

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065367.D
 Acq On : 28 Feb 2020 19:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 28 21:57:28 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	396562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	601498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	570087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	193732	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	7.92	113	198312	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.34	98	754478	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.64	95	250455	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	169460	50.948	ug/l	97
3) Chloromethane	2.21	50	208180	49.174	ug/l	99
4) Vinyl Chloride	2.35	62	202886	47.129	ug/l	99
5) Bromomethane	2.77	94	131420	50.490	ug/l	98
6) Chloroethane	2.93	64	128776	49.006	ug/l	99
7) Trichlorofluoromethane	3.27	101	316445	51.343	ug/l	96
8) Diethyl Ether	3.71	74	109450	58.831	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	202744	52.090	ug/l	99
10) Methyl Iodide	4.30	142	222183	54.980	ug/l	99
11) Tert butyl alcohol	5.24	59	62425	292.827	ug/l	98
12) 1,1-Dichloroethene	4.06	96	189356	51.501	ug/l	99
13) Acrolein	3.93	56	81083	318.527	ug/l	100
14) Allyl chloride	4.71	41	321709	53.882	ug/l	97
15) Acrylonitrile	5.43	53	252300	306.310	ug/l	100
16) Acetone	4.17	43	215403	247.001	ug/l	96
17) Carbon Disulfide	4.40	76	598197	48.529	ug/l	99
18) Methyl Acetate	4.73	43	115587	58.932	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	462604	60.335	ug/l	99
20) Methylene Chloride	4.96	84	242377	63.694	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	228754	54.729	ug/l	97
22) Diisopropyl ether	6.37	45	689388	59.894	ug/l	99
23) Vinyl Acetate	6.31	43	1973148	310.954	ug/l	100
24) 1,1-Dichloroethane	6.27	63	397254	55.643	ug/l	99
25) 2-Butanone	7.23	43	309830	280.805	ug/l	97
26) 2,2-Dichloropropane	7.21	77	325482	52.546	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	251994	56.917	ug/l	98
28) Bromochloromethane	7.55	49	163394	61.690	ug/l	99
29) Tetrahydrofuran	7.57	42	199486	308.570	ug/l	99
30) Chloroform	7.71	83	403209	56.059	ug/l	98
31) Cyclohexane	7.98	56	344962	49.178	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	346023	53.769	ug/l	99
36) 1,1-Dichloropropene	8.11	75	305118	52.134	ug/l	100
37) Ethyl Acetate	7.30	43	138020	56.412	ug/l	98
38) Carbon Tetrachloride	8.10	117	308380	51.760	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	362010	52.614	ug/l	96
40) Benzene	8.36	78	907456	54.932	ug/l	100
41) Methacrylonitrile	7.57	41	194043	137.357	ug/l #	21
42) 1,2-Dichloroethane	8.43	62	254192	55.972	ug/l	100
43) Isopropyl Acetate	8.46	43	258228	58.039	ug/l	99
44) Trichloroethene	9.11	130	248190	54.200	ug/l	99
45) 1,2-Dichloropropane	9.39	63	234349	57.051	ug/l	99
46) Dibromomethane	9.48	93	123746	58.550	ug/l	99
47) Bromodichloromethane	9.67	83	316499	56.824	ug/l	99
48) Methyl methacrylate	9.46	41	122186	59.413	ug/l	96
49) 1,4-Dioxane	9.47	88	30398	1226.308	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	689511	305.121	ug/l	100
52) Toluene	10.41	92	580958	56.816	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	304491	58.979	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	365213	58.582	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	173400	58.290	ug/l	97
56) Ethyl methacrylate	10.67	69	218549	63.651	ug/l	98
57) 1,3-Dichloropropane	10.95	76	299584	59.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	283590	261.978	ug/l	98
59) 2-Hexanone	10.99	43	464846	287.359	ug/l	95
60) Dibromochloromethane	11.14	129	225256	59.162	ug/l	99
61) 1,2-Dibromoethane	11.25	107	168792	59.929	ug/l	100
64) Tetrachloroethene	10.88	164	209563	51.830	ug/l	98
65) Chlorobenzene	11.67	112	620375	54.228	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	234387	54.902	ug/l	99
67) Ethyl Benzene	11.75	91	1093188	54.560	ug/l	99
68) m/p-Xylenes	11.86	106	842035	109.844	ug/l	99
69) o-Xylene	12.19	106	383324	56.442	ug/l	99
70) Styrene	12.20	104	687601	57.025	ug/l	100
71) Bromoform	12.37	173	135107	57.032	ug/l #	99
73) Isopropylbenzene	12.48	105	1025843	53.603	ug/l	99
74) N-amyl acetate	12.30	43	235770	55.442	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	188300	54.517	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	246067	100.047	ug/l #	100
77) Bromobenzene	12.77	156	259312	54.566	ug/l	99
78) n-propylbenzene	12.83	91	1216676	52.902	ug/l	99
79) 2-Chlorotoluene	12.91	91	688302	53.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	856538	54.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61366	53.873	ug/l	96
82) 4-Chlorotoluene	13.01	91	728136	53.234	ug/l	99
83) tert-Butylbenzene	13.23	119	707759	53.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	858839	54.436	ug/l	99
85) sec-Butylbenzene	13.41	105	1001230	52.596	ug/l	100
86) p-Isopropyltoluene	13.53	119	932422	53.561	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	487043	53.013	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	482140	53.173	ug/l	99
89) n-Butylbenzene	13.86	91	863056	53.800	ug/l	99
90) Hexachloroethane	14.13	117	184430	52.176	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	430642	54.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28911	54.316	ug/l	94

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QLast Update : Wed Feb 19 03:26:54 2020
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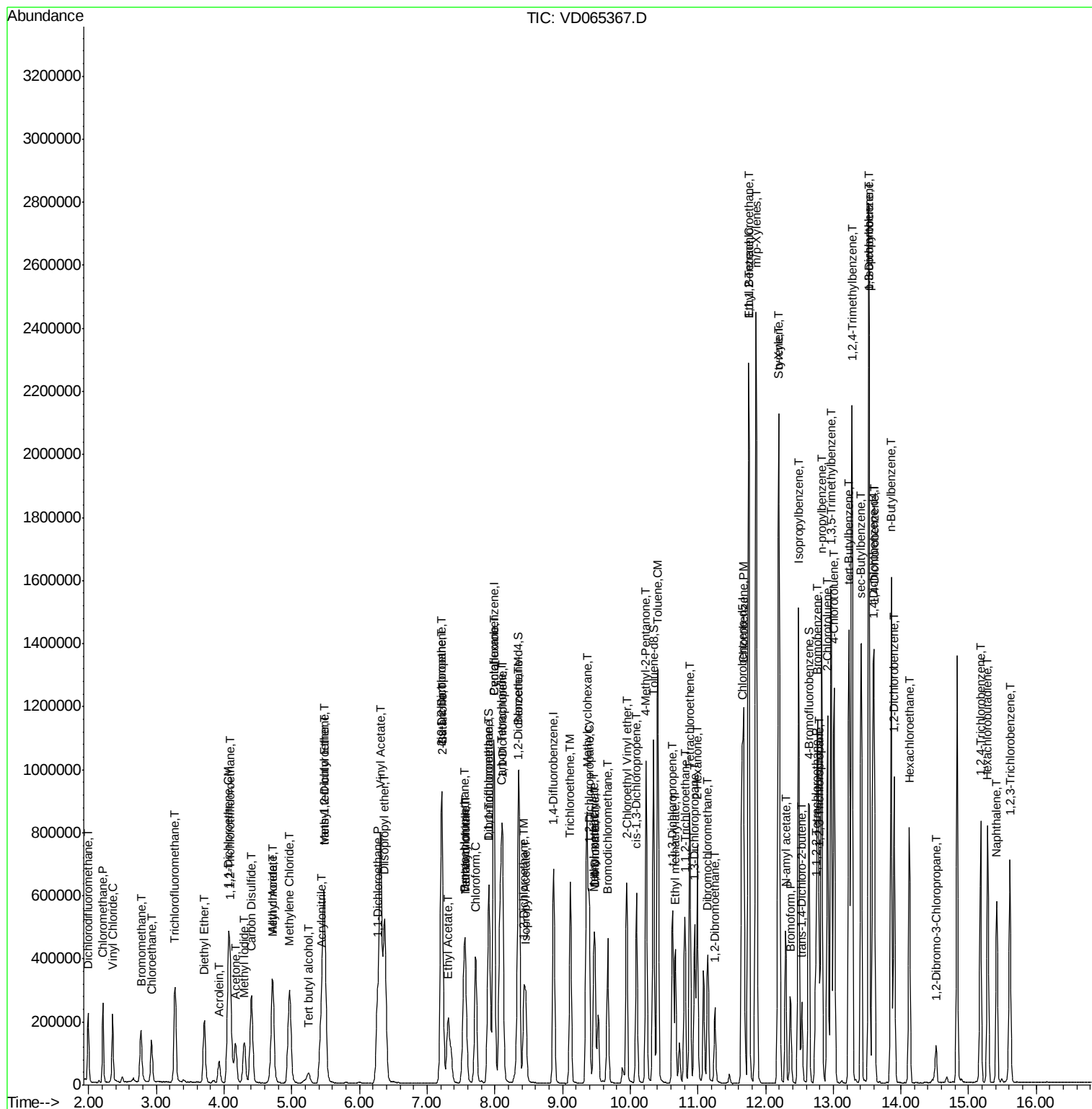
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	298657	57.880	ug/l	98
94) Hexachlorobutadiene	15.28	225	171637	51.854	ug/l	99
95) Naphthalene	15.41	128	516945	61.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	259682	57.623	ug/l	97

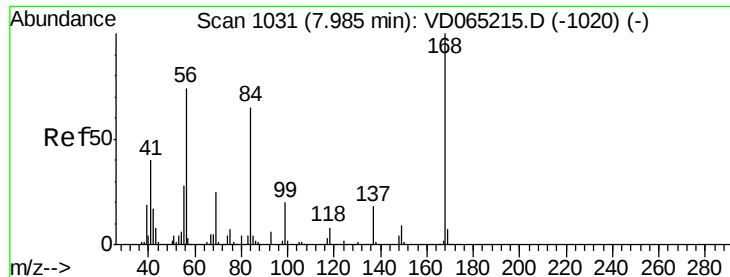
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

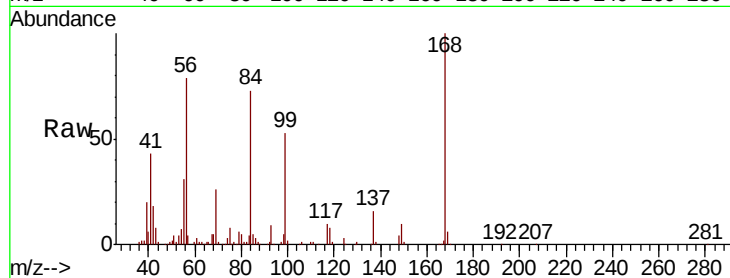
VSTDCCC050EC

Tot Ion:168 Resp: 396562

Ion Ratio Lower Upper

168 100

99 52.9 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

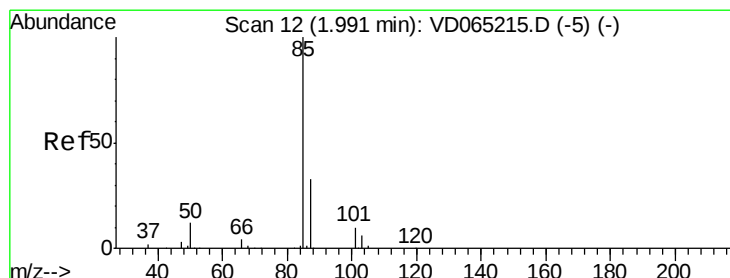
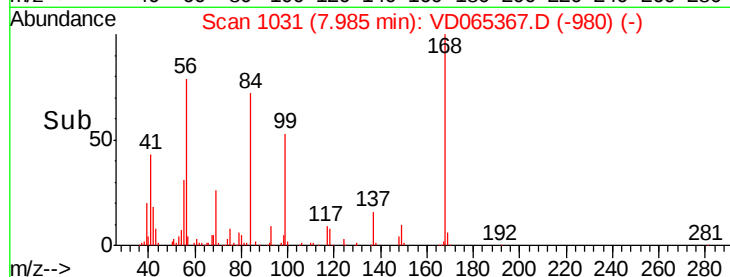
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.948 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065367.D

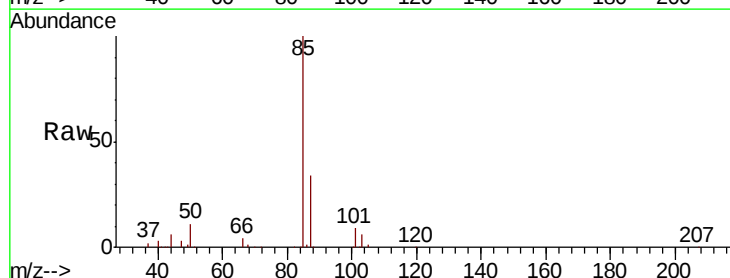
Acq: 28 Feb 2020 19:09

Tgt Ion: 85 Resp: 169460

Ion Ratio Lower Upper

85 100

87 34.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

50000

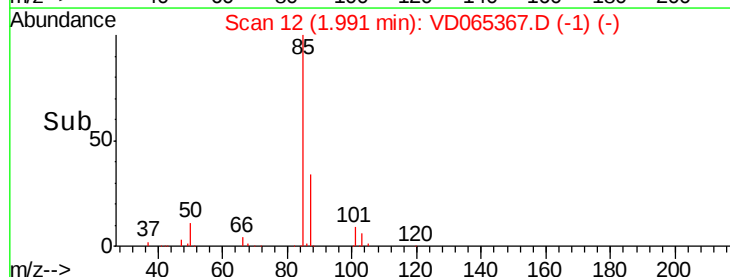
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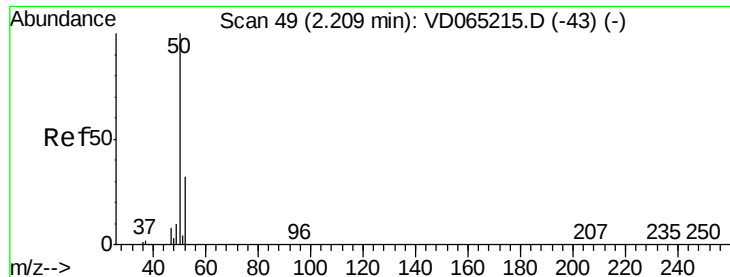
1.90

2.00

2.10

Time-->

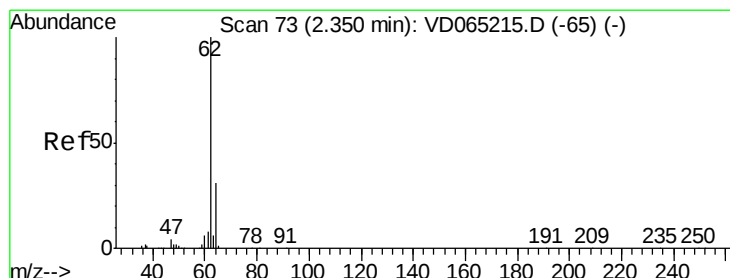
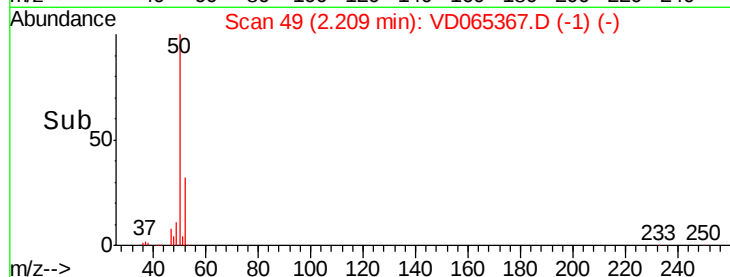
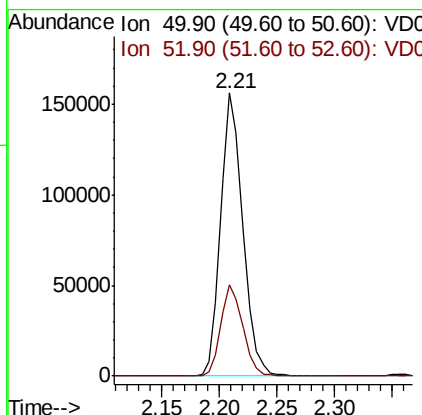
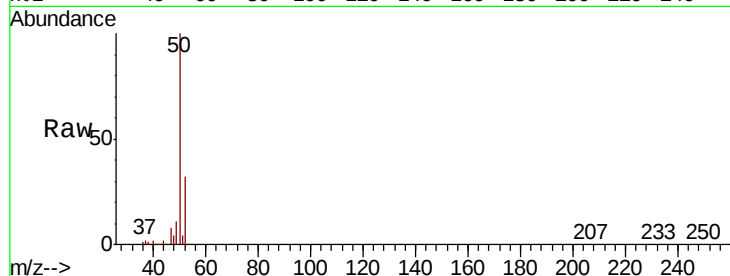




#3
Chloromethane
Concen: 49.174 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

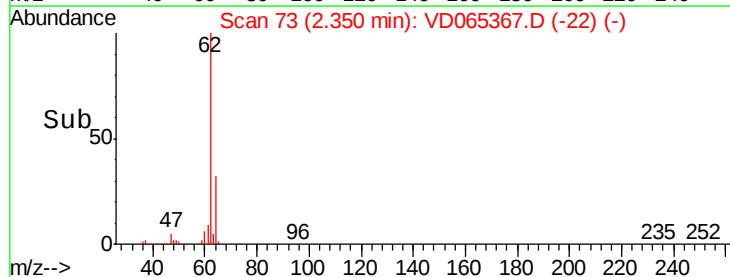
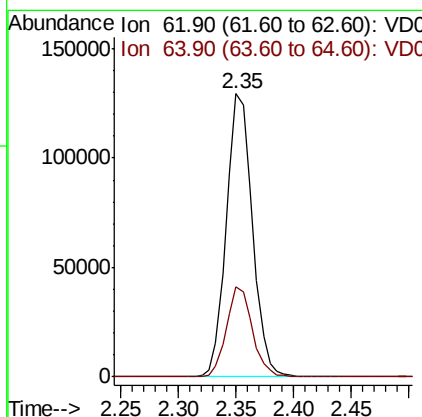
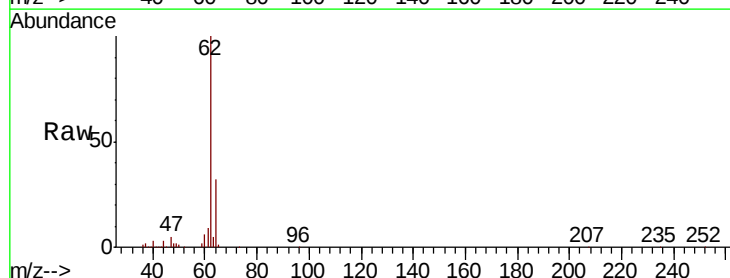
Instrument :
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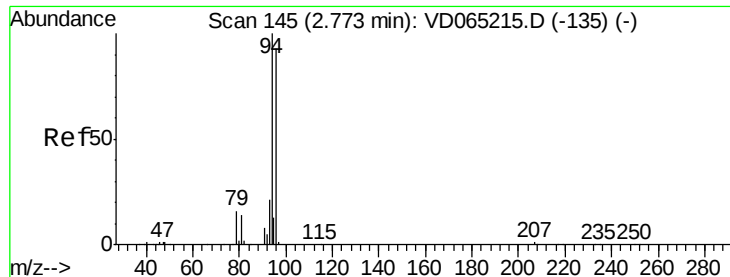
Tot Ion: 50 Resp: 208180
Ion Ratio Lower Upper
50 100
52 32.2 25.5 38.3



#4
Vinyl Chloride
Concen: 47.129 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 62 Resp: 202886
Ion Ratio Lower Upper
62 100
64 31.7 25.0 37.6





#5

Bromomethane

Concen: 50.490 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

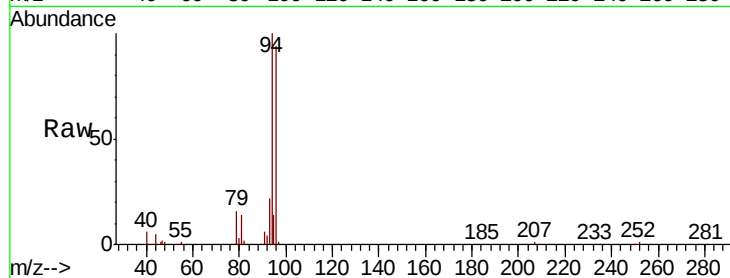
VSTDCCC050EC

Tot Ion: 94 Resp: 131420

Ion Ratio Lower Upper

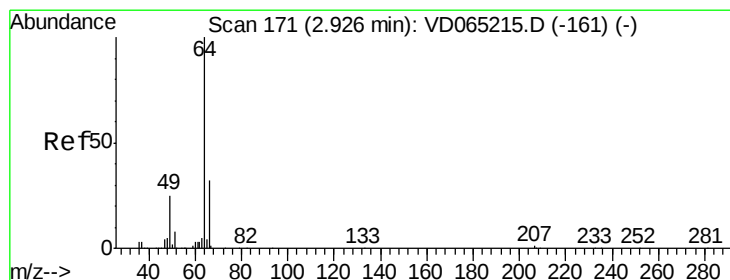
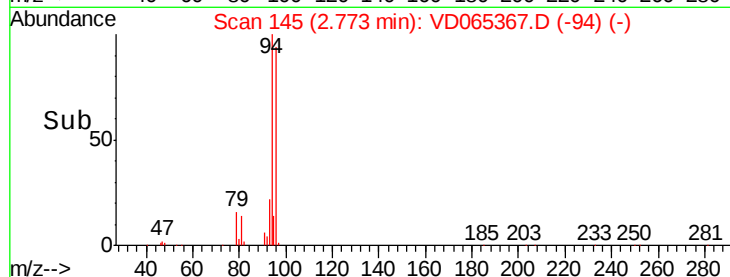
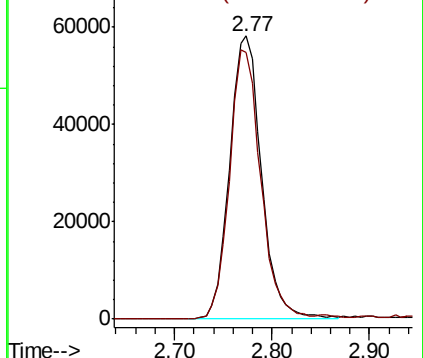
94 100

96 94.3 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: 49.006 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065367.D

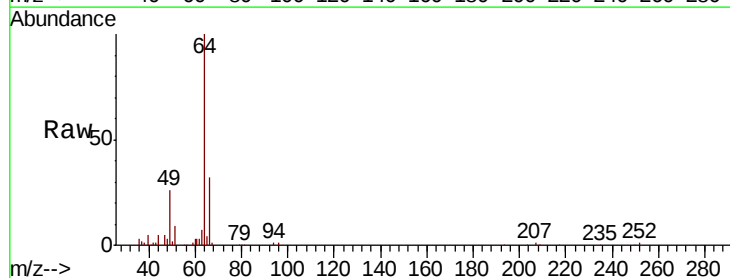
Acq: 28 Feb 2020 19:09

Tgt Ion: 64 Resp: 128776

Ion Ratio Lower Upper

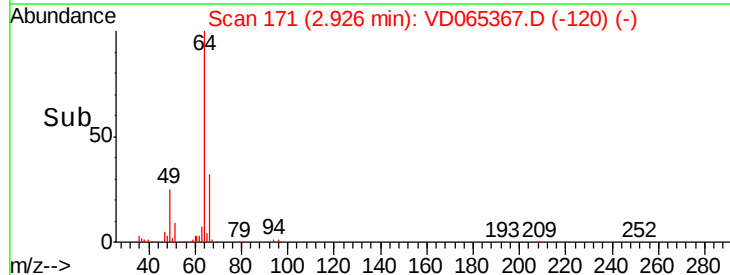
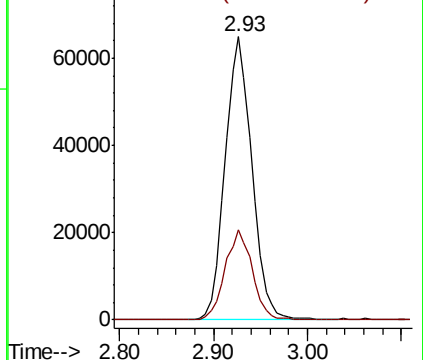
64 100

66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



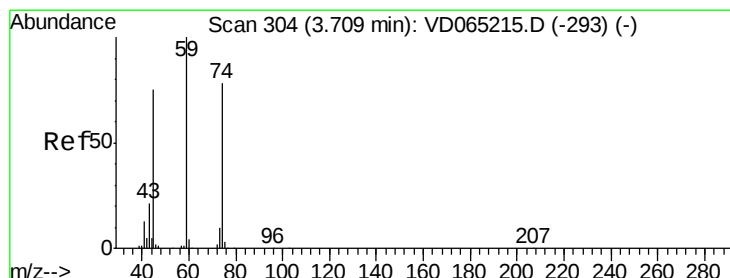
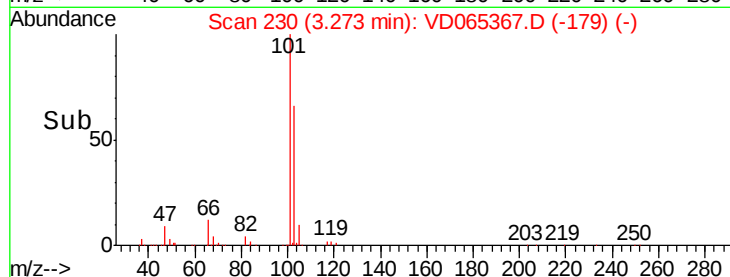
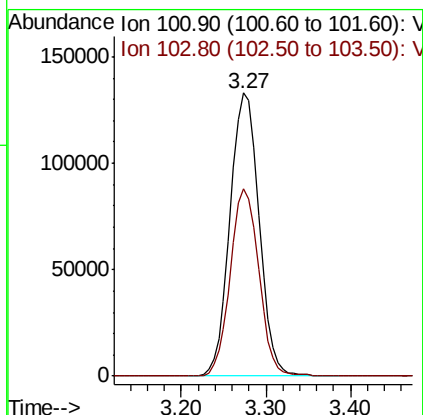
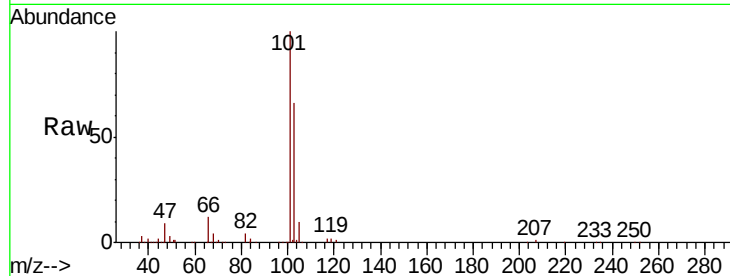


#7

Trichlorofluoromethane
 Concen: 51.343 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
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 VSTDCCC050EC

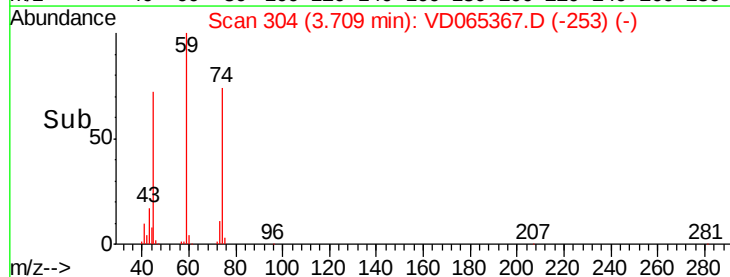
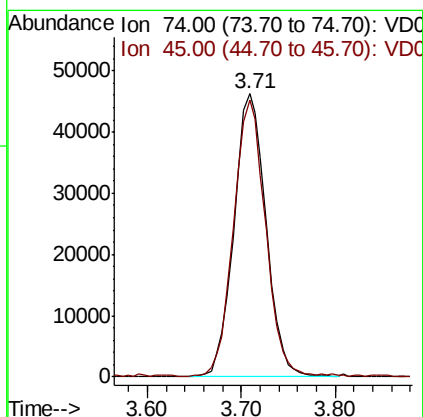
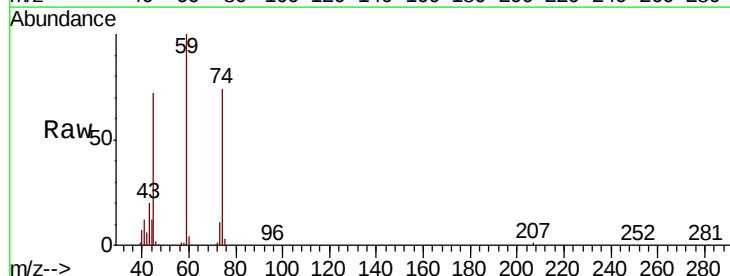
Tot Ion: 101 Resp: 316445
 Ion Ratio Lower Upper
 101 100
 103 66.4 50.7 76.1

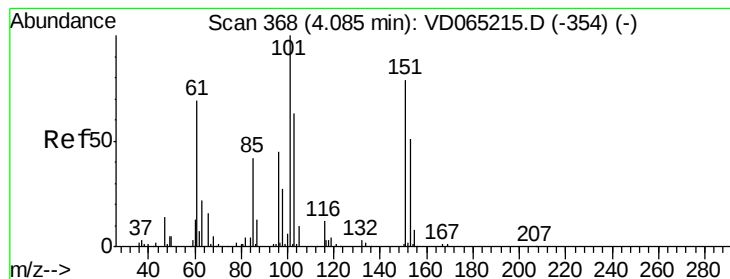


#8

Diethyl Ether
 Concen: 58.831 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion: 74 Resp: 109450
 Ion Ratio Lower Upper
 74 100
 45 98.0 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.090 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

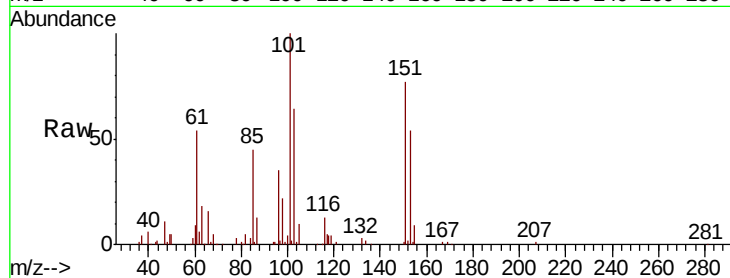
Tot Ion:101 Resp: 202744

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

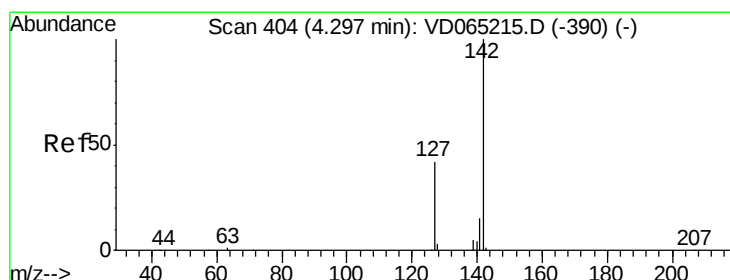
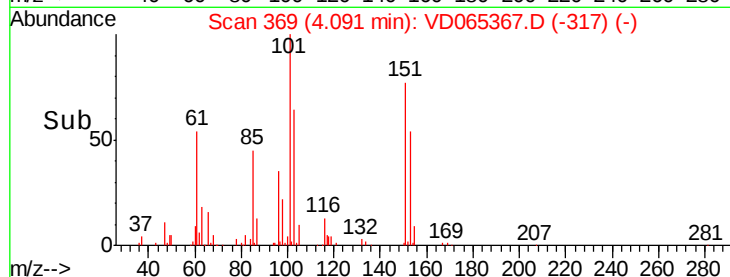
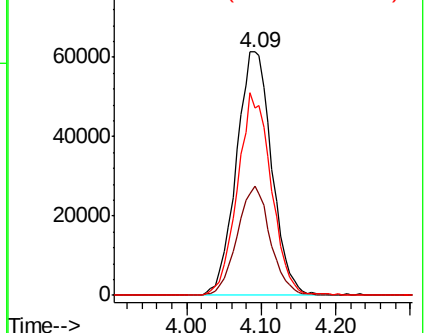
151 78.8 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.980 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

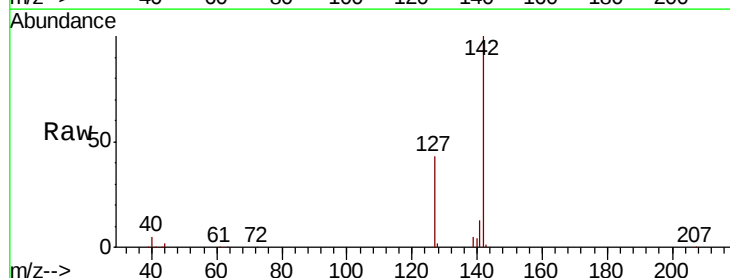
Tgt Ion:142 Resp: 222183

Ion Ratio Lower Upper

142 100

127 43.3 33.8 50.8

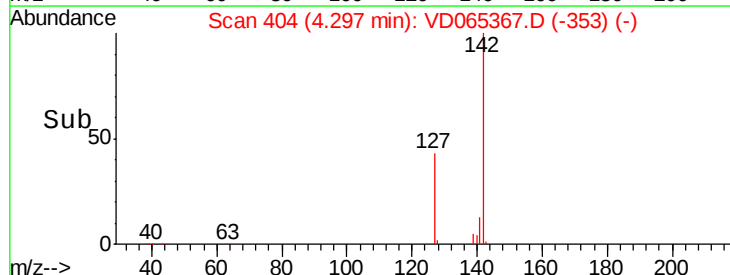
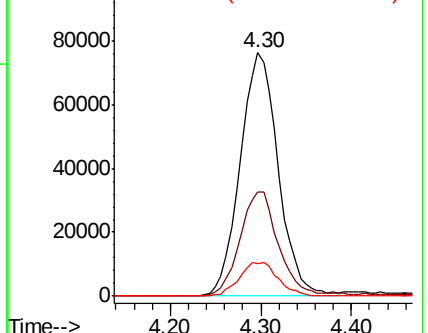
141 14.2 11.7 17.5

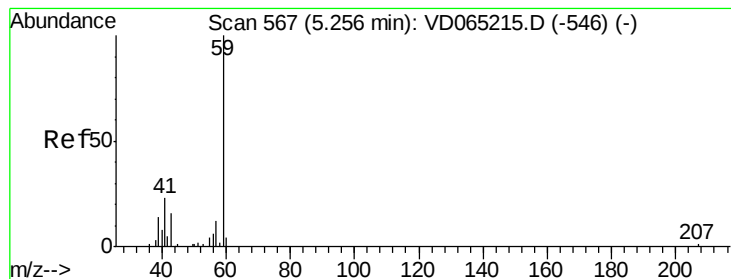


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 292.827 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

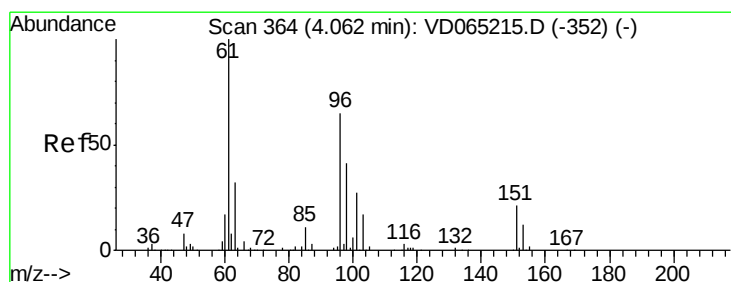
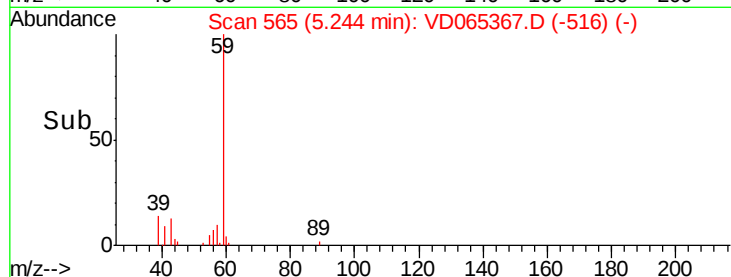
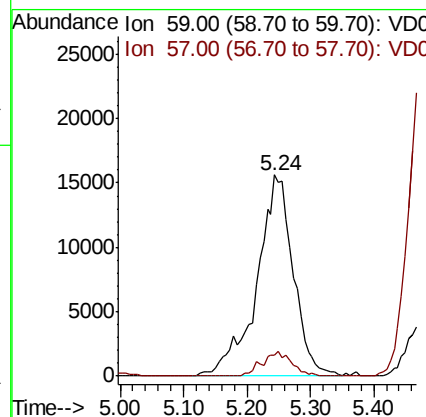
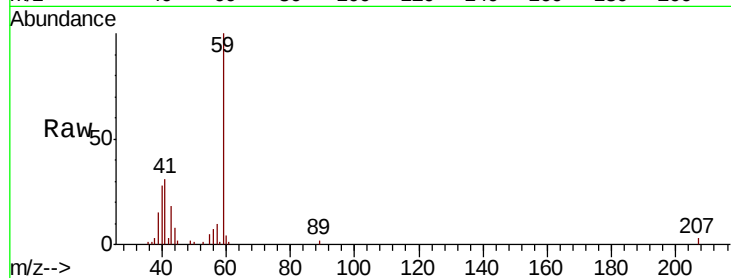
VSTDCCC050EC

Tot Ion: 59 Resp: 62425

Ion Ratio Lower Upper

59 100

57 9.9 8.4 12.6



#12

1,1-Dichloroethene

Concen: 51.501 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

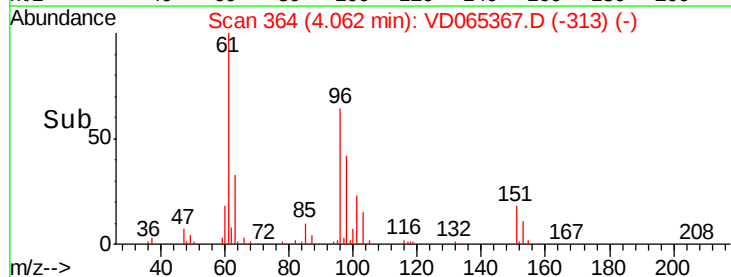
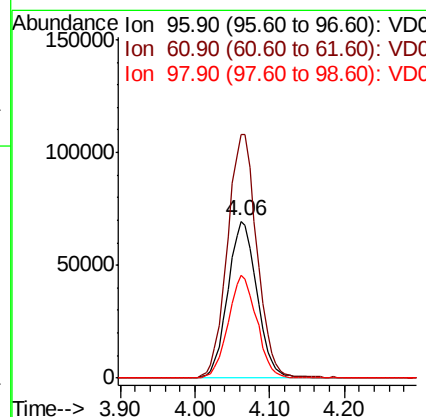
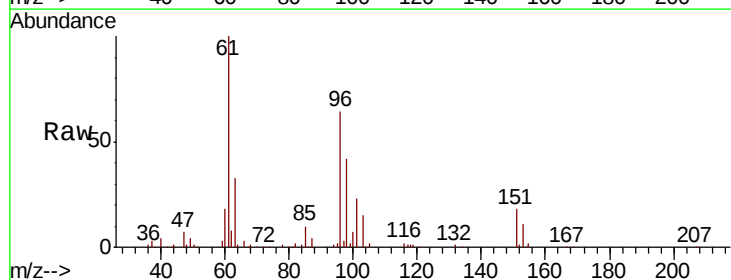
Tgt Ion: 96 Resp: 189356

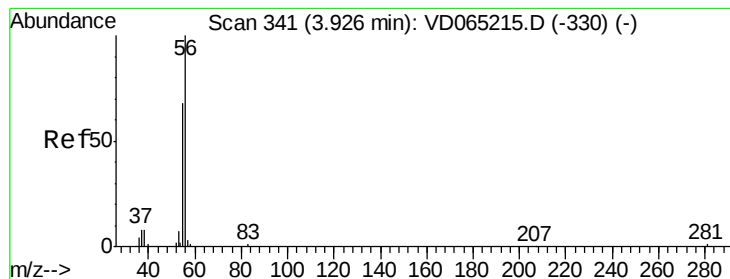
Ion Ratio Lower Upper

96 100

61 155.1 123.3 184.9

98 65.5 51.0 76.4





#13

Acrolein

Concen: 318.527 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

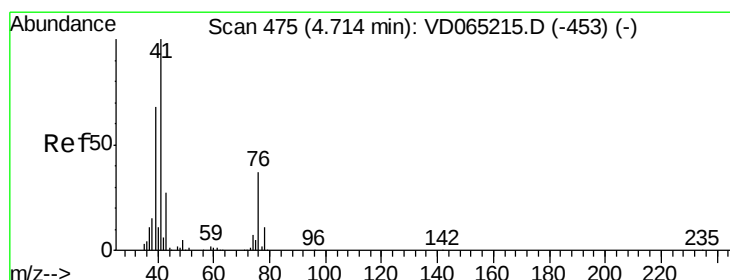
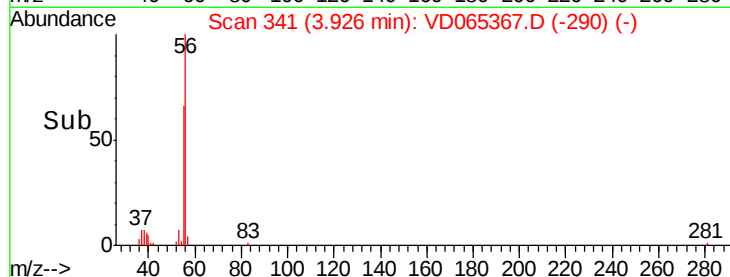
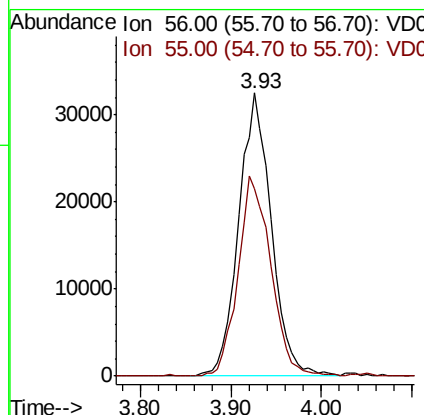
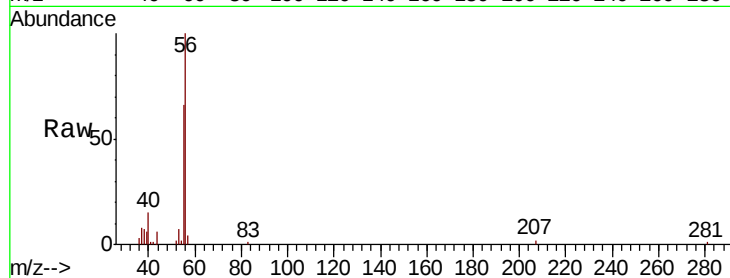
VSTDCCC050EC

Tot Ion: 56 Resp: 81083

Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0



#14

Allyl chloride

Concen: 53.882 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

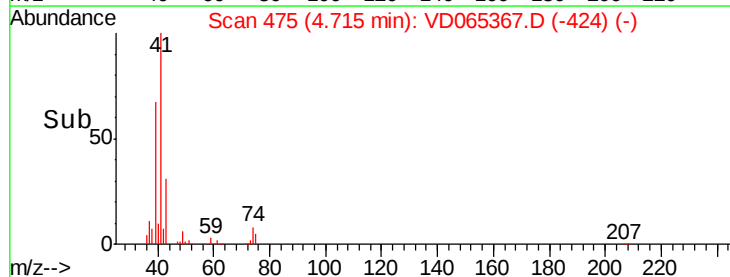
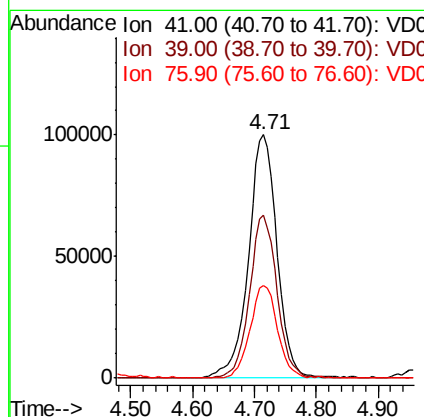
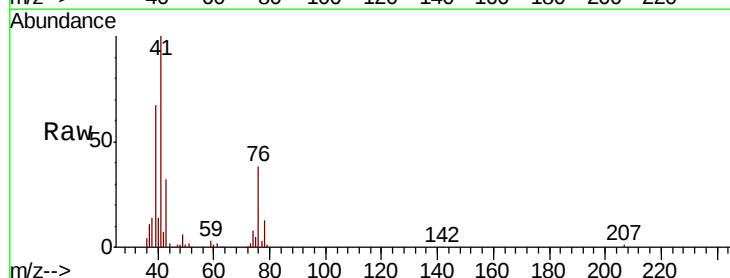
Tgt Ion: 41 Resp: 321709

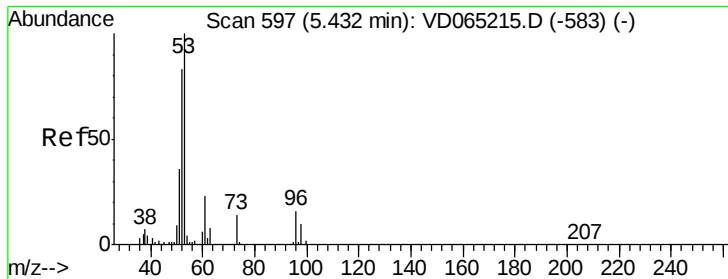
Ion Ratio Lower Upper

41 100

39 64.3 53.8 80.6

76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 306.310 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

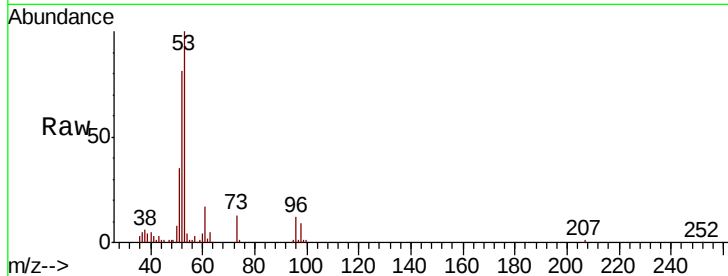
Tot Ion: 53 Resp: 252300

Ion Ratio Lower Upper

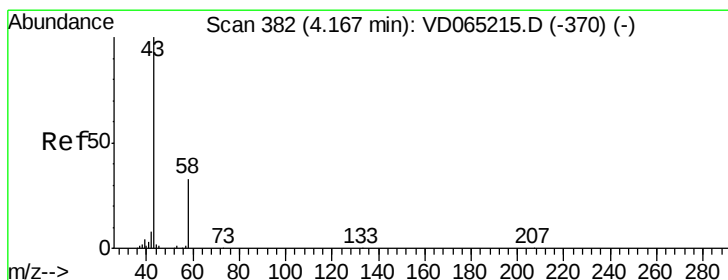
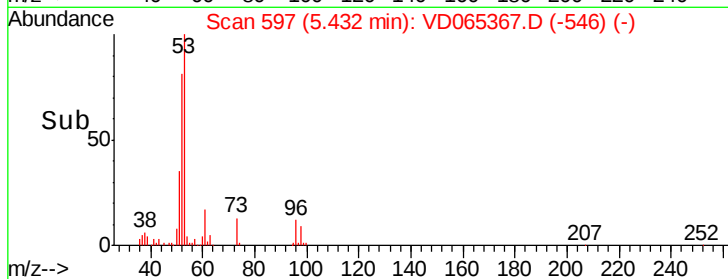
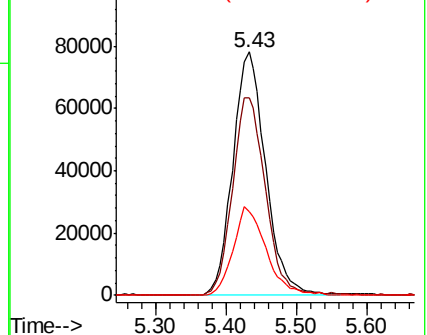
53 100

52 81.5 65.4 98.2

51 36.7 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: 247.001 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065367.D

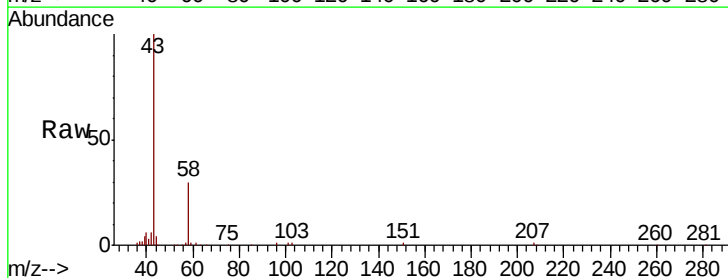
Acq: 28 Feb 2020 19:09

Tgt Ion: 43 Resp: 215403

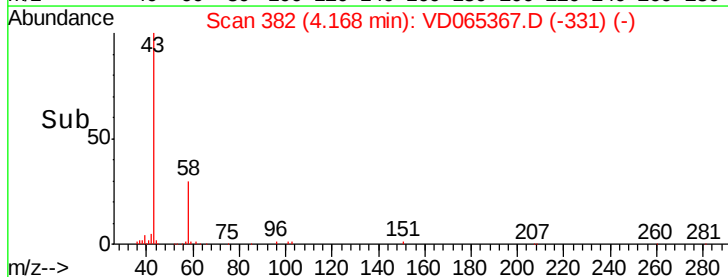
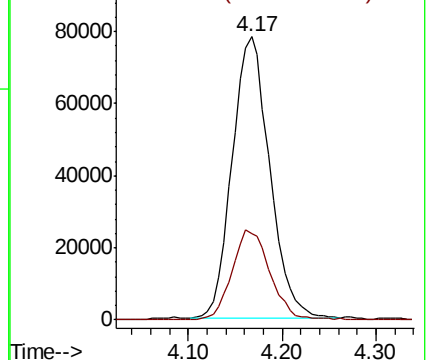
Ion Ratio Lower Upper

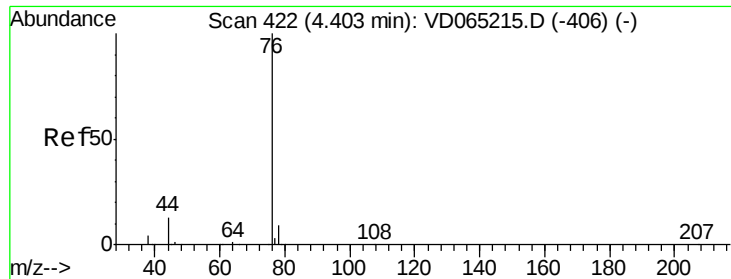
43 100

58 30.3 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: 48.529 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

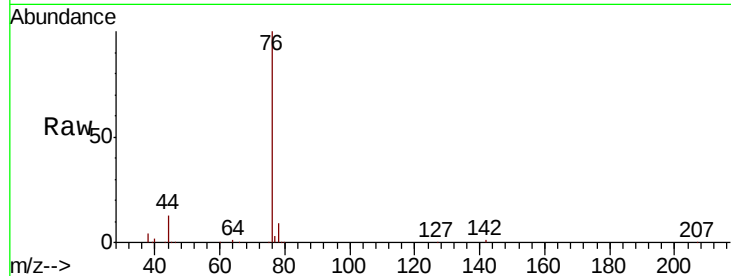
VSTDCCC050EC

Tot Ion: 76 Resp: 598197

Ion Ratio Lower Upper

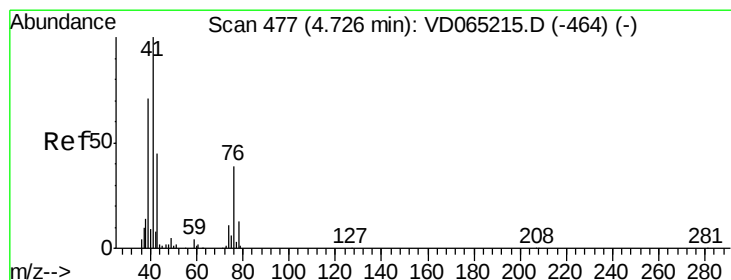
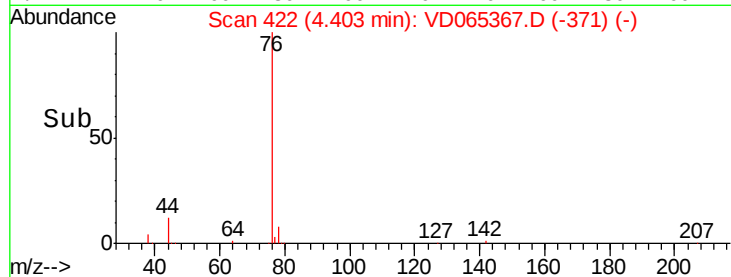
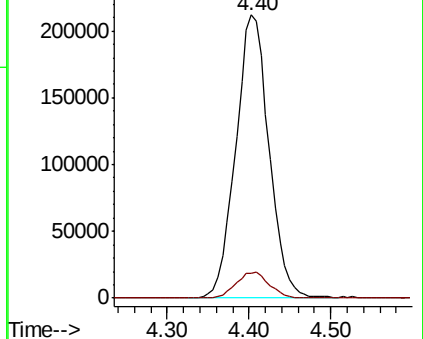
76 100

78 9.0 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: 58.932 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065367.D

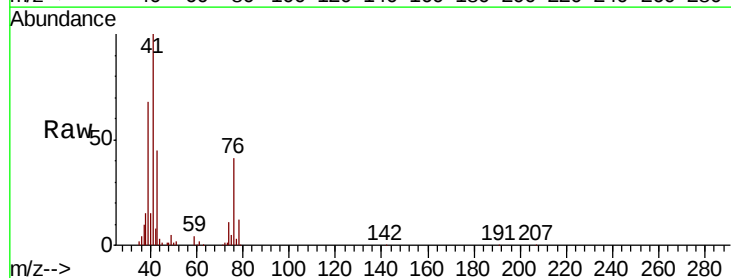
Acq: 28 Feb 2020 19:09

Tgt Ion: 43 Resp: 115587

Ion Ratio Lower Upper

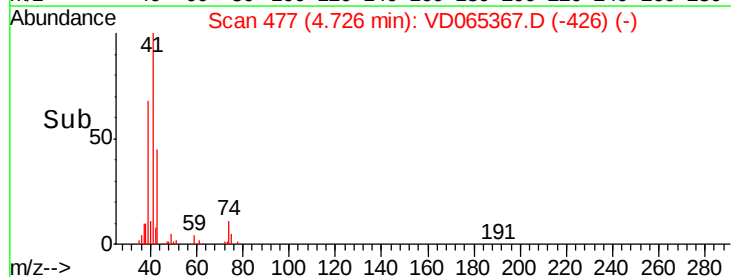
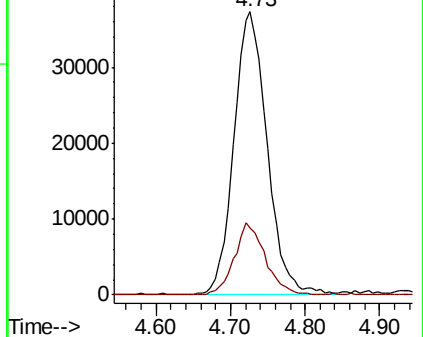
43 100

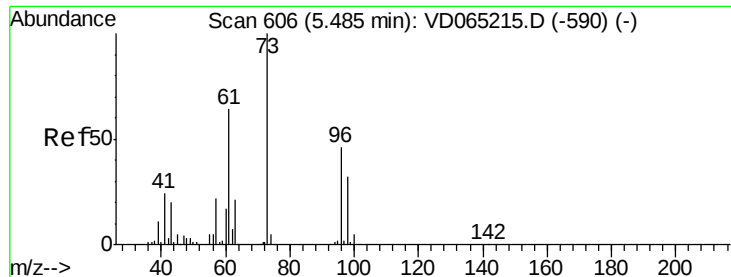
74 23.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

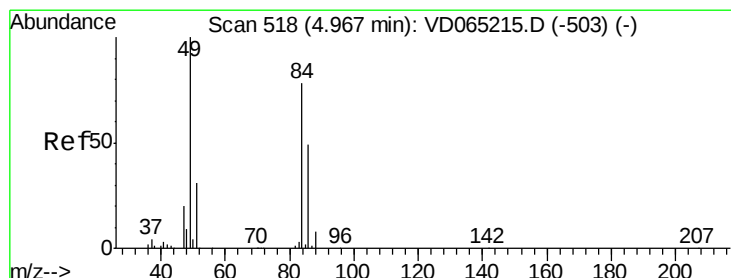
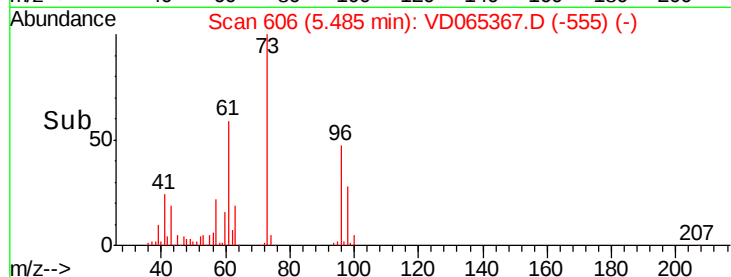
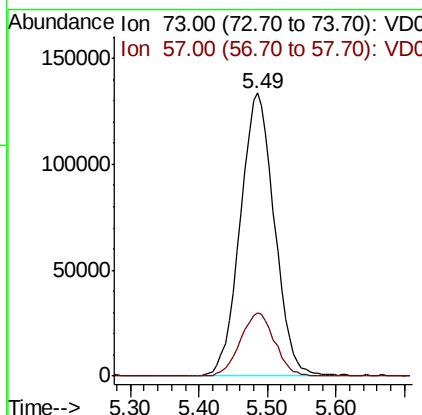
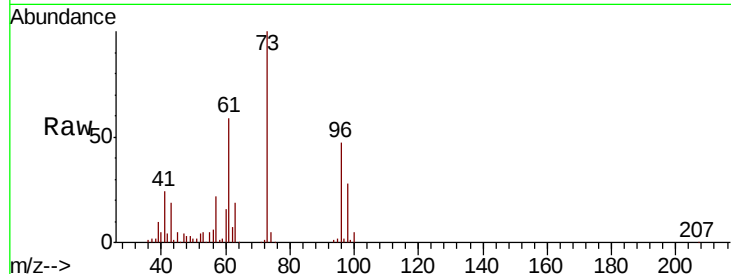




#19
Methvl tert-butvl Ether
Concen: 60.335 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

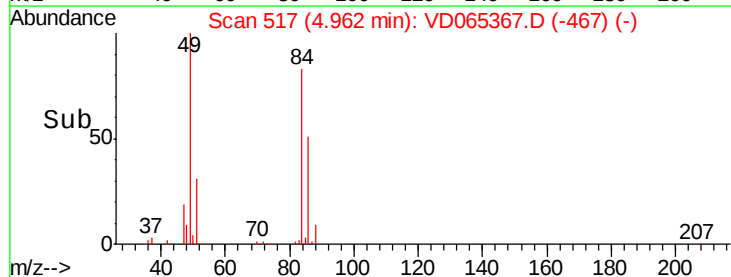
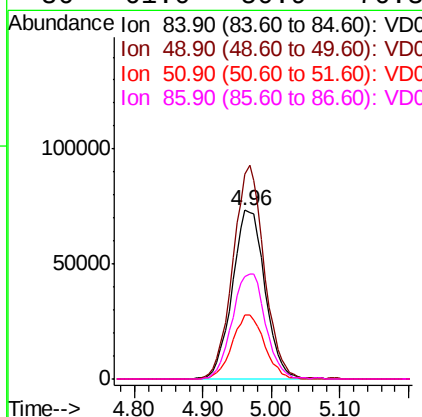
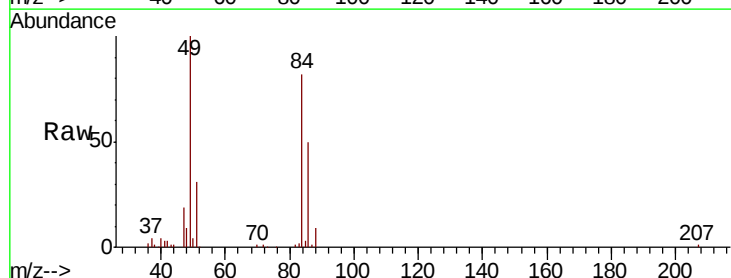
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

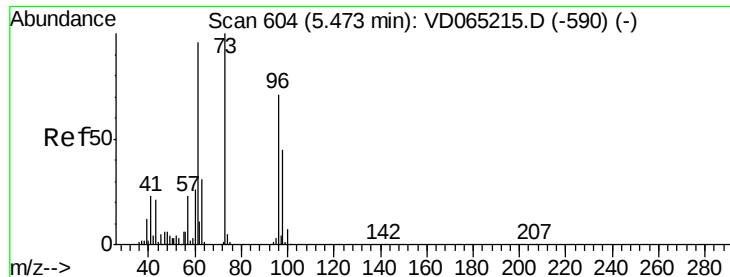
Tot Ion: 73 Resp: 462604
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 63.694 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 84 Resp: 242377
Ion Ratio Lower Upper
84 100
49 121.4 103.1 154.7
51 37.9 31.7 47.5
86 61.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 54.729 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

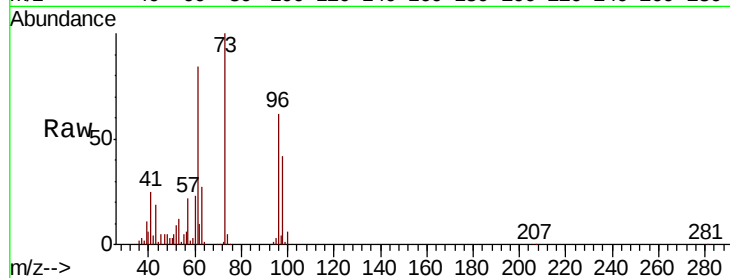
Tot Ion: 96 Resp: 228754

Ion Ratio Lower Upper

96 100

61 133.8 108.3 162.5

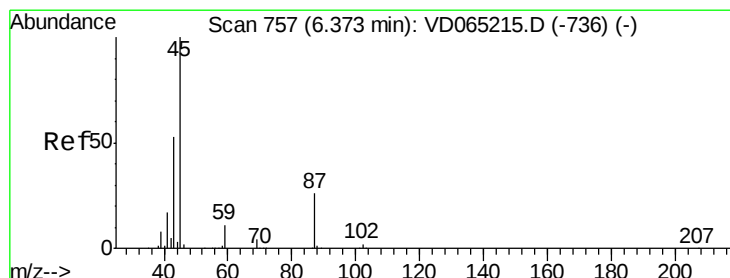
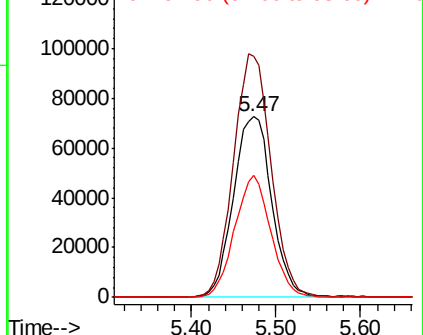
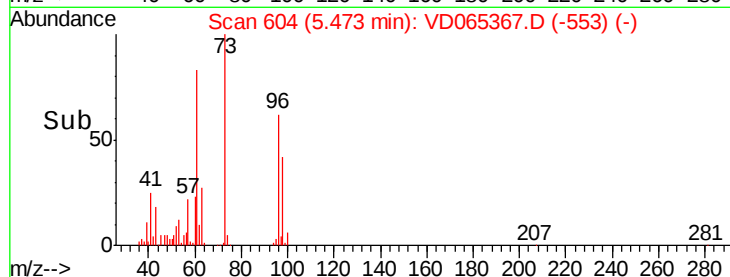
98 67.4 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 59.894 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion: 45 Resp: 689388

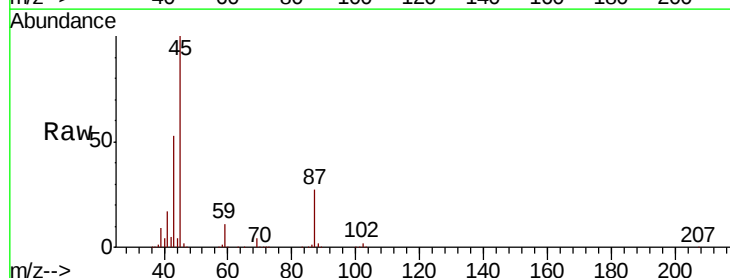
Ion Ratio Lower Upper

45 100

43 52.7 42.6 64.0

87 26.9 21.2 31.8

59 11.0 8.9 13.3

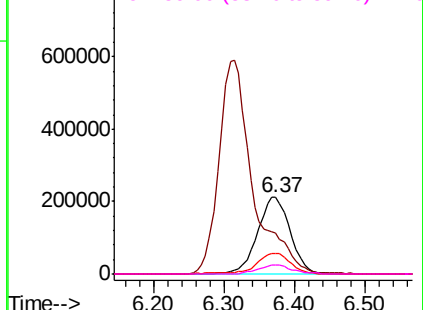
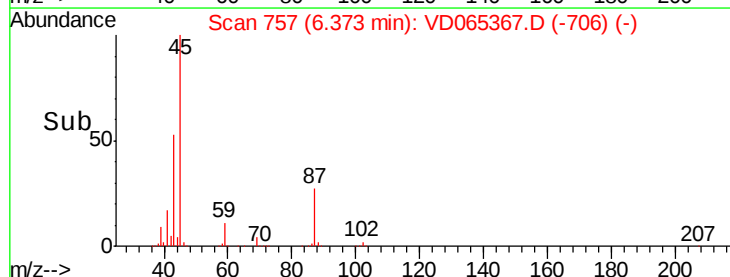


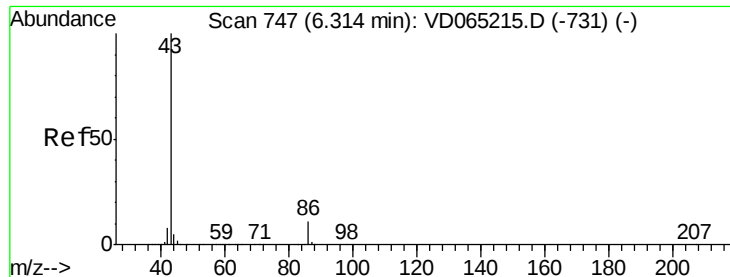
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 310.954 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

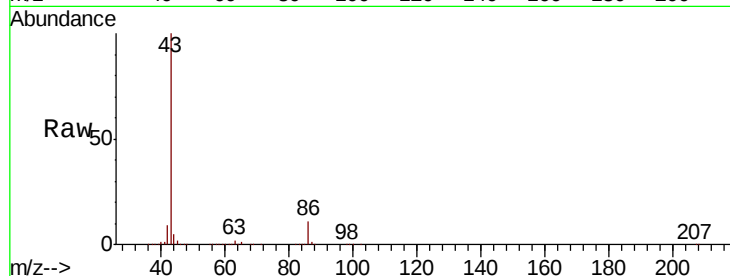
VSTDCCC050EC

Tot Ion: 43 Resp: 1973148

Ion Ratio Lower Upper

43 100

86 10.9 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

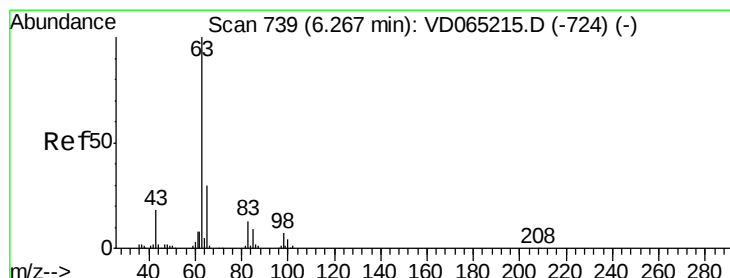
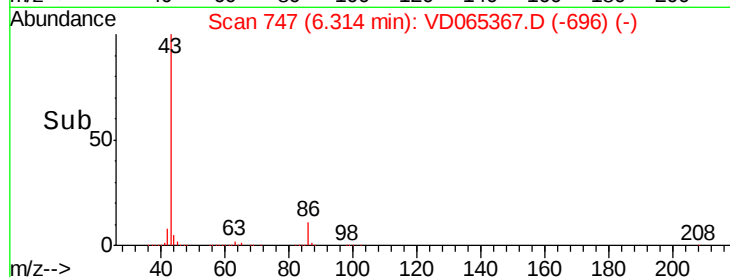
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 55.643 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

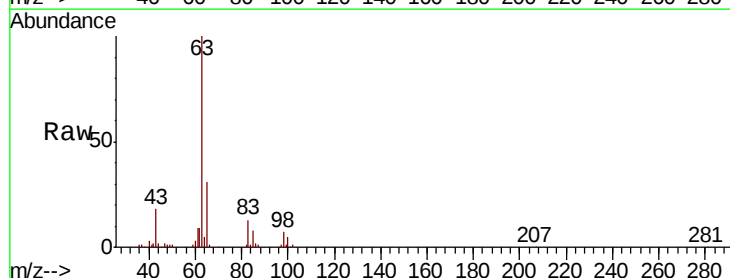
Tgt Ion: 63 Resp: 397254

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.9 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

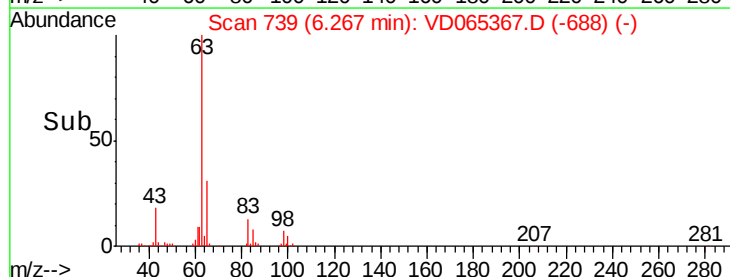
150000

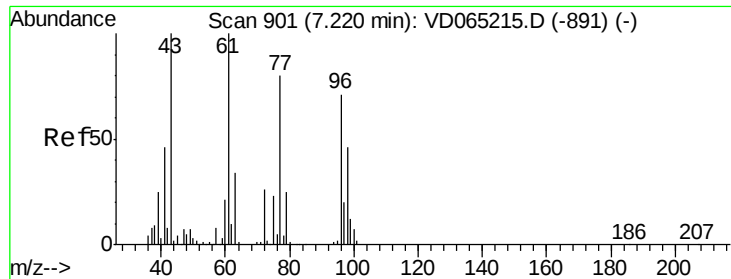
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 280.805 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

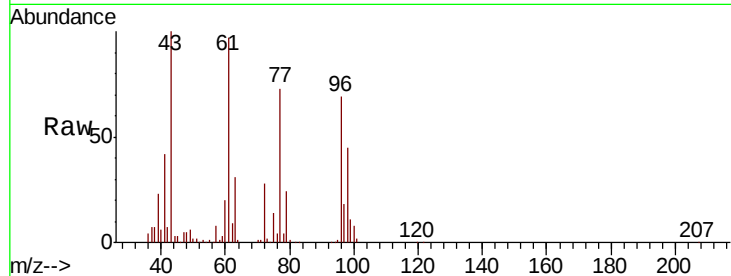
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 309830

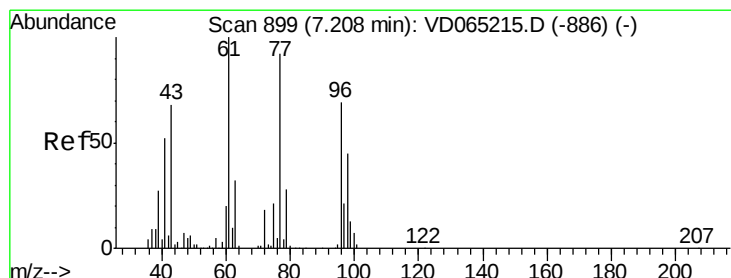
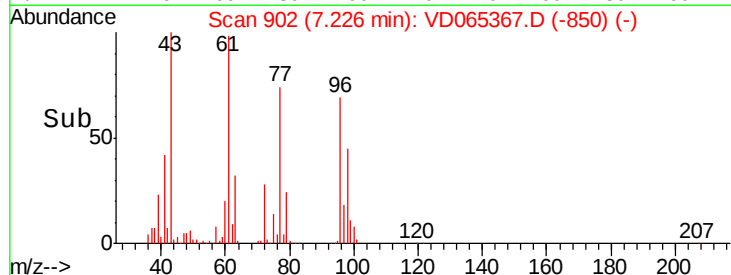
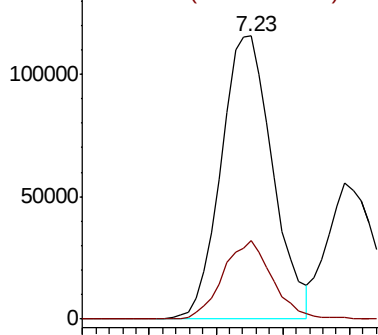
Ion Ratio Lower Upper

43 100

72 27.6 20.9 31.3



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



#26

2,2-Dichloropropane

Concen: 52.546 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065367.D

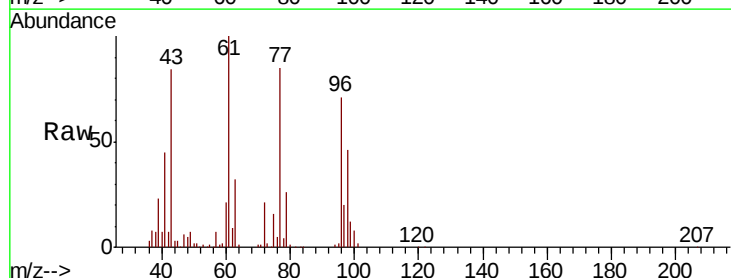
Acq: 28 Feb 2020 19:09

Tgt Ion: 77 Resp: 325482

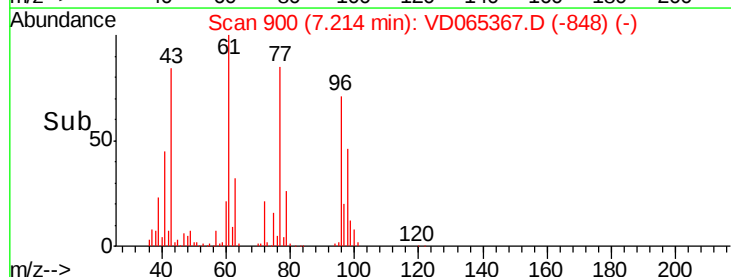
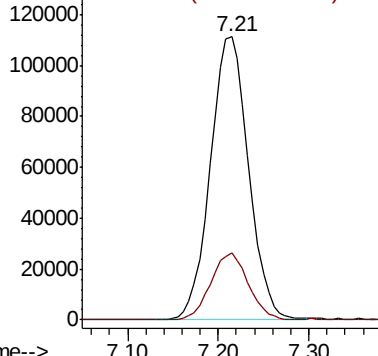
Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1



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



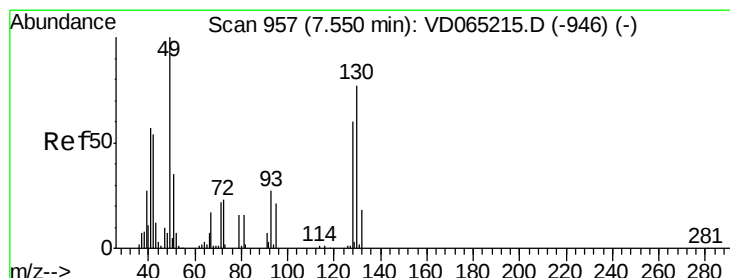
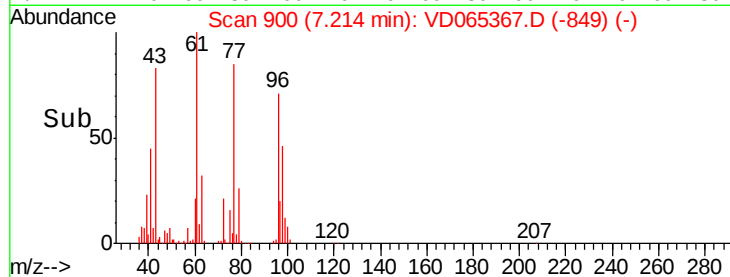
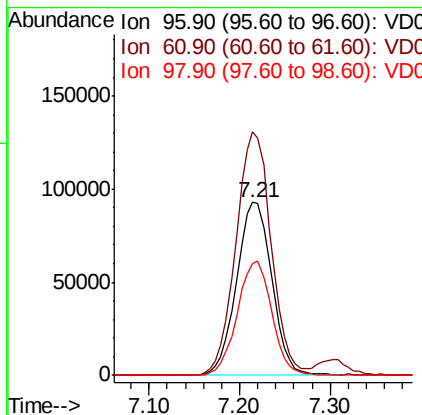
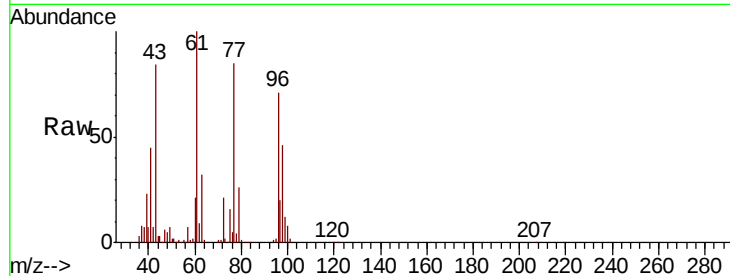


#27

cis-1,2-Dichloroethene
 Concen: 56.917 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

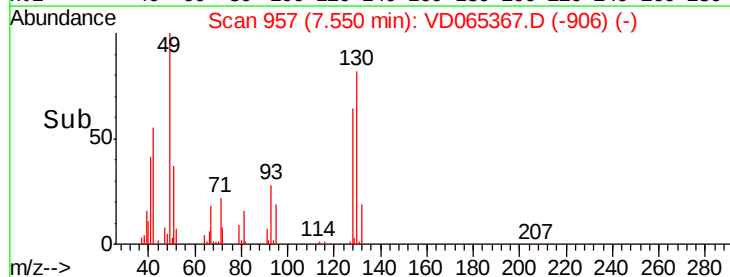
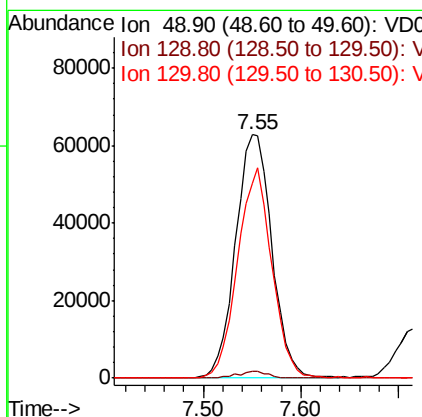
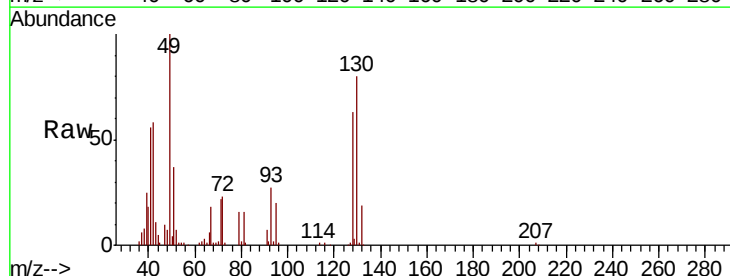
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	286.0
98	64.2	0.0	127.8

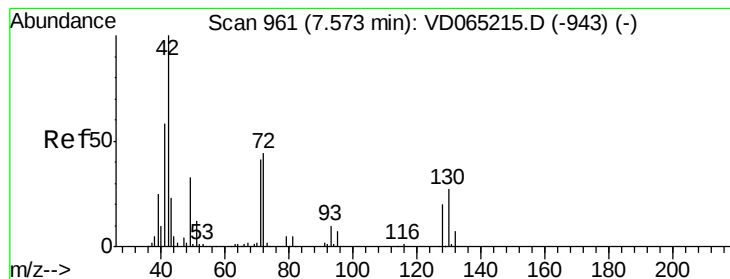


#28

Bromochloromethane
 Concen: 61.690 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	81.4	64.7	97.1





#29

Tetrahydrofuran

Concen: 308.570 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

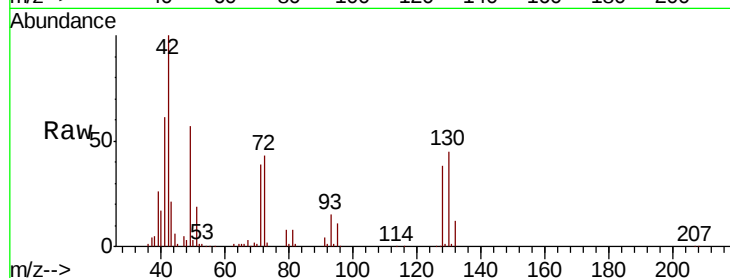
Tot Ion: 42 Resp: 199486

Ion Ratio Lower Upper

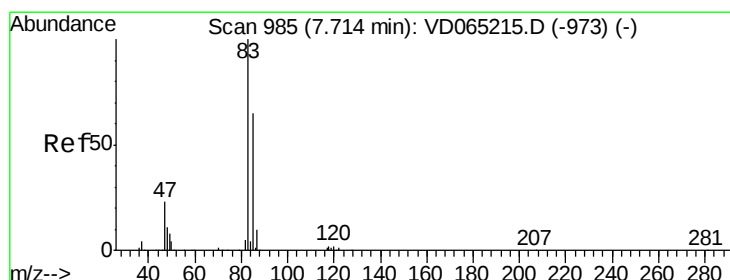
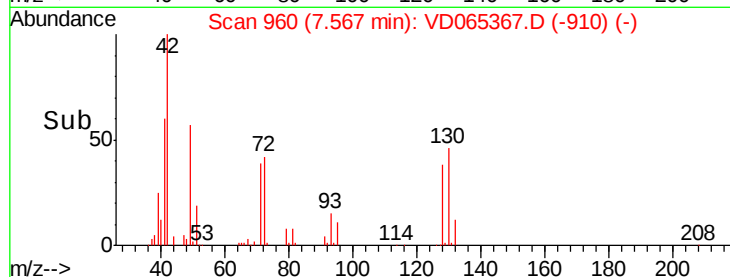
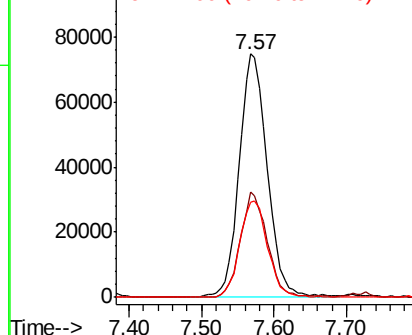
42 100

72 41.6 33.7 50.5

71 39.6 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: 56.059 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065367.D

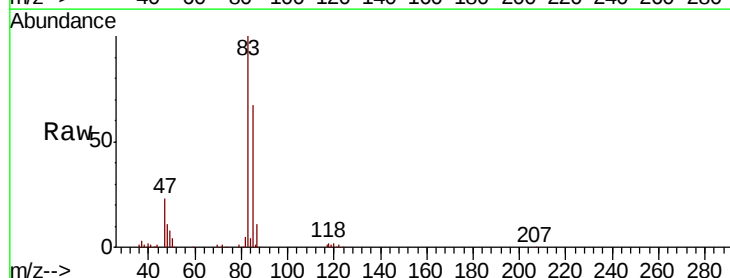
Acq: 28 Feb 2020 19:09

Tgt Ion: 83 Resp: 403209

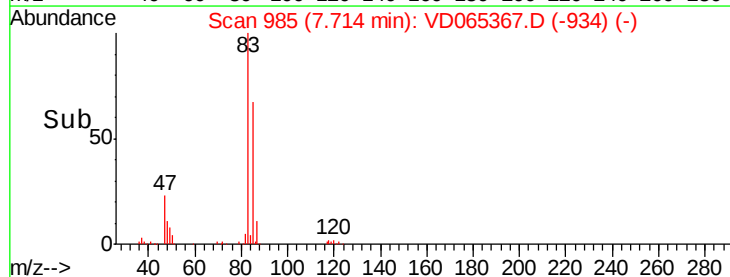
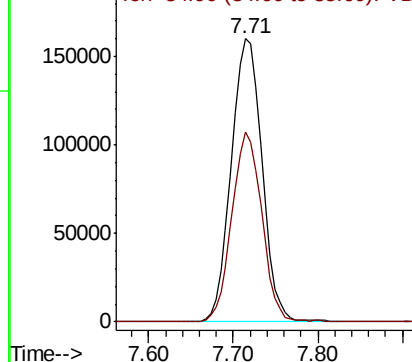
Ion Ratio Lower Upper

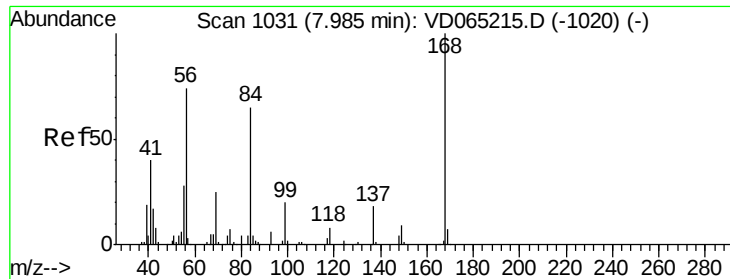
83 100

85 67.3 52.3 78.5



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

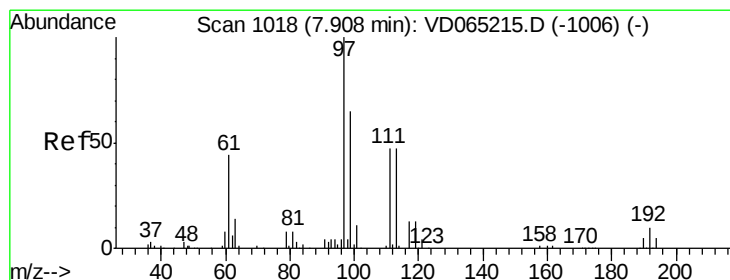
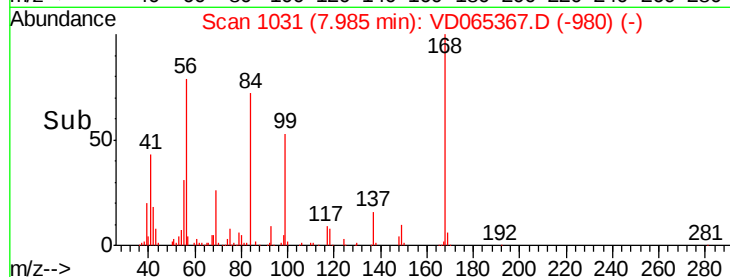
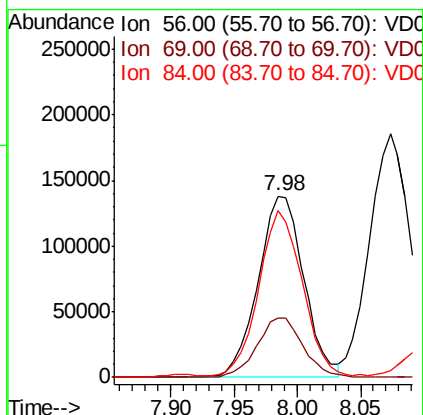
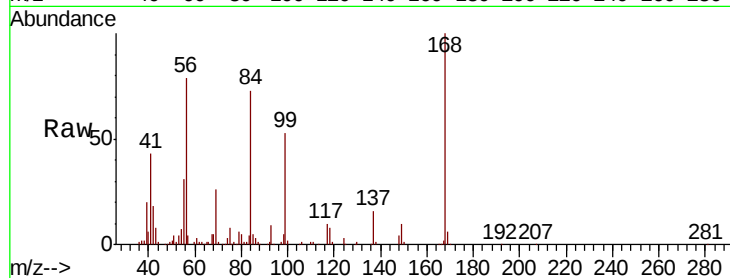




#31
Cyclohexane
Concen: 49.178 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

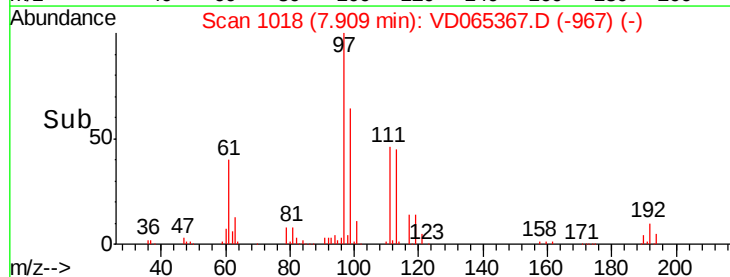
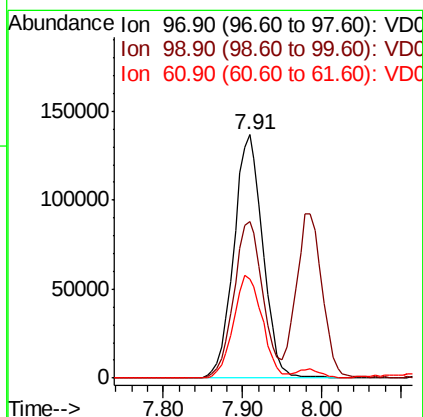
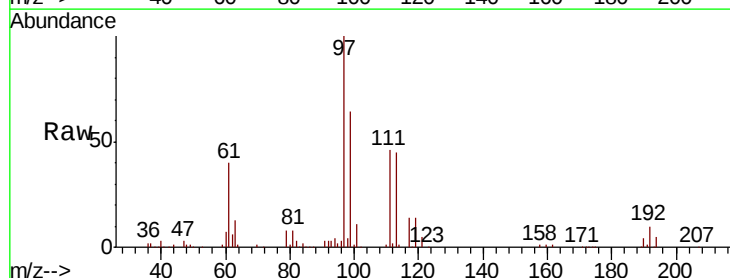
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 344962
Ion Ratio Lower Upper
56 100
69 32.9 27.4 41.0
84 90.7 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 53.769 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 97 Resp: 346023
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.2
61 42.0 34.8 52.2

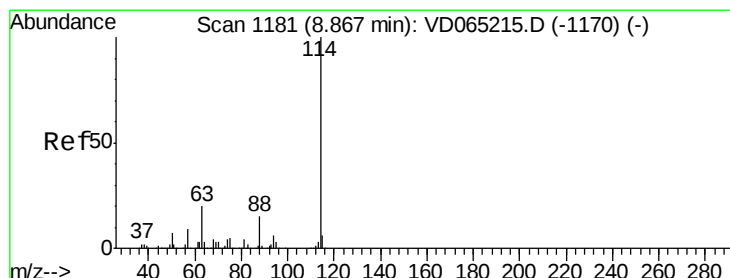
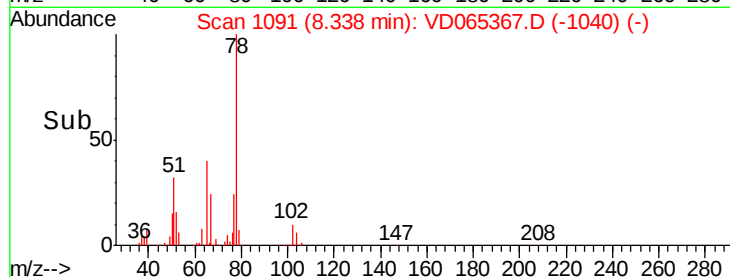
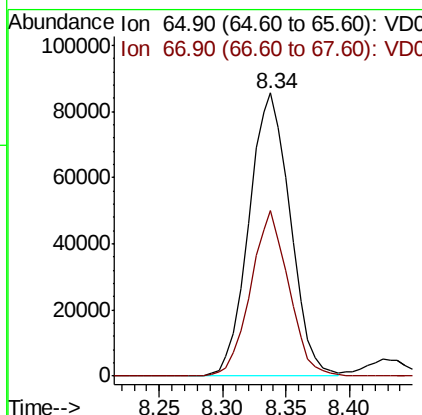
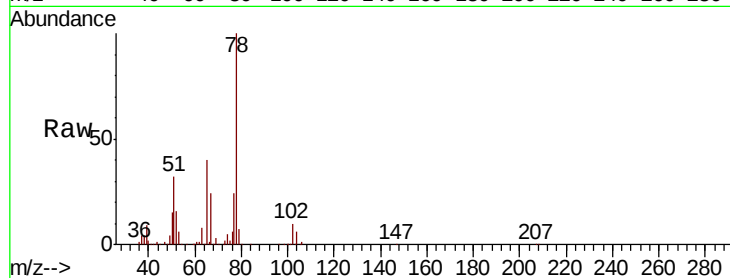




#33
 1,2-Dichloroethane-d4
 Concen: 54.304 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

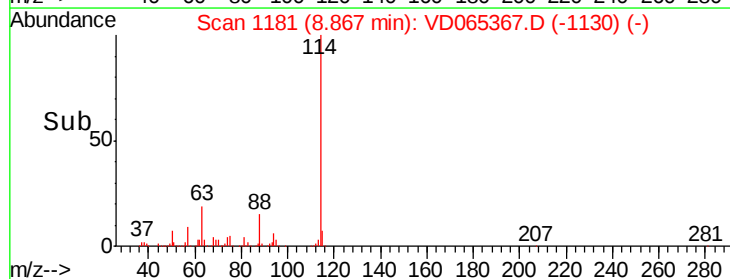
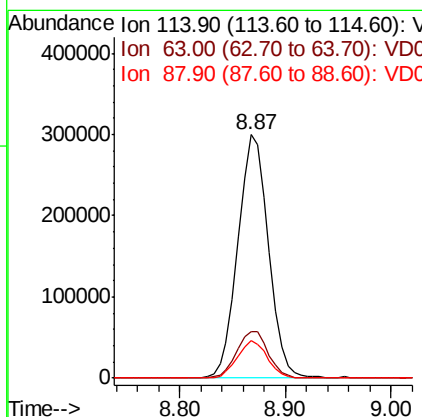
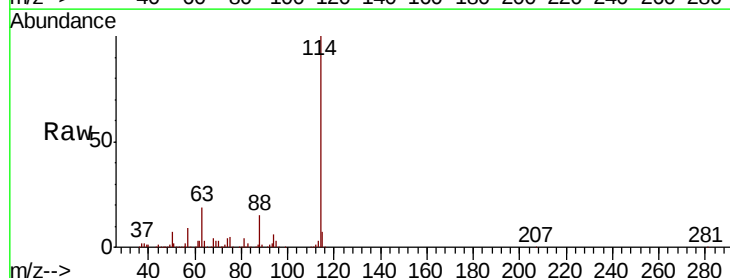
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

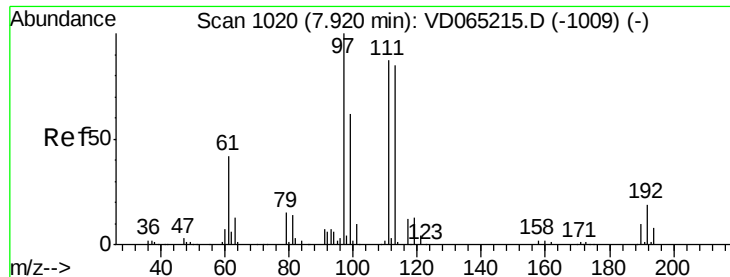
Tot Ion: 65 Resp: 193732
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion: 114 Resp: 601498
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 15.2 0.0 30.4

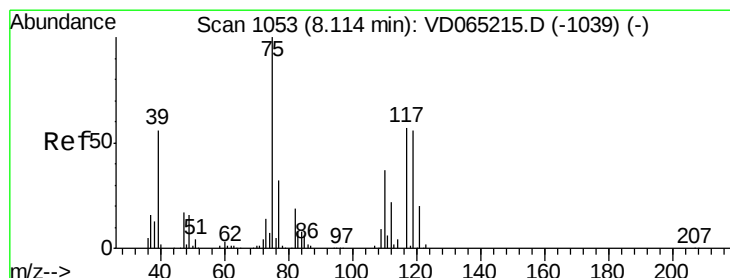
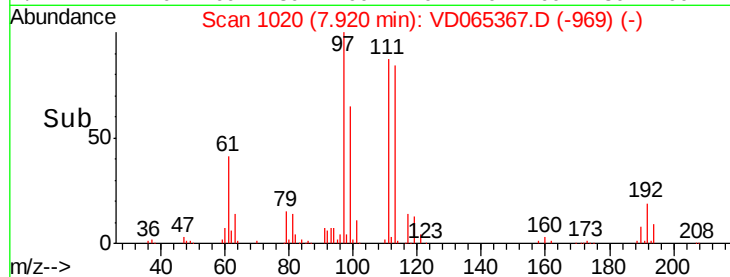
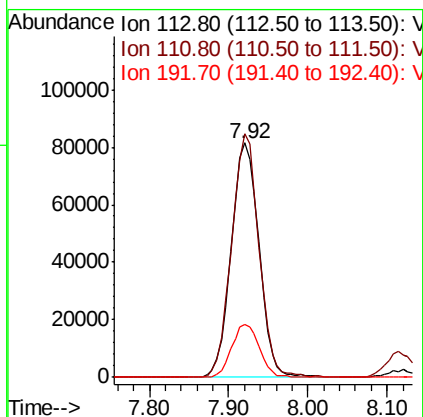
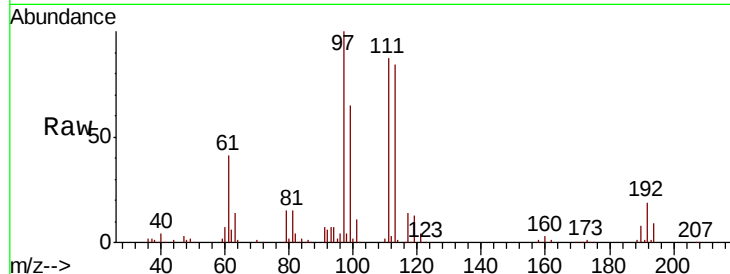




#35
 Dibromofluoromethane
 Concen: 54.072 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

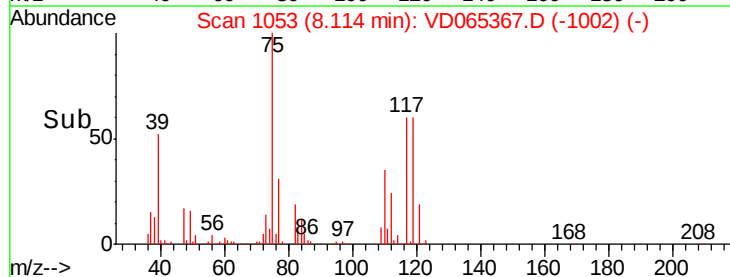
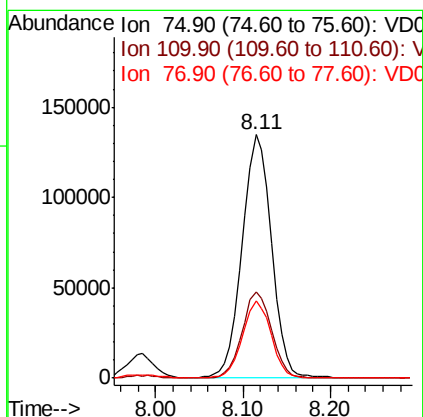
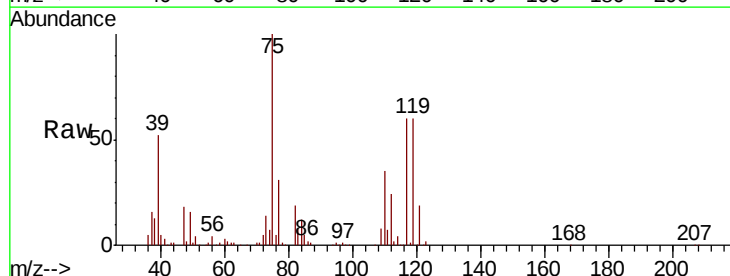
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

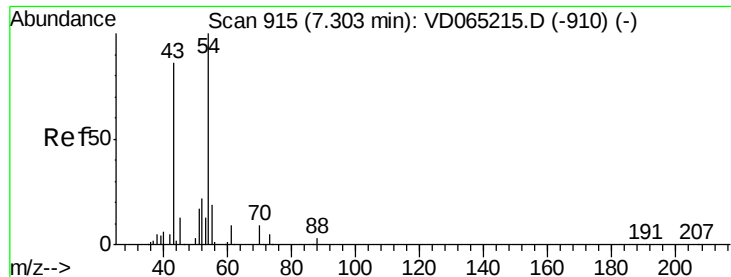
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	22.4	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 52.134 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.7
77	31.3	25.1	37.7





#37

Ethyl Acetate

Concen: 56.412 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

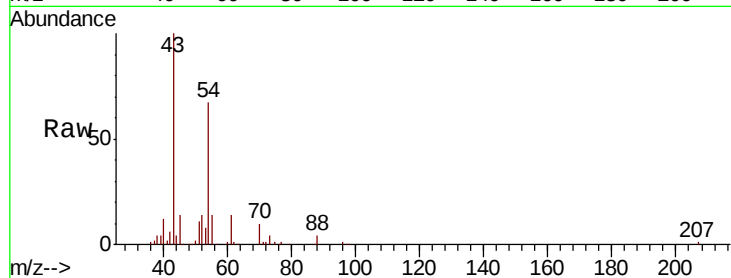
Tot Ion: 43 Resp: 138020

Ion Ratio Lower Upper

43 100

61 15.3 11.2 16.8

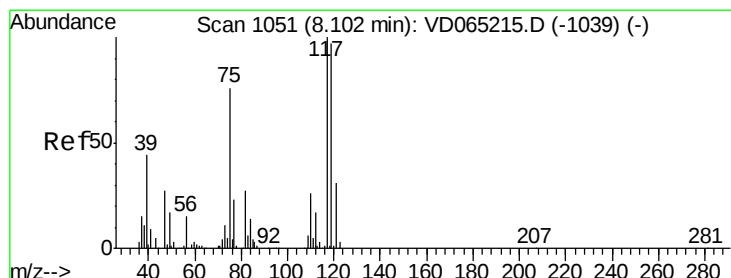
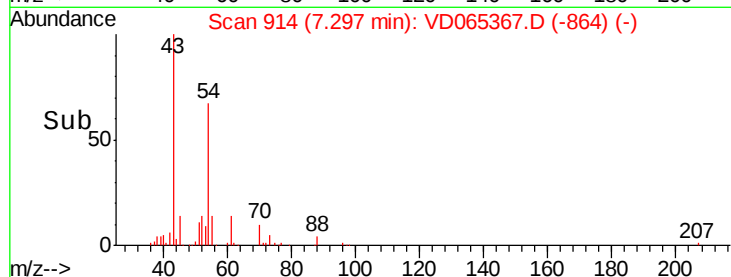
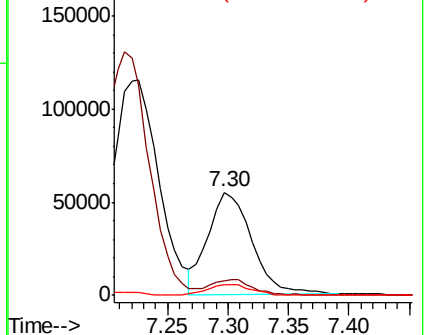
70 10.7 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 51.760 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

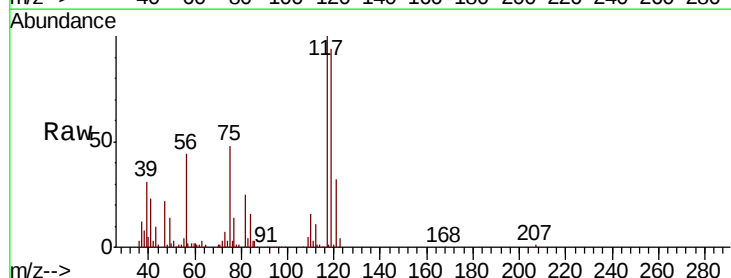
Tgt Ion: 117 Resp: 308380

Ion Ratio Lower Upper

117 100

119 93.6 77.6 116.4

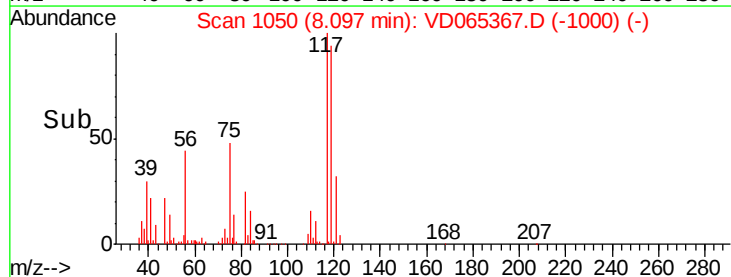
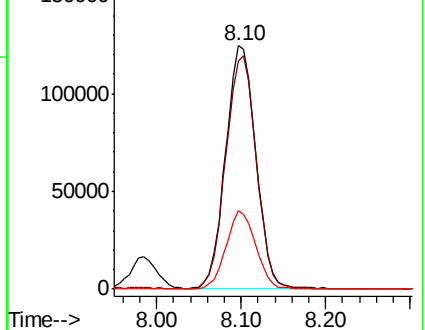
121 32.3 24.8 37.2

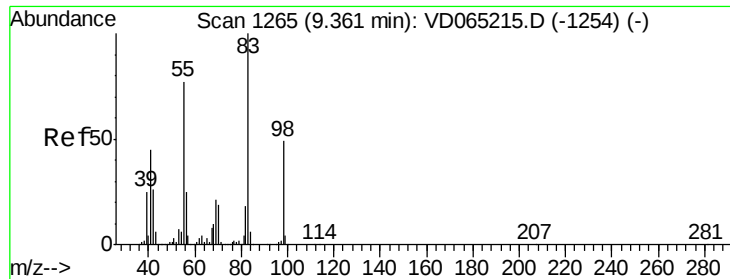


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

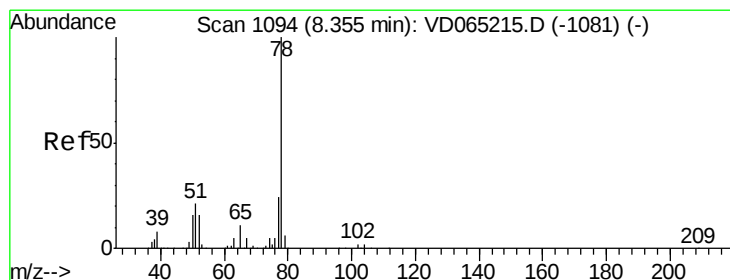
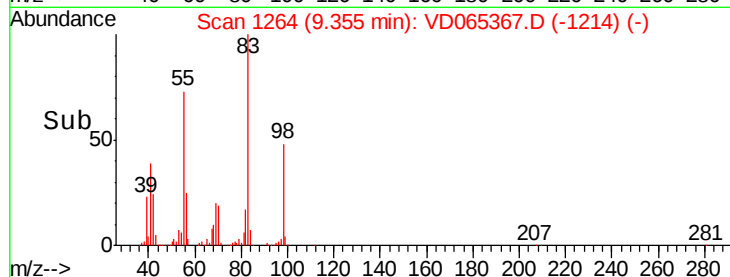
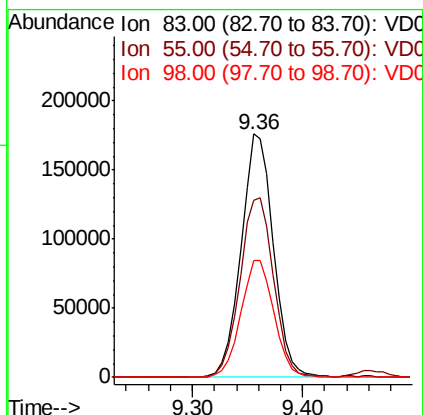
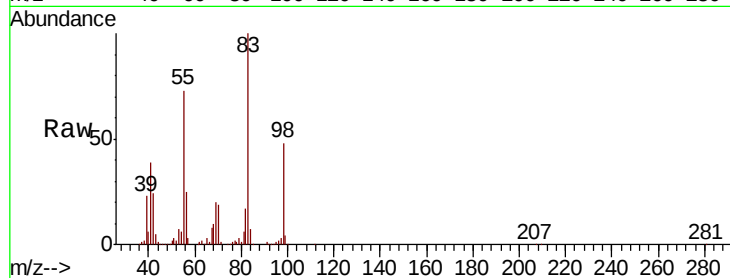




#39
Methvlcvclohexane
Concen: 52.614 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

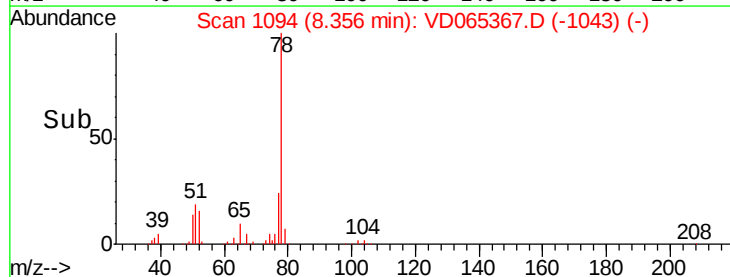
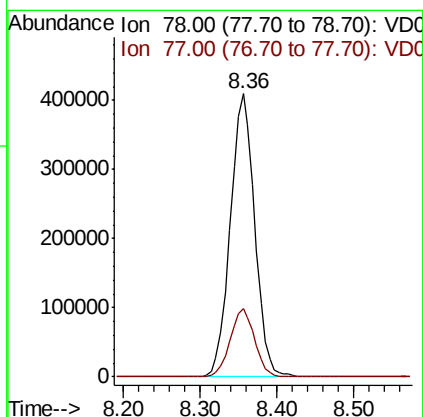
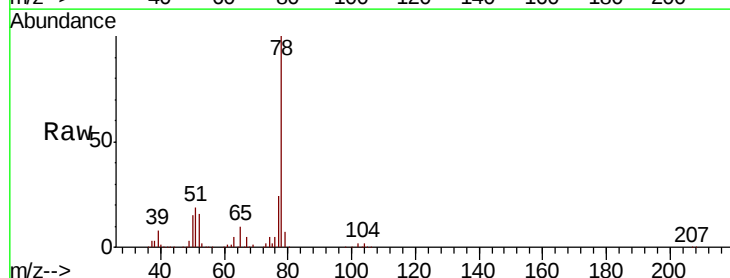
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

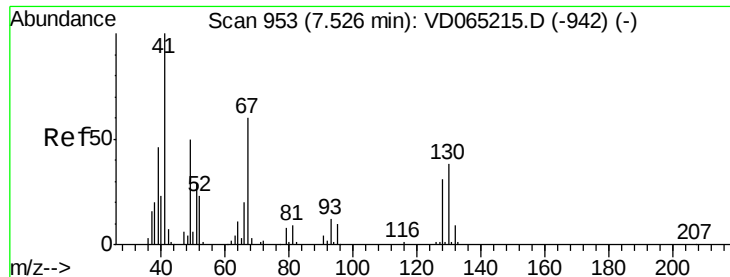
Tot Ion: 83 Resp: 362010
Ion Ratio Lower Upper
83 100
55 72.5 61.8 92.6
98 48.2 39.4 59.0



#40
Benzene
Concen: 54.932 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 78 Resp: 907456
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

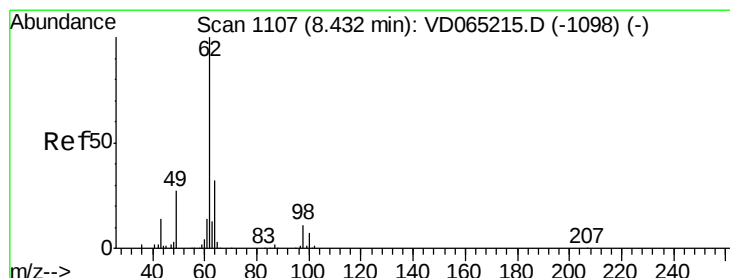
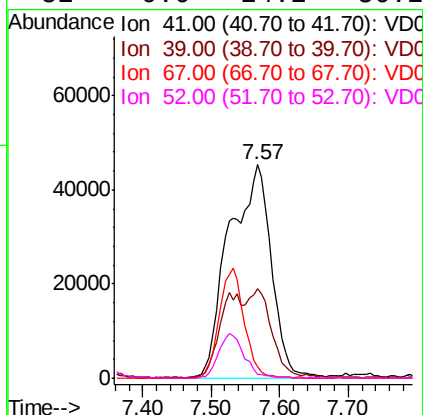
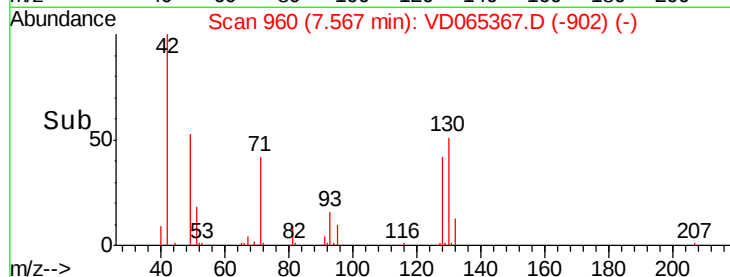
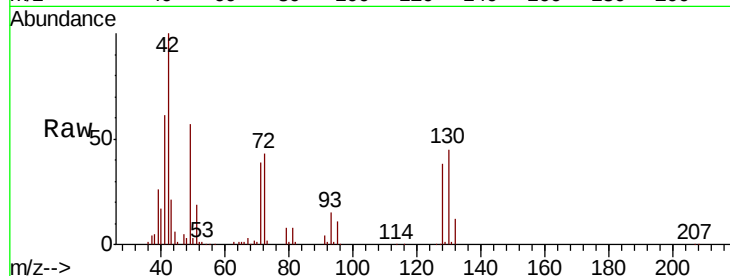




#41
Methacrylonitrile
Concen: 137.357 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

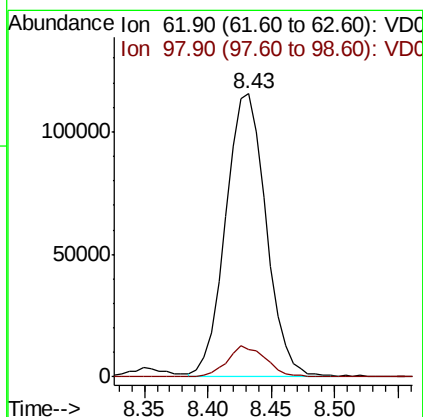
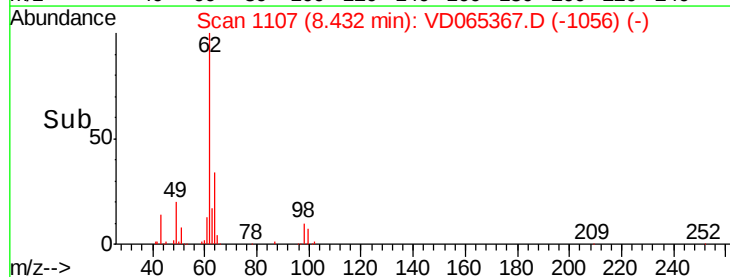
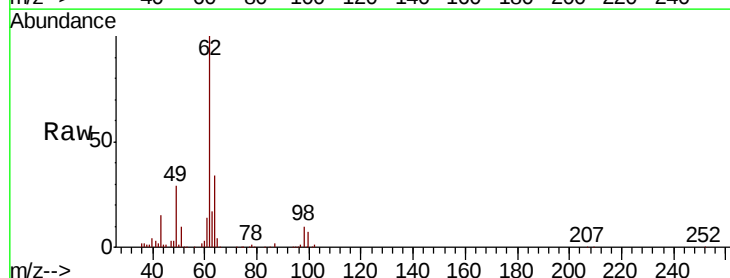
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

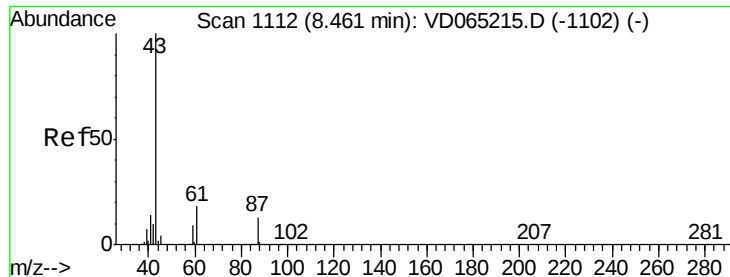
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	0.0	58.9	88.3#
52	0.0	24.2	36.2#



#42
1,2-Dichloroethane
Concen: 55.972 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 58.039 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

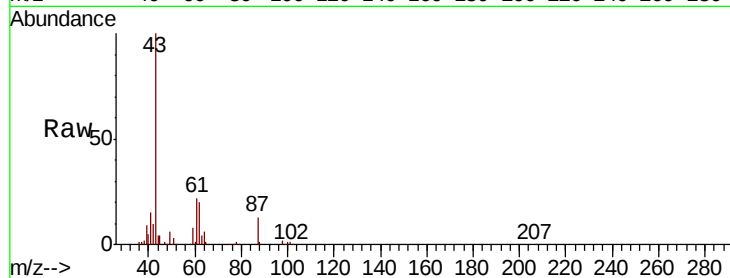
Tot Ion: 43 Resp: 258228

Ion Ratio Lower Upper

43 100

61 31.3 24.6 36.8

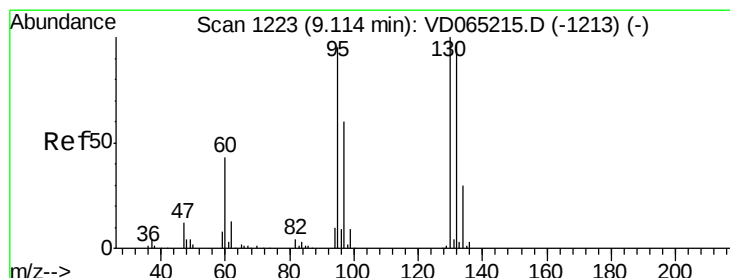
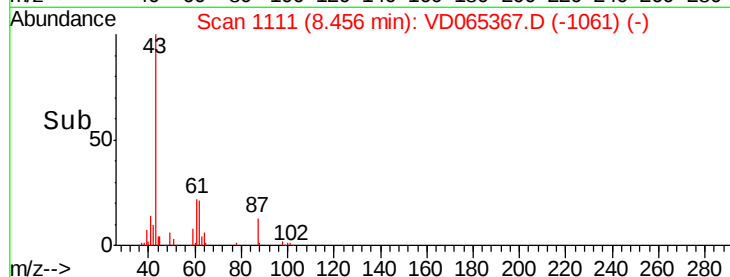
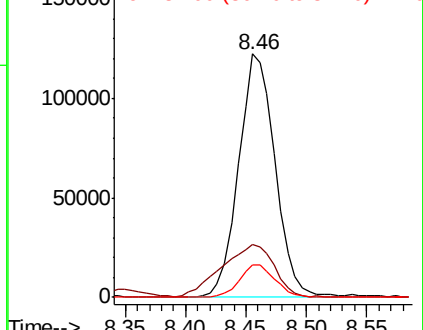
87 13.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.200 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065367.D

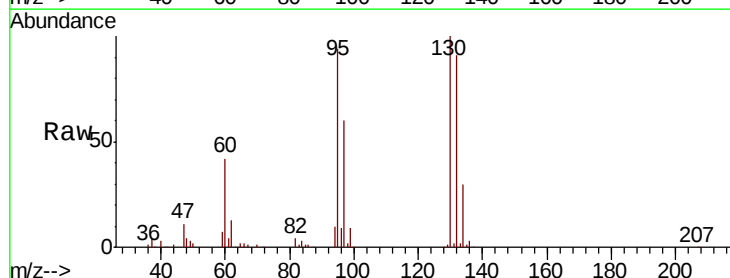
Acq: 28 Feb 2020 19:09

Tgt Ion: 130 Resp: 248190

Ion Ratio Lower Upper

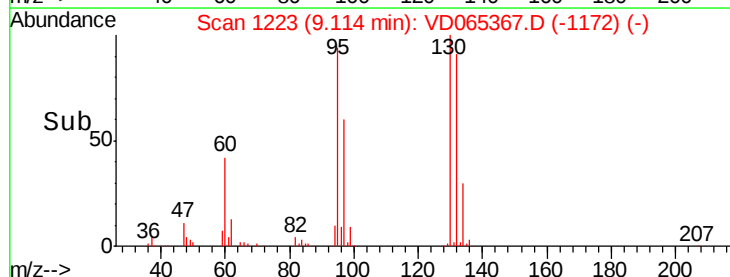
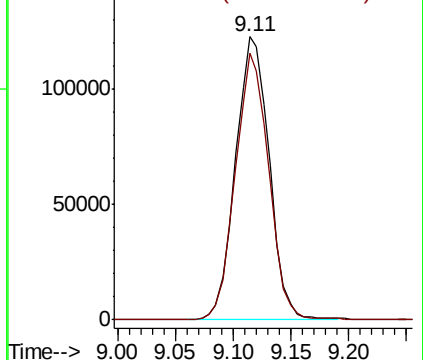
130 100

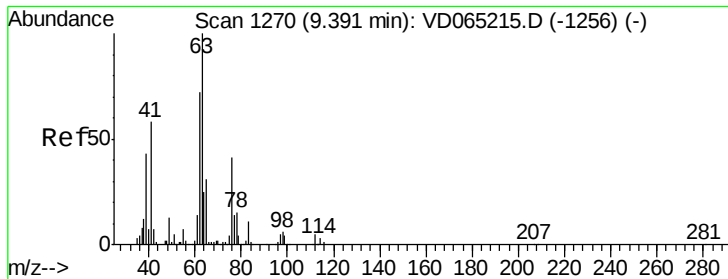
95 94.1 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 57.051 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

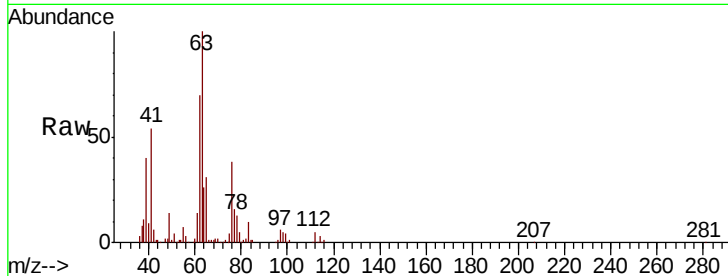
VSTDCCC050EC

Tot Ion: 63 Resp: 234349

Ion Ratio Lower Upper

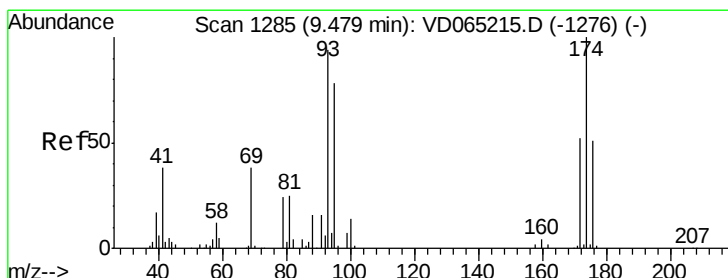
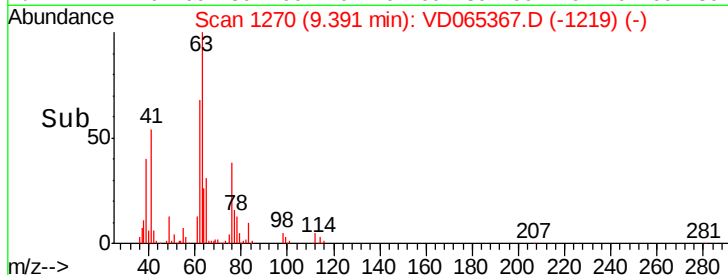
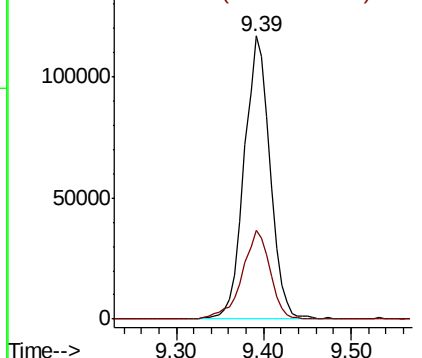
63 100

65 31.5 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 58.550 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

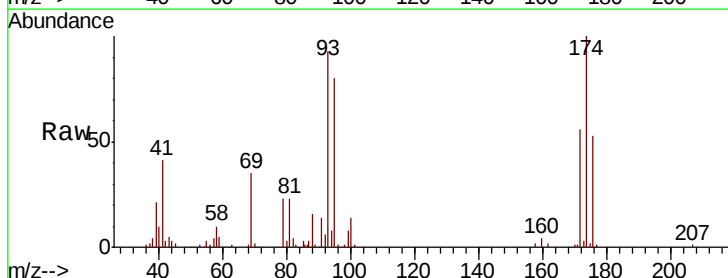
Tgt Ion: 93 Resp: 123746

Ion Ratio Lower Upper

93 100

95 84.7 65.8 98.6

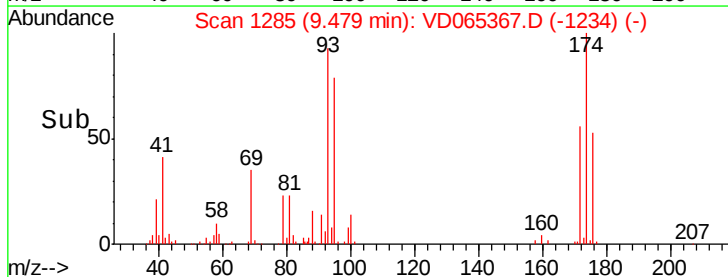
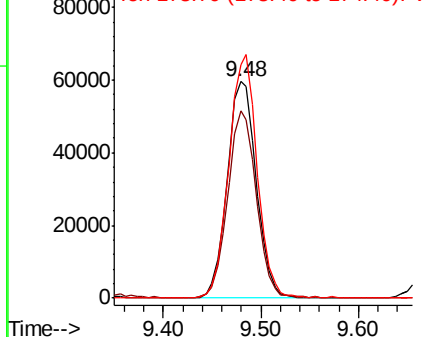
174 108.9 86.8 130.2

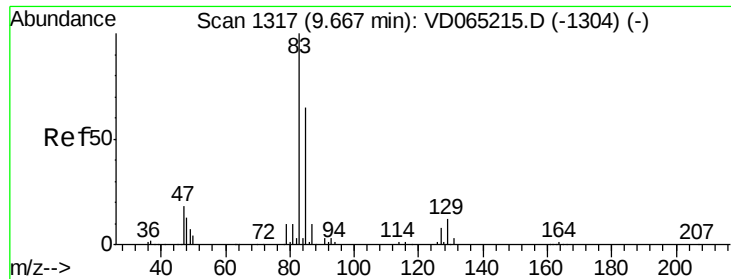


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 56.824 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

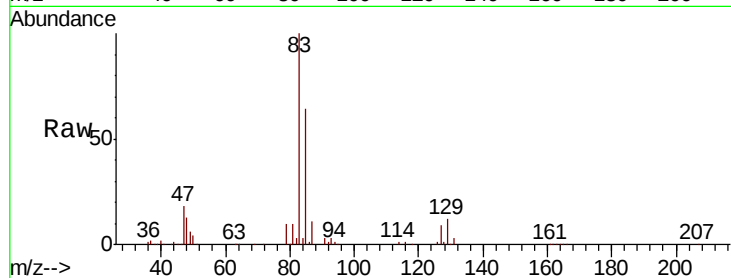
Tot Ion: 83 Resp: 316499

Ion Ratio Lower Upper

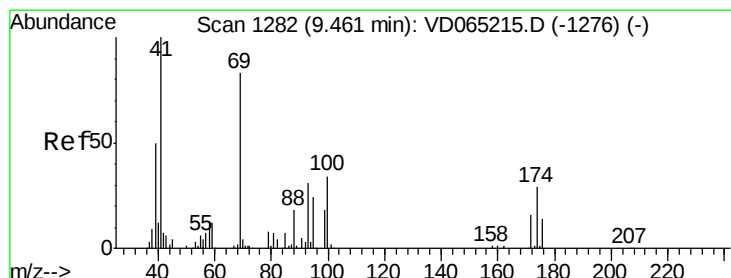
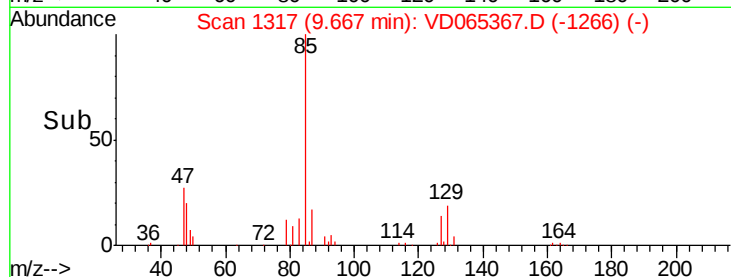
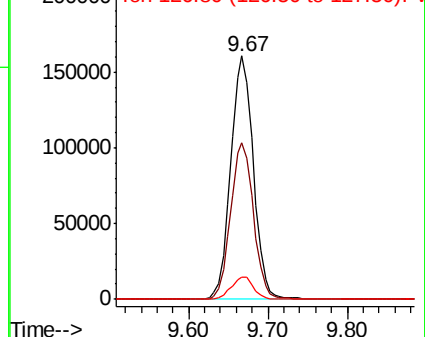
83 100

85 64.4 52.0 78.0

127 9.1 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: 59.413 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

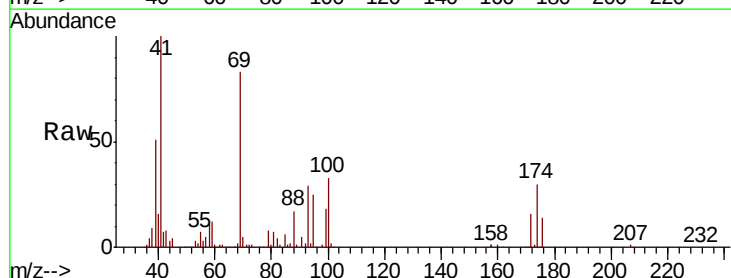
Tgt Ion: 41 Resp: 122186

Ion Ratio Lower Upper

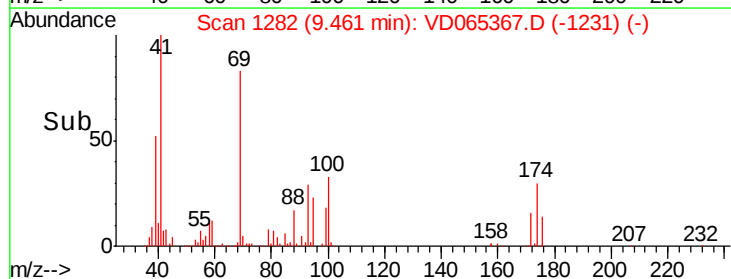
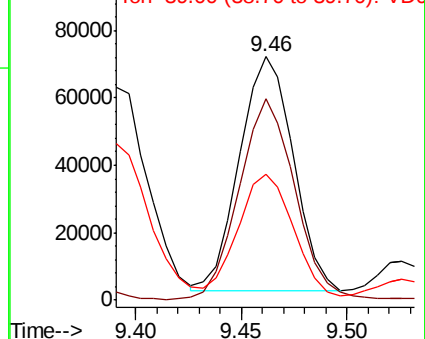
41 100

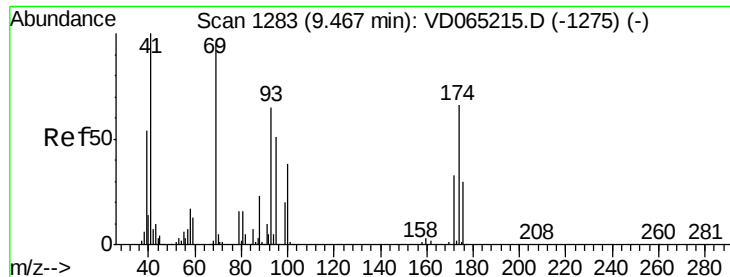
69 90.3 68.2 102.2

39 52.2 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

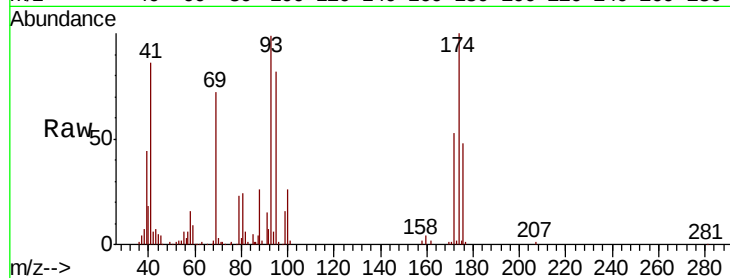




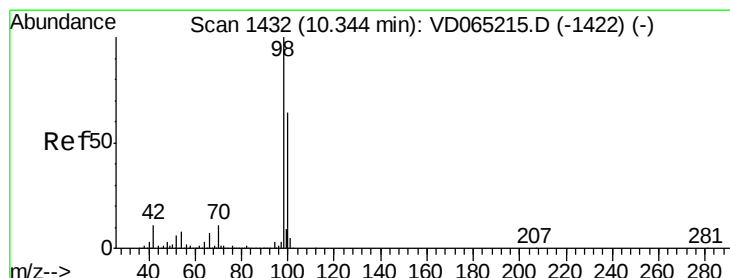
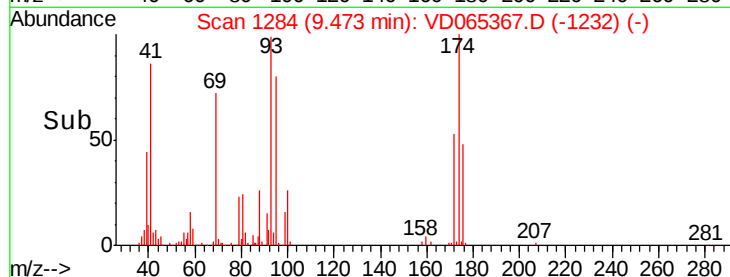
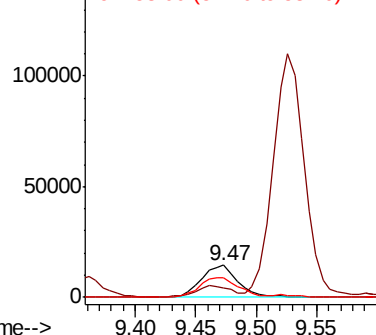
#49
1,4-Dioxane
Concen: 1226.308 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 30398
Ion Ratio Lower Upper
88 100
43 36.7 28.5 42.7
58 65.9 58.6 87.8

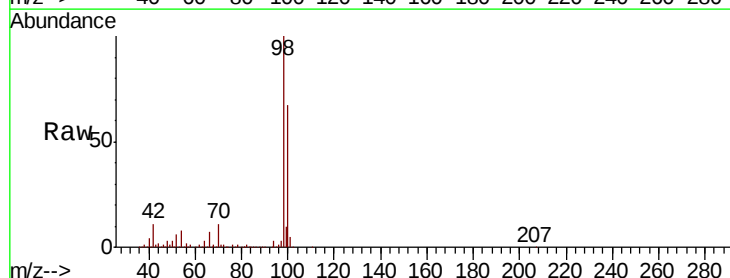


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

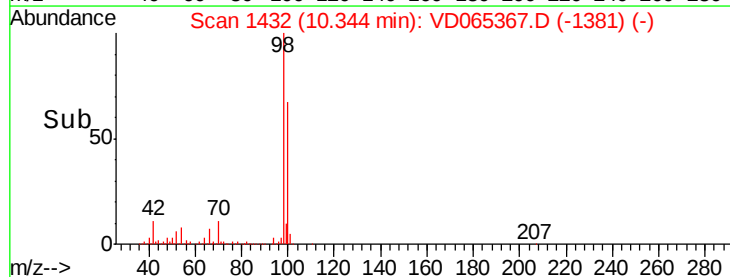
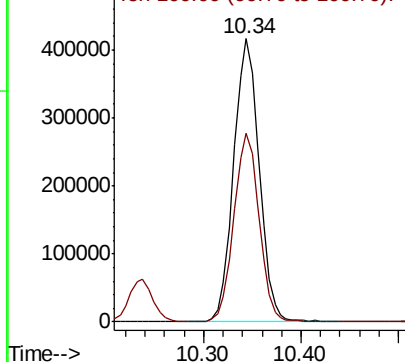


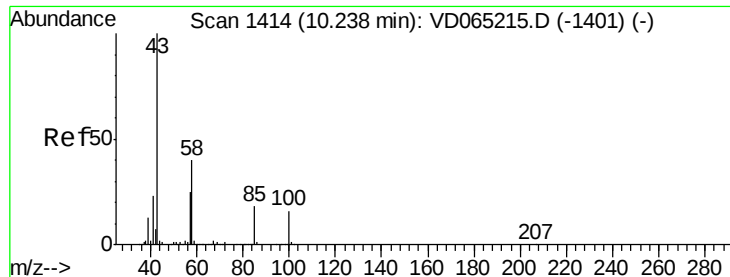
#50
Toluene-d8
Concen: 53.811 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 98 Resp: 754478
Ion Ratio Lower Upper
98 100
100 66.4 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: 305.121 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

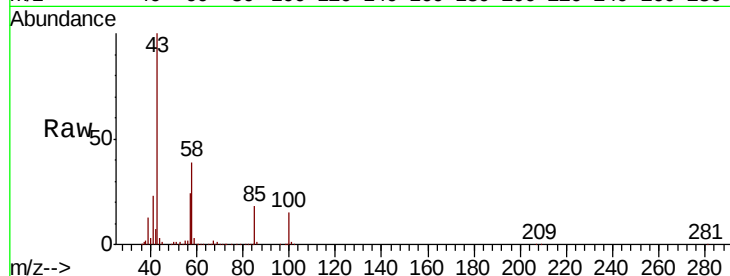
VSTDCCC050EC

Tot Ion: 43 Resp: 689511

Ion Ratio Lower Upper

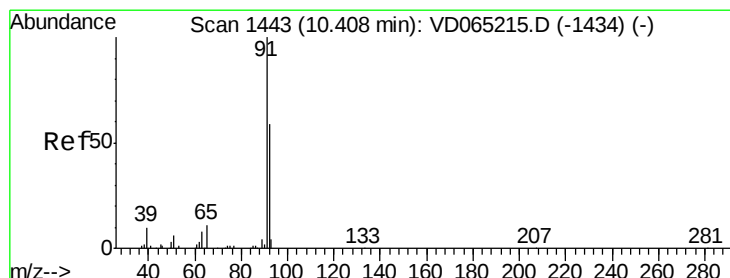
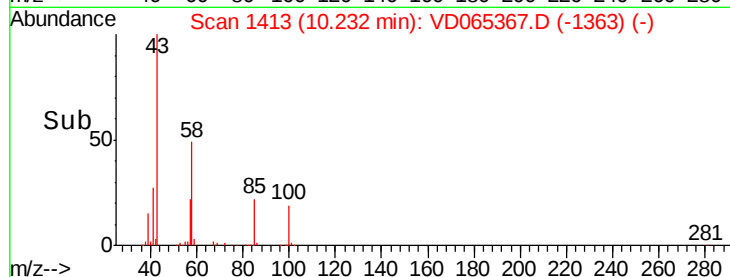
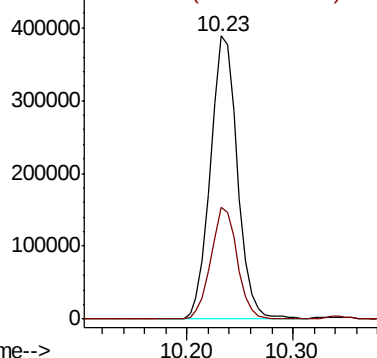
43 100

58 38.9 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 56.816 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065367.D

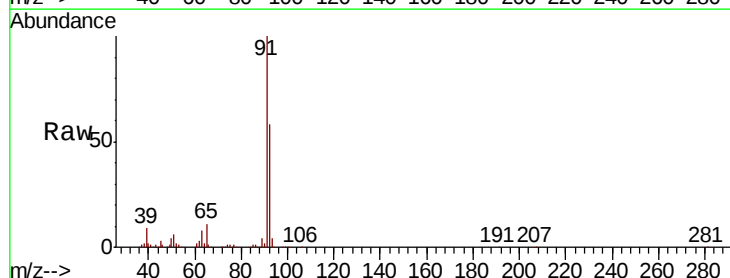
Acq: 28 Feb 2020 19:09

Tgt Ion: 92 Resp: 580958

Ion Ratio Lower Upper

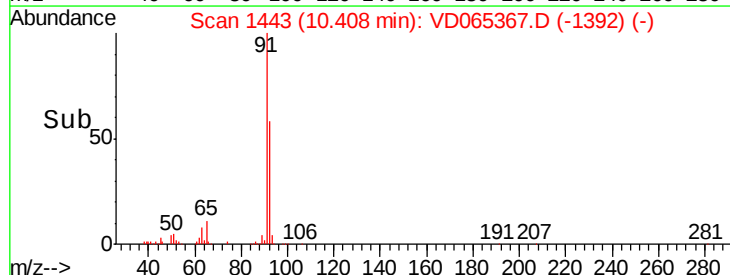
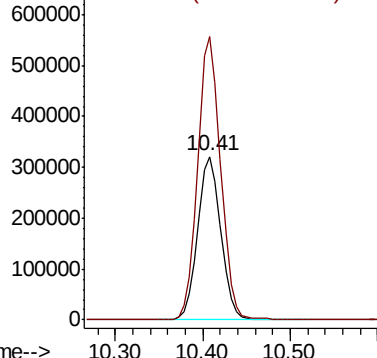
92 100

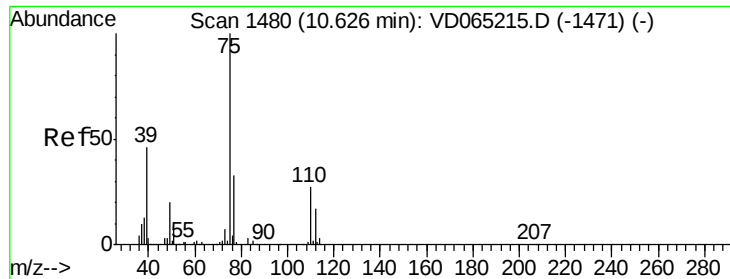
91 172.1 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 58.979 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

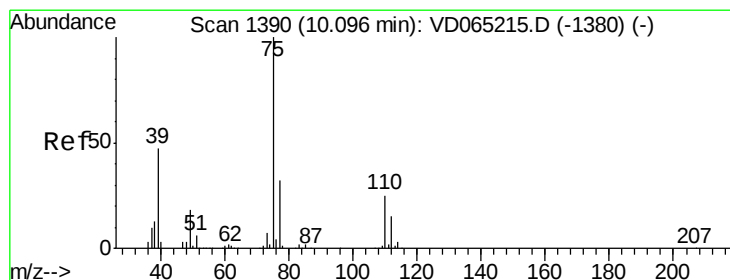
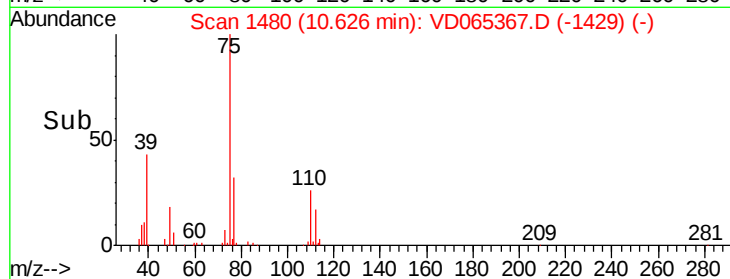
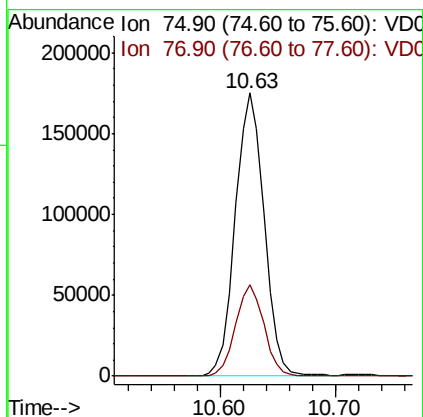
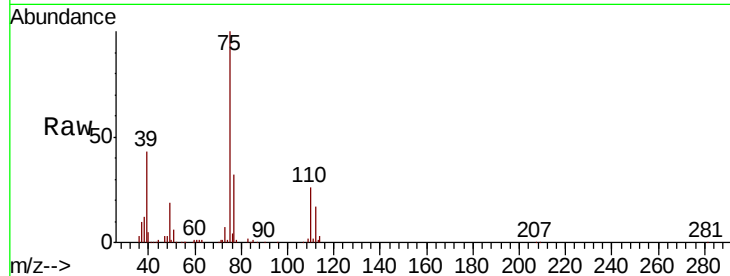
VSTDCCC050EC

Tot Ion: 75 Resp: 304491

Ion Ratio Lower Upper

75 100

77 32.5 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 58.582 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

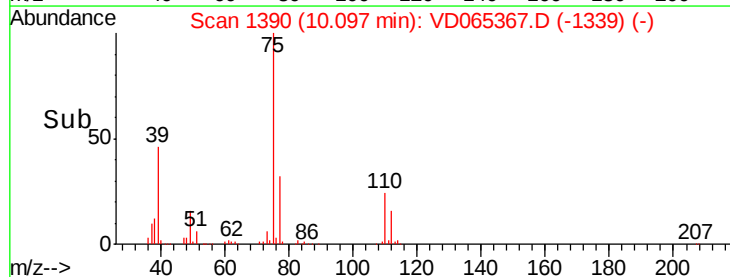
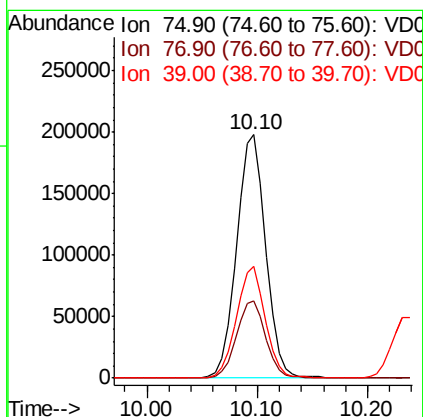
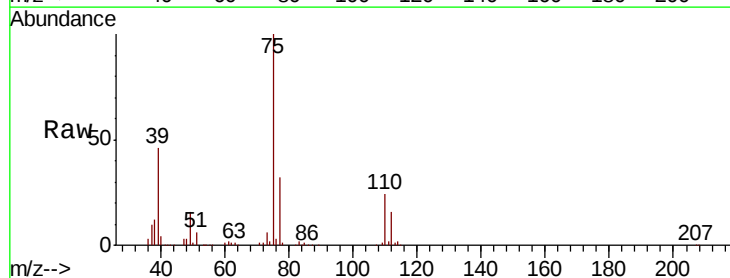
Tgt Ion: 75 Resp: 365213

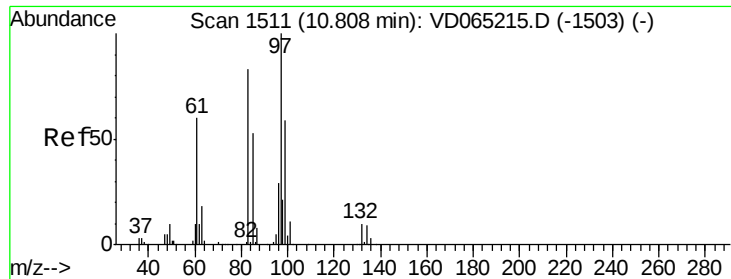
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 45.9 37.3 55.9

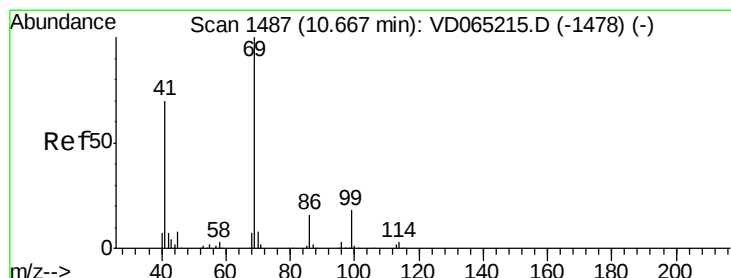
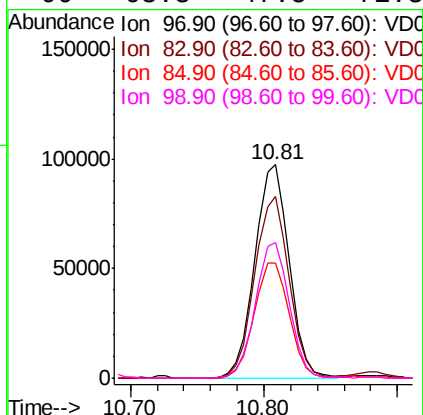
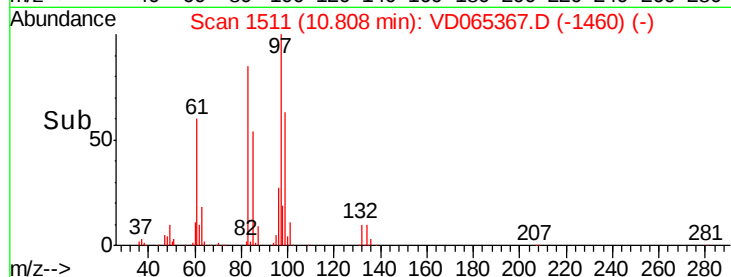
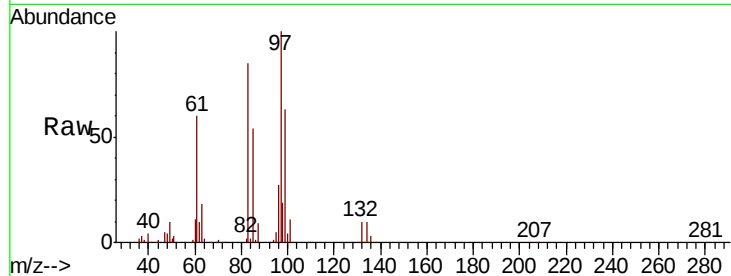




#55
 1,1,2-Trichloroethane
 Concen: 58.290 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

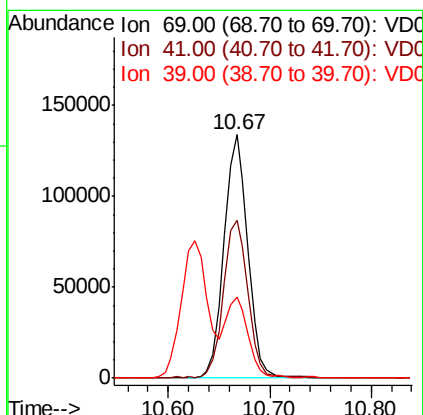
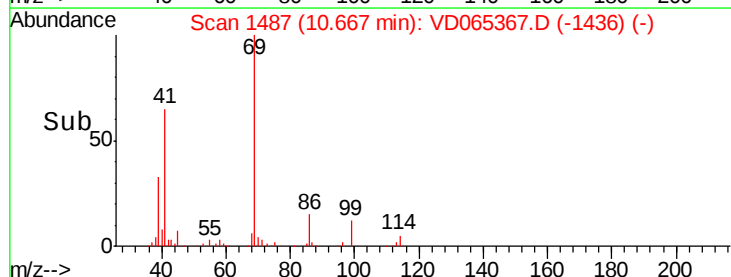
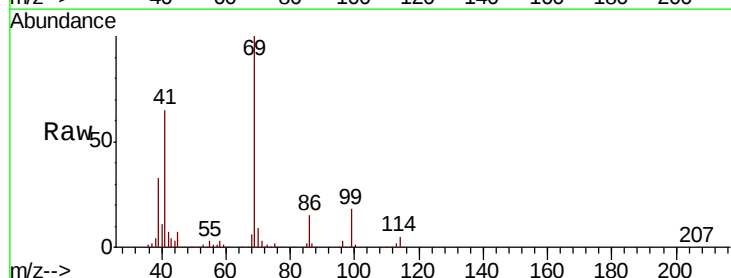
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

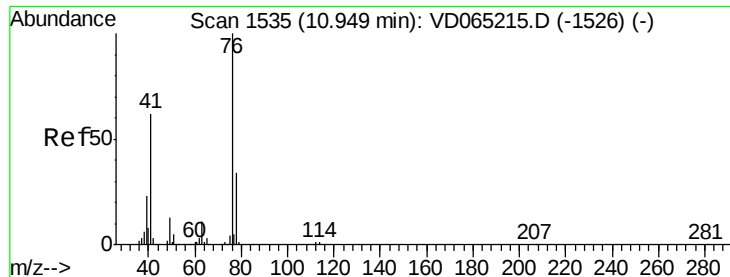
Tot Ion: 97 Resp: 173400
 Ion Ratio Lower Upper
 97 100
 83 85.2 66.7 100.1
 85 53.7 42.4 63.6
 99 63.3 47.5 71.3



#56
 Ethyl methacrylate
 Concen: 63.651 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion: 69 Resp: 218549
 Ion Ratio Lower Upper
 69 100
 41 67.7 54.6 81.8
 39 30.8 26.5 39.7





#57

1,3-Dichloropropane

Concen: 59.171 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

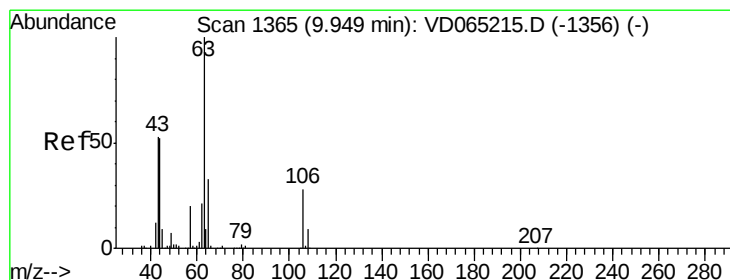
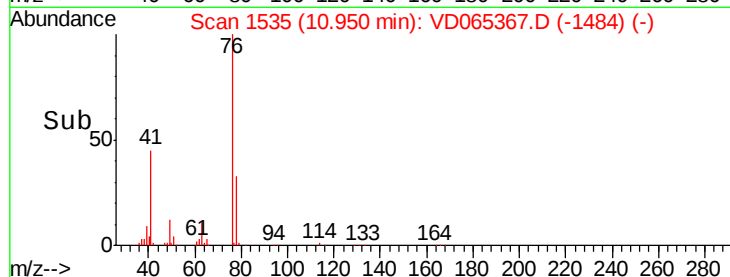
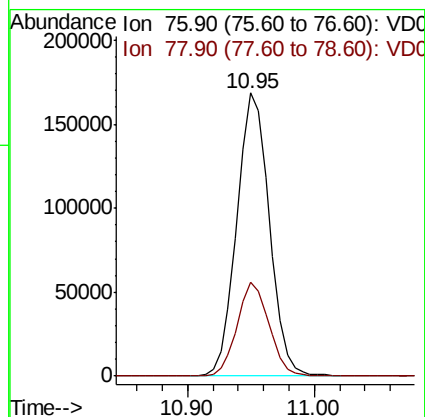
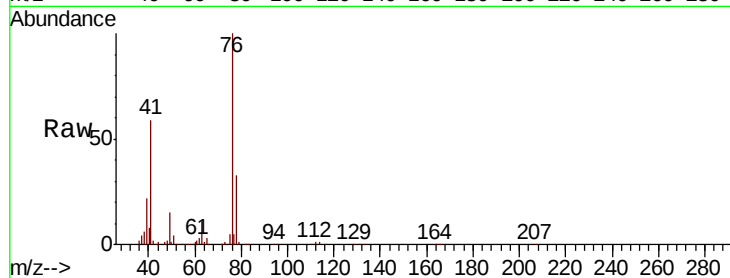
VSTDCCC050EC

Tot Ion: 76 Resp: 299584

Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 261.978 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065367.D

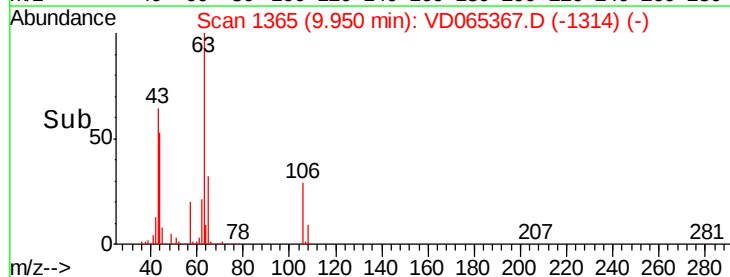
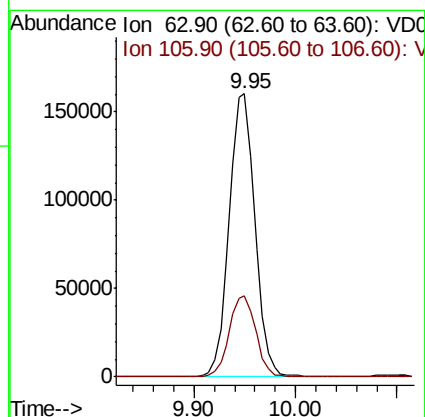
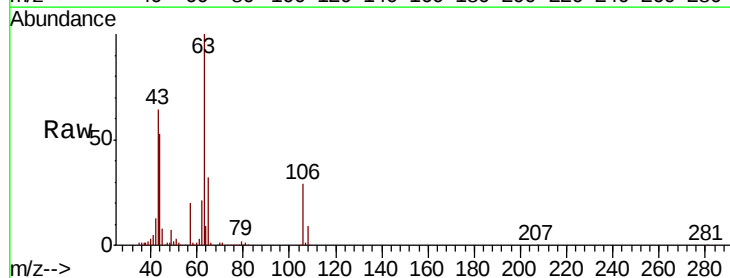
Acq: 28 Feb 2020 19:09

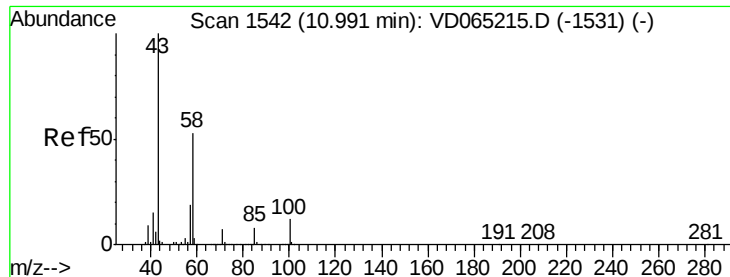
Tgt Ion: 63 Resp: 283590

Ion Ratio Lower Upper

63 100

106 29.3 22.8 34.2

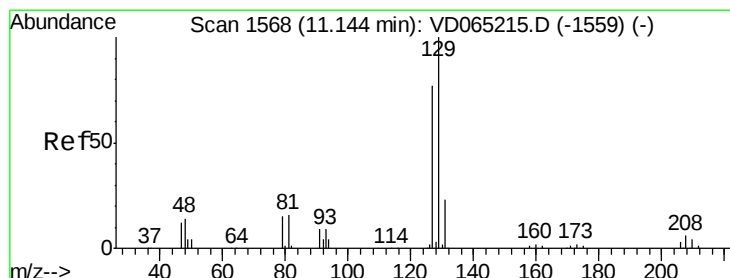
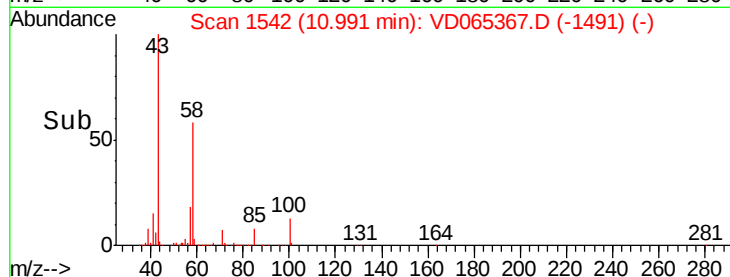
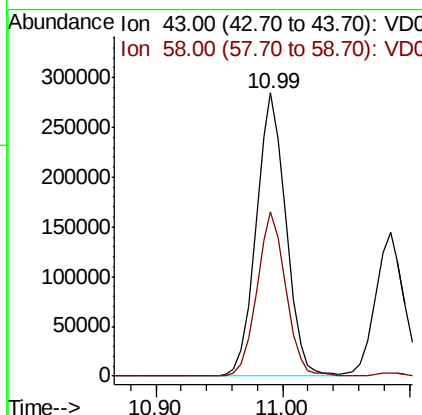
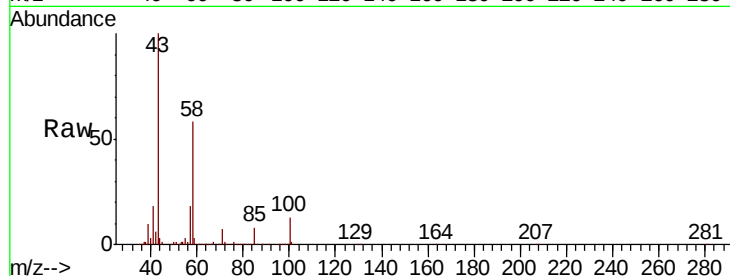




#59
2-Hexanone
Concen: 287.359 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

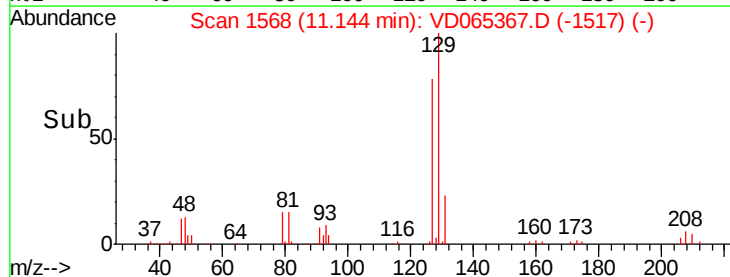
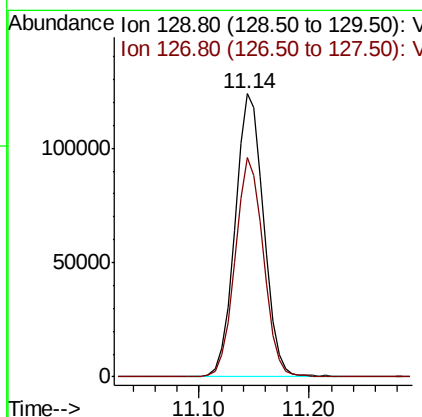
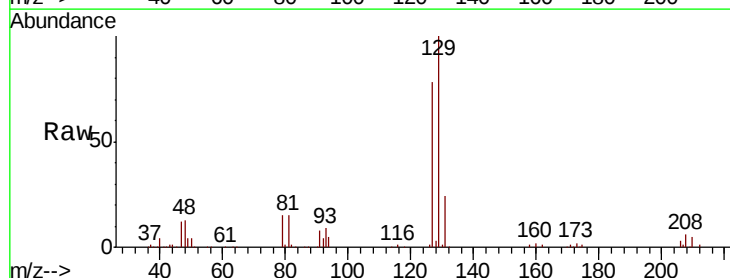
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

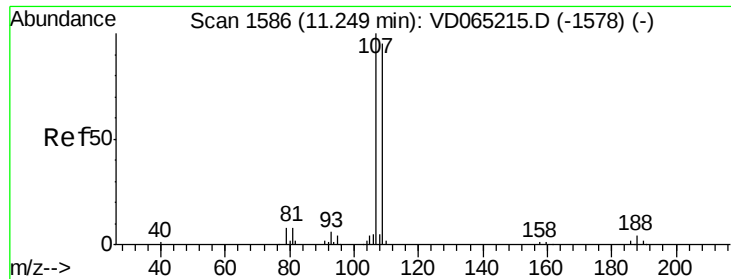
Tot Ion: 43 Resp: 464846
Ion Ratio Lower Upper
43 100
58 56.2 26.3 78.8



#60
Dibromochloromethane
Concen: 59.162 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 129 Resp: 225256
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1

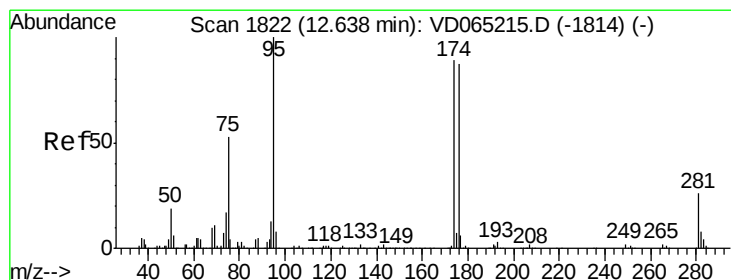
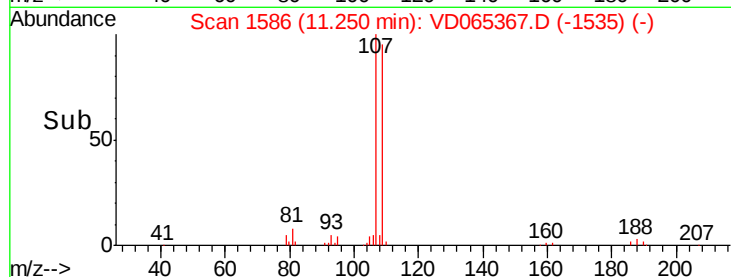
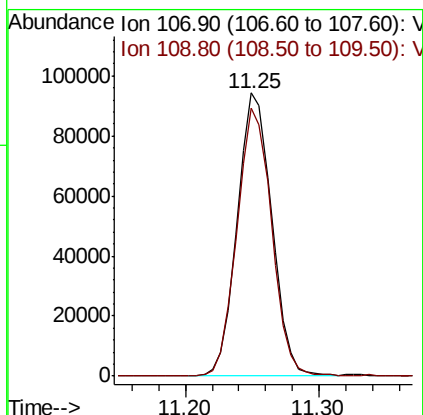
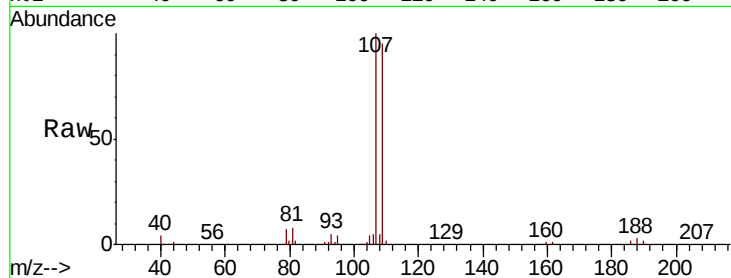




#61
 1,2-Dibromoethane
 Concen: 59.929 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

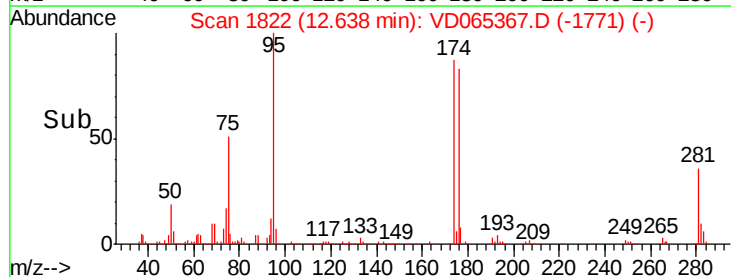
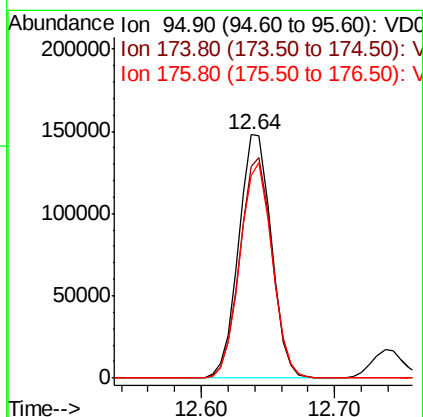
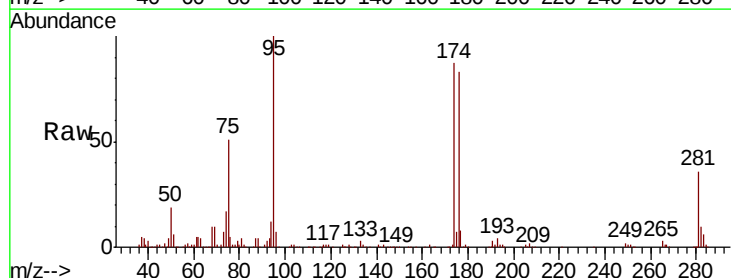
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

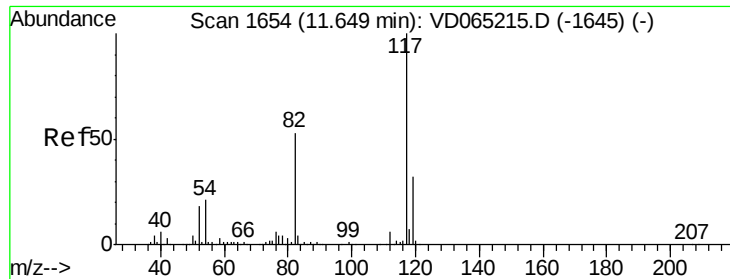
Tot Ion:107 Resp: 168792
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 56.387 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion: 95 Resp: 250455
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 178.0
 176 87.7 0.0 174.4

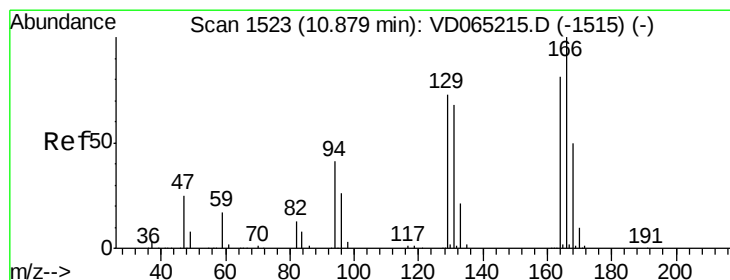
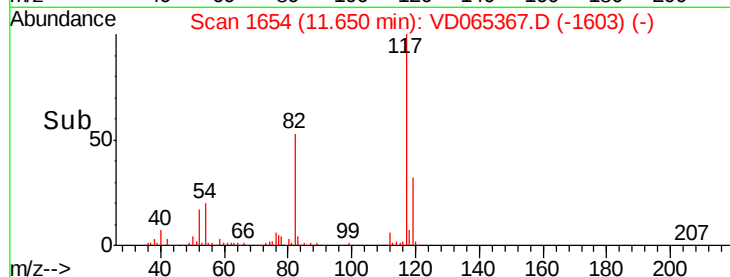
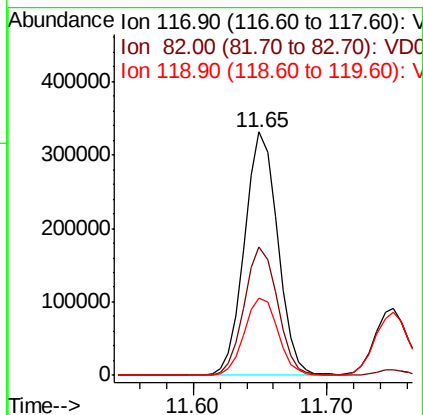
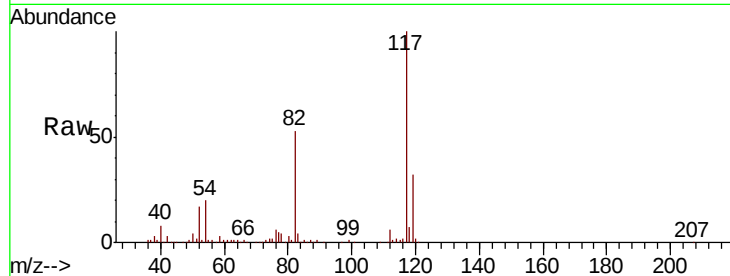




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

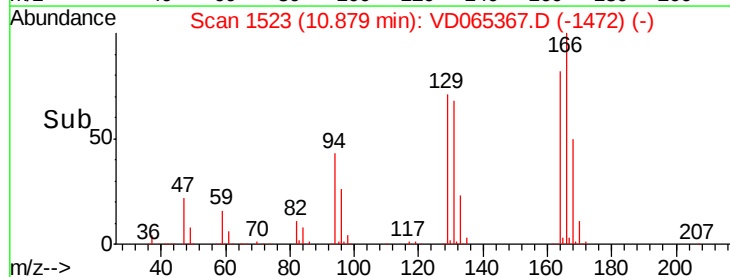
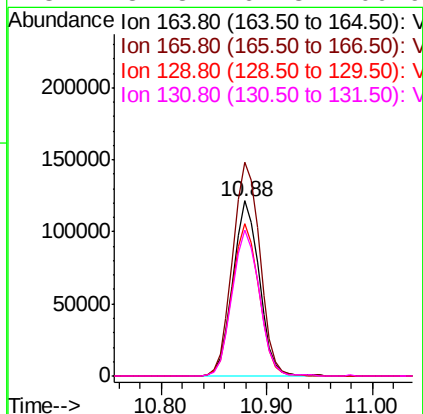
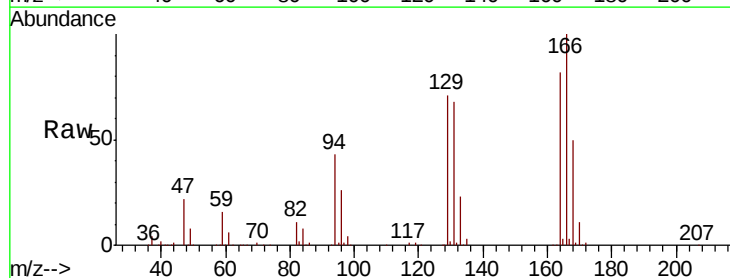
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

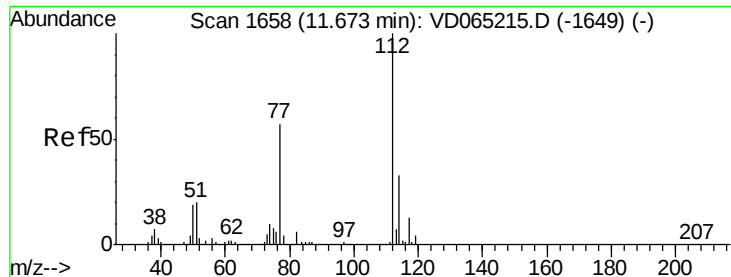
Tot Ion:117 Resp: 570087
Ion Ratio Lower Upper
117 100
82 52.8 42.7 64.1
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 51.830 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion:164 Resp: 209563
Ion Ratio Lower Upper
164 100
166 121.8 98.4 147.6
129 86.7 71.6 107.4
131 82.8 67.3 100.9

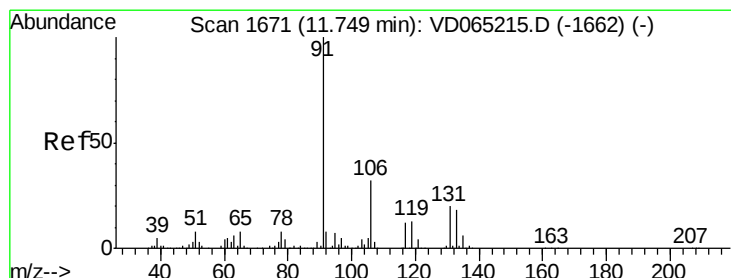
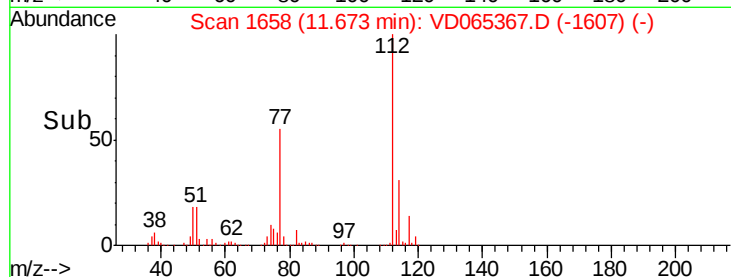
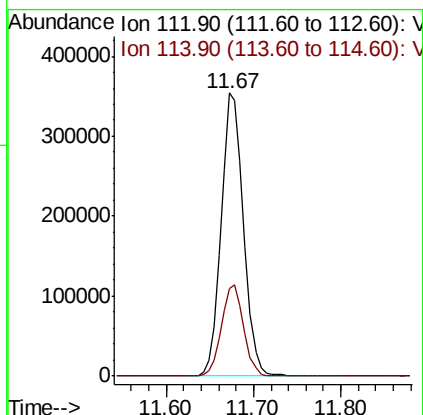
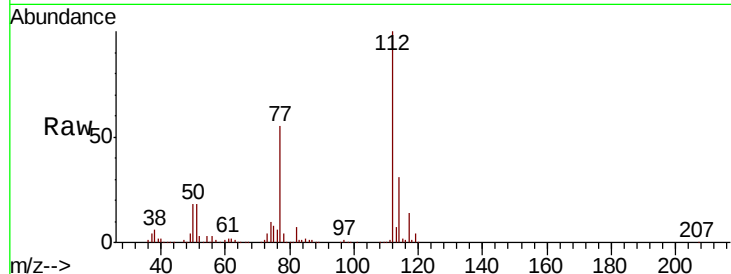




#65
Chlorobenzene
Concen: 54.228 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

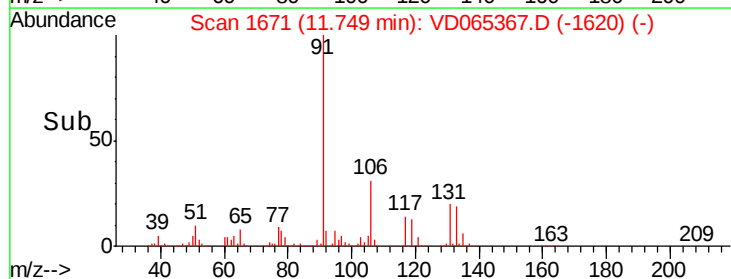
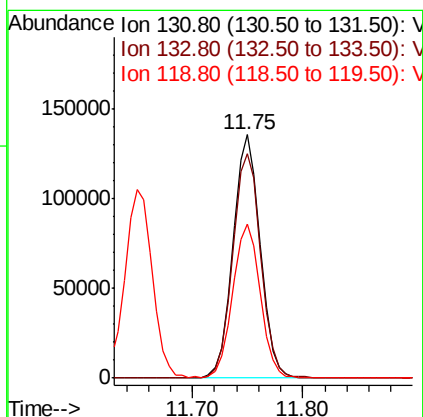
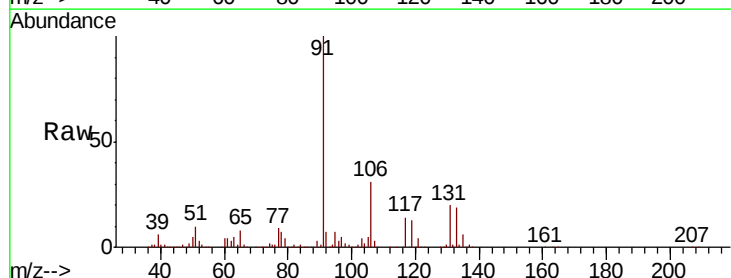
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

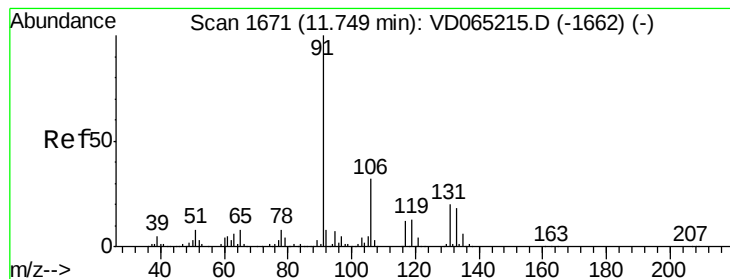
Tot Ion:112 Resp: 620375
Ion Ratio Lower Upper
112 100
114 31.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.902 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion:131 Resp: 234387
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 64.2 32.7 98.1





#67

Ethyl Benzene

Concen: 54.560 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

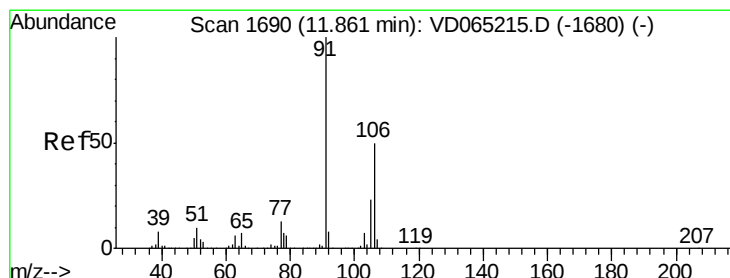
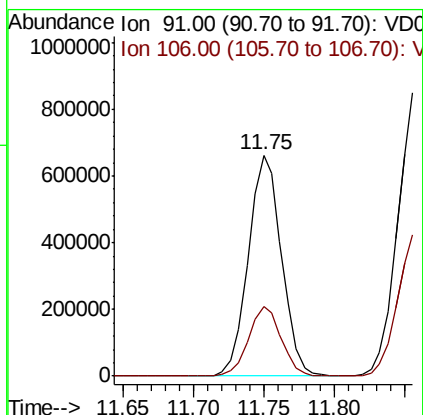
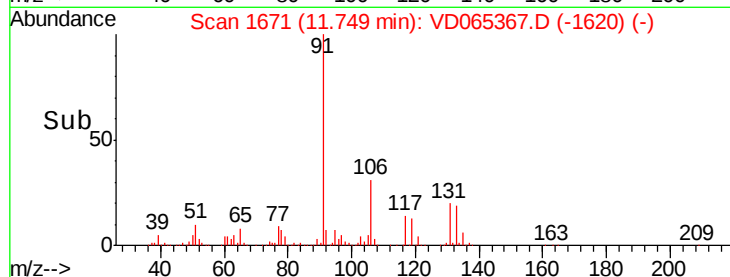
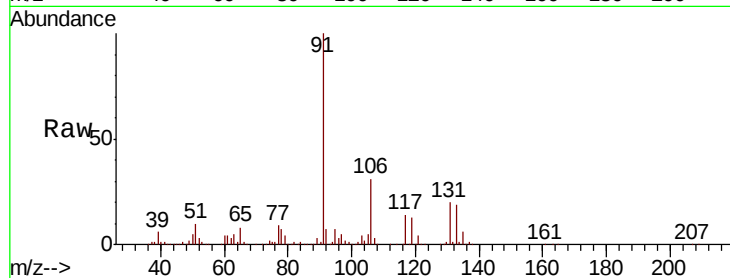
VSTDCCC050EC

Tot Ion: 91 Resp: 1093188

Ion Ratio Lower Upper

91 100

106 31.2 25.2 37.8



#68

m/p-Xylenes

Concen: 109.844 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065367.D

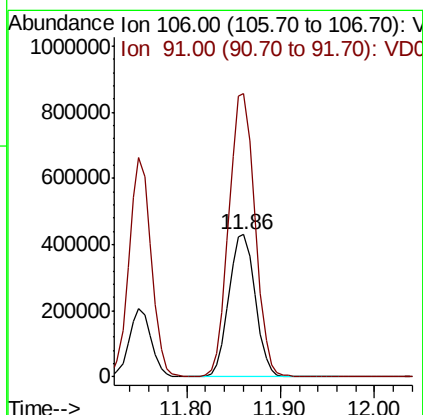
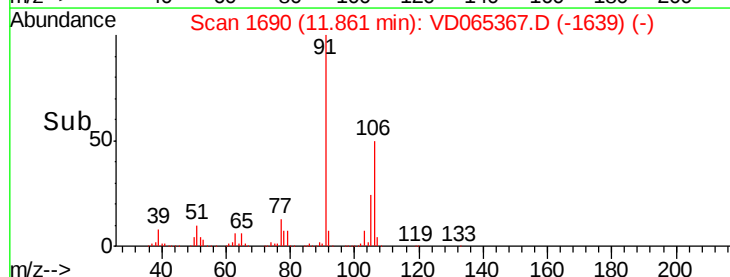
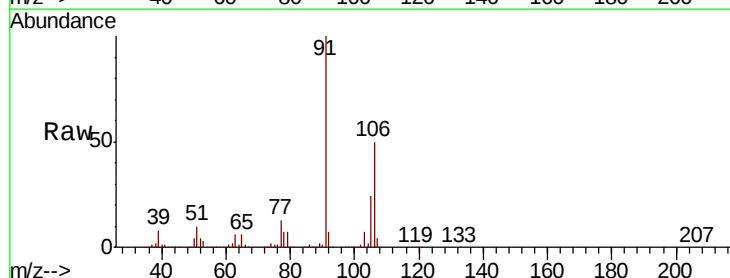
Acq: 28 Feb 2020 19:09

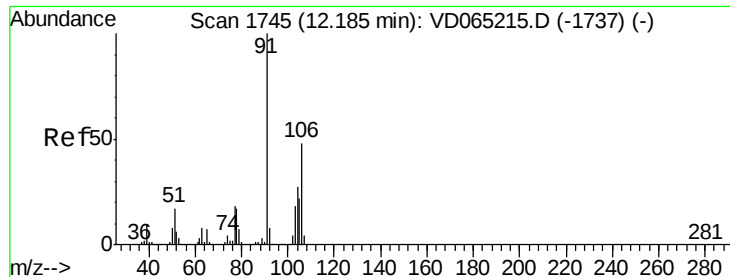
Tgt Ion: 106 Resp: 842035

Ion Ratio Lower Upper

106 100

91 196.7 158.2 237.4

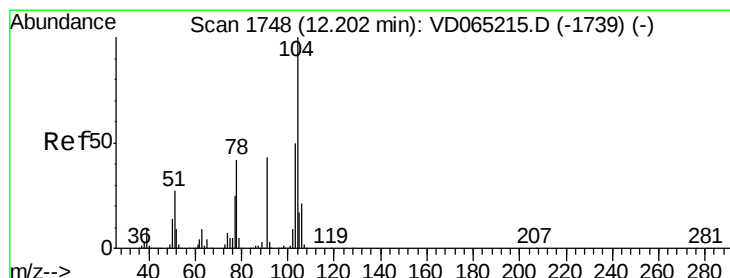
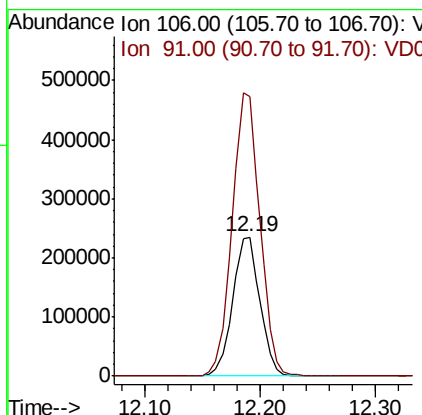
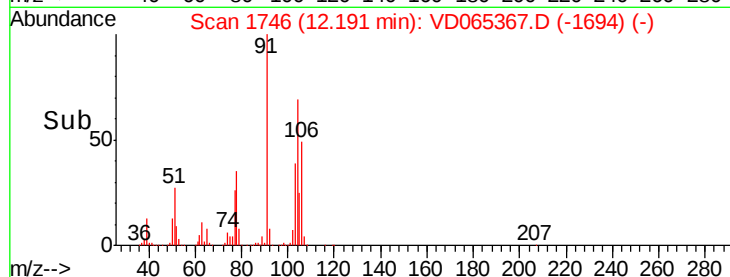
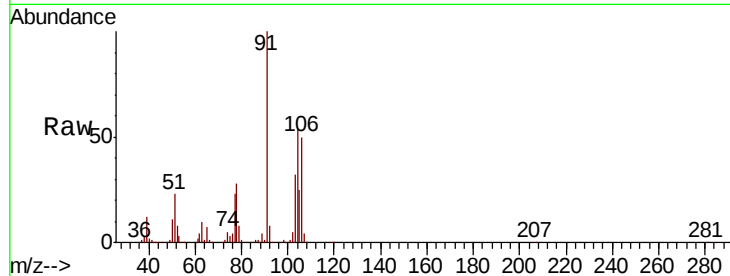




#69
o-Xylene
Concen: 56.442 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

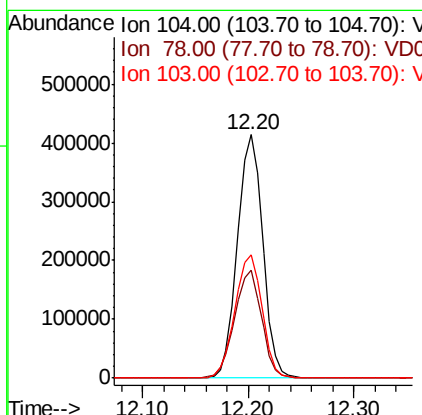
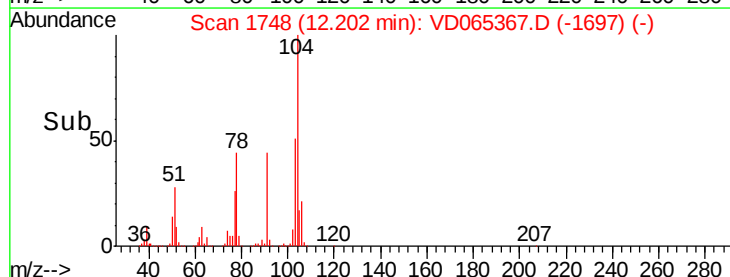
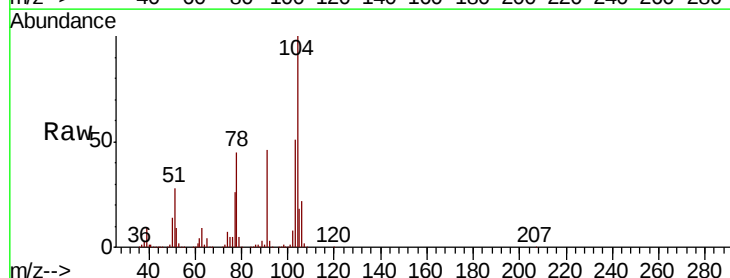
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

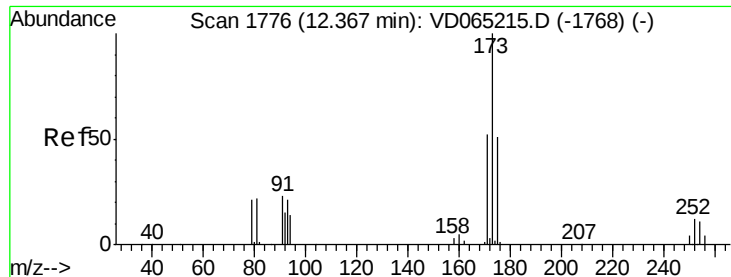
Tot Ion:106 Resp: 383324
Ion Ratio Lower Upper
106 100
91 207.9 104.7 313.9



#70
Styrene
Concen: 57.025 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion:104 Resp: 687601
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 54.1 43.4 65.2





#71

Bromoform

Concen: 57.032 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

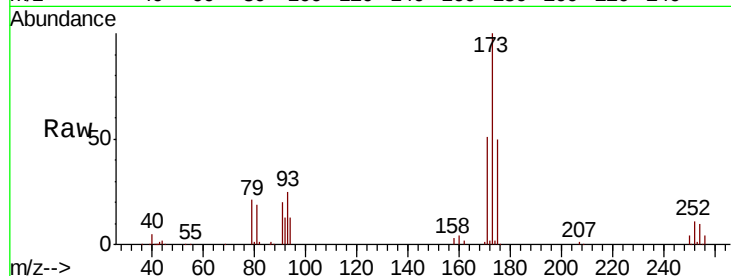
Tot Ion:173 Resp: 135107

Ion Ratio Lower Upper

173 100

175 48.3 24.4 73.4

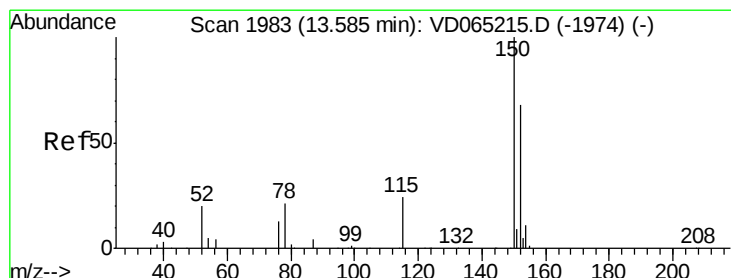
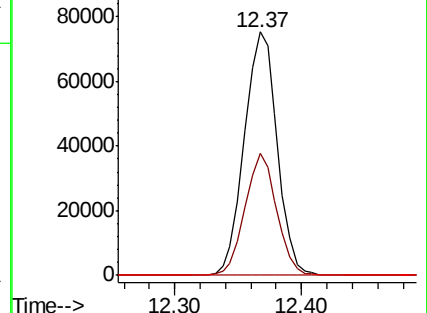
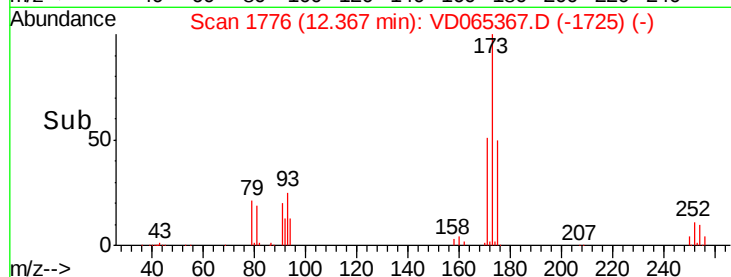
254 0.2 0.0 0.0#



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: VD065367.D

Acq: 28 Feb 2020 19:09

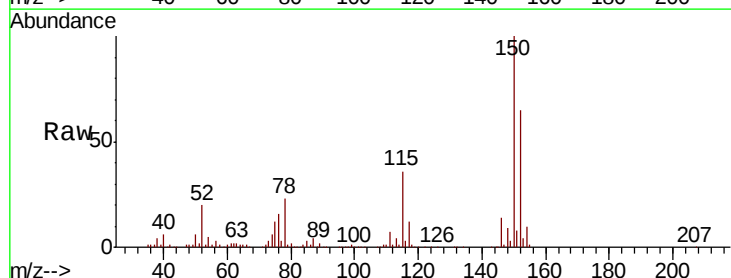
Tgt Ion:152 Resp: 289072

Ion Ratio Lower Upper

152 100

115 55.6 27.6 82.8

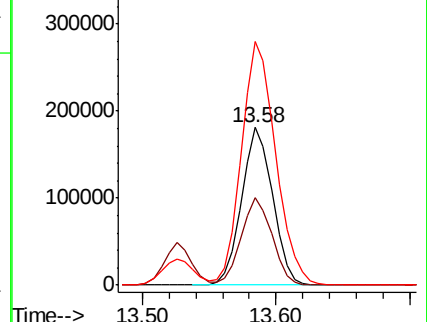
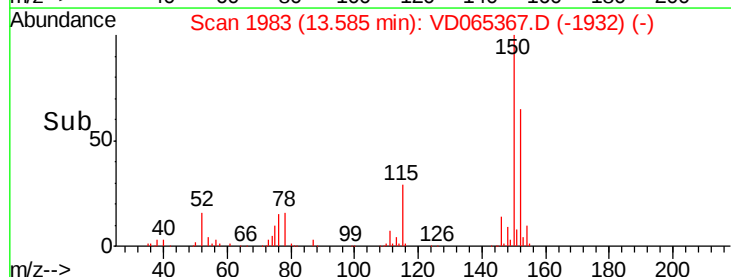
150 171.5 0.0 347.4

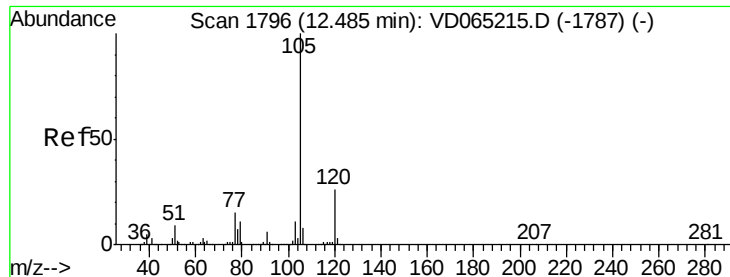


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.603 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

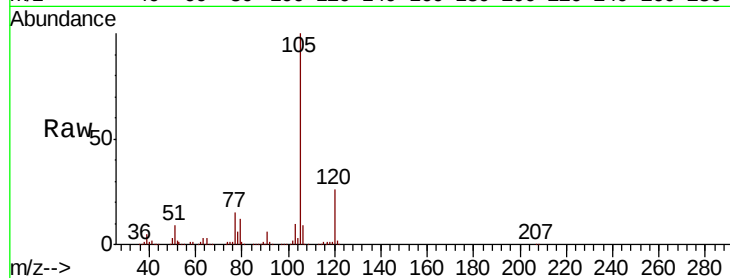
VSTDCCC050EC

Tot Ion:105 Resp: 1025843

Ion Ratio Lower Upper

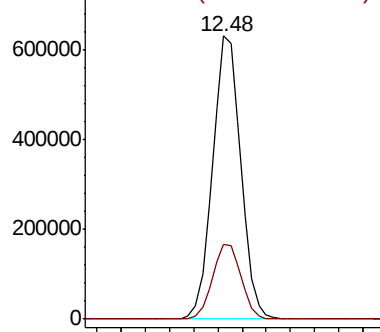
105 100

120 26.9 13.3 39.9

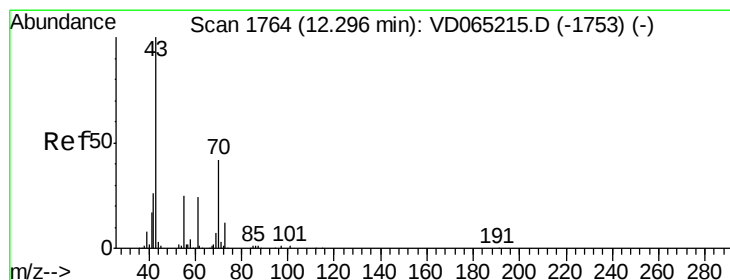
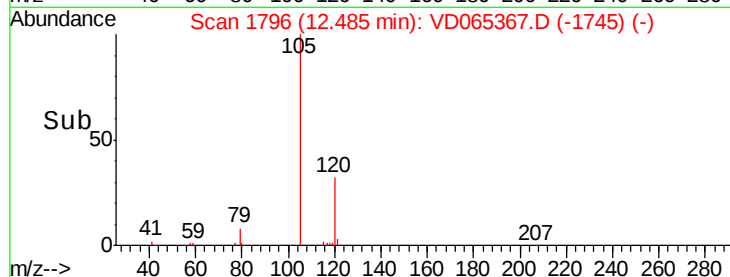


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 55.442 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Tgt Ion: 43 Resp: 235770

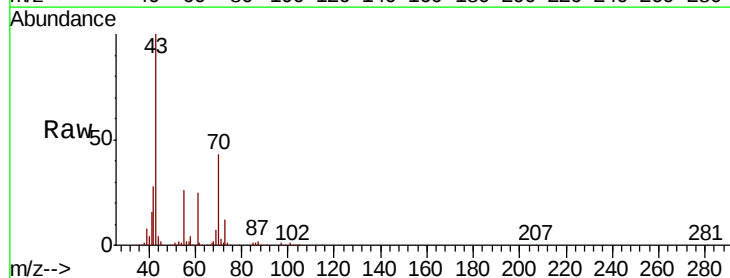
Ion Ratio Lower Upper

43 100

70 44.2 33.7 50.5

55 27.3 20.7 31.1

61 24.8 19.0 28.4

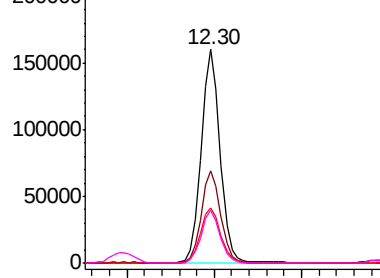


Abundance Ion 43.00 (42.70 to 43.70): VDC

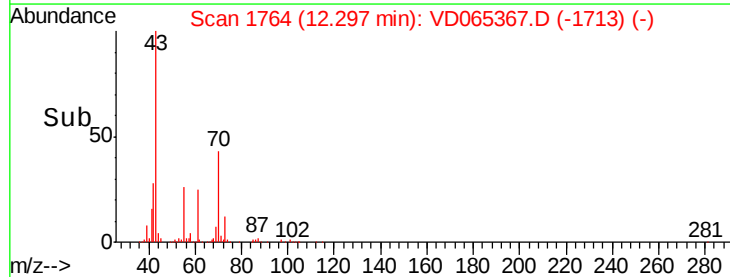
Ion 70.00 (69.70 to 70.70): VDC

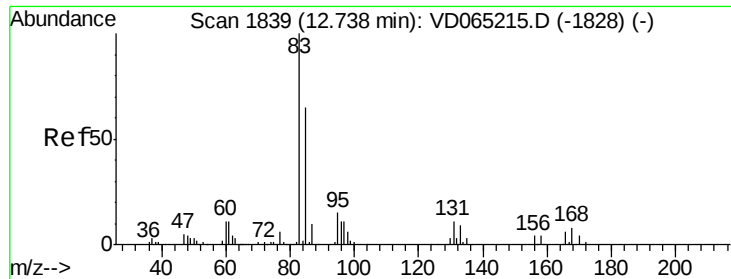
Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.517 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

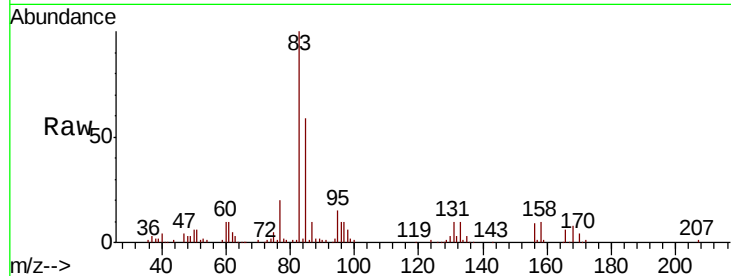
Tot Ion: 83 Resp: 188300

Ion Ratio Lower Upper

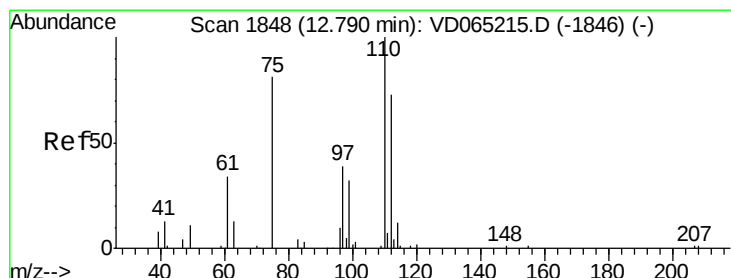
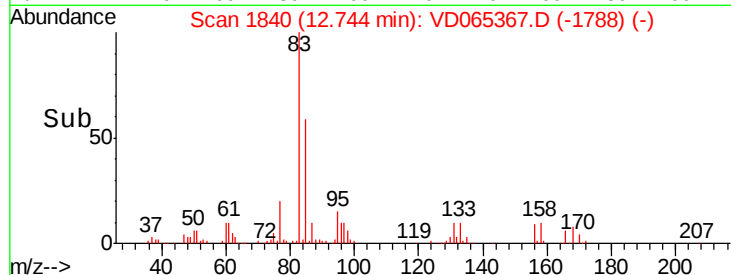
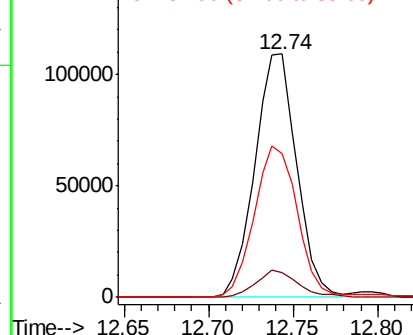
83 100

131 11.1 5.4 16.2

85 64.0 31.6 94.8



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



#76

1,2,3-Trichloropropane

Concen: 100.047 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065367.D

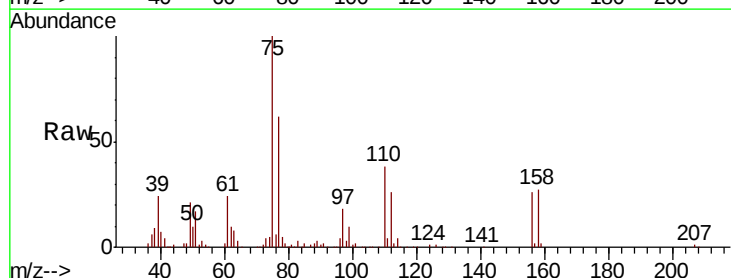
Acq: 28 Feb 2020 19:09

Tgt Ion: 75 Resp: 246067

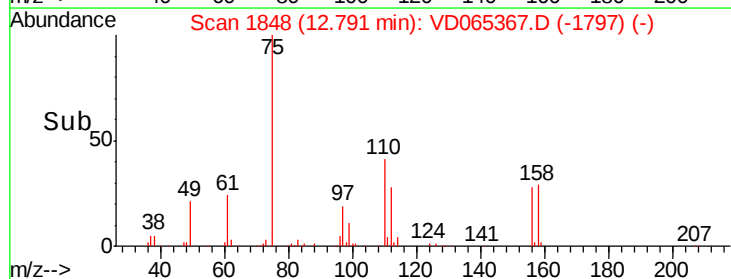
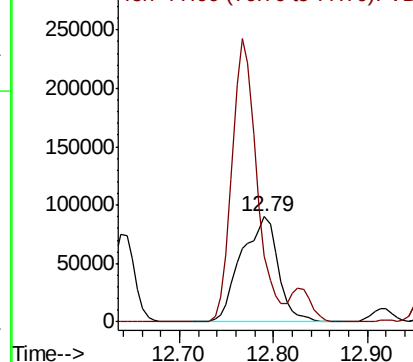
Ion Ratio Lower Upper

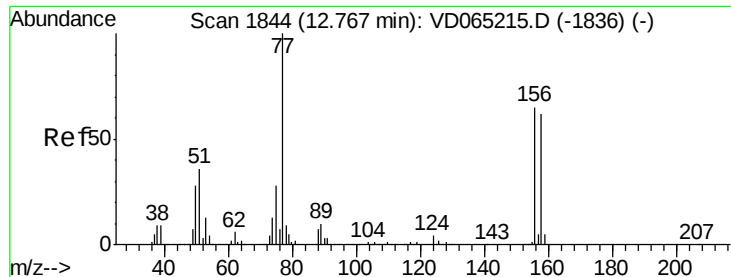
75 100

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: 54.566 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

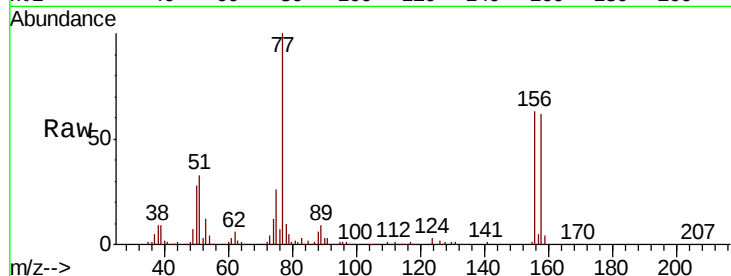
Tot Ion:156 Resp: 259312

Ion Ratio Lower Upper

156 100

77 171.8 86.6 259.7

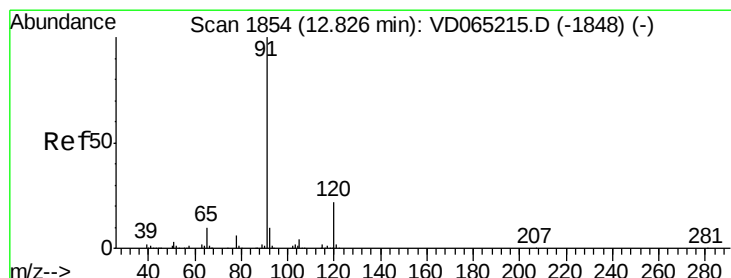
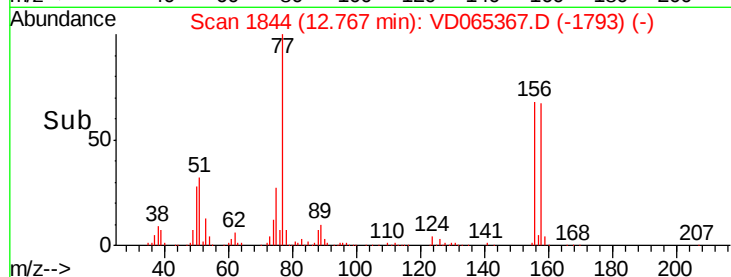
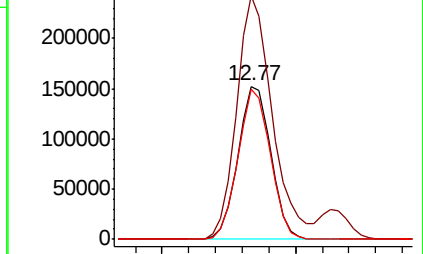
158 96.8 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.902 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065367.D

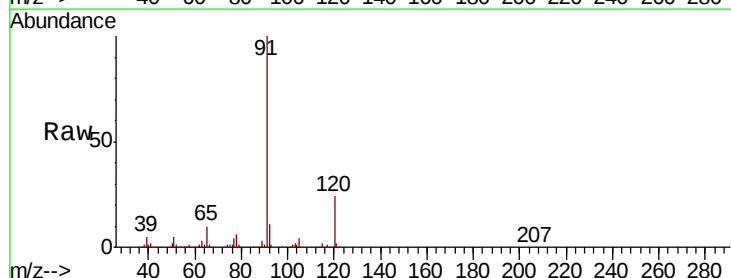
Acq: 28 Feb 2020 19:09

Tgt Ion: 91 Resp: 1216676

Ion Ratio Lower Upper

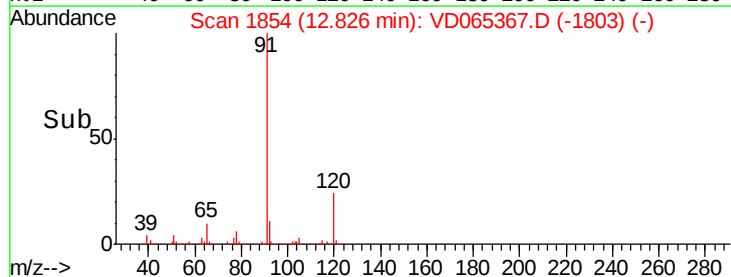
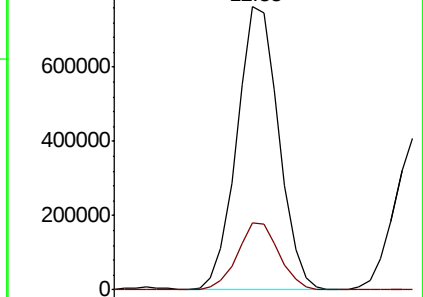
91 100

120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

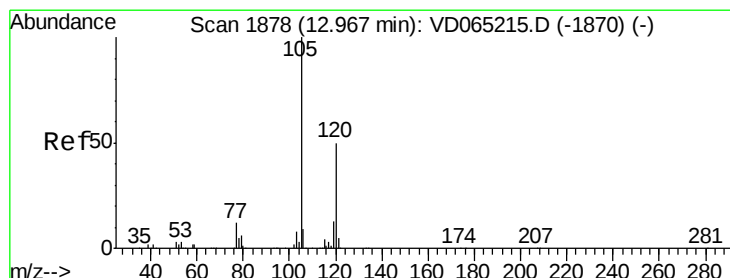
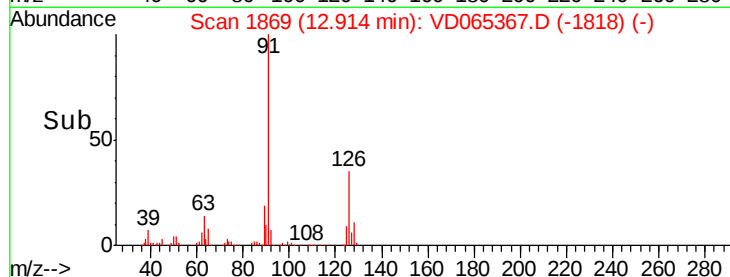
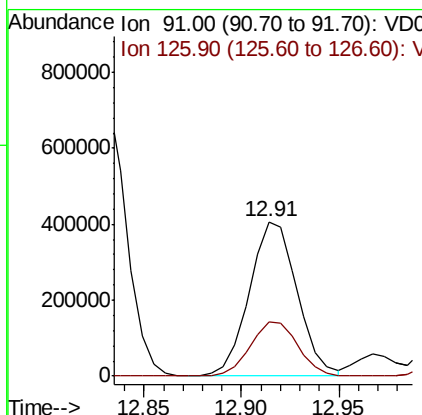
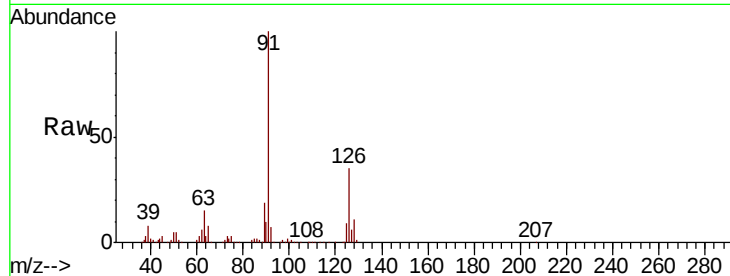




#79
 2-Chlorotoluene
 Concen: 53.423 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

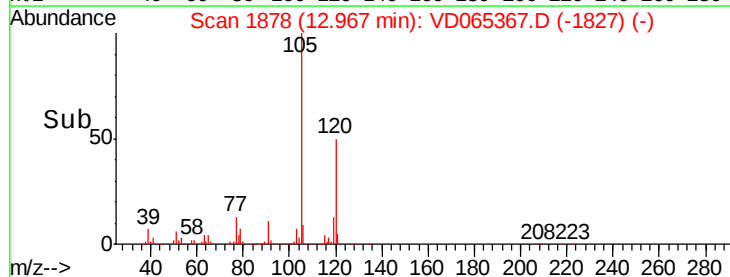
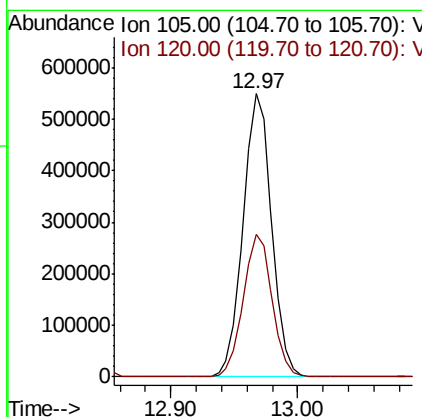
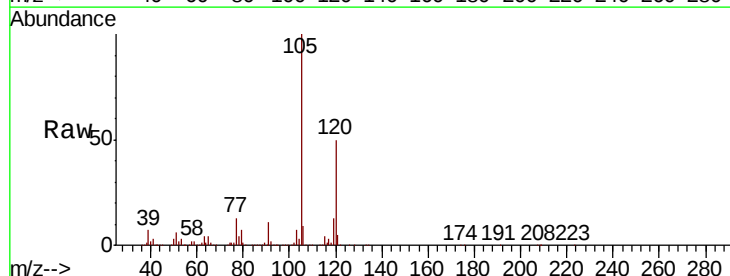
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

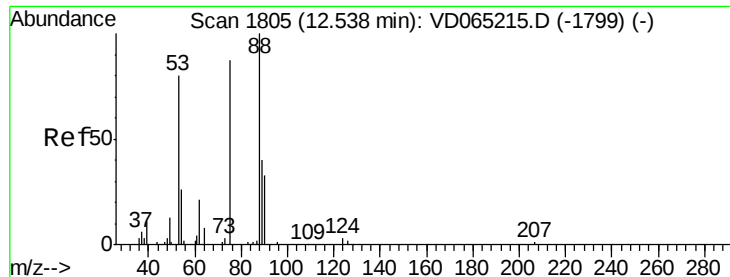
Tot Ion: 91 Resp: 688302
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 54.340 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion: 105 Resp: 856538
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 53.873 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

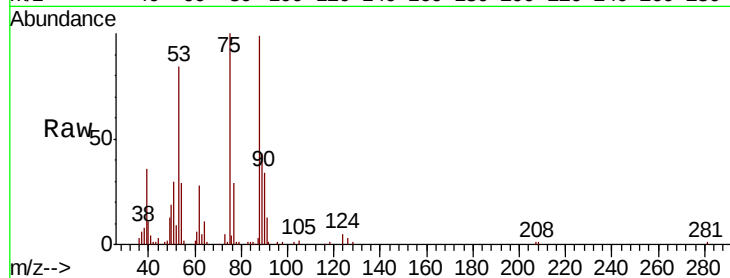
Tot Ion: 75 Resp: 61366

Ion Ratio Lower Upper

75 100

53 92.1 77.6 116.4

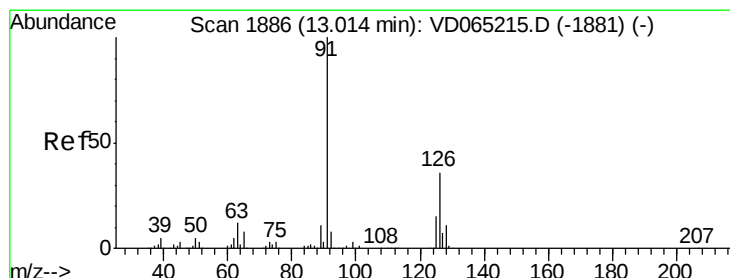
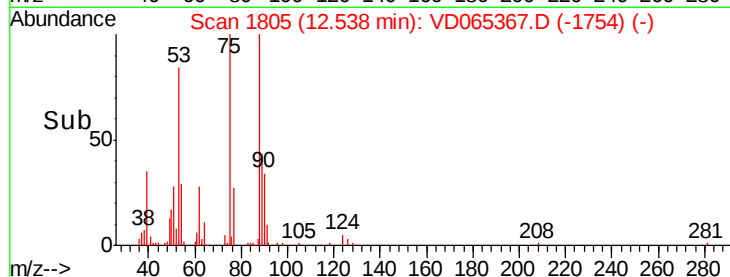
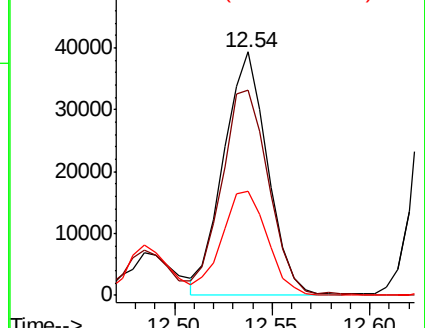
89 44.5 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.234 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065367.D

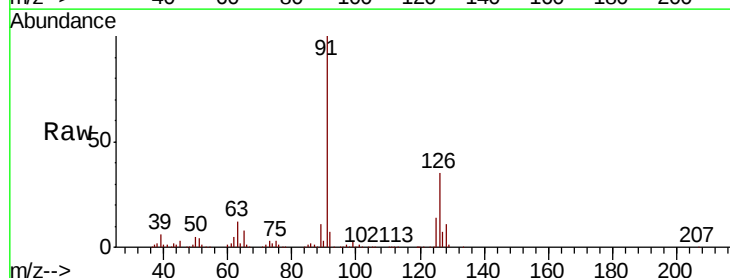
Acq: 28 Feb 2020 19:09

Tgt Ion: 91 Resp: 728136

Ion Ratio Lower Upper

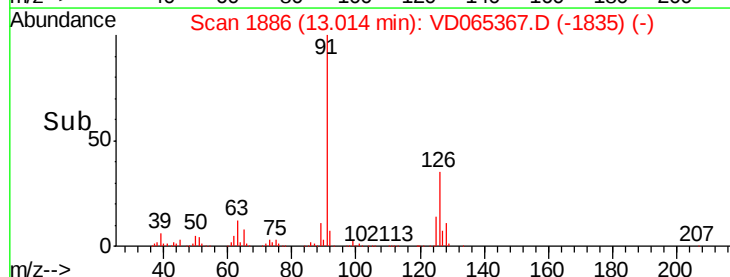
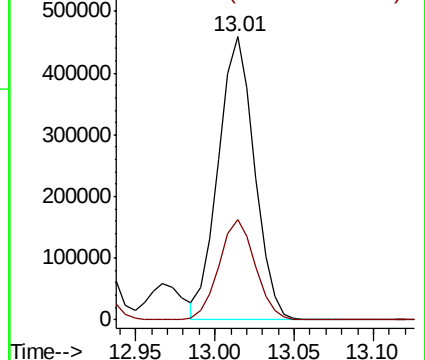
91 100

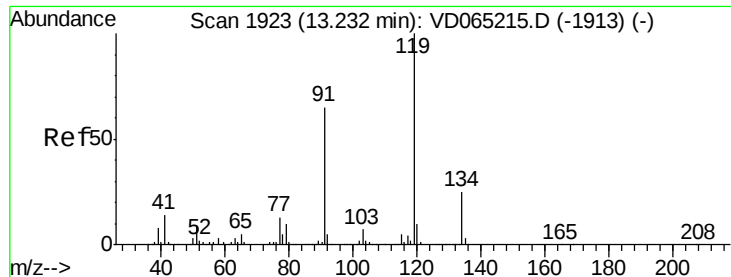
126 35.5 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 53.574 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

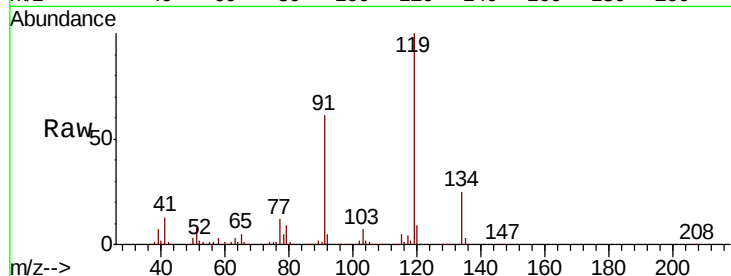
Tot Ion:119 Resp: 707759

Ion Ratio Lower Upper

119 100

91 63.2 31.9 95.5

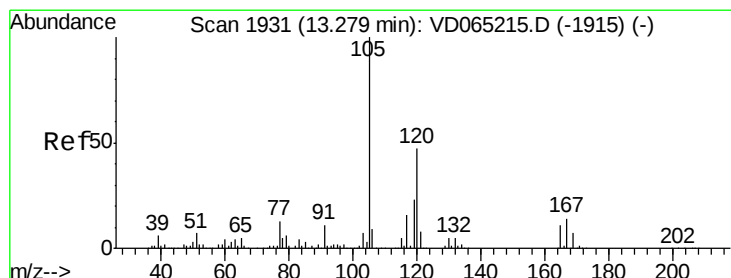
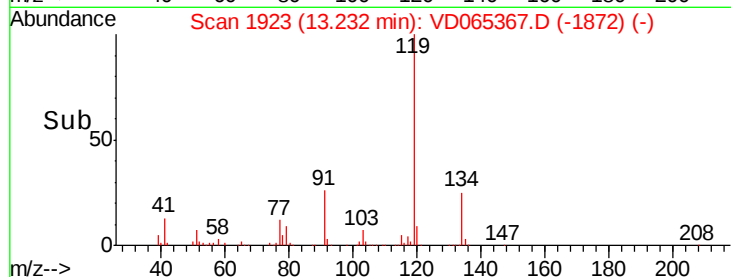
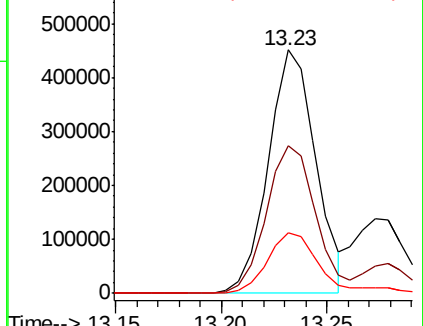
134 27.8 13.8 41.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.436 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065367.D

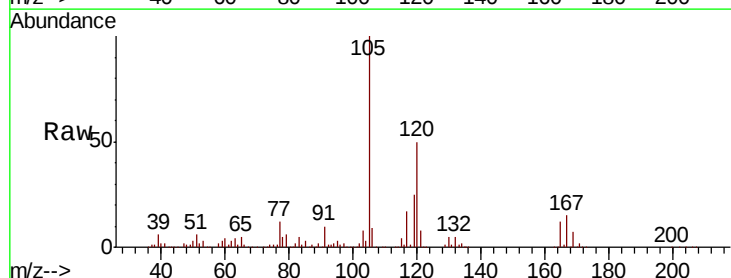
Acq: 28 Feb 2020 19:09

Tgt Ion:105 Resp: 858839

Ion Ratio Lower Upper

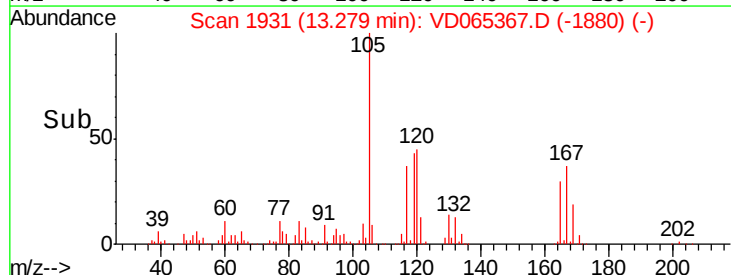
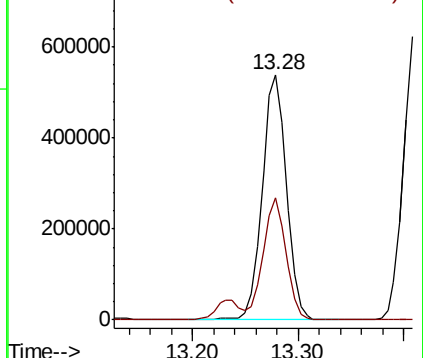
105 100

120 47.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.596 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

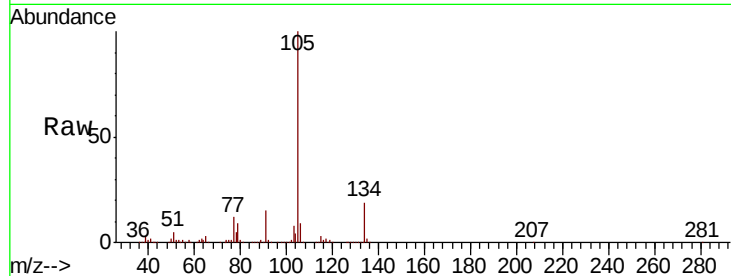
VSTDCCC050EC

Tot Ion:105 Resp: 1001230

Ion Ratio Lower Upper

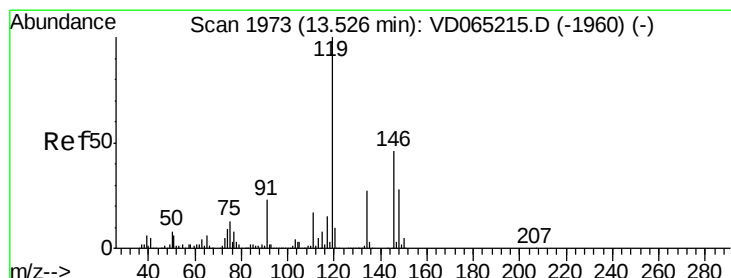
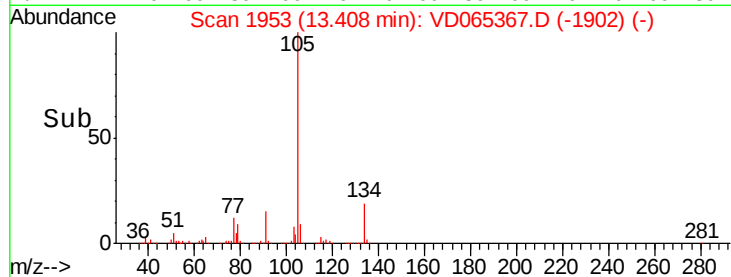
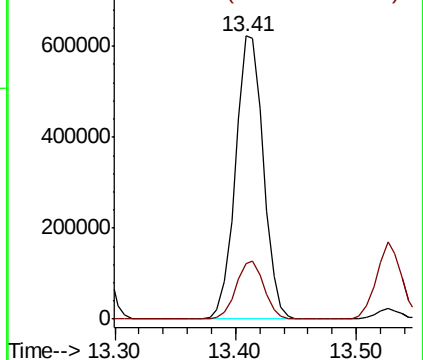
105 100

134 20.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.561 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

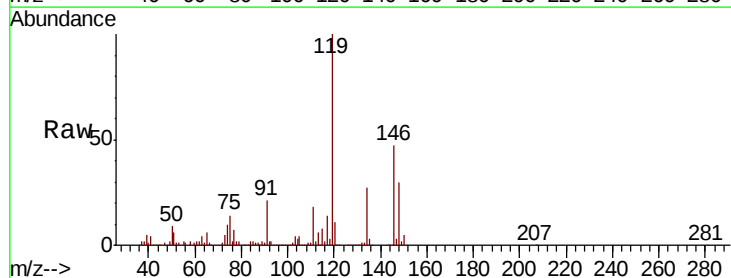
Tgt Ion:119 Resp: 932422

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

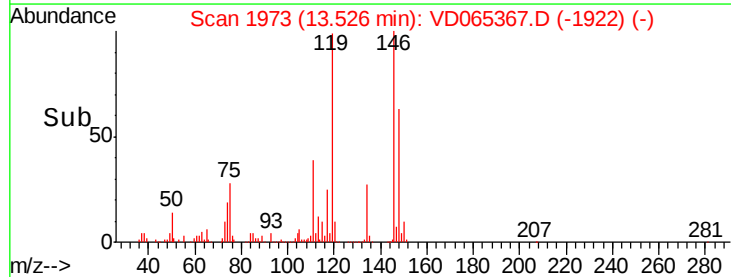
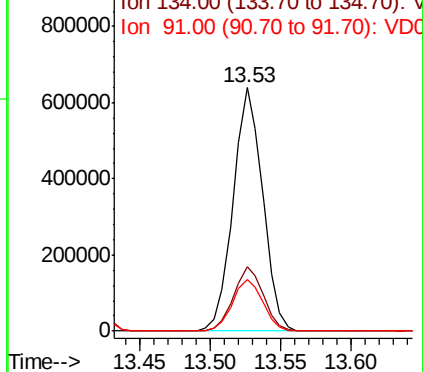
91 21.9 11.1 33.1

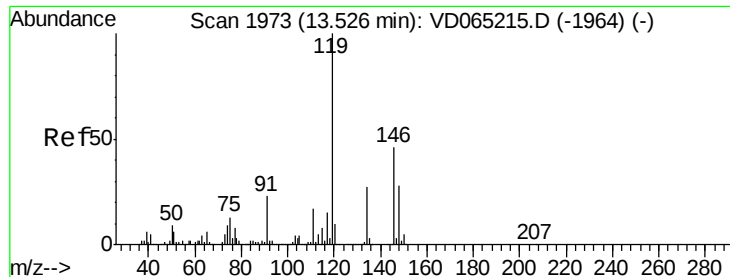


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.013 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

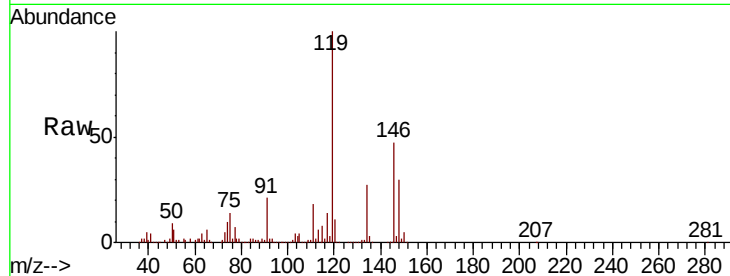
Tot Ion:146 Resp: 487043

Ion Ratio Lower Upper

146 100

111 37.4 18.6 55.8

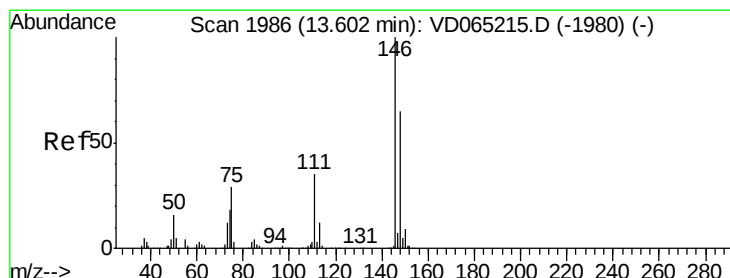
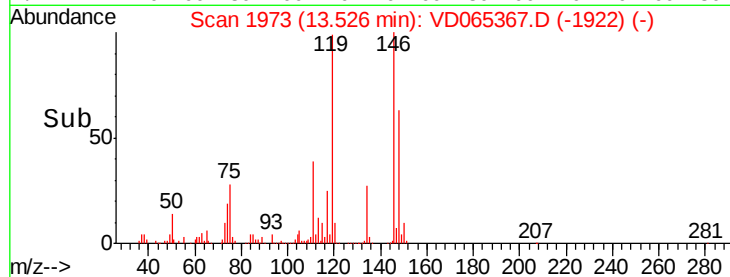
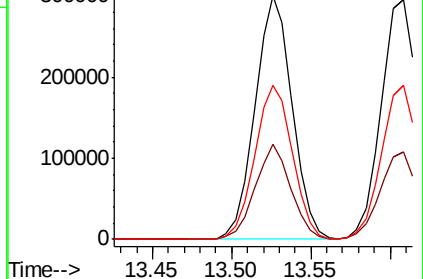
148 64.2 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.173 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065367.D

Acq: 28 Feb 2020 19:09

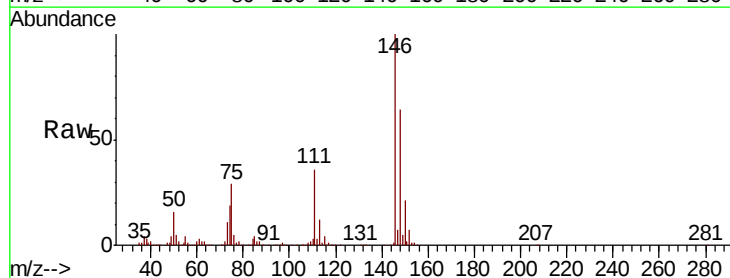
Tgt Ion:146 Resp: 482140

Ion Ratio Lower Upper

146 100

111 36.8 18.4 55.2

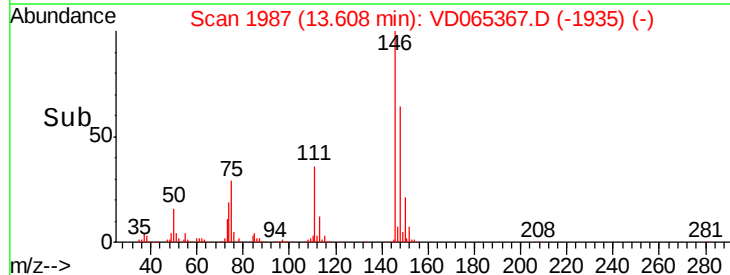
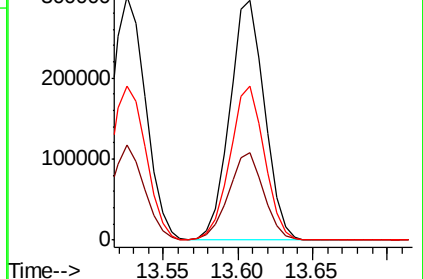
148 63.7 32.1 96.5

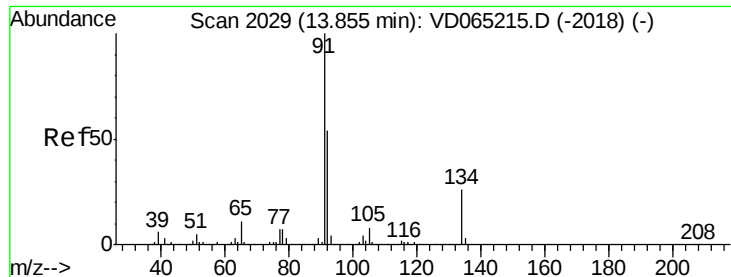


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

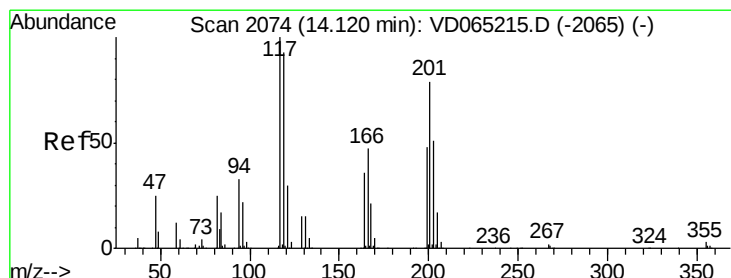
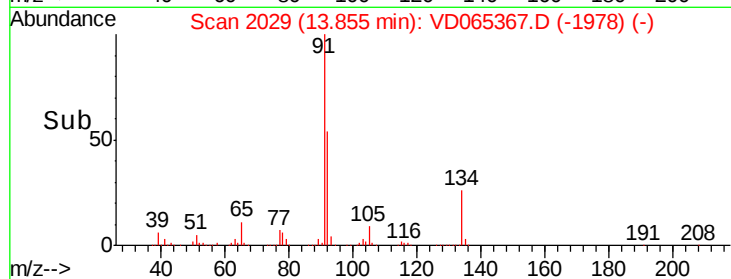
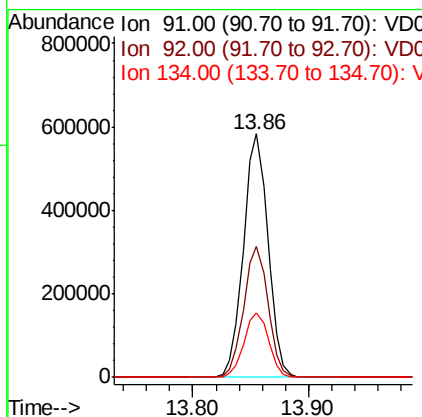
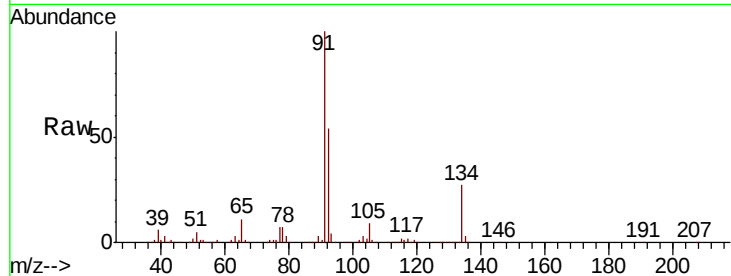




#89
n-Butylbenzene
Concen: 53.800 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

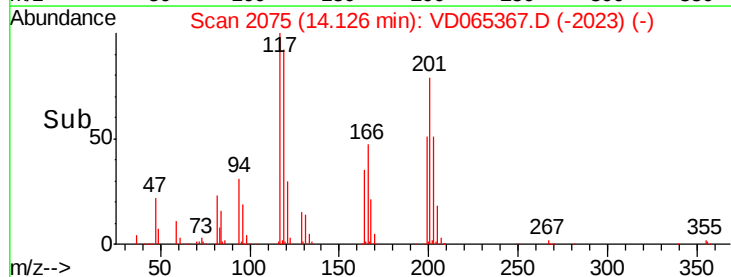
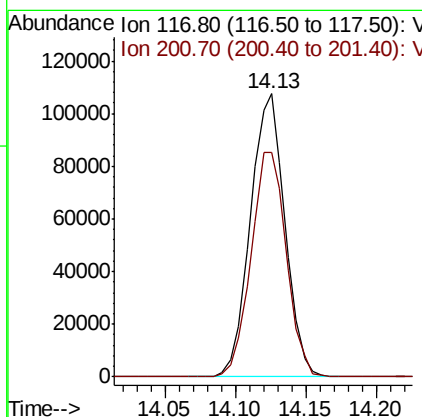
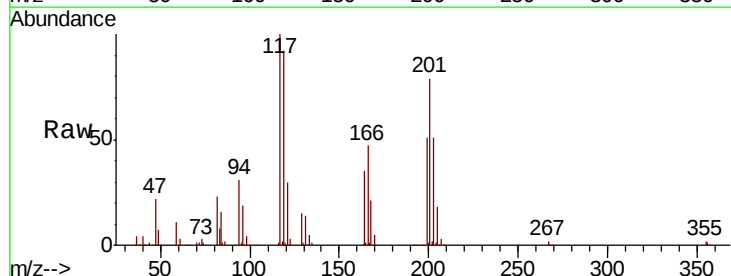
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 863056
Ion Ratio Lower Upper
91 100
92 53.3 27.0 80.8
134 26.7 13.5 40.4



#90
Hexachloroethane
Concen: 52.176 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion: 117 Resp: 184430
Ion Ratio Lower Upper
117 100
201 81.2 41.3 124.1

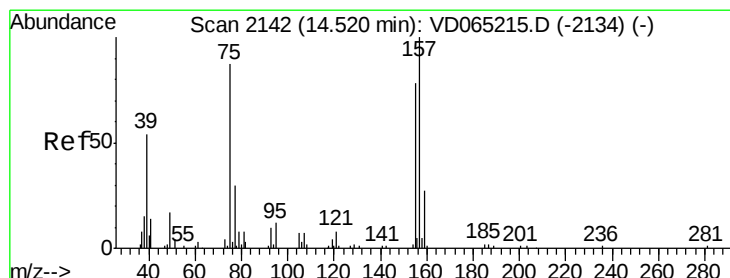
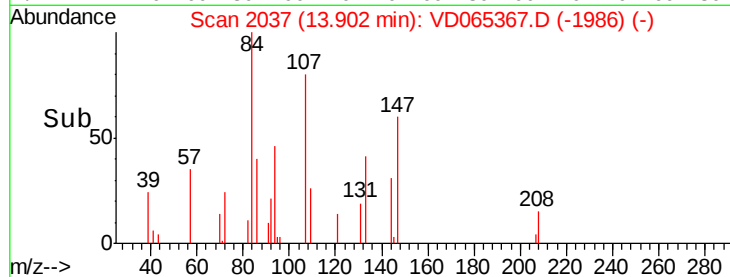
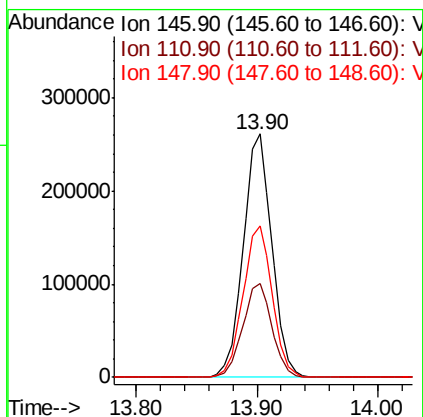
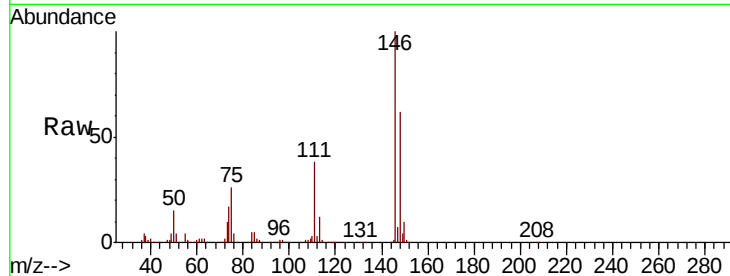




#91
 1,2-Dichlorobenzene
 Concen: 54.591 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

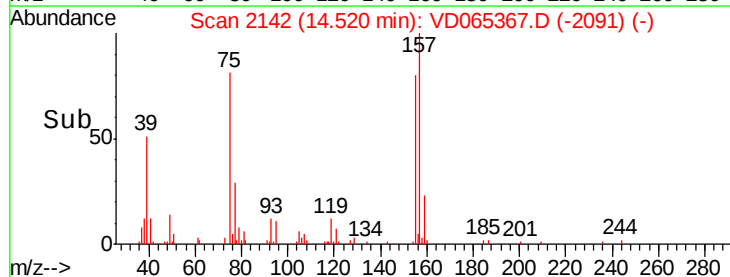
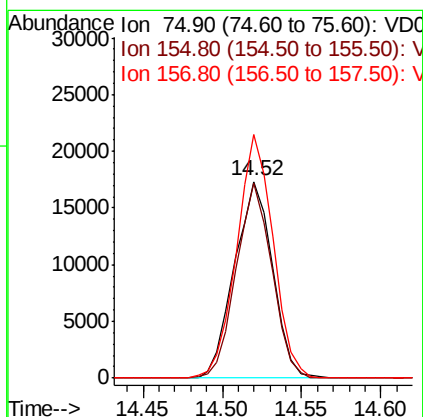
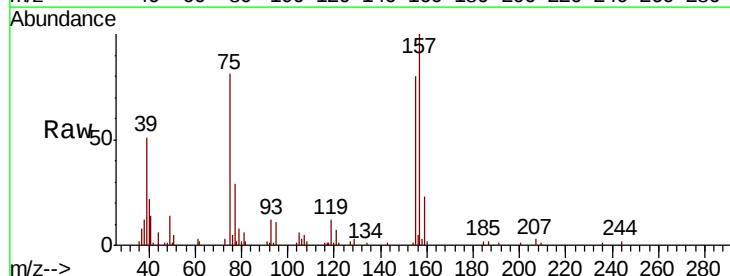
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	63.3	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.316 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	42.3	126.9
157	118.3	56.7	170.1

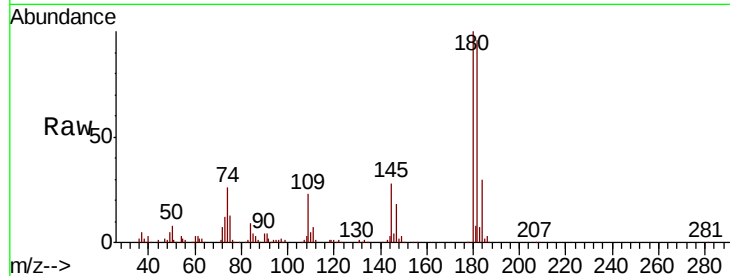




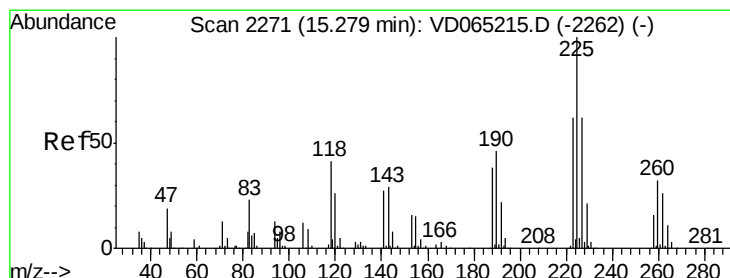
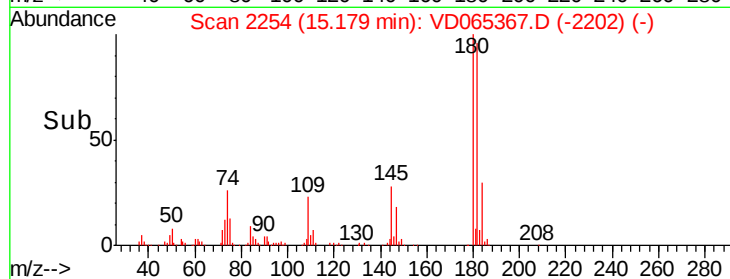
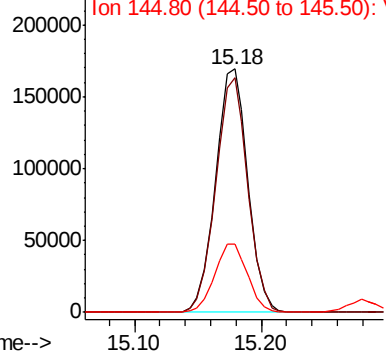
#93
 1,2,4-Trichlorobenzene
 Concen: 57.880 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 298657
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.9 140.6
 145 28.6 13.9 41.7

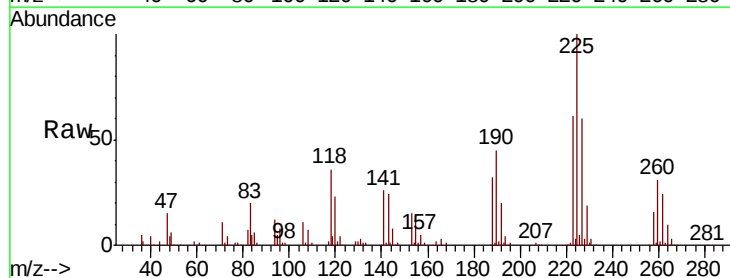


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

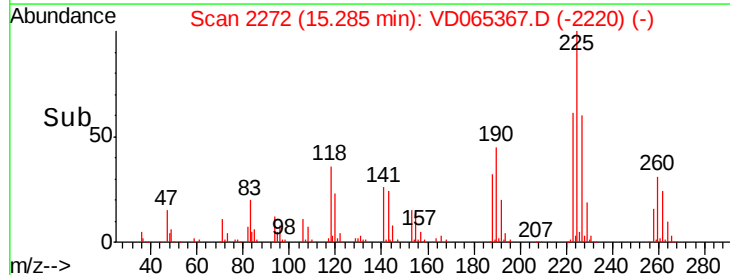
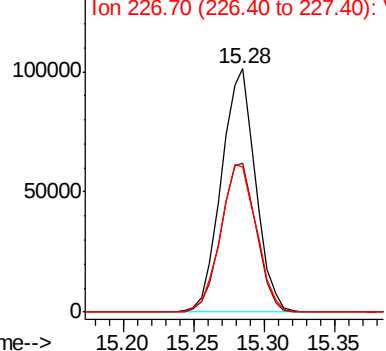


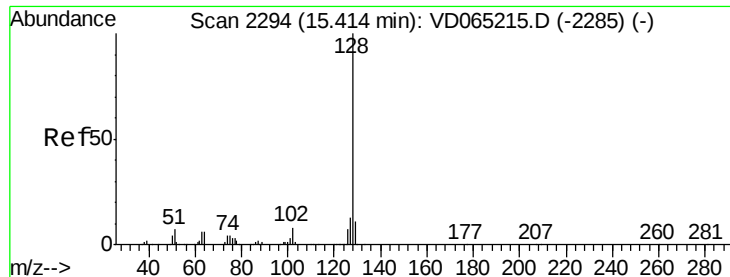
#94
 Hexachlorobutadiene
 Concen: 51.854 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065367.D
 Acq: 28 Feb 2020 19:09

Tgt Ion:225 Resp: 171637
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.2
 227 63.9 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

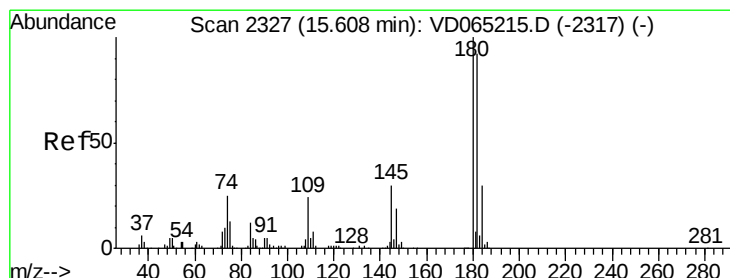
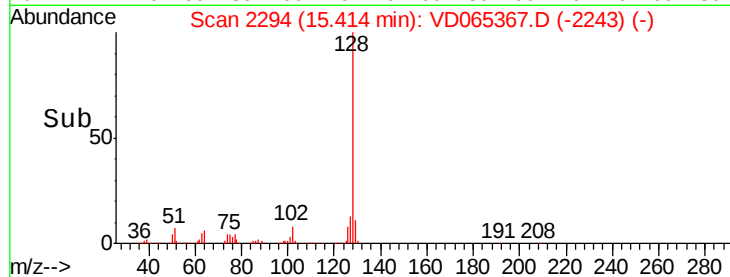
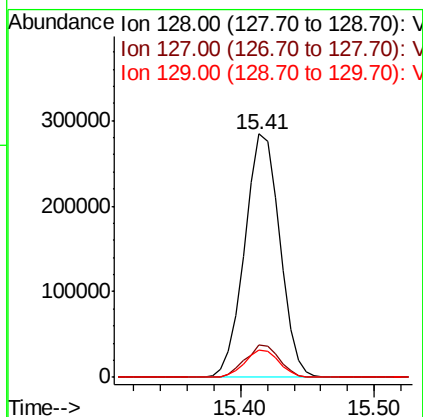
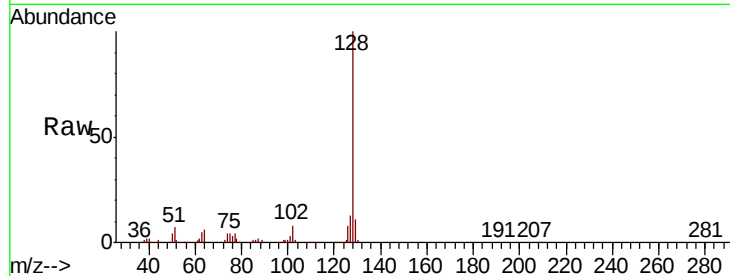




#95
Naphthalene
Concen: 61.626 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 516945
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 57.623 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065367.D
Acq: 28 Feb 2020 19:09

Tgt Ion:180 Resp: 259682
Ion Ratio Lower Upper
180 100
182 97.2 46.9 140.6
145 31.2 15.4 46.1

