

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065290.D
 Acq On : 24 Feb 2020 13:05
 Operator : VA/SY
 Sample : L1635-03MSD
 Misc : 5.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:21:32 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	402942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	590801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	451343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	139269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	182157	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.92	113	190176	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	10.34	98	678432	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.64	95	154337	35.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	182647	54.044	ug/l	99
3) Chloromethane	2.21	50	216129	50.243	ug/l	98
4) Vinyl Chloride	2.35	62	219541	50.190	ug/l	100
5) Bromomethane	2.77	94	127805	48.324	ug/l	96
6) Chloroethane	2.92	64	134542	50.390	ug/l	100
7) Trichlorofluoromethane	3.27	101	308715	49.296	ug/l	98
8) Diethyl Ether	3.71	74	97273	51.457	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	186092	47.055	ug/l	99
10) Methyl Iodide	4.29	142	229619	55.920	ug/l	99
11) Tert butyl alcohol	5.25	59	49437	228.230	ug/l	97
12) 1,1-Dichloroethene	4.06	96	185759	49.723	ug/l	97
13) Acrolein	3.92	56	44365	156.234	ug/l	100
14) Allyl chloride	4.71	41	317210	52.287	ug/l	98
15) Acrylonitrile	5.43	53	204009	243.760	ug/l	99
16) Acetone	4.17	43	141370	159.541	ug/l	96
17) Carbon Disulfide	4.40	76	593033	47.348	ug/l	98
18) Methyl Acetate	4.72	43	350446	175.846	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	415339	53.313	ug/l	98
20) Methylene Chloride	4.96	84	219482	56.212	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	213294	50.222	ug/l	98
22) Diisopropyl ether	6.37	45	614185	52.516	ug/l	95
23) Vinyl Acetate	6.31	43	150953	23.412	ug/l	97
24) 1,1-Dichloroethane	6.27	63	373290	51.459	ug/l	100
25) 2-Butanone	7.22	43	238125	212.400	ug/l	98
26) 2,2-Dichloropropane	7.21	77	313588	49.824	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	227540	50.580	ug/l	98
28) Bromochloromethane	7.55	49	147428	54.780	ug/l	98
29) Tetrahydrofuran	7.57	42	165482	251.919	ug/l	100
30) Chloroform	7.71	83	369223	50.521	ug/l	98
31) Cyclohexane	7.98	56	283578	39.787	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	314486	48.095	ug/l	98
36) 1,1-Dichloropropene	8.11	75	264993	46.097	ug/l	100
37) Ethyl Acetate	7.30	43	82313	34.252	ug/l	99
38) Carbon Tetrachloride	8.10	117	279847	47.821	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216432	32.025	ug/l	97
40) Benzene	8.36	78	818429	50.440	ug/l	99
41) Methacrylonitrile	7.53	41	54046	38.950	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	227439	50.987	ug/l	100
43) Isopropyl Acetate	8.46	43	172550	39.485	ug/l	95
44) Trichloroethene	9.11	130	209511	46.582	ug/l	94
45) 1,2-Dichloropropane	9.39	63	210371	52.141	ug/l	98
46) Dibromomethane	9.48	93	103979	50.088	ug/l	98
47) Bromodichloromethane	9.67	83	269391	49.242	ug/l	97
48) Methyl methacrylate	9.46	41	133316	65.999	ug/l	97
49) 1,4-Dioxane	9.47	88	24538	1007.829	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	554595	249.862	ug/l	99
52) Toluene	10.41	92	479866	47.779	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	246407	48.592	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	308381	50.361	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	144882	49.586	ug/l	99
56) Ethyl methacrylate	10.67	69	109855	32.574	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245535	49.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	229708	216.044	ug/l	99
59) 2-Hexanone	10.99	43	357531	225.020	ug/l	97
60) Dibromochloromethane	11.14	129	177606	47.491	ug/l	98
61) 1,2-Dibromoethane	11.25	107	133589	48.289	ug/l	98
64) Tetrachloroethene	10.88	164	146493	45.764	ug/l	97
65) Chlorobenzene	11.67	112	431327	47.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	186813	55.271	ug/l	98
67) Ethyl Benzene	11.75	91	765540	48.260	ug/l	99
68) m/p-Xylenes	11.86	106	581994	95.896	ug/l	98
69) o-Xylene	12.18	106	276716	51.464	ug/l	97
70) Styrene	12.20	104	435890	45.660	ug/l	99
71) Bromoform	12.37	173	95730	51.041	ug/l #	100
73) Isopropylbenzene	12.48	105	639972	69.409	ug/l	99
74) N-amyl acetate	12.29	43	55027	26.858	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	138162	83.027	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	172163	145.292	ug/l #	100
77) Bromobenzene	12.77	156	156757	68.466	ug/l	98
78) n-propylbenzene	12.83	91	644290	58.148	ug/l	99
79) 2-Chlorotoluene	12.91	91	372768	60.054	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	478439	63.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	43752	79.724	ug/l	98
82) 4-Chlorotoluene	13.01	91	372022	56.454	ug/l	99
83) tert-Butylbenzene	13.23	119	415718	65.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	463566	60.987	ug/l	99
85) sec-Butylbenzene	13.41	105	454623	49.570	ug/l	99
86) p-Isopropyltoluene	13.53	119	406513	48.469	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	208211	47.040	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203120	46.497	ug/l	98
89) n-Butylbenzene	13.85	91	259593	33.589	ug/l	99
90) Hexachloroethane	14.12	117	97786	57.421	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185528	48.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18909	73.737	ug/l	96

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MSVOA_D
ClientSampleId :

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

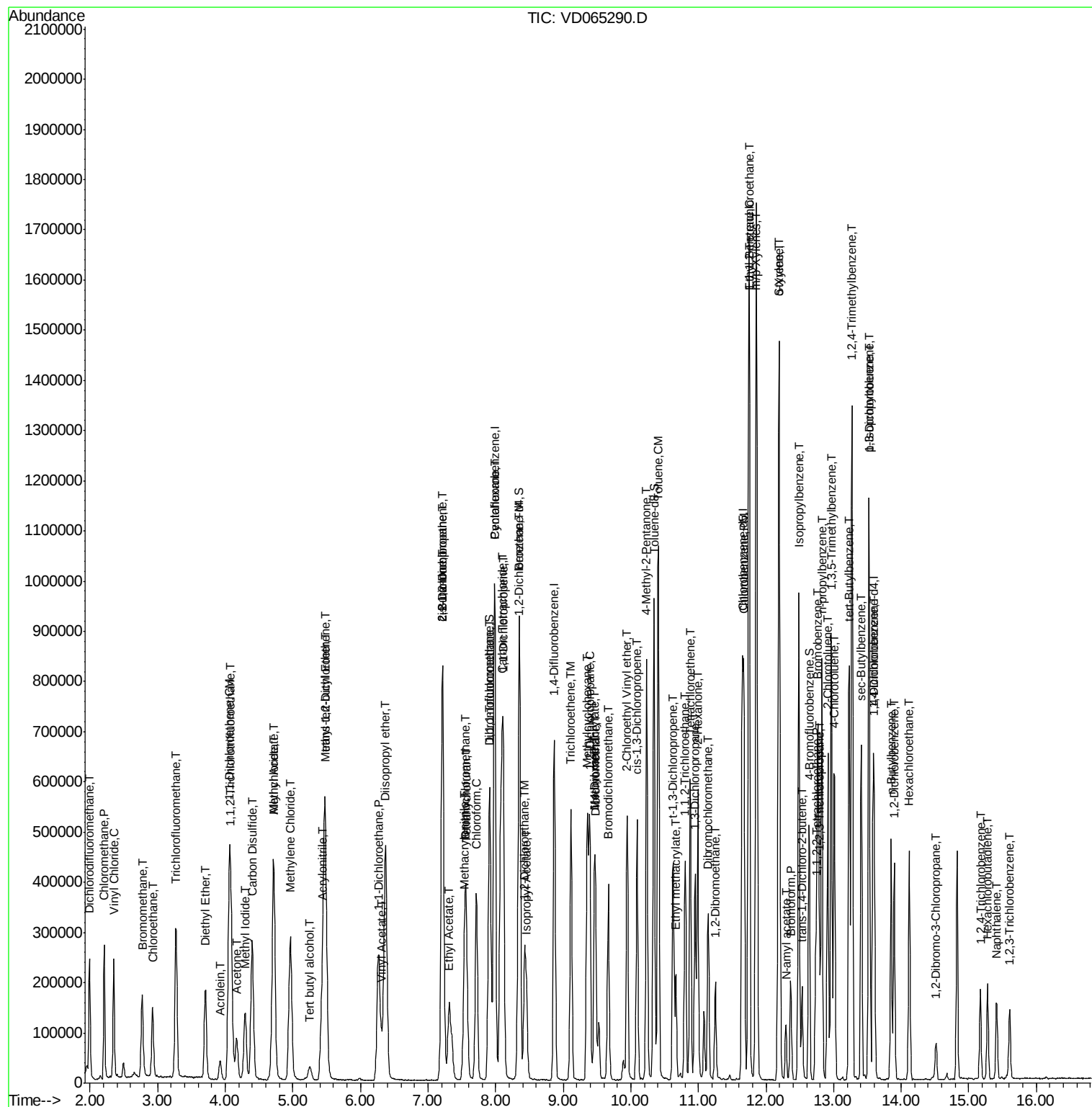
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	62414	25.107	ug/l	99
94) Hexachlorobutadiene	15.28	225	39226	24.598	ug/l	98
95) Naphthalene	15.41	128	139964	34.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	52699	24.272	ug/l	99

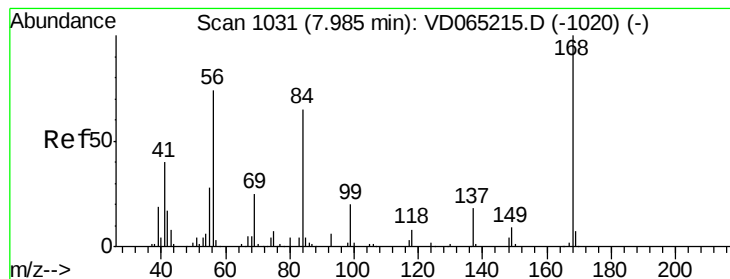
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

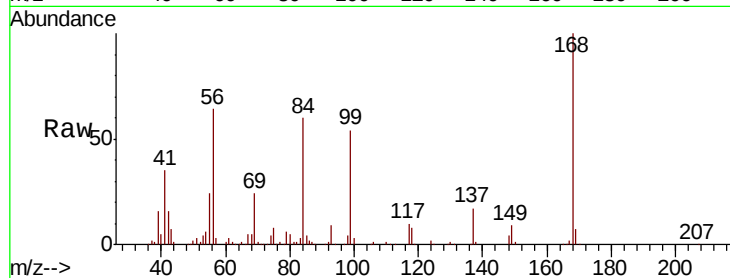
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 402942

Ion Ratio Lower Upper

168 100

99 54.1 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

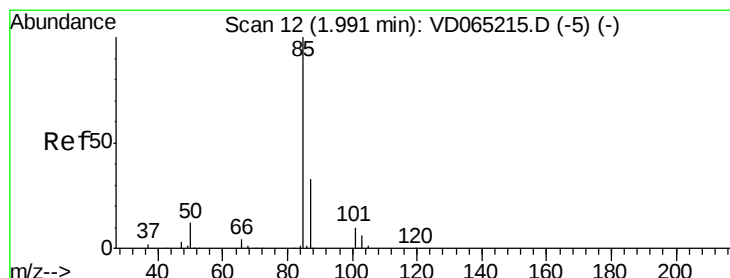
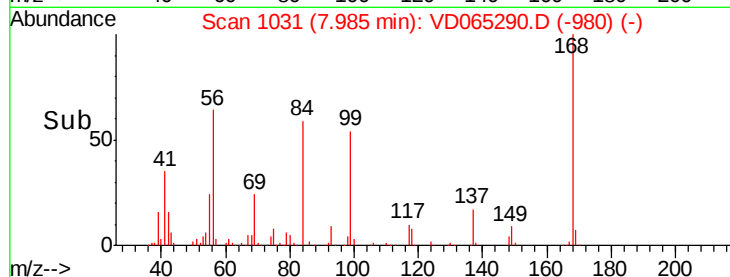
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.044 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065290.D

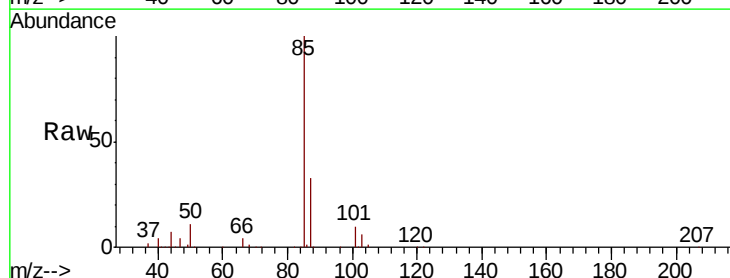
Acq: 24 Feb 2020 13:05

Tgt Ion: 85 Resp: 182647

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

1.90

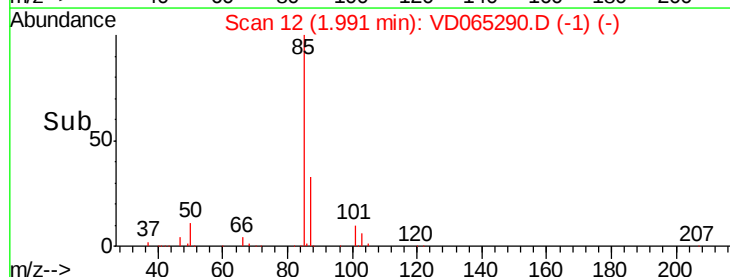
1.95

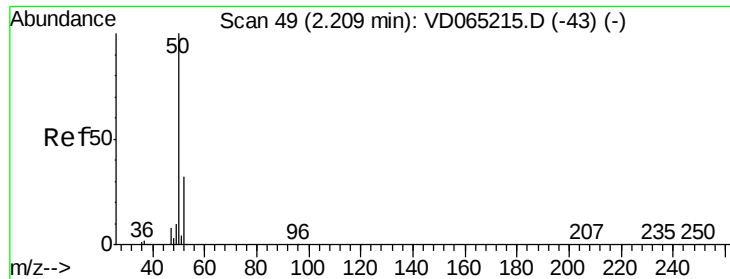
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 50.243 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

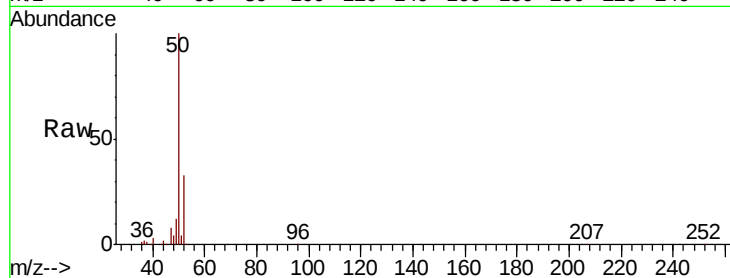
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 216129

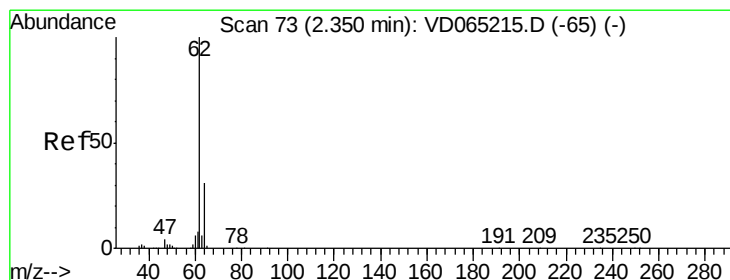
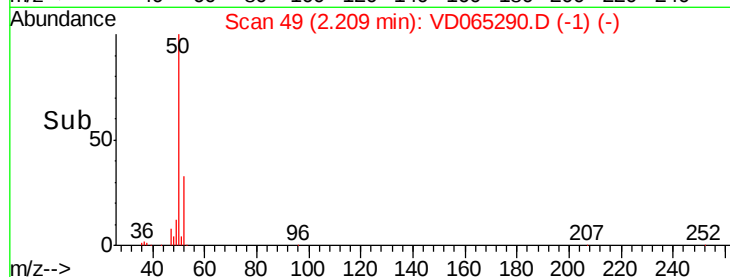
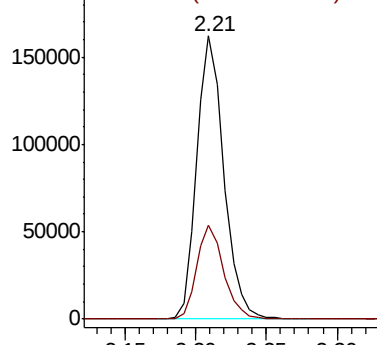
Ion Ratio Lower Upper

50 100

52 33.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.190 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065290.D

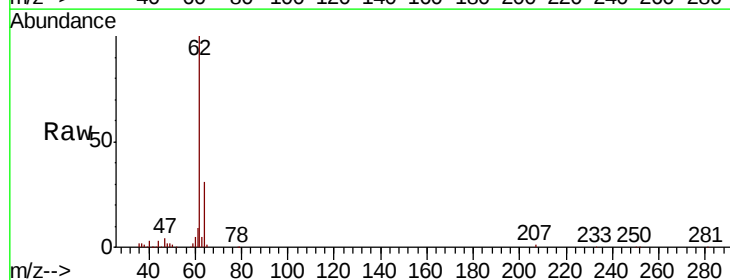
Acq: 24 Feb 2020 13:05

Tgt Ion: 62 Resp: 219541

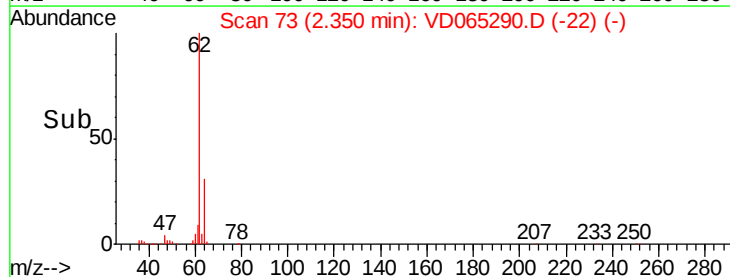
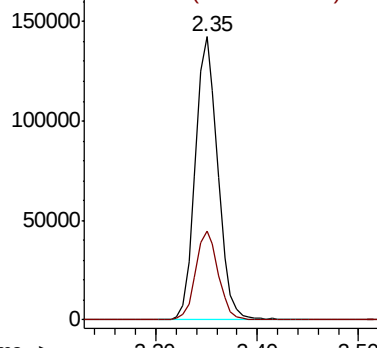
Ion Ratio Lower Upper

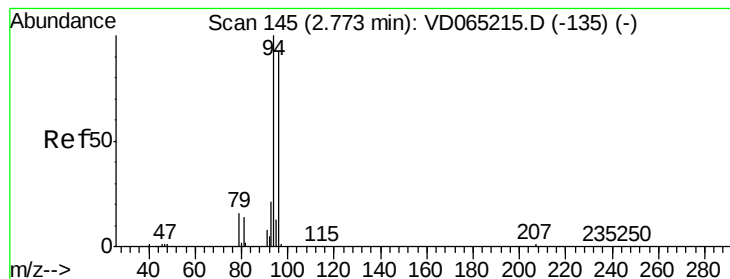
62 100

64 31.3 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: 48.324 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

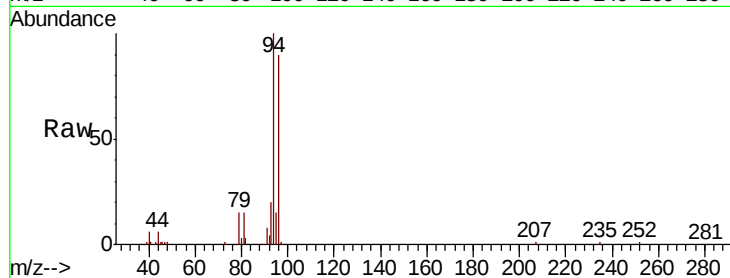
ClientSampleId :

Tot Ion: 94 Resp: 127805

Ion Ratio Lower Upper

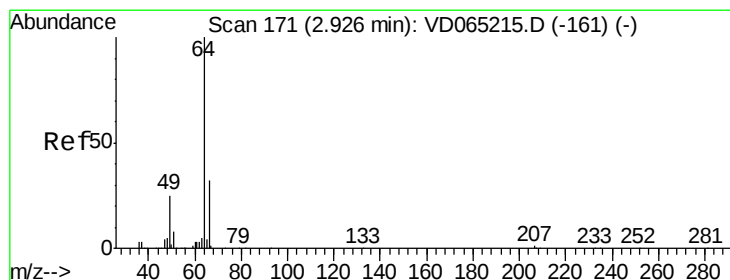
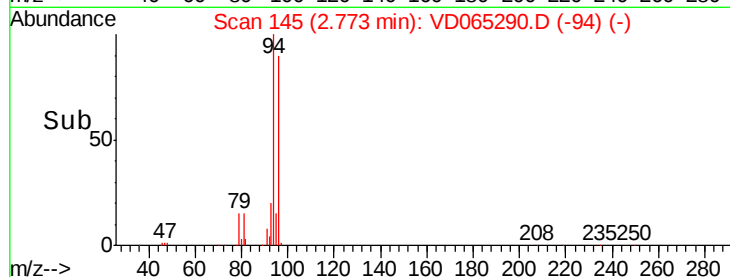
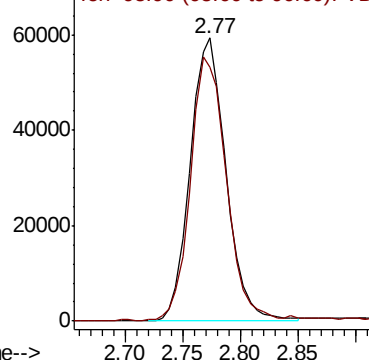
94 100

96 89.4 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.390 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065290.D

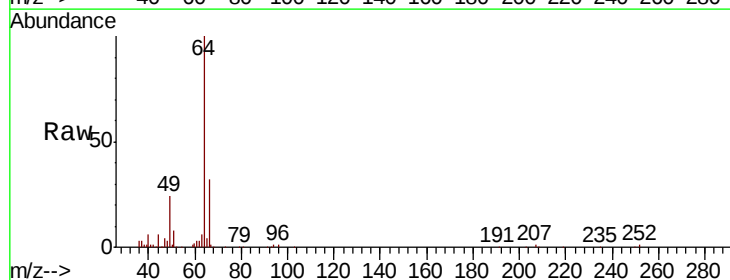
Acq: 24 Feb 2020 13:05

Tgt Ion: 64 Resp: 134542

Ion Ratio Lower Upper

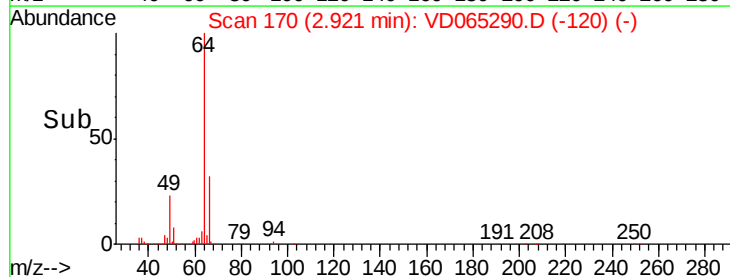
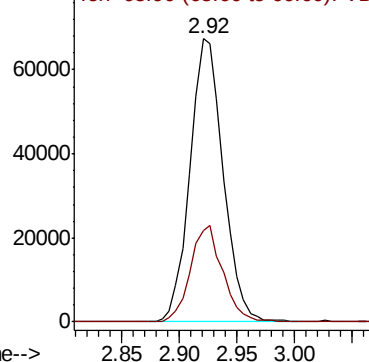
64 100

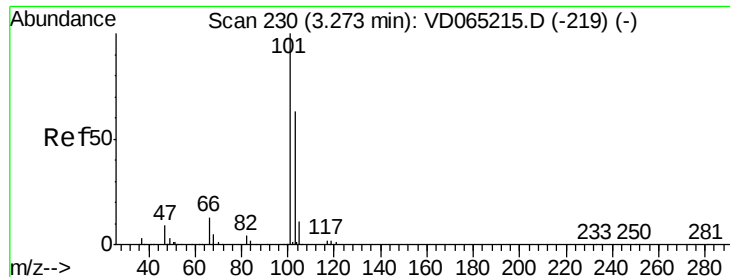
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



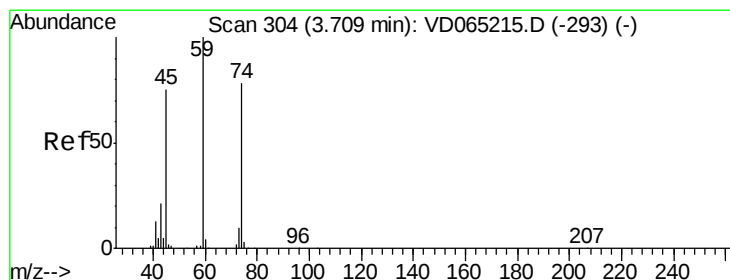
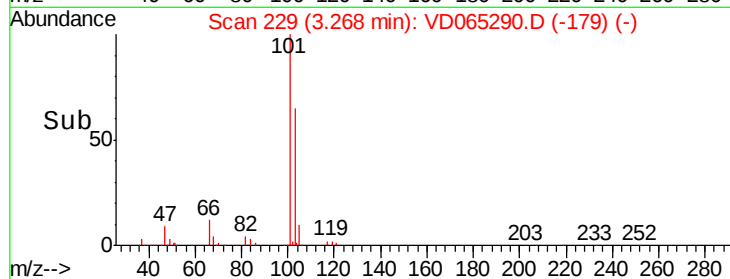
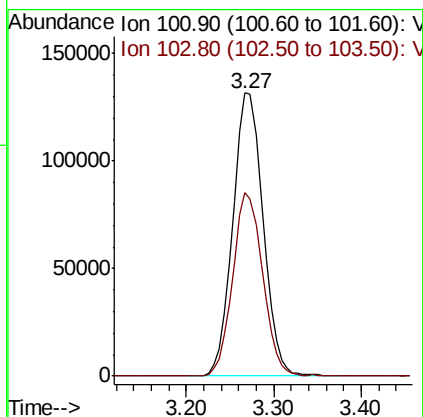
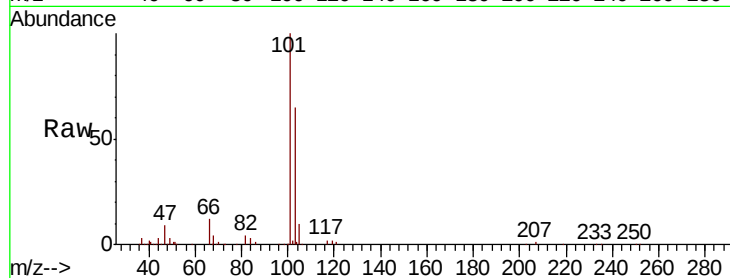


#7

Trichlorofluoromethane
Concen: 49.296 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampled :

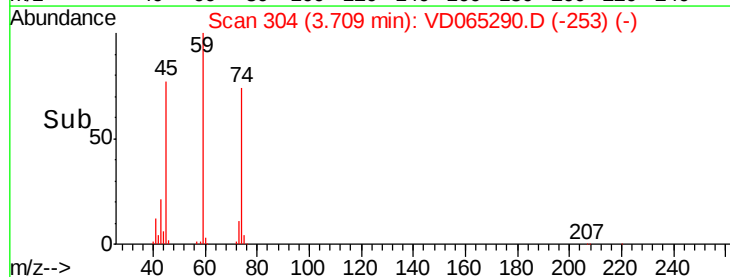
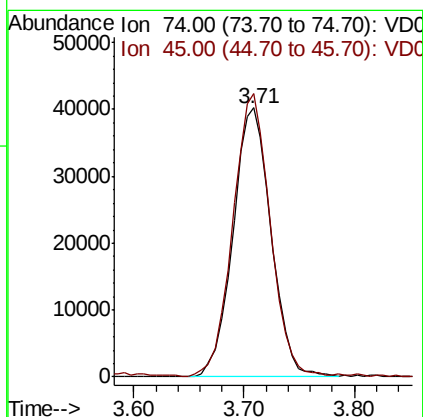
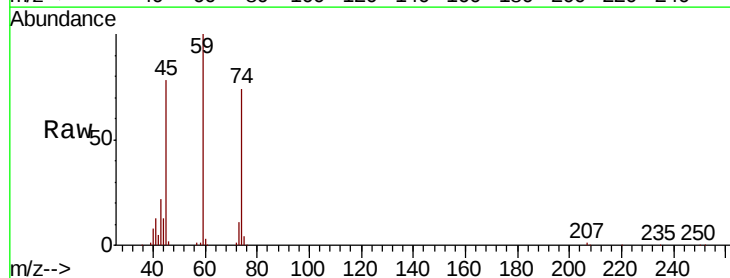
Tot Ion:101 Resp: 308715
Ion Ratio Lower Upper
101 100
103 64.7 50.7 76.1

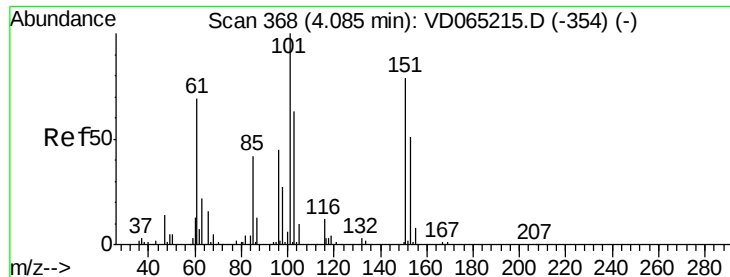


#8

Diethyl Ether
Concen: 51.457 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 74 Resp: 97273
Ion Ratio Lower Upper
74 100
45 103.9 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.055 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

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ClientSampleId :

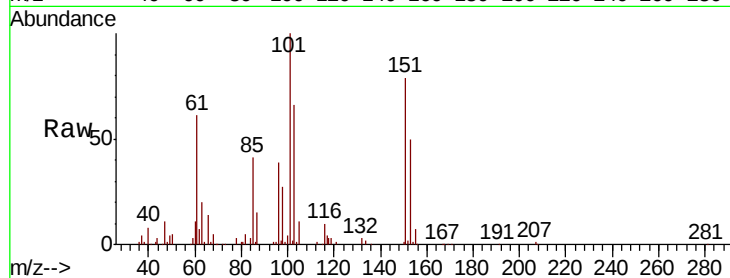
Tot Ion:101 Resp: 186092

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

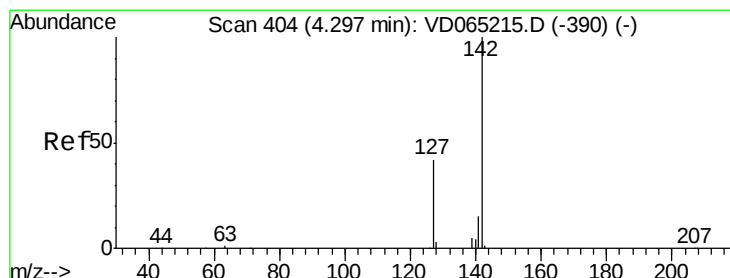
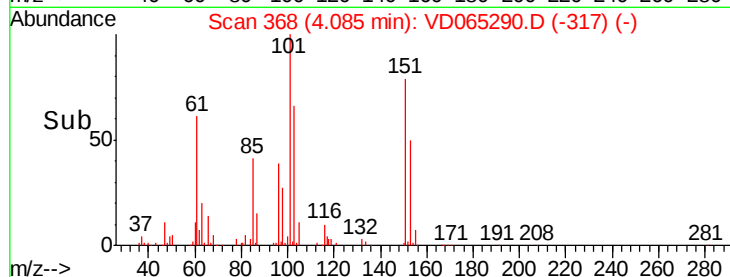
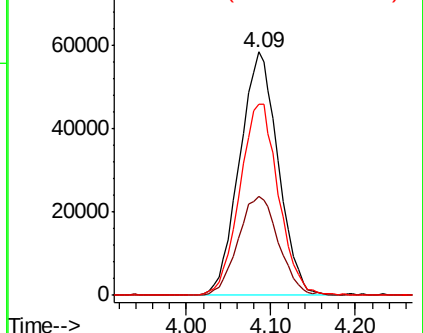
151 78.8 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.920 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

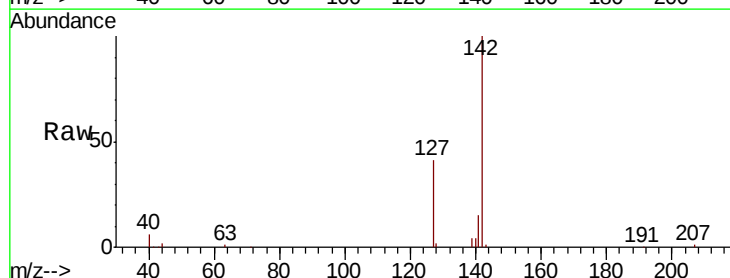
Tgt Ion:142 Resp: 229619

Ion Ratio Lower Upper

142 100

127 43.2 33.8 50.8

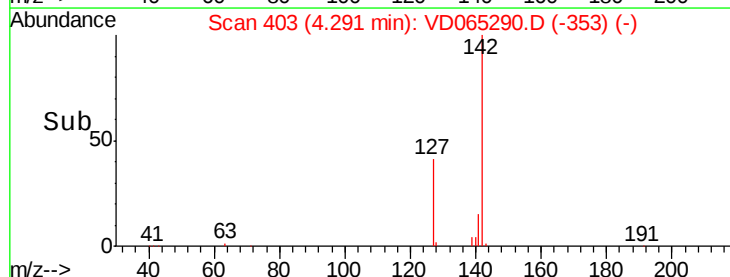
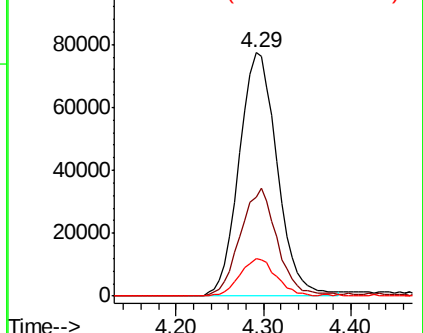
141 14.7 11.7 17.5

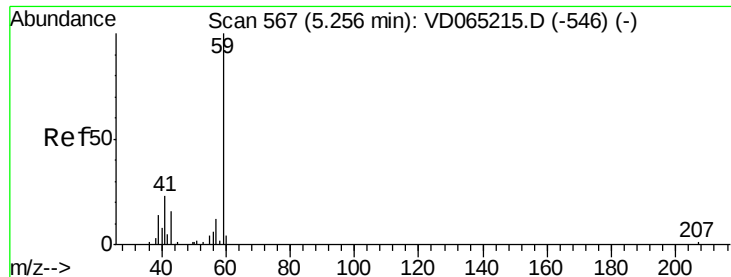


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 228.230 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

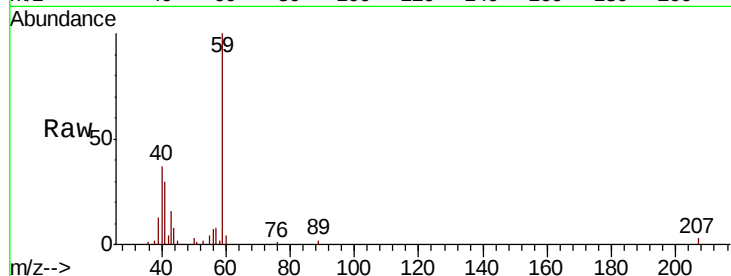
ClientSampleId :

Tot Ion: 59 Resp: 49437

Ion Ratio Lower Upper

59 100

57 9.3 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

15000

10000

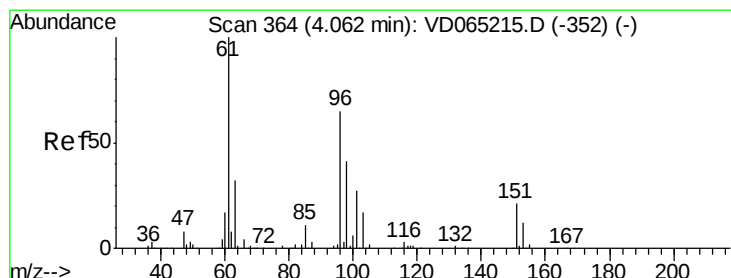
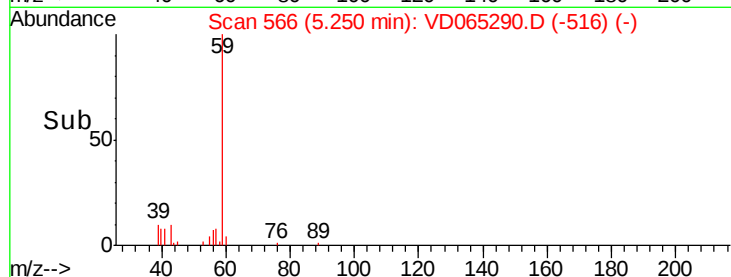
5000

0

Time-->

5.10 5.20 5.30

5.25



#12

1,1-Dichloroethene

Concen: 49.723 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

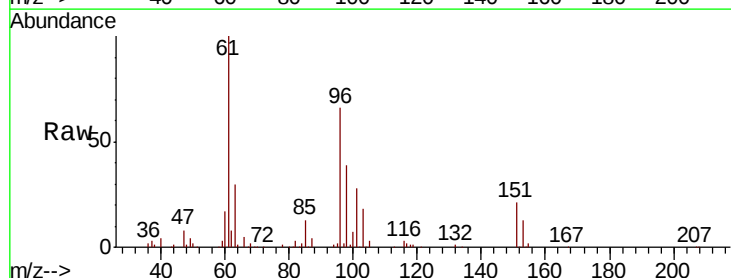
Tgt Ion: 96 Resp: 185759

Ion Ratio Lower Upper

96 100

61 151.6 123.3 184.9

98 58.6 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

150000

100000

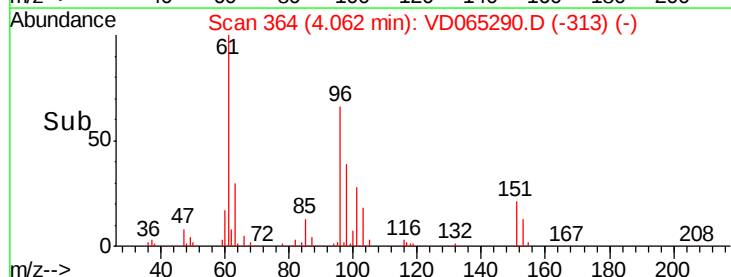
50000

0

Time-->

4.00 4.10 4.20

4.06





#13

Acrolein

Concen: 156.234 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

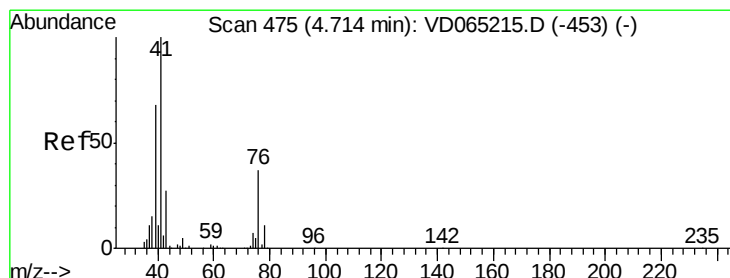
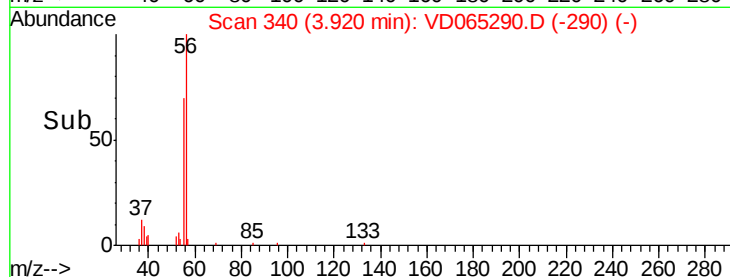
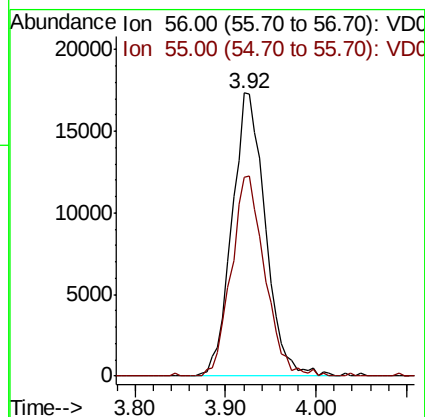
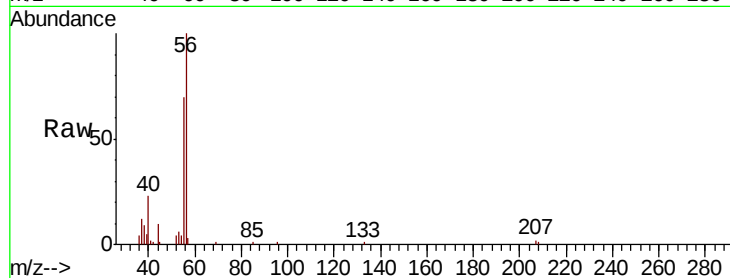
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 44365

Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0



#14

Allyl chloride

Concen: 52.287 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

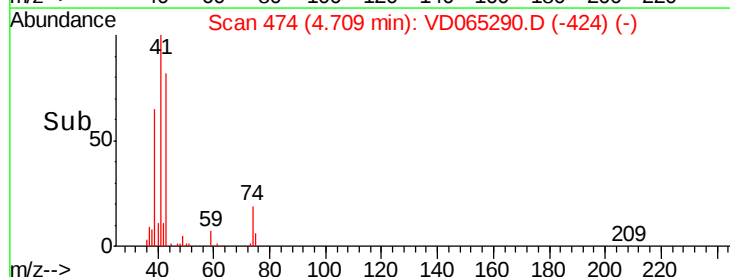
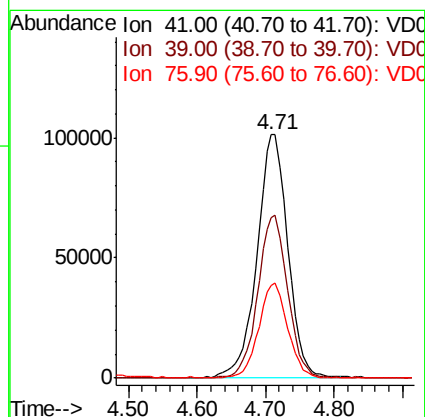
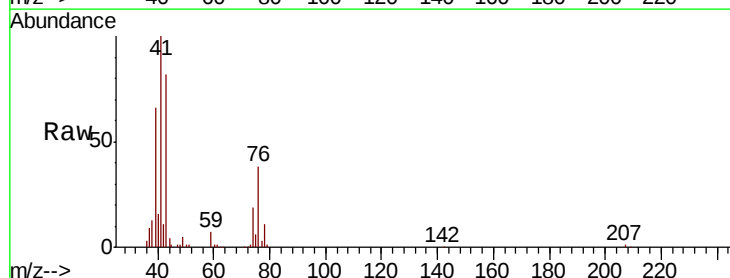
Tgt Ion: 41 Resp: 317210

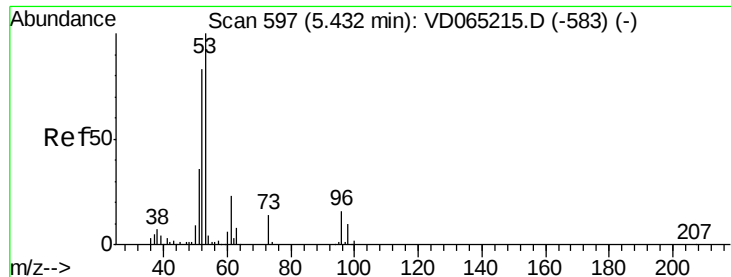
Ion Ratio Lower Upper

41 100

39 64.9 53.8 80.6

76 36.2 28.7 43.1





#15

Acrylonitrile

Concen: 243.760 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

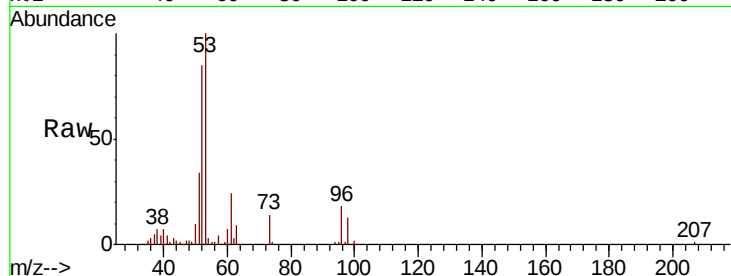
Tot Ion: 53 Resp: 204009

Ion Ratio Lower Upper

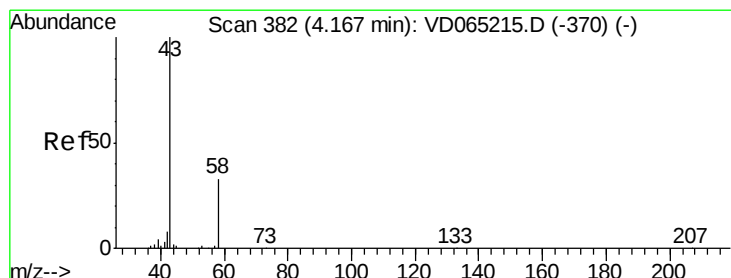
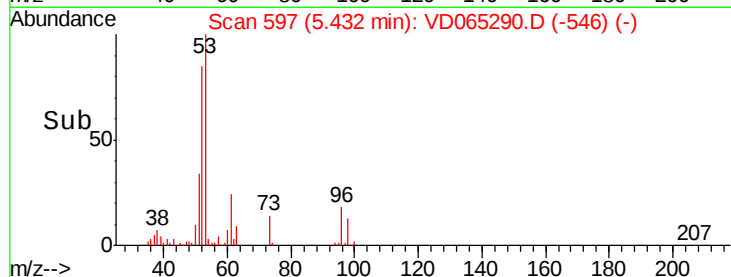
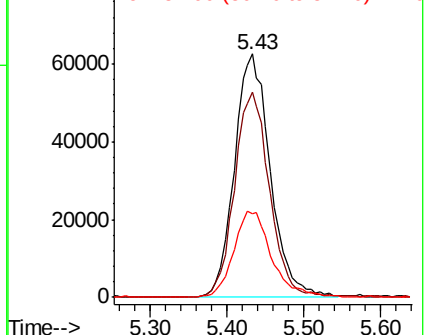
53 100

52 82.7 65.4 98.2

51 37.4 29.5 44.3



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



#16

Acetone

Concen: 159.541 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065290.D

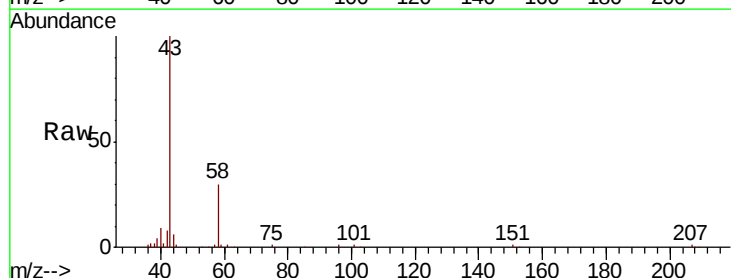
Acq: 24 Feb 2020 13:05

Tgt Ion: 43 Resp: 141370

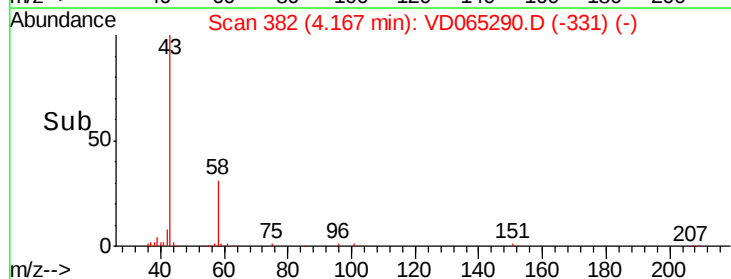
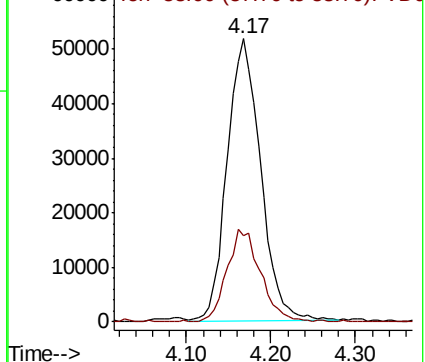
Ion Ratio Lower Upper

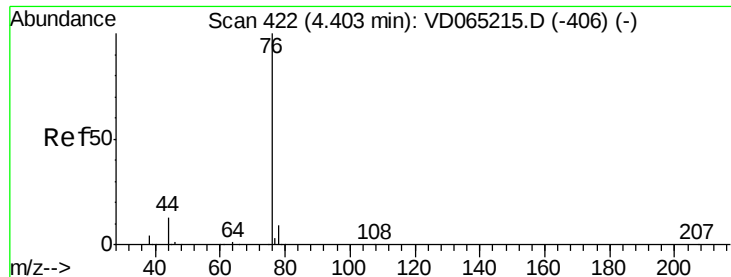
43 100

58 30.6 26.2 39.2



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

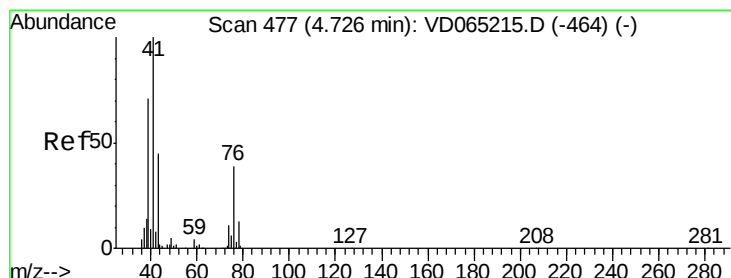
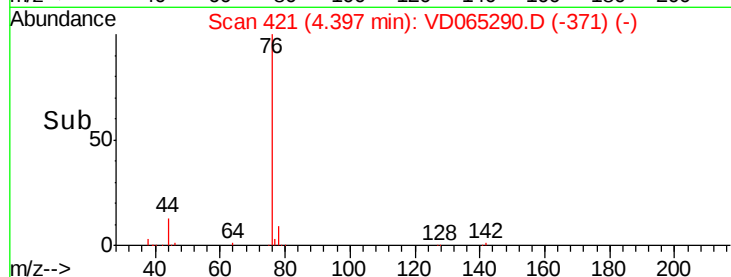
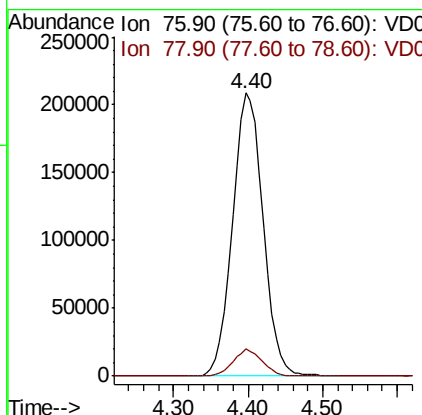
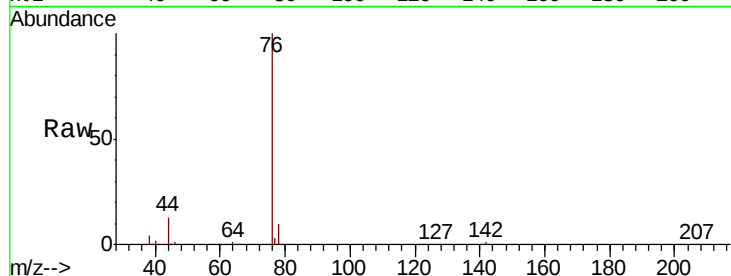




#17
Carbon Disulfide
Concen: 47.348 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

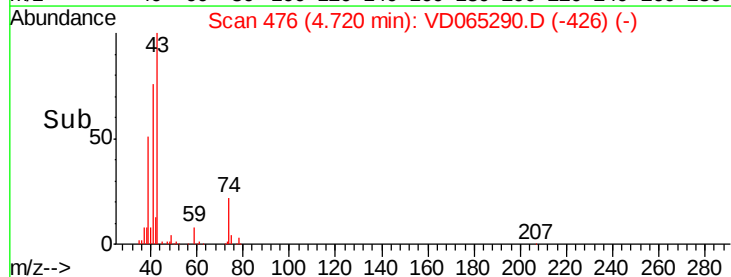
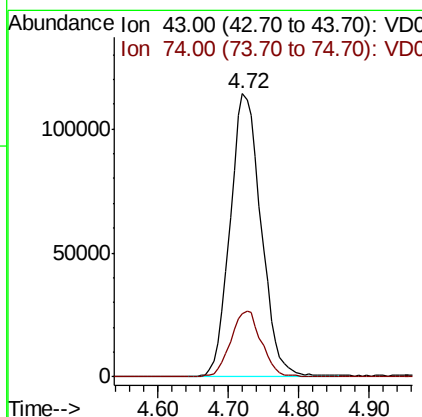
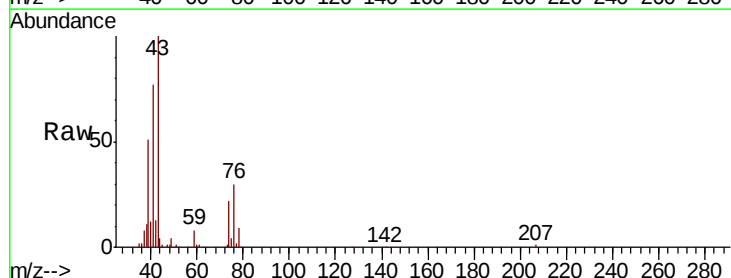
Instrument :
MSVOA_D
ClientSampleId :

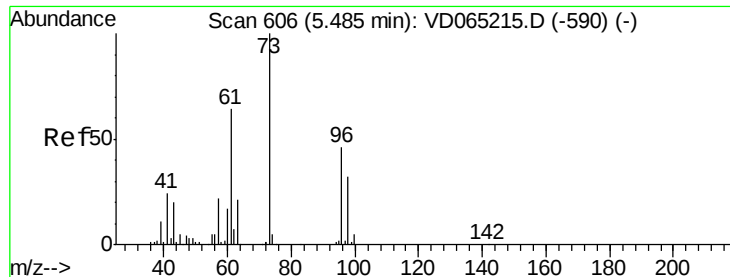
Tot Ion: 76 Resp: 593033
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 175.846 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 43 Resp: 350446
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2



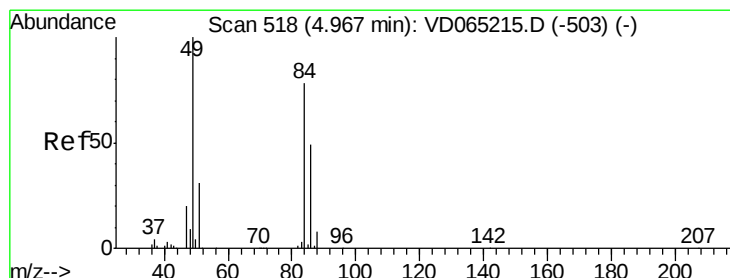
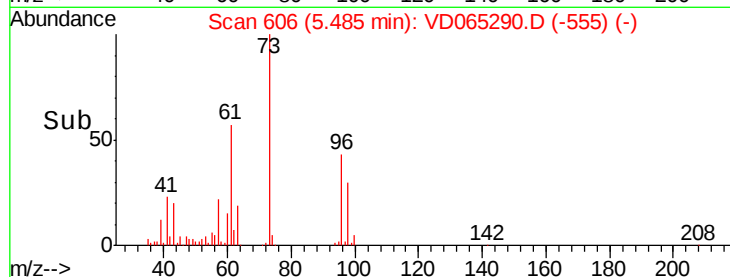
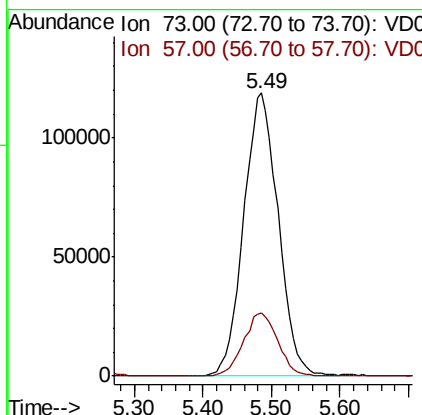
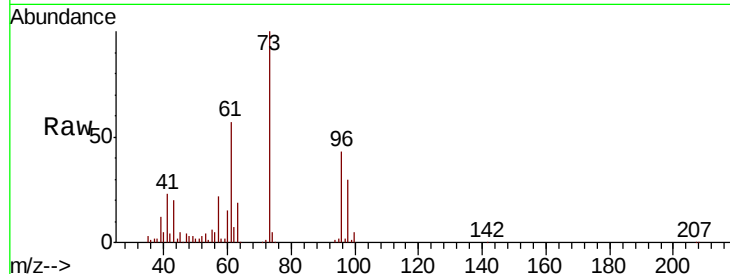


#19

Methyl tert-butyl Ether
 Concen: 53.313 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampled :

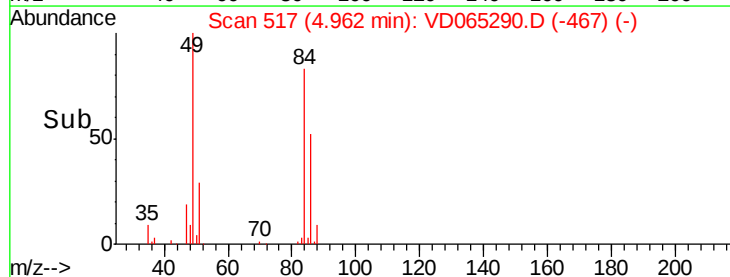
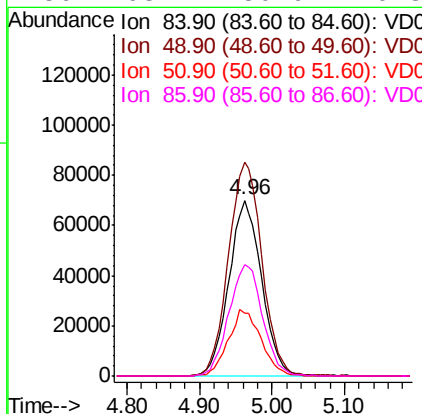
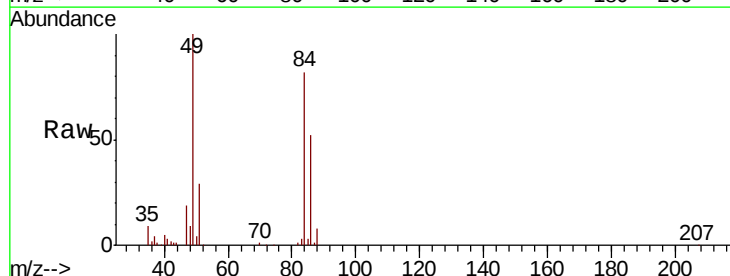
Tot Ion: 73 Resp: 415339
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.3 25.9

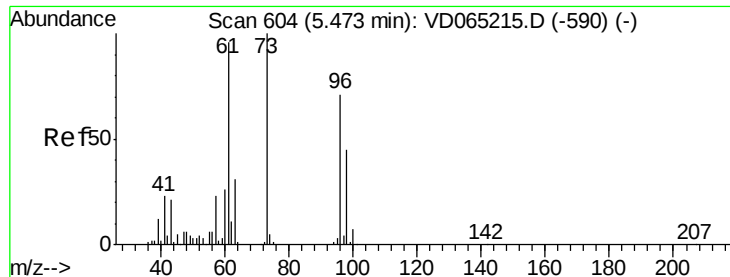


#20

Methylene Chloride
 Concen: 56.212 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion: 84 Resp: 219482
 Ion Ratio Lower Upper
 84 100
 49 121.6 103.1 154.7
 51 35.6 31.7 47.5
 86 63.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.222 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampled :

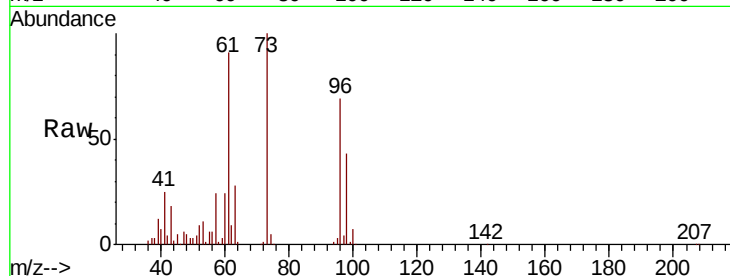
Tot Ion: 96 Resp: 213294

Ion Ratio Lower Upper

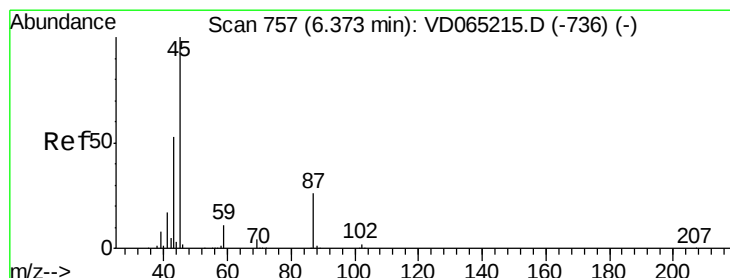
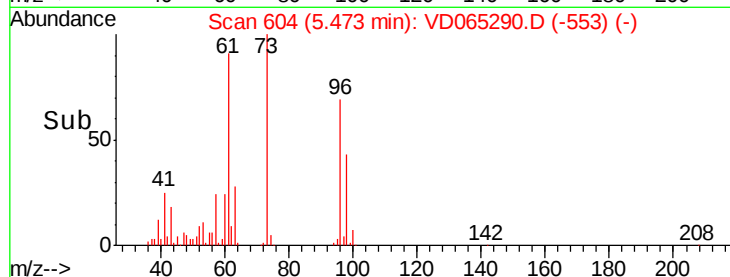
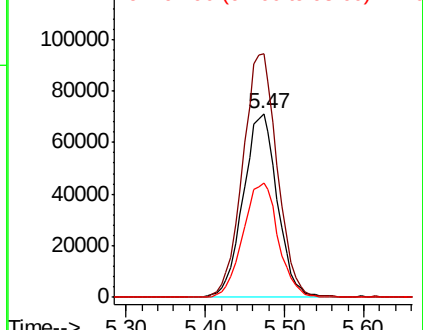
96 100

61 132.6 108.3 162.5

98 62.1 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: 52.516 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion: 45 Resp: 614185

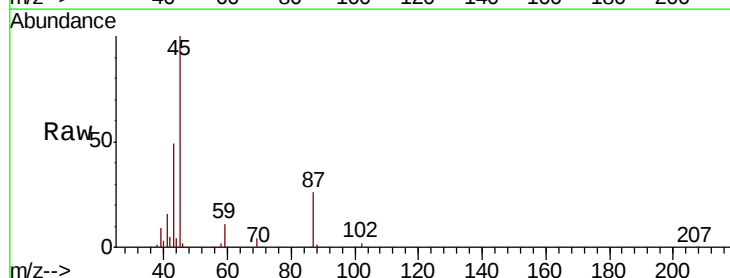
Ion Ratio Lower Upper

45 100

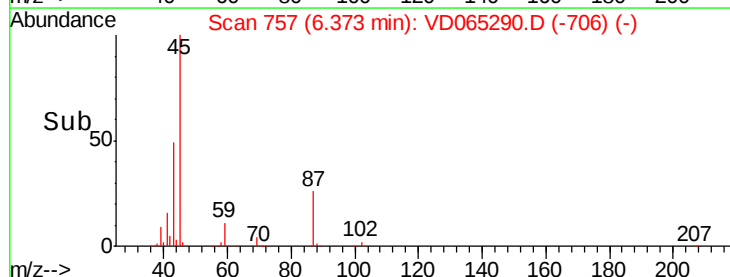
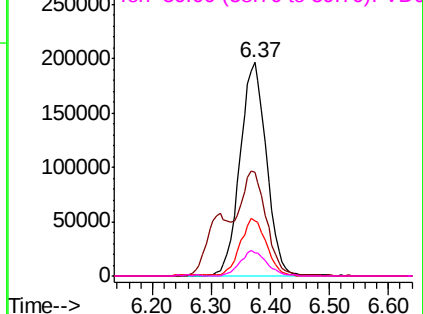
43 48.5 42.6 64.0

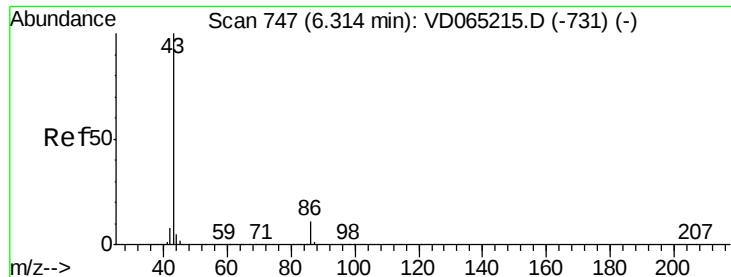
87 25.8 21.2 31.8

59 10.8 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: 23.412 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

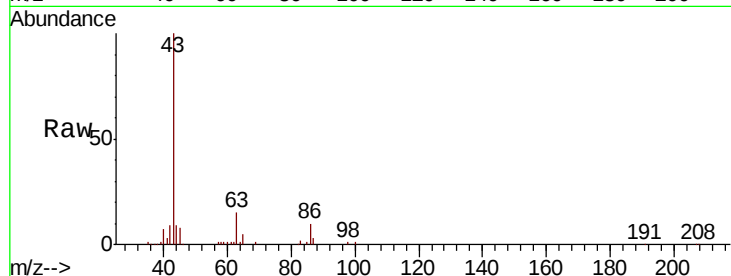
ClientSampled :

Tot Ion: 43 Resp: 150953

Ion Ratio Lower Upper

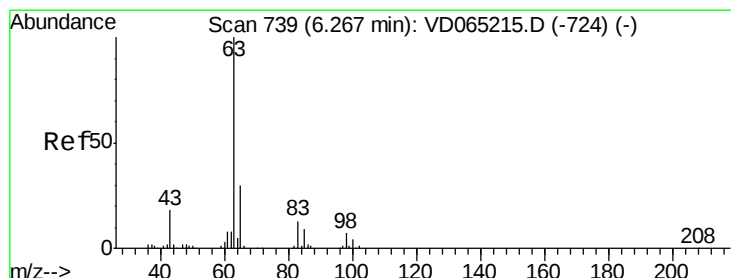
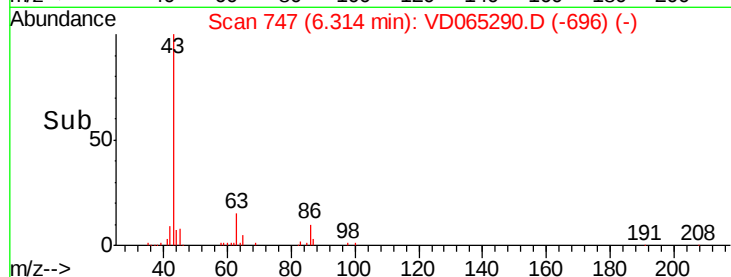
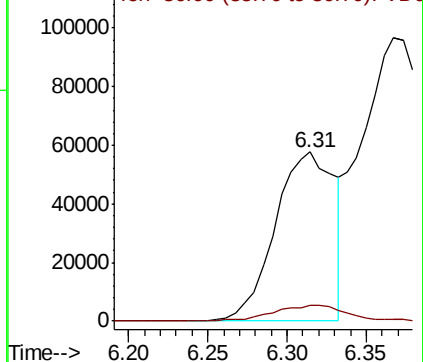
43 100

86 9.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.459 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

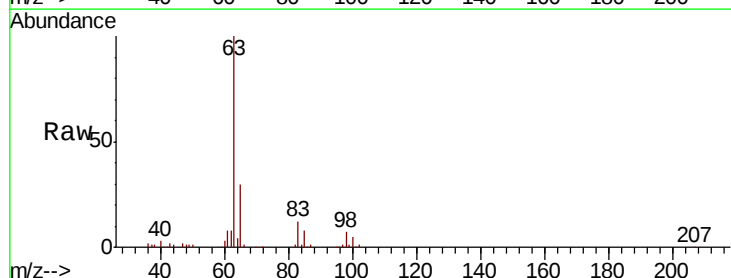
Tgt Ion: 63 Resp: 373290

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

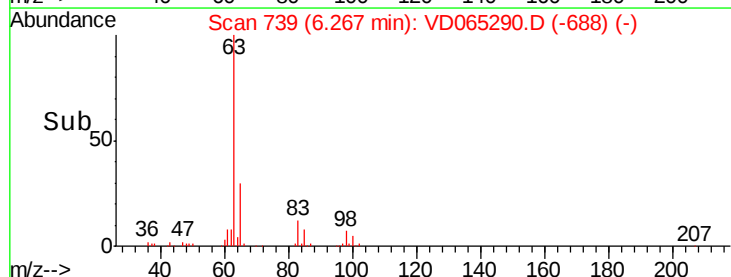
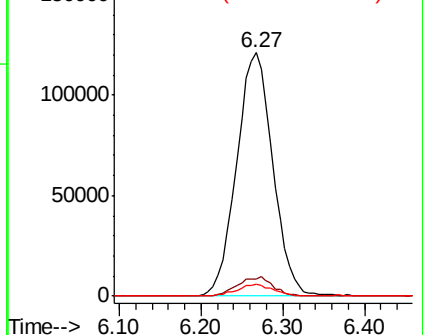
100 4.7 2.3 6.8



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

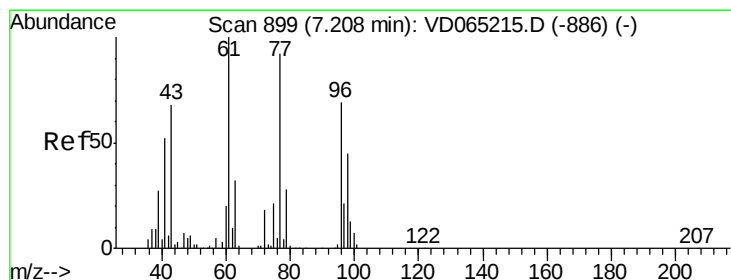
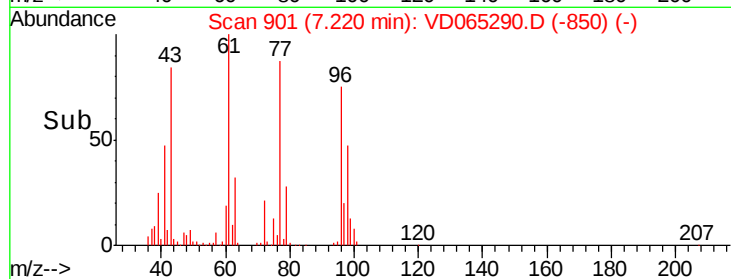
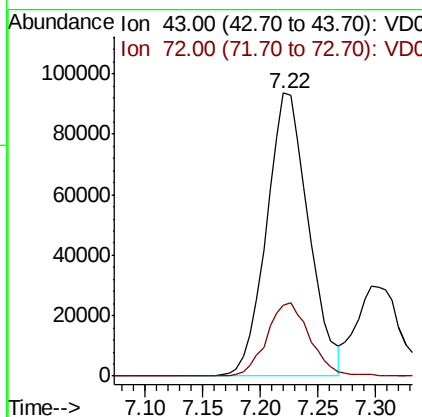
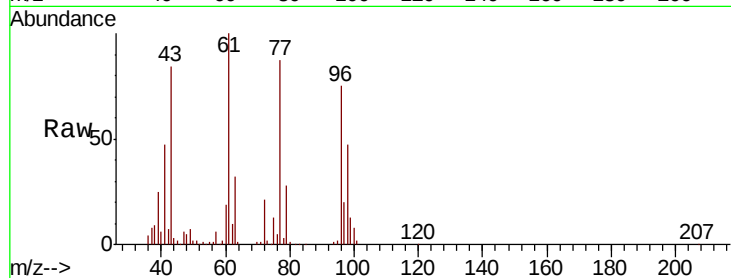




#25
2-Butanone
Concen: 212.400 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

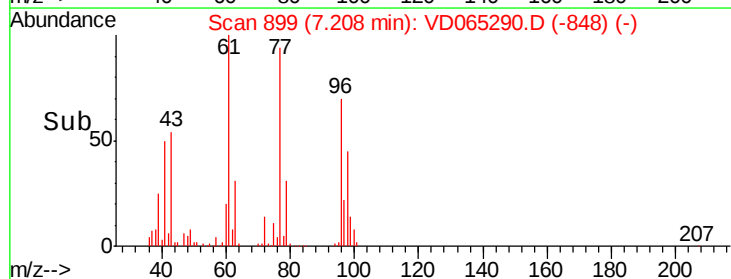
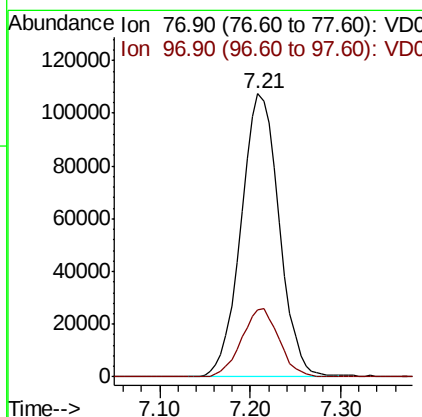
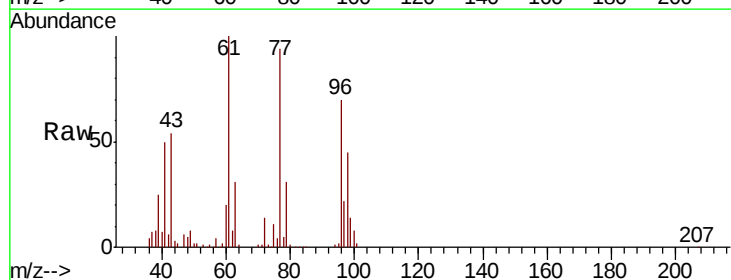
Instrument :
MSVOA_D
ClientSampled :

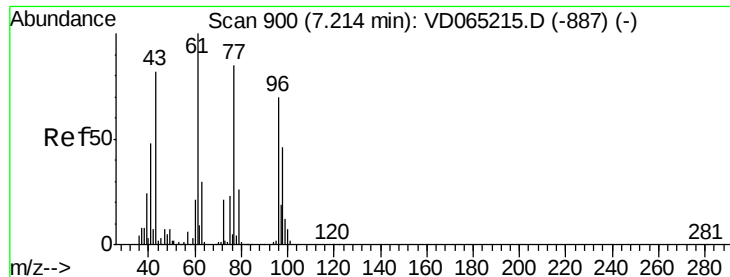
Tot Ion: 43 Resp: 238125
Ion Ratio Lower Upper
43 100
72 25.3 20.9 31.3



#26
2,2-Dichloropropane
Concen: 49.824 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 77 Resp: 313588
Ion Ratio Lower Upper
77 100
97 23.6 11.7 35.1



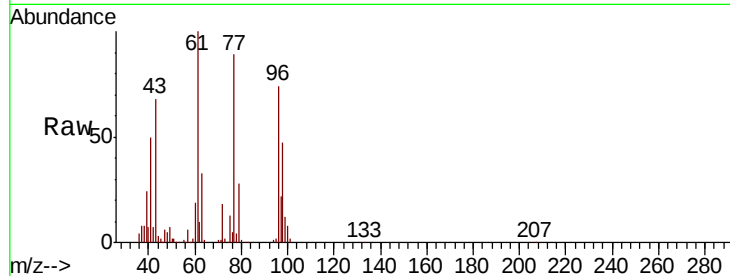


#27

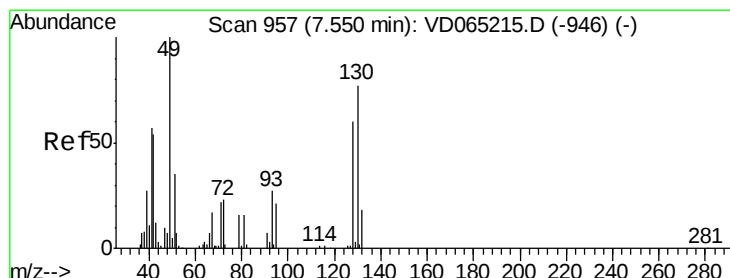
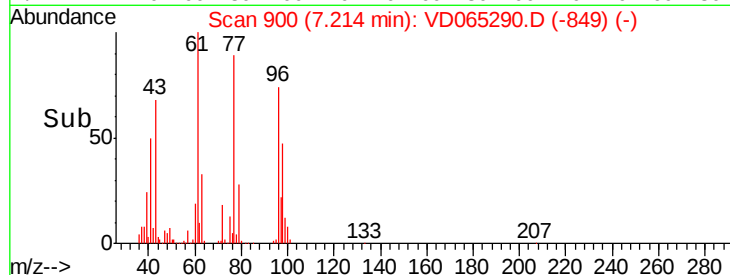
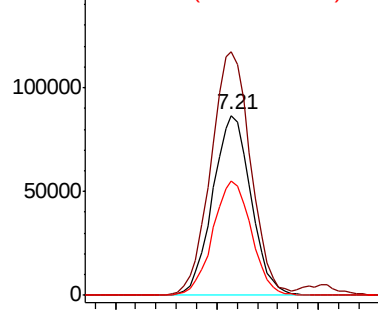
cis-1,2-Dichloroethene
Concen: 50.580 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 227540
Ion Ratio Lower Upper
96 100
61 140.2 0.0 286.0
98 64.0 0.0 127.8



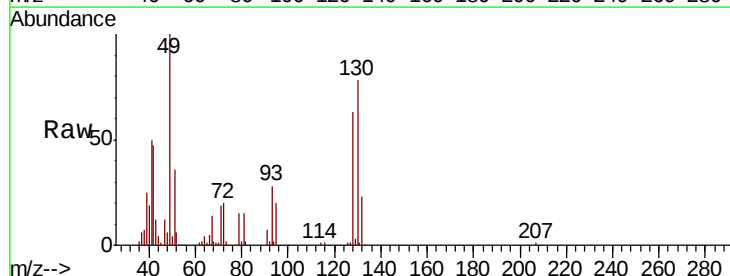
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



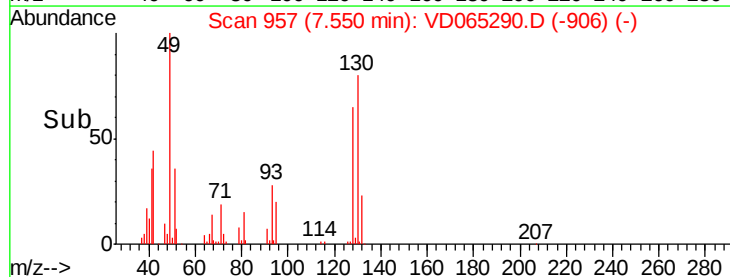
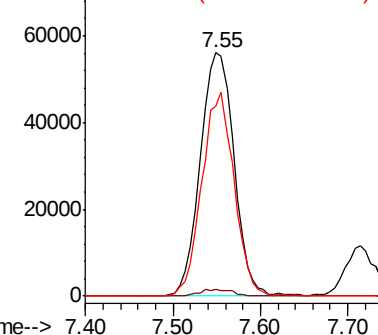
#28

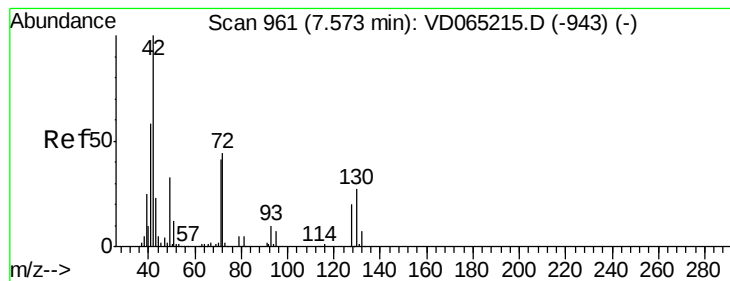
Bromochloromethane
Concen: 54.780 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 49 Resp: 147428
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.6
130 79.1 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: 251.919 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

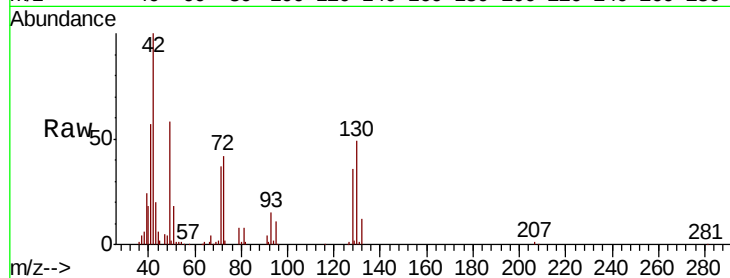
Tot Ion: 42 Resp: 165482

Ion Ratio Lower Upper

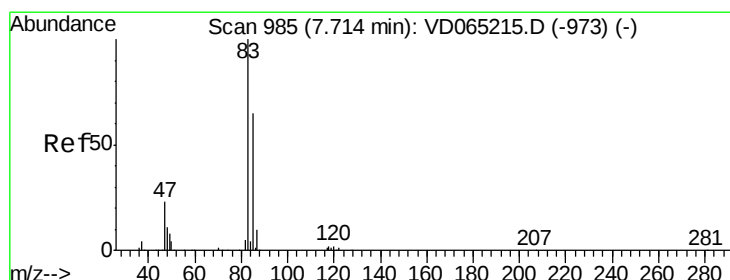
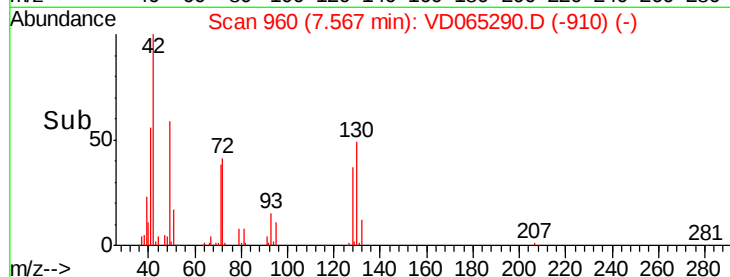
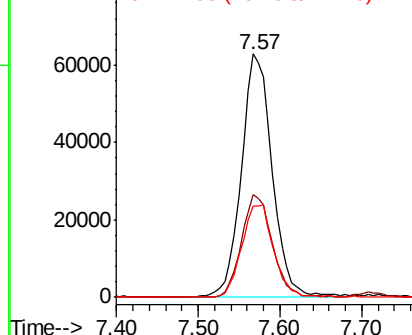
42 100

72 42.0 33.7 50.5

71 38.9 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: 50.521 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065290.D

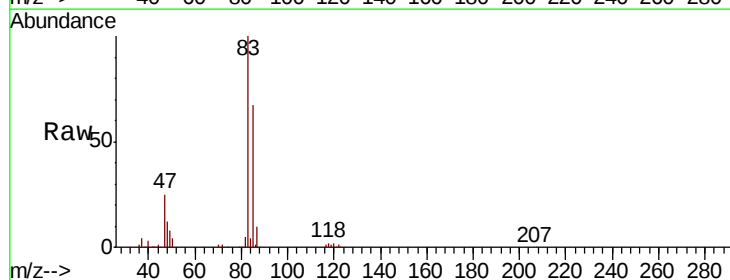
Acq: 24 Feb 2020 13:05

Tgt Ion: 83 Resp: 369223

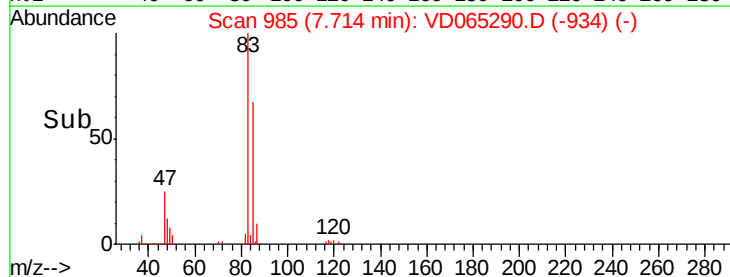
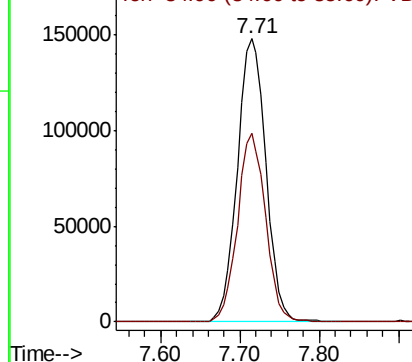
Ion Ratio Lower Upper

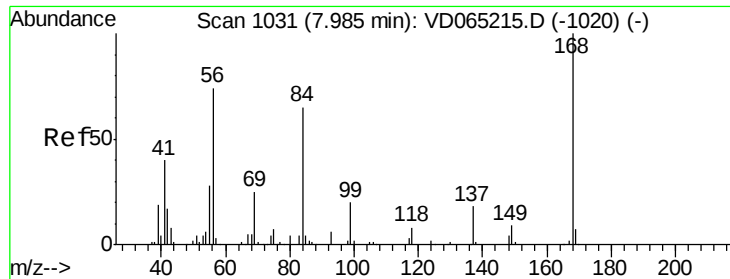
83 100

85 66.8 52.3 78.5



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

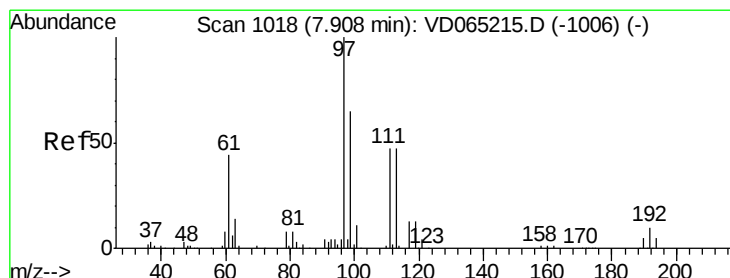
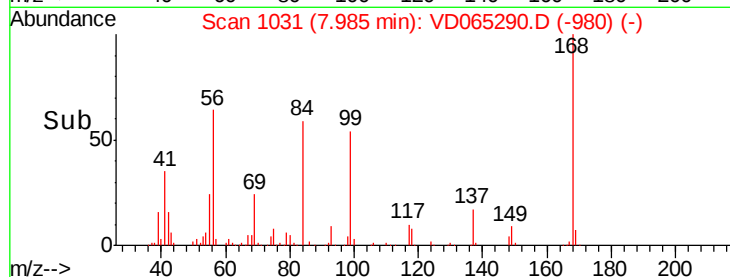
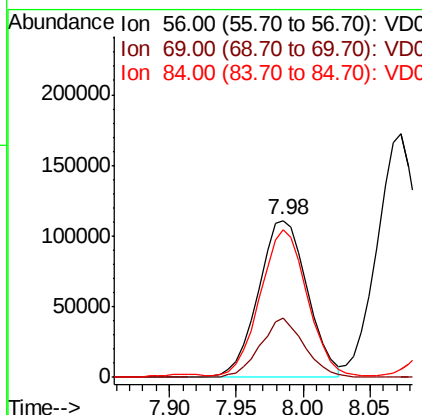
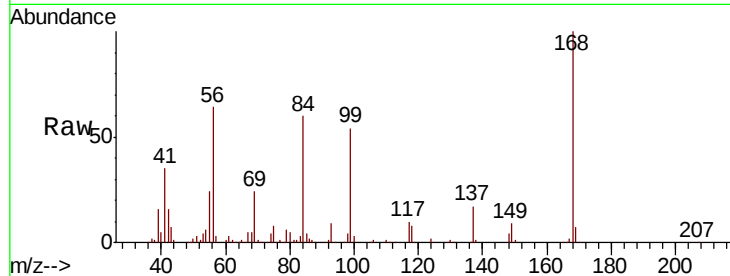




#31
Cyclohexane
Concen: 39.787 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

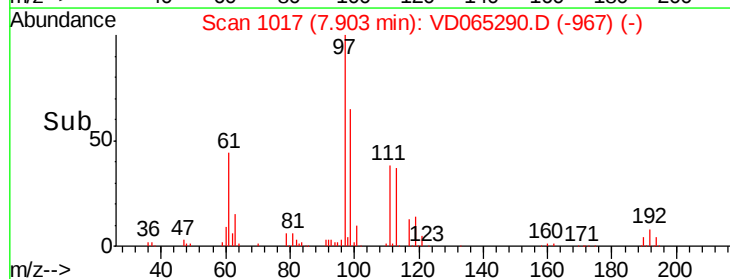
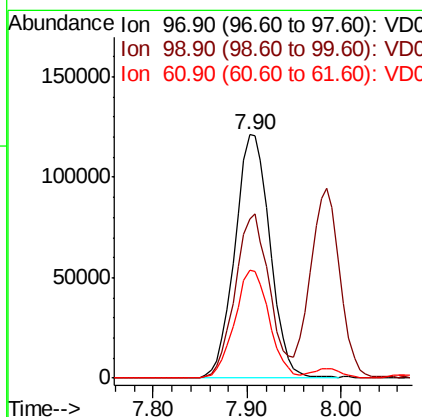
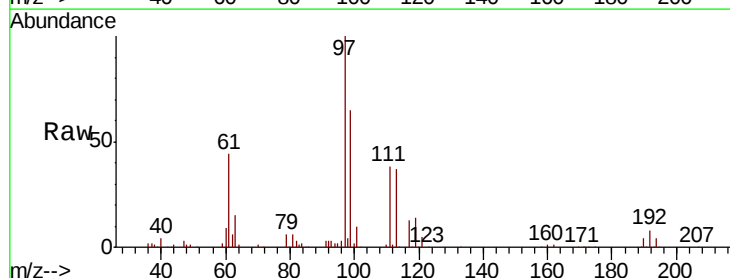
Instrument :
MSVOA_D
ClientSampled :

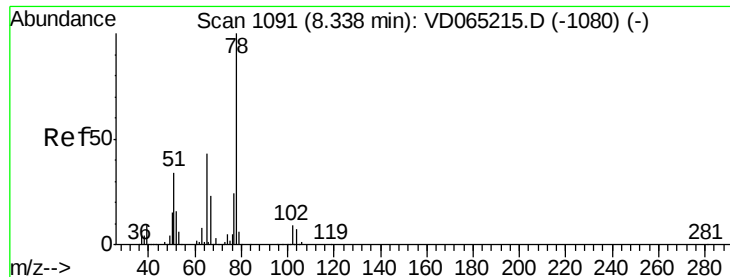
Tot Ion: 56 Resp: 283578
Ion Ratio Lower Upper
56 100
69 37.6 27.4 41.0
84 92.2 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 48.095 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 97 Resp: 314486
Ion Ratio Lower Upper
97 100
99 66.8 51.4 77.2
61 43.6 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 50.251 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

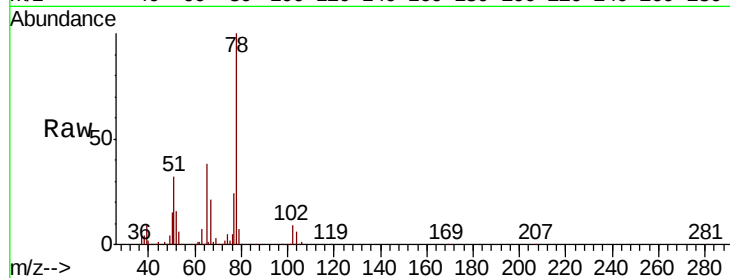
ClientSampleId :

Tot Ion: 65 Resp: 182157

Ion Ratio Lower Upper

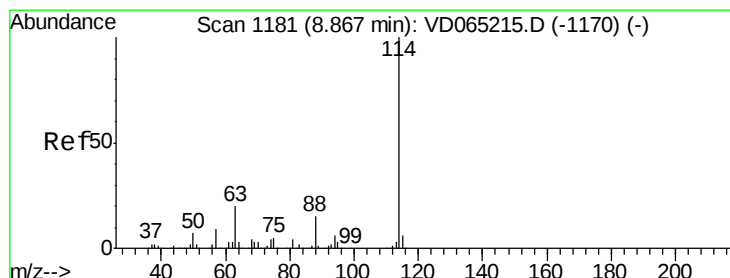
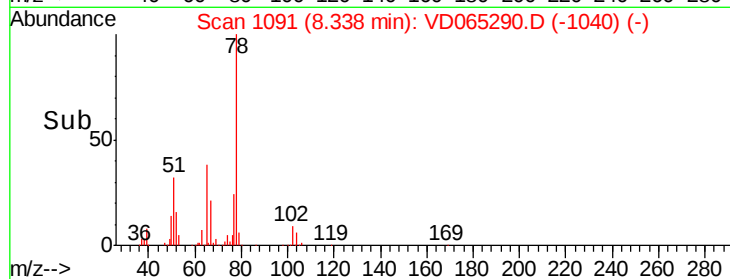
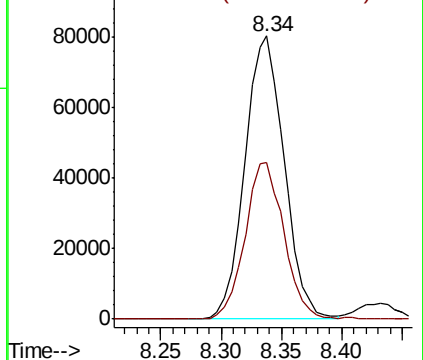
65 100

67 54.6 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: VD065290.D

Acq: 24 Feb 2020 13:05

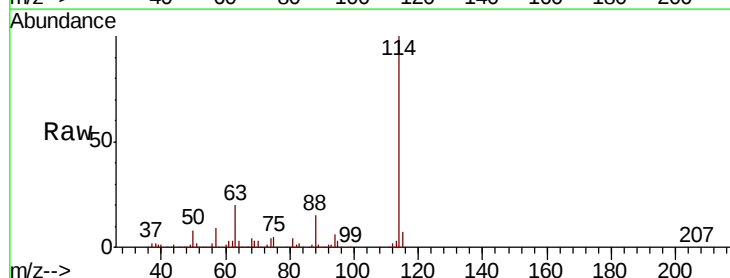
Tgt Ion: 114 Resp: 590801

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

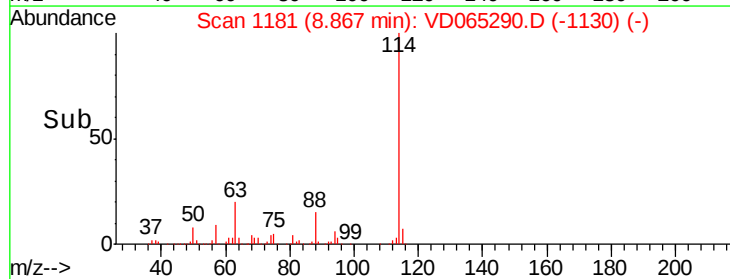
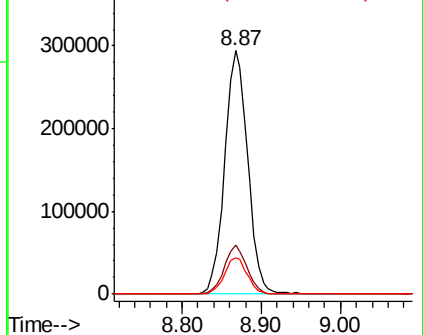
88 14.8 0.0 30.4

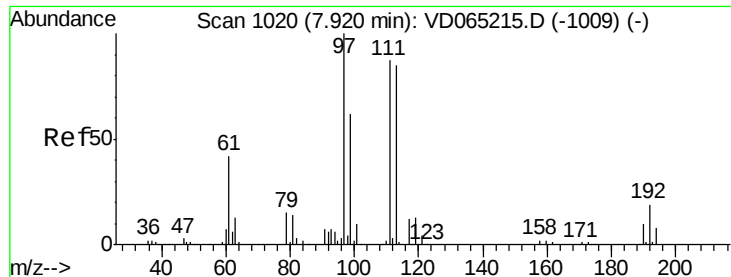


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

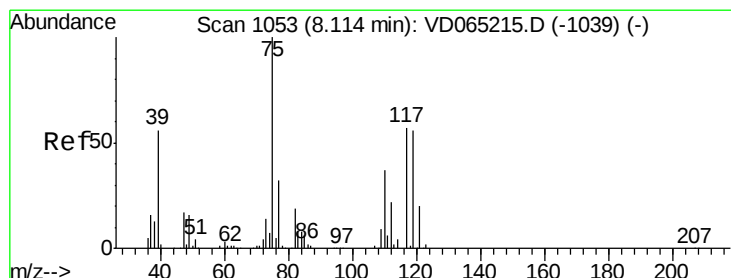
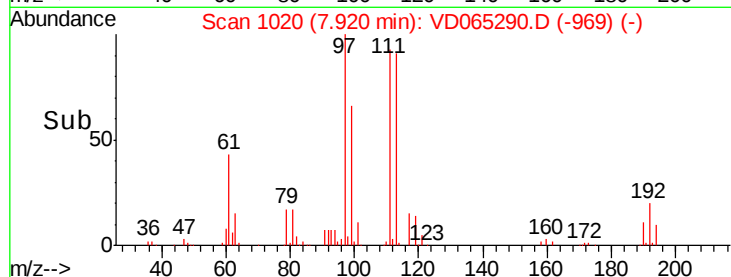
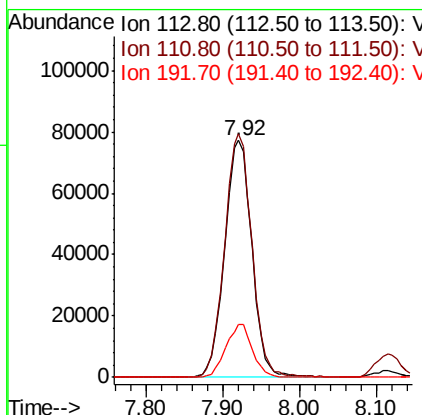
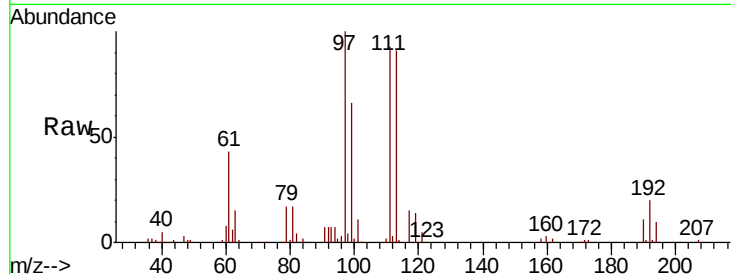




#35
 Dibromofluoromethane
 Concen: 52.792 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

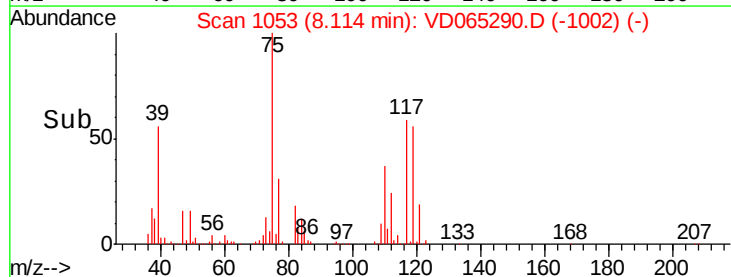
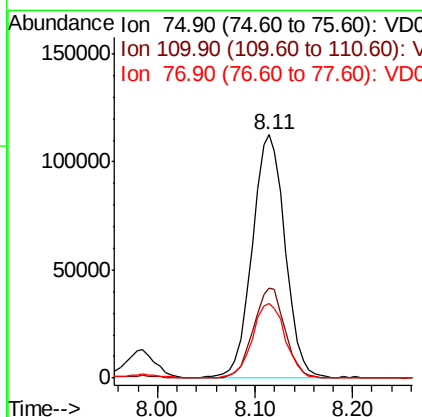
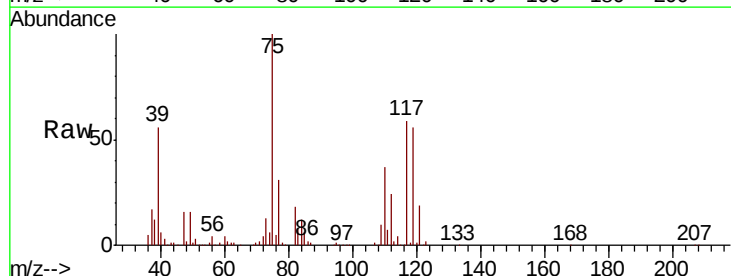
Instrument :
 MSVOA_D
 ClientSampled :

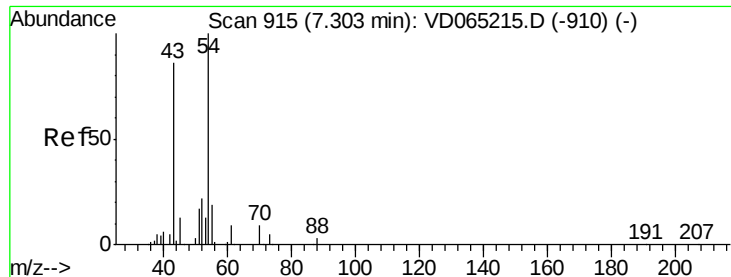
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	21.6	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 46.097 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.7
77	31.2	25.1	37.7





#37

Ethyl Acetate

Concen: 34.252 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

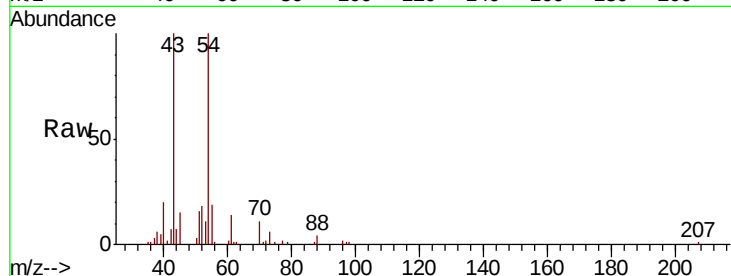
Tot Ion: 43 Resp: 82313

Ion Ratio Lower Upper

43 100

61 13.6 11.2 16.8

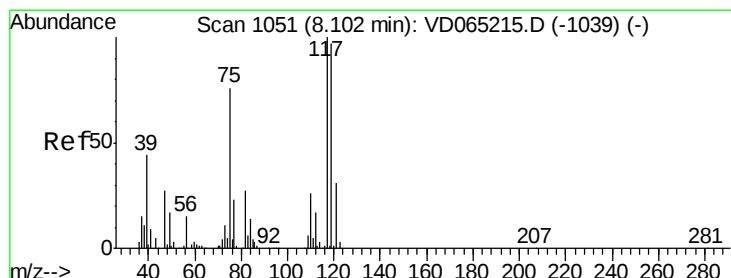
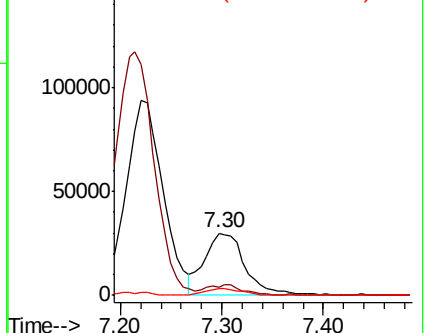
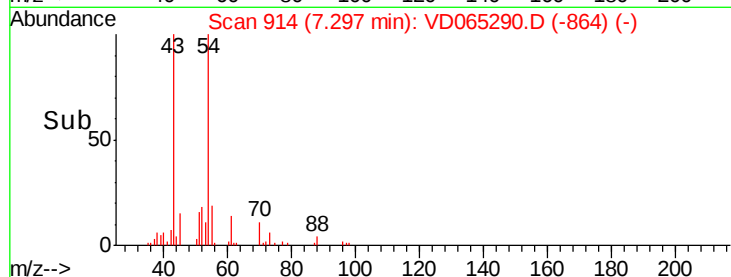
70 9.7 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 47.821 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

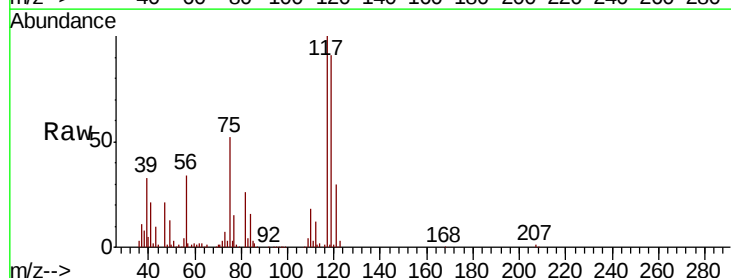
Tgt Ion: 117 Resp: 279847

Ion Ratio Lower Upper

117 100

119 90.8 77.6 116.4

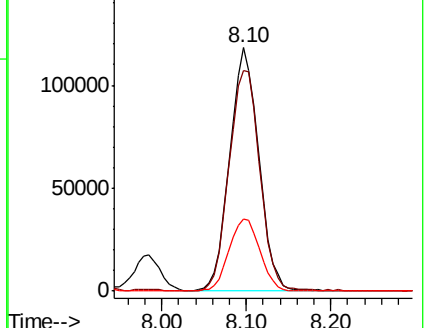
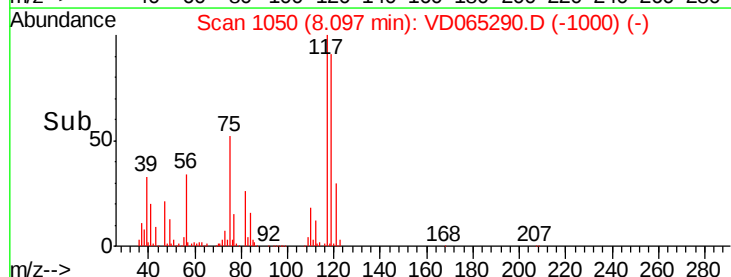
121 29.7 24.8 37.2

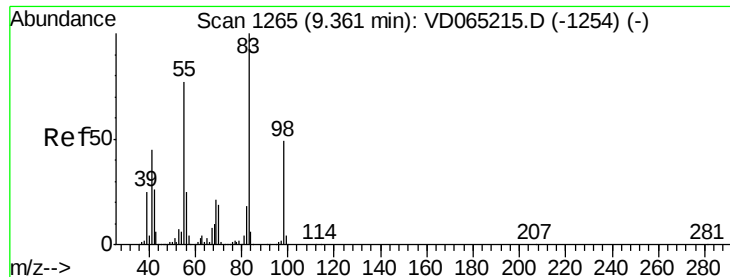


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

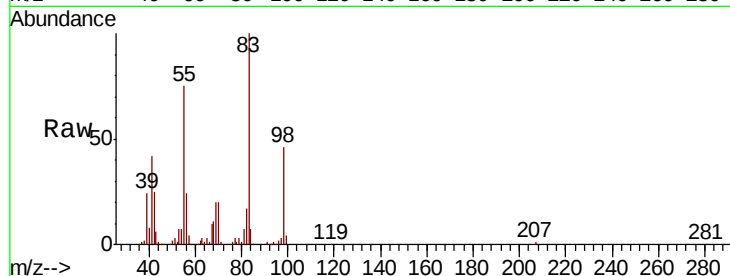




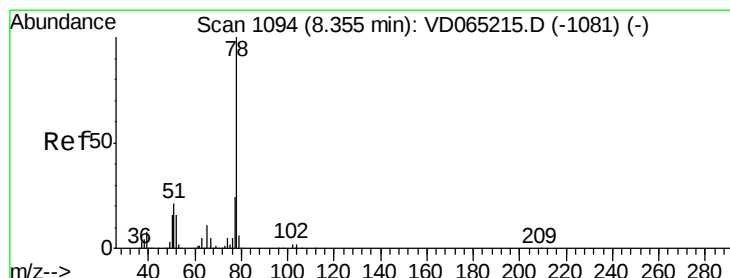
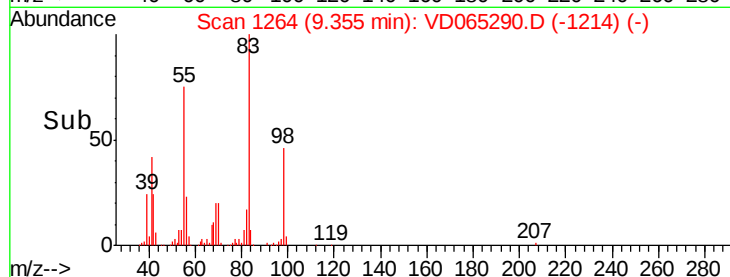
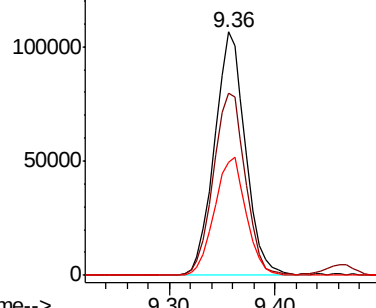
#39
Methvlcvclohexane
Concen: 32.025 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 216432
Ion Ratio Lower Upper
83 100
55 74.8 61.8 92.6
98 46.4 39.4 59.0

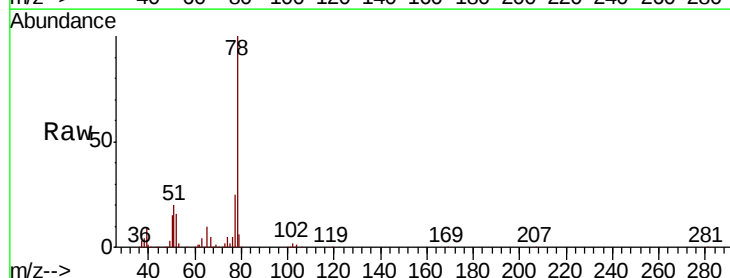


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

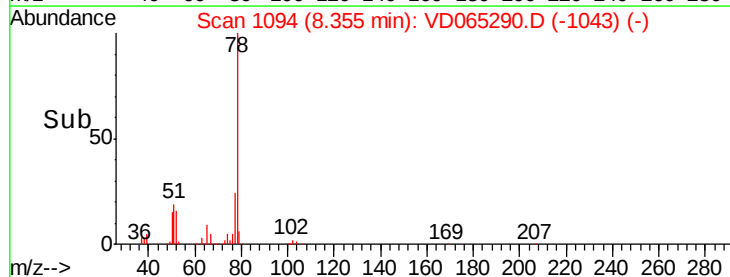
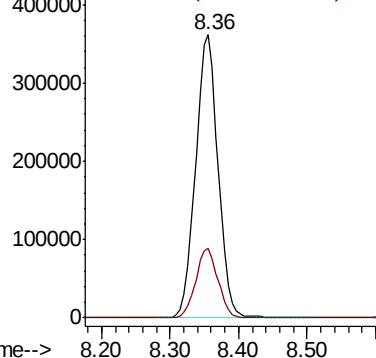


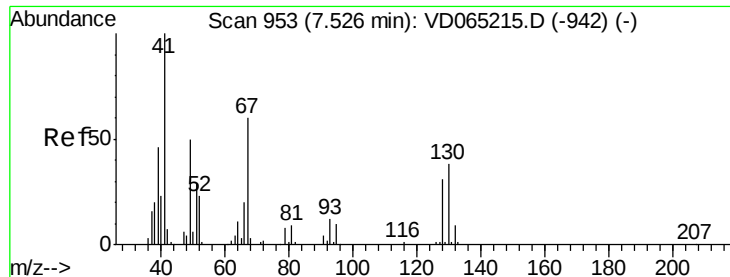
#40
Benzene
Concen: 50.440 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 78 Resp: 818429
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

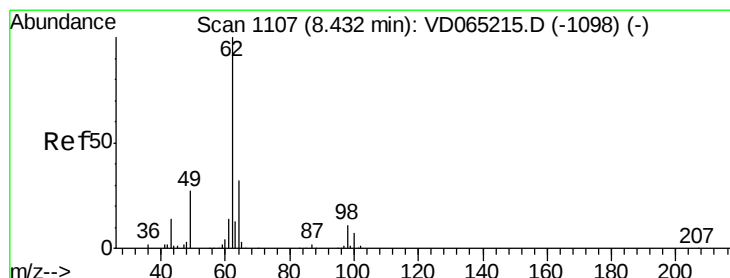
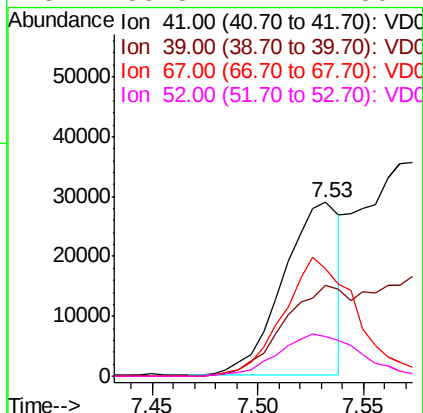
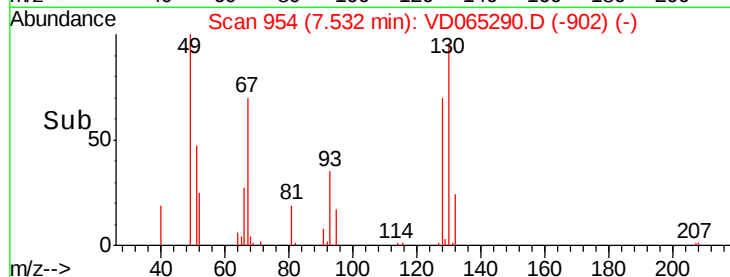
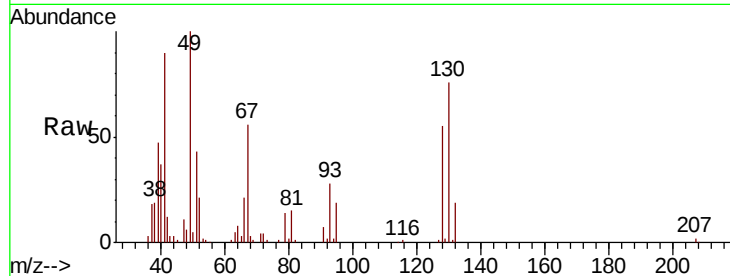




#41
Methacrylonitrile
Concen: 38.950 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

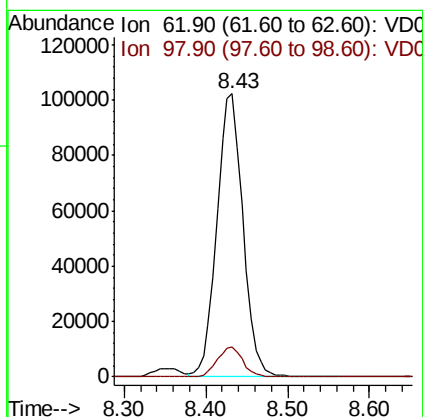
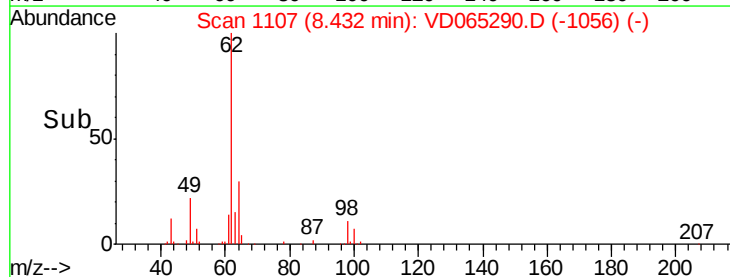
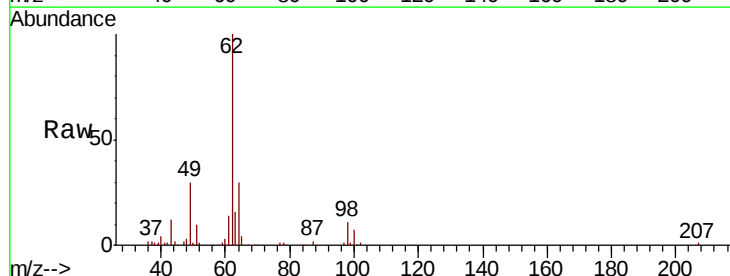
Instrument :
MSVOA_D
ClientSampleId :

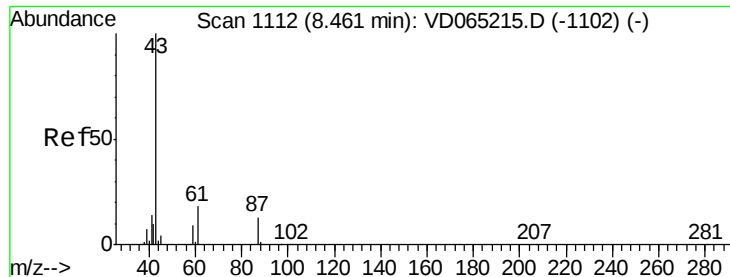
Tot Ion: 41 Resp: 54046
Ion Ratio Lower Upper
41 100
39 60.9 48.1 72.1
67 88.6 58.9 88.3#
52 35.8 24.2 36.2



#42
1,2-Dichloroethane
Concen: 50.987 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 62 Resp: 227439
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.6





#43

Isopropyl Acetate

Concen: 39.485 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

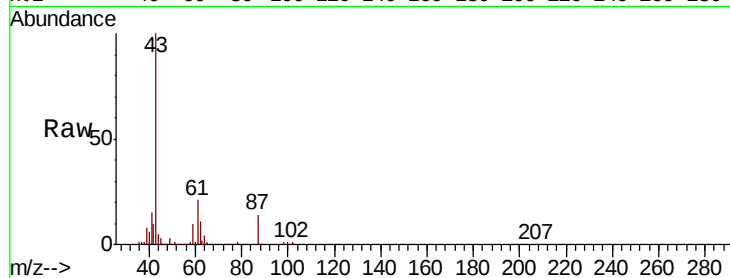
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 172550

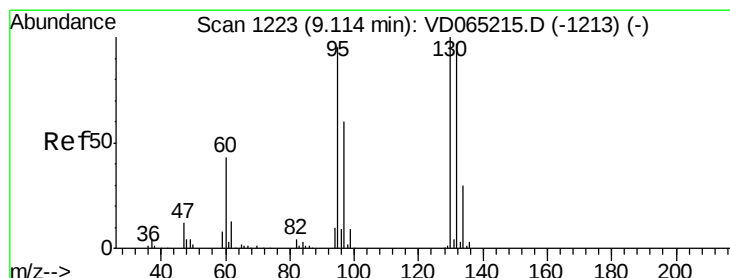
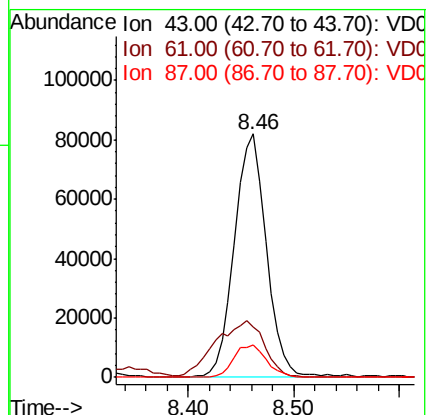
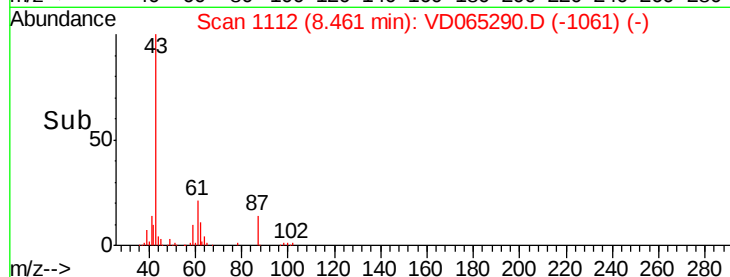
Ion	Ratio	Lower	Upper
43	100		
61	34.6	24.6	36.8
87	13.7	10.6	16.0



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: 46.582 ug/l

RT: 9.11 min Scan# 1223

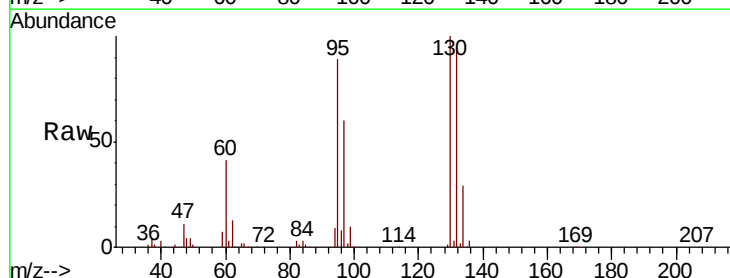
Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

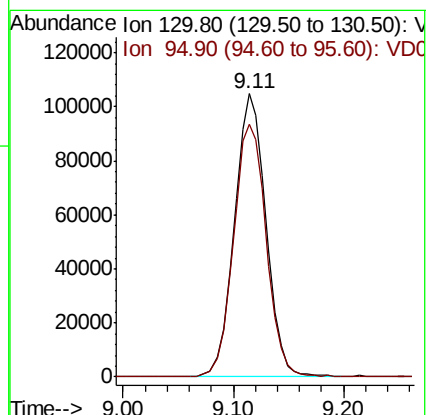
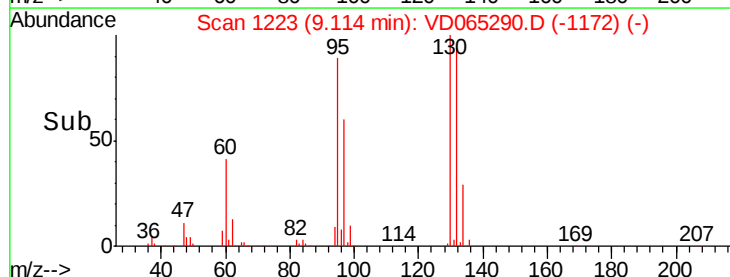
Tgt Ion: 130 Resp: 209511

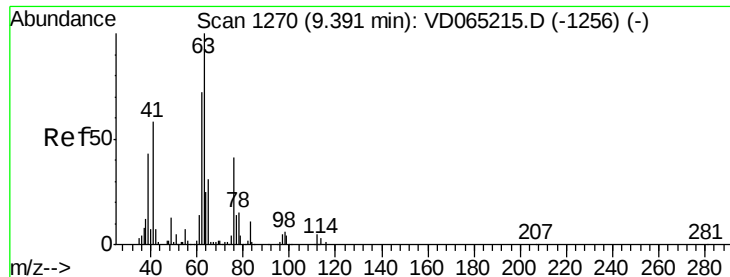
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.141 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

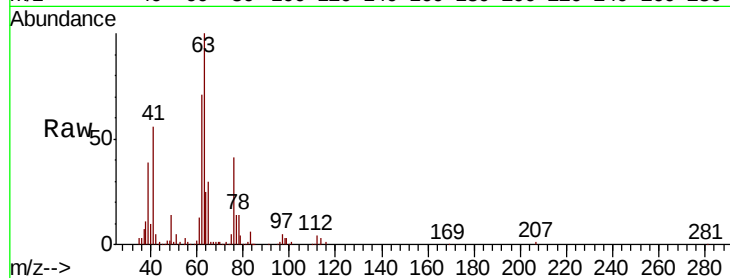
ClientSampleId :

Tot Ion: 63 Resp: 210371

Ion Ratio Lower Upper

63 100

65 30.1 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

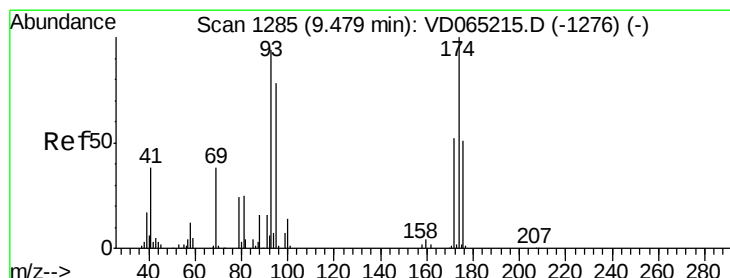
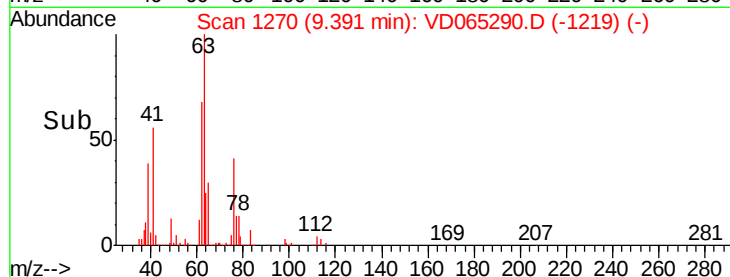
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 50.088 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

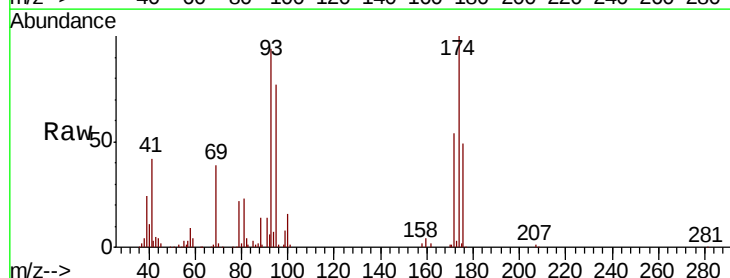
Tgt Ion: 93 Resp: 103979

Ion Ratio Lower Upper

93 100

95 81.8 65.8 98.6

174 111.4 86.8 130.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

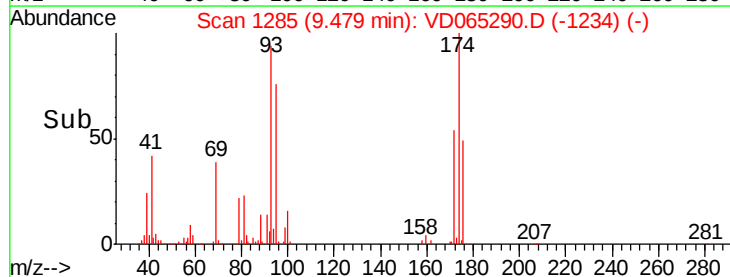
40000

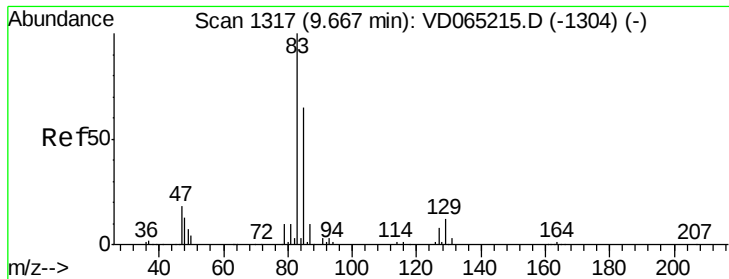
20000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 49.242 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

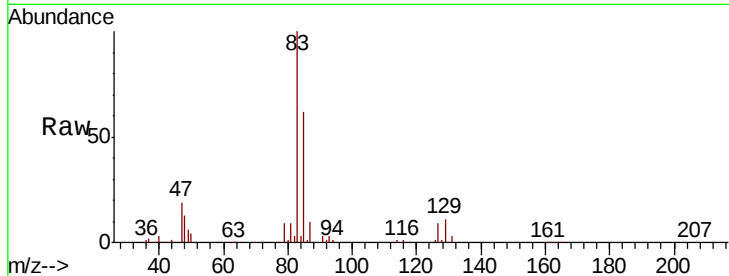
Tot Ion: 83 Resp: 269391

Ion Ratio Lower Upper

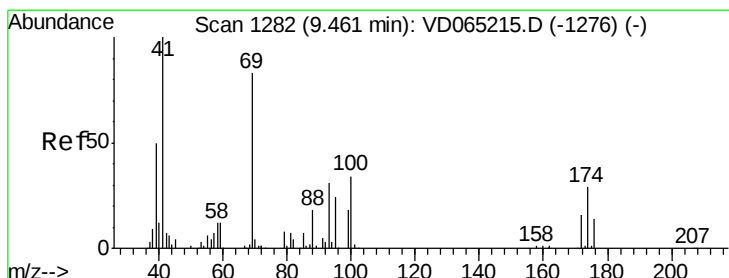
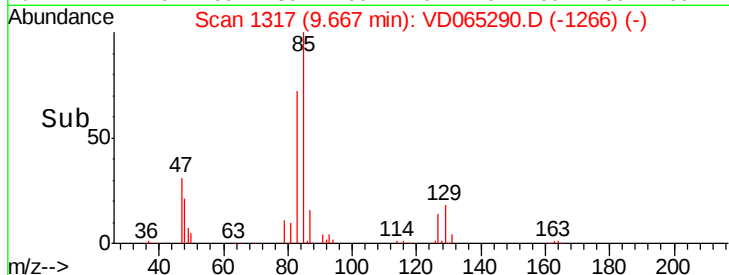
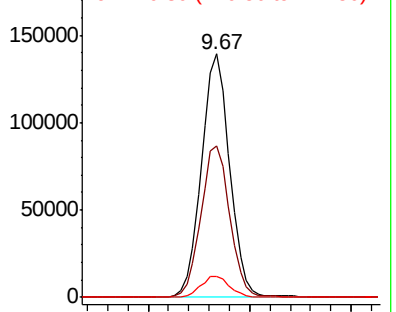
83 100

85 62.1 52.0 78.0

127 8.5 6.7 10.1



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



#48

Methyl methacrylate

Concen: 65.999 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

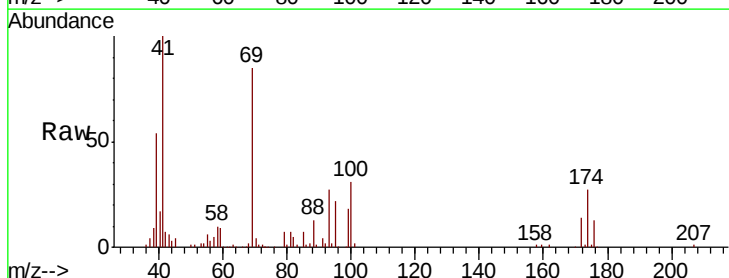
Tgt Ion: 41 Resp: 133316

Ion Ratio Lower Upper

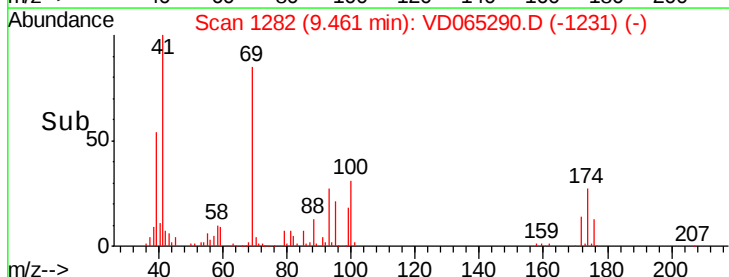
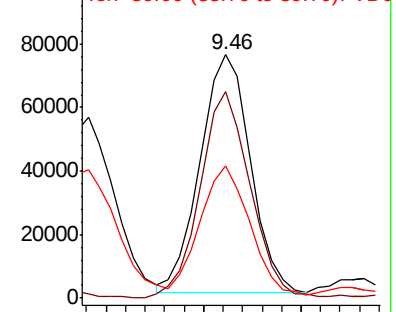
41 100

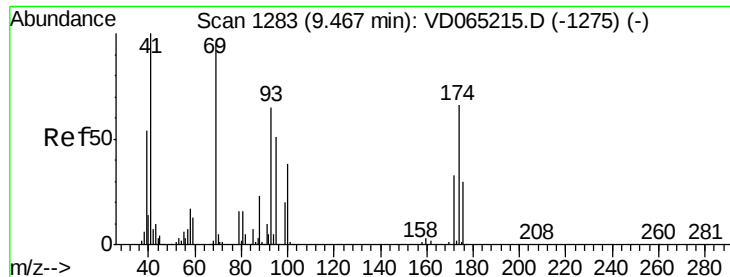
69 86.3 68.2 102.2

39 56.1 42.0 63.0



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

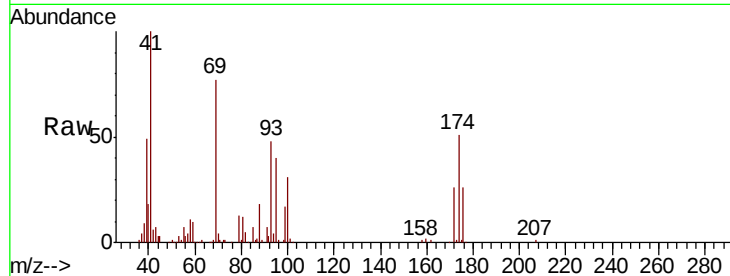




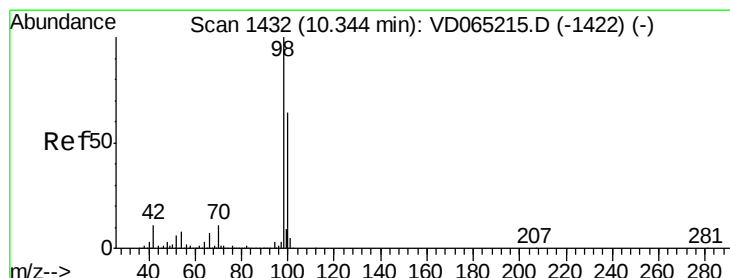
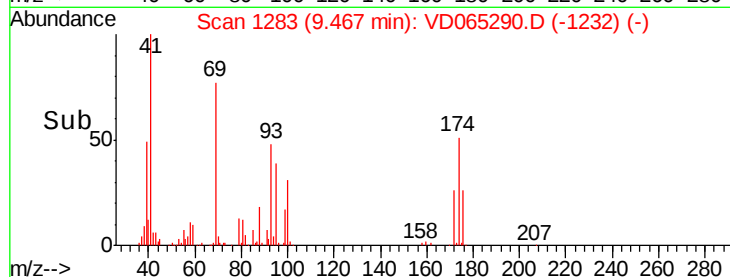
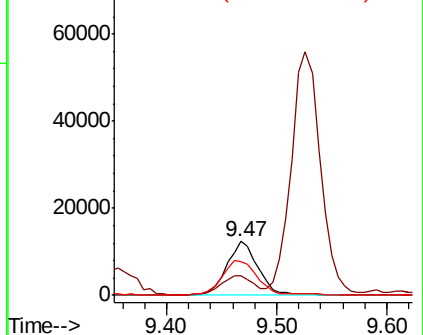
#49
1,4-Dioxane
Concen: 1007.829 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 24538
Ion Ratio Lower Upper
88 100
43 40.2 28.5 42.7
58 72.7 58.6 87.8

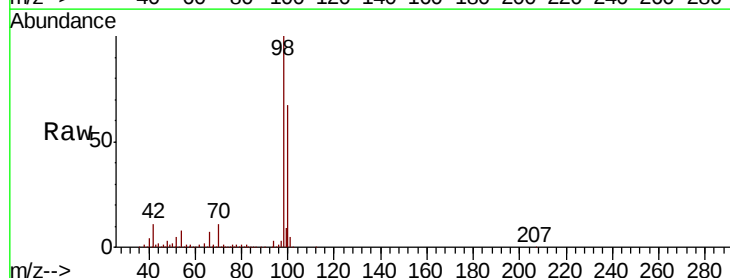


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

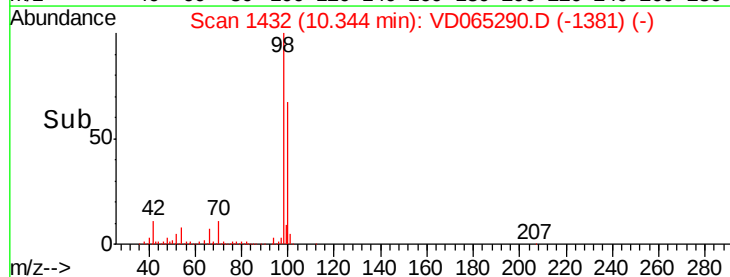
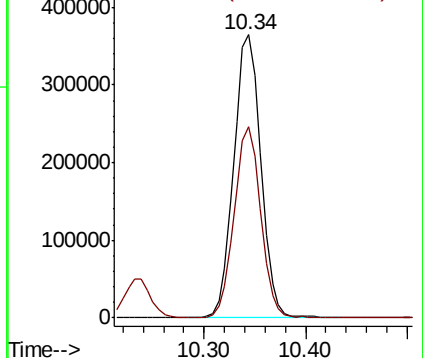


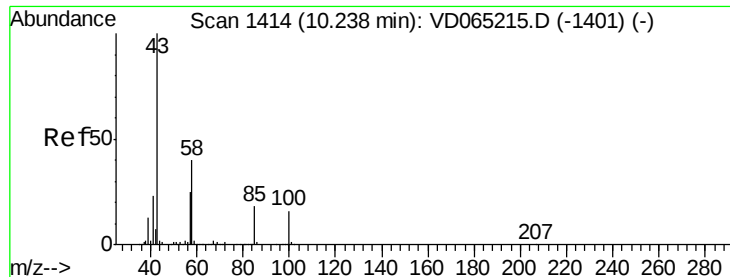
#50
Toluene-d8
Concen: 49.264 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 98 Resp: 678432
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

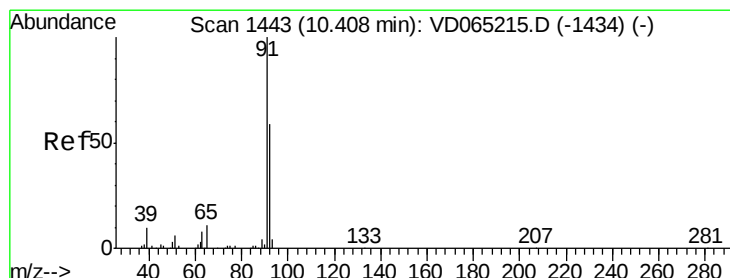
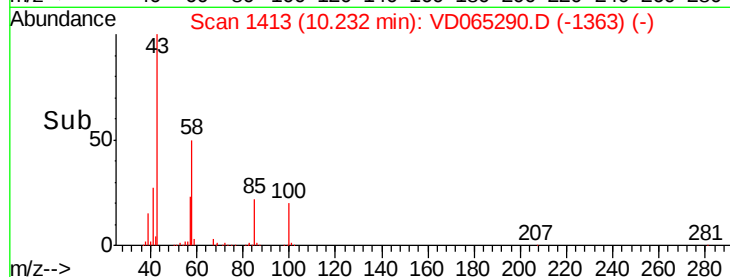
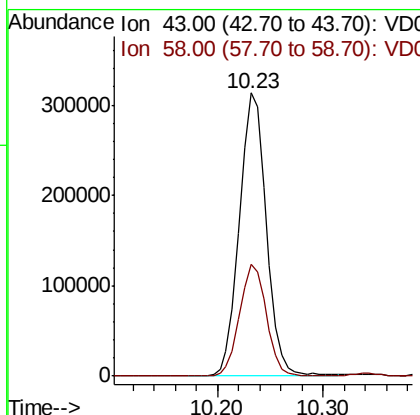
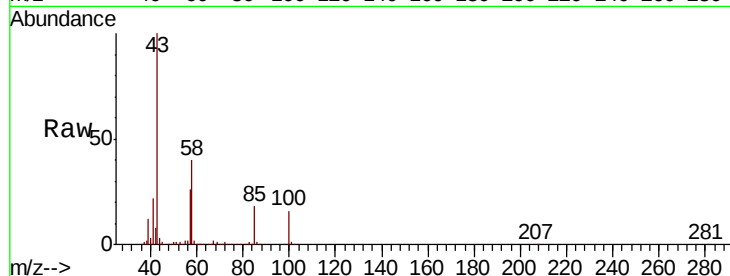




#51
4-Methyl-2-Pentanone
Concen: 249.862 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

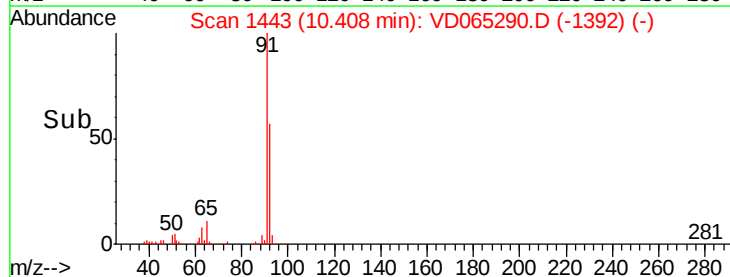
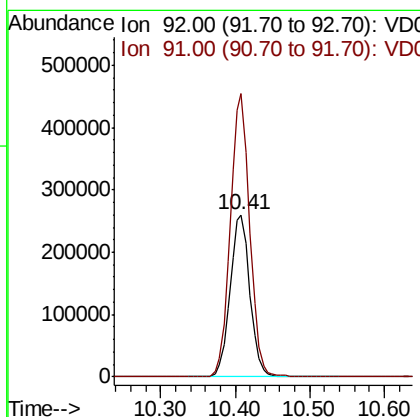
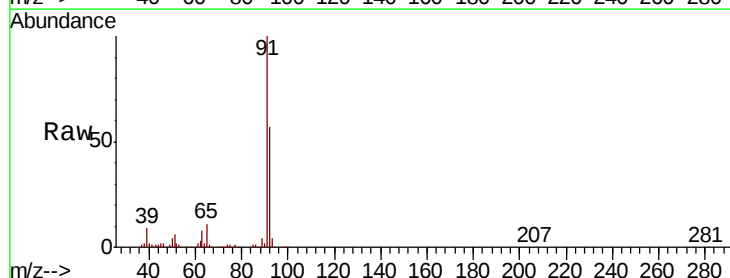
Instrument :
MSVOA_D
ClientSampleId :

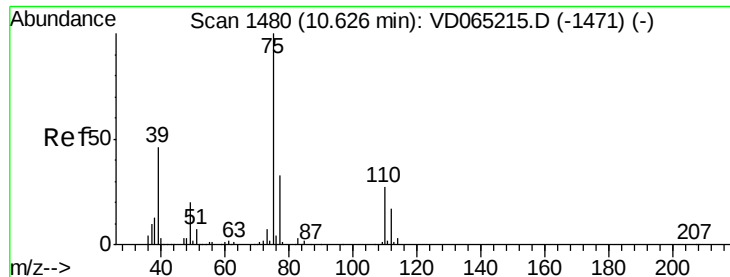
Tot Ion: 43 Resp: 554595
Ion Ratio Lower Upper
43 100
58 39.4 31.1 46.7



#52
Toluene
Concen: 47.779 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 92 Resp: 479866
Ion Ratio Lower Upper
92 100
91 171.3 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 48.592 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

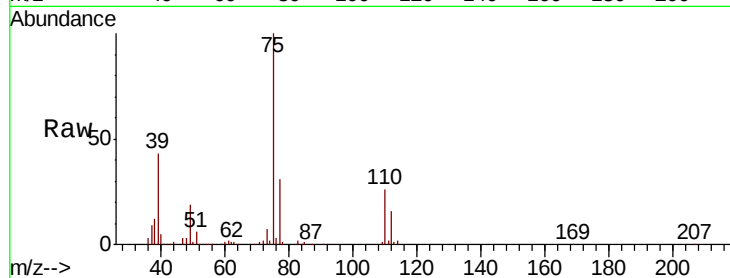
ClientSampleId :

Tot Ion: 75 Resp: 246407

Ion Ratio Lower Upper

75 100

77 30.9 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

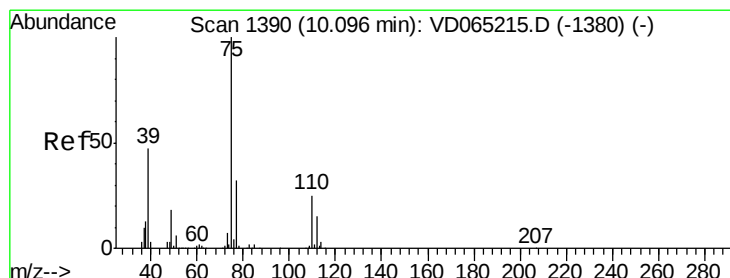
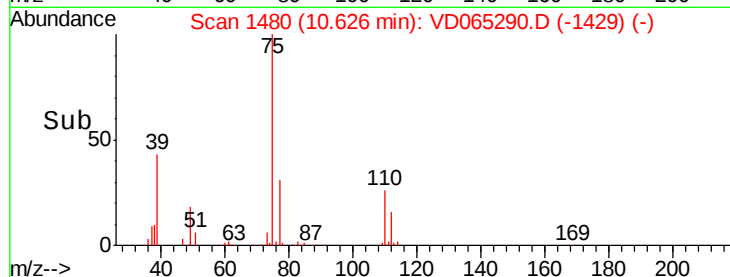
150000

100000

50000

0

Time--> 10.50 10.60 10.70 10.80



#54

cis-1,3-Dichloropropene

Concen: 50.361 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

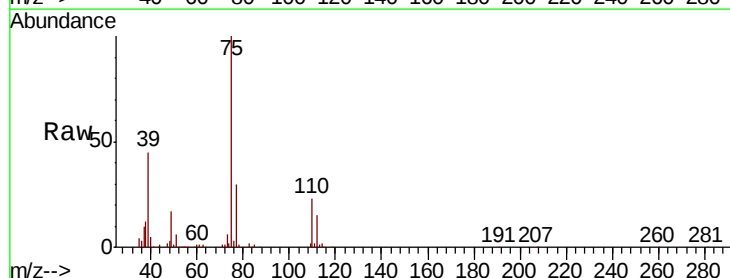
Tgt Ion: 75 Resp: 308381

Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.8

39 44.7 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

200000

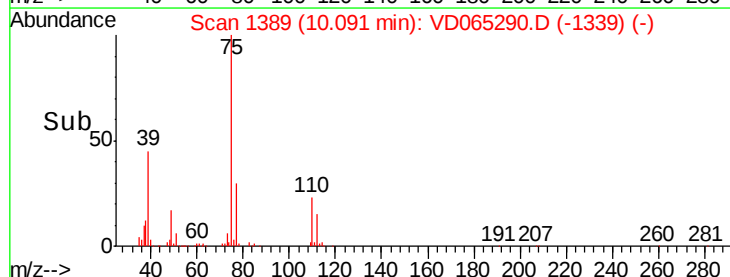
150000

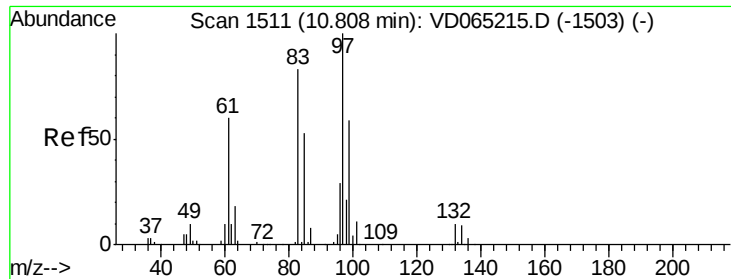
100000

50000

0

Time--> 10.00 10.10 10.20

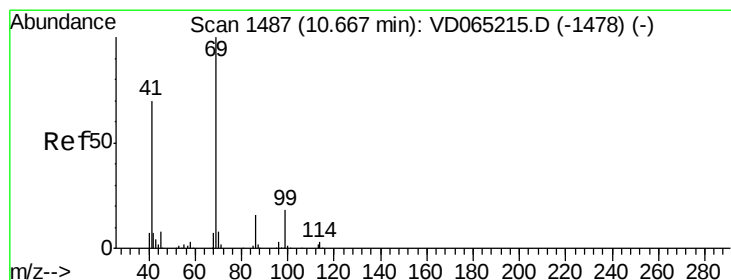
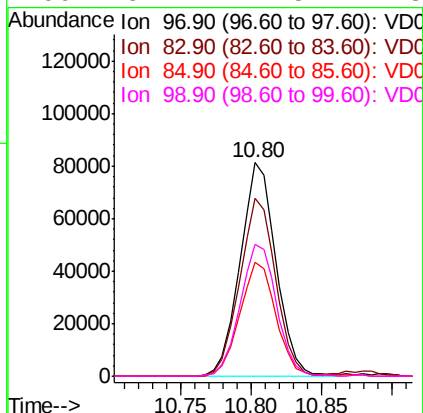
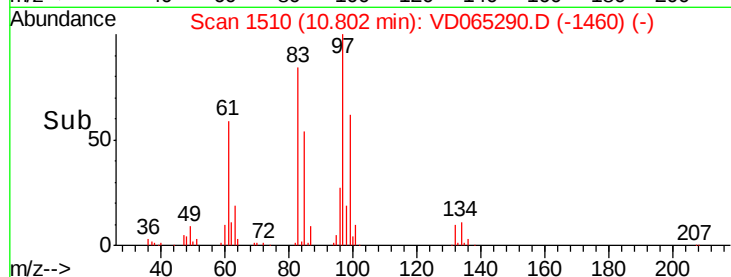
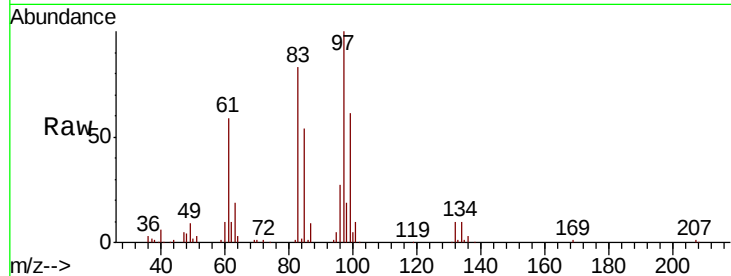




#55
 1,1,2-Trichloroethane
 Concen: 49.586 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

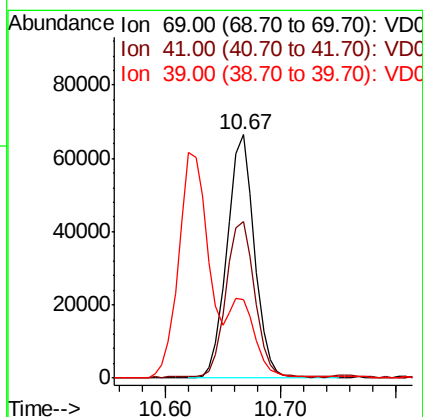
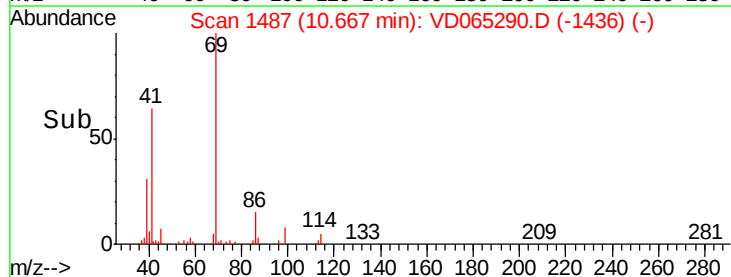
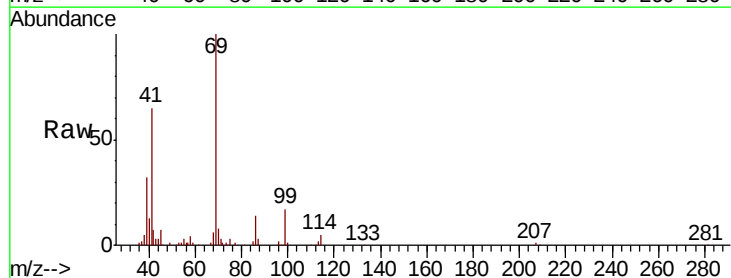
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	144882
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.7	100.1
85	53.5	42.4	63.6
99	61.4	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 32.574 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion:	69	Resp:	109855
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.6	81.8
39	30.9	26.5	39.7





#57

1,3-Dichloropropane

Concen: 49.374 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

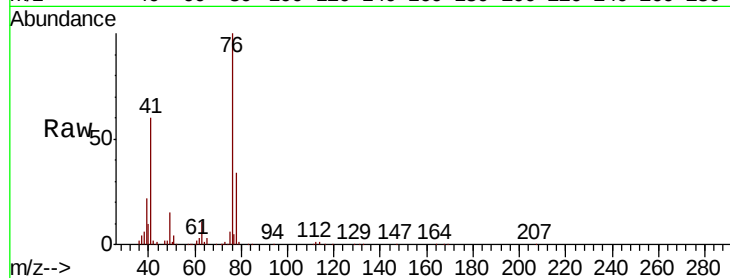
ClientSampleId :

Tot Ion: 76 Resp: 245535

Ion Ratio Lower Upper

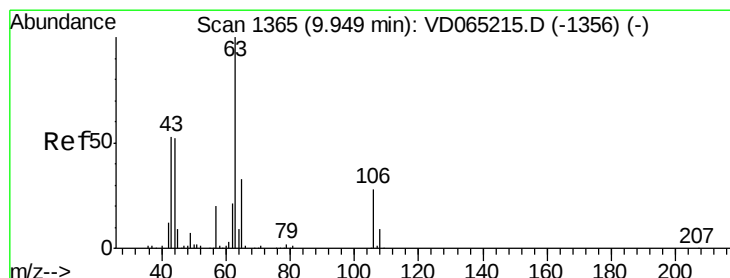
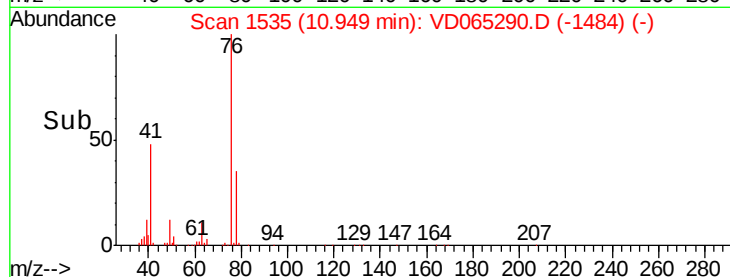
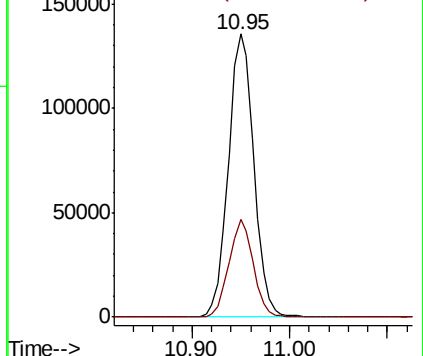
76 100

78 33.0 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: 216.044 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065290.D

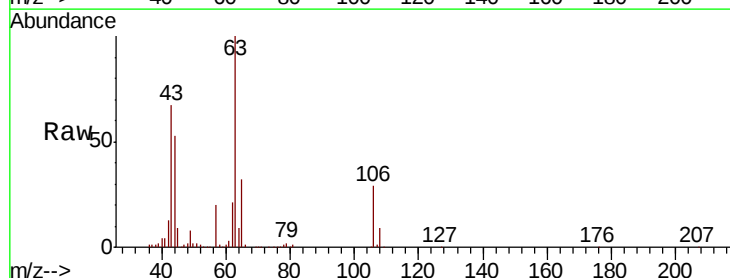
Acq: 24 Feb 2020 13:05

Tgt Ion: 63 Resp: 229708

Ion Ratio Lower Upper

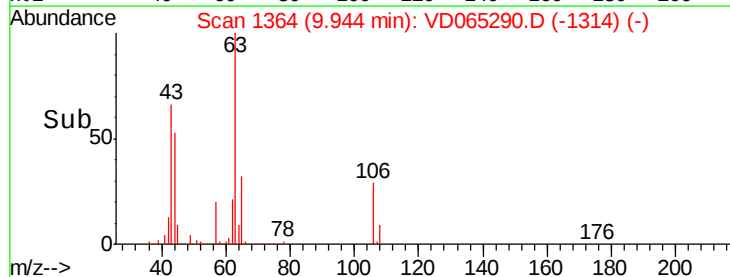
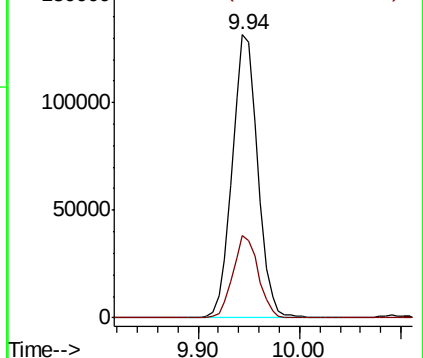
63 100

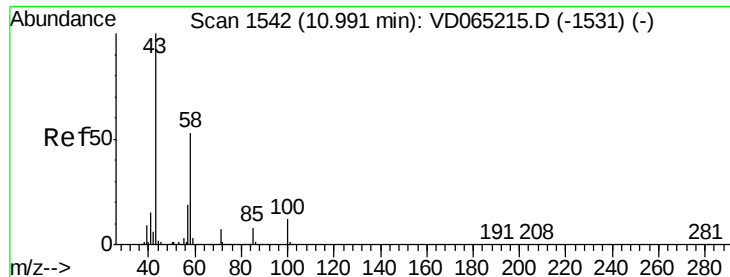
106 29.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

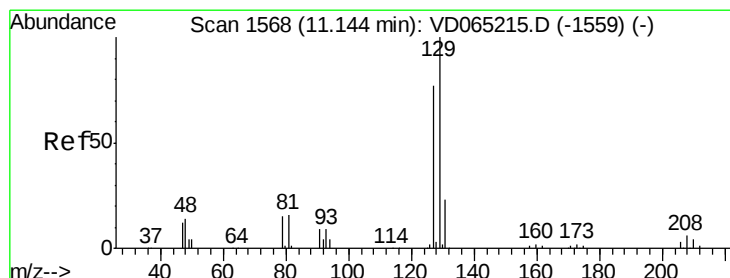
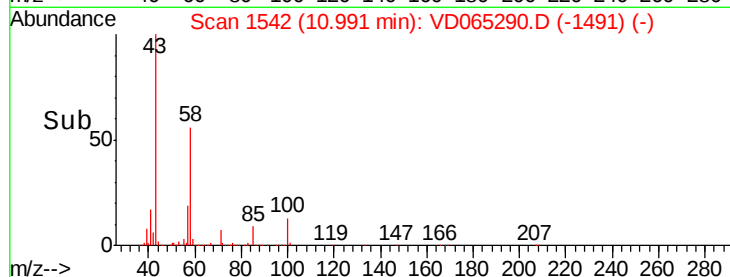
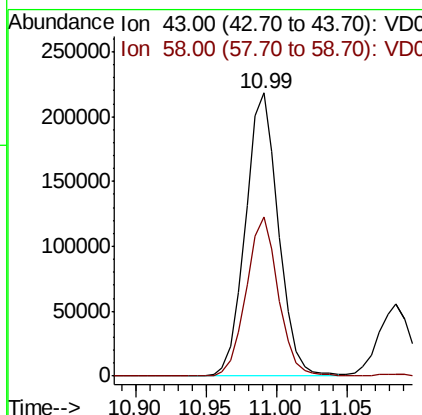
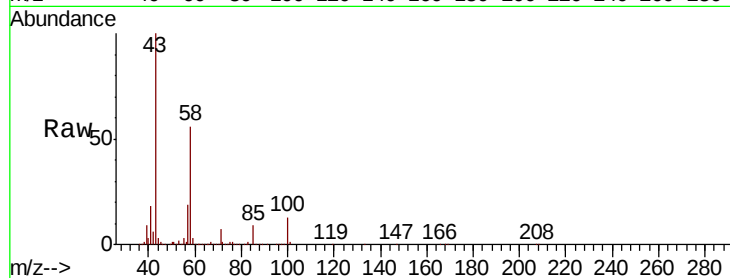




#59
2-Hexanone
Concen: 225.020 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

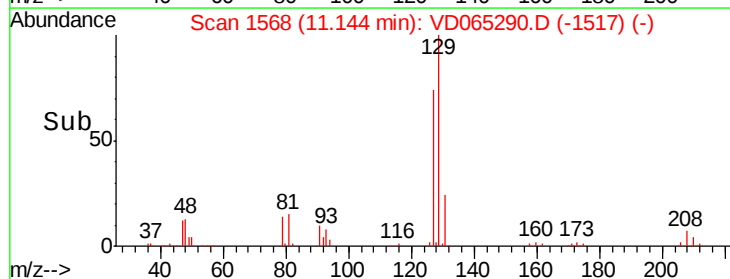
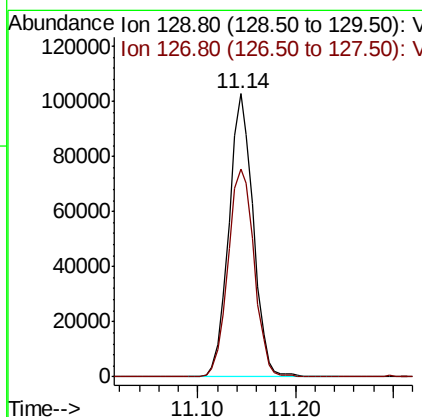
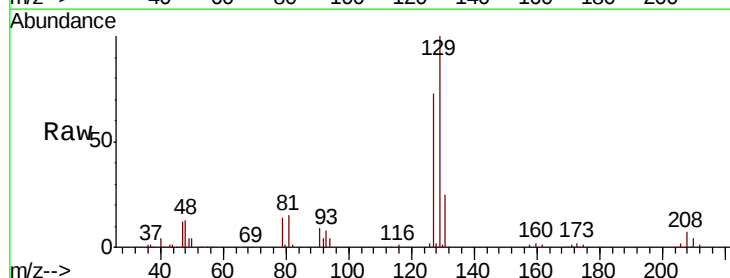
Instrument :
MSVOA_D
ClientSampleId :

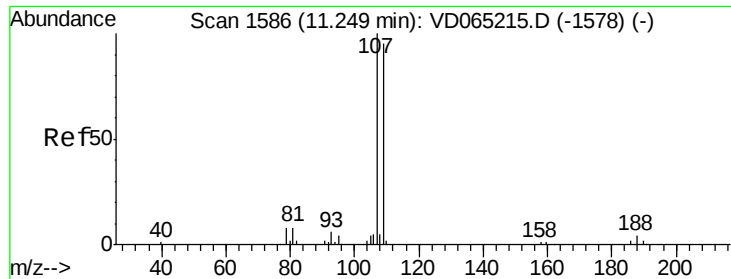
Tot Ion: 43 Resp: 357531
Ion Ratio Lower Upper
43 100
58 54.9 26.3 78.8



#60
Dibromochloromethane
Concen: 47.491 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion:129 Resp: 177606
Ion Ratio Lower Upper
129 100
127 78.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 48.289 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

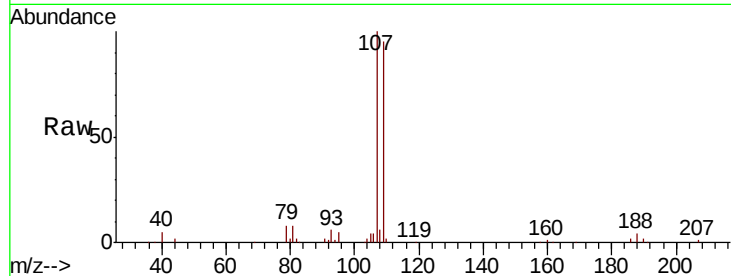
ClientSampleId :

Tot Ion:107 Resp: 133589

Ion Ratio Lower Upper

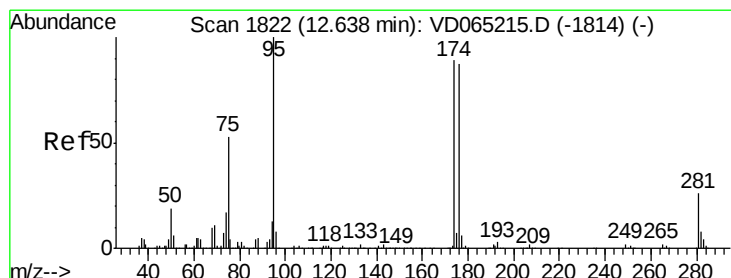
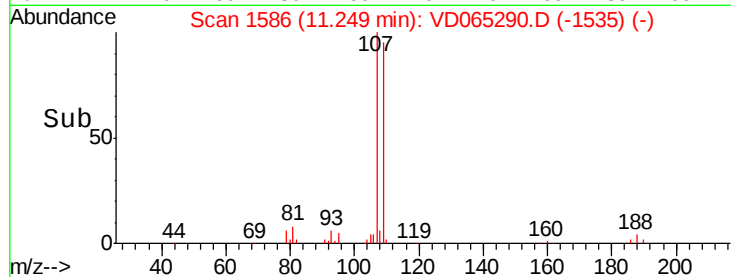
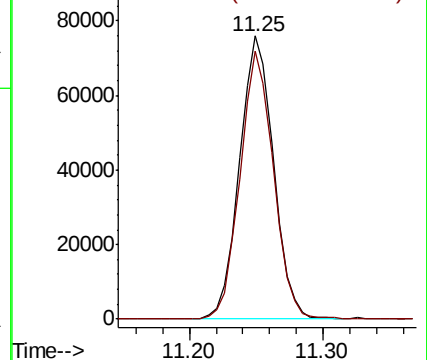
107 100

109 93.1 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 35.377 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

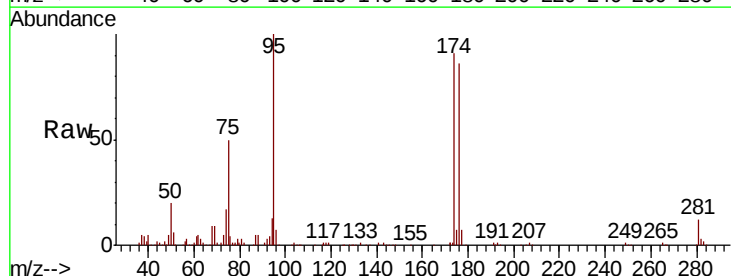
Tgt Ion: 95 Resp: 154337

Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.0

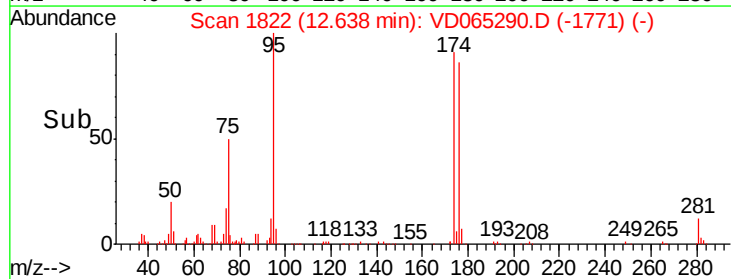
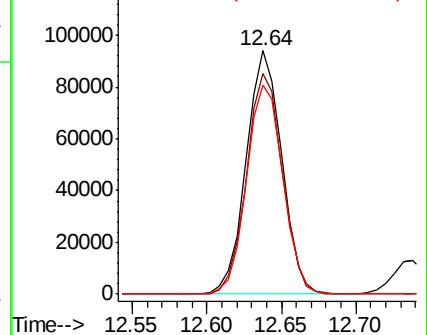
176 87.9 0.0 174.4

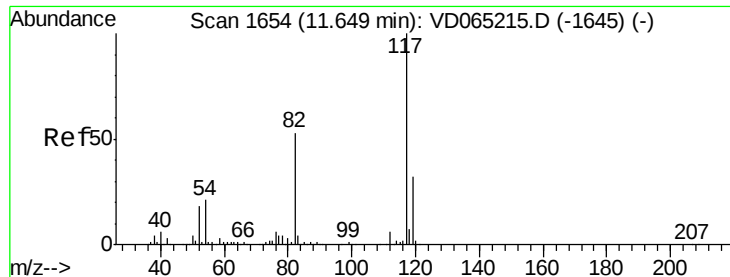


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

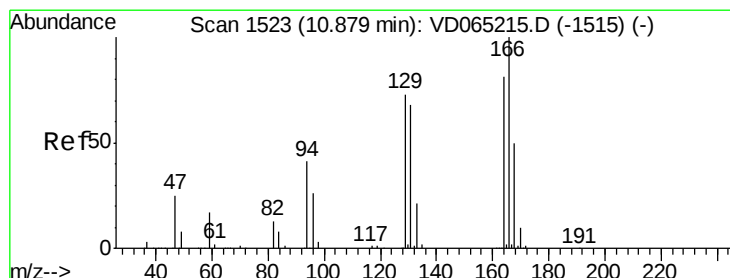
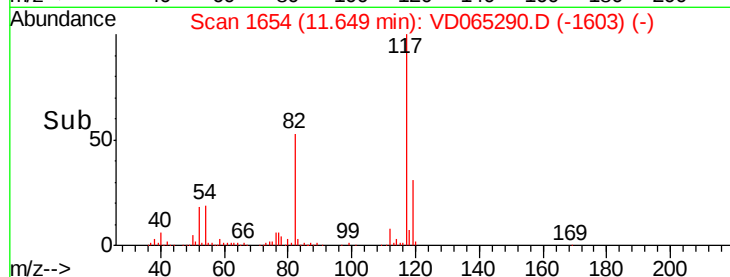
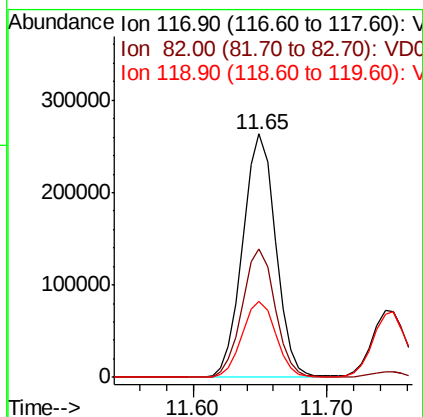
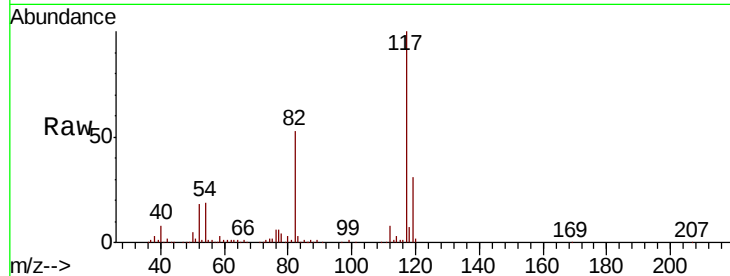




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

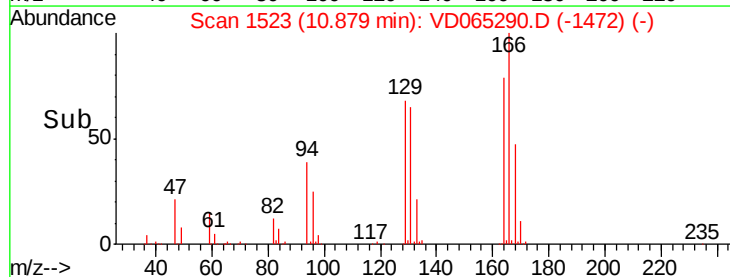
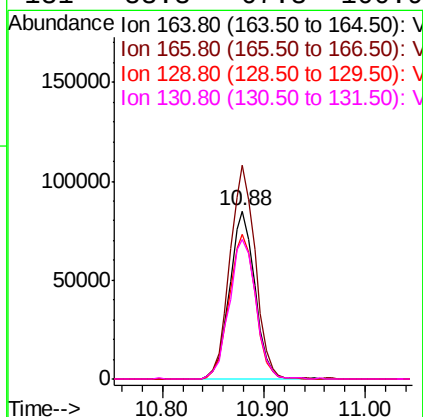
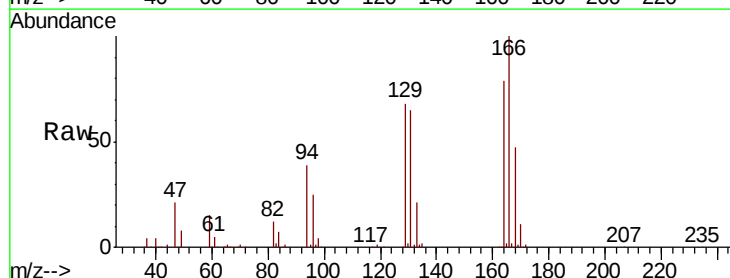
Instrument :
MSVOA_D
ClientSampleId :

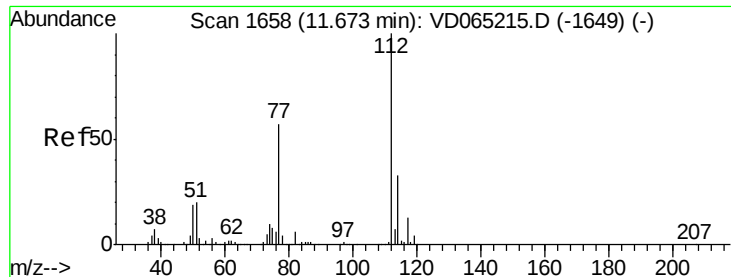
Tot Ion:117 Resp: 451343
Ion Ratio Lower Upper
117 100
82 53.0 42.7 64.1
119 31.2 25.5 38.3



#64
Tetrachloroethene
Concen: 45.764 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion:164 Resp: 146493
Ion Ratio Lower Upper
164 100
166 127.1 98.4 147.6
129 86.0 71.6 107.4
131 83.3 67.3 100.9

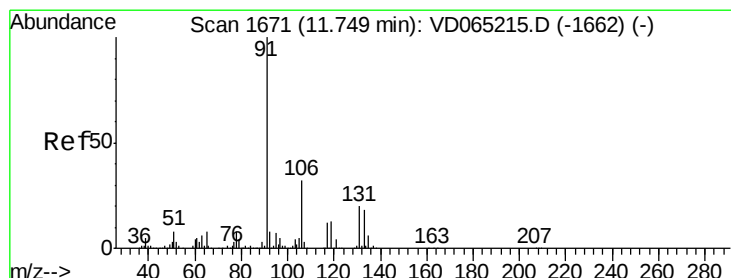
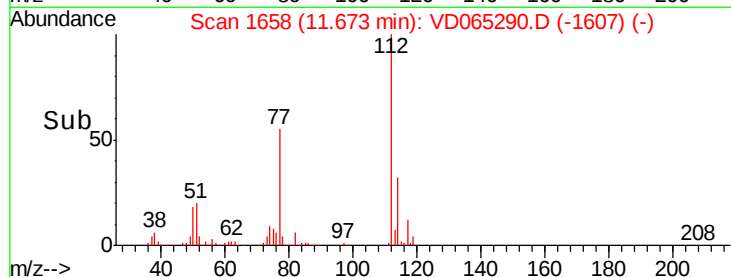
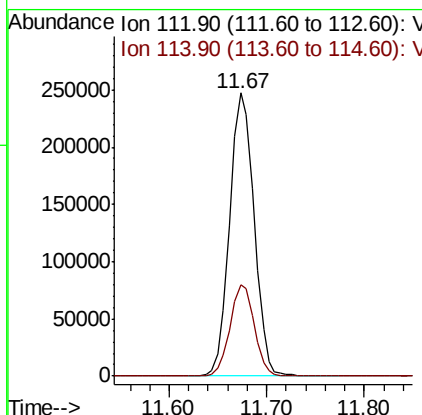
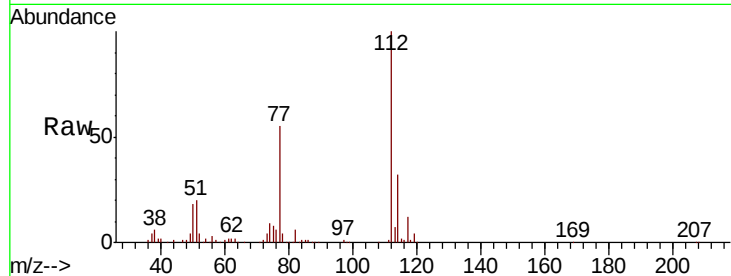




#65
Chlorobenzene
Concen: 47.622 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

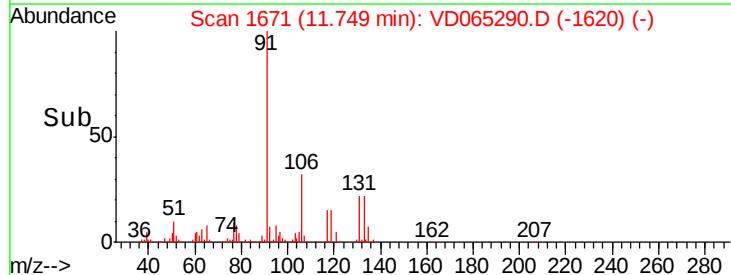
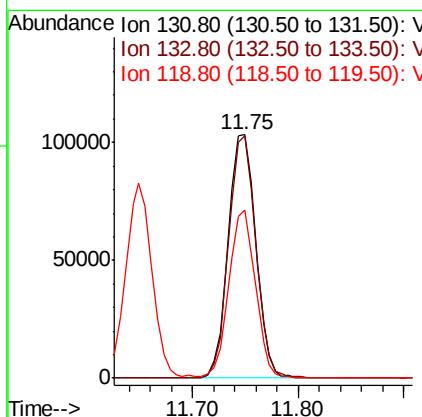
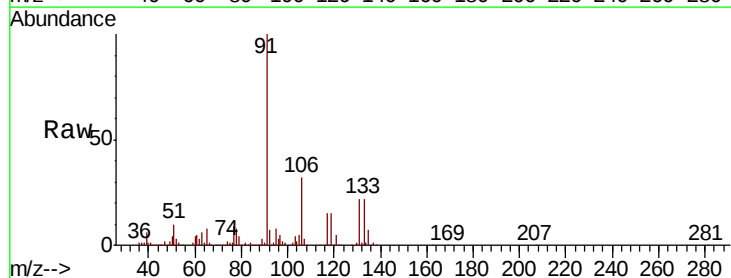
Instrument :
MSVOA_D
ClientSampled :

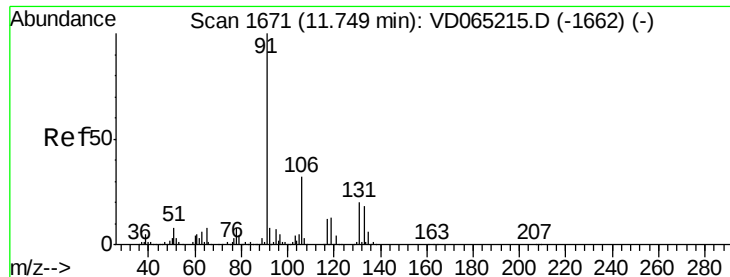
Tot Ion:112 Resp: 431327
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.271 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion:131 Resp: 186813
Ion Ratio Lower Upper
131 100
133 97.2 47.7 143.1
119 66.7 32.7 98.1





#67

Ethyl Benzene

Concen: 48.260 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

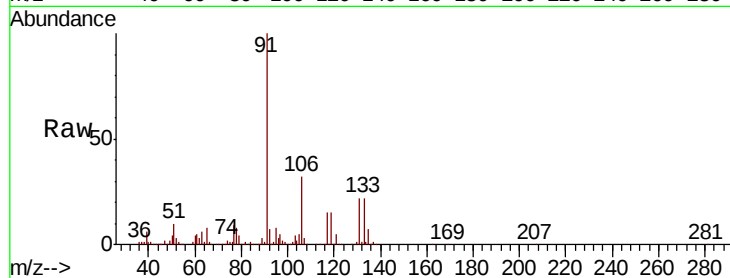
ClientSampleId :

Tot Ion: 91 Resp: 765540

Ion Ratio Lower Upper

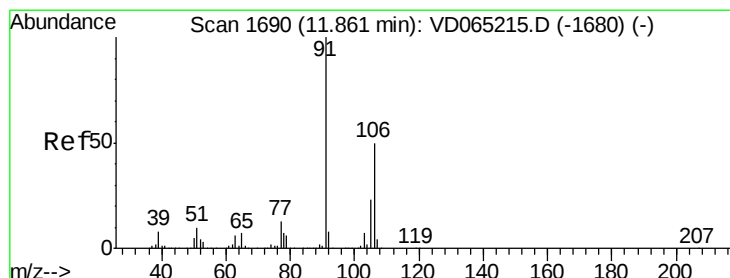
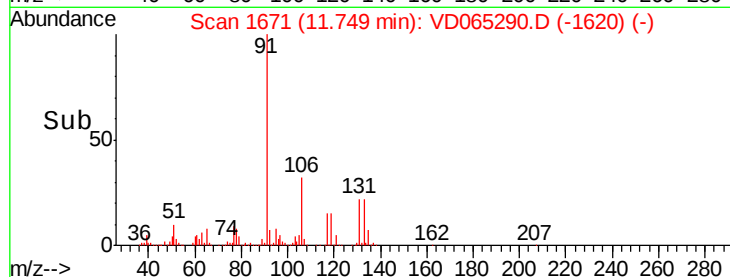
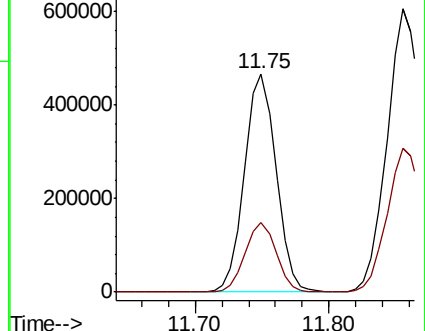
91 100

106 31.8 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 95.896 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065290.D

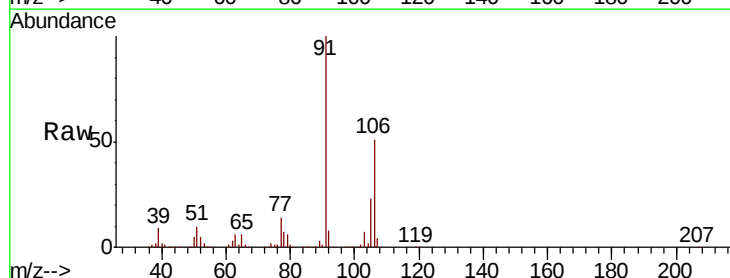
Acq: 24 Feb 2020 13:05

Tgt Ion: 106 Resp: 581994

Ion Ratio Lower Upper

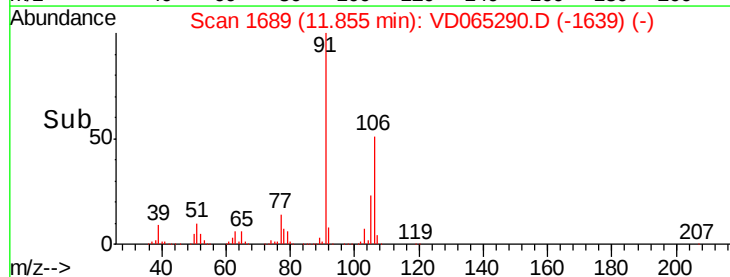
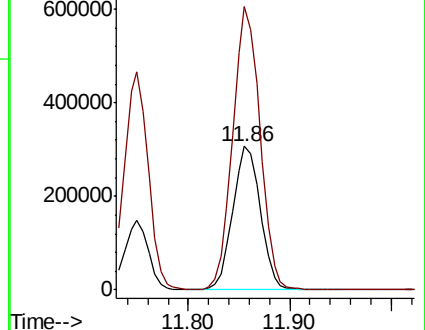
106 100

91 194.8 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

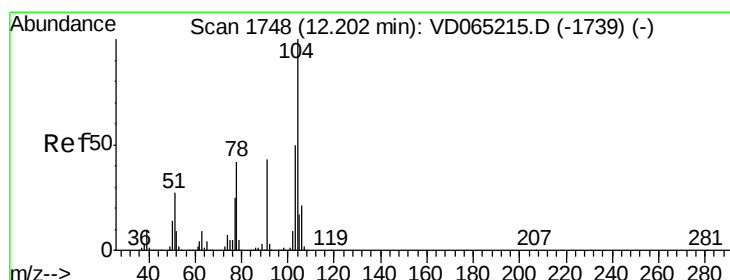
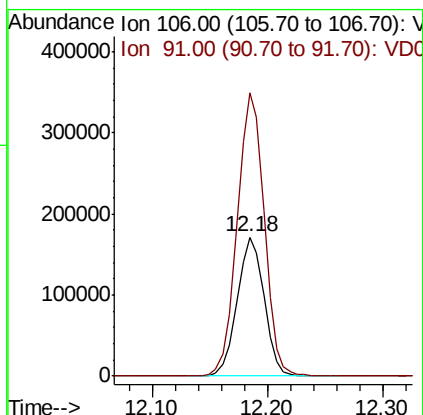
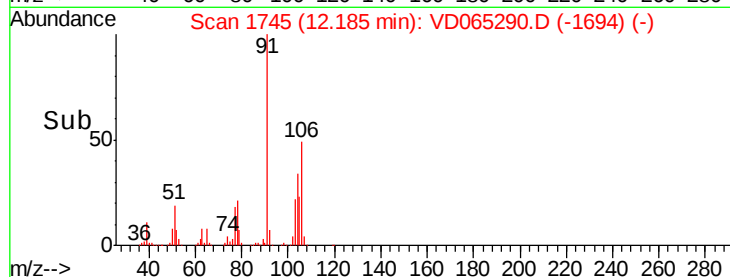
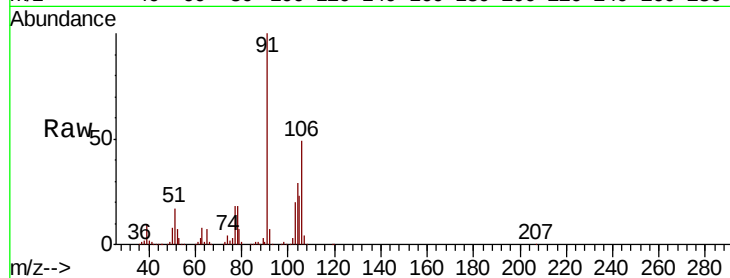




#69
o-Xylene
Concen: 51.464 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

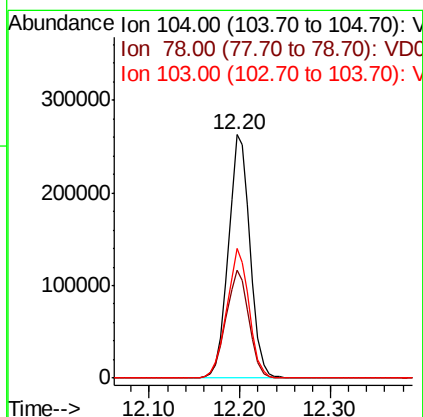
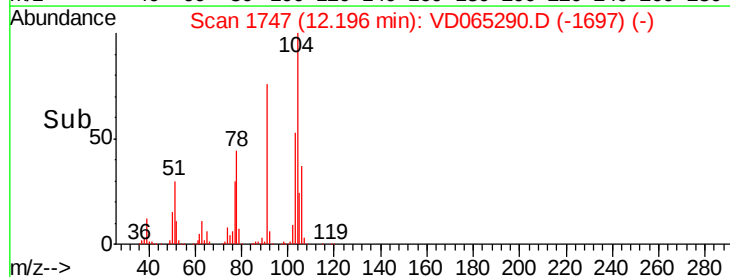
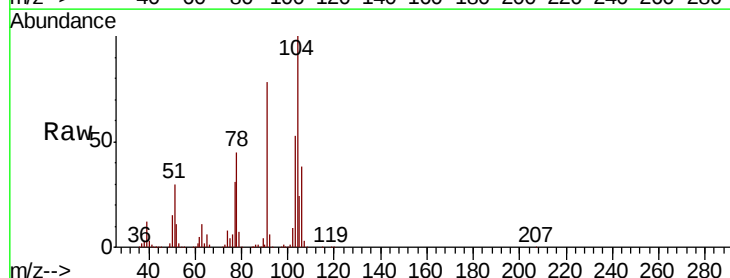
Instrument :
MSVOA_D
ClientSampleId :

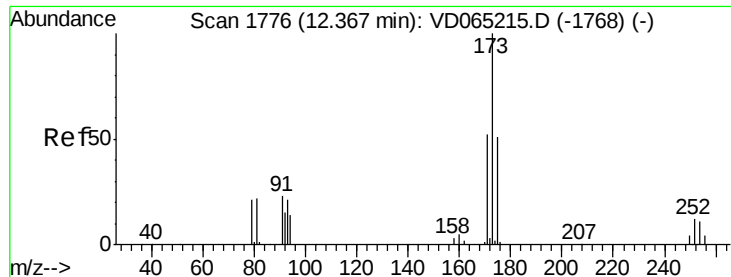
Tot Ion:106 Resp: 276716
Ion Ratio Lower Upper
106 100
91 204.3 104.7 313.9



#70
Styrene
Concen: 45.660 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion:104 Resp: 435890
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 54.9 43.4 65.2

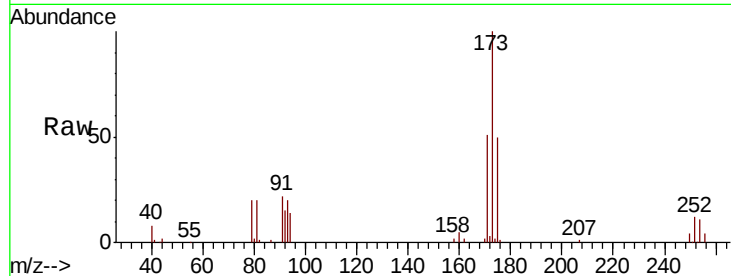




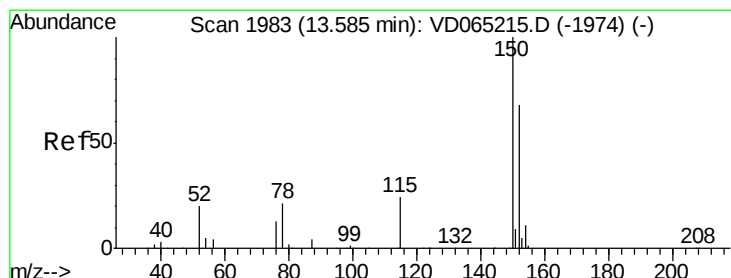
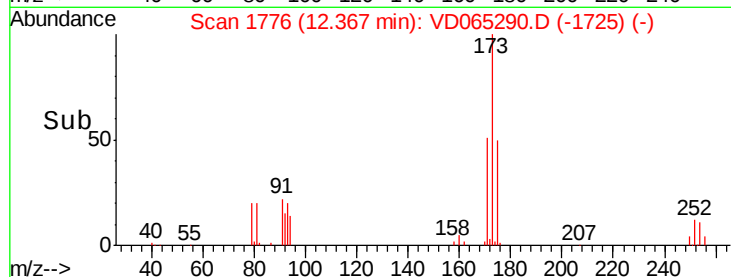
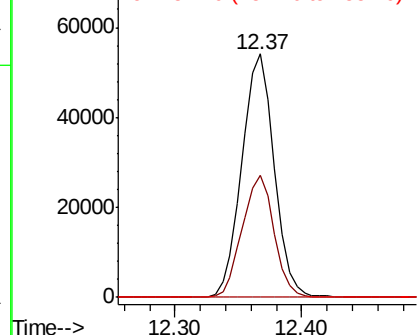
#71
Bromoform
Concen: 51.041 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 95730
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.4
254 0.0 0.0 0.0

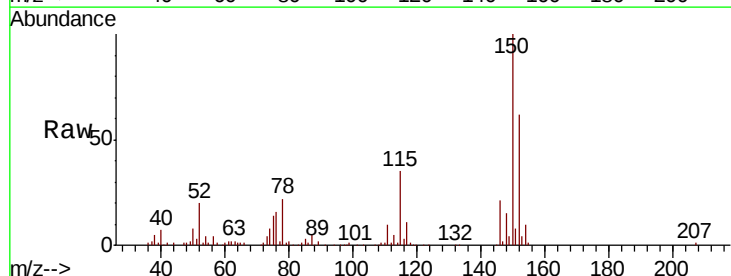


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

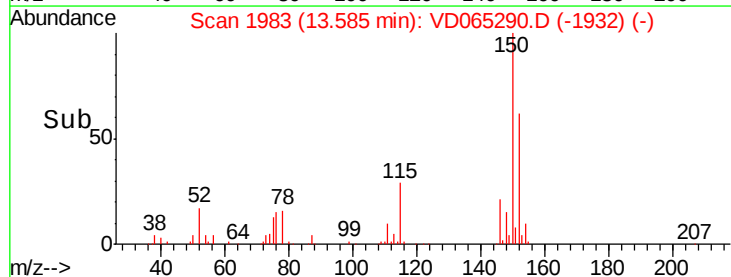
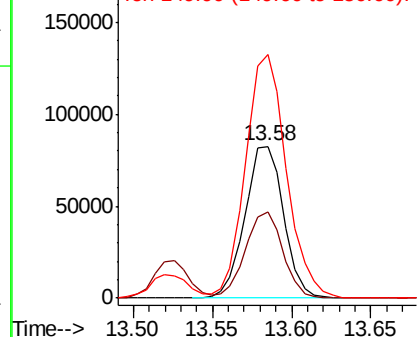


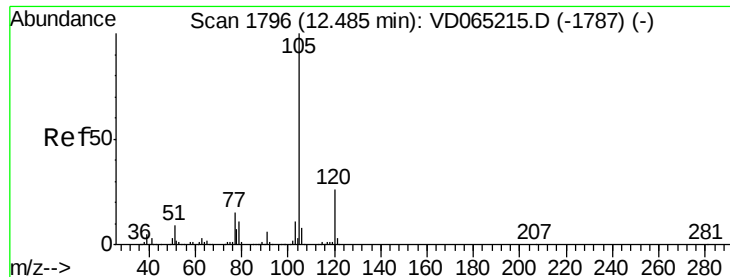
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion:152 Resp: 139269
Ion Ratio Lower Upper
152 100
115 55.5 27.6 82.8
150 170.3 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: 69.409 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

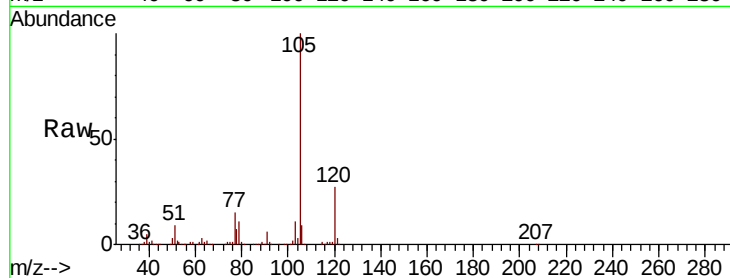
ClientSampleId :

Tot Ion:105 Resp: 639972

Ion Ratio Lower Upper

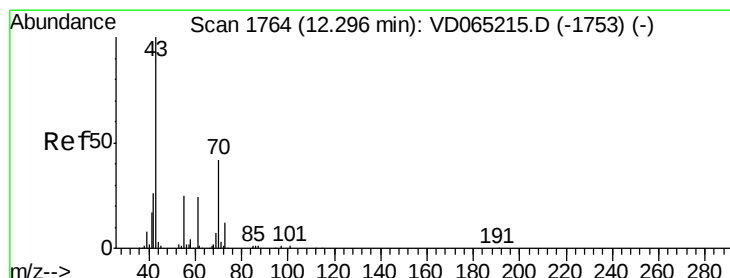
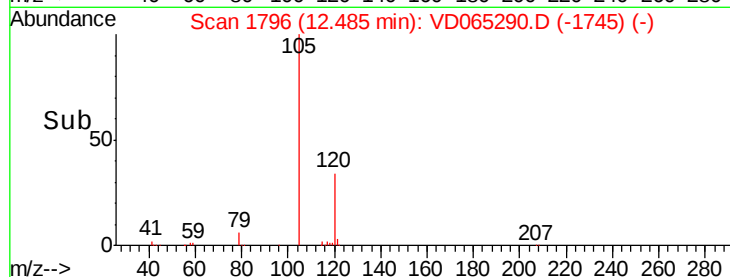
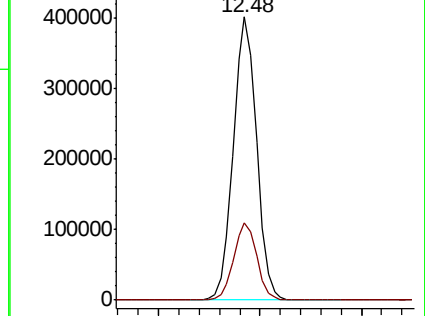
105 100

120 27.0 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: 26.858 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion: 43 Resp: 55027

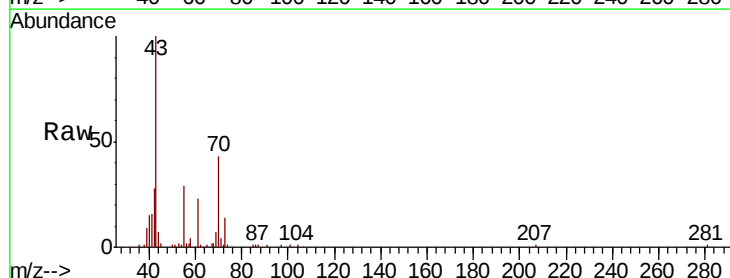
Ion Ratio Lower Upper

43 100

70 44.5 33.7 50.5

55 27.7 20.7 31.1

61 23.8 19.0 28.4

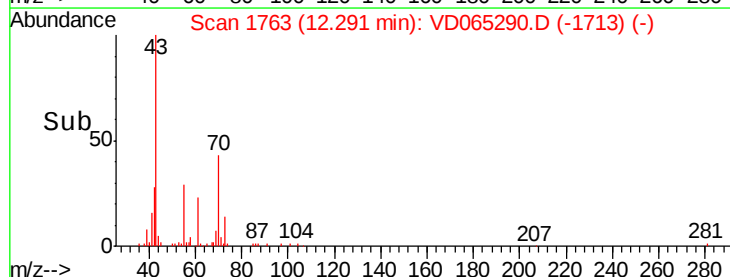
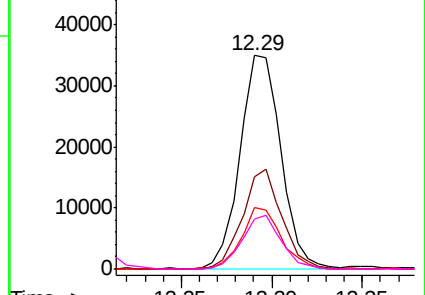


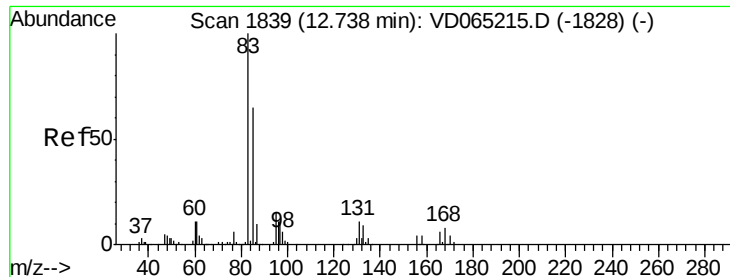
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 83.027 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampled :

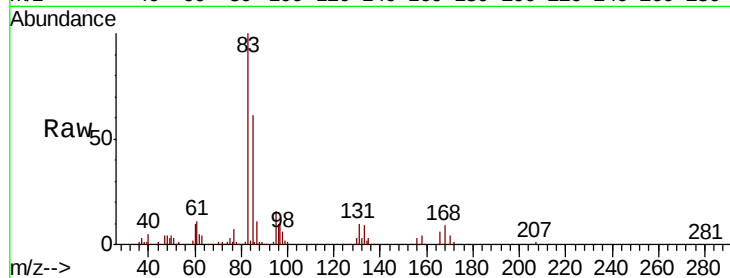
Tot Ion: 83 Resp: 138162

Ion Ratio Lower Upper

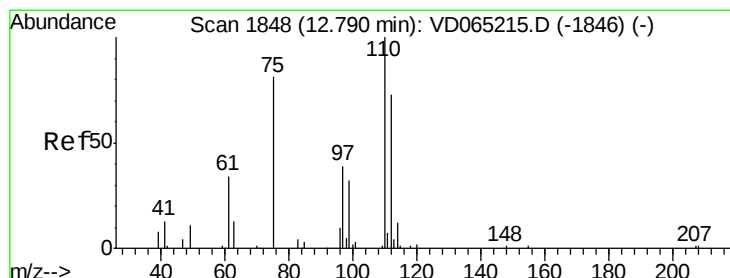
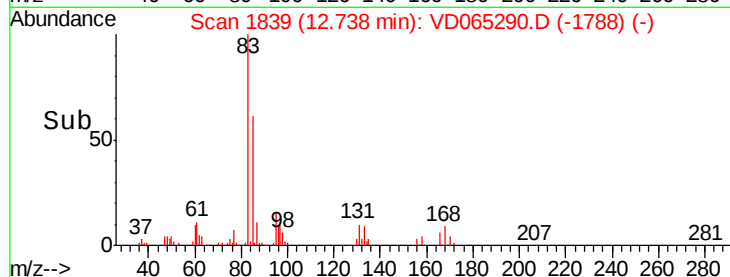
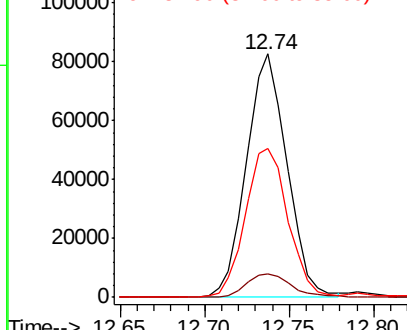
83 100

131 10.7 5.4 16.2

85 64.2 31.6 94.8



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



#76

1,2,3-Trichloropropane

Concen: 145.292 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065290.D

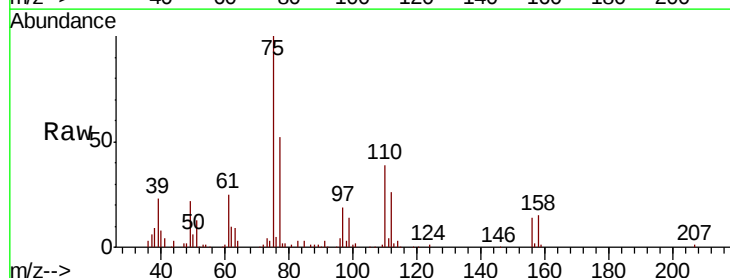
Acq: 24 Feb 2020 13:05

Tgt Ion: 75 Resp: 172163

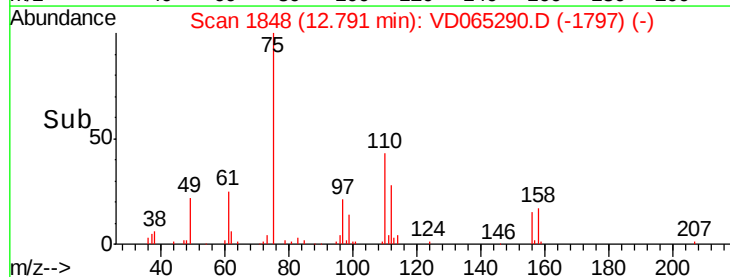
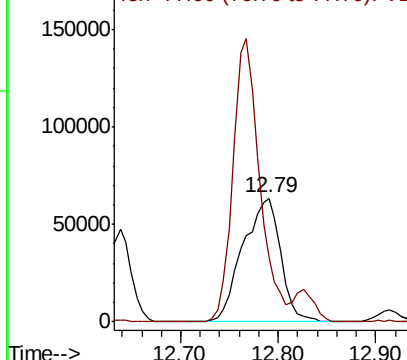
Ion Ratio Lower Upper

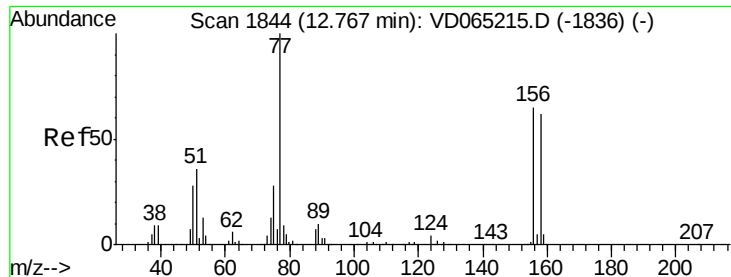
75 100

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: 68.466 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

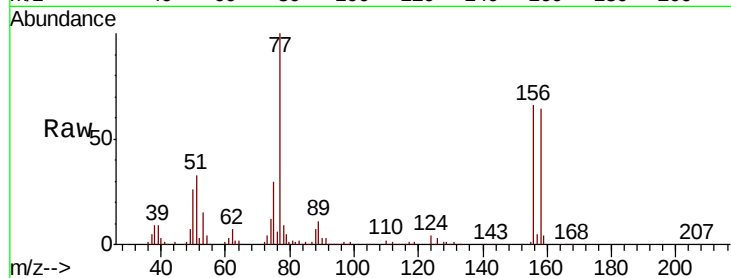
Tot Ion:156 Resp: 156757

Ion Ratio Lower Upper

156 100

77 176.4 86.6 259.7

158 97.6 48.1 144.3

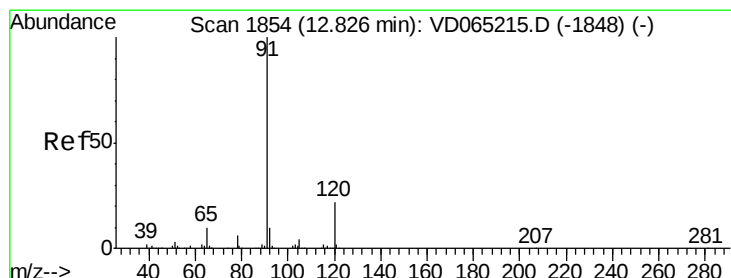
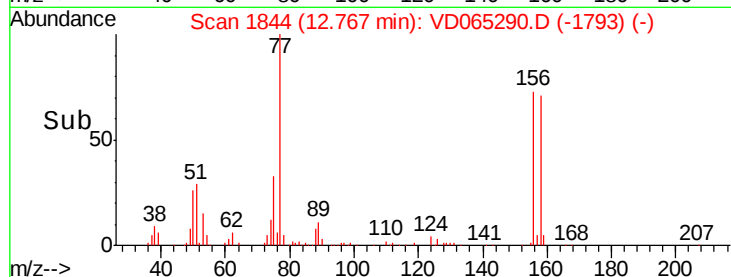
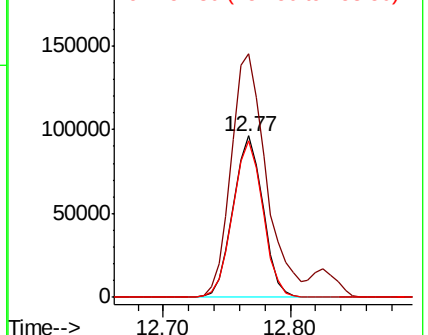


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.148 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065290.D

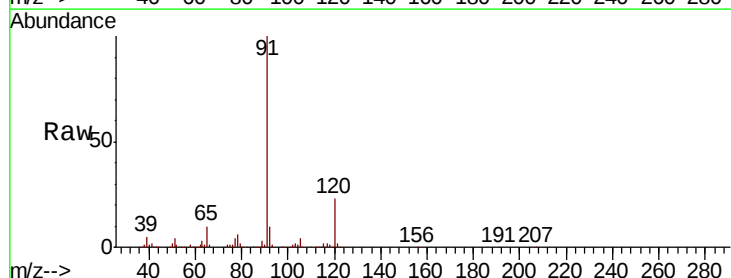
Acq: 24 Feb 2020 13:05

Tgt Ion: 91 Resp: 644290

Ion Ratio Lower Upper

91 100

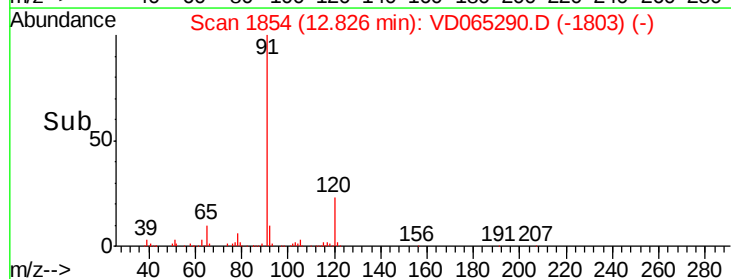
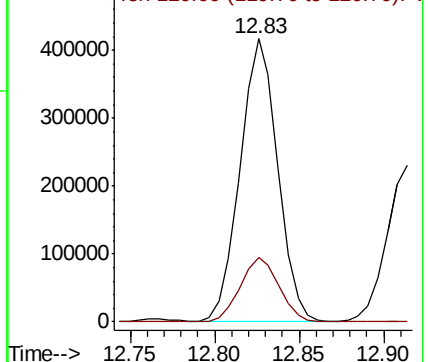
120 23.4 11.5 34.5



Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

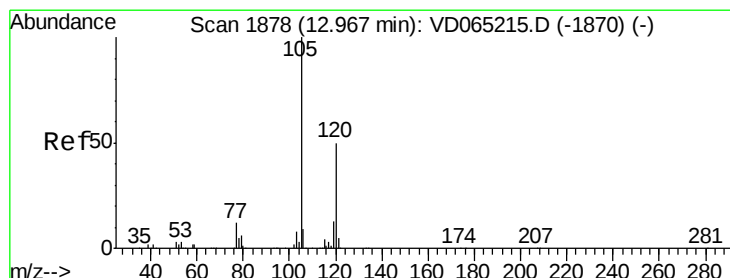
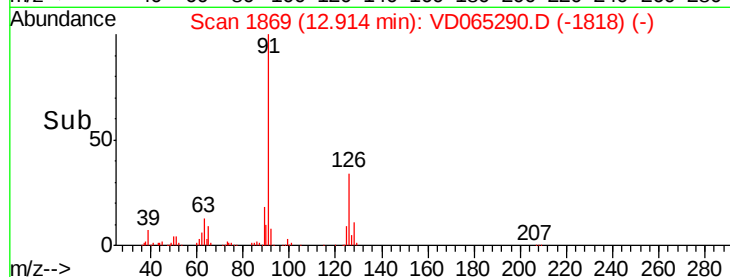
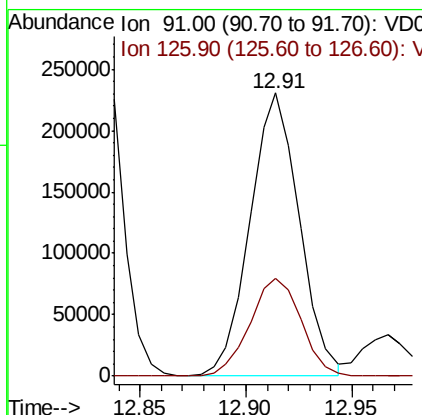
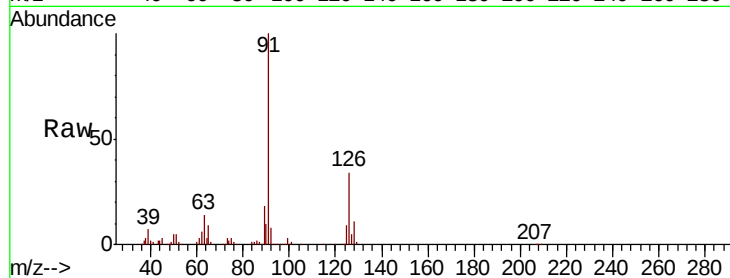




#79
 2-Chlorotoluene
 Concen: 60.054 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

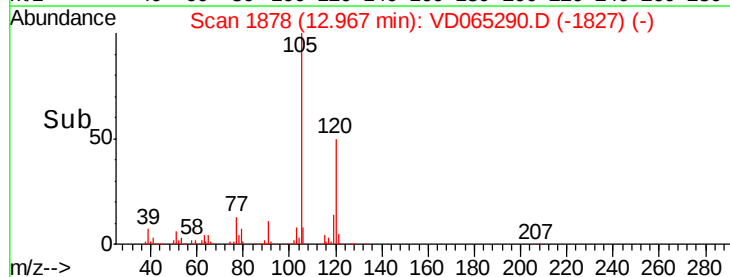
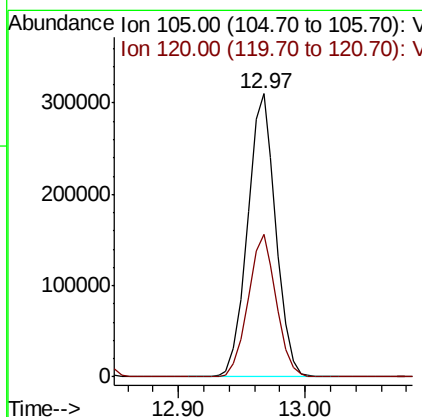
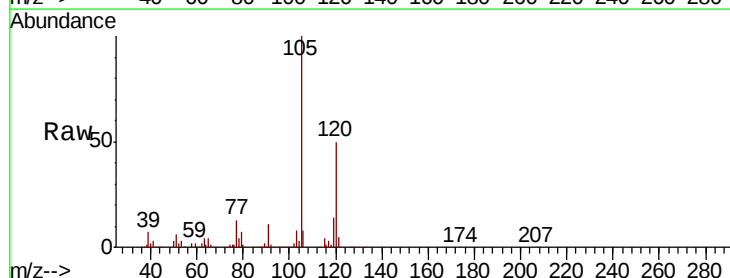
Instrument :
 MSVOA_D
 ClientSampled :

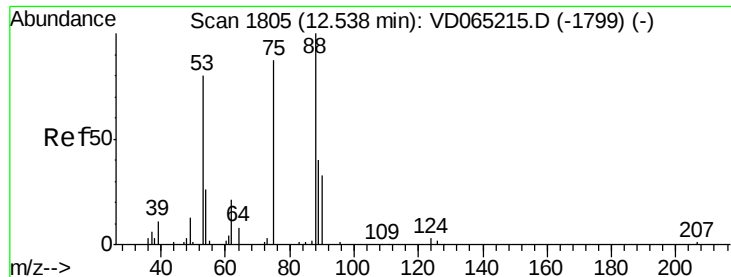
Tot Ion: 91 Resp: 372768
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 63.002 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion: 105 Resp: 478439
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 79.724 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampled :

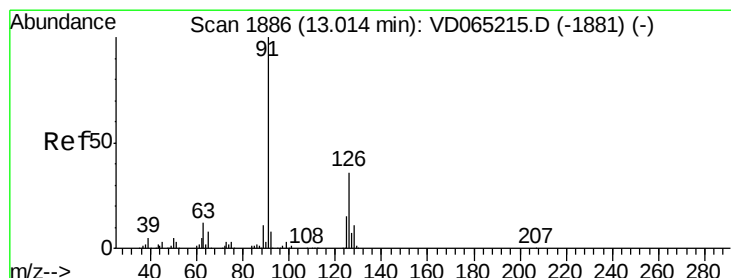
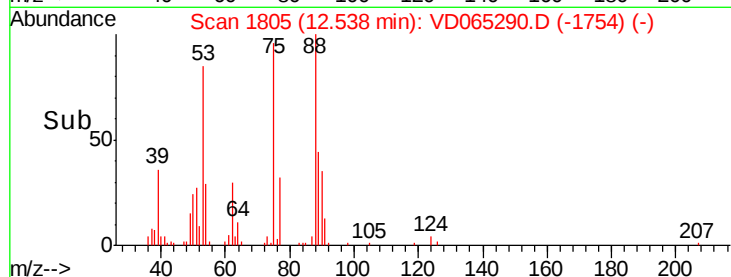
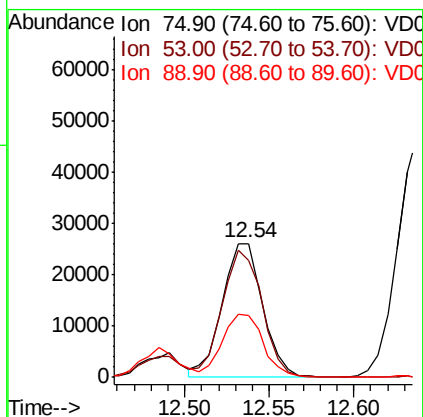
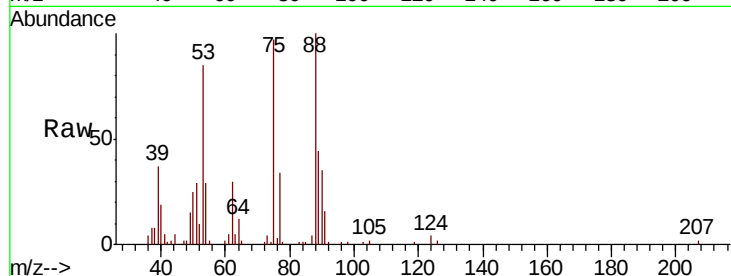
Tot Ion: 75 Resp: 43752

Ion Ratio Lower Upper

75 100

53 94.0 77.6 116.4

89 47.3 37.2 55.8



#82

4-Chlorotoluene

Concen: 56.454 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065290.D

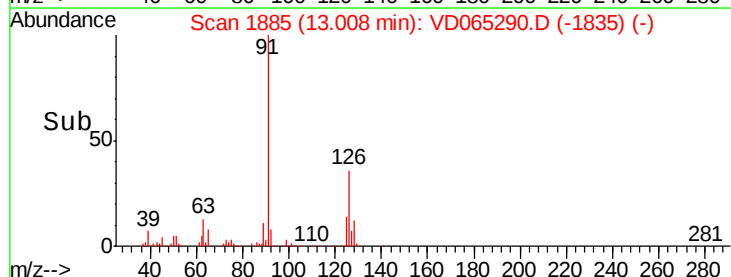
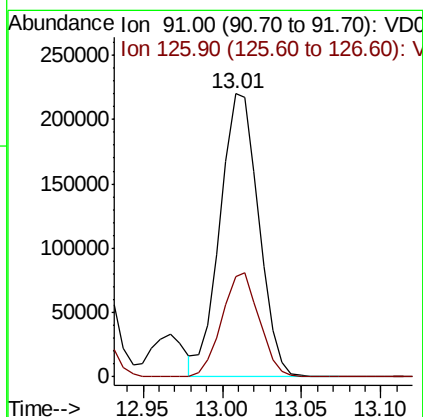
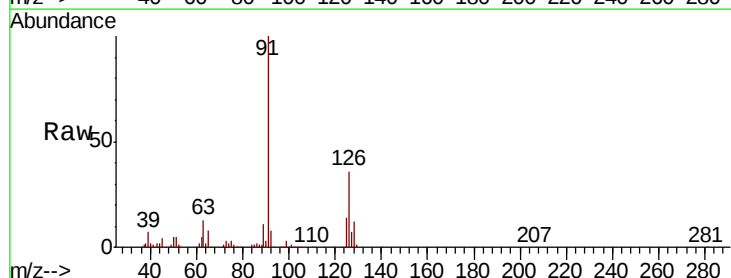
Acq: 24 Feb 2020 13:05

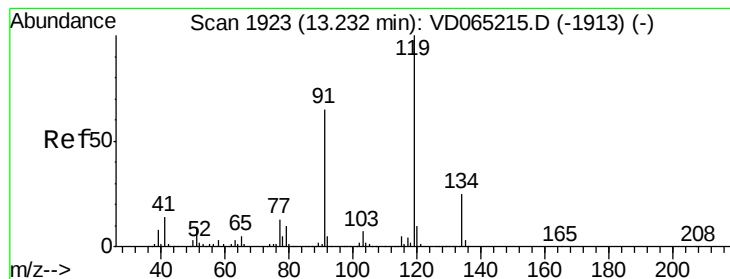
Tgt Ion: 91 Resp: 372022

Ion Ratio Lower Upper

91 100

126 35.6 17.4 52.3





#83

tert-Butylbenzene

Concen: 65.315 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

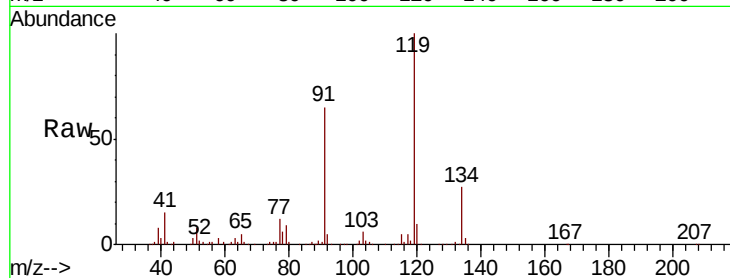
Tot Ion:119 Resp: 415718

Ion Ratio Lower Upper

119 100

91 63.4 31.9 95.5

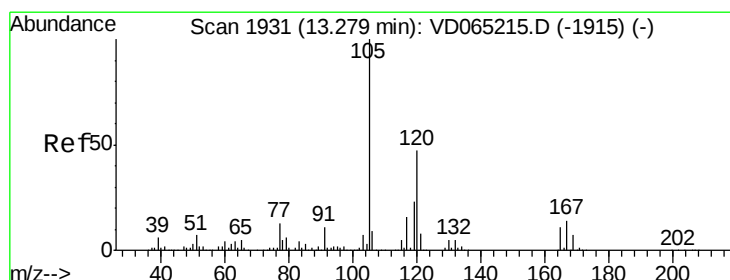
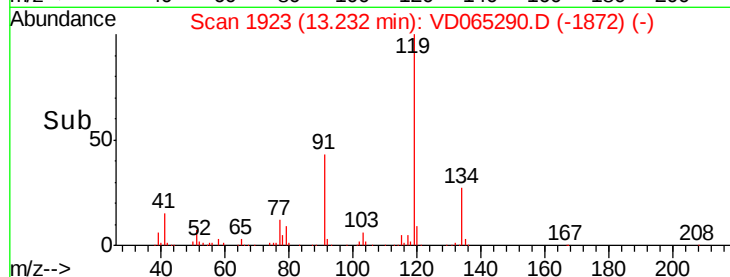
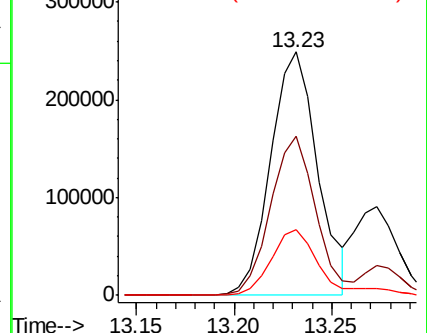
134 26.2 13.8 41.3



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: 60.987 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD065290.D

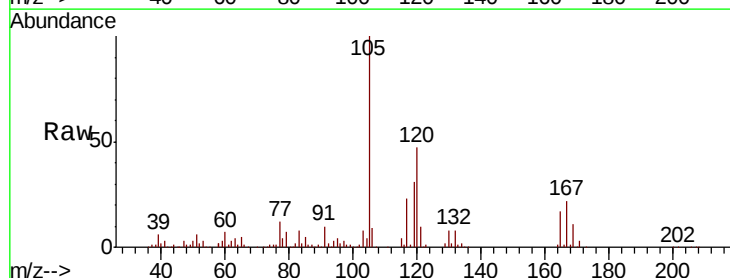
Acq: 24 Feb 2020 13:05

Tgt Ion:105 Resp: 463566

Ion Ratio Lower Upper

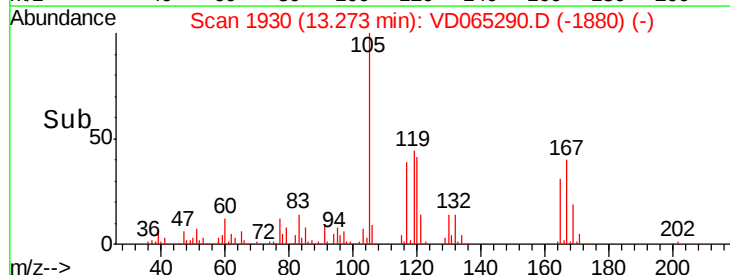
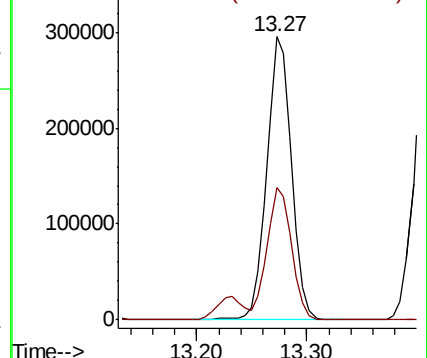
105 100

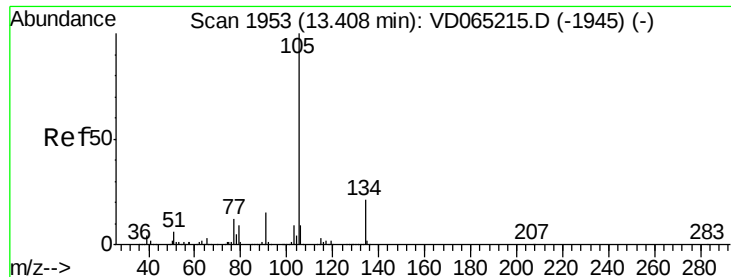
120 46.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.570 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

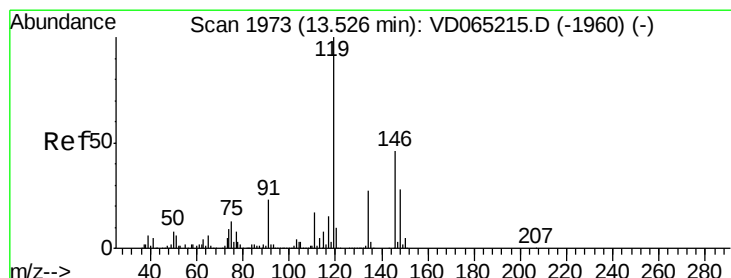
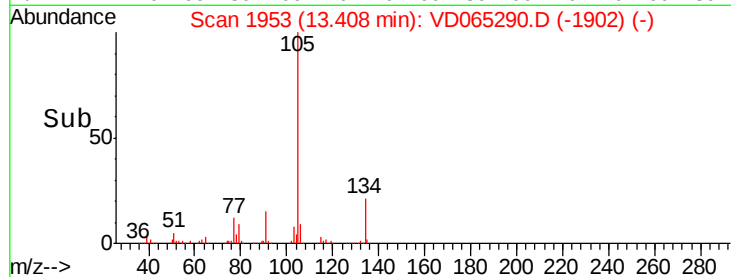
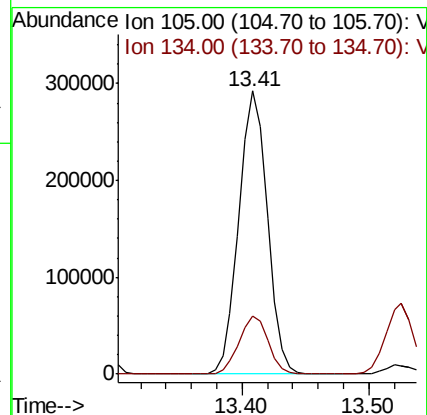
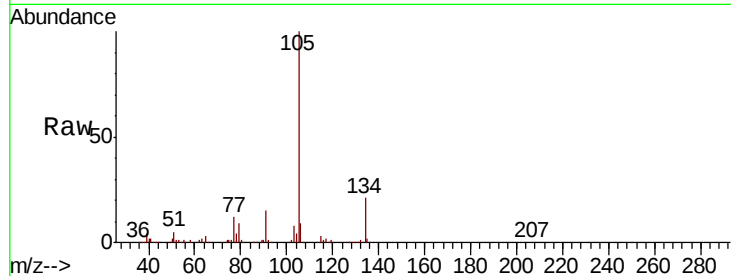
ClientSampleId :

Tot Ion:105 Resp: 454623

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9



#86

p-Isopropyltoluene

Concen: 48.469 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

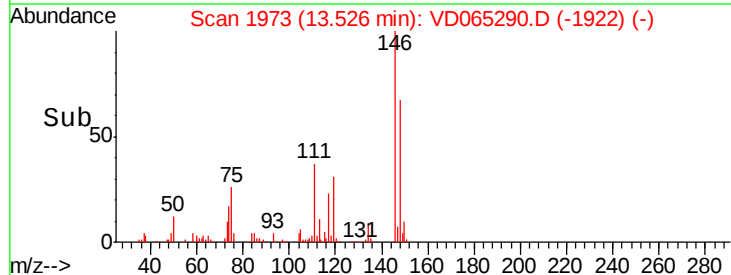
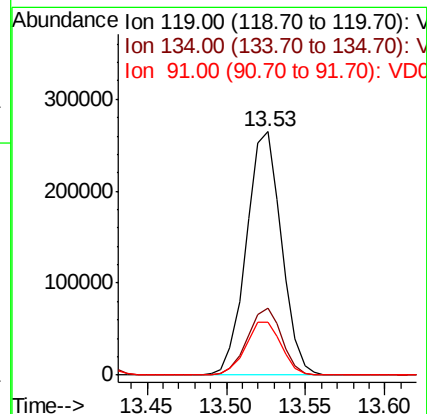
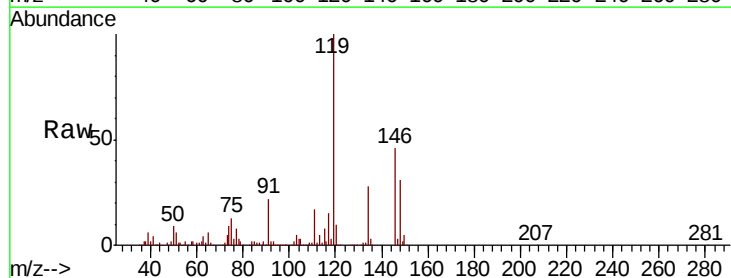
Tgt Ion:119 Resp: 406513

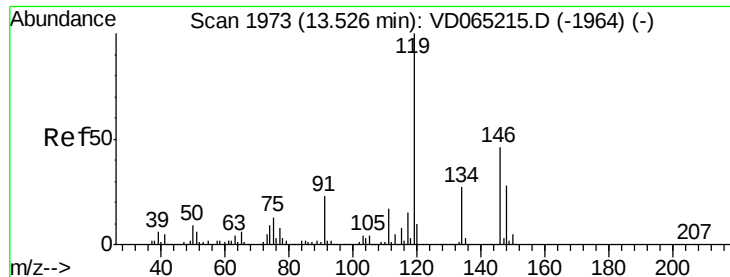
Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

91 22.2 11.1 33.1

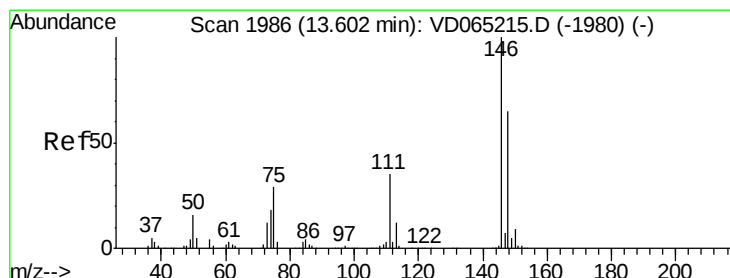
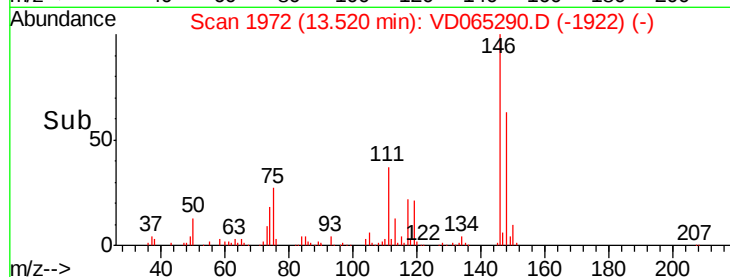
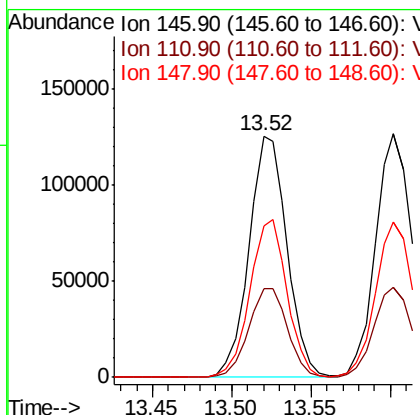
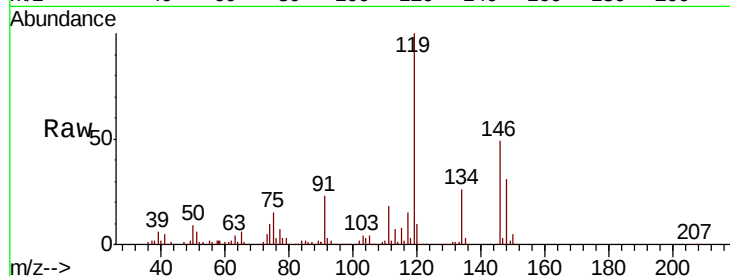




#87
 1,3-Dichlorobenzene
 Concen: 47.040 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

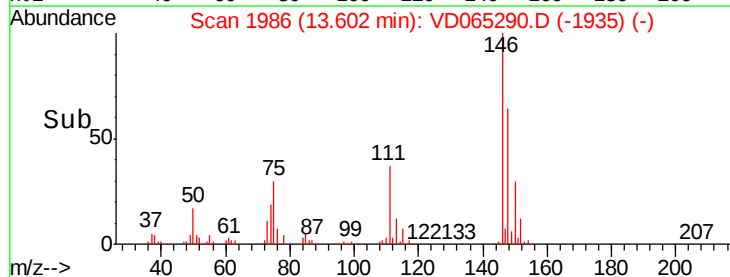
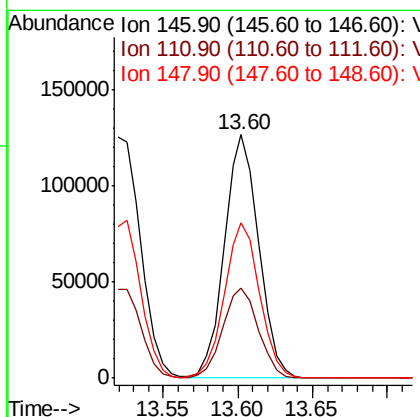
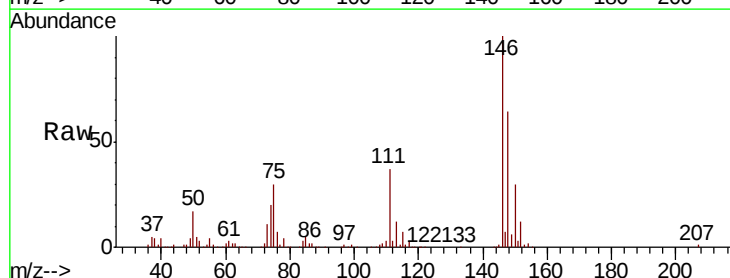
Instrument :
 MSVOA_D
 ClientSampleId :

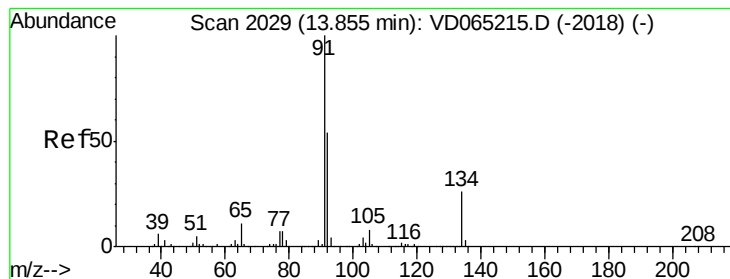
Tot Ion:146 Resp: 208211
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 55.8
 148 64.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 46.497 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion:146 Resp: 203120
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.4 55.2
 148 65.3 32.1 96.5





#89

n-Butylbenzene

Concen: 33.589 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampled :

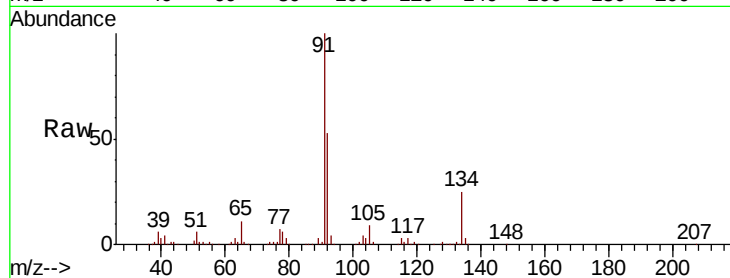
Tot Ion: 91 Resp: 259593

Ion Ratio Lower Upper

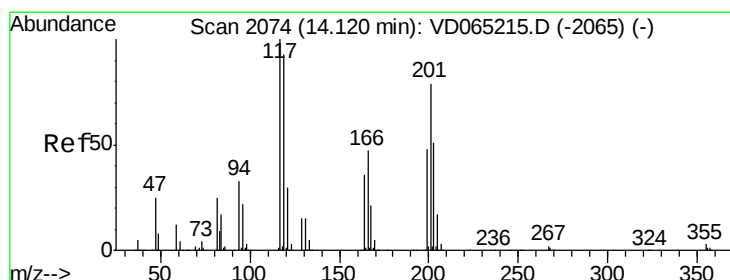
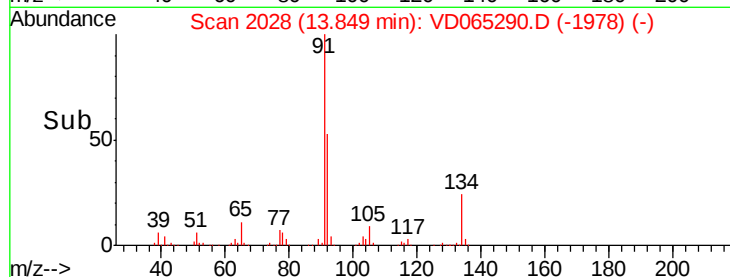
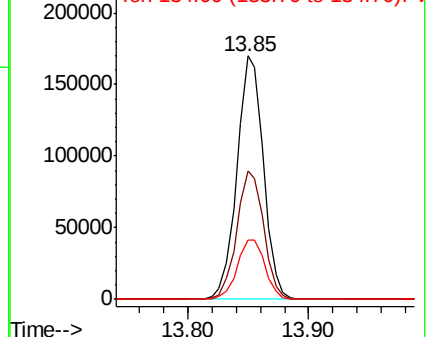
91 100

92 53.5 27.0 80.8

134 25.7 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 57.421 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065290.D

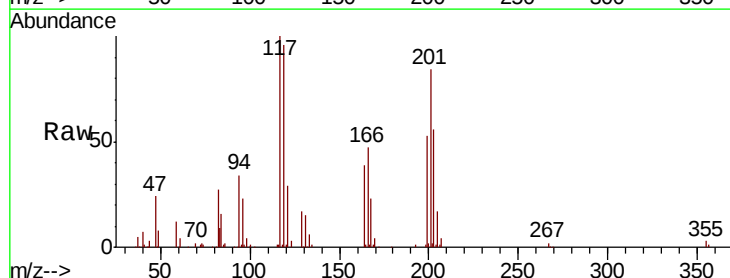
Acq: 24 Feb 2020 13:05

Tgt Ion: 117 Resp: 97786

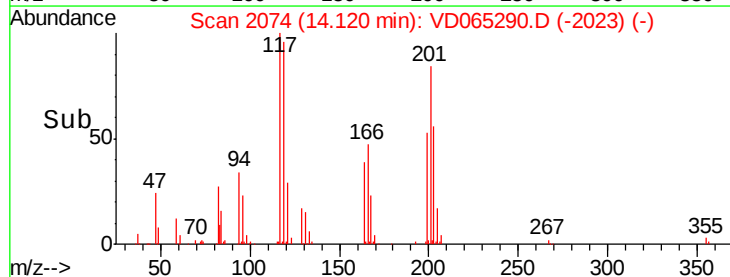
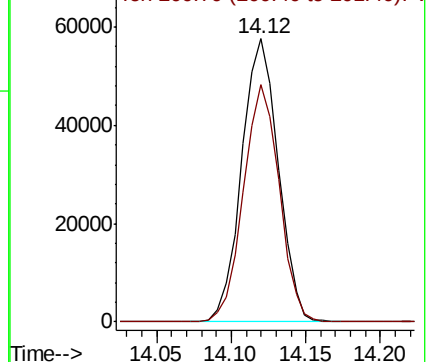
Ion Ratio Lower Upper

117 100

201 82.1 41.3 124.1



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC





#91

1,2-Dichlorobenzene

Concen: 48.817 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065290.D

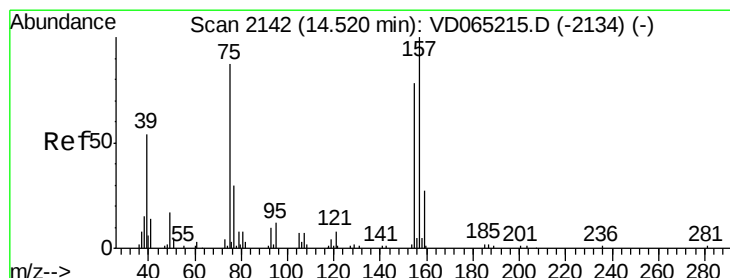
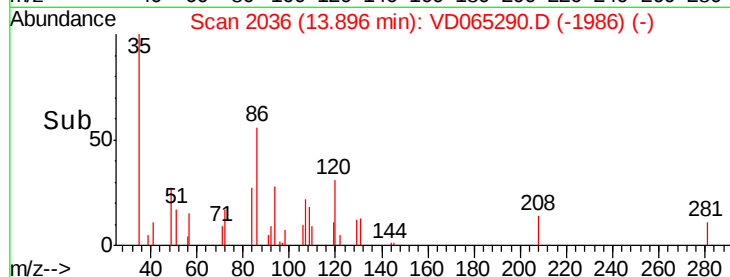
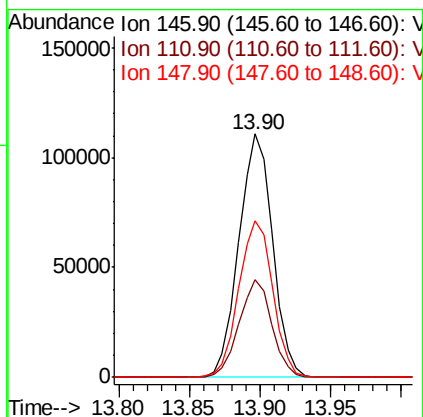
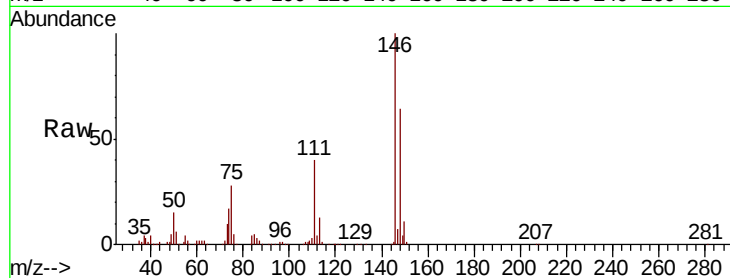
Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:	146	Resp:	185528
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.8	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 73.737 ug/l

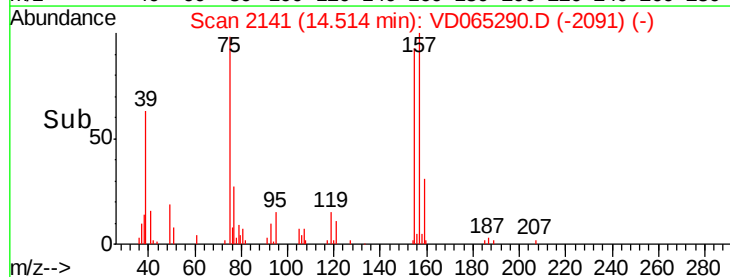
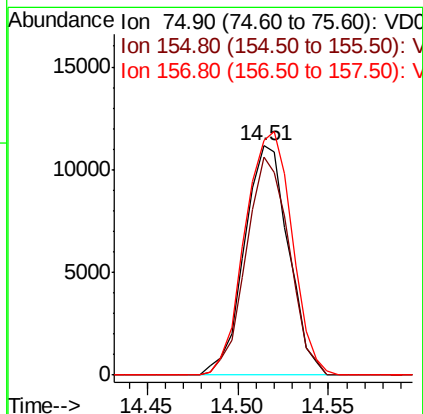
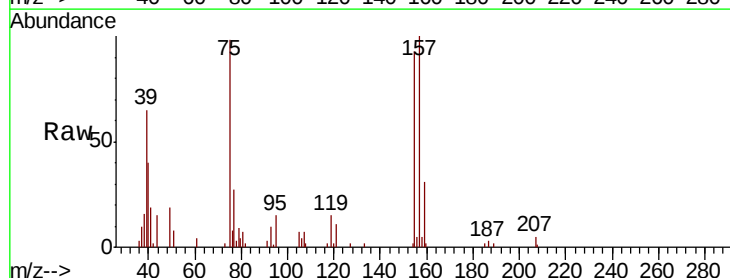
RT: 14.51 min Scan# 2141

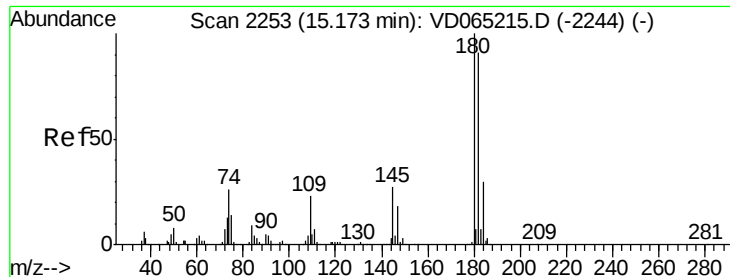
Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	75	Resp:	18909
Ion	Ratio	Lower	Upper
75	100		
155	92.9	42.3	126.9
157	112.9	56.7	170.1

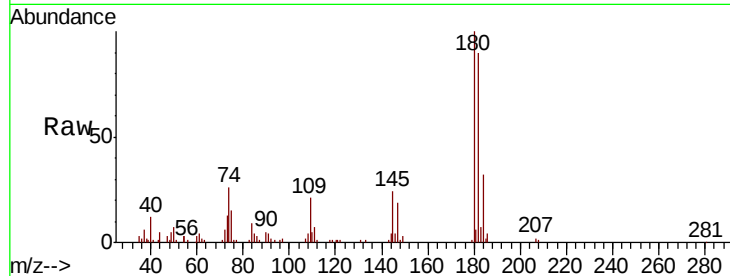




#93
 1,2,4-Trichlorobenzene
 Concen: 25.107 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.9	140.6
145	27.1	13.9	41.7

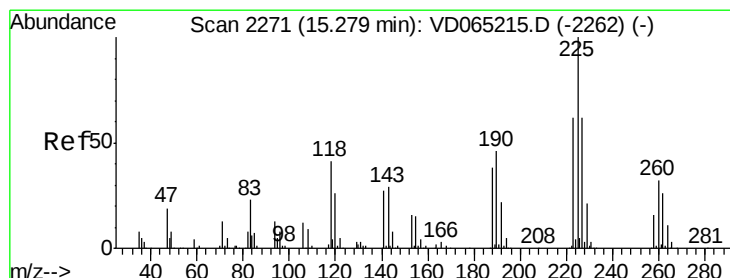
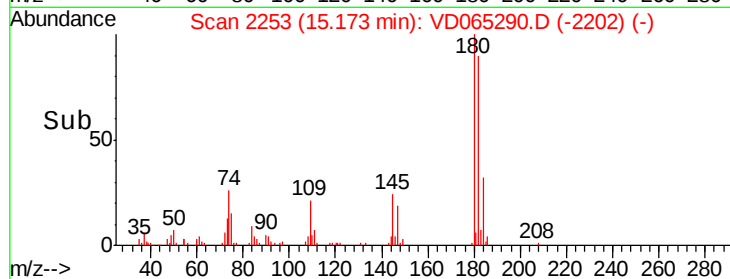
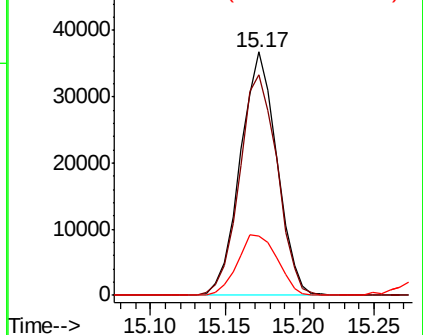


Abundance

Ion 179.80 (179.50 to 180.50): V

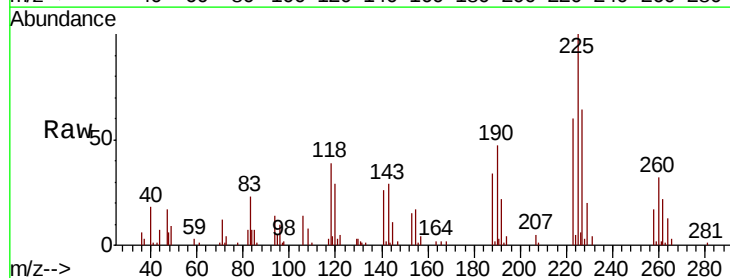
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 24.598 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	61.7	31.7	95.1

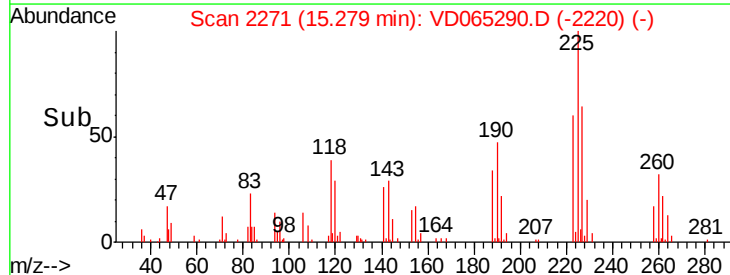
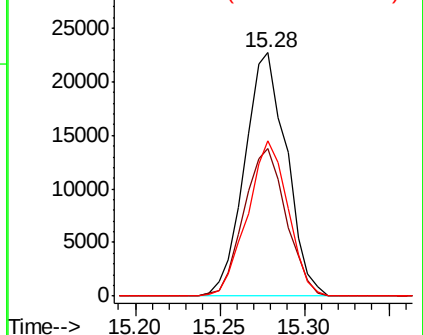


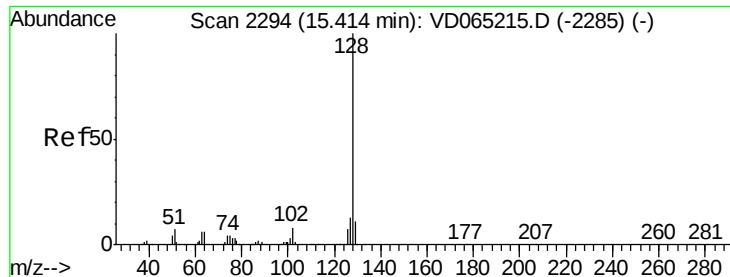
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

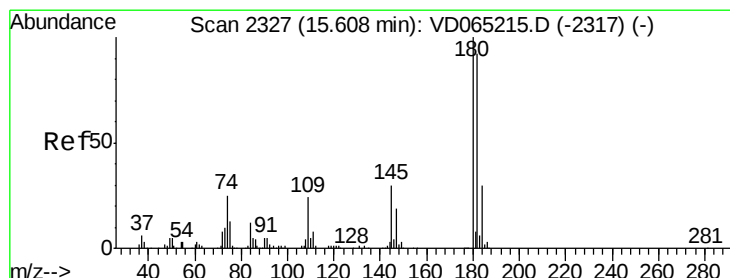
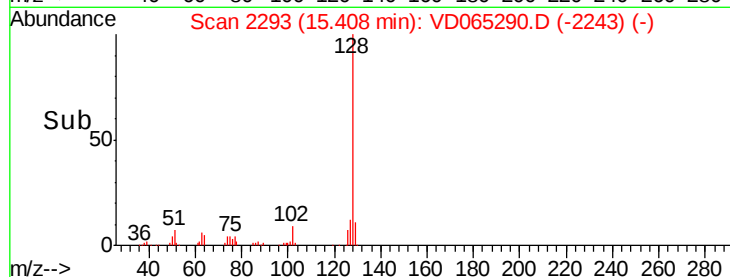
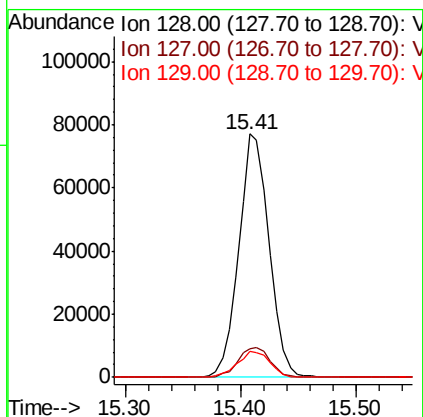
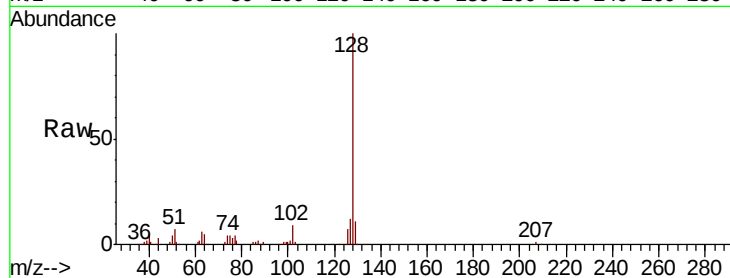




#95
Naphthalene
Concen: 34.633 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 139964
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 24.272 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion:180 Resp: 52699
Ion Ratio Lower Upper
180 100
182 92.6 46.9 140.6
145 30.9 15.4 46.1

