

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065306.D
 Acq On : 25 Feb 2020 12:46
 Operator : VA/SY
 Sample : VD0225SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 23:37:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210256	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.92	113	218041	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.34	98	872358	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.64	95	276427	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	71911	18.319	ug/l 100
3) Chloromethane	2.21	50	95970	19.208	ug/l 99
4) Vinyl Chloride	2.35	62	96883	19.069	ug/l 97
5) Bromomethane	2.76	94	57900	18.848	ug/l 97
6) Chloroethane	2.92	64	60897	19.636	ug/l 98
7) Trichlorofluoromethane	3.27	101	145597	20.016	ug/l 95
8) Diethyl Ether	3.71	74	44633	20.328	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96295	20.963	ug/l 100
10) Methyl Iodide	4.29	142	85323	17.890	ug/l 99
11) Tert butyl alcohol	5.24	59	23145	91.993	ug/l # 72
12) 1,1-Dichloroethene	4.06	96	90551	20.868	ug/l 95
13) Acrolein	3.93	56	37687	105.363	ug/l 99
14) Allyl chloride	4.71	41	137668	19.537	ug/l 98
15) Acrylonitrile	5.43	53	96318	99.082	ug/l 100
16) Acetone	4.16	43	92420	89.796	ug/l 97
17) Carbon Disulfide	4.40	76	284649	19.566	ug/l 100
18) Methyl Acetate	4.73	43	48527	20.964	ug/l 99
19) Methyl tert-butyl Ether	5.49	73	179084	19.791	ug/l 97
20) Methylene Chloride	4.97	84	107148	20.683	ug/l 93
21) trans-1,2-Dichloroethene	5.47	96	100820	20.438	ug/l 95
22) Diisopropyl ether	6.37	45	276055	20.322	ug/l 99
23) Vinyl Acetate	6.31	43	714729	95.438	ug/l 100
24) 1,1-Dichloroethane	6.26	63	172771	20.505	ug/l 98
25) 2-Butanone	7.22	43	120391	92.453	ug/l 96
26) 2,2-Dichloropropane	7.21	77	147136	20.127	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	103387	19.786	ug/l 98
28) Bromochloromethane	7.55	49	59723	19.106	ug/l 98
29) Tetrahydrofuran	7.57	42	74297	97.377	ug/l 99
30) Chloroform	7.71	83	172009	20.263	ug/l 98
31) Cyclohexane	7.98	56	169469	20.471	ug/l # 93
32) 1,1,1-Trichloroethane	7.91	97	156756	20.639	ug/l 100
36) 1,1-Dichloropropene	8.11	75	138458	20.452	ug/l 99
37) Ethyl Acetate	7.30	43	52378	18.507	ug/l 98
38) Carbon Tetrachloride	8.10	117	142711	20.707	ug/l 95

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 MSVOA_D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	161896	20.341	ug/l	98
40) Benzene	8.35	78	392288	20.529	ug/l	98
41) Methacrylonitrile	7.53	41	30831	18.867	ug/l	98
42) 1,2-Dichloroethane	8.43	62	105900	20.159	ug/l	98
43) Isopropyl Acetate	8.46	43	99426	19.319	ug/l	99
44) Trichloroethene	9.11	130	110006	20.768	ug/l	99
45) 1,2-Dichloropropane	9.39	63	97005	20.415	ug/l	94
46) Dibromomethane	9.48	93	49107	20.086	ug/l	98
47) Bromodichloromethane	9.67	83	130873	20.313	ug/l	98
48) Methyl methacrylate	9.46	41	47264	19.868	ug/l	98
49) 1,4-Dioxane	9.47	88	11463	399.772	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	259788	99.383	ug/l	99
52) Toluene	10.41	92	256028	21.646	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122184	20.459	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	148777	20.631	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	72386	21.036	ug/l	98
56) Ethyl methacrylate	10.67	69	78184	19.685	ug/l	99
57) 1,3-Dichloropropane	10.95	76	120044	20.497	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	121326	96.892	ug/l	100
59) 2-Hexanone	10.99	43	177487	94.851	ug/l	100
60) Dibromochloromethane	11.14	129	90922	20.644	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67690	20.776	ug/l	99
64) Tetrachloroethene	10.88	164	99481	22.230	ug/l	98
65) Chlorobenzene	11.67	112	267019	21.088	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96733	20.472	ug/l	98
67) Ethyl Benzene	11.75	91	456648	20.592	ug/l	100
68) m/p-Xylenes	11.86	106	359635	42.387	ug/l	100
69) o-Xylene	12.18	106	158153	21.040	ug/l	99
70) Styrene	12.20	104	280233	20.998	ug/l	100
71) Bromoform	12.37	173	54799	20.900	ug/l #	100
73) Isopropylbenzene	12.48	105	434155	20.782	ug/l	99
74) N-amyl acetate	12.30	43	88654	19.098	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	75026	19.899	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	97130	36.177	ug/l #	100
77) Bromobenzene	12.77	156	106047	20.442	ug/l	99
78) n-propylbenzene	12.83	91	526930	20.989	ug/l	99
79) 2-Chlorotoluene	12.91	91	288448	20.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	363096	21.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24022	19.319	ug/l	96
82) 4-Chlorotoluene	13.01	91	305840	20.483	ug/l	99
83) tert-Butylbenzene	13.23	119	291921	20.242	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	357289	20.746	ug/l	99
85) sec-Butylbenzene	13.41	105	421787	20.297	ug/l	100
86) p-Isopropyltoluene	13.53	119	390124	20.529	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	206155	20.556	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203091	20.518	ug/l	99
89) n-Butylbenzene	13.85	91	356453	20.355	ug/l	99
90) Hexachloroethane	14.12	117	78511	20.347	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175619	20.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11692	20.123	ug/l	100

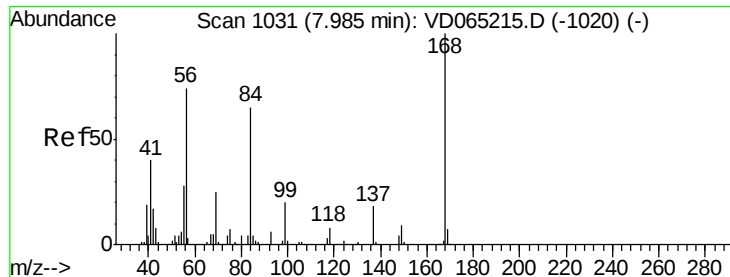
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113842	20.211	ug/l	96
94) Hexachlorobutadiene	15.28	225	75282	20.835	ug/l	99
95) Naphthalene	15.41	128	179243	19.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102504	20.837	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

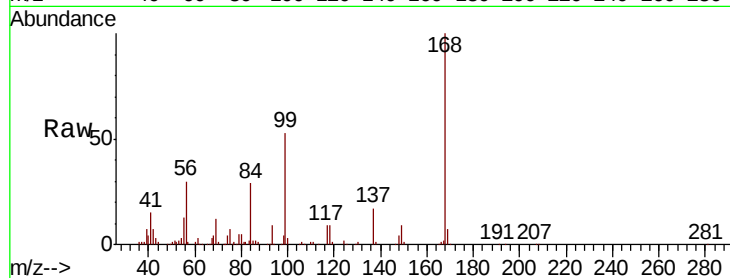
ClientSampled :

Tot Ion:168 Resp: 468022

Ion Ratio Lower Upper

168 100

99 52.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

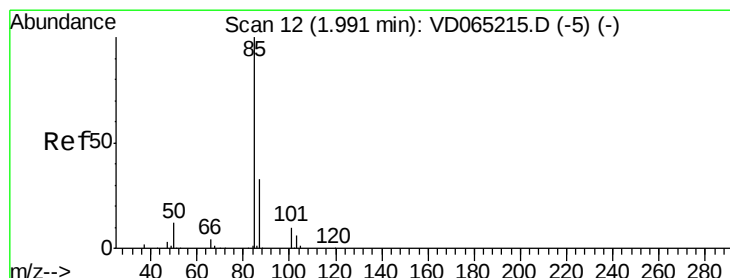
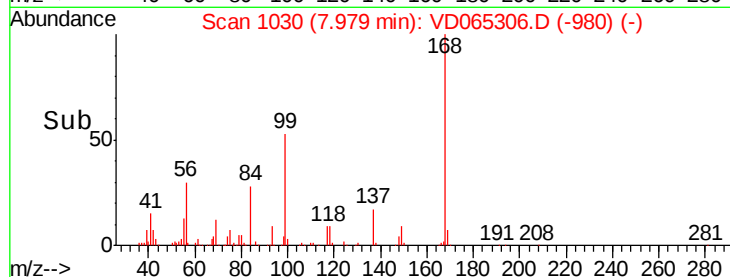
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.319 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065306.D

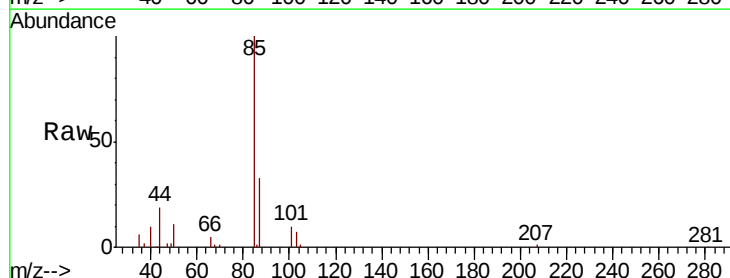
Acq: 25 Feb 2020 12:46

Tgt Ion: 85 Resp: 71911

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

20000

10000

0

1.90

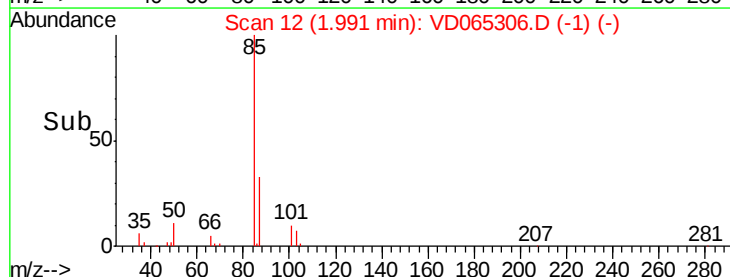
1.95

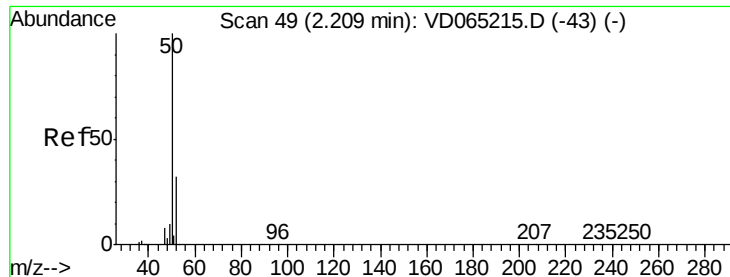
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.208 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

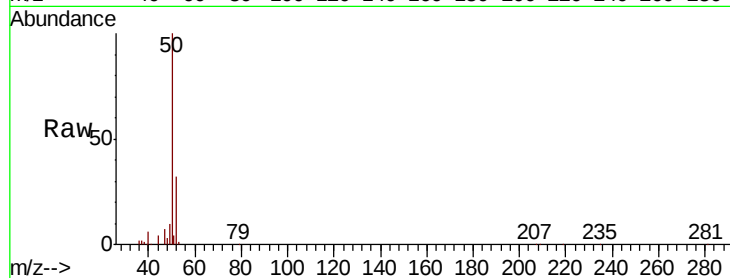
ClientSampleId :

Tot Ion: 50 Resp: 95970

Ion Ratio Lower Upper

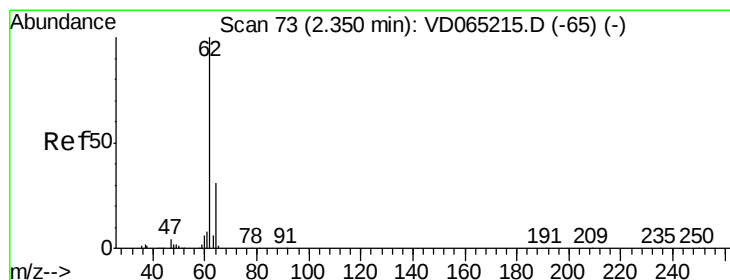
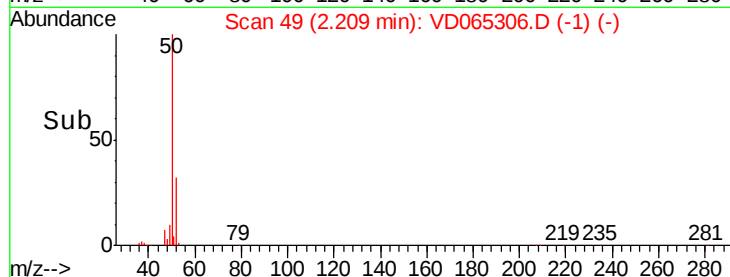
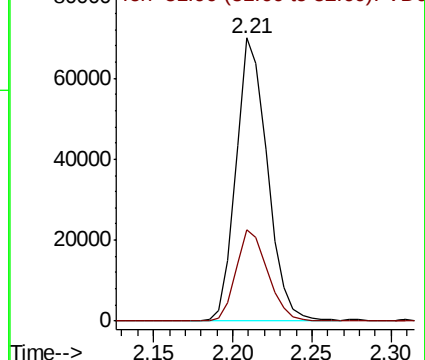
50 100

52 32.3 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: 19.069 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065306.D

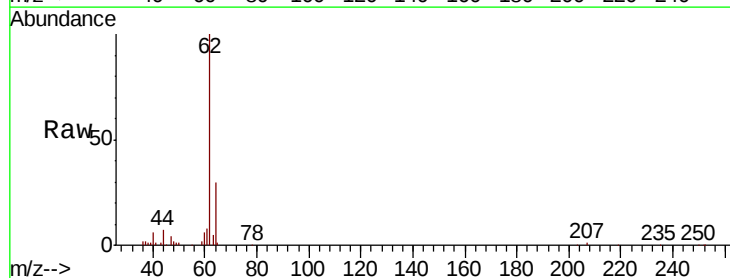
Acq: 25 Feb 2020 12:46

Tgt Ion: 62 Resp: 96883

Ion Ratio Lower Upper

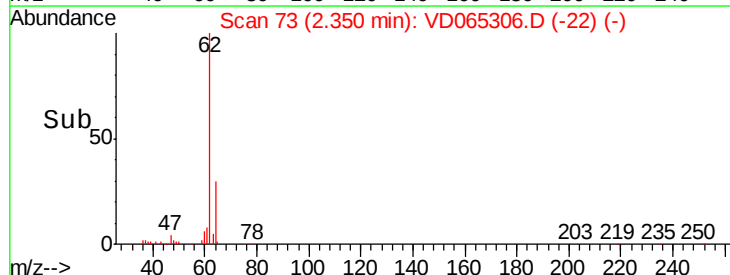
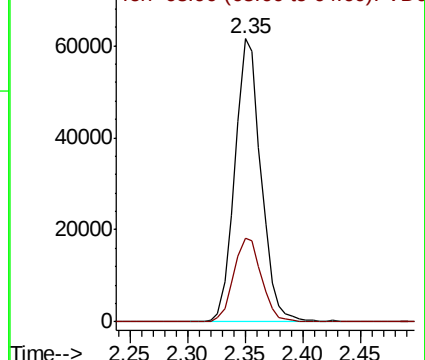
62 100

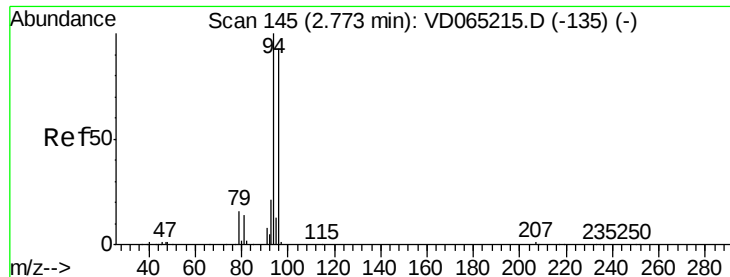
64 29.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.848 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

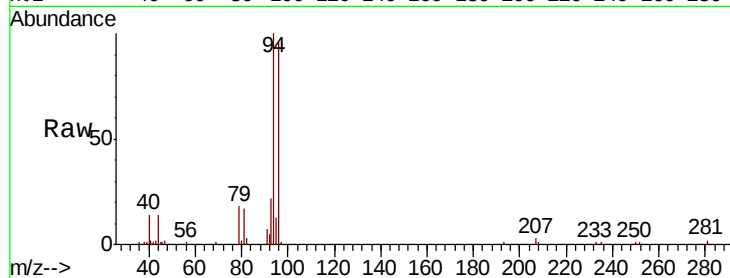
ClientSampleId :

Tot Ion: 94 Resp: 57900

Ion Ratio Lower Upper

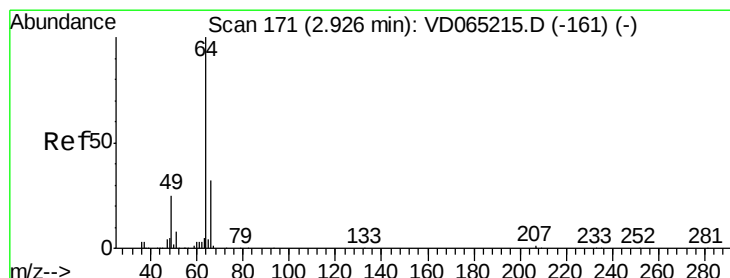
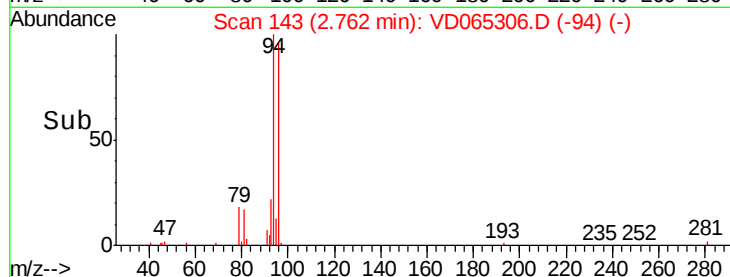
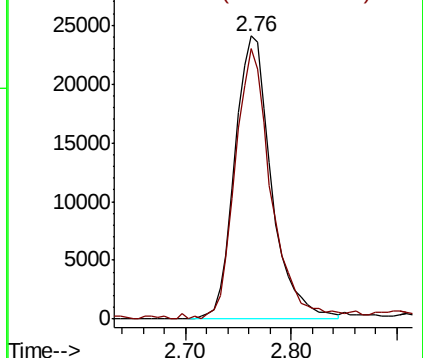
94 100

96 95.7 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: 19.636 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065306.D

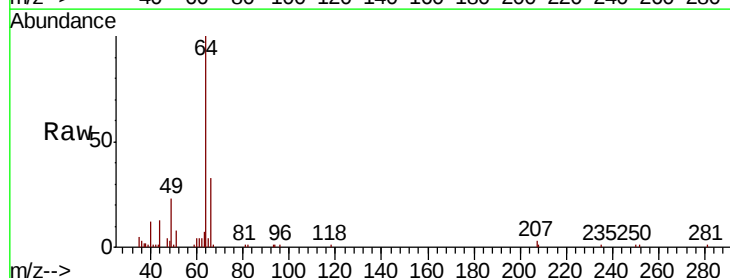
Acq: 25 Feb 2020 12:46

Tgt Ion: 64 Resp: 60897

Ion Ratio Lower Upper

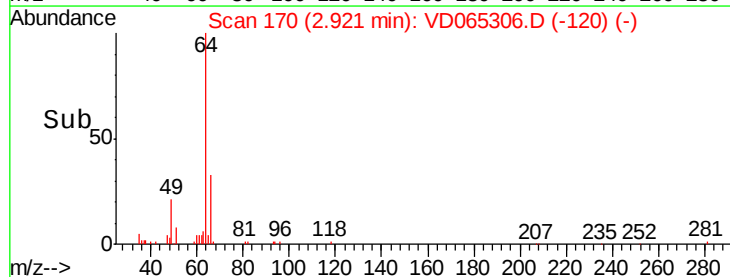
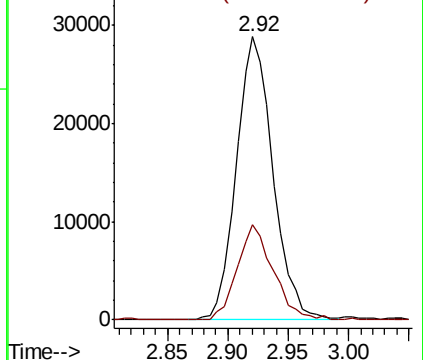
64 100

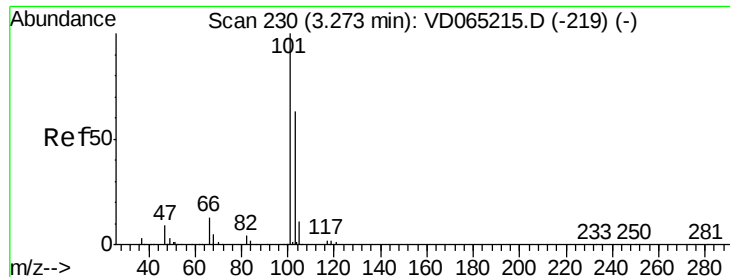
66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



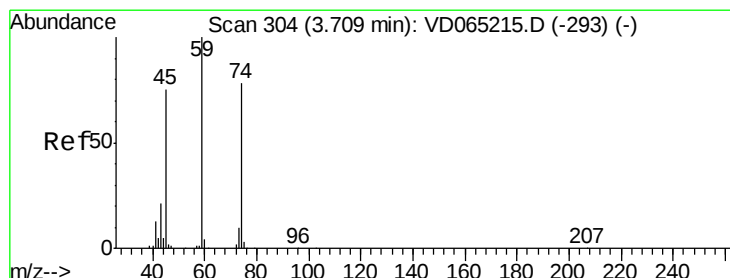
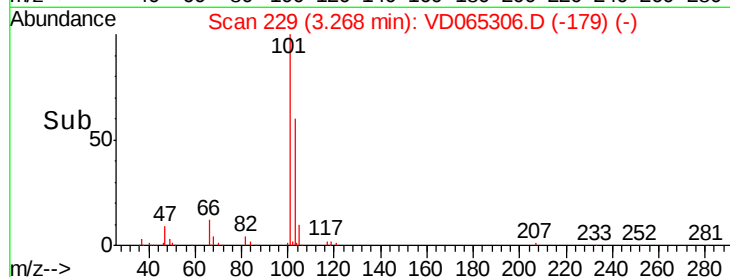
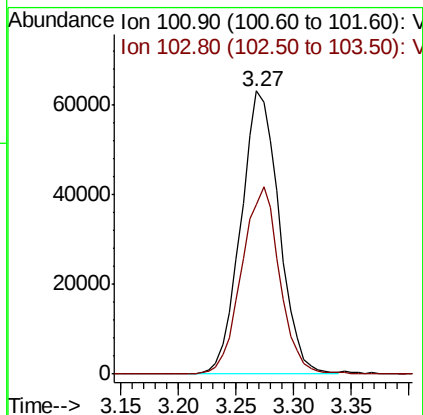
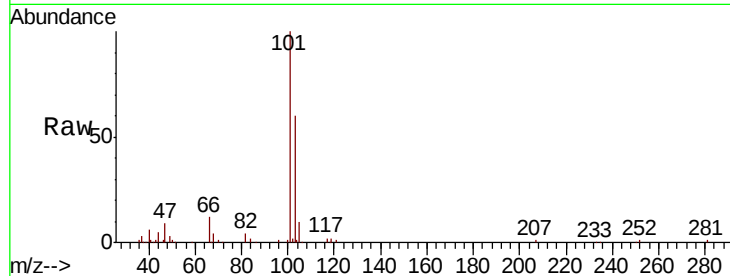


#7

Trichlorofluoromethane
 Concen: 20.016 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

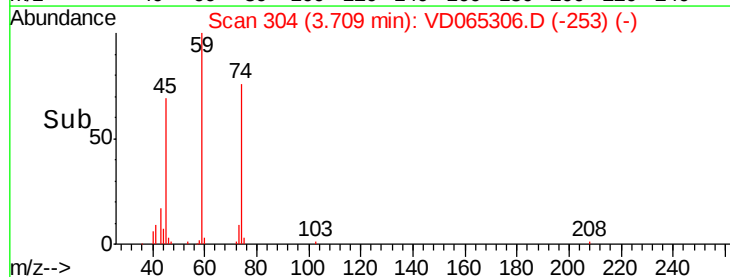
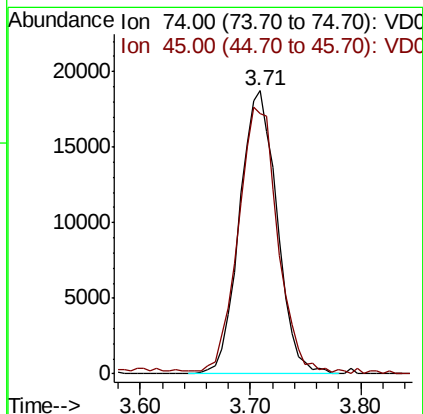
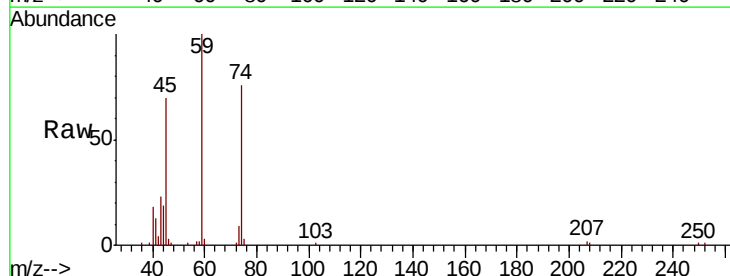
Tot Ion:101 Resp: 145597
 Ion Ratio Lower Upper
 101 100
 103 59.8 50.7 76.1

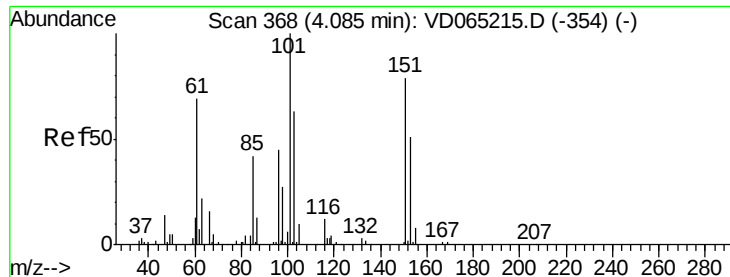


#8

Diethyl Ether
 Concen: 20.328 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion: 74 Resp: 44633
 Ion Ratio Lower Upper
 74 100
 45 100.2 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.963 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

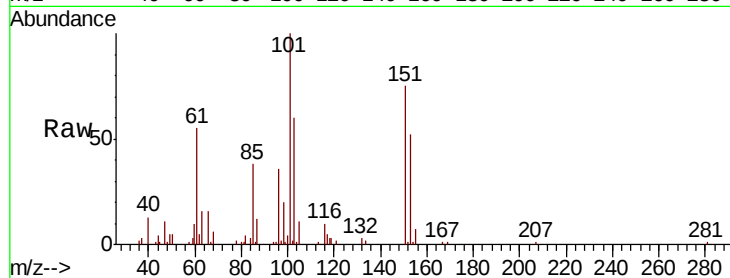
Tot Ion:101 Resp: 96295

Ion Ratio Lower Upper

101 100

85 42.0 34.2 51.2

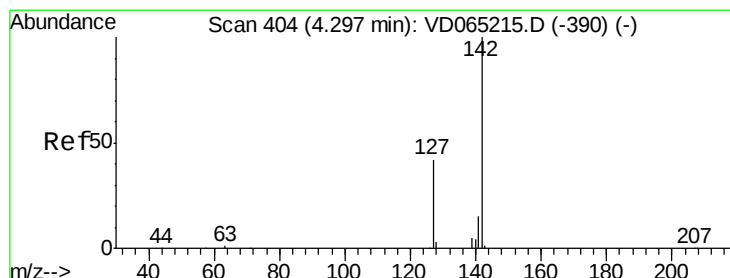
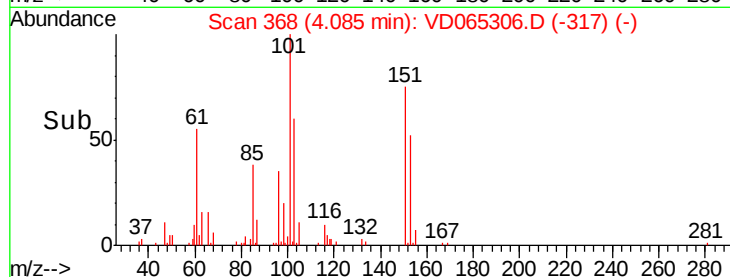
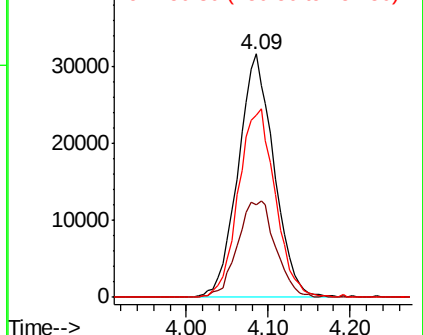
151 79.4 63.5 95.3



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: 17.890 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

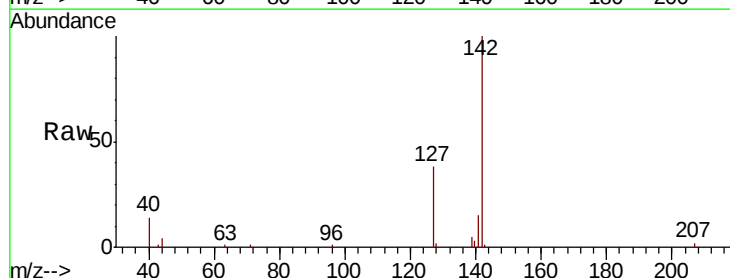
Tgt Ion:142 Resp: 85323

Ion Ratio Lower Upper

142 100

127 43.2 33.8 50.8

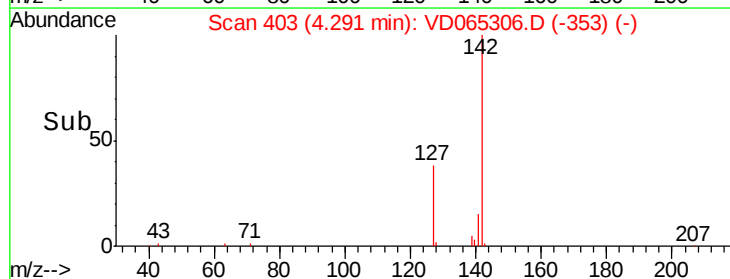
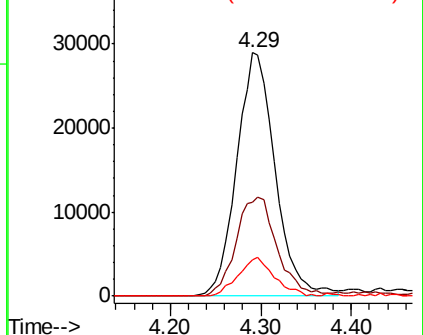
141 14.7 11.7 17.5

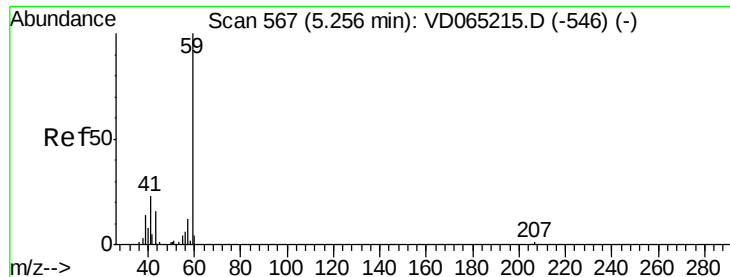


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



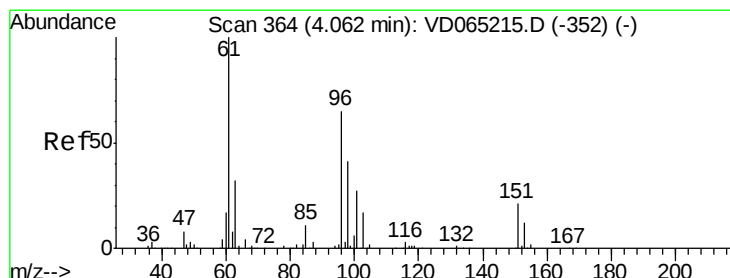
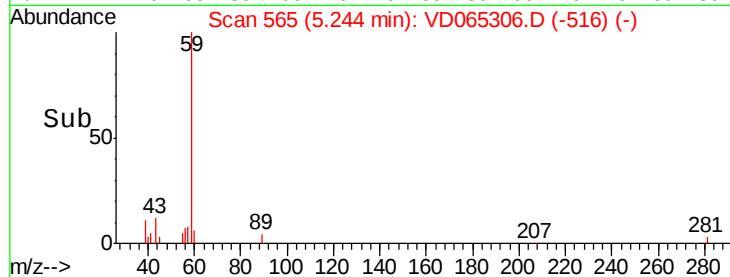
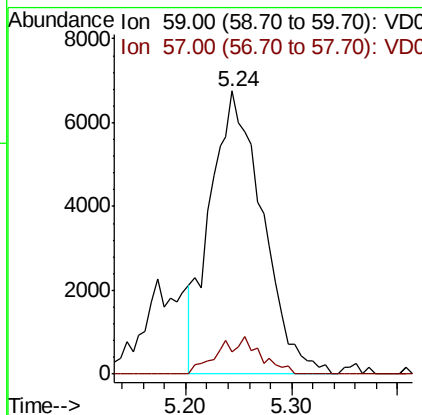
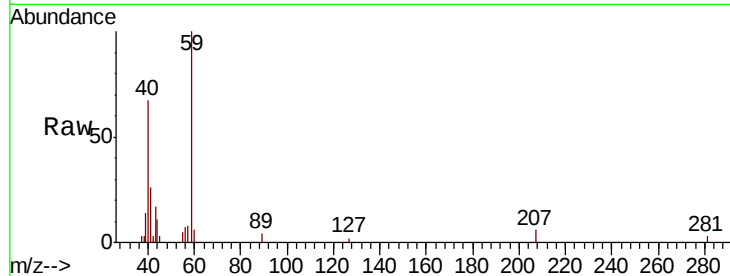


#11

Tert butyl alcohol
Concen: 91.993 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :

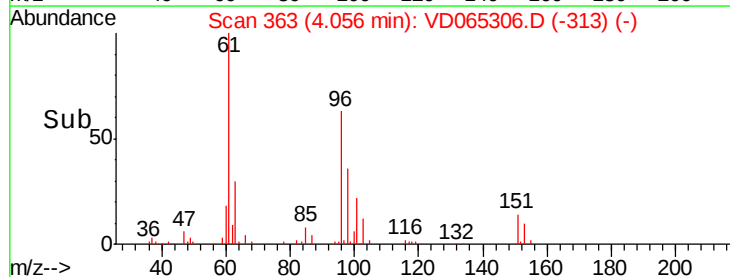
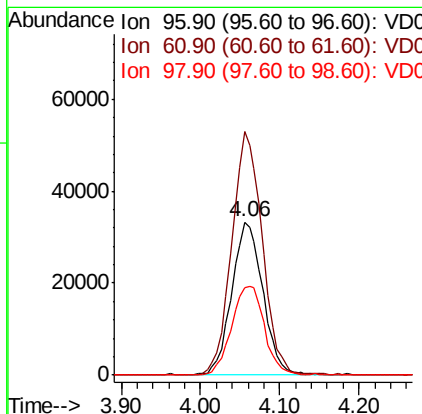
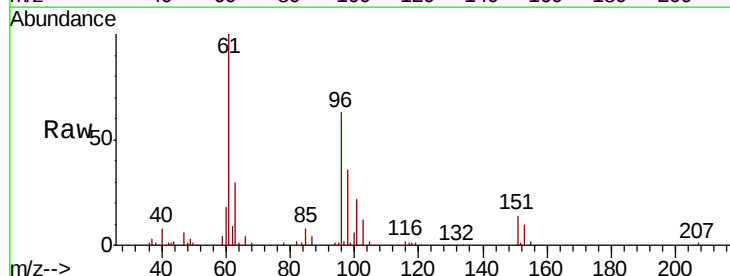
Tot Ion: 59 Resp: 23145
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

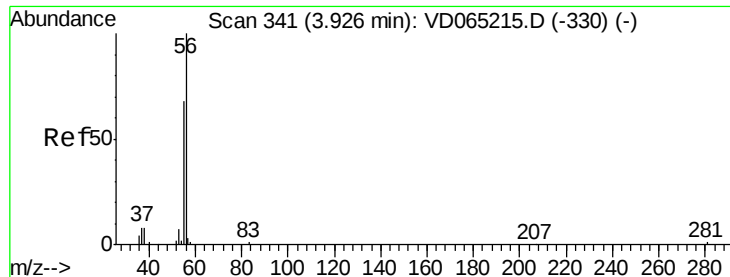


#12

1,1-Dichloroethene
Concen: 20.868 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 96 Resp: 90551
Ion Ratio Lower Upper
96 100
61 159.2 123.3 184.9
98 56.8 51.0 76.4





#13

Acrolein

Concen: 105.363 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

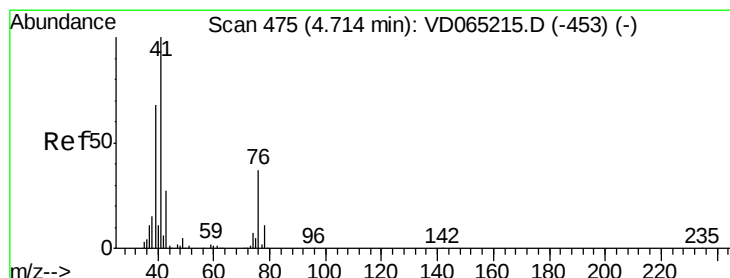
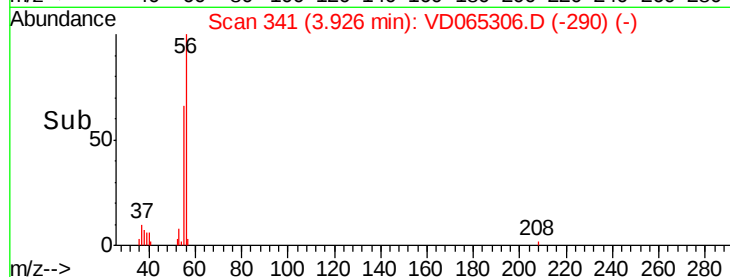
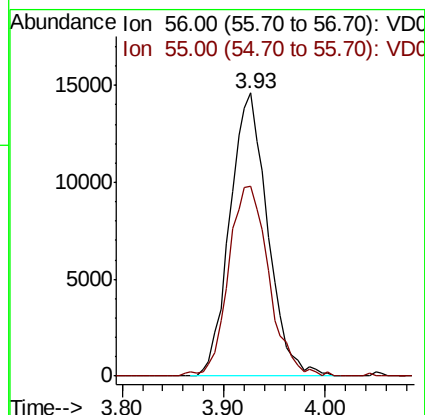
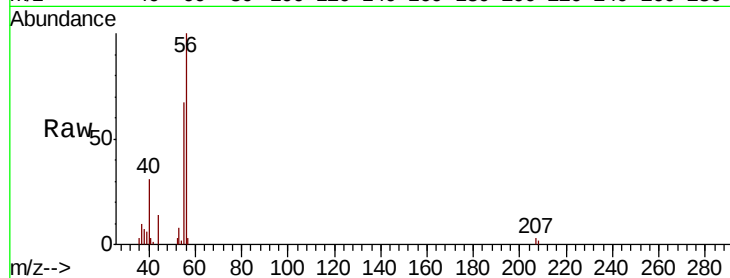
ClientSampleId :

Tot Ion: 56 Resp: 37687

Ion Ratio Lower Upper

56 100

55 71.6 56.6 85.0



#14

Allyl chloride

Concen: 19.537 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

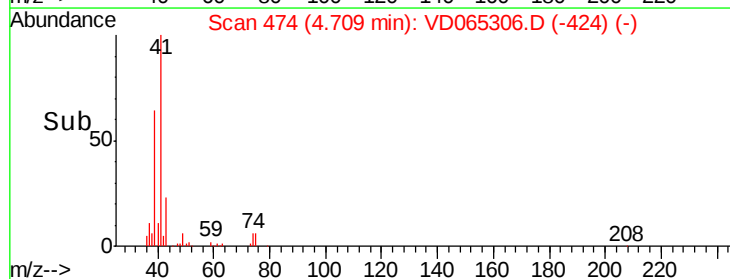
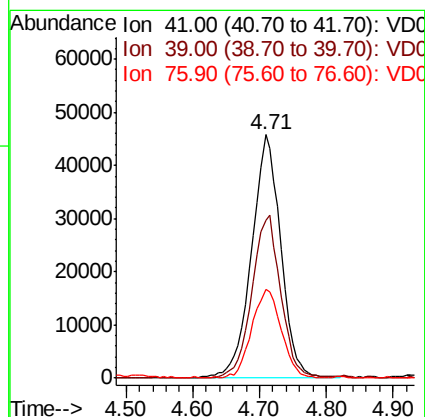
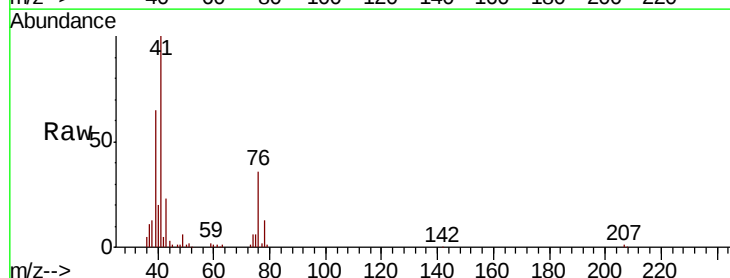
Tgt Ion: 41 Resp: 137668

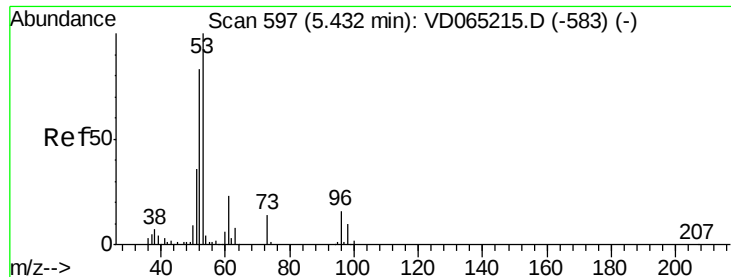
Ion Ratio Lower Upper

41 100

39 65.8 53.8 80.6

76 36.7 28.7 43.1





#15

Acrylonitrile

Concen: 99.082 ug/l

RT: 5.43 min Scan# 597

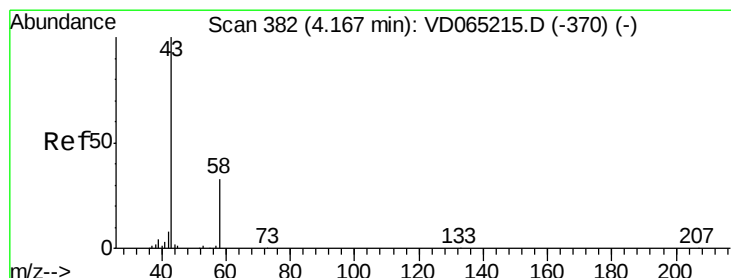
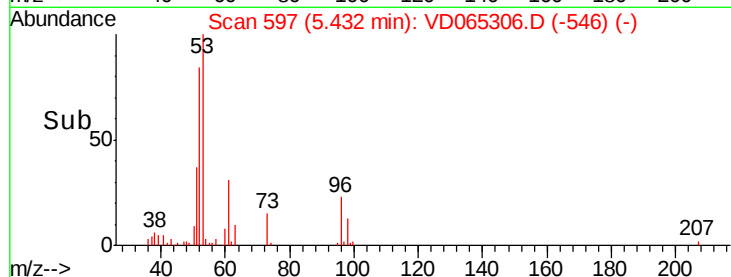
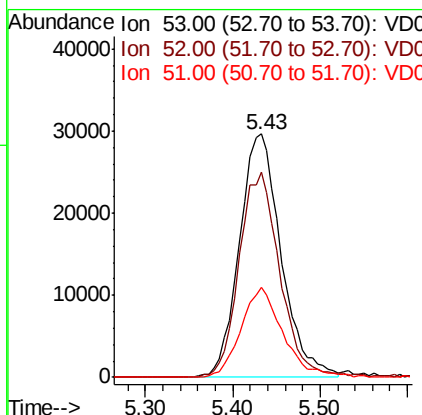
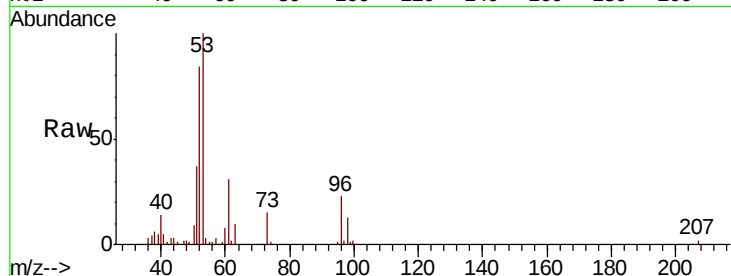
Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	96318
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.4	98.2
51	37.0	29.5	44.3



#16

Acetone

Concen: 89.796 ug/l

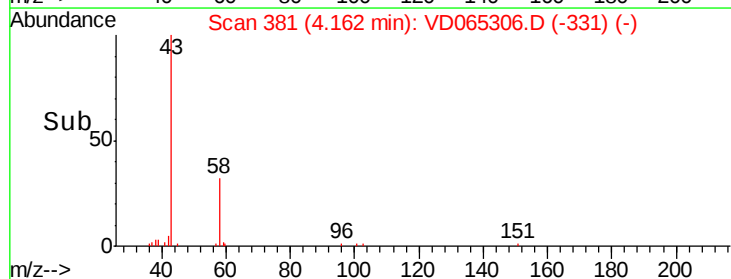
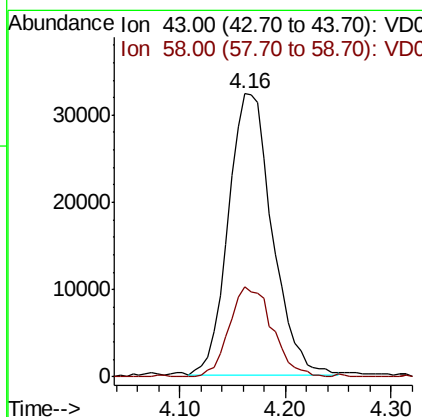
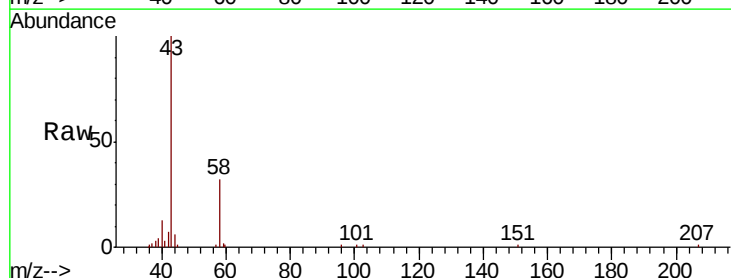
RT: 4.16 min Scan# 381

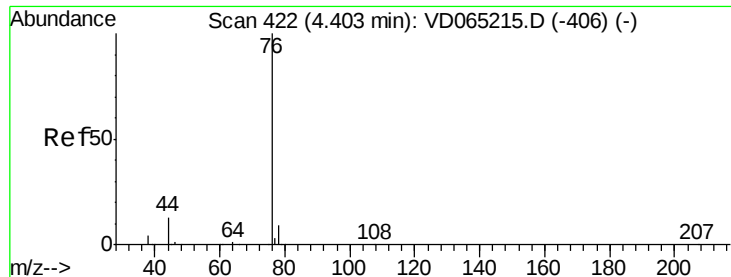
Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion:	43	Resp:	92420
Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.2	39.2

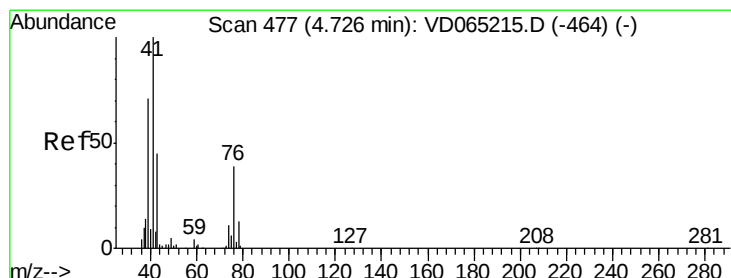
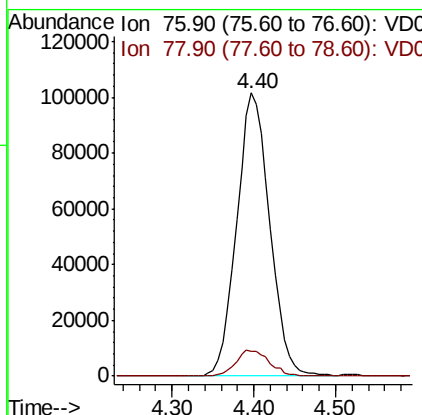
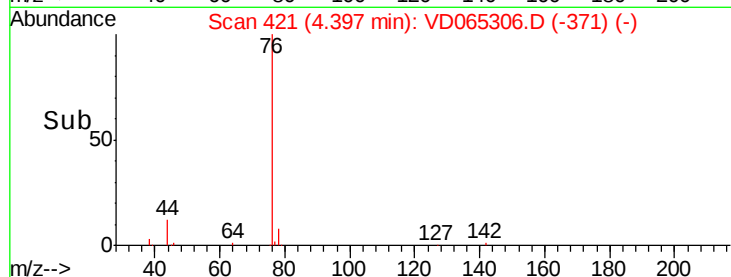
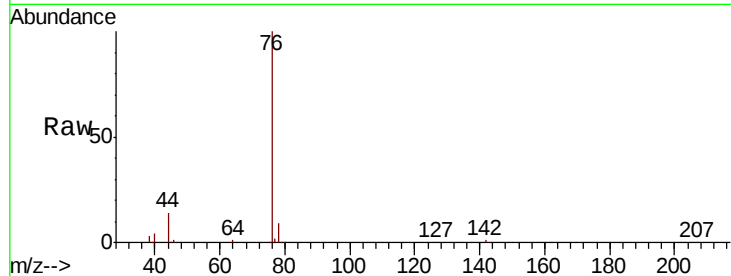




#17
Carbon Disulfide
Concen: 19.566 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

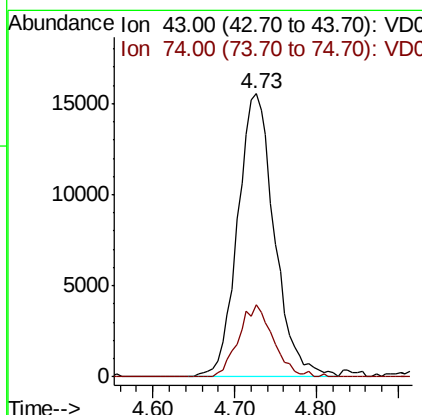
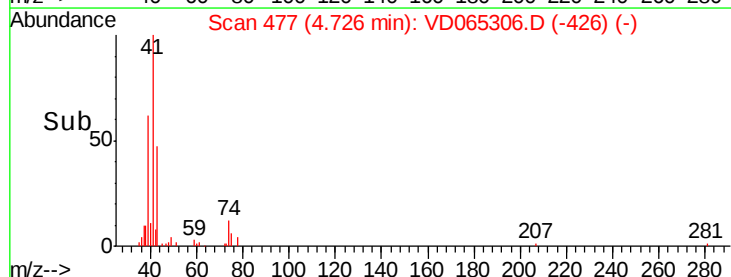
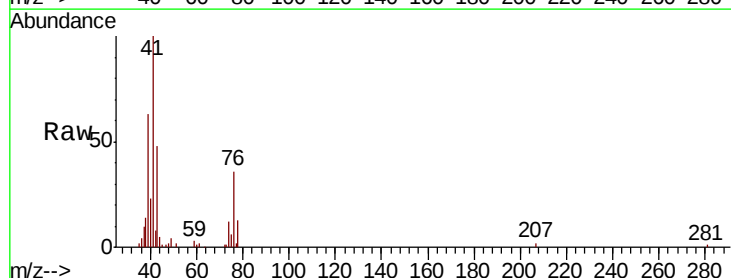
Instrument :
MSVOA_D
ClientSampled :

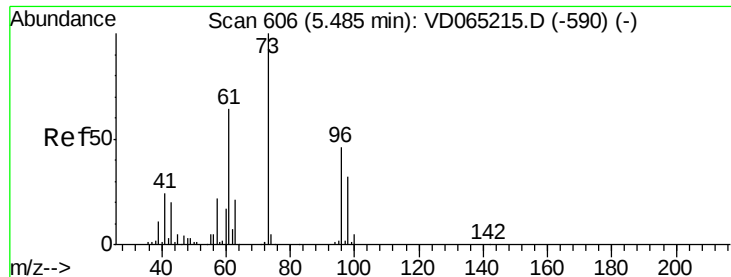
Tot Ion: 76 Resp: 284649
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 20.964 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 43 Resp: 48527
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2



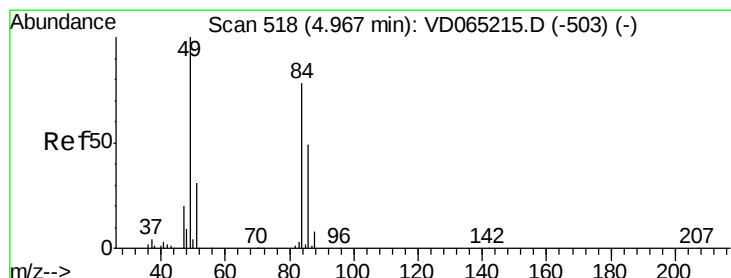
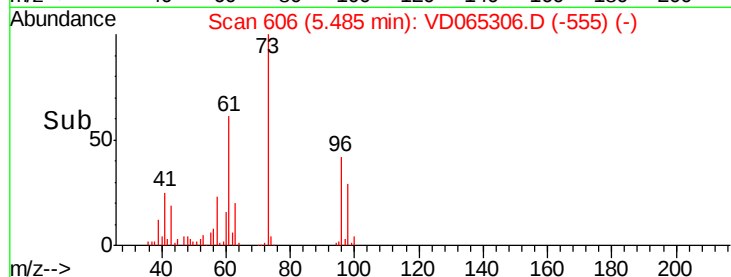
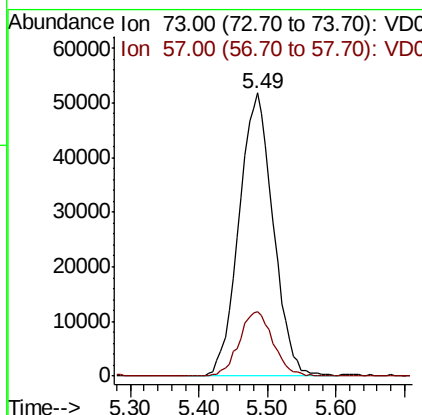
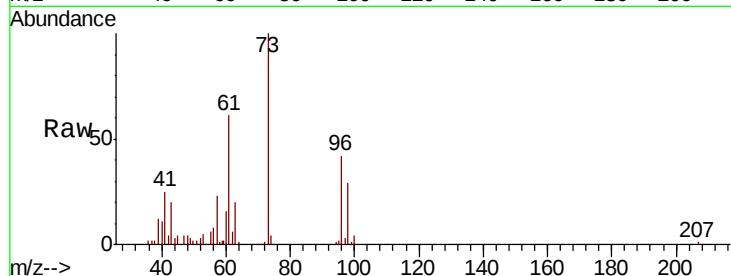


#19

Methyl tert-butyl Ether
 Concen: 19.791 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleID :

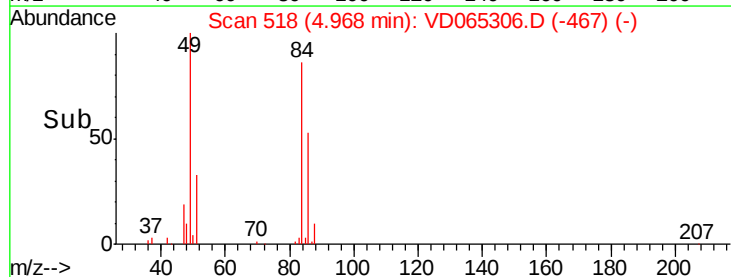
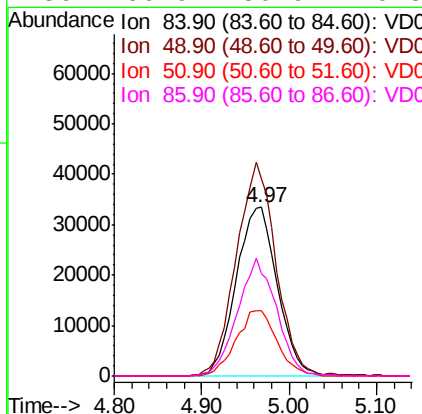
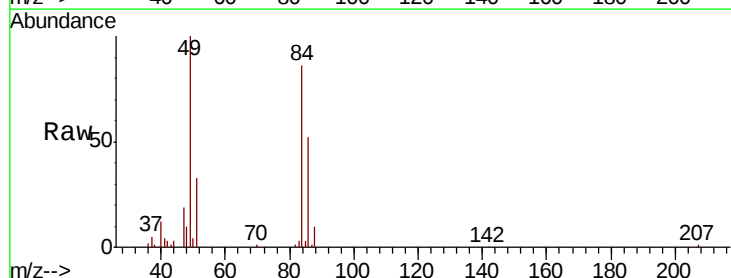
Tot Ion: 73 Resp: 179084
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.3 25.9

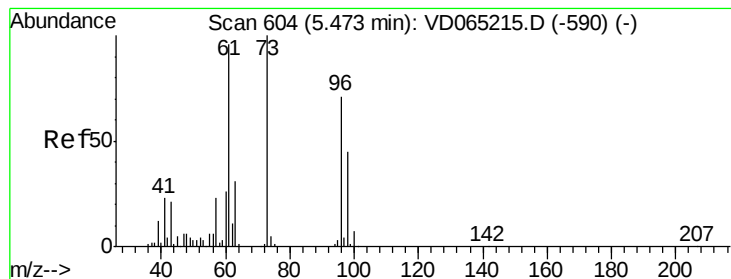


#20

Methylene Chloride
 Concen: 20.683 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion: 84 Resp: 107148
 Ion Ratio Lower Upper
 84 100
 49 116.5 103.1 154.7
 51 38.7 31.7 47.5
 86 60.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.438 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :

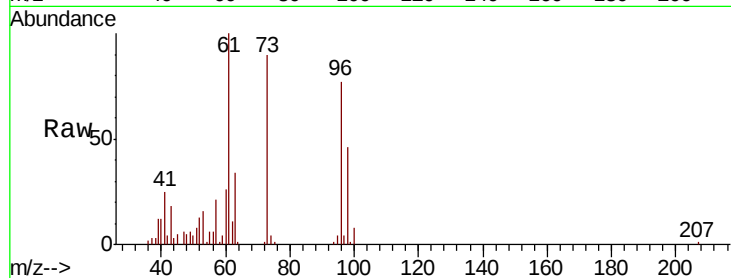
Tot Ion: 96 Resp: 100820

Ion Ratio Lower Upper

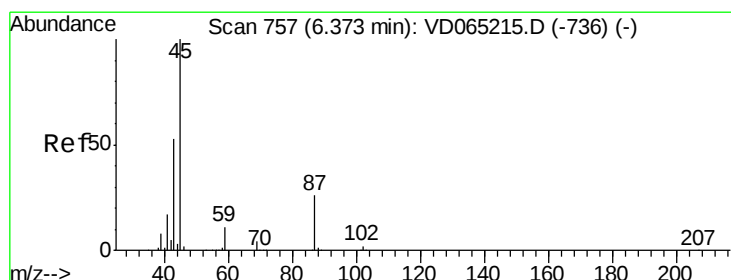
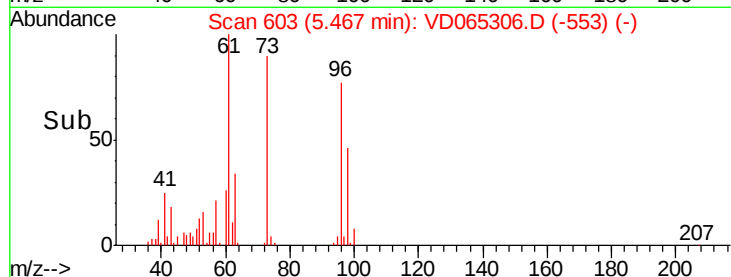
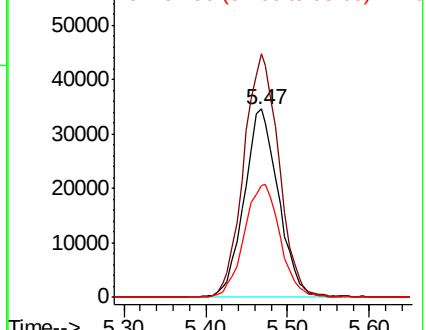
96 100

61 129.3 108.3 162.5

98 59.4 50.7 76.1



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



#22

Diisopropyl ether

Concen: 20.322 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion: 45 Resp: 276055

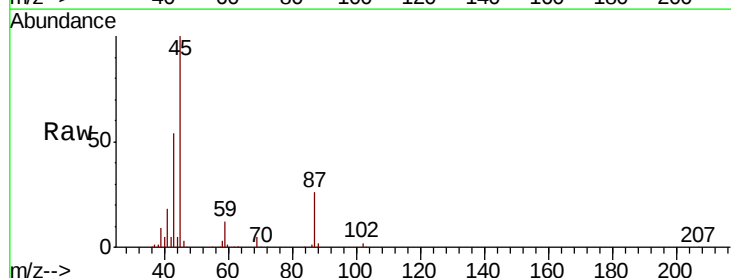
Ion Ratio Lower Upper

45 100

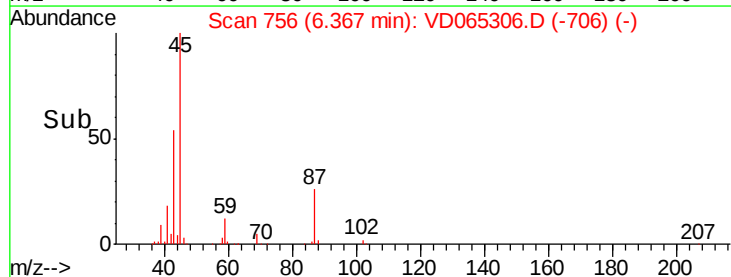
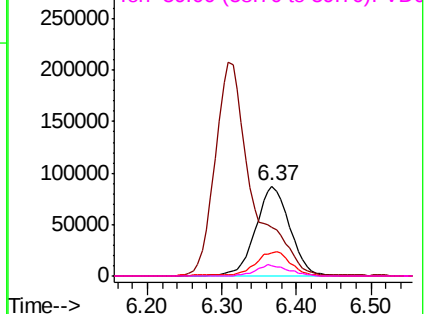
43 53.0 42.6 64.0

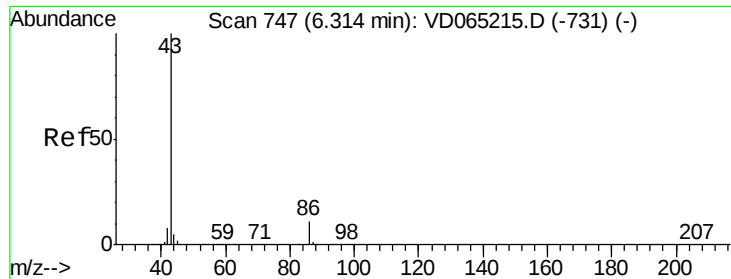
87 26.0 21.2 31.8

59 11.5 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: 95.438 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

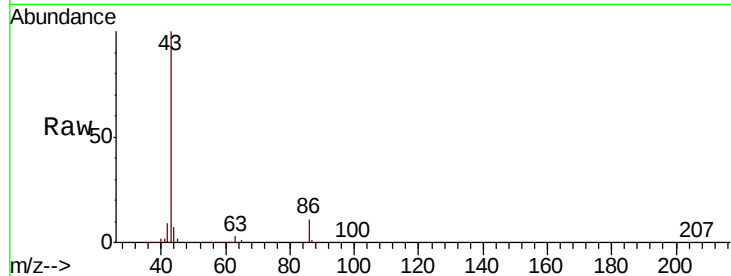
ClientSampleId :

Tot Ion: 43 Resp: 714729

Ion Ratio Lower Upper

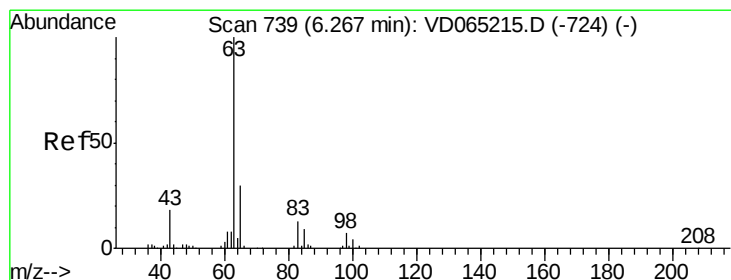
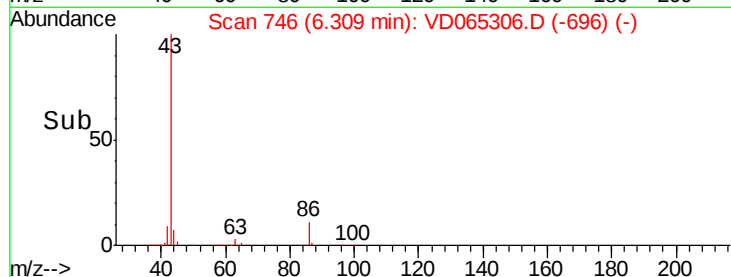
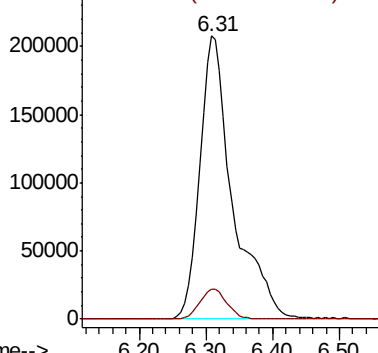
43 100

86 10.6 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: 20.505 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

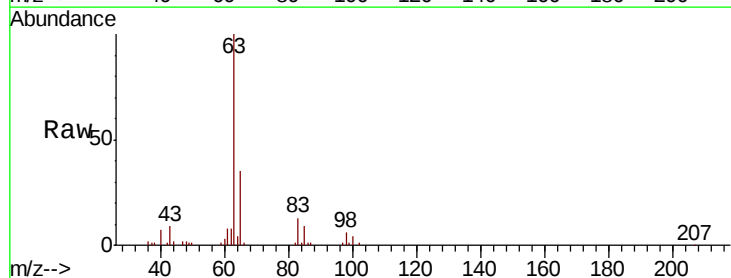
Tgt Ion: 63 Resp: 172771

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

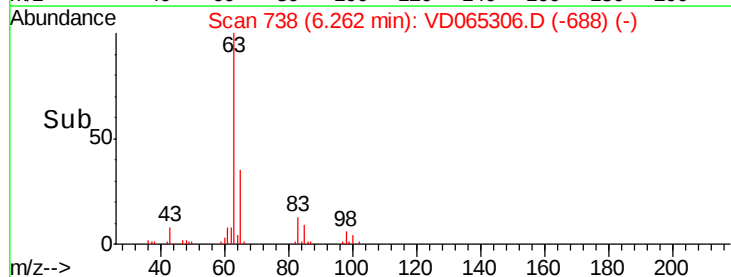
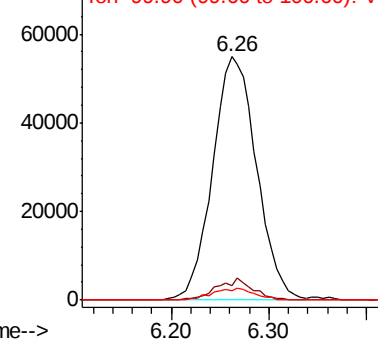
100 3.9 2.3 6.8



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: 92.453 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

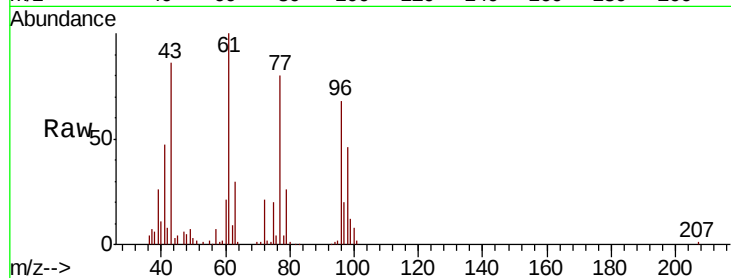
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 120391

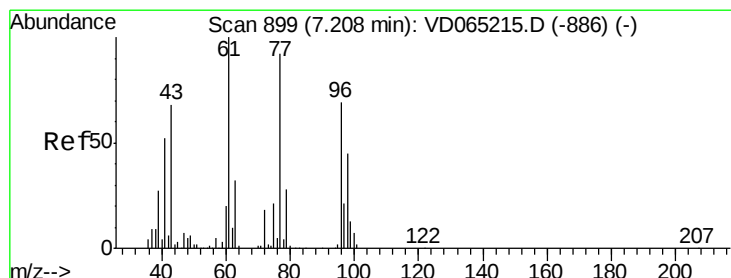
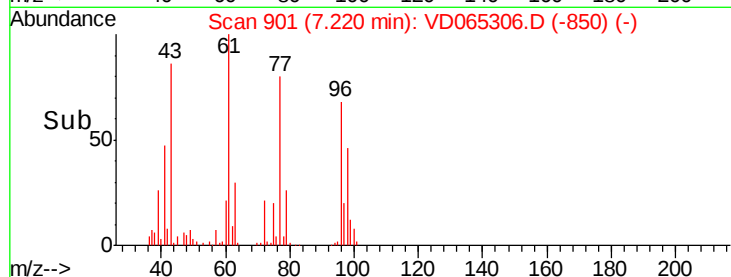
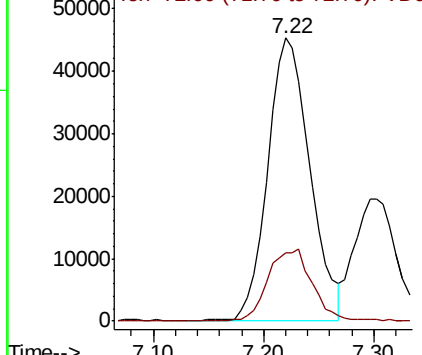
Ion Ratio Lower Upper

43 100

72 24.3 20.9 31.3



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



#26

2,2-Dichloropropane

Concen: 20.127 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065306.D

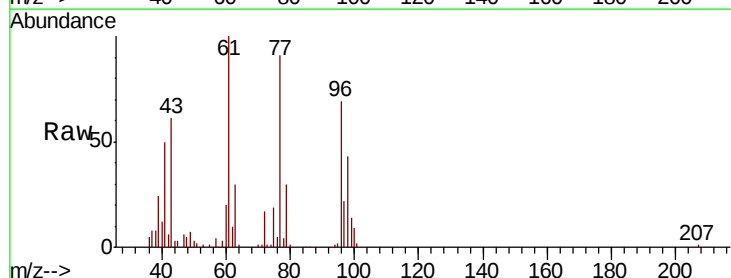
Acq: 25 Feb 2020 12:46

Tgt Ion: 77 Resp: 147136

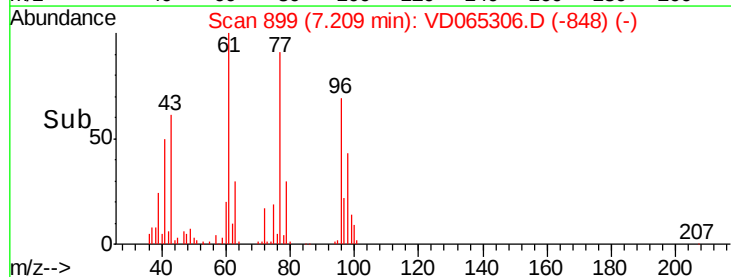
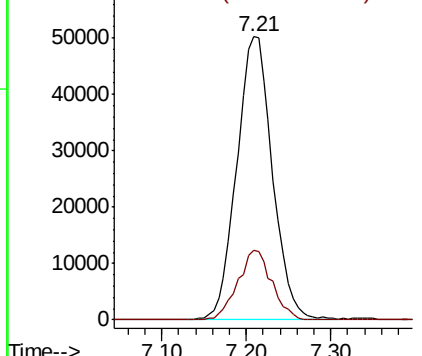
Ion Ratio Lower Upper

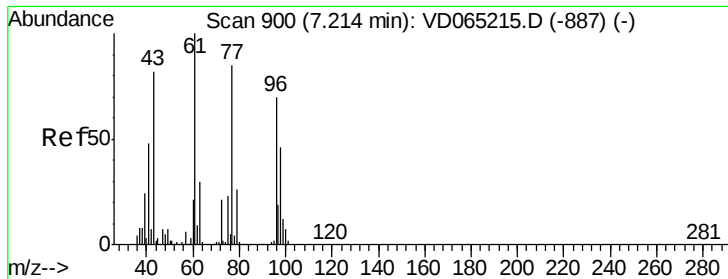
77 100

97 23.4 11.7 35.1



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



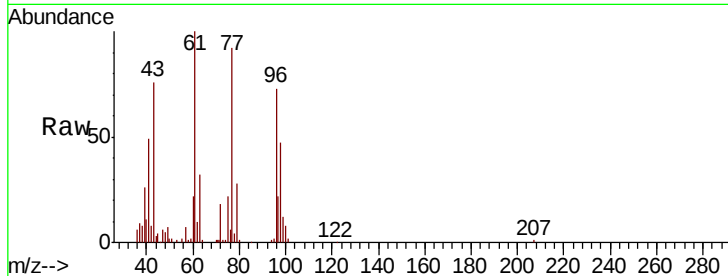


#27

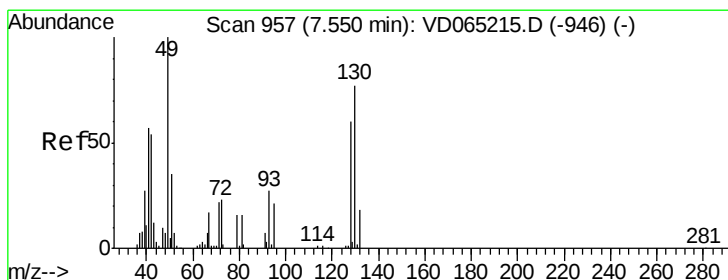
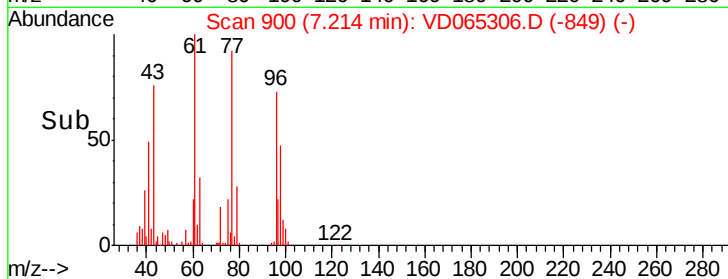
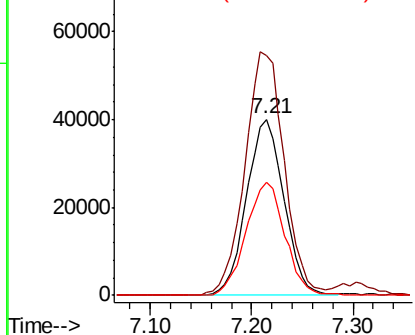
cis-1,2-Dichloroethene
 Concen: 19.786 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	286.0
98	66.7	0.0	127.8



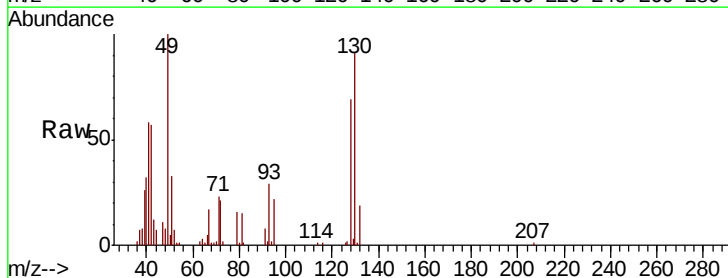
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



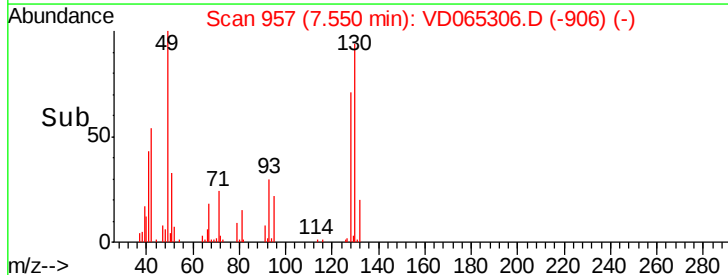
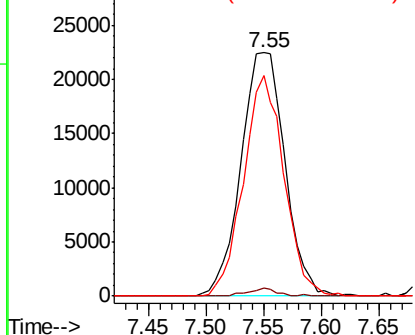
#28

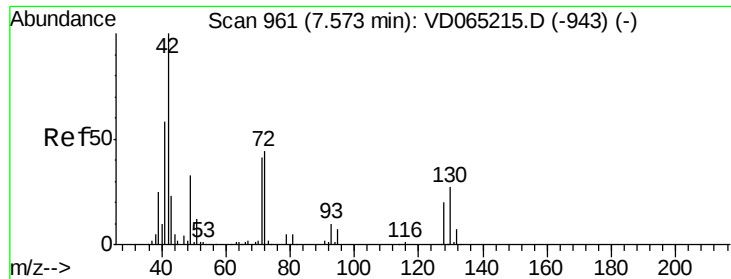
Bromochloromethane
 Concen: 19.106 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	83.2	64.7	97.1



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

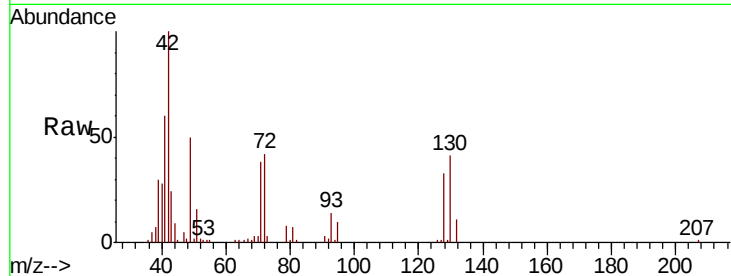




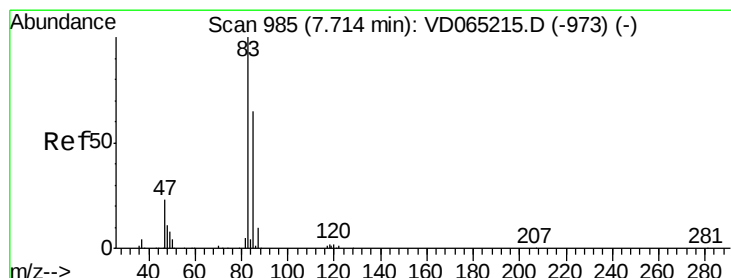
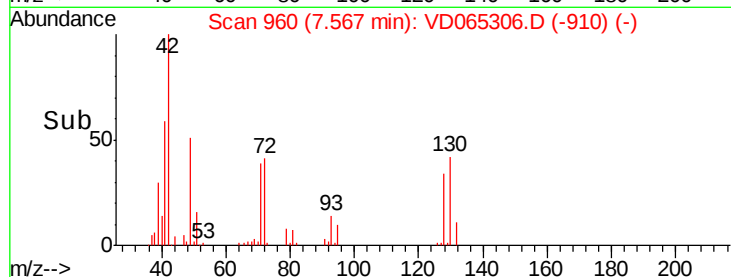
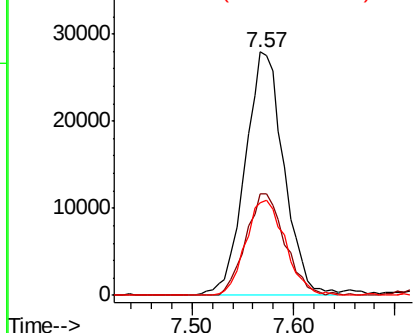
#29
Tetrahydrofuran
Concen: 97.377 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 74297
Ion Ratio Lower Upper
42 100
72 41.7 33.7 50.5
71 39.9 31.4 47.2

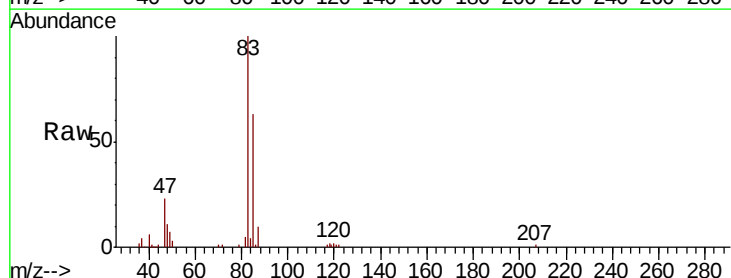


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

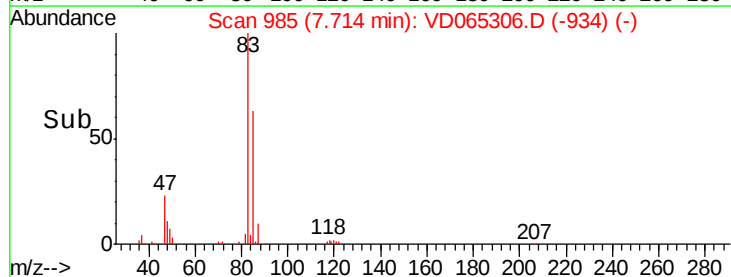
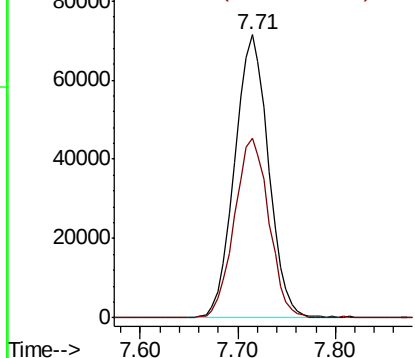


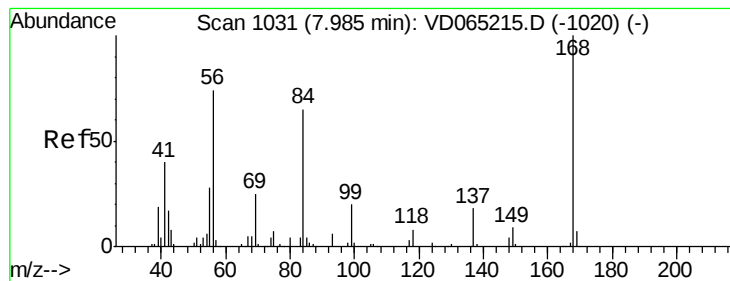
#30
Chloroform
Concen: 20.263 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 83 Resp: 172009
Ion Ratio Lower Upper
83 100
85 63.4 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: 20.471 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

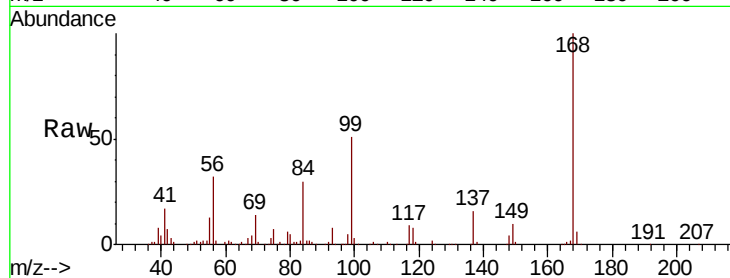
Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

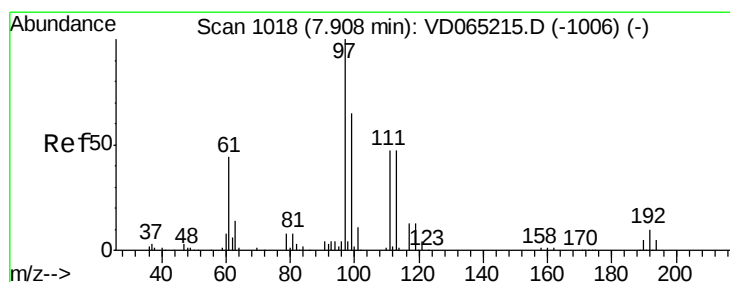
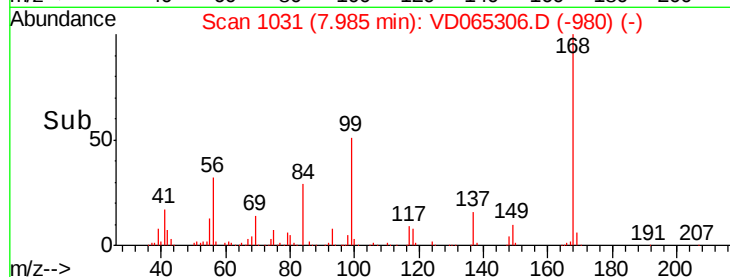
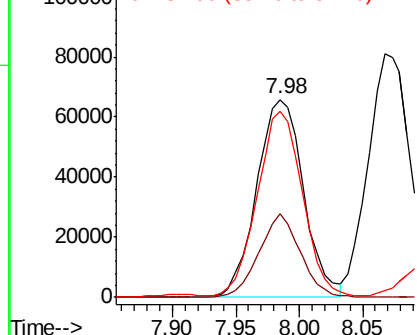
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 169469

Ion	Ratio	Lower	Upper
56	100		
69	42.4	27.4	41.0#
84	92.3	71.1	106.7



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



#32

1,1,1-Trichloroethane

Concen: 20.639 ug/l

RT: 7.91 min Scan# 1018

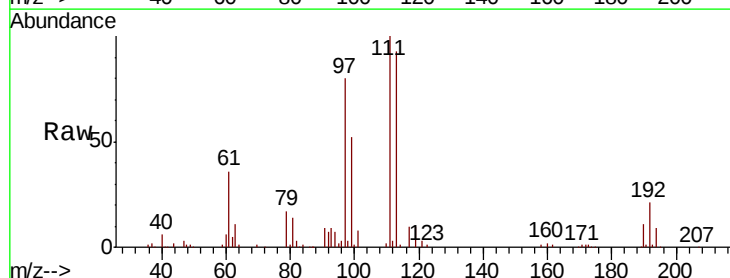
Delta R.T. 0.00 min

Lab File: VD065306.D

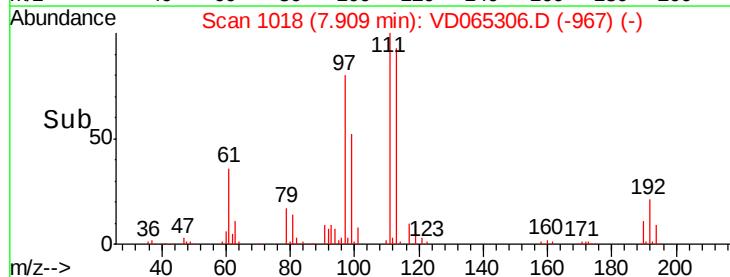
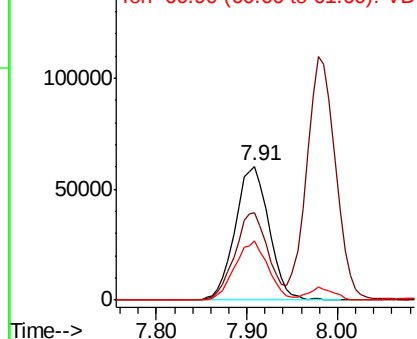
Acq: 25 Feb 2020 12:46

Tgt Ion: 97 Resp: 156756

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	43.6	34.8	52.2



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





#33

1,2-Dichloroethane-d4

Concen: 49.938 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

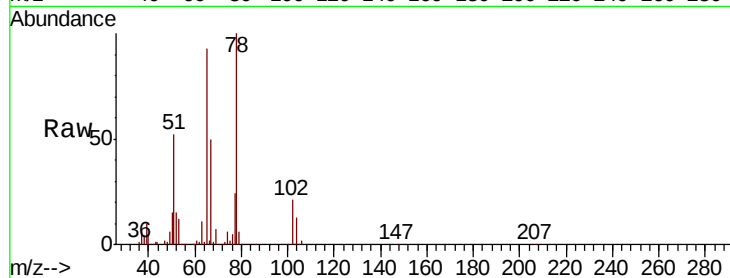
ClientSampleId :

Tot Ion: 65 Resp: 210256

Ion Ratio Lower Upper

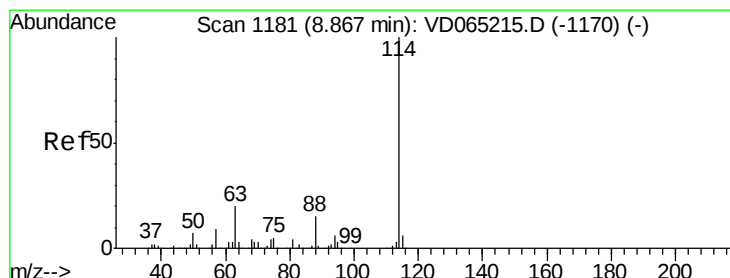
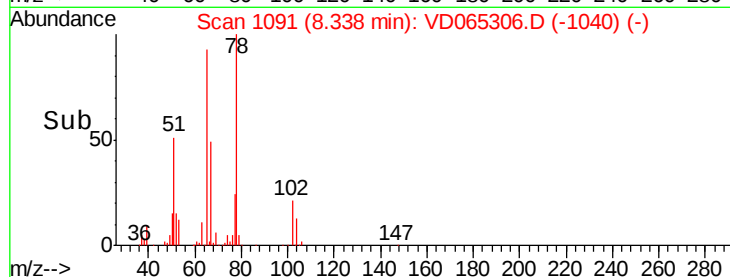
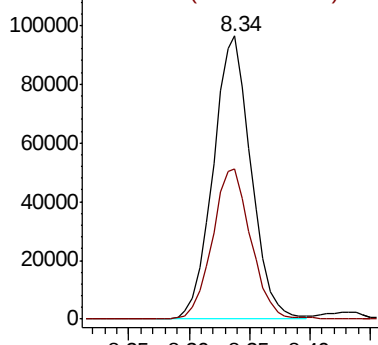
65 100

67 54.1 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: VD065306.D

Acq: 25 Feb 2020 12:46

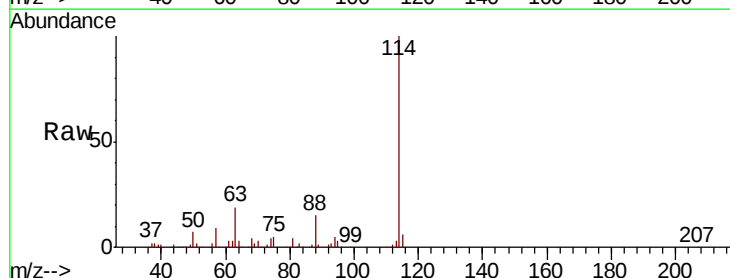
Tgt Ion: 114 Resp: 695784

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.4

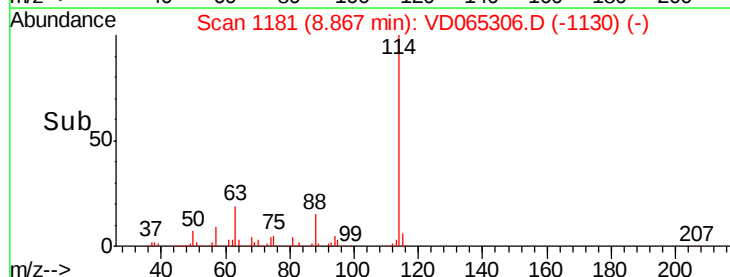
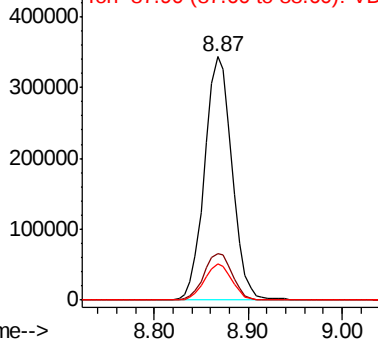
88 14.8 0.0 30.4

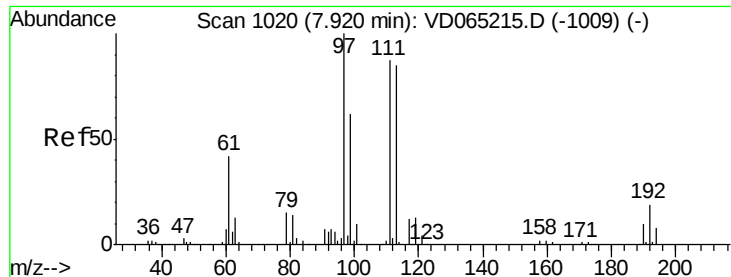


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

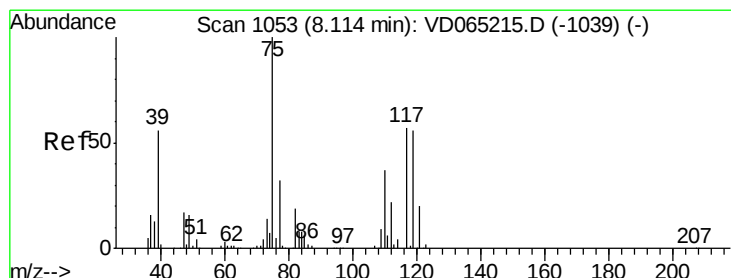
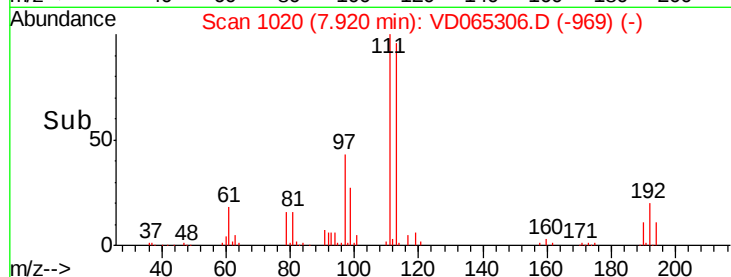
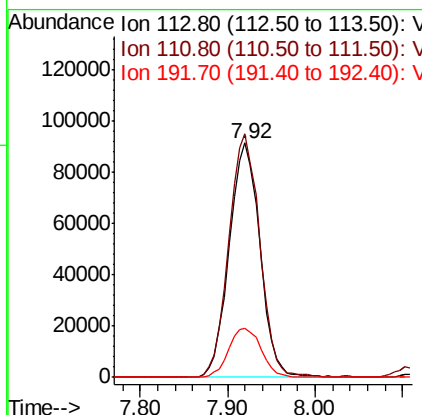
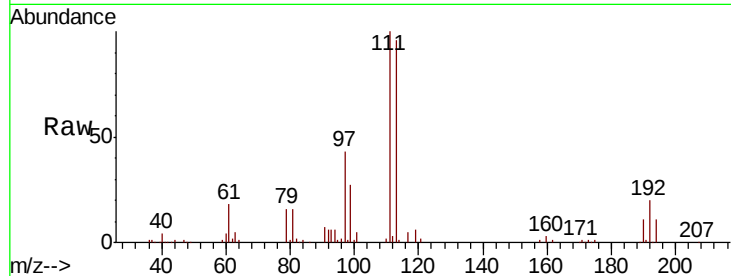




#35
 Dibromofluoromethane
 Concen: 51.395 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

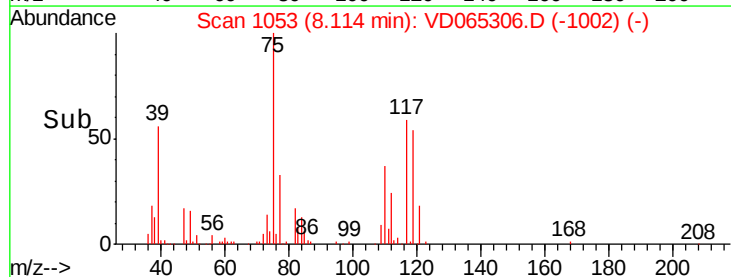
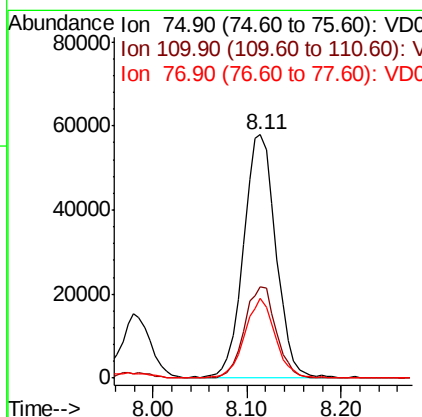
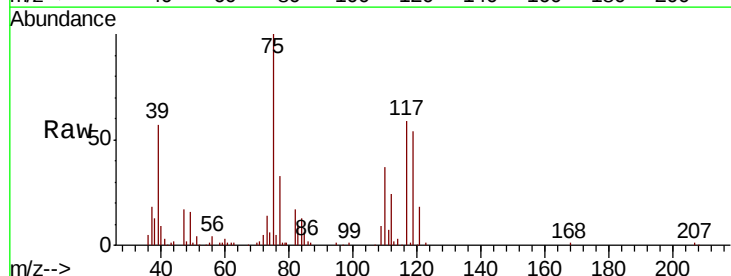
Instrument :
 MSVOA_D
 ClientSampleId :

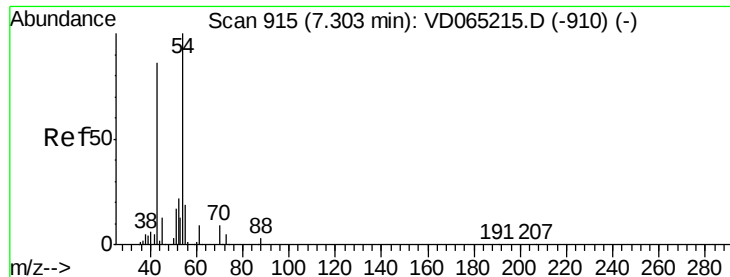
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	22.0	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 20.452 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	31.1	25.1	37.7

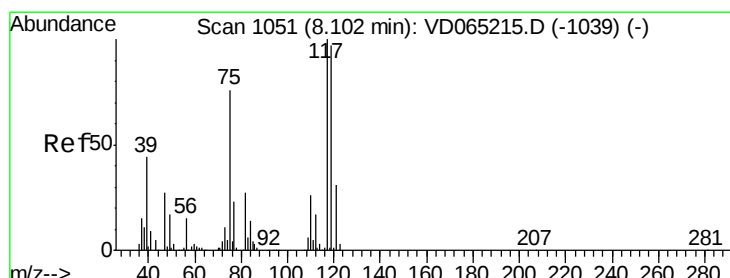
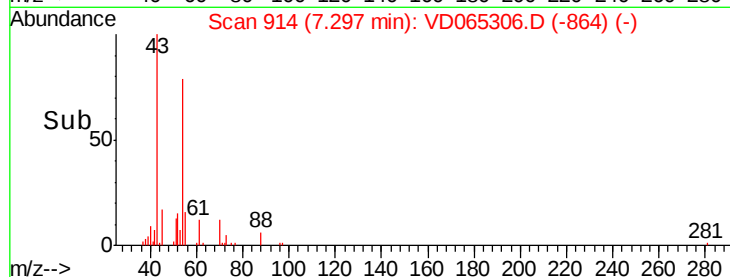
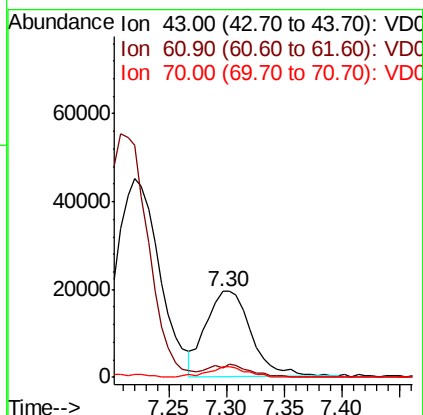
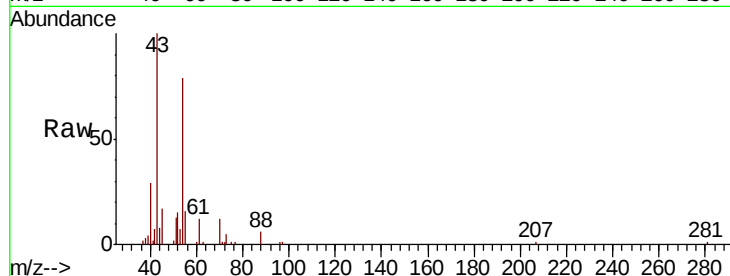




#37
Ethyl Acetate
Concen: 18.507 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

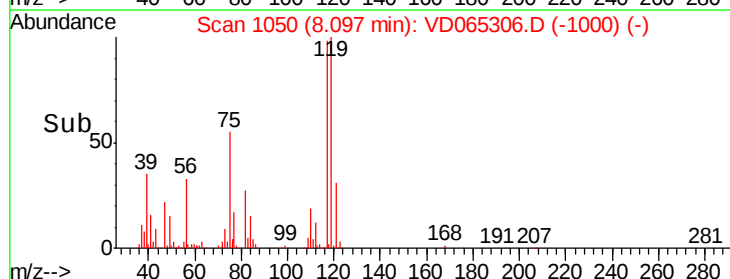
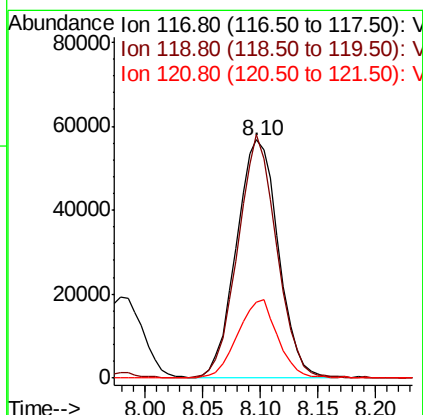
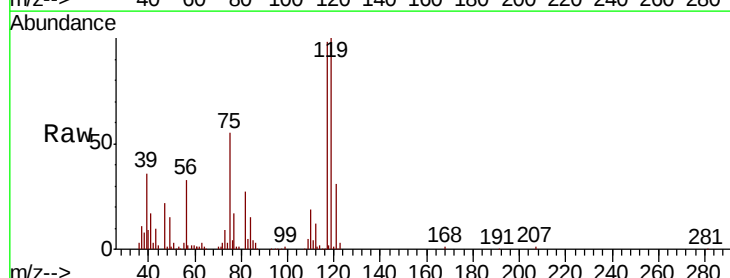
Instrument :
MSVOA_D
ClientSampleId :

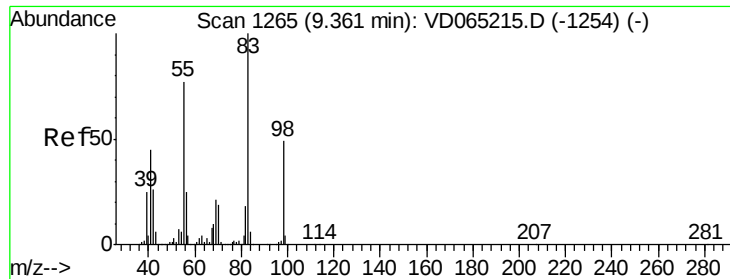
Tot Ion: 43 Resp: 52378
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 11.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.707 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 117 Resp: 142711
Ion Ratio Lower Upper
117 100
119 102.4 77.6 116.4
121 32.3 24.8 37.2

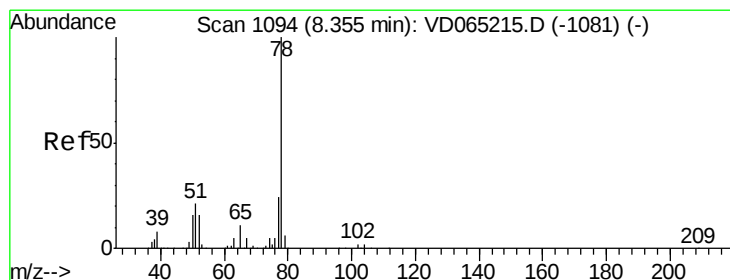
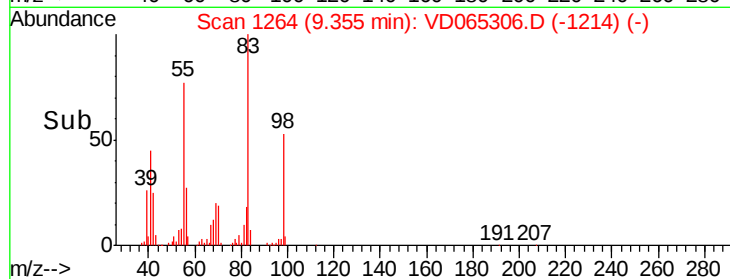
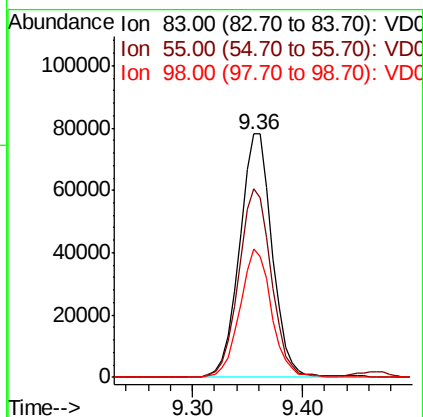
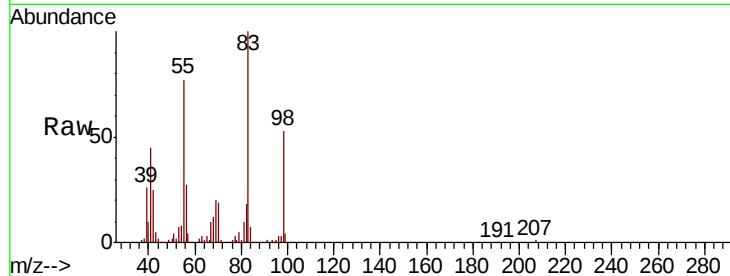




#39
Methvlcvclohexane
Concen: 20.341 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

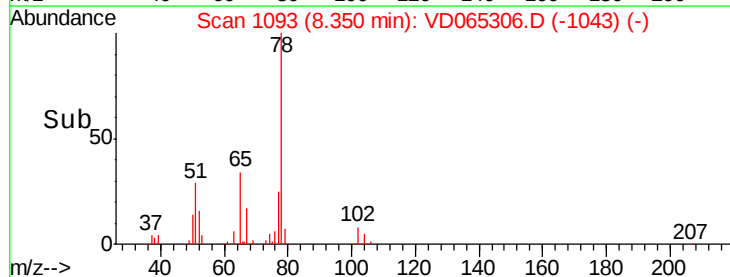
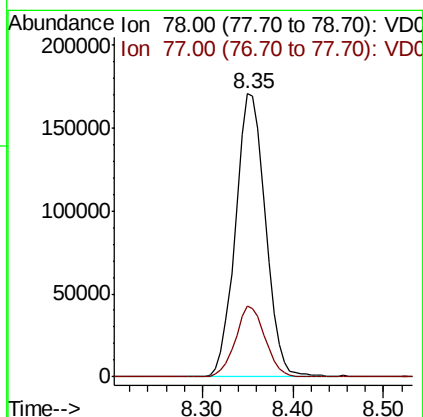
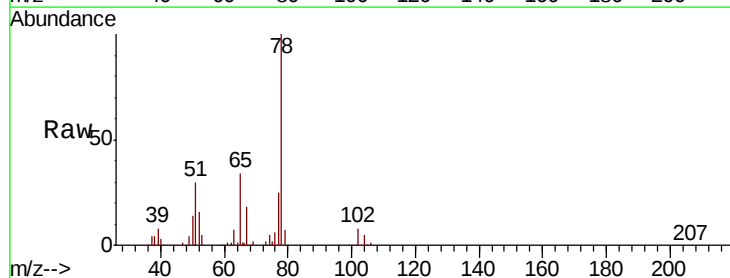
Instrument :
MSVOA_D
ClientSampleId :

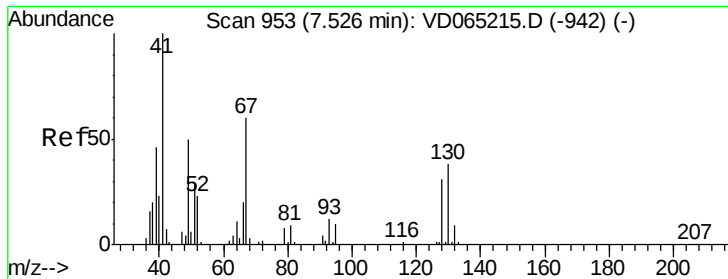
Tot Ion: 83 Resp: 161896
Ion Ratio Lower Upper
83 100
55 77.5 61.8 92.6
98 52.7 39.4 59.0



#40
Benzene
Concen: 20.529 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 78 Resp: 392288
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.6

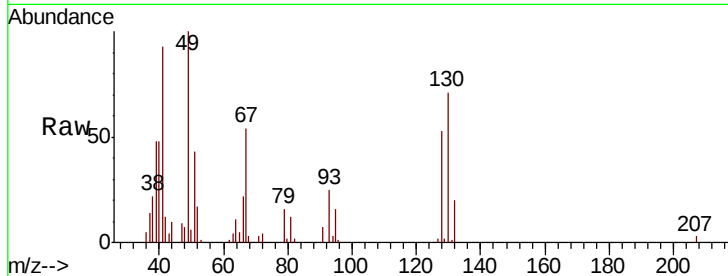




#41
Methacrylonitrile
Concen: 18.867 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	30831
Ion	Ratio	Lower	Upper
41	100		
39	60.0	48.1	72.1
67	69.5	58.9	88.3
52	29.8	24.2	36.2



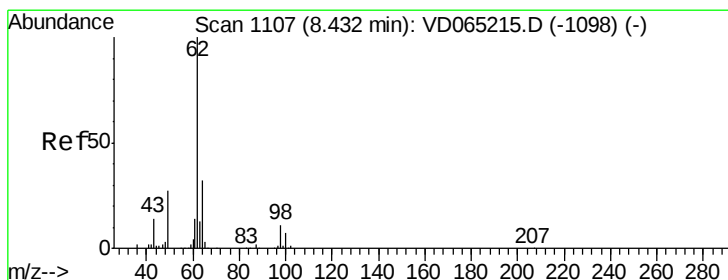
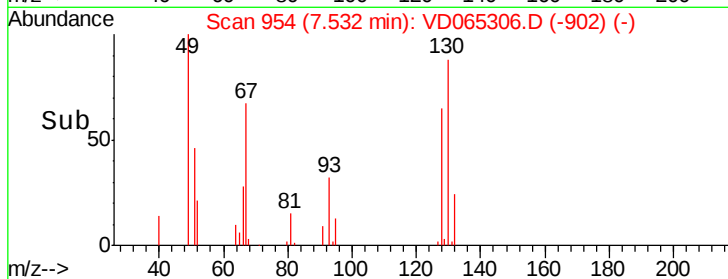
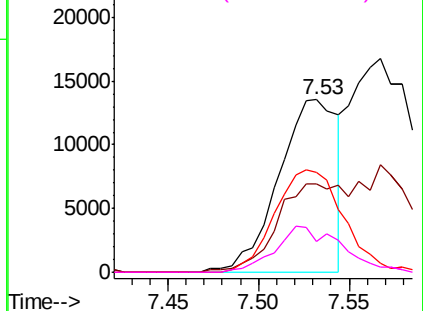
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

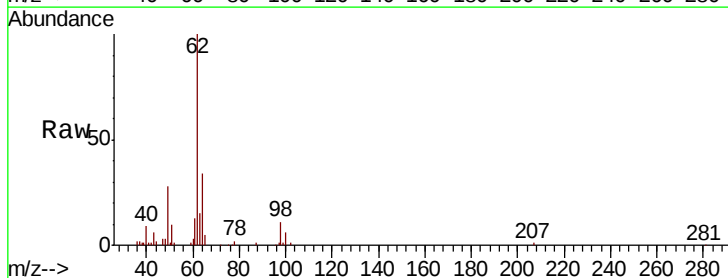
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 20.159 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

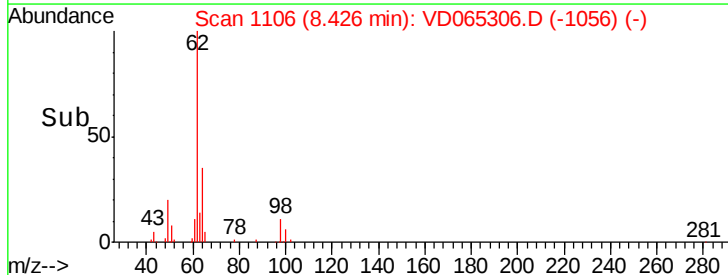
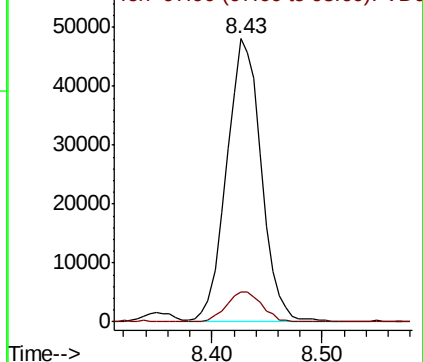
Tgt Ion:	62	Resp:	105900
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6

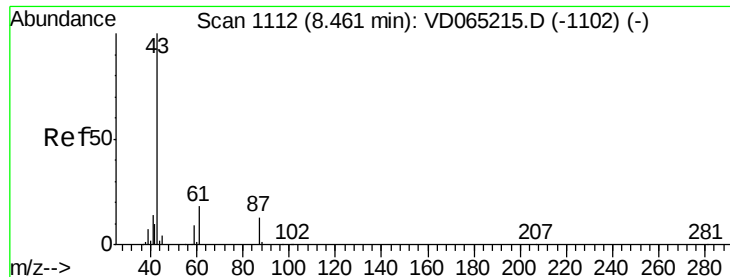


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.319 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

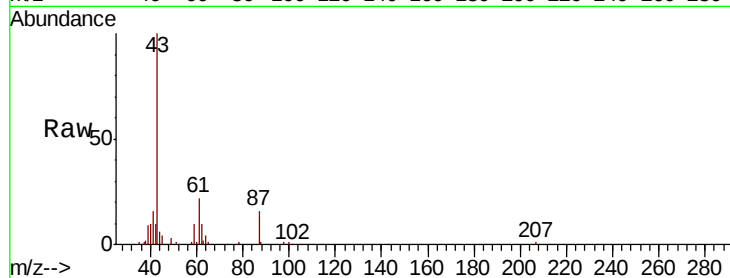
Tot Ion: 43 Resp: 99426

Ion Ratio Lower Upper

43 100

61 31.3 24.6 36.8

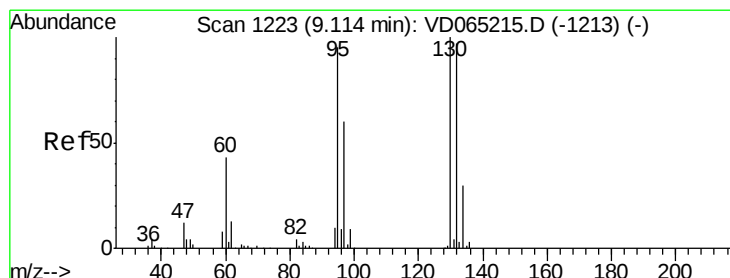
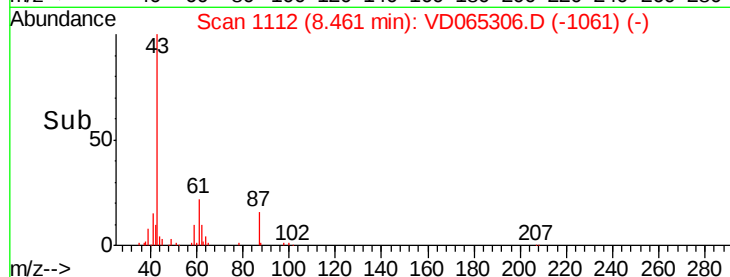
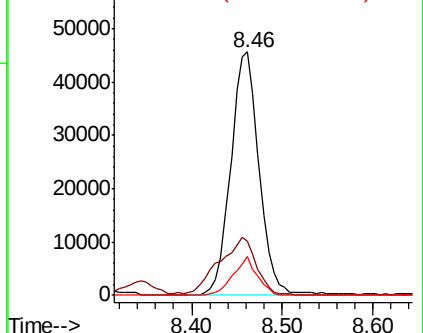
87 13.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.768 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065306.D

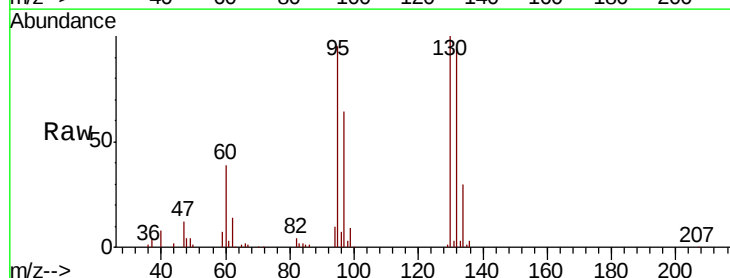
Acq: 25 Feb 2020 12:46

Tgt Ion:130 Resp: 110006

Ion Ratio Lower Upper

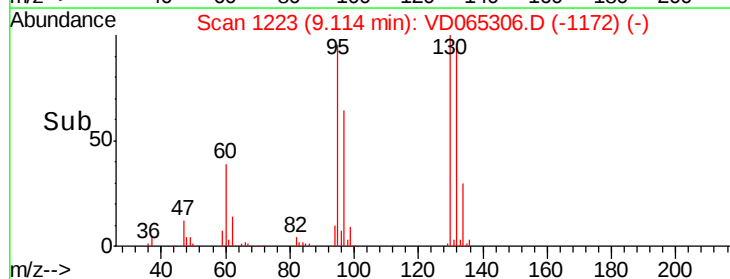
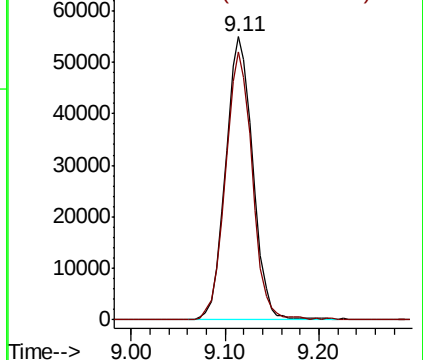
130 100

95 94.8 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: 20.415 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

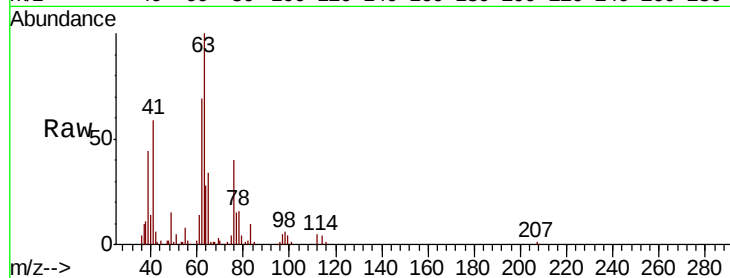
ClientSampled :

Tot Ion: 63 Resp: 97005

Ion Ratio Lower Upper

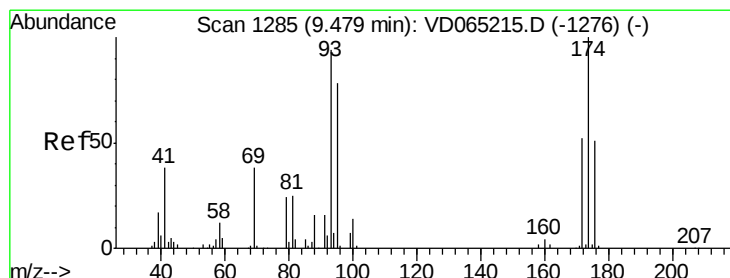
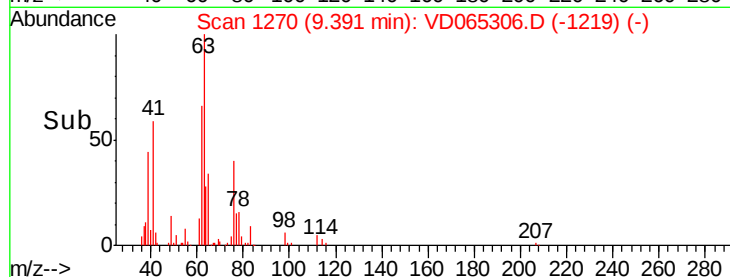
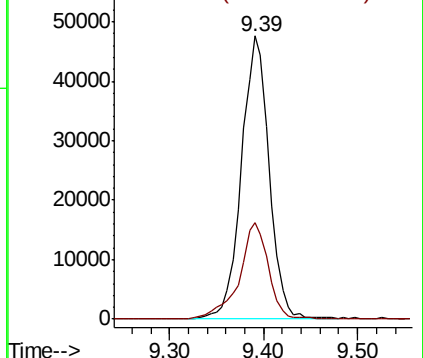
63 100

65 34.3 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.086 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

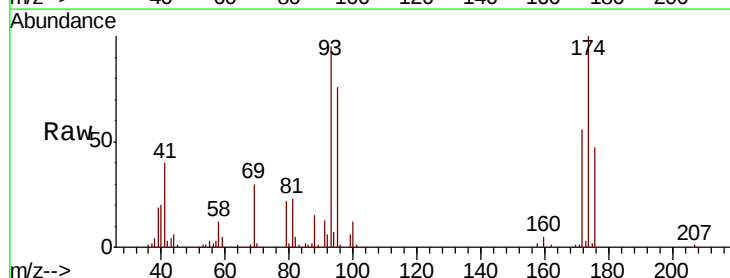
Tgt Ion: 93 Resp: 49107

Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.6

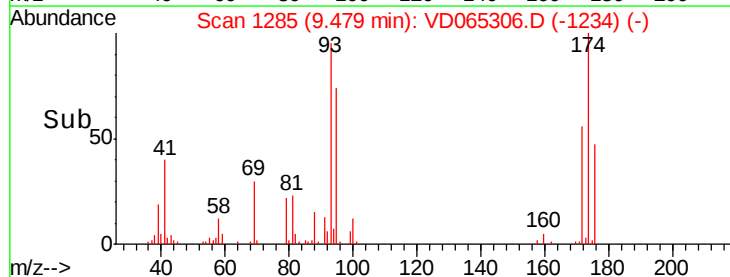
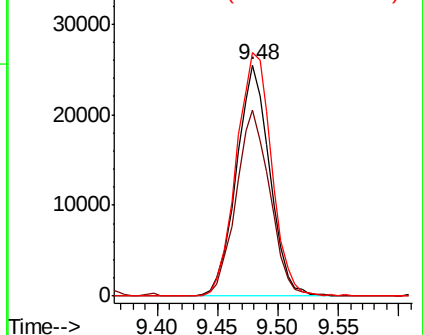
174 111.1 86.8 130.2

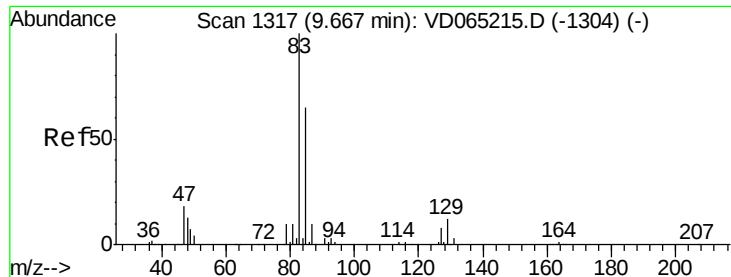


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

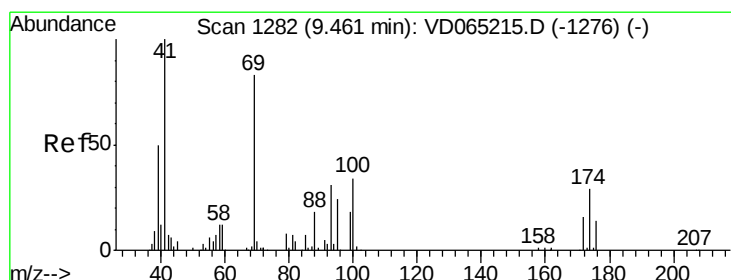
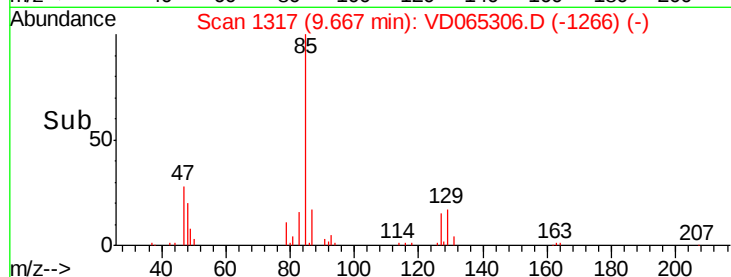
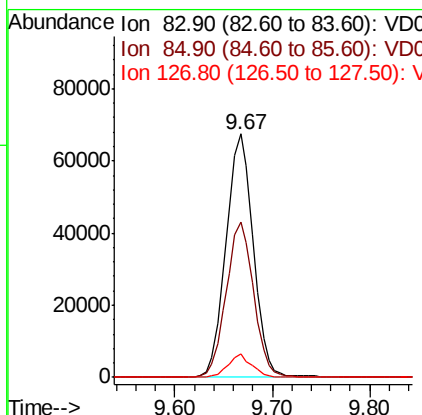
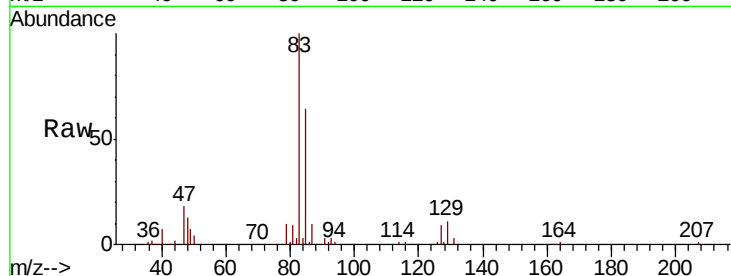




#47
Bromodichloromethane
Concen: 20.313 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

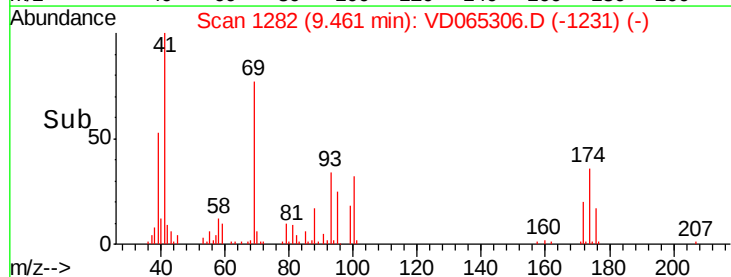
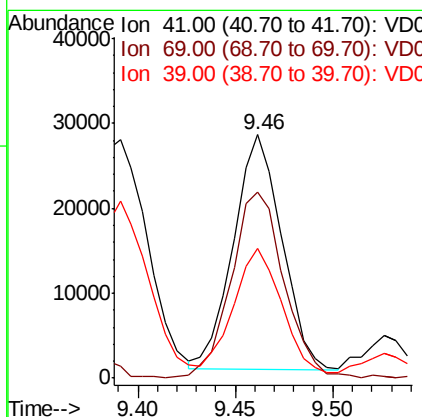
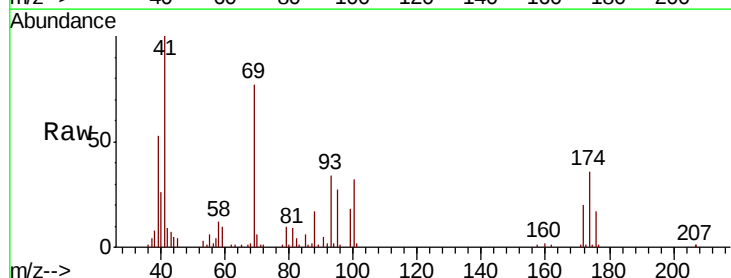
Instrument :
MSVOA_D
ClientSampleId :

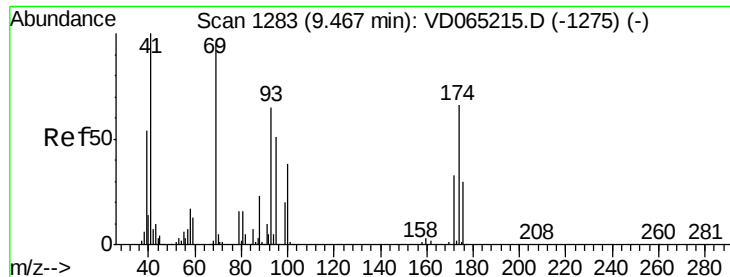
Tot Ion: 83 Resp: 130873
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0
127 9.4 6.7 10.1



#48
Methyl methacrylate
Concen: 19.868 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 41 Resp: 47264
Ion Ratio Lower Upper
41 100
69 87.3 68.2 102.2
39 52.2 42.0 63.0

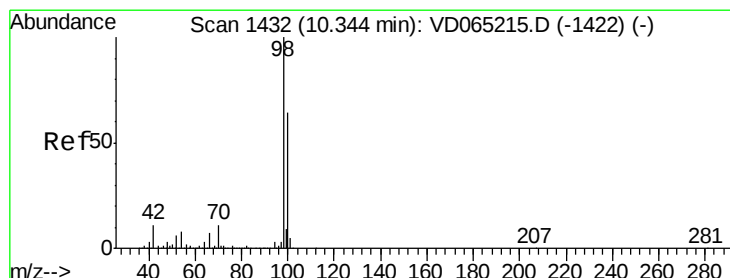
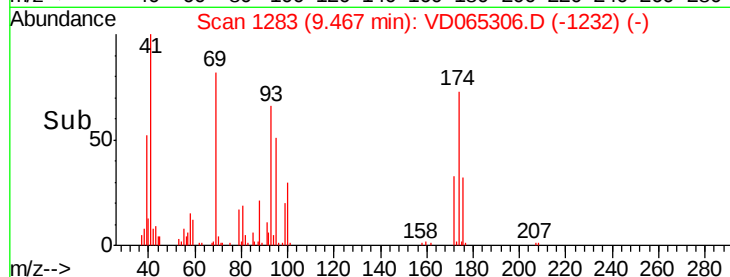
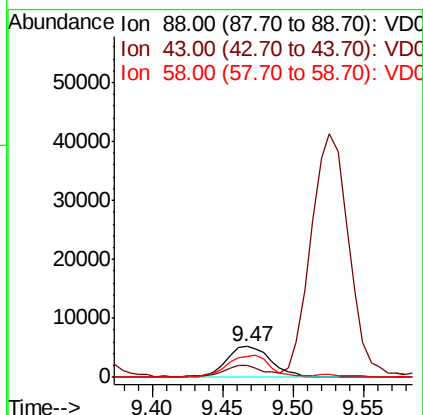
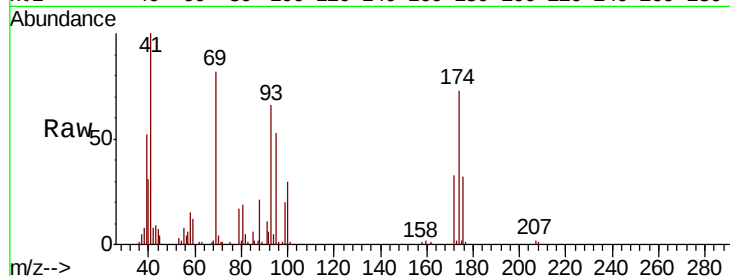




#49
1,4-Dioxane
Concen: 399.772 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

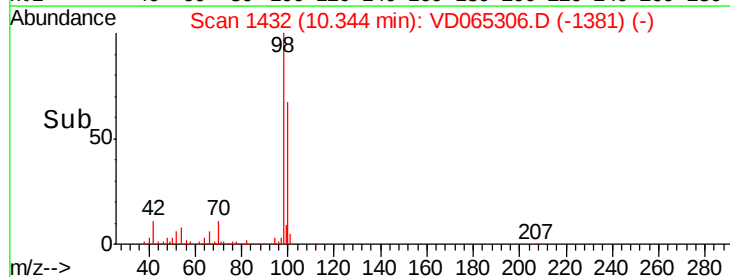
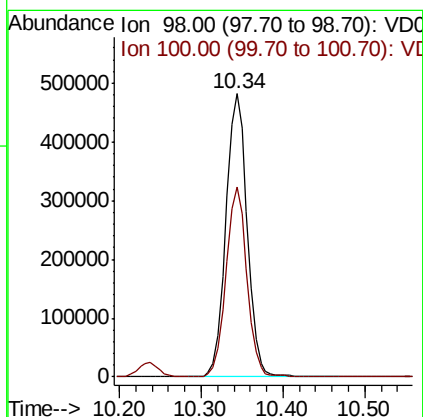
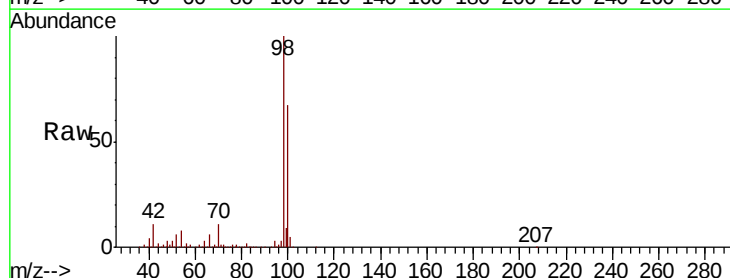
Instrument :
MSVOA_D
ClientSampleId :

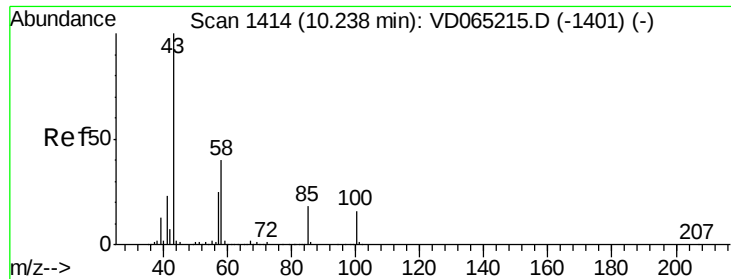
Tot Ion: 88 Resp: 11463
Ion Ratio Lower Upper
88 100
43 38.2 28.5 42.7
58 70.1 58.6 87.8



#50
Toluene-d8
Concen: 53.787 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 98 Resp: 872358
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

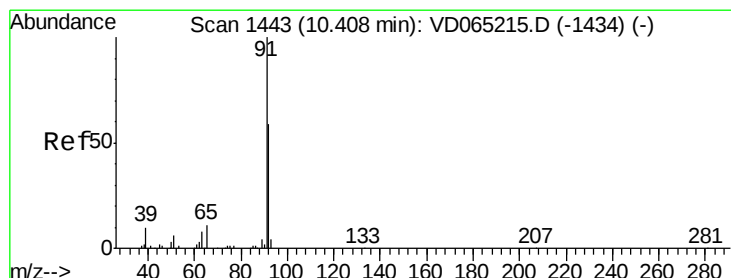
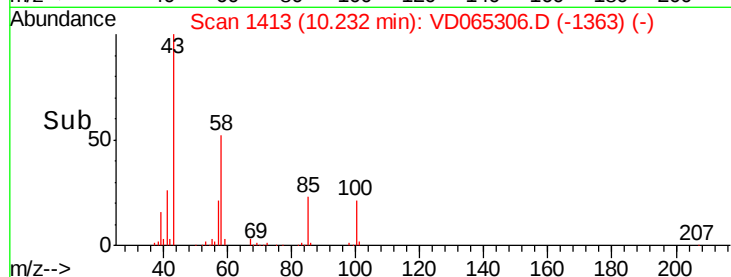
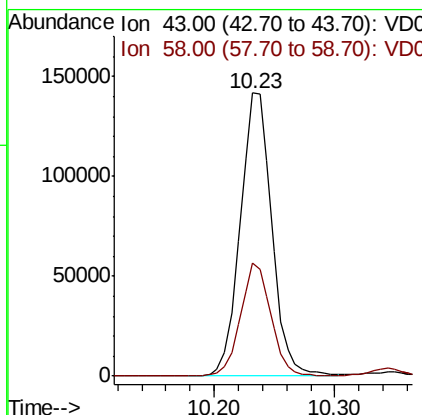
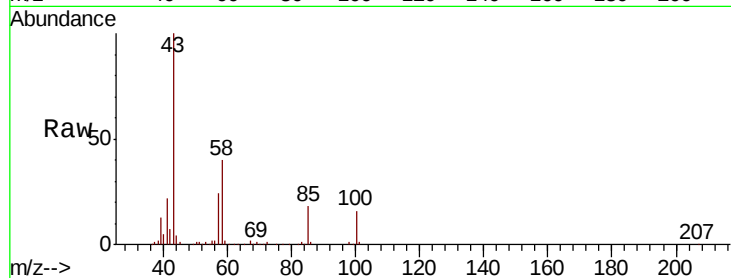




#51
4-Methyl-2-Pentanone
Concen: 99.383 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

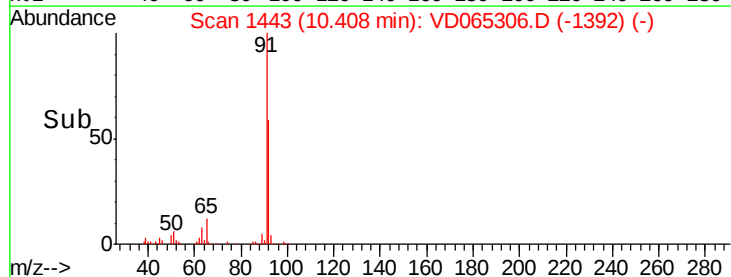
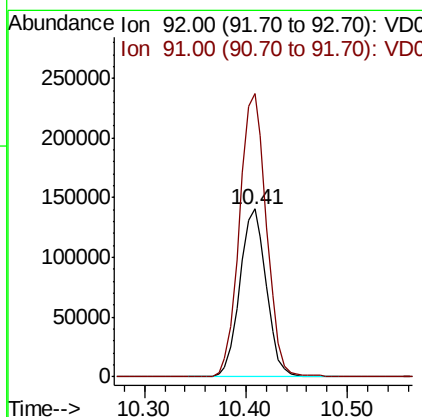
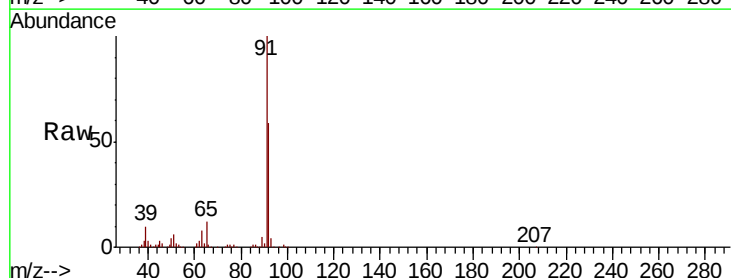
Instrument :
MSVOA_D
ClientSampleId :

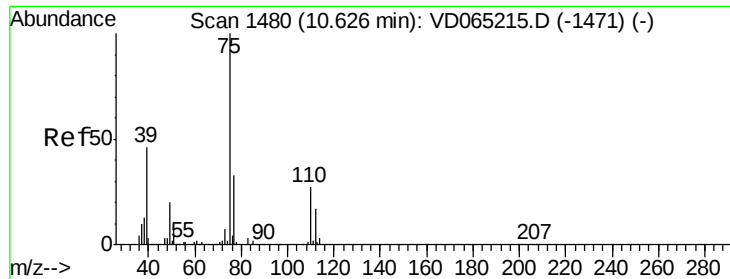
Tot Ion: 43 Resp: 259788
Ion Ratio Lower Upper
43 100
58 38.5 31.1 46.7



#52
Toluene
Concen: 21.646 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 92 Resp: 256028
Ion Ratio Lower Upper
92 100
91 171.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 20.459 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

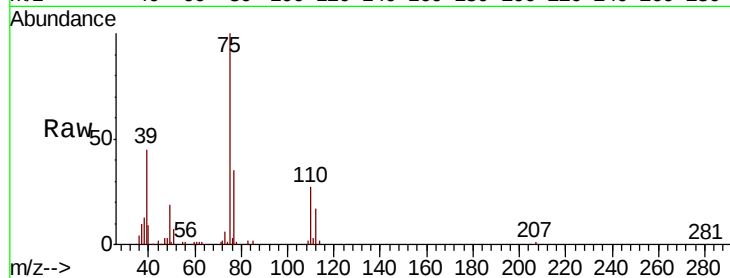
ClientSampleId :

Tot Ion: 75 Resp: 122184

Ion Ratio Lower Upper

75 100

77 34.6 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

60000

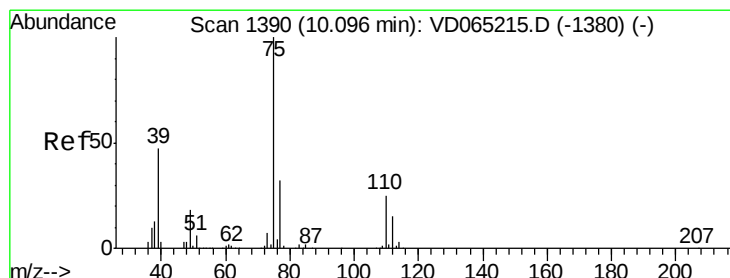
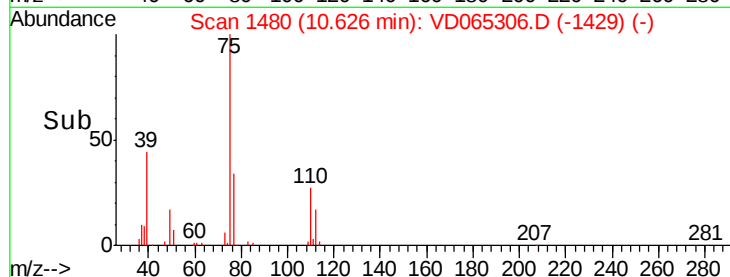
40000

20000

0

Time-->

10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 20.631 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

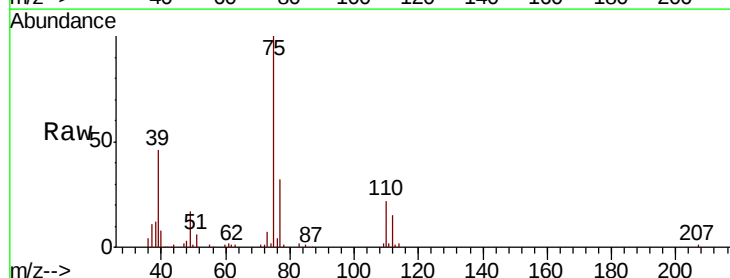
Tgt Ion: 75 Resp: 148777

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 46.2 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

100000

80000

60000

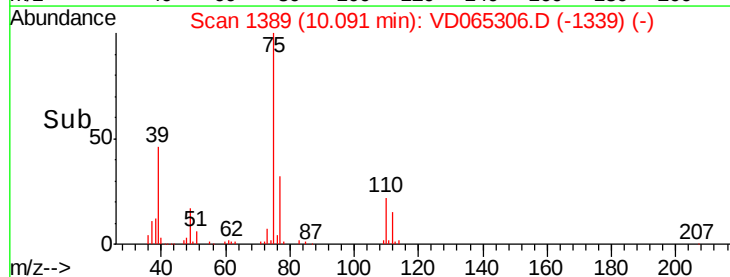
40000

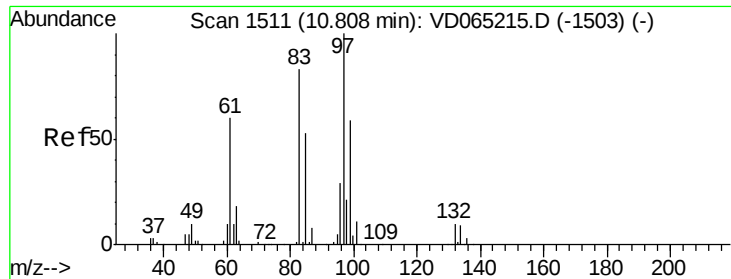
20000

0

Time-->

10.00 10.10

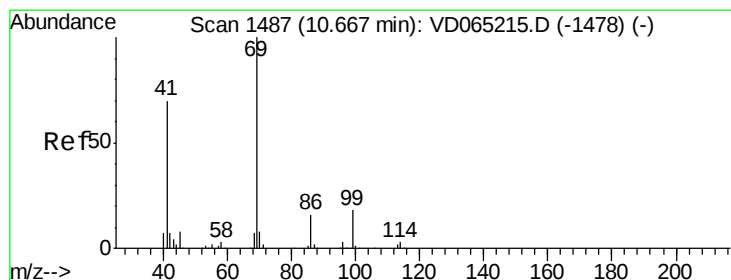
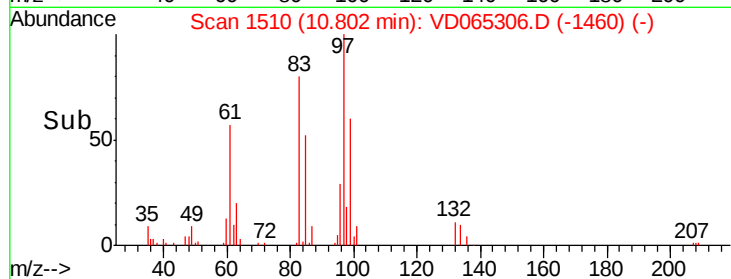
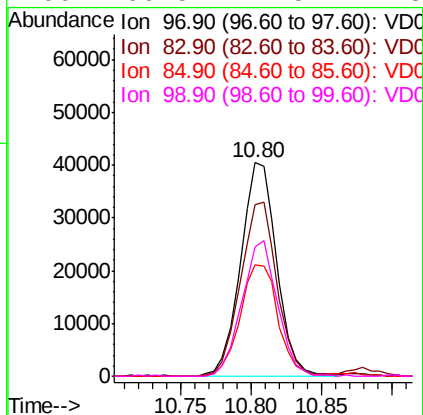
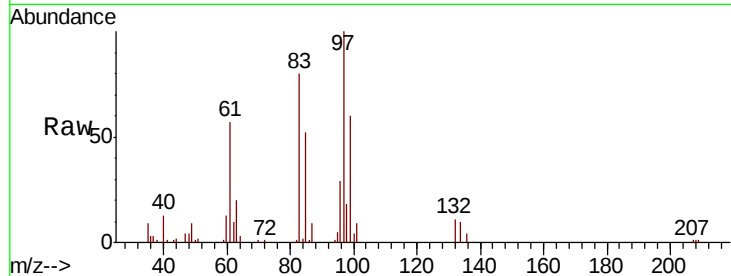




#55
 1,1,2-Trichloroethane
 Concen: 21.036 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

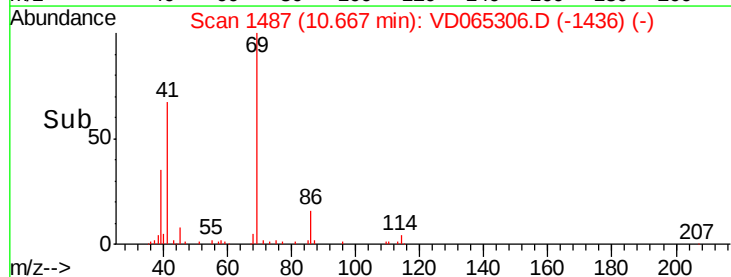
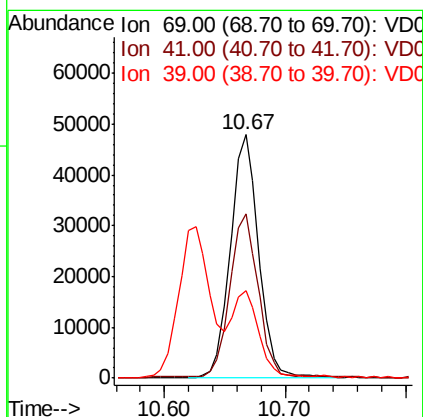
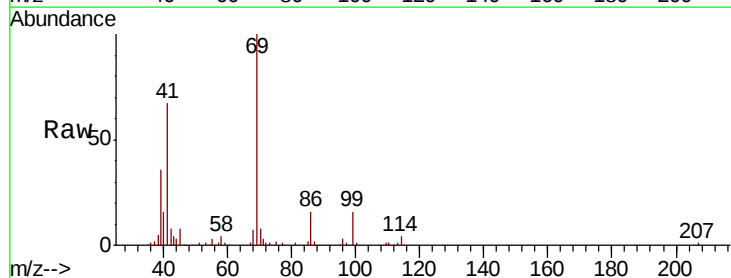
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	72386
Ion	Ratio	Lower	Upper
97	100		
83	80.1	66.7	100.1
85	52.4	42.4	63.6
99	60.5	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 19.685 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion:	69	Resp:	78184
Ion	Ratio	Lower	Upper
69	100		
41	66.8	54.6	81.8
39	33.3	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.497 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

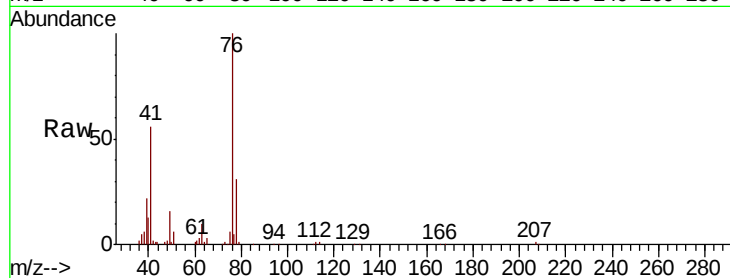
ClientSampleId :

Tot Ion: 76 Resp: 120044

Ion Ratio Lower Upper

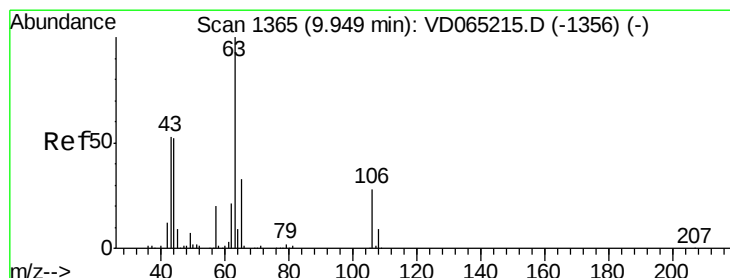
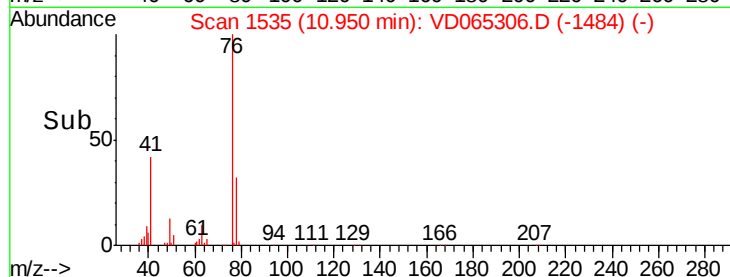
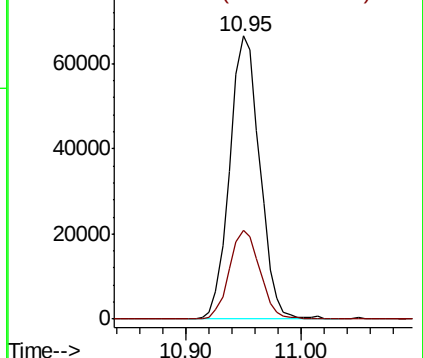
76 100

78 32.0 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.892 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065306.D

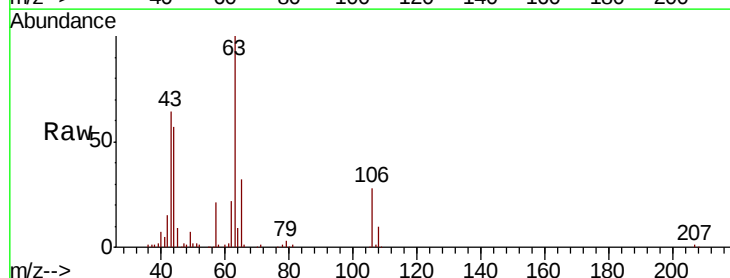
Acq: 25 Feb 2020 12:46

Tgt Ion: 63 Resp: 121326

Ion Ratio Lower Upper

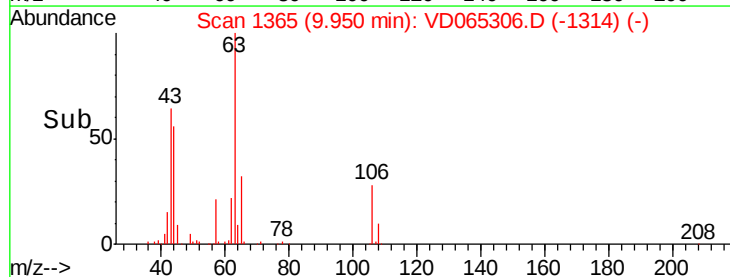
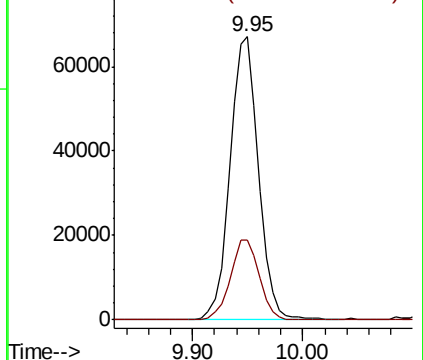
63 100

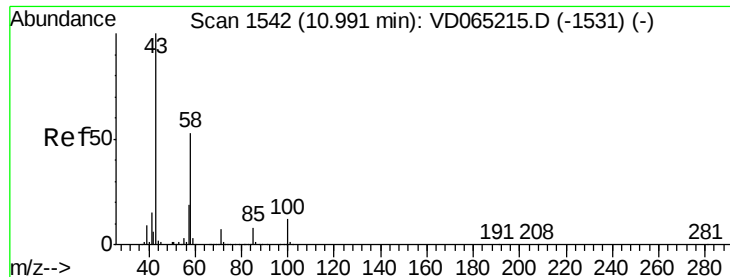
106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

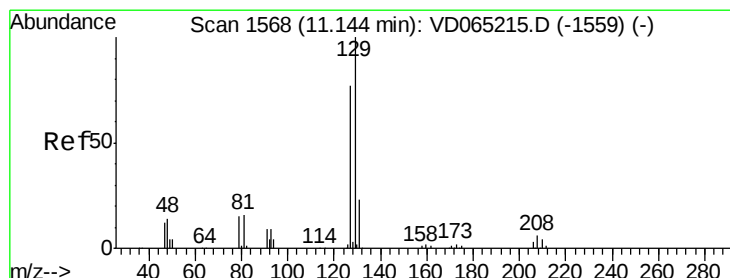
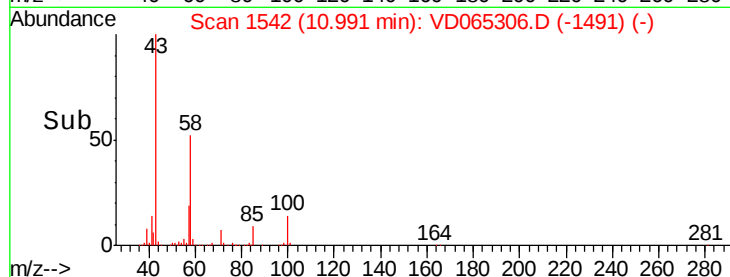
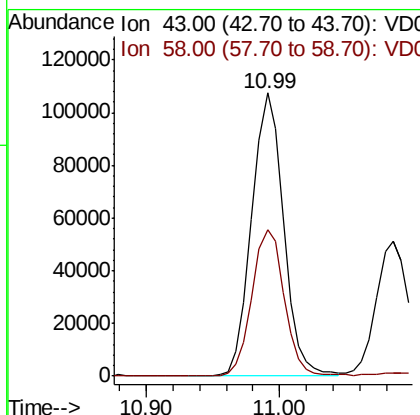
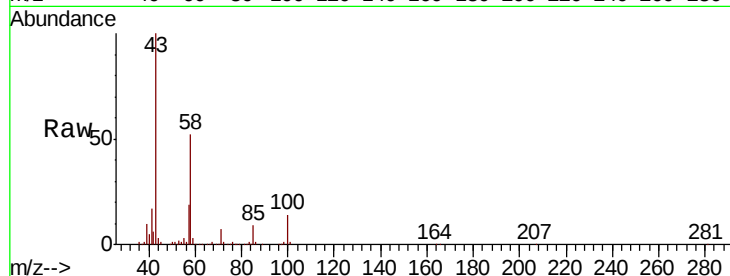




#59
2-Hexanone
Concen: 94.851 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

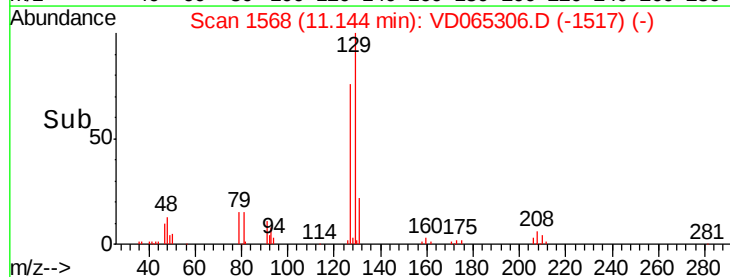
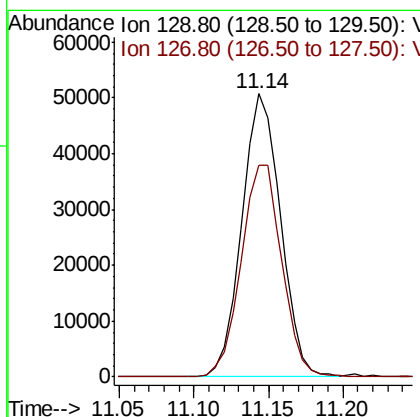
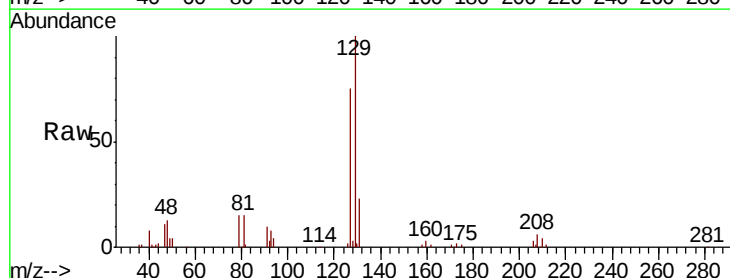
Instrument :
MSVOA_D
ClientSampled :

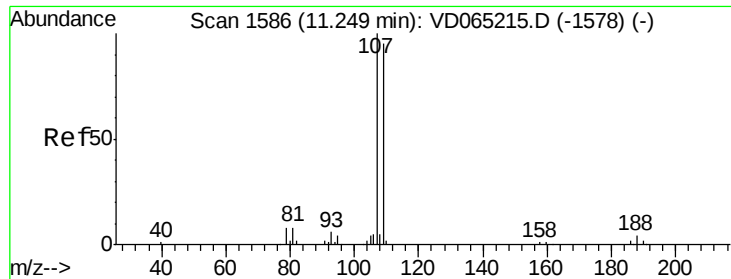
Tot Ion: 43 Resp: 177487
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.8



#60
Dibromochloromethane
Concen: 20.644 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 129 Resp: 90922
Ion Ratio Lower Upper
129 100
127 78.6 38.7 116.1

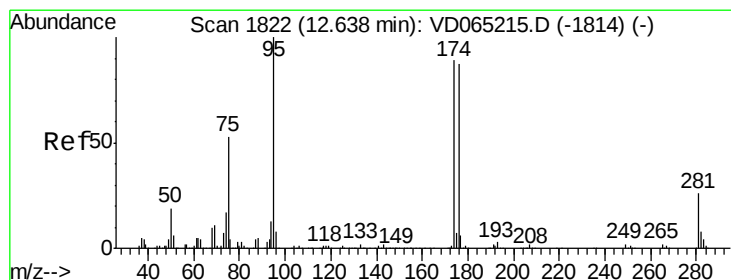
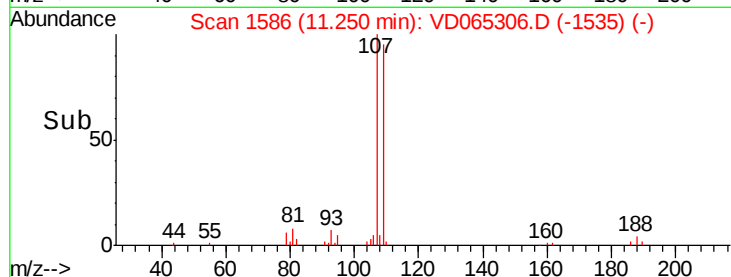
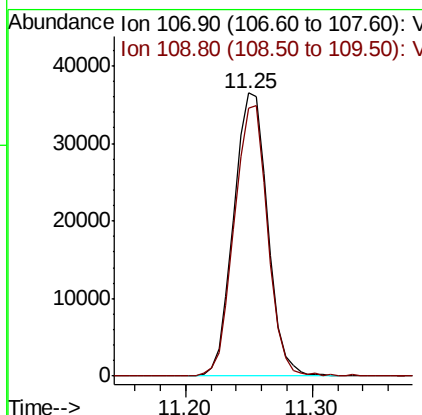
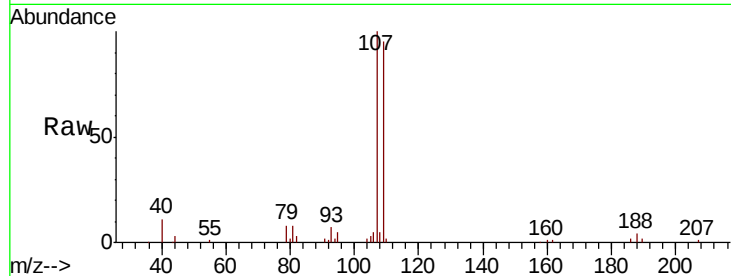




#61
 1,2-Dibromoethane
 Concen: 20.776 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

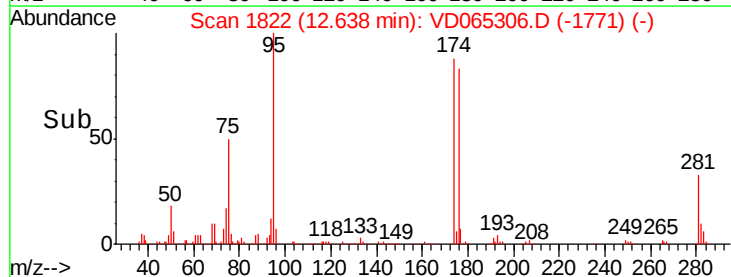
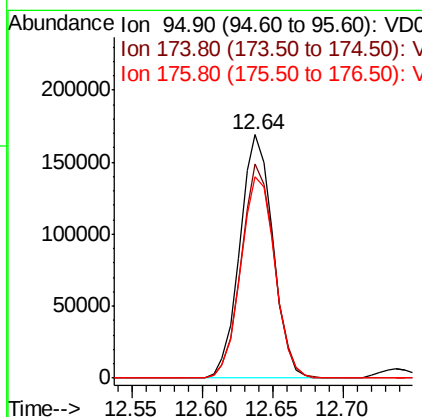
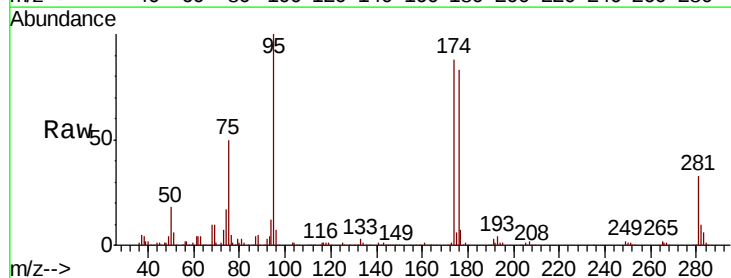
Instrument :
 MSVOA_D
 ClientSampleId :

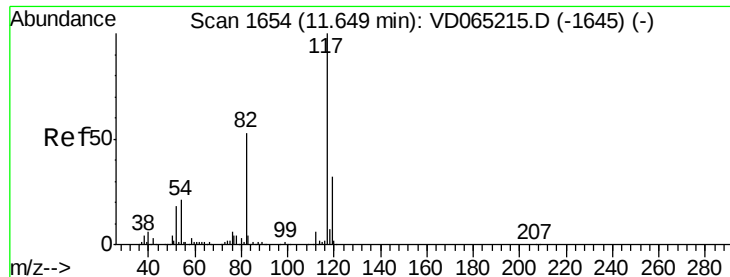
Tot Ion:107 Resp: 67690
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 53.801 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion: 95 Resp: 276427
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 178.0
 176 85.4 0.0 174.4

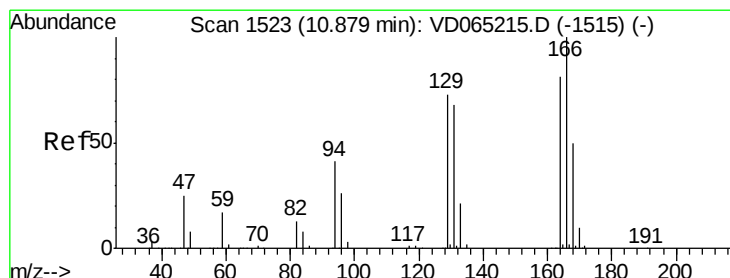
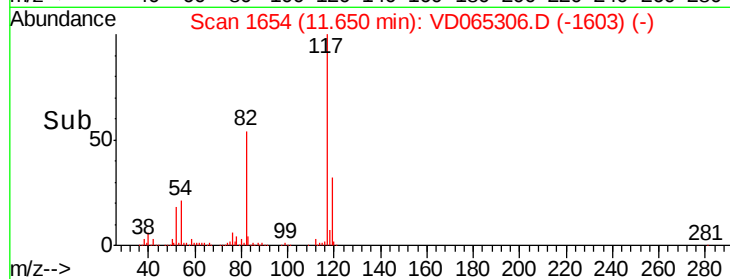
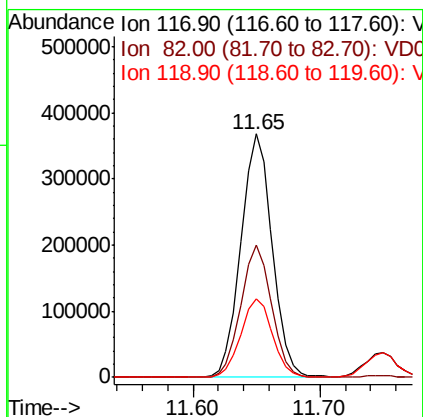
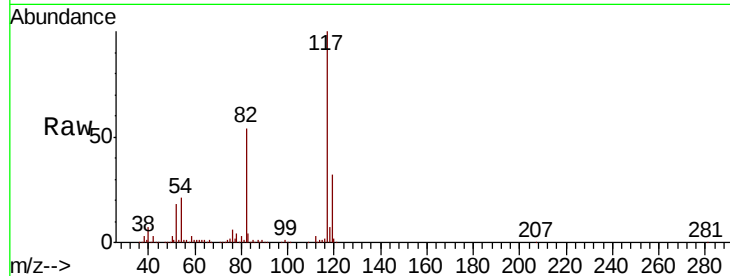




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

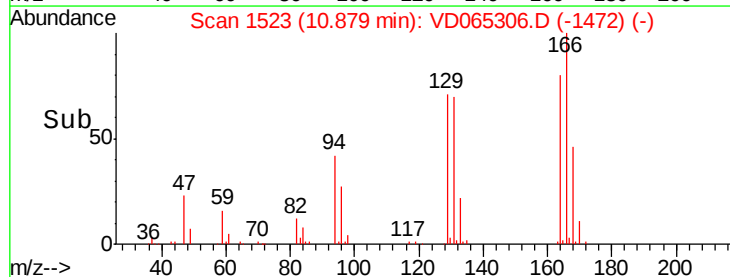
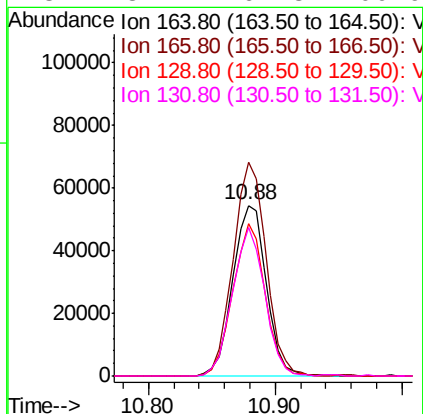
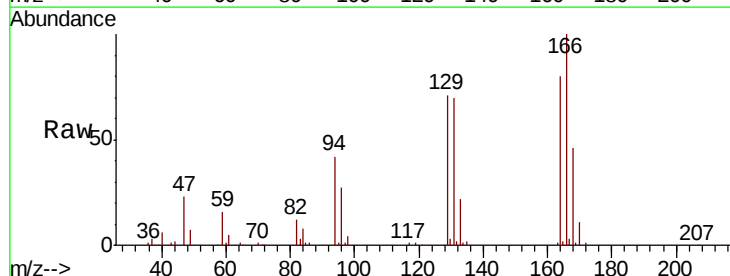
Instrument :
MSVOA_D
ClientSampleId :

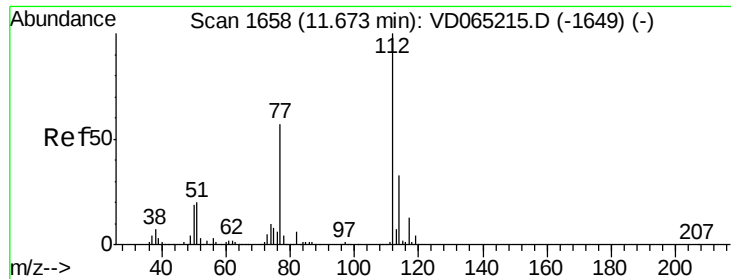
Tot Ion:117 Resp: 630975
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 22.230 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion:164 Resp: 99481
Ion Ratio Lower Upper
164 100
166 125.2 98.4 147.6
129 89.0 71.6 107.4
131 87.2 67.3 100.9

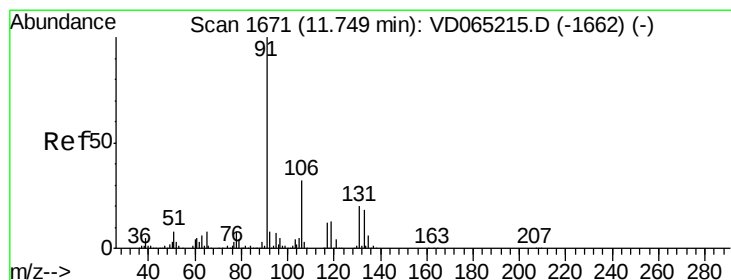
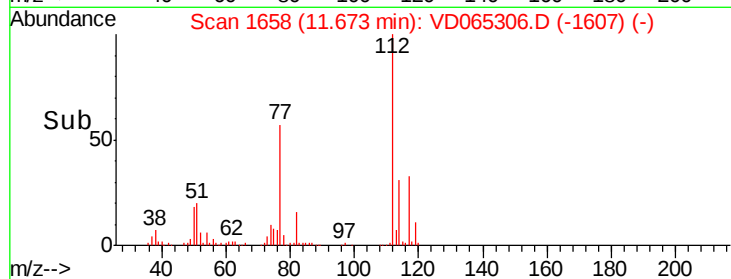
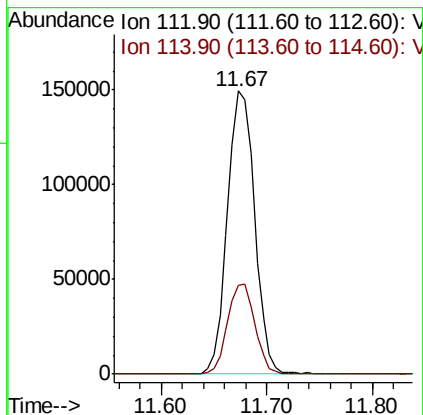
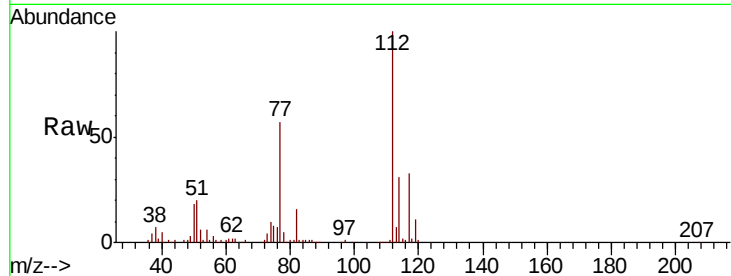




#65
Chlorobenzene
Concen: 21.088 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

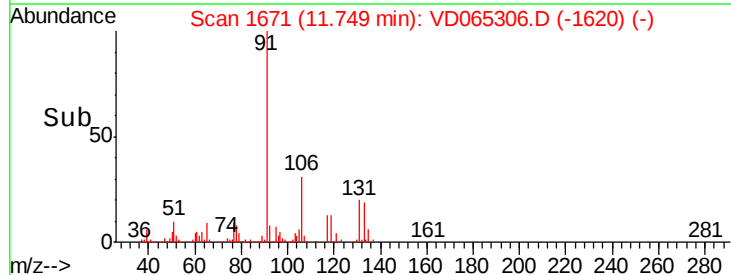
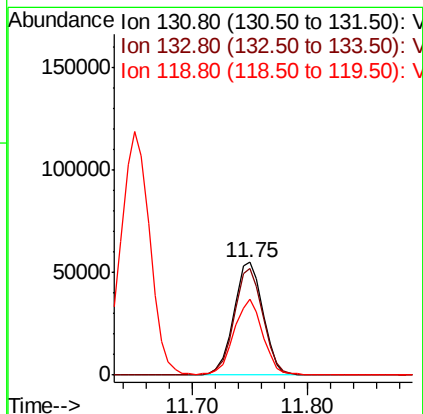
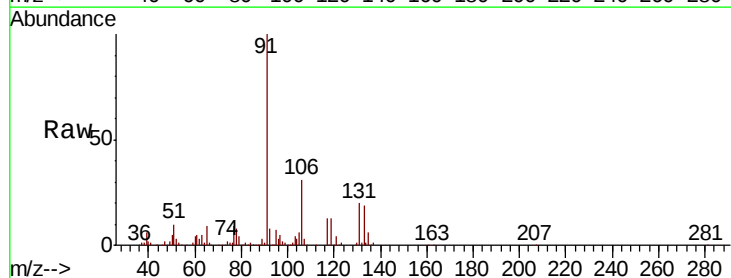
Instrument :
MSVOA_D
ClientSampled :

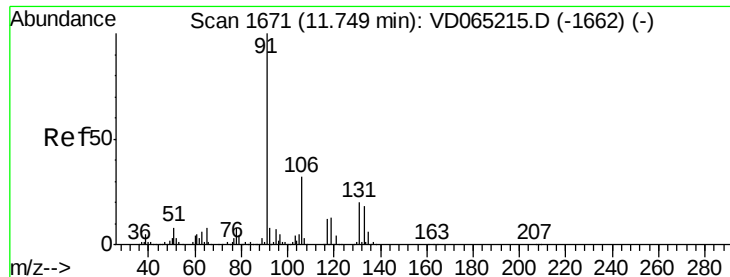
Tot Ion:112 Resp: 267019
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.472 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion:131 Resp: 96733
Ion Ratio Lower Upper
131 100
133 93.7 47.7 143.1
119 66.3 32.7 98.1





#67

Ethyl Benzene

Concen: 20.592 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

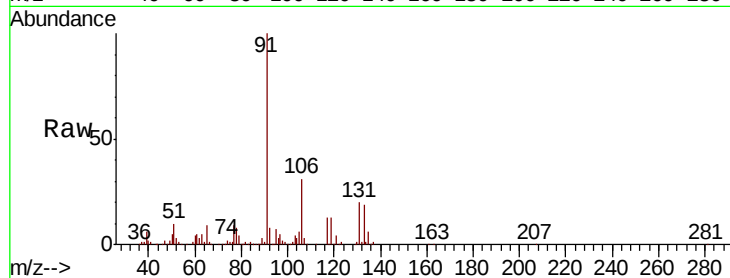
ClientSampleId :

Tot Ion: 91 Resp: 456648

Ion Ratio Lower Upper

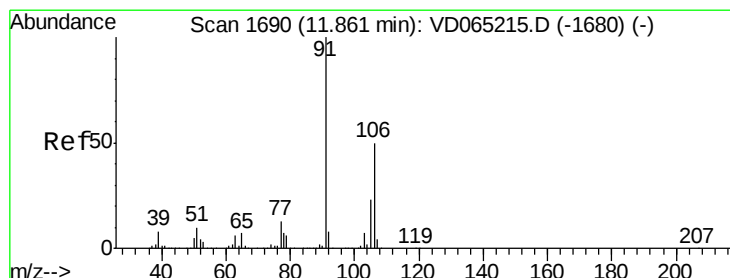
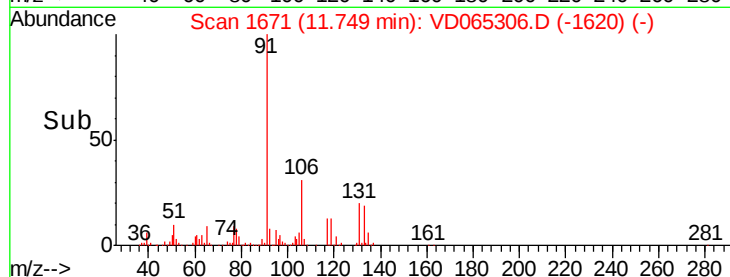
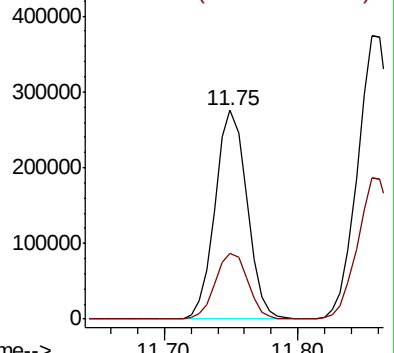
91 100

106 31.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.387 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065306.D

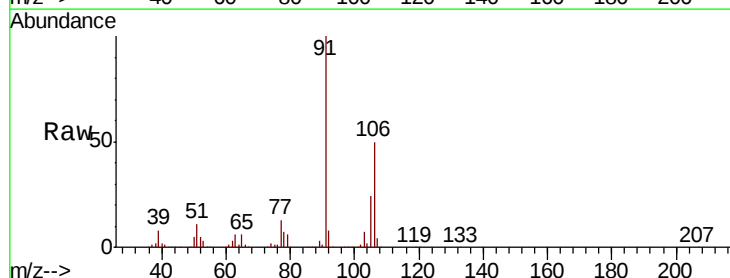
Acq: 25 Feb 2020 12:46

Tgt Ion: 106 Resp: 359635

Ion Ratio Lower Upper

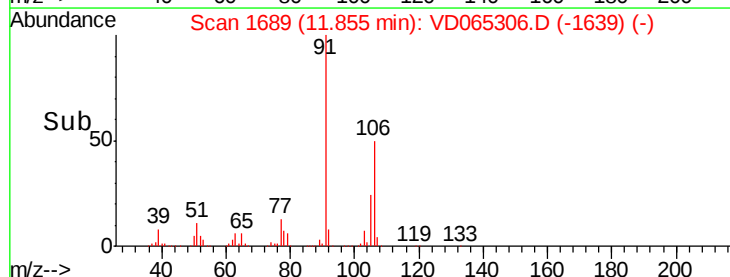
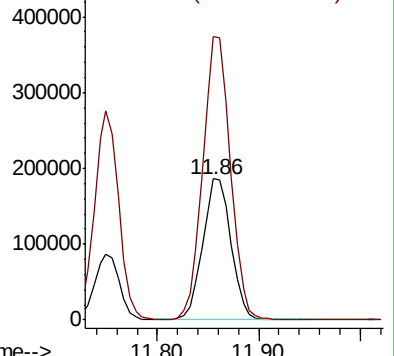
106 100

91 197.2 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

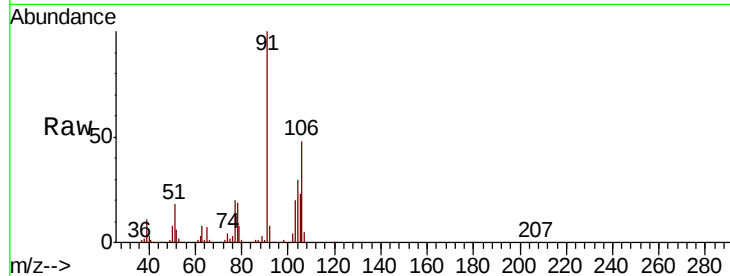




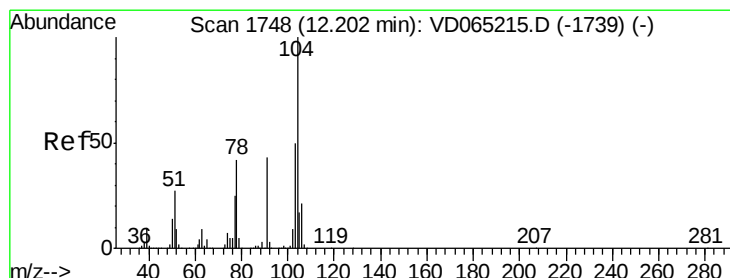
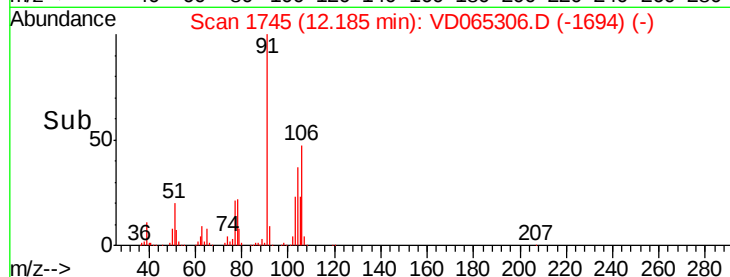
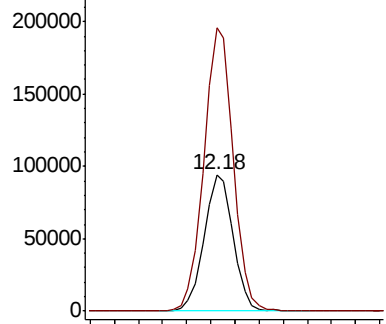
#69
o-Xylene
Concen: 21.040 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 158153
Ion Ratio Lower Upper
106 100
91 208.3 104.7 313.9

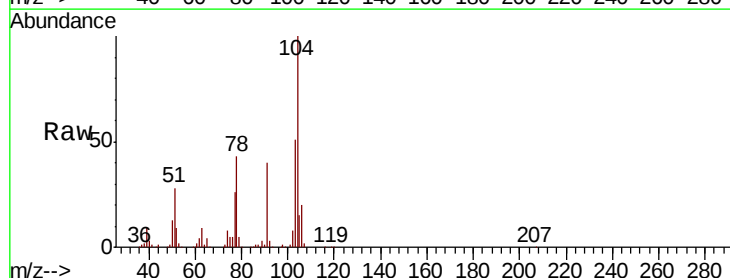


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

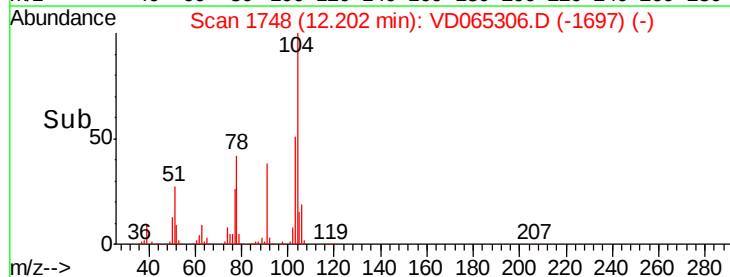
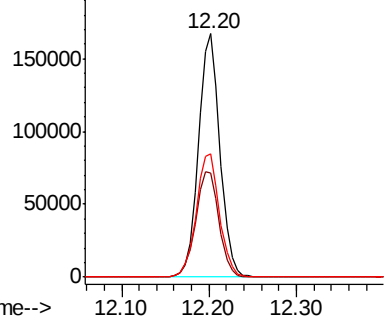


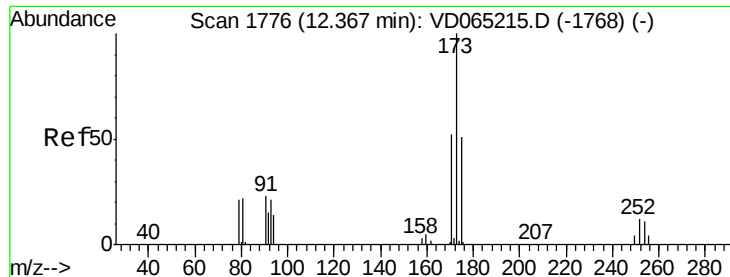
#70
Styrene
Concen: 20.998 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion:104 Resp: 280233
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 54.8 43.4 65.2



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





#71

Bromoform

Concen: 20.900 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

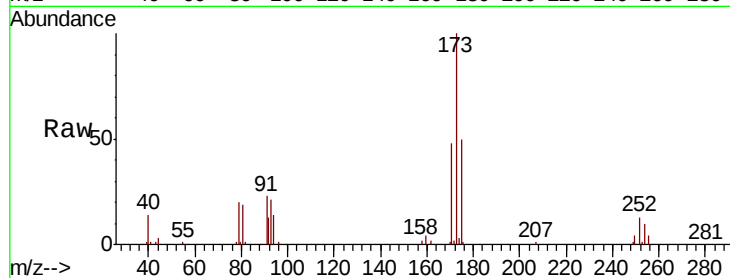
Tot Ion:173 Resp: 54799

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.4

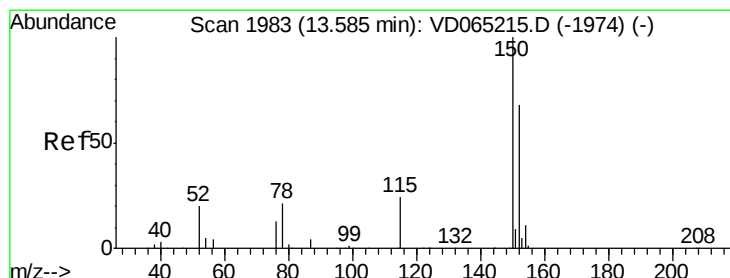
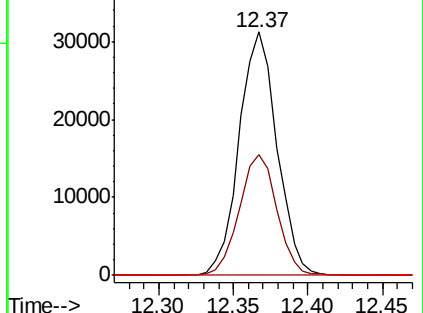
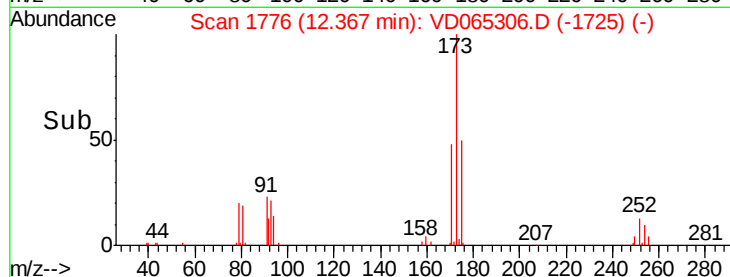
254 0.0 0.0 0.0



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: VD065306.D

Acq: 25 Feb 2020 12:46

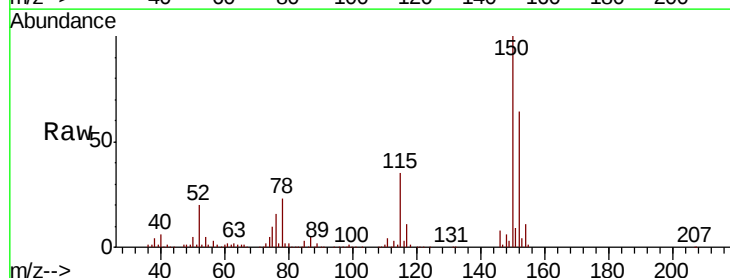
Tgt Ion:152 Resp: 315554

Ion Ratio Lower Upper

152 100

115 54.8 27.6 82.8

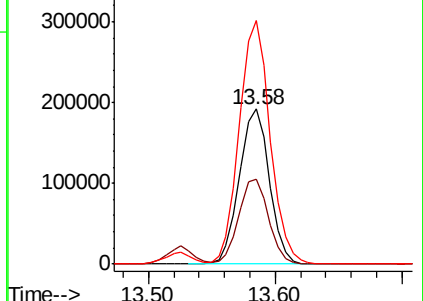
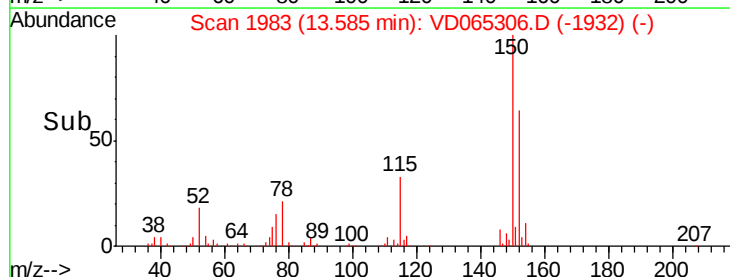
150 161.3 0.0 347.4

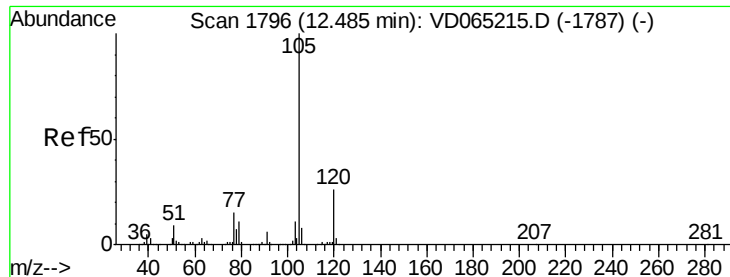


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.782 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

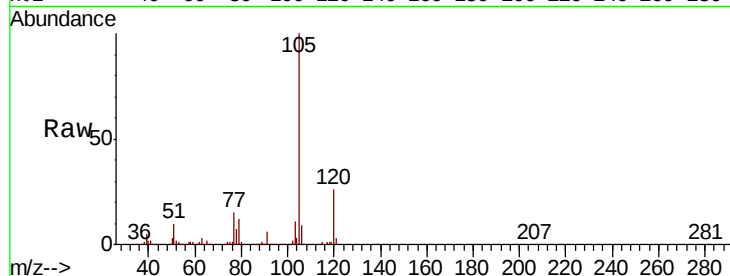
ClientSampleId :

Tot Ion:105 Resp: 434155

Ion Ratio Lower Upper

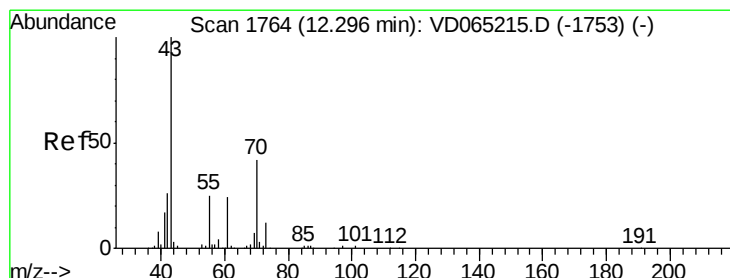
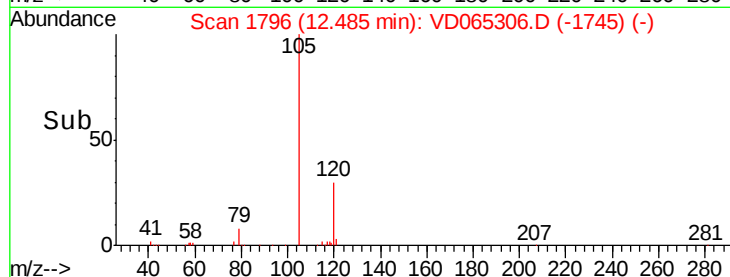
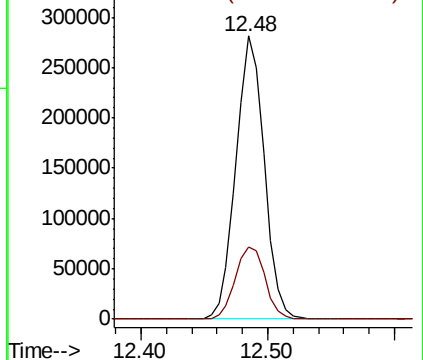
105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.098 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Tgt Ion: 43 Resp: 88654

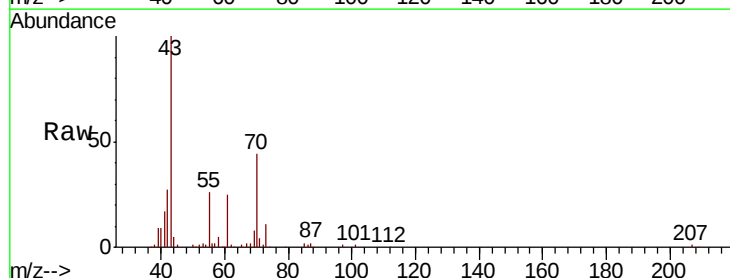
Ion Ratio Lower Upper

43 100

70 45.2 33.7 50.5

55 28.3 20.7 31.1

61 25.0 19.0 28.4

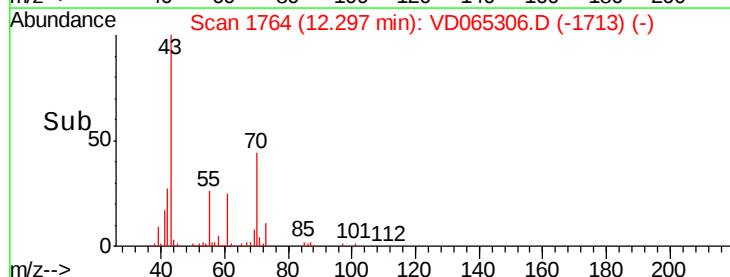
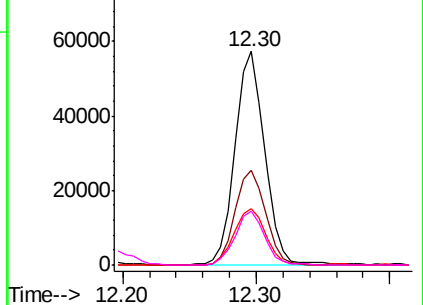


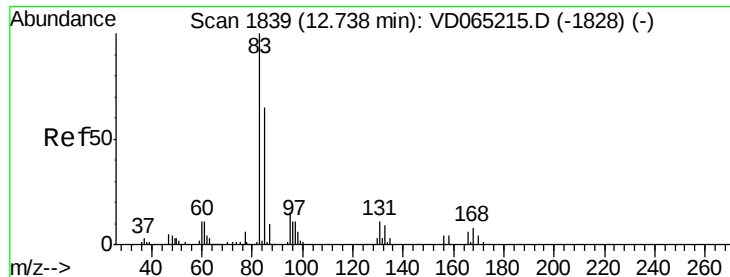
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.899 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampled :

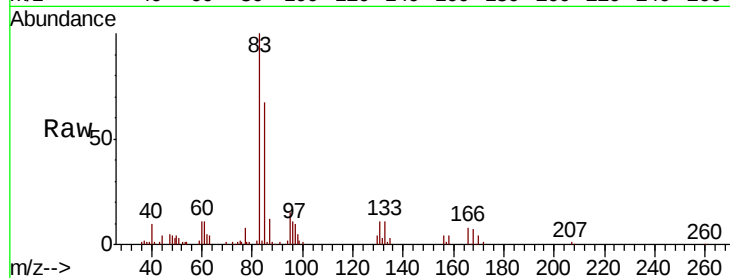
Tot Ion: 83 Resp: 75026

Ion Ratio Lower Upper

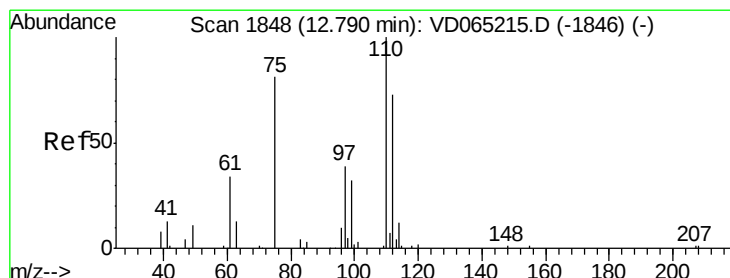
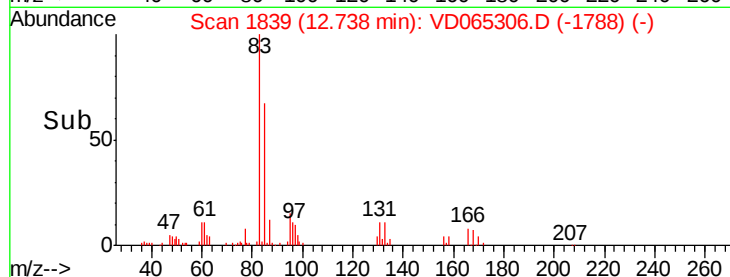
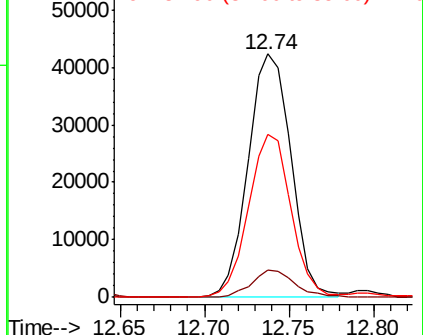
83 100

131 11.2 5.4 16.2

85 66.5 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 36.177 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065306.D

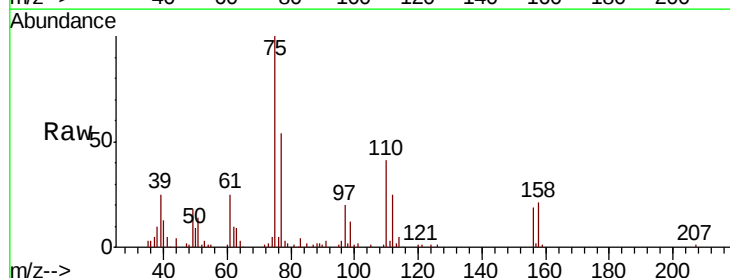
Acq: 25 Feb 2020 12:46

Tgt Ion: 75 Resp: 97130

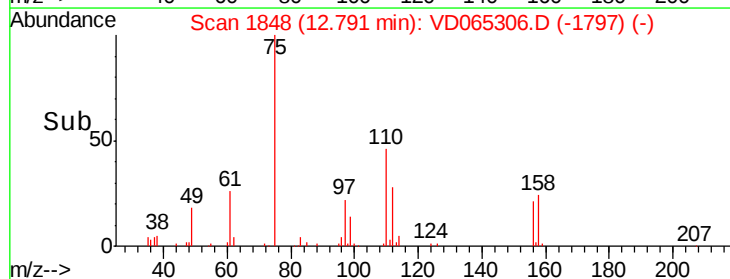
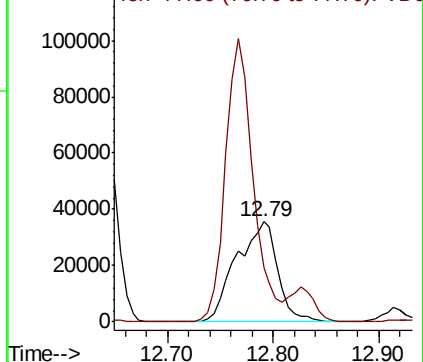
Ion Ratio Lower Upper

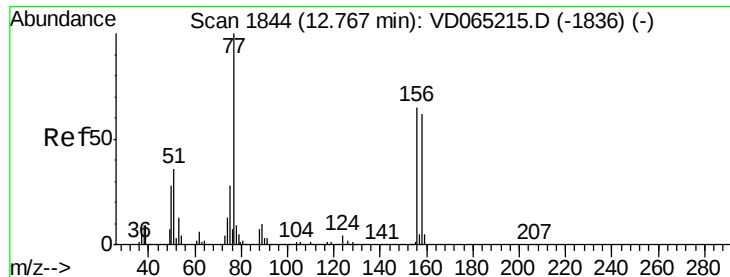
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.442 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampled :

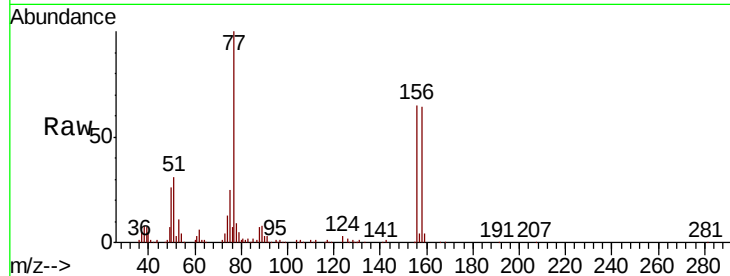
Tot Ion:156 Resp: 106047

Ion Ratio Lower Upper

156 100

77 172.4 86.6 259.7

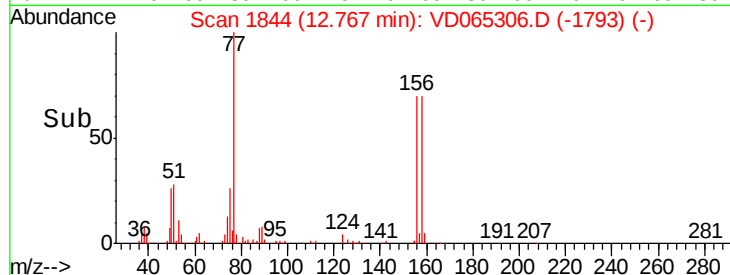
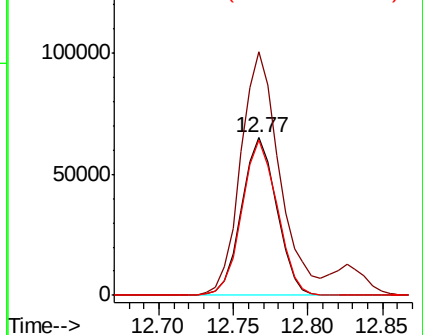
158 99.3 48.1 144.3



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: 20.989 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065306.D

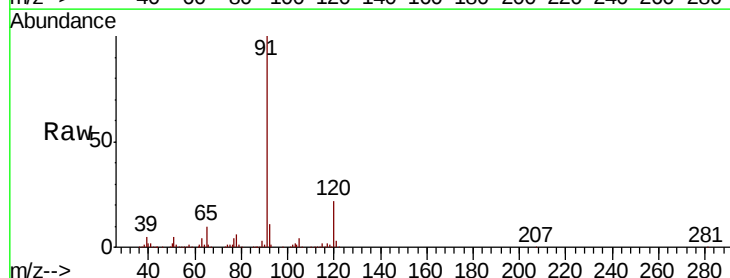
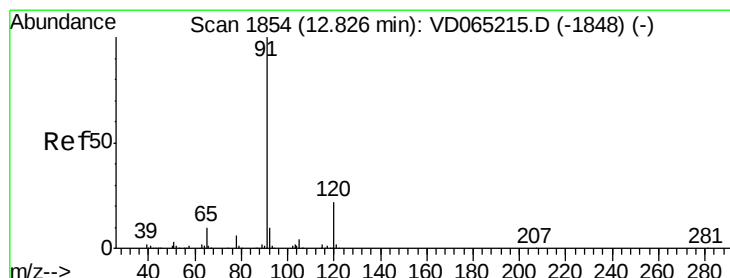
Acq: 25 Feb 2020 12:46

Tgt Ion: 91 Resp: 526930

Ion Ratio Lower Upper

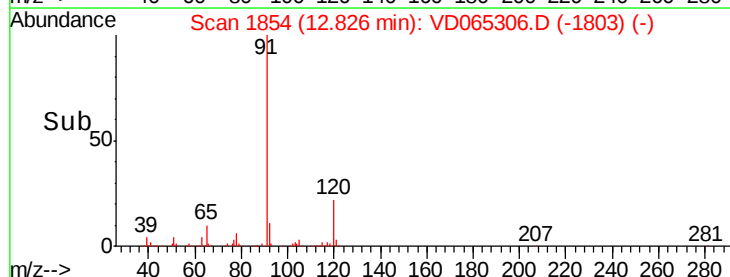
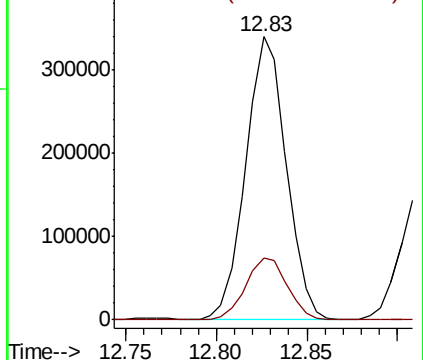
91 100

120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.509 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

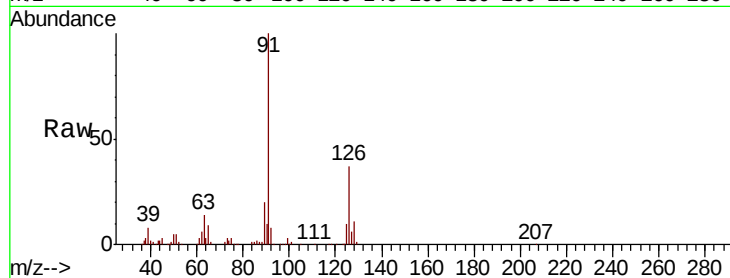
ClientSampleId :

Tot Ion: 91 Resp: 288448

Ion Ratio Lower Upper

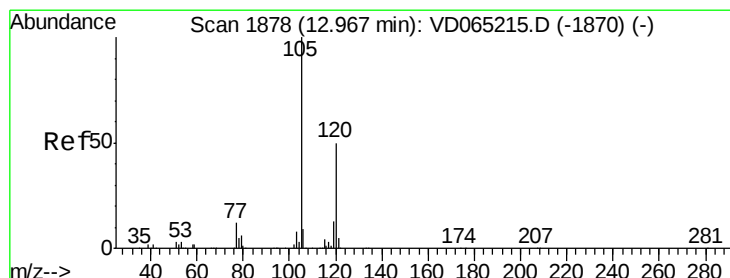
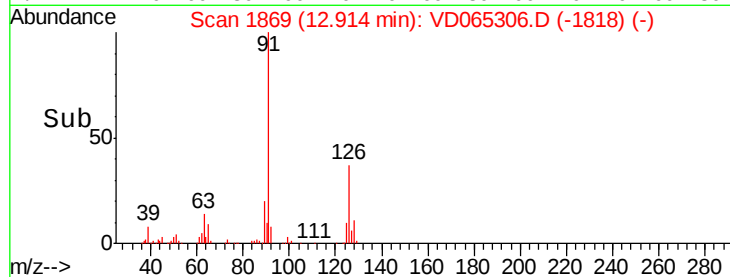
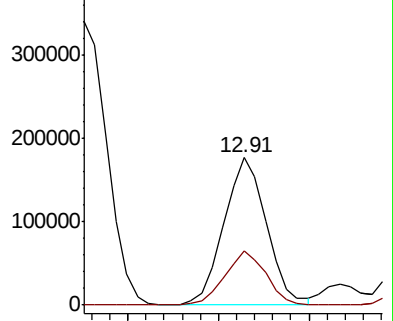
91 100

126 35.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.102 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065306.D

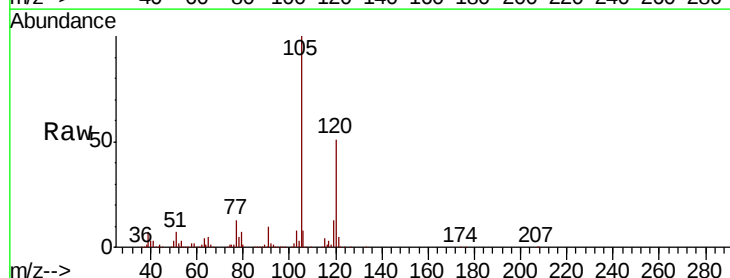
Acq: 25 Feb 2020 12:46

Tgt Ion:105 Resp: 363096

Ion Ratio Lower Upper

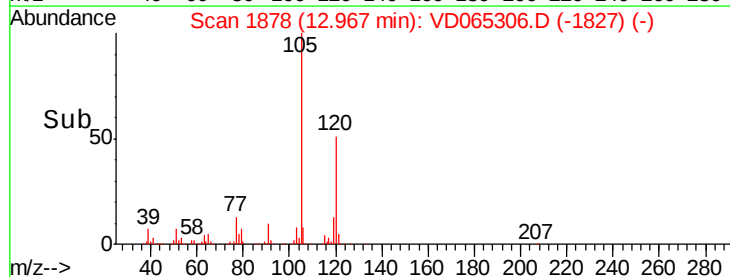
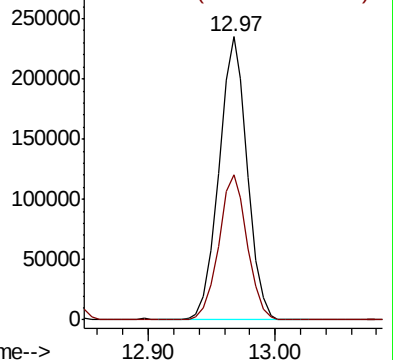
105 100

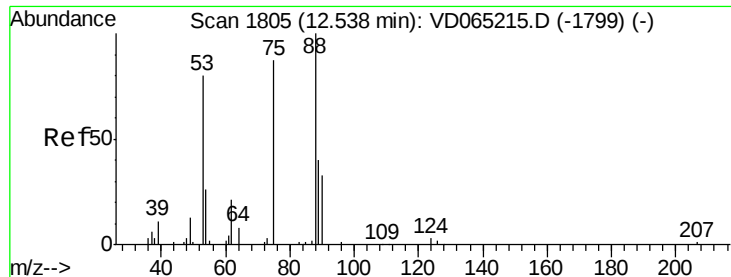
120 51.3 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.319 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampled :

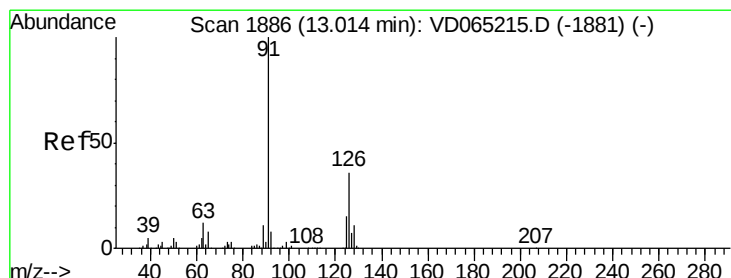
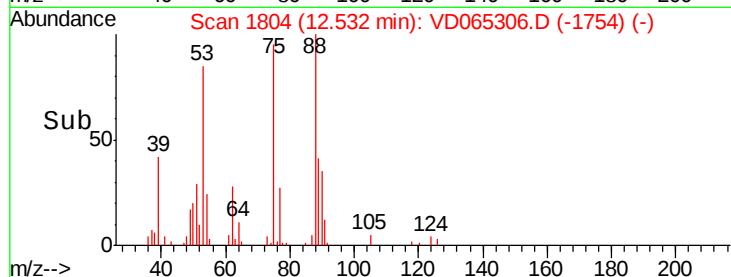
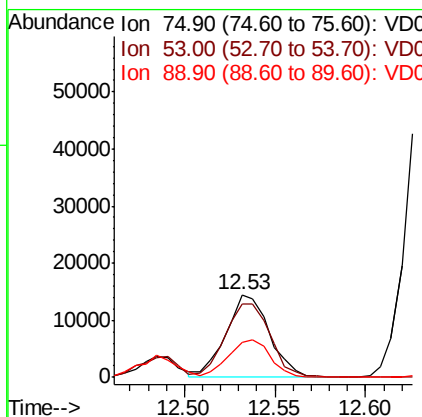
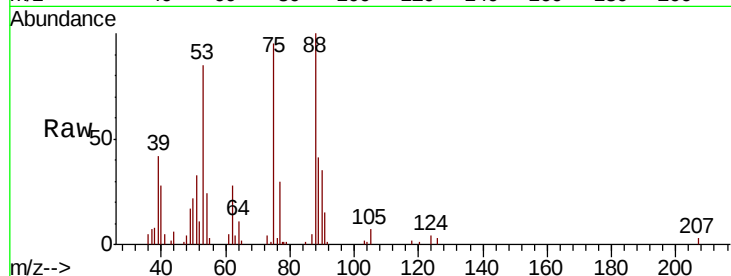
Tot Ion: 75 Resp: 24022

Ion Ratio Lower Upper

75 100

53 93.1 77.6 116.4

89 44.3 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.483 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065306.D

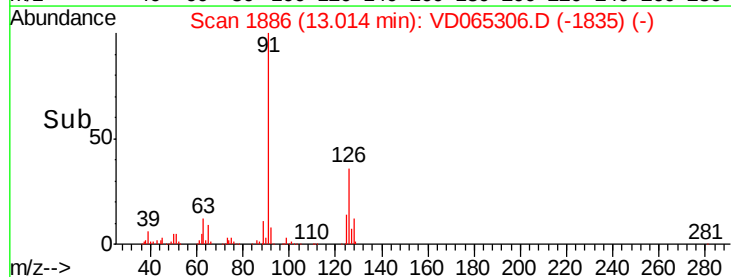
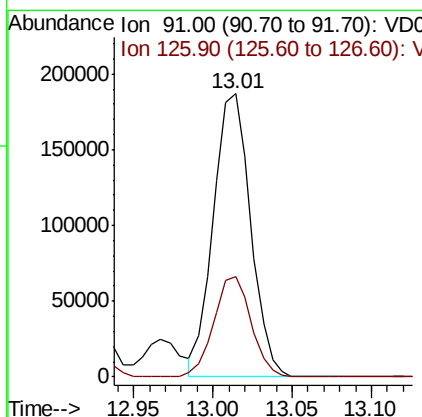
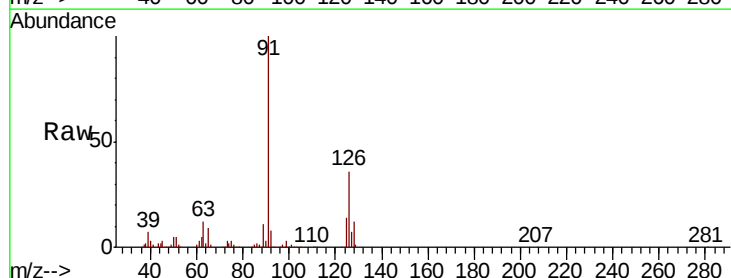
Acq: 25 Feb 2020 12:46

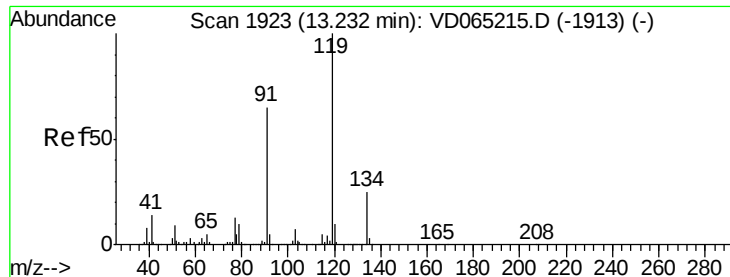
Tgt Ion: 91 Resp: 305840

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3





#83

tert-Butylbenzene

Concen: 20.242 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

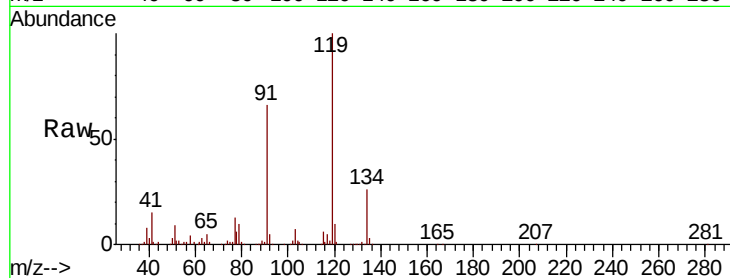
Tot Ion:119 Resp: 291921

Ion Ratio Lower Upper

119 100

91 63.7 31.9 95.5

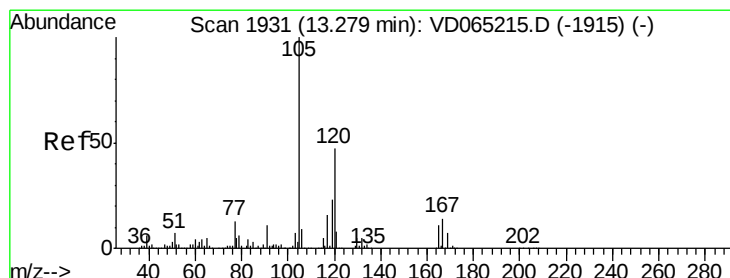
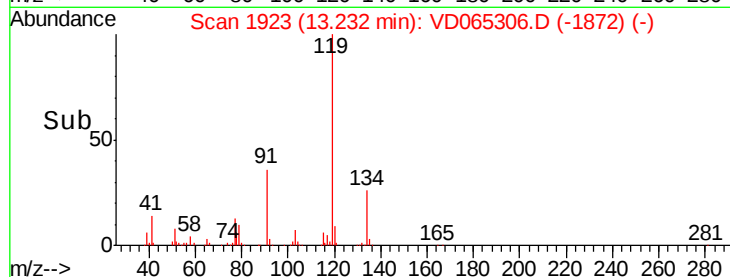
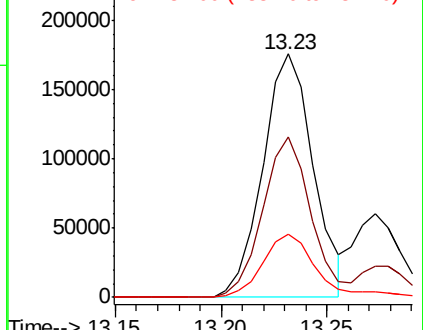
134 27.7 13.8 41.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.746 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD065306.D

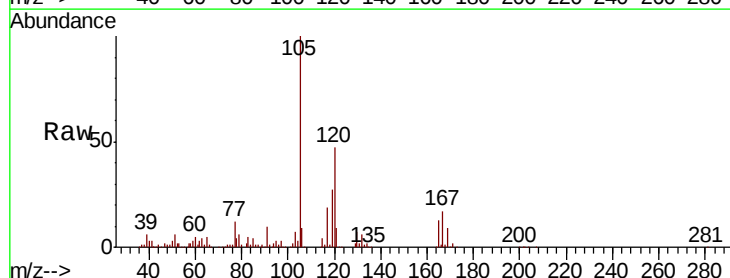
Acq: 25 Feb 2020 12:46

Tgt Ion:105 Resp: 357289

Ion Ratio Lower Upper

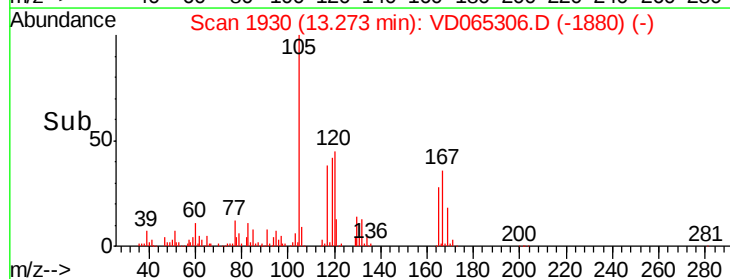
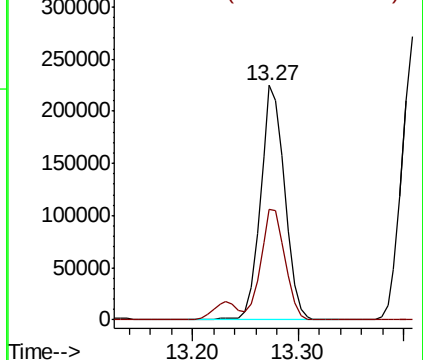
105 100

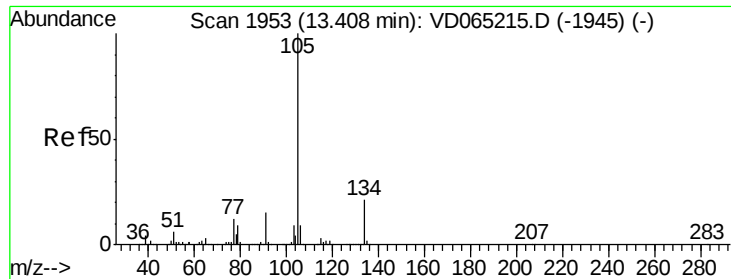
120 47.0 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.297 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

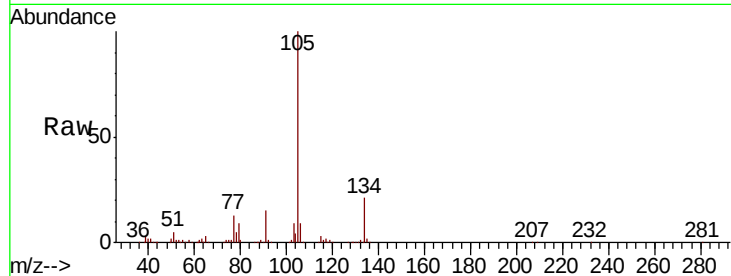
ClientSampled :

Tot Ion:105 Resp: 421787

Ion Ratio Lower Upper

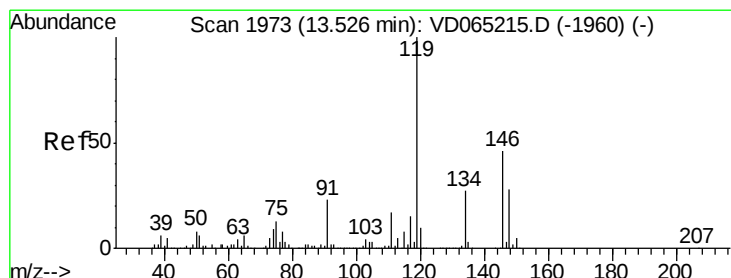
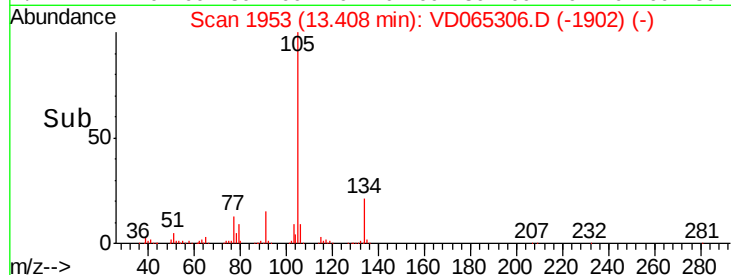
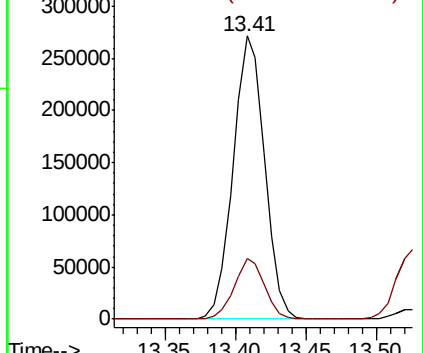
105 100

134 20.6 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.529 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

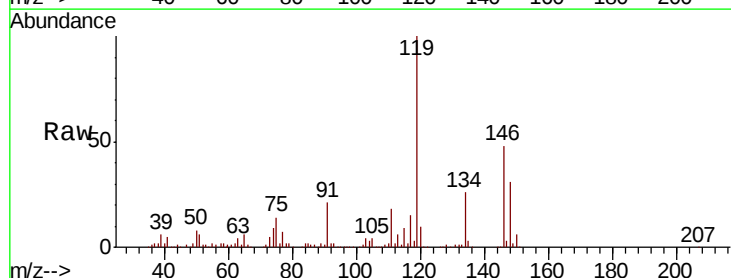
Tgt Ion:119 Resp: 390124

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

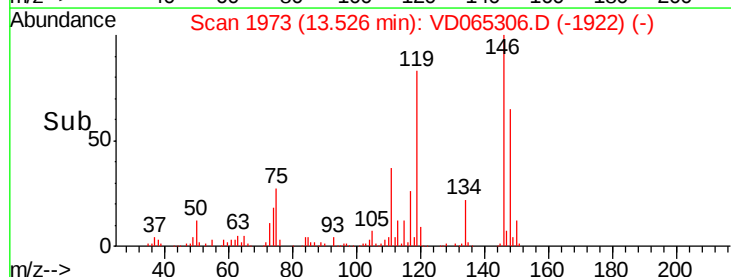
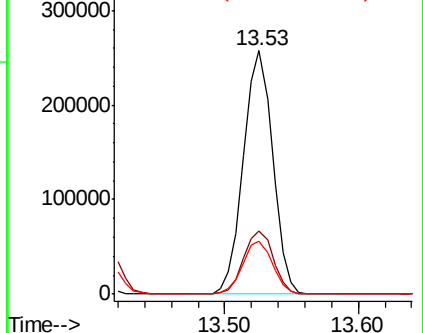
91 21.9 11.1 33.1

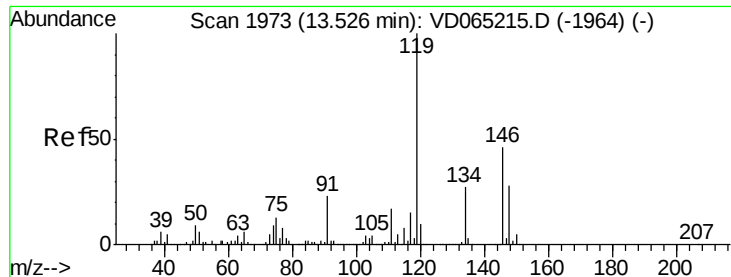


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.556 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

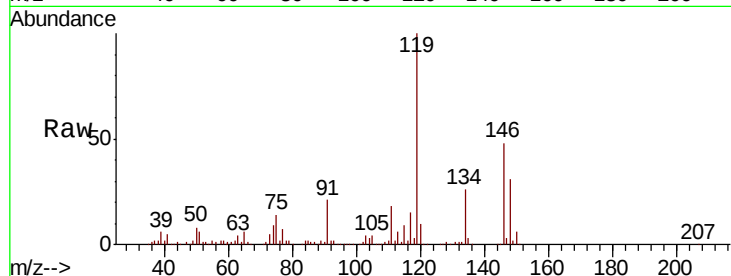
Tot Ion:146 Resp: 206155

Ion Ratio Lower Upper

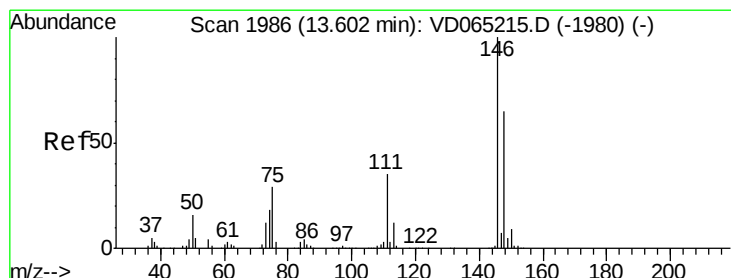
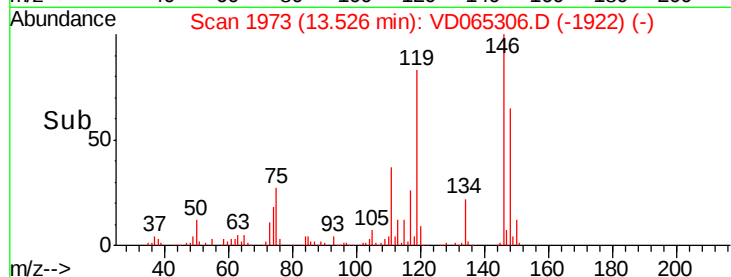
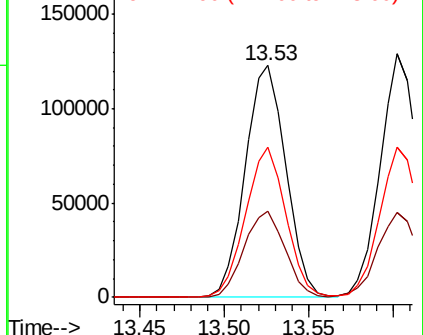
146 100

111 37.5 18.6 55.8

148 64.2 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 20.518 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

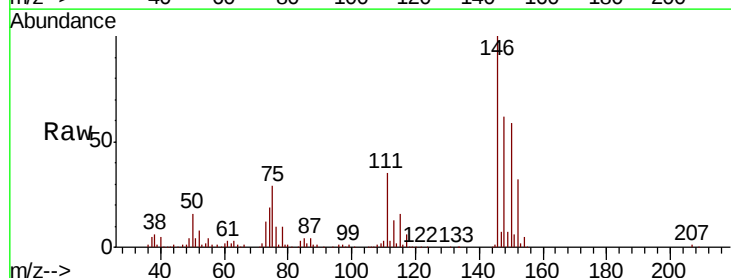
Tgt Ion:146 Resp: 203091

Ion Ratio Lower Upper

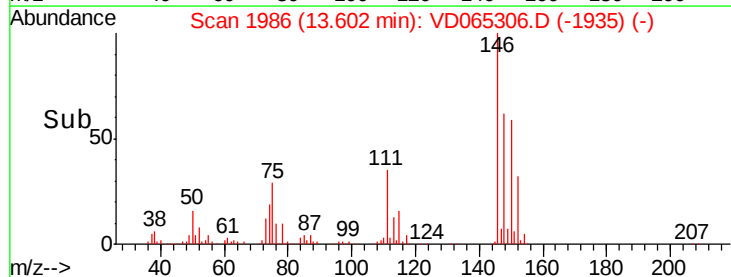
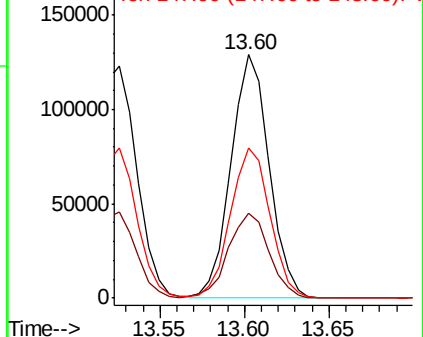
146 100

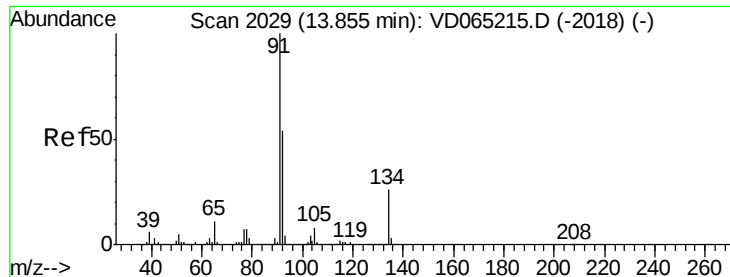
111 37.5 18.4 55.2

148 64.0 32.1 96.5



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

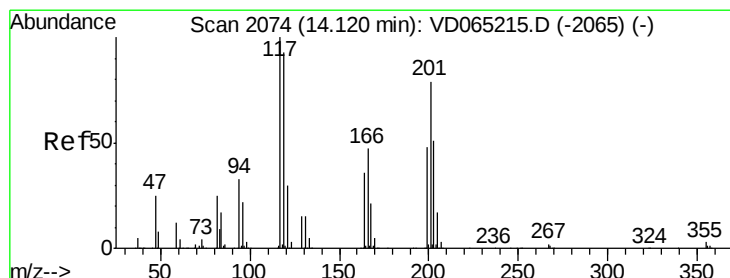
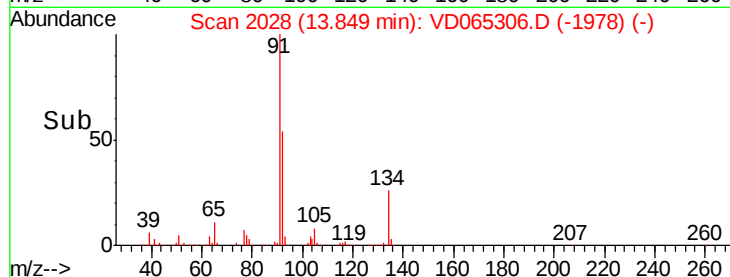
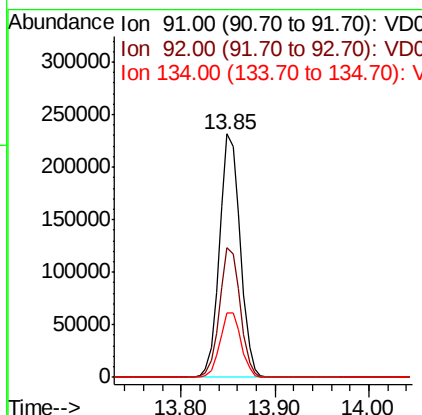
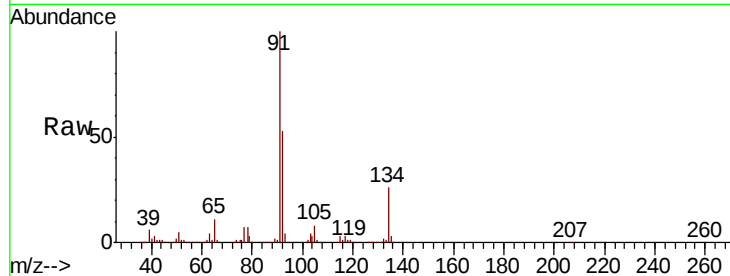




#89
n-Butylbenzene
Concen: 20.355 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

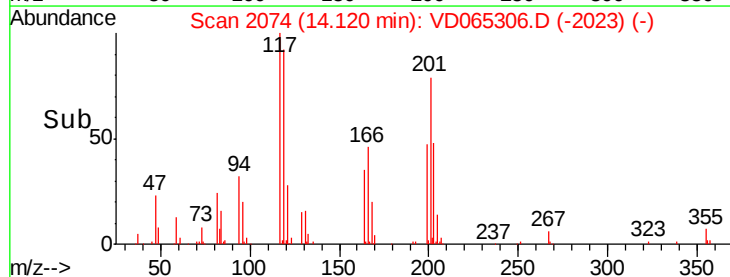
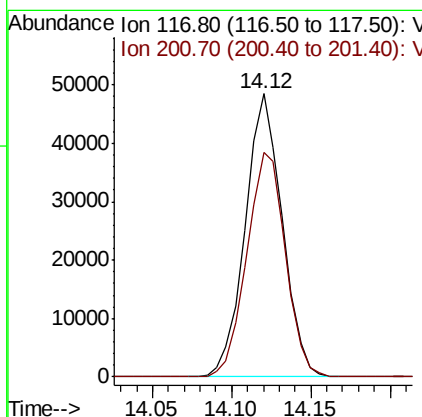
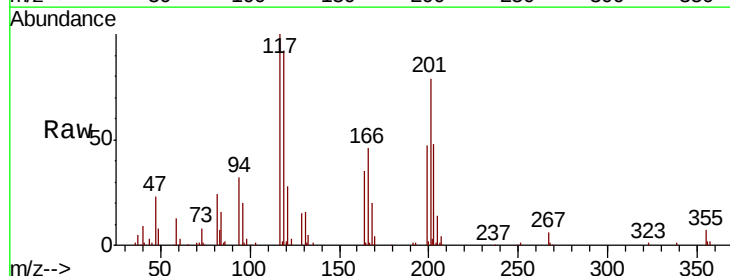
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 356453
Ion Ratio Lower Upper
91 100
92 53.0 27.0 80.8
134 26.9 13.5 40.4



#90
Hexachloroethane
Concen: 20.347 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion: 117 Resp: 78511
Ion Ratio Lower Upper
117 100
201 82.8 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 20.394 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

Instrument :

MSVOA_D

ClientSampled :

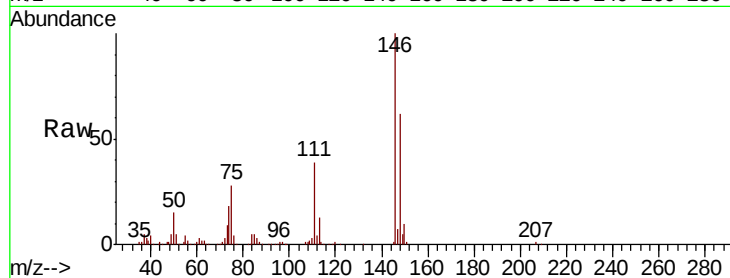
Tot Ion:146 Resp: 175619

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.0

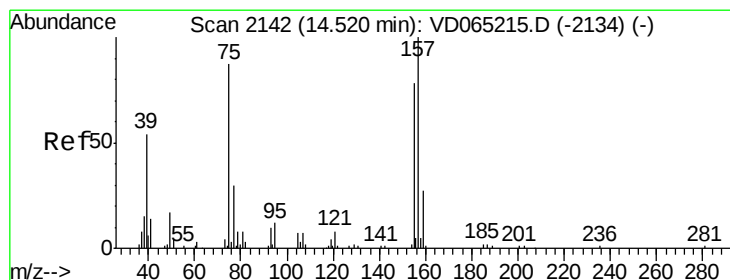
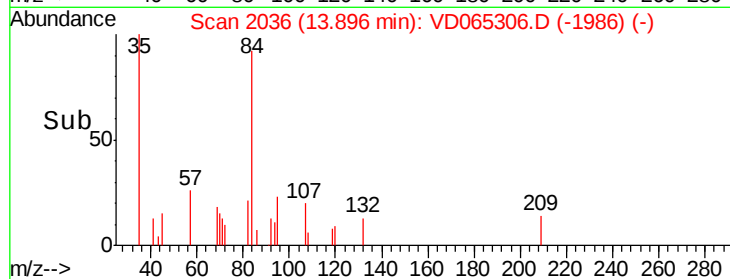
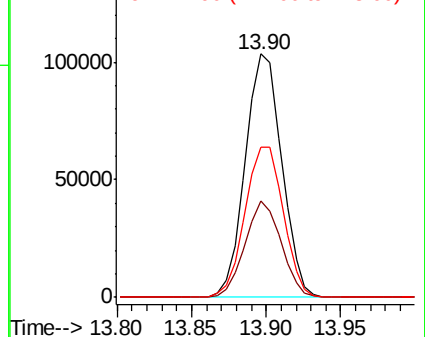
148 64.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.123 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065306.D

Acq: 25 Feb 2020 12:46

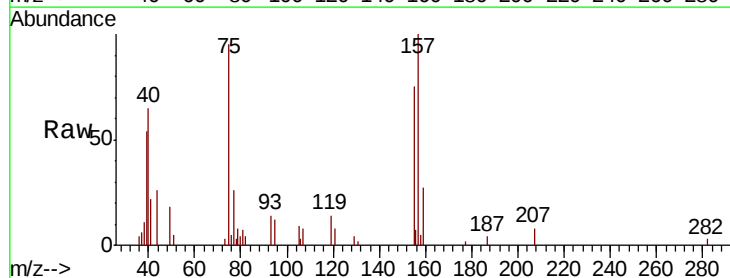
Tgt Ion: 75 Resp: 11692

Ion Ratio Lower Upper

75 100

155 84.5 42.3 126.9

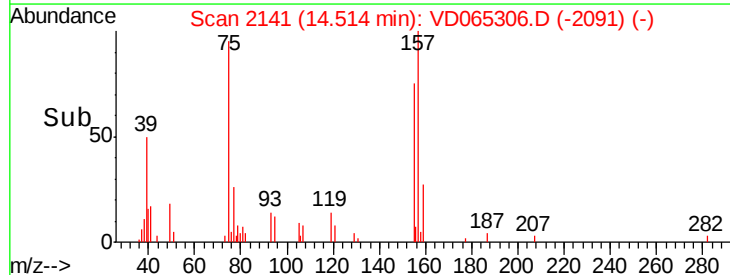
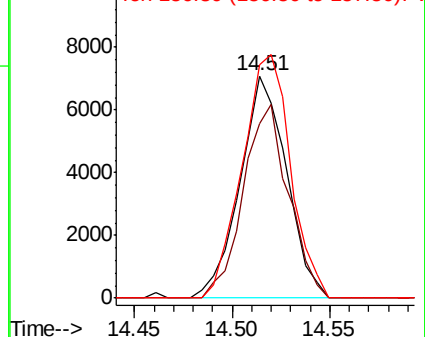
157 114.0 56.7 170.1

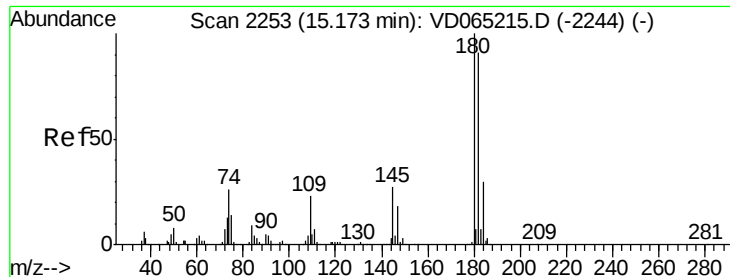


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

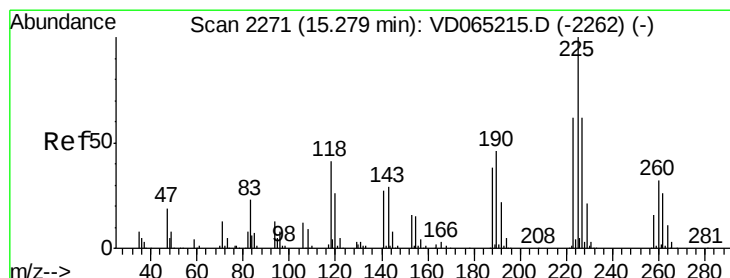
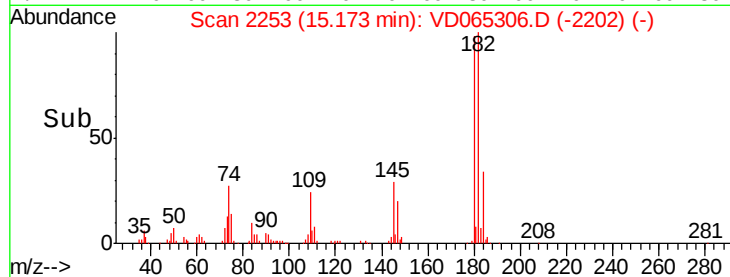
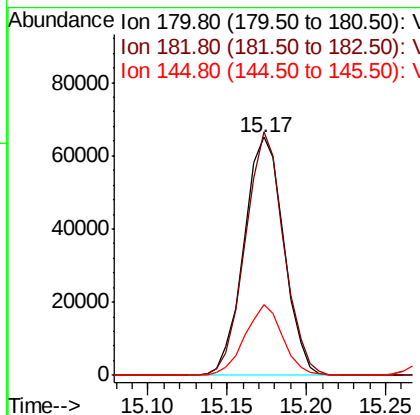
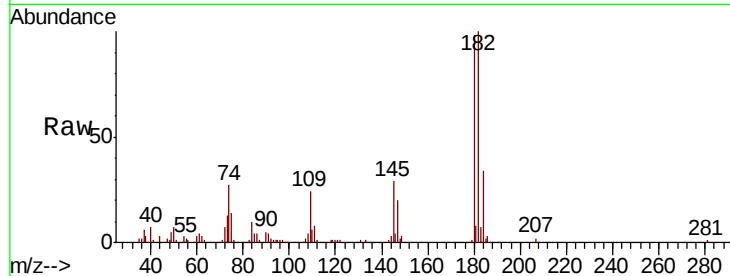




#93
 1,2,4-Trichlorobenzene
 Concen: 20.211 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

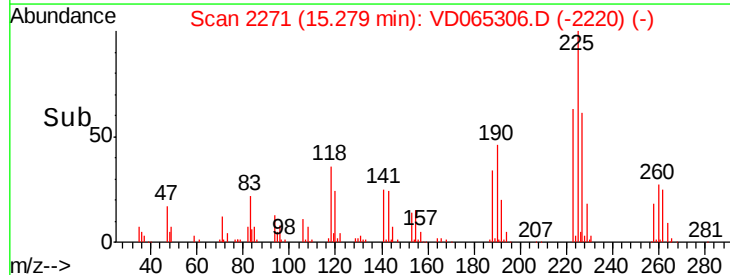
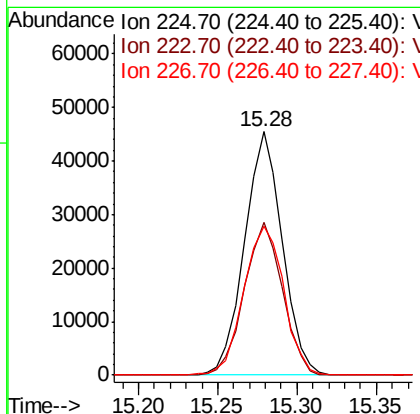
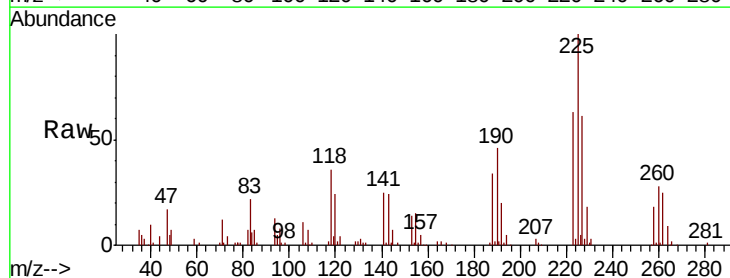
Instrument :
 MSVOA_D
 ClientSampleId :

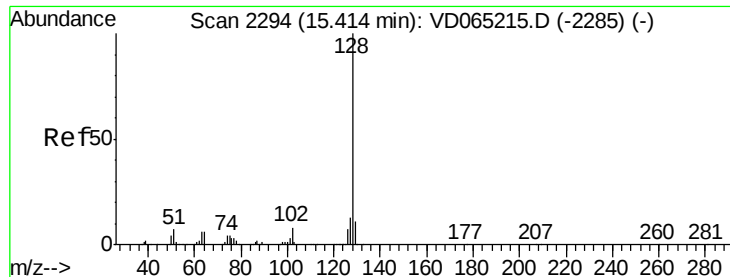
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	46.9	140.6
145	28.2	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 20.835 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065306.D
 Acq: 25 Feb 2020 12:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.2
227	64.9	31.7	95.1

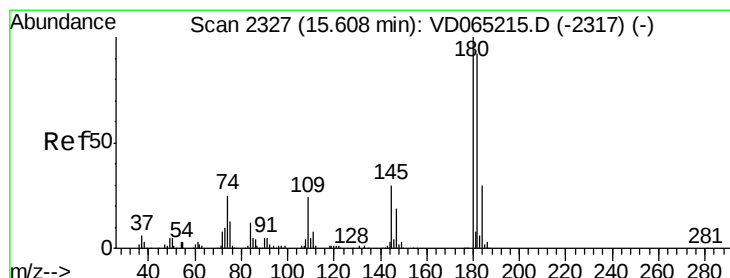
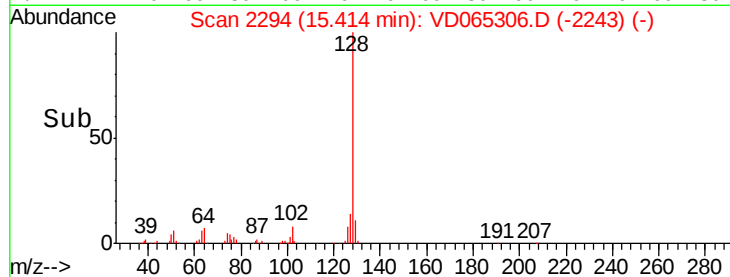
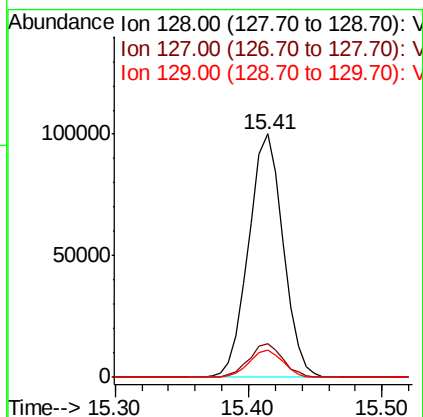
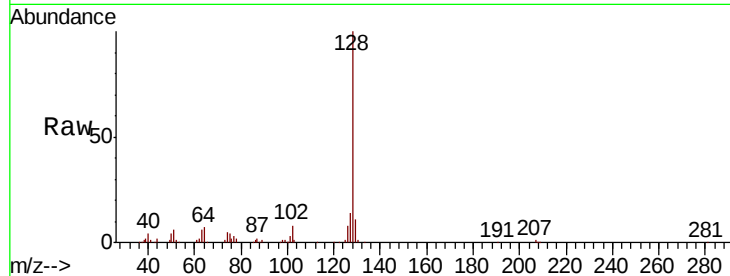




#95
Naphthalene
Concen: 19.575 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 179243
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.837 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065306.D
Acq: 25 Feb 2020 12:46

Tgt Ion:180 Resp: 102504
Ion Ratio Lower Upper
180 100
182 95.7 46.9 140.6
145 30.5 15.4 46.1

