

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065234.D
 Acq On : 19 Feb 2020 13:01
 Operator : VA/SY
 Sample : VD0219SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:40:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	724806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215020	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.92	113	219635	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.34	98	871957	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.64	95	273227	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	68844	16.762	ug/l 96
3) Chloromethane	2.21	50	96982	18.552	ug/l 97
4) Vinyl Chloride	2.35	62	94655	17.807	ug/l 100
5) Bromomethane	2.76	94	56702	17.642	ug/l 89
6) Chloroethane	2.92	64	58204	17.938	ug/l 93
7) Trichlorofluoromethane	3.27	101	141760	18.627	ug/l 98
8) Diethyl Ether	3.70	74	40791	17.757	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	89747	18.674	ug/l 99
10) Methyl Iodide	4.29	142	78750	15.781	ug/l 99
11) Tert butyl alcohol	5.25	59	21261	80.769	ug/l 100
12) 1,1-Dichloroethene	4.05	96	81968	18.055	ug/l 98
13) Acrolein	3.93	56	43150	118.428	ug/l 96
14) Allyl chloride	4.71	41	133529	18.112	ug/l 100
15) Acrylonitrile	5.43	53	92120	90.575	ug/l 97
16) Acetone	4.16	43	91766	85.219	ug/l 95
17) Carbon Disulfide	4.40	76	278898	18.323	ug/l 99
18) Methyl Acetate	4.73	43	44916	18.546	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	169026	17.853	ug/l 99
20) Methylene Chloride	4.96	84	102517	18.480	ug/l 98
21) trans-1,2-Dichloroethene	5.47	96	96364	18.671	ug/l 97
22) Diisopropyl ether	6.37	45	270183	19.010	ug/l 97
23) Vinyl Acetate	6.31	43	709781	90.588	ug/l 98
24) 1,1-Dichloroethane	6.27	63	164785	18.693	ug/l 100
25) 2-Butanone	7.22	43	116185	85.278	ug/l 97
26) 2,2-Dichloropropane	7.21	77	144294	18.865	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	99179	18.142	ug/l 98
28) Bromochloromethane	7.55	49	59220	18.107	ug/l 95
29) Tetrahydrofuran	7.57	42	72930	91.360	ug/l 99
30) Chloroform	7.71	83	167936	18.909	ug/l 99
31) Cyclohexane	7.98	56	156635	18.084	ug/l 97
32) 1,1,1-Trichloroethane	7.90	97	151793	19.102	ug/l 98
36) 1,1-Dichloropropene	8.11	75	135447	19.206	ug/l 99
37) Ethyl Acetate	7.30	43	52214	17.710	ug/l 97
38) Carbon Tetrachloride	8.10	117	137131	19.101	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151816	18.311	ug/l	97
40) Benzene	8.35	78	379117	19.045	ug/l	96
41) Methacrylonitrile	7.53	41	25071	14.728	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	103618	18.934	ug/l	99
43) Isopropyl Acetate	8.46	43	99778	18.611	ug/l	99
44) Trichloroethene	9.11	130	102463	18.569	ug/l	96
45) 1,2-Dichloropropane	9.39	63	92700	18.728	ug/l	98
46) Dibromomethane	9.48	93	48259	18.949	ug/l	97
47) Bromodichloromethane	9.67	83	125513	18.701	ug/l	96
48) Methyl methacrylate	9.46	41	45689	18.437	ug/l	95
49) 1,4-Dioxane	9.47	88	10874	364.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	250597	92.028	ug/l	98
52) Toluene	10.41	92	239401	19.430	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	114318	18.376	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	139661	18.591	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67523	18.837	ug/l	97
56) Ethyl methacrylate	10.67	69	74869	18.096	ug/l	99
57) 1,3-Dichloropropane	10.95	76	114909	18.835	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	118561	90.892	ug/l	100
59) 2-Hexanone	10.99	43	176926	90.765	ug/l	99
60) Dibromochloromethane	11.14	129	86555	18.865	ug/l	99
61) 1,2-Dibromoethane	11.25	107	64675	19.056	ug/l	98
64) Tetrachloroethene	10.88	164	87232	18.769	ug/l	97
65) Chlorobenzene	11.67	112	249009	18.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	93087	18.968	ug/l	99
67) Ethyl Benzene	11.75	91	437120	18.979	ug/l	99
68) m/p-Xylenes	11.86	106	339743	38.555	ug/l	99
69) o-Xylene	12.18	106	148623	19.037	ug/l	100
70) Styrene	12.20	104	264846	19.108	ug/l	100
71) Bromoform	12.37	173	49152	18.050	ug/l #	98
73) Isopropylbenzene	12.48	105	406000	19.081	ug/l	99
74) N-amyl acetate	12.30	43	86386	18.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70770	18.429	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	93168	34.071	ug/l #	100
77) Bromobenzene	12.77	156	102130	19.329	ug/l	99
78) n-propylbenzene	12.83	91	497696	19.464	ug/l	100
79) 2-Chlorotoluene	12.91	91	274925	19.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	338365	19.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22534	17.793	ug/l	100
82) 4-Chlorotoluene	13.01	91	291939	19.197	ug/l	99
83) tert-Butylbenzene	13.23	119	279554	19.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	342173	19.507	ug/l	99
85) sec-Butylbenzene	13.41	105	407857	19.270	ug/l	99
86) p-Isopropyltoluene	13.53	119	371588	19.198	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193877	18.981	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189588	18.806	ug/l	99
89) n-Butylbenzene	13.86	91	338892	19.001	ug/l	99
90) Hexachloroethane	14.12	117	75432	19.194	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	165270	18.844	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11054	18.679	ug/l	99

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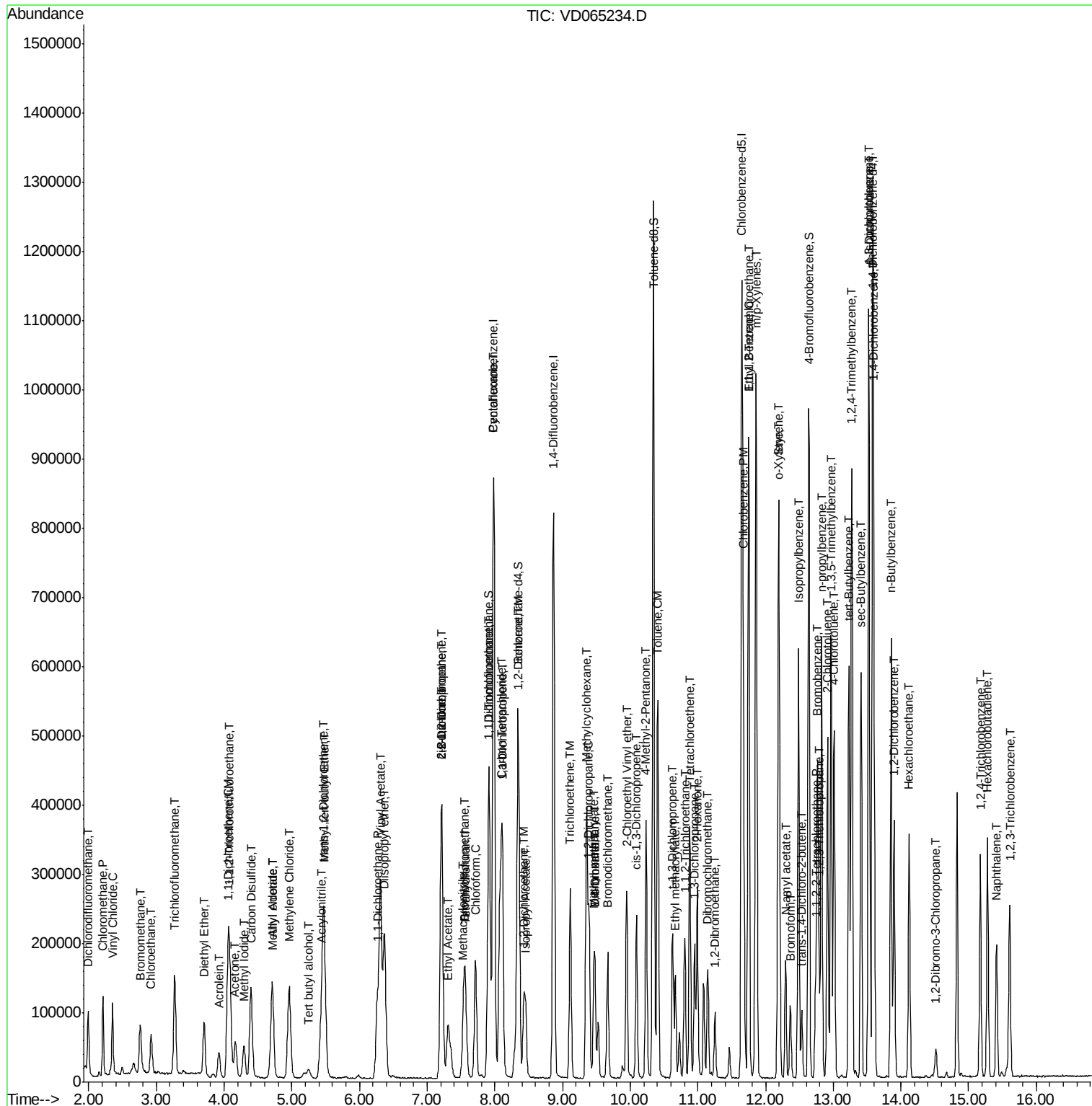
Instrument :
MSVOA_D
ClientSampleId :

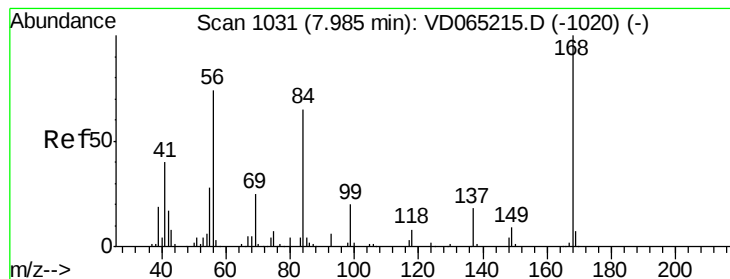
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108790	18.963	ug/l	97
94) Hexachlorobutadiene	15.28	225	70692	19.209	ug/l	99
95) Naphthalene	15.41	128	165766	17.774	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	94510	18.863	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065234.D

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Instrument :

MSVOA_D

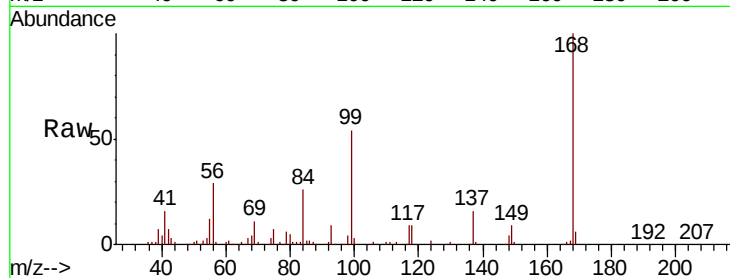
ClientSampleId :

Tot Ion:168 Resp: 489670

Ion Ratio Lower Upper

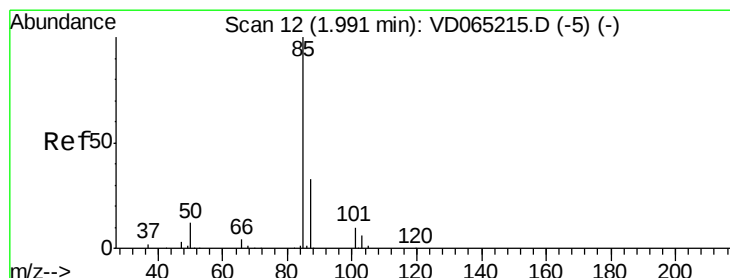
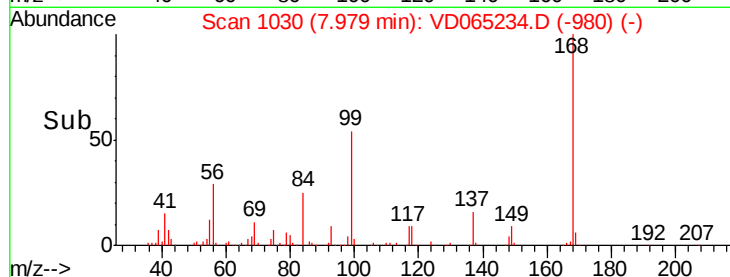
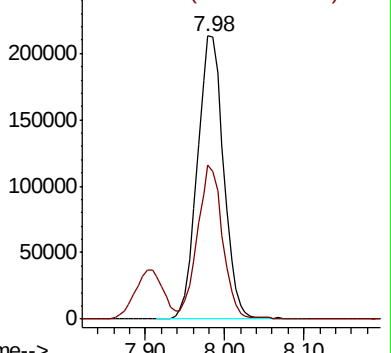
168 100

99 54.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 16.762 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065234.D

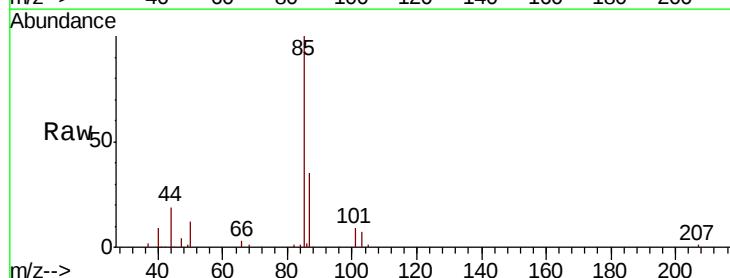
Acq: 19 Feb 2020 13:01

Tgt Ion: 85 Resp: 68844

Ion Ratio Lower Upper

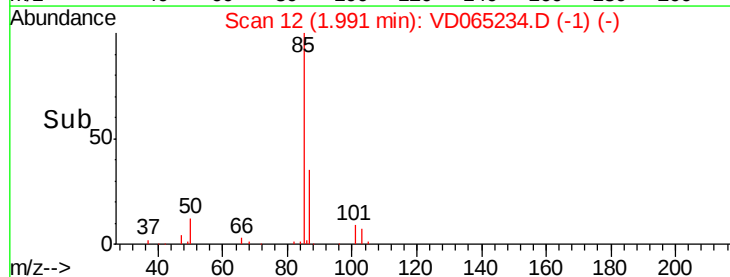
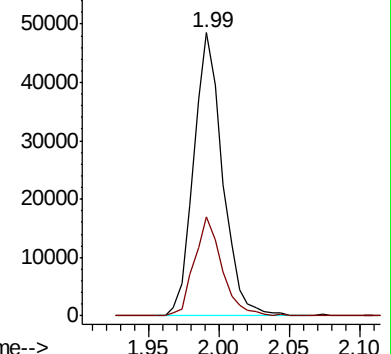
85 100

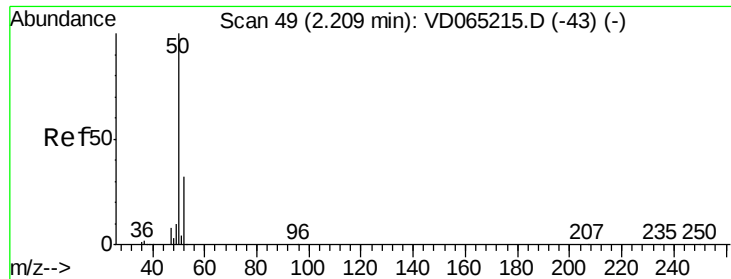
87 35.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.552 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

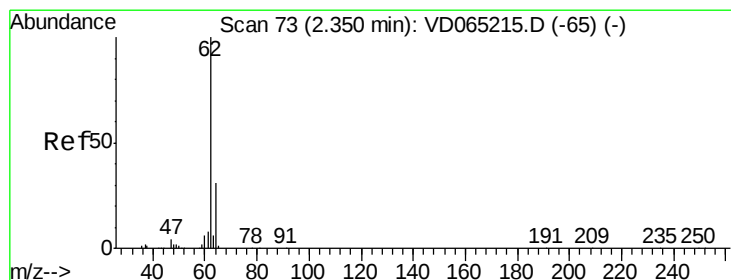
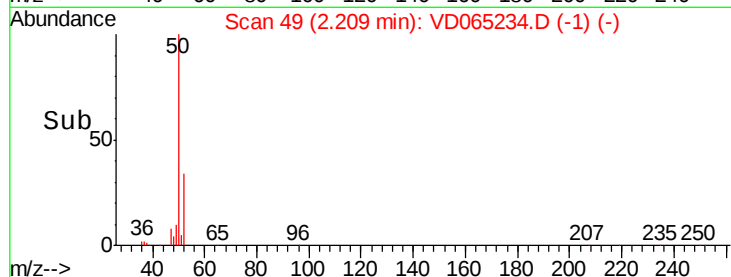
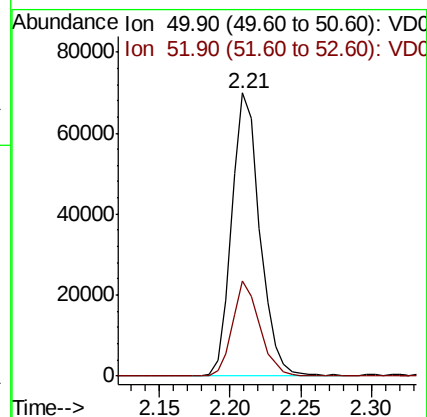
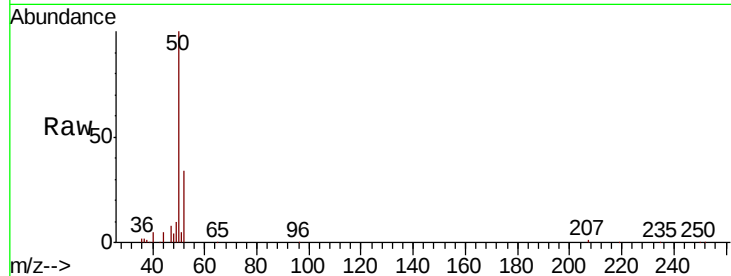
ClientSampleId :

Tot Ion: 50 Resp: 96982

Ion Ratio Lower Upper

50 100

52 33.6 25.5 38.3



#4

Vinyl Chloride

Concen: 17.807 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065234.D

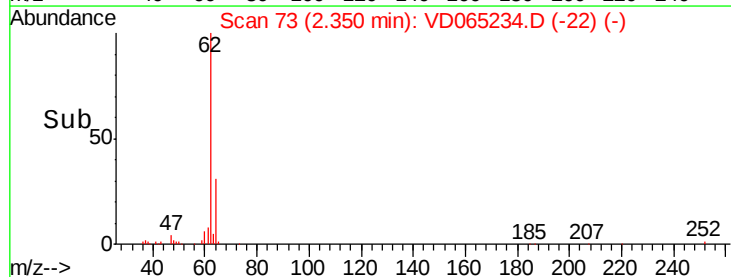
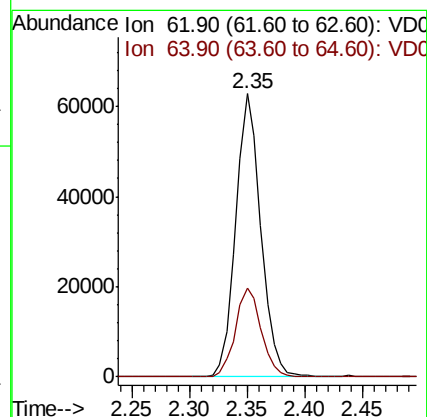
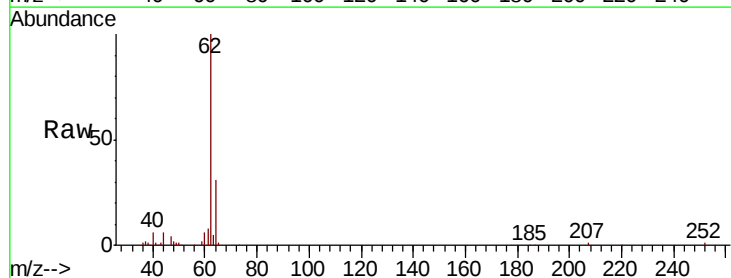
Acq: 19 Feb 2020 13:01

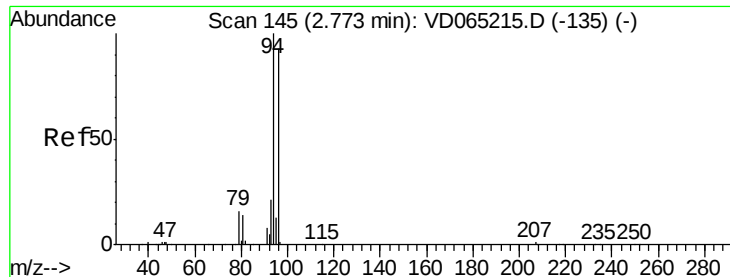
Tgt Ion: 62 Resp: 94655

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6





#5

Bromomethane

Concen: 17.642 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

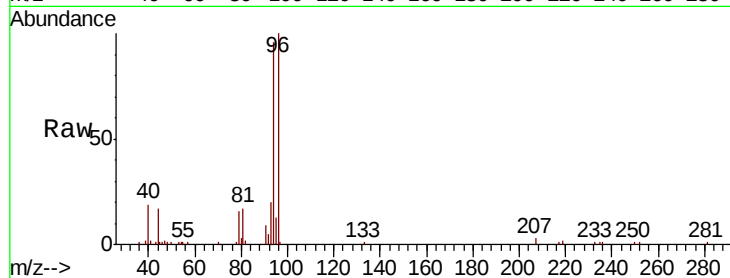
ClientSampleId :

Tot Ion: 94 Resp: 56702

Ion Ratio Lower Upper

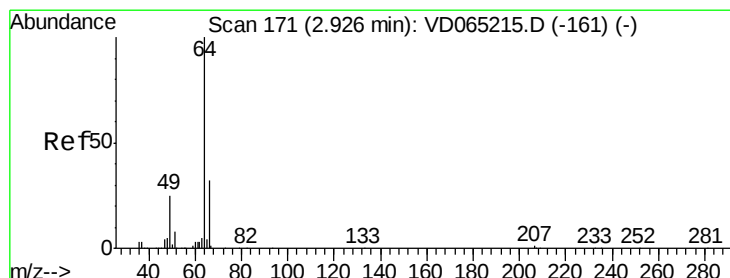
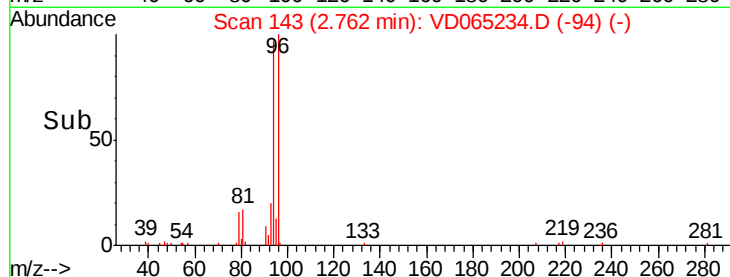
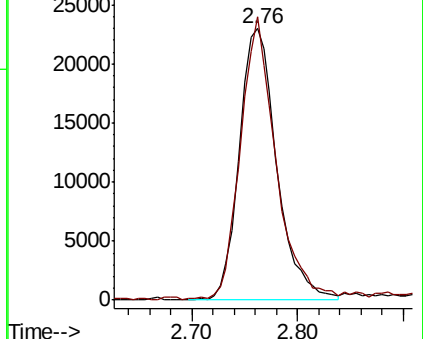
94 100

96 103.5 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.938 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065234.D

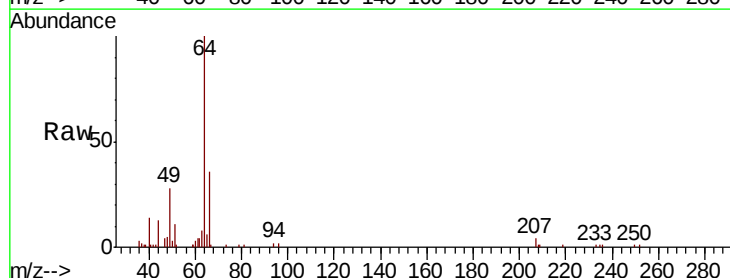
Acq: 19 Feb 2020 13:01

Tgt Ion: 64 Resp: 58204

Ion Ratio Lower Upper

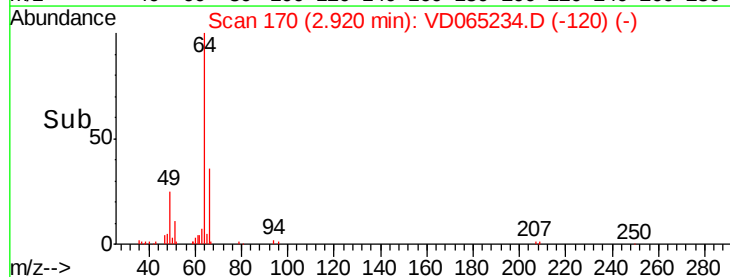
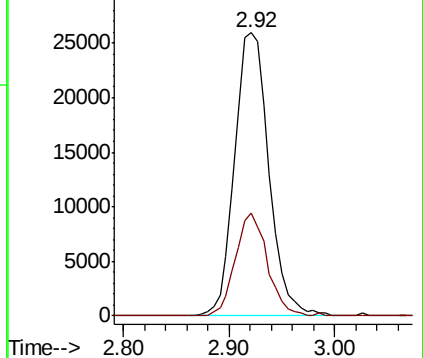
64 100

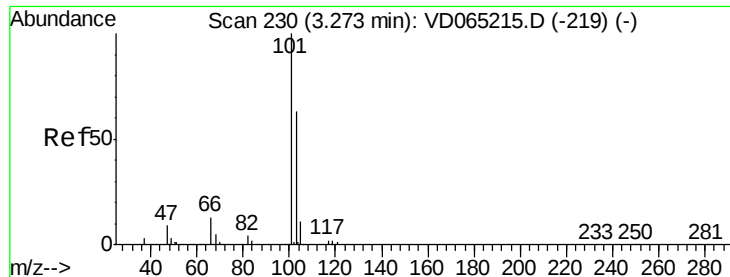
66 36.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



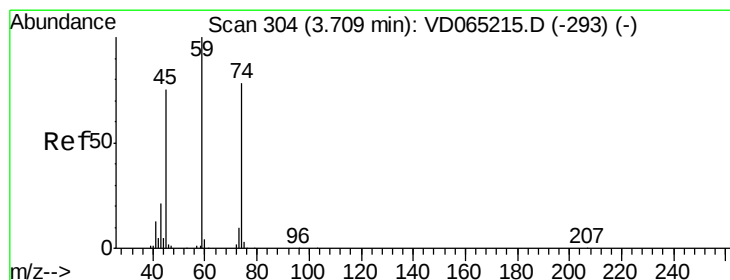
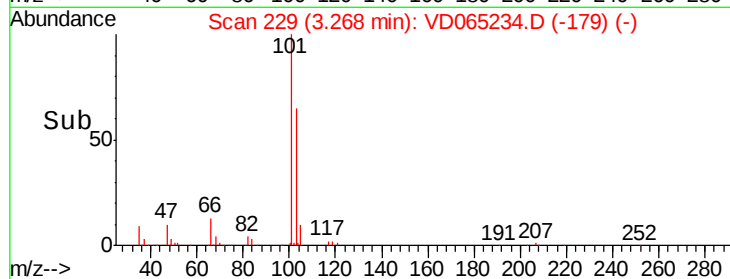
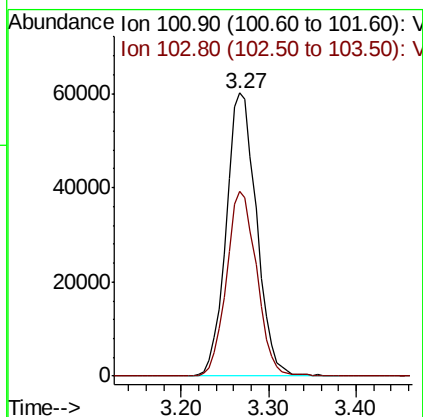
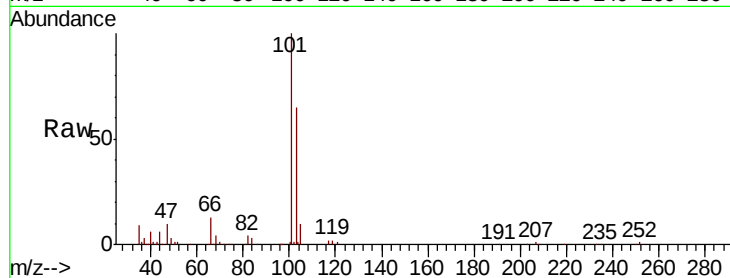


#7

Trichlorofluoromethane
Concen: 18.627 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

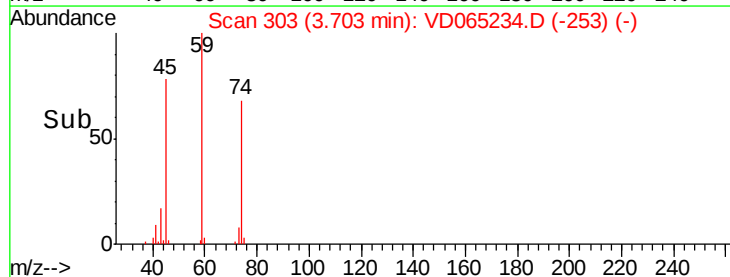
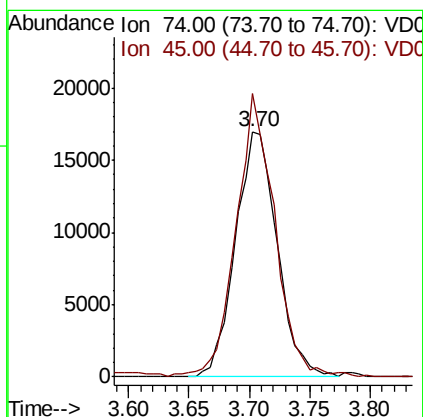
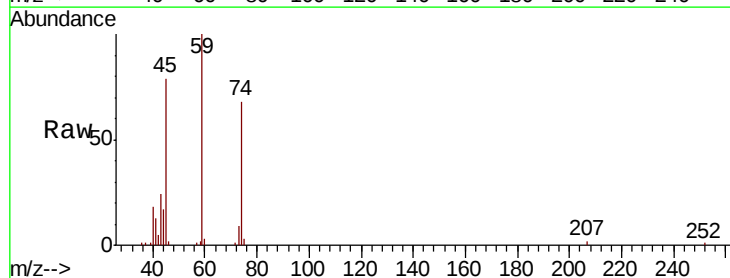
Tot Ion:101 Resp: 141760
Ion Ratio Lower Upper
101 100
103 65.2 50.7 76.1

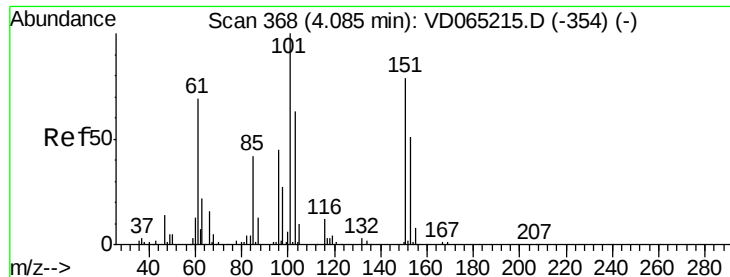


#8

Diethyl Ether
Concen: 17.757 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 74 Resp: 40791
Ion Ratio Lower Upper
74 100
45 106.7 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.674 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065234.D

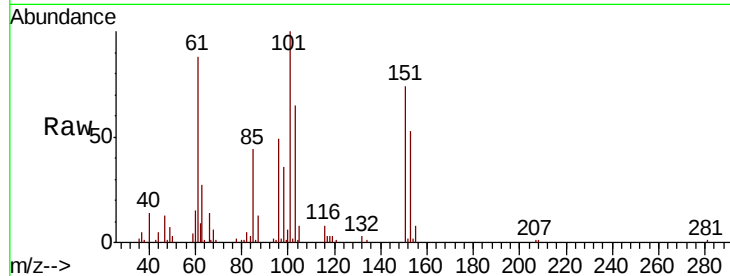
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Instrument :

MSVOA_D

ClientSampleId :

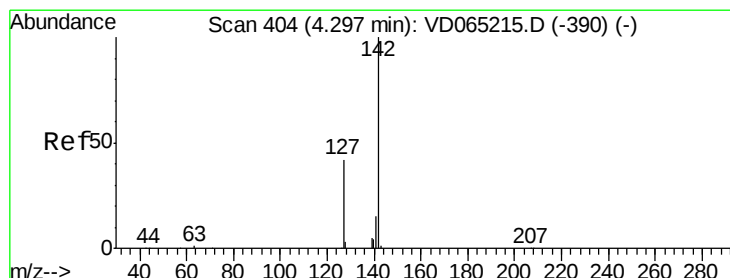
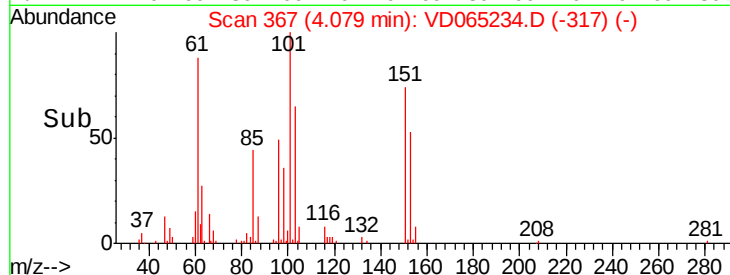
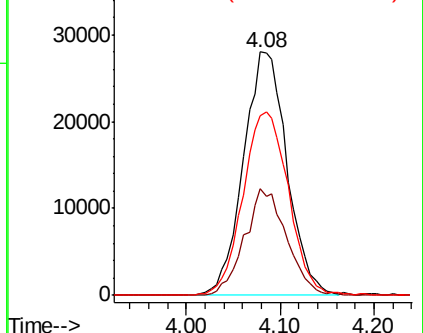
Tot Ion:101	Resp:	89747
Ion Ratio	Lower	Upper
101	100	
85	42.3	34.2 51.2
151	78.7	63.5 95.3



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: 15.781 ug/l

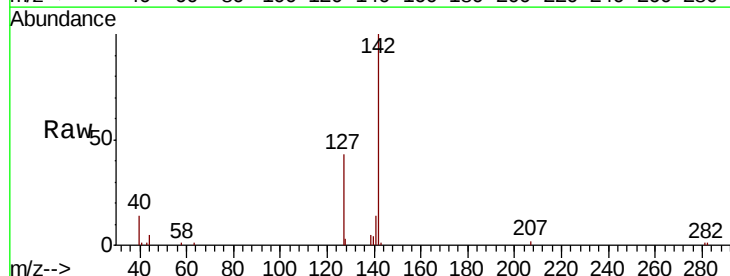
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

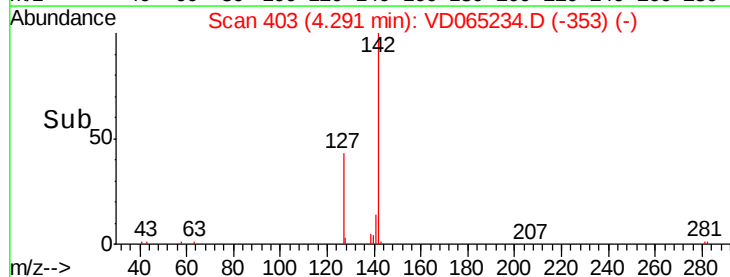
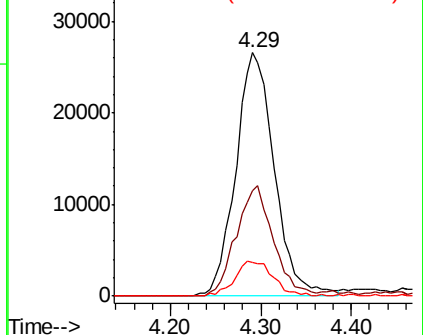
Tgt Ion:142	Resp:	78750
Ion Ratio	Lower	Upper
142	100	
127	43.3	33.8 50.8
141	14.3	11.7 17.5

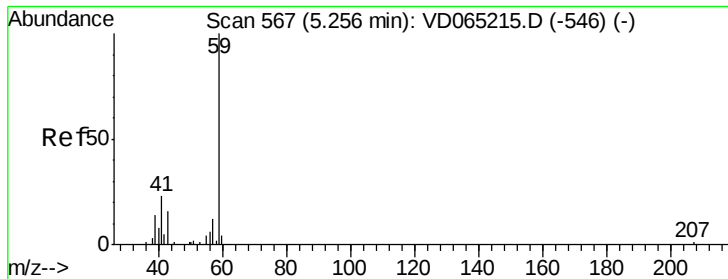


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



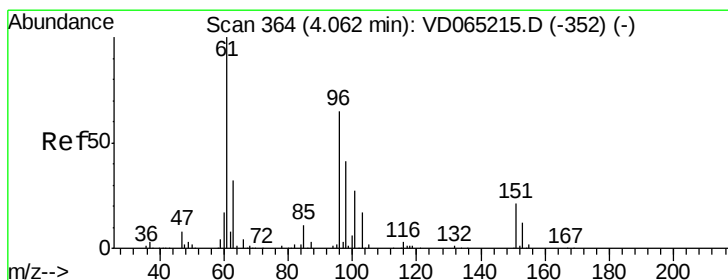
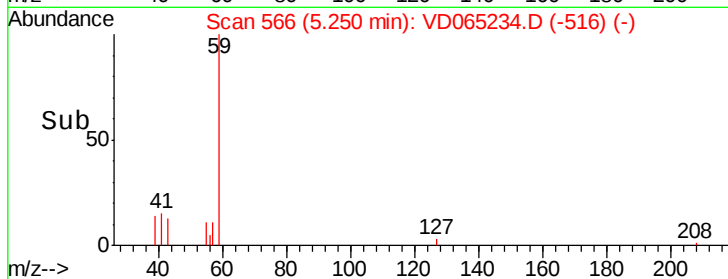
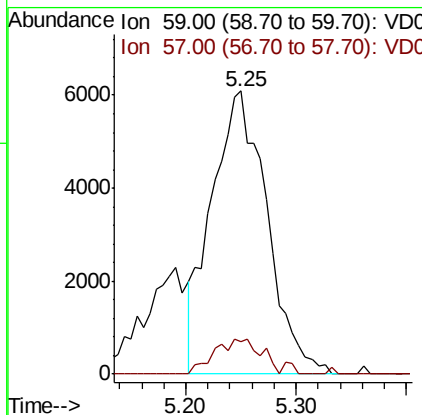
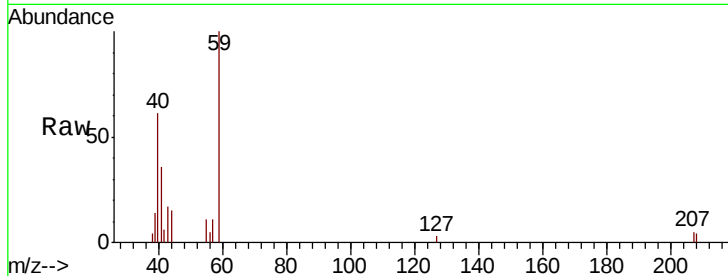


#11

Tert butyl alcohol
Concen: 80.769 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

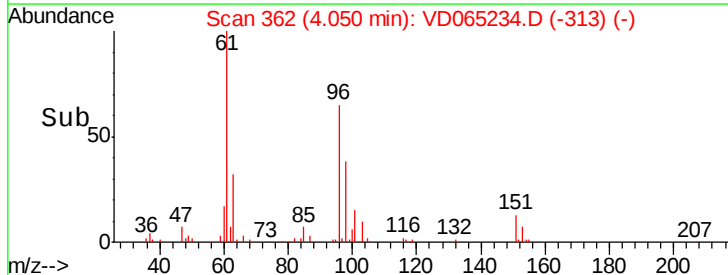
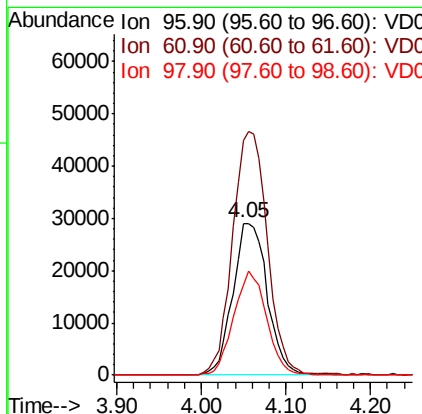
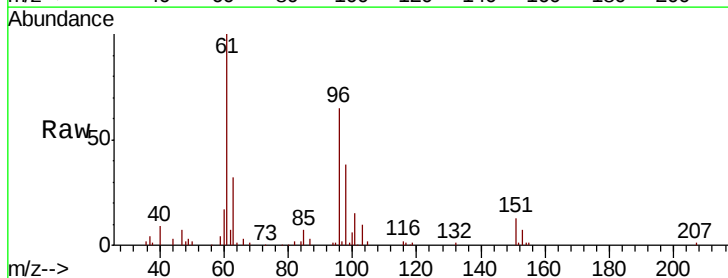
Tot Ion: 59 Resp: 21261
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6



#12

1,1-Dichloroethene
Concen: 18.055 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 96 Resp: 81968
Ion Ratio Lower Upper
96 100
61 154.6 123.3 184.9
98 59.5 51.0 76.4





#13

Acrolein

Concen: 118.428 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

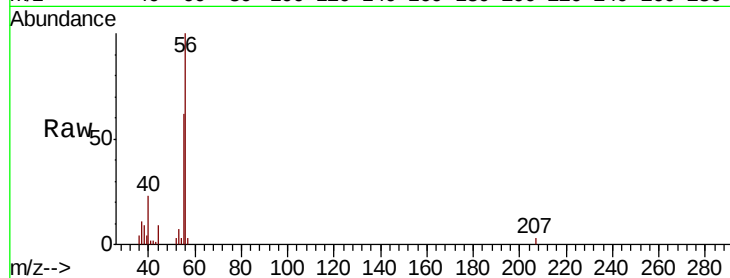
ClientSampleId :

Tot Ion: 56 Resp: 43150

Ion Ratio Lower Upper

56 100

55 67.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

15000

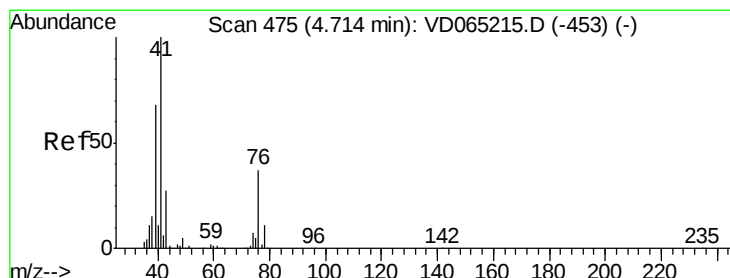
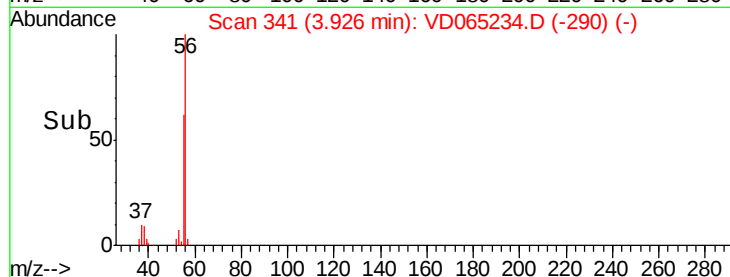
10000

5000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 18.112 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

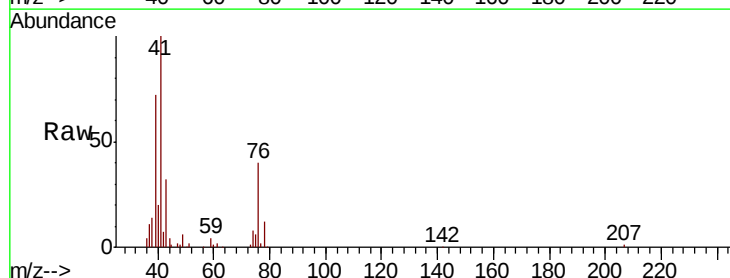
Tgt Ion: 41 Resp: 133529

Ion Ratio Lower Upper

41 100

39 67.0 53.8 80.6

76 36.0 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

30000

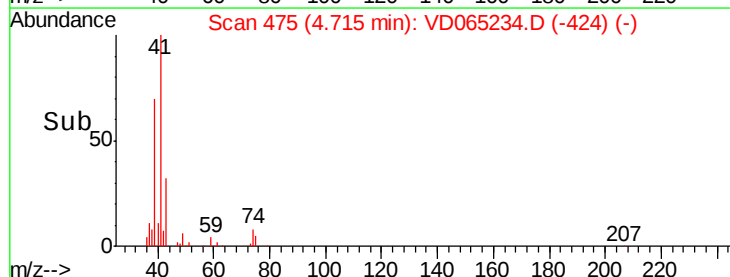
20000

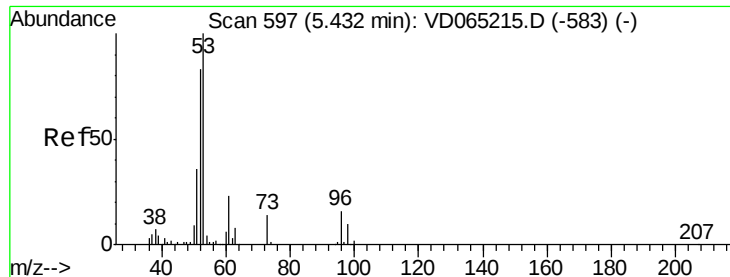
10000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 90.575 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampled :

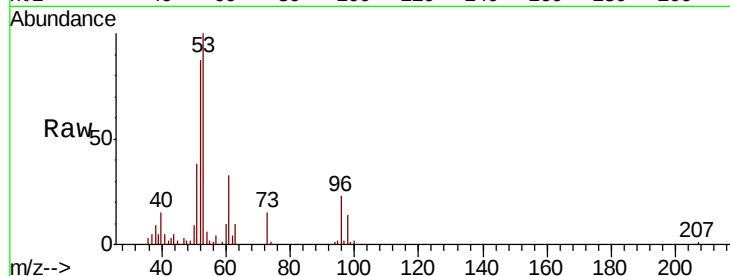
Tot Ion: 53 Resp: 92120

Ion Ratio Lower Upper

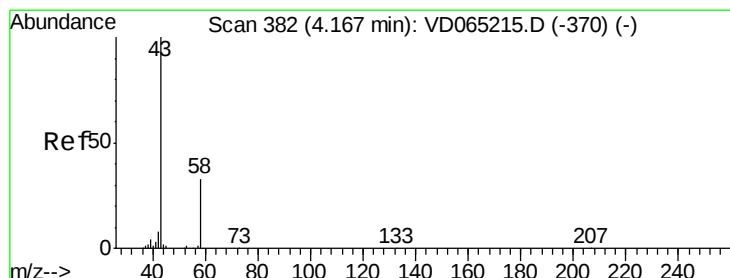
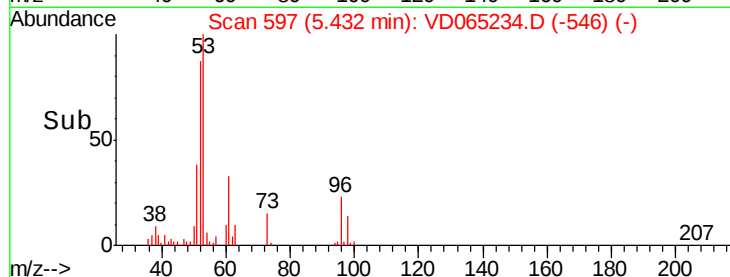
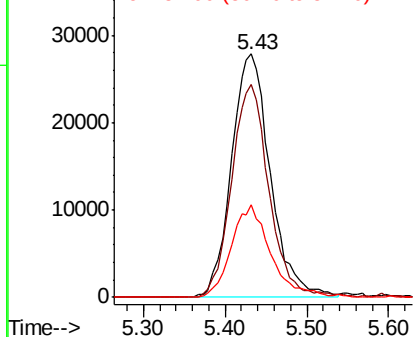
53 100

52 84.3 65.4 98.2

51 38.5 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: 85.219 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065234.D

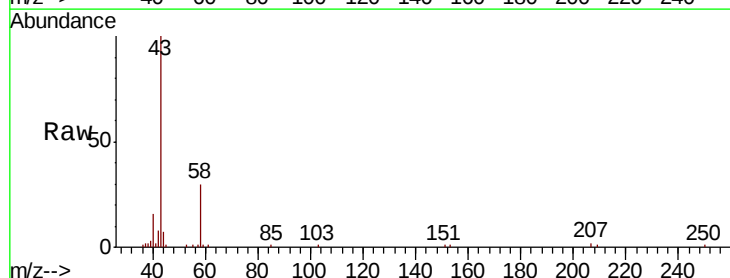
Acq: 19 Feb 2020 13:01

Tgt Ion: 43 Resp: 91766

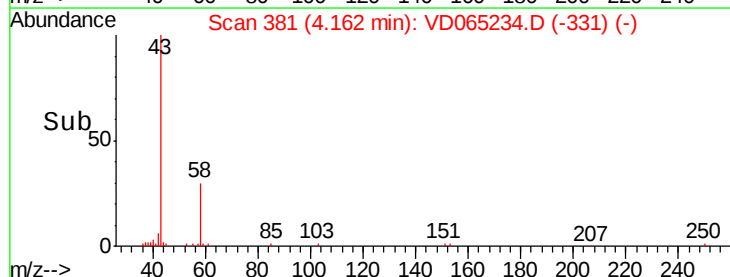
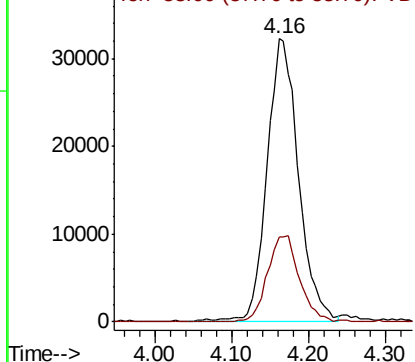
Ion Ratio Lower Upper

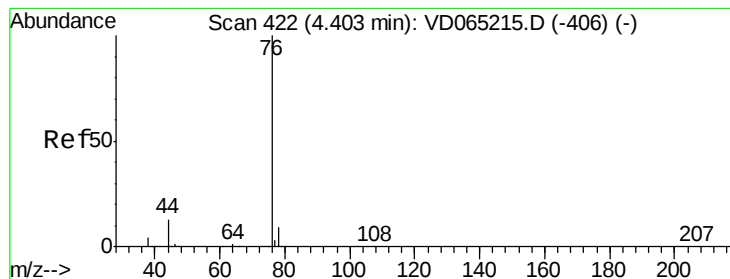
43 100

58 30.0 26.2 39.2



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





#17

Carbon Disulfide

Concen: 18.323 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

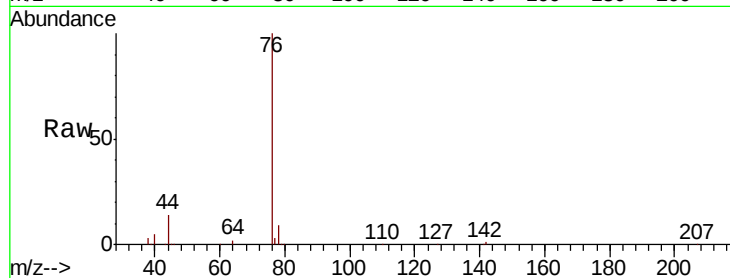
ClientSampled :

Tot Ion: 76 Resp: 278898

Ion Ratio Lower Upper

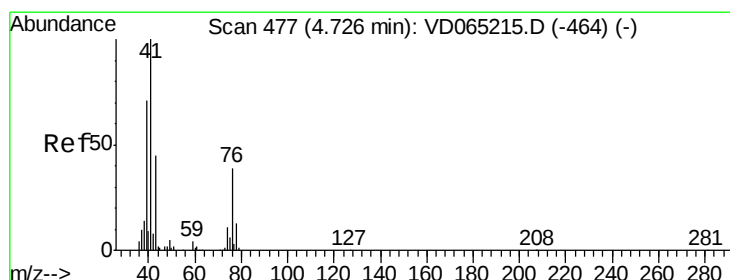
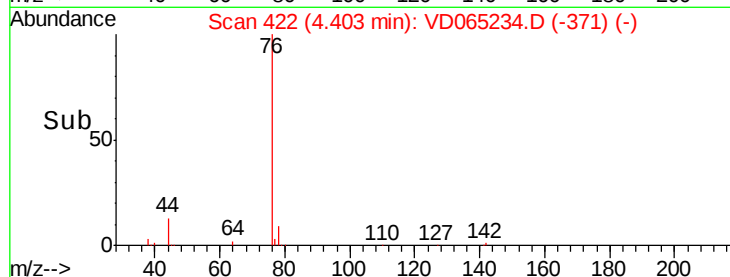
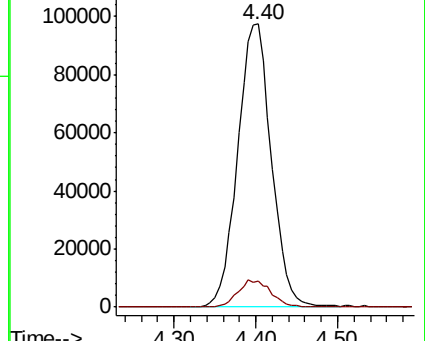
76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.546 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065234.D

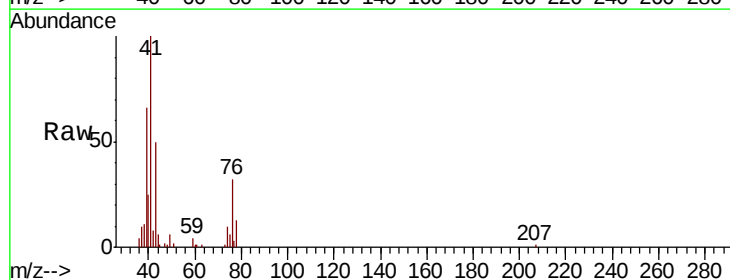
Acq: 19 Feb 2020 13:01

Tgt Ion: 43 Resp: 44916

Ion Ratio Lower Upper

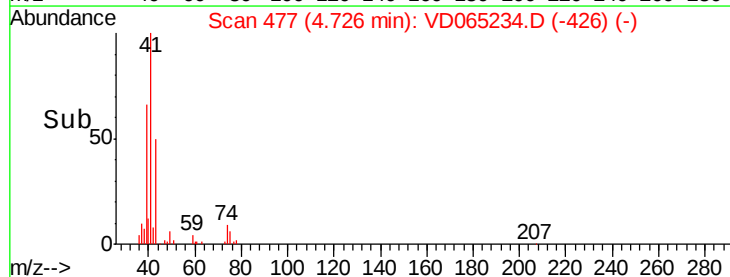
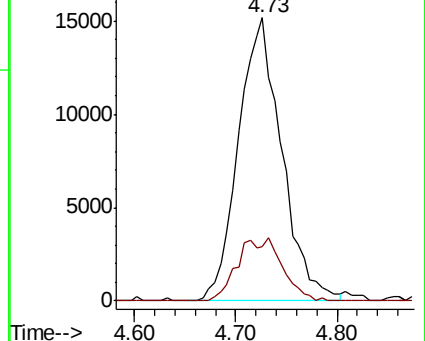
43 100

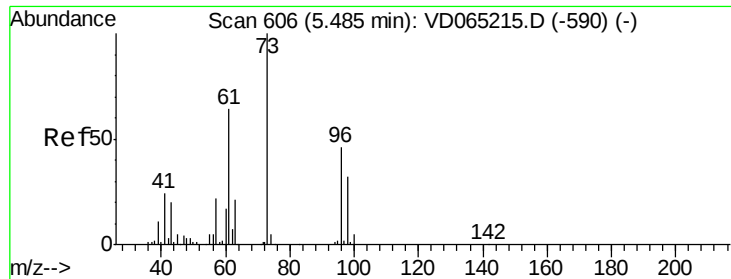
74 23.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



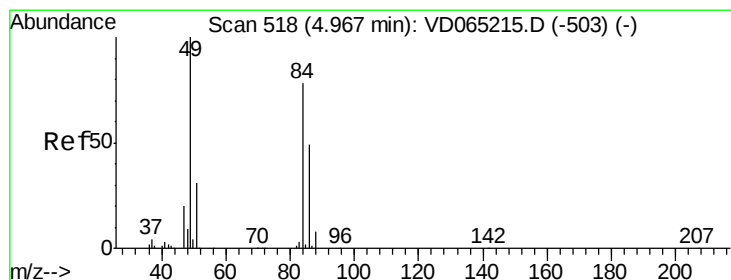
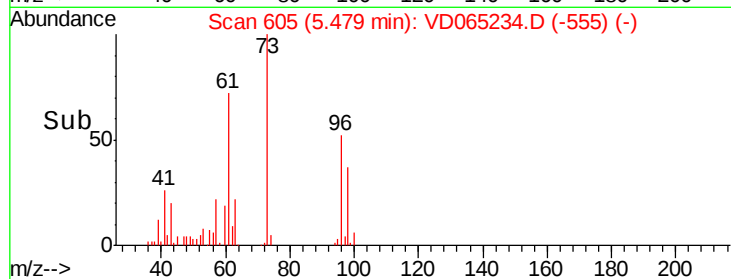
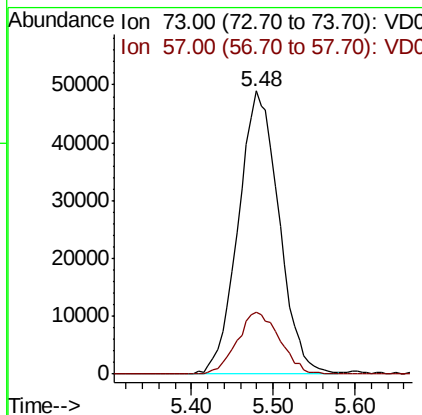
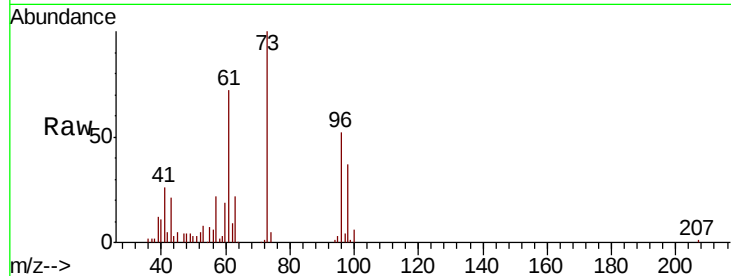


#19

Methyl tert-butyl Ether
 Concen: 17.853 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

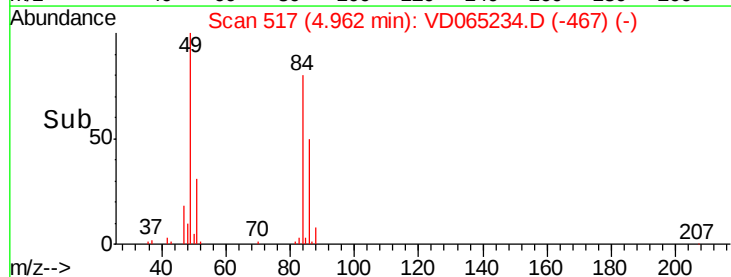
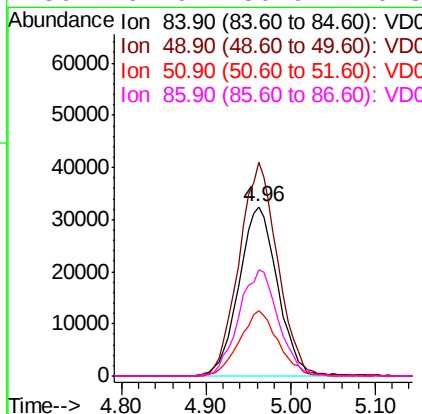
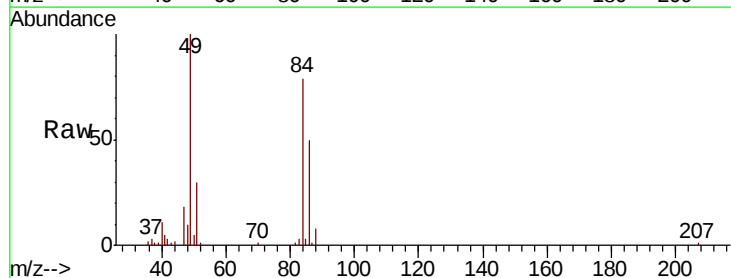
Tot Ion: 73 Resp: 169026
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.3 25.9

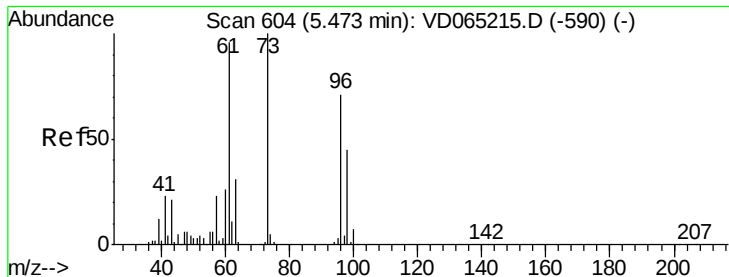


#20

Methylene Chloride
 Concen: 18.480 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion: 84 Resp: 102517
 Ion Ratio Lower Upper
 84 100
 49 126.3 103.1 154.7
 51 38.3 31.7 47.5
 86 62.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 18.671 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampled :

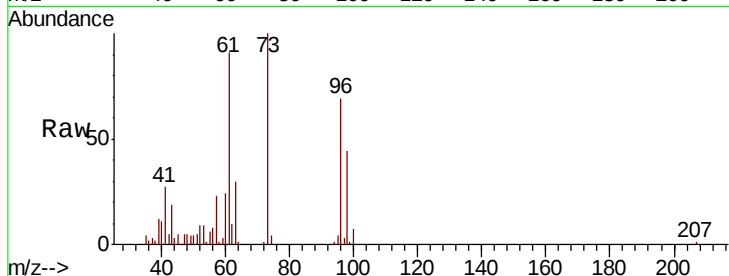
Tot Ion: 96 Resp: 96364

Ion Ratio Lower Upper

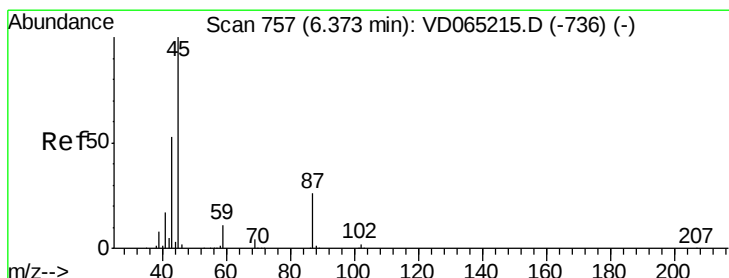
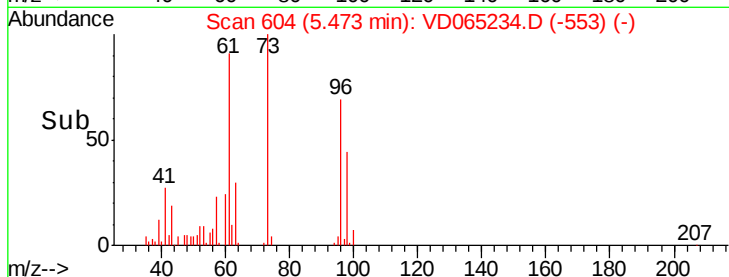
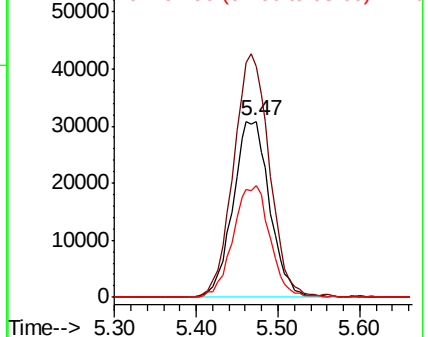
96 100

61 130.6 108.3 162.5

98 63.0 50.7 76.1



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



#22

Diisopropyl ether

Concen: 19.010 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Tgt Ion: 45 Resp: 270183

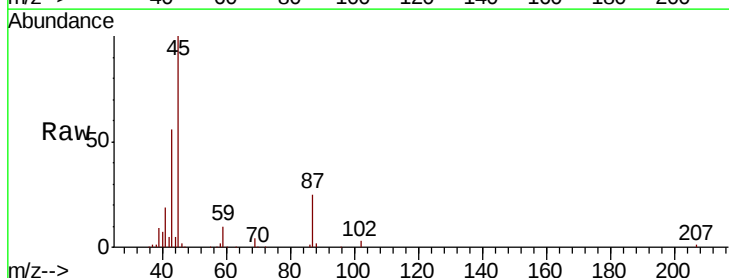
Ion Ratio Lower Upper

45 100

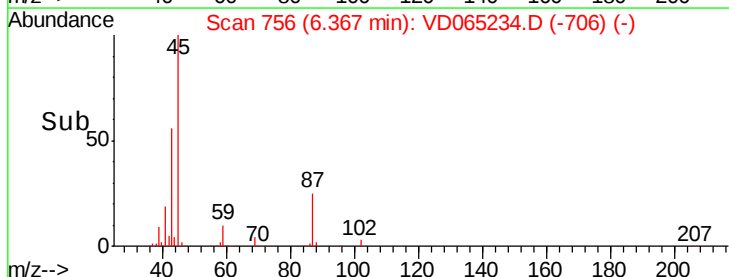
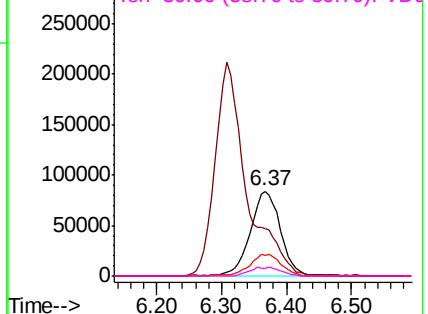
43 54.7 42.6 64.0

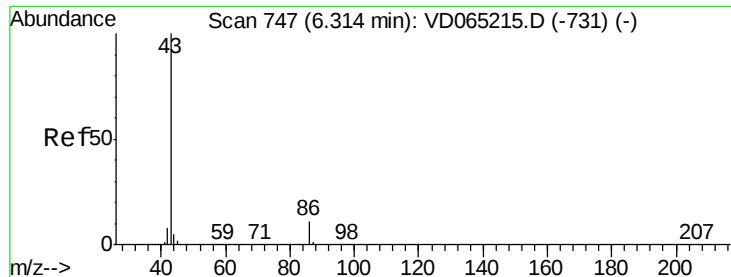
87 24.9 21.2 31.8

59 9.4 8.9 13.3



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





#23

Vinyl Acetate

Concen: 90.588 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

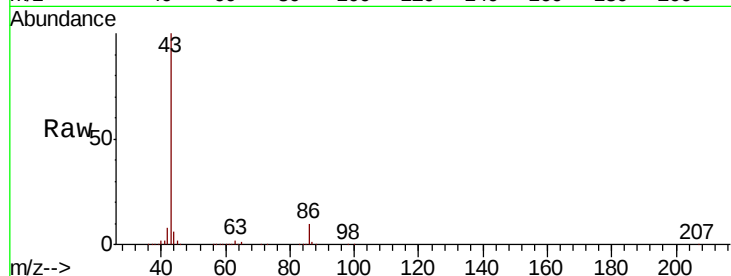
ClientSampleId :

Tot Ion: 43 Resp: 709781

Ion Ratio Lower Upper

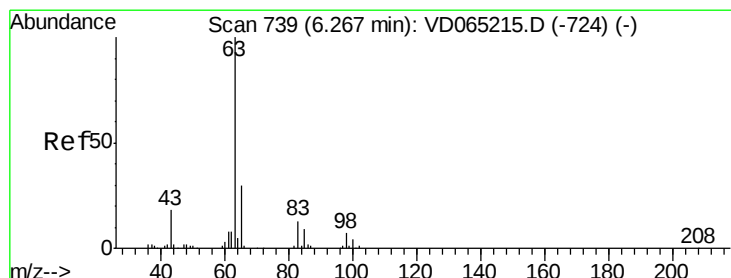
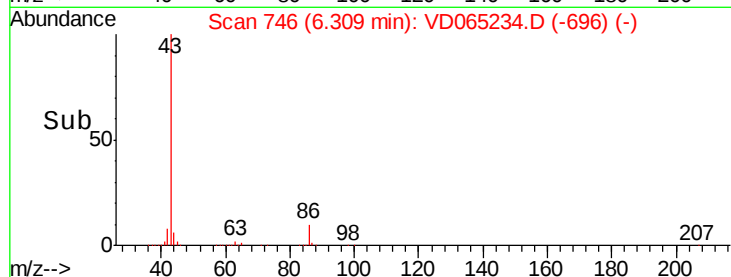
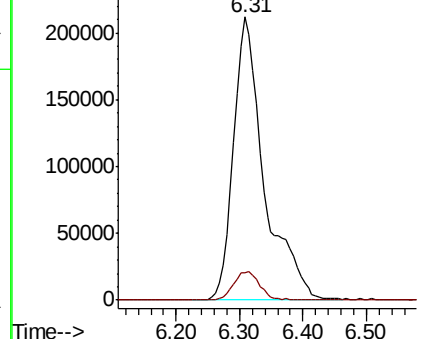
43 100

86 9.9 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.693 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

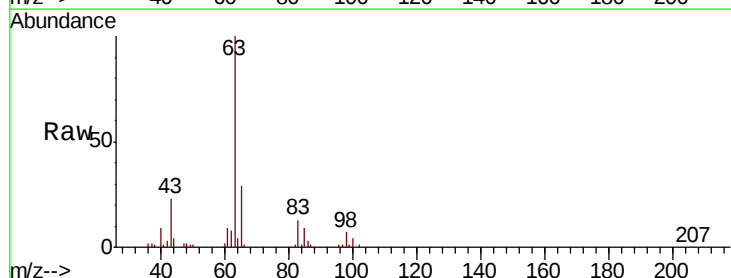
Tgt Ion: 63 Resp: 164785

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

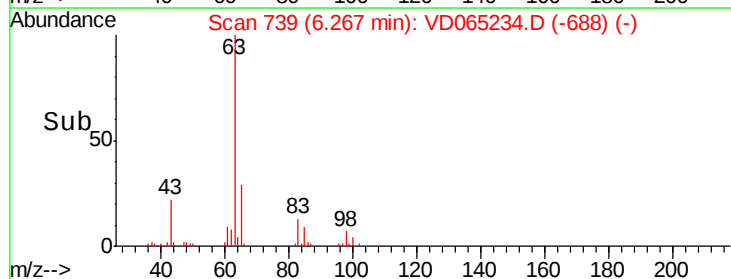
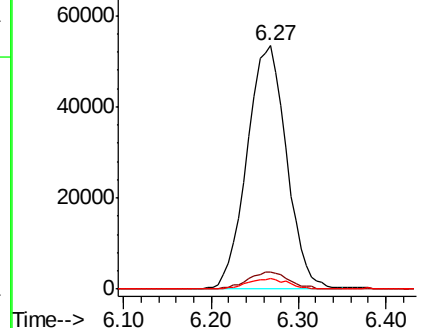
100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 85.278 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

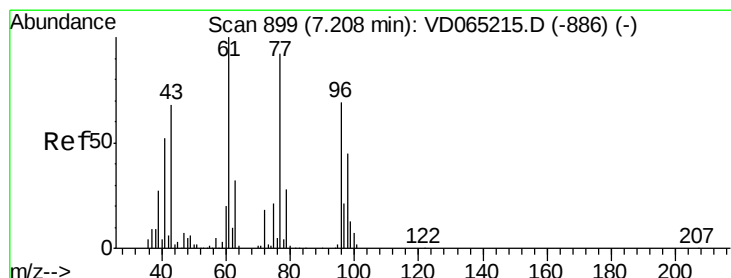
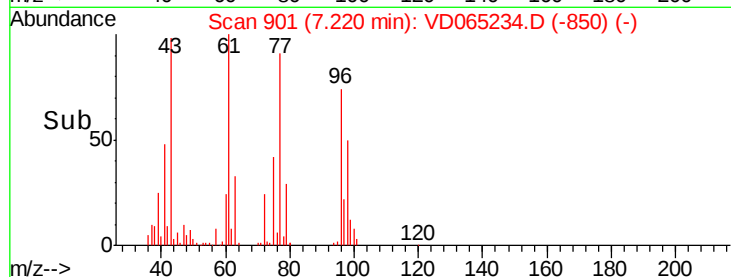
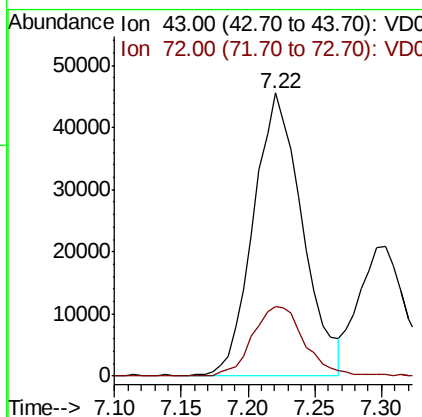
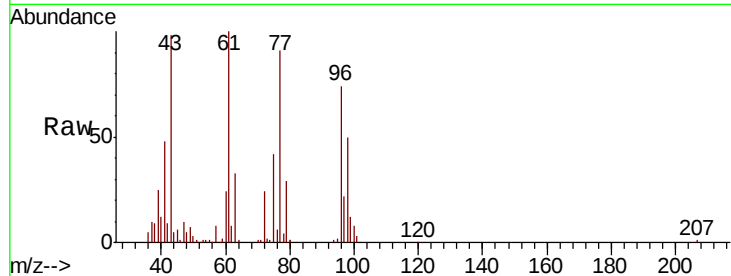
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 116185

Ion Ratio Lower Upper

43 100

72 24.5 20.9 31.3



#26

2,2-Dichloropropane

Concen: 18.865 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065234.D

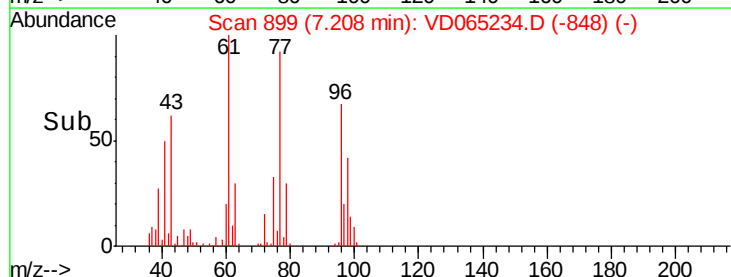
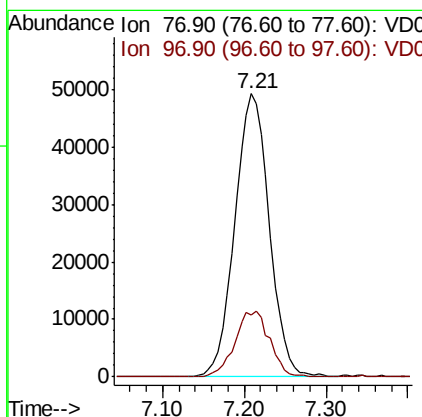
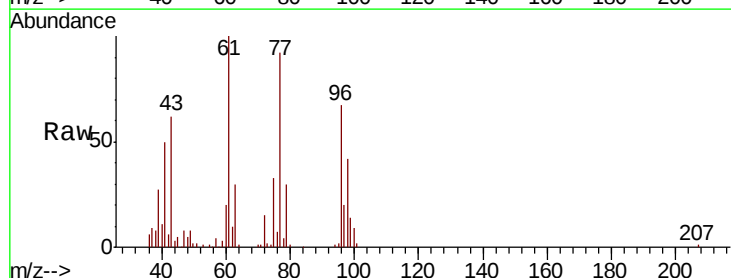
Acq: 19 Feb 2020 13:01

Tgt Ion: 77 Resp: 144294

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1

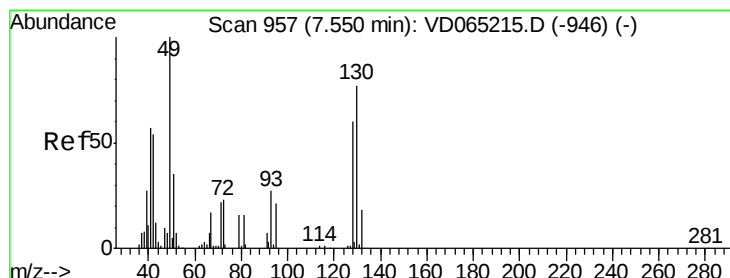
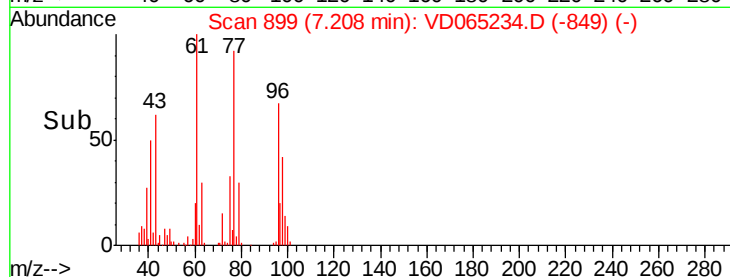
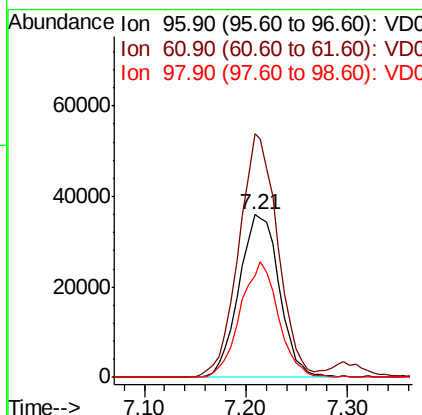
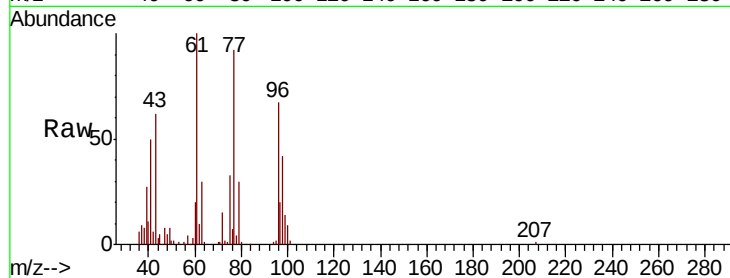




#27
 cis-1,2-Dichloroethene
 Concen: 18.142 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

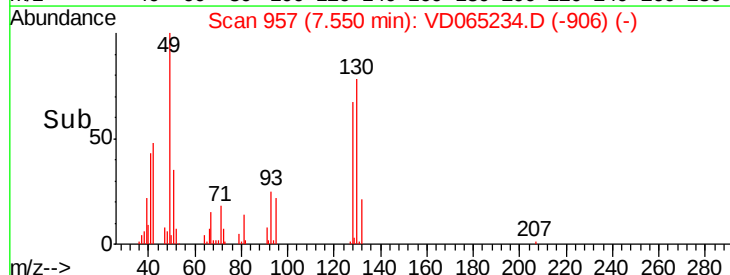
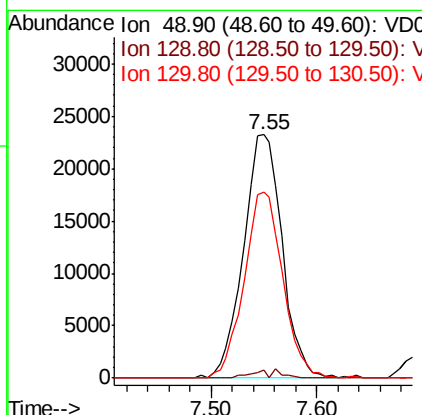
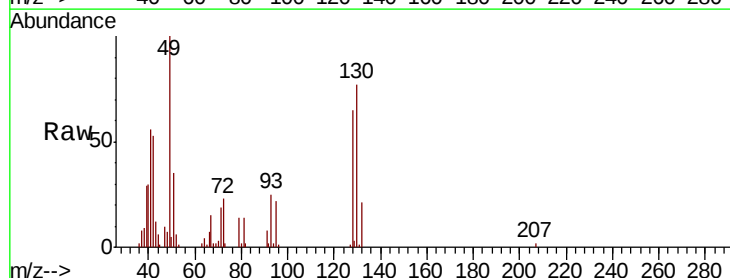
Instrument :
 MSVOA_D
 ClientSampleId :

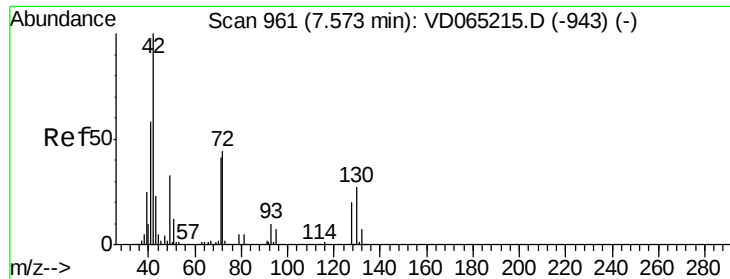
Tot Ion: 96 Resp: 99179
 Ion Ratio Lower Upper
 96 100
 61 144.2 0.0 286.0
 98 66.8 0.0 127.8



#28
 Bromochloromethane
 Concen: 18.107 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion: 49 Resp: 59220
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.6
 130 76.2 64.7 97.1

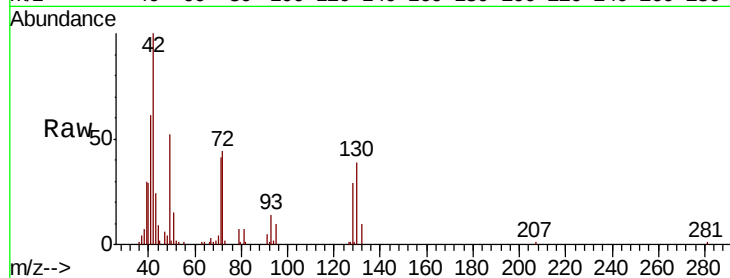




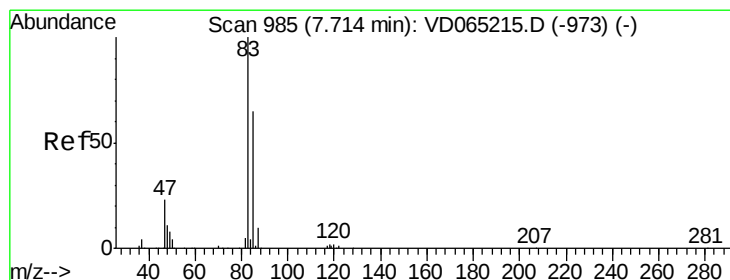
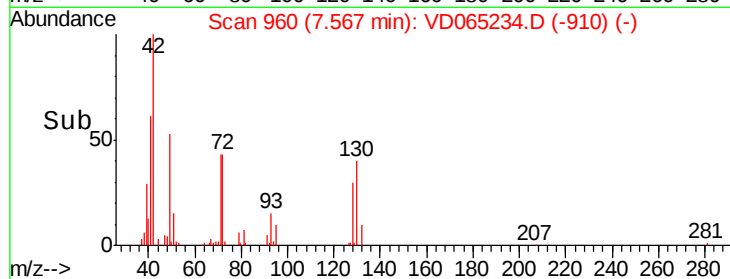
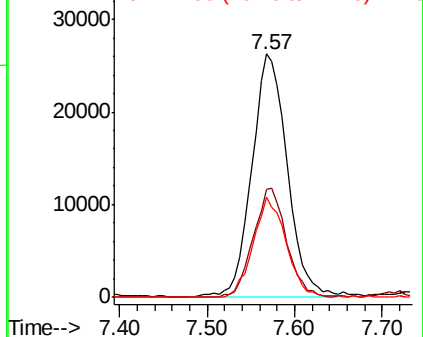
#29
Tetrahydrofuran
Concen: 91.360 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 72930
Ion Ratio Lower Upper
42 100
72 41.9 33.7 50.5
71 38.1 31.4 47.2

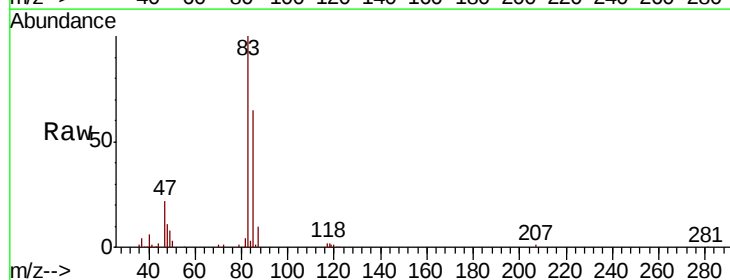


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

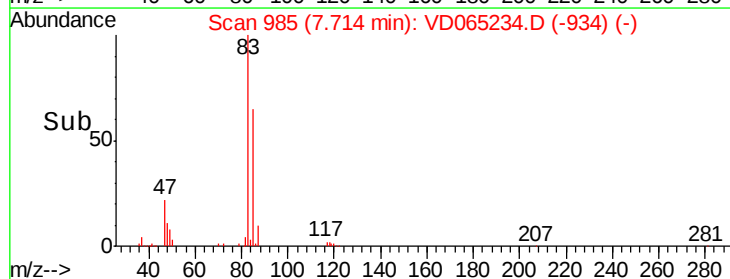
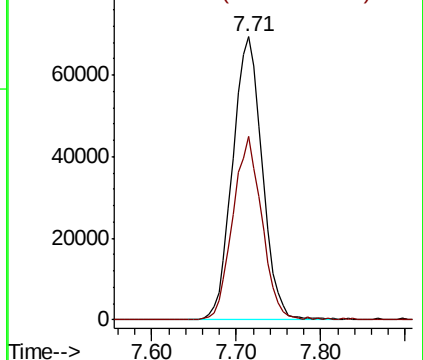


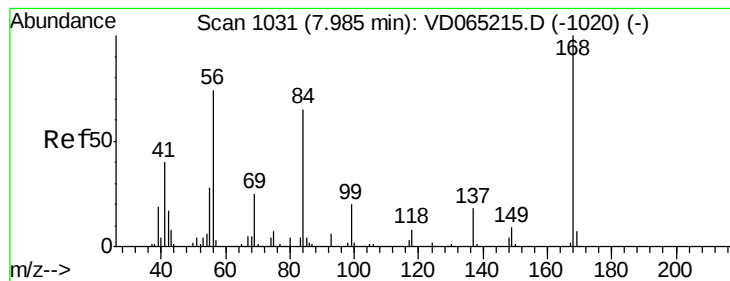
#30
Chloroform
Concen: 18.909 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 83 Resp: 167936
Ion Ratio Lower Upper
83 100
85 64.8 52.3 78.5



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





#31

Cyclohexane

Concen: 18.084 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

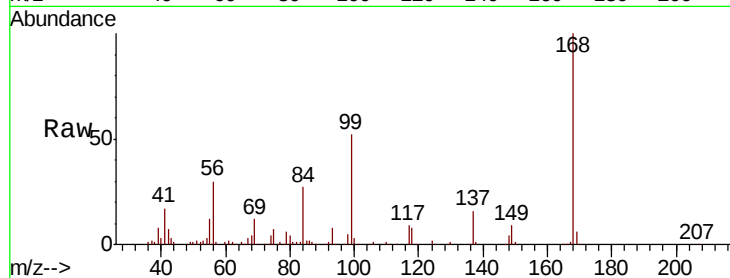
Tot Ion: 56 Resp: 156635

Ion Ratio Lower Upper

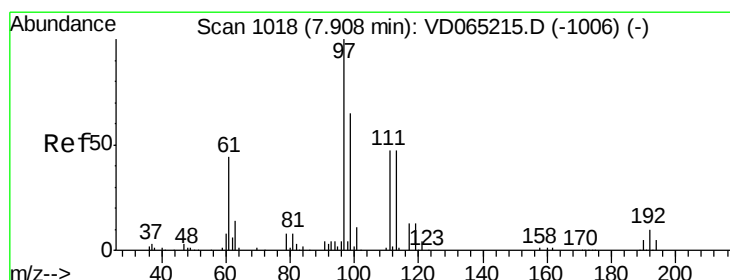
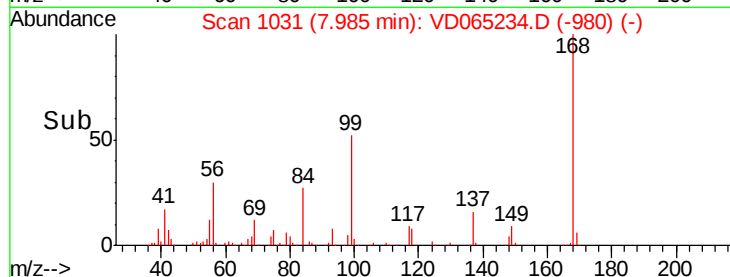
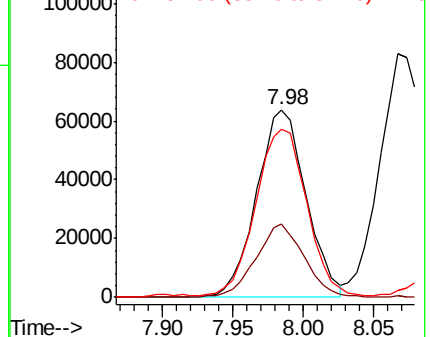
56 100

69 39.3 27.4 41.0

84 88.8 71.1 106.7



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



#32

1,1,1-Trichloroethane

Concen: 19.102 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

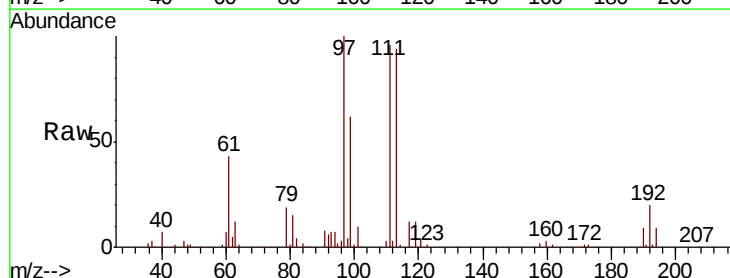
Tgt Ion: 97 Resp: 151793

Ion Ratio Lower Upper

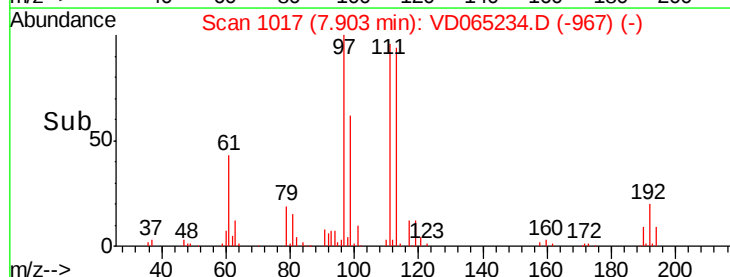
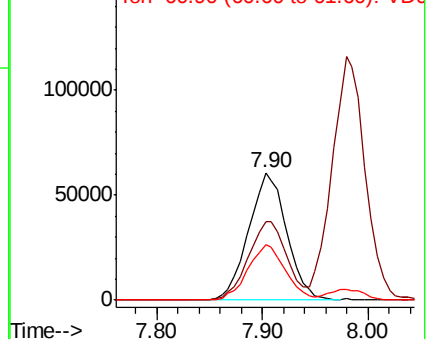
97 100

99 61.6 51.4 77.2

61 42.8 34.8 52.2



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

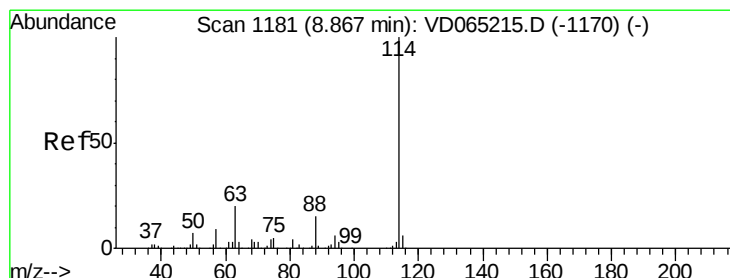
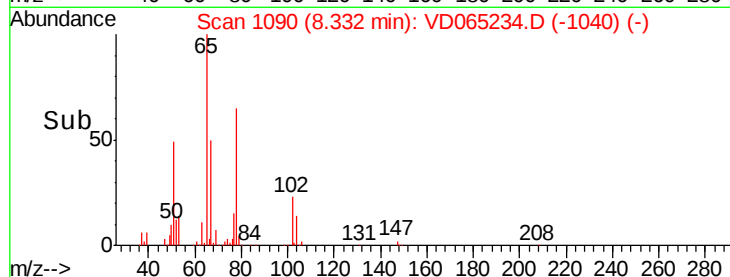
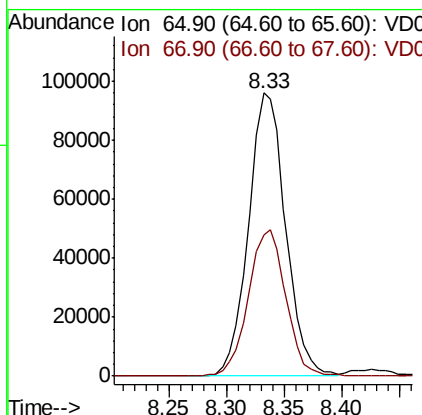
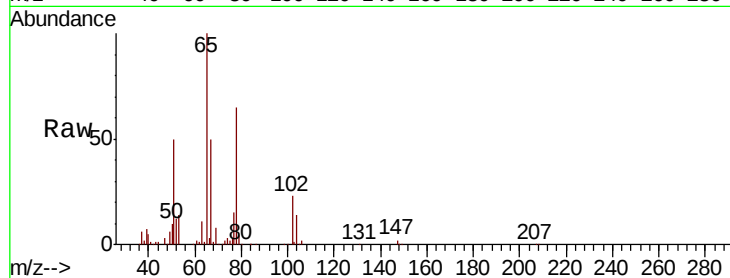




#33
 1,2-Dichloroethane-d4
 Concen: 48.811 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

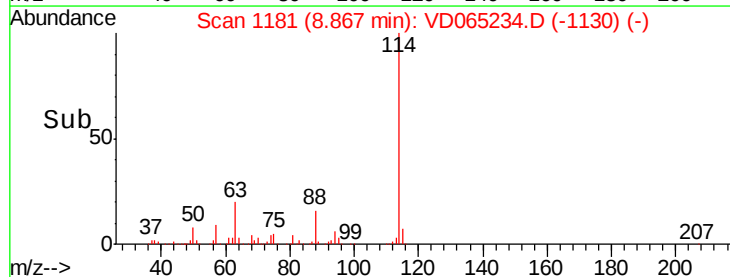
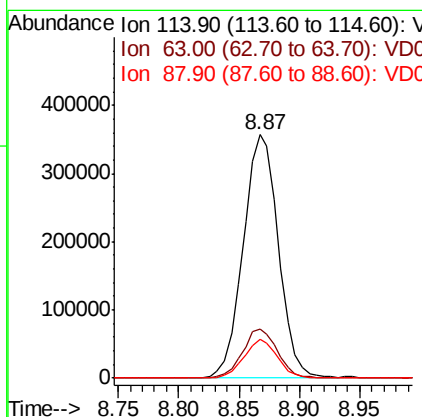
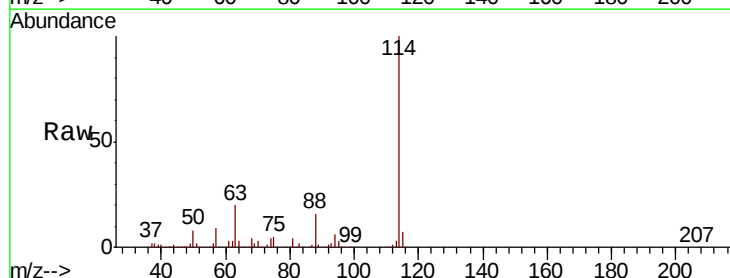
Instrument :
 MSVOA_D
 ClientSampled :

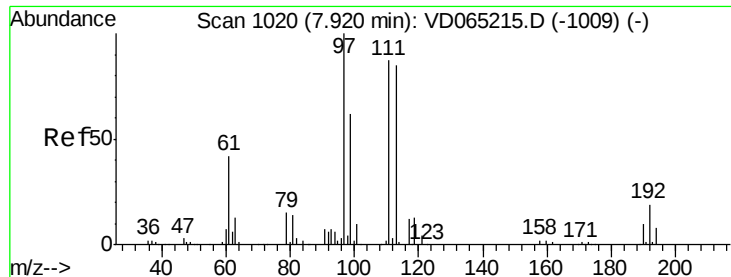
Tot Ion: 65 Resp: 215020
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion: 114 Resp: 724806
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.7 0.0 30.4

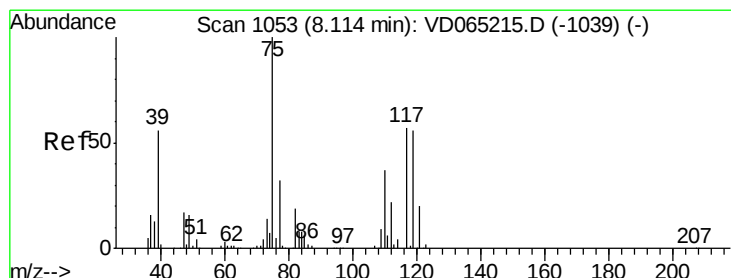
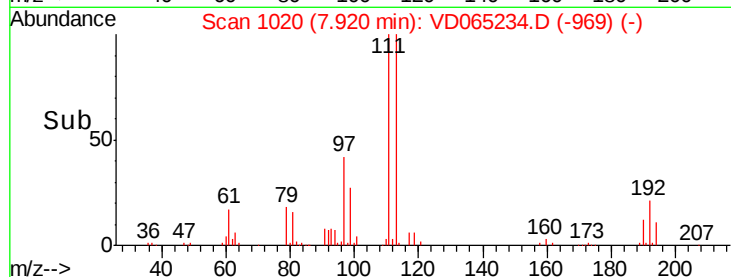
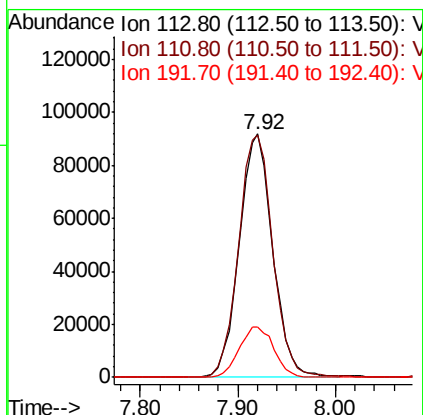
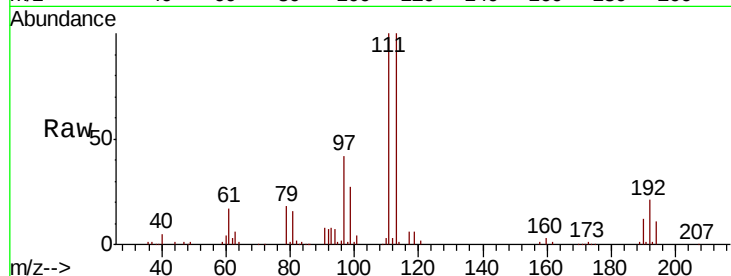




#35
 Dibromofluoromethane
 Concen: 49.697 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

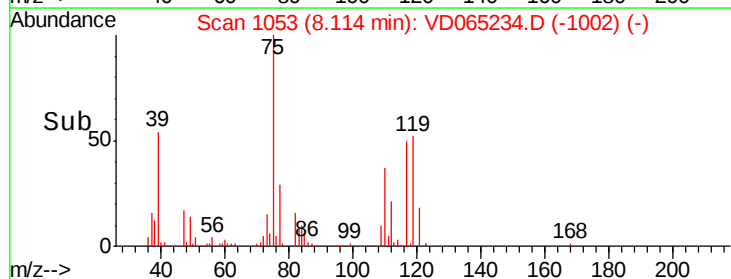
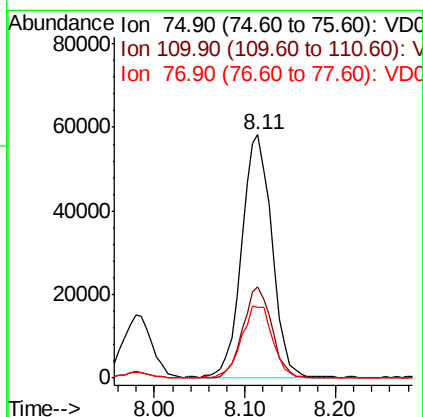
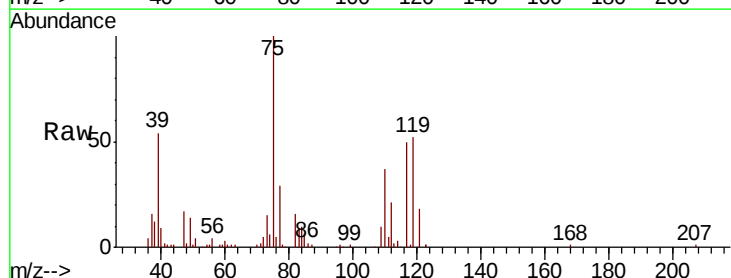
Instrument :
 MSVOA_D
 ClientSampleId :

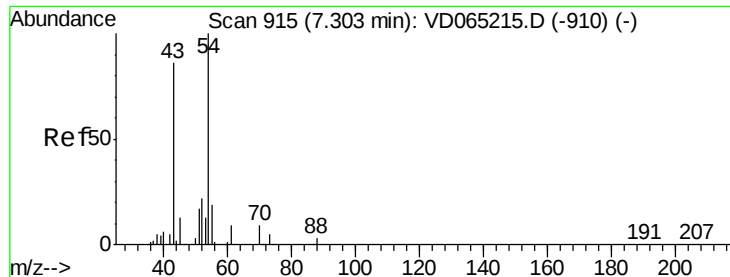
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 19.206 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.9	53.7
77	30.7	25.1	37.7

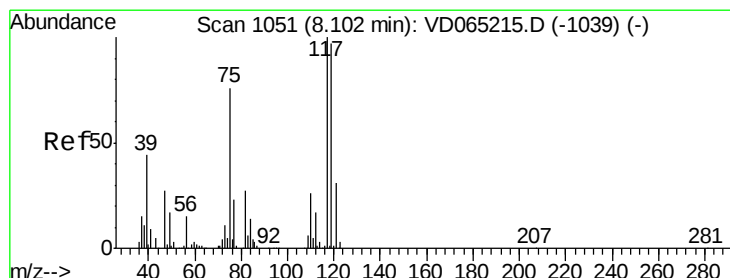
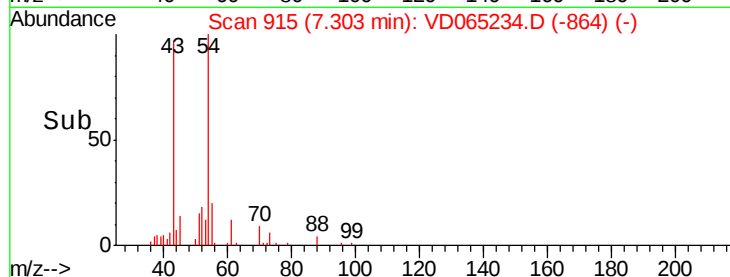
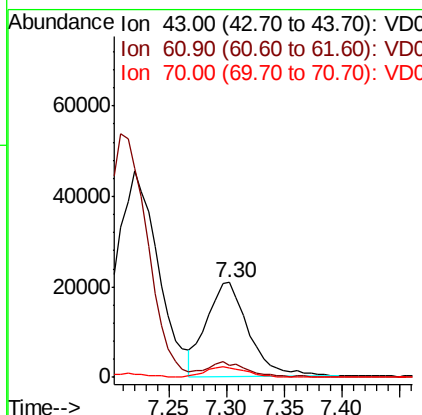
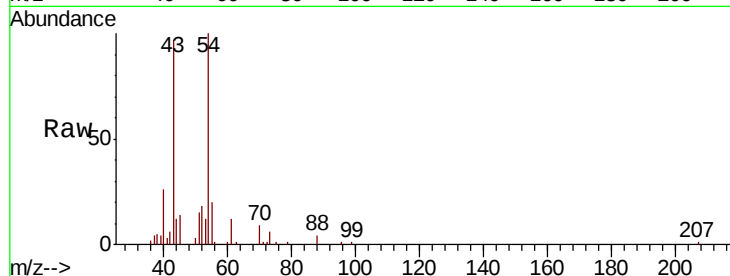




#37
Ethyl Acetate
Concen: 17.710 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

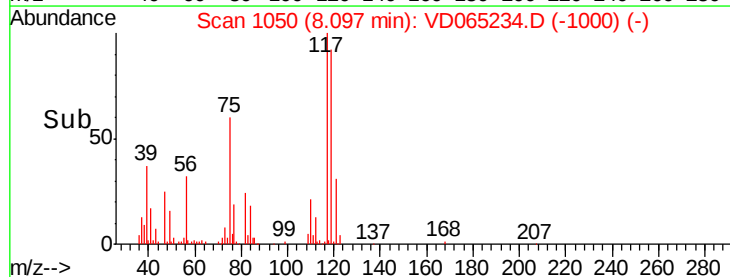
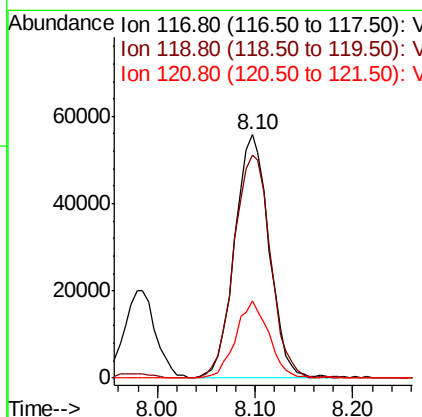
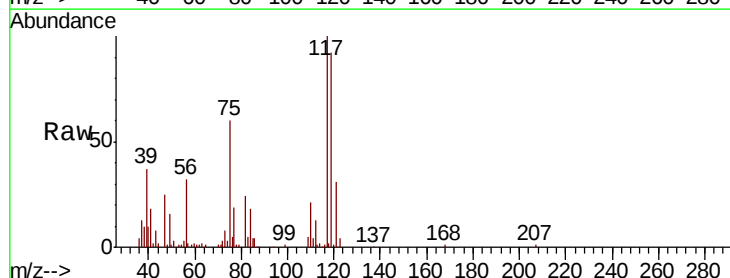
Instrument :
MSVOA_D
ClientSampleId :

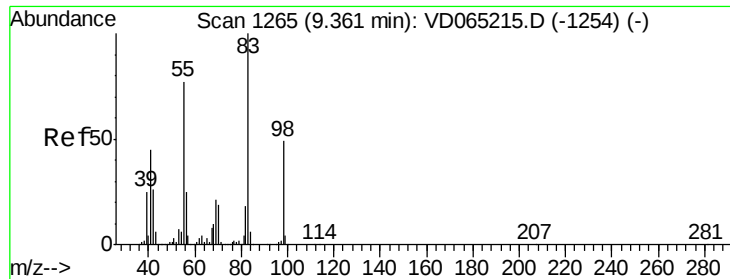
Tot Ion: 43 Resp: 52214
Ion Ratio Lower Upper
43 100
61 15.7 11.2 16.8
70 10.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.101 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 117 Resp: 137131
Ion Ratio Lower Upper
117 100
119 91.9 77.6 116.4
121 31.5 24.8 37.2

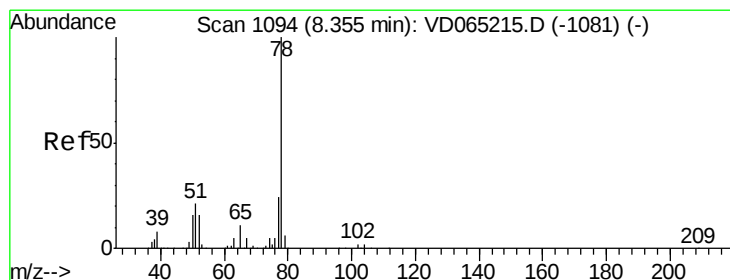
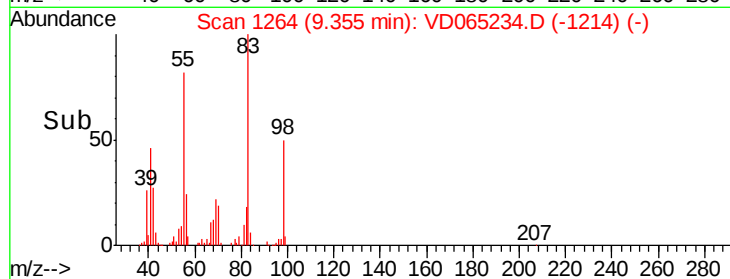
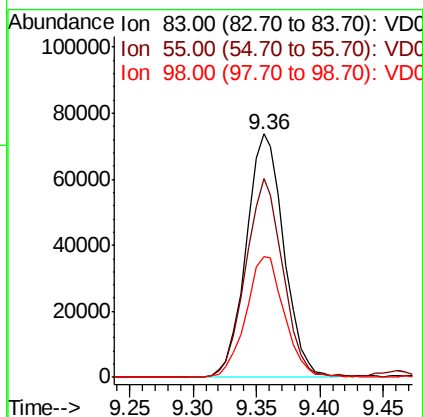
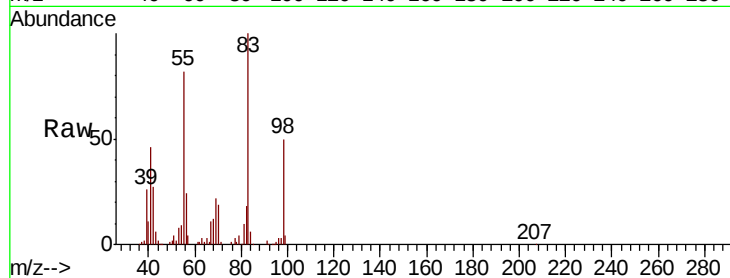




#39
Methvlcvclohexane
Concen: 18.311 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

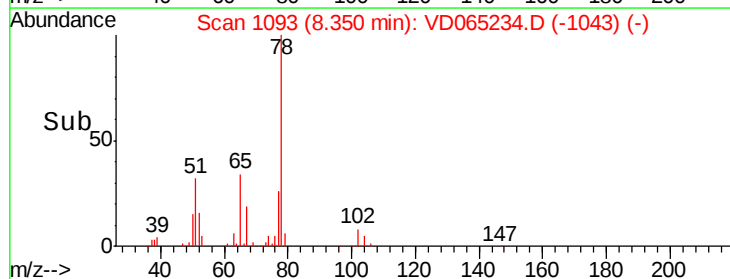
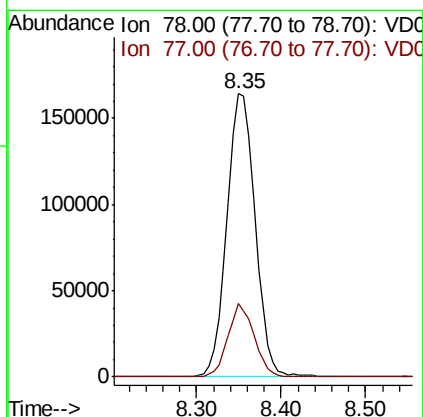
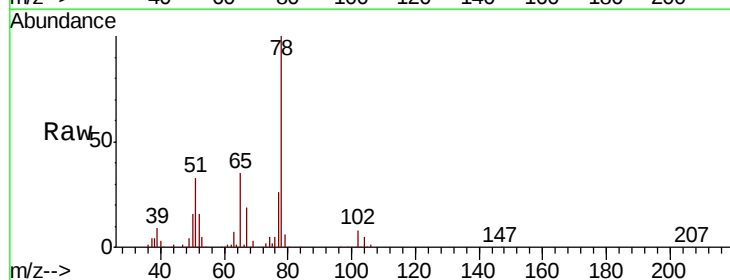
Instrument :
MSVOA_D
ClientSampled :

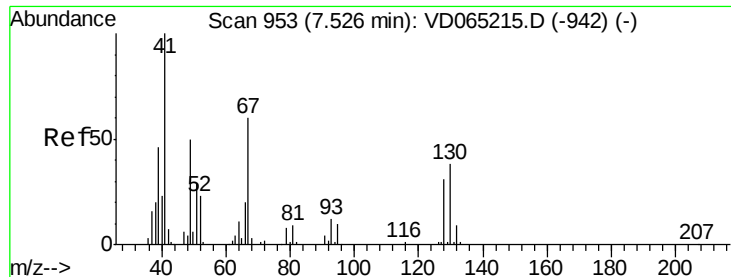
Tot Ion: 83 Resp: 151816
Ion Ratio Lower Upper
83 100
55 81.5 61.8 92.6
98 49.6 39.4 59.0



#40
Benzene
Concen: 19.045 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 78 Resp: 379117
Ion Ratio Lower Upper
78 100
77 25.9 19.0 28.6





#41

Methacrylonitrile

Concen: 14.728 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 25071

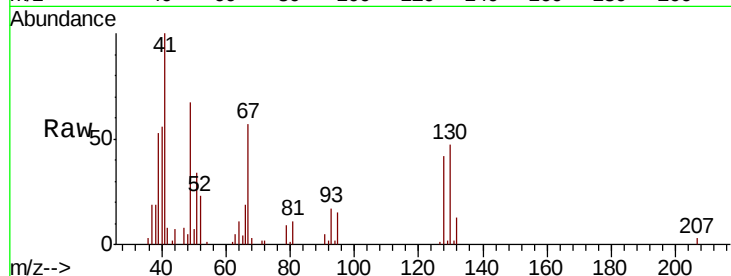
Ion Ratio Lower Upper

41 100

39 61.5 48.1 72.1

67 81.5 58.9 88.3

52 37.0 24.2 36.2#

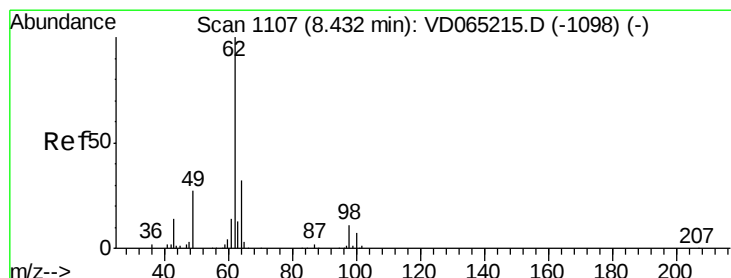
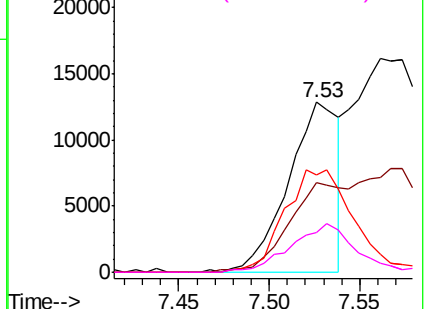
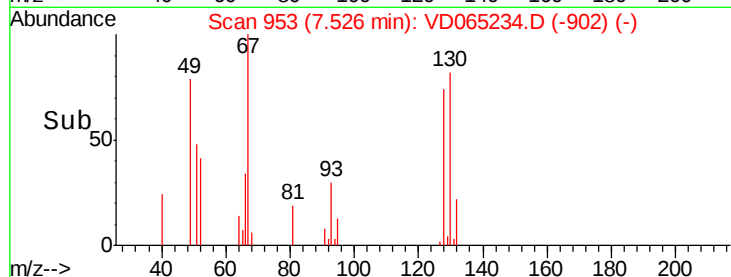


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.934 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065234.D

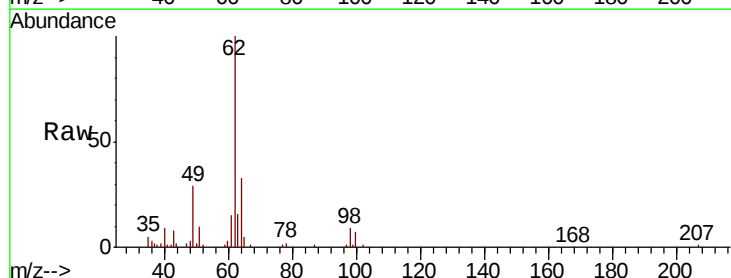
Acq: 19 Feb 2020 13:01

Tgt Ion: 62 Resp: 103618

Ion Ratio Lower Upper

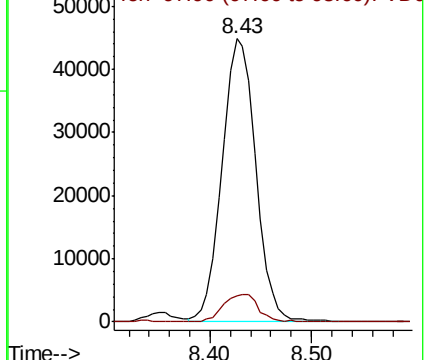
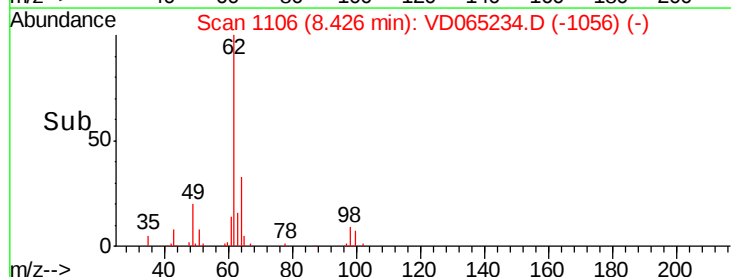
62 100

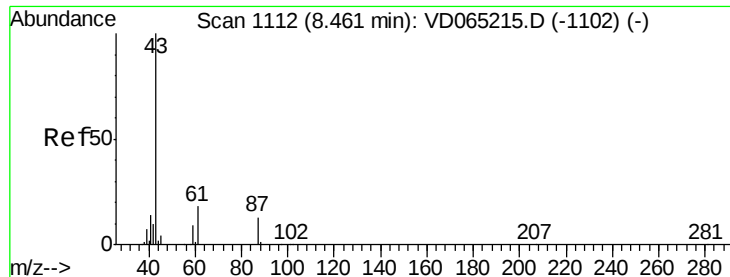
98 10.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.611 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

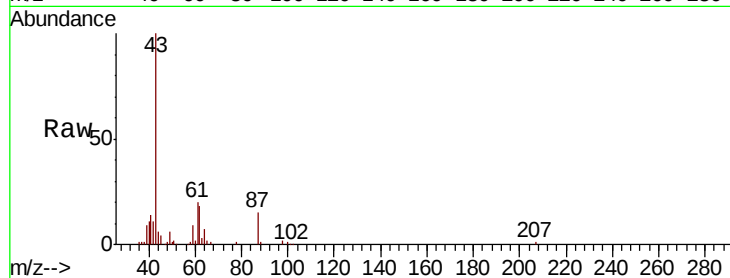
Tot Ion: 43 Resp: 99778

Ion Ratio Lower Upper

43 100

61 31.3 24.6 36.8

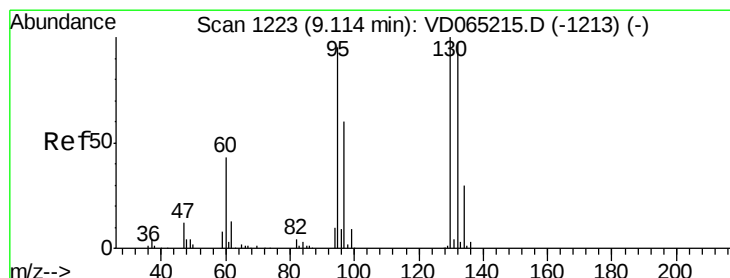
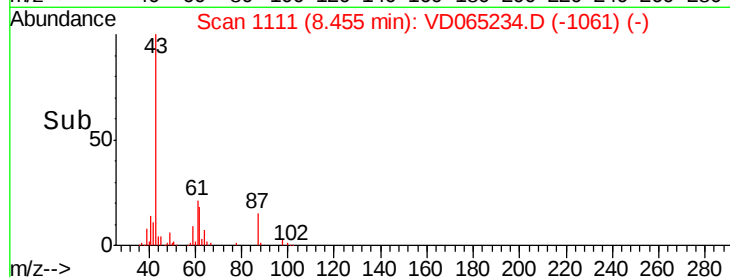
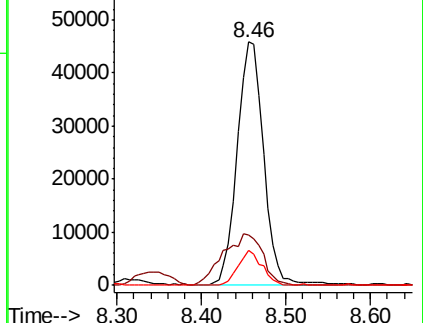
87 12.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 18.569 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065234.D

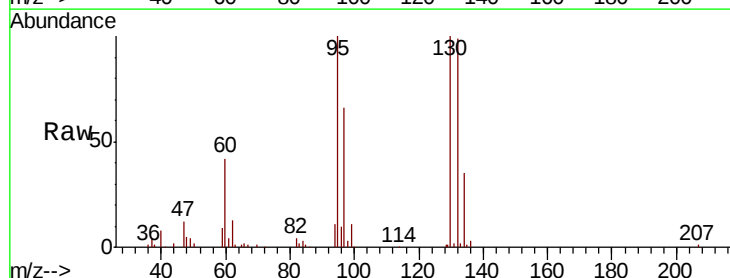
Acq: 19 Feb 2020 13:01

Tgt Ion:130 Resp: 102463

Ion Ratio Lower Upper

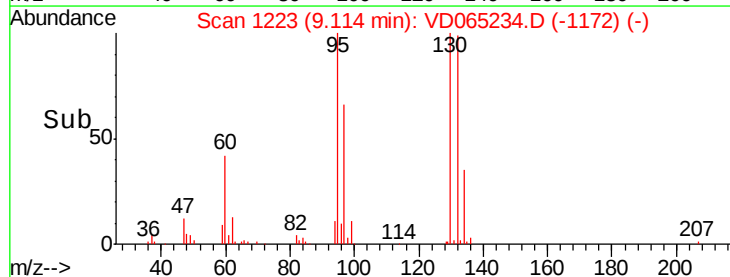
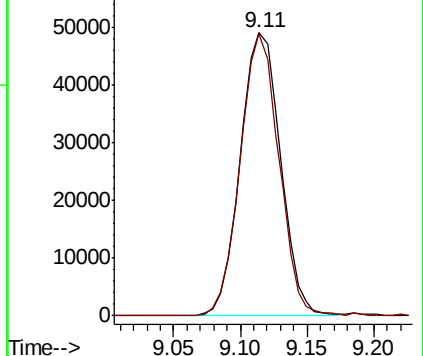
130 100

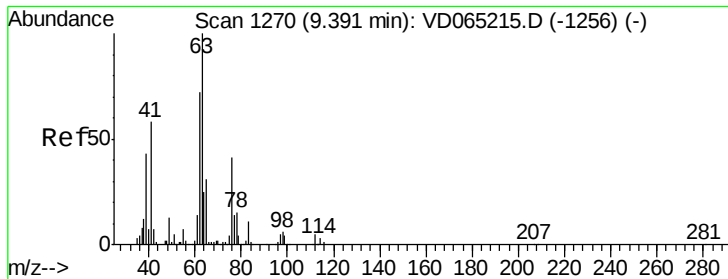
95 99.6 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

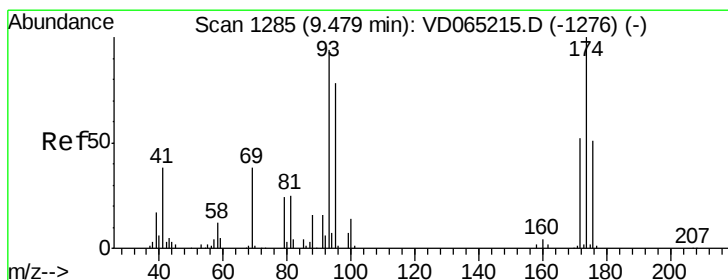
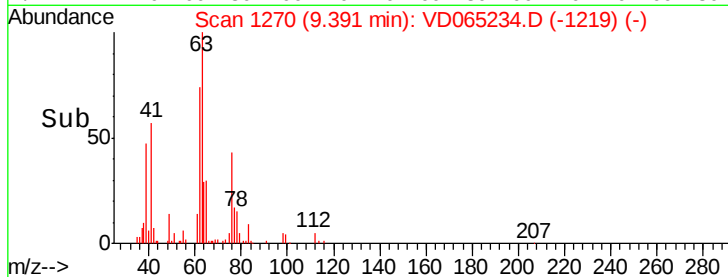
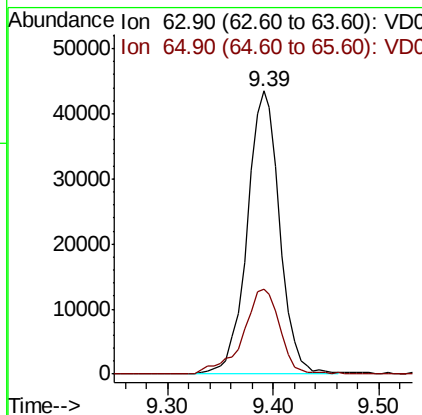
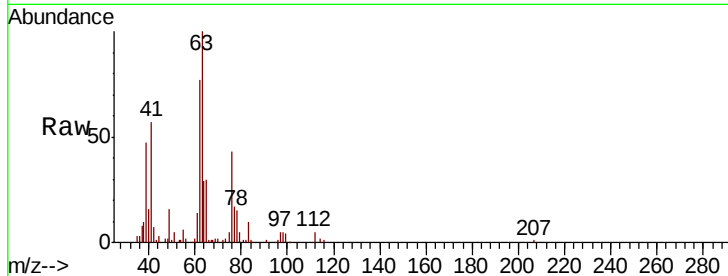




#45
 1,2-Dichloropropane
 Concen: 18.728 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

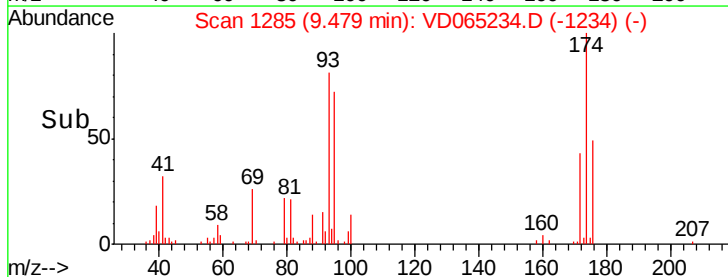
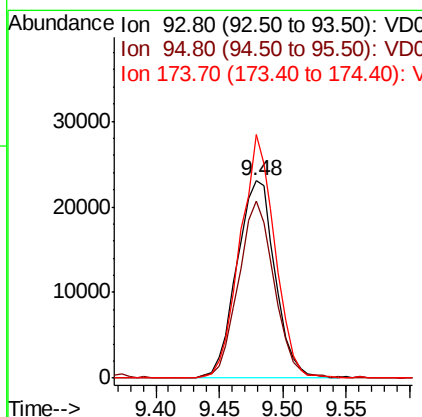
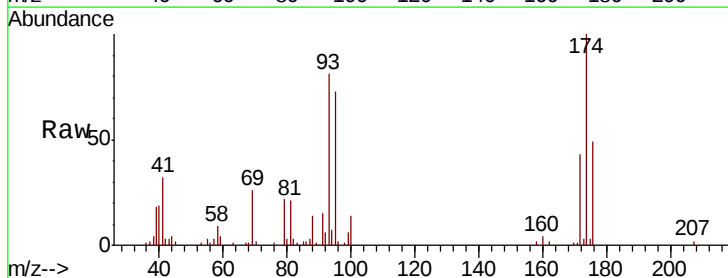
Instrument :
 MSVOA_D
 ClientSampleId :

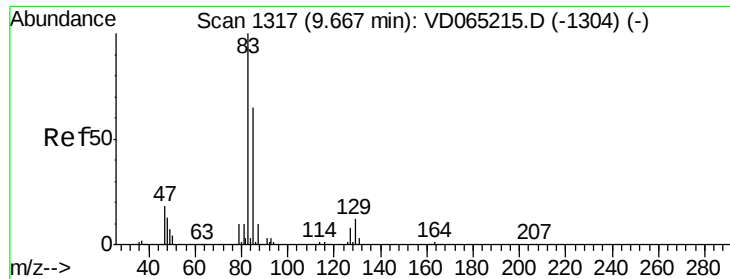
Tot Ion: 63 Resp: 92700
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.9 37.3



#46
 Dibromomethane
 Concen: 18.949 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion: 93 Resp: 48259
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.8 98.6
 174 111.6 86.8 130.2





#47

Bromodichloromethane

Concen: 18.701 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

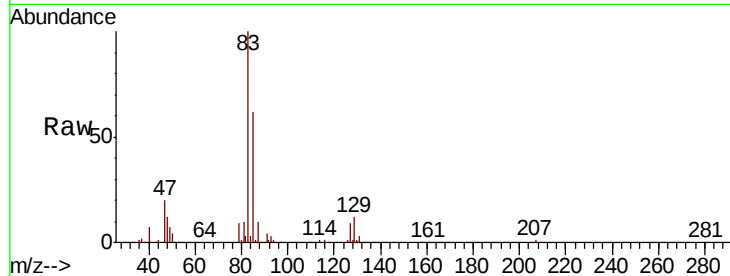
Tot Ion: 83 Resp: 125513

Ion Ratio Lower Upper

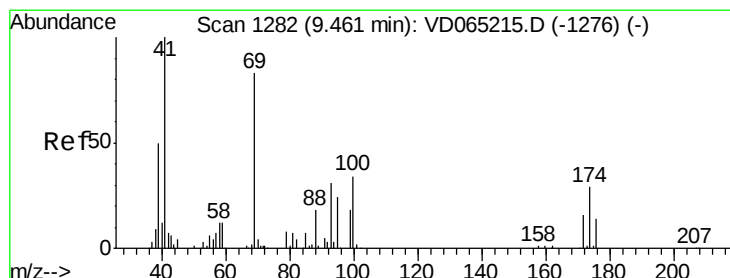
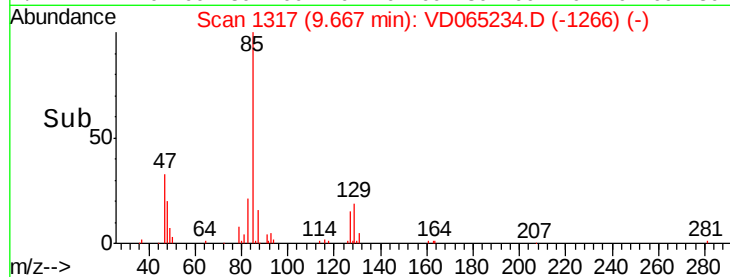
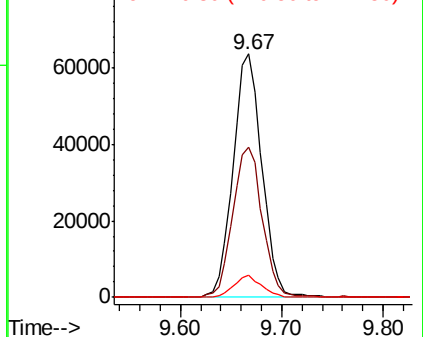
83 100

85 61.8 52.0 78.0

127 9.3 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: 18.437 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

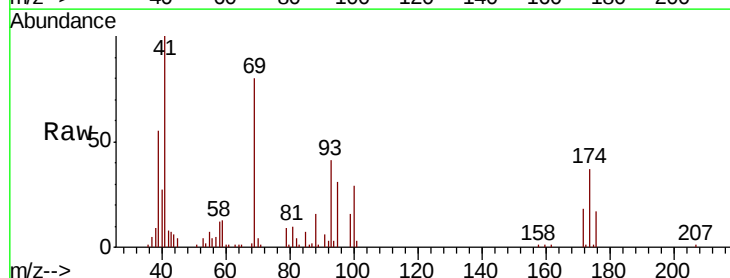
Tgt Ion: 41 Resp: 45689

Ion Ratio Lower Upper

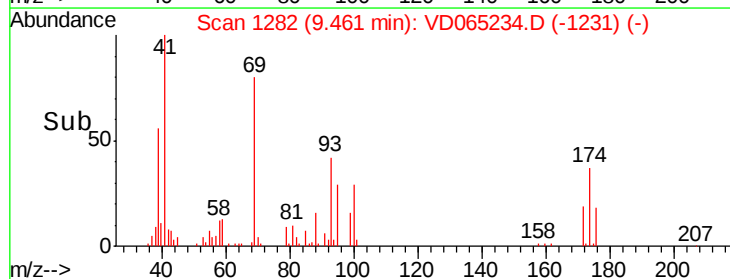
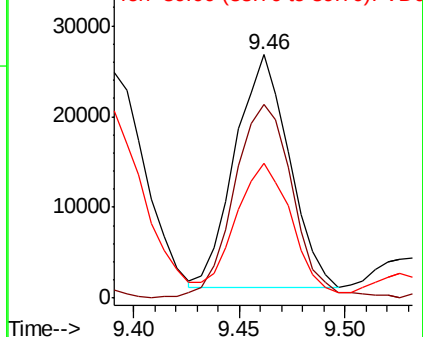
41 100

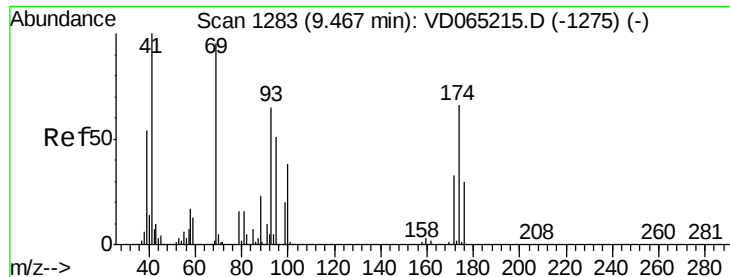
69 90.3 68.2 102.2

39 55.3 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

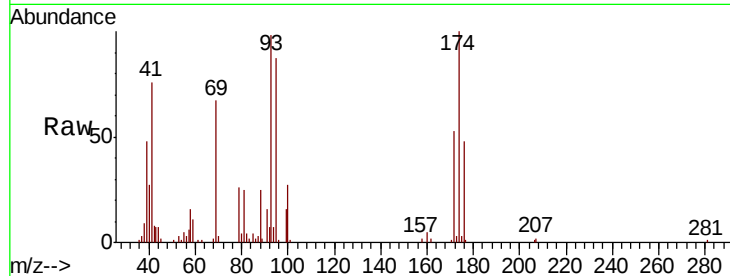




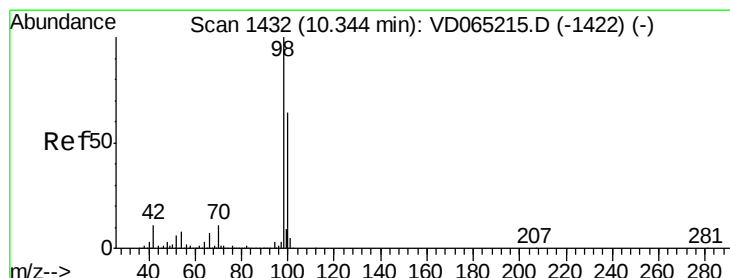
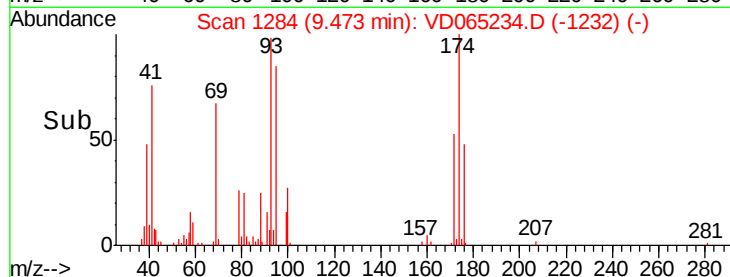
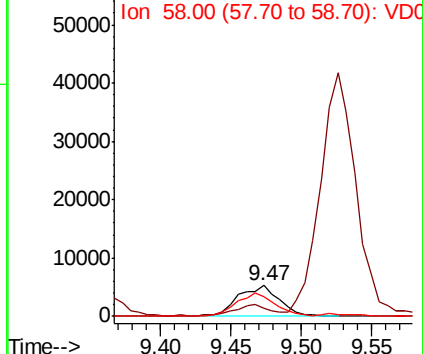
#49
1,4-Dioxane
Concen: 364.046 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 10874
Ion Ratio Lower Upper
88 100
43 33.3 28.5 42.7
58 70.6 58.6 87.8

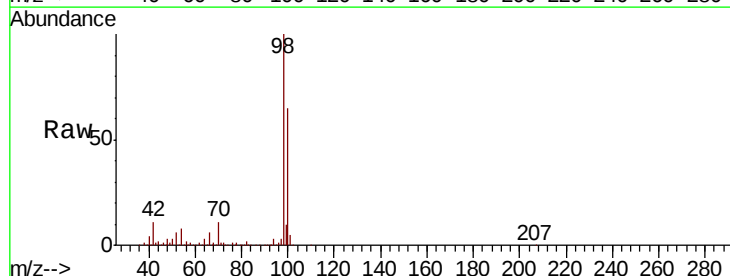


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

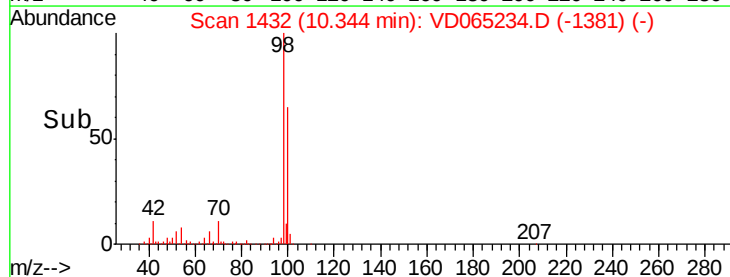
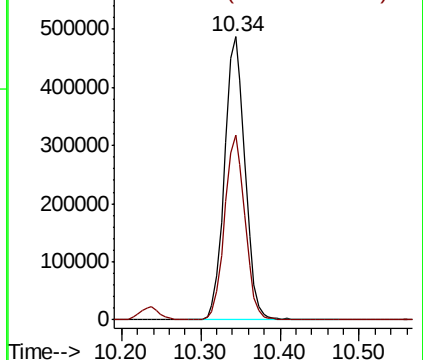


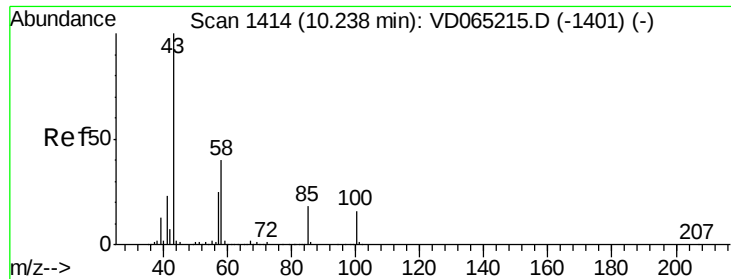
#50
Toluene-d8
Concen: 51.610 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 98 Resp: 871957
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: 92.028 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

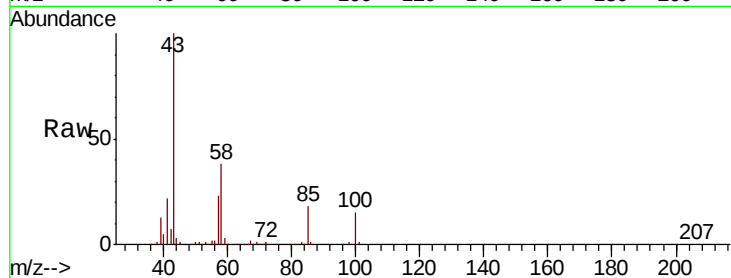
ClientSampleId :

Tot Ion: 43 Resp: 250597

Ion Ratio Lower Upper

43 100

58 37.8 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

150000

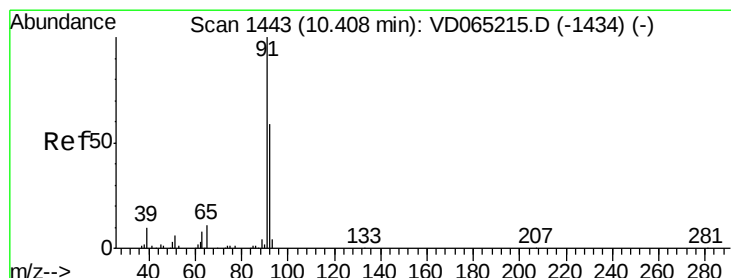
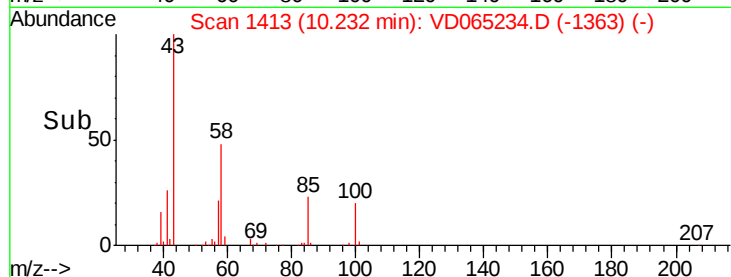
100000

50000

0

10.20 10.23 10.30

Time-->



#52

Toluene

Concen: 19.430 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065234.D

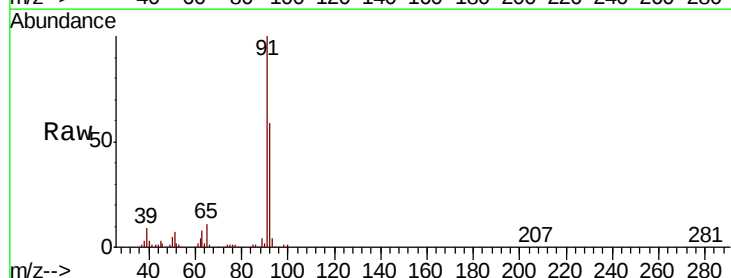
Acq: 19 Feb 2020 13:01

Tgt Ion: 92 Resp: 239401

Ion Ratio Lower Upper

92 100

91 173.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

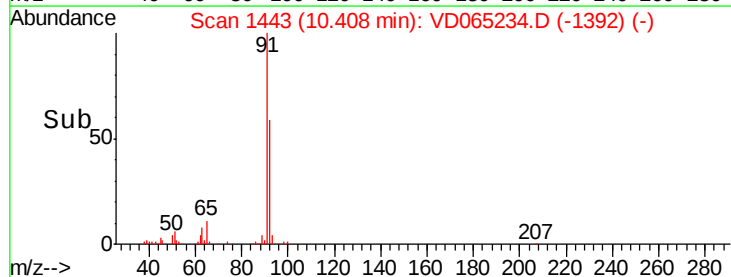
100000

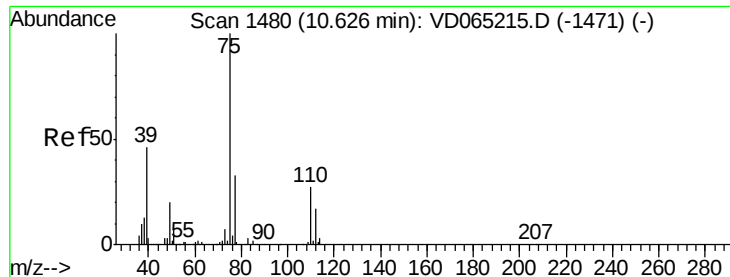
50000

0

10.30 10.40 10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.376 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

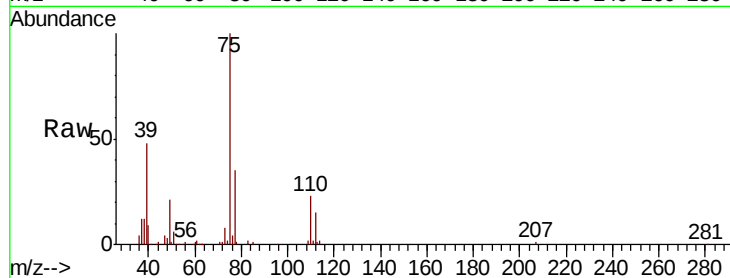
ClientSampleId :

Tot Ion: 75 Resp: 114318

Ion Ratio Lower Upper

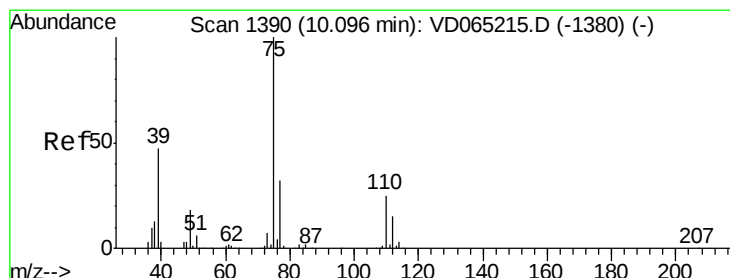
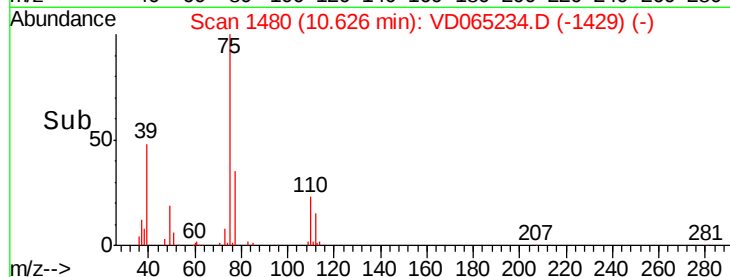
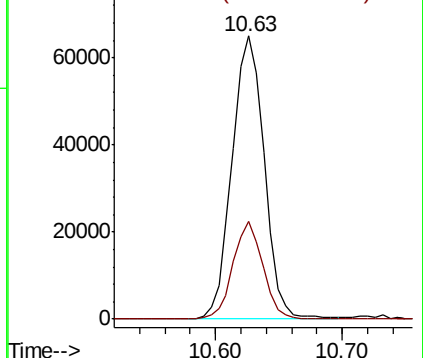
75 100

77 34.5 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.591 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

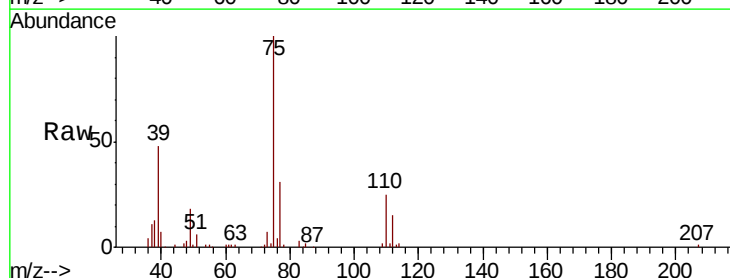
Tgt Ion: 75 Resp: 139661

Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.8

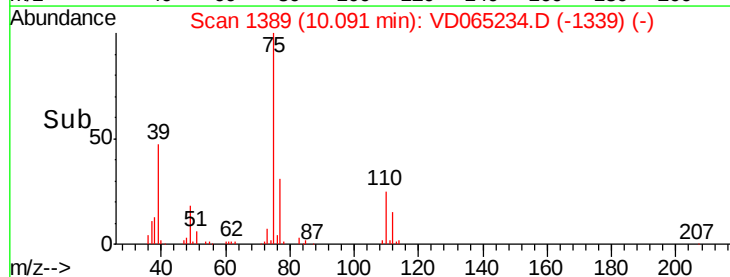
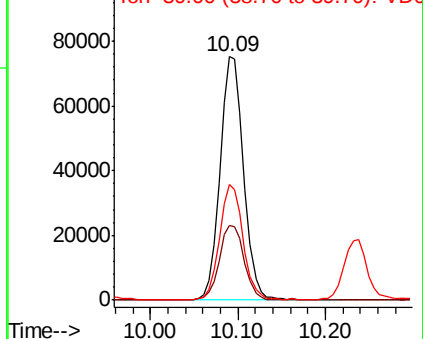
39 47.7 37.3 55.9

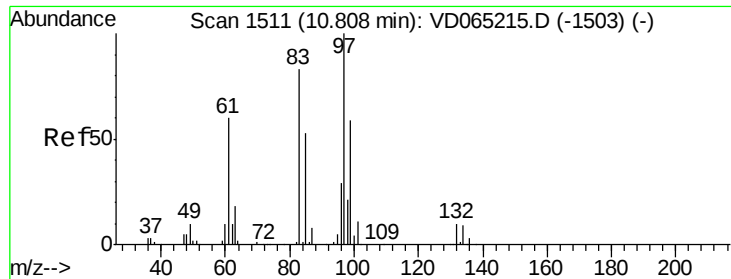


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

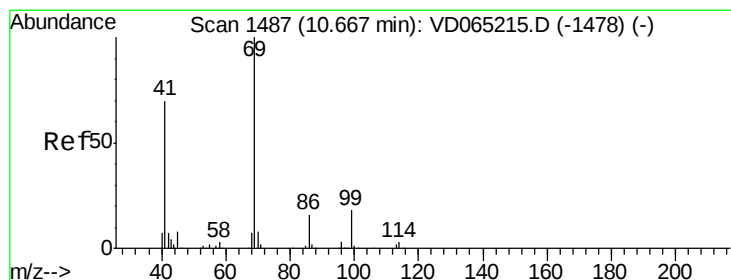
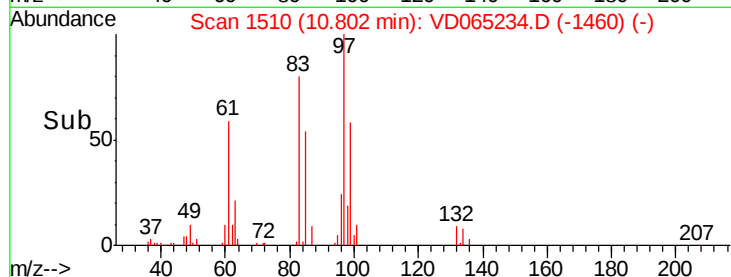
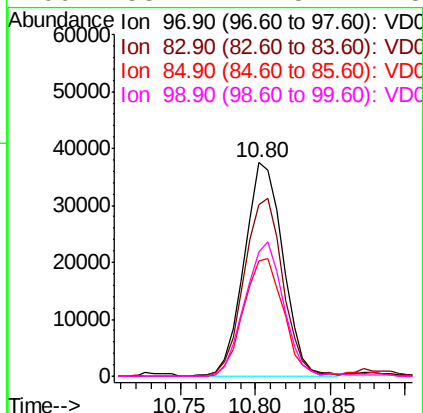
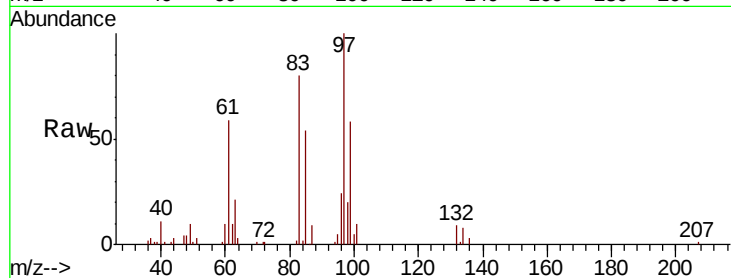




#55
 1,1,2-Trichloroethane
 Concen: 18.837 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

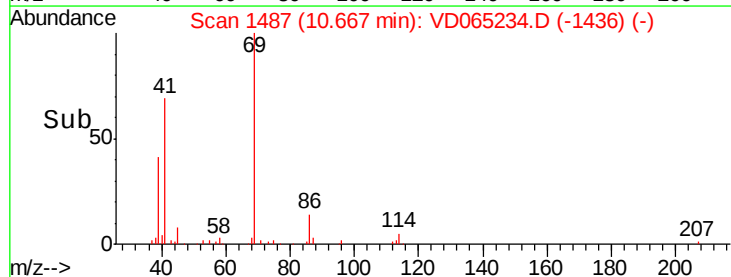
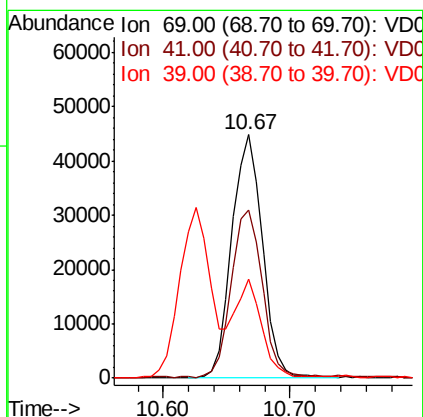
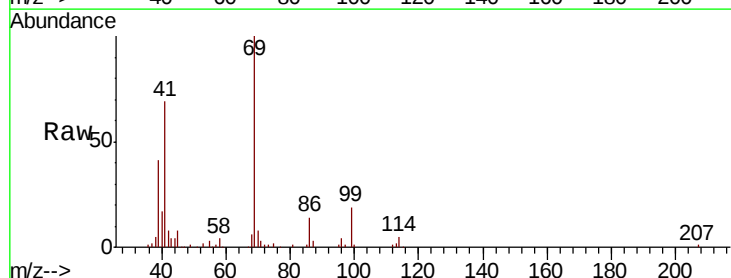
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	67523
Ion	Ratio	Lower	Upper
97	100		
83	80.1	66.7	100.1
85	54.1	42.4	63.6
99	58.1	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 18.096 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion:	69	Resp:	74869
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.6	81.8
39	34.2	26.5	39.7

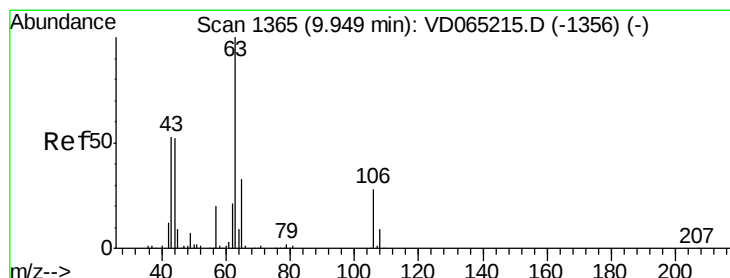
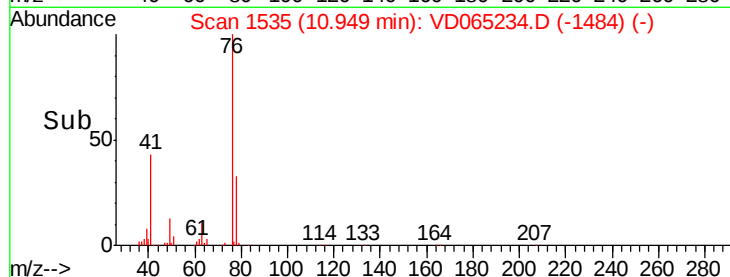
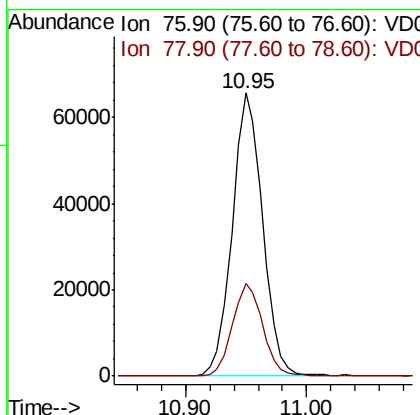
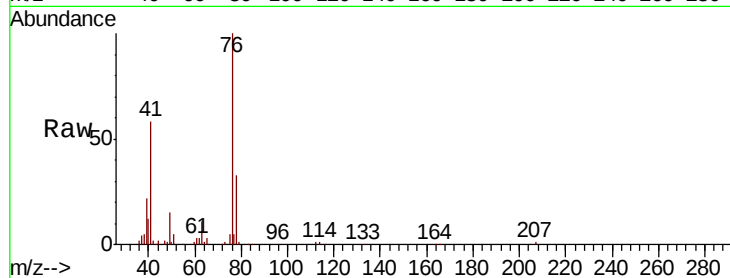




#57
 1,3-Dichloropropane
 Concen: 18.835 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

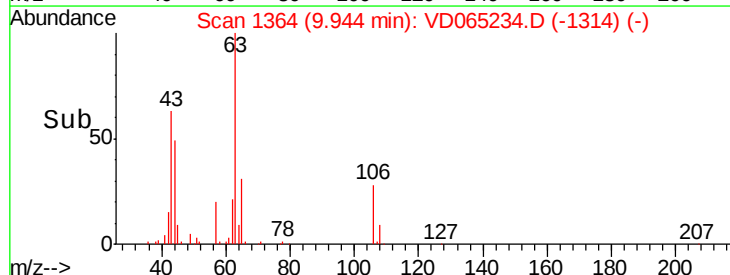
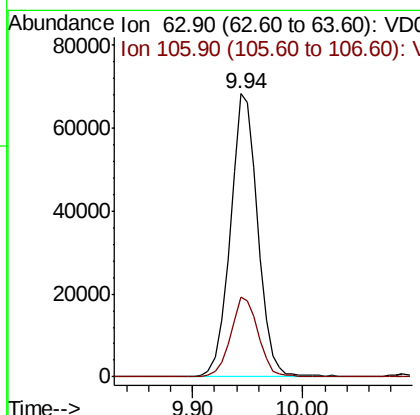
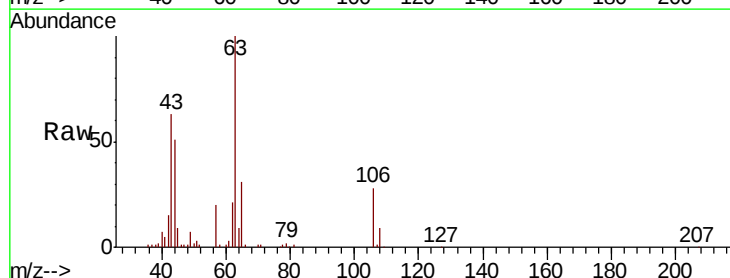
Instrument :
 MSVOA_D
 ClientSampleId :

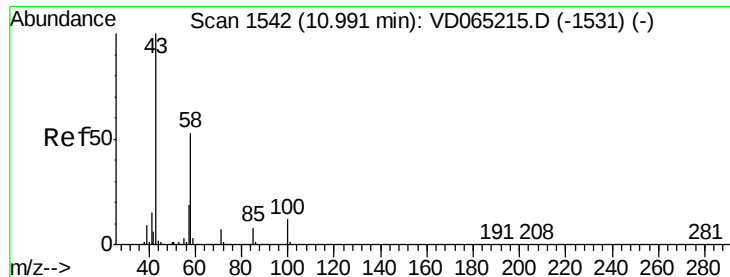
Tot Ion: 76 Resp: 114909
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.892 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion: 63 Resp: 118561
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.8 34.2

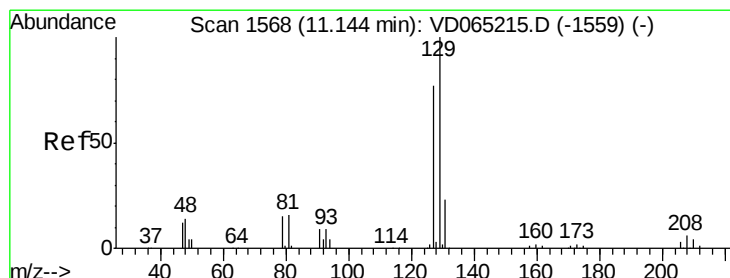
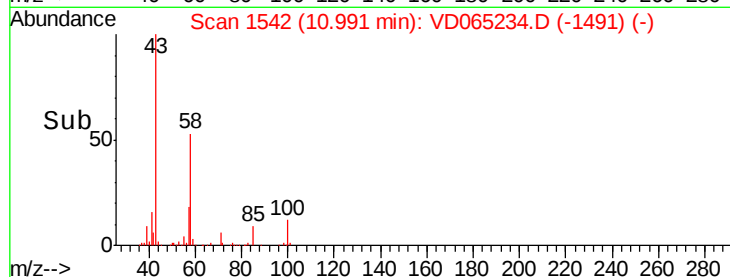
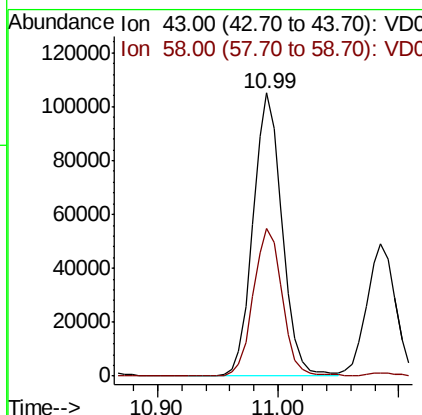
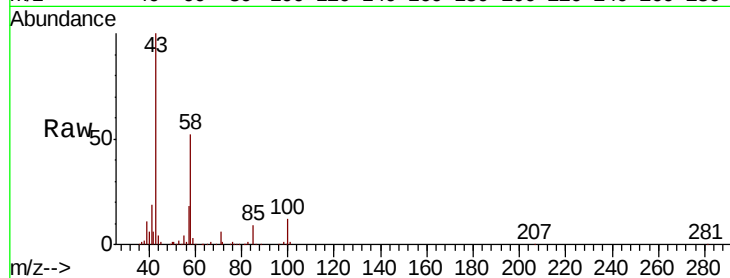




#59
2-Hexanone
Concen: 90.765 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

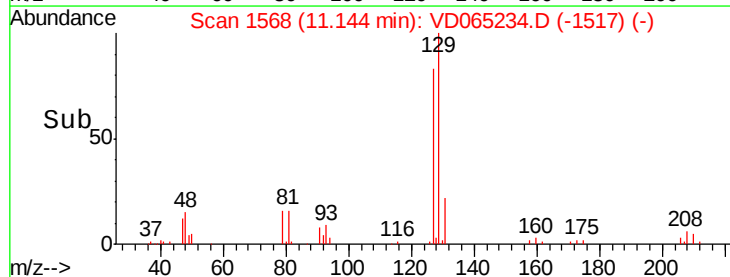
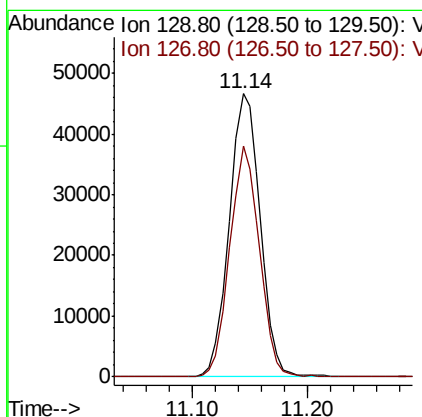
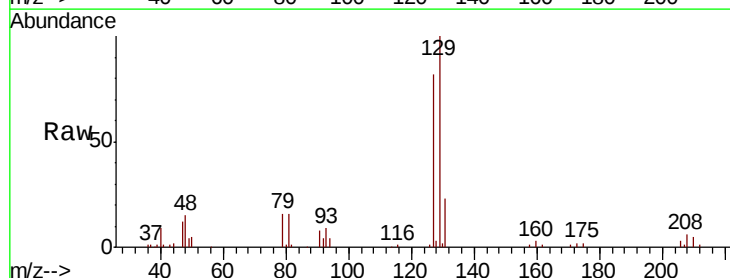
Instrument :
MSVOA_D
ClientSampled :

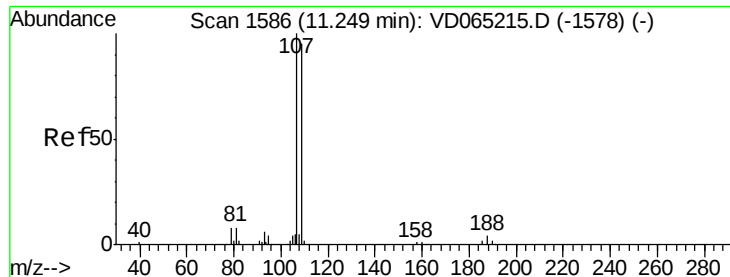
Tot Ion: 43 Resp: 176926
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.8



#60
Dibromochloromethane
Concen: 18.865 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 129 Resp: 86555
Ion Ratio Lower Upper
129 100
127 78.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.056 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

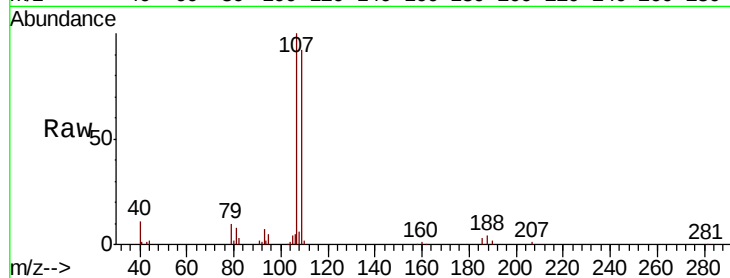
ClientSampleId :

Tot Ion:107 Resp: 64675

Ion Ratio Lower Upper

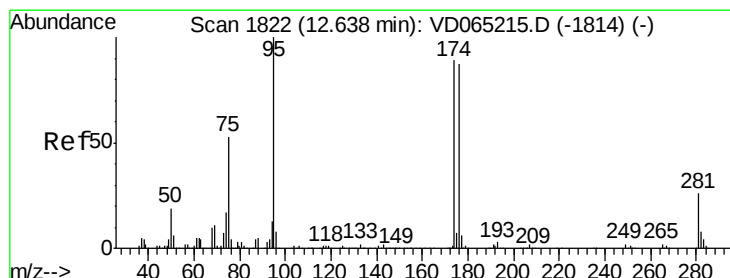
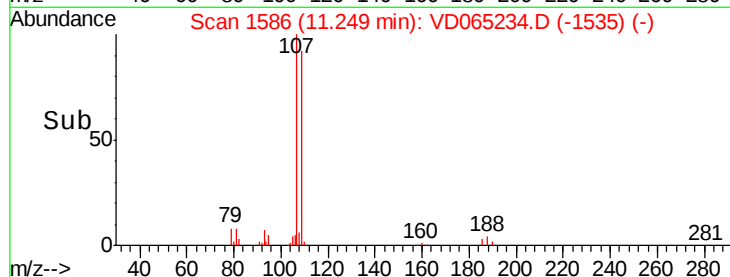
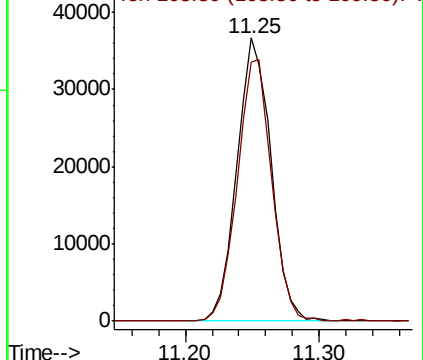
107 100

109 93.1 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.049 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

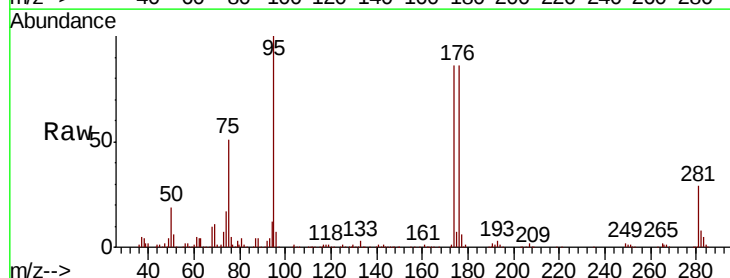
Tgt Ion: 95 Resp: 273227

Ion Ratio Lower Upper

95 100

174 86.9 0.0 178.0

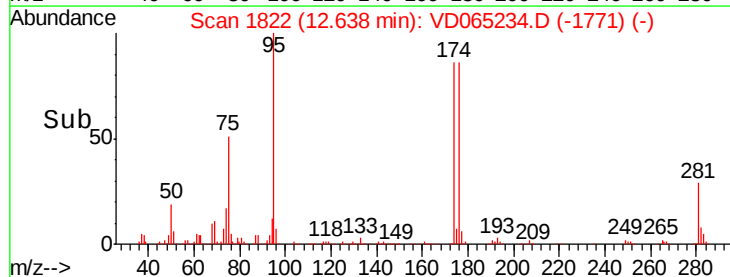
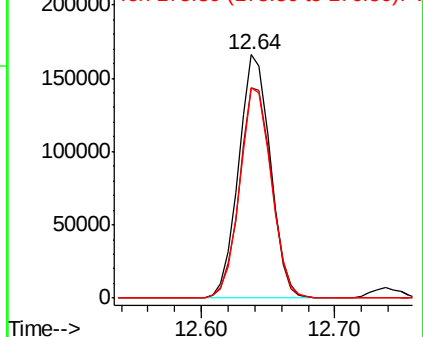
176 85.7 0.0 174.4

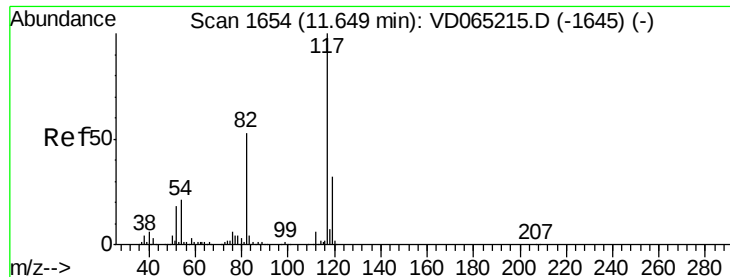


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

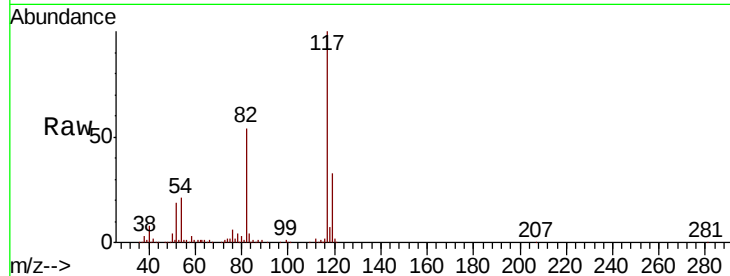




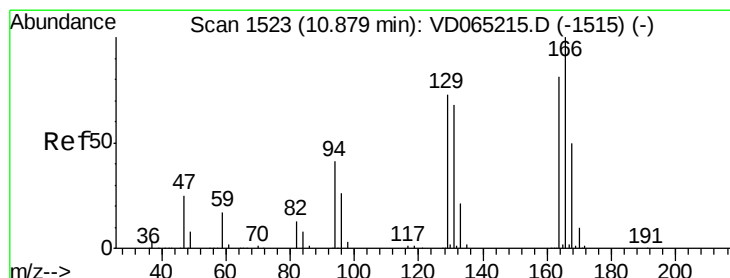
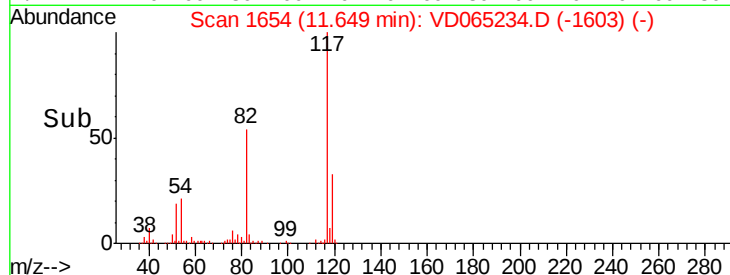
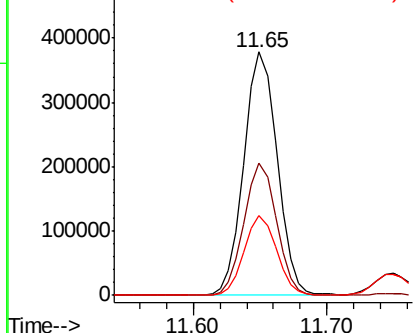
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 655322
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 32.9 25.5 38.3

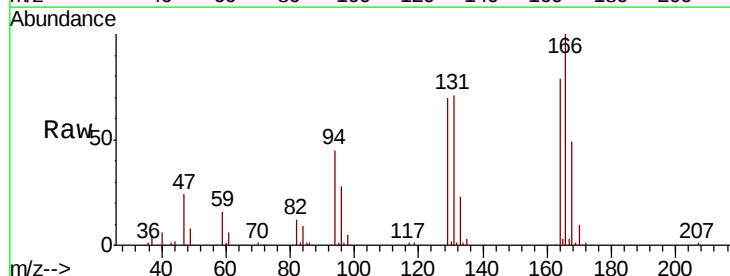


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

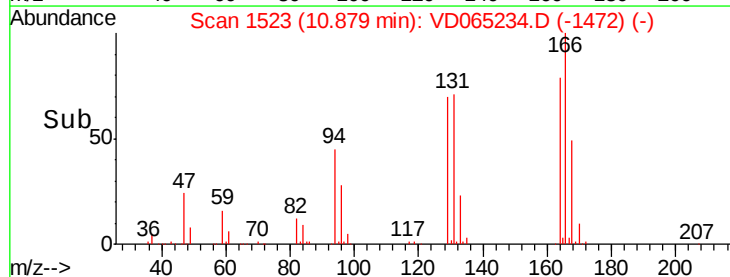
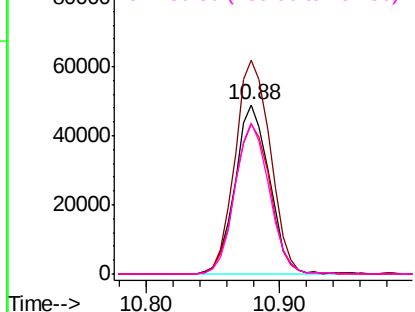


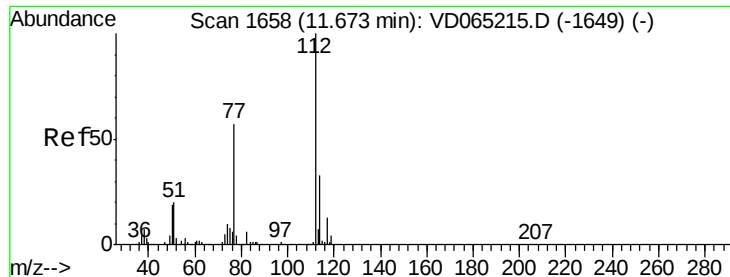
#64
Tetrachloroethene
Concen: 18.769 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion:164 Resp: 87232
Ion Ratio Lower Upper
164 100
166 125.9 98.4 147.6
129 88.2 71.6 107.4
131 89.0 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: 18.935 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

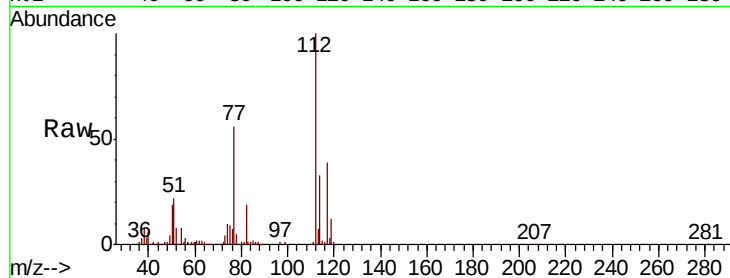
ClientSampleId :

Tot Ion:112 Resp: 249009

Ion Ratio Lower Upper

112 100

114 33.3 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

150000

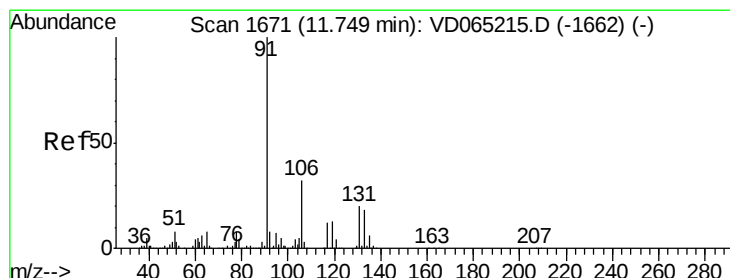
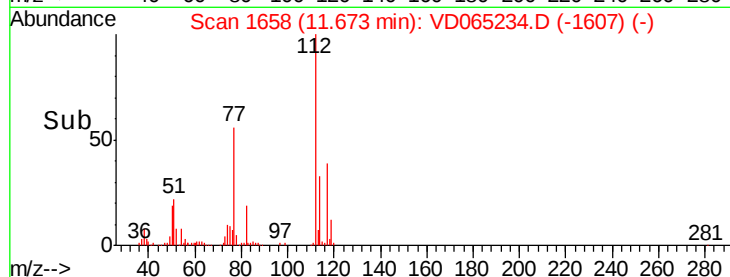
100000

50000

0

11.60 11.70 11.80

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.968 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

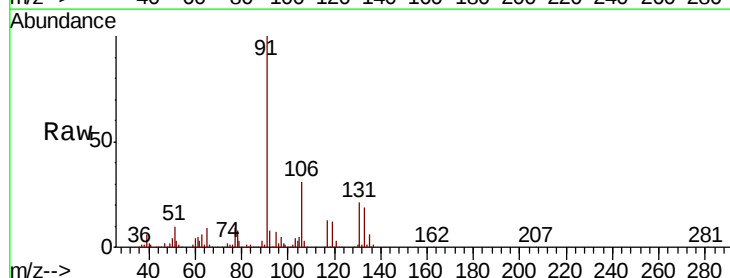
Tgt Ion:131 Resp: 93087

Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

119 64.5 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

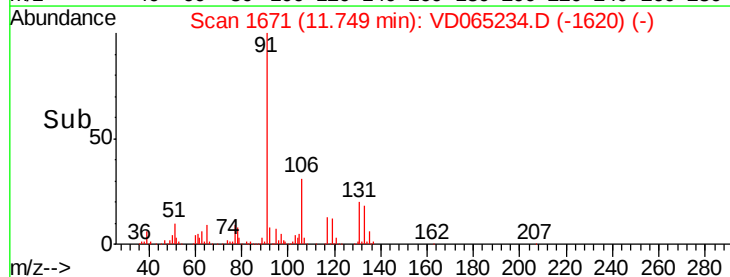
100000

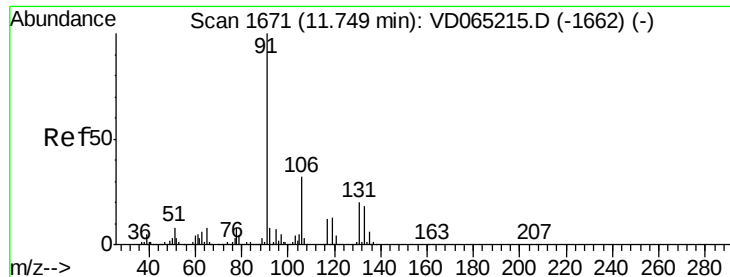
50000

0

11.70 11.80

Time-->





#67

Ethyl Benzene

Concen: 18.979 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

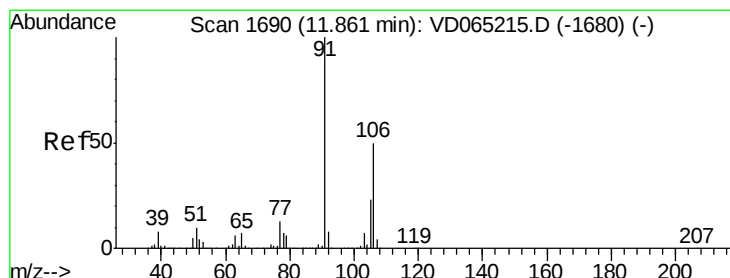
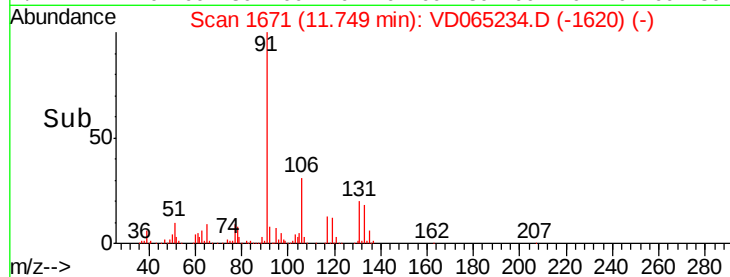
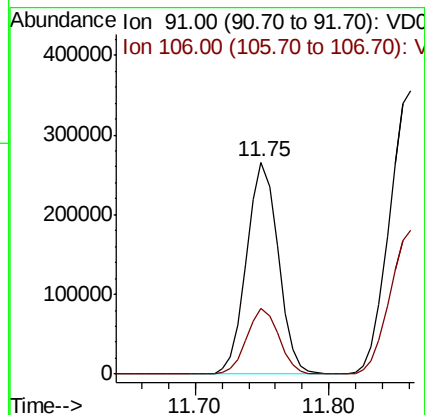
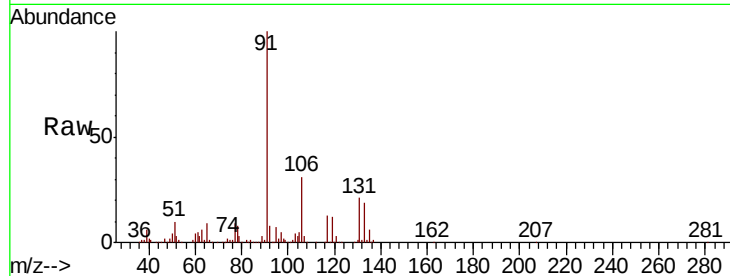
ClientSampled :

Tot Ion: 91 Resp: 437120

Ion Ratio Lower Upper

91 100

106 30.9 25.2 37.8



#68

m/p-Xylenes

Concen: 38.555 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065234.D

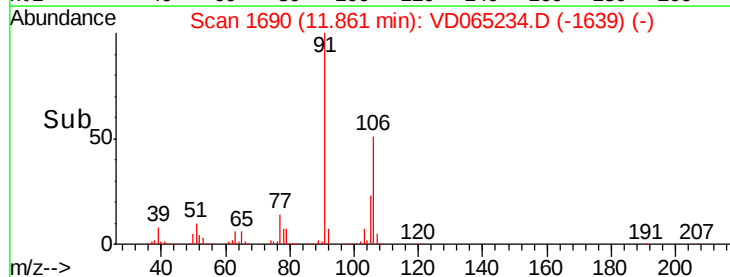
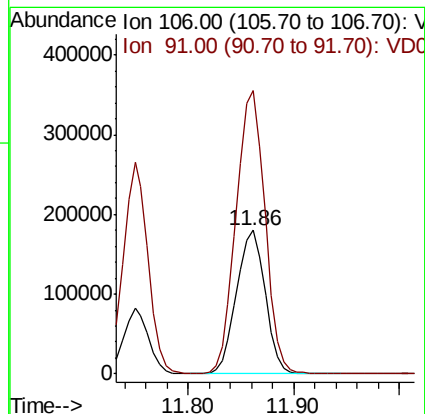
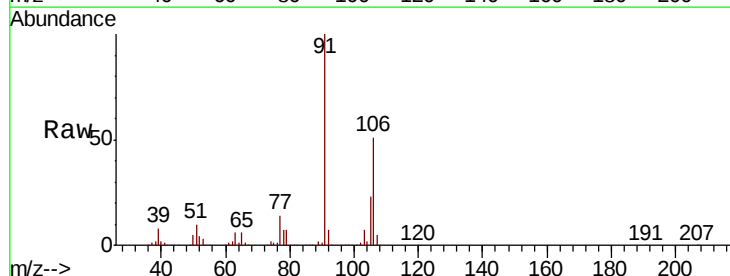
Acq: 19 Feb 2020 13:01

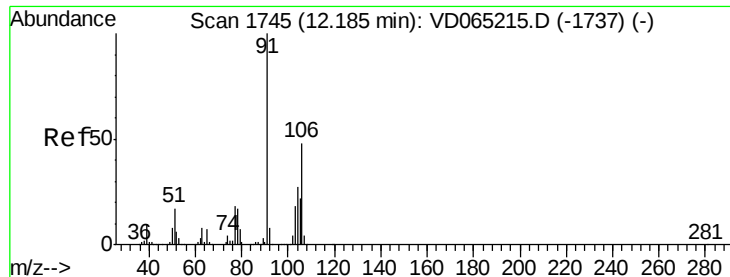
Tgt Ion: 106 Resp: 339743

Ion Ratio Lower Upper

106 100

91 198.8 158.2 237.4

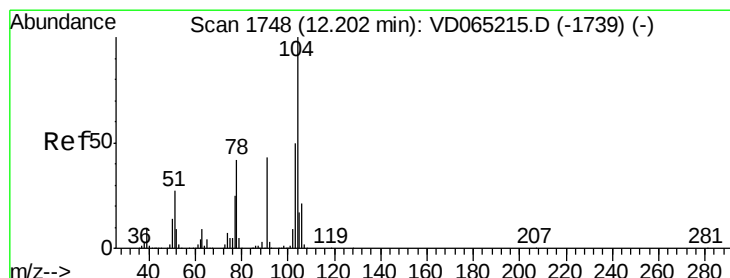
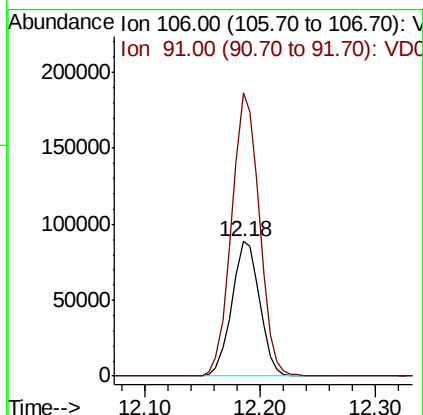
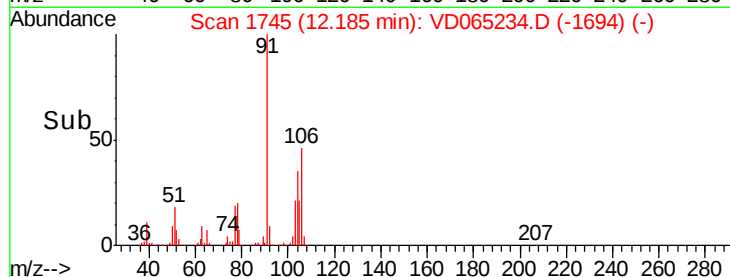
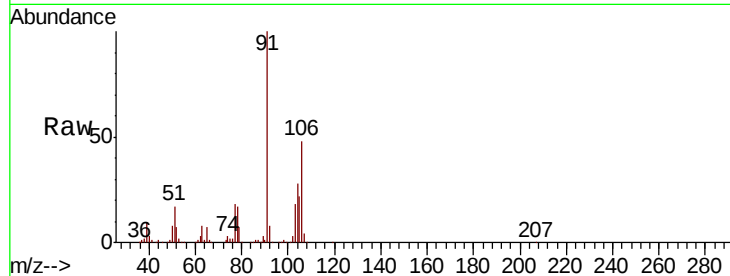




#69
o-Xylene
Concen: 19.037 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

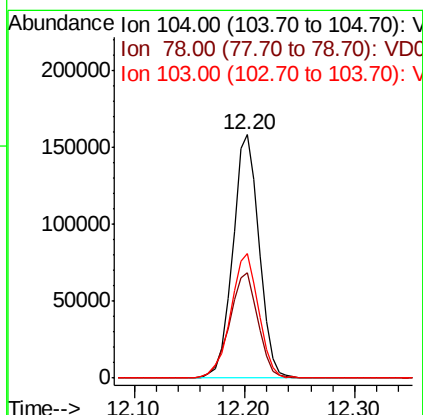
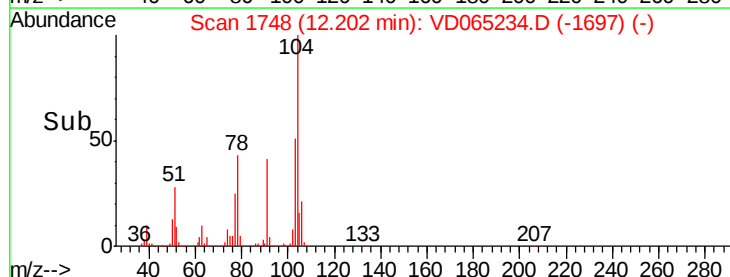
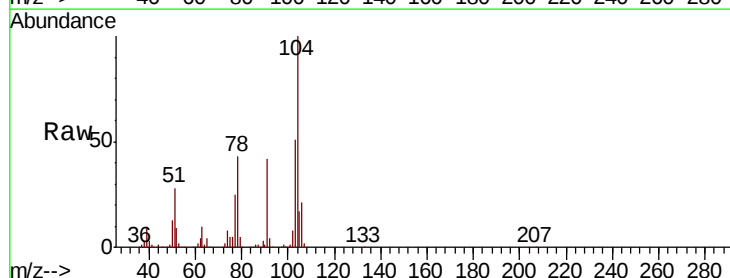
Instrument :
MSVOA_D
ClientSampleId :

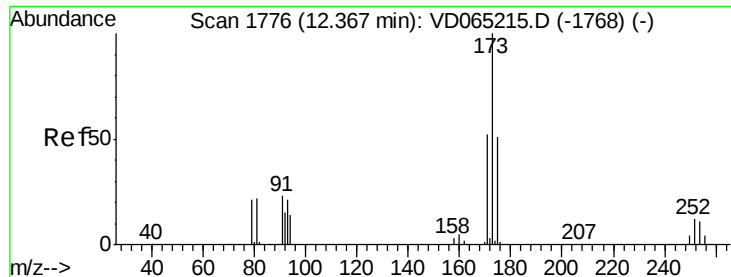
Tot Ion:106 Resp: 148623
Ion Ratio Lower Upper
106 100
91 209.4 104.7 313.9



#70
Styrene
Concen: 19.108 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion:104 Resp: 264846
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 54.4 43.4 65.2





#71

Bromoform

Concen: 18.050 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

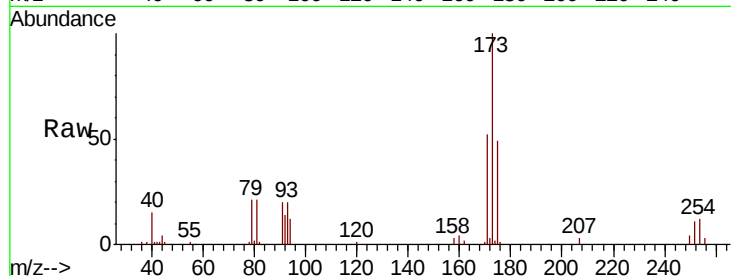
Tot Ion:173 Resp: 49152

Ion Ratio Lower Upper

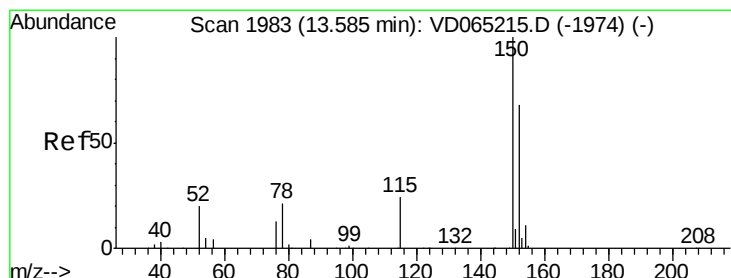
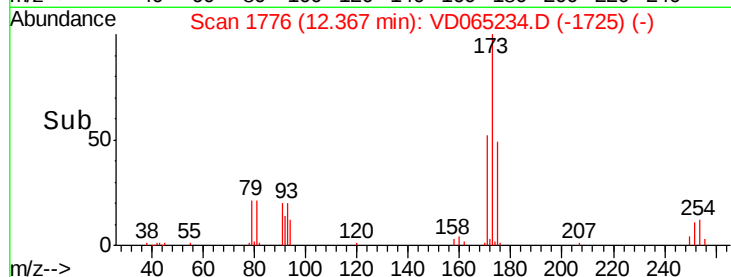
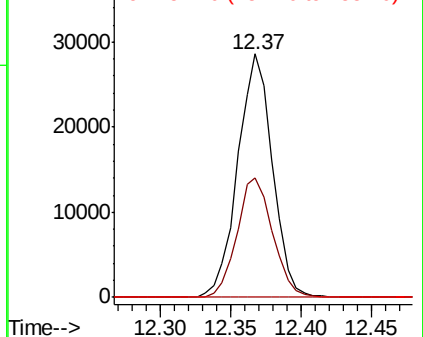
173 100

175 50.3 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

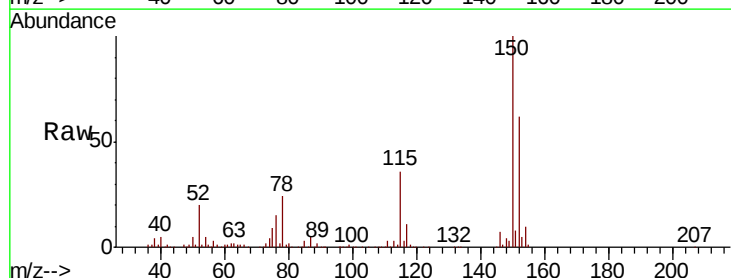
Tgt Ion:152 Resp: 321395

Ion Ratio Lower Upper

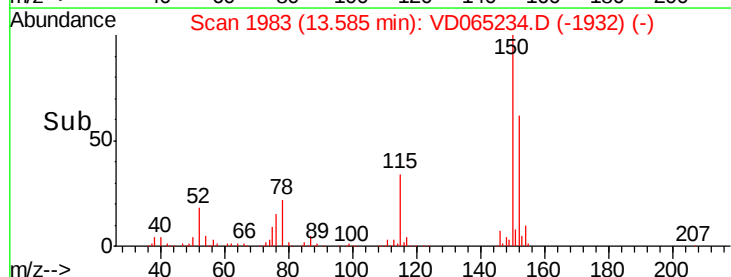
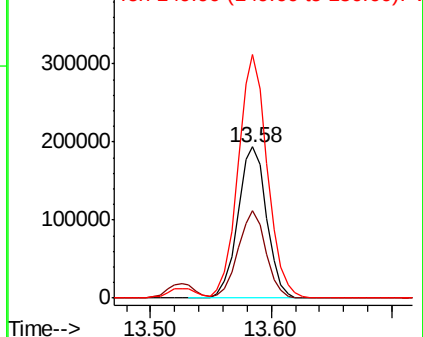
152 100

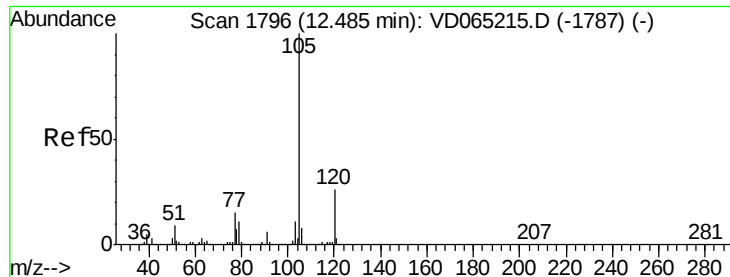
115 55.9 27.6 82.8

150 162.8 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: 19.081 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

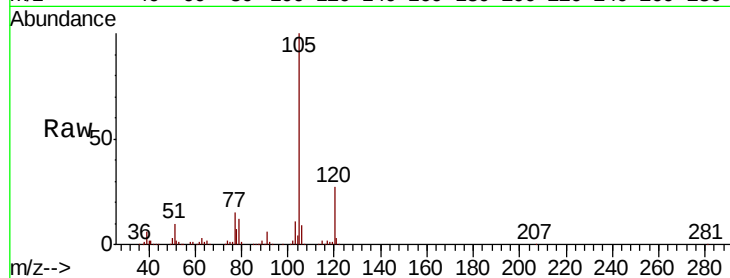
ClientSampled :

Tot Ion:105 Resp: 406000

Ion Ratio Lower Upper

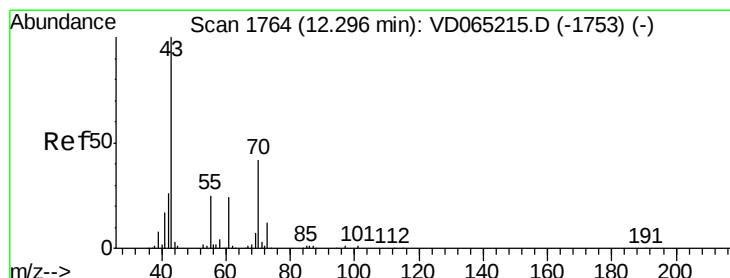
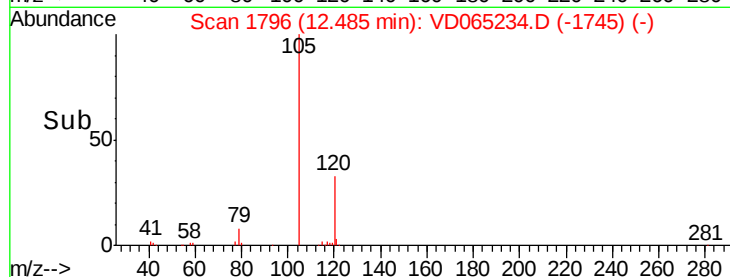
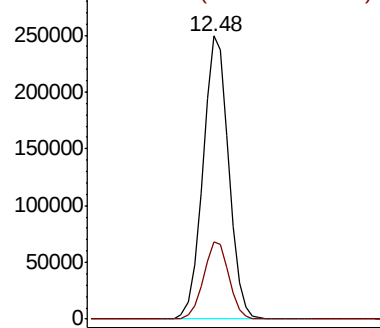
105 100

120 26.9 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: 18.271 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Tgt Ion: 43 Resp: 86386

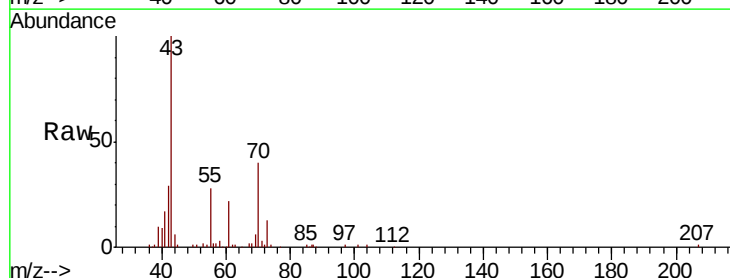
Ion Ratio Lower Upper

43 100

70 42.7 33.7 50.5

55 27.6 20.7 31.1

61 23.0 19.0 28.4

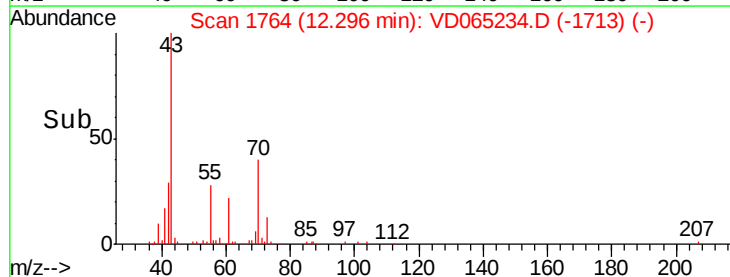
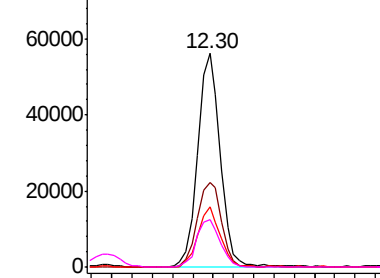


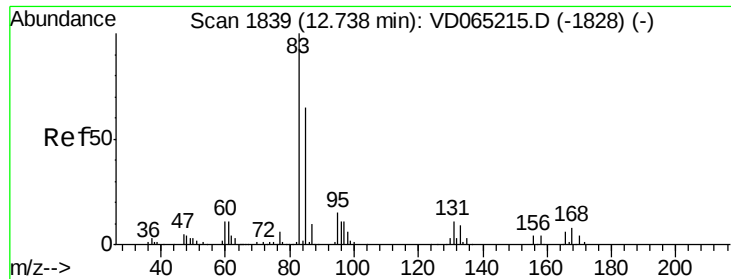
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.429 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

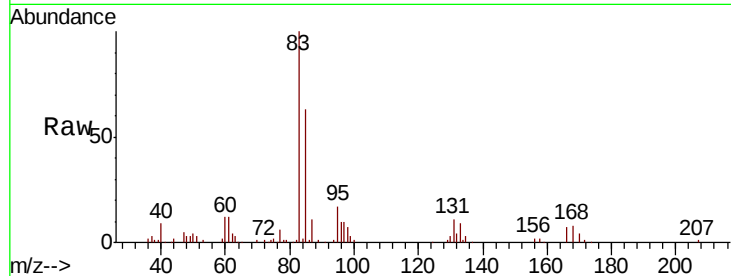
Tot Ion: 83 Resp: 70770

Ion Ratio Lower Upper

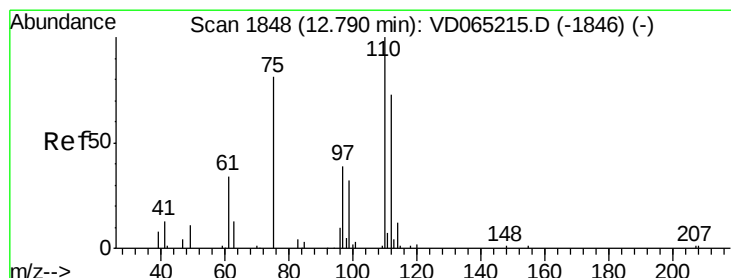
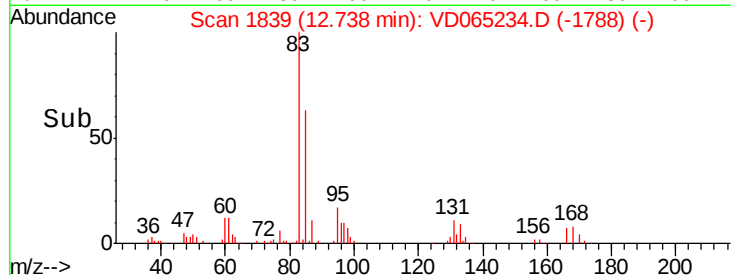
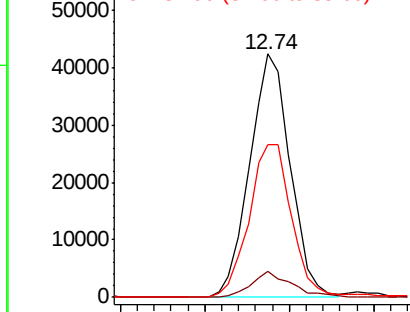
83 100

131 10.4 5.4 16.2

85 65.8 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: 34.071 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065234.D

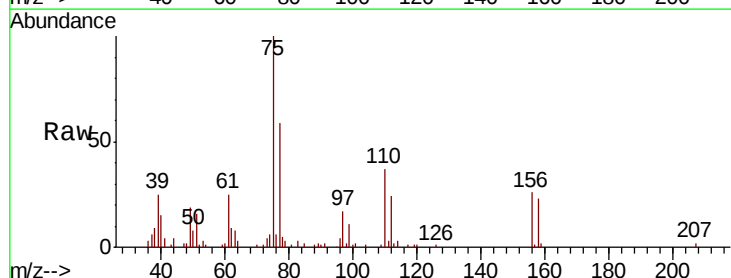
Acq: 19 Feb 2020 13:01

Tgt Ion: 75 Resp: 93168

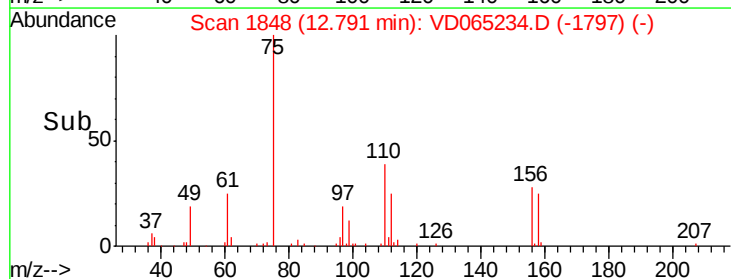
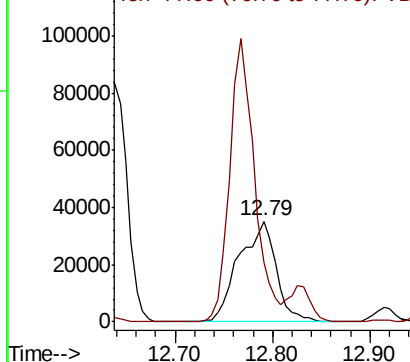
Ion Ratio Lower Upper

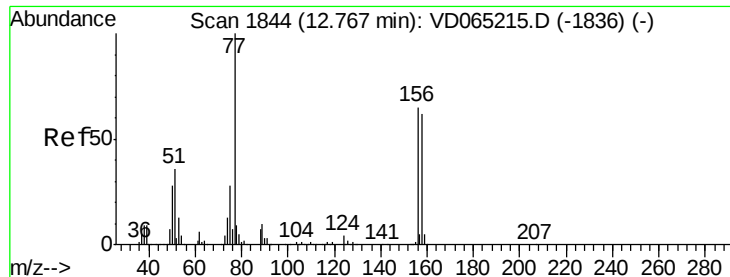
75 100

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: 19.329 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

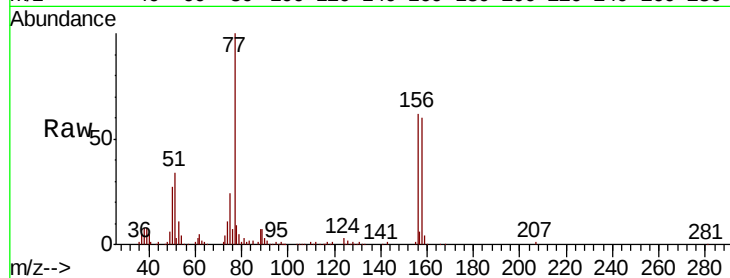
Tot Ion:156 Resp: 102130

Ion Ratio Lower Upper

156 100

77 171.7 86.6 259.7

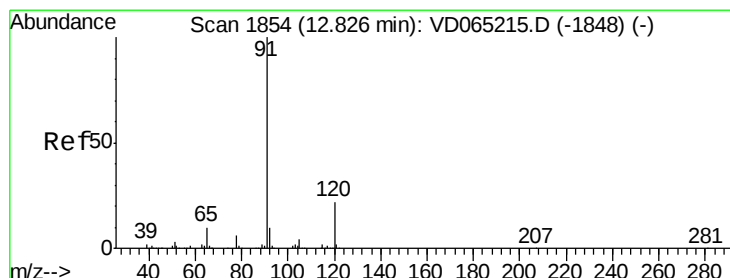
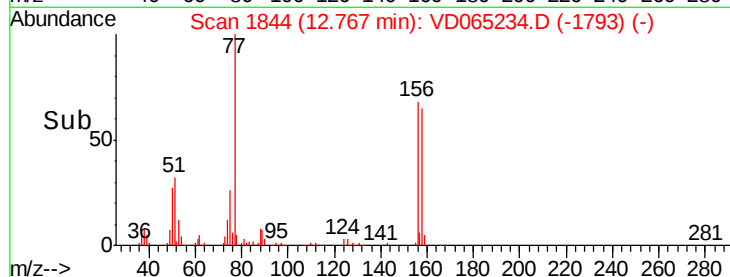
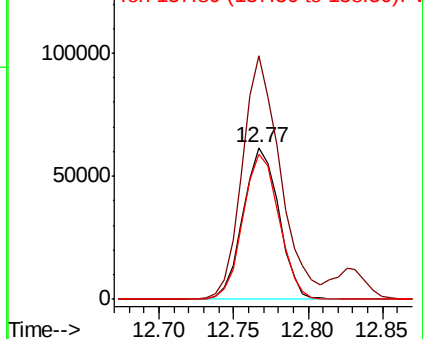
158 96.4 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.464 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065234.D

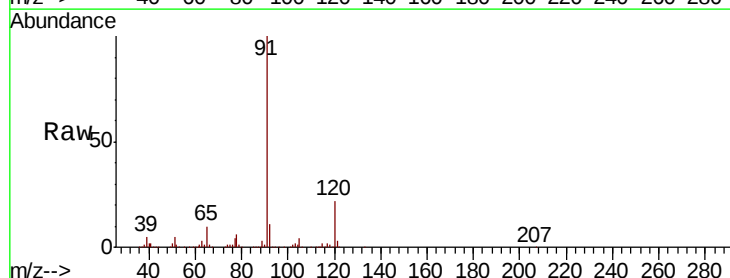
Acq: 19 Feb 2020 13:01

Tgt Ion: 91 Resp: 497696

Ion Ratio Lower Upper

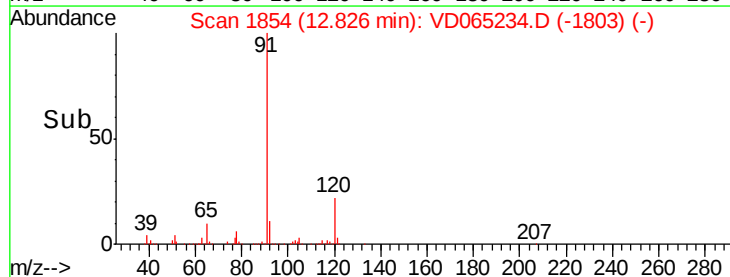
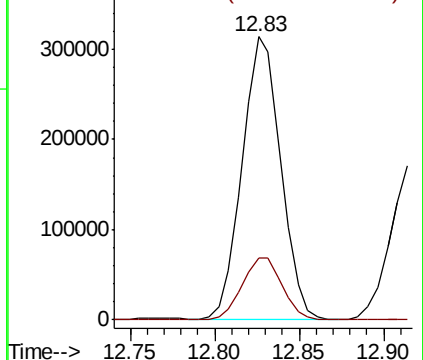
91 100

120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.193 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

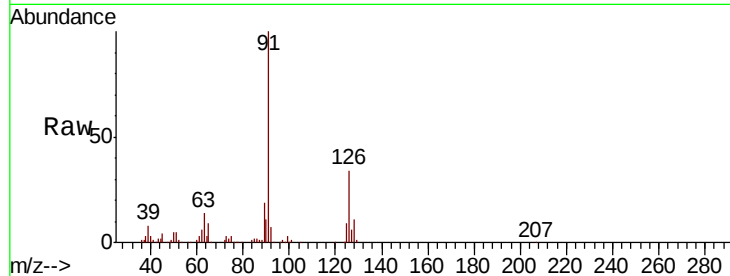
ClientSampleId :

Tot Ion: 91 Resp: 274925

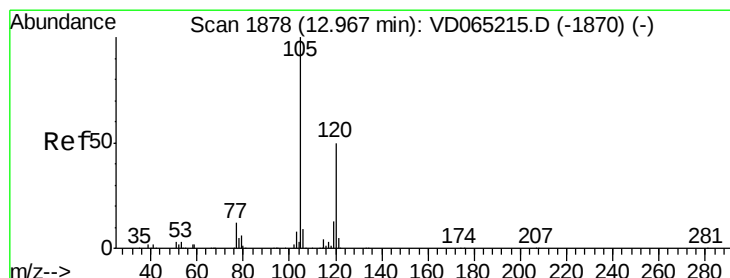
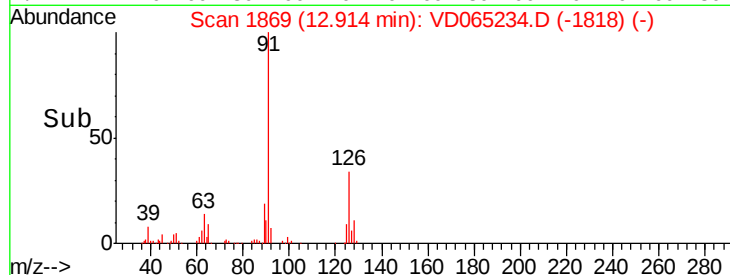
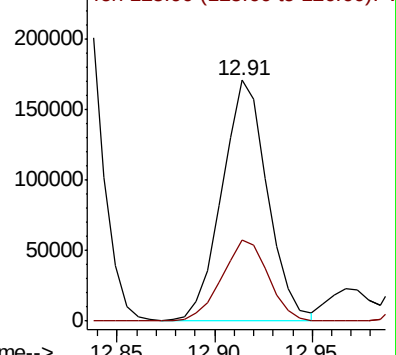
Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065234.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.308 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065234.D

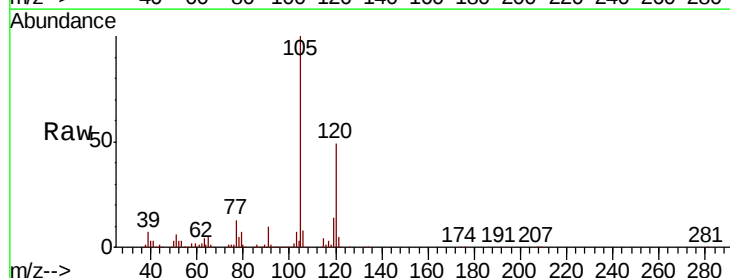
Acq: 19 Feb 2020 13:01

Tgt Ion: 105 Resp: 338365

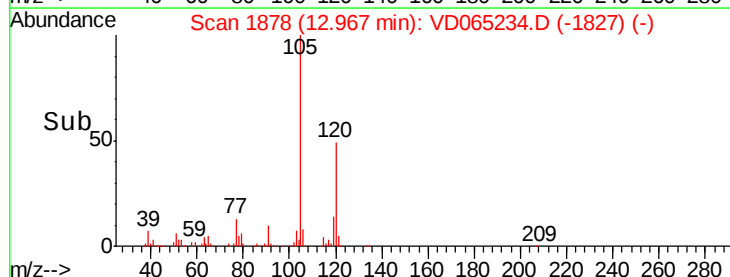
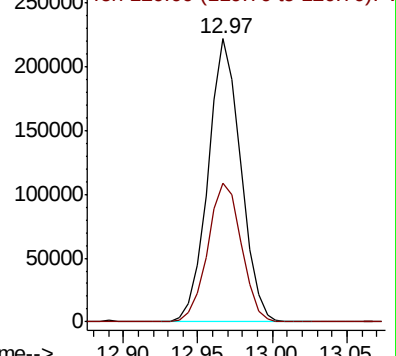
Ion Ratio Lower Upper

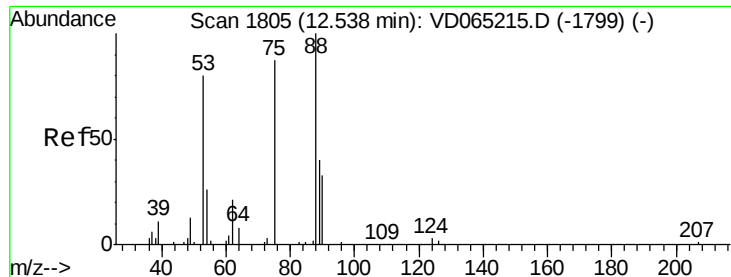
105 100

120 50.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065234.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.793 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

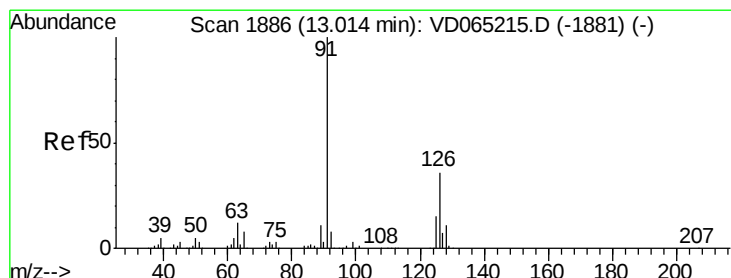
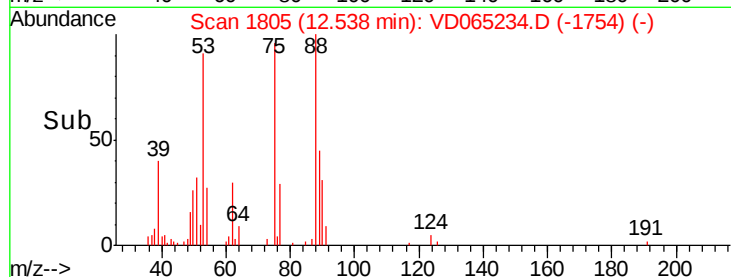
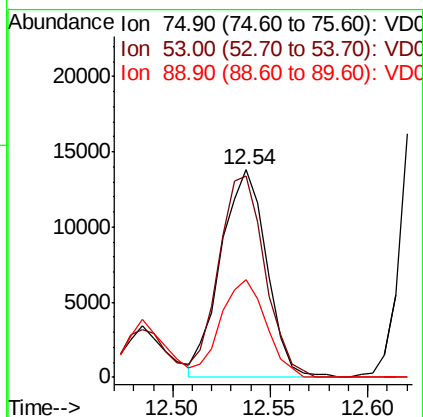
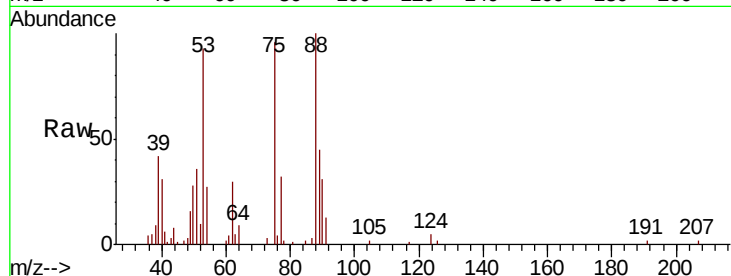
Tot Ion: 75 Resp: 22534

Ion Ratio Lower Upper

75 100

53 97.3 77.6 116.4

89 46.8 37.2 55.8



#82

4-Chlorotoluene

Concen: 19.197 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065234.D

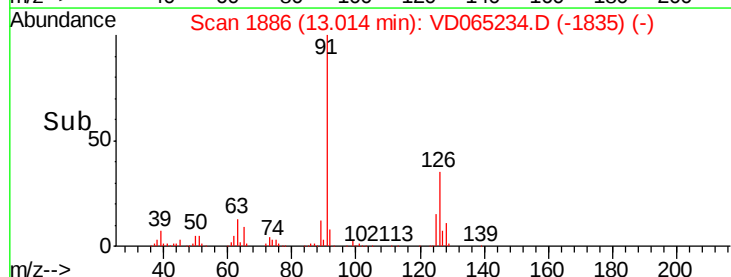
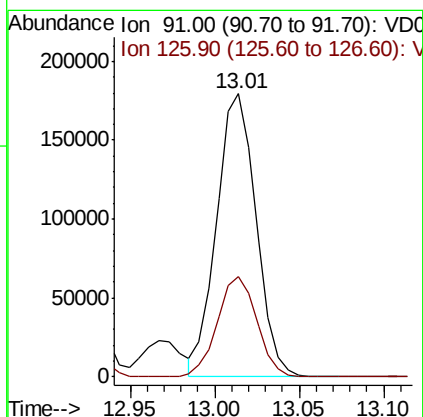
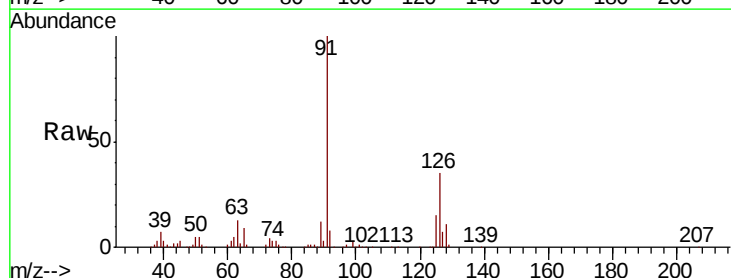
Acq: 19 Feb 2020 13:01

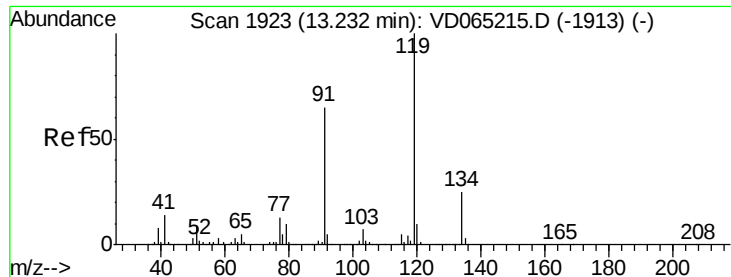
Tgt Ion: 91 Resp: 291939

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3

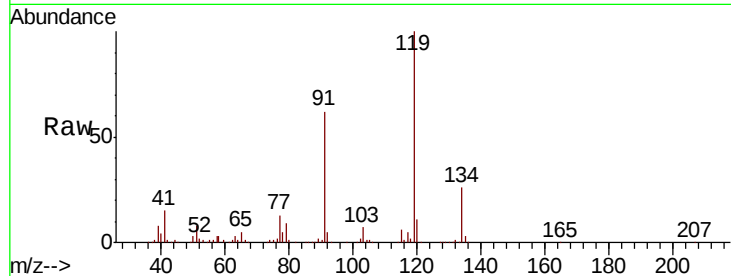




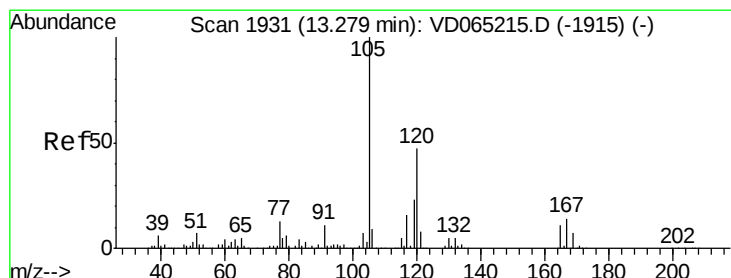
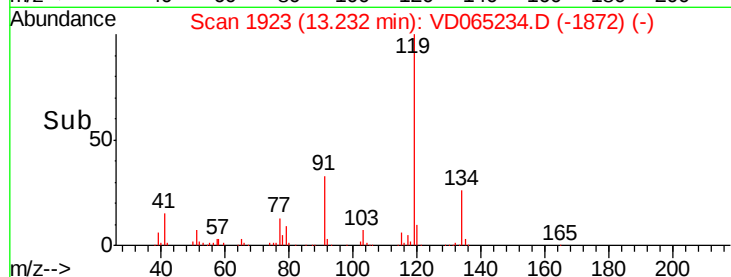
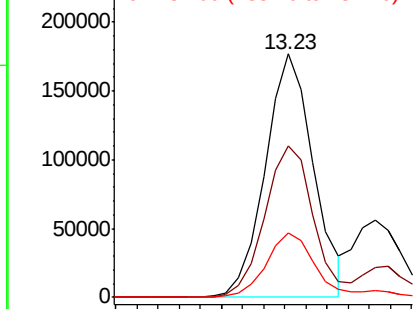
#83
tert-Butylbenzene
Concen: 19.033 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 279554
Ion Ratio Lower Upper
119 100
91 63.5 31.9 95.5
134 28.1 13.8 41.3

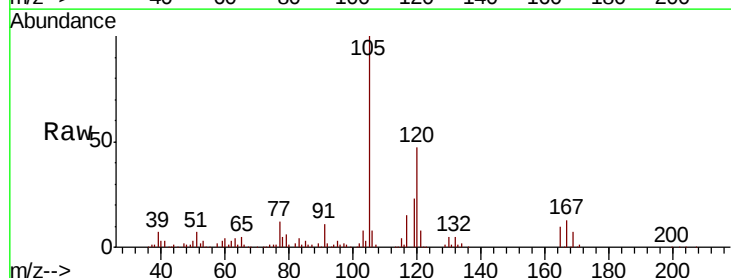


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

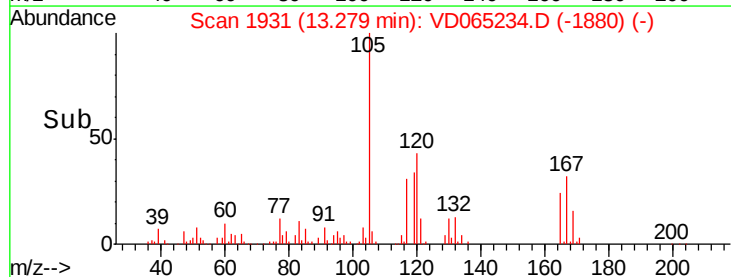
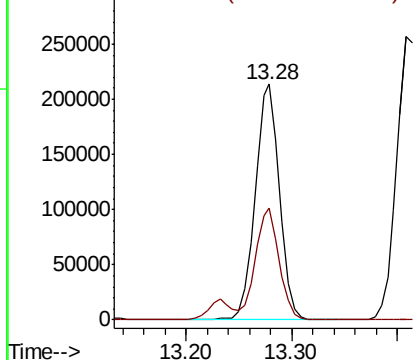


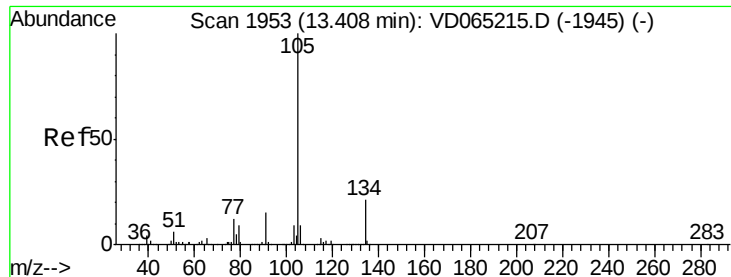
#84
1,2,4-Trimethylbenzene
Concen: 19.507 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion:105 Resp: 342173
Ion Ratio Lower Upper
105 100
120 46.0 23.3 69.9



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

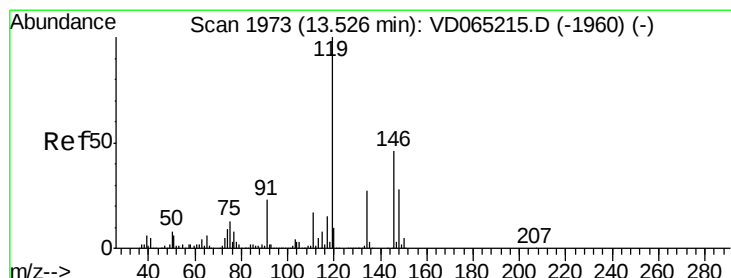
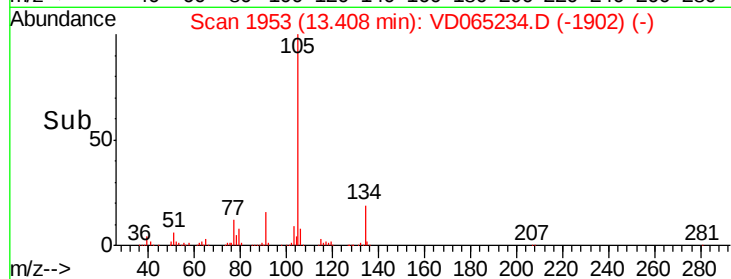
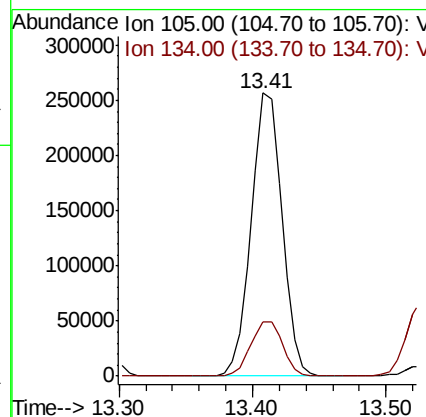
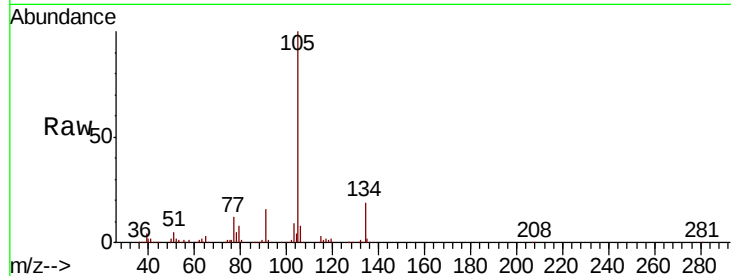




#85
 sec-Butylbenzene
 Concen: 19.270 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

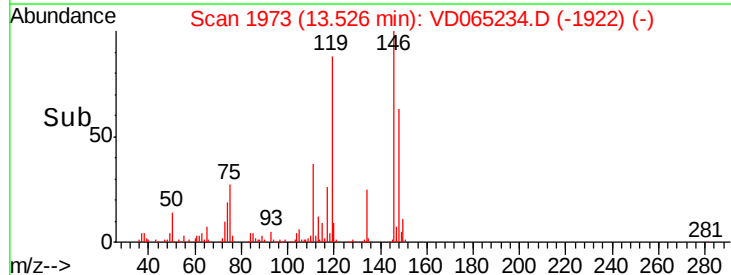
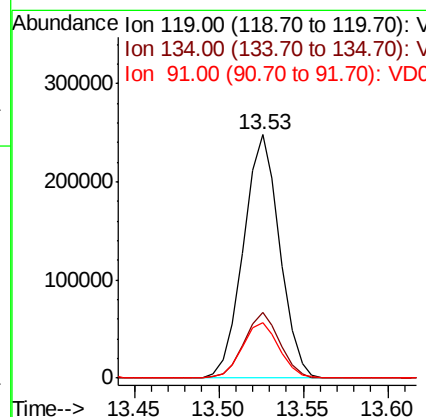
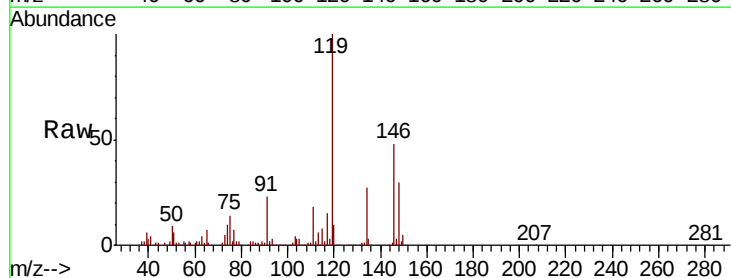
Instrument :
 MSVOA_D
 ClientSampleId :

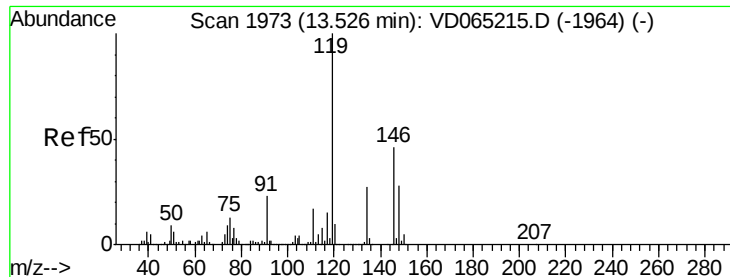
Tot Ion:105 Resp: 407857
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 19.198 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion:119 Resp: 371588
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 23.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 18.981 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

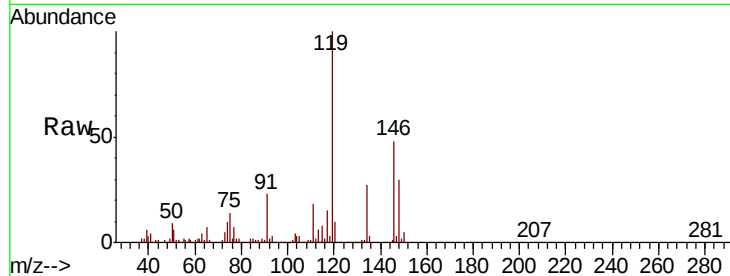
Tot Ion:146 Resp: 193877

Ion Ratio Lower Upper

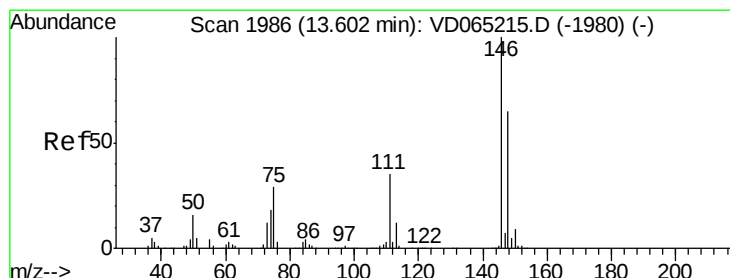
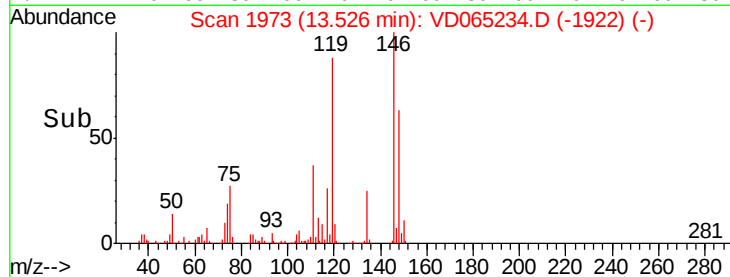
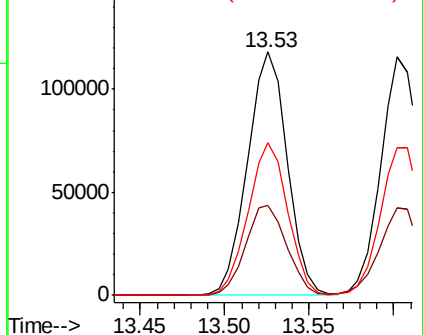
146 100

111 38.3 18.6 55.8

148 62.4 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: 18.806 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

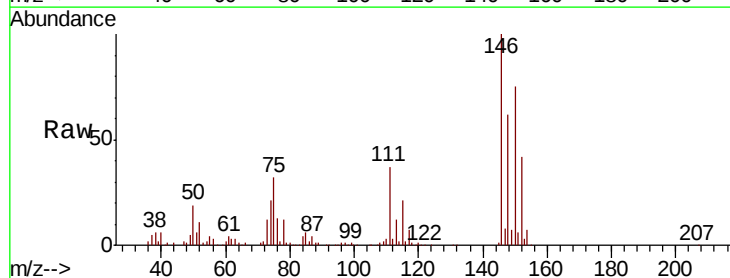
Tgt Ion:146 Resp: 189588

Ion Ratio Lower Upper

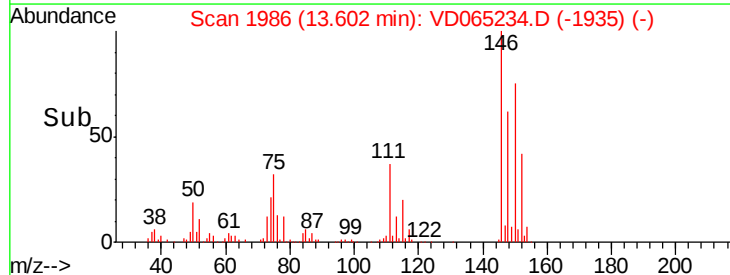
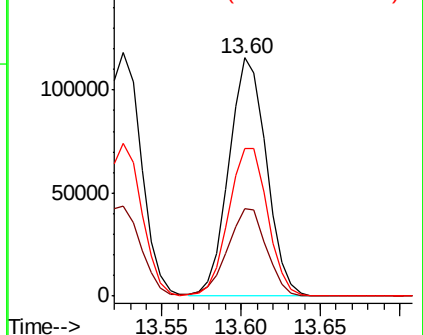
146 100

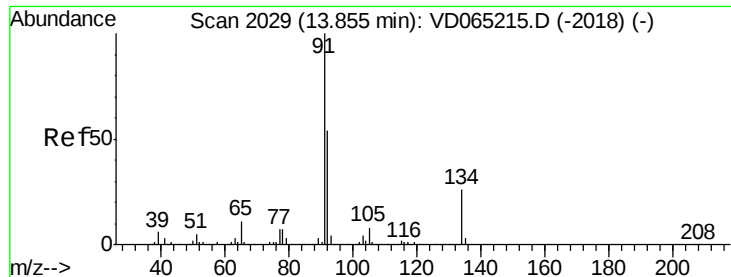
111 38.2 18.4 55.2

148 64.5 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

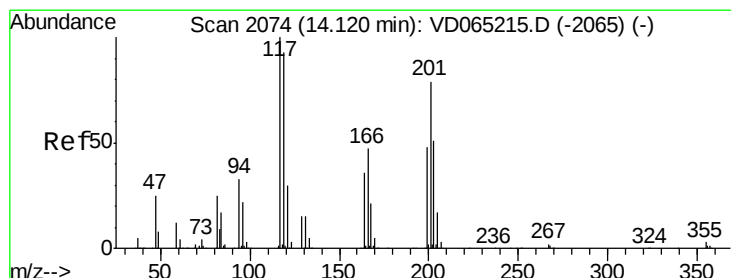
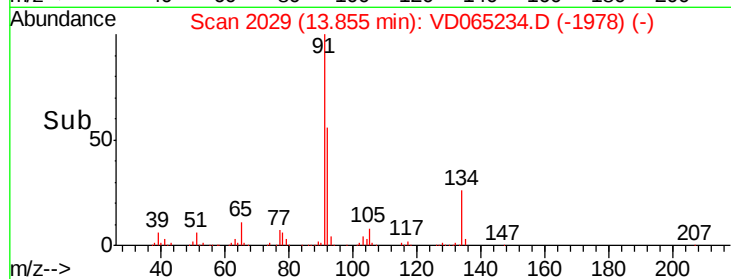
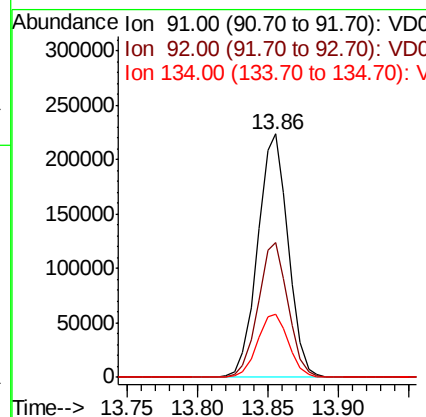
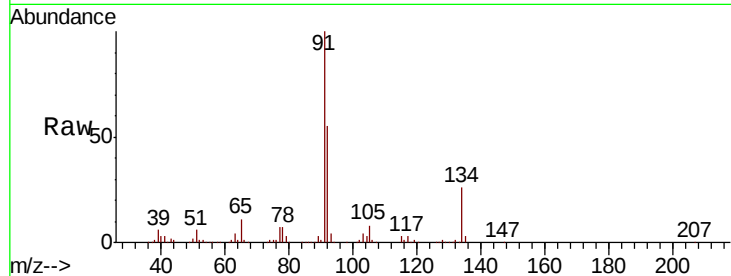




#89
n-Butylbenzene
Concen: 19.001 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

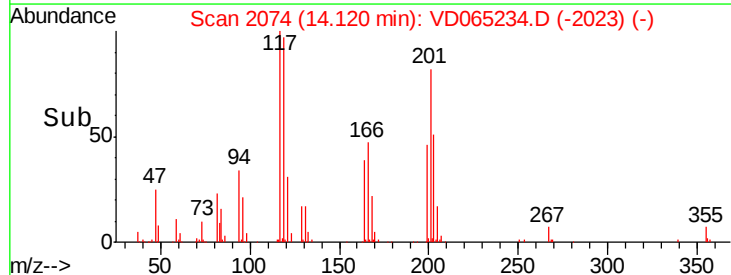
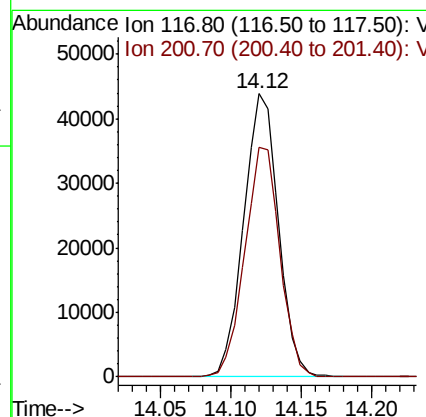
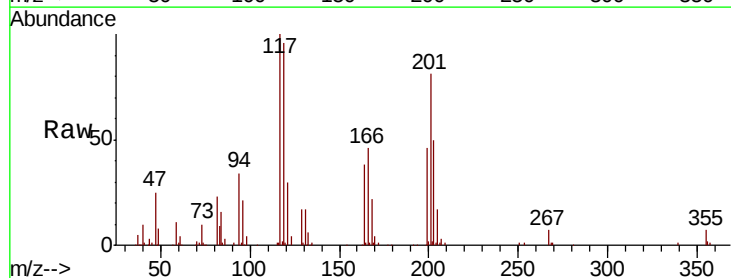
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 338892
Ion Ratio Lower Upper
91 100
92 54.5 27.0 80.8
134 26.4 13.5 40.4



#90
Hexachloroethane
Concen: 19.194 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion: 117 Resp: 75432
Ion Ratio Lower Upper
117 100
201 82.3 41.3 124.1





#91

1,2-Dichlorobenzene

Concen: 18.844 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

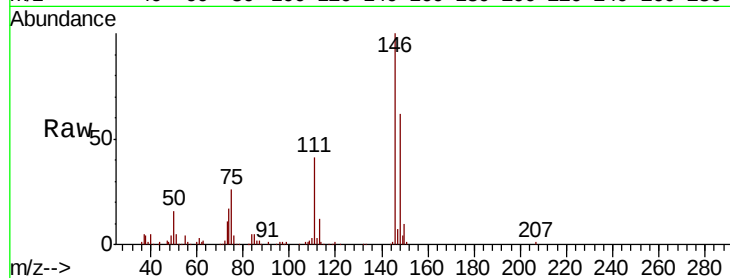
Tot Ion:146 Resp: 165270

Ion Ratio Lower Upper

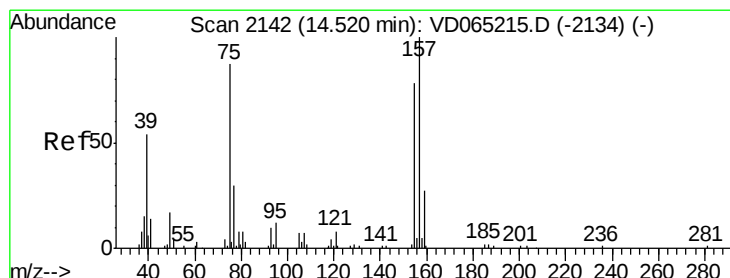
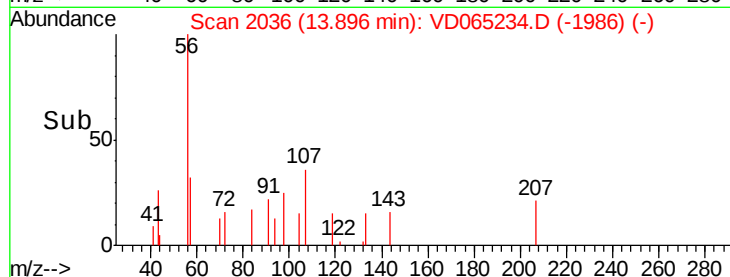
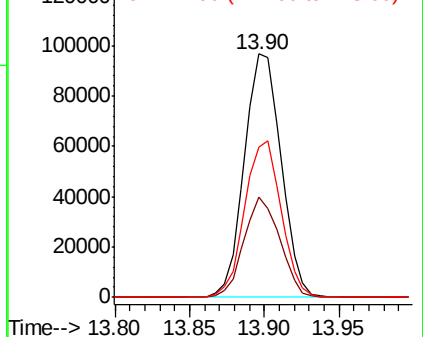
146 100

111 40.2 19.7 59.0

148 63.7 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.679 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065234.D

Acq: 19 Feb 2020 13:01

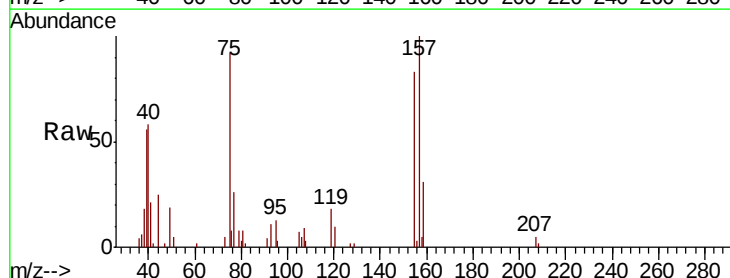
Tgt Ion: 75 Resp: 11054

Ion Ratio Lower Upper

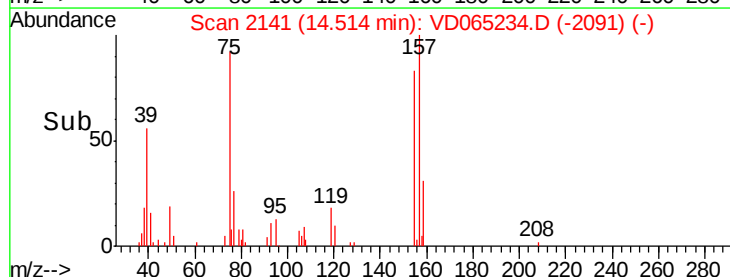
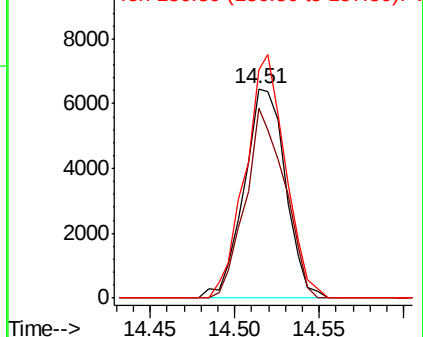
75 100

155 85.9 42.3 126.9

157 112.0 56.7 170.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

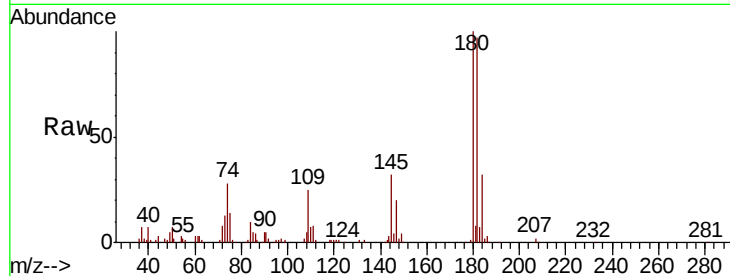




#93
 1,2,4-Trichlorobenzene
 Concen: 18.963 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.9	140.6
145	28.8	13.9	41.7

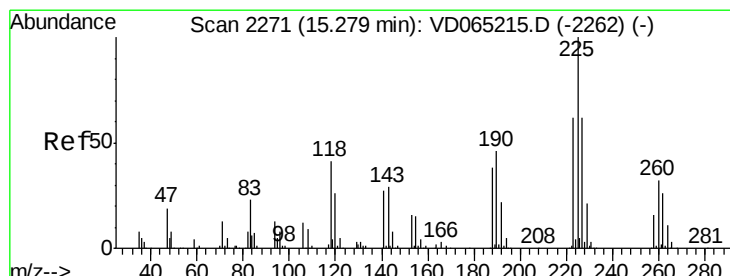
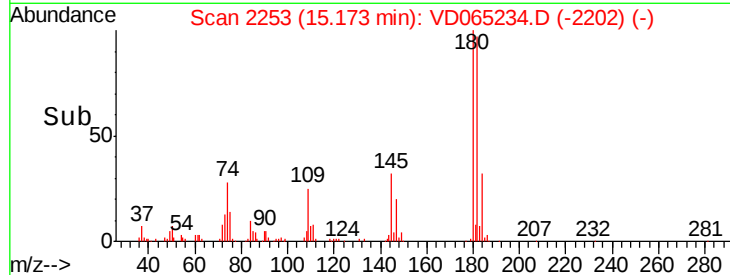
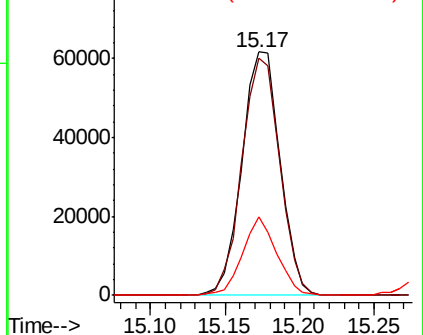


Abundance

Ion 179.80 (179.50 to 180.50): V

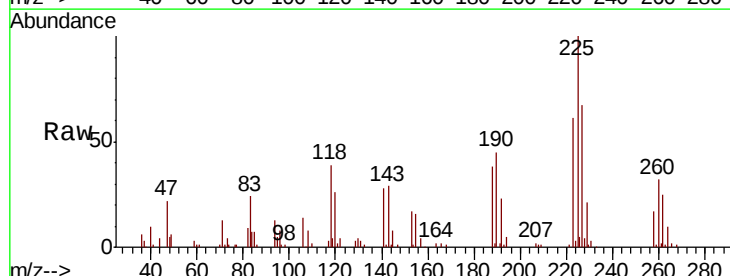
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.209 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065234.D
 Acq: 19 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.2
227	64.7	31.7	95.1

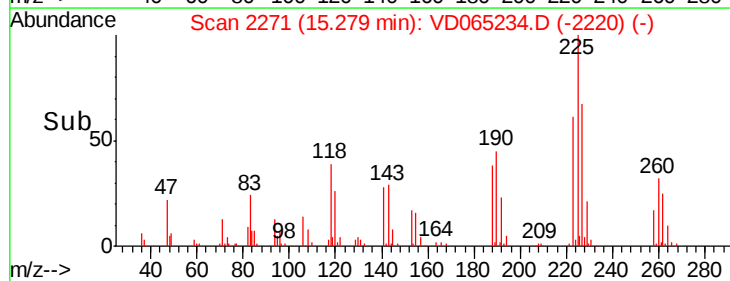
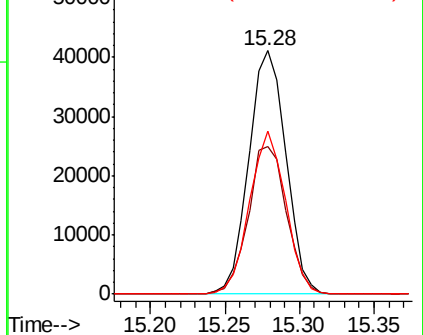


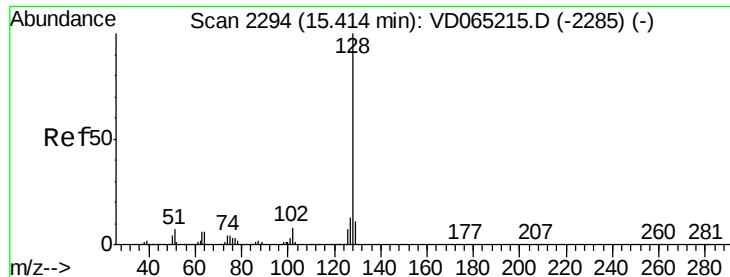
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

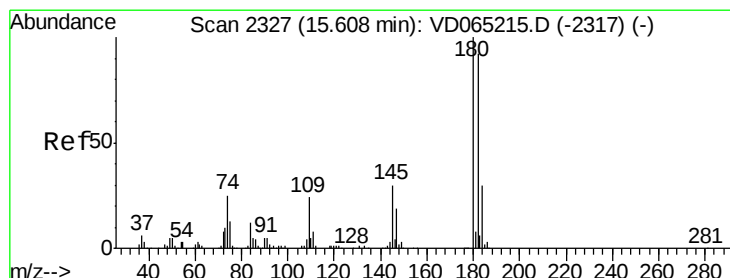
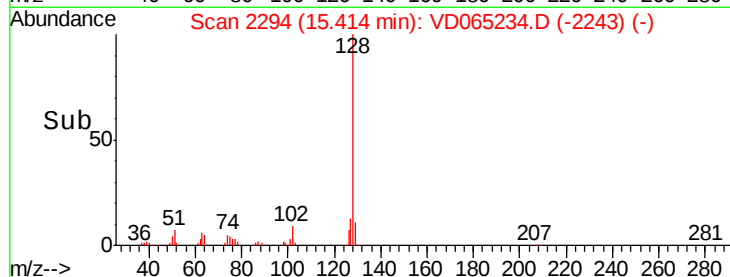
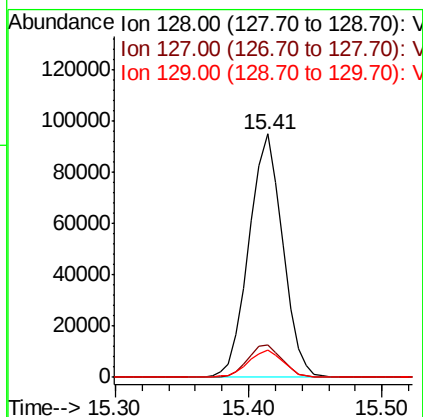
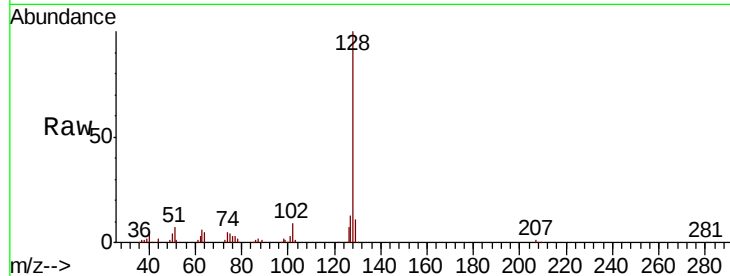




#95
Naphthalene
Concen: 17.774 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 165766
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 11.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.863 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065234.D
Acq: 19 Feb 2020 13:01

Tgt Ion:180 Resp: 94510
Ion Ratio Lower Upper
180 100
182 95.1 46.9 140.6
145 31.6 15.4 46.1

