

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065214.D
 Acq On : 18 Feb 2020 11:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 19 03:01:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	652408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	82960	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	
35) Dibromofluoromethane	7.92	113	84191	19.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.32%	
50) Toluene-d8	10.34	98	327725	19.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.02%	
62) 4-Bromofluorobenzene	12.64	95	101794	19.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74664	18.571	ug/l	97
3) Chloromethane	2.21	50	101667	19.868	ug/l	98
4) Vinyl Chloride	2.35	62	104018	19.990	ug/l	100
5) Bromomethane	2.76	94	59525	18.920	ug/l	86
6) Chloroethane	2.92	64	63425	19.969	ug/l	92
7) Trichlorofluoromethane	3.27	101	150724	20.232	ug/l	99
8) Diethyl Ether	3.71	74	45075	20.045	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	96197	20.448	ug/l	100
10) Methyl Iodide	4.30	142	94388	19.323	ug/l	97
11) Tert butyl alcohol	5.25	59	26938	104.542	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	89592	20.159	ug/l	99
13) Acrolein	3.93	56	44343	115.597	ug/l	100
14) Allyl chloride	4.71	41	142778	19.784	ug/l	99
15) Acrylonitrile	5.44	53	101339	101.787	ug/l	100
16) Acetone	4.17	43	93750	88.939	ug/l	96
17) Carbon Disulfide	4.40	76	299952	20.132	ug/l	100
18) Methyl Acetate	4.73	43	49261	20.779	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	185484	20.014	ug/l	96
20) Methylene Chloride	4.96	84	107677	20.123	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	103383	20.463	ug/l	92
22) Diisopropyl ether	6.37	45	287172	20.641	ug/l	99
23) Vinyl Acetate	6.31	43	778421	101.490	ug/l	97
24) 1,1-Dichloroethane	6.27	63	173613	20.119	ug/l	99
25) 2-Butanone	7.22	43	128381	96.262	ug/l	100
26) 2,2-Dichloropropane	7.21	77	151040	20.173	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	106722	19.942	ug/l	98
28) Bromochloromethane	7.55	49	61014	19.058	ug/l	95
29) Tetrahydrofuran	7.57	42	79430	101.648	ug/l	100
30) Chloroform	7.71	83	177505	20.417	ug/l	92
31) Cyclohexane	7.98	56	170127	20.065	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	158466	20.372	ug/l	99
36) 1,1-Dichloropropene	8.11	75	143560	20.471	ug/l	99
37) Ethyl Acetate	7.30	43	59913	20.436	ug/l	99
38) Carbon Tetrachloride	8.10	117	145051	20.318	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065214.D
 Acq On : 18 Feb 2020 11:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Quant Time: Feb 19 03:01:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164479	19.950	ug/l	99
40) Benzene	8.36	78	401731	20.295	ug/l	100
41) Methacrylonitrile	7.53	41	34818	20.569	ug/l	90
42) 1,2-Dichloroethane	8.43	62	110835	20.367	ug/l	99
43) Isopropyl Acetate	8.46	43	105431	19.776	ug/l	98
44) Trichloroethene	9.11	130	107546	19.600	ug/l	96
45) 1,2-Dichloropropane	9.40	63	97604	19.830	ug/l	99
46) Dibromomethane	9.48	93	51210	20.221	ug/l	98
47) Bromodichloromethane	9.67	83	133592	20.017	ug/l	96
48) Methyl methacrylate	9.46	41	49141	19.941	ug/l	98
49) 1,4-Dioxane	9.47	88	12392	417.202	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	275223	101.640	ug/l	99
52) Toluene	10.41	92	251393	20.518	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	124878	20.186	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	149690	20.038	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	72872	20.444	ug/l	97
56) Ethyl methacrylate	10.67	69	82902	20.150	ug/l	99
57) 1,3-Dichloropropane	10.95	76	123613	20.375	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	123415	95.146	ug/l	100
59) 2-Hexanone	10.99	43	191322	98.703	ug/l	100
60) Dibromochloromethane	11.14	129	92067	20.180	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67731	20.069	ug/l	100
64) Tetrachloroethene	10.88	164	95269	20.589	ug/l	95
65) Chlorobenzene	11.67	112	264771	20.224	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	98116	20.082	ug/l	99
67) Ethyl Benzene	11.75	91	467719	20.398	ug/l	100
68) m/p-Xylenes	11.86	106	357190	40.716	ug/l	98
69) o-Xylene	12.18	106	157658	20.285	ug/l	99
70) Styrene	12.20	104	281780	20.420	ug/l	99
71) Bromoform	12.37	173	54555	20.123	ug/l #	100
73) Isopropylbenzene	12.48	105	436069	20.653	ug/l	98
74) N-amyl acetate	12.30	43	93998	20.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	77045	20.219	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	101533	22.216	ug/l #	100
77) Bromobenzene	12.77	156	105330	20.090	ug/l	96
78) n-propylbenzene	12.83	91	513923	20.255	ug/l	99
79) 2-Chlorotoluene	12.91	91	285928	20.116	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	357723	20.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25737	20.480	ug/l	98
82) 4-Chlorotoluene	13.01	91	306435	20.307	ug/l	99
83) tert-Butylbenzene	13.23	119	294613	20.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360871	20.733	ug/l	100
85) sec-Butylbenzene	13.41	105	423788	20.179	ug/l	99
86) p-Isopropyltoluene	13.53	119	392614	20.442	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	206227	20.346	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	203772	20.370	ug/l	98
89) n-Butylbenzene	13.85	91	358537	20.259	ug/l	99
90) Hexachloroethane	14.12	117	78794	20.205	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175121	20.122	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11802	20.098	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
Data File : VD065214.D
Acq On : 18 Feb 2020 11:30
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Quant Time: Feb 19 03:01:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 02:58:47 2020
Response via : Initial Calibration

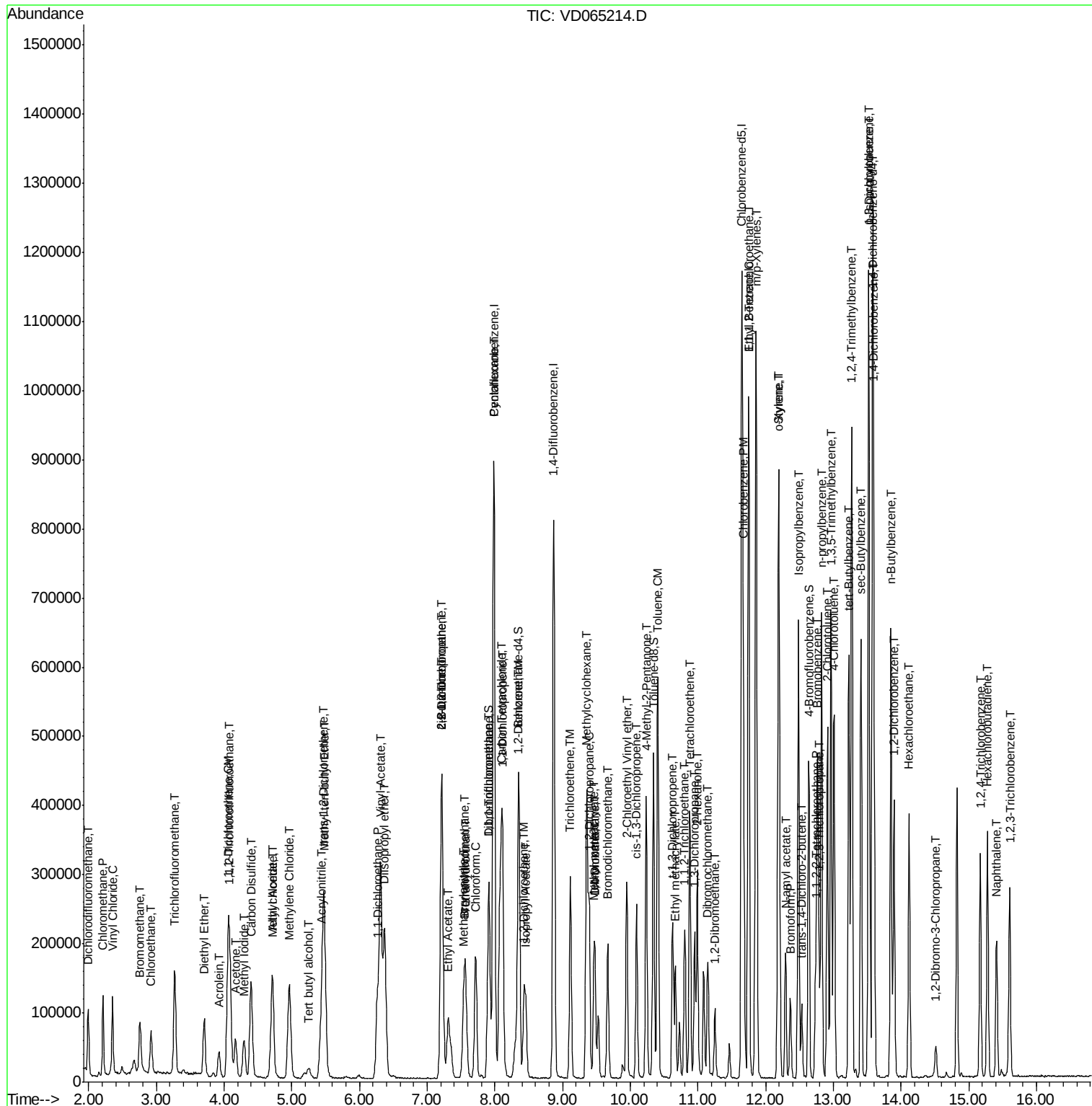
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	111414	19.571	ug/l	96
94) Hexachlorobutadiene	15.28	225	72874	19.956	ug/l	99
95) Naphthalene	15.41	128	178623	19.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99889	20.091	ug/l	100

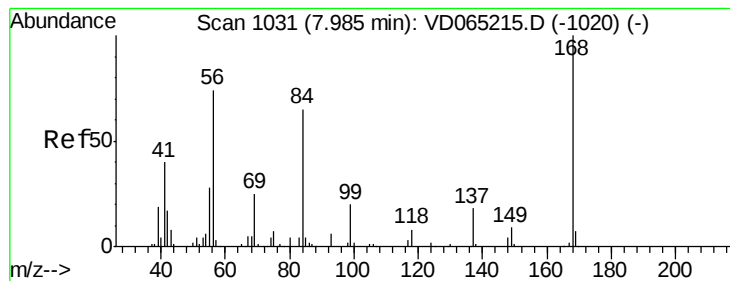
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065214.D
 Acq On : 18 Feb 2020 11:30
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 19 03:01:59 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 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: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

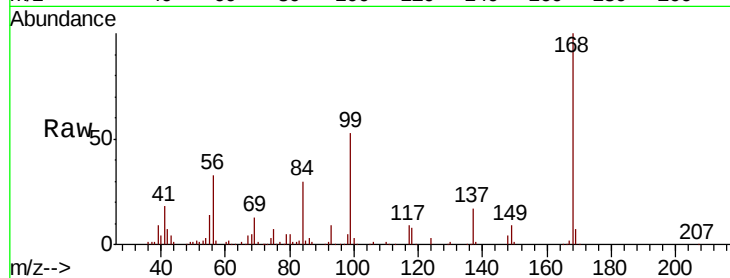
VSTDIC020

Tot Ion:168 Resp: 479335

Ion Ratio Lower Upper

168 100

99 53.1 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

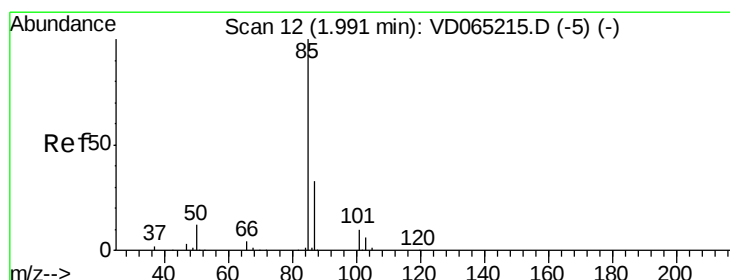
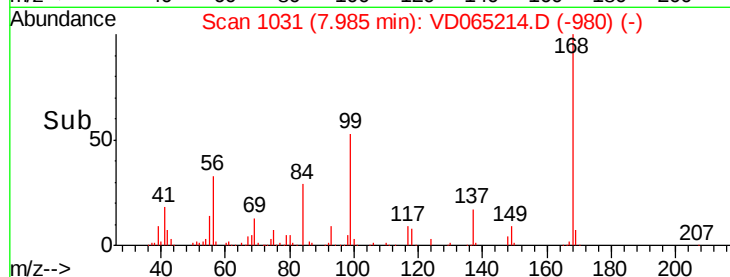
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.571 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065214.D

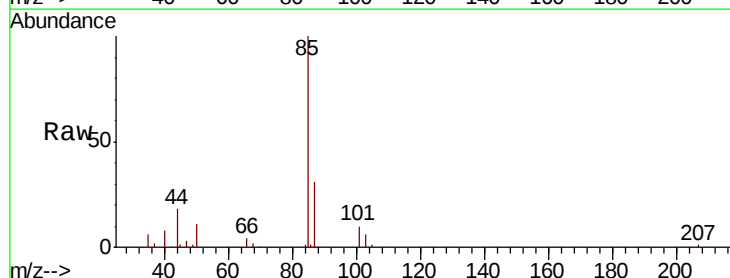
Acq: 18 Feb 2020 11:30

Tgt Ion: 85 Resp: 74664

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

20000

10000

0

1.90

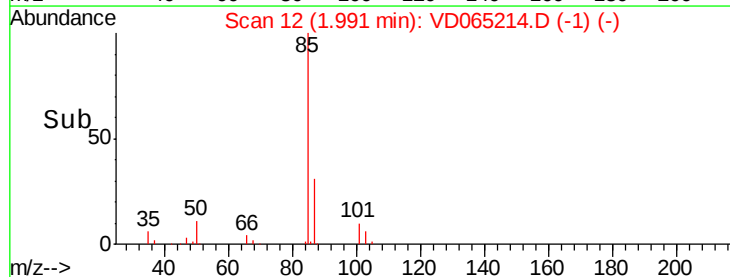
1.95

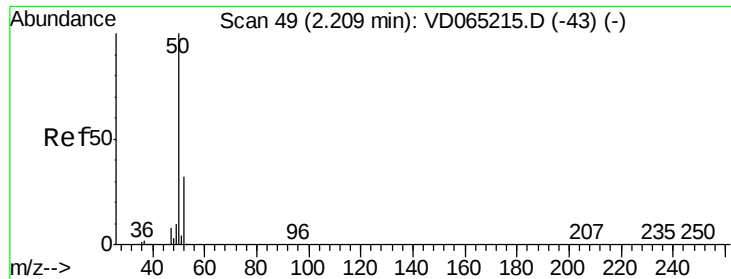
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.868 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

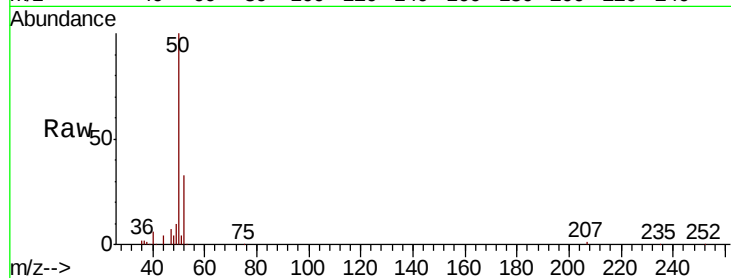
VSTDIC020

Tot Ion: 50 Resp: 101667

Ion Ratio Lower Upper

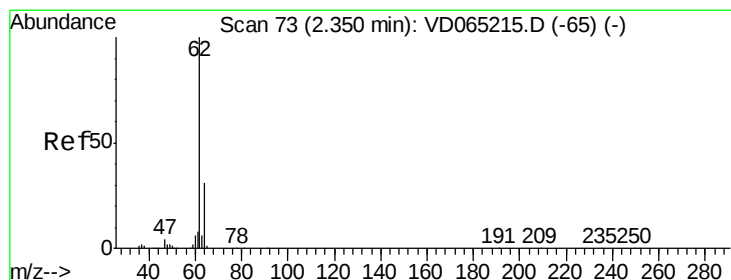
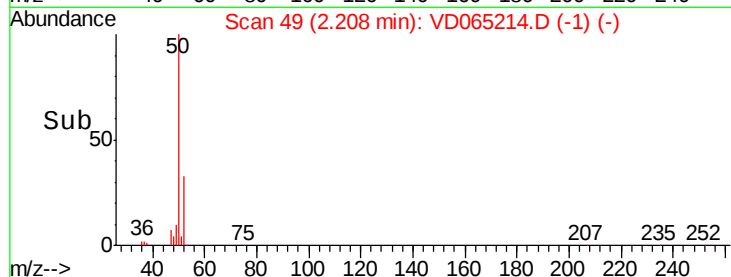
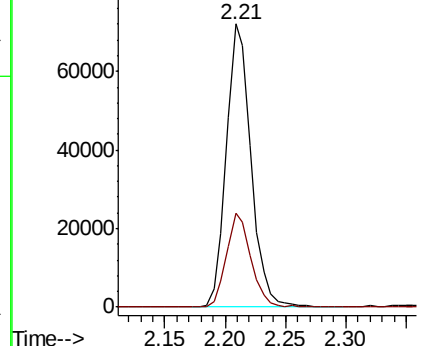
50 100

52 33.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.990 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065214.D

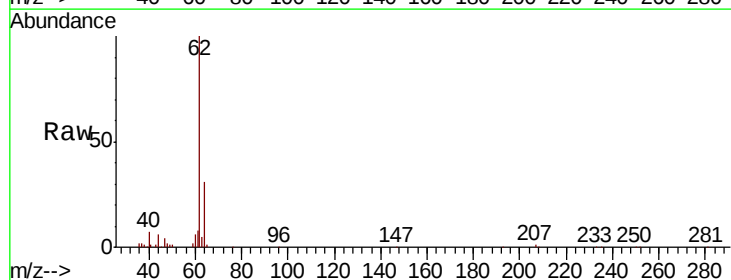
Acq: 18 Feb 2020 11:30

Tgt Ion: 62 Resp: 104018

Ion Ratio Lower Upper

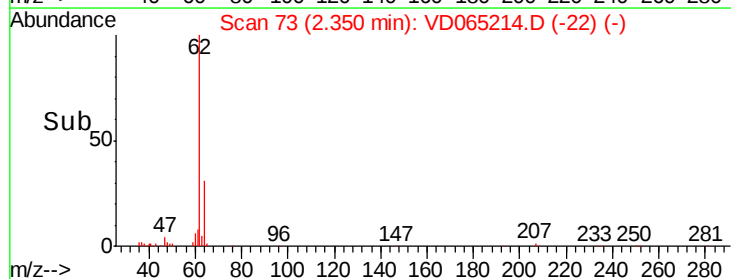
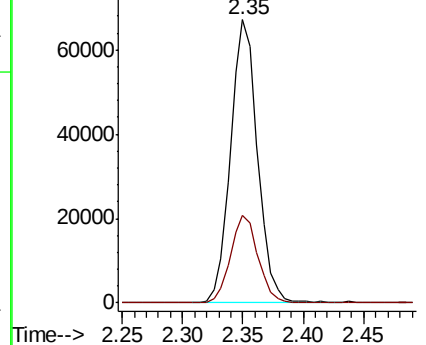
62 100

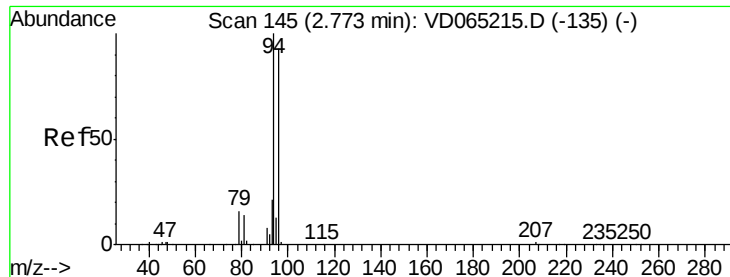
64 31.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.920 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

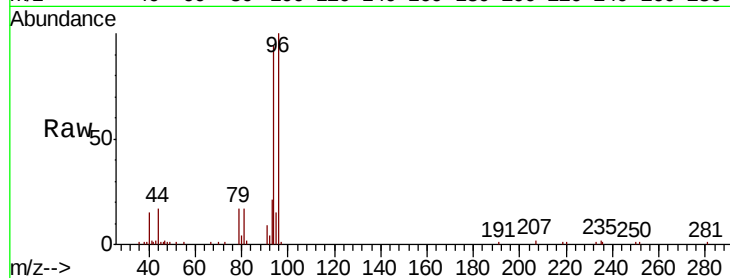
VSTDIC020

Tot Ion: 94 Resp: 59525

Ion Ratio Lower Upper

94 100

96 106.3 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

10000

5000

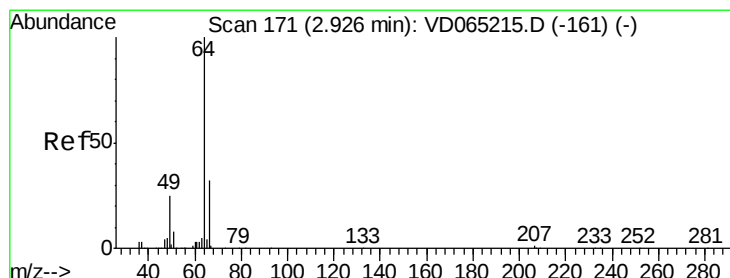
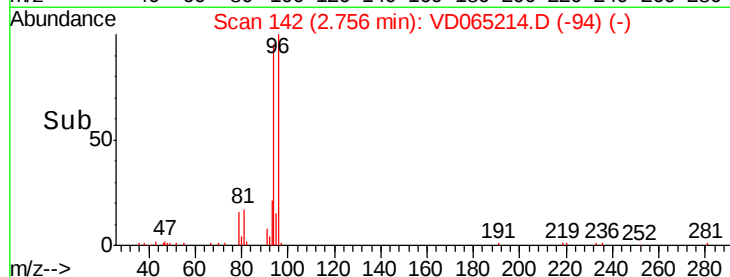
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 19.969 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065214.D

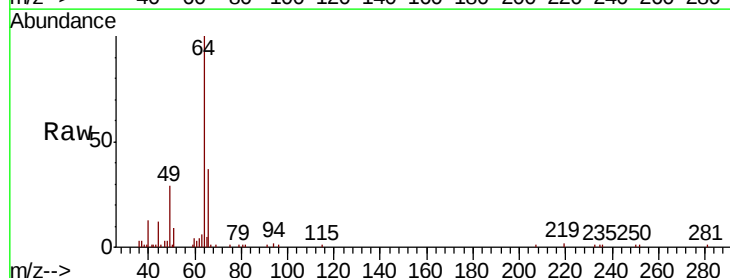
Acq: 18 Feb 2020 11:30

Tgt Ion: 64 Resp: 63425

Ion Ratio Lower Upper

64 100

66 36.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

20000

10000

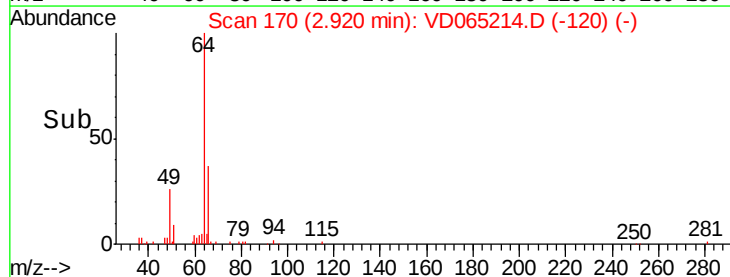
0

Time-->

2.80

2.90

3.00



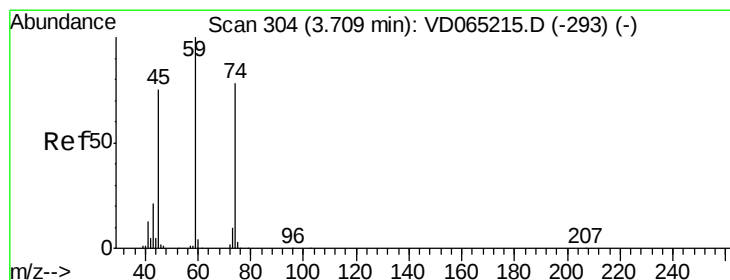
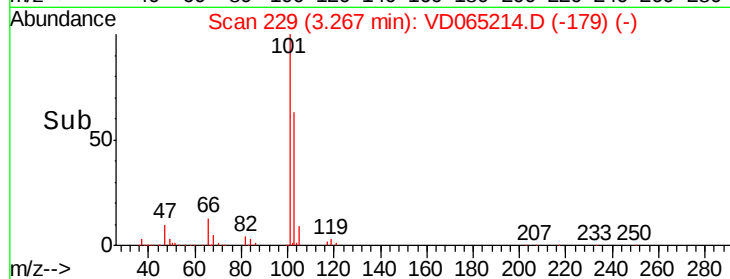
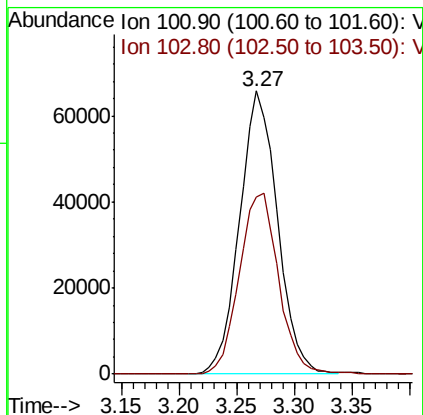
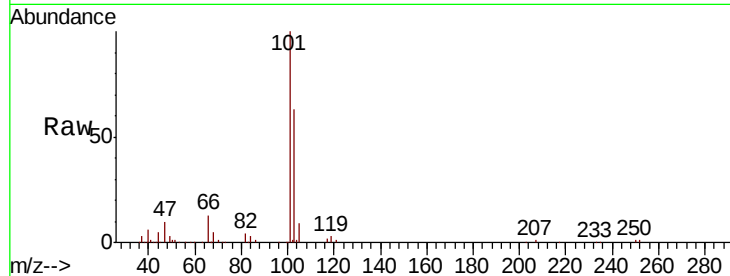


#7

Trichlorofluoromethane
Concen: 20.232 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

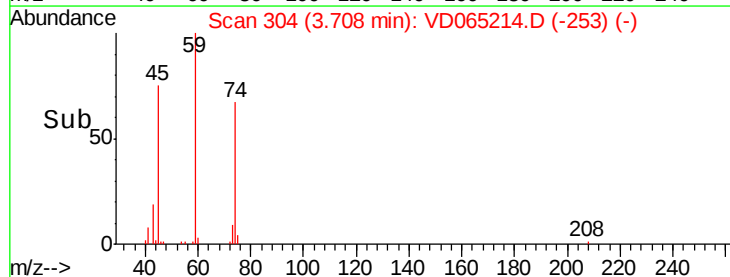
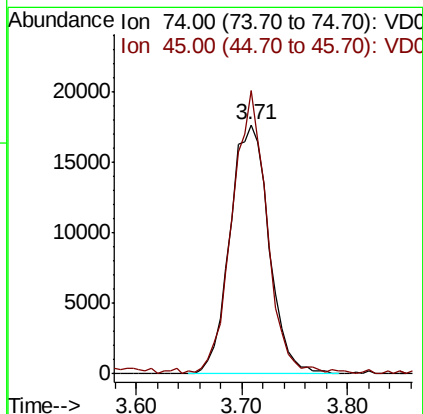
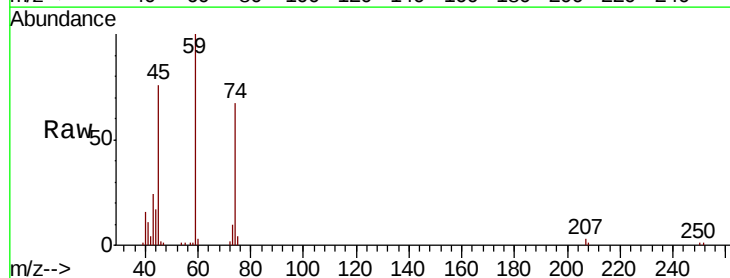
Tot Ion:101 Resp: 150724
Ion Ratio Lower Upper
101 100
103 62.6 50.7 76.1

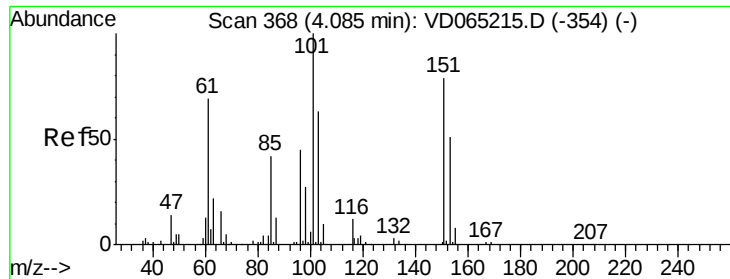


#8

Diethyl Ether
Concen: 20.045 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 74 Resp: 45075
Ion Ratio Lower Upper
74 100
45 101.5 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.448 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

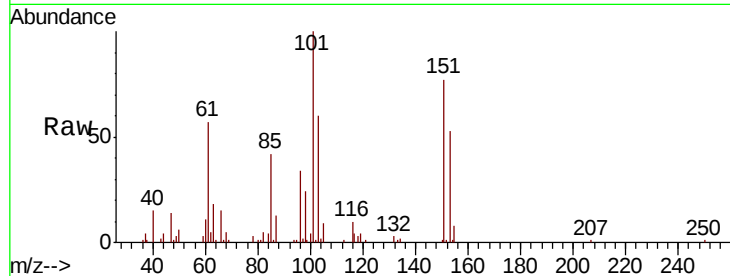
Tot Ion:101 Resp: 96197

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

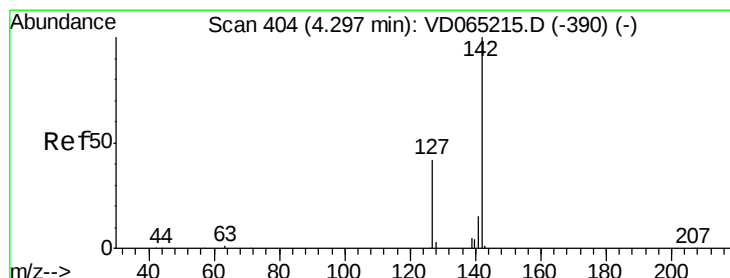
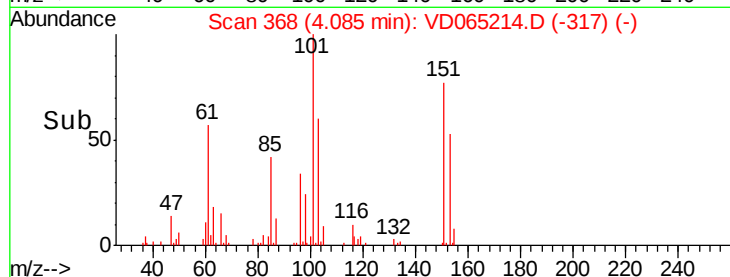
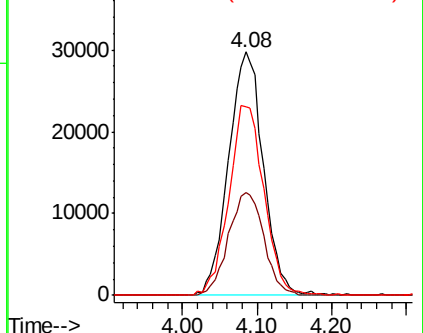
151 78.8 63.5 95.3



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: 19.323 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

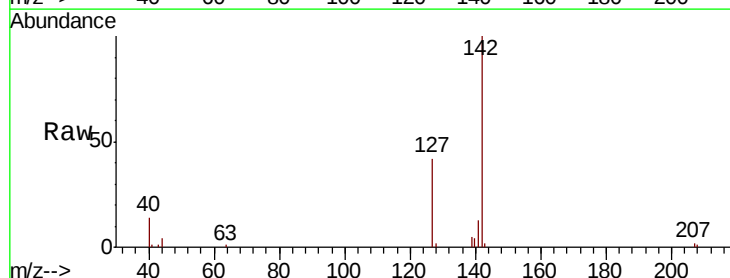
Tgt Ion:142 Resp: 94388

Ion Ratio Lower Upper

142 100

127 44.8 33.8 50.8

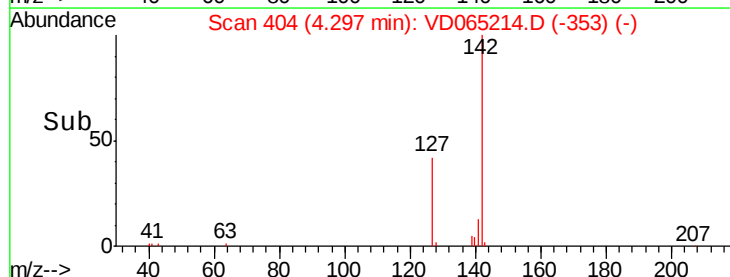
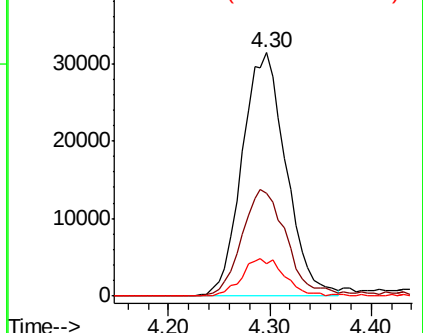
141 14.8 11.7 17.5

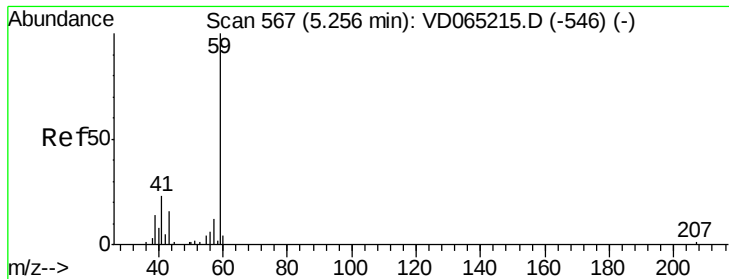


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



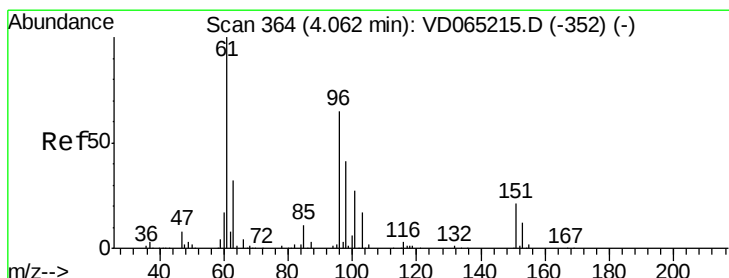
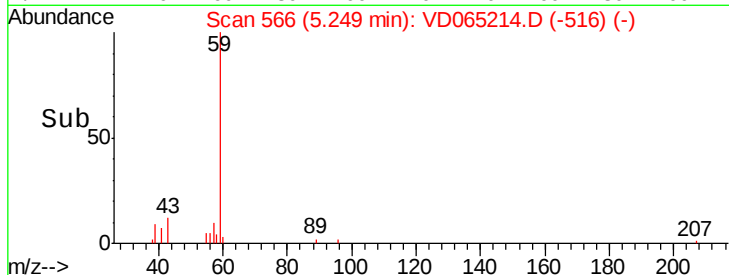
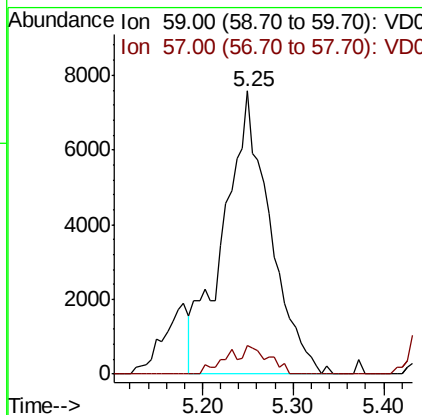
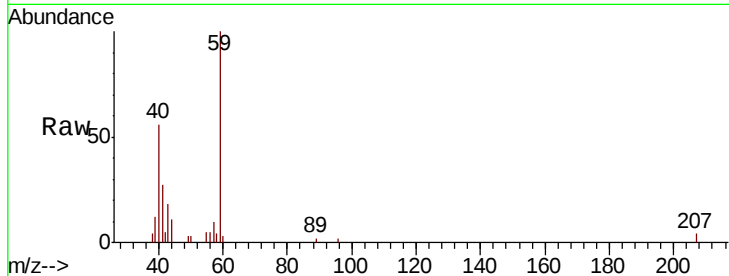


#11

Tert butyl alcohol
 Concen: 104.542 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

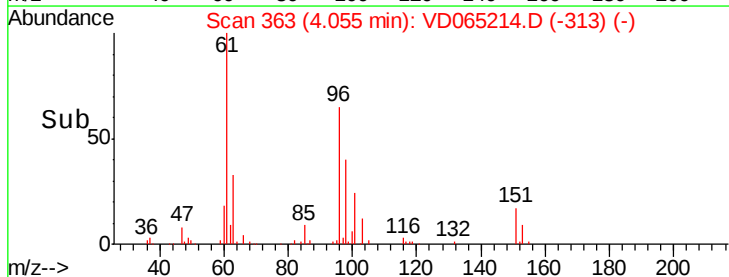
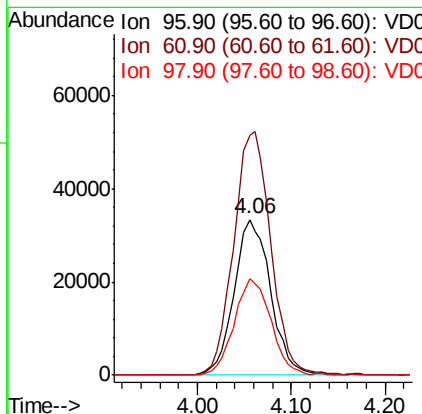
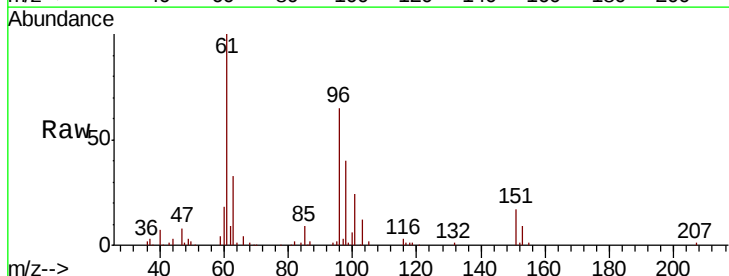
Tot Ion: 59 Resp: 26938
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.4 12.6#

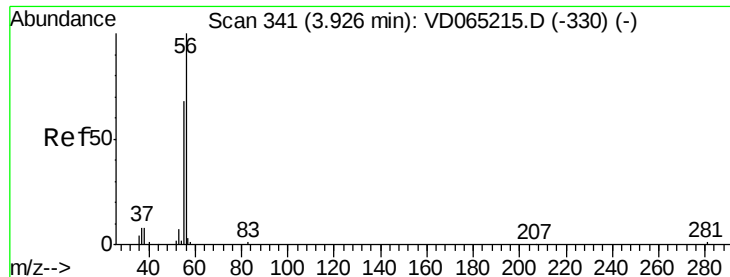


#12

1,1-Dichloroethene
 Concen: 20.159 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion: 96 Resp: 89592
 Ion Ratio Lower Upper
 96 100
 61 153.8 123.3 184.9
 98 61.6 51.0 76.4





#13

Acrolein

Concen: 115.597 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

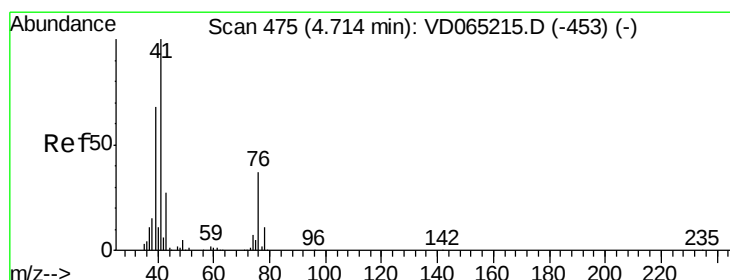
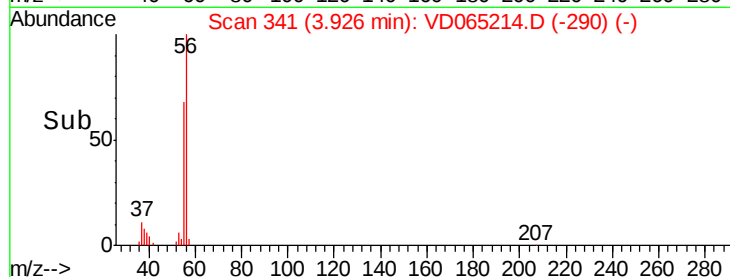
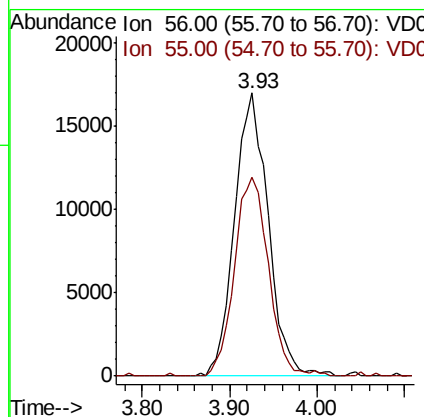
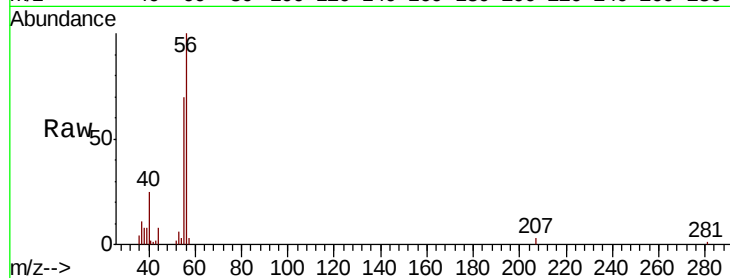
VSTDIC020

Tot Ion: 56 Resp: 44343

Ion Ratio Lower Upper

56 100

55 70.6 56.6 85.0



#14

Allyl chloride

Concen: 19.784 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

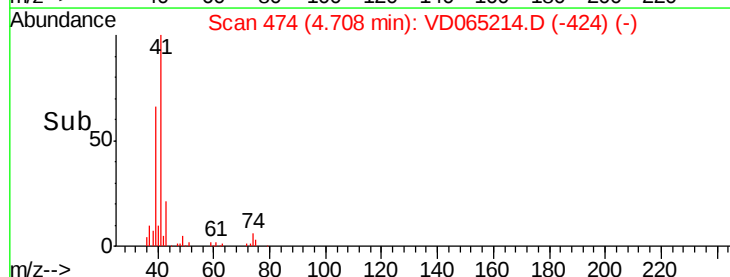
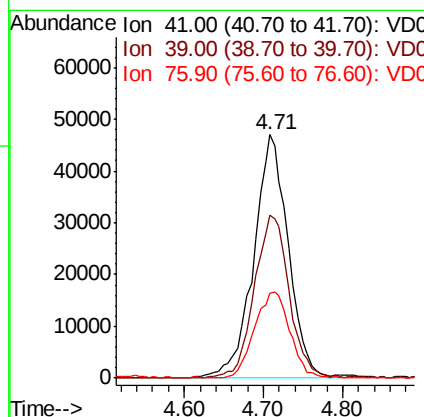
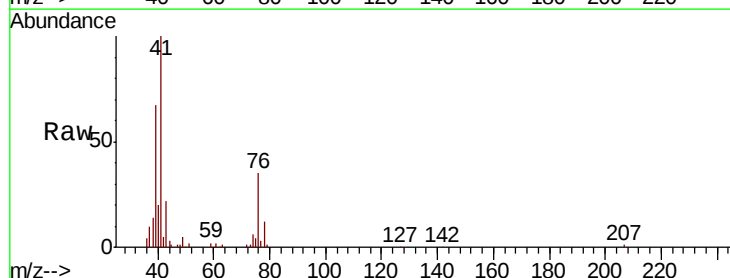
Tgt Ion: 41 Resp: 142778

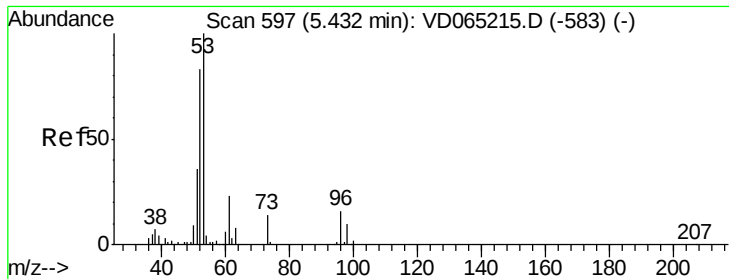
Ion Ratio Lower Upper

41 100

39 67.9 53.8 80.6

76 36.3 28.7 43.1





#15

Acrylonitrile

Concen: 101.787 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

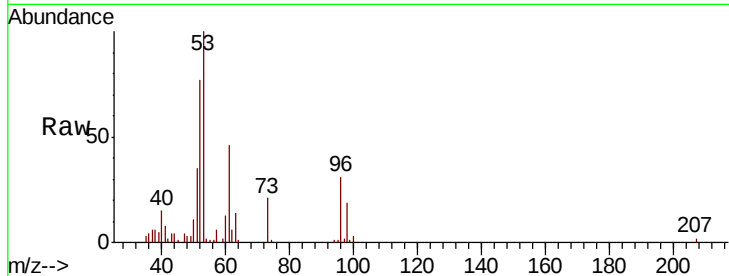
Tot Ion: 53 Resp: 101339

Ion Ratio Lower Upper

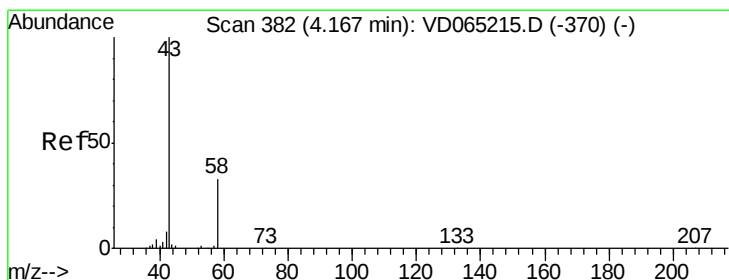
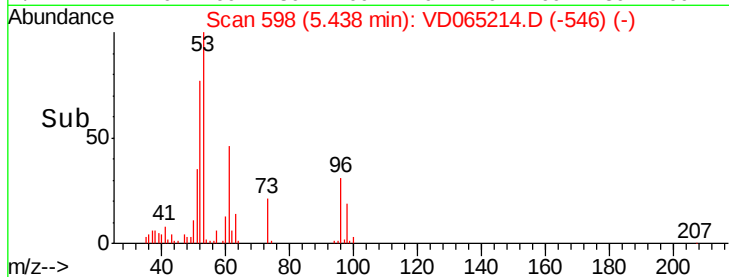
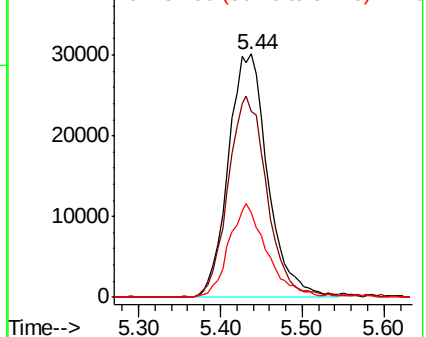
53 100

52 81.4 65.4 98.2

51 36.9 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: 88.939 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065214.D

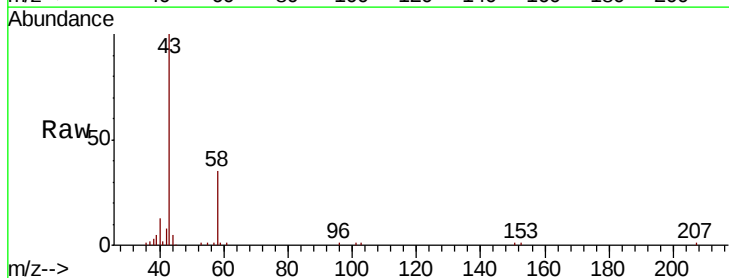
Acq: 18 Feb 2020 11:30

Tgt Ion: 43 Resp: 93750

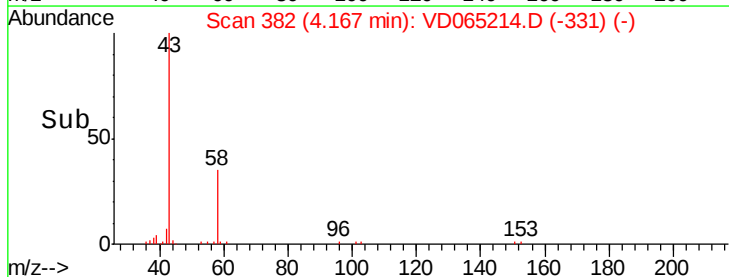
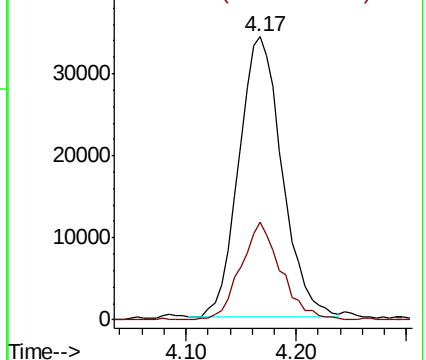
Ion Ratio Lower Upper

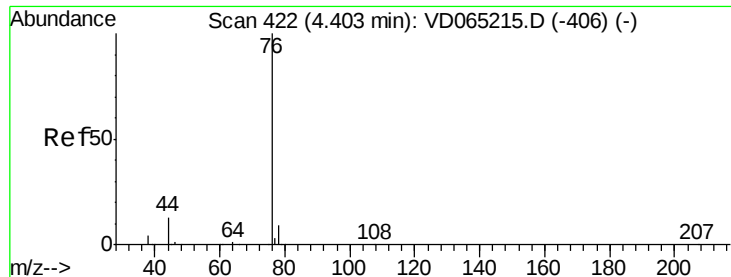
43 100

58 34.9 26.2 39.2



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

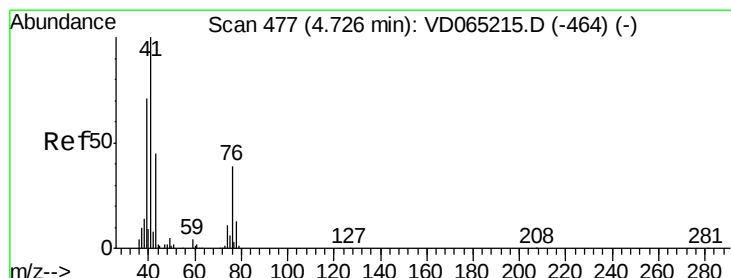
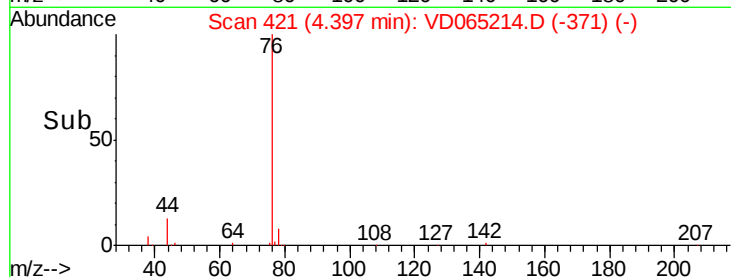
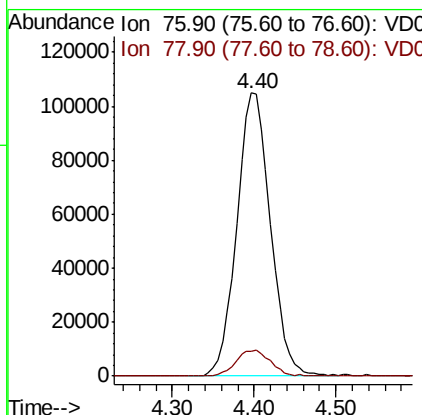
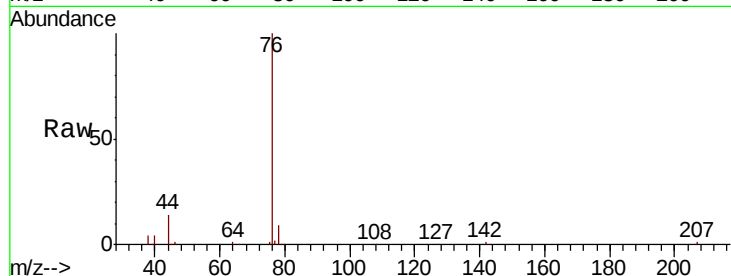




#17
Carbon Disulfide
Concen: 20.132 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

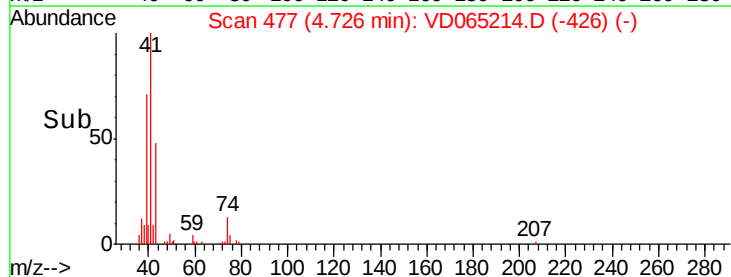
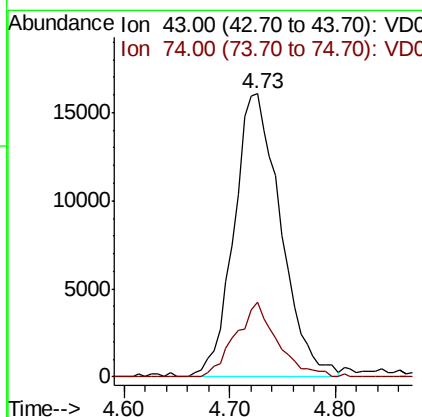
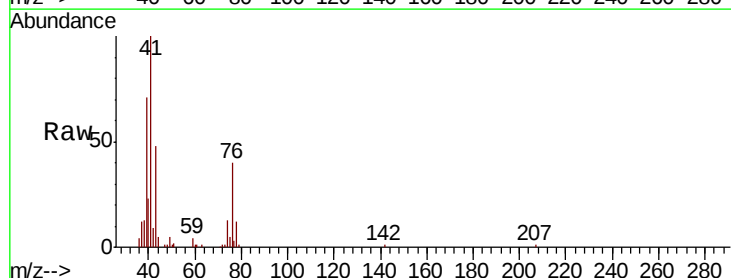
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

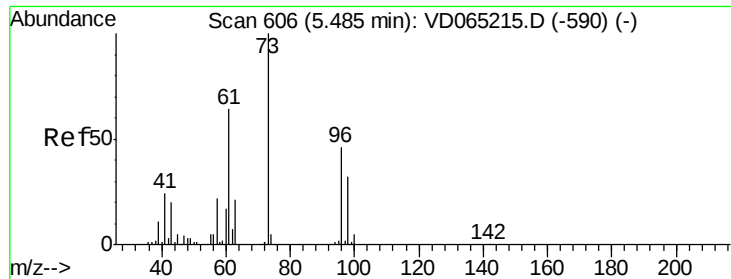
Tot Ion: 76 Resp: 299952
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 20.779 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 43 Resp: 49261
Ion Ratio Lower Upper
43 100
74 23.4 19.4 29.2



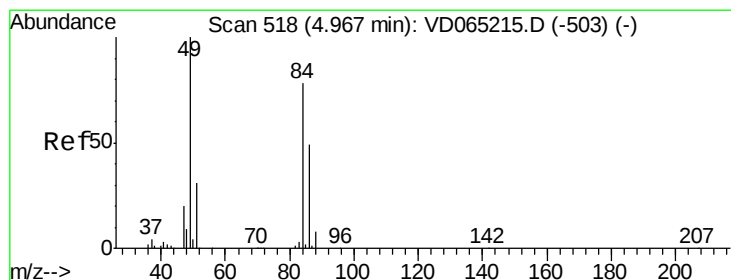
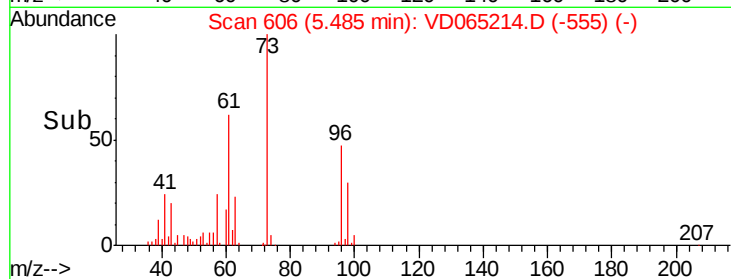
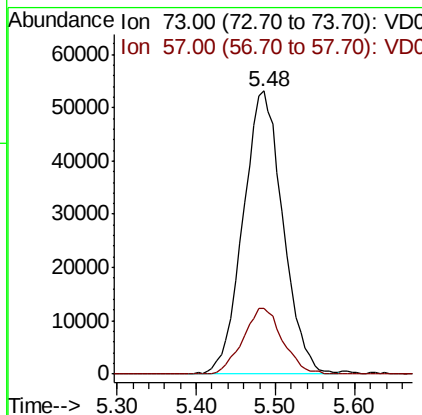
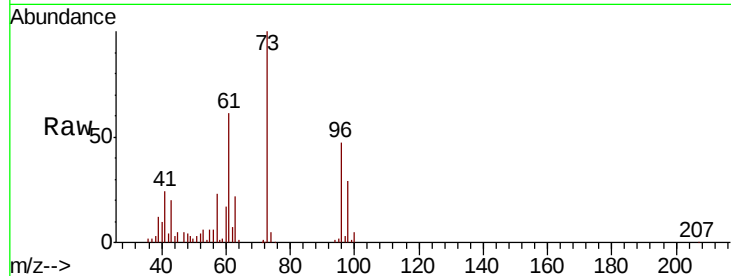


#19

Methyl tert-butyl Ether
 Concen: 20.014 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

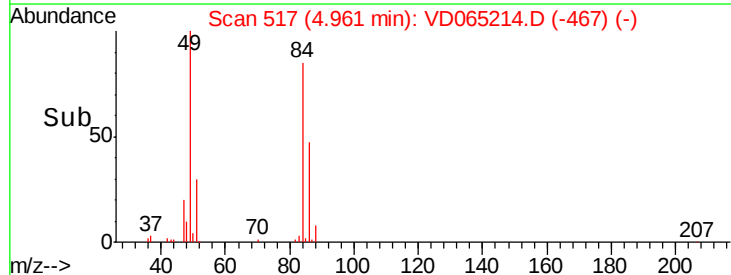
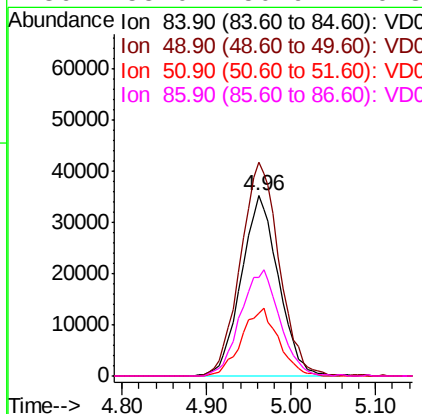
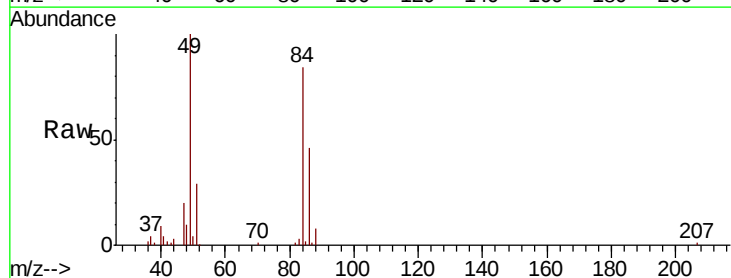
Tot Ion: 73 Resp: 185484
 Ion Ratio Lower Upper
 73 100
 57 23.4 17.3 25.9

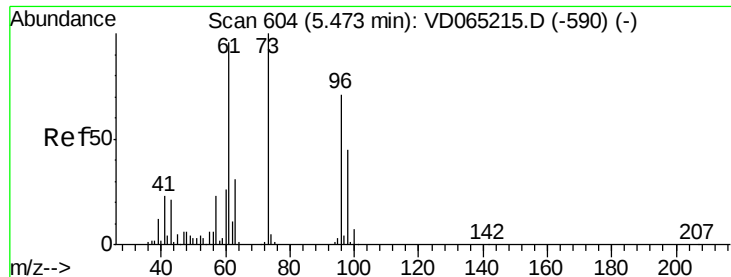


#20

Methylene Chloride
 Concen: 20.123 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion: 84 Resp: 107677
 Ion Ratio Lower Upper
 84 100
 49 118.7 103.1 154.7
 51 34.9 31.7 47.5
 86 55.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.463 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

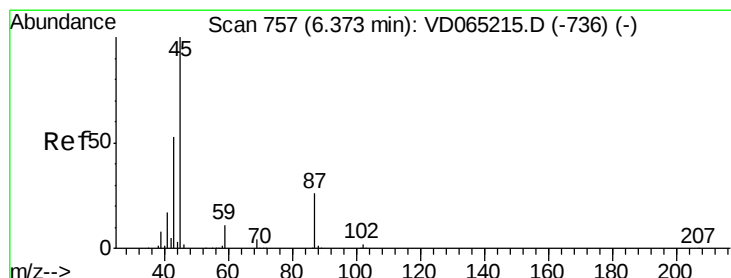
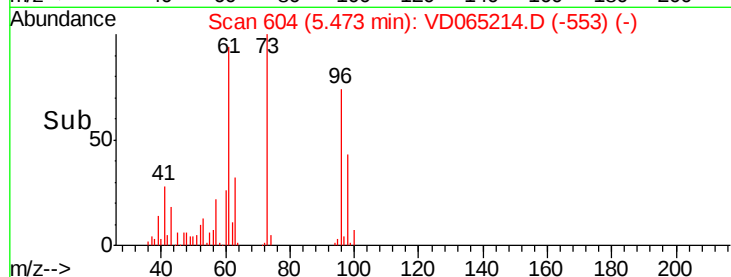
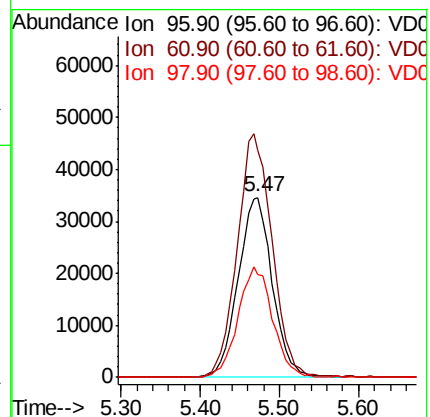
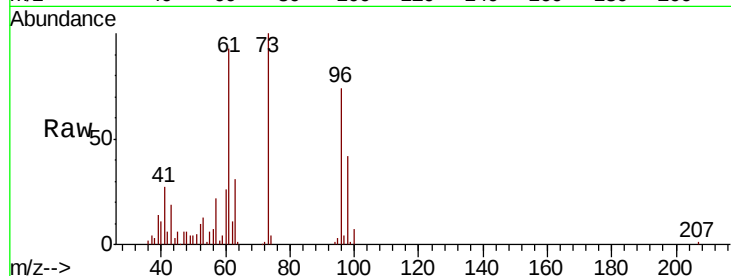
Tot Ion: 96 Resp: 103383

Ion Ratio Lower Upper

96 100

61 126.3 108.3 162.5

98 57.2 50.7 76.1



#22

Diisopropyl ether

Concen: 20.641 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion: 45 Resp: 287172

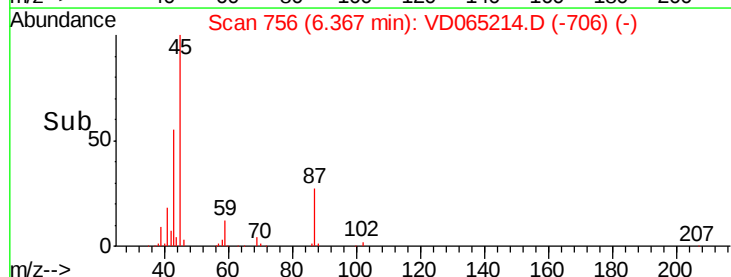
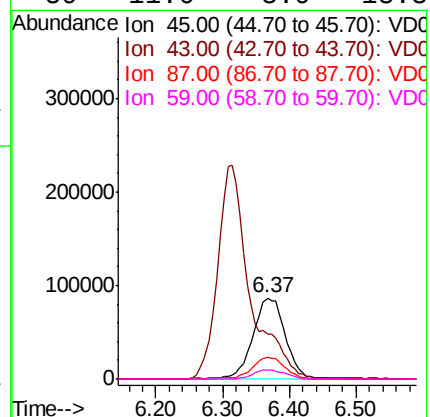
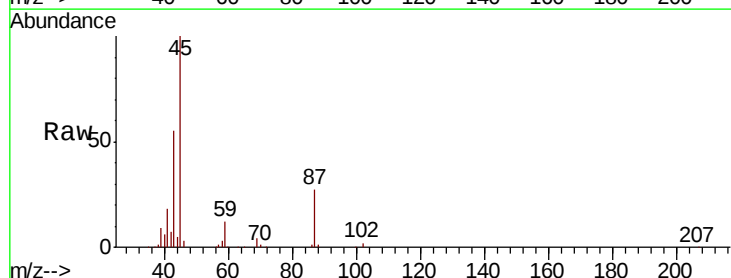
Ion Ratio Lower Upper

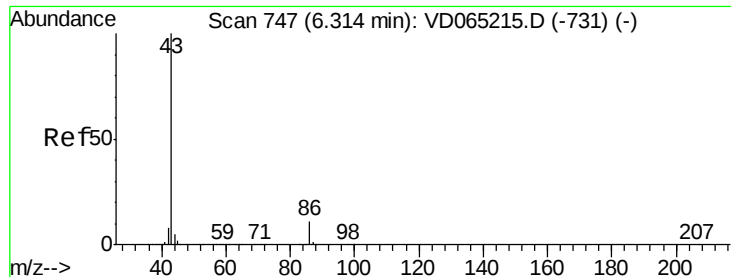
45 100

43 53.8 42.6 64.0

87 27.0 21.2 31.8

59 11.6 8.9 13.3





#23

Vinyl Acetate

Concen: 101.490 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

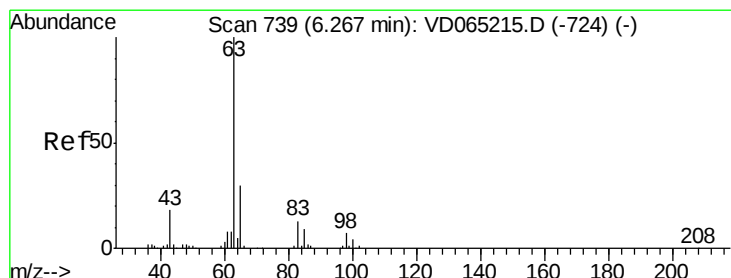
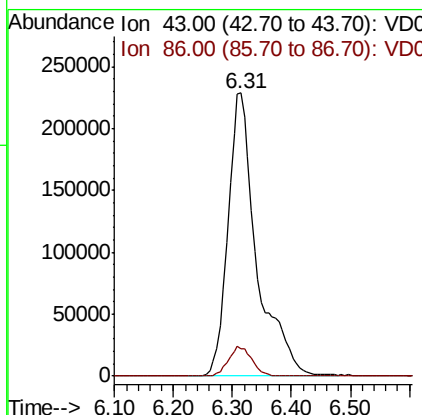
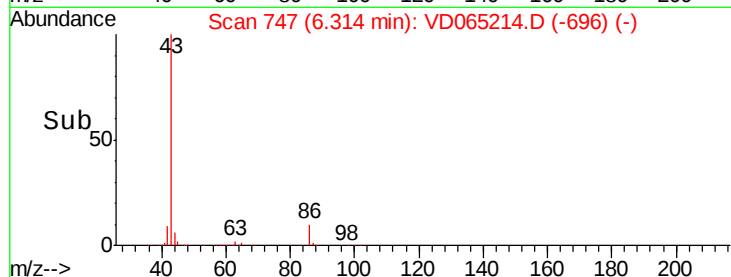
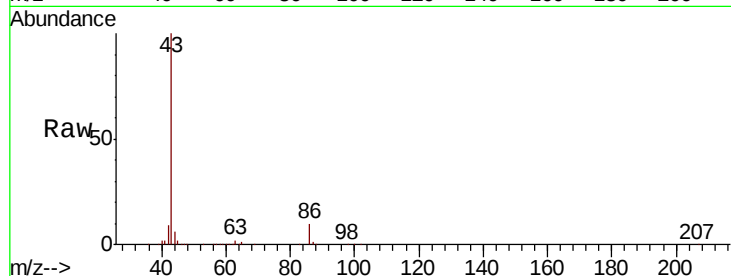
VSTDIC020

Tot Ion: 43 Resp: 778421

Ion Ratio Lower Upper

43 100

86 9.6 8.6 12.8



#24

1,1-Dichloroethane

Concen: 20.119 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

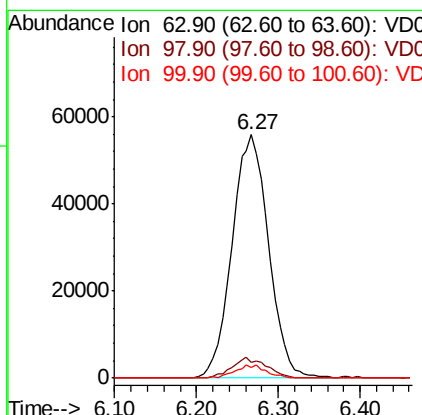
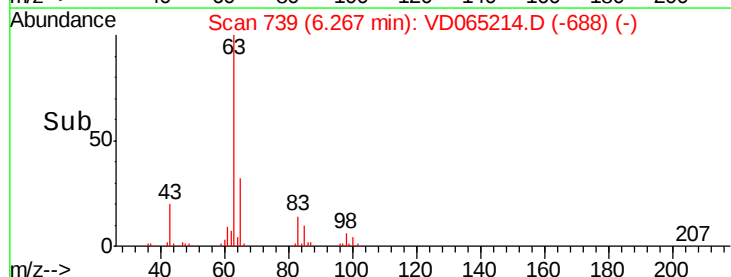
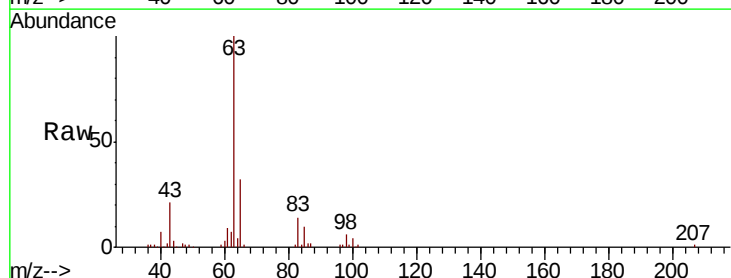
Tgt Ion: 63 Resp: 173613

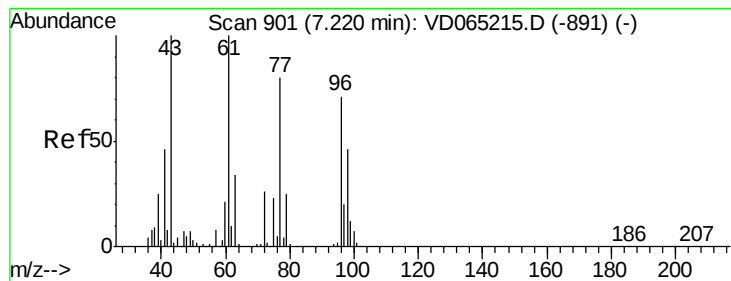
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.3 2.3 6.8





#25

2-Butanone

Concen: 96.262 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

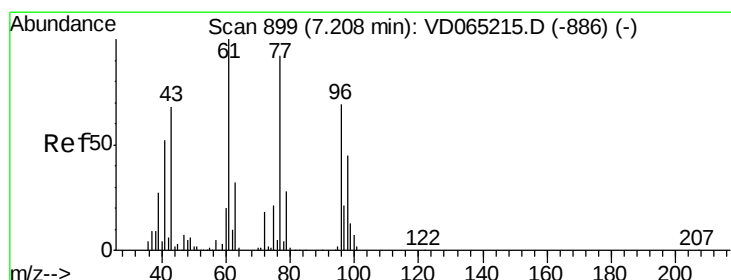
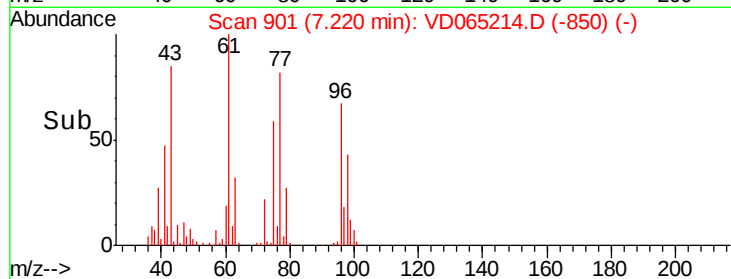
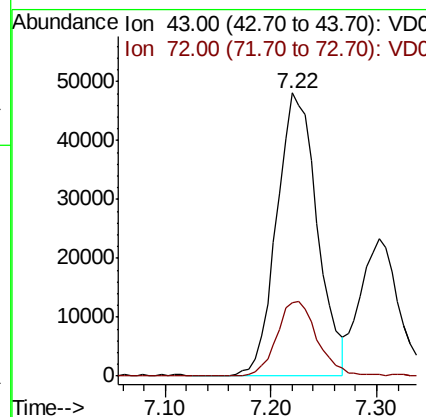
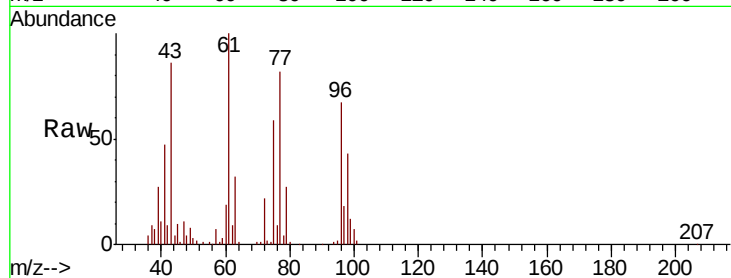
VSTDIC020

Tot Ion: 43 Resp: 128381

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.173 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065214.D

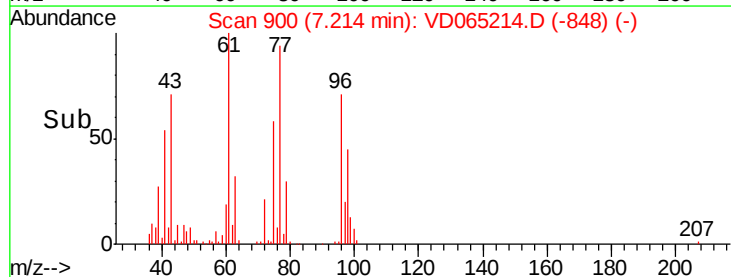
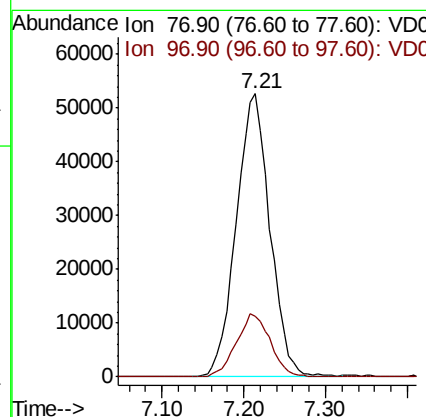
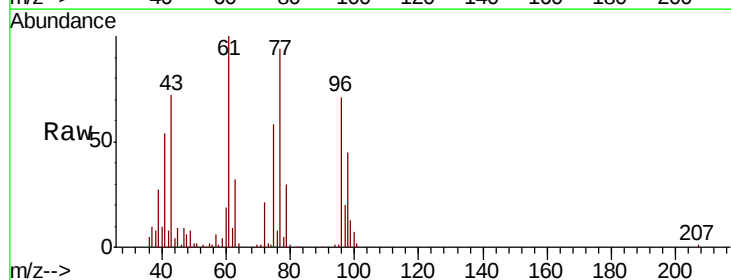
Acq: 18 Feb 2020 11:30

Tgt Ion: 77 Resp: 151040

Ion Ratio Lower Upper

77 100

97 22.5 11.7 35.1



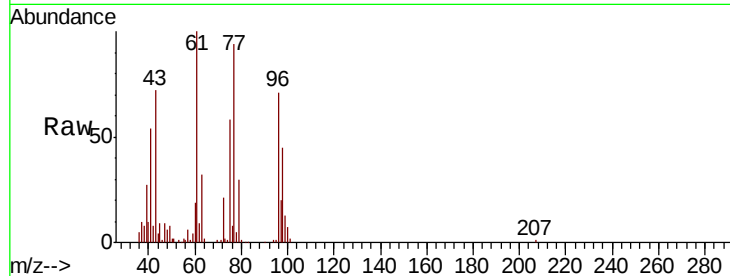


#27

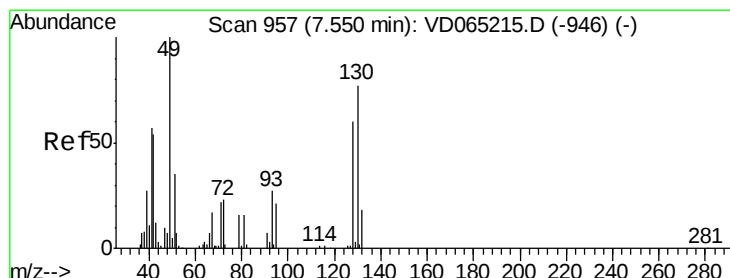
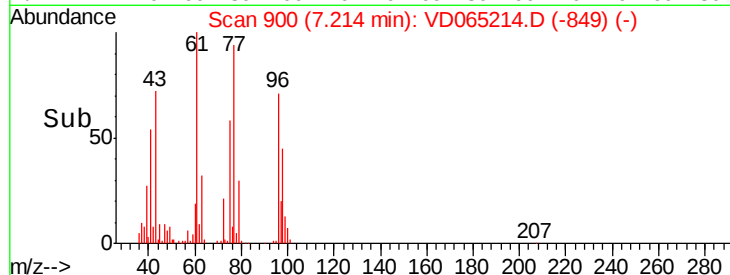
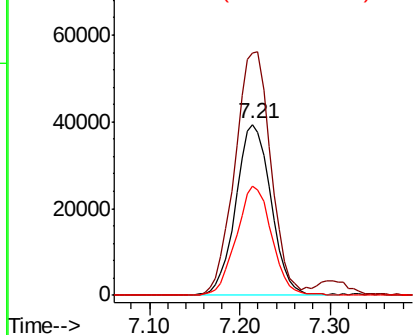
cis-1,2-Dichloroethene
 Concen: 19.942 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 106722
 Ion Ratio Lower Upper
 96 100
 61 146.2 0.0 286.0
 98 64.0 0.0 127.8



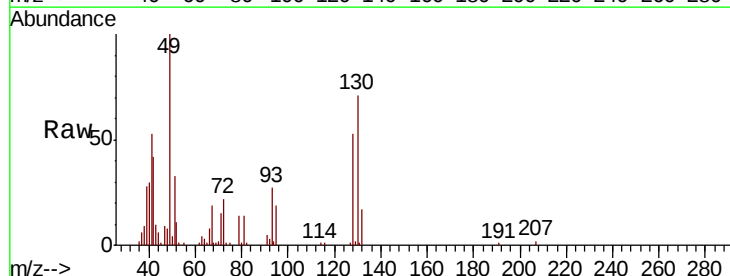
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



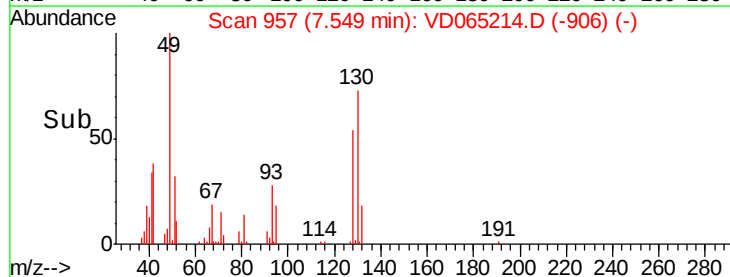
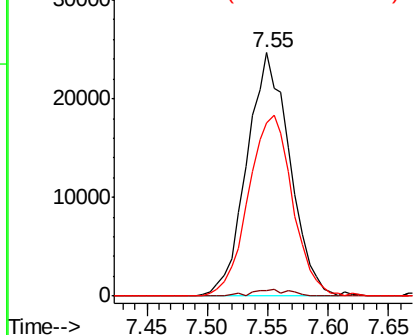
#28

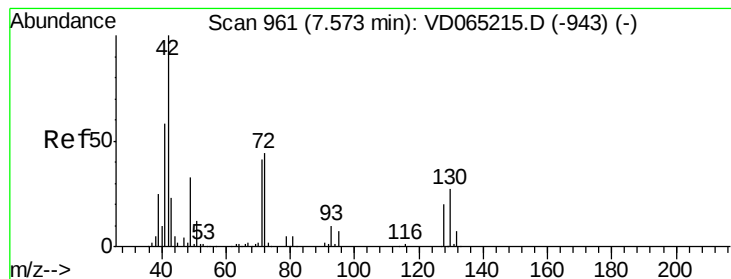
Bromochloromethane
 Concen: 19.058 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion: 49 Resp: 61014
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.6
 130 76.5 64.7 97.1



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





#29

Tetrahydrofuran

Concen: 101.648 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

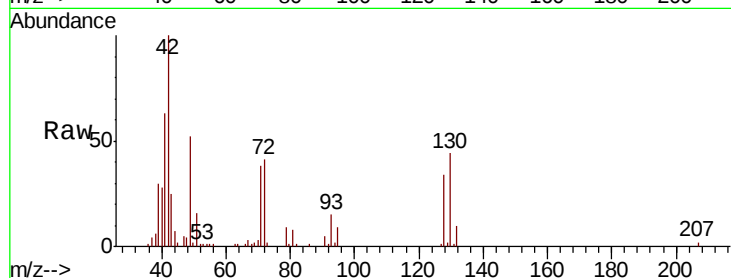
Tot Ion: 42 Resp: 79430

Ion Ratio Lower Upper

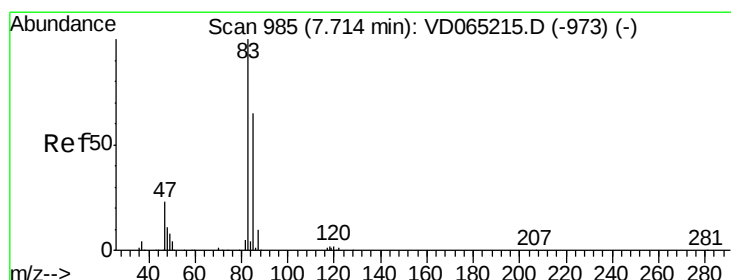
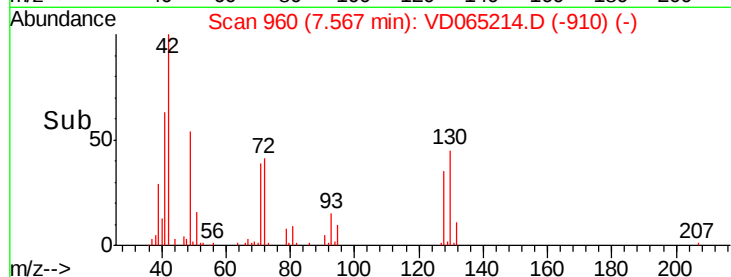
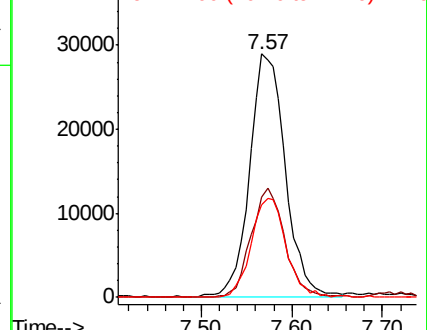
42 100

72 42.3 33.7 50.5

71 39.5 31.4 47.2



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



#30

Chloroform

Concen: 20.417 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065214.D

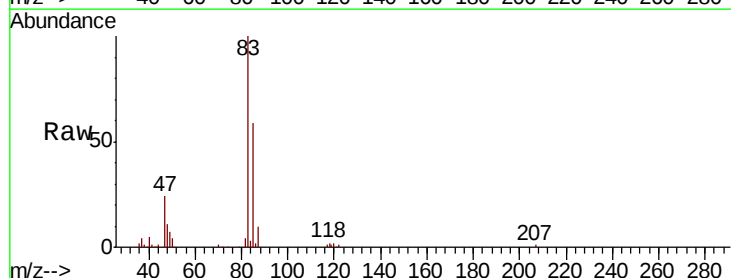
Acq: 18 Feb 2020 11:30

Tgt Ion: 83 Resp: 177505

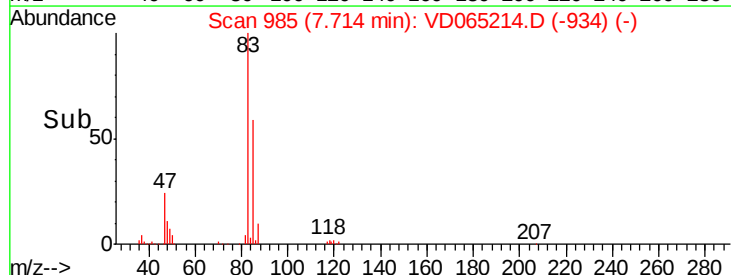
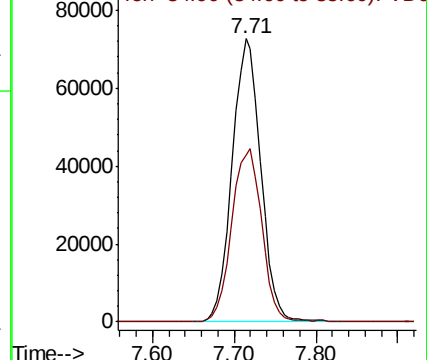
Ion Ratio Lower Upper

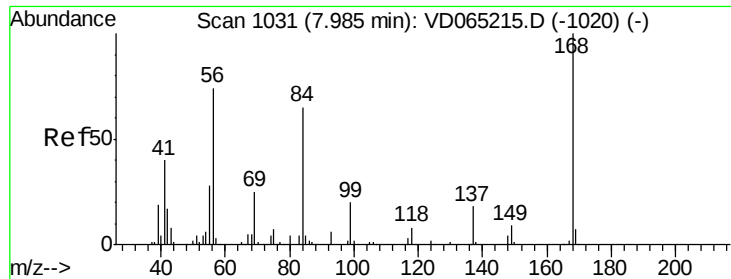
83 100

85 59.1 52.3 78.5



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

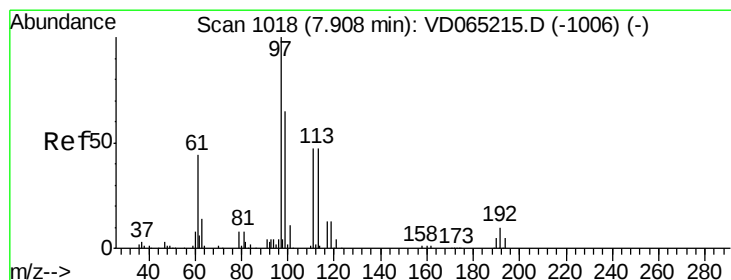
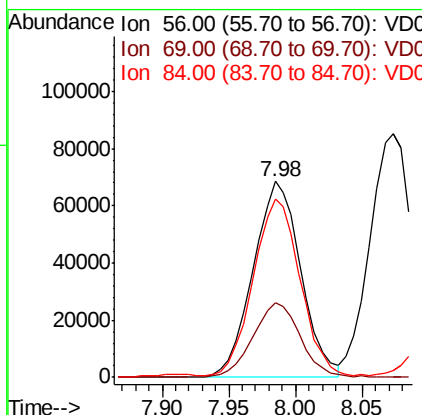
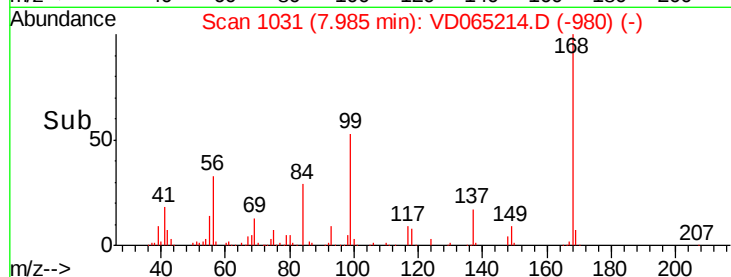
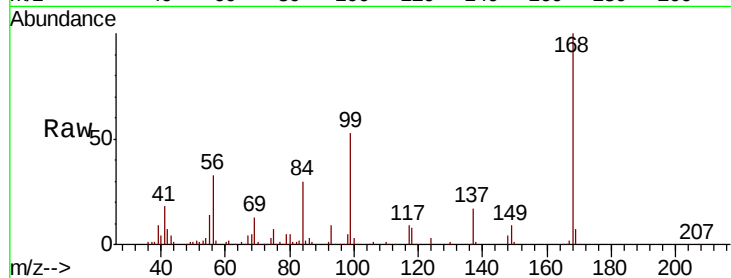




#31
Cyclohexane
Concen: 20.065 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

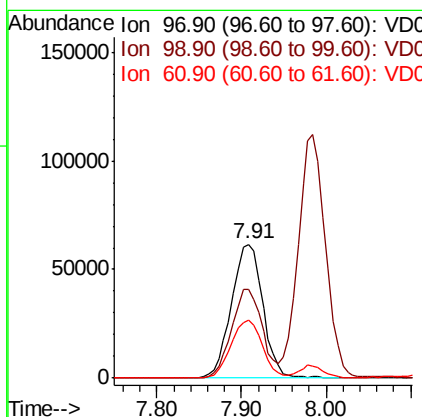
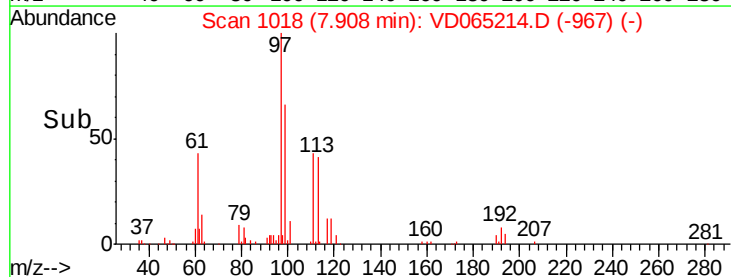
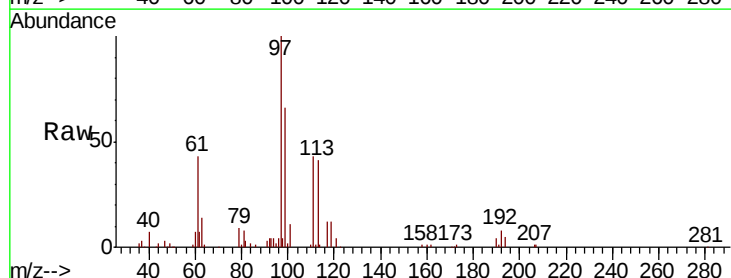
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 170127
Ion Ratio Lower Upper
56 100
69 38.4 27.4 41.0
84 89.7 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 20.372 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 97 Resp: 158466
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 43.1 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 19.239 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

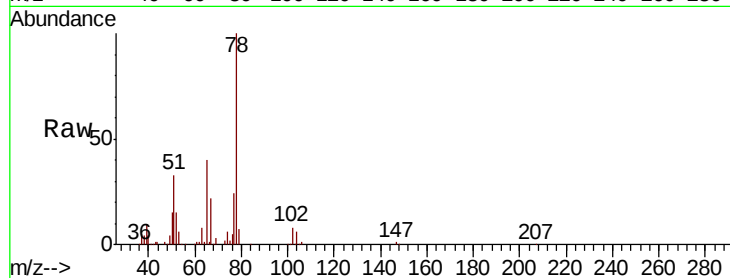
VSTDIC020

Tot Ion: 65 Resp: 82960

Ion Ratio Lower Upper

65 100

67 54.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

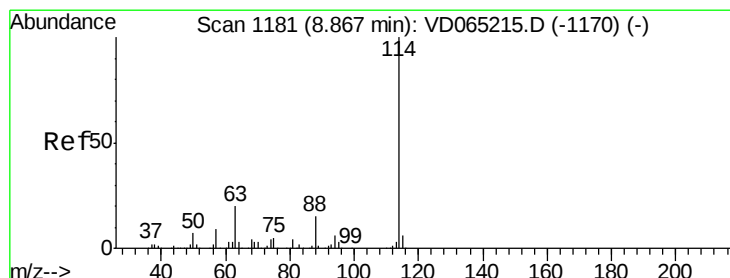
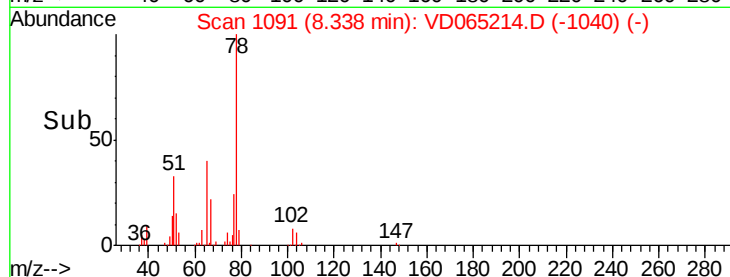
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

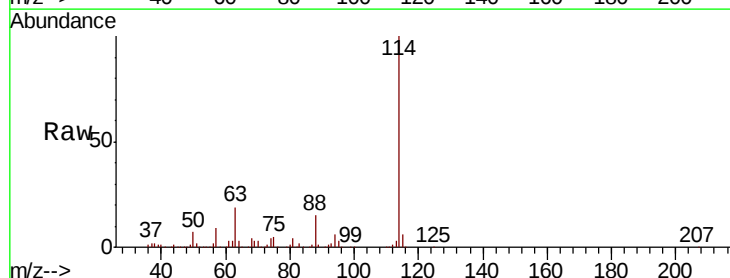
Tgt Ion: 114 Resp: 720749

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

88 15.0 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

8.87

400000

300000

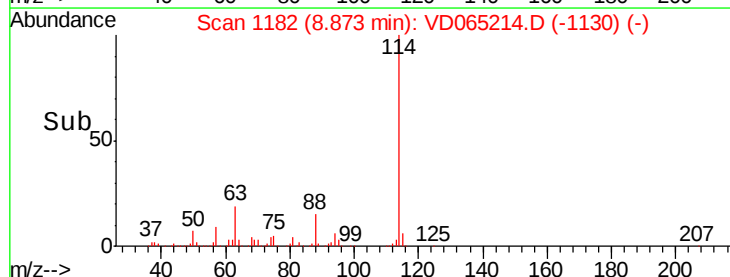
200000

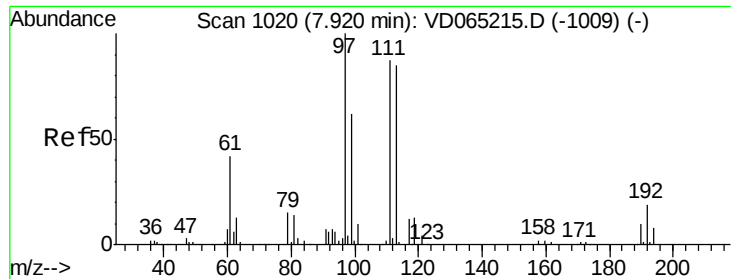
100000

0

8.80 8.90 9.00

Time-->

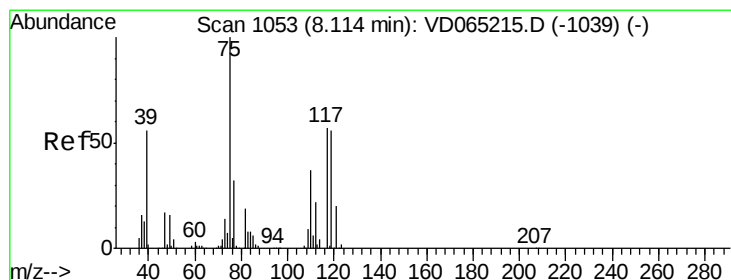
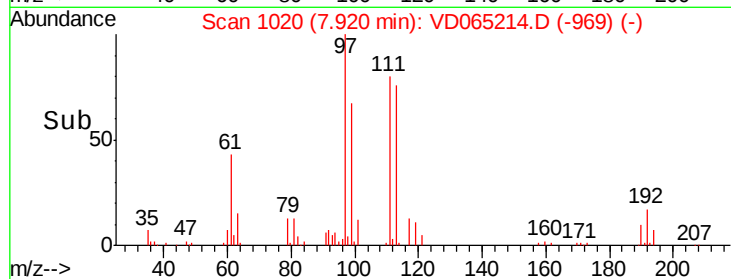
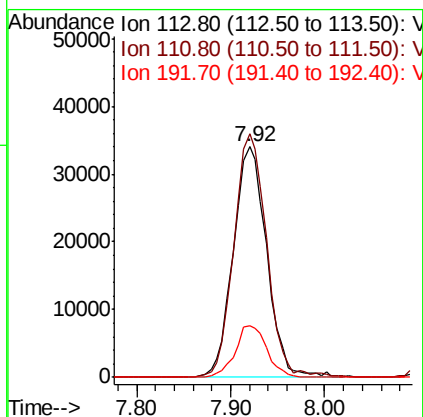
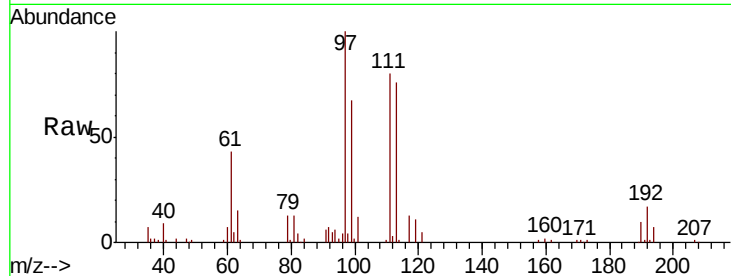




#35
Dibromofluoromethane
Concen: 19.157 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

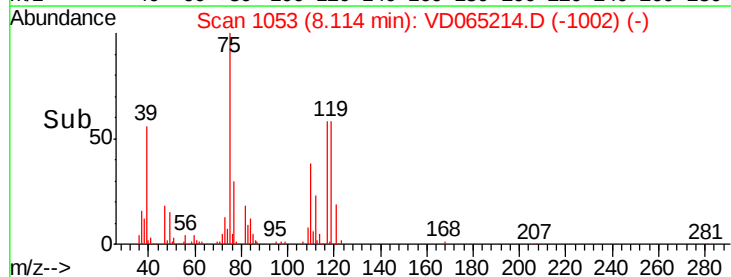
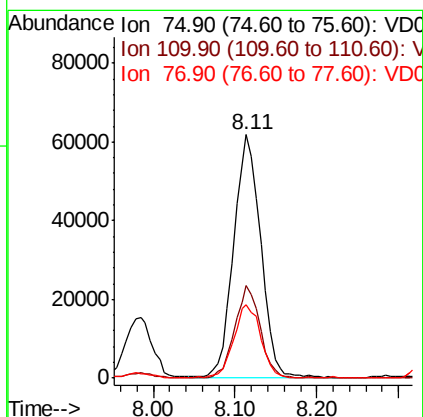
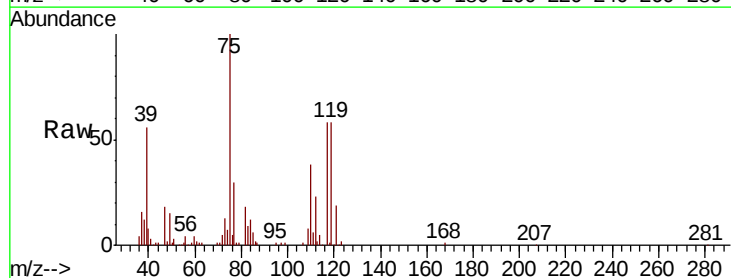
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

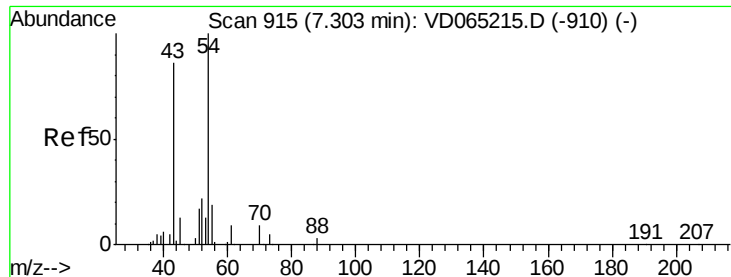
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.0	17.3	25.9



#36
1,1-Dichloropropene
Concen: 20.471 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.9	53.7
77	30.2	25.1	37.7

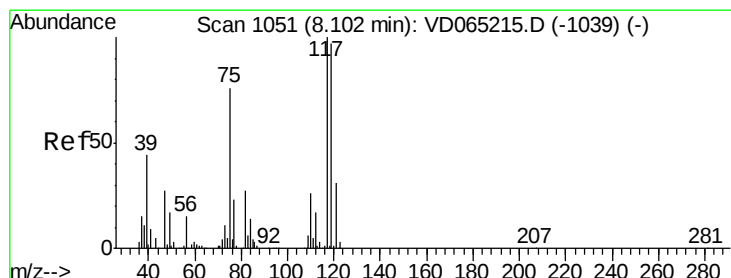
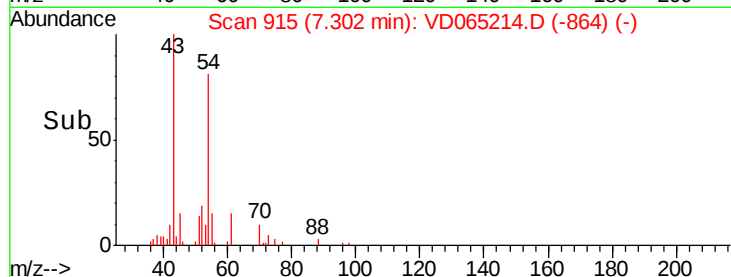
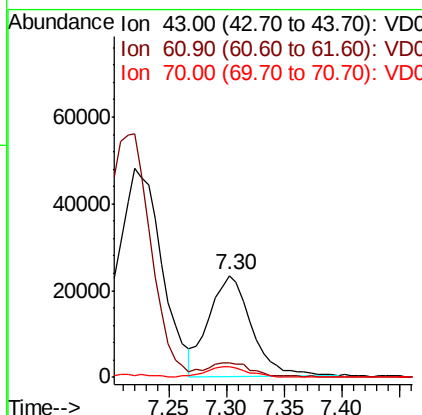
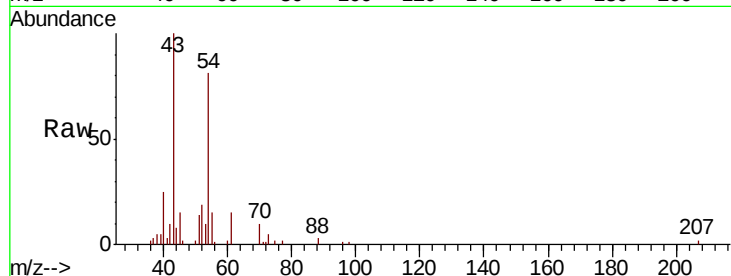




#37
Ethyl Acetate
Concen: 20.436 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

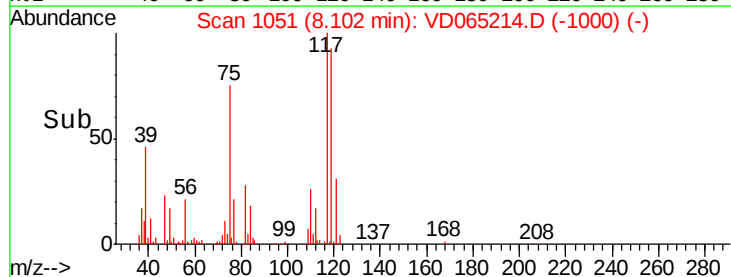
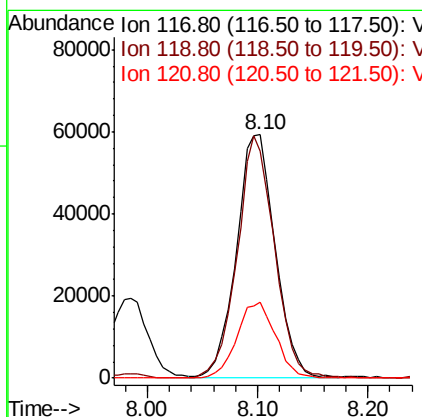
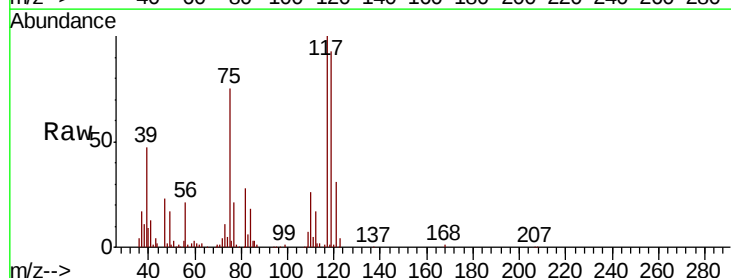
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

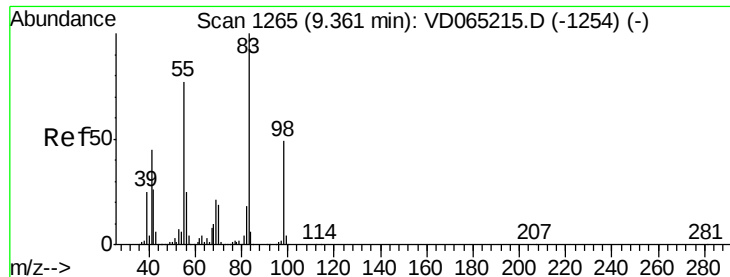
Tot Ion: 43 Resp: 59913
Ion Ratio Lower Upper
43 100
61 14.2 11.2 16.8
70 10.4 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.318 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 117 Resp: 145051
Ion Ratio Lower Upper
117 100
119 93.5 77.6 116.4
121 31.2 24.8 37.2

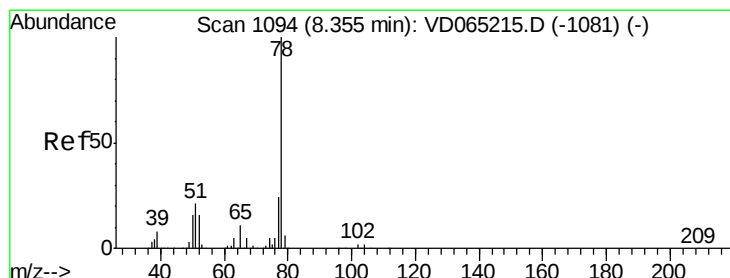
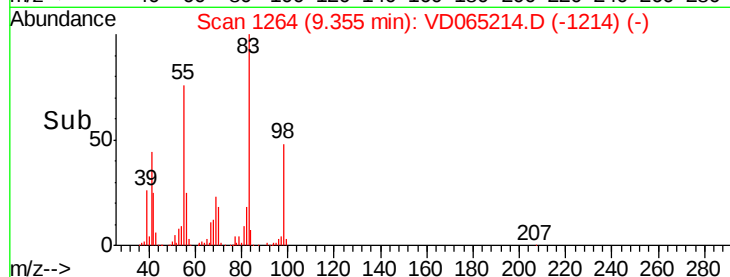
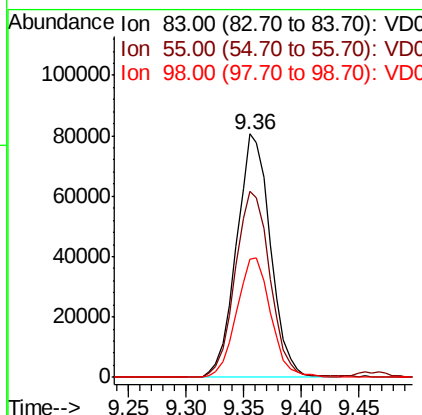
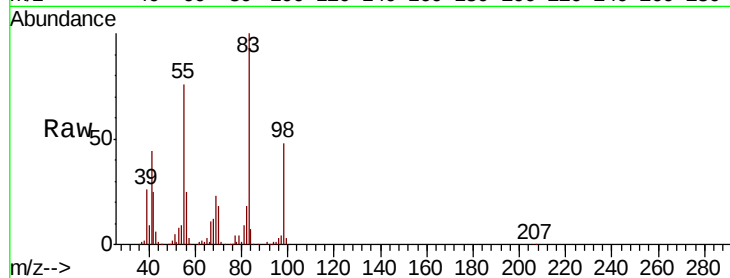




#39
Methvlcvclohexane
Concen: 19.950 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

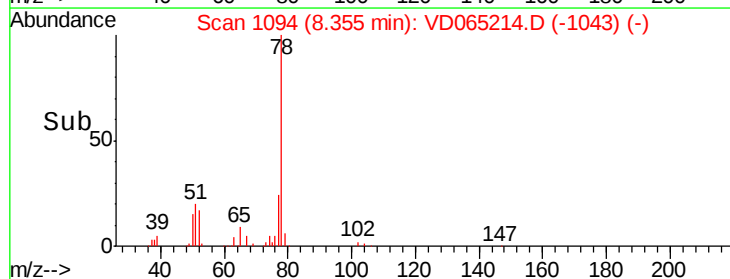
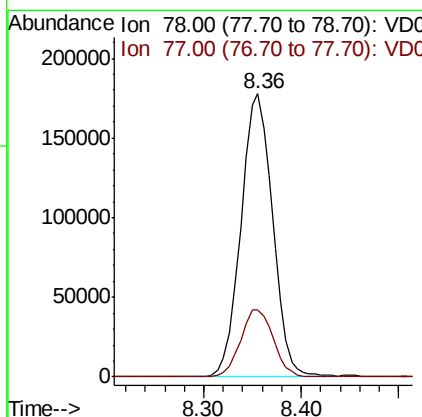
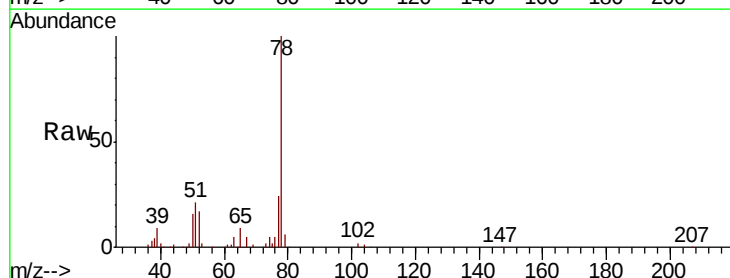
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

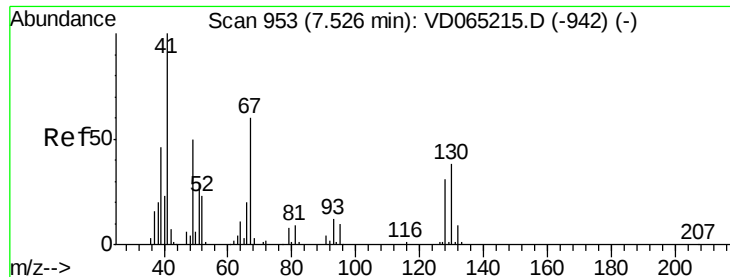
Tot Ion: 83 Resp: 164479
Ion Ratio Lower Upper
83 100
55 76.3 61.8 92.6
98 48.4 39.4 59.0



#40
Benzene
Concen: 20.295 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 78 Resp: 401731
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

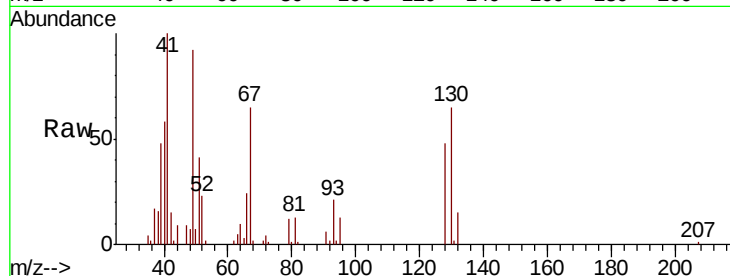




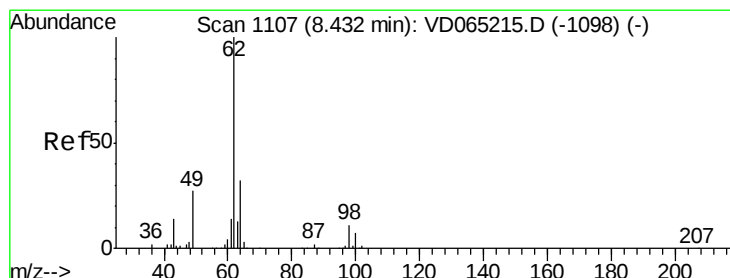
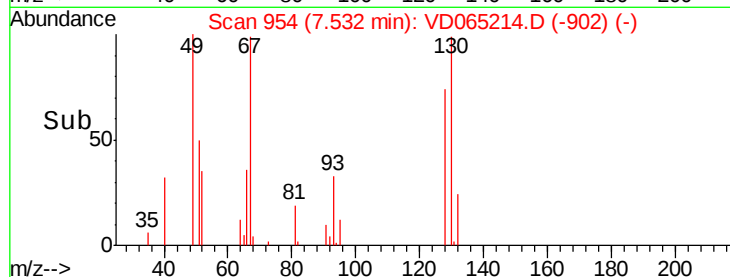
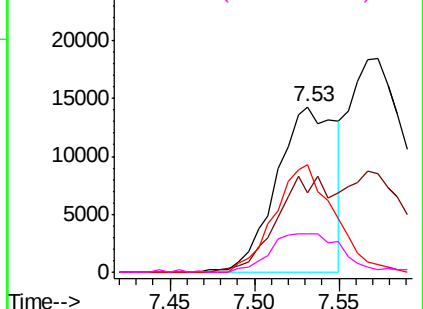
#41
Methacrylonitrile
Concen: 20.569 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	34818
Ion	Ratio	Lower	Upper
41	100		
39	49.0	48.1	72.1
67	65.4	58.9	88.3
52	28.2	24.2	36.2

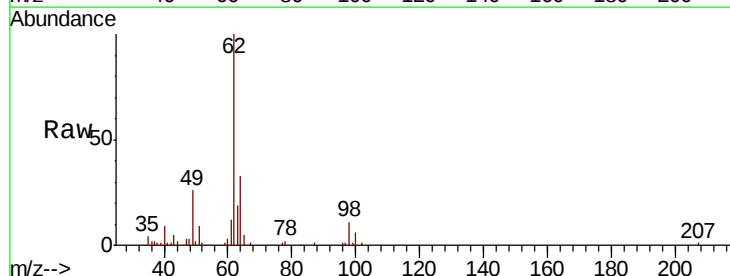


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

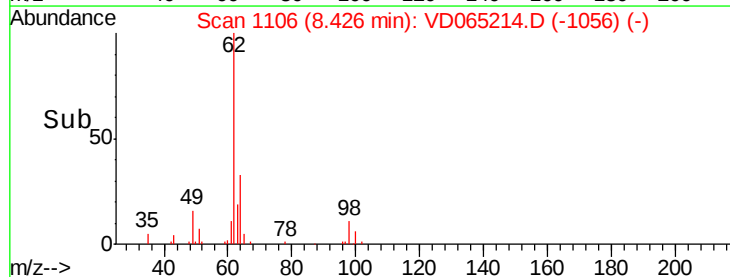
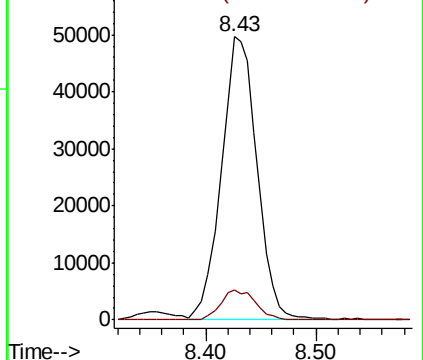


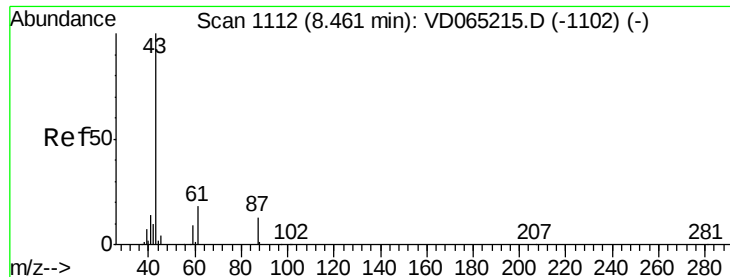
#42
1,2-Dichloroethane
Concen: 20.367 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion:	62	Resp:	110835
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.776 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

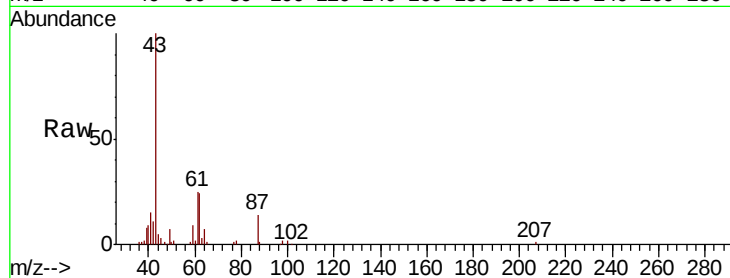
Tot Ion: 43 Resp: 105431

Ion Ratio Lower Upper

43 100

61 32.1 24.6 36.8

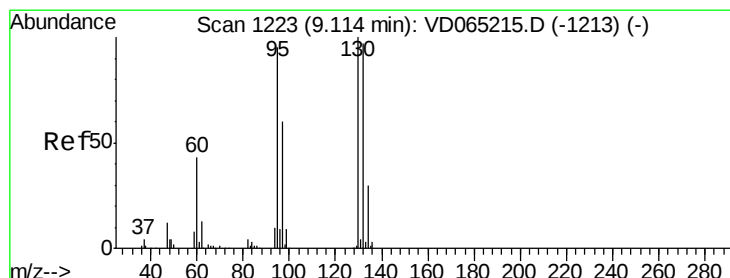
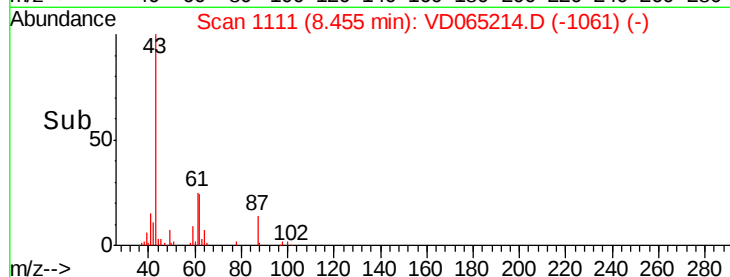
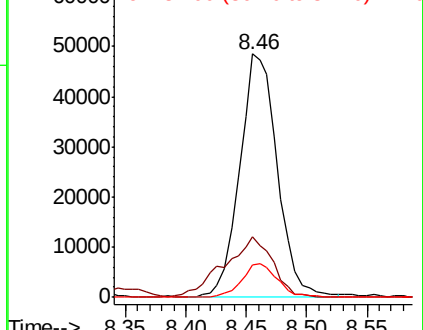
87 13.3 10.6 16.0



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: 19.600 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065214.D

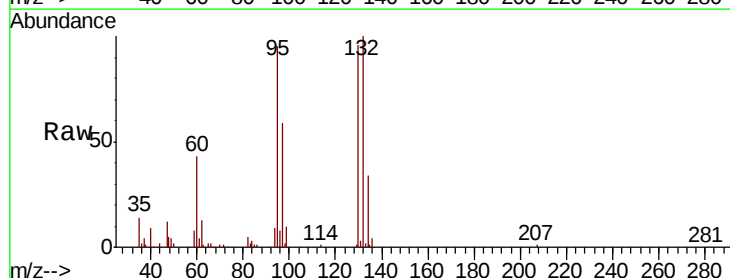
Acq: 18 Feb 2020 11:30

Tgt Ion:130 Resp: 107546

Ion Ratio Lower Upper

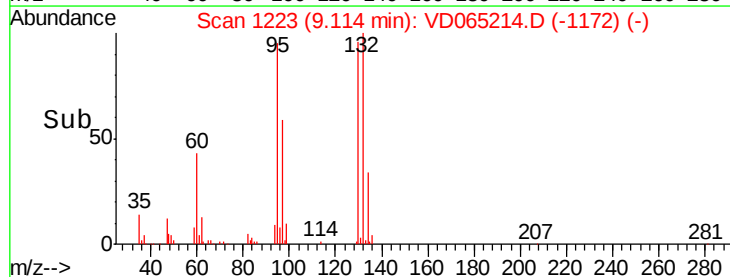
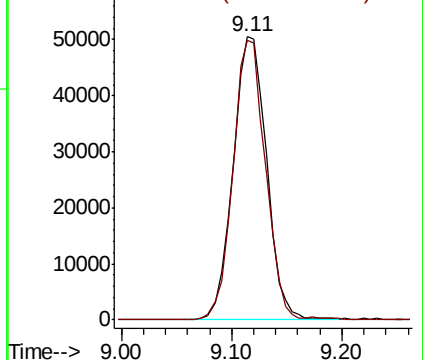
130 100

95 98.7 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.830 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

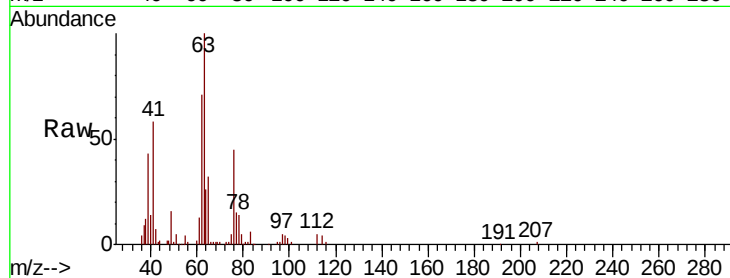
VSTDIC020

Tot Ion: 63 Resp: 97604

Ion Ratio Lower Upper

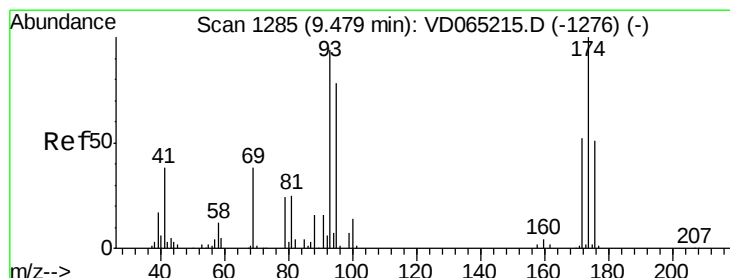
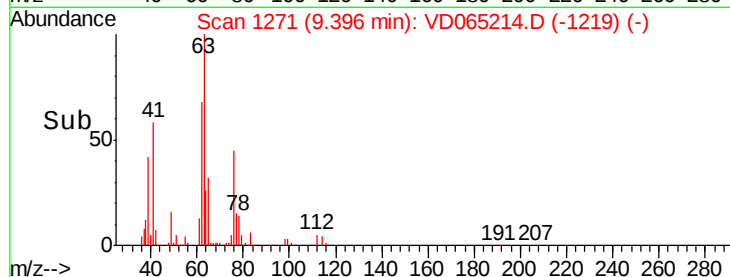
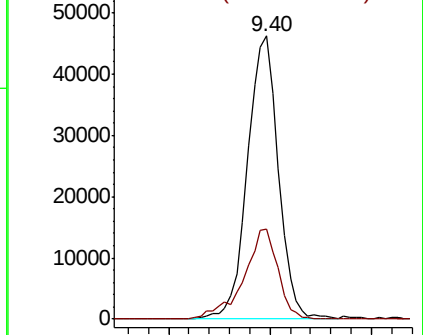
63 100

65 31.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.221 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

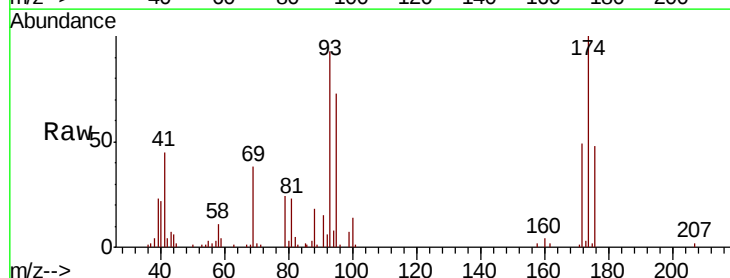
Tgt Ion: 93 Resp: 51210

Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.6

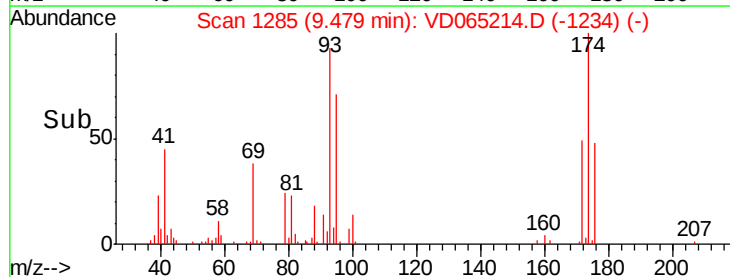
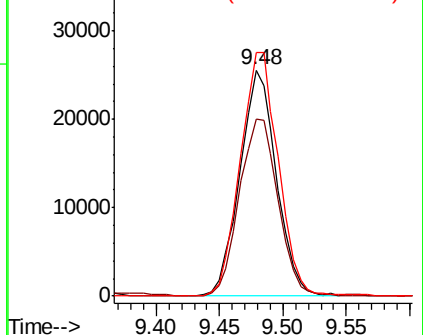
174 111.9 86.8 130.2

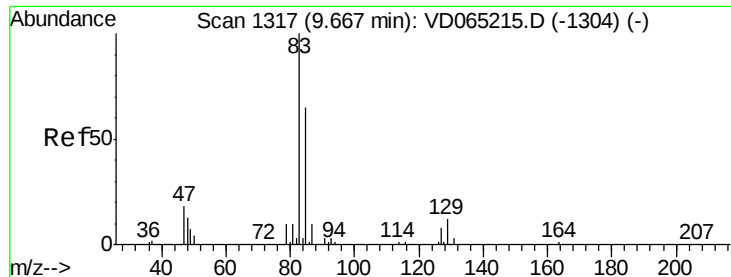


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.017 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

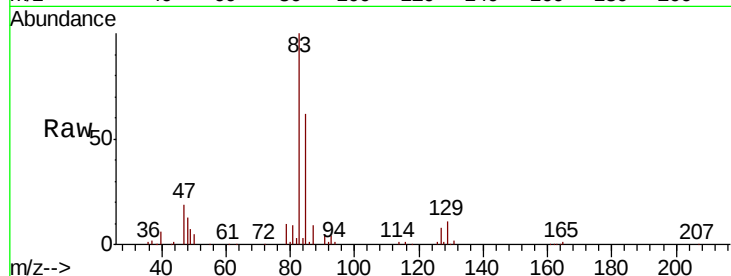
Tot Ion: 83 Resp: 133592

Ion Ratio Lower Upper

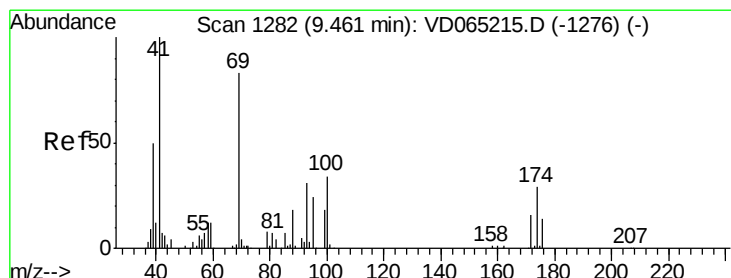
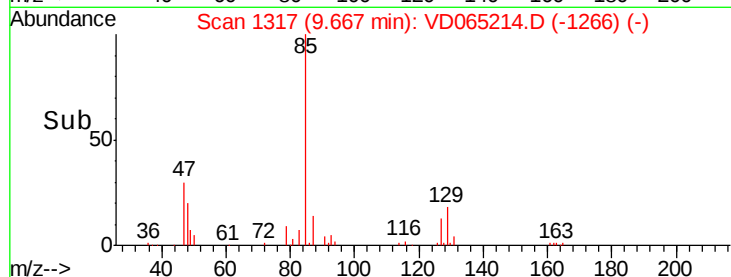
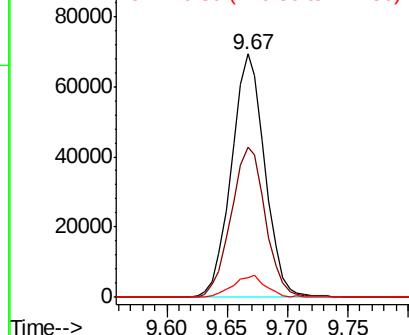
83 100

85 61.7 52.0 78.0

127 8.0 6.7 10.1



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



#48

Methyl methacrylate

Concen: 19.941 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

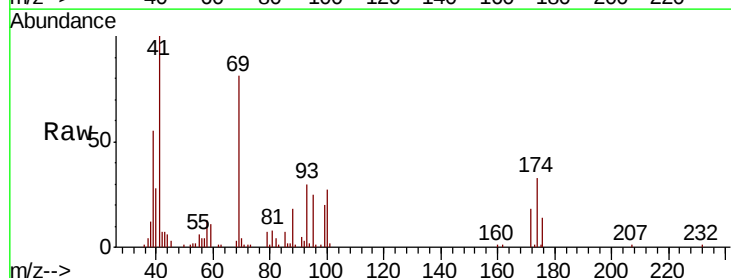
Tgt Ion: 41 Resp: 49141

Ion Ratio Lower Upper

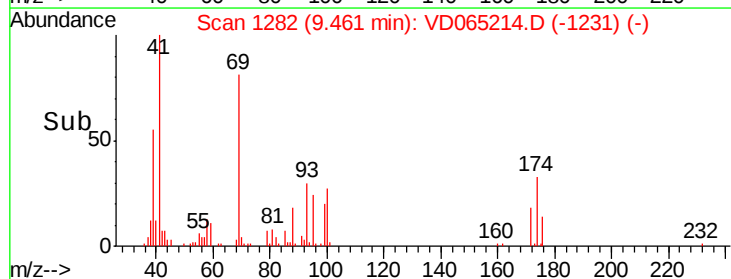
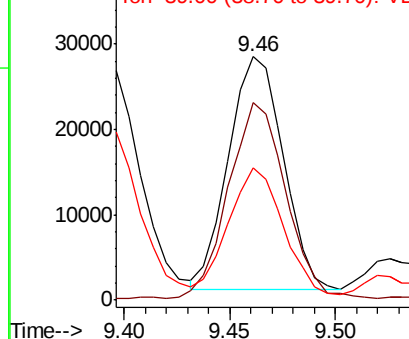
41 100

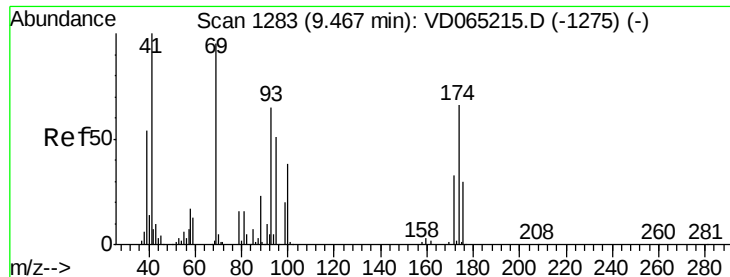
69 87.9 68.2 102.2

39 53.0 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: 417.202 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

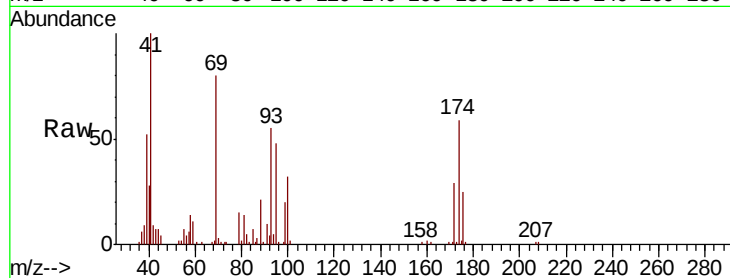
Tot Ion: 88 Resp: 12392

Ion Ratio Lower Upper

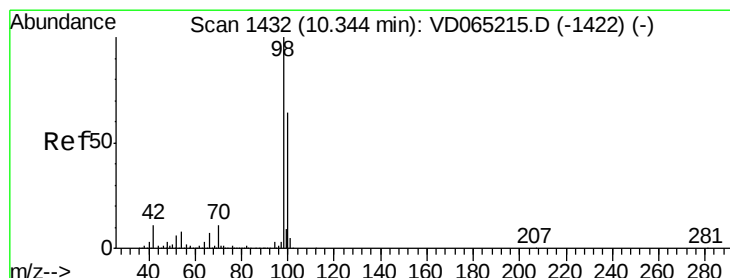
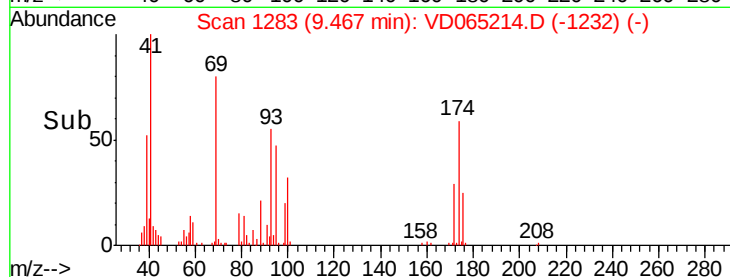
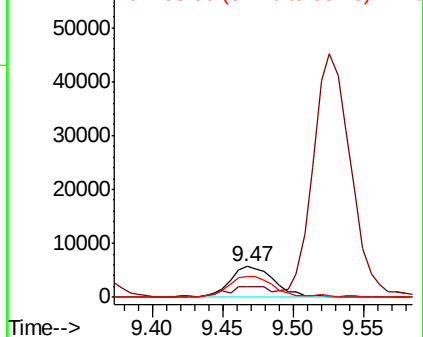
88 100

43 30.6 28.5 42.7

58 70.5 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: 19.507 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065214.D

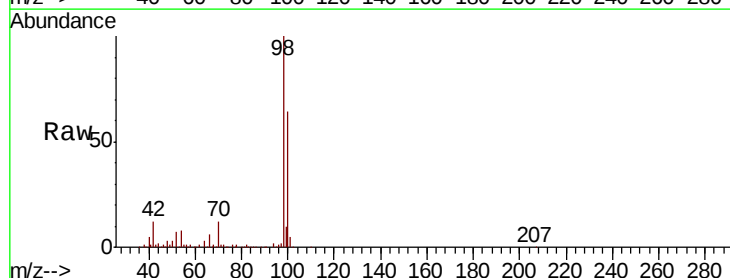
Acq: 18 Feb 2020 11:30

Tgt Ion: 98 Resp: 327725

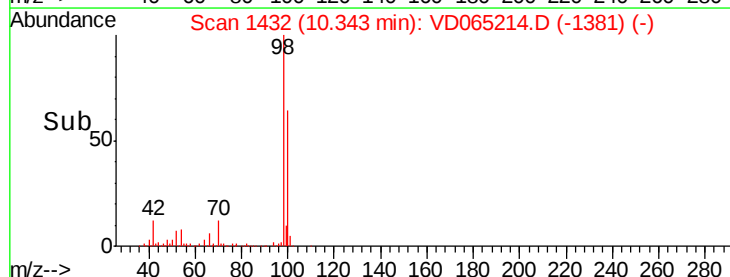
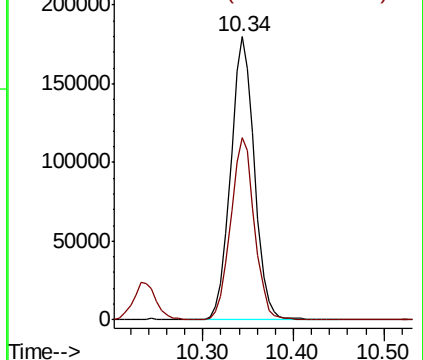
Ion Ratio Lower Upper

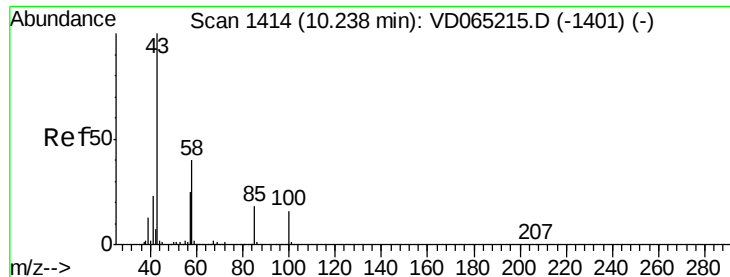
98 100

100 64.7 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: 101.640 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

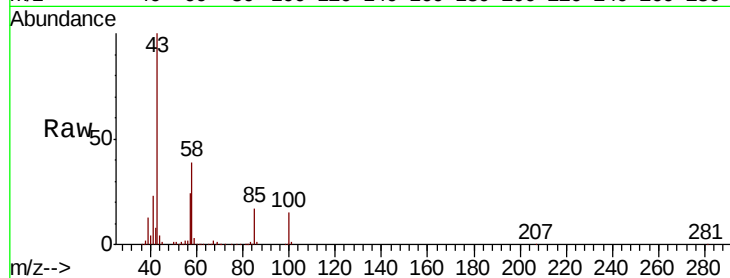
VSTDIC020

Tot Ion: 43 Resp: 275223

Ion Ratio Lower Upper

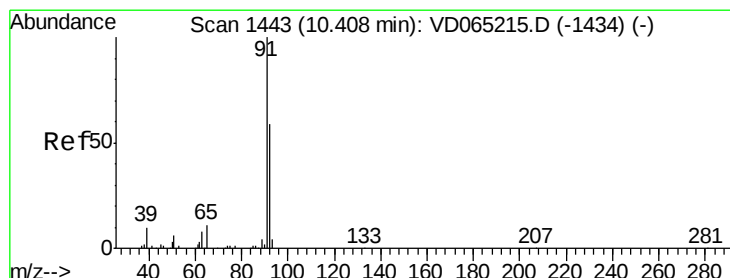
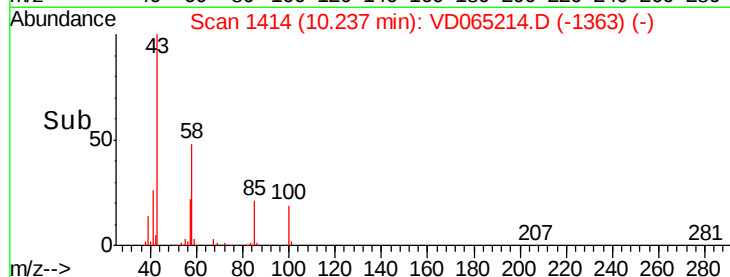
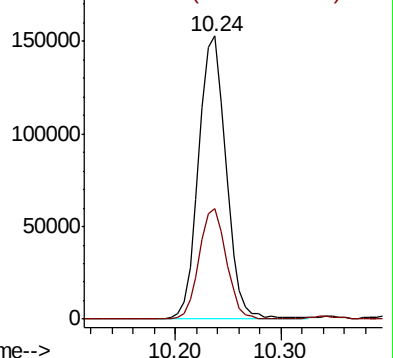
43 100

58 38.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.518 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065214.D

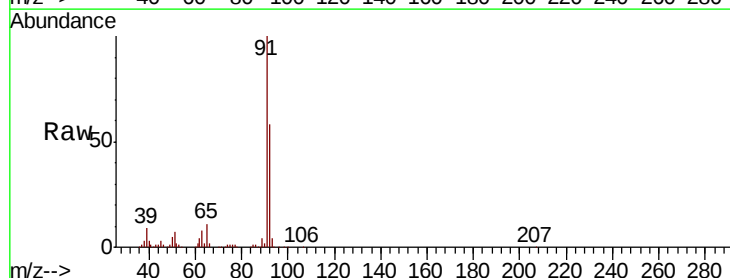
Acq: 18 Feb 2020 11:30

Tgt Ion: 92 Resp: 251393

Ion Ratio Lower Upper

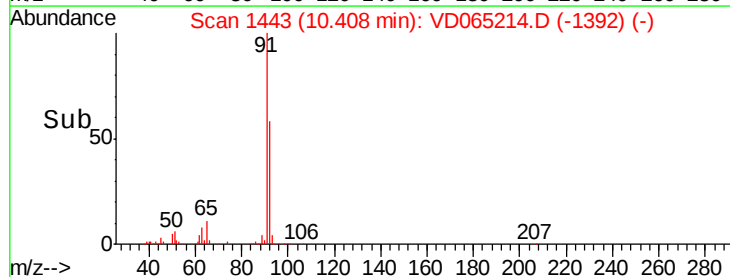
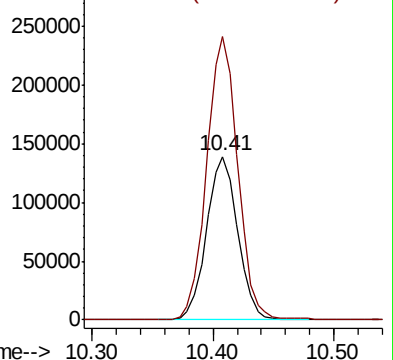
92 100

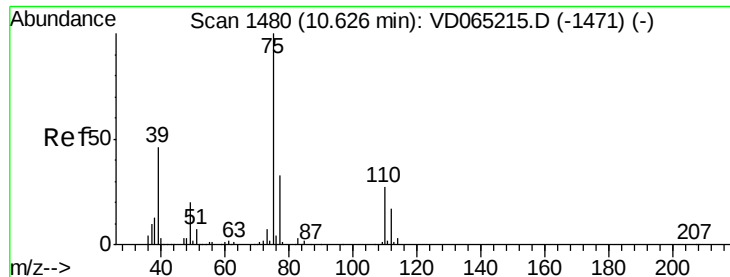
91 172.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.186 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

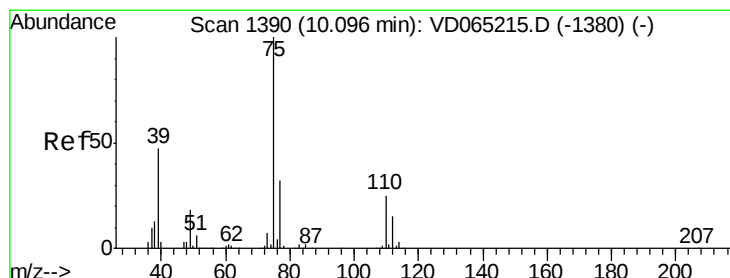
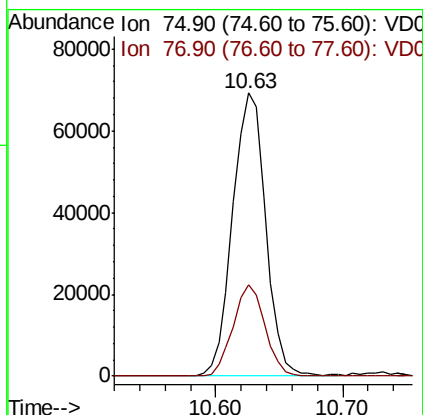
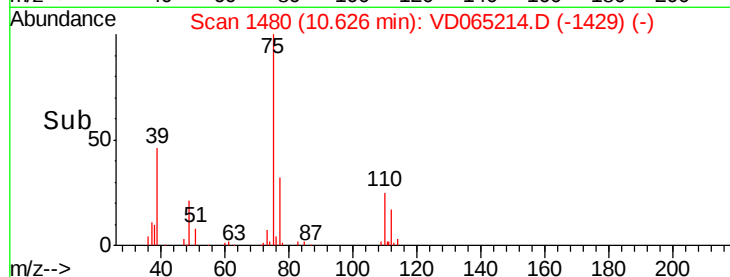
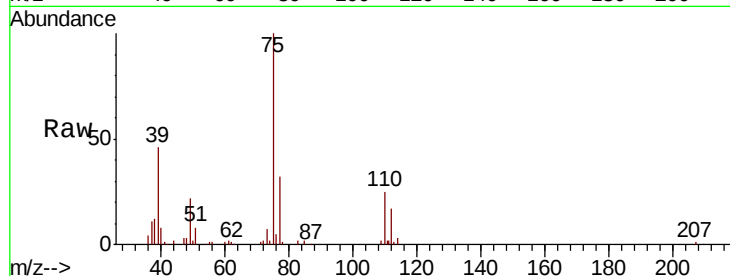
VSTDIC020

Tot Ion: 75 Resp: 124878

Ion Ratio Lower Upper

75 100

77 32.1 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 20.038 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

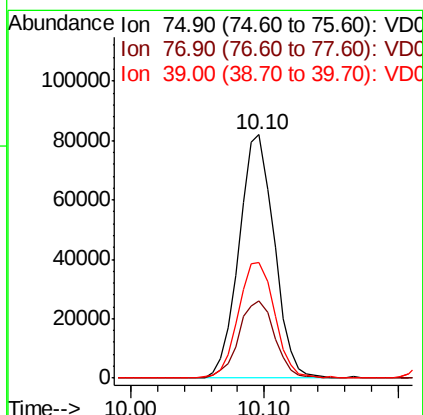
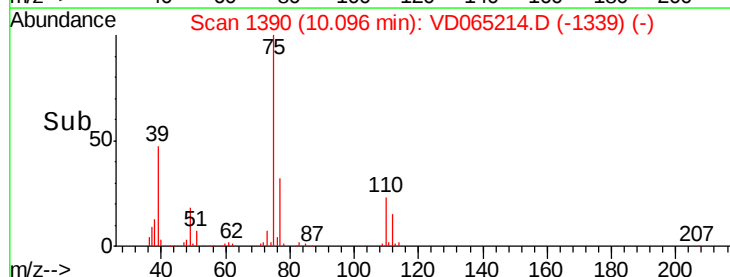
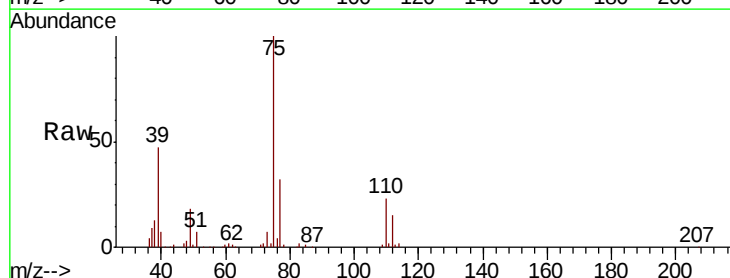
Tgt Ion: 75 Resp: 149690

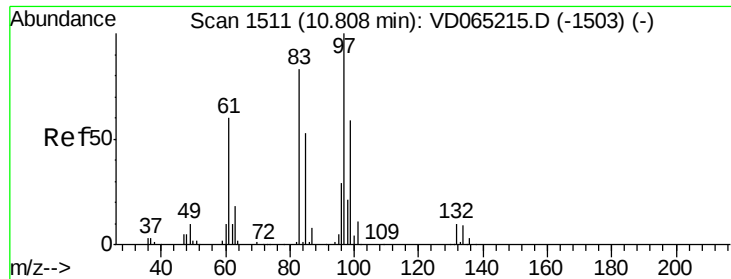
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 47.3 37.3 55.9

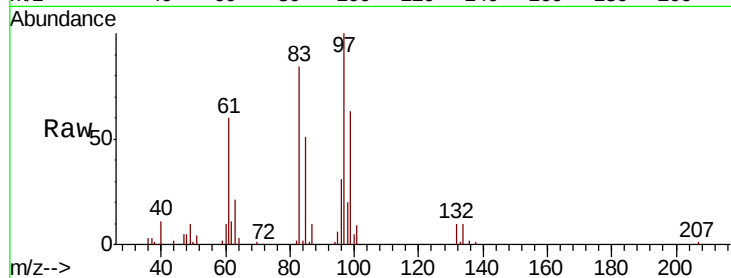




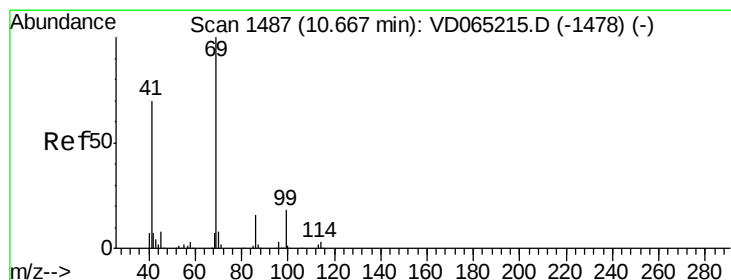
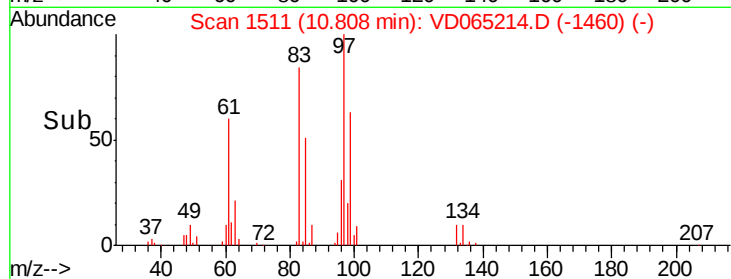
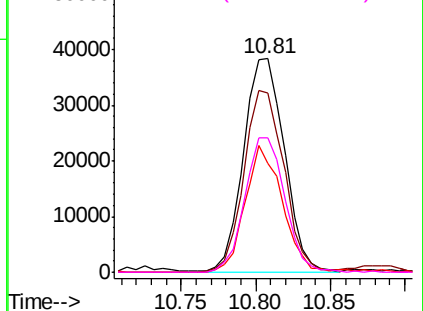
#55
 1,1,2-Trichloroethane
 Concen: 20.444 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 72872
 Ion Ratio Lower Upper
 97 100
 83 84.1 66.7 100.1
 85 51.1 42.4 63.6
 99 63.1 47.5 71.3

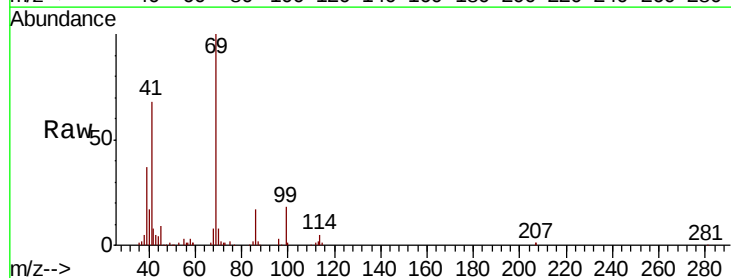


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

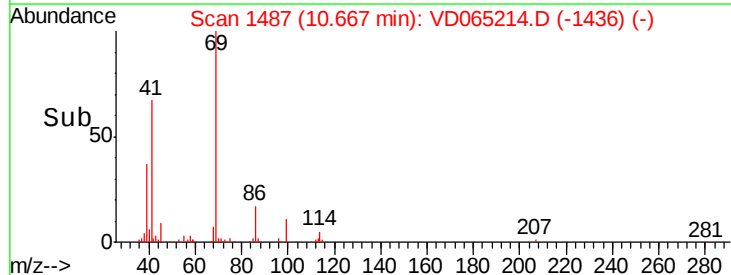
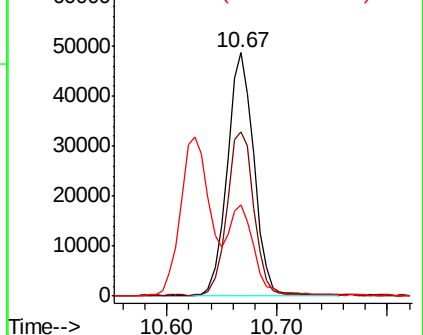


#56
 Ethyl methacrylate
 Concen: 20.150 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion: 69 Resp: 82902
 Ion Ratio Lower Upper
 69 100
 41 69.0 54.6 81.8
 39 33.6 26.5 39.7



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





#57

1,3-Dichloropropane

Concen: 20.375 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

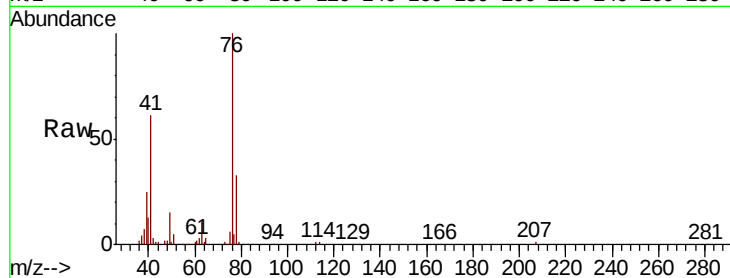
VSTDIC020

Tot Ion: 76 Resp: 123613

Ion Ratio Lower Upper

76 100

78 32.8 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

60000

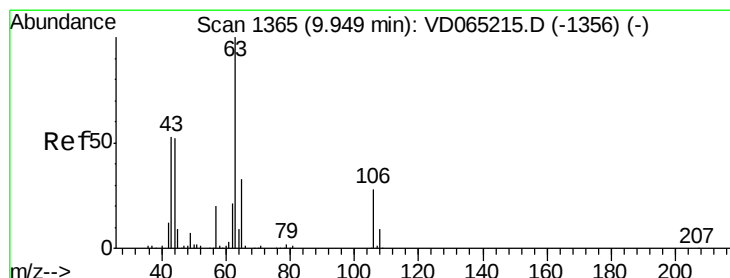
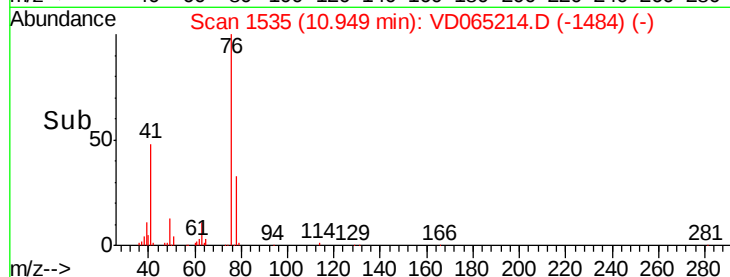
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 95.146 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065214.D

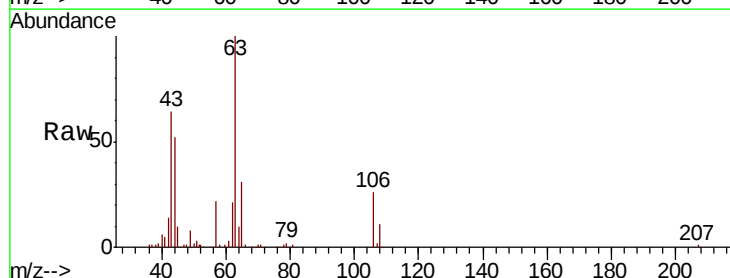
Acq: 18 Feb 2020 11:30

Tgt Ion: 63 Resp: 123415

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

80000

60000

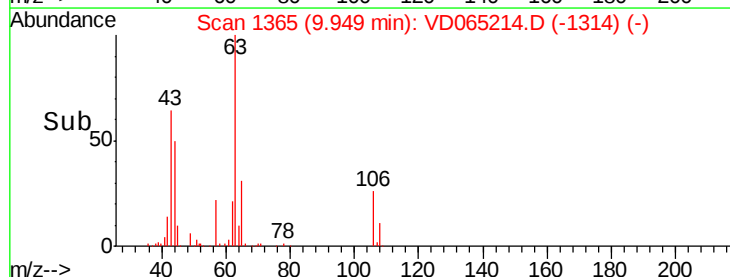
40000

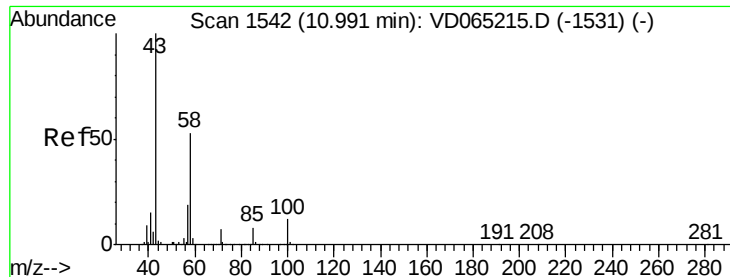
20000

0

Time-->

9.90 10.00

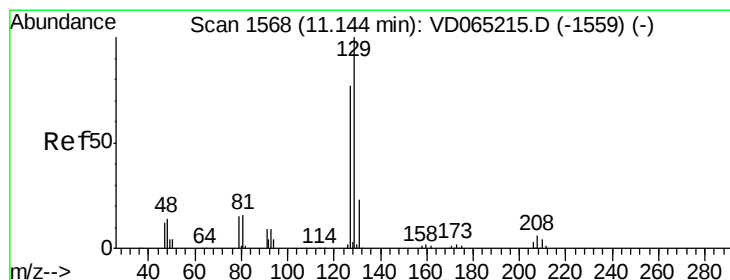
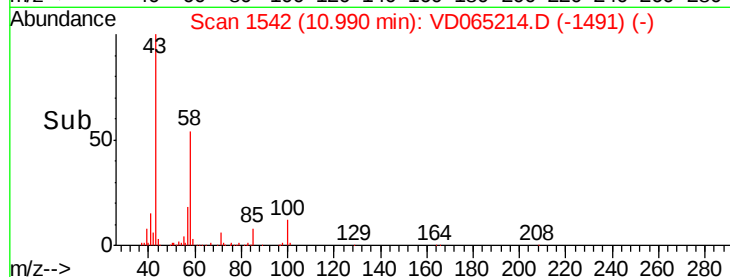
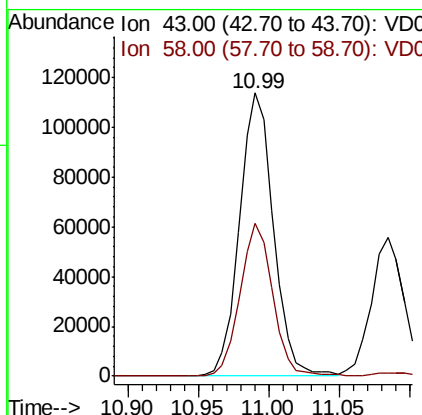
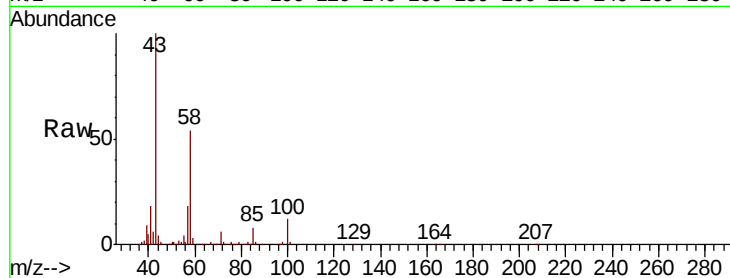




#59
2-Hexanone
Concen: 98.703 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

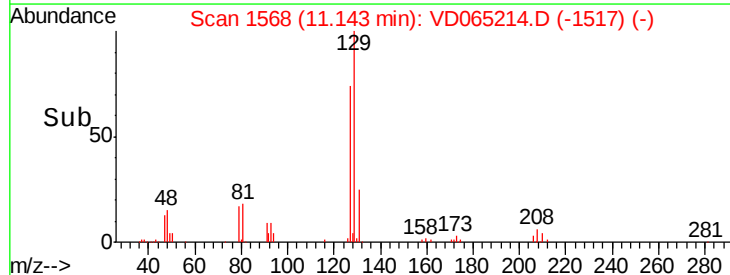
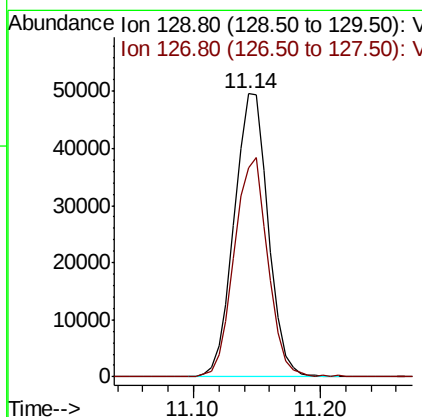
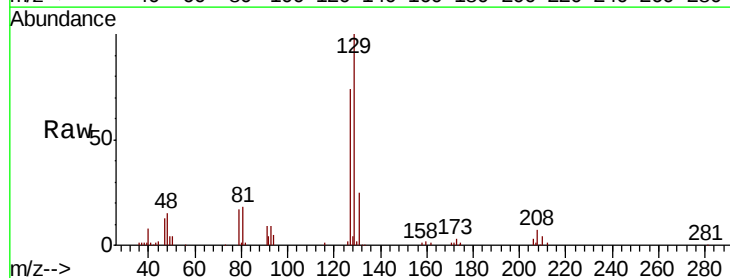
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

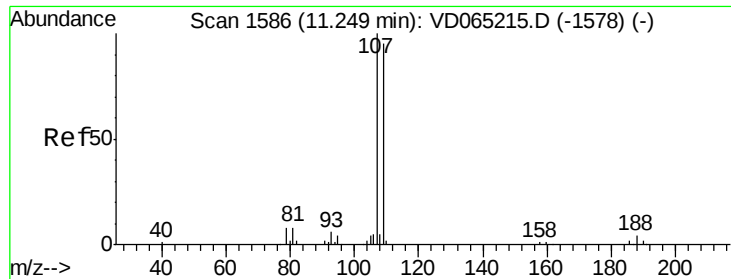
Tot Ion: 43 Resp: 191322
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8



#60
Dibromochloromethane
Concen: 20.180 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 129 Resp: 92067
Ion Ratio Lower Upper
129 100
127 76.2 38.7 116.1

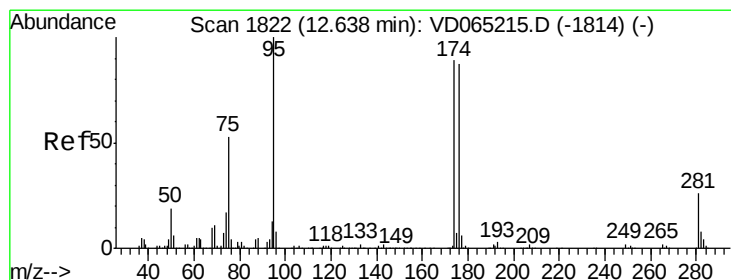
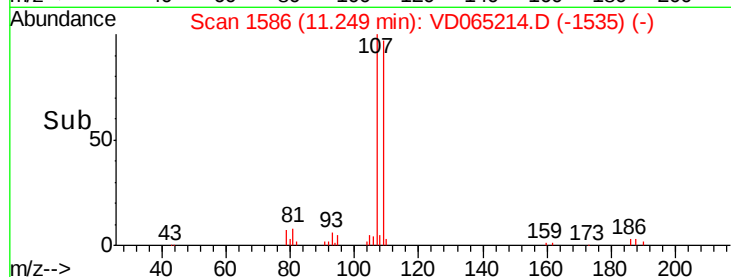
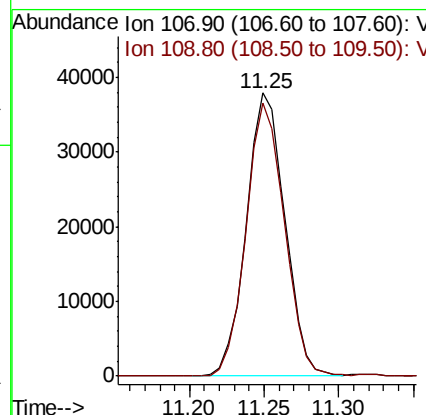
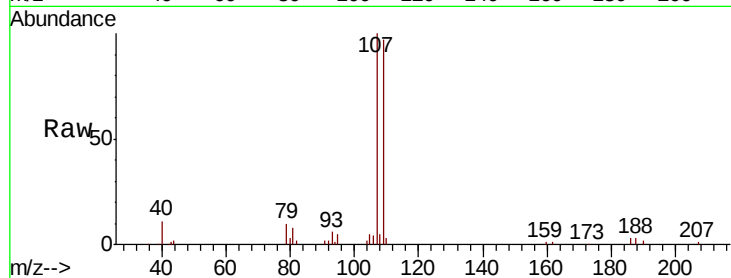




#61
 1,2-Dibromoethane
 Concen: 20.069 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

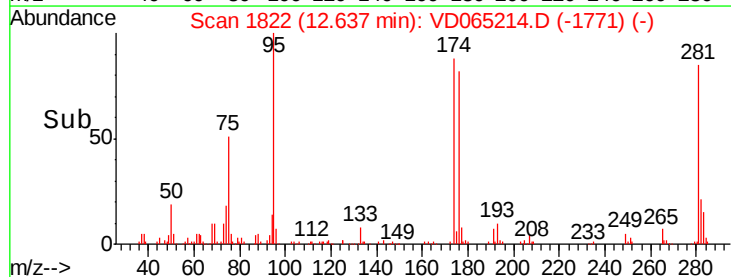
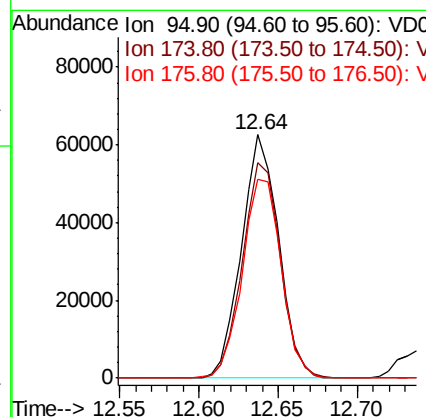
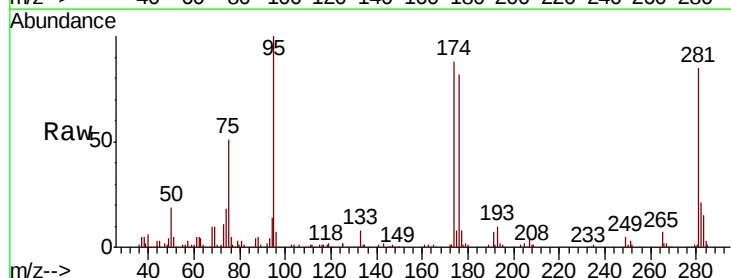
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

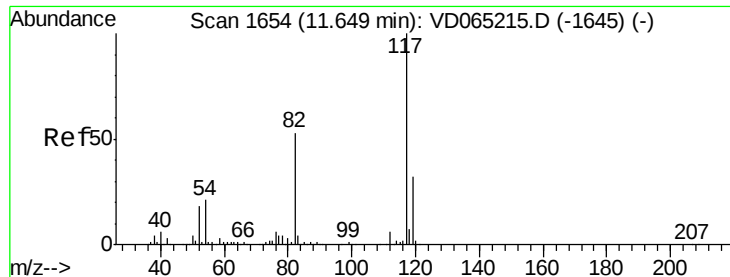
Tot Ion:107 Resp: 67731
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 19.126 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion: 95 Resp: 101794
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 178.0
 176 85.9 0.0 174.4

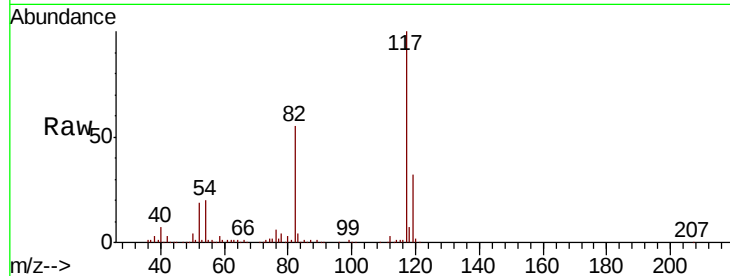




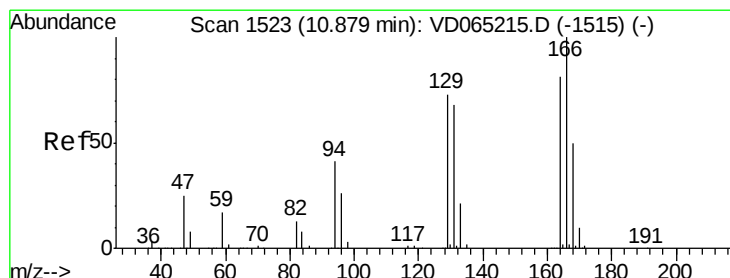
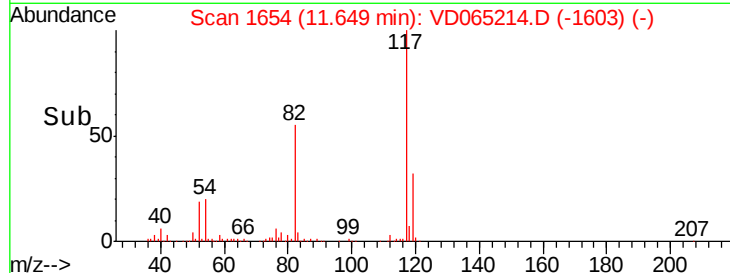
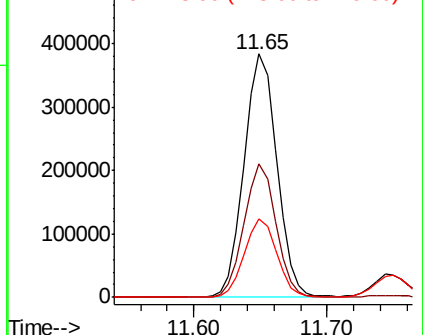
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 652408
Ion Ratio Lower Upper
117 100
82 54.9 42.7 64.1
119 32.4 25.5 38.3

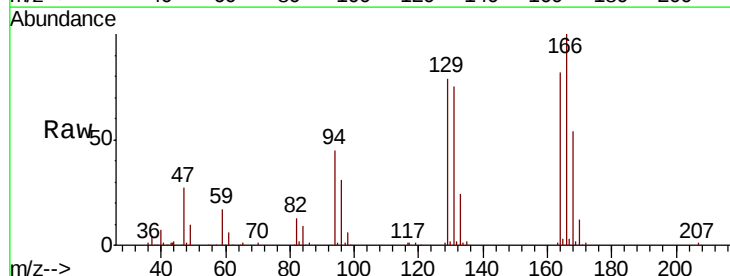


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

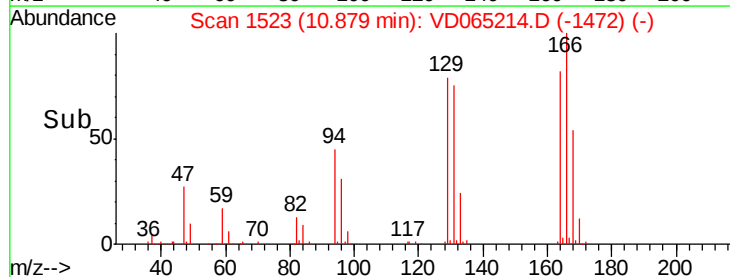
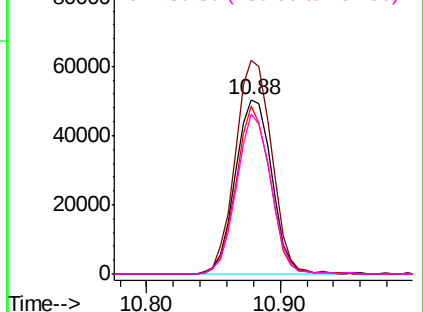


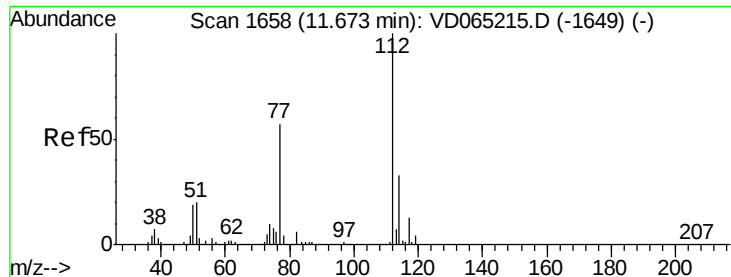
#64
Tetrachloroethene
Concen: 20.589 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion:164 Resp: 95269
Ion Ratio Lower Upper
164 100
166 122.5 98.4 147.6
129 96.4 71.6 107.4
131 92.1 67.3 100.9



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

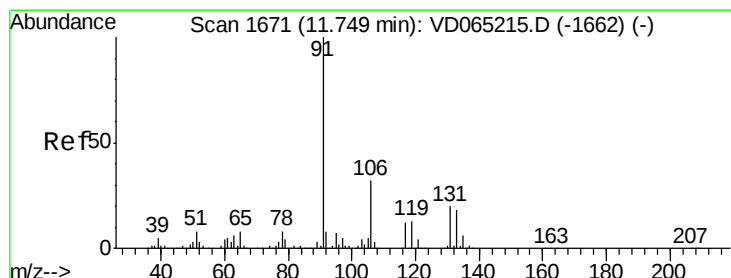
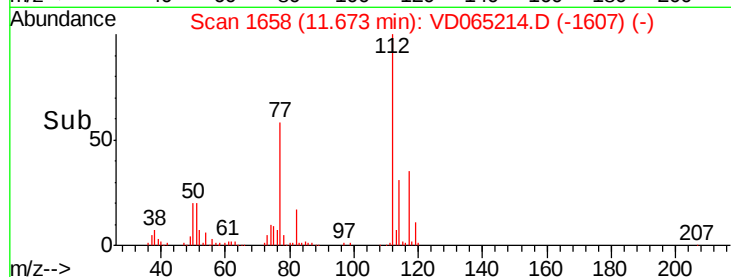
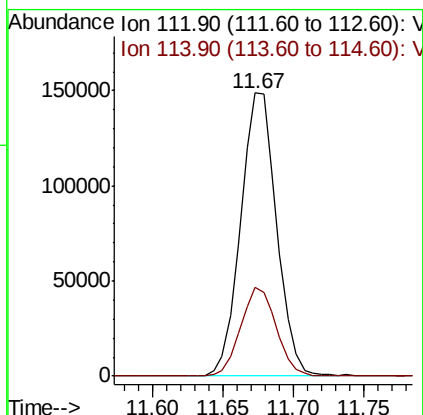
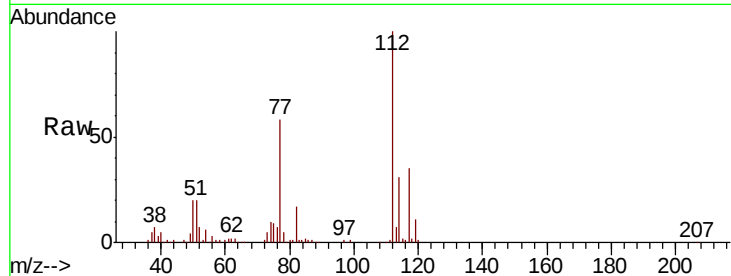




#65
Chlorobenzene
Concen: 20.224 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

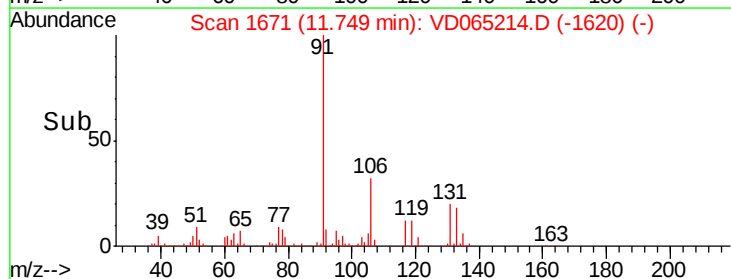
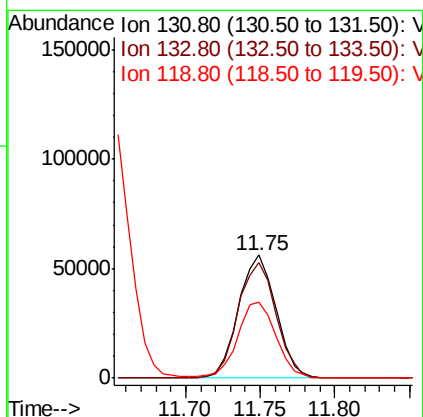
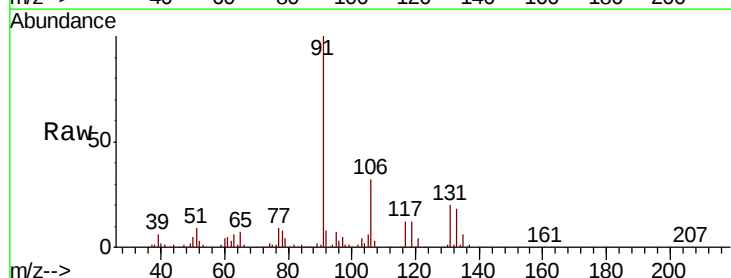
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

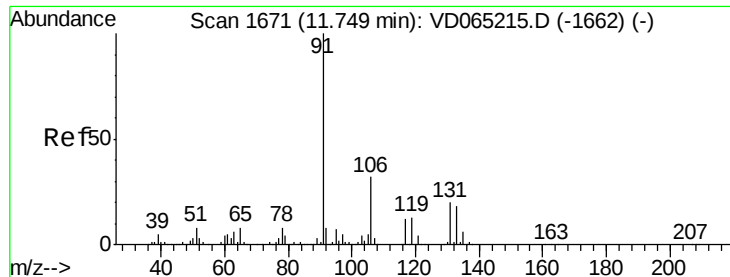
Tot Ion:112 Resp: 264771
Ion Ratio Lower Upper
112 100
114 31.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.082 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion:131 Resp: 98116
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 63.0 32.7 98.1





#67

Ethyl Benzene

Concen: 20.398 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

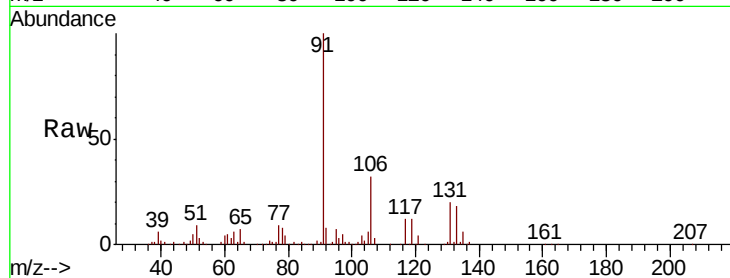
VSTDIC020

Tot Ion: 91 Resp: 467719

Ion Ratio Lower Upper

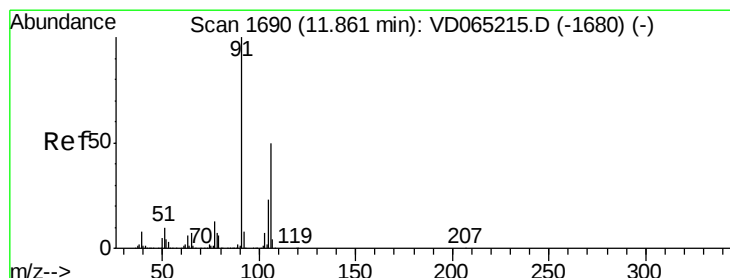
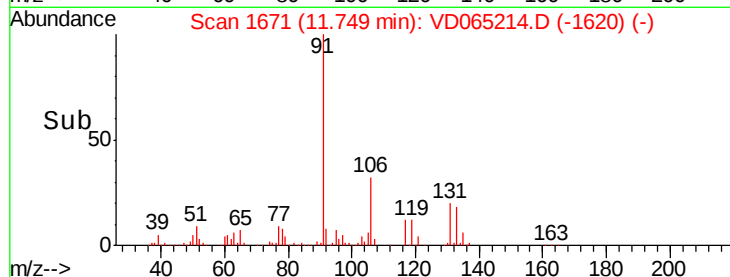
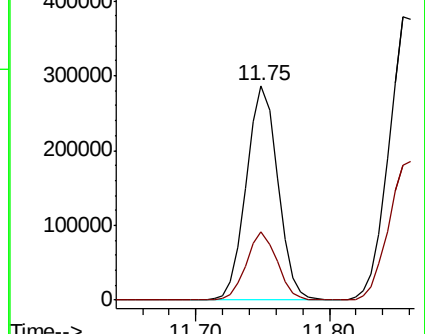
91 100

106 31.6 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: 40.716 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065214.D

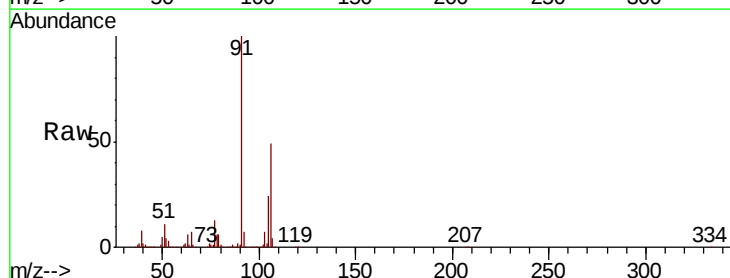
Acq: 18 Feb 2020 11:30

Tgt Ion: 106 Resp: 357190

Ion Ratio Lower Upper

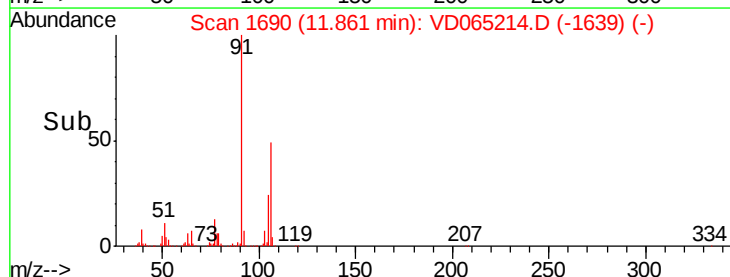
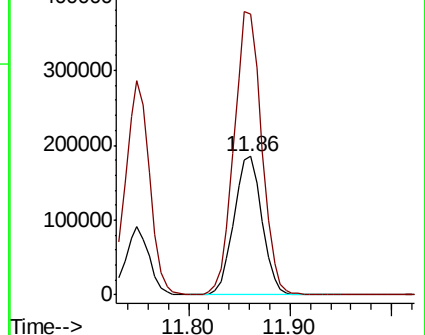
106 100

91 201.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

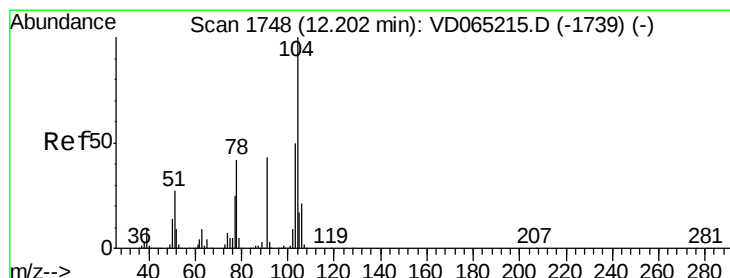
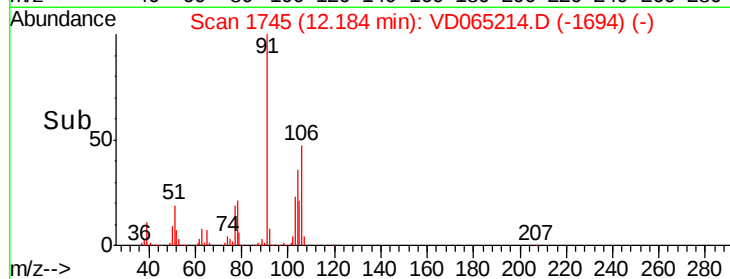
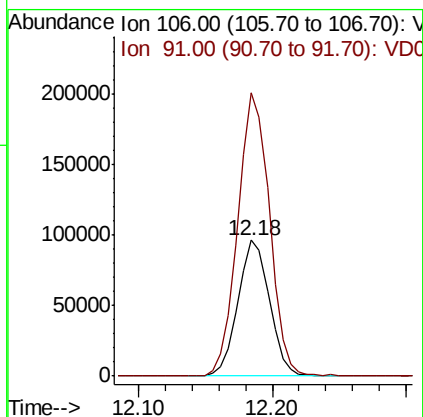
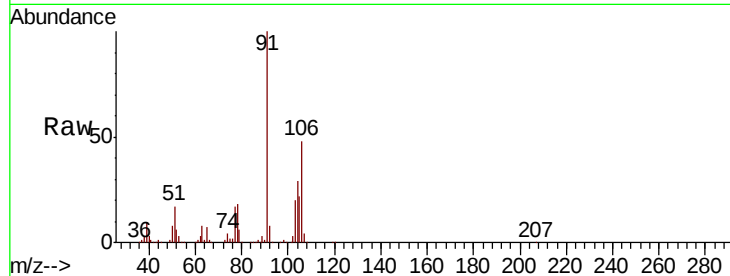




#69
o-Xylene
Concen: 20.285 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

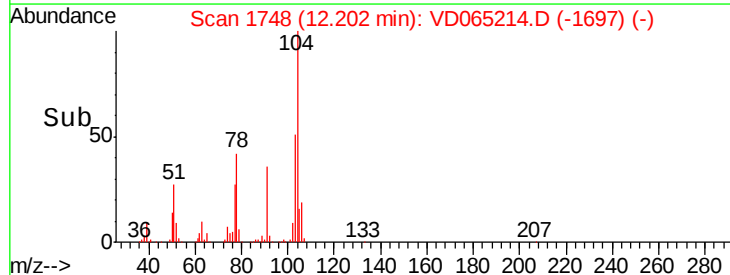
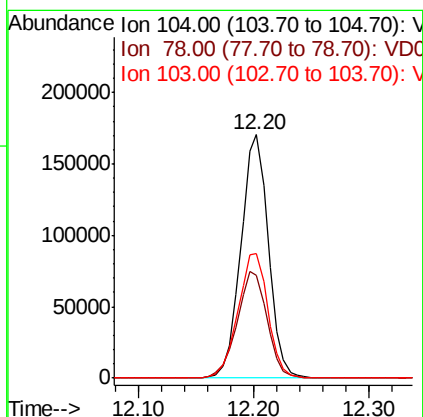
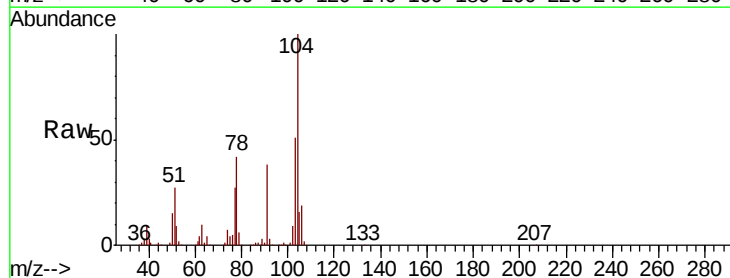
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

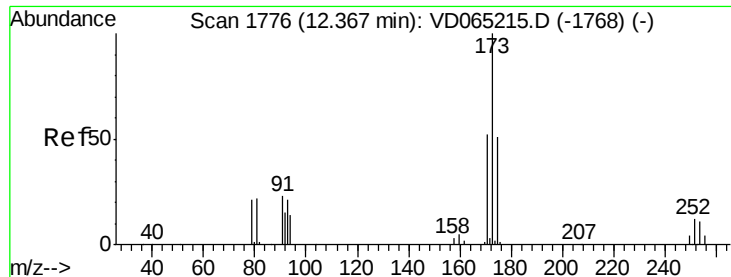
Tot Ion:106 Resp: 157658
Ion Ratio Lower Upper
106 100
91 210.3 104.7 313.9



#70
Styrene
Concen: 20.420 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion:104 Resp: 281780
Ion Ratio Lower Upper
104 100
78 47.8 37.8 56.6
103 55.6 43.4 65.2





#71

Bromoform

Concen: 20.123 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

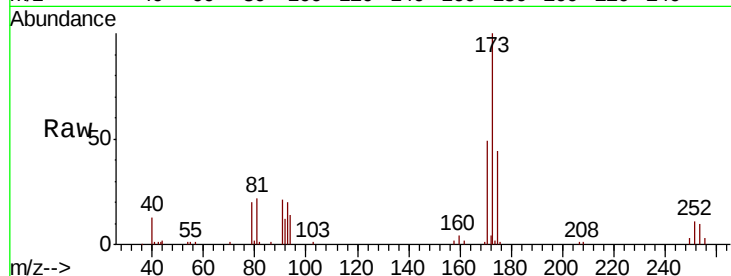
Tot Ion:173 Resp: 54555

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.4

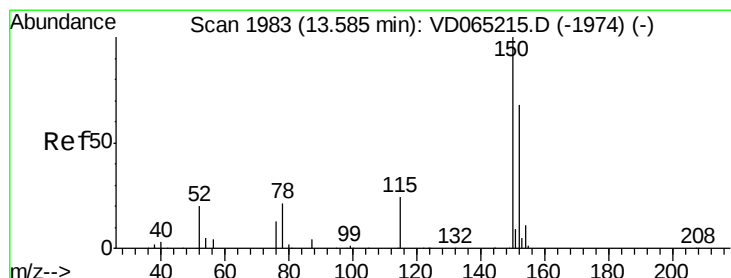
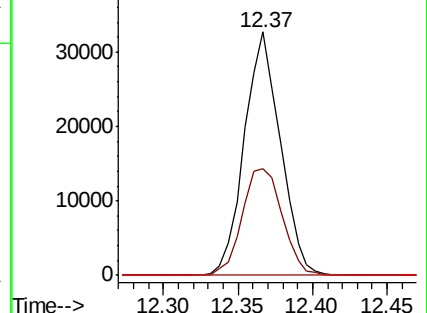
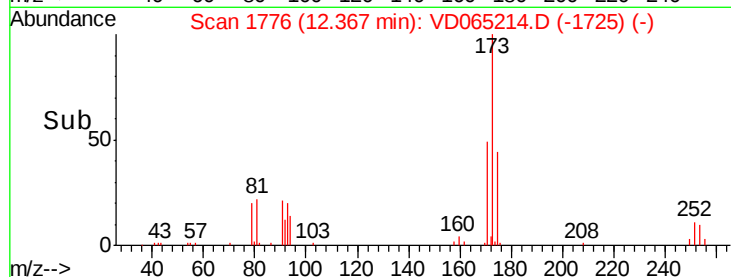
254 0.0 0.0 0.0



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: VD065214.D

Acq: 18 Feb 2020 11:30

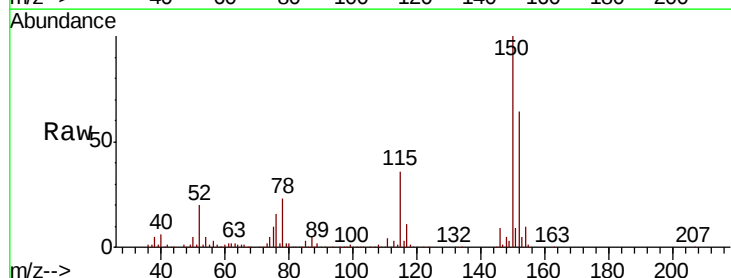
Tgt Ion:152 Resp: 318918

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.8

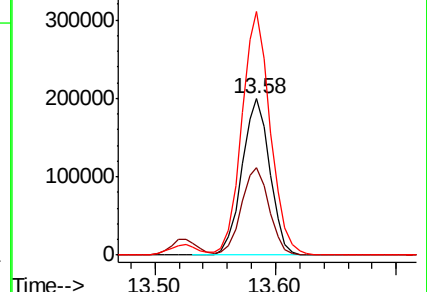
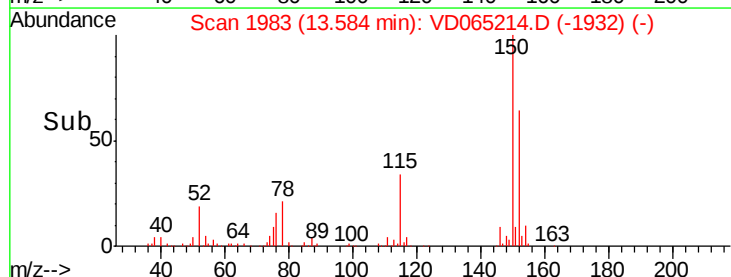
150 159.5 0.0 347.4

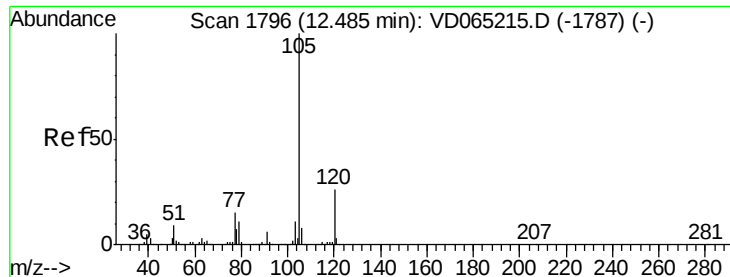


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.653 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

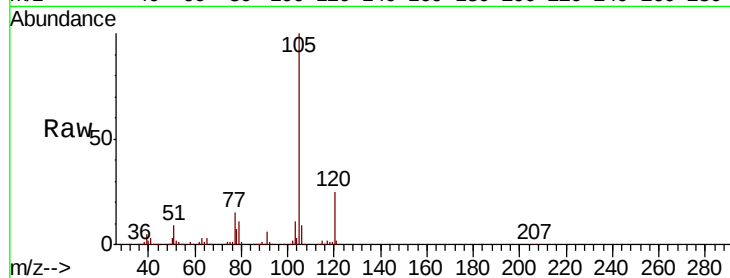
VSTDIC020

Tot Ion:105 Resp: 436069

Ion Ratio Lower Upper

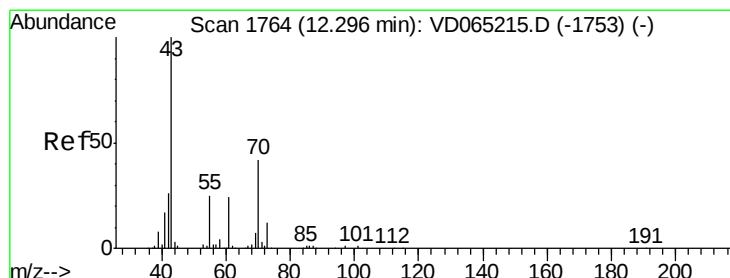
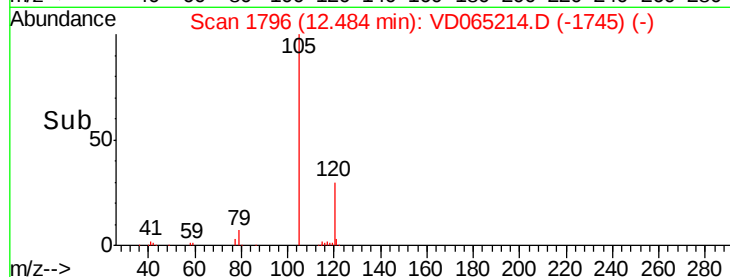
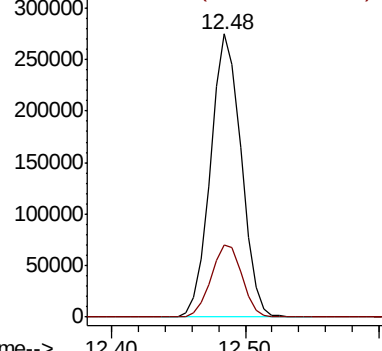
105 100

120 25.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.035 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Tgt Ion: 43 Resp: 93998

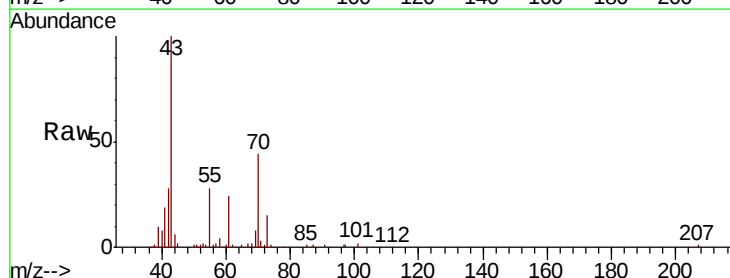
Ion Ratio Lower Upper

43 100

70 42.3 33.7 50.5

55 28.1 20.7 31.1

61 23.2 19.0 28.4

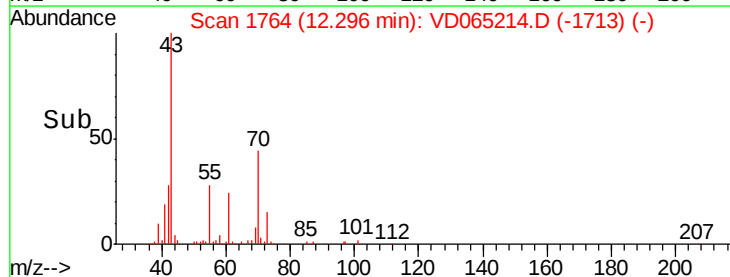
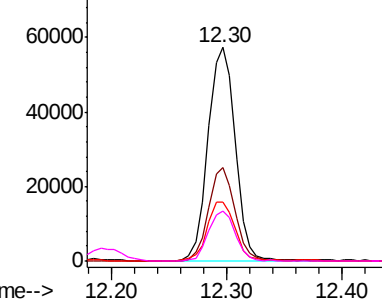


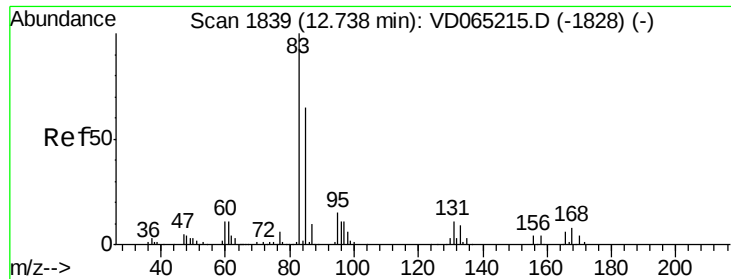
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.219 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

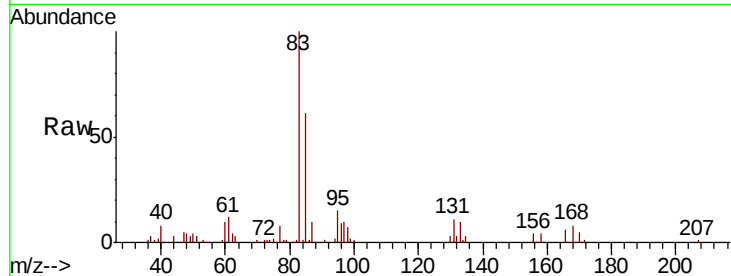
Tot Ion: 83 Resp: 77045

Ion Ratio Lower Upper

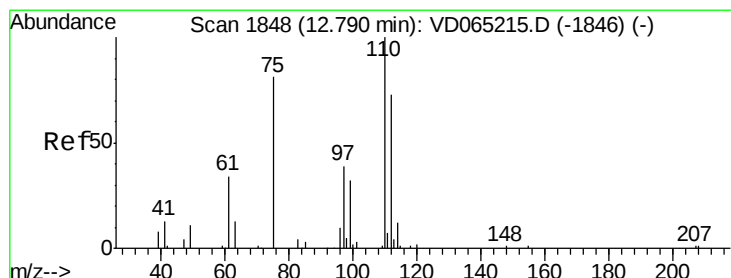
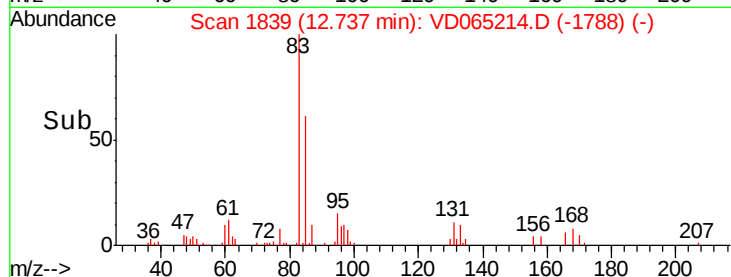
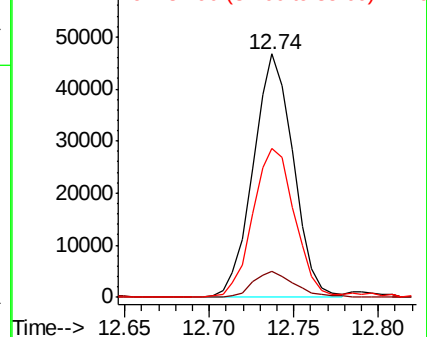
83 100

131 11.0 5.4 16.2

85 64.0 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: 22.216 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065214.D

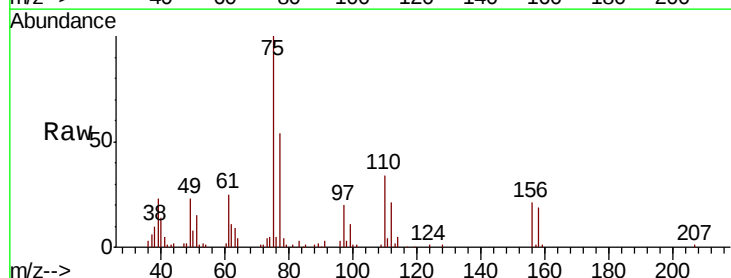
Acq: 18 Feb 2020 11:30

Tgt Ion: 75 Resp: 101533

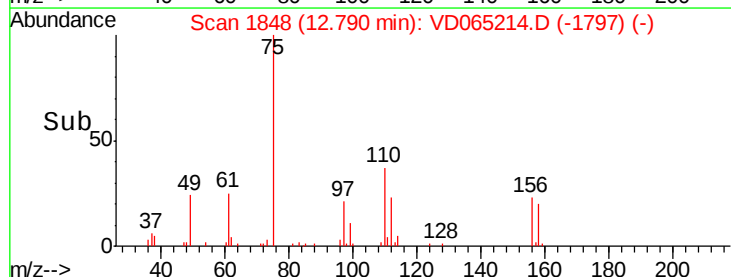
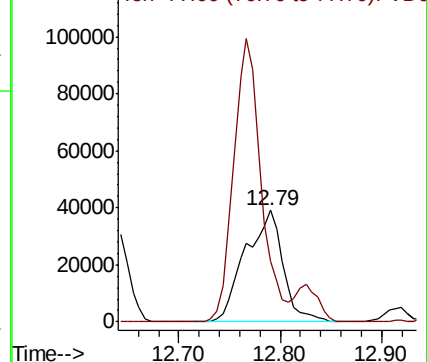
Ion Ratio Lower Upper

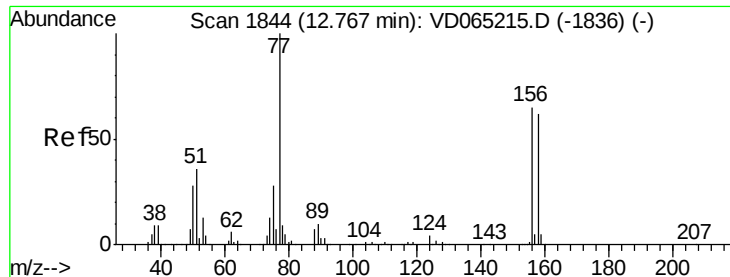
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.090 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

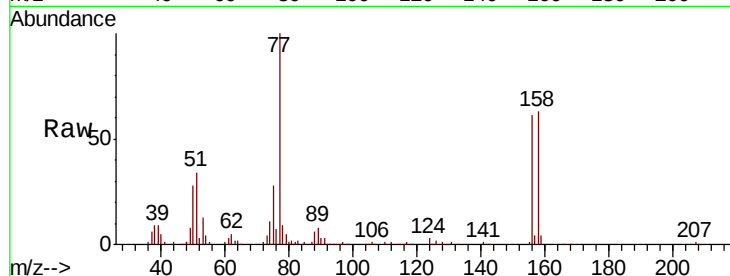
Tot Ion:156 Resp: 105330

Ion Ratio Lower Upper

156 100

77 177.2 86.6 259.7

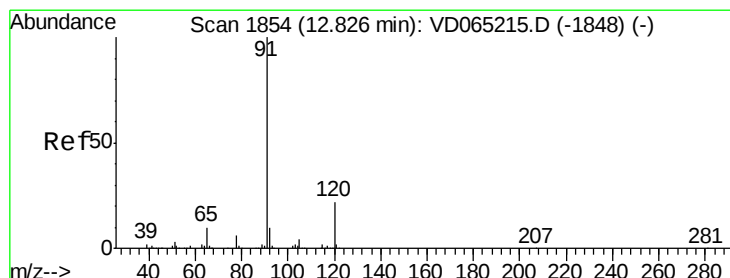
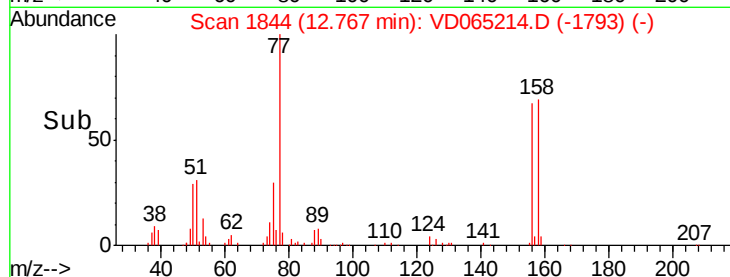
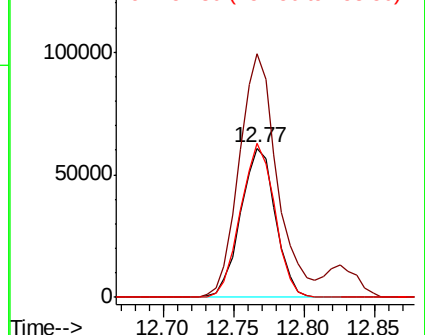
158 101.1 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.255 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065214.D

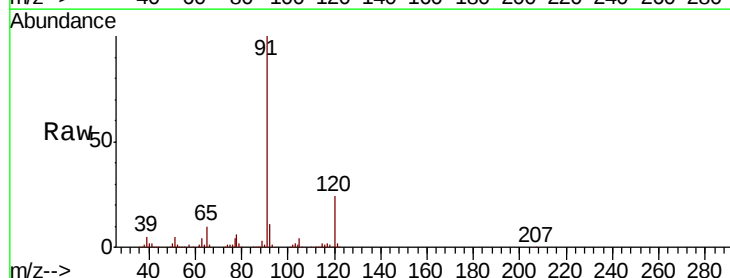
Acq: 18 Feb 2020 11:30

Tgt Ion: 91 Resp: 513923

Ion Ratio Lower Upper

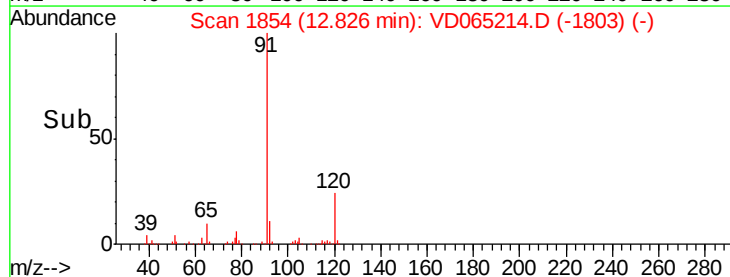
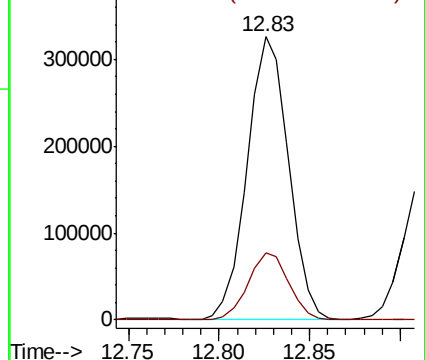
91 100

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: 20.116 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

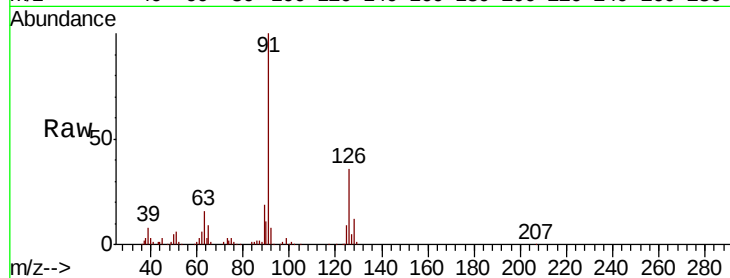
VSTDIC020

Tot Ion: 91 Resp: 285928

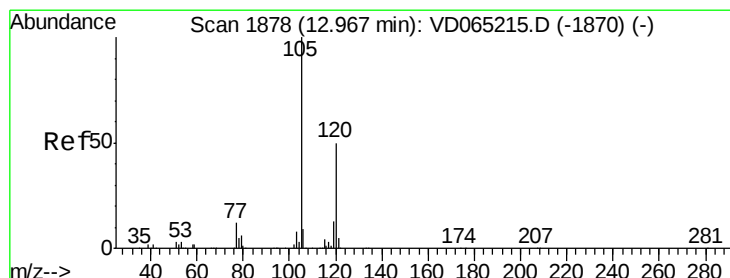
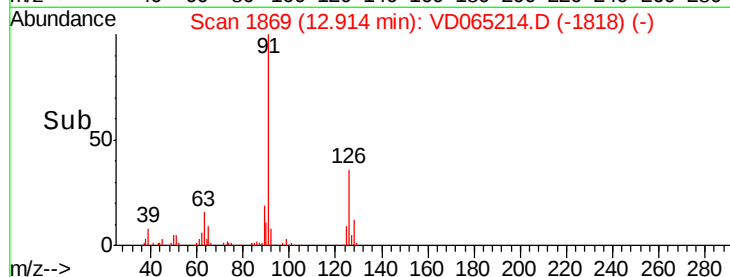
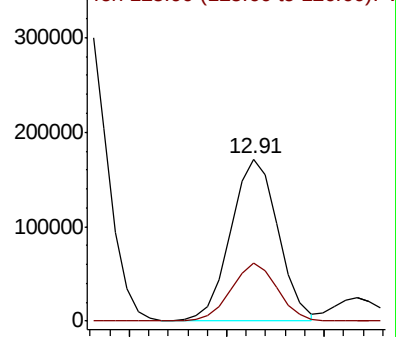
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.571 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065214.D

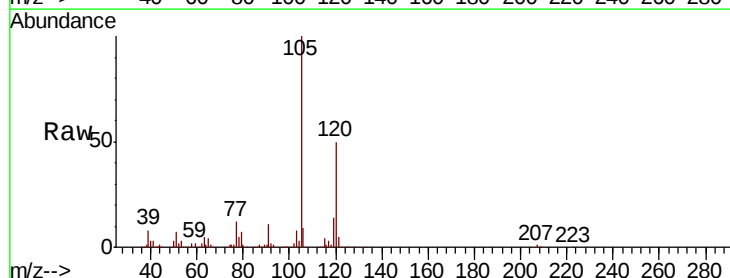
Acq: 18 Feb 2020 11:30

Tgt Ion: 105 Resp: 357723

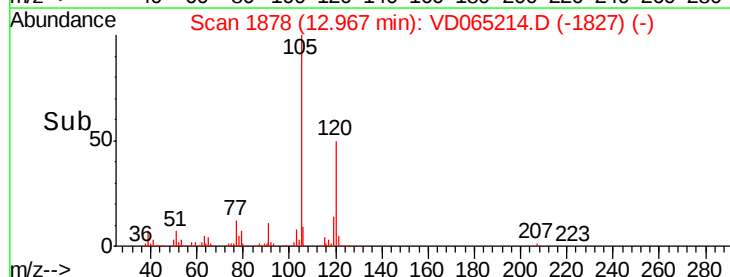
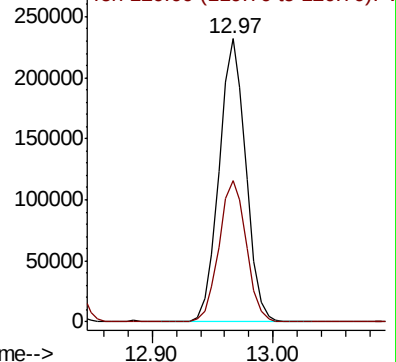
Ion Ratio Lower Upper

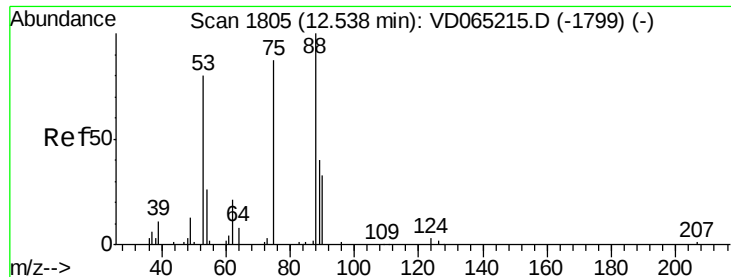
105 100

120 51.1 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.480 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

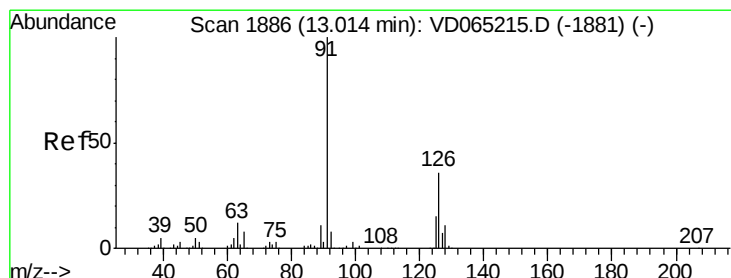
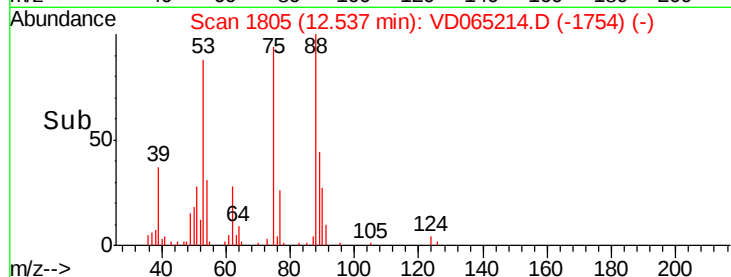
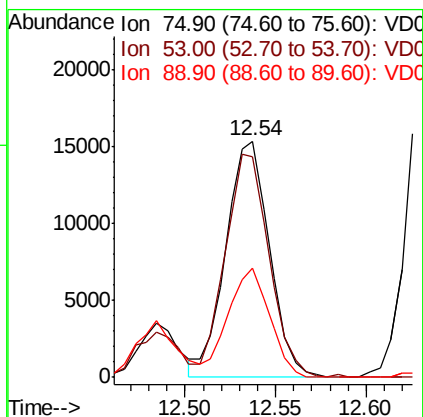
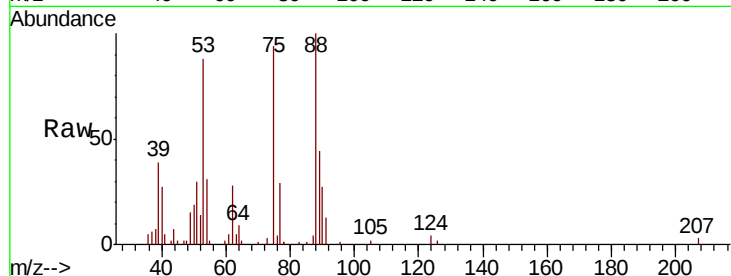
Tot Ion: 75 Resp: 25737

Ion Ratio Lower Upper

75 100

53 95.5 77.6 116.4

89 44.0 37.2 55.8



#82

4-Chlorotoluene

Concen: 20.307 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065214.D

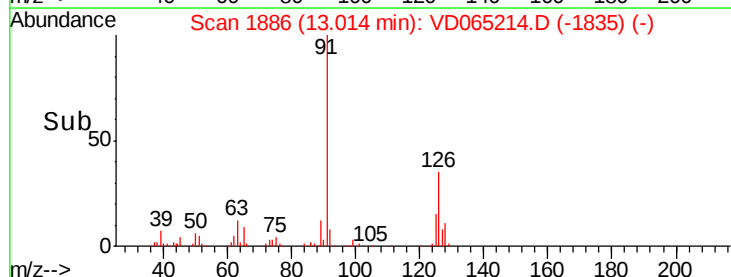
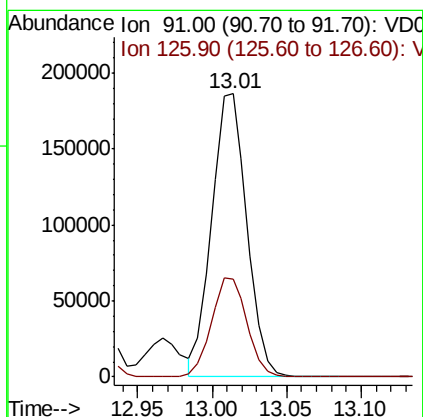
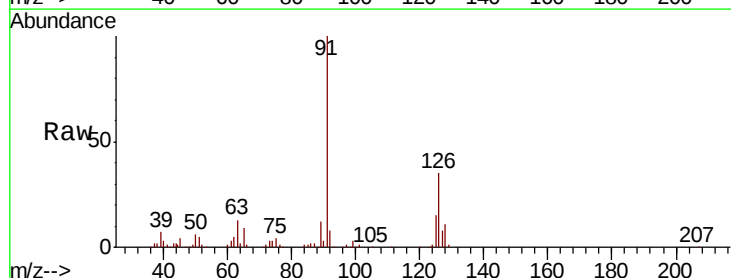
Acq: 18 Feb 2020 11:30

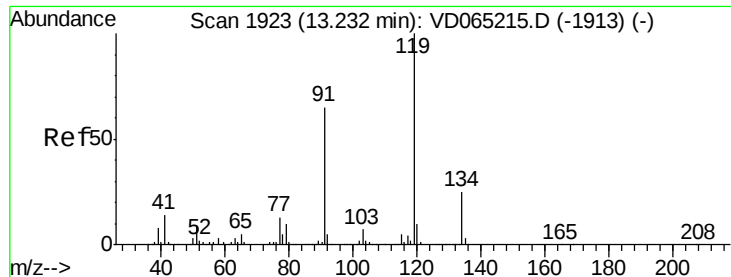
Tgt Ion: 91 Resp: 306435

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3

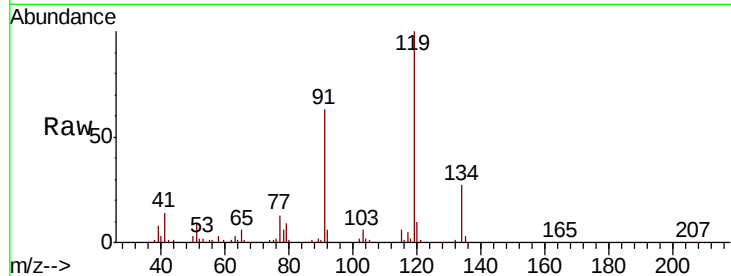




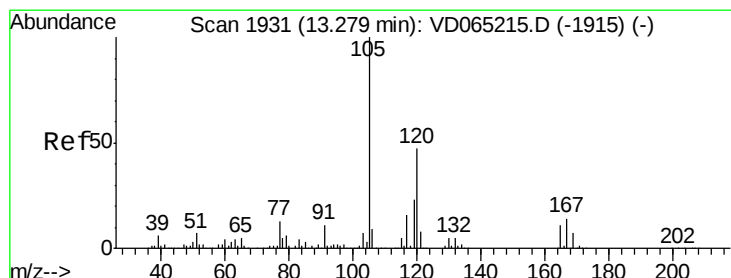
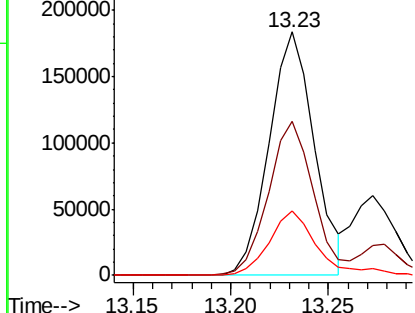
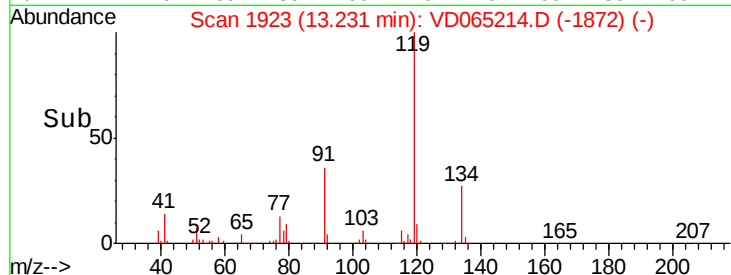
#83
tert-Butylbenzene
Concen: 20.214 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:119 Resp: 294613
Ion Ratio Lower Upper
119 100
91 63.5 31.9 95.5
134 28.4 13.8 41.3

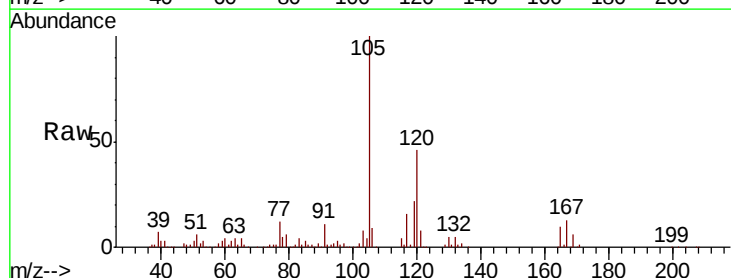


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

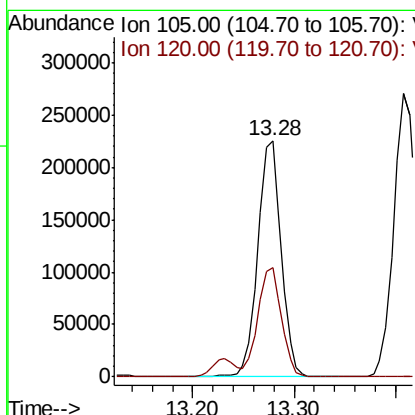
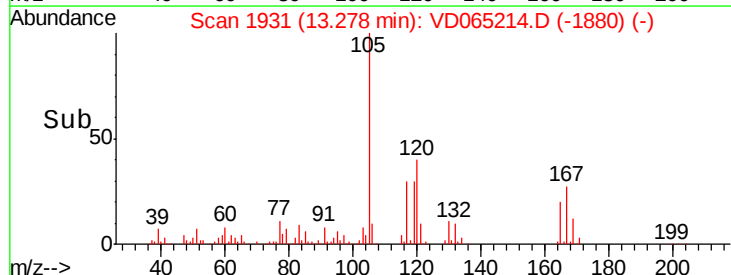


#84
1,2,4-Trimethylbenzene
Concen: 20.733 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion:105 Resp: 360871
Ion Ratio Lower Upper
105 100
120 46.4 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 20.179 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

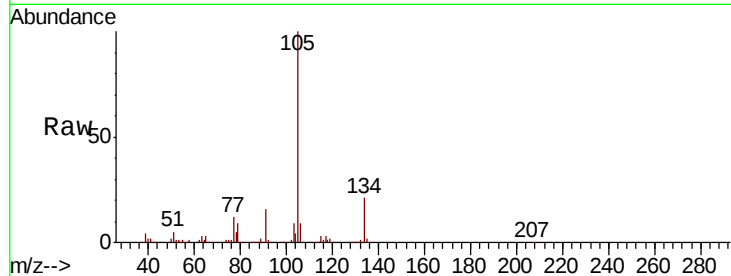
VSTDIC020

Tot Ion:105 Resp: 423788

Ion Ratio Lower Upper

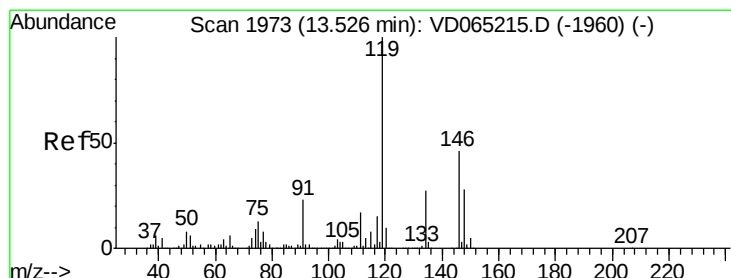
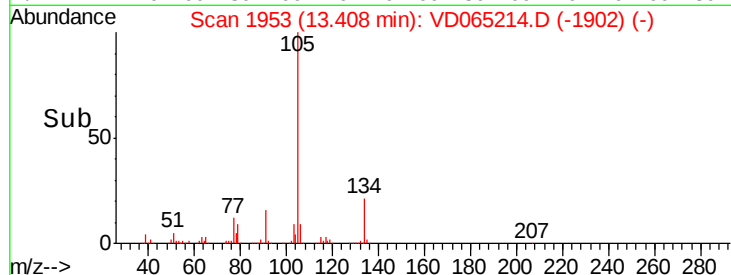
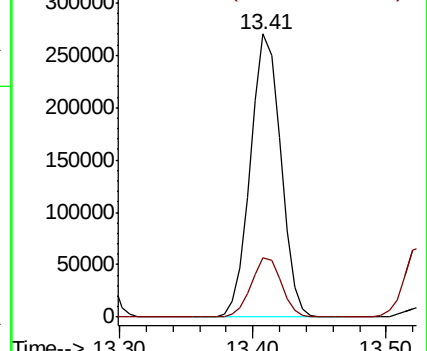
105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.442 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

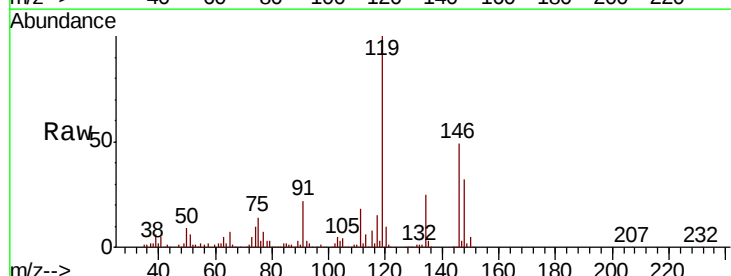
Tgt Ion:119 Resp: 392614

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

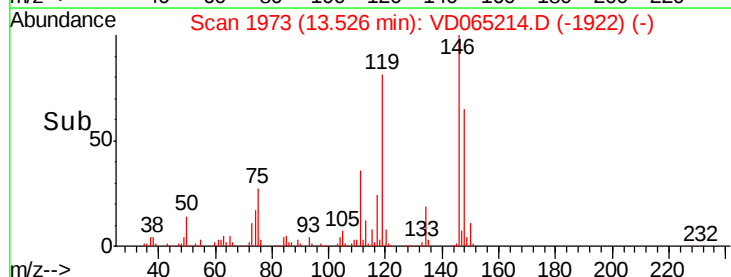
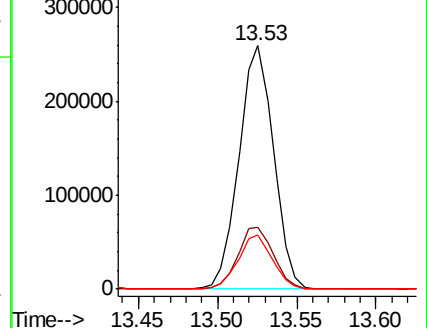
91 22.0 11.1 33.1

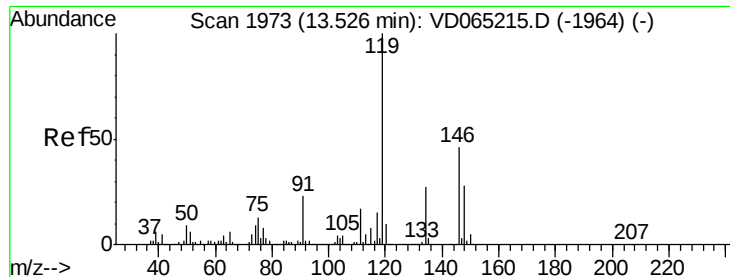


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.346 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

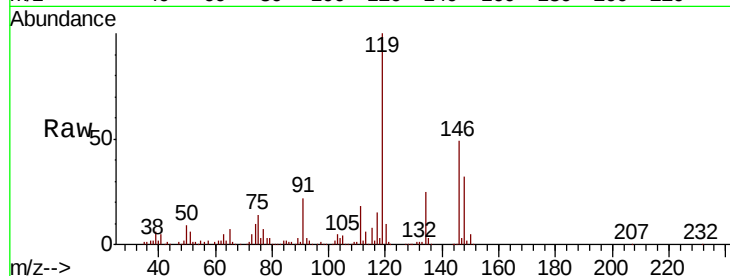
Tot Ion:146 Resp: 206227

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

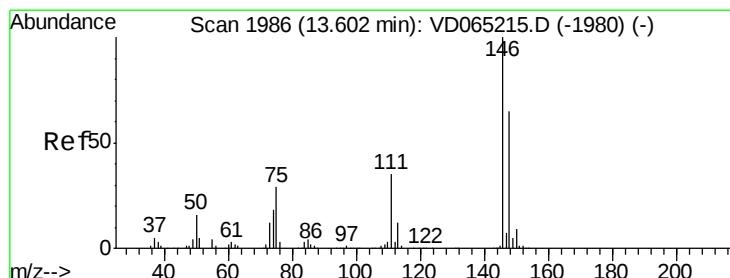
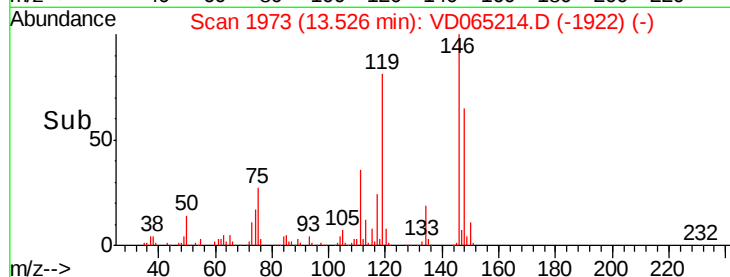
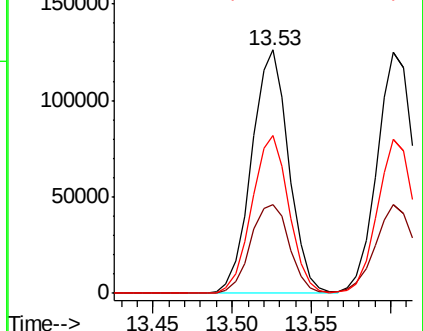
148 64.5 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.370 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065214.D

Acq: 18 Feb 2020 11:30

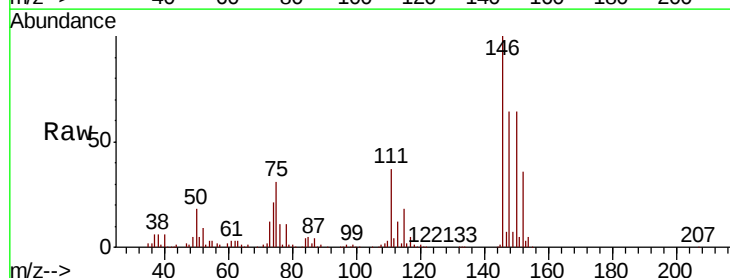
Tgt Ion:146 Resp: 203772

Ion Ratio Lower Upper

146 100

111 38.1 18.4 55.2

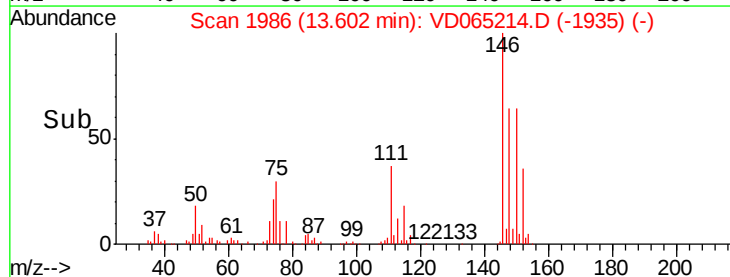
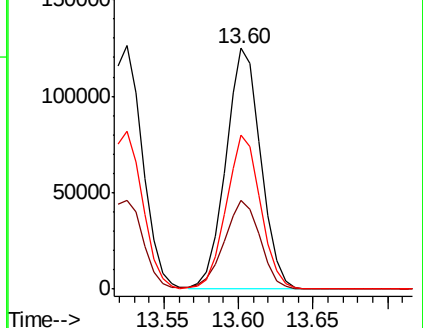
148 63.4 32.1 96.5

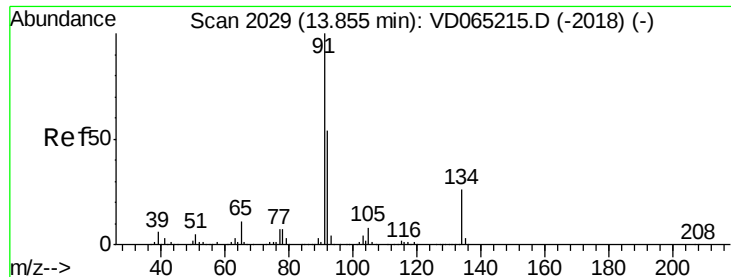


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

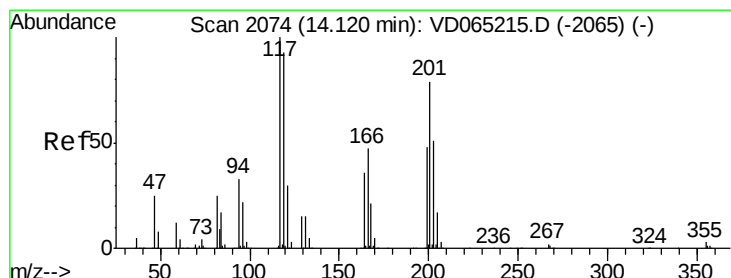
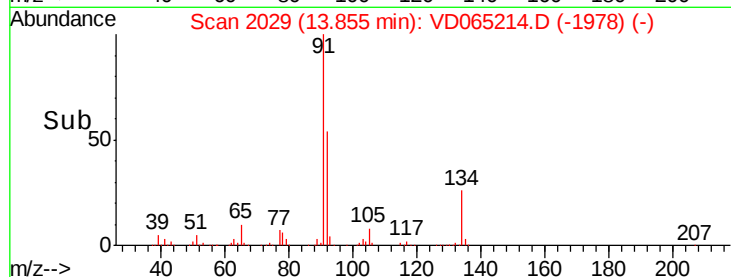
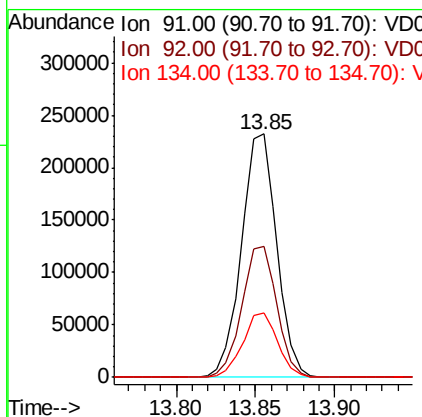
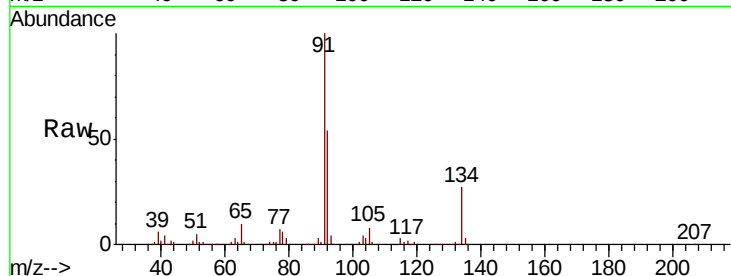




#89
n-Butylbenzene
Concen: 20.259 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

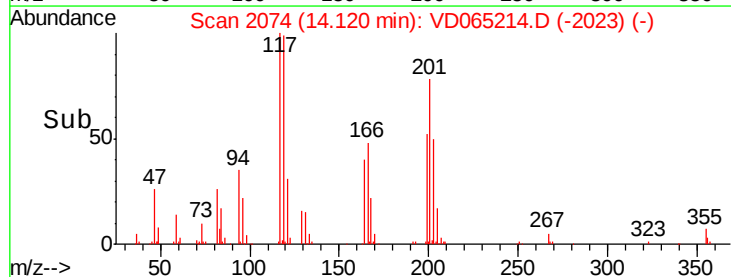
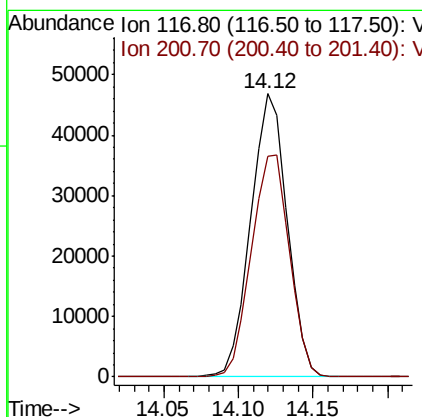
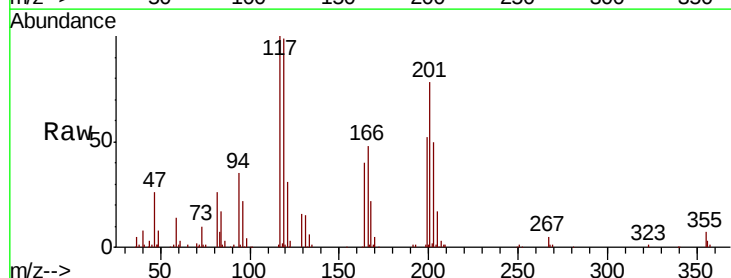
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 358537
Ion Ratio Lower Upper
91 100
92 53.4 27.0 80.8
134 26.3 13.5 40.4



#90
Hexachloroethane
Concen: 20.205 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion: 117 Resp: 78794
Ion Ratio Lower Upper
117 100
201 82.3 41.3 124.1

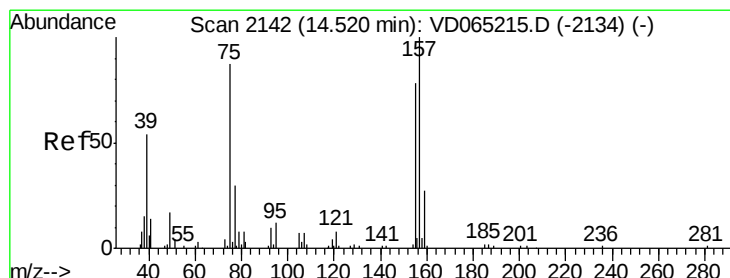
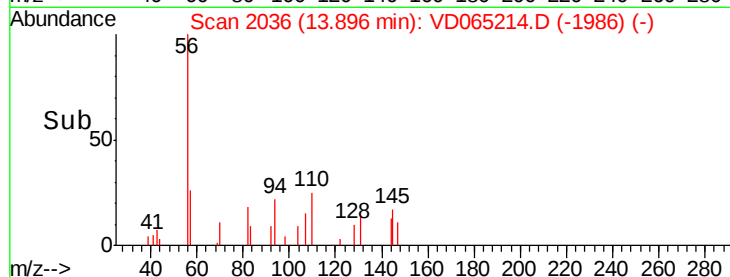
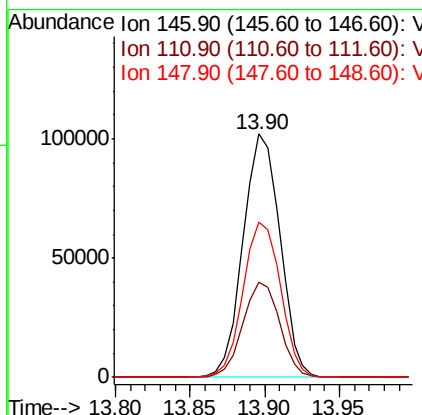
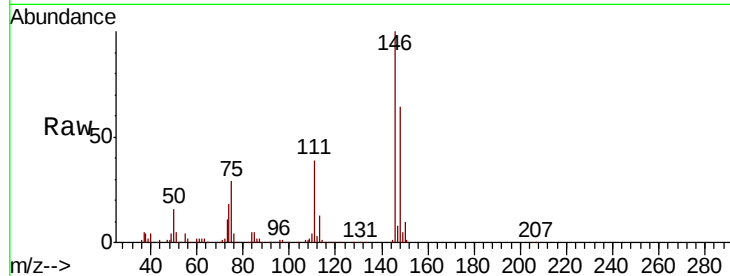




#91
 1,2-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

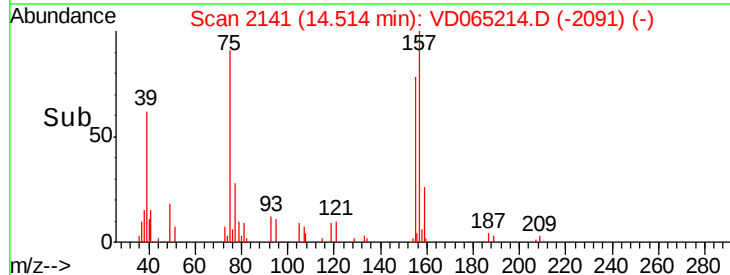
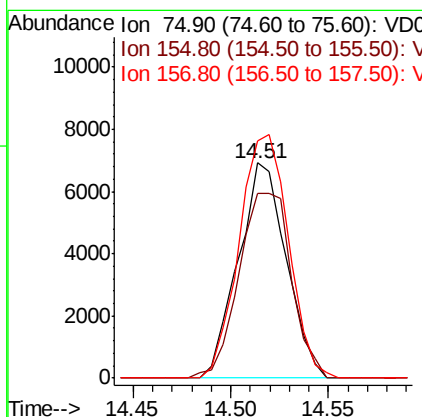
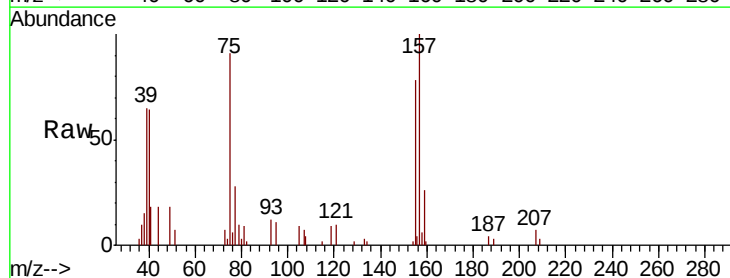
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.6	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.098 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	42.3	126.9
157	116.1	56.7	170.1

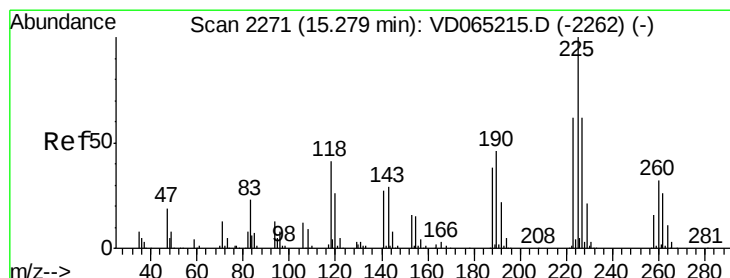
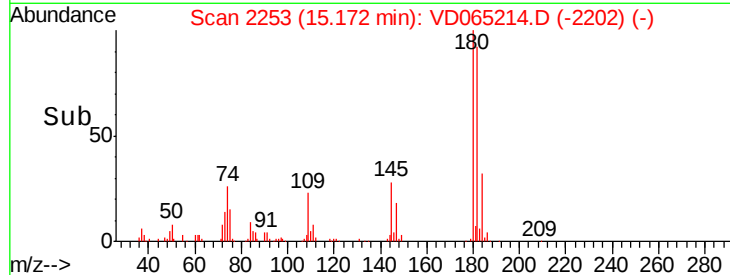
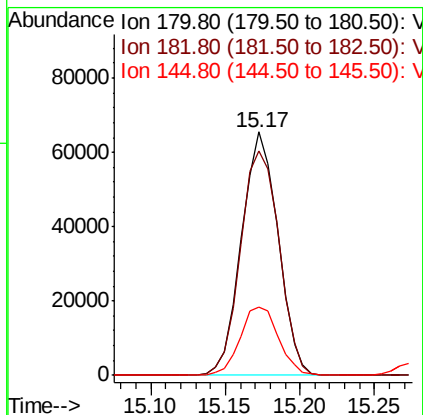
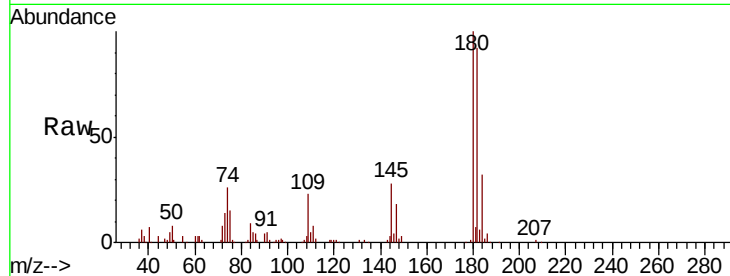




#93
 1,2,4-Trichlorobenzene
 Concen: 19.571 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

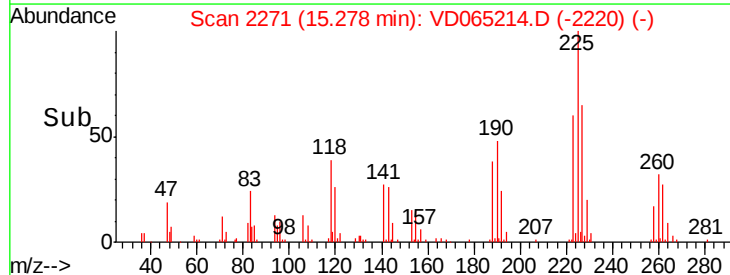
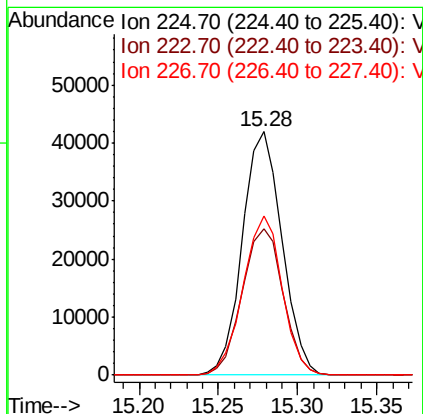
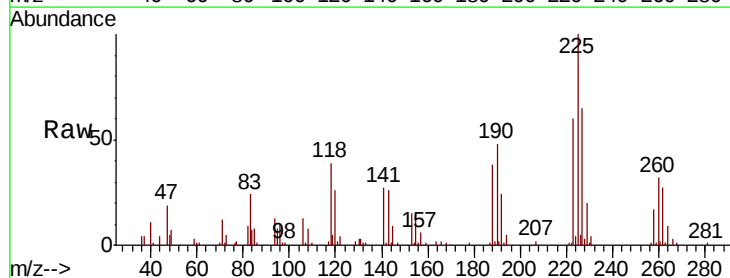
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

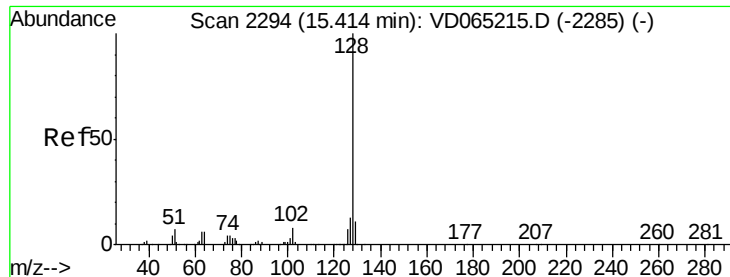
Tot Ion:180 Resp: 111414
 Ion Ratio Lower Upper
 180 100
 182 97.5 46.9 140.6
 145 29.4 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 19.956 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065214.D
 Acq: 18 Feb 2020 11:30

Tgt Ion:225 Resp: 72874
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.2
 227 64.4 31.7 95.1

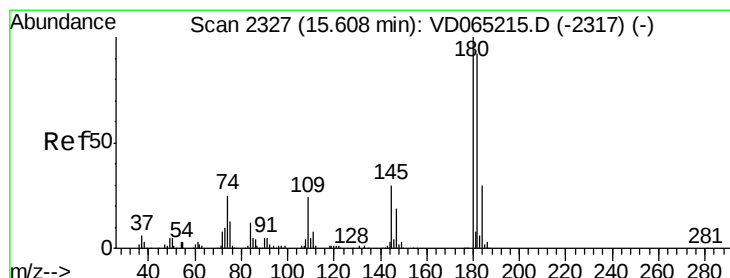
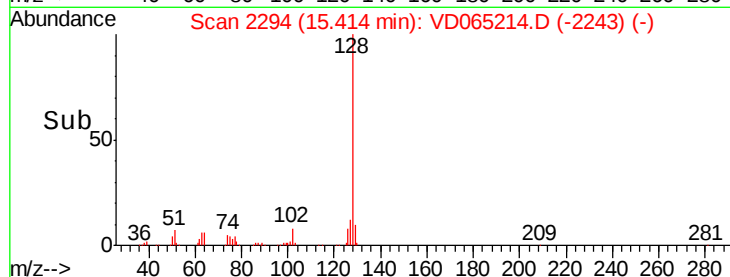
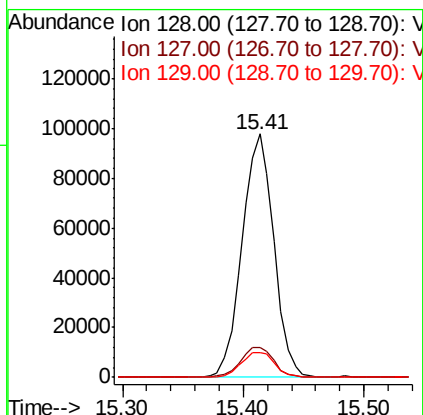
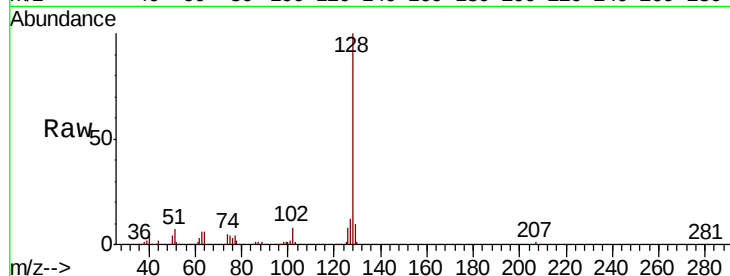




#95
Naphthalene
Concen: 19.301 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 178623
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.091 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065214.D
Acq: 18 Feb 2020 11:30

Tgt Ion:180 Resp: 99889
Ion Ratio Lower Upper
180 100
182 93.6 46.9 140.6
145 29.8 15.4 46.1

