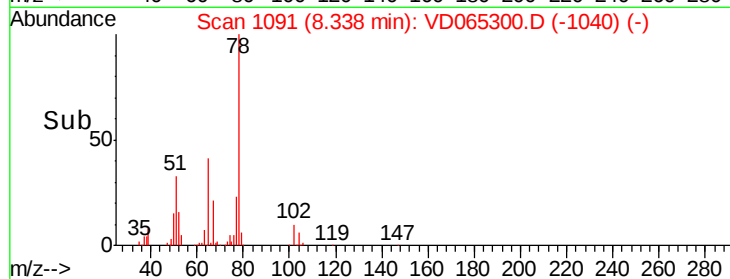
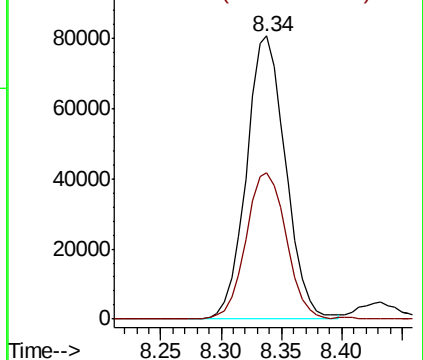
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

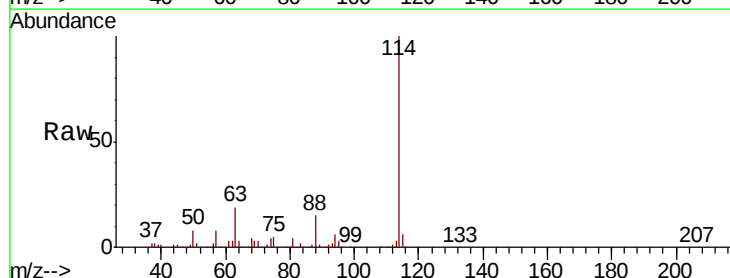
Tgt Ion: 114 Resp: 599082

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.4

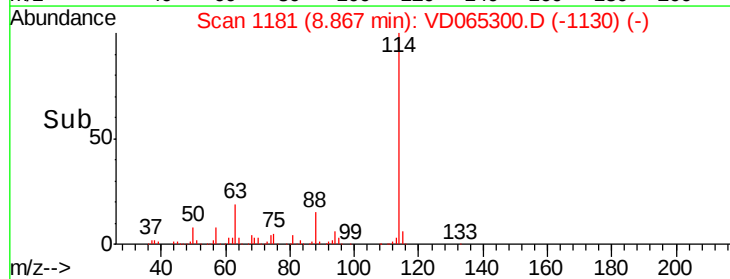
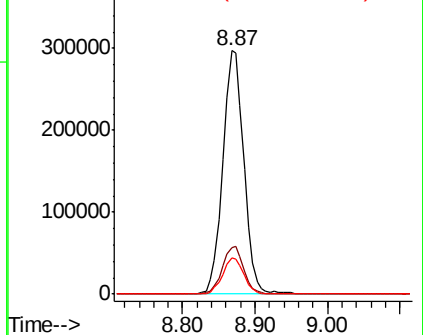
88 15.0 0.0 30.4

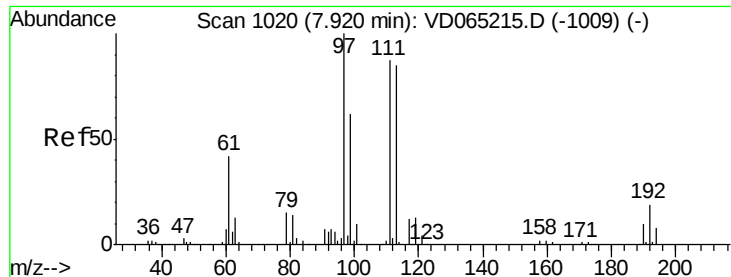


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

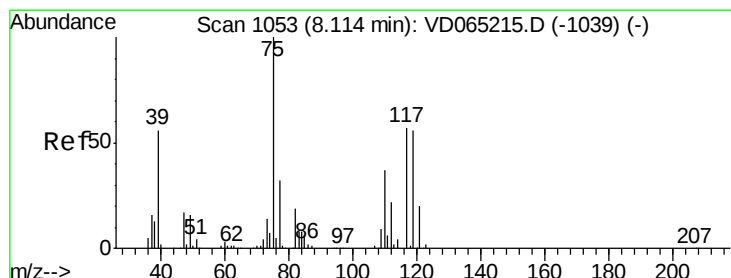
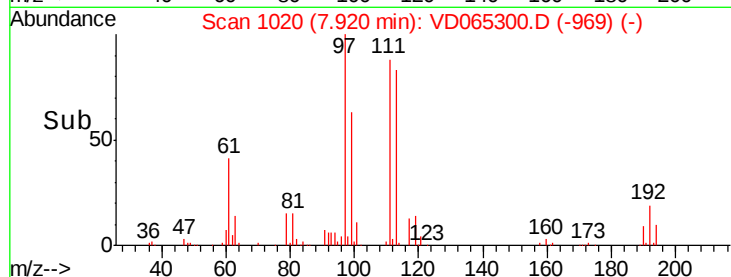
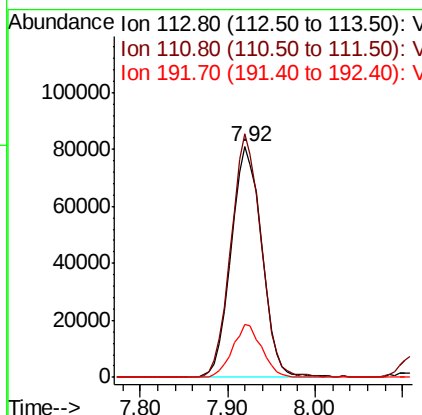
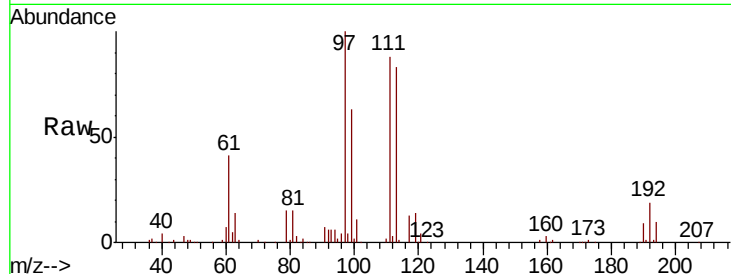




#35
 Dibromofluoromethane
 Concen: 52.967 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

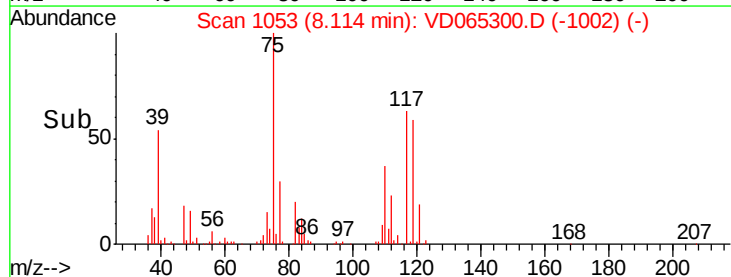
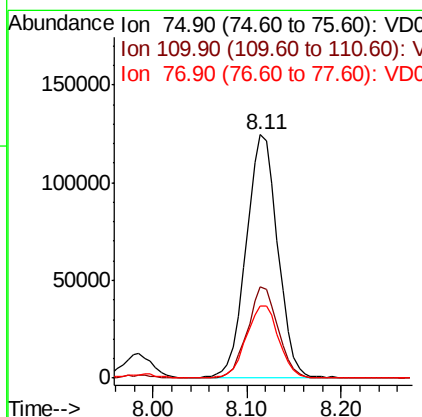
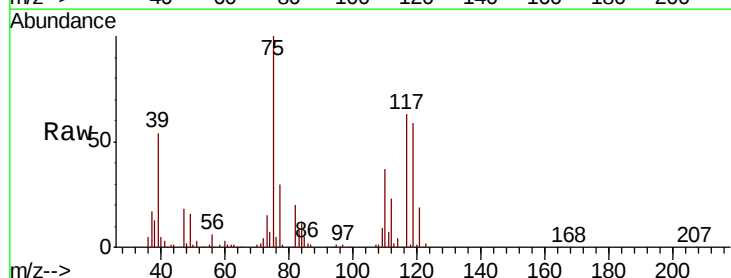
Instrument :
 MSVOA_D
 ClientSampled :

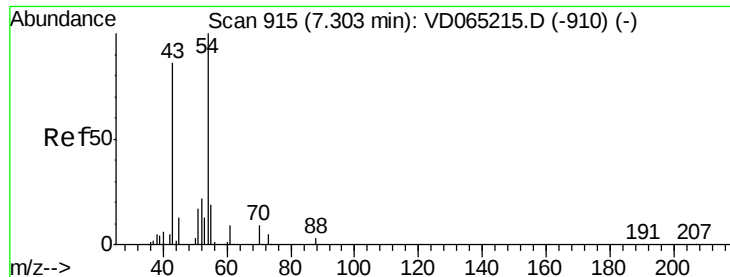
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	21.6	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 49.868 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	30.7	25.1	37.7

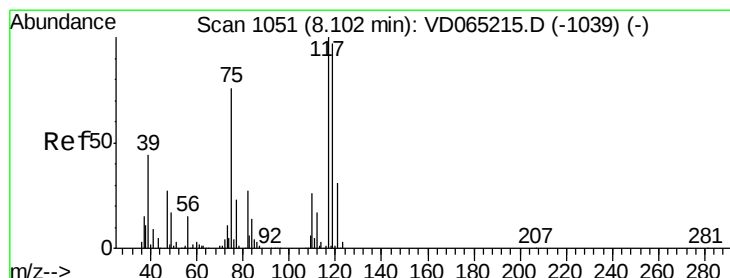
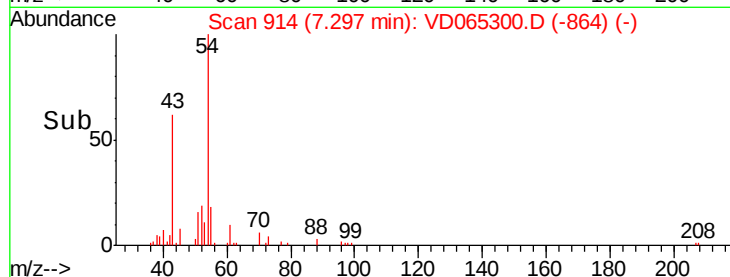
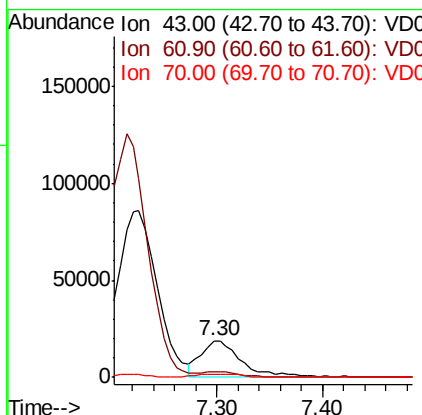
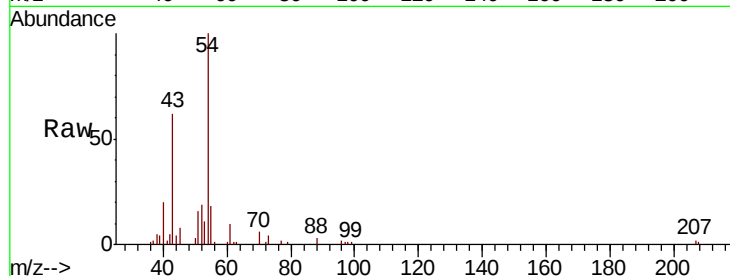




#37
Ethyl Acetate
Concen: 19.980 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

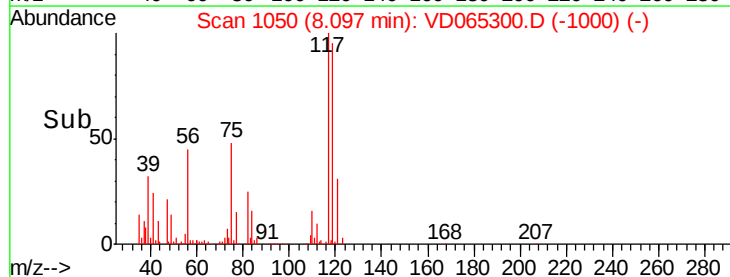
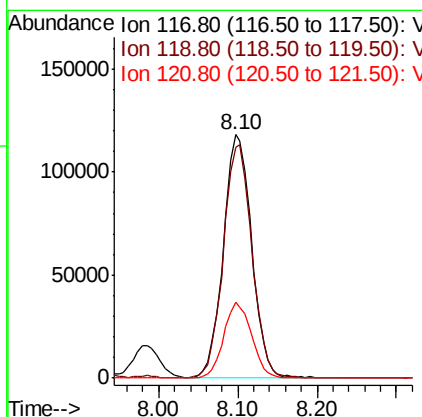
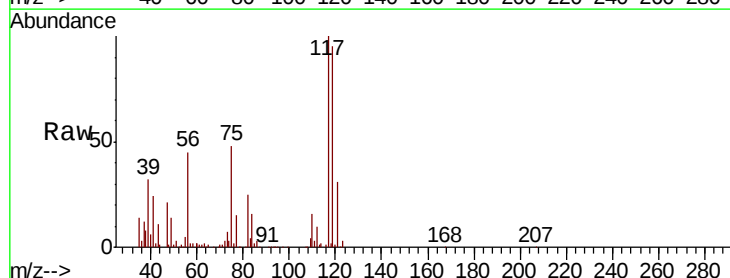
Instrument :
MSVOA_D
ClientSampleID :

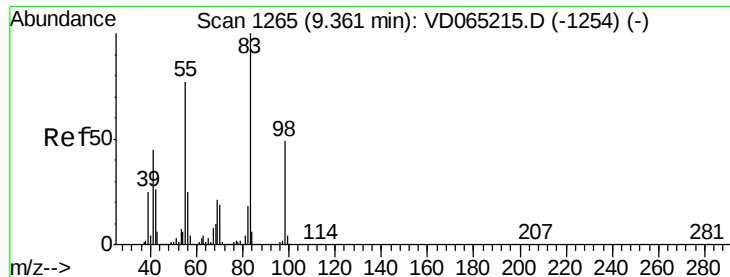
Tot Ion: 43 Resp: 48687
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 9.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 49.336 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 117 Resp: 292760
Ion Ratio Lower Upper
117 100
119 94.7 77.6 116.4
121 31.5 24.8 37.2

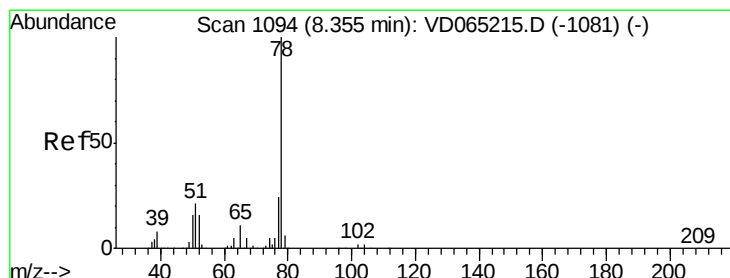
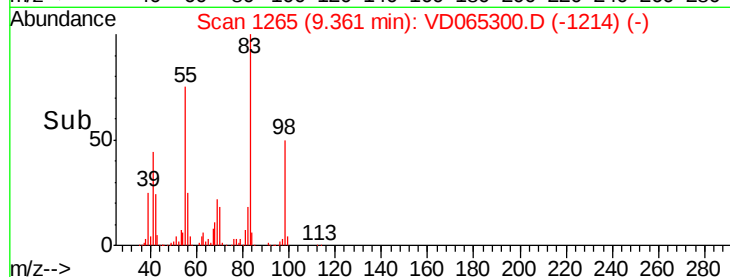
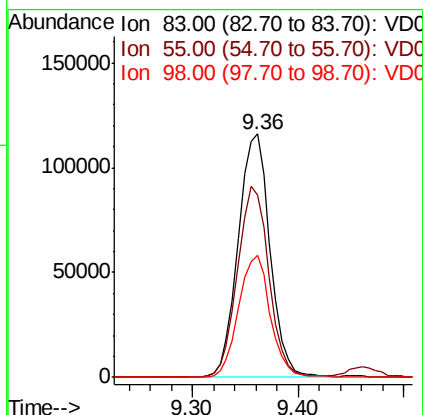
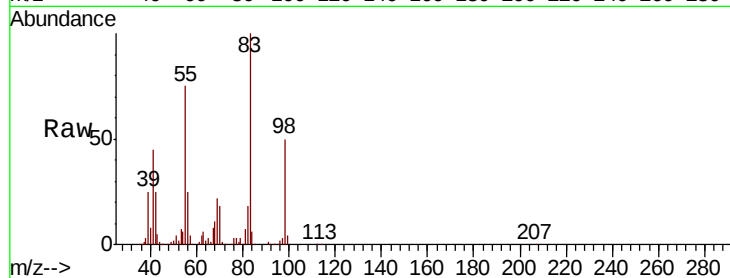




#39
Methvlcvclohexane
Concen: 35.507 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

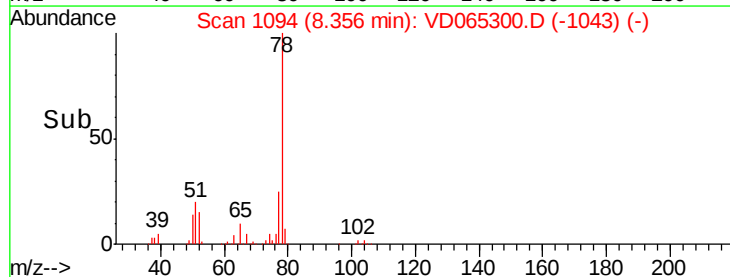
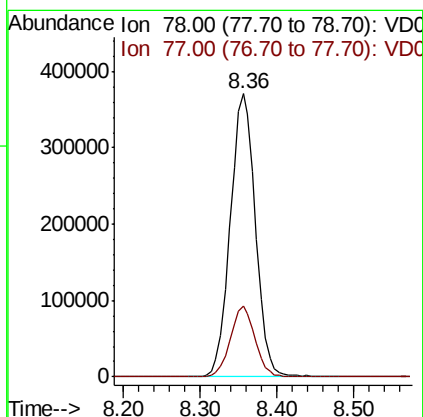
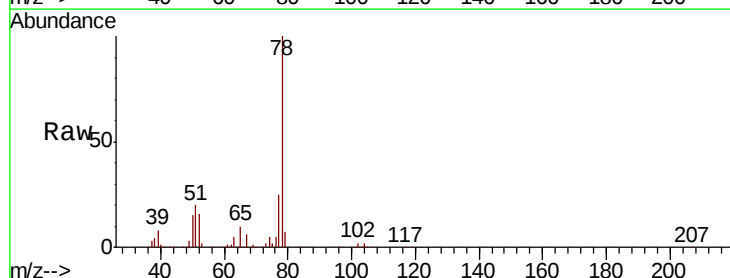
Instrument :
MSVOA_D
ClientSampleId :

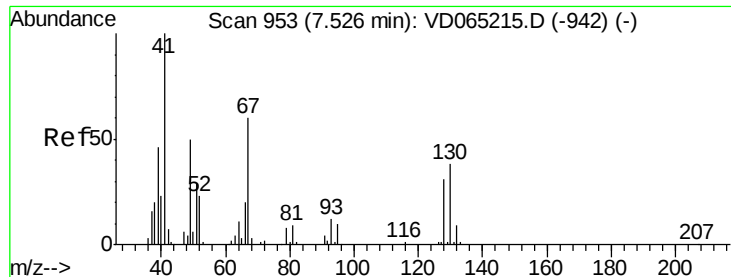
Tot Ion: 83 Resp: 243326
Ion Ratio Lower Upper
83 100
55 74.8 61.8 92.6
98 50.0 39.4 59.0



#40
Benzene
Concen: 51.380 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 78 Resp: 845358
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.6

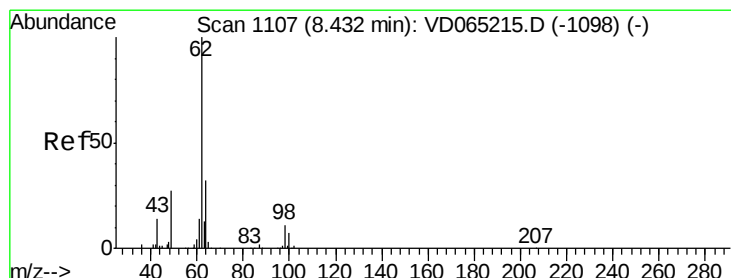
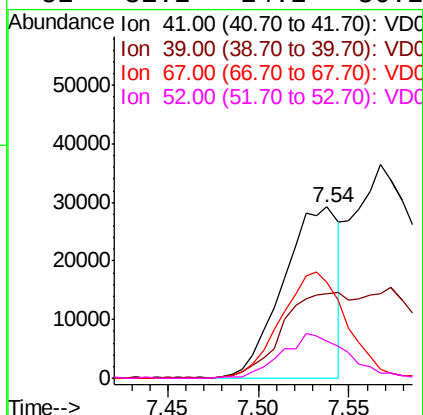
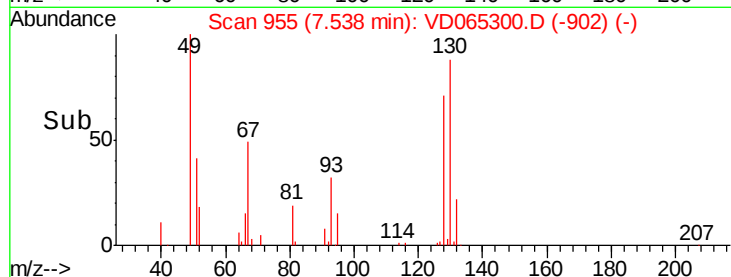
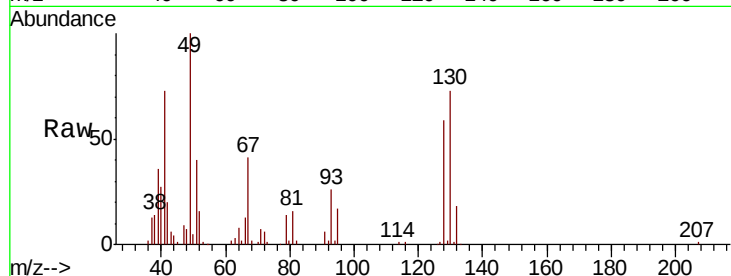




#41
Methacrylonitrile
Concen: 44.736 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

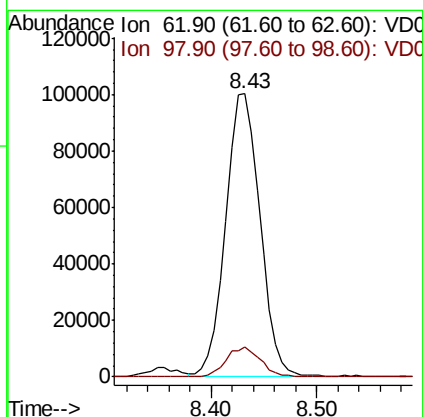
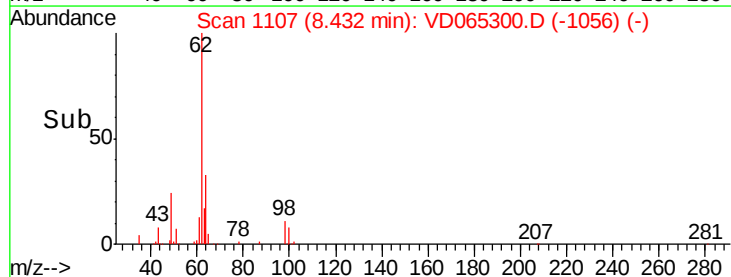
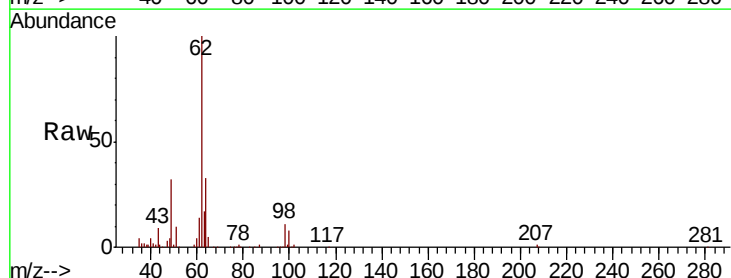
Instrument :
MSVOA_D
ClientSampled :

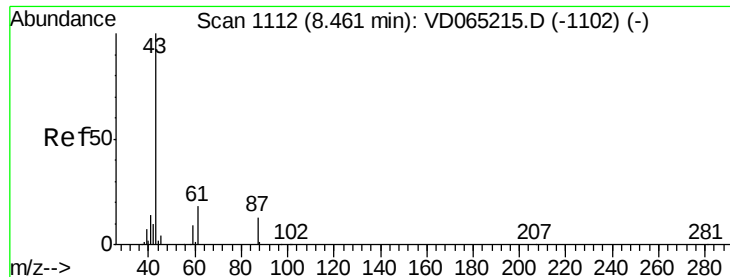
Tot Ion: 41 Resp: 62944
Ion Ratio Lower Upper
41 100
39 58.8 48.1 72.1
67 73.9 58.9 88.3
52 31.2 24.2 36.2



#42
1,2-Dichloroethane
Concen: 49.727 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 62 Resp: 224924
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 29.732 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

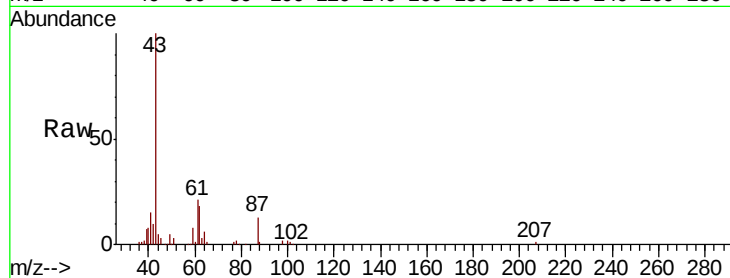
Tot Ion: 43 Resp: 131754

Ion Ratio Lower Upper

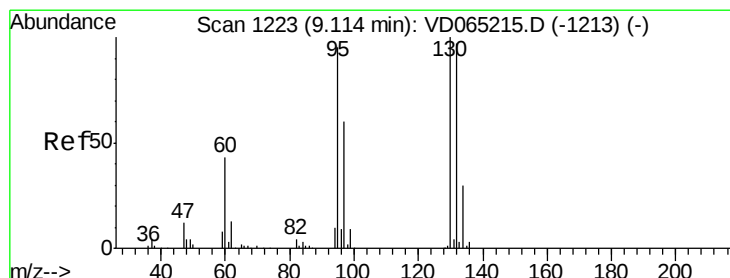
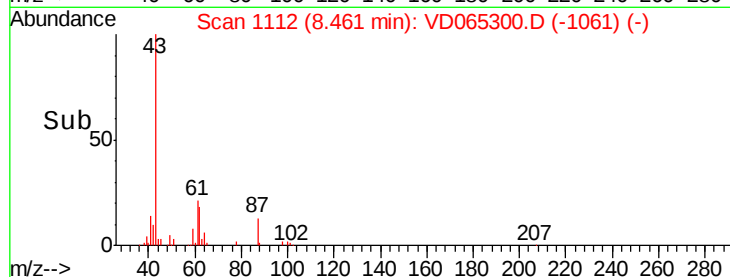
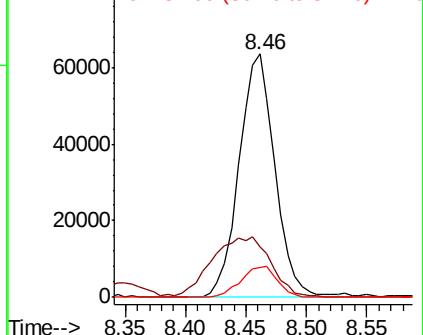
43 100

61 40.4 24.6 36.8#

87 13.0 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: 49.686 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065300.D

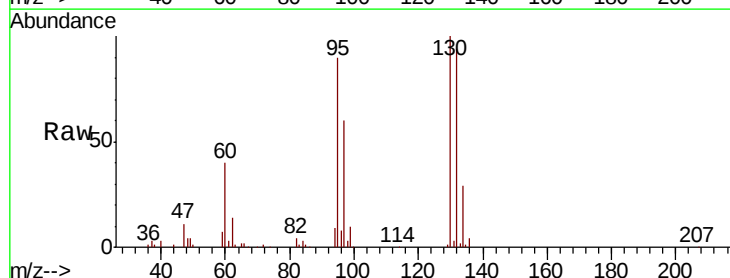
Acq: 24 Feb 2020 17:49

Tgt Ion:130 Resp: 226607

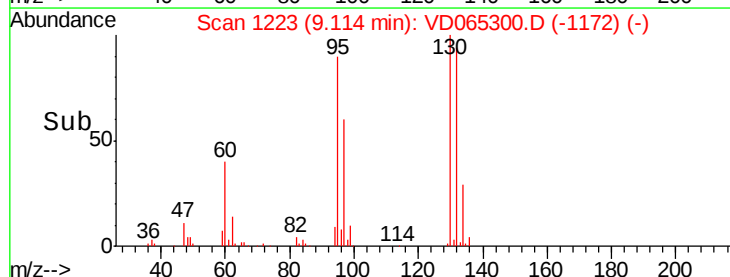
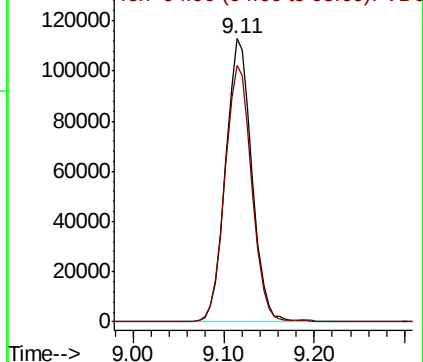
Ion Ratio Lower Upper

130 100

95 90.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.054 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

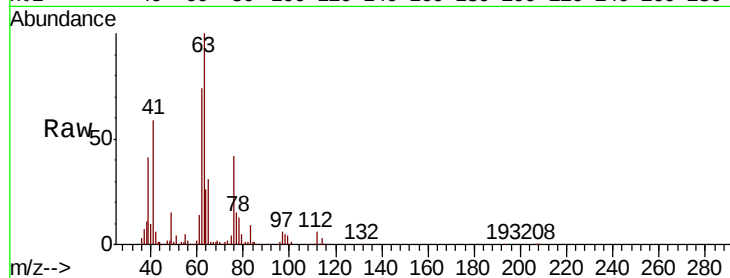
ClientSampleId :

Tot Ion: 63 Resp: 212965

Ion Ratio Lower Upper

63 100

65 31.2 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

40000

20000

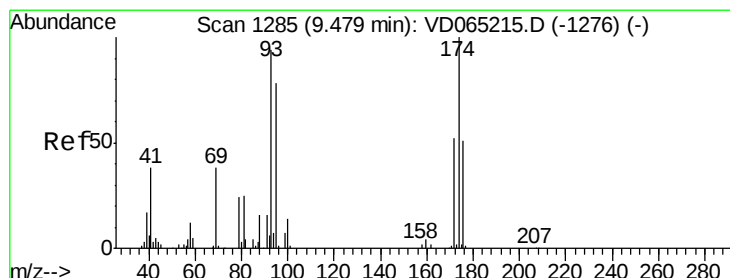
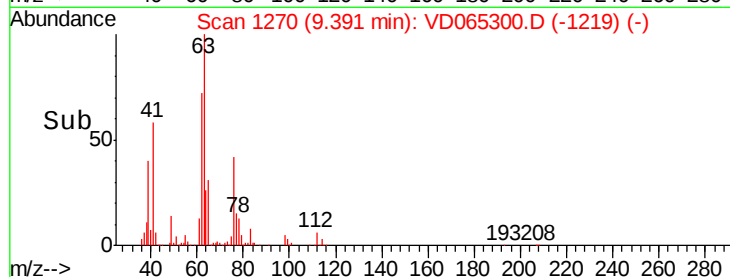
0

9.30

9.40

9.50

Time-->



#46

Dibromomethane

Concen: 50.612 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

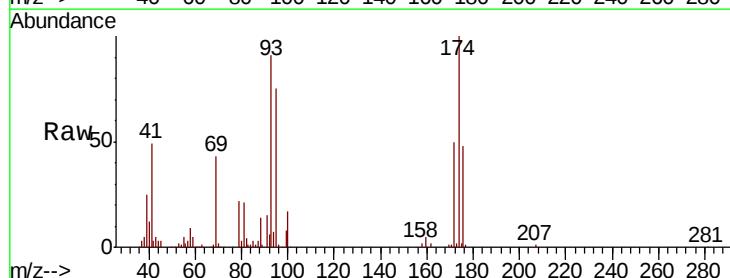
Tgt Ion: 93 Resp: 106538

Ion Ratio Lower Upper

93 100

95 83.2 65.8 98.6

174 111.1 86.8 130.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

40000

20000

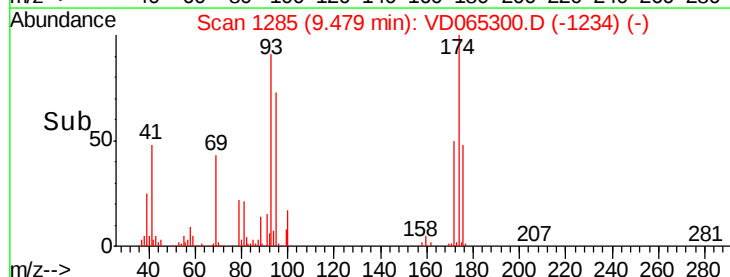
0

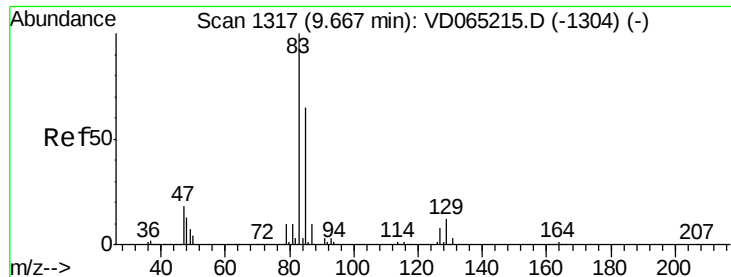
9.40

9.50

9.60

Time-->





#47

Bromodichloromethane

Concen: 50.708 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

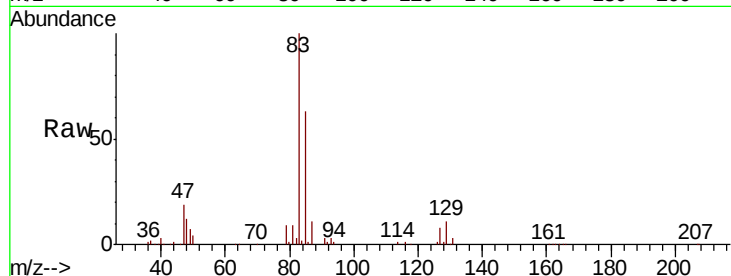
Tot Ion: 83 Resp: 281300

Ion Ratio Lower Upper

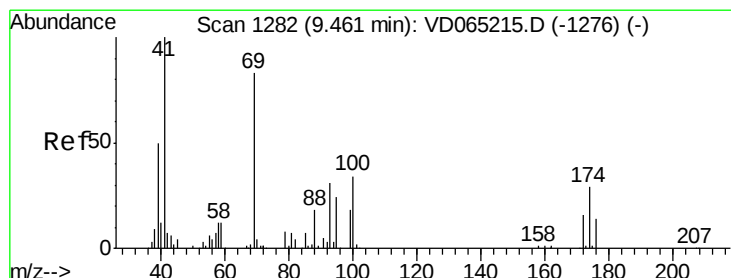
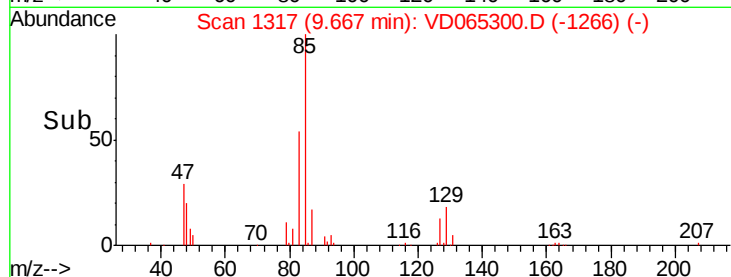
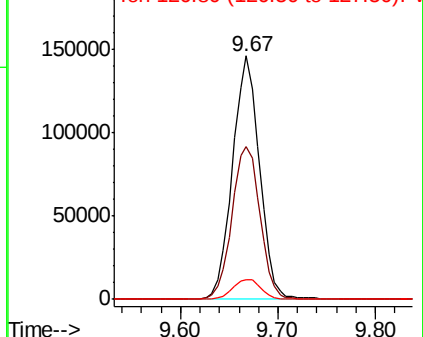
83 100

85 63.0 52.0 78.0

127 8.2 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: 72.774 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

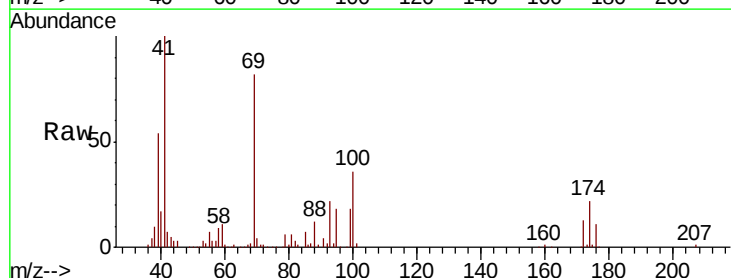
Tgt Ion: 41 Resp: 149061

Ion Ratio Lower Upper

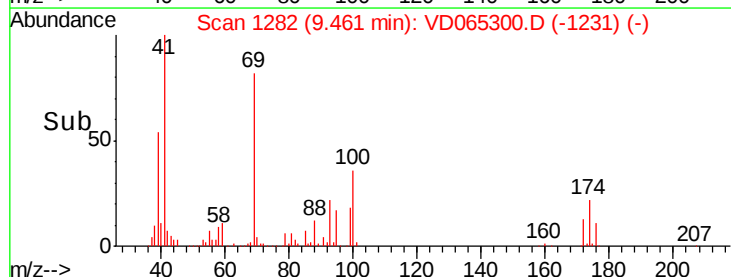
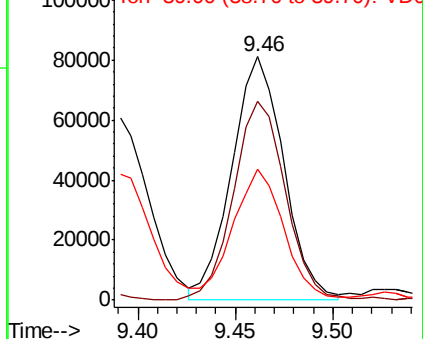
41 100

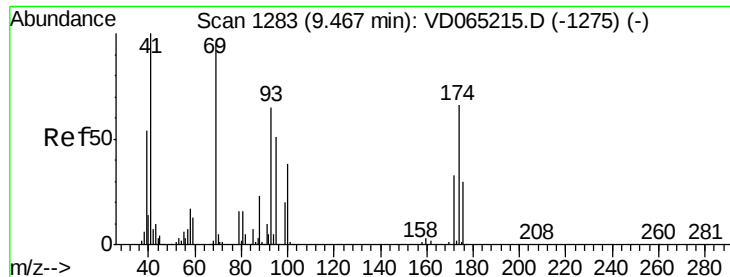
69 82.0 68.2 102.2

39 52.6 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

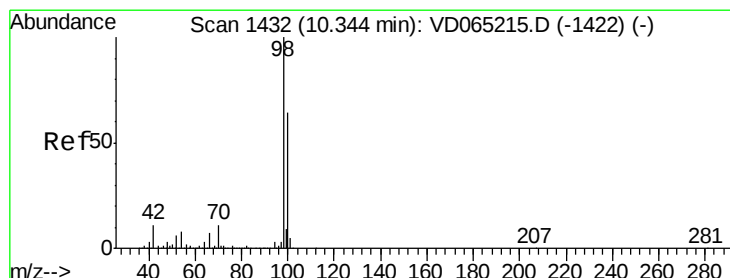
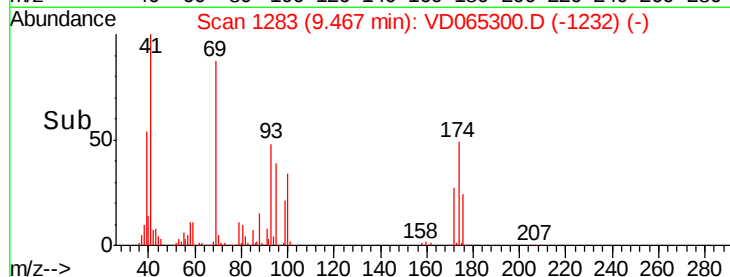
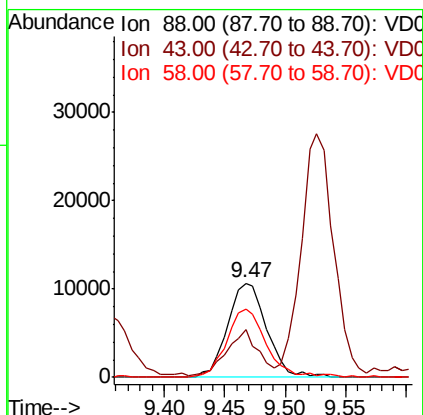
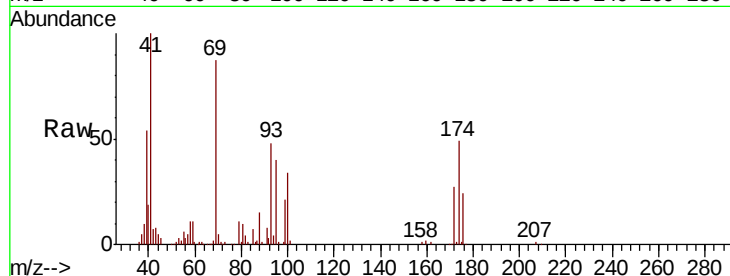




#49
1,4-Dioxane
Concen: 972.674 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

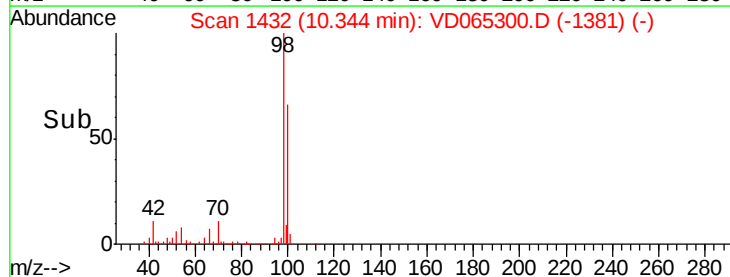
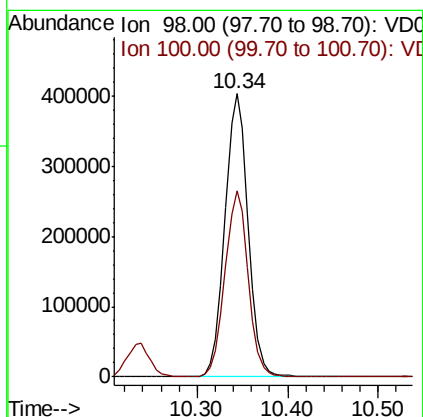
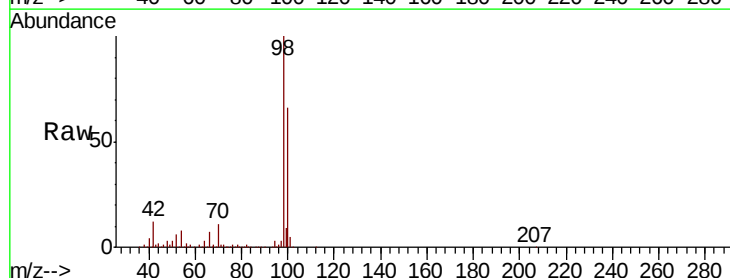
Instrument :
MSVOA_D
ClientSampleId :

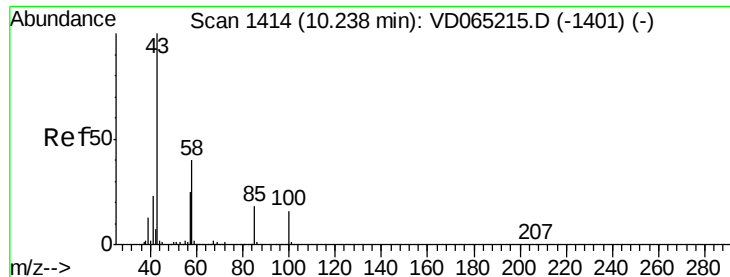
Tot Ion: 88 Resp: 24014
Ion Ratio Lower Upper
88 100
43 38.5 28.5 42.7
58 71.2 58.6 87.8



#50
Toluene-d8
Concen: 51.178 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 98 Resp: 714681
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 241.834 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

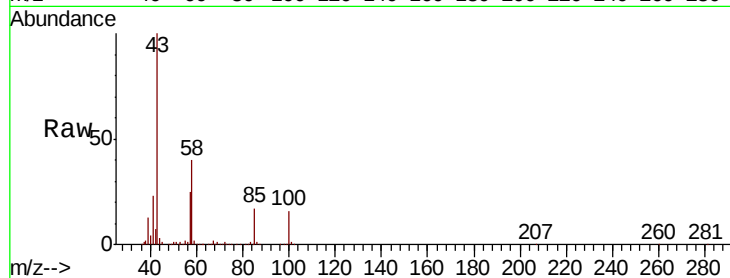
ClientSampleId :

Tot Ion: 43 Resp: 544300

Ion Ratio Lower Upper

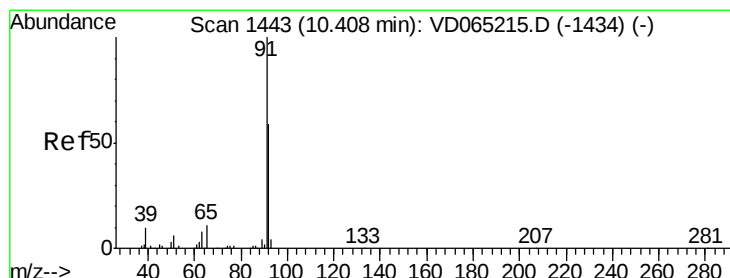
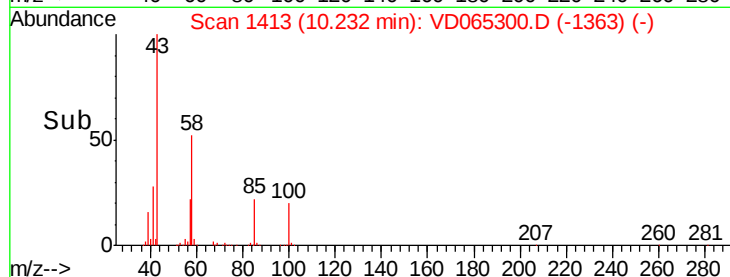
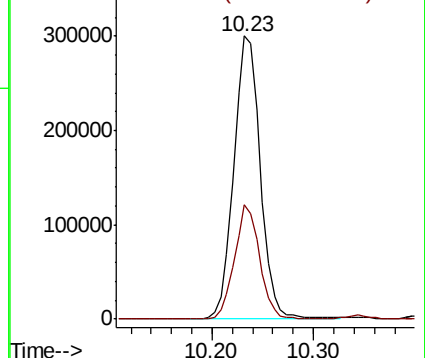
43 100

58 38.3 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.247 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065300.D

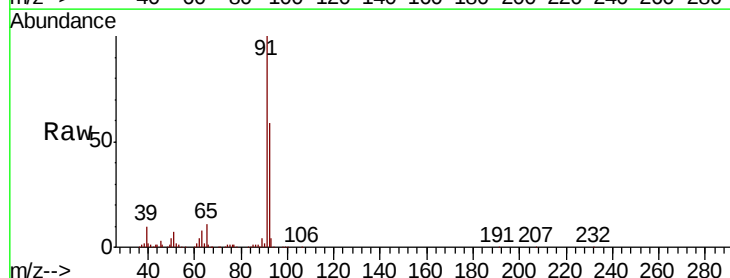
Acq: 24 Feb 2020 17:49

Tgt Ion: 92 Resp: 521908

Ion Ratio Lower Upper

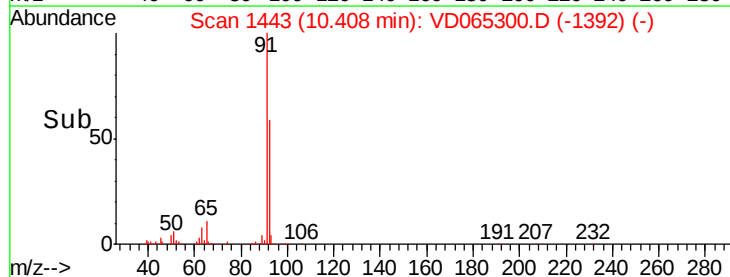
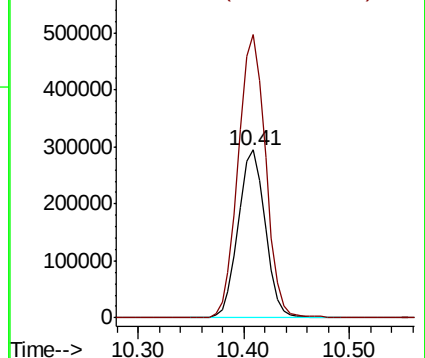
92 100

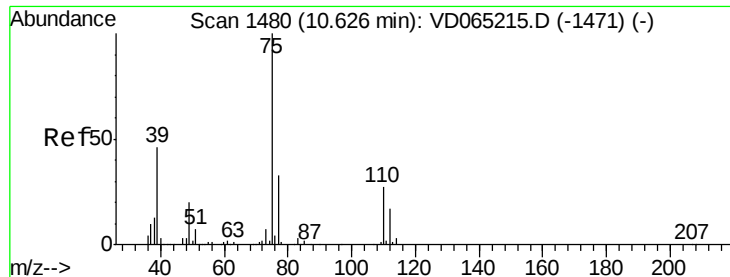
91 171.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

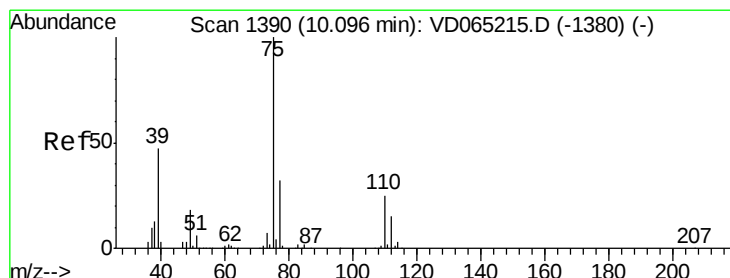
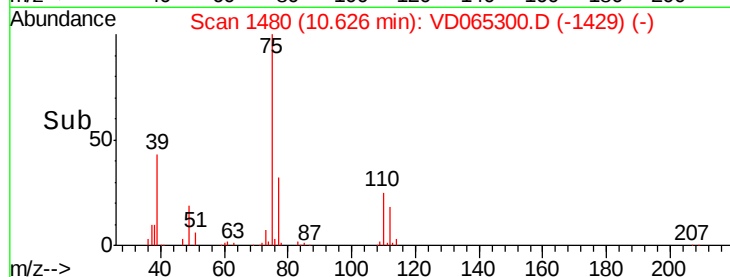
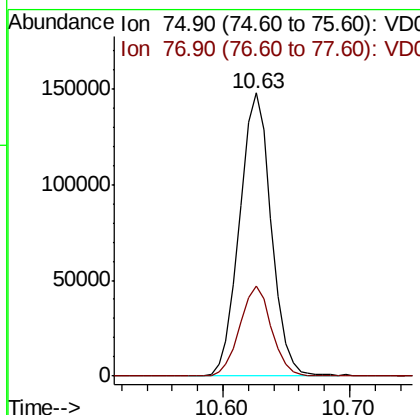
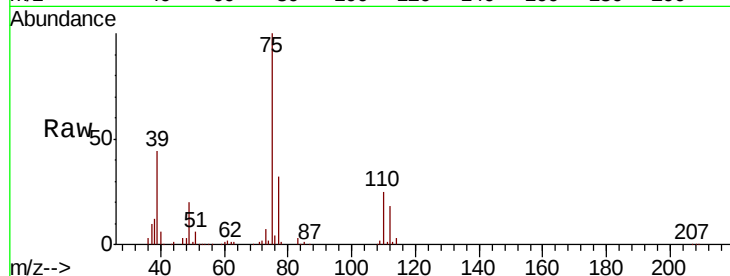




#53
t-1,3-Dichloropropene
Concen: 49.880 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

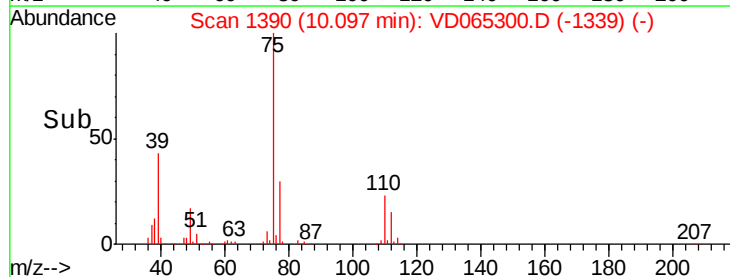
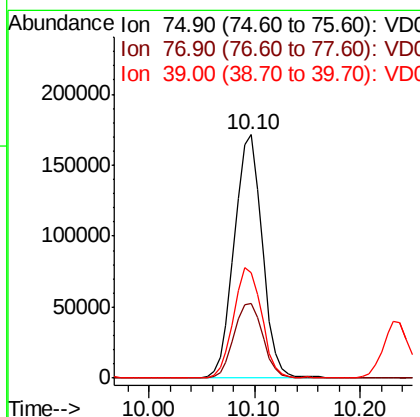
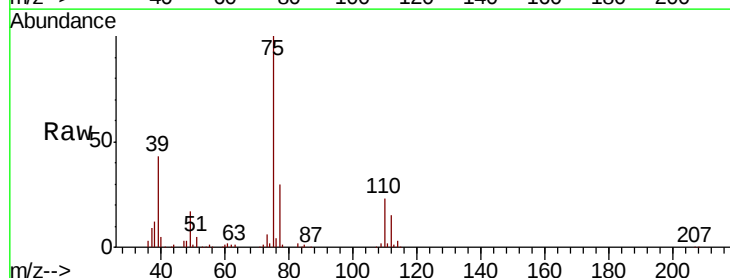
Instrument :
MSVOA_D
ClientSampleId :

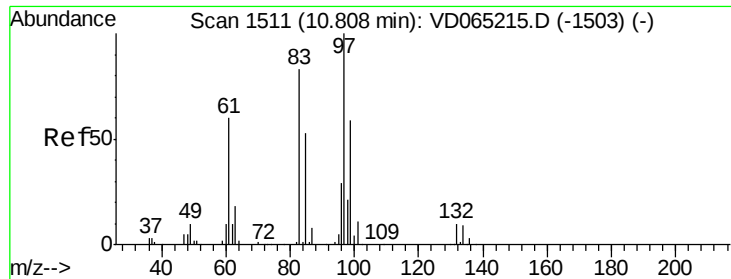
Tot Ion: 75 Resp: 256485
Ion Ratio Lower Upper
75 100
77 31.8 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 50.719 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 75 Resp: 314926
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8
39 43.2 37.3 55.9

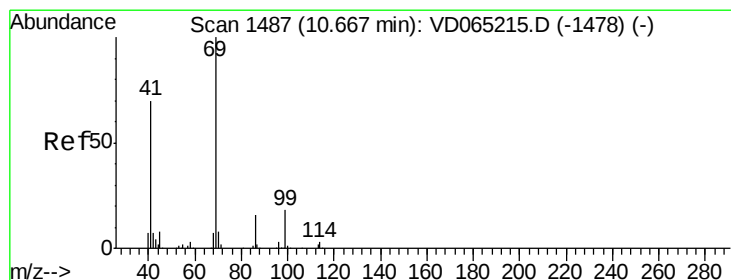
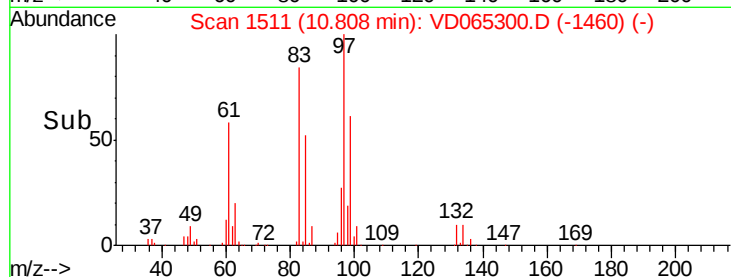
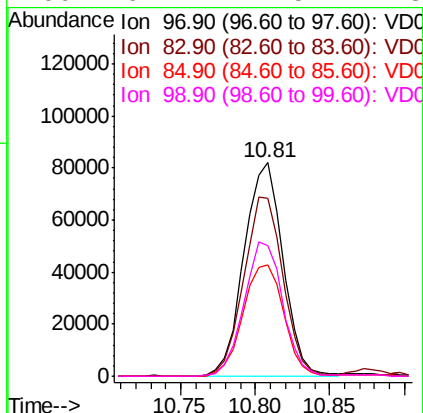
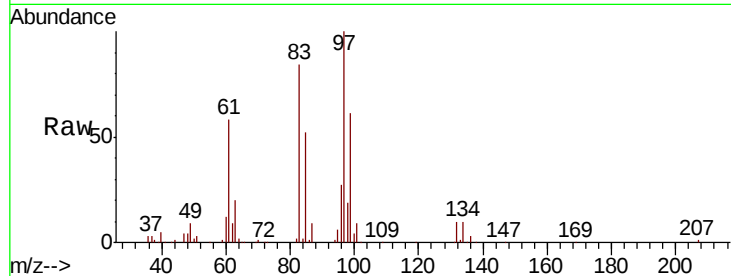




#55
 1,1,2-Trichloroethane
 Concen: 50.041 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

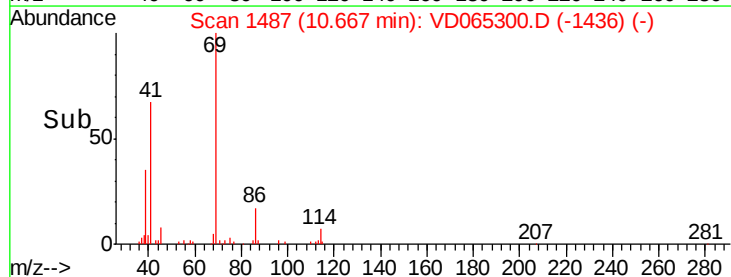
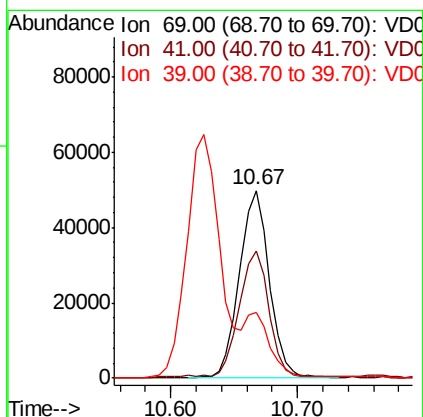
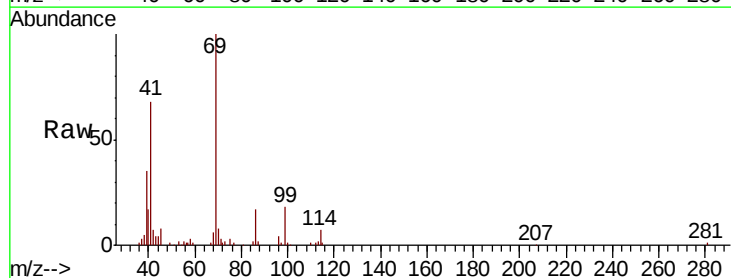
Instrument :
 MSVOA_D
 ClientSampleId :

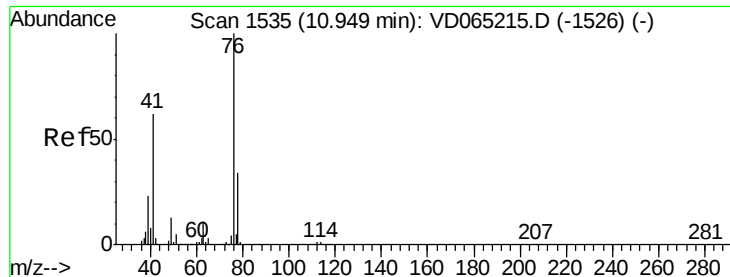
Tot Ion:	97	Resp:	148263
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.7	100.1
85	52.4	42.4	63.6
99	61.2	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 23.959 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion:	69	Resp:	81934
Ion	Ratio	Lower	Upper
69	100		
41	69.5	54.6	81.8
39	27.0	26.5	39.7





#57

1,3-Dichloropropane

Concen: 50.345 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

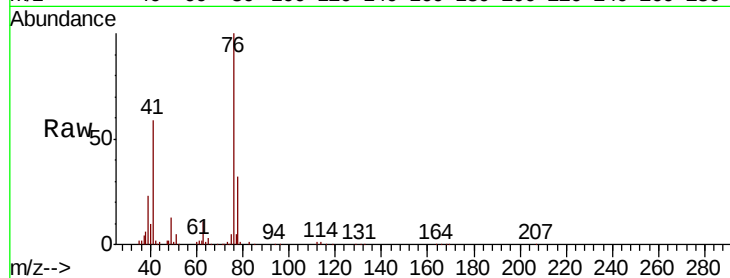
ClientSampleId :

Tot Ion: 76 Resp: 253873

Ion Ratio Lower Upper

76 100

78 32.2 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

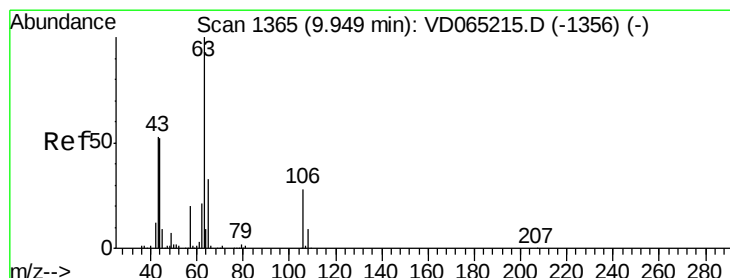
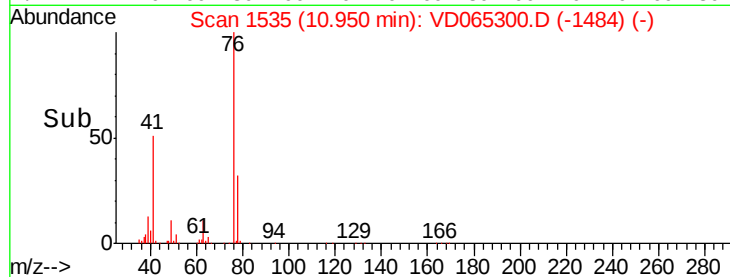
100000

50000

0

Time-->

10.90 11.00 11.10



#58

2-Chloroethyl Vinyl ether

Concen: 225.791 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065300.D

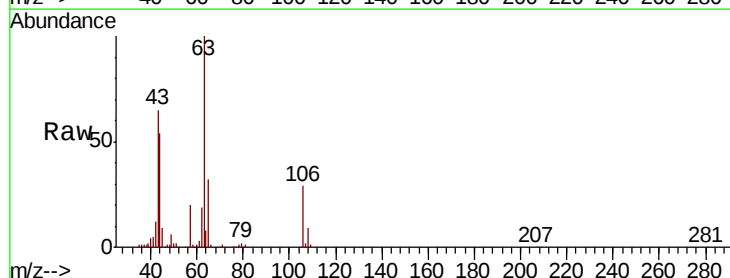
Acq: 24 Feb 2020 17:49

Tgt Ion: 63 Resp: 243436

Ion Ratio Lower Upper

63 100

106 29.9 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

150000

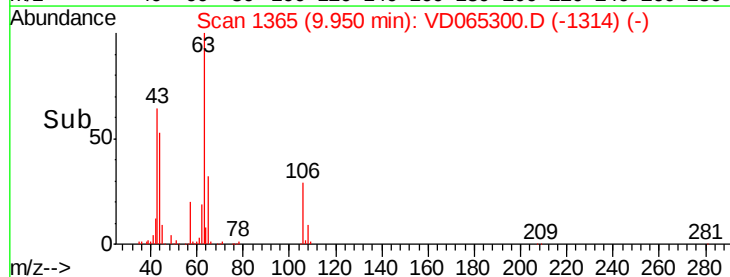
100000

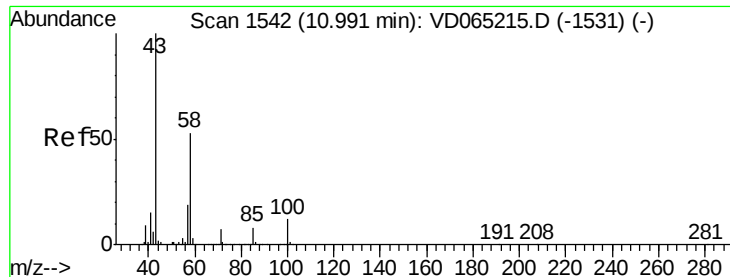
50000

0

Time-->

9.90 10.00

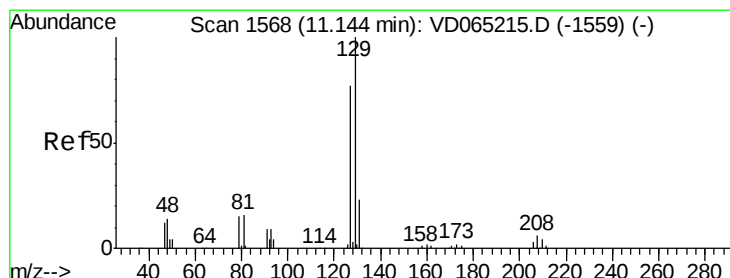
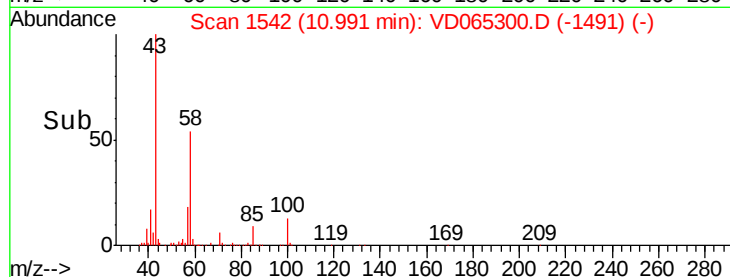
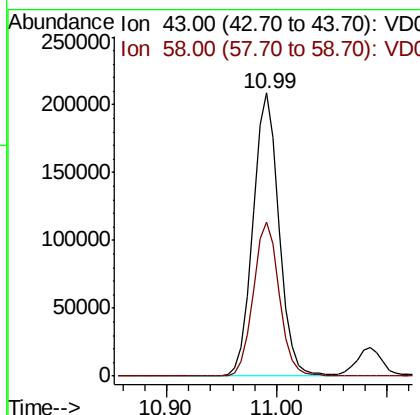
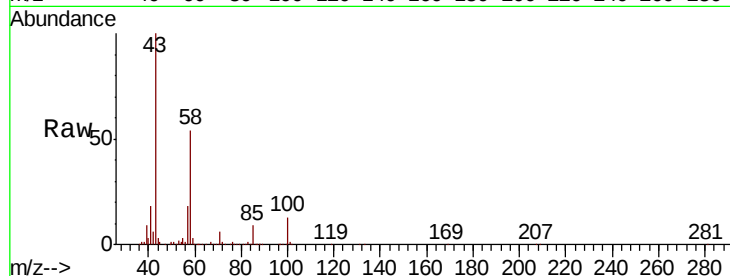




#59
2-Hexanone
Concen: 214.884 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

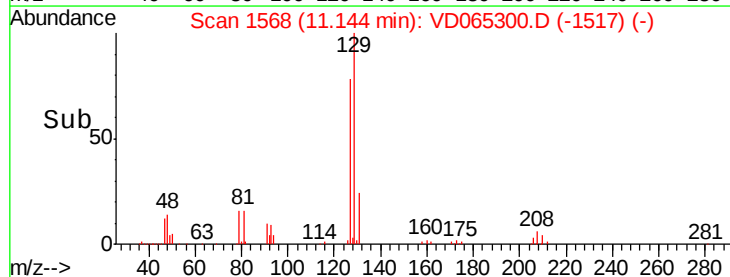
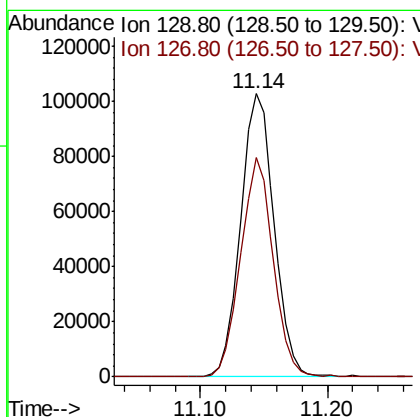
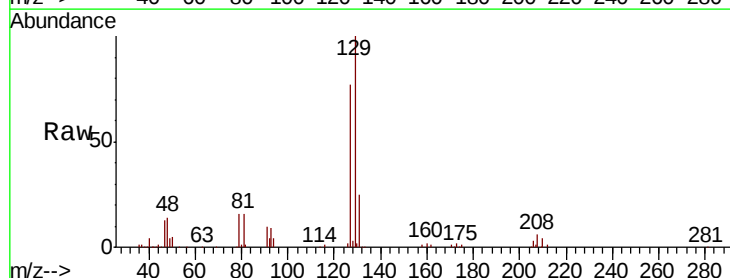
Instrument :
MSVOA_D
ClientSampleId :

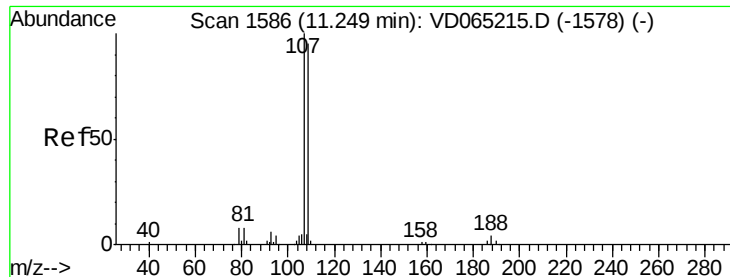
Tot Ion: 43 Resp: 346211
Ion Ratio Lower Upper
43 100
58 54.3 26.3 78.8



#60
Dibromochloromethane
Concen: 49.675 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 129 Resp: 188377
Ion Ratio Lower Upper
129 100
127 75.6 38.7 116.1

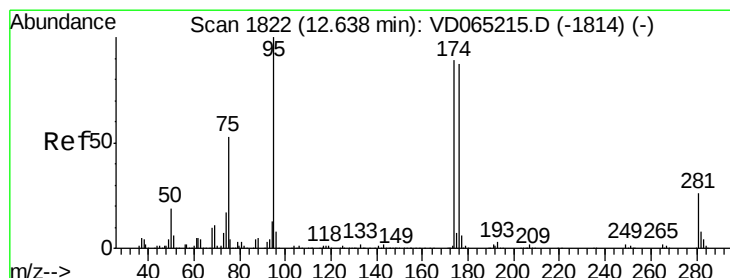
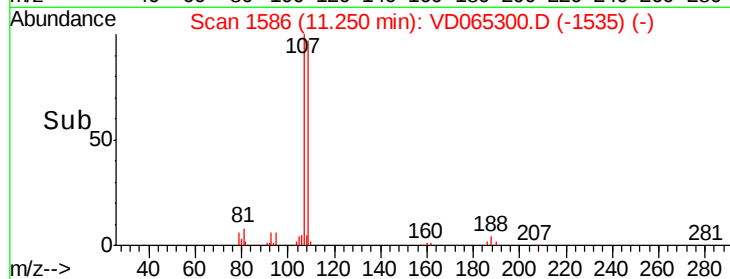
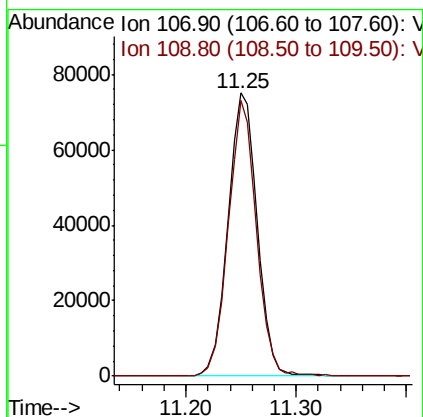
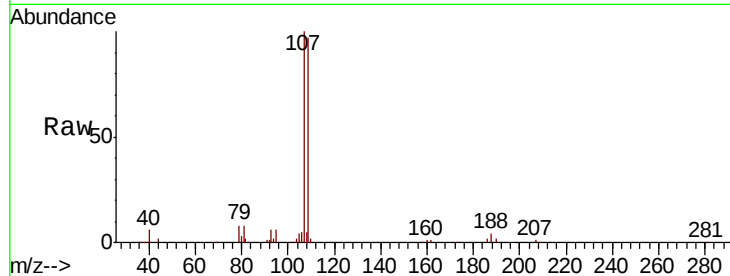




#61
1,2-Dibromoethane
Concen: 49.442 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

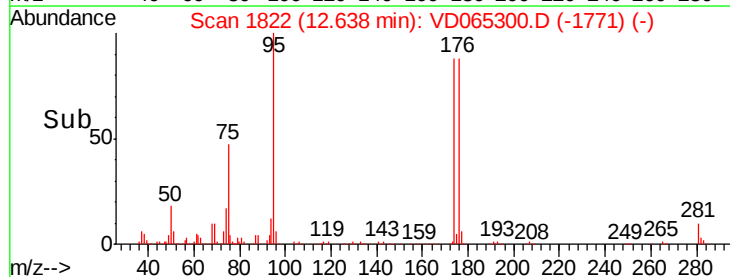
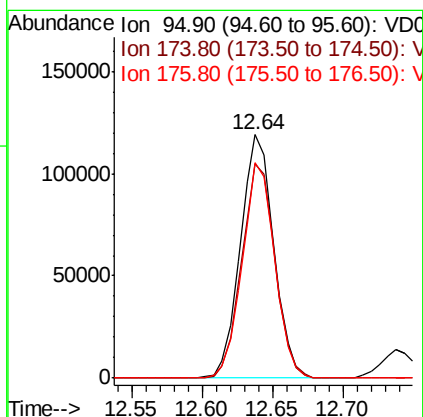
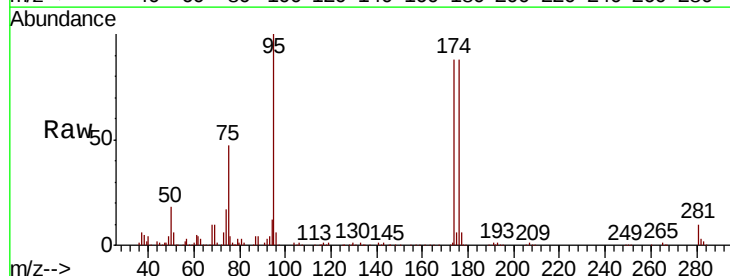
Instrument :
MSVOA_D
ClientSampleId :

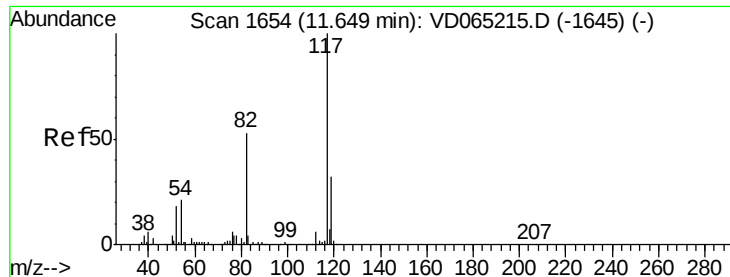
Tot Ion:107 Resp: 138696
Ion Ratio Lower Upper
107 100
109 93.8 76.2 114.4



#62
4-Bromofluorobenzene
Concen: 44.414 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 95 Resp: 196479
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.0
176 86.4 0.0 174.4

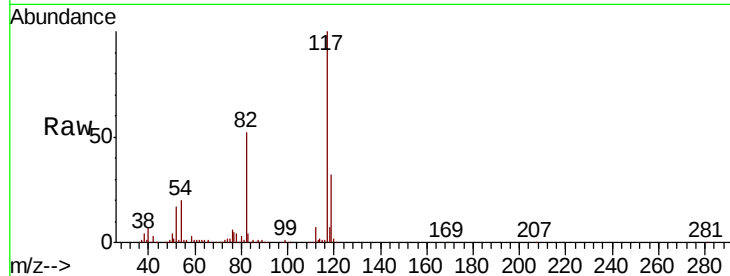




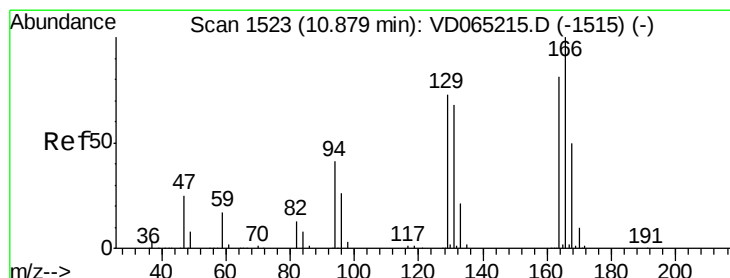
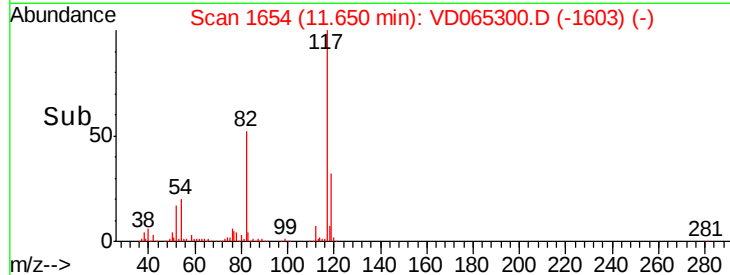
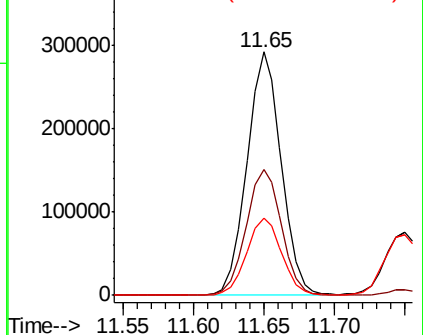
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 497158
Ion Ratio Lower Upper
117 100
82 51.8 42.7 64.1
119 31.9 25.5 38.3

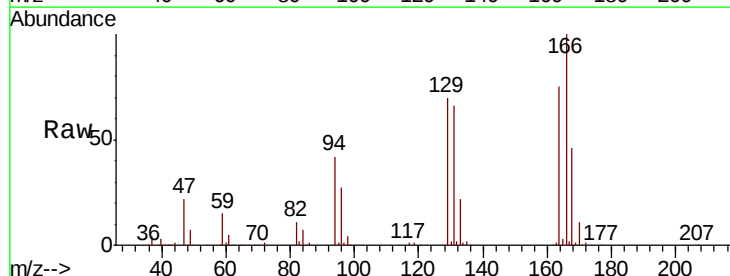


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

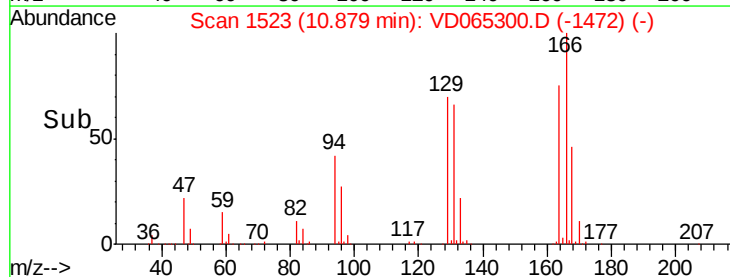
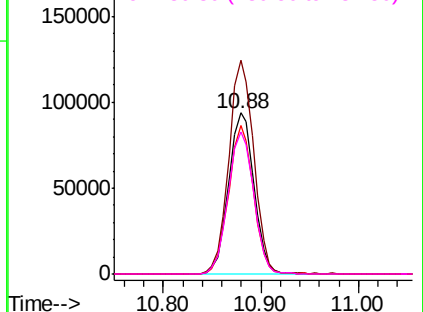


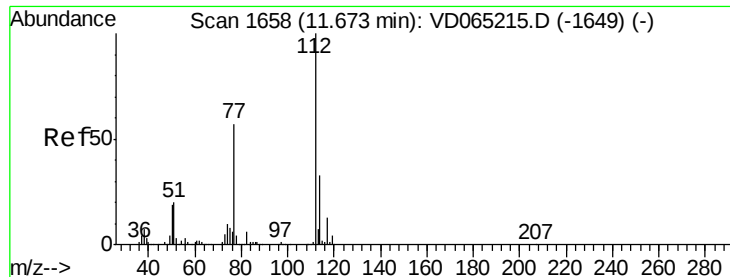
#64
Tetrachloroethene
Concen: 48.270 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion:164 Resp: 170201
Ion Ratio Lower Upper
164 100
166 132.9 98.4 147.6
129 92.4 71.6 107.4
131 88.3 67.3 100.9



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

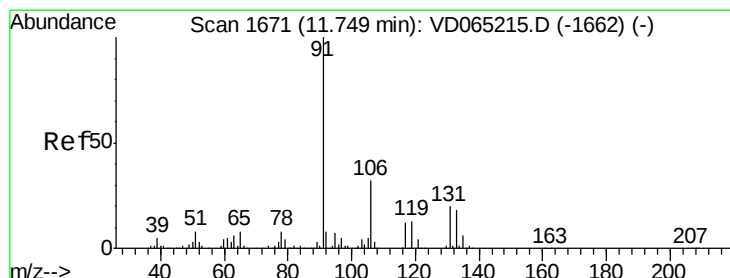
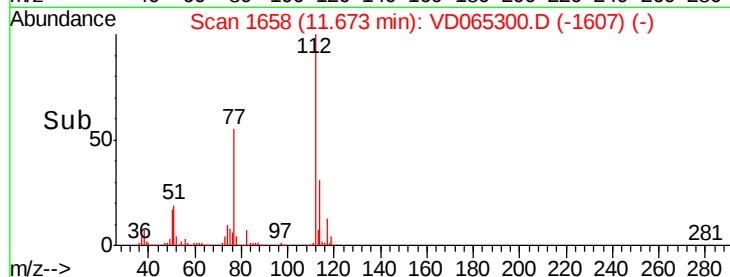
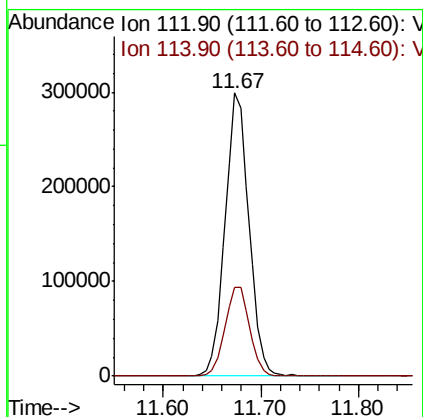
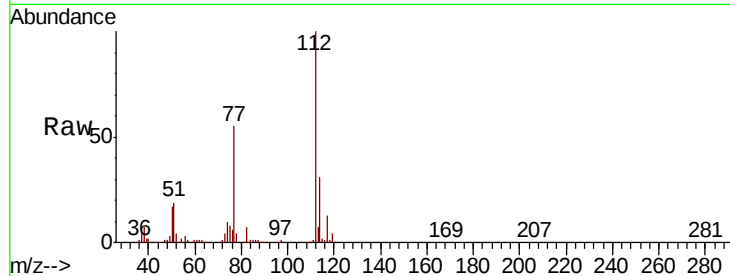




#65
Chlorobenzene
Concen: 50.849 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

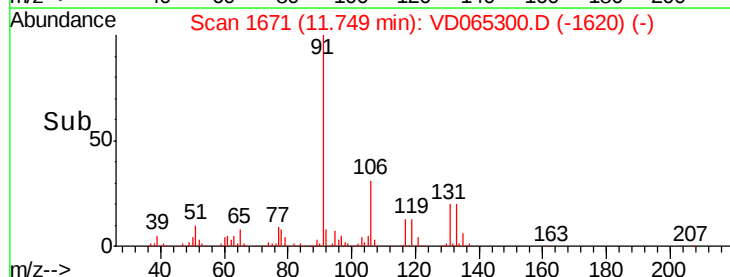
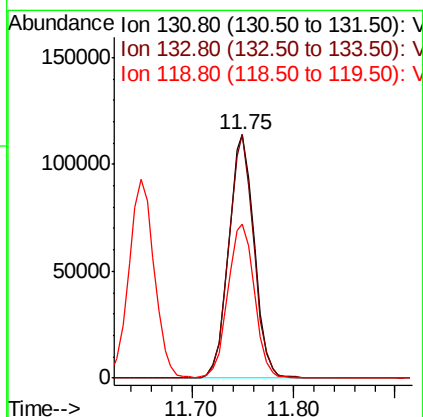
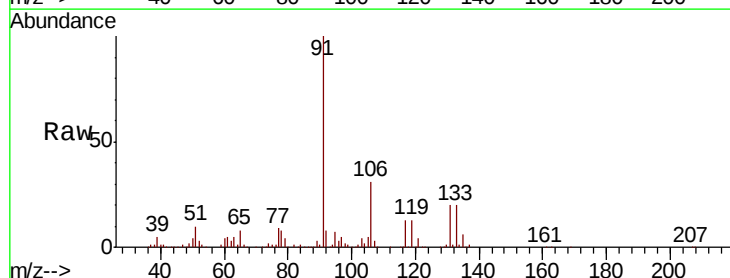
Instrument :
MSVOA_D
ClientSampleId :

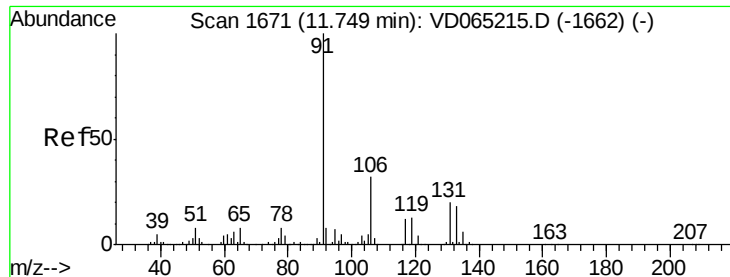
Tot Ion:112 Resp: 507310
Ion Ratio Lower Upper
112 100
114 31.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.346 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion:131 Resp: 198608
Ion Ratio Lower Upper
131 100
133 97.8 47.7 143.1
119 65.6 32.7 98.1

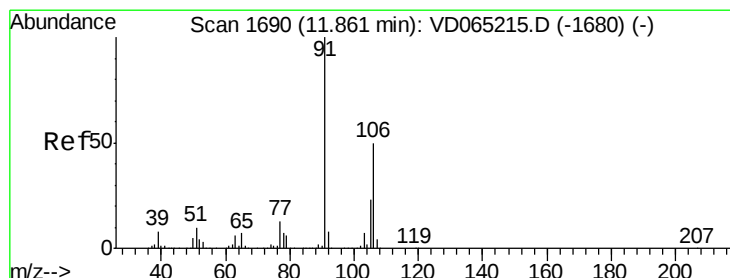
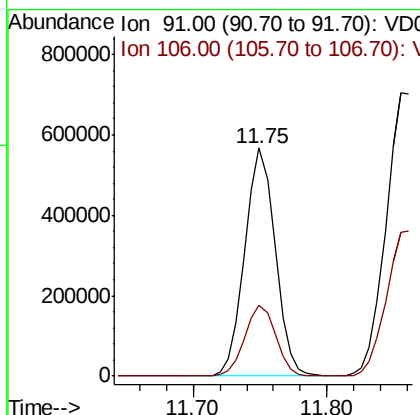
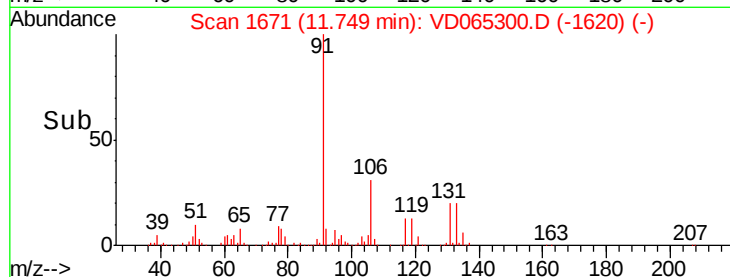
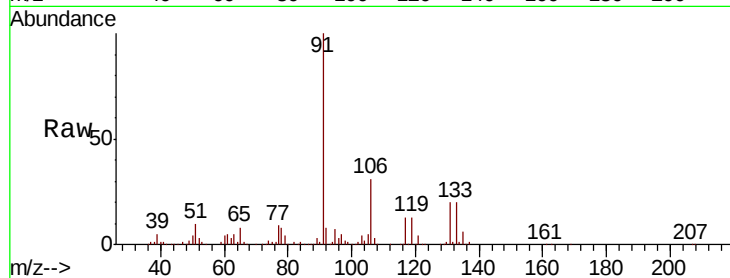




#67
Ethyl Benzene
Concen: 51.470 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

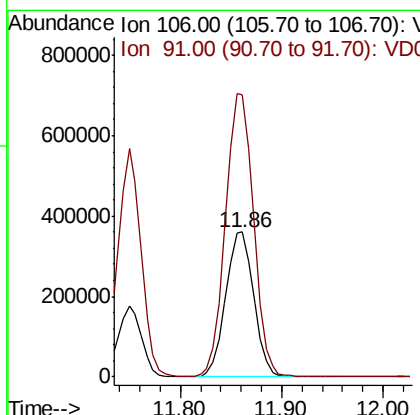
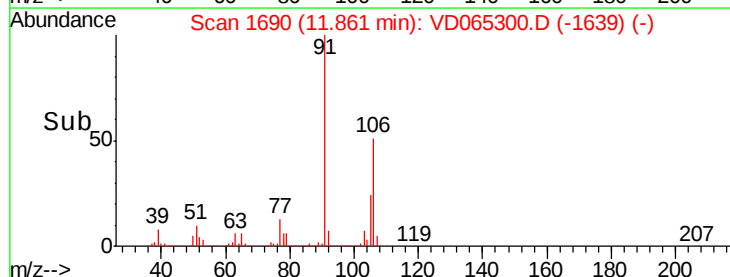
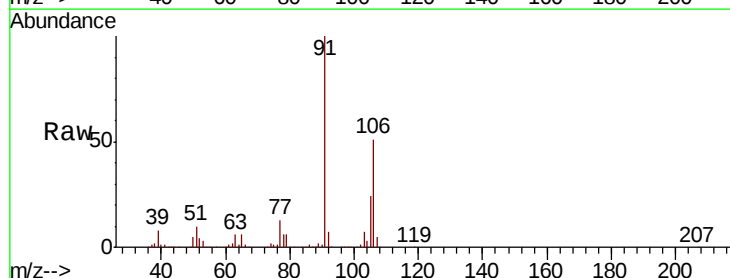
Instrument :
MSVOA_D
ClientSampled :

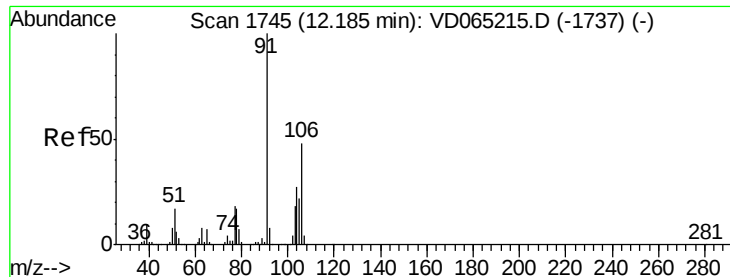
Tot Ion: 91 Resp: 899352
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



#68
m/p-Xylenes
Concen: 102.995 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 106 Resp: 688530
Ion Ratio Lower Upper
106 100
91 197.1 158.2 237.4

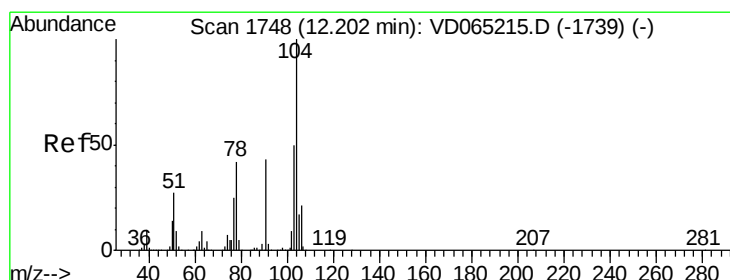
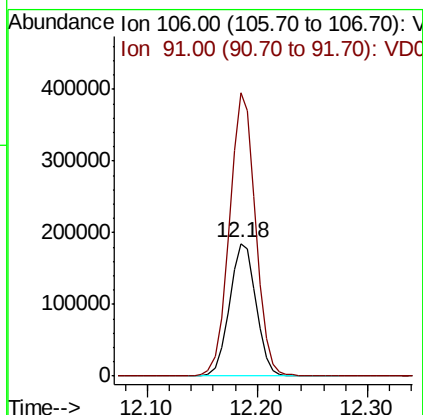
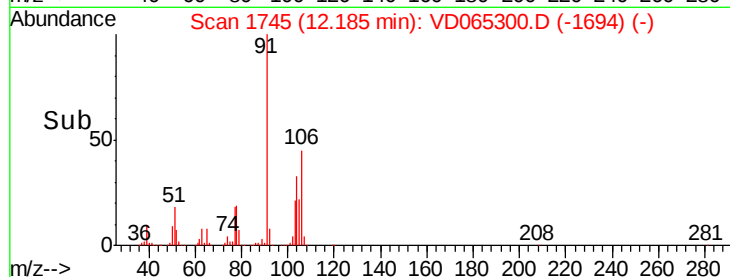
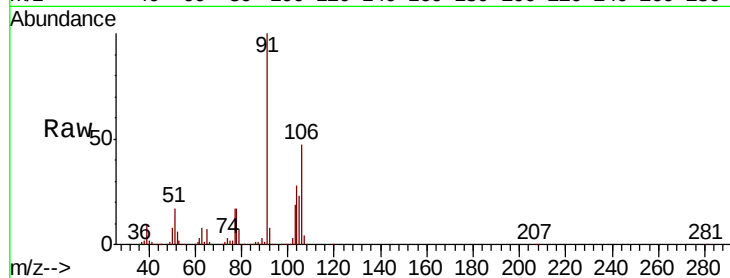




#69
o-Xylene
Concen: 52.774 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

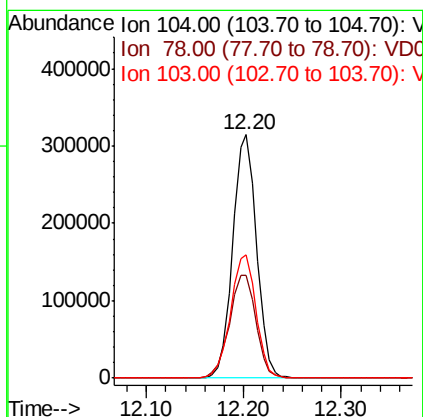
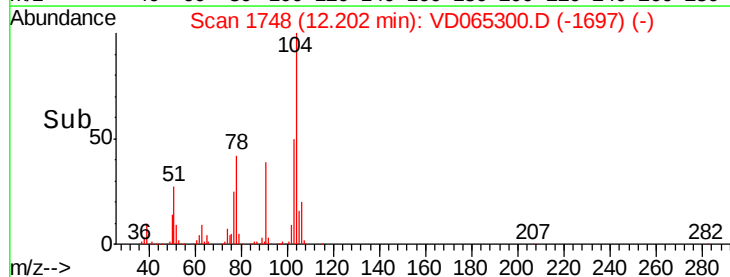
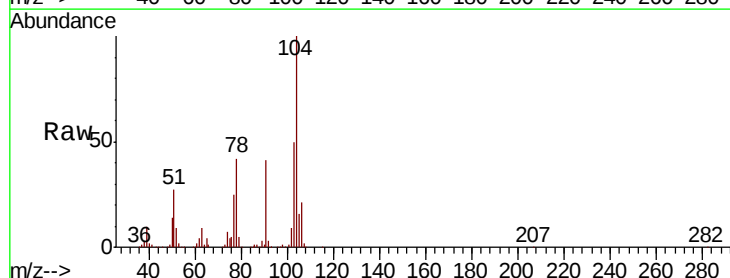
Instrument :
MSVOA_D
ClientSampled :

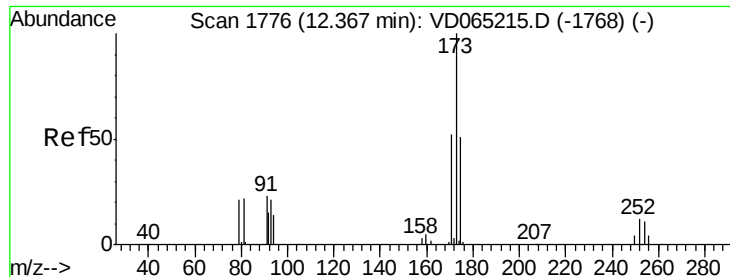
Tot Ion:106 Resp: 312561
Ion Ratio Lower Upper
106 100
91 209.4 104.7 313.9



#70
Styrene
Concen: 50.618 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion:104 Resp: 532272
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 54.3 43.4 65.2





#71

Bromoform

Concen: 49.763 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

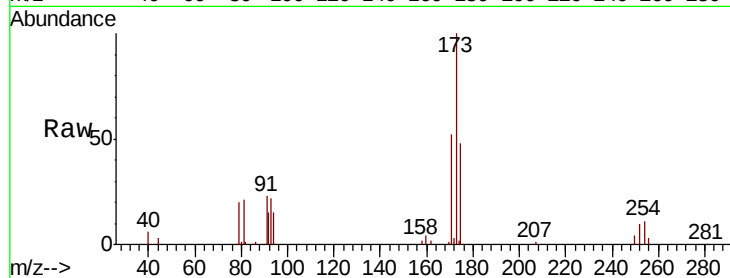
Tot Ion:173 Resp: 102807

Ion Ratio Lower Upper

173 100

175 50.3 24.4 73.4

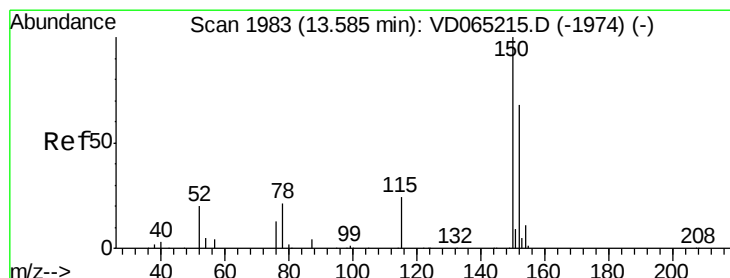
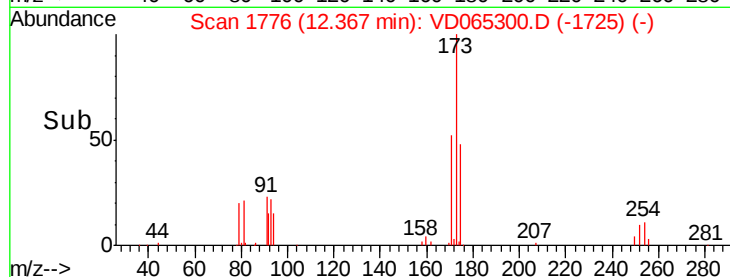
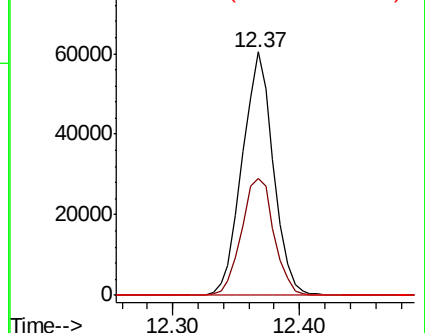
254 0.0 0.0 0.0



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: VD065300.D

Acq: 24 Feb 2020 17:49

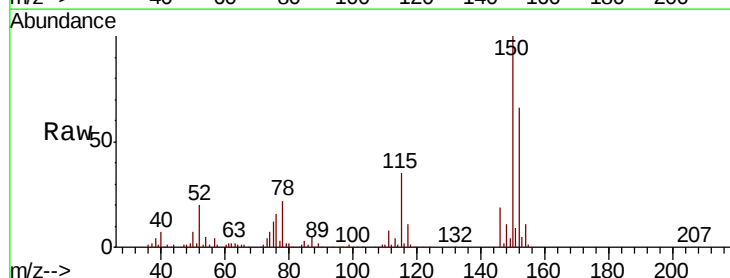
Tgt Ion:152 Resp: 196108

Ion Ratio Lower Upper

152 100

115 54.3 27.6 82.8

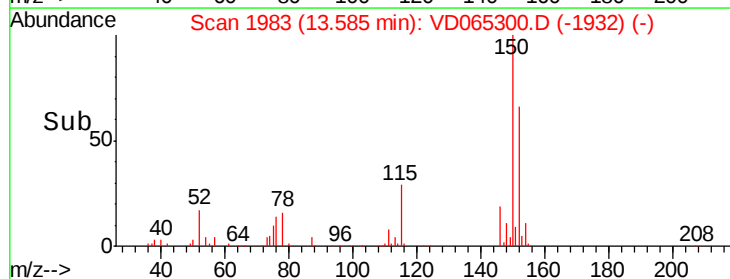
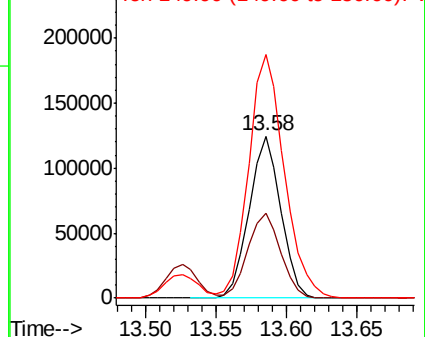
150 169.2 0.0 347.4

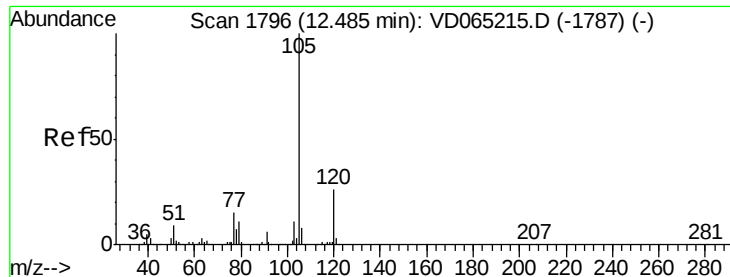


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.167 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

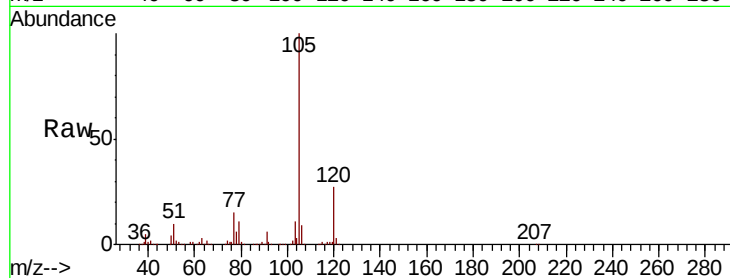
ClientSampled :

Tot Ion:105 Resp: 755198

Ion Ratio Lower Upper

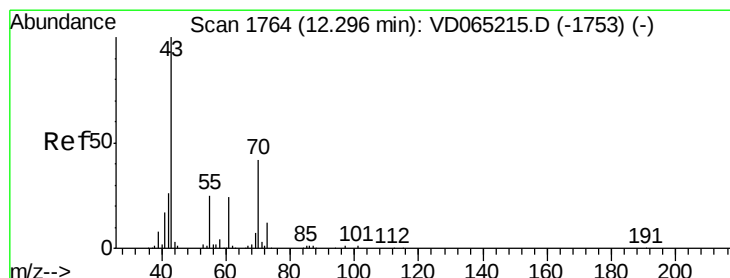
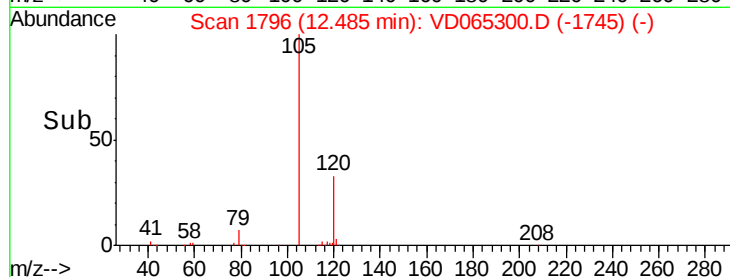
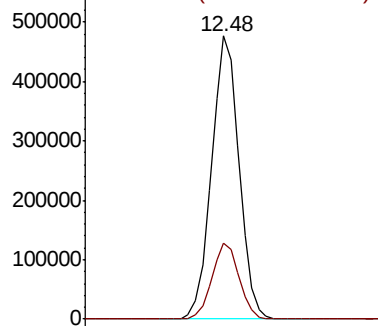
105 100

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



#74

N-ethyl acetate

Concen: 5.140 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Tgt Ion: 43 Resp: 14829

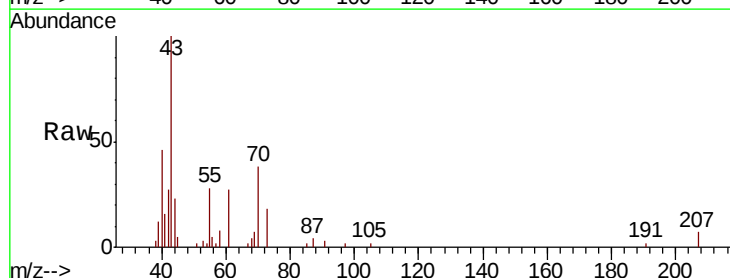
Ion Ratio Lower Upper

43 100

70 42.1 33.7 50.5

55 27.6 20.7 31.1

61 25.4 19.0 28.4

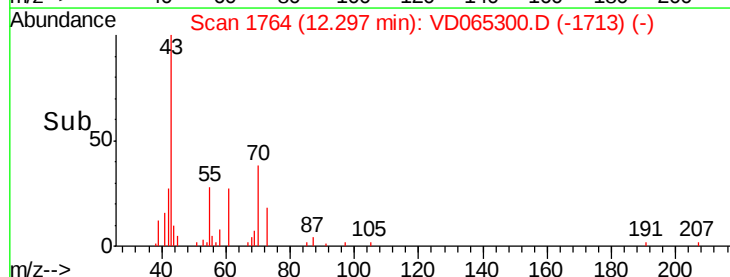
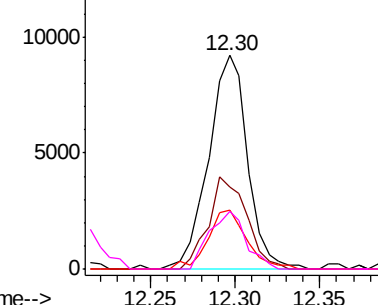


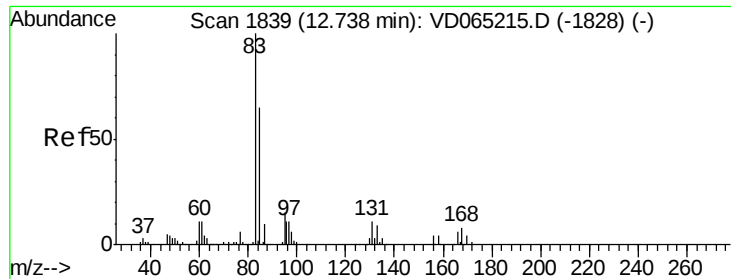
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 61.187 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

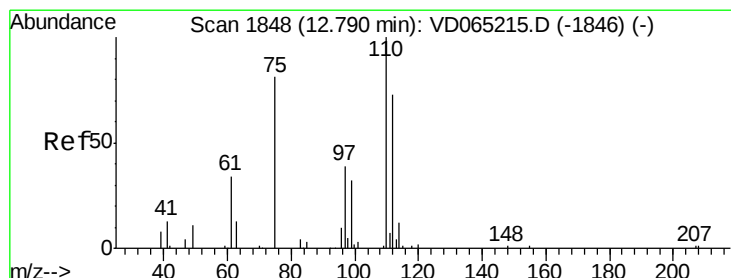
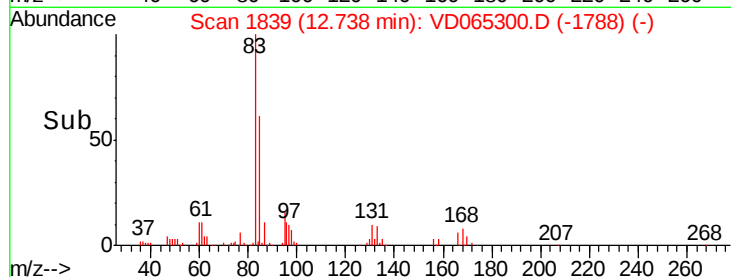
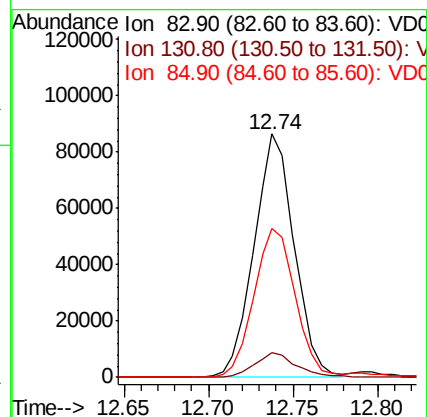
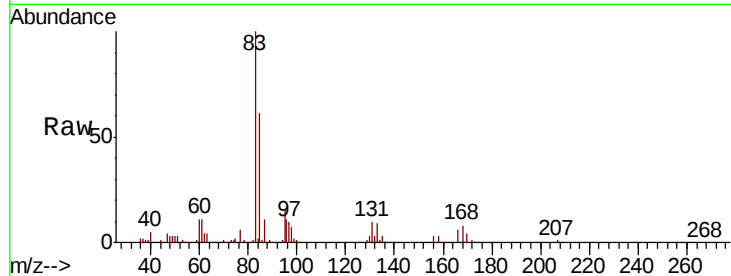
Tot Ion: 83 Resp: 143374

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

85 62.7 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 108.993 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065300.D

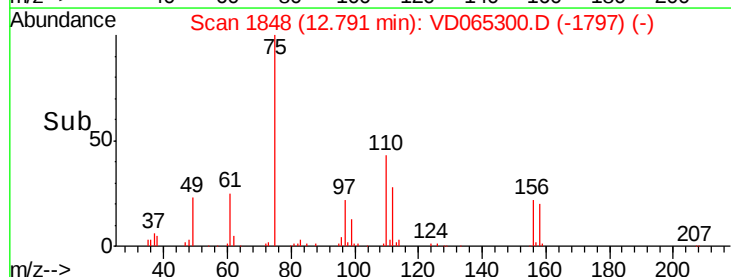
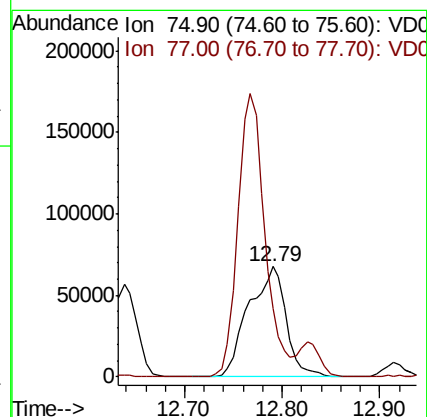
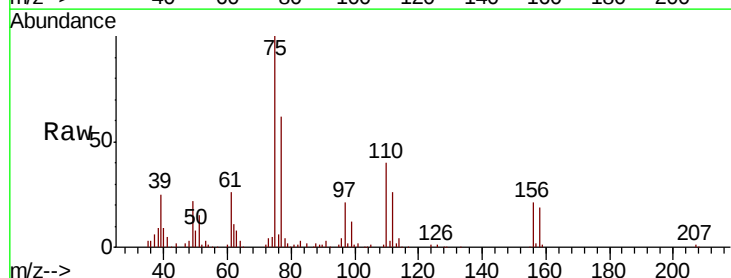
Acq: 24 Feb 2020 17:49

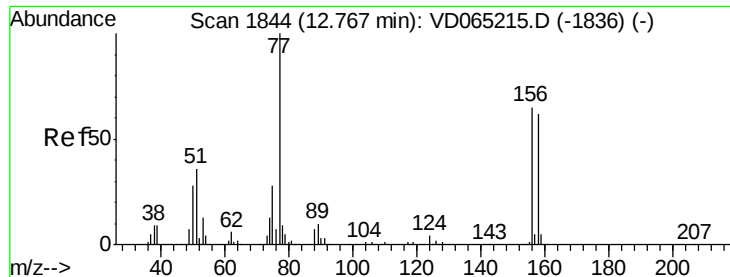
Tgt Ion: 75 Resp: 181859

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 60.597 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

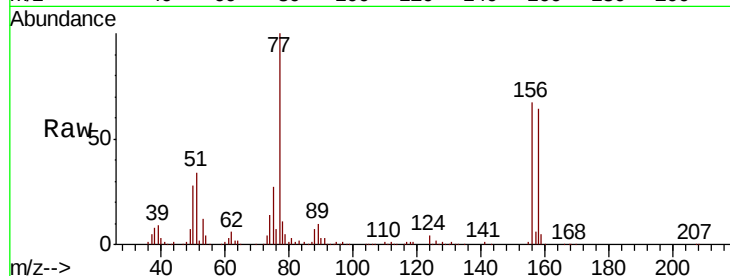
Tot Ion:156 Resp: 195364

Ion Ratio Lower Upper

156 100

77 171.6 86.6 259.7

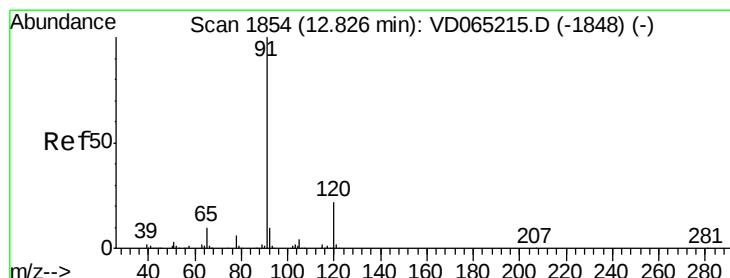
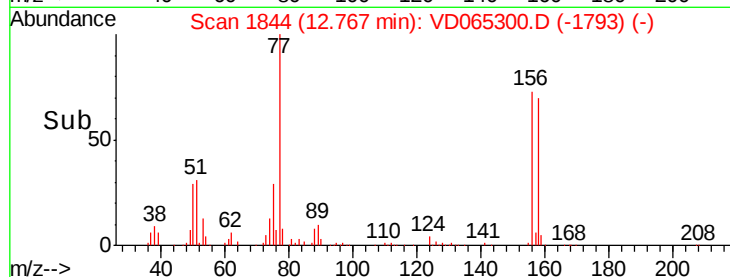
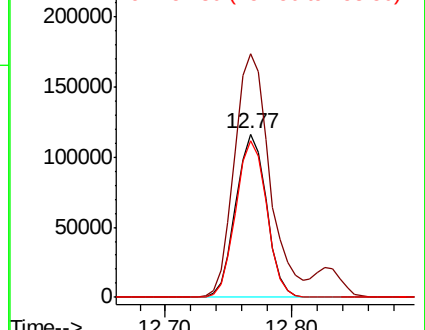
158 96.6 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.451 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065300.D

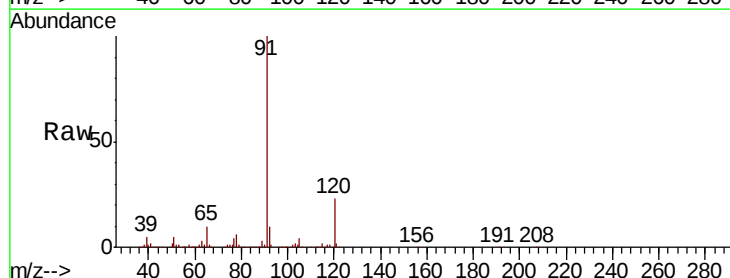
Acq: 24 Feb 2020 17:49

Tgt Ion: 91 Resp: 833960

Ion Ratio Lower Upper

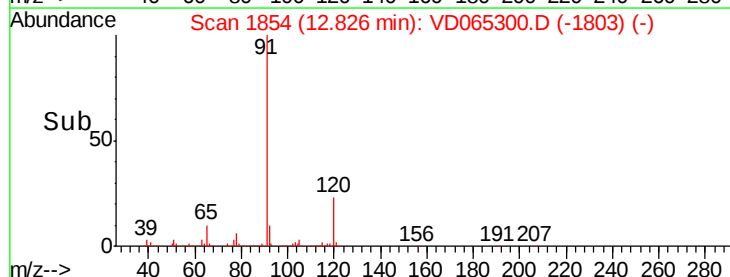
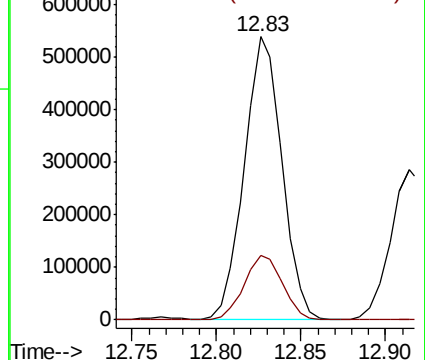
91 100

120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.045 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

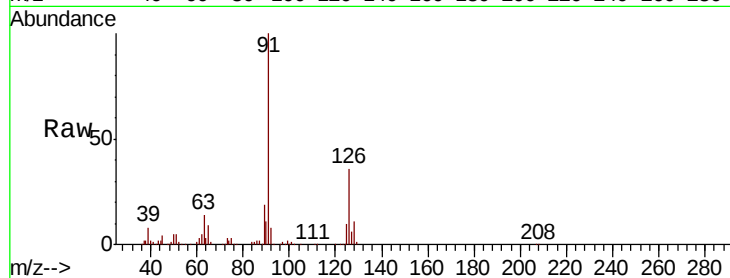
ClientSampleId :

Tot Ion: 91 Resp: 481118

Ion Ratio Lower Upper

91 100

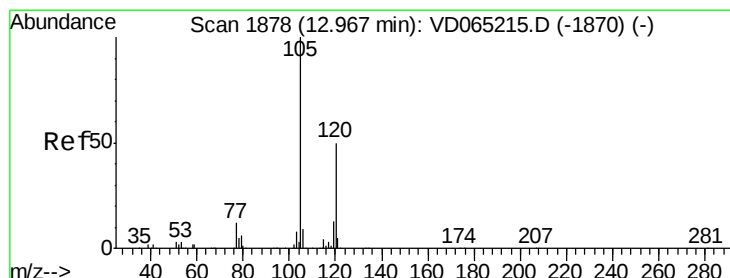
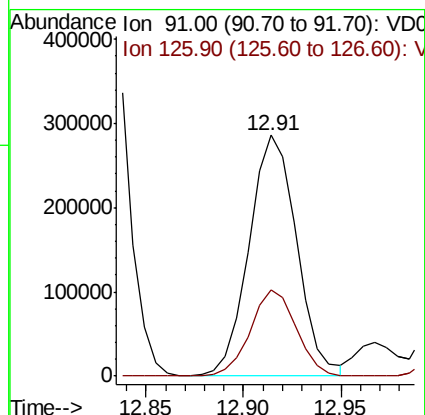
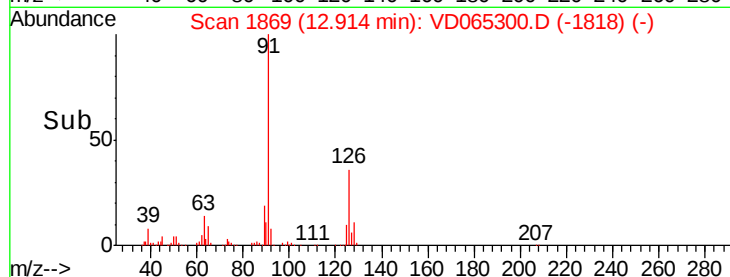
126 34.9 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.891 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065300.D

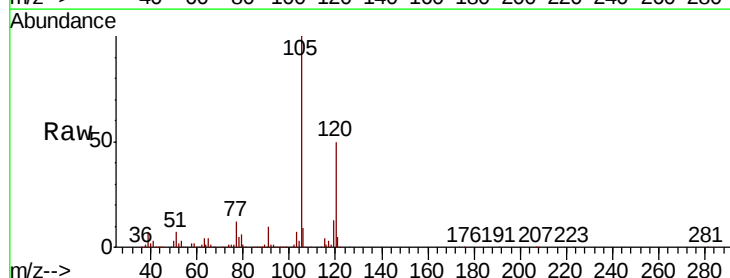
Acq: 24 Feb 2020 17:49

Tgt Ion:105 Resp: 586970

Ion Ratio Lower Upper

105 100

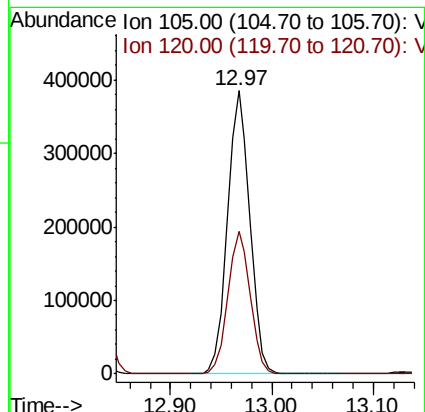
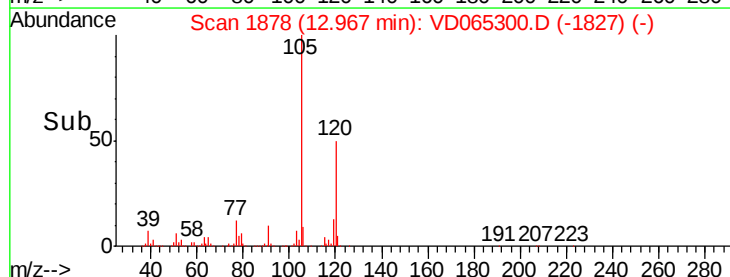
120 50.4 25.4 76.4

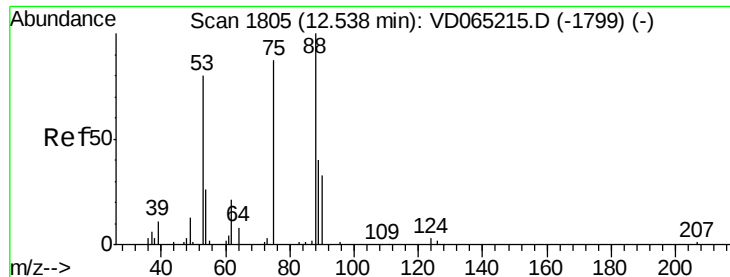


Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)

Time-->

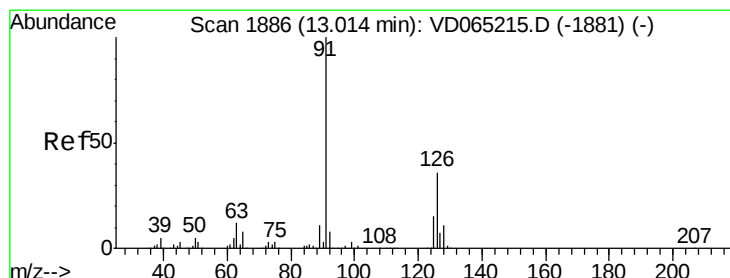
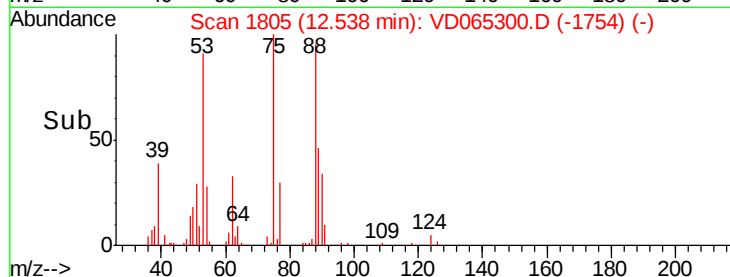
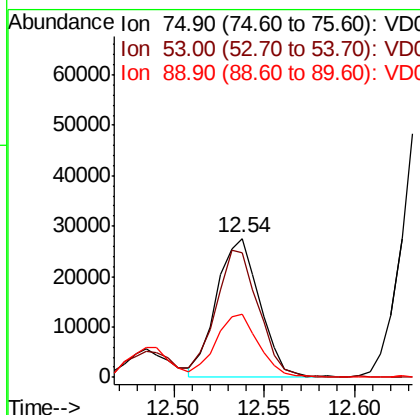
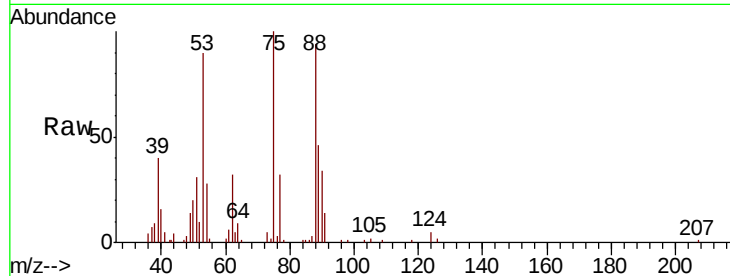




#81
trans-1,4-Dichloro-2-butene
Concen: 58.984 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

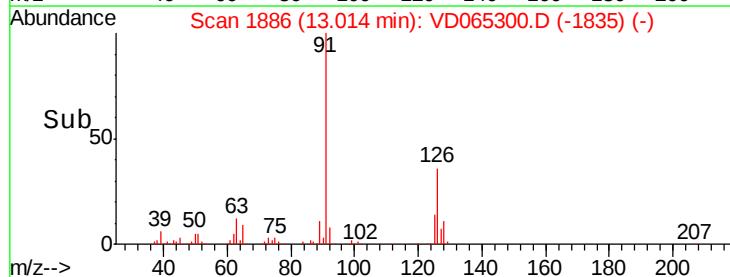
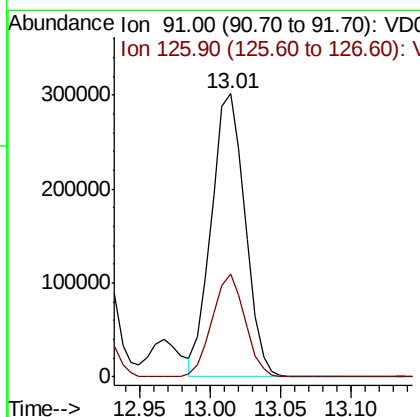
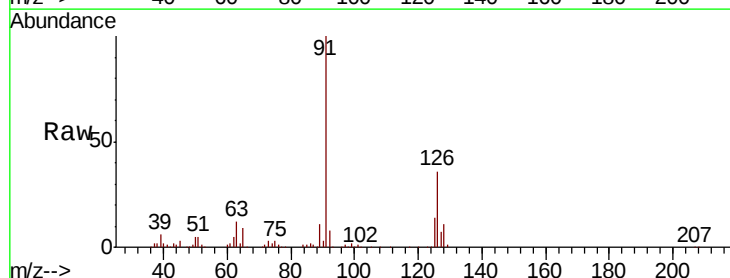
Instrument :
MSVOA_D
ClientSampleId :

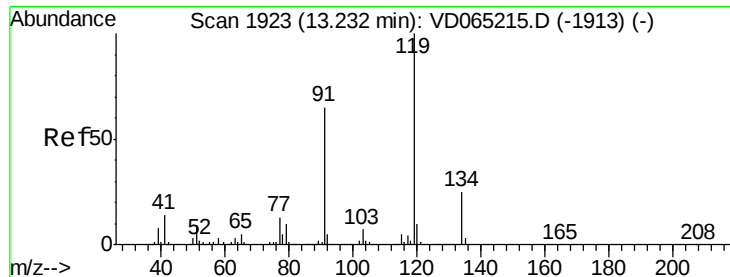
Tot Ion: 75 Resp: 45581
Ion Ratio Lower Upper
75 100
53 92.6 77.6 116.4
89 45.2 37.2 55.8



#82
4-Chlorotoluene
Concen: 53.905 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 91 Resp: 500198
Ion Ratio Lower Upper
91 100
126 35.5 17.4 52.3

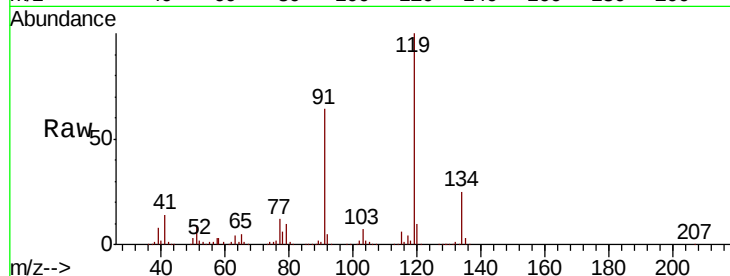




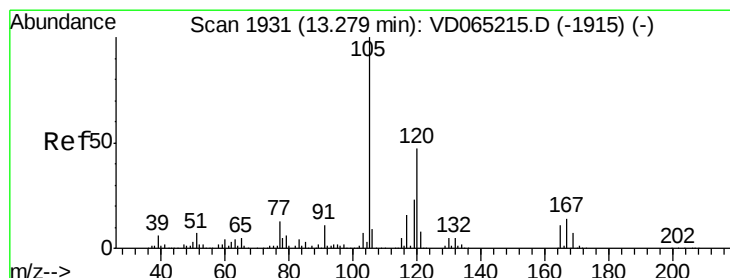
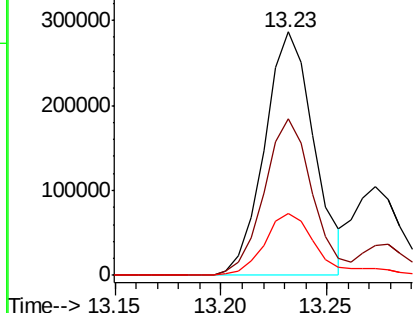
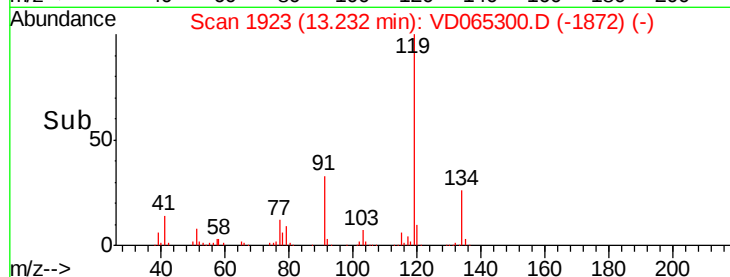
#83
tert-Butylbenzene
Concen: 52.279 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 468543
Ion Ratio Lower Upper
119 100
91 63.0 31.9 95.5
134 25.3 13.8 41.3

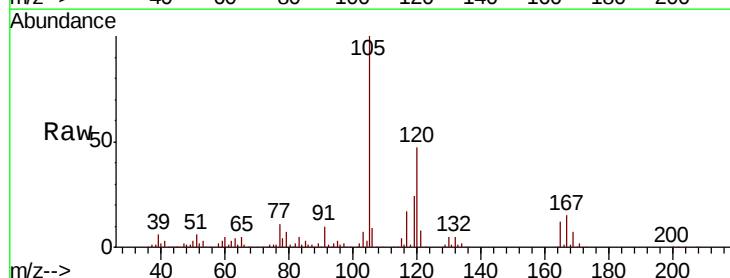


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

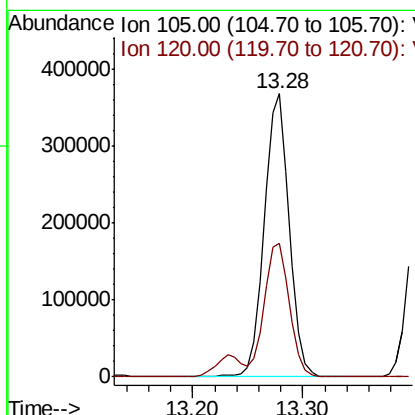
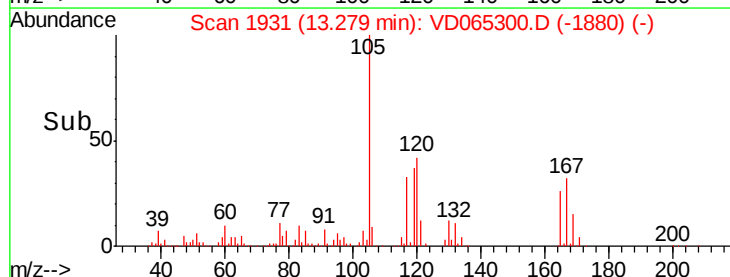


#84
1,2,4-Trimethylbenzene
Concen: 54.369 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion:105 Resp: 581920
Ion Ratio Lower Upper
105 100
120 47.7 23.3 69.9



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

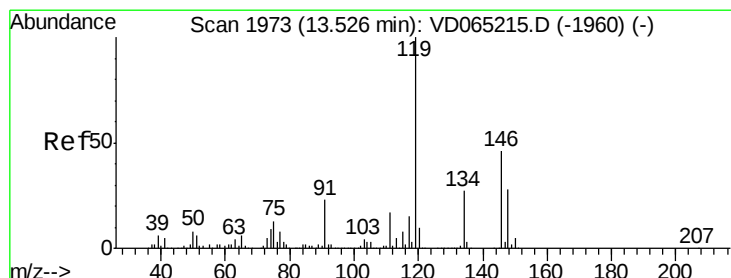
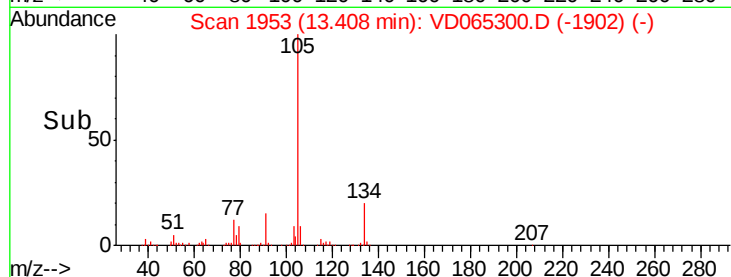
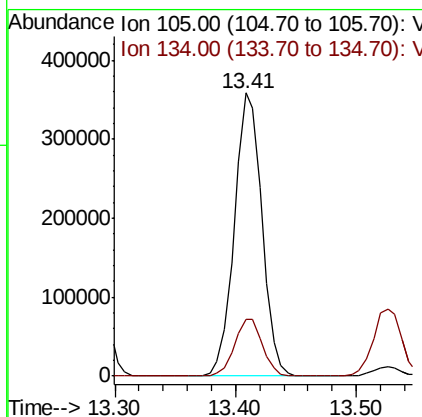
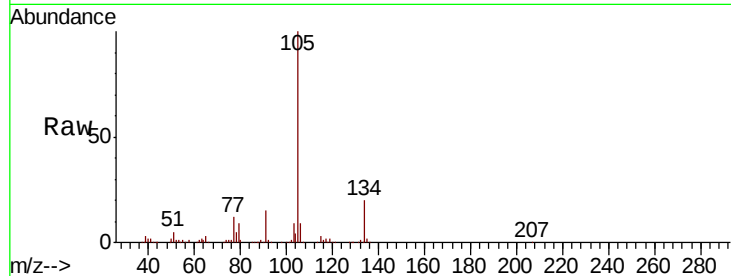




#85
 sec-Butylbenzene
 Concen: 44.022 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

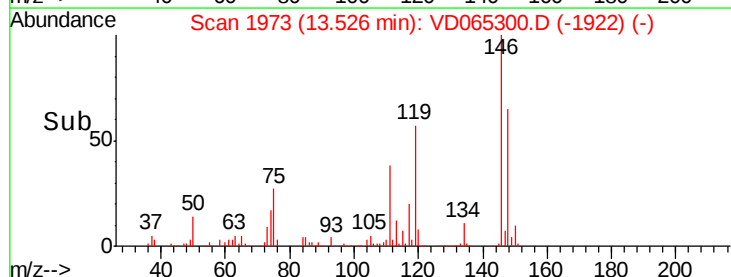
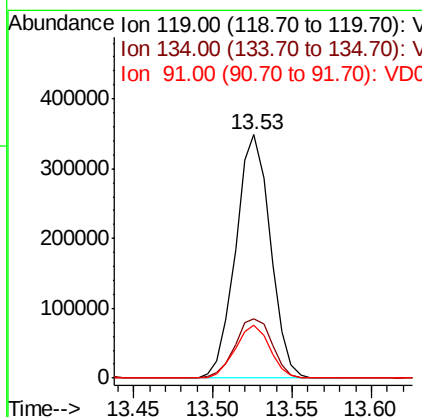
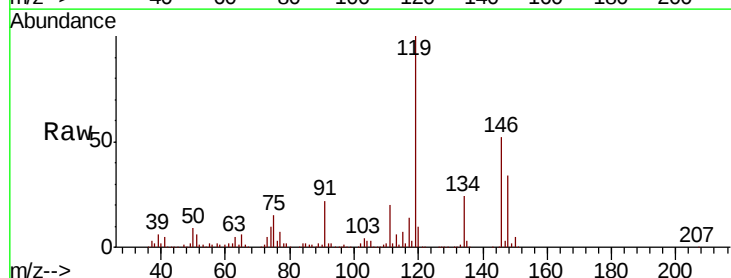
Instrument :
 MSVOA_D
 ClientSampleId :

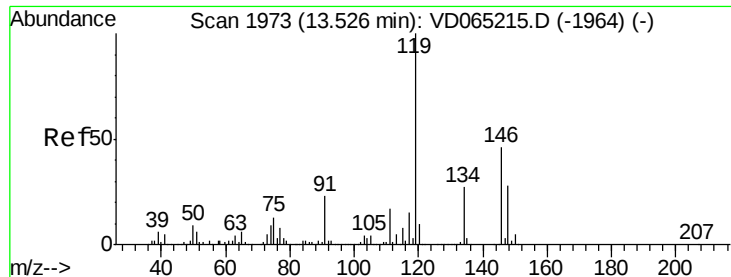
Tot Ion:105 Resp: 568517
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 44.722 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion:119 Resp: 528171
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 21.8 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 47.455 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

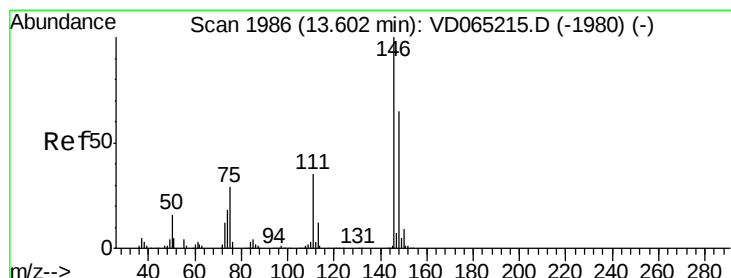
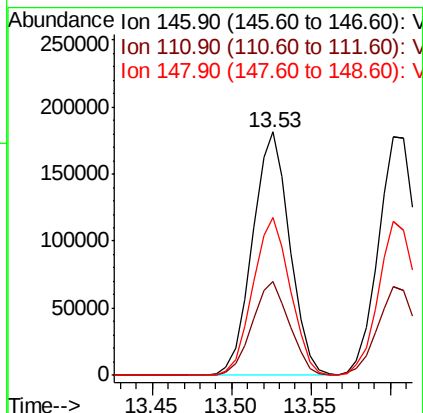
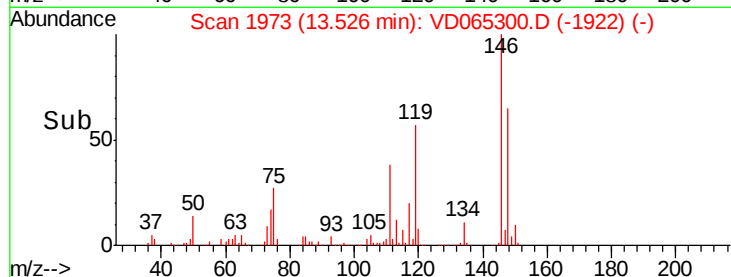
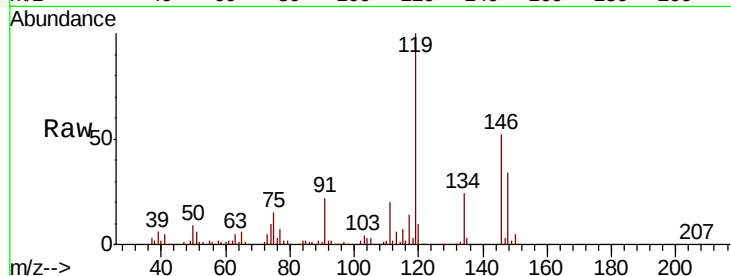
Tot Ion:146 Resp: 295772

Ion Ratio Lower Upper

146 100

111 38.7 18.6 55.8

148 65.2 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 48.587 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

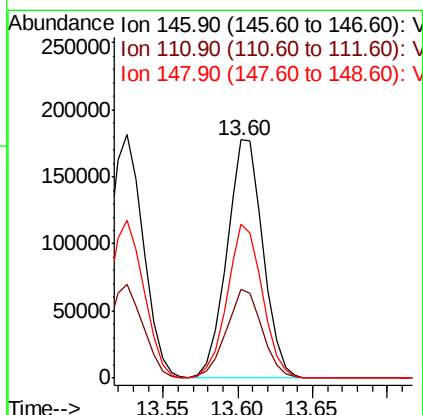
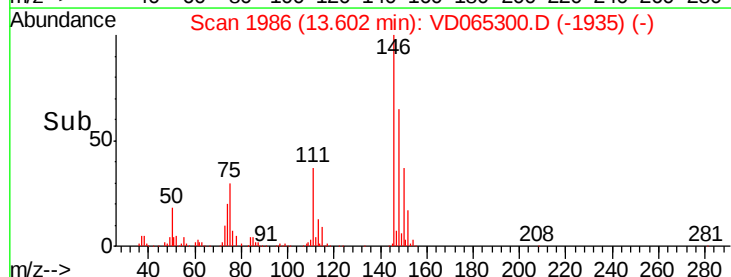
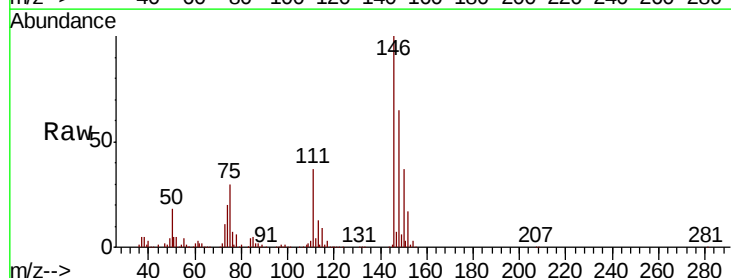
Tgt Ion:146 Resp: 298872

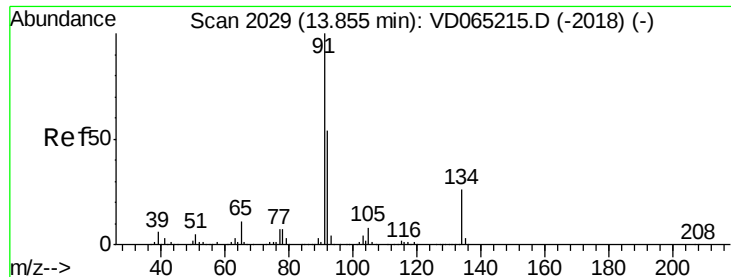
Ion Ratio Lower Upper

146 100

111 37.2 18.4 55.2

148 62.9 32.1 96.5

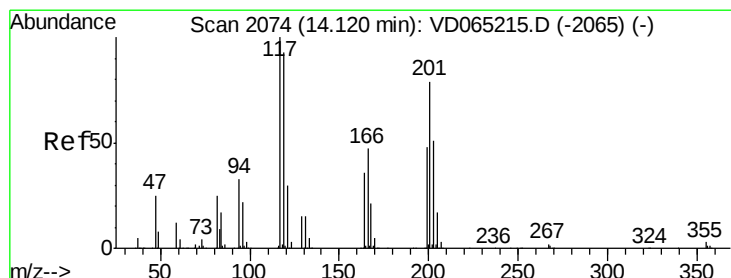
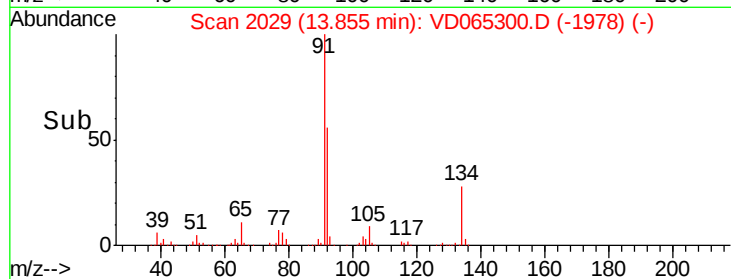
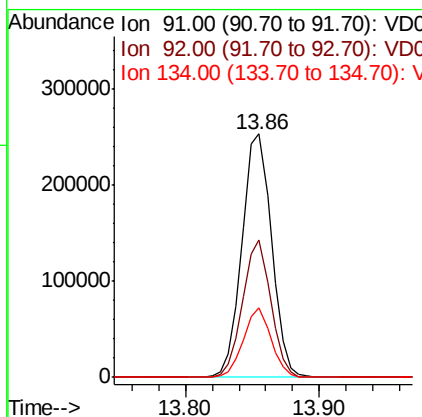
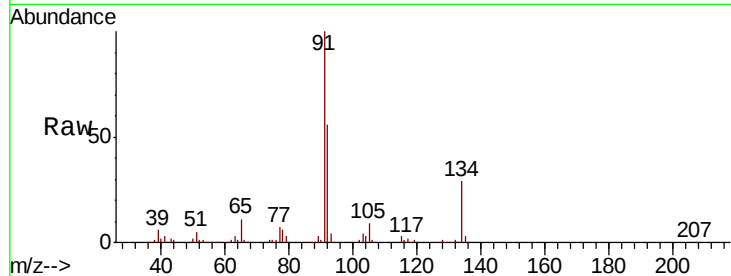




#89
n-Butylbenzene
Concen: 35.670 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

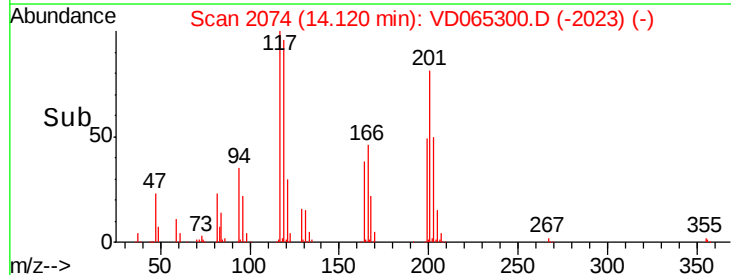
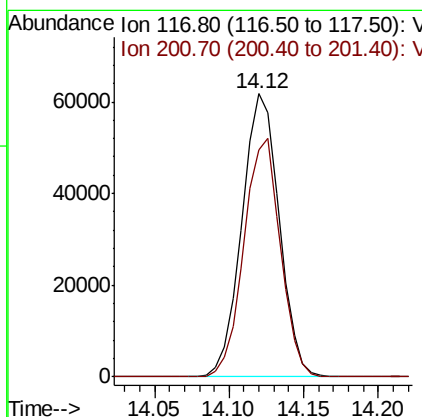
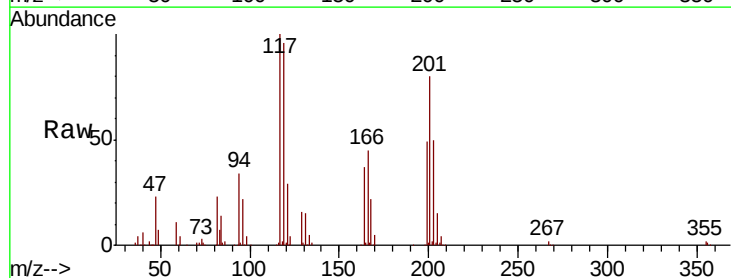
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 388194
Ion Ratio Lower Upper
91 100
92 53.4 27.0 80.8
134 26.6 13.5 40.4



#90
Hexachloroethane
Concen: 44.485 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion: 117 Resp: 106676
Ion Ratio Lower Upper
117 100
201 82.2 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 48.388 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

Instrument :

MSVOA_D

ClientSampleId :

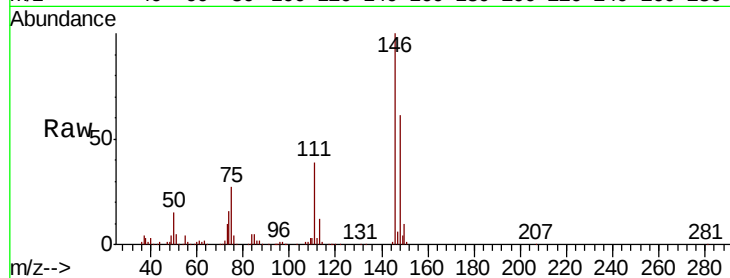
Tot Ion:146 Resp: 258952

Ion Ratio Lower Upper

146 100

111 40.1 19.7 59.0

148 64.8 32.0 96.2

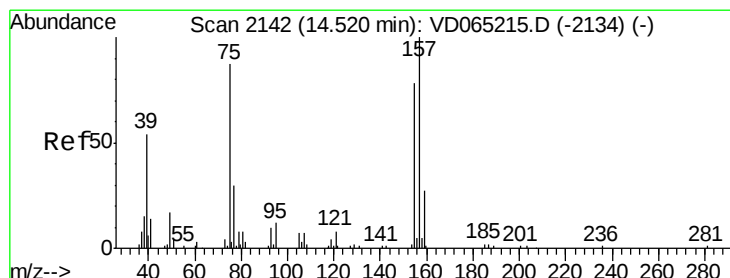
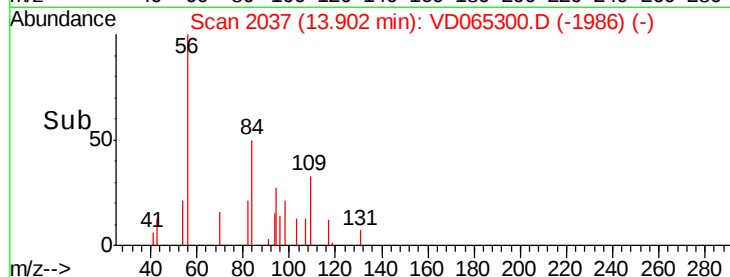
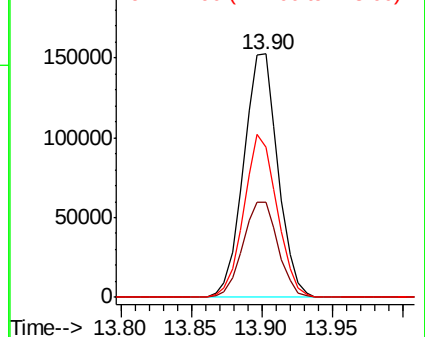


Abundance

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: 54.672 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065300.D

Acq: 24 Feb 2020 17:49

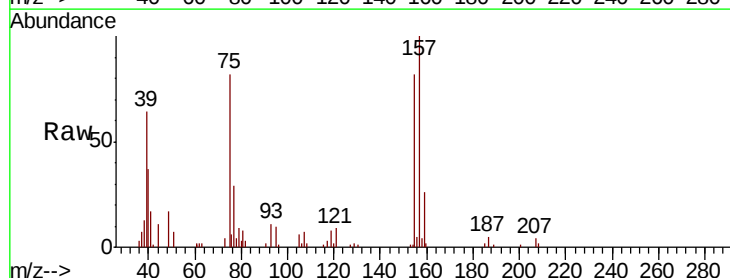
Tgt Ion: 75 Resp: 19742

Ion Ratio Lower Upper

75 100

155 96.2 42.3 126.9

157 119.2 56.7 170.1

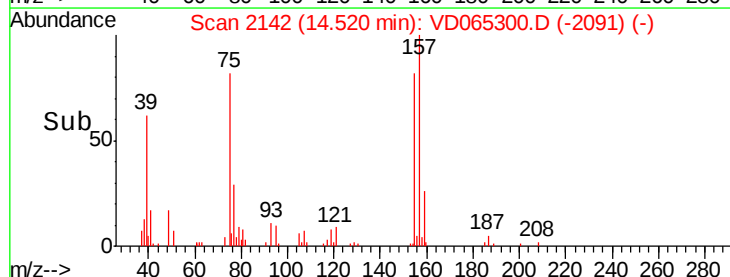
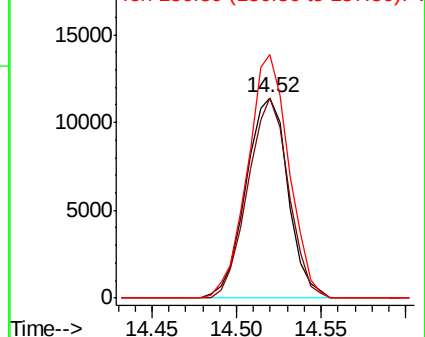


Abundance

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

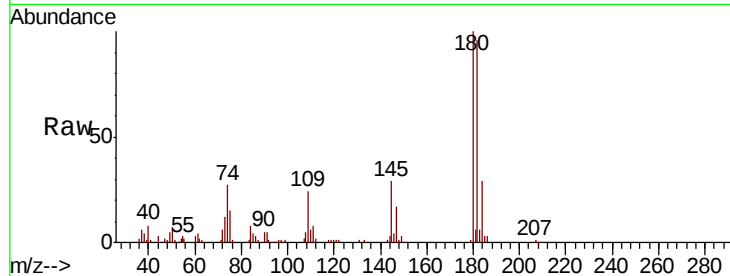




#93
 1,2,4-Trichlorobenzene
 Concen: 30.428 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.6
145	29.2	13.9	41.7

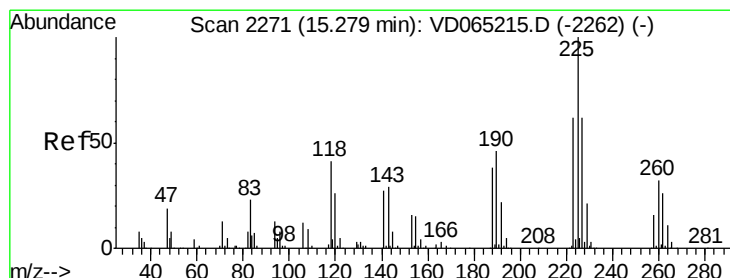
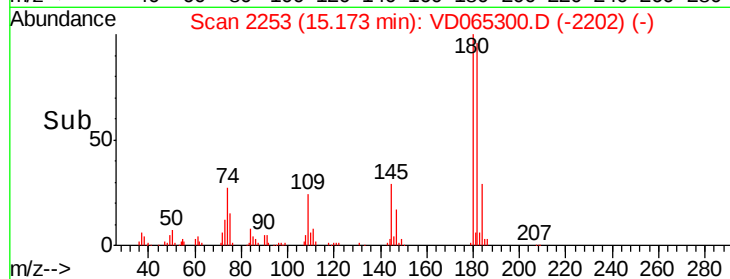
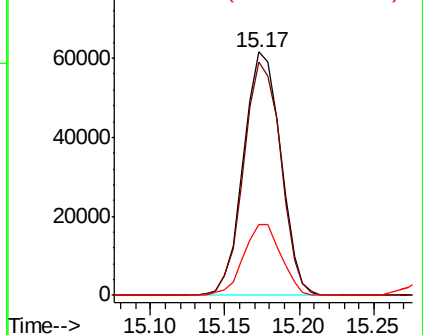


Abundance

Ion 179.80 (179.50 to 180.50): V

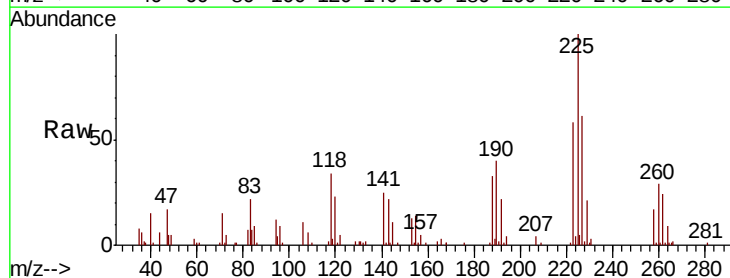
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.903 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065300.D
 Acq: 24 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.4	94.2
227	62.8	31.7	95.1

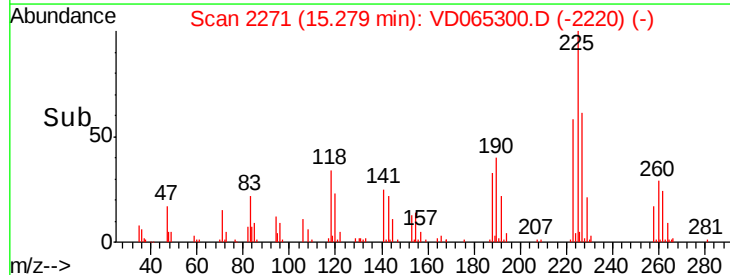
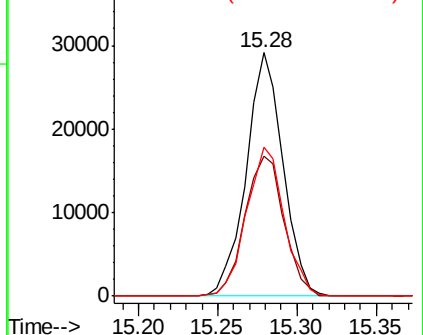


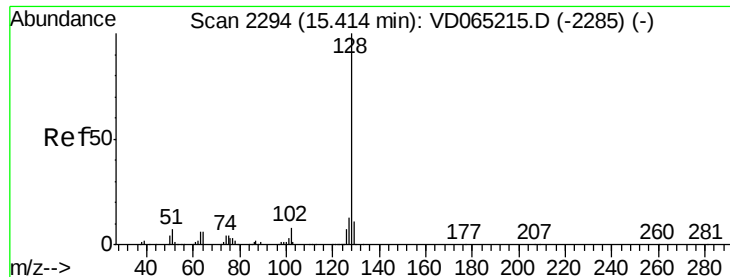
Abundance

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

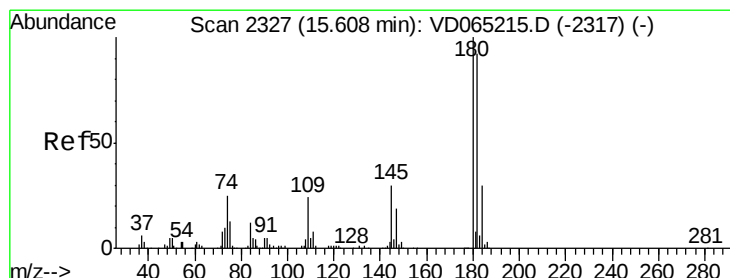
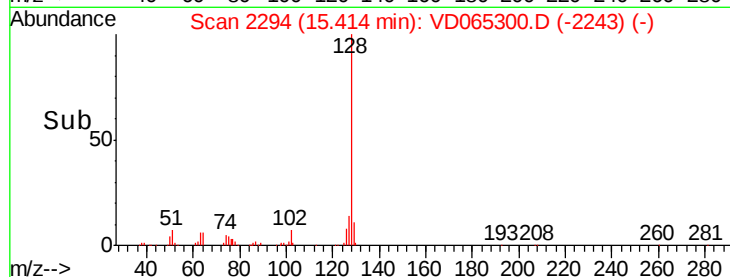
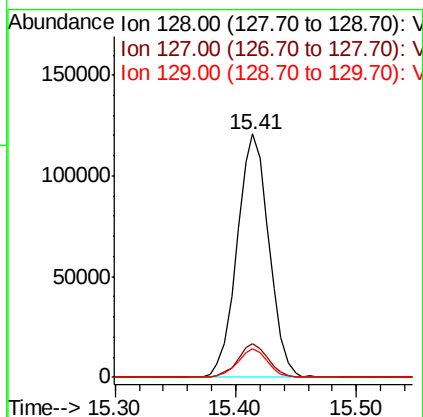
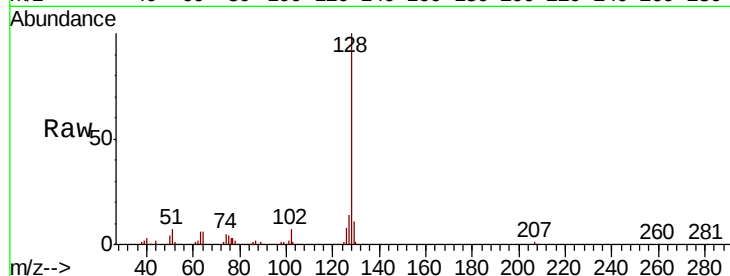




#95
Naphthalene
Concen: 38.933 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 221559
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 27.706 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065300.D
Acq: 24 Feb 2020 17:49

Tgt Ion:180 Resp: 84703
Ion Ratio Lower Upper
180 100
182 96.5 46.9 140.6
145 31.5 15.4 46.1

