

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
 Data File : VD065407.D
 Acq On : 04 Mar 2020 12:00
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 04 15:59:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	503903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	650225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209166	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.92	113	223920	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.34	98	891560	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.64	95	278002	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199052	45.56	ug/l	100
3) Chloromethane	2.21	50	238198	45.51	ug/l	100
4) Vinyl Chloride	2.35	62	247990	47.92	ug/l	100
5) Bromomethane	2.77	94	153080	46.03	ug/l	100
6) Chloroethane	2.93	64	153708	48.66	ug/l	100
7) Trichlorofluoromethane	3.27	101	361546	47.38	ug/l	100
8) Diethyl Ether	3.71	74	107905	47.36	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	230990	47.03	ug/l	100
10) Methyl Iodide	4.30	142	276129	54.45	ug/l	100
11) Tert butyl alcohol	5.24	59	57450	244.42	ug/l	100
12) 1,1-Dichloroethene	4.06	96	223438	47.54	ug/l	100
13) Acrolein	3.93	56	96474	224.97	ug/l	100
14) Allyl chloride	4.71	41	354656	48.98	ug/l	100
15) Acrylonitrile	5.43	53	235575	235.35	ug/l	100
16) Acetone	4.17	43	199040	224.53	ug/l	100
17) Carbon Disulfide	4.40	76	757138	48.26	ug/l	100
18) Methyl Acetate	4.72	43	102830	45.37	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	451535	49.43	ug/l	100
20) Methylene Chloride	4.96	84	241022	43.86	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	256953	49.02	ug/l	100
22) Diisopropyl ether	6.37	45	682767	50.25	ug/l	100
23) Vinyl Acetate	6.31	43	1929080	256.03	ug/l	100
24) 1,1-Dichloroethane	6.27	63	418846	48.53	ug/l	100
25) 2-Butanone	7.22	43	284685	234.73	ug/l	100
26) 2,2-Dichloropropane	7.21	77	361935	47.98	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	266204	49.52	ug/l	100
28) Bromochloromethane	7.55	49	166343	47.52	ug/l	100
29) Tetrahydrofuran	7.57	42	188102	241.43	ug/l	100
30) Chloroform	7.71	83	421397	48.56	ug/l	100
31) Cyclohexane	7.98	56	410463	47.80	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	387736	48.68	ug/l	100
36) 1,1-Dichloropropene	8.11	75	349643	50.55	ug/l	100
37) Ethyl Acetate	7.30	43	129020	47.66	ug/l	100
38) Carbon Tetrachloride	8.10	117	355807	49.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	437089	52.89	ug/l	100
40) Benzene	8.36	78	981281	50.61	ug/l	100
41) Methacrylonitrile	7.53	41	61075	44.39	ug/l	100
42) 1,2-Dichloroethane	8.43	62	247293	48.47	ug/l	100
43) Isopropyl Acetate	8.46	43	245223	49.50	ug/l	100
44) Trichloroethene	9.11	130	275241	50.57	ug/l	100
45) 1,2-Dichloropropane	9.39	63	235467	50.00	ug/l	100
46) Dibromomethane	9.48	93	122576	50.06	ug/l	100
47) Bromodichloromethane	9.67	83	318302	50.07	ug/l	100
48) Methyl methacrylate	9.46	41	115345	49.21	ug/l	100
49) 1,4-Dioxane	9.47	88	27952	991.78	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	629022	251.04	ug/l	100
52) Toluene	10.41	92	628958	51.43	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	300742	50.28	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	368135	50.97	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	168898	48.78	ug/l	100
56) Ethyl methacrylate	10.67	69	202507	51.58	ug/l	100
57) 1,3-Dichloropropane	10.95	76	289339	49.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	276532	198.14	ug/l	100
59) 2-Hexanone	10.99	43	441617	254.24	ug/l	100
60) Dibromochloromethane	11.14	129	219174	49.16	ug/l	100
61) 1,2-Dibromoethane	11.25	107	161206	48.74	ug/l	100
64) Tetrachloroethene	10.88	164	234171	50.14	ug/l	100
65) Chlorobenzene	11.68	112	645026	49.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	233881	49.52	ug/l	100
67) Ethyl Benzene	11.75	91	1169043	52.43	ug/l	100
68) m/p-Xylenes	11.86	106	908953	105.73	ug/l	100
69) o-Xylene	12.19	106	402159	53.19	ug/l	100
70) Styrene	12.20	104	706022	52.93	ug/l	100
71) Bromoform	12.37	173	128137	48.10	ug/l	100
73) Isopropylbenzene	12.48	105	1109602	53.94	ug/l	100
74) N-amyl acetate	12.30	43	217701	51.25	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	177727	48.71	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	231512	53.52	ug/l #	100
77) Bromobenzene	12.77	156	260944	50.59	ug/l	100
78) n-propylbenzene	12.83	91	1307893	53.43	ug/l	100
79) 2-Chlorotoluene	12.91	91	716155	52.00	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	914413	54.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58647	49.97	ug/l	100
82) 4-Chlorotoluene	13.01	91	753705	51.91	ug/l	100
83) tert-Butylbenzene	13.23	119	759409	53.11	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	904382	54.10	ug/l	100
85) sec-Butylbenzene	13.41	105	1100008	53.90	ug/l	100
86) p-Isopropyltoluene	13.53	119	1015180	54.50	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	496688	50.42	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	489510	49.82	ug/l	100
89) n-Butylbenzene	13.86	91	936692	54.49	ug/l	100
90) Hexachloroethane	14.12	117	196420	51.06	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419627	49.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26622	47.53	ug/l	100

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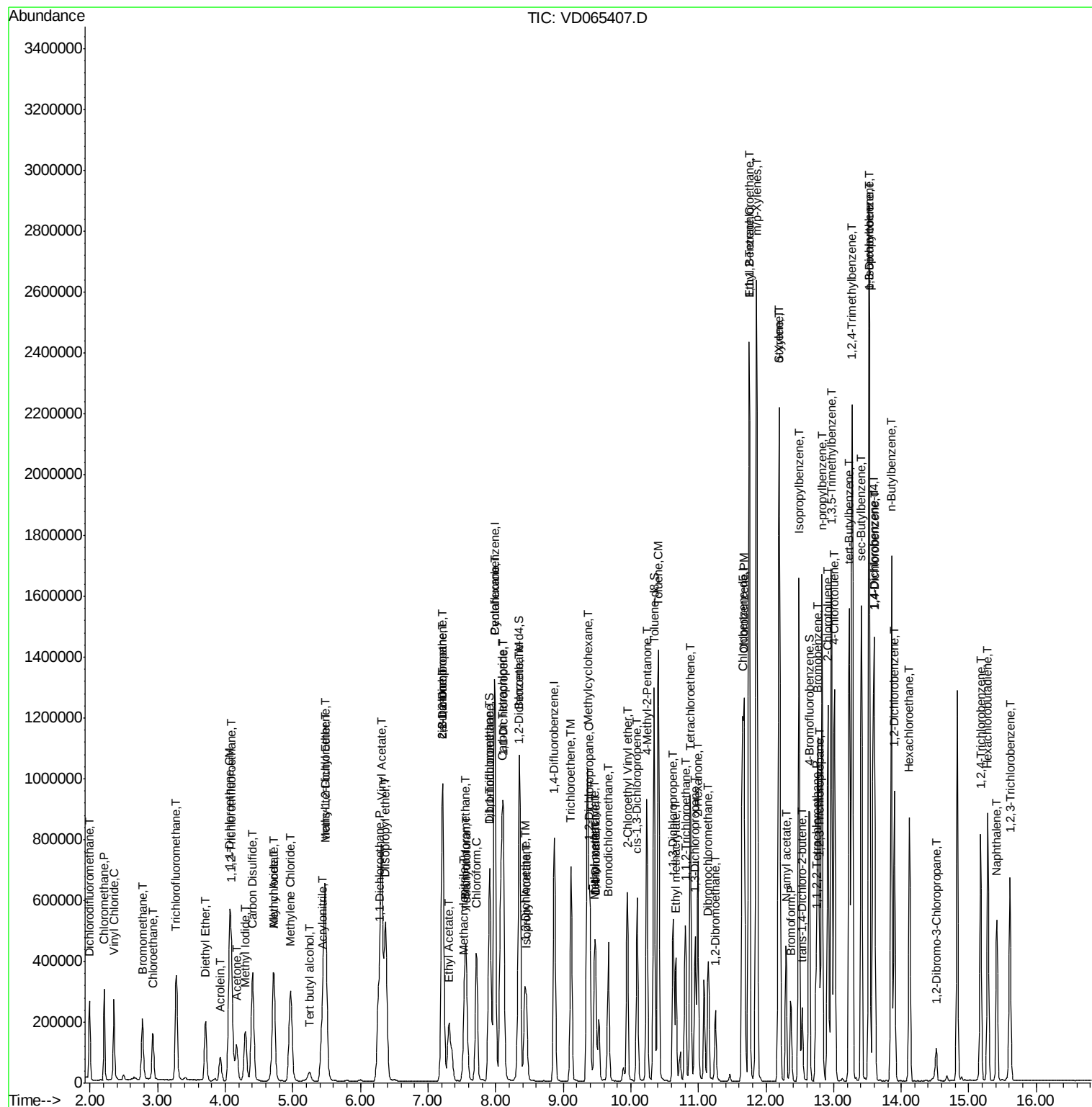
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	289705	51.00	ug/l	100
94) Hexachlorobutadiene	15.28	225	189644	51.04	ug/l	100
95) Naphthalene	15.41	128	472900	51.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	252322	51.14	ug/l	100

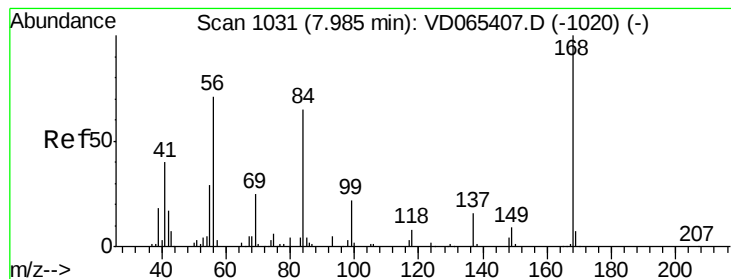
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD030420\
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

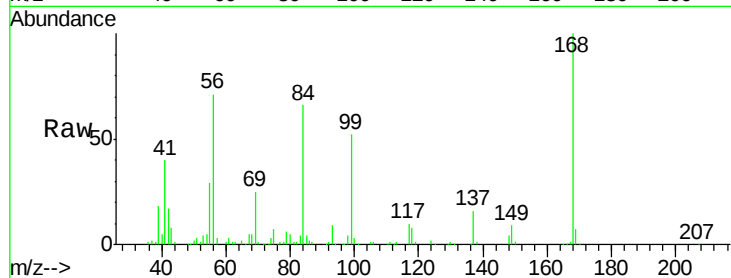
VSTDICCC050

Tgt Ion:168 Resp: 503903

Ion Ratio Lower Upper

168 100

99 51.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

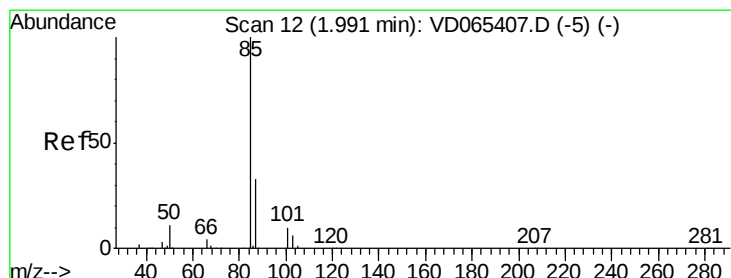
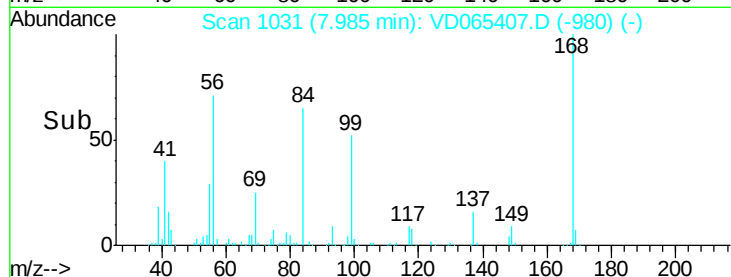
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.56 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065407.D

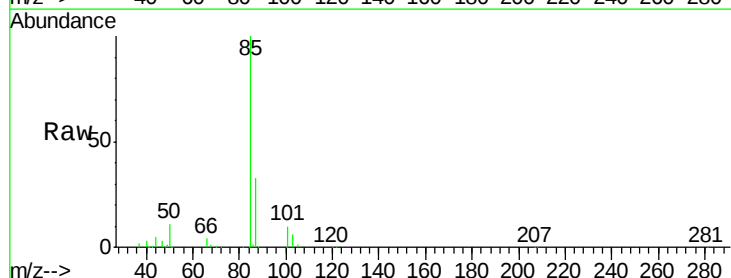
Acq: 04 Mar 2020 12:00

Tgt Ion: 85 Resp: 199052

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

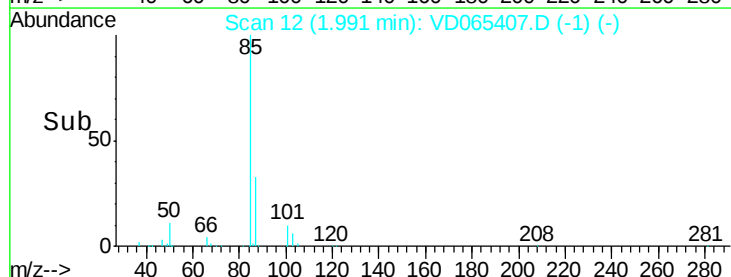
100000

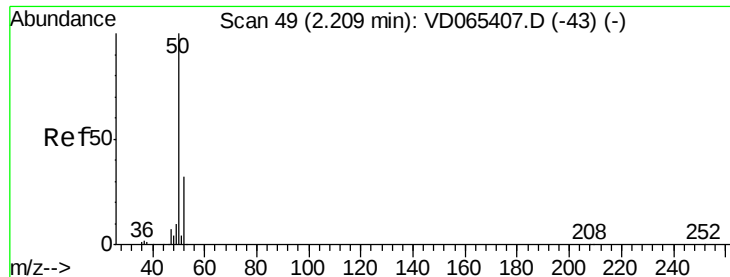
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 45.51 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

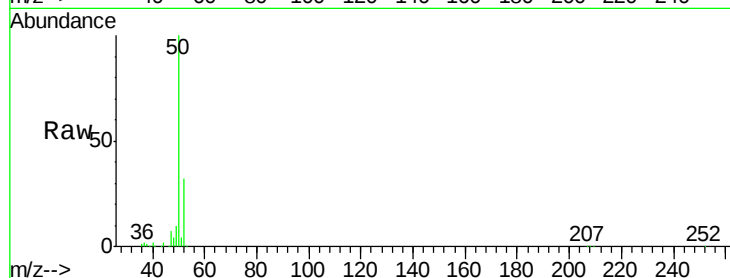
VSTDICCC050

Tgt Ion: 50 Resp: 238198

Ion Ratio Lower Upper

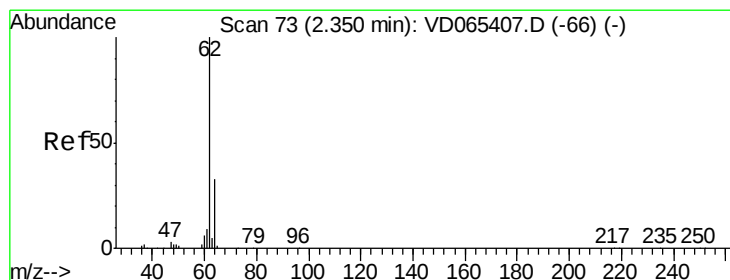
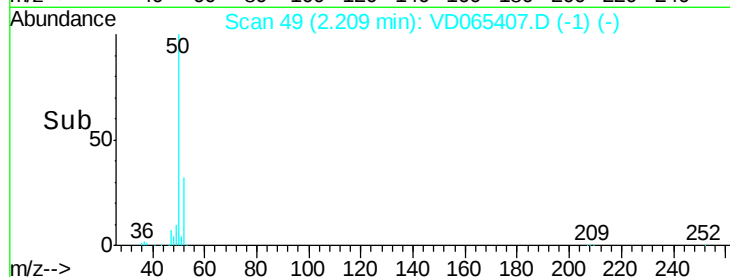
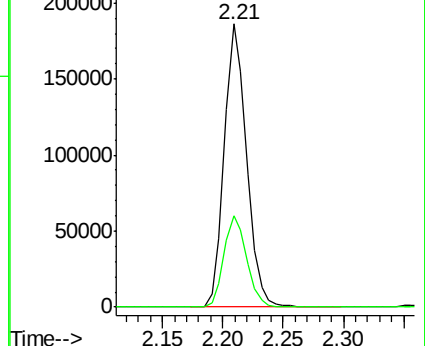
50 100

52 32.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.92 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065407.D

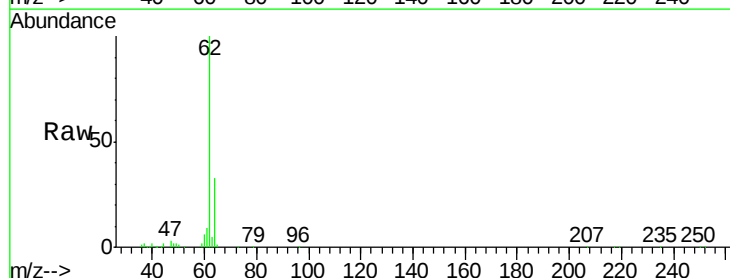
Acq: 04 Mar 2020 12:00

Tgt Ion: 62 Resp: 247990

Ion Ratio Lower Upper

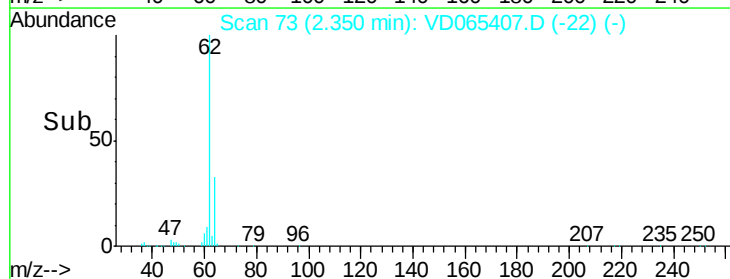
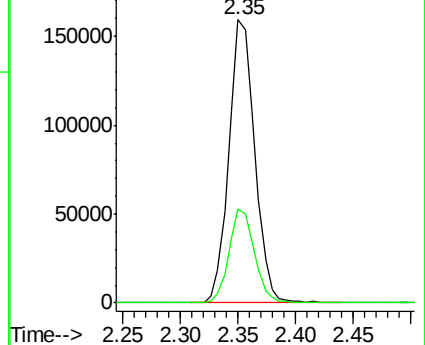
62 100

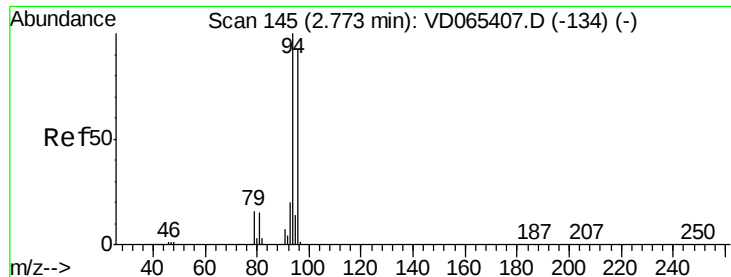
64 33.2 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.03 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

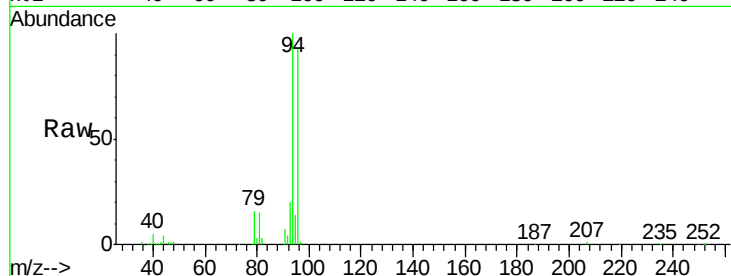
VSTDICCC050

Tgt Ion: 94 Resp: 153080

Ion Ratio Lower Upper

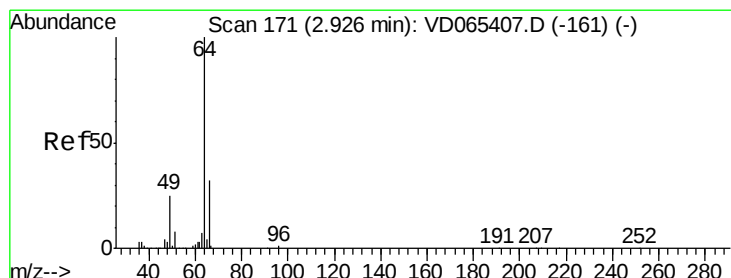
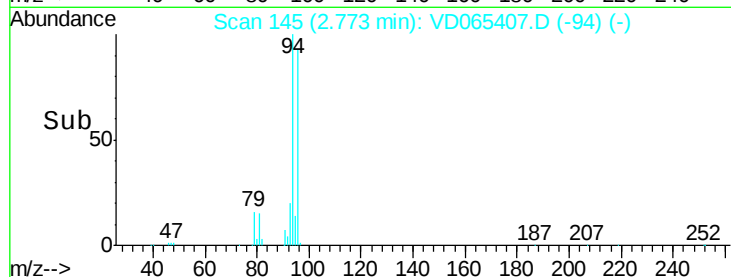
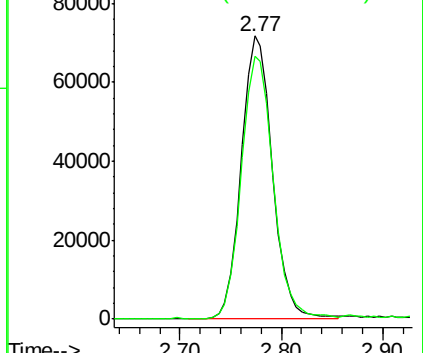
94 100

96 93.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.66 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065407.D

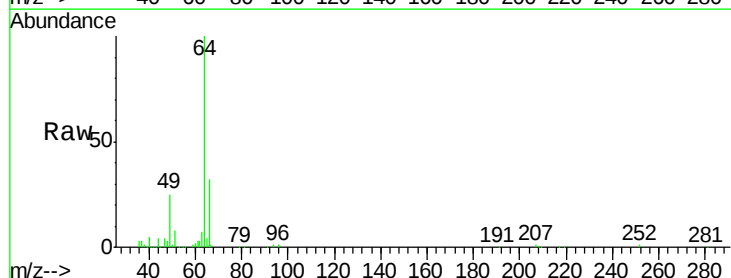
Acq: 04 Mar 2020 12:00

Tgt Ion: 64 Resp: 153708

Ion Ratio Lower Upper

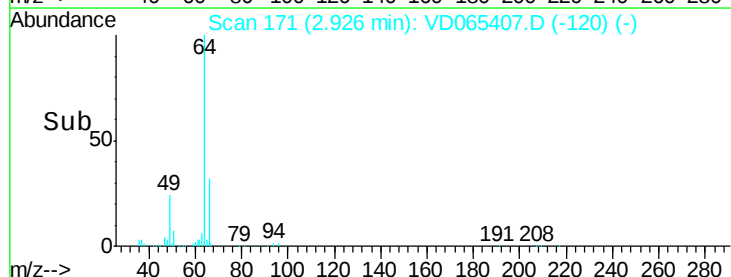
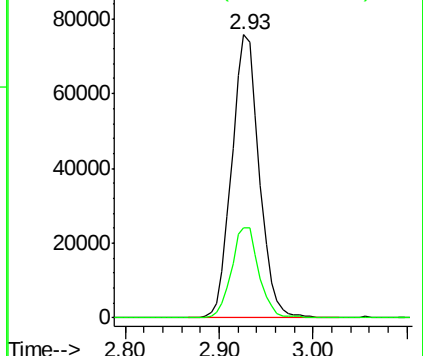
64 100

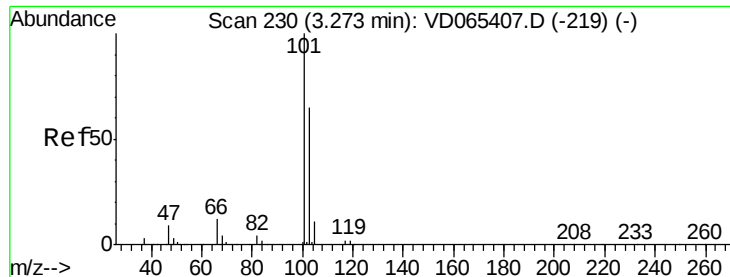
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 47.38 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

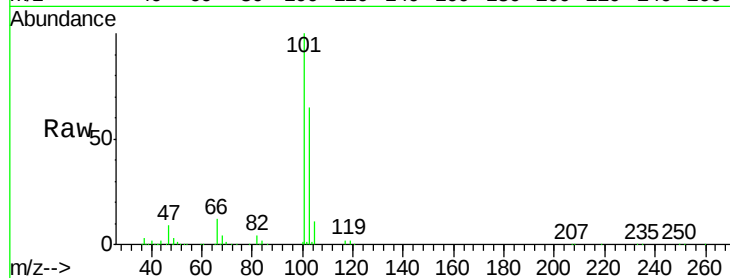
VSTDICCC050

Tgt Ion:101 Resp: 361546

Ion Ratio Lower Upper

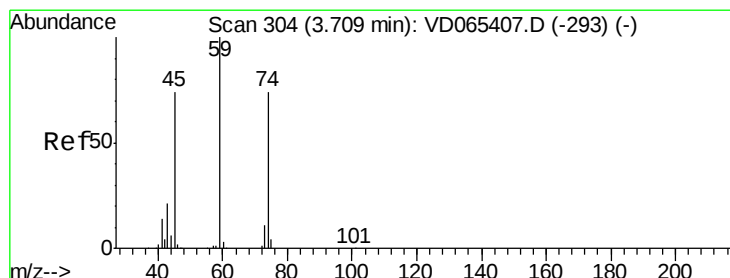
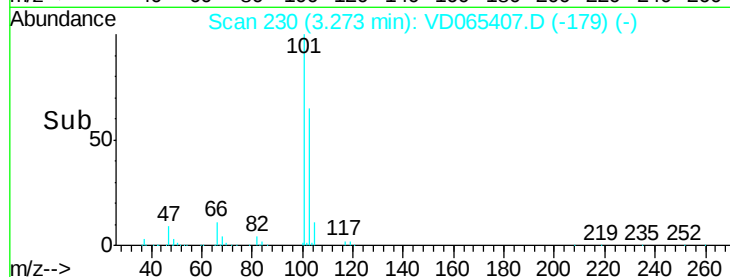
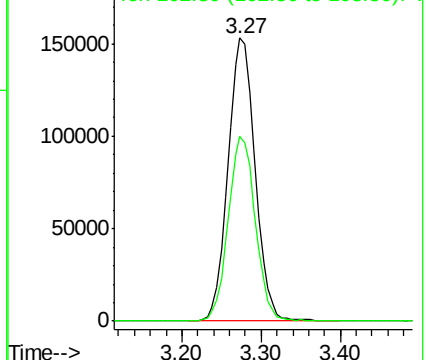
101 100

103 65.1 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.36 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065407.D

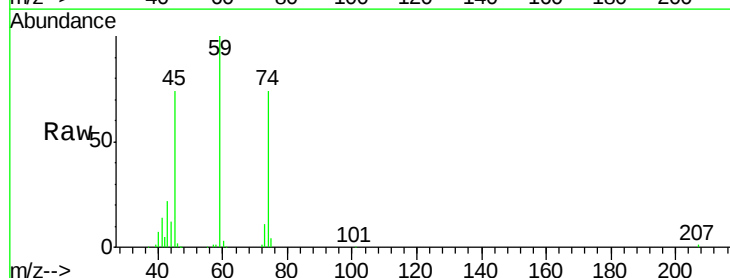
Acq: 04 Mar 2020 12:00

Tgt Ion: 74 Resp: 107905

Ion Ratio Lower Upper

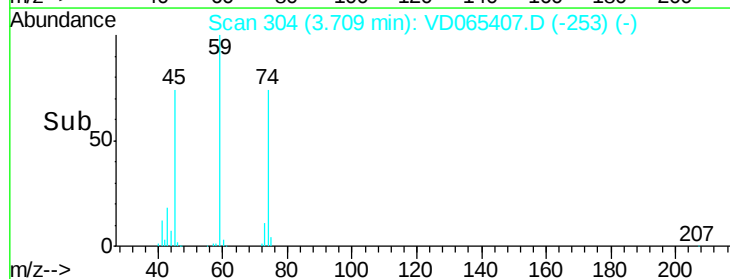
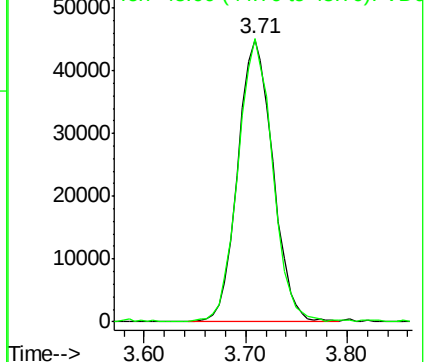
74 100

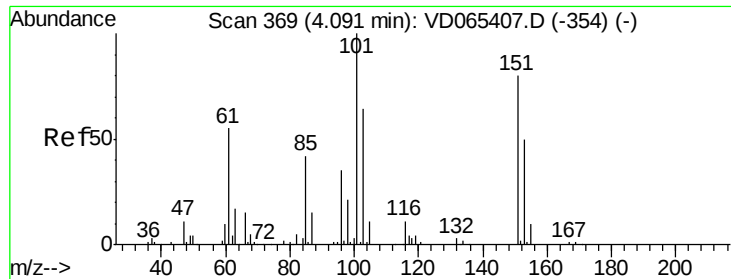
45 99.0 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.03 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

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VSTDICCC050

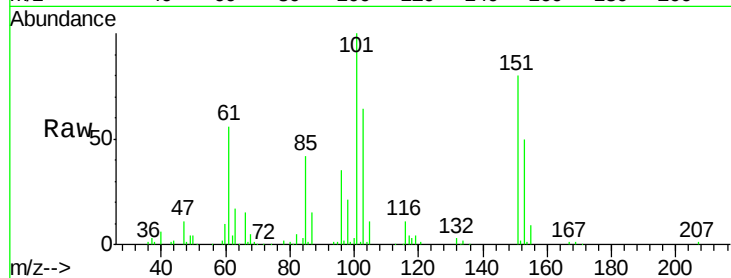
Tgt Ion:101 Resp: 230990

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

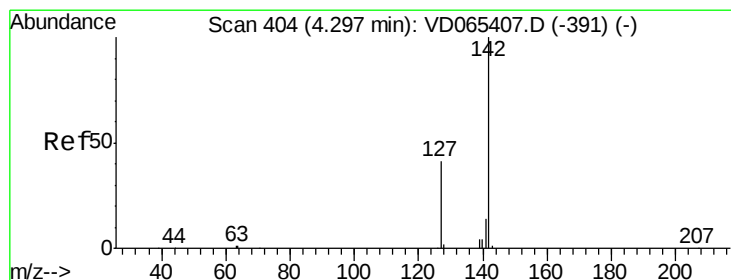
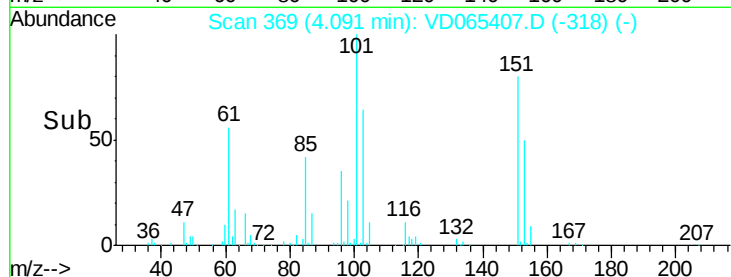
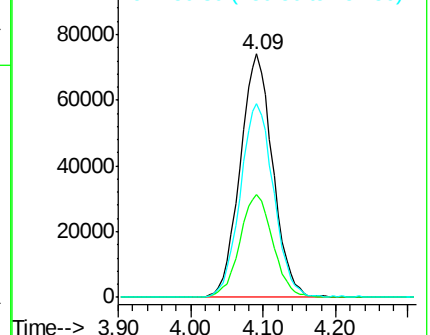
151 81.4 65.1 97.7



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: 54.45 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

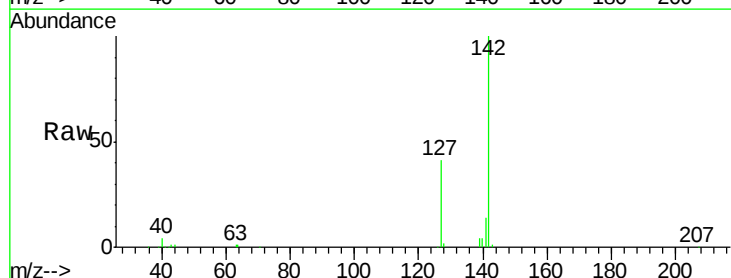
Tgt Ion:142 Resp: 276129

Ion Ratio Lower Upper

142 100

127 43.8 35.0 52.6

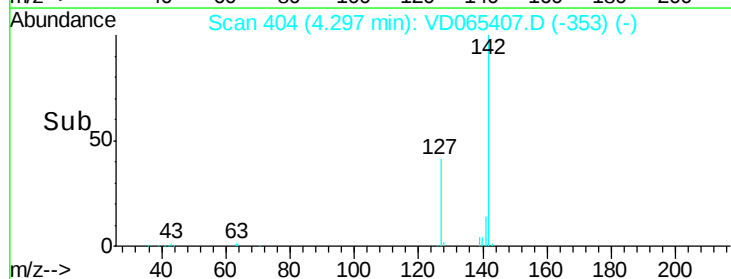
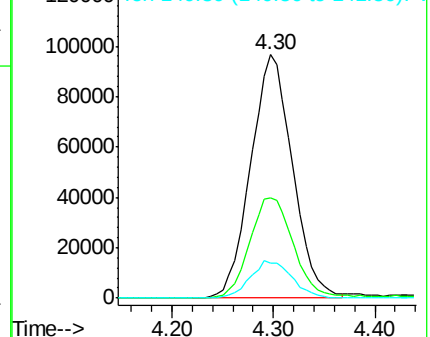
141 15.5 12.4 18.6

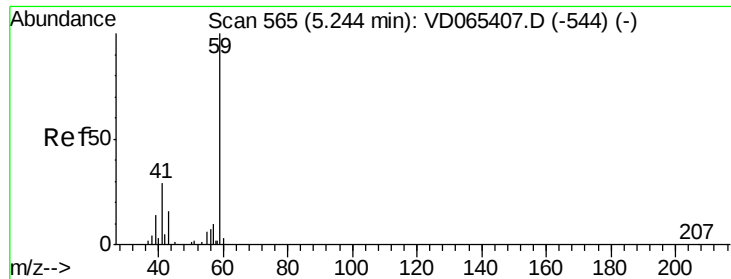


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

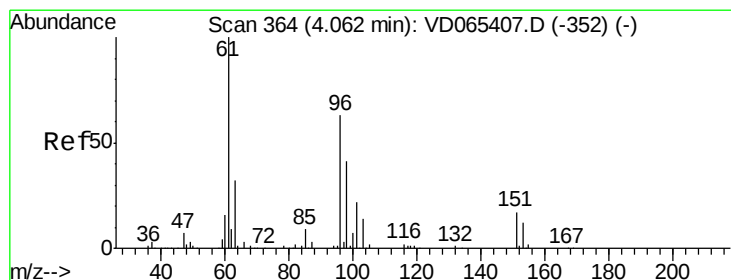
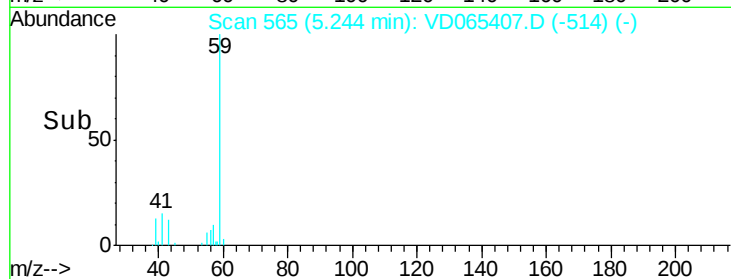
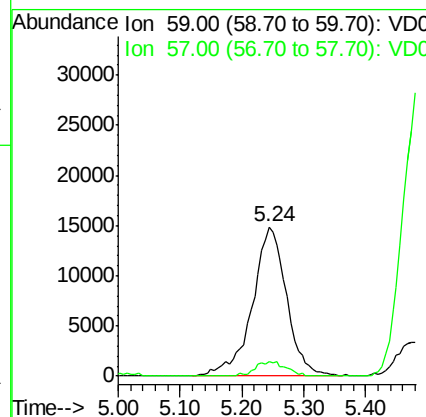
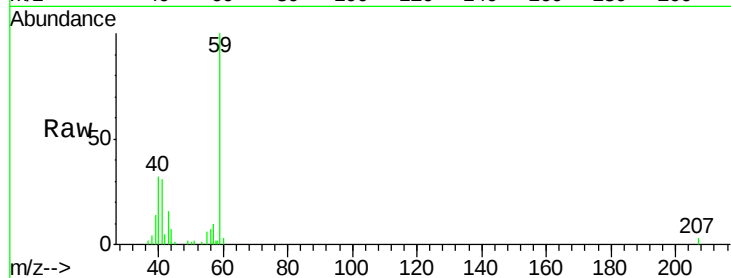




#11
Tert butyl alcohol
Concen: 244.42 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

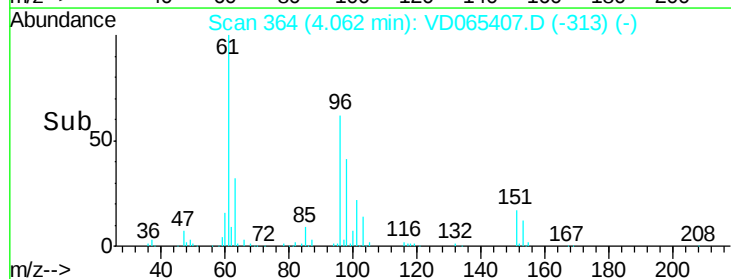
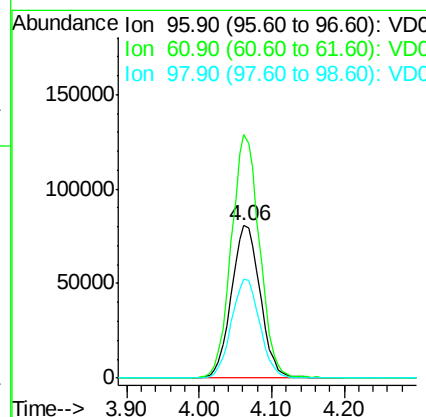
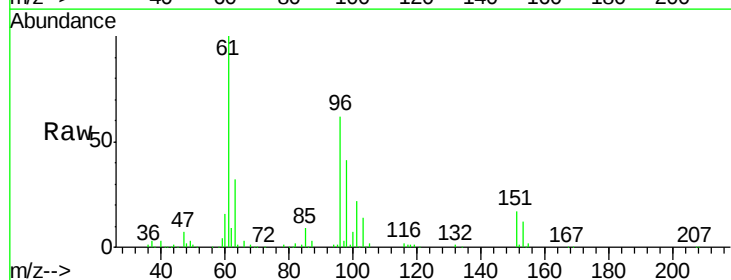
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

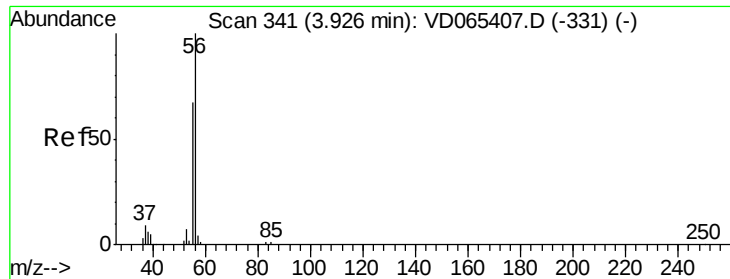
Tgt Ion: 59 Resp: 57450
Ion Ratio Lower Upper
59 100
57 8.6 6.9 10.3



#12
1,1-Dichloroethene
Concen: 47.54 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 96 Resp: 223438
Ion Ratio Lower Upper
96 100
61 160.0 128.0 192.0
98 64.9 51.9 77.9





#13

Acrolein

Concen: 224.97 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

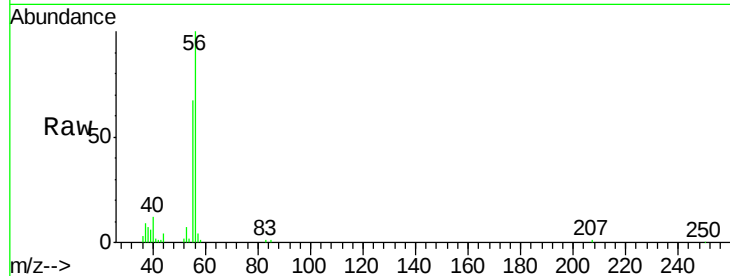
VSTDICCC050

Tgt Ion: 56 Resp: 96474

Ion Ratio Lower Upper

56 100

55 70.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

30000

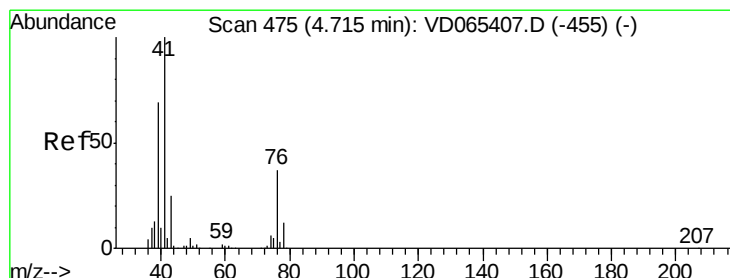
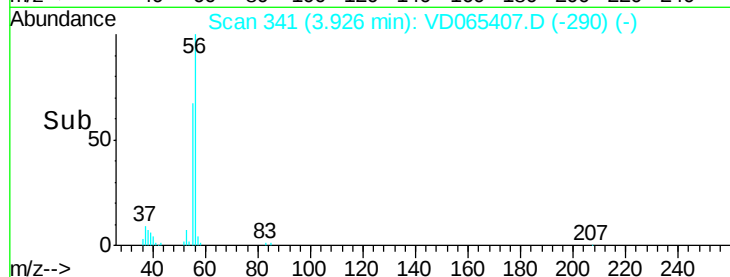
20000

10000

0

Time-->

3.80 3.90 4.00 4.10



#14

Allyl chloride

Concen: 48.98 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

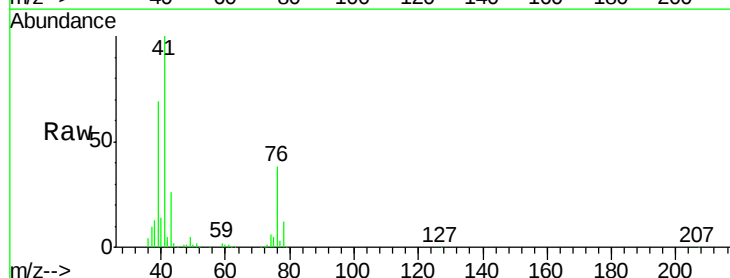
Tgt Ion: 41 Resp: 354656

Ion Ratio Lower Upper

41 100

39 65.8 52.6 79.0

76 36.5 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

150000

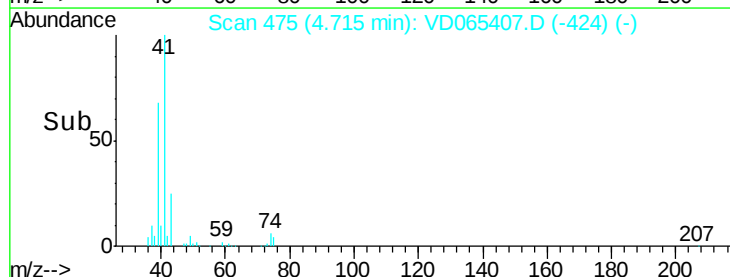
100000

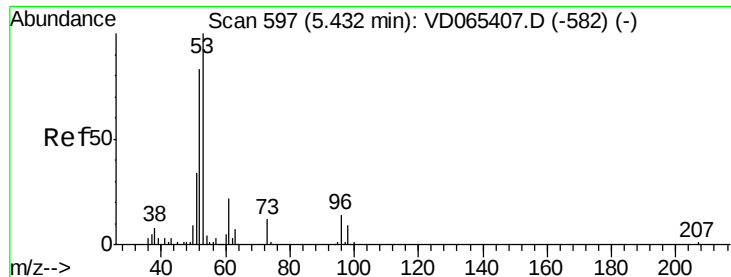
50000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 235.35 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

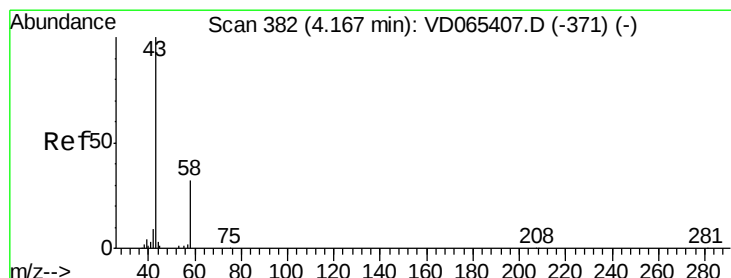
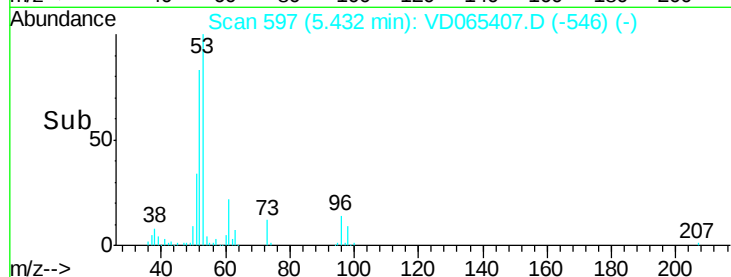
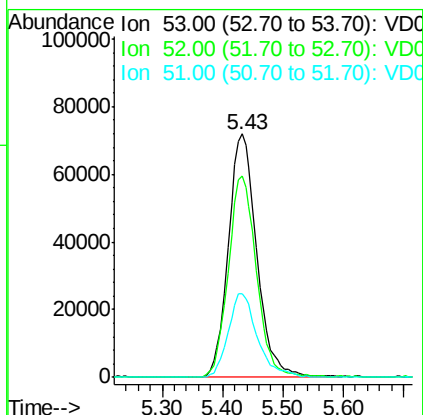
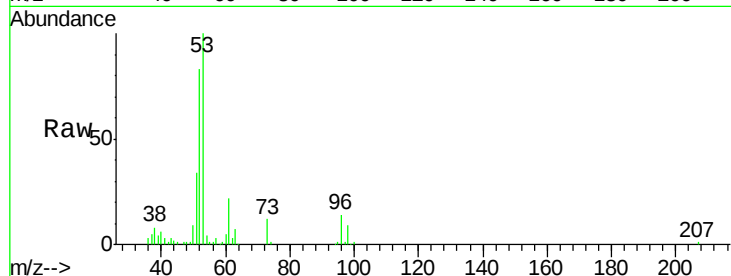
Tgt Ion: 53 Resp: 235575

Ion Ratio Lower Upper

53 100

52 81.4 65.1 97.7

51 35.6 28.5 42.7



#16

Acetone

Concen: 224.53 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065407.D

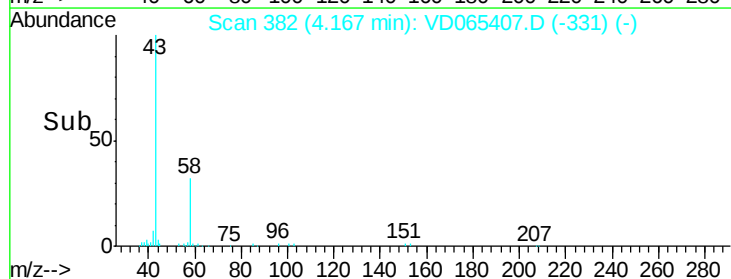
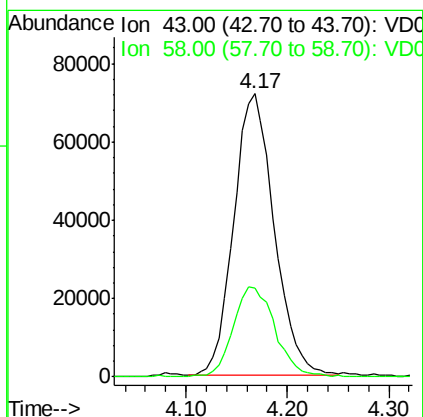
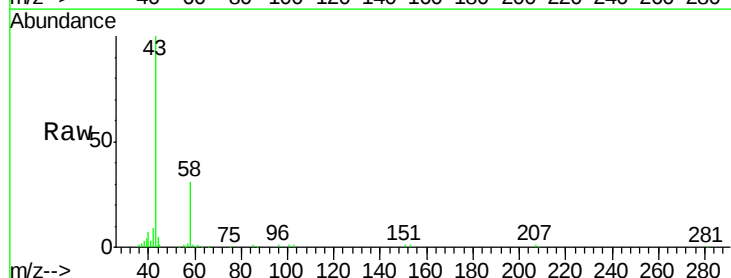
Acq: 04 Mar 2020 12:00

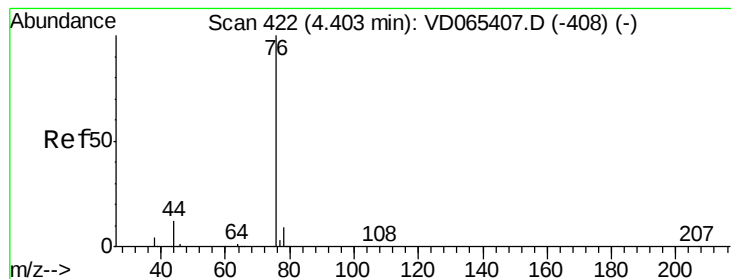
Tgt Ion: 43 Resp: 199040

Ion Ratio Lower Upper

43 100

58 31.4 25.1 37.7





#17

Carbon Disulfide

Concen: 48.26 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

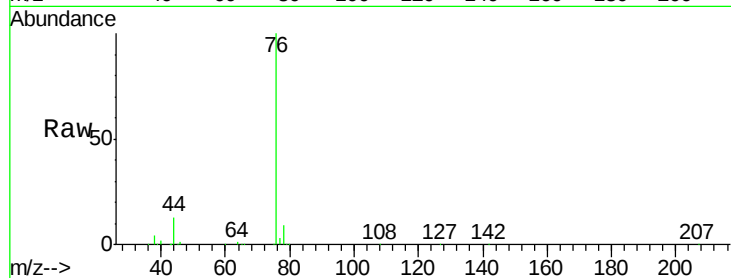
VSTDICCC050

Tgt Ion: 76 Resp: 757138

Ion Ratio Lower Upper

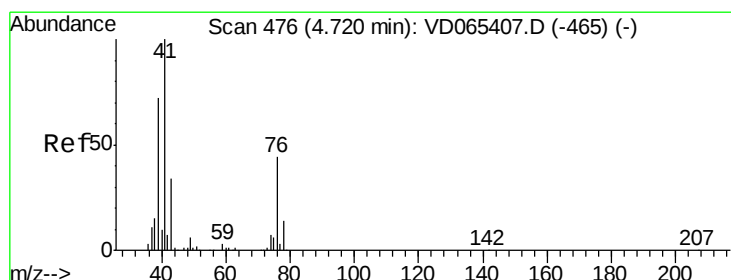
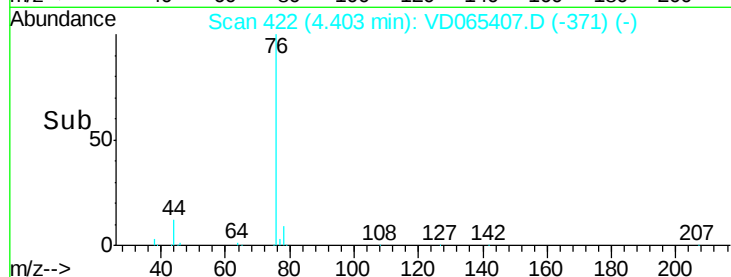
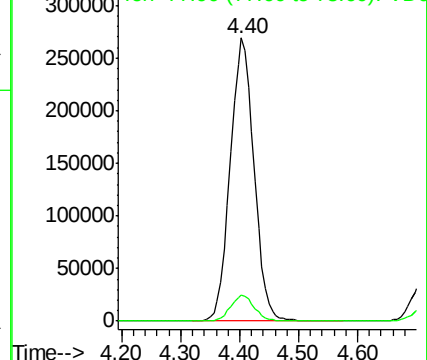
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.37 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065407.D

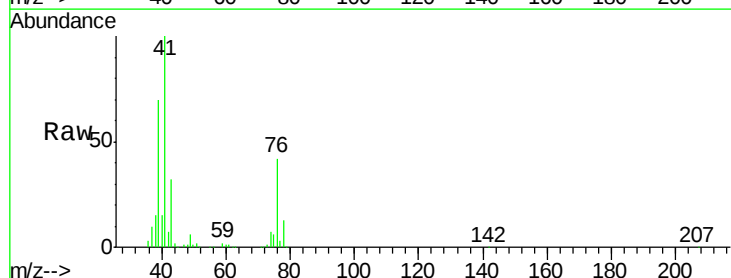
Acq: 04 Mar 2020 12:00

Tgt Ion: 43 Resp: 102830

Ion Ratio Lower Upper

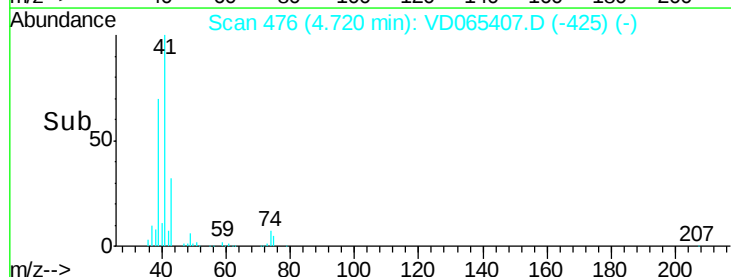
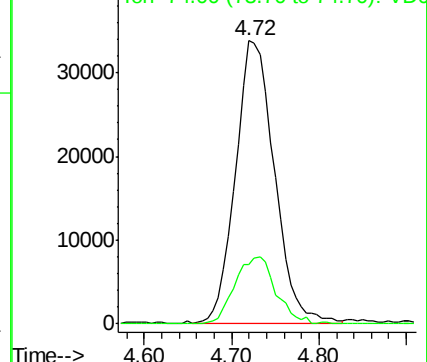
43 100

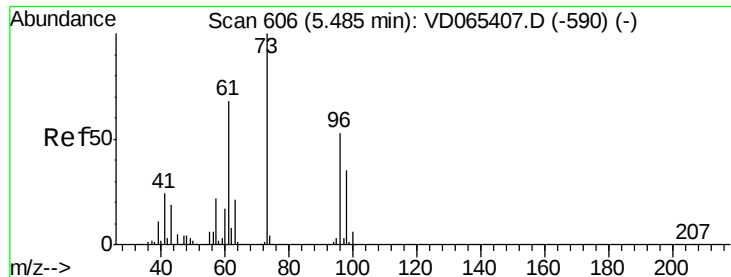
74 24.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

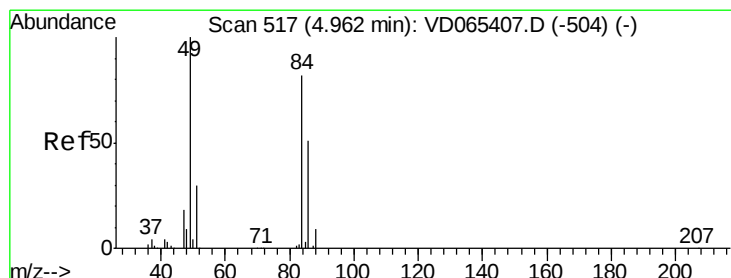
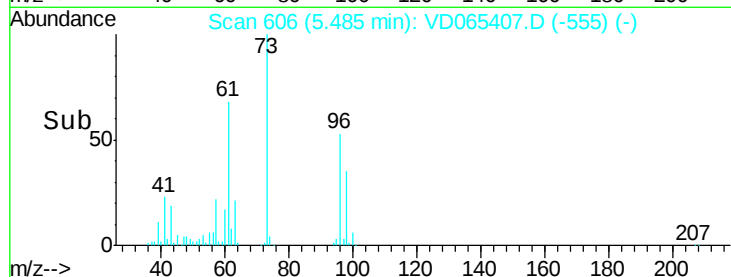
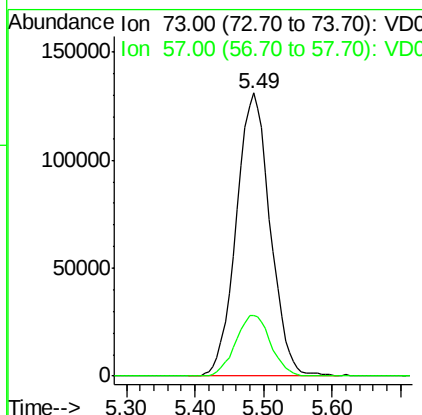
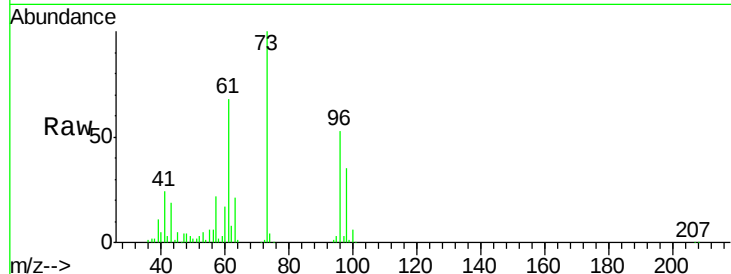




#19
Methyl tert-butyl Ether
Concen: 49.43 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

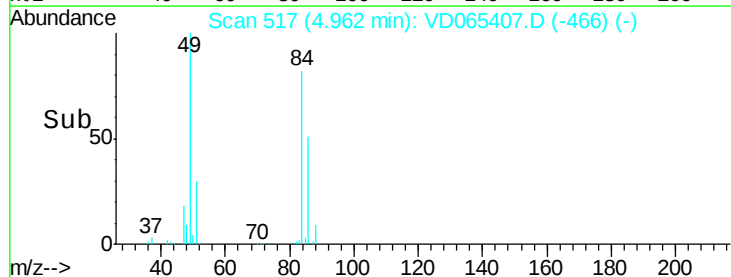
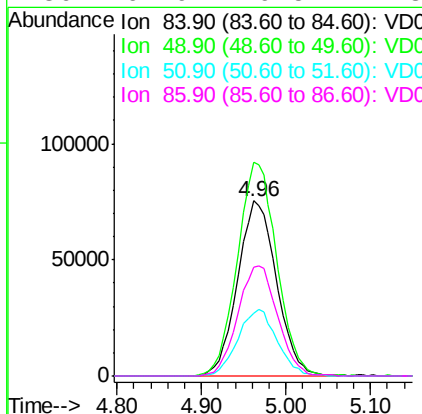
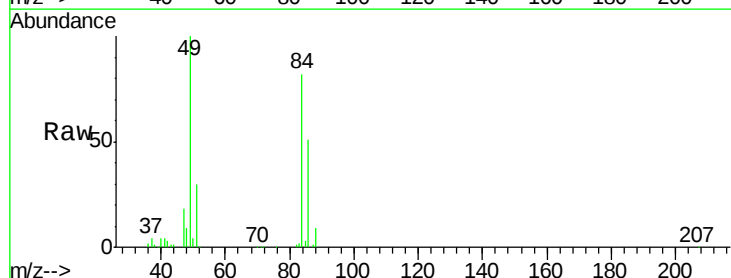
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

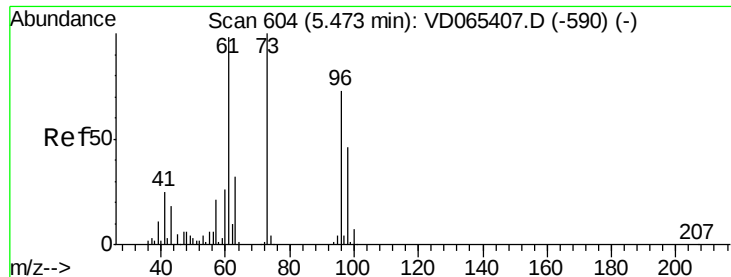
Tgt Ion: 73 Resp: 451535
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9



#20
Methylene Chloride
Concen: 43.86 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 84 Resp: 241022
Ion Ratio Lower Upper
84 100
49 122.1 97.7 146.5
51 36.0 28.8 43.2
86 61.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 49.02 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

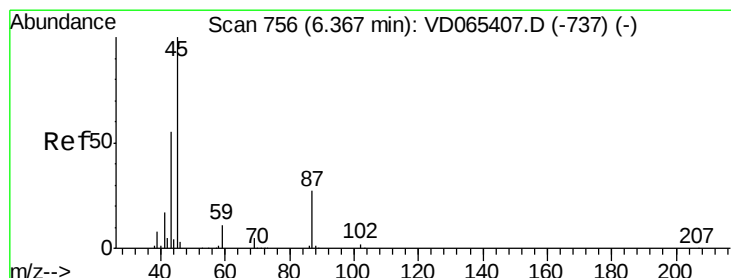
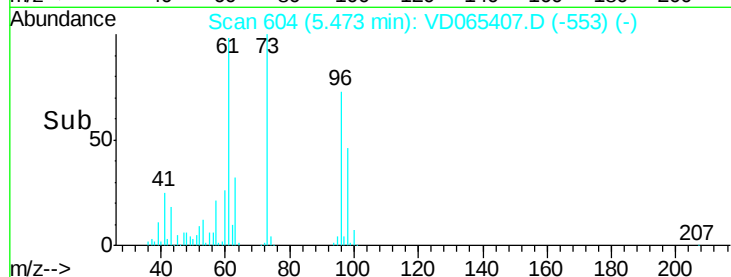
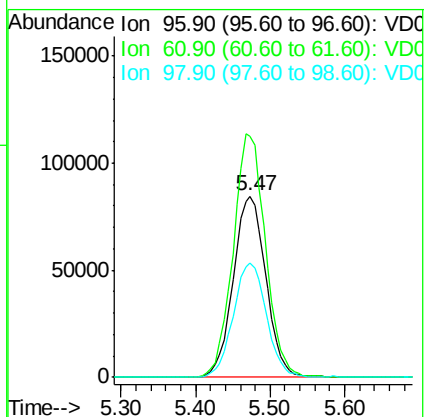
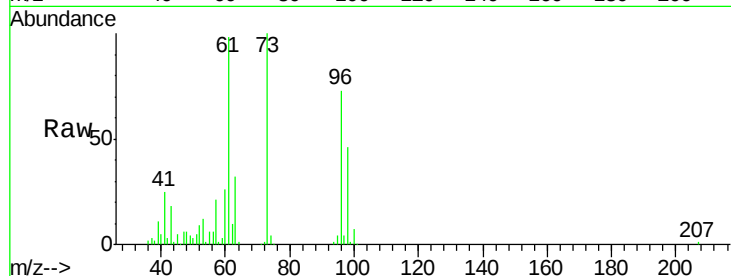
Tgt Ion: 96 Resp: 256953

Ion Ratio Lower Upper

96 100

61 132.9 106.3 159.5

98 62.8 50.2 75.4



#22

Diisopropyl ether

Concen: 50.25 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion: 45 Resp: 682767

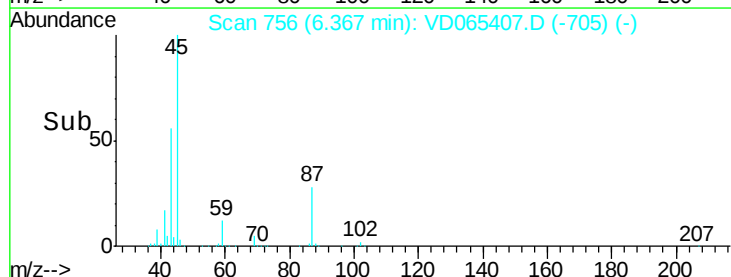
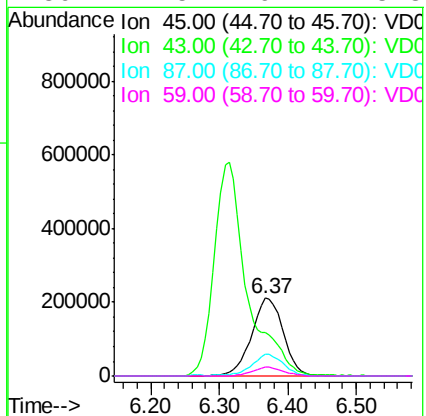
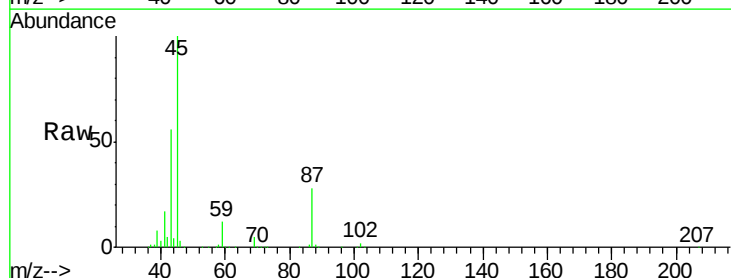
Ion Ratio Lower Upper

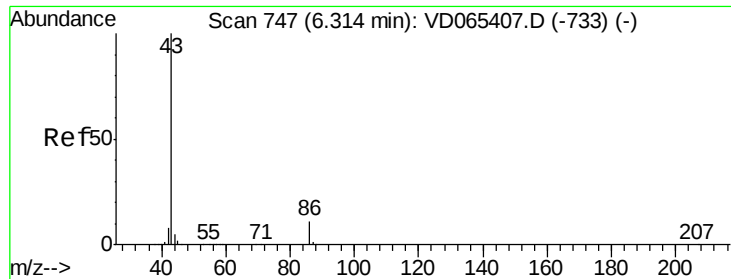
45 100

43 55.5 44.4 66.6

87 27.4 21.9 32.9

59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 256.03 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

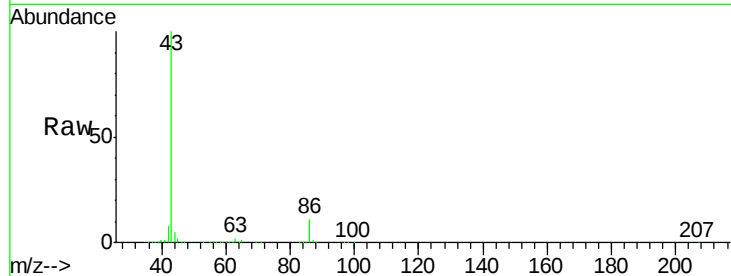
VSTDICCC050

Tgt Ion: 43 Resp: 1929080

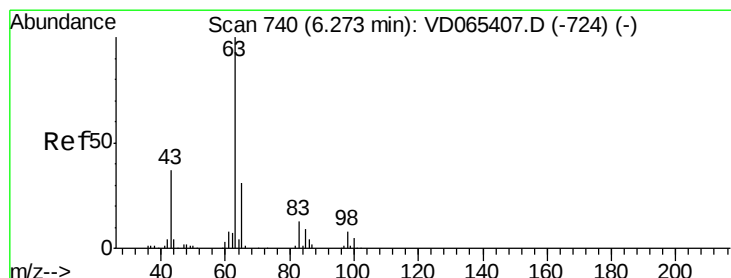
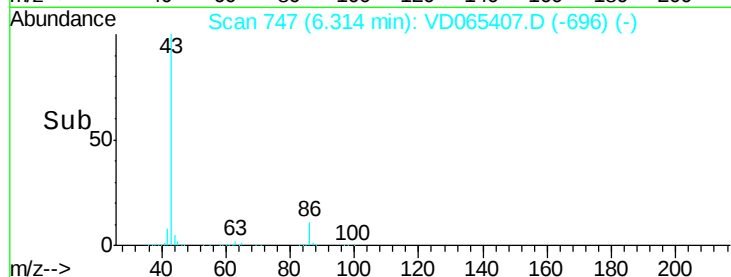
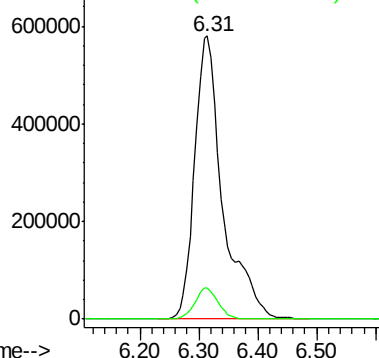
Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.53 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

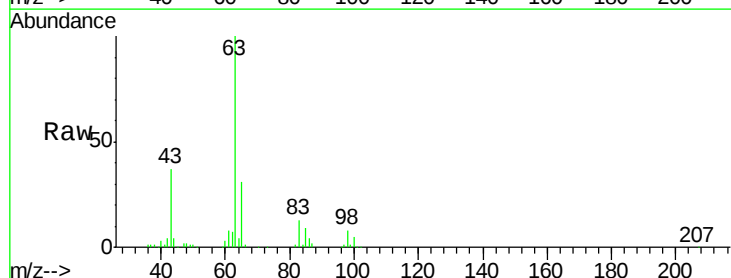
Tgt Ion: 63 Resp: 418846

Ion Ratio Lower Upper

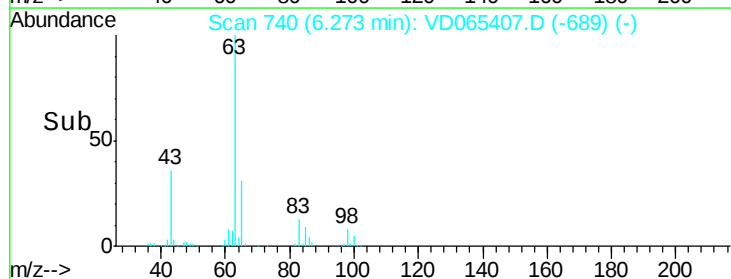
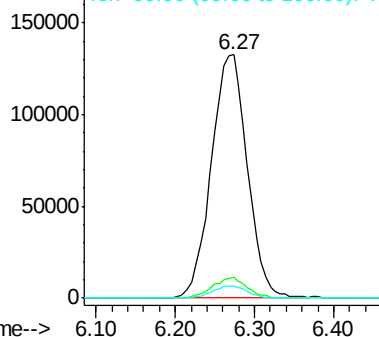
63 100

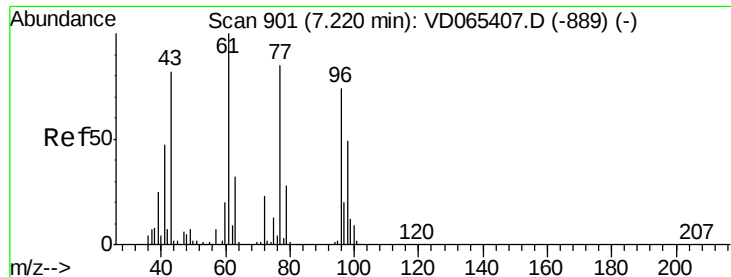
98 8.4 4.2 12.6

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC

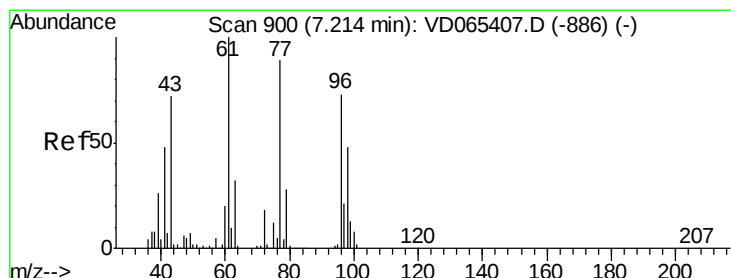
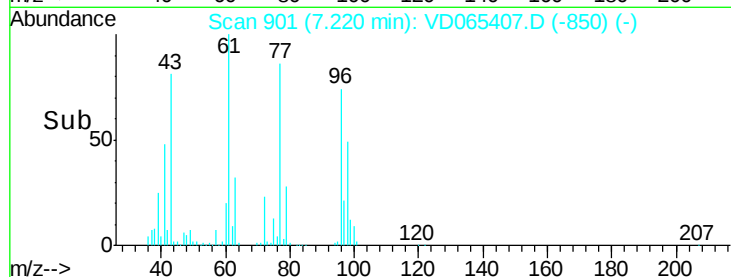
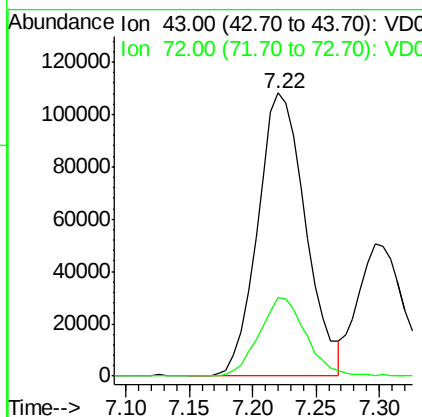
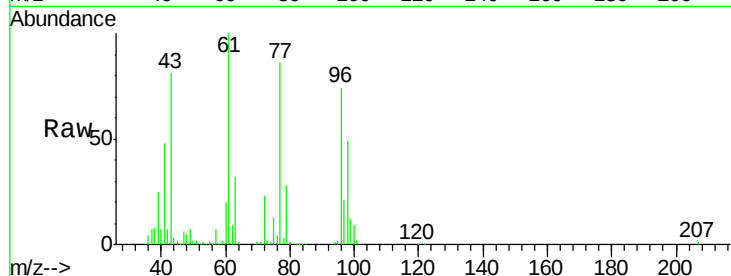




#25
2-Butanone
Concen: 234.73 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

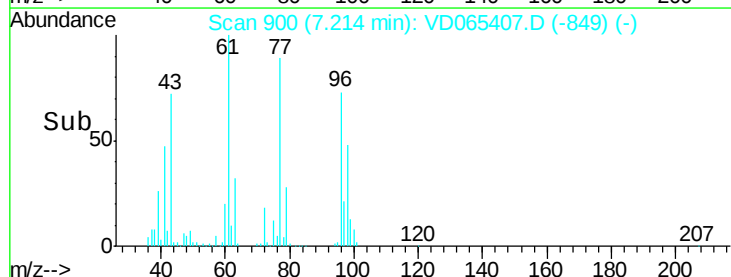
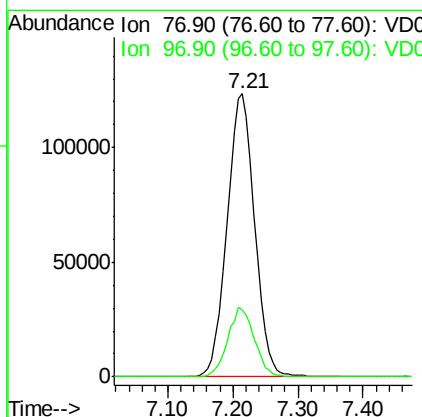
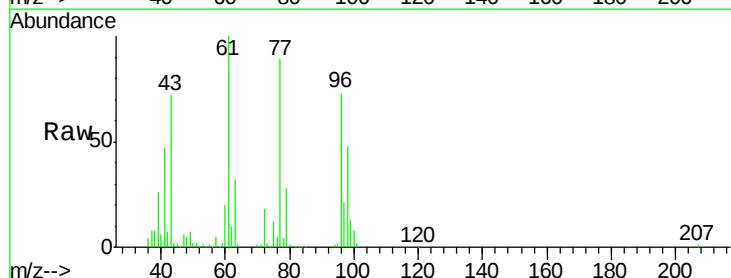
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

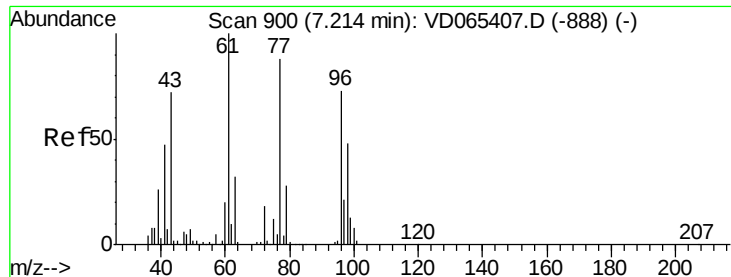
Tgt Ion: 43 Resp: 284685
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5



#26
2,2-Dichloropropane
Concen: 47.98 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 77 Resp: 361935
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 49.52 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

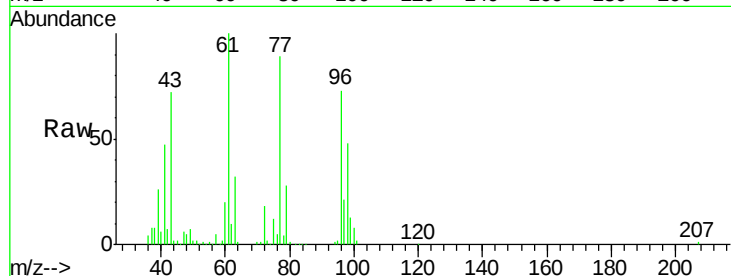
Tgt Ion: 96 Resp: 266204

Ion Ratio Lower Upper

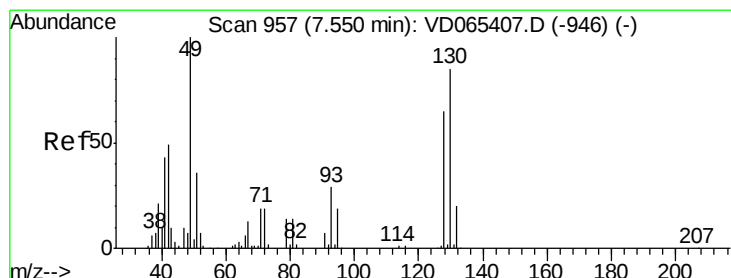
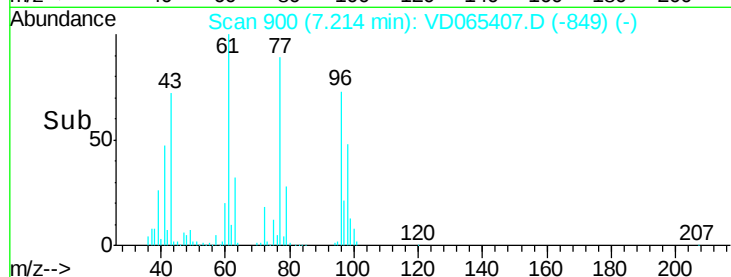
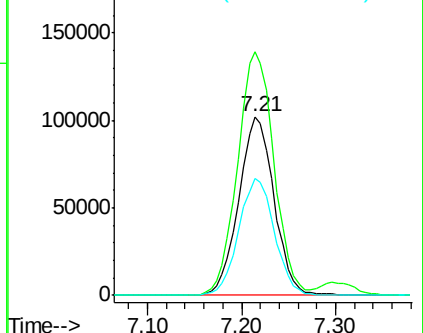
96 100

61 140.2 0.0 280.4

98 66.3 0.0 132.6



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



#28

Bromochloromethane

Concen: 47.52 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

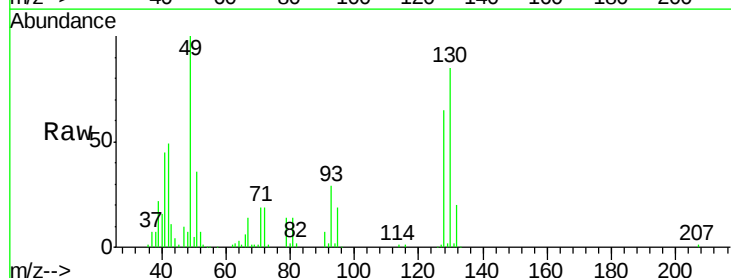
Tgt Ion: 49 Resp: 166343

Ion Ratio Lower Upper

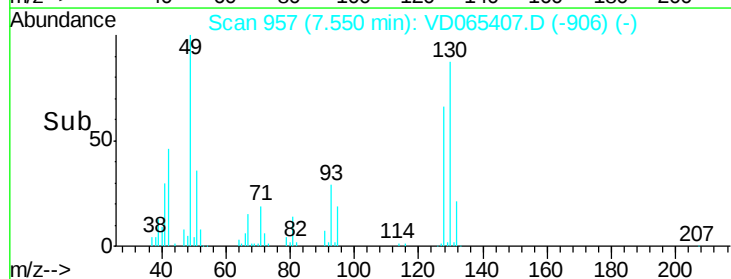
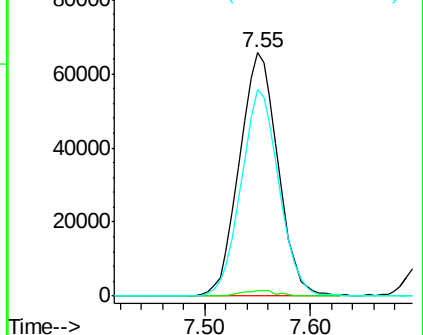
49 100

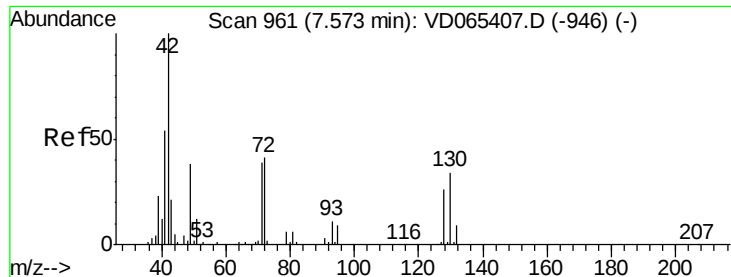
129 2.3 0.0 4.6

130 83.3 66.6 100.0



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

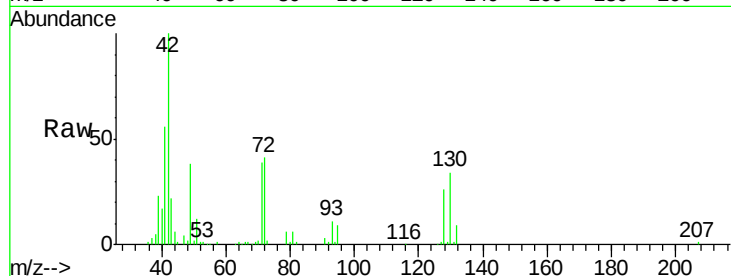




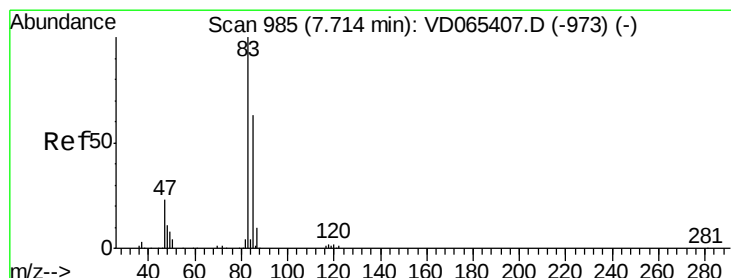
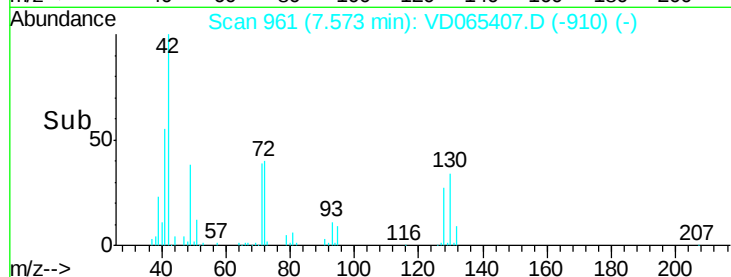
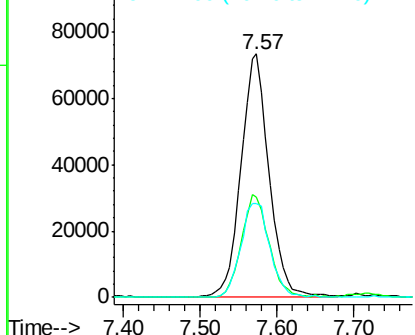
#29
Tetrahydrofuran
Concen: 241.43 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 188102
Ion Ratio Lower Upper
42 100
72 41.3 33.0 49.6
71 40.0 32.0 48.0

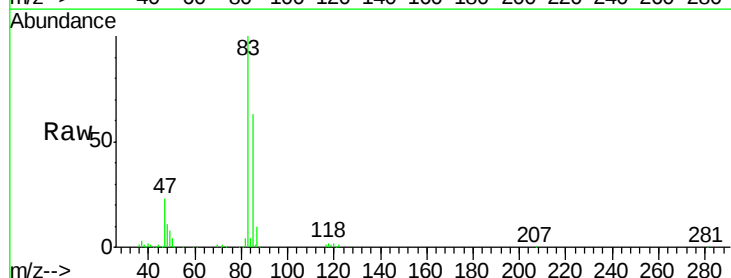


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

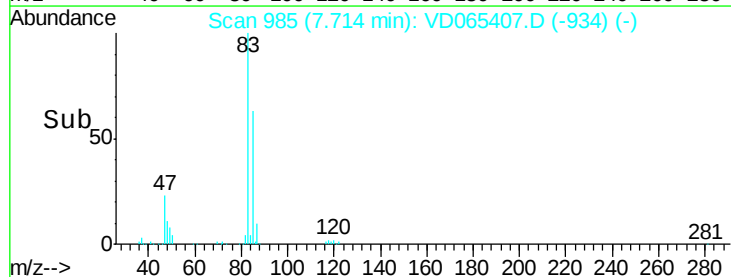
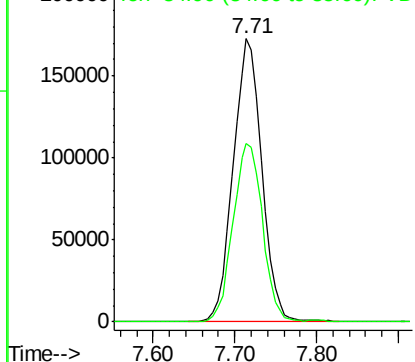


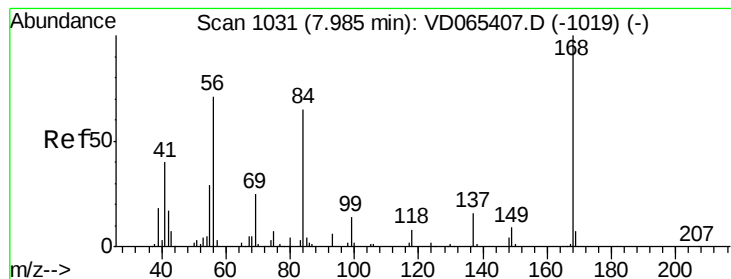
#30
Chloroform
Concen: 48.56 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 83 Resp: 421397
Ion Ratio Lower Upper
83 100
85 62.9 50.3 75.5



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





#31

Cyclohexane

Concen: 47.80 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

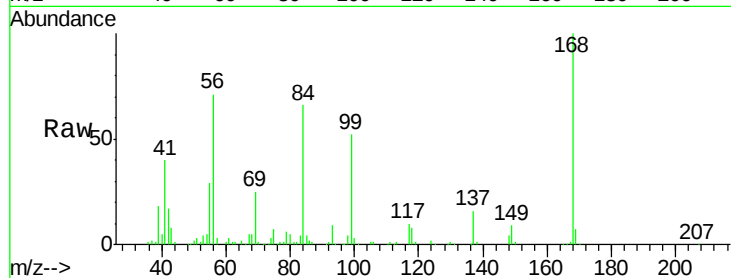
Tgt Ion: 56 Resp: 410463

Ion Ratio Lower Upper

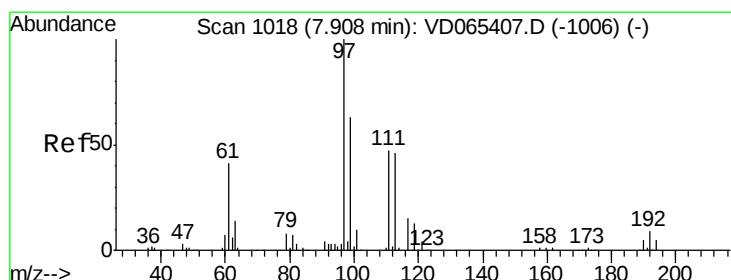
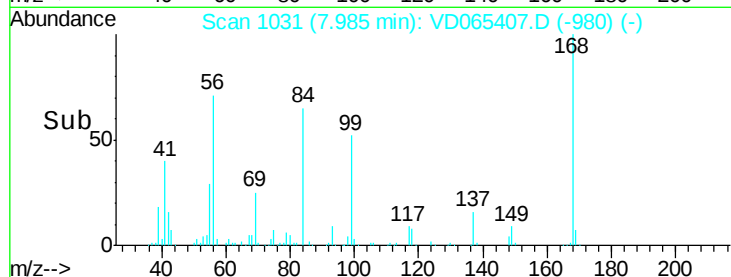
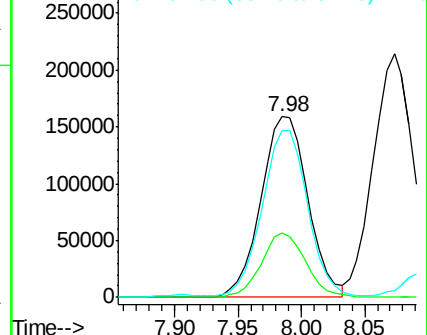
56 100

69 35.4 28.3 42.5

84 91.4 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 48.68 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

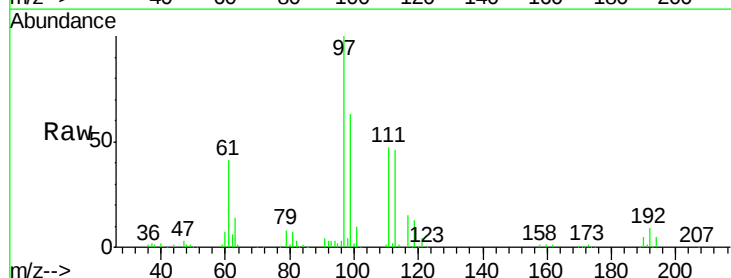
Tgt Ion: 97 Resp: 387736

Ion Ratio Lower Upper

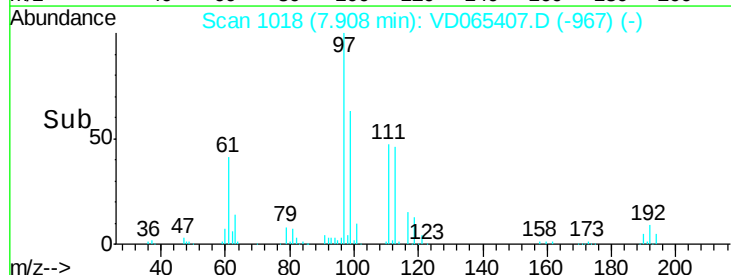
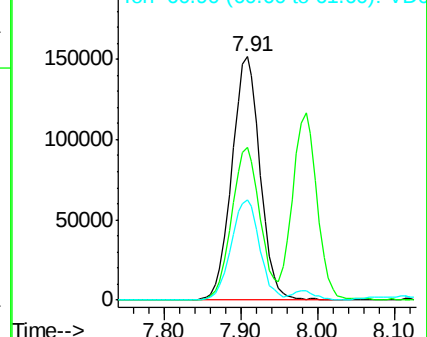
97 100

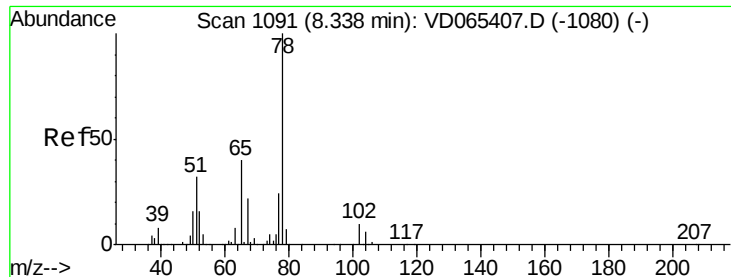
99 63.6 50.9 76.3

61 41.5 33.2 49.8



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

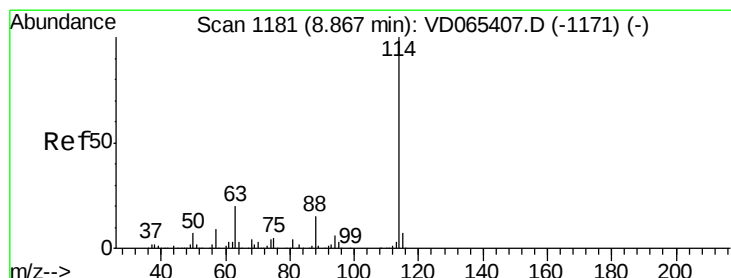
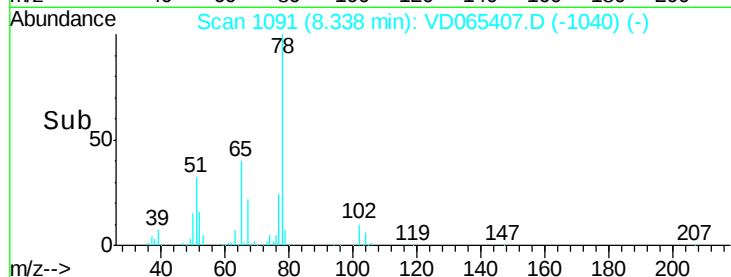
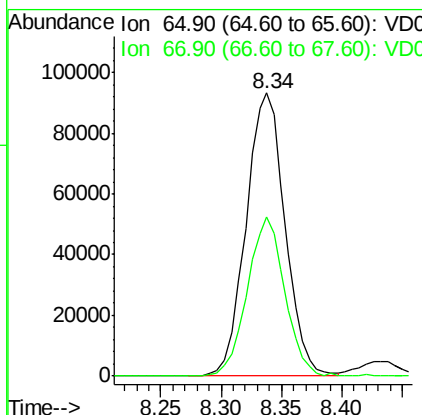
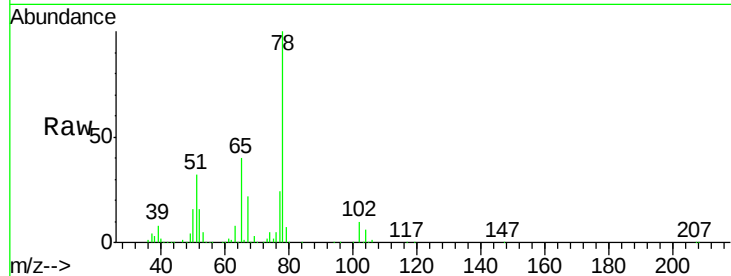




#33
 1,2-Dichloroethane-d4
 Concen: 48.12 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

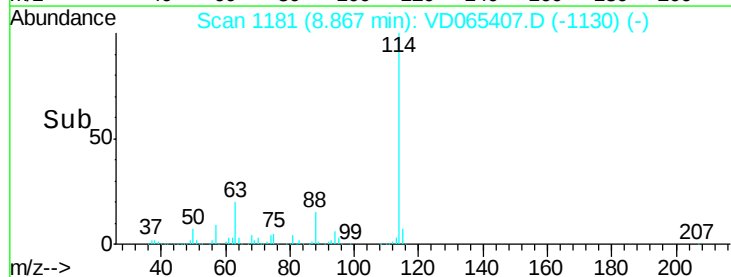
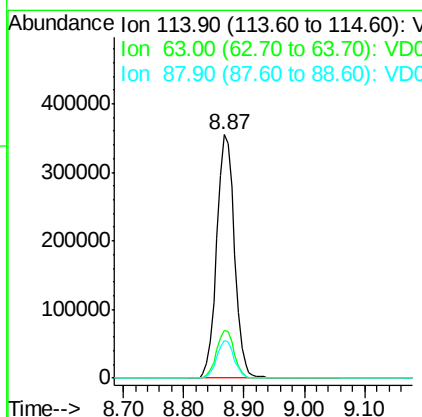
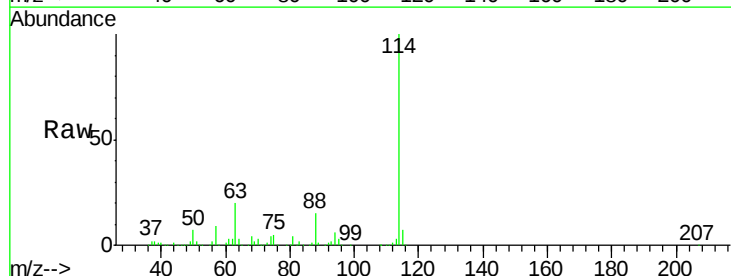
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 209166
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 114 Resp: 719223
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 15.2 0.0 30.4

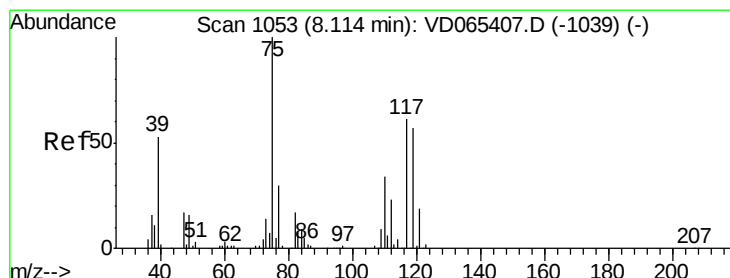
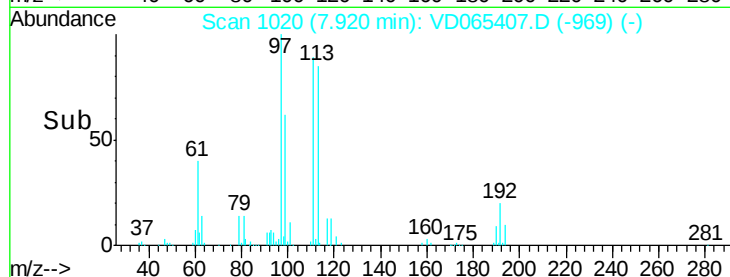
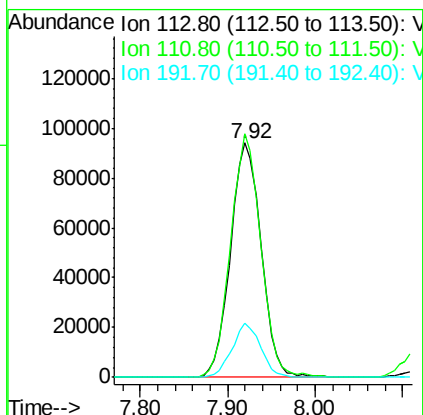
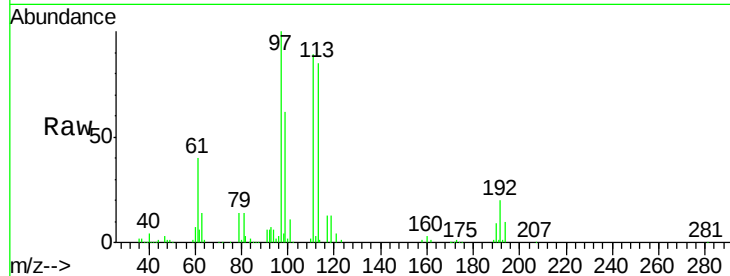




#35
 Dibromofluoromethane
 Concen: 50.21 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

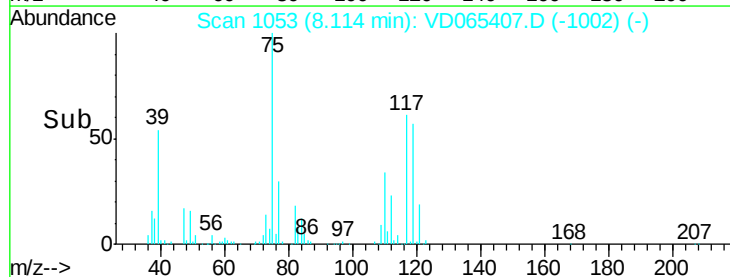
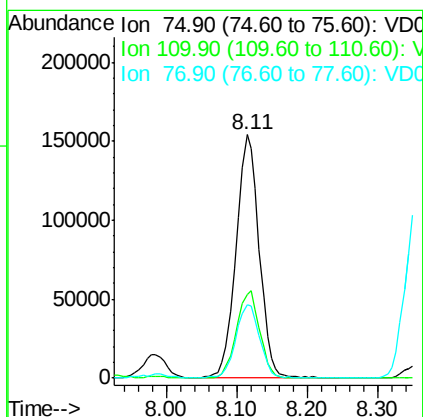
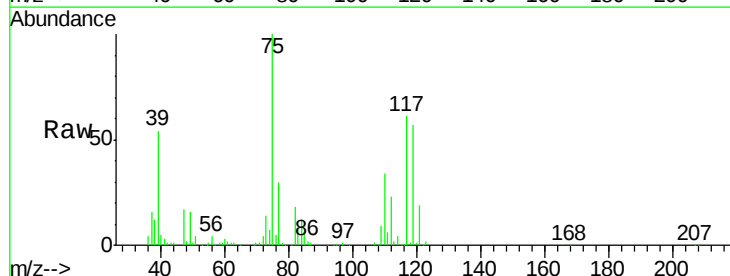
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

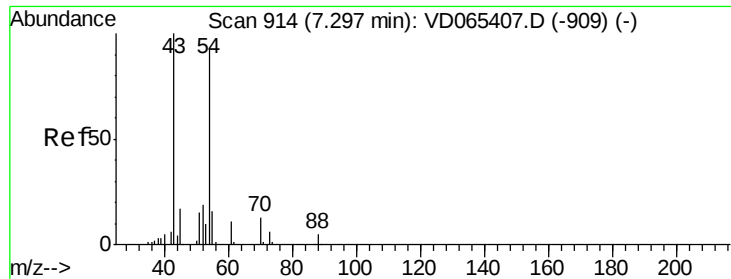
Tgt Ion: 113 Resp: 223920
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.1 123.1
 192 21.5 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 50.55 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 75 Resp: 349643
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.1 54.1
 77 31.5 25.2 37.8

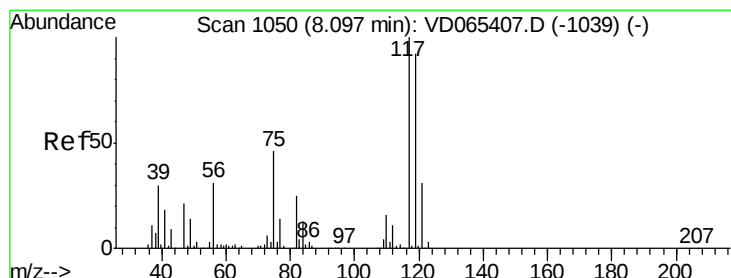
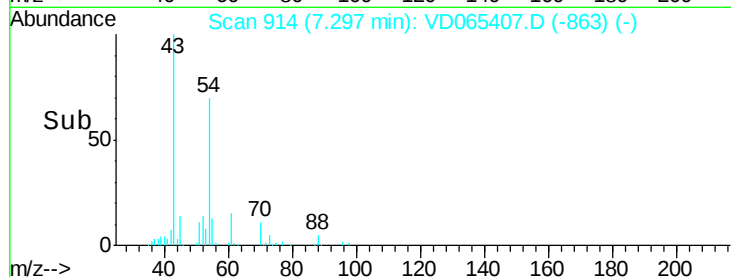
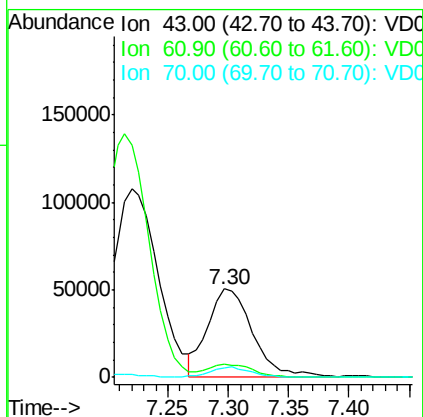
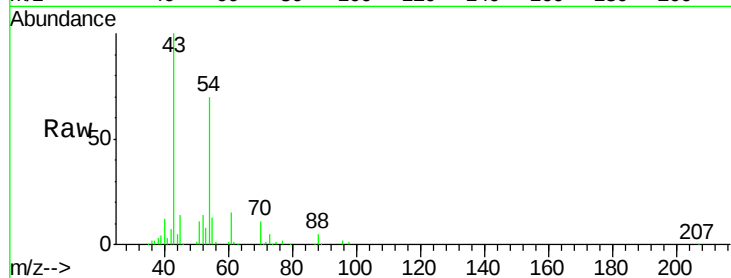




#37
Ethyl Acetate
Concen: 47.66 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

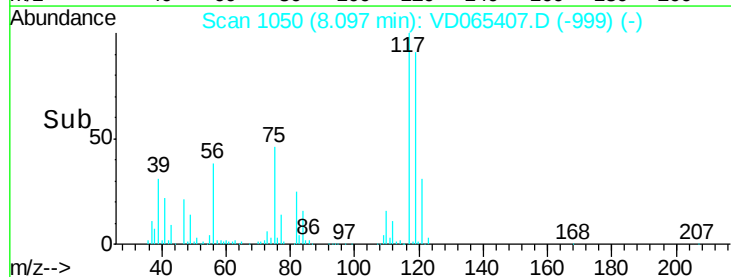
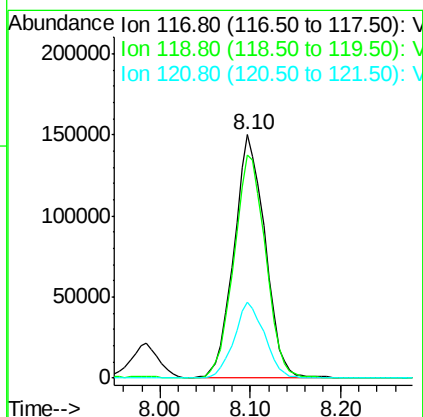
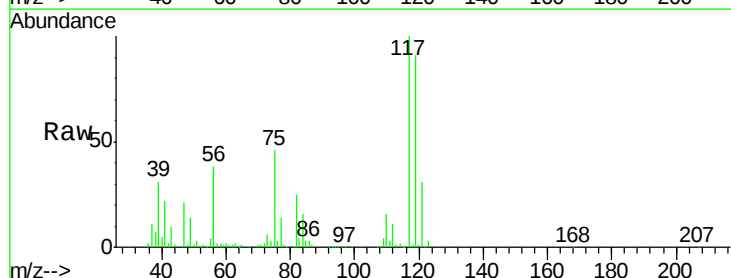
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

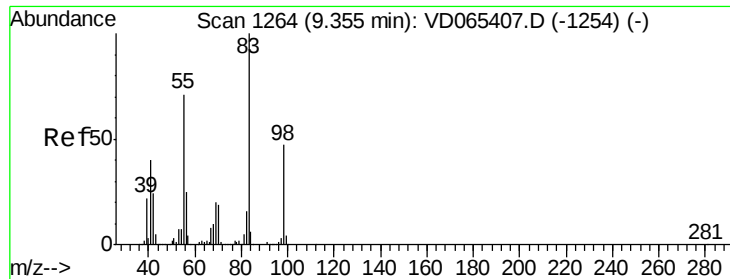
Tgt Ion: 43 Resp: 129020
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 11.2 9.0 13.4



#38
Carbon Tetrachloride
Concen: 49.84 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 117 Resp: 355807
Ion Ratio Lower Upper
117 100
119 91.6 73.3 109.9
121 31.2 25.0 37.4

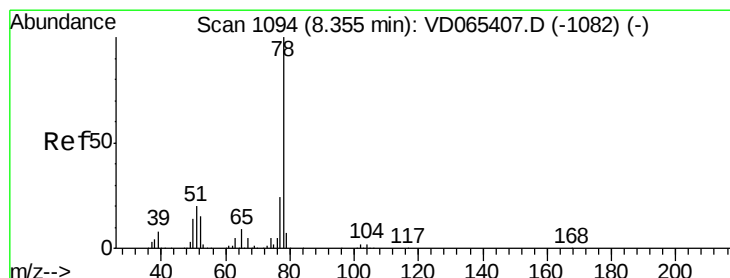
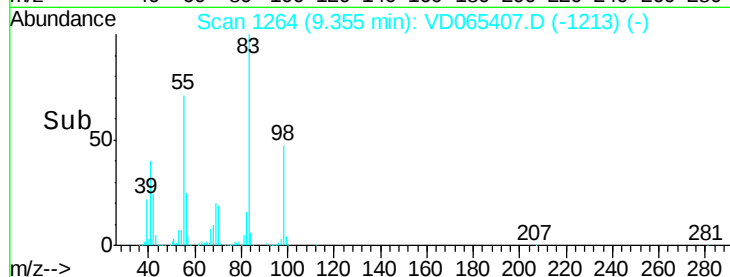
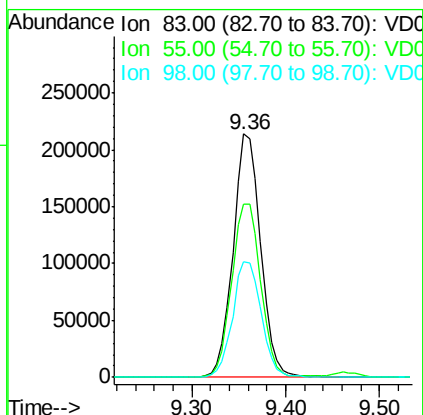
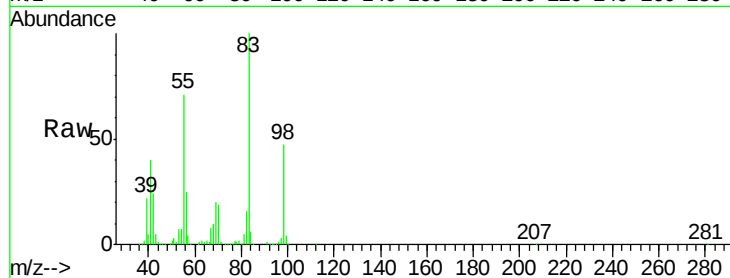




#39
Methylcyclohexane
Concen: 52.89 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

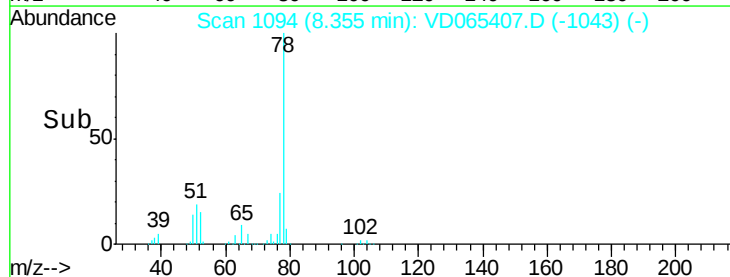
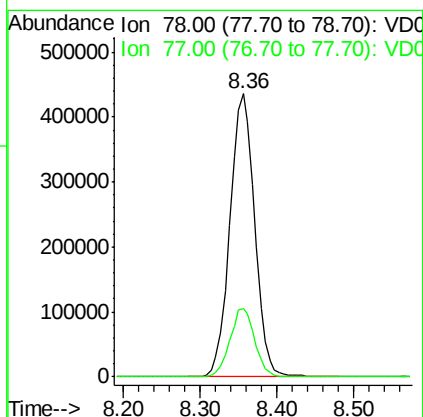
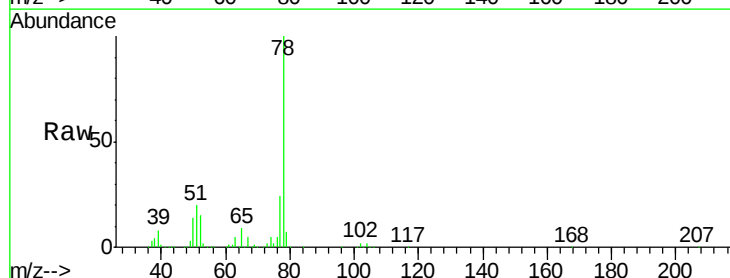
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

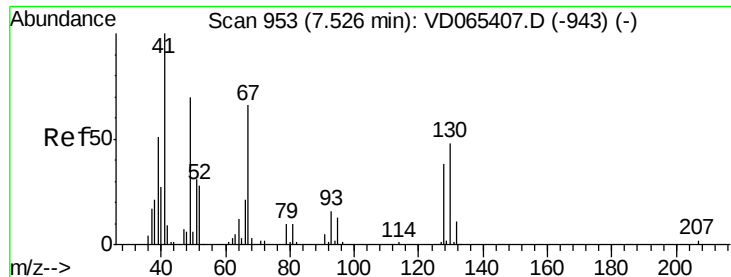
Tgt Ion: 83 Resp: 437089
Ion Ratio Lower Upper
83 100
55 71.4 57.1 85.7
98 47.3 37.8 56.8



#40
Benzene
Concen: 50.61 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 78 Resp: 981281
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

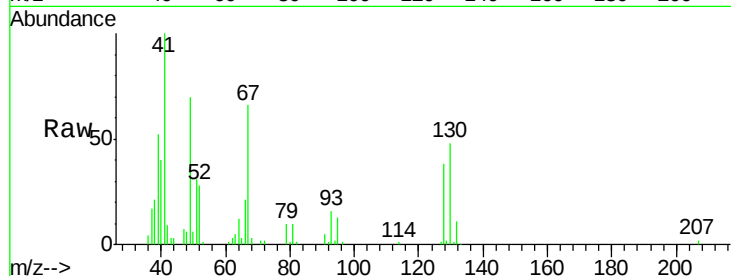




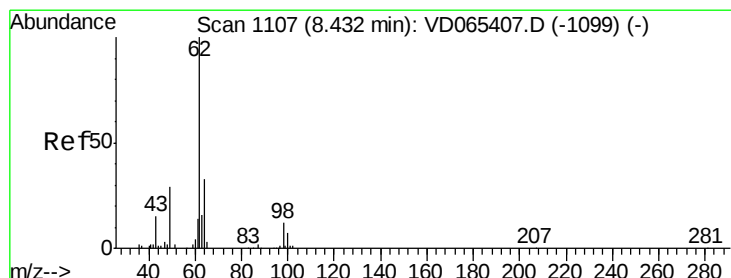
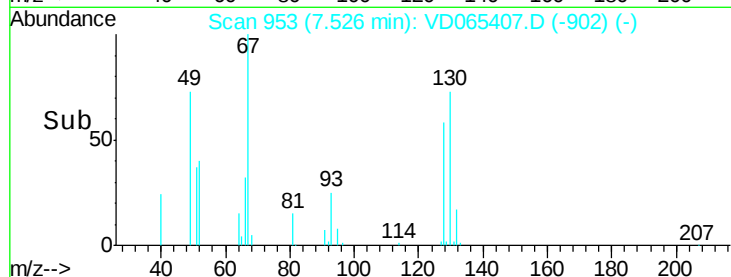
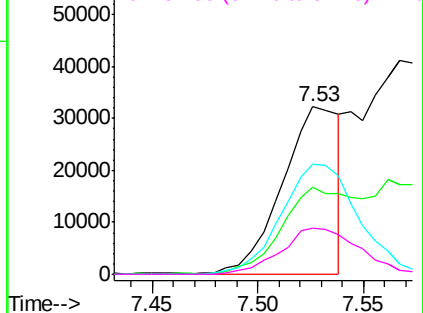
#41
Methacrylonitrile
Concen: 44.39 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	61075
Ion	Ratio	Lower	Upper
41	100		
39	68.8	55.0	82.6
67	87.9	70.3	105.5
52	38.4	30.7	46.1

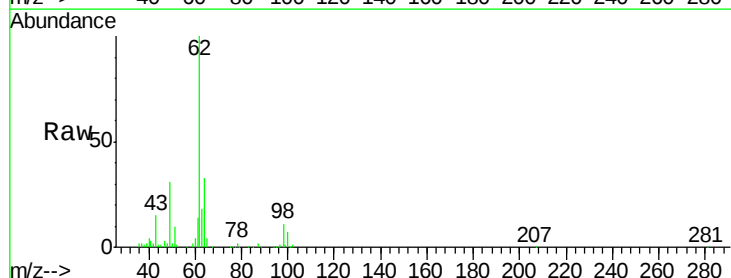


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

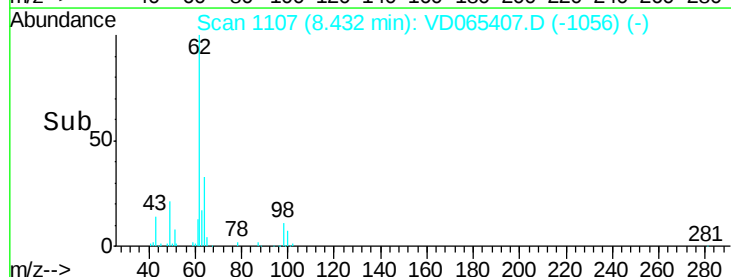
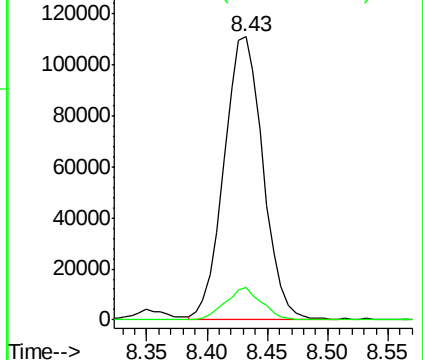


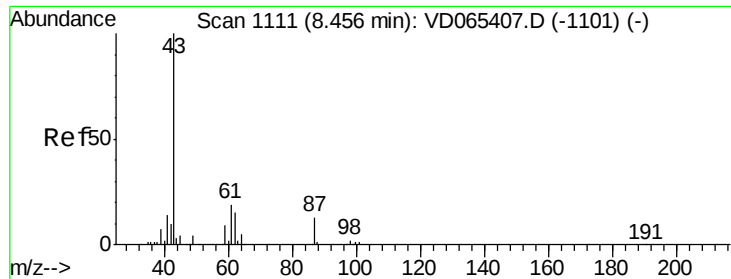
#42
1,2-Dichloroethane
Concen: 48.47 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion:	62	Resp:	247293
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4



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

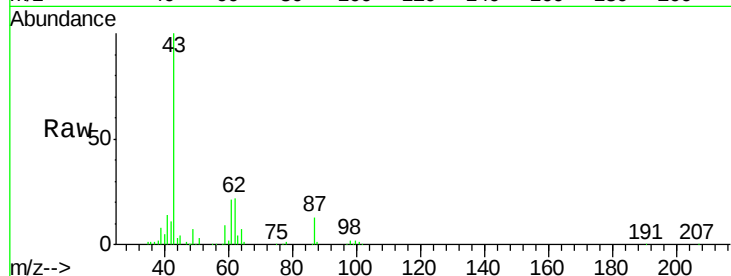




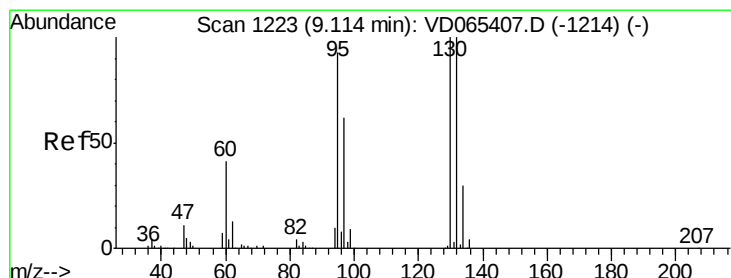
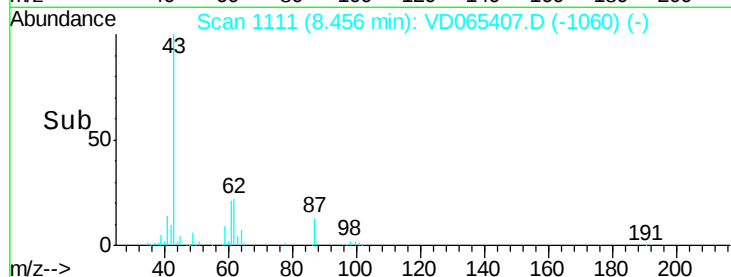
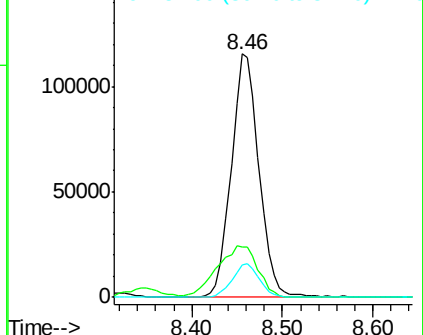
#43
Isopropyl Acetate
Concen: 49.50 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 245223
Ion Ratio Lower Upper
43 100
61 31.3 25.0 37.6
87 13.7 11.0 16.4

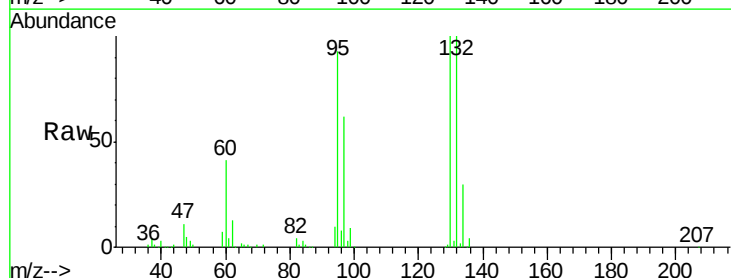


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

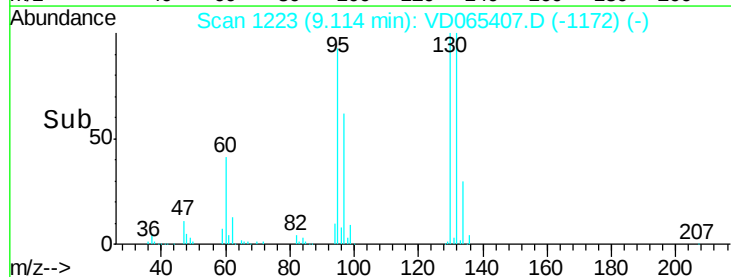
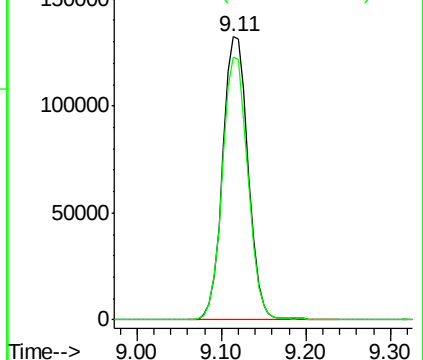


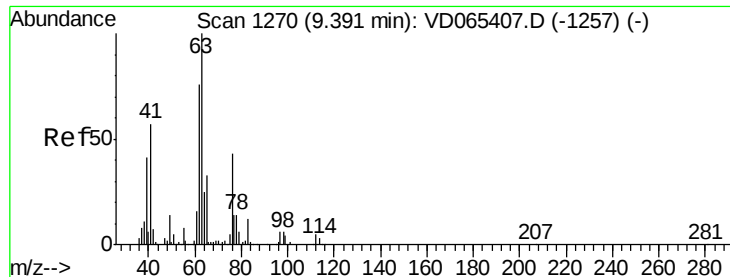
#44
Trichloroethene
Concen: 50.57 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 130 Resp: 275241
Ion Ratio Lower Upper
130 100
95 93.0 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

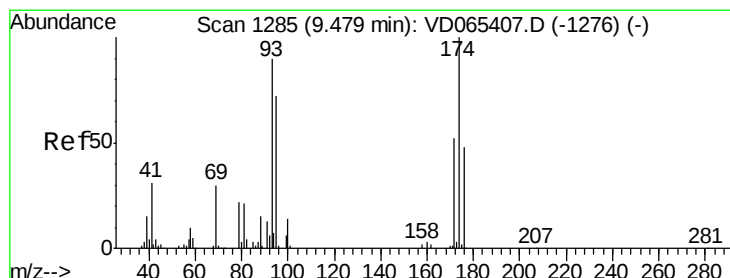
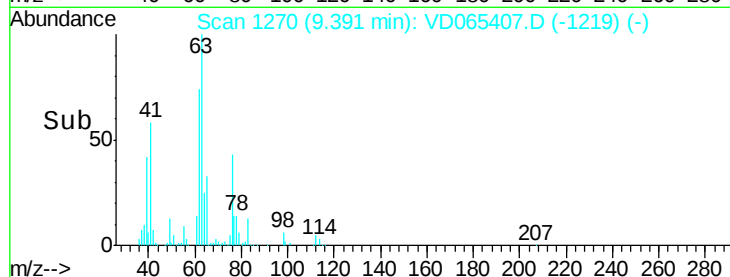
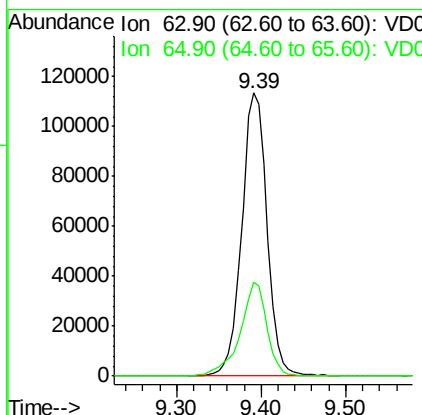
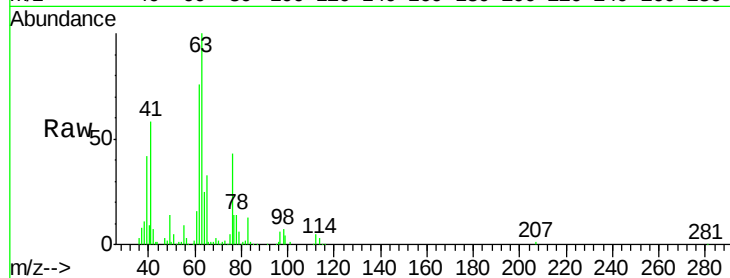




#45
 1,2-Dichloropropane
 Concen: 50.00 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

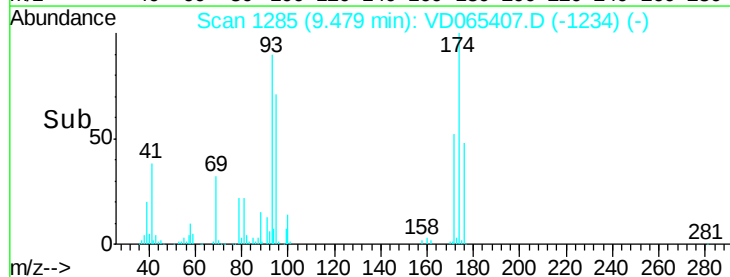
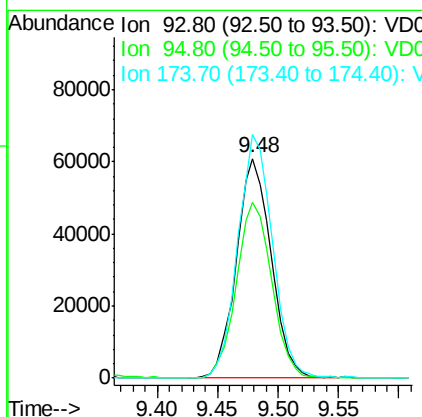
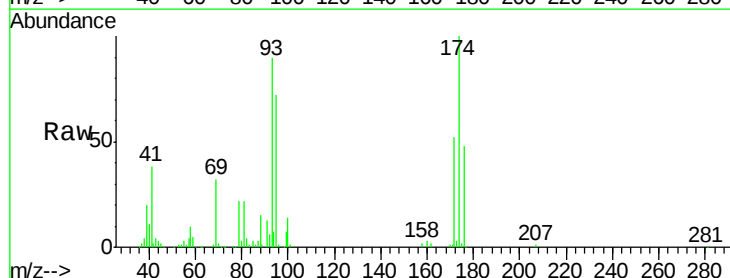
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 235467
 Ion Ratio Lower Upper
 63 100
 65 33.0 26.4 39.6



#46
 Dibromomethane
 Concen: 50.06 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 93 Resp: 122576
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.0 97.6
 174 110.4 88.3 132.5





#47

Bromodichloromethane

Concen: 50.07 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

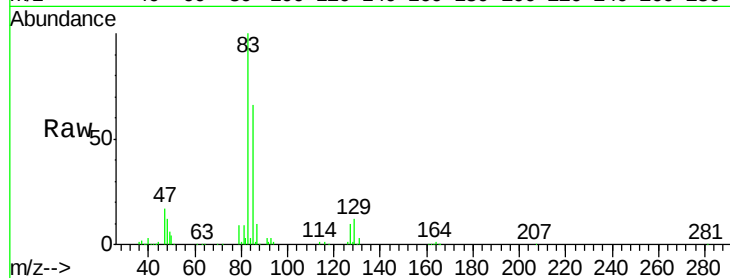
Tgt Ion: 83 Resp: 318302

Ion Ratio Lower Upper

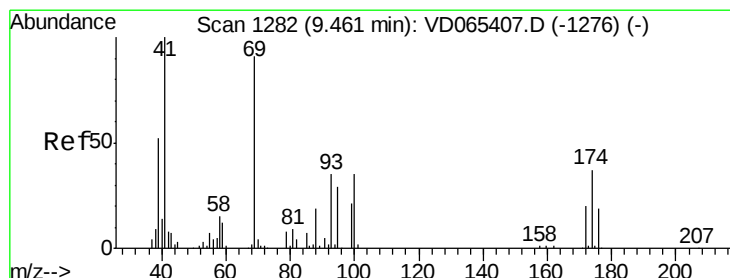
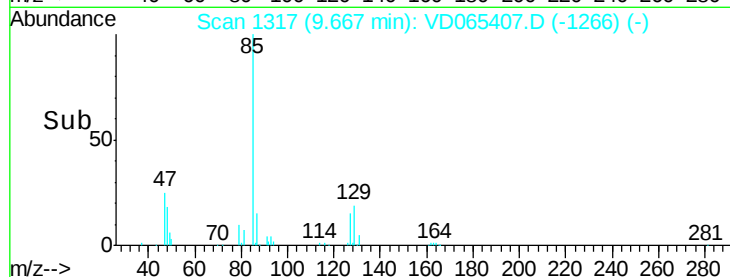
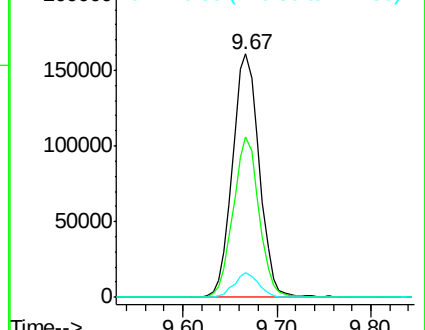
83 100

85 66.0 52.8 79.2

127 10.0 8.0 12.0



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: 49.21 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

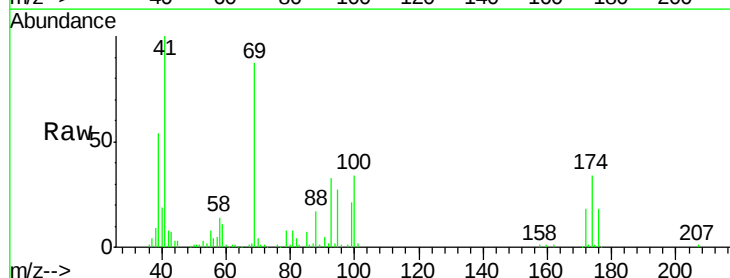
Tgt Ion: 41 Resp: 115345

Ion Ratio Lower Upper

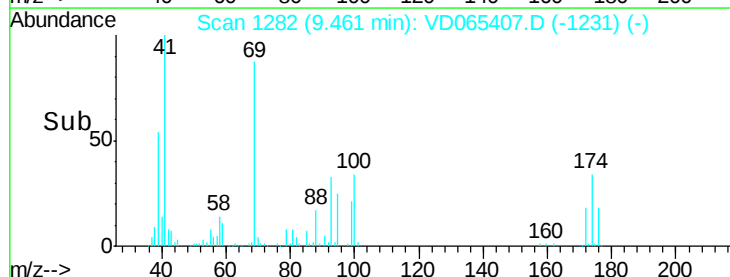
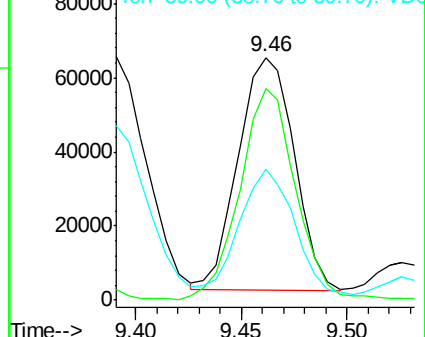
41 100

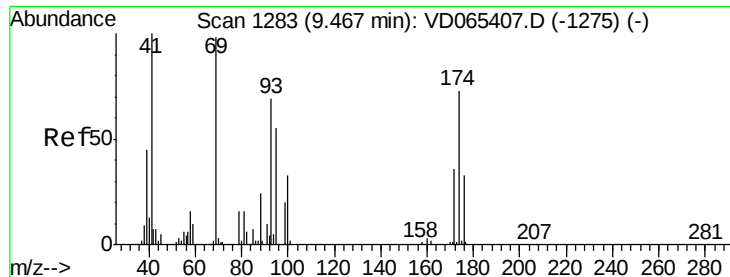
69 90.6 72.5 108.7

39 52.0 41.6 62.4



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

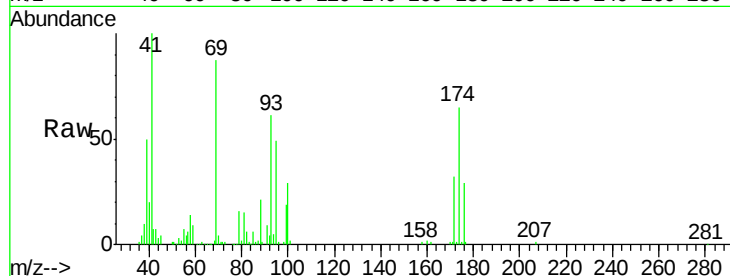




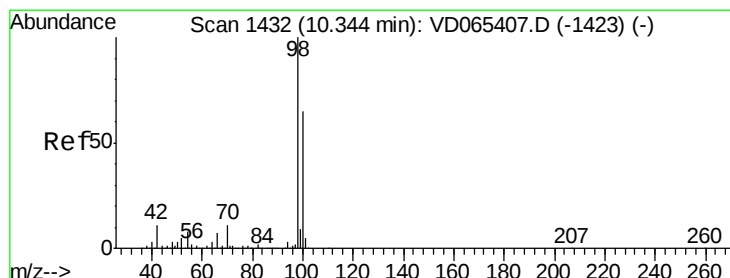
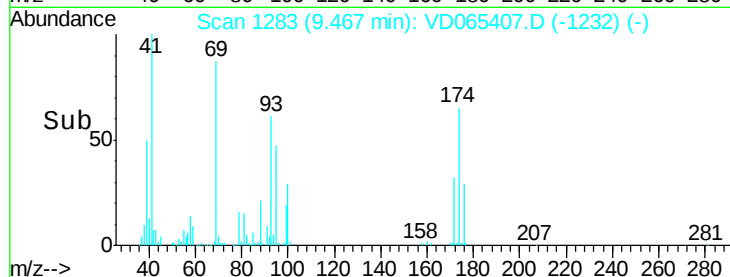
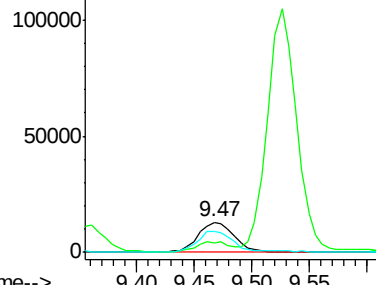
#49
1,4-Dioxane
Concen: 991.78 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 27952
Ion Ratio Lower Upper
88 100
43 30.6 24.5 36.7
58 68.1 54.5 81.7

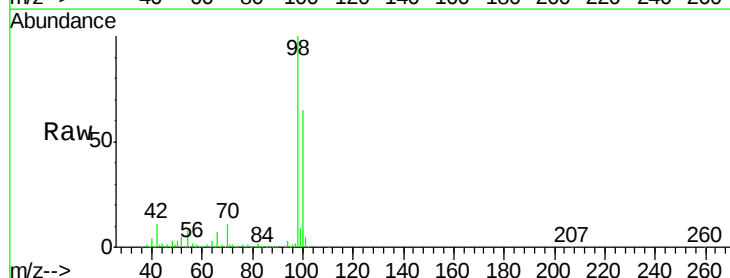


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

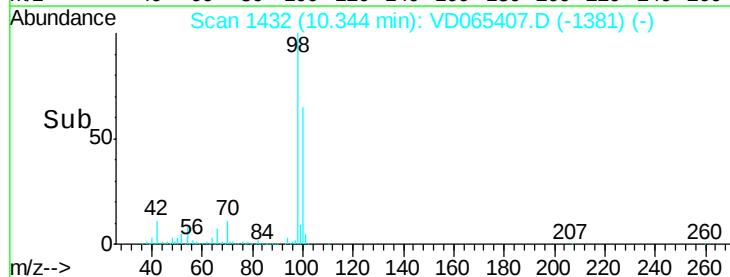
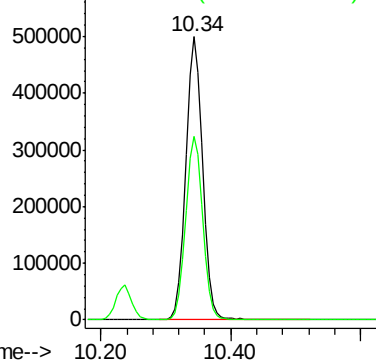


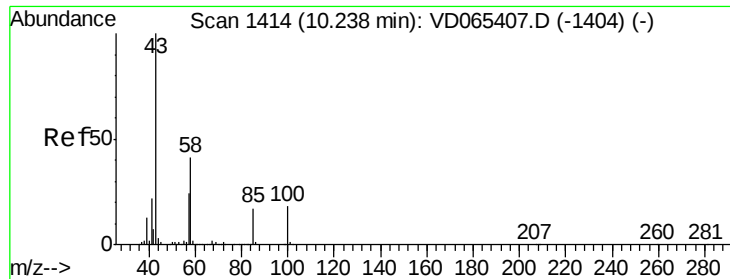
#50
Toluene-d8
Concen: 52.07 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 98 Resp: 891560
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



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

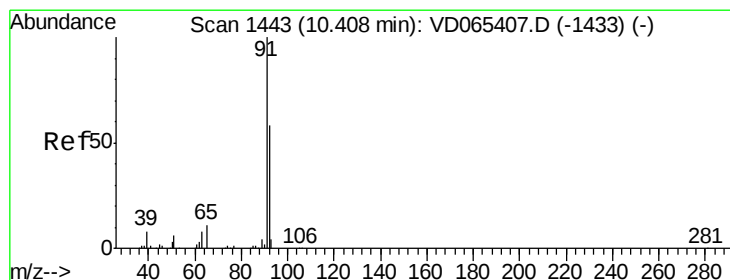
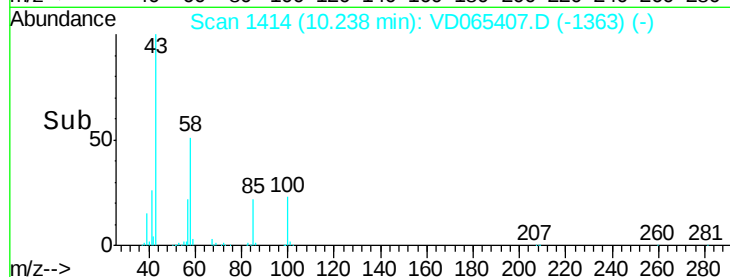
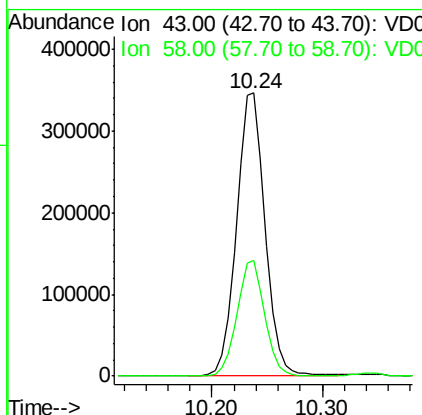
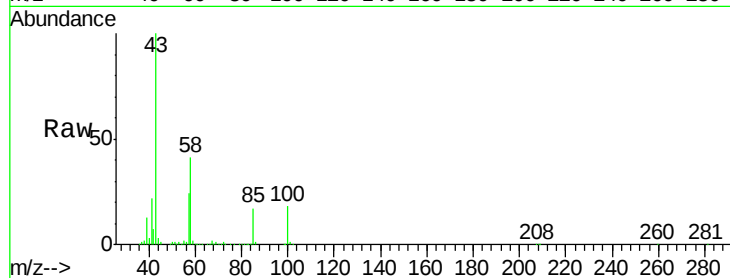




#51
 4-Methyl-2-Pentanone
 Concen: 251.04 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

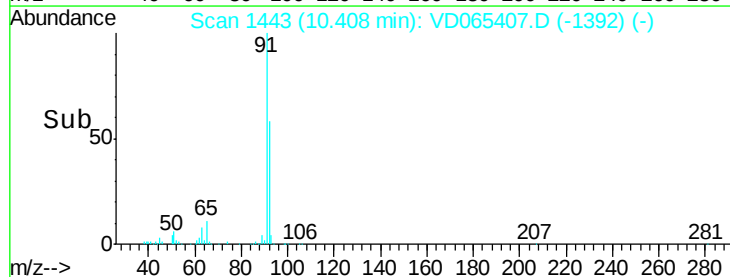
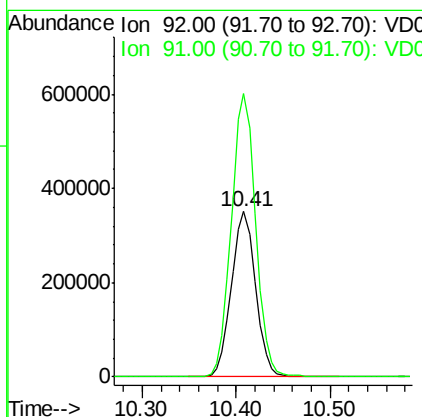
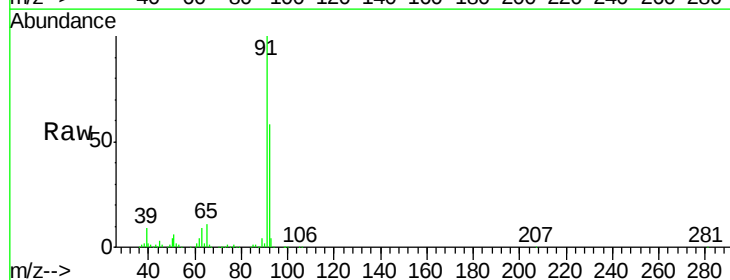
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

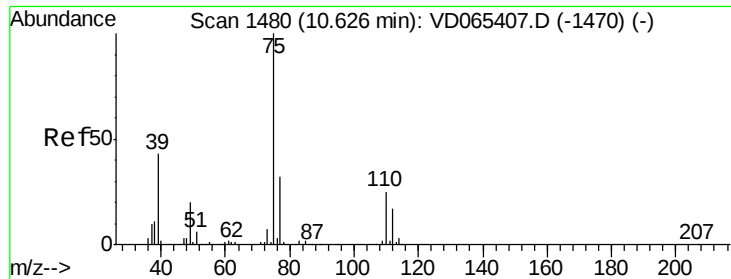
Tgt Ion: 43 Resp: 629022
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.6



#52
 Toluene
 Concen: 51.43 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 92 Resp: 628958
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 50.28 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

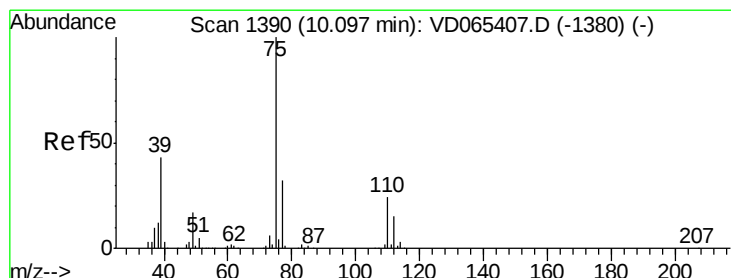
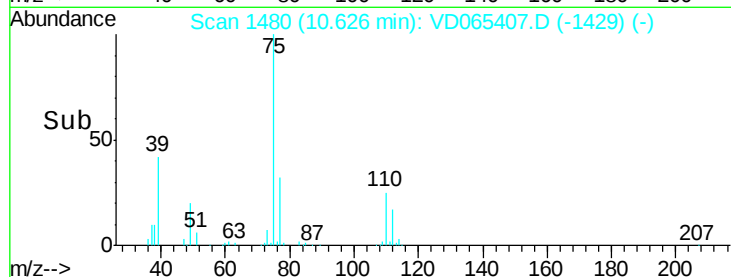
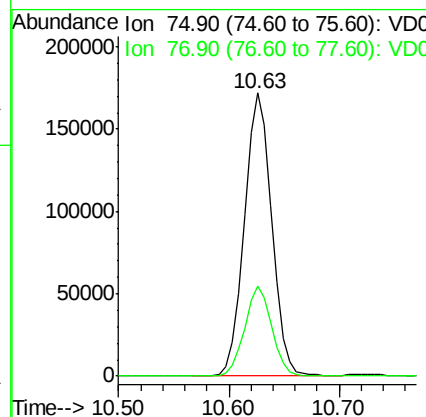
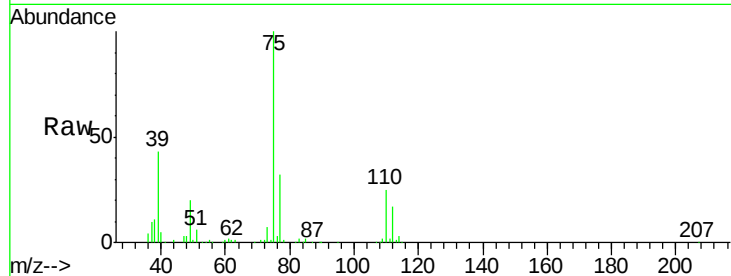
VSTDICCC050

Tgt Ion: 75 Resp: 300742

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.97 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

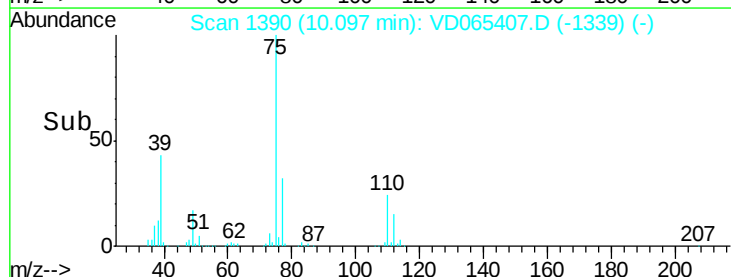
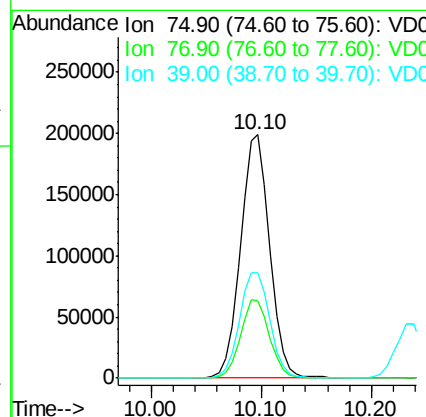
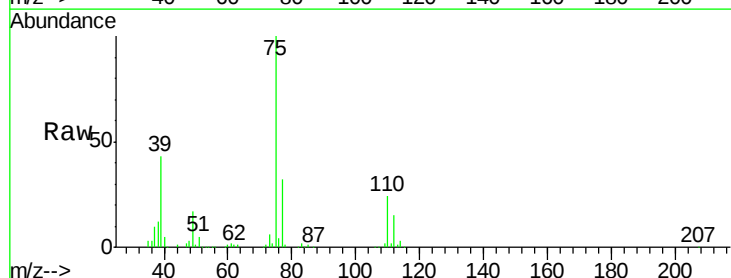
Tgt Ion: 75 Resp: 368135

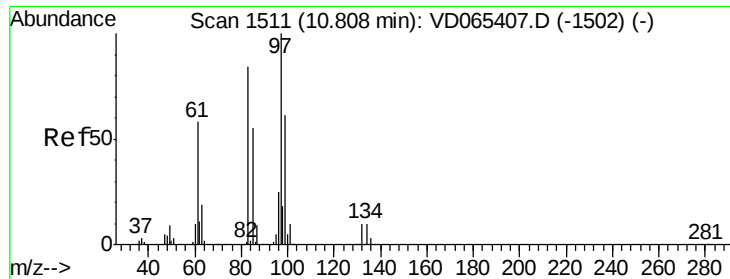
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 43.3 34.6 52.0

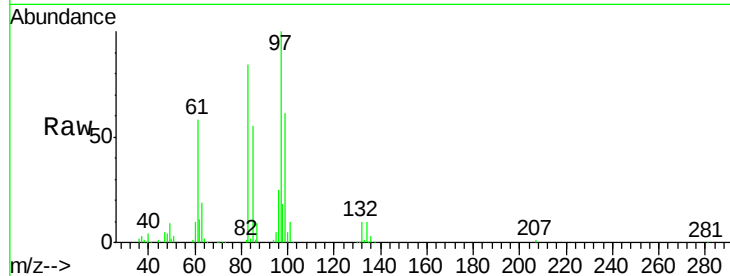




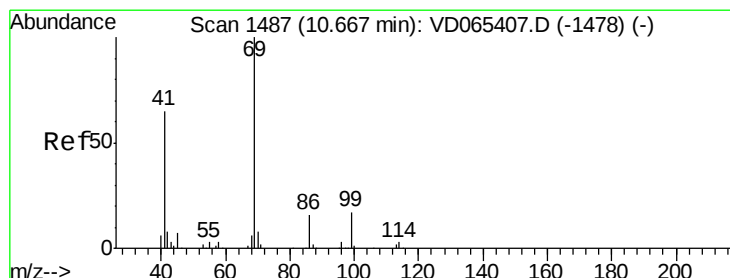
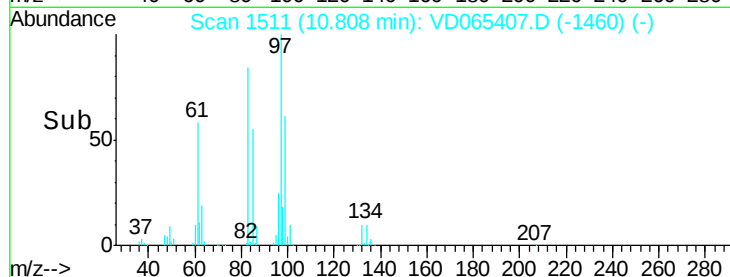
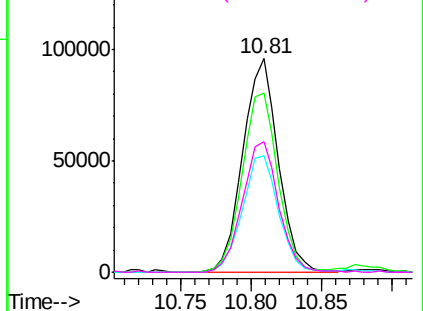
#55
 1,1,2-Trichloroethane
 Concen: 48.78 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 97 Resp: 168898
 Ion Ratio Lower Upper
 97 100
 83 84.2 67.4 101.0
 85 54.8 43.8 65.8
 99 61.0 48.8 73.2

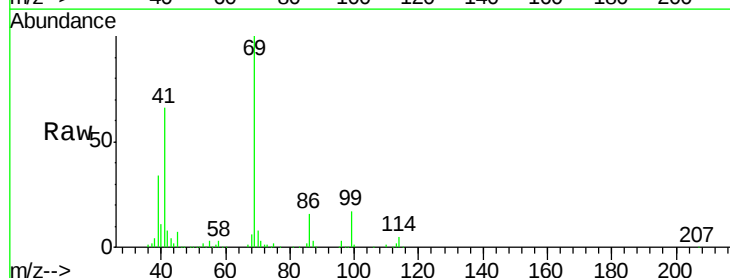


Abundance Ion 96.90 (96.60 to 97.60): VDC
 150000 Ion 82.90 (82.60 to 83.60): VDC
 100000 Ion 84.90 (84.60 to 85.60): VDC
 50000 Ion 98.90 (98.60 to 99.60): VDC

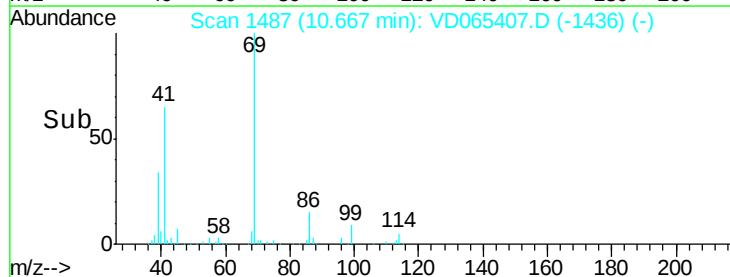
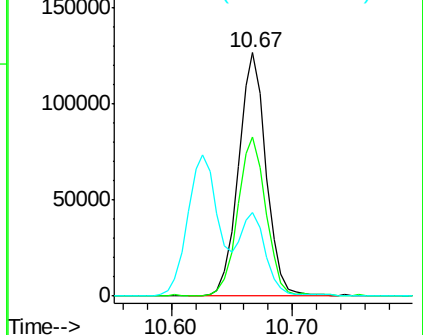


#56
 Ethyl methacrylate
 Concen: 51.58 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 69 Resp: 202507
 Ion Ratio Lower Upper
 69 100
 41 66.3 53.0 79.6
 39 32.5 26.0 39.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 150000 Ion 41.00 (40.70 to 41.70): VDC
 100000 Ion 39.00 (38.70 to 39.70): VDC

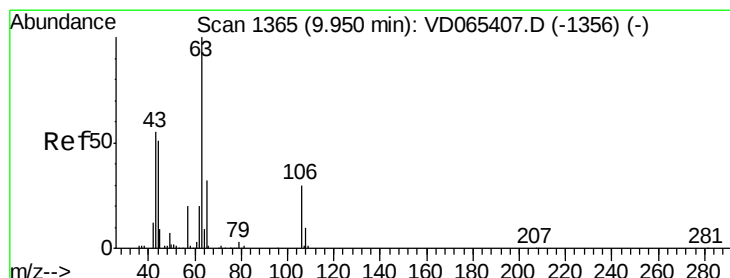
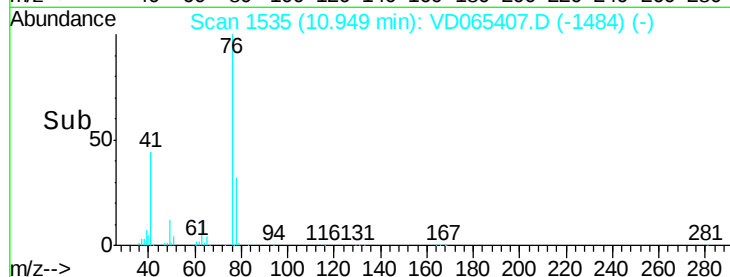
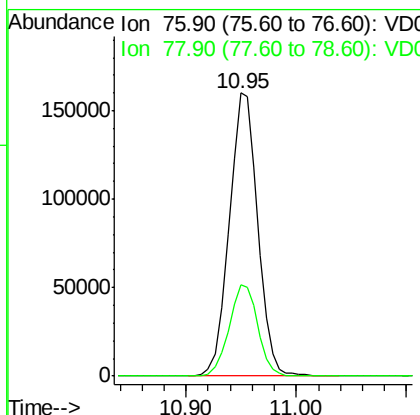
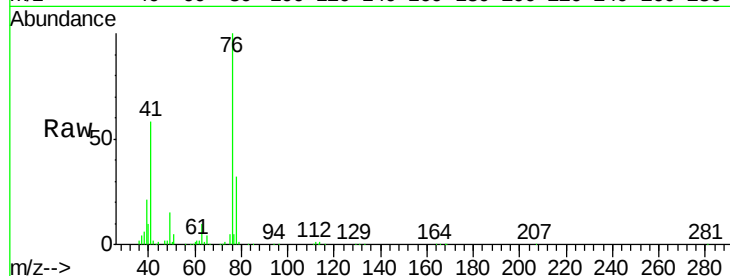




#57
 1,3-Dichloropropane
 Concen: 49.24 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

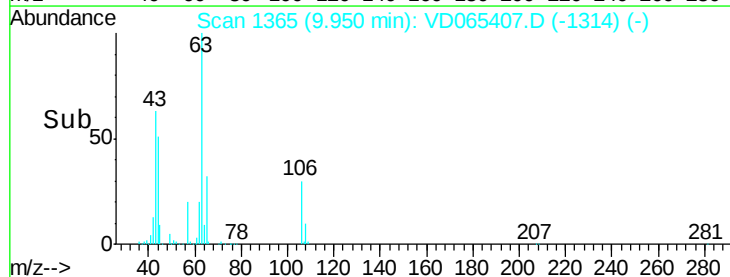
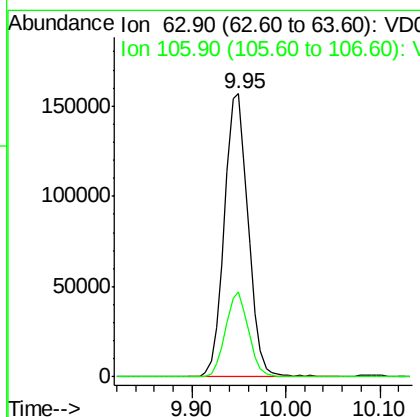
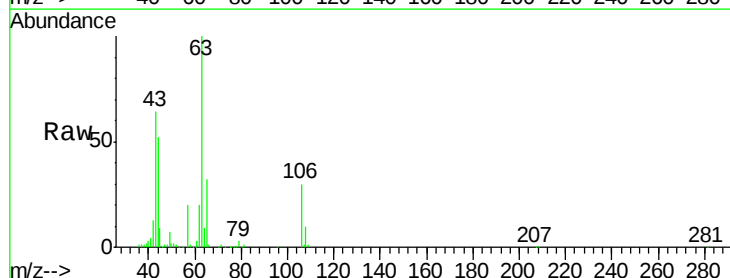
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

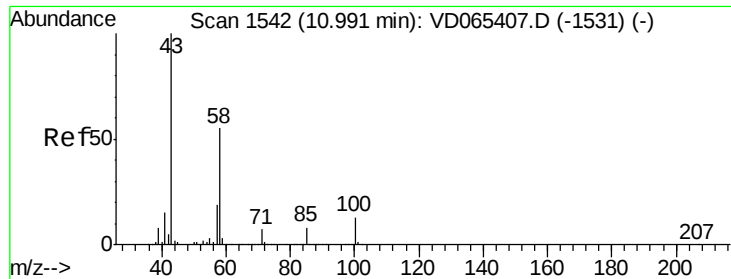
Tgt Ion: 76 Resp: 289339
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 198.14 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 63 Resp: 276532
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9

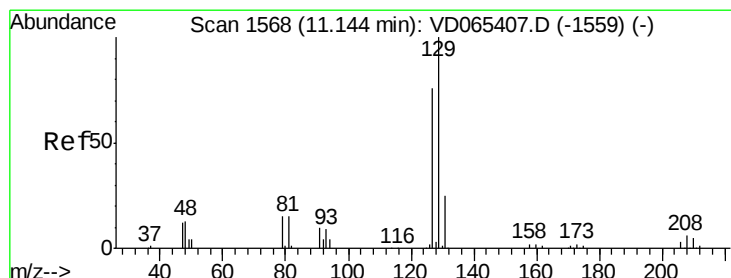
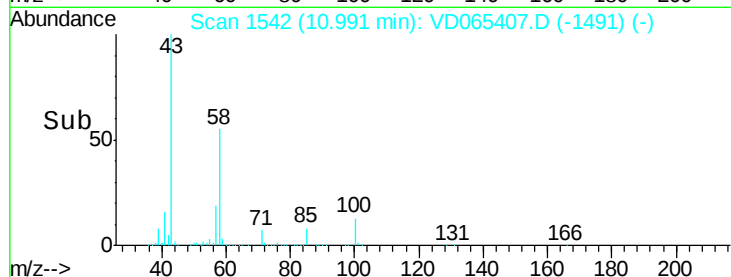
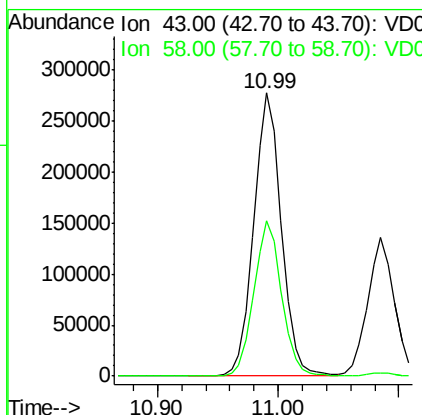
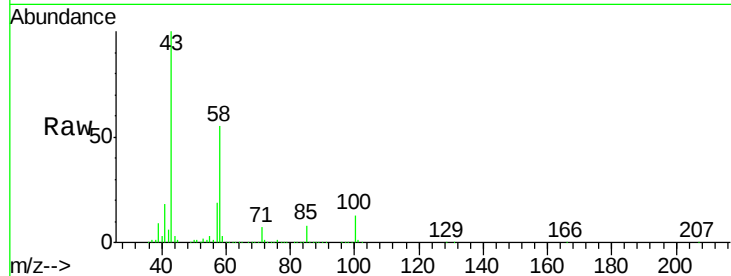




#59
2-Hexanone
Concen: 254.24 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

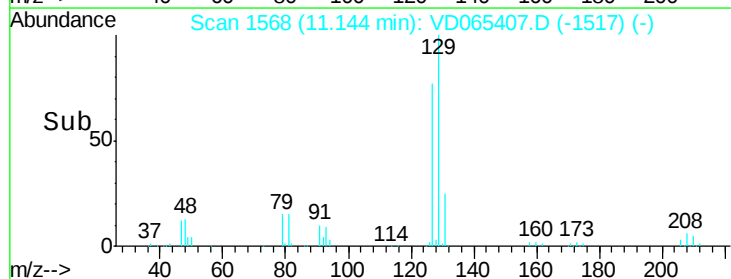
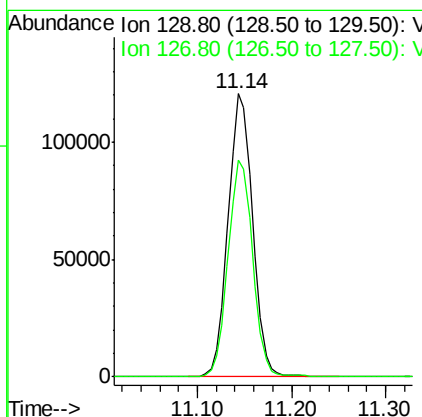
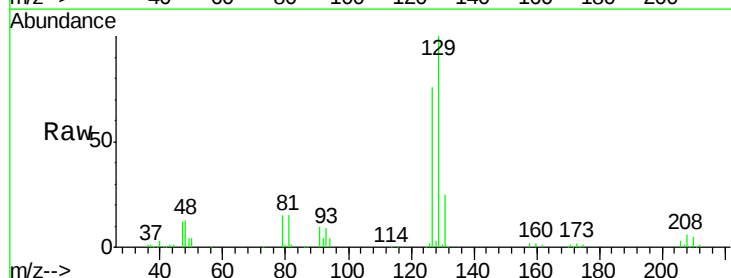
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

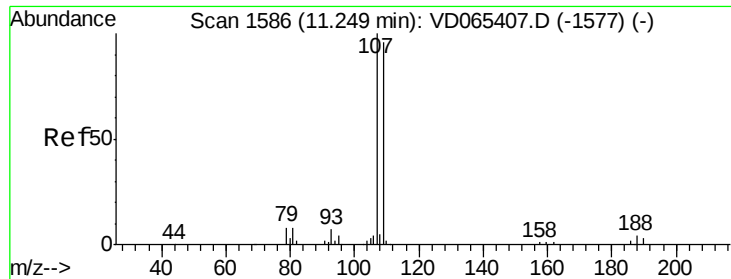
Tgt Ion: 43 Resp: 441617
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.2



#60
Dibromochloromethane
Concen: 49.16 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 129 Resp: 219174
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

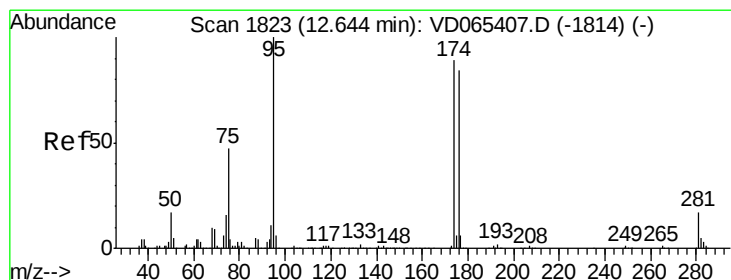
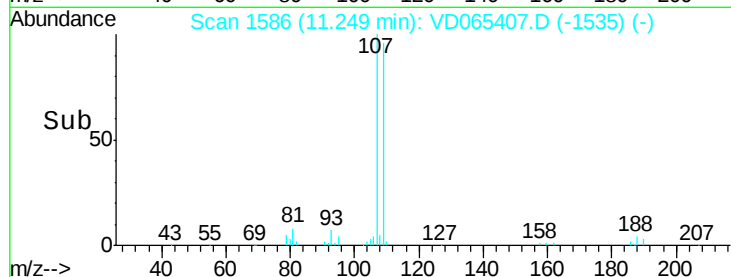
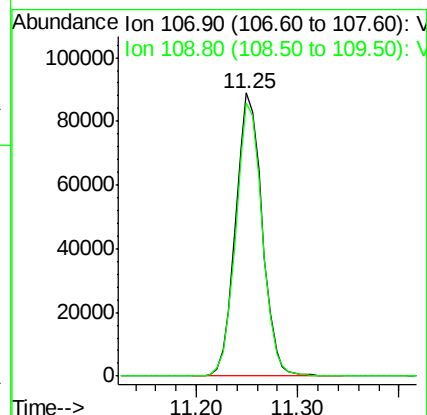
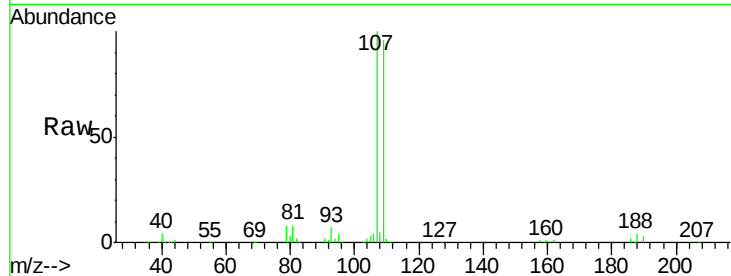




#61
 1,2-Dibromoethane
 Concen: 48.74 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

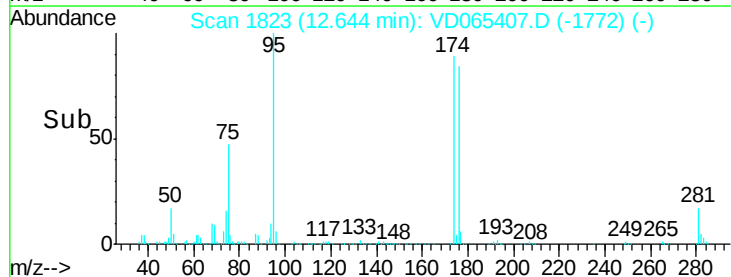
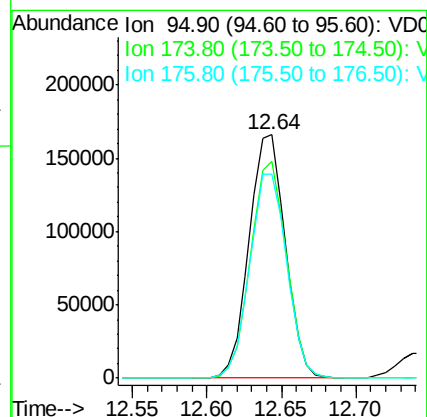
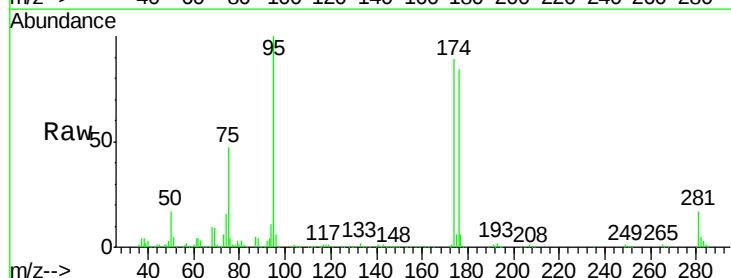
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 107 Resp: 161206
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 51.95 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion: 95 Resp: 278002
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 176.8
 176 85.7 0.0 171.4

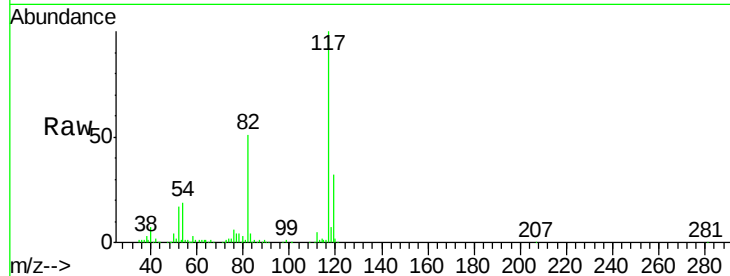




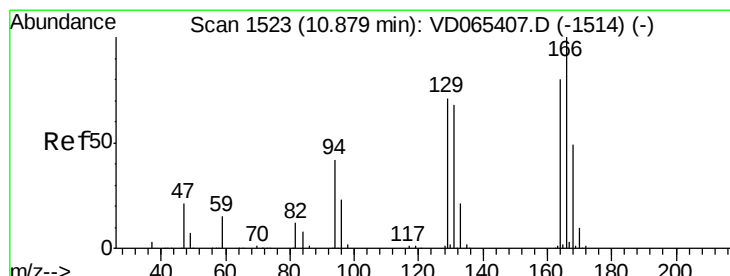
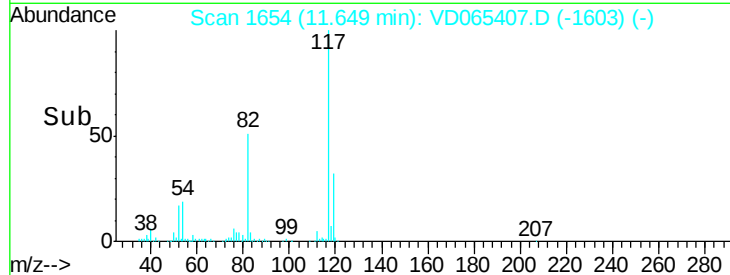
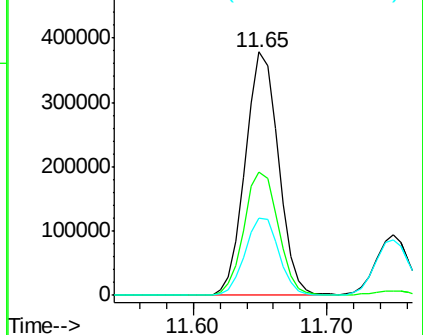
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 650225
Ion Ratio Lower Upper
117 100
82 50.7 40.6 60.8
119 31.8 25.4 38.2

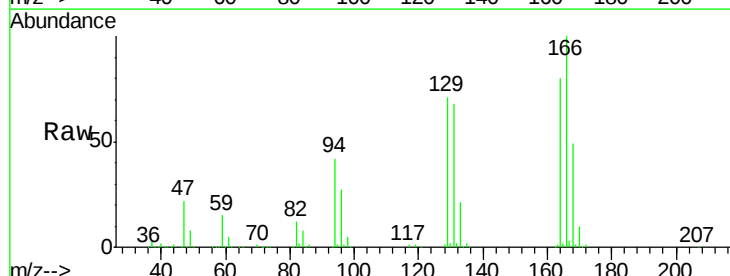


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

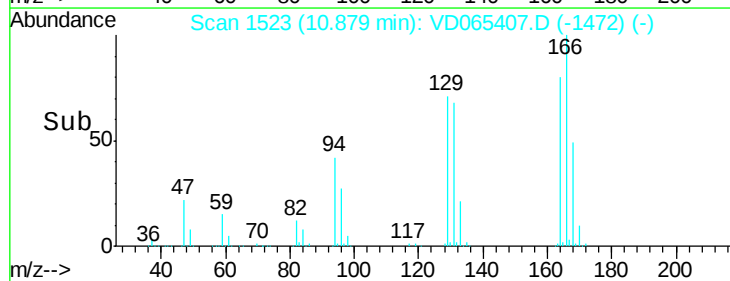
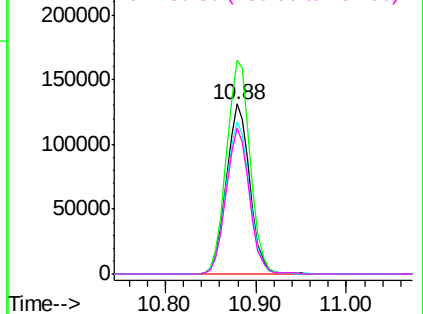


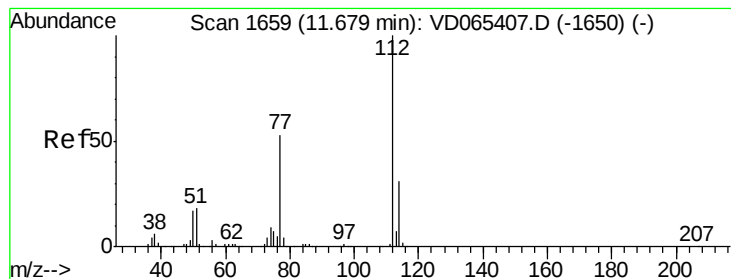
#64
Tetrachloroethene
Concen: 50.14 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion:164 Resp: 234171
Ion Ratio Lower Upper
164 100
166 125.6 100.5 150.7
129 89.4 71.5 107.3
131 85.6 68.5 102.7



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





#65

Chlorobenzene

Concen: 49.87 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

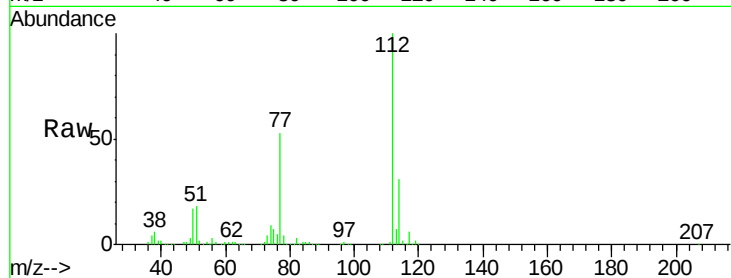
VSTDICCC050

Tgt Ion:112 Resp: 645026

Ion Ratio Lower Upper

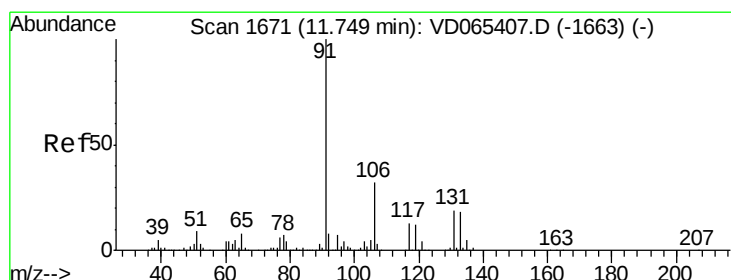
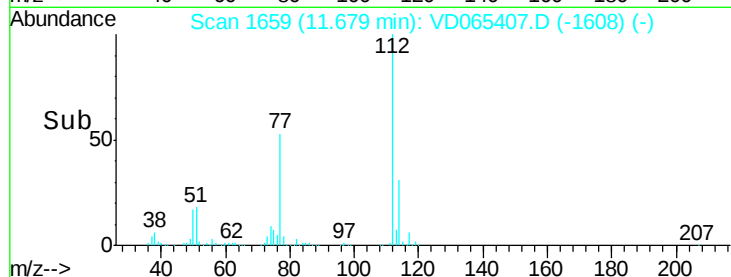
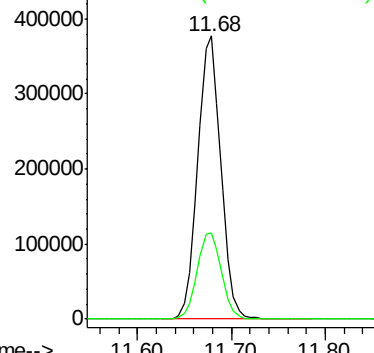
112 100

114 30.5 24.4 36.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.52 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

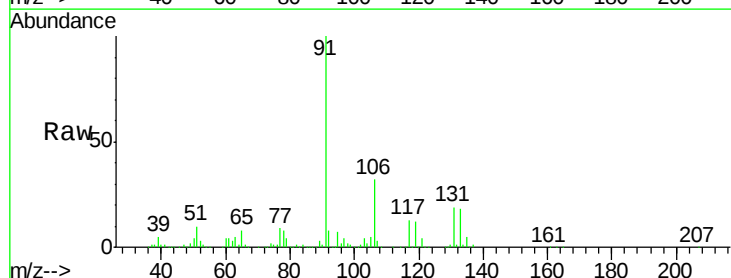
Tgt Ion:131 Resp: 233881

Ion Ratio Lower Upper

131 100

133 98.4 49.2 147.6

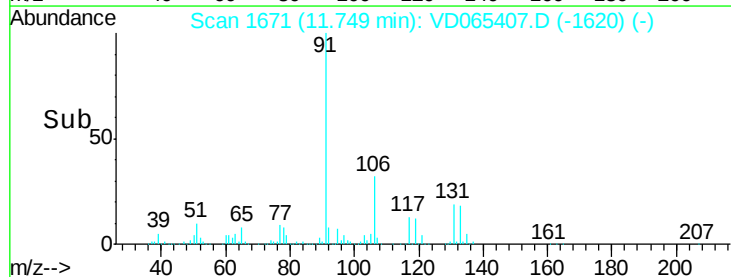
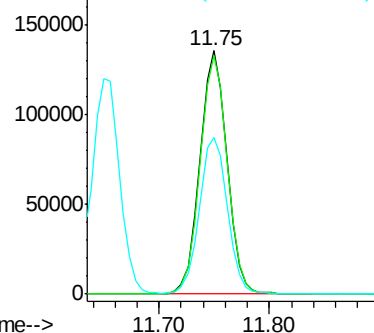
119 66.5 33.3 99.8

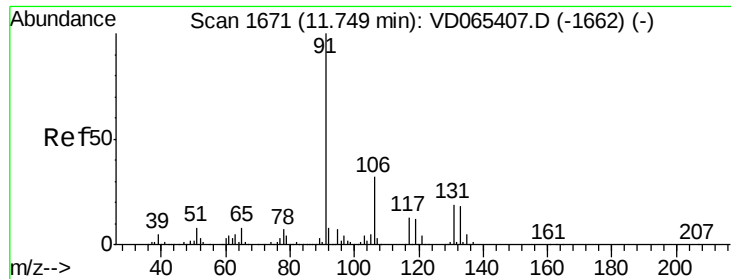


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.43 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

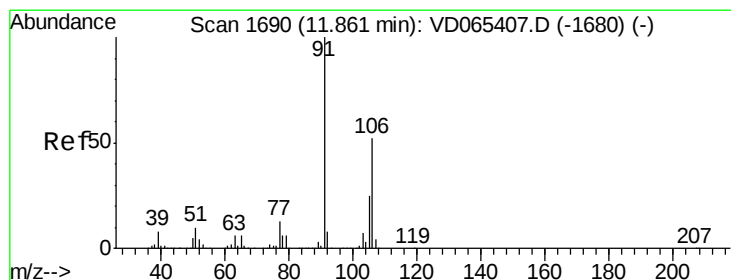
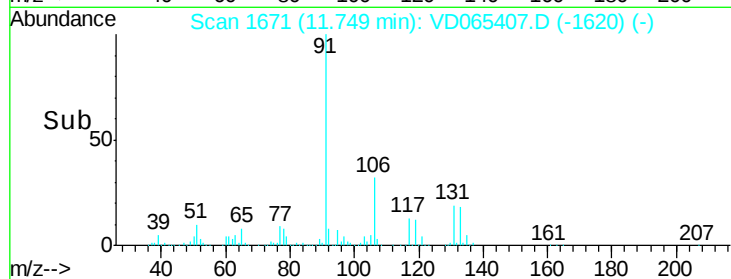
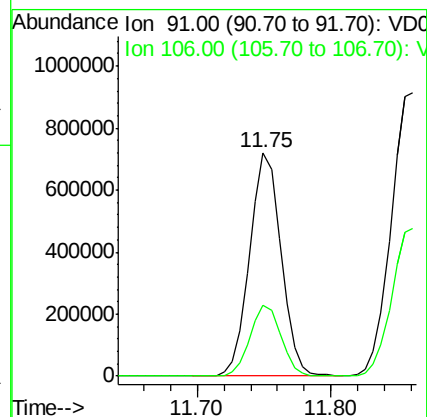
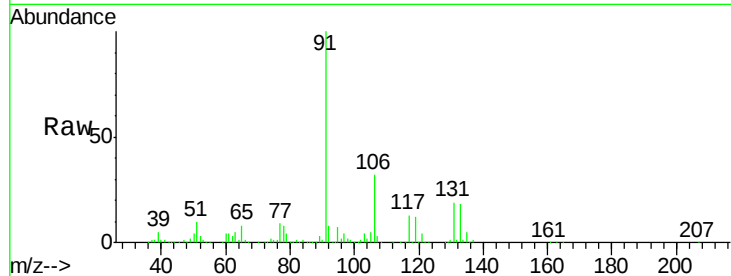
VSTDICCC050

Tgt Ion: 91 Resp: 1169043

Ion Ratio Lower Upper

91 100

106 31.5 25.2 37.8



#68

m/p-Xylenes

Concen: 105.73 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065407.D

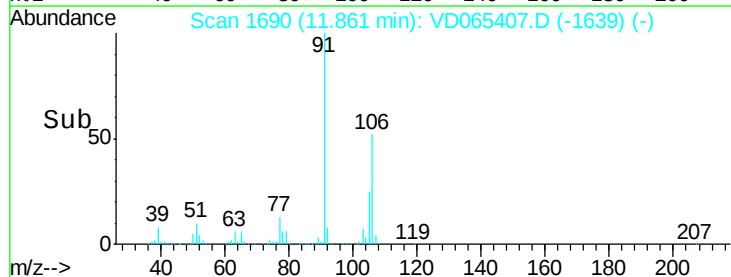
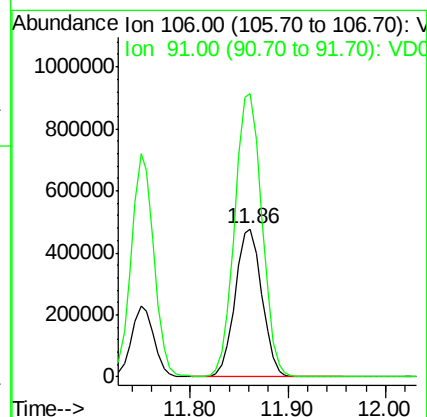
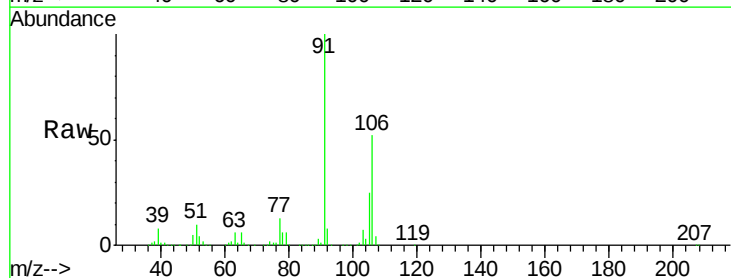
Acq: 04 Mar 2020 12:00

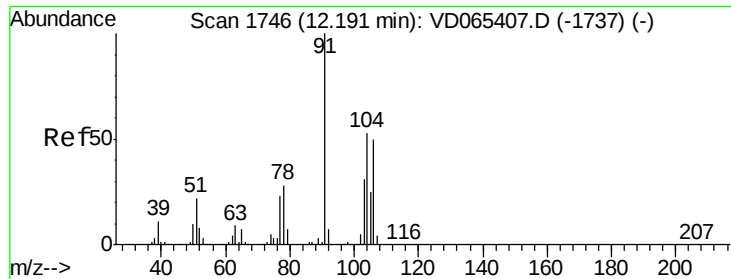
Tgt Ion: 106 Resp: 908953

Ion Ratio Lower Upper

106 100

91 194.9 155.9 233.9

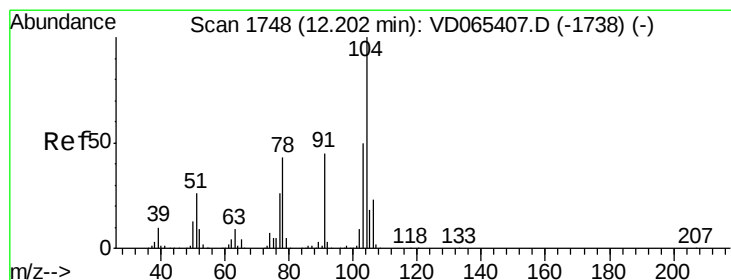
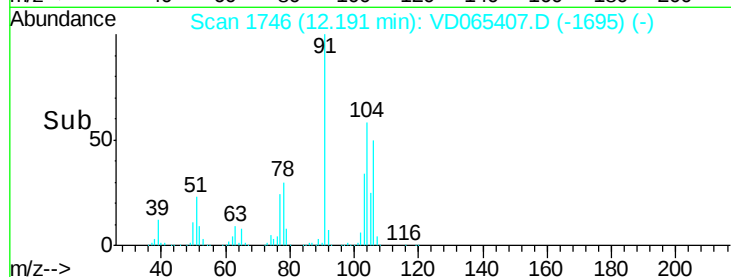
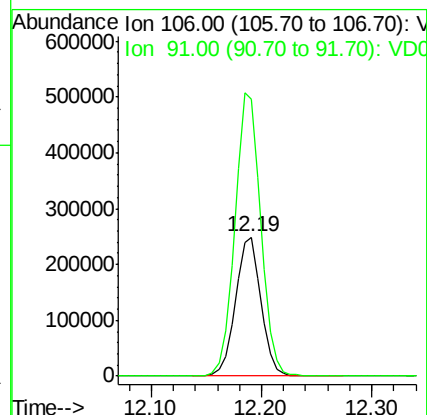
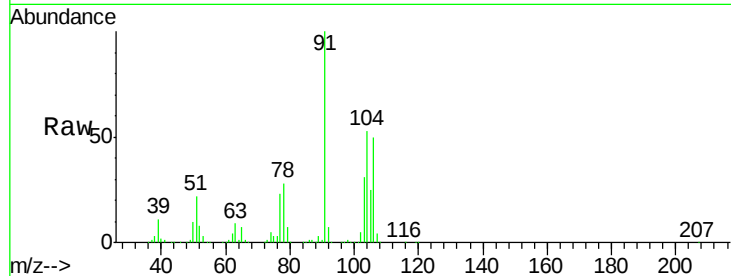




#69
o-Xylene
Concen: 53.19 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

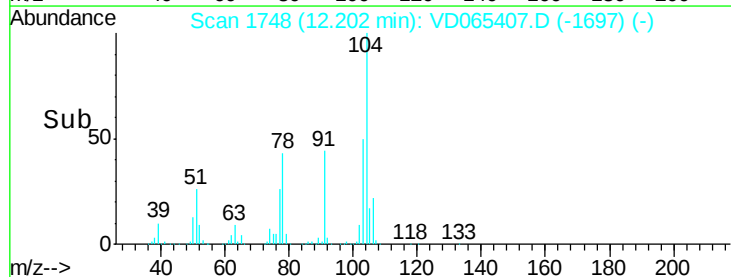
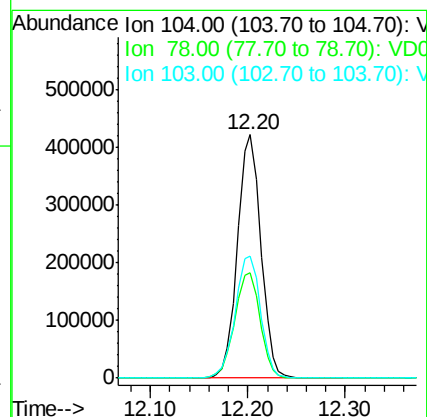
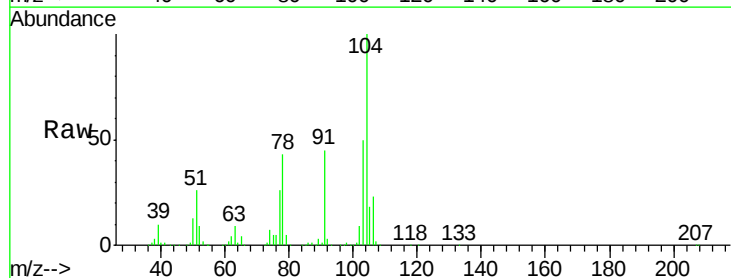
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

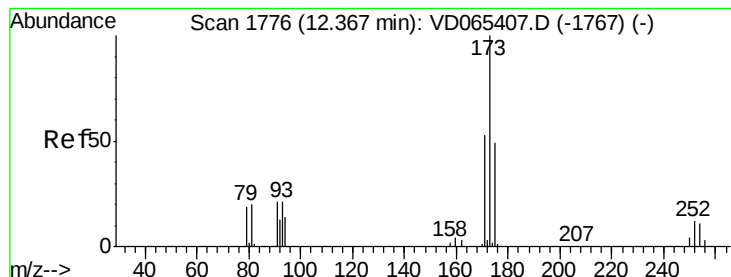
Tgt Ion:106 Resp: 402159
Ion Ratio Lower Upper
106 100
91 206.9 103.5 310.3



#70
Styrene
Concen: 52.93 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion:104 Resp: 706022
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 54.5 43.6 65.4





#71

Bromoform

Concen: 48.10 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

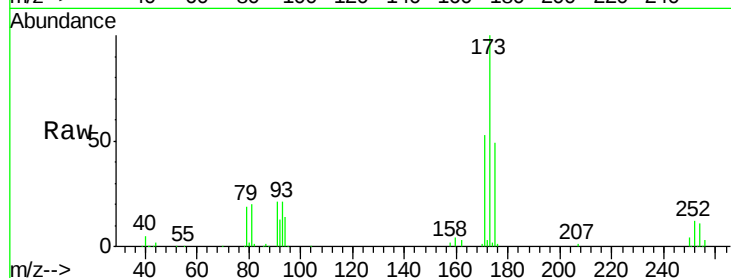
Tgt Ion:173 Resp: 128137

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

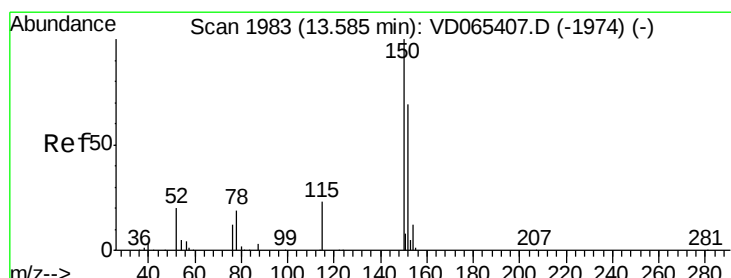
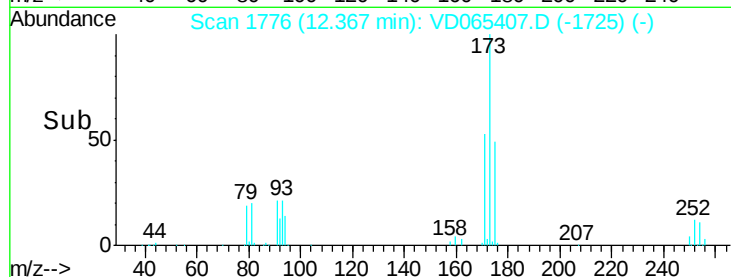
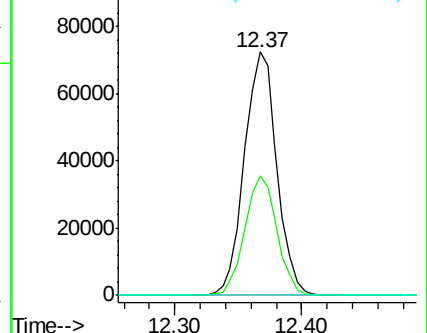
254 0.1 0.1 0.1



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: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

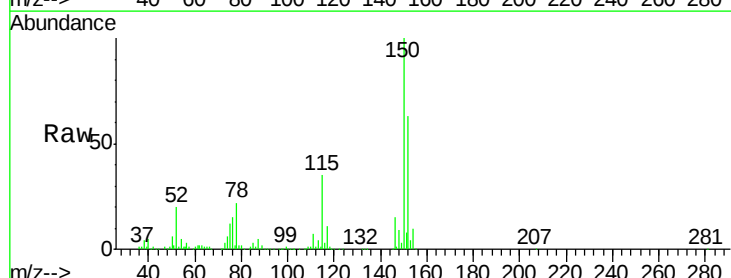
Tgt Ion:152 Resp: 313190

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

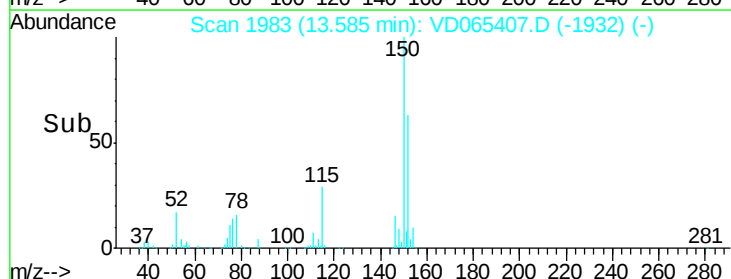
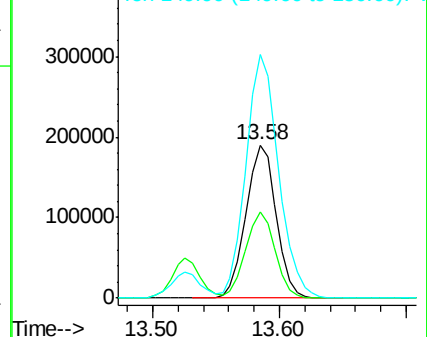
150 172.5 0.0 345.0



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: 53.94 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

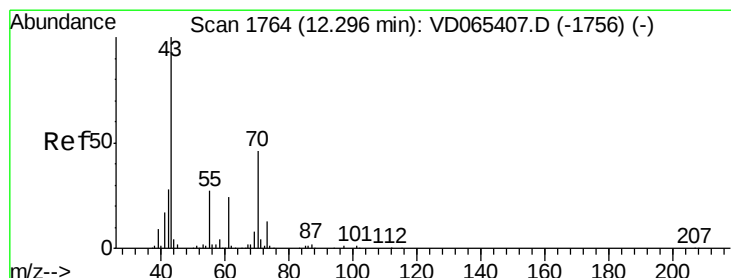
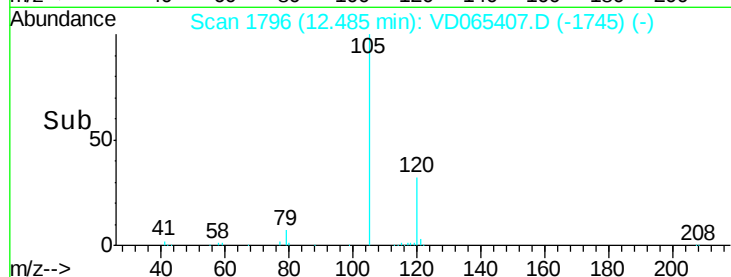
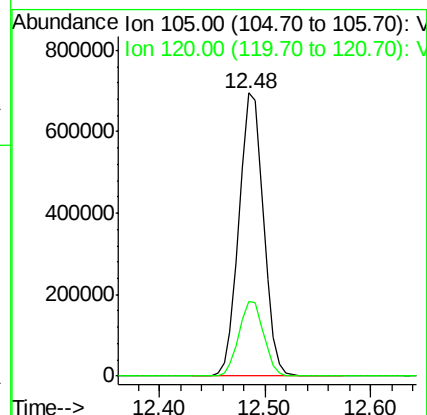
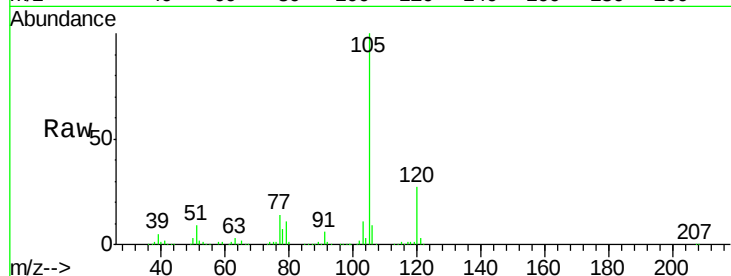
VSTDICCC050

Tgt Ion:105 Resp: 1109602

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 51.25 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Tgt Ion: 43 Resp: 217701

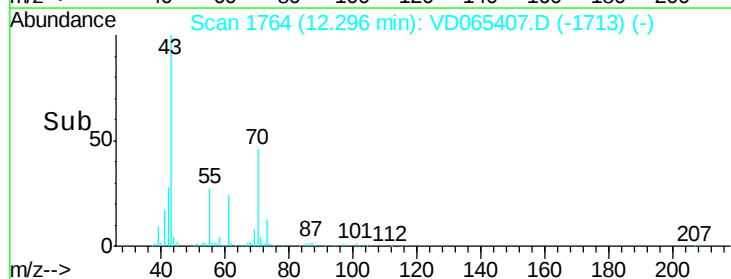
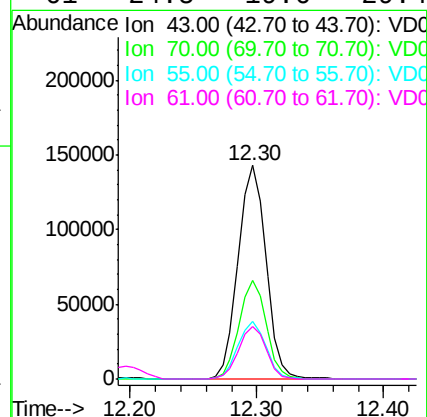
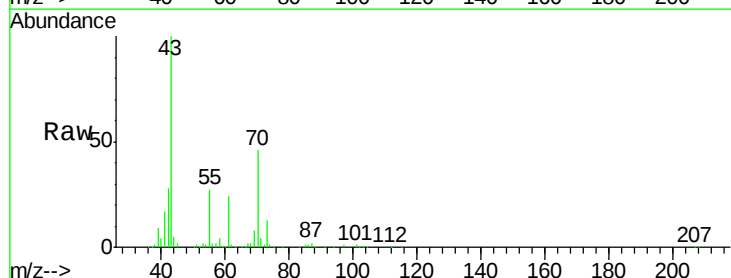
Ion Ratio Lower Upper

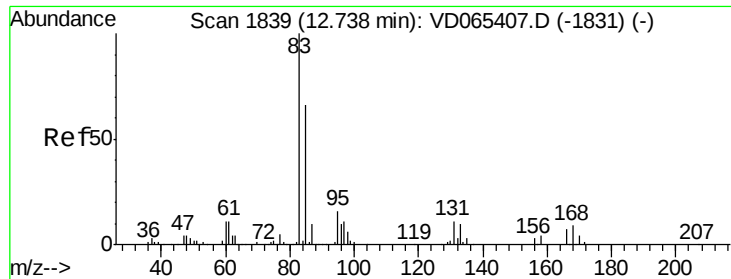
43 100

70 45.1 36.1 54.1

55 27.0 21.6 32.4

61 24.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.71 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

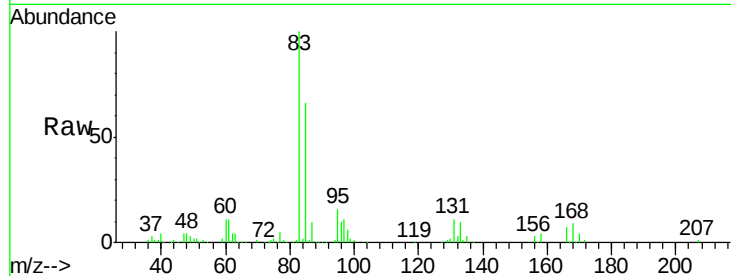
MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 177727

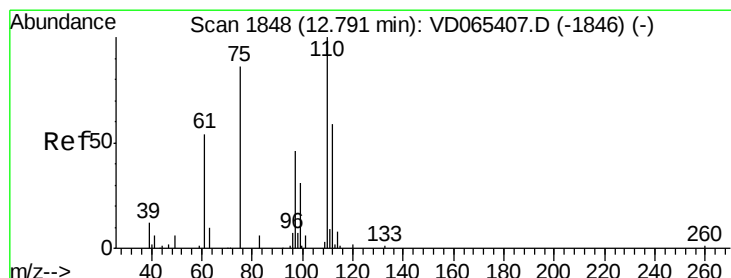
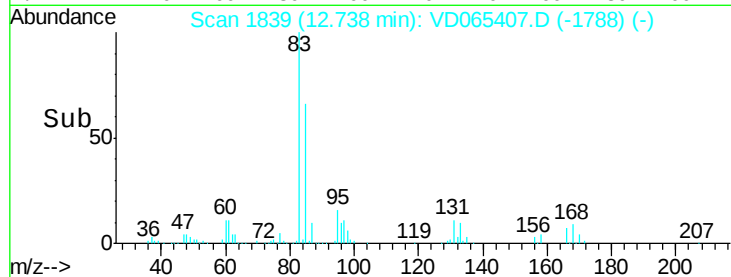
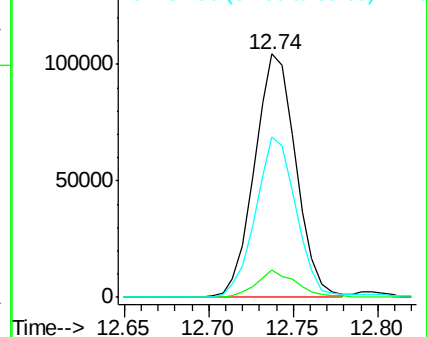
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	65.9	33.0	98.9



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: 53.52 ug/l

RT: 12.79 min Scan# 1848

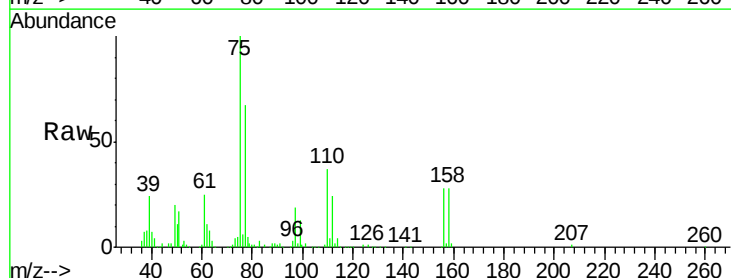
Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

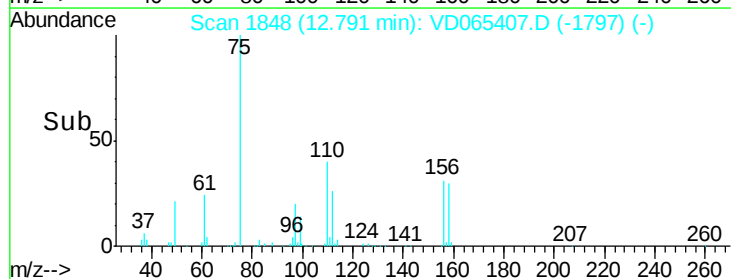
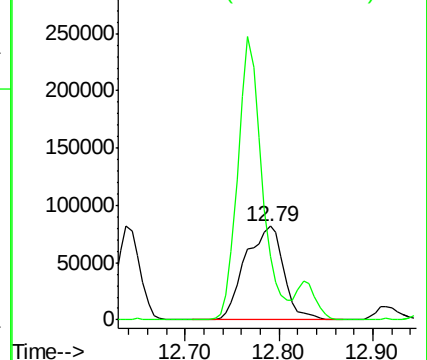
Tgt Ion: 75 Resp: 231512

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: 50.59 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

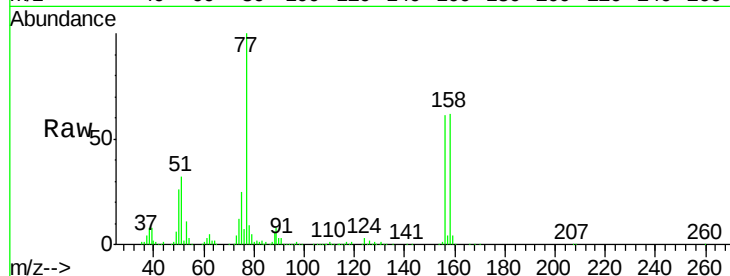
Tgt Ion: 156 Resp: 260944

Ion Ratio Lower Upper

156 100

77 169.7 84.9 254.6

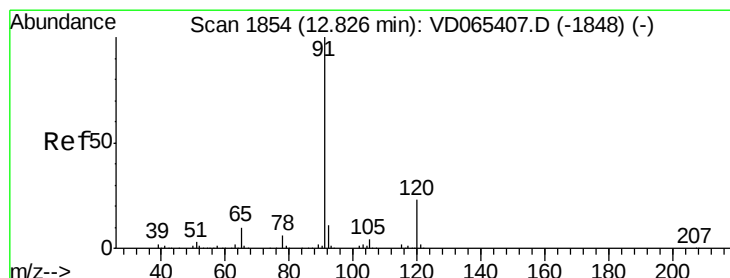
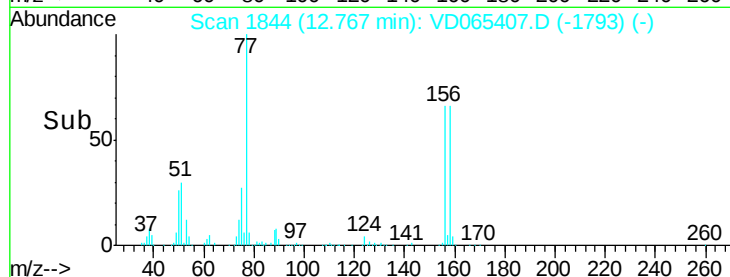
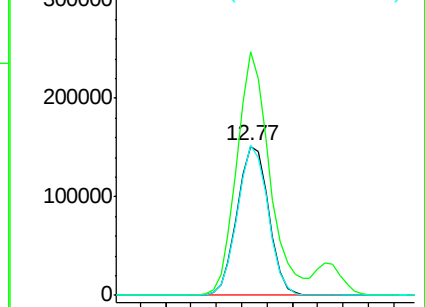
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.43 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065407.D

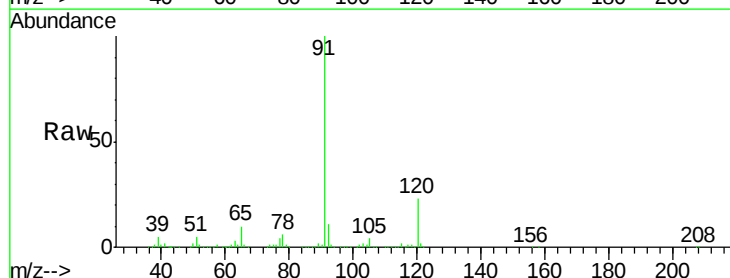
Acq: 04 Mar 2020 12:00

Tgt Ion: 91 Resp: 1307893

Ion Ratio Lower Upper

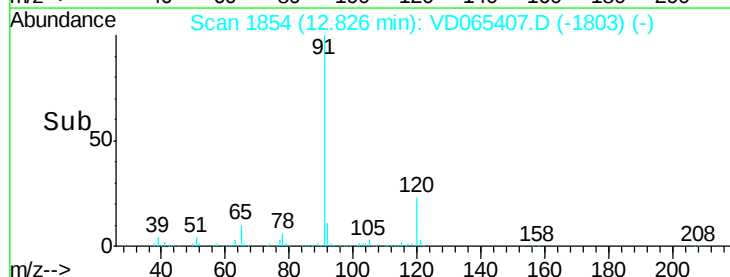
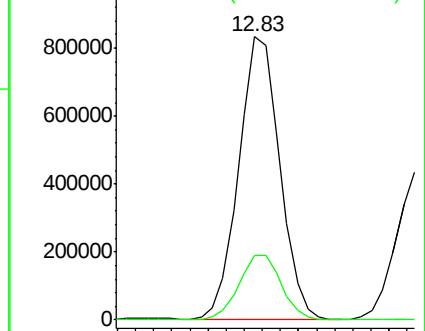
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.00 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

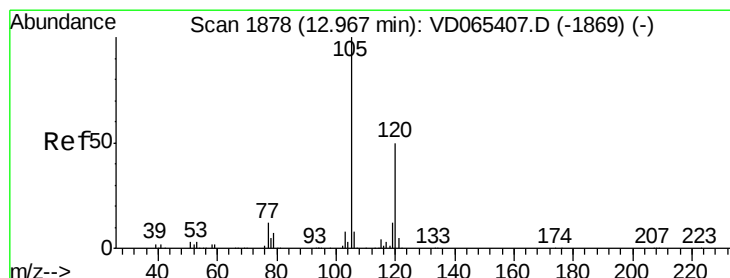
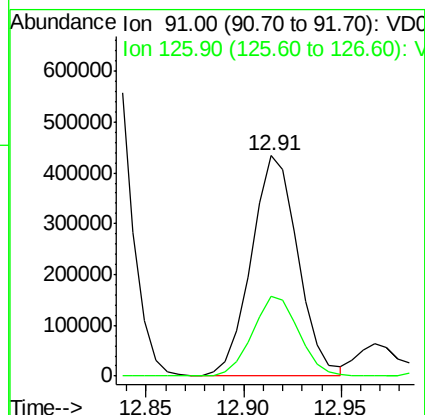
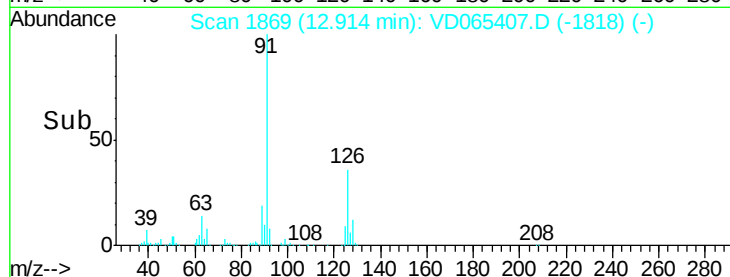
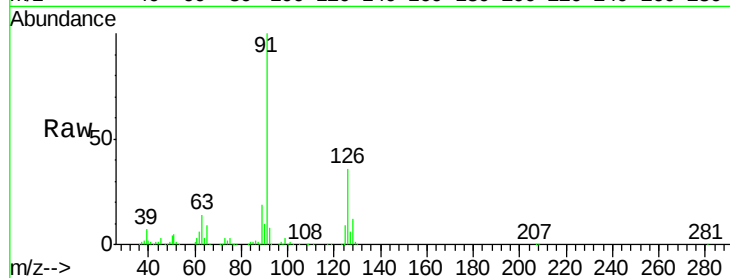
VSTDICCC050

Tgt Ion: 91 Resp: 716155

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 54.00 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065407.D

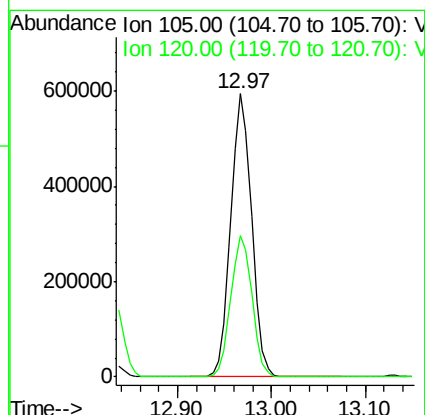
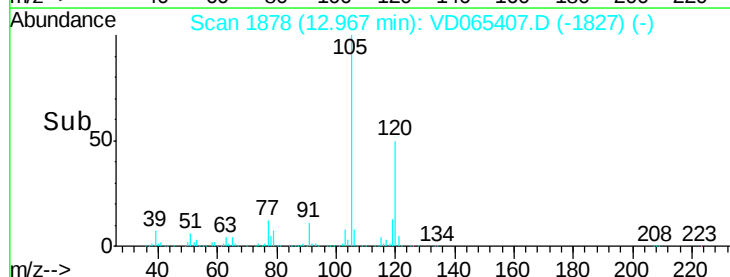
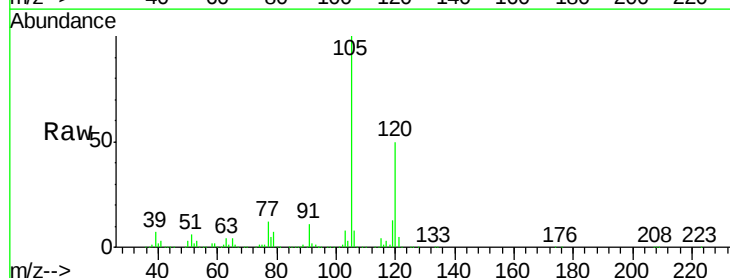
Acq: 04 Mar 2020 12:00

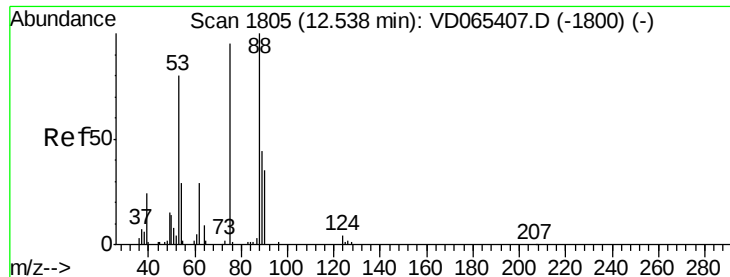
Tgt Ion: 105 Resp: 914413

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.0

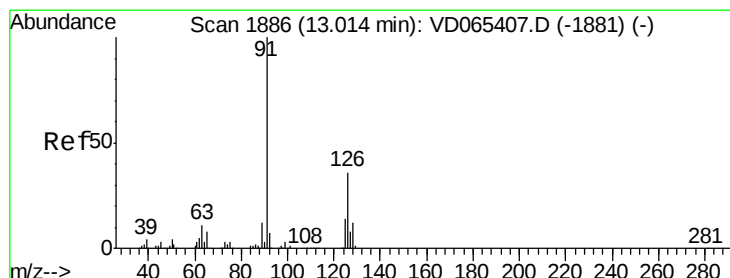
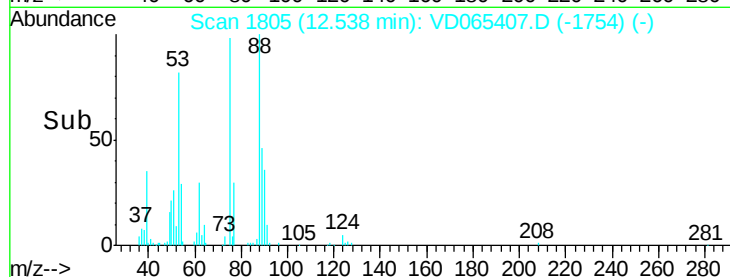
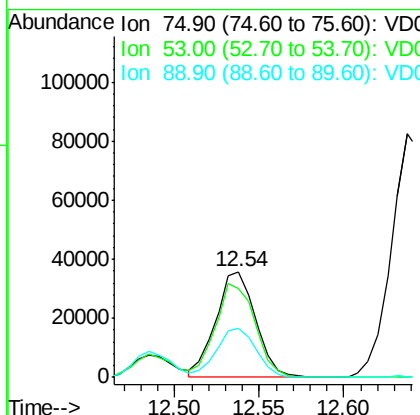
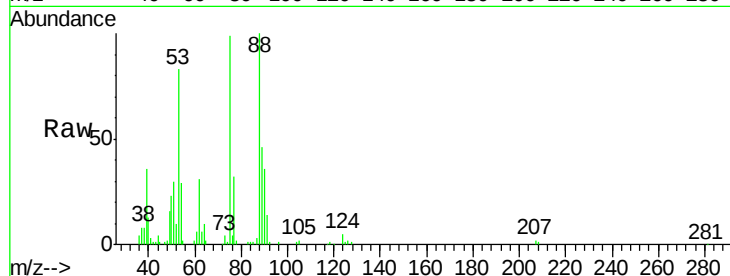




#81
trans-1,4-Dichloro-2-butene
Concen: 49.97 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

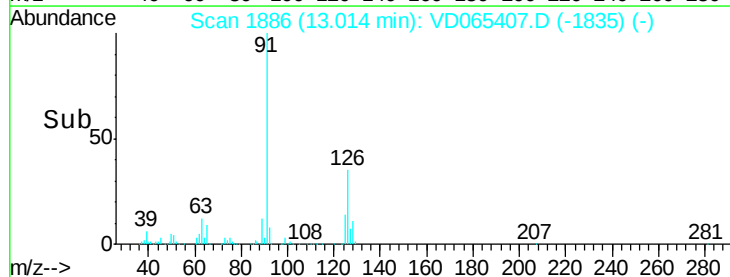
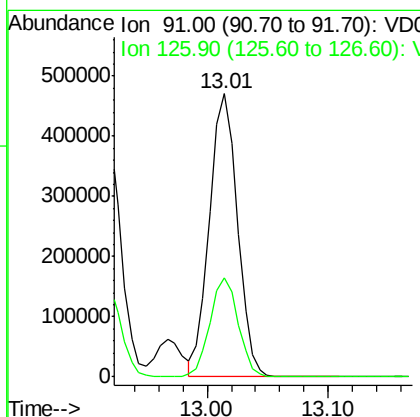
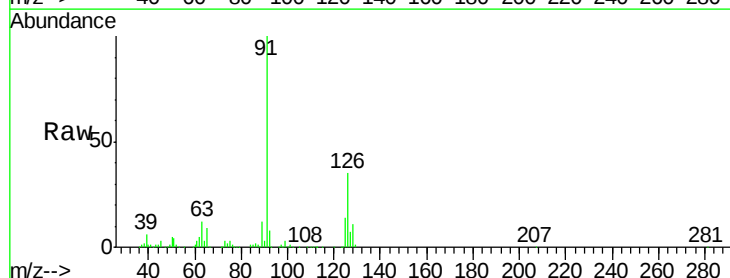
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

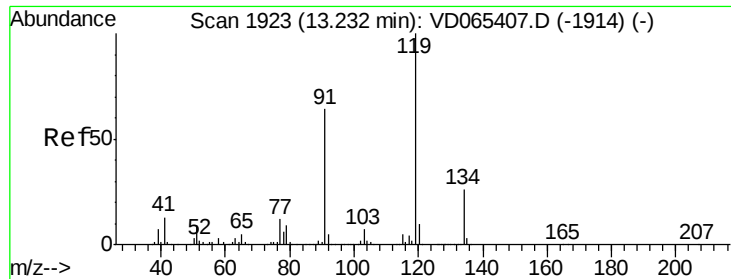
Tgt Ion: 75 Resp: 58647
Ion Ratio Lower Upper
75 100
53 89.1 71.3 106.9
89 46.3 37.0 55.6



#82
4-Chlorotoluene
Concen: 51.91 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion: 91 Resp: 753705
Ion Ratio Lower Upper
91 100
126 35.2 17.6 52.8

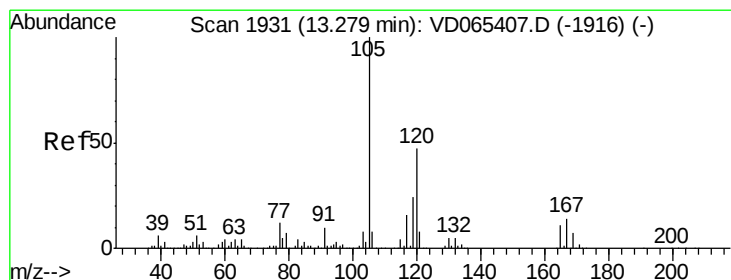
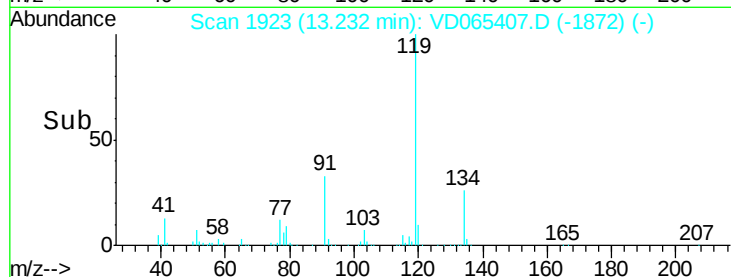
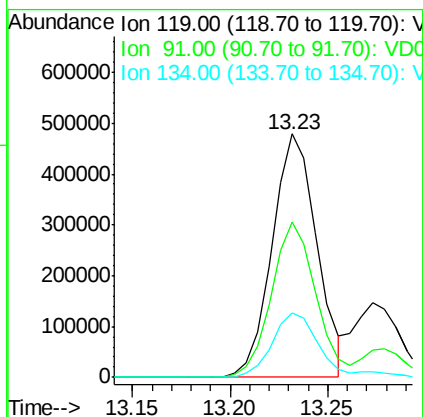
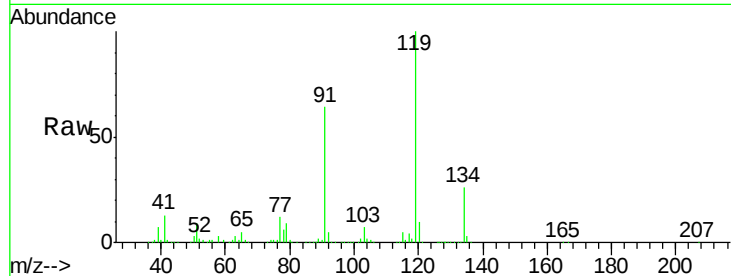




#83
 tert-Butylbenzene
 Concen: 53.11 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

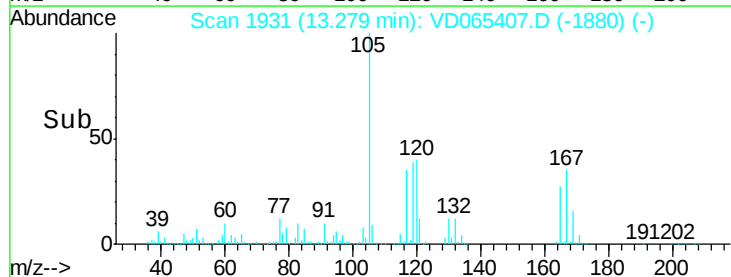
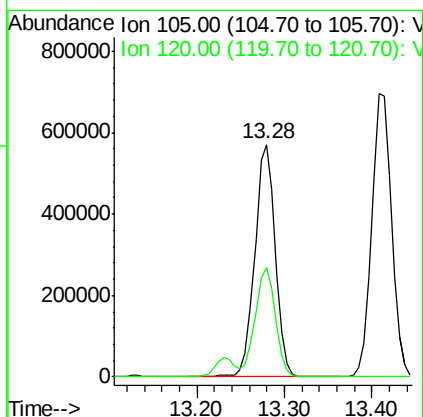
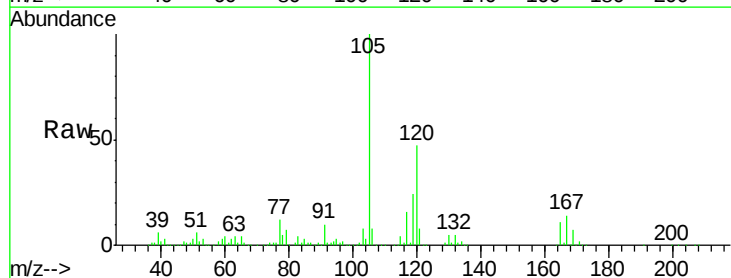
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:119 Resp: 759409
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 95.0
 134 28.5 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.10 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion:105 Resp: 904382
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3

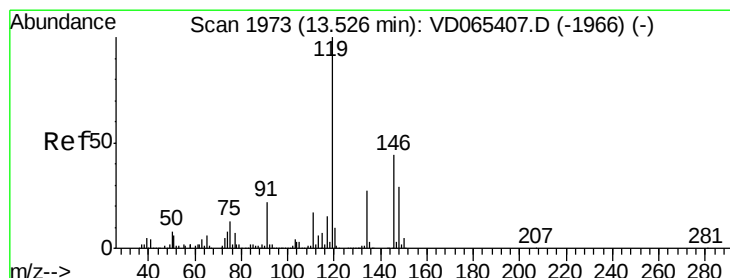
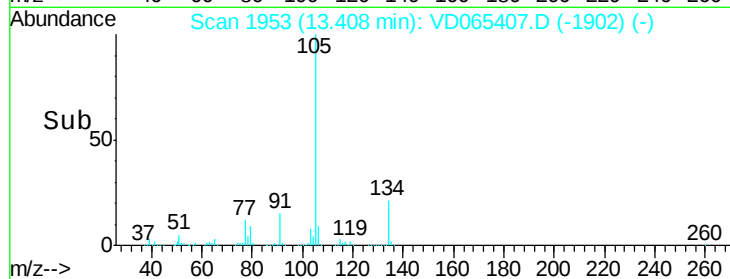
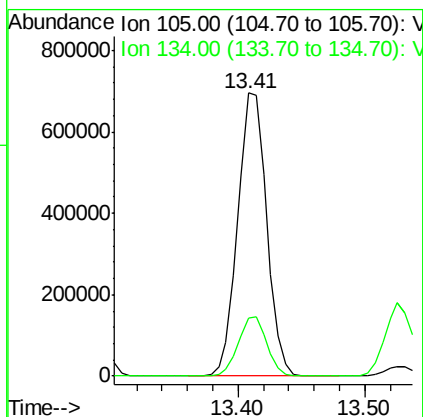
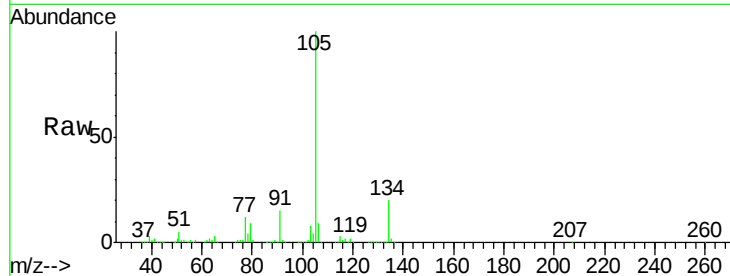




#85
 sec-Butylbenzene
 Concen: 53.90 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

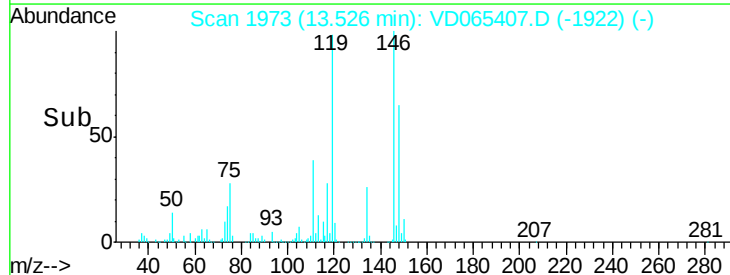
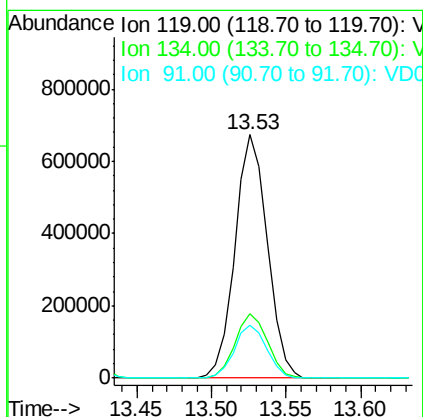
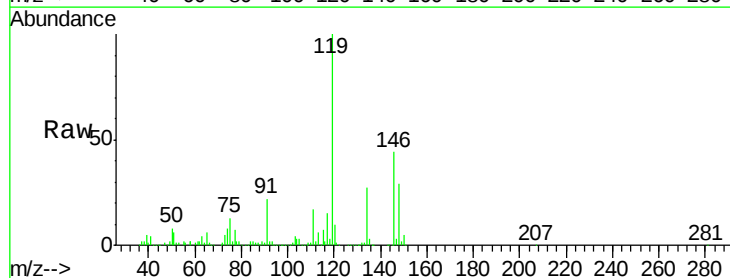
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 1100008
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 54.50 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion:119 Resp: 1015180
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 21.7 10.9 32.6

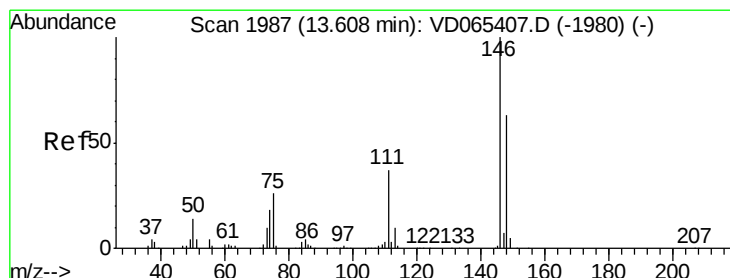
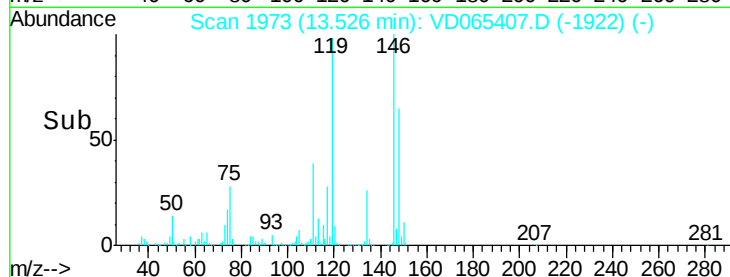
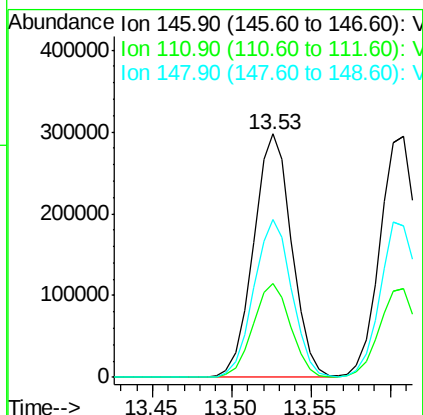
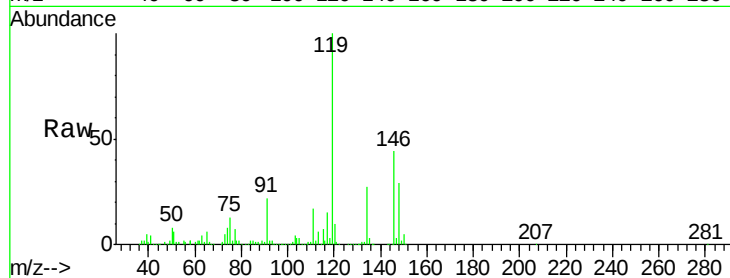




#87
 1,3-Dichlorobenzene
 Concen: 50.42 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

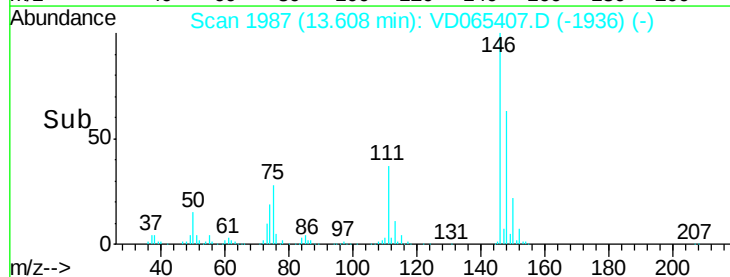
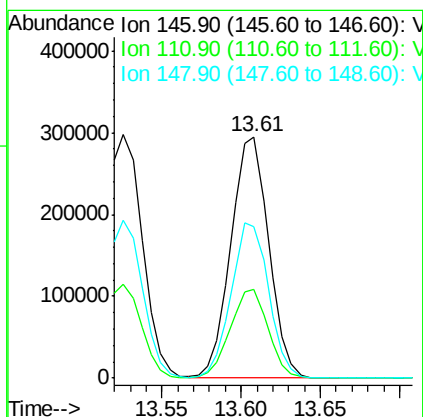
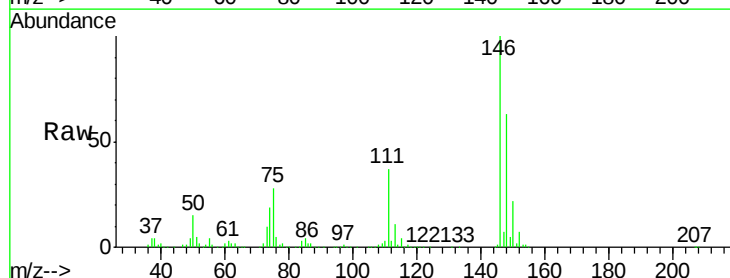
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

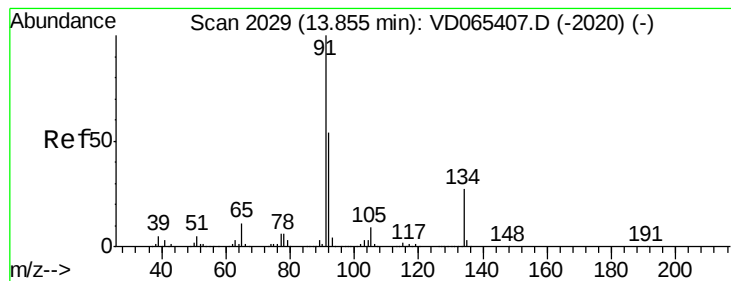
Tgt Ion:146 Resp: 496688
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.5 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 49.82 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion:146 Resp: 489510
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.5 55.5
 148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 54.49 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065407.D

Acq: 04 Mar 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

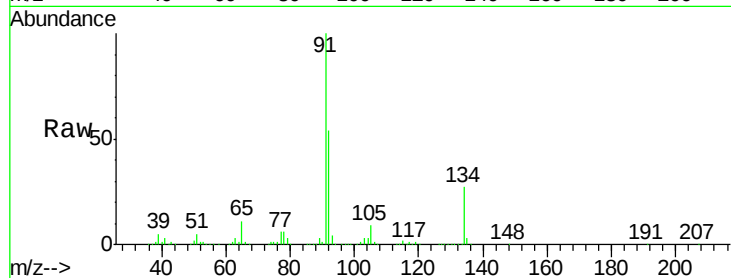
Tgt Ion: 91 Resp: 936692

Ion Ratio Lower Upper

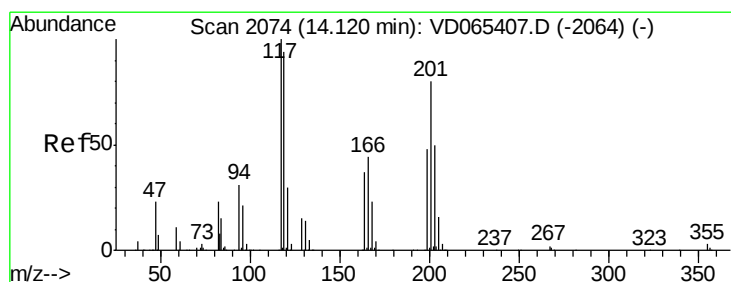
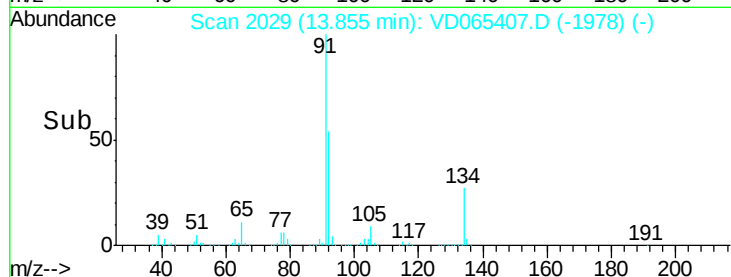
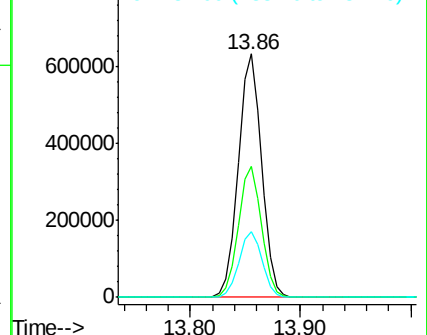
91 100

92 53.6 26.8 80.4

134 26.8 13.4 40.2



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



#90

Hexachloroethane

Concen: 51.06 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065407.D

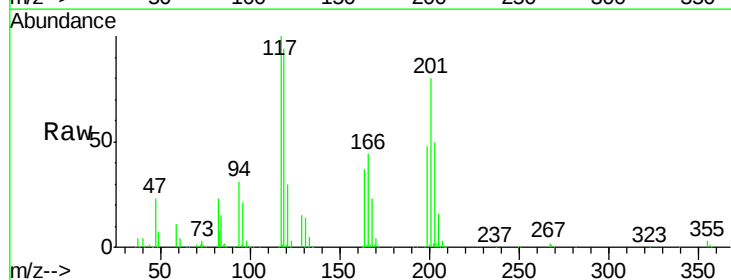
Acq: 04 Mar 2020 12:00

Tgt Ion: 117 Resp: 196420

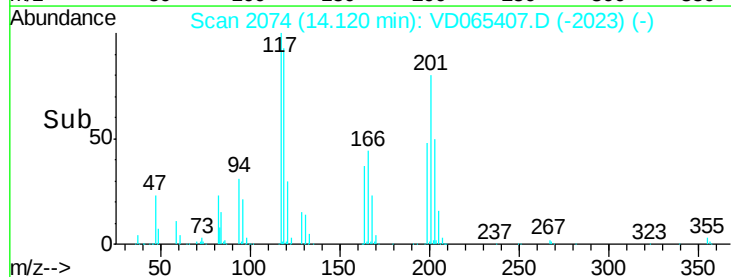
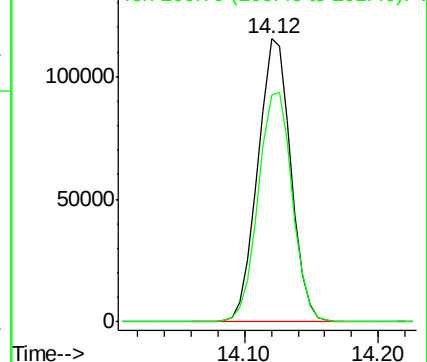
Ion Ratio Lower Upper

117 100

201 83.7 41.9 125.6



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

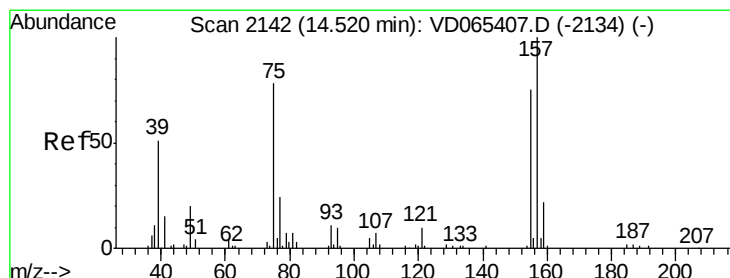
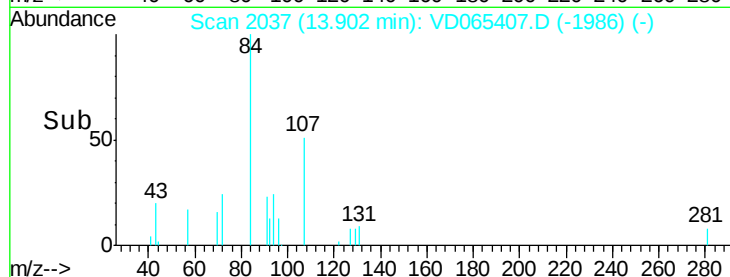
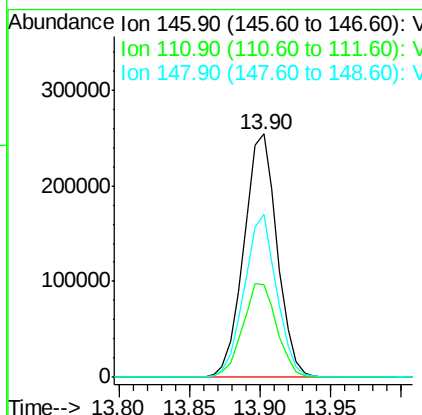
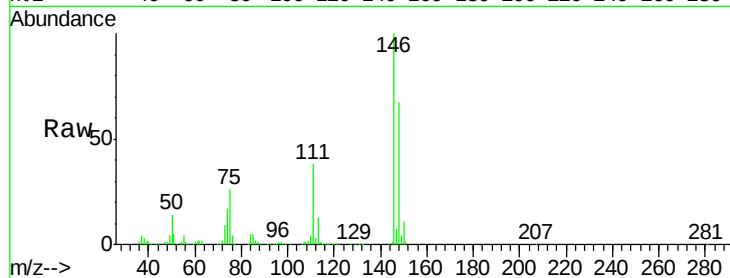




#91
1,2-Dichlorobenzene
Concen: 49.69 ug/l
RT: 13.90 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

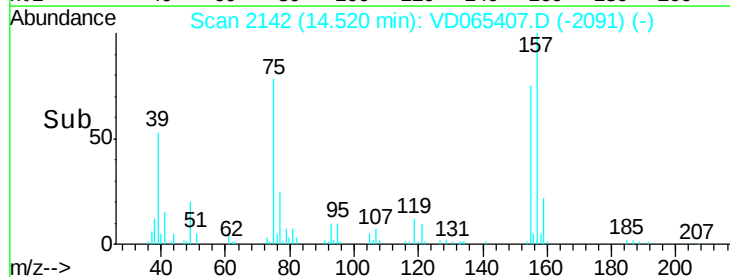
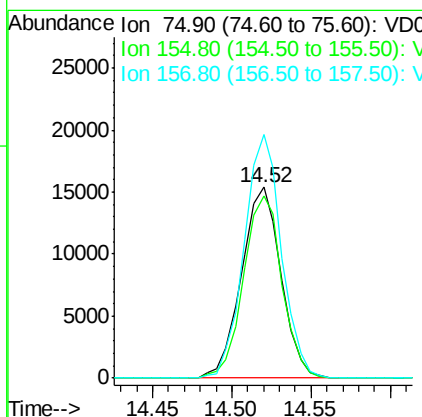
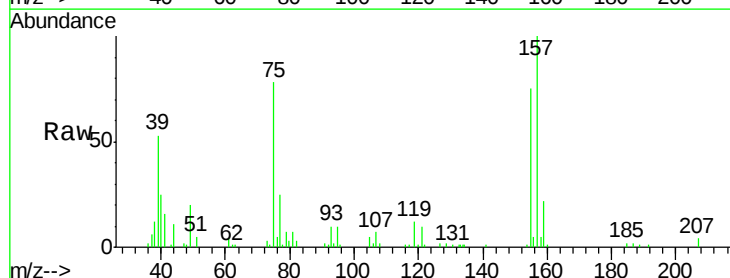
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

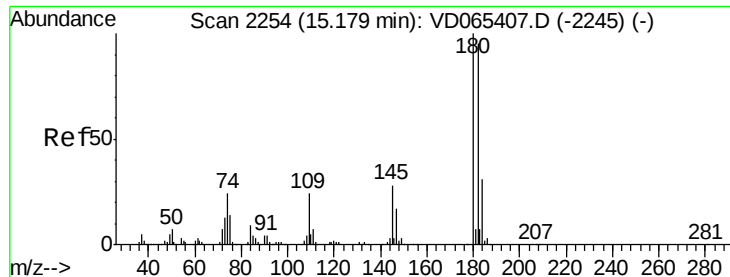
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	65.2	32.6	97.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.53 ug/l
RT: 14.52 min Scan# 2142
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	46.4	139.1
157	120.3	60.2	180.4

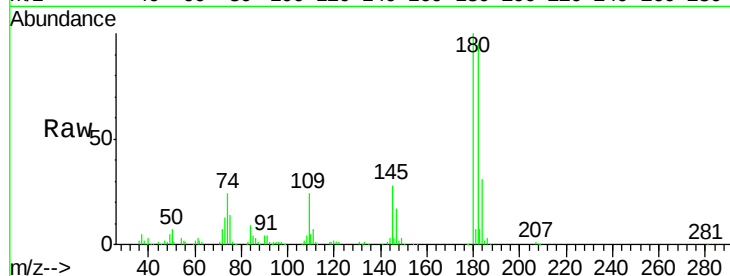




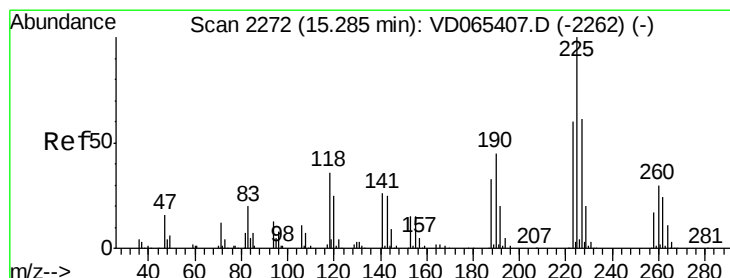
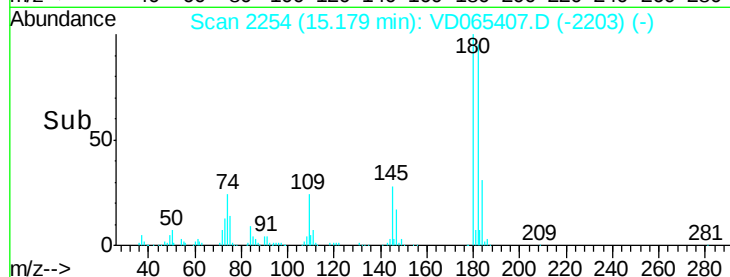
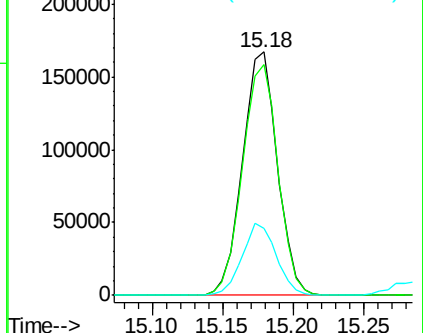
#93
 1,2,4-Trichlorobenzene
 Concen: 51.00 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 289705
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.3 144.9
 145 28.9 14.4 43.4

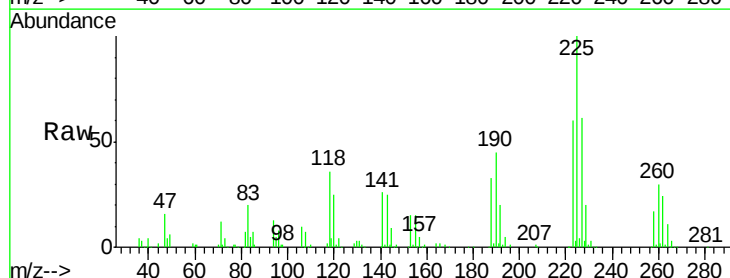


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

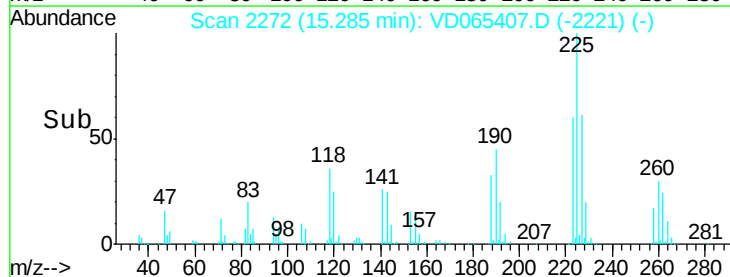
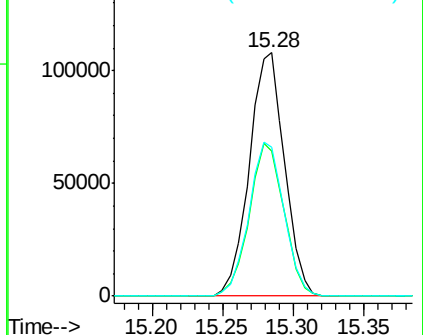


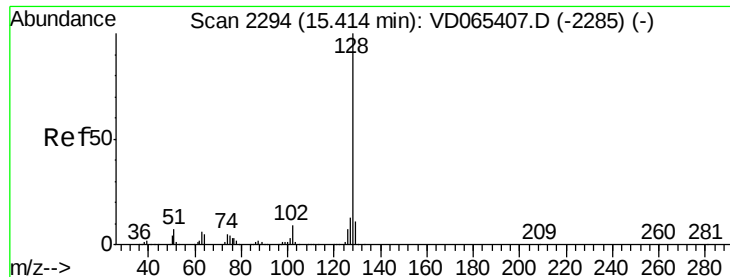
#94
 Hexachlorobutadiene
 Concen: 51.04 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VD065407.D
 Acq: 04 Mar 2020 12:00

Tgt Ion:225 Resp: 189644
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.9 92.5
 227 63.1 31.6 94.7



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

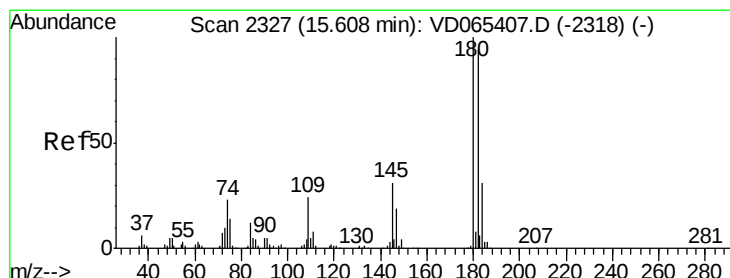
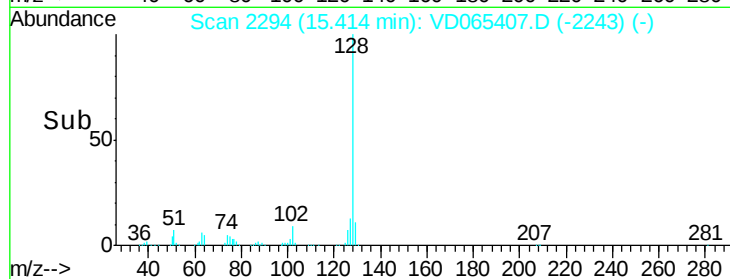
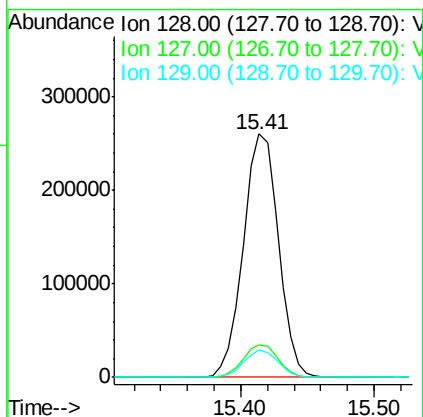
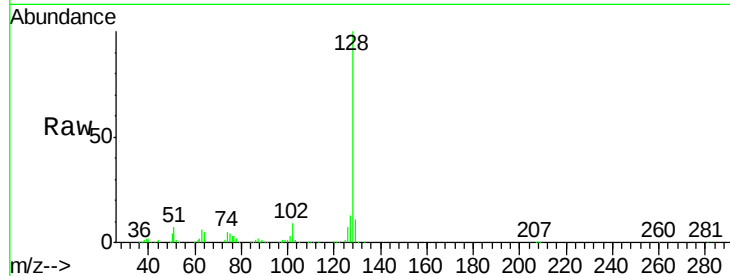




#95
Naphthalene
Concen: 51.77 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 472900
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.14 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065407.D
Acq: 04 Mar 2020 12:00

Tgt Ion:180 Resp: 252322
Ion Ratio Lower Upper
180 100
182 93.7 46.9 140.6
145 30.1 15.0 45.1

