

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064931.D
 Acq On : 23 Jan 2020 12:21
 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: Jan 23 12:49:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	462006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	669361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	600380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291886	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	229543	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
35) Dibromofluoromethane	7.92	113	221953	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.34	98	873377	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.64	95	262065	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	176753	49.46	ug/l	100
3) Chloromethane	2.21	50	248306	49.53	ug/l	100
4) Vinyl Chloride	2.35	62	288415	47.43	ug/l	100
5) Bromomethane	2.77	94	187070	42.88	ug/l	100
6) Chloroethane	2.93	64	190014	47.10	ug/l	100
7) Trichlorofluoromethane	3.27	101	446417	44.33	ug/l	100
8) Diethyl Ether	3.71	74	100442	49.23	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	207100	48.88	ug/l	100
10) Methyl Iodide	4.29	142	239870	52.88	ug/l	100
11) Tert butyl alcohol	5.24	59	65809	279.92	ug/l	100
12) 1,1-Dichloroethene	4.06	96	195612	48.52	ug/l	100
13) Acrolein	3.93	56	74220	233.13	ug/l	100
14) Allyl chloride	4.71	41	318471	50.32	ug/l	100
15) Acrylonitrile	5.43	53	217603	255.66	ug/l	100
16) Acetone	4.17	43	235402	276.30	ug/l	100
17) Carbon Disulfide	4.40	76	648183	49.41	ug/l	100
18) Methyl Acetate	4.73	43	100830	44.84	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	453603	50.51	ug/l	100
20) Methylene Chloride	4.96	84	220352	45.52	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	227014	49.18	ug/l	100
22) Diisopropyl ether	6.37	45	641780	50.86	ug/l	100
23) Vinyl Acetate	6.31	43	1926203	268.35	ug/l	100
24) 1,1-Dichloroethane	6.27	63	383742	50.59	ug/l	100
25) 2-Butanone	7.23	43	308397	272.61	ug/l	100
26) 2,2-Dichloropropane	7.21	77	345774	49.21	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	241332	48.73	ug/l	100
28) Bromochloromethane	7.56	49	174535	58.27	ug/l	100
29) Tetrahydrofuran	7.57	42	184400	264.09	ug/l	100
30) Chloroform	7.71	83	394456	49.66	ug/l	100
31) Cyclohexane	7.98	56	364817	48.03	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	369774	49.58	ug/l	100
36) 1,1-Dichloropropene	8.11	75	324048	50.29	ug/l	100
37) Ethyl Acetate	7.30	43	127407	50.69	ug/l	100
38) Carbon Tetrachloride	8.10	117	345323	50.41	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	388608	50.05	ug/l	100
40) Benzene	8.36	78	886882	50.38	ug/l	100
41) Methacrylonitrile	7.54	41	82460	55.98	ug/l	100
42) 1,2-Dichloroethane	8.43	62	263803	51.65	ug/l	100
43) Isopropyl Acetate	8.46	43	251438	50.20	ug/l	100
44) Trichloroethene	9.11	130	244445	47.76	ug/l	100
45) 1,2-Dichloropropane	9.39	63	210807	50.25	ug/l	100
46) Dibromomethane	9.48	93	114241	49.23	ug/l	100
47) Bromodichloromethane	9.67	83	303044	48.99	ug/l	100
48) Methyl methacrylate	9.46	41	119703	51.08	ug/l	100
49) 1,4-Dioxane	9.47	88	28137	1035.03	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	644037	258.35	ug/l	100
52) Toluene	10.41	92	572763	49.80	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	296392	51.11	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	344510	50.52	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	156851	49.83	ug/l	100
56) Ethyl methacrylate	10.67	69	199256	50.81	ug/l	100
57) 1,3-Dichloropropane	10.95	76	273372	50.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	287883	198.15	ug/l	100
59) 2-Hexanone	10.99	43	457298	269.62	ug/l	100
60) Dibromochloromethane	11.14	129	210388	48.66	ug/l	100
61) 1,2-Dibromoethane	11.25	107	151213	48.98	ug/l	100
64) Tetrachloroethene	10.88	164	217144	47.64	ug/l	100
65) Chlorobenzene	11.67	112	588955	47.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	226566	48.69	ug/l	100
67) Ethyl Benzene	11.75	91	1098226	49.00	ug/l	100
68) m/p-Xylenes	11.86	106	847493	98.20	ug/l	100
69) o-Xylene	12.18	106	375525	48.27	ug/l	100
70) Styrene	12.20	104	682579	49.70	ug/l	100
71) Bromoform	12.37	173	125824	47.70	ug/l	# 100
73) Isopropylbenzene	12.48	105	1034838	50.01	ug/l	100
74) N-amyl acetate	12.30	43	228570	51.54	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	166635	50.93	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	222877	92.81	ug/l	# 100
77) Bromobenzene	12.77	156	246372	48.59	ug/l	100
78) n-propylbenzene	12.83	91	1220336	50.39	ug/l	100
79) 2-Chlorotoluene	12.91	91	662378	49.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	838550	49.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57409	51.94	ug/l	100
82) 4-Chlorotoluene	13.01	91	695635	49.24	ug/l	100
83) tert-Butylbenzene	13.23	119	720869	49.04	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	848112	50.05	ug/l	100
85) sec-Butylbenzene	13.41	105	1001876	49.58	ug/l	100
86) p-Isopropyltoluene	13.53	119	957681	49.63	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	466118	48.21	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	459628	48.45	ug/l	100
89) n-Butylbenzene	13.85	91	882749	50.56	ug/l	100
90) Hexachloroethane	14.12	117	180099	48.86	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	400898	48.63	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26036	49.19	ug/l	100

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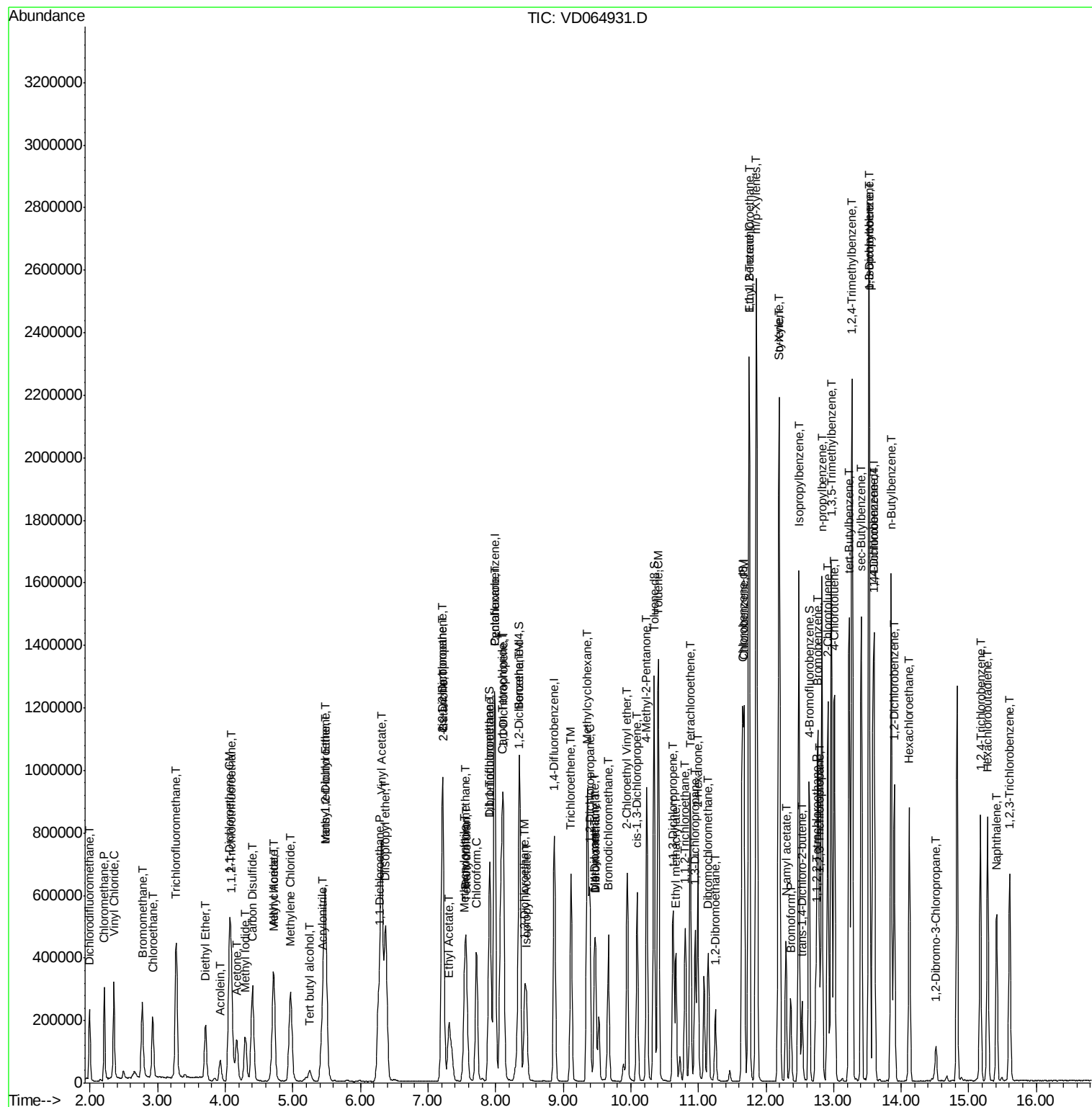
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278183	46.34	ug/l	100
94) Hexachlorobutadiene	15.28	225	170901	45.29	ug/l	100
95) Naphthalene	15.41	128	464373	48.75	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	243422	47.34	ug/l	100

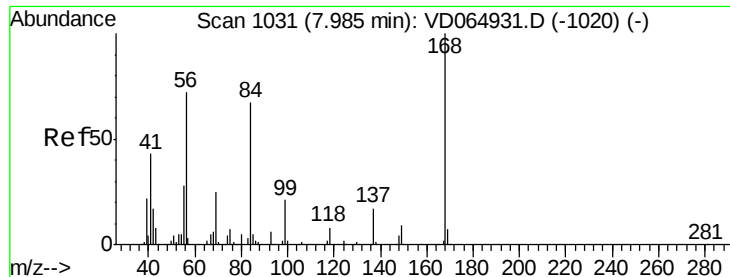
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

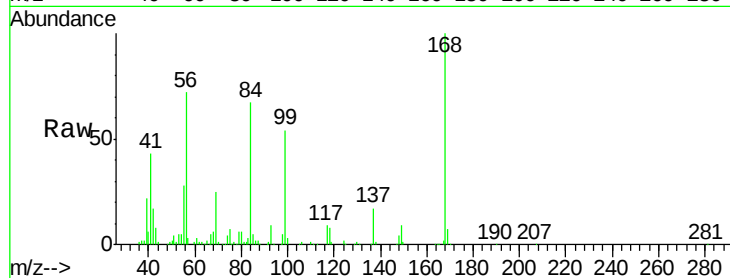
VSTDICCC050

Tgt Ion:168 Resp: 462006

Ion Ratio Lower Upper

168 100

99 54.1 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

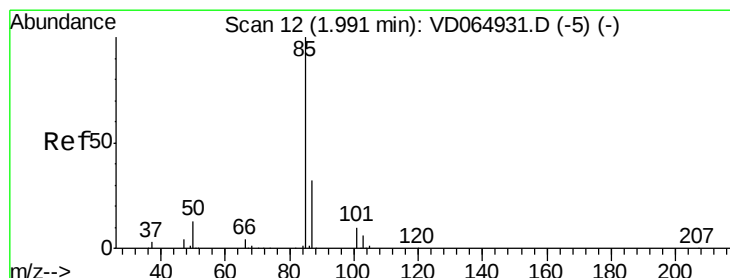
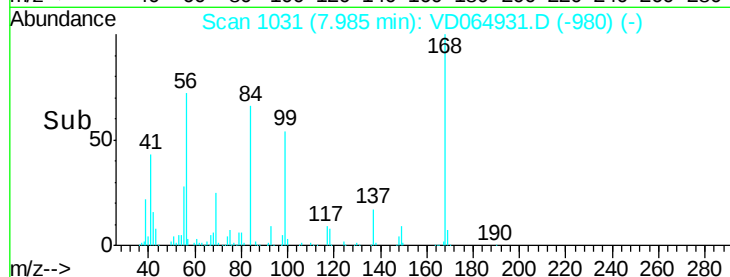
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.46 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064931.D

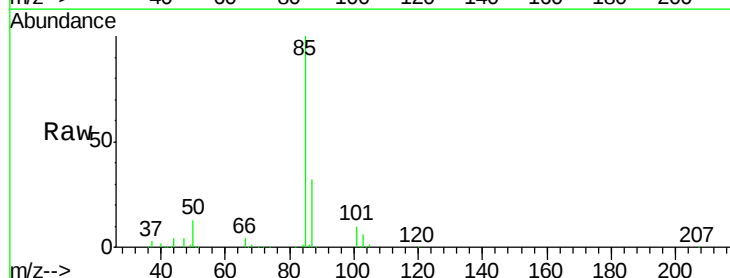
Acq: 23 Jan 2020 12:21

Tgt Ion: 85 Resp: 176753

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

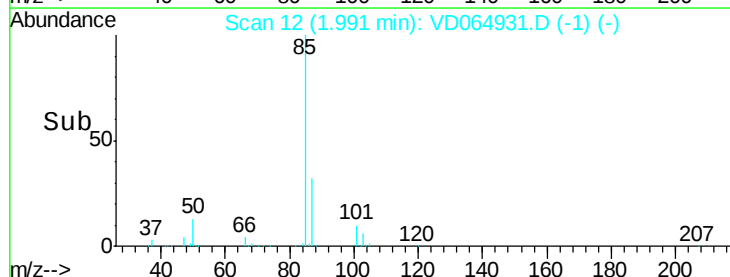
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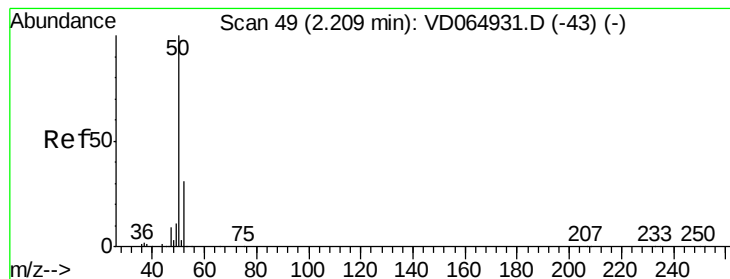
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 49.53 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

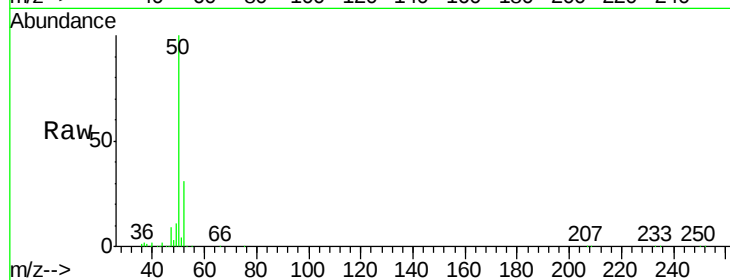
VSTDICCC050

Tgt Ion: 50 Resp: 248306

Ion Ratio Lower Upper

50 100

52 30.7 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

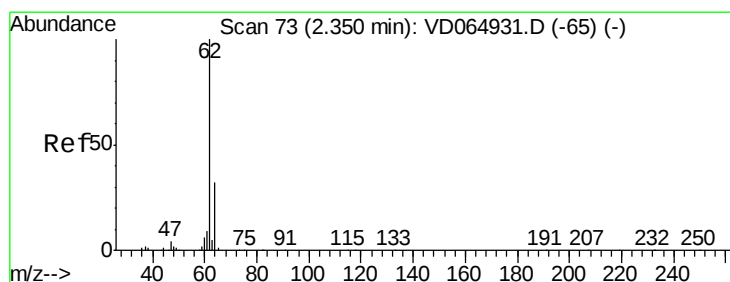
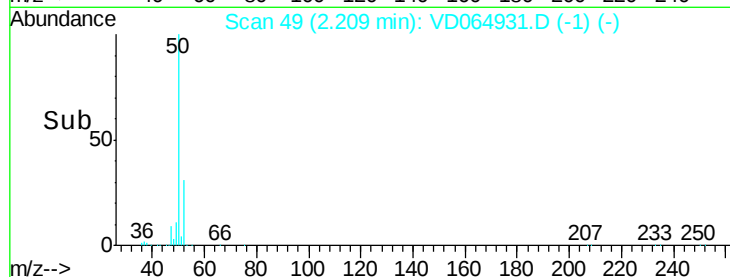
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.43 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064931.D

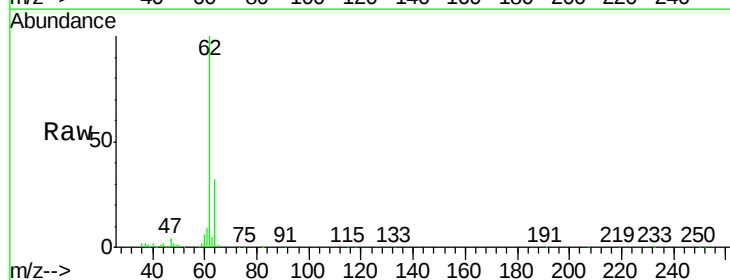
Acq: 23 Jan 2020 12:21

Tgt Ion: 62 Resp: 288415

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

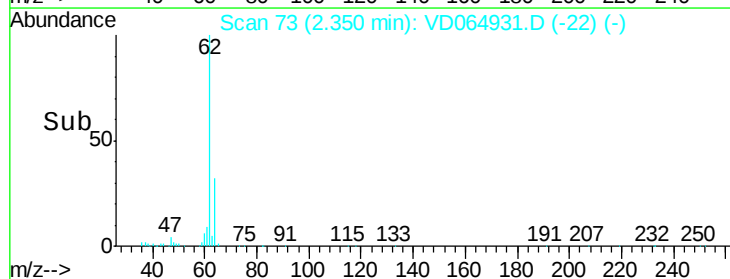
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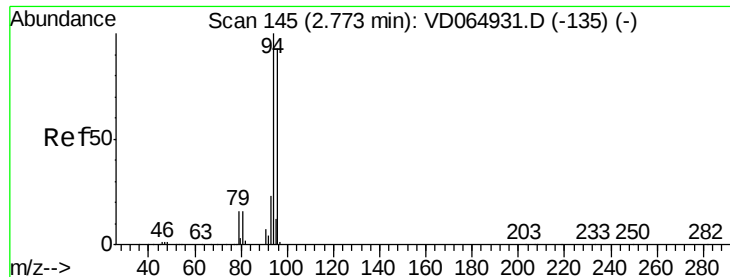
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.88 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

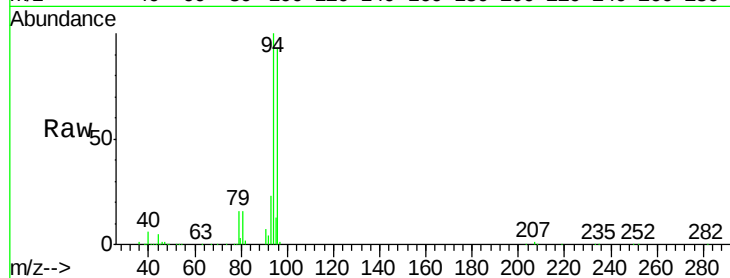
VSTDICCC050

Tgt Ion: 94 Resp: 187070

Ion Ratio Lower Upper

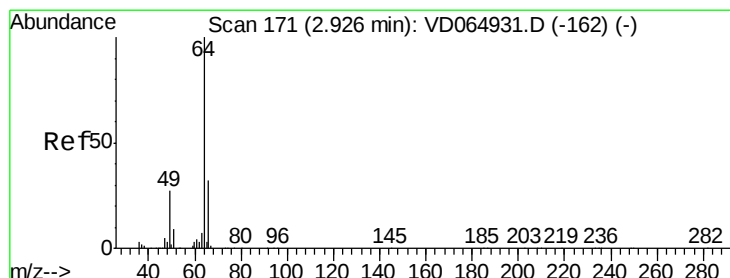
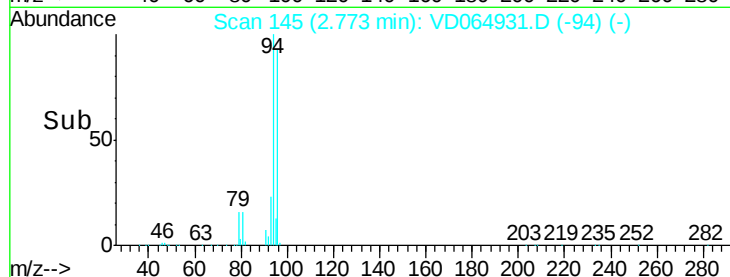
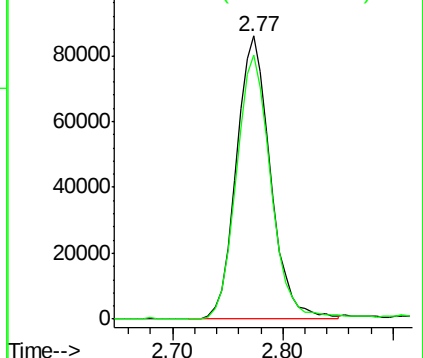
94 100

96 93.2 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.10 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064931.D

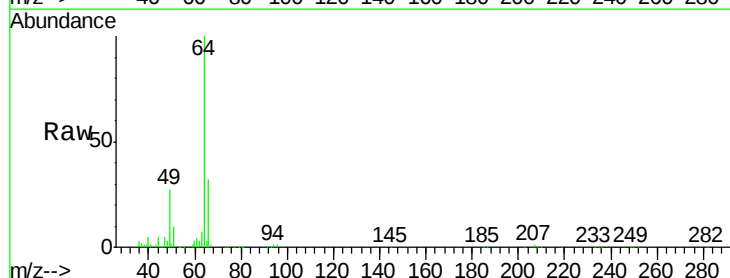
Acq: 23 Jan 2020 12:21

Tgt Ion: 64 Resp: 190014

Ion Ratio Lower Upper

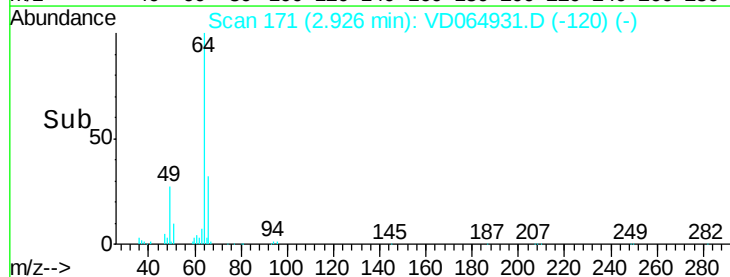
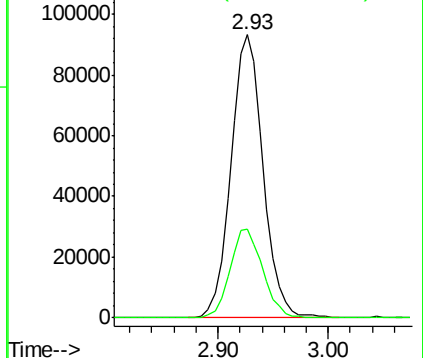
64 100

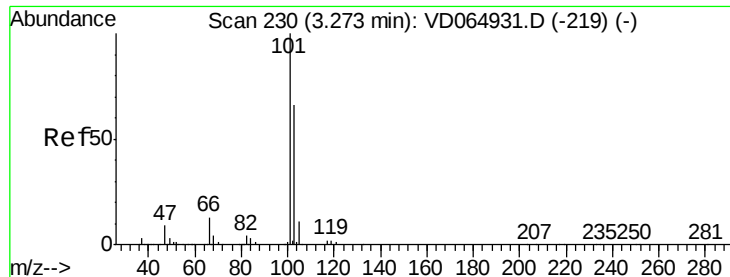
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



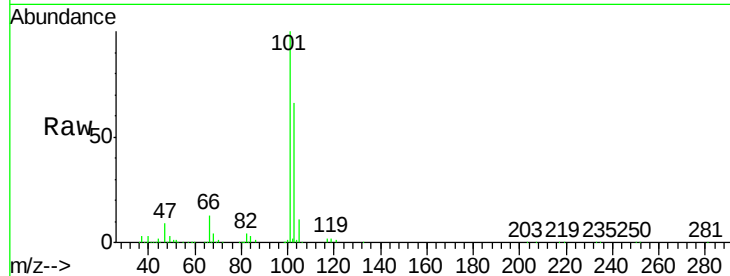


#7

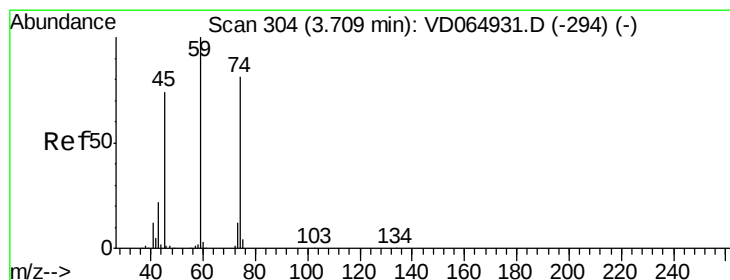
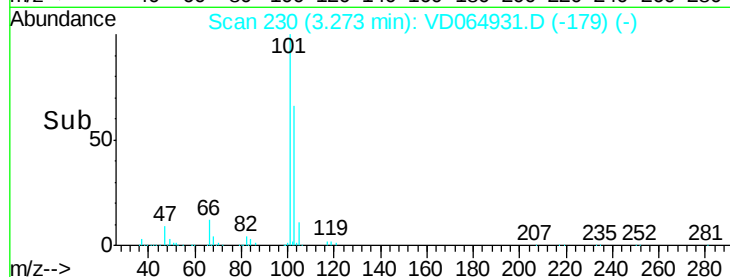
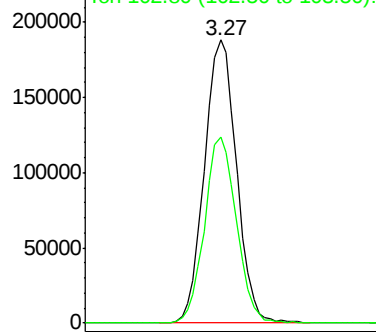
Trichlorofluoromethane
 Concen: 44.33 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tgt Ion: 101 Resp: 446417
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.5 78.7



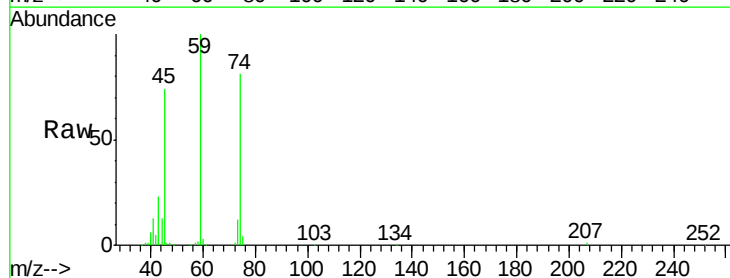
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



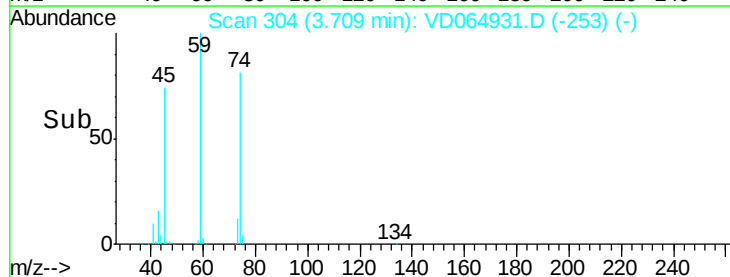
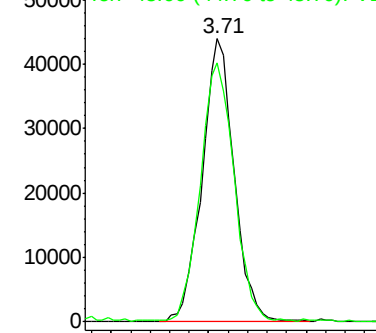
#8

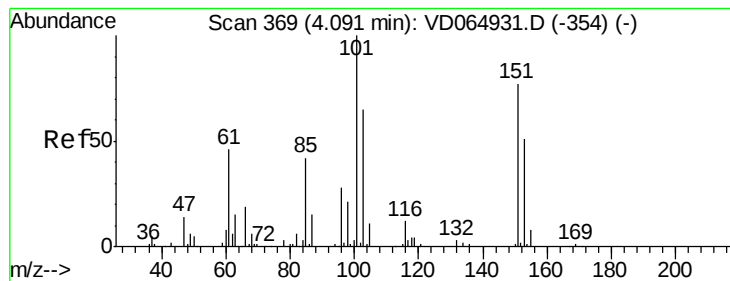
Diethyl Ether
 Concen: 49.23 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064931.D
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Tgt Ion: 74 Resp: 100442
 Ion Ratio Lower Upper
 74 100
 45 97.0 48.5 145.5



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: 48.88 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064931.D

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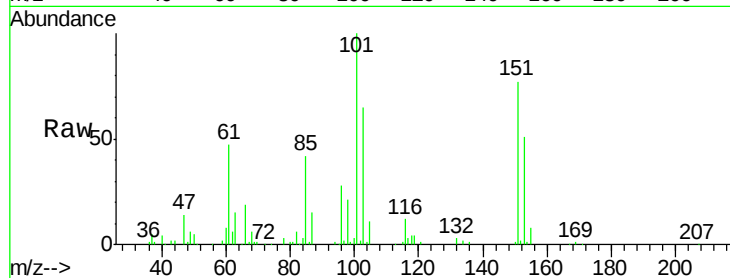
Tgt Ion:101 Resp: 207100

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

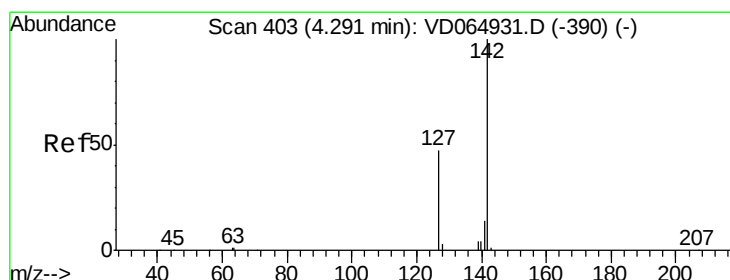
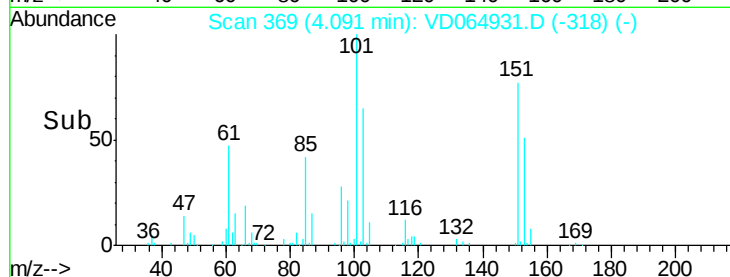
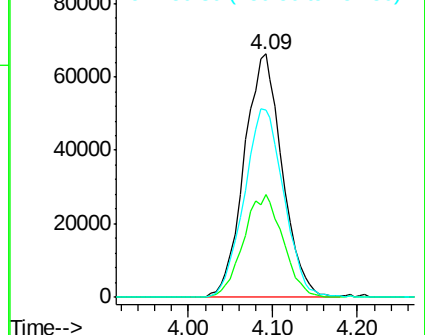
151 80.7 64.6 96.8



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: 52.88 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

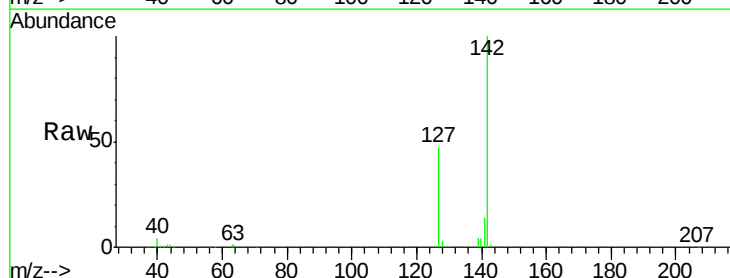
Tgt Ion:142 Resp: 239870

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.2

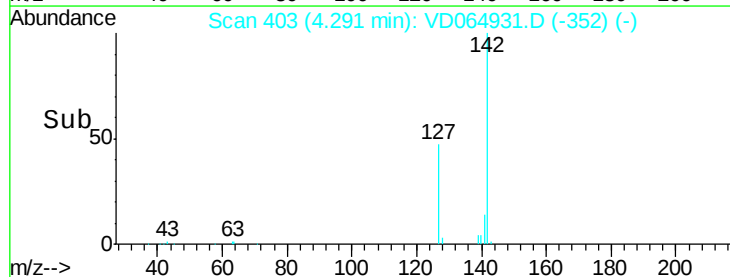
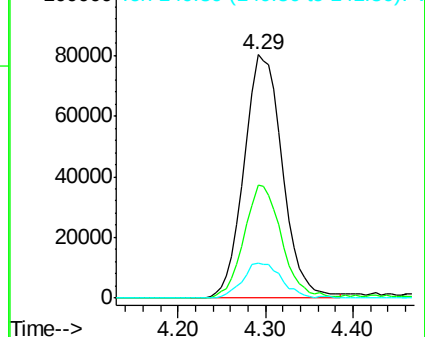
141 14.5 11.6 17.4

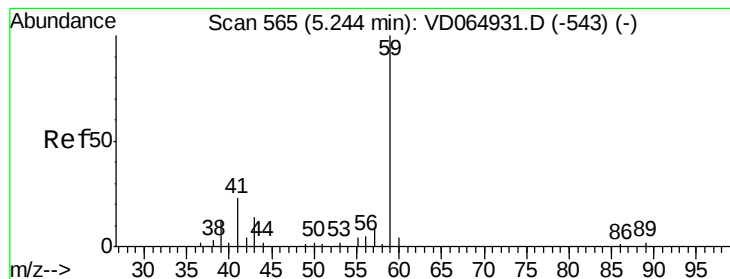


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 279.92 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

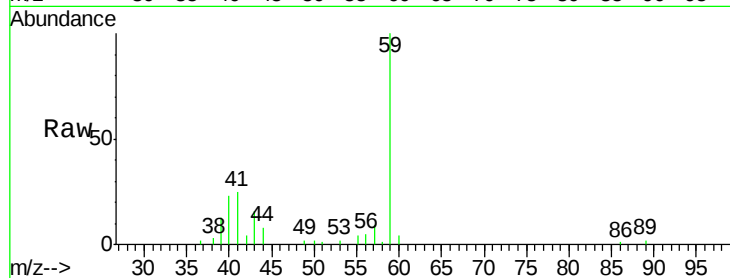
VSTDICCC050

Tgt Ion: 59 Resp: 65809

Ion Ratio Lower Upper

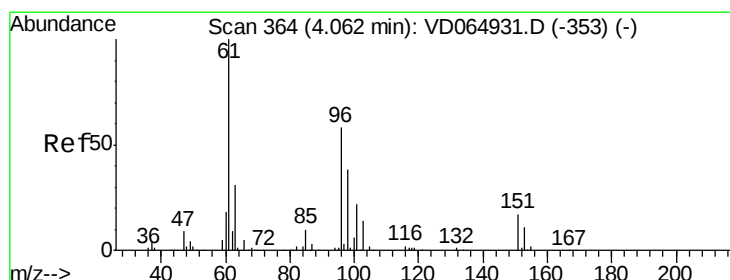
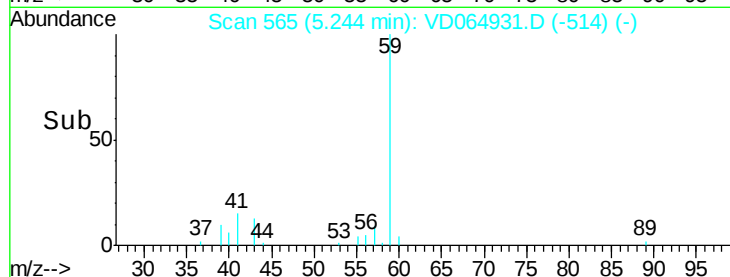
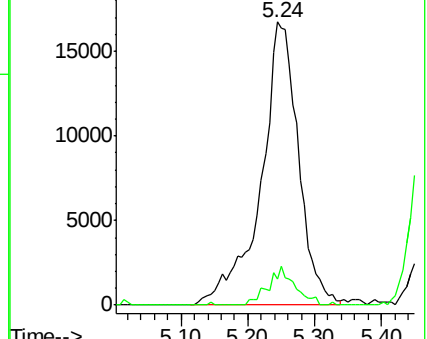
59 100

57 9.6 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 48.52 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

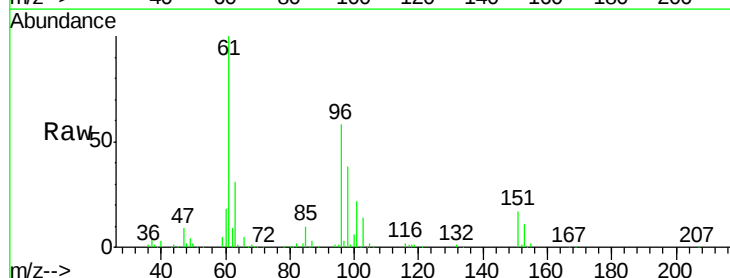
Tgt Ion: 96 Resp: 195612

Ion Ratio Lower Upper

96 100

61 171.2 137.0 205.4

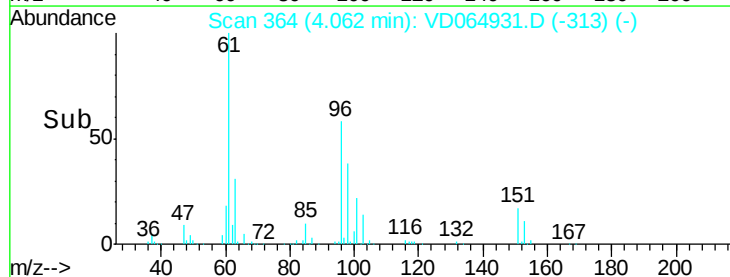
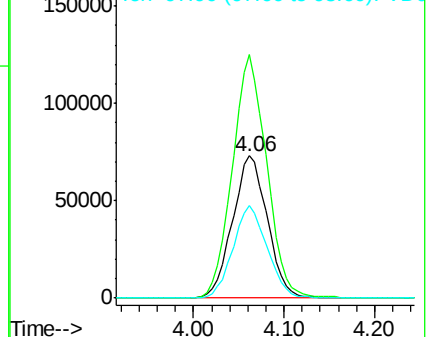
98 65.1 52.1 78.1

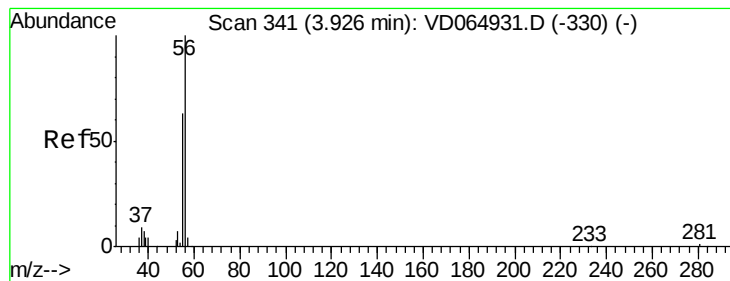


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 233.13 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

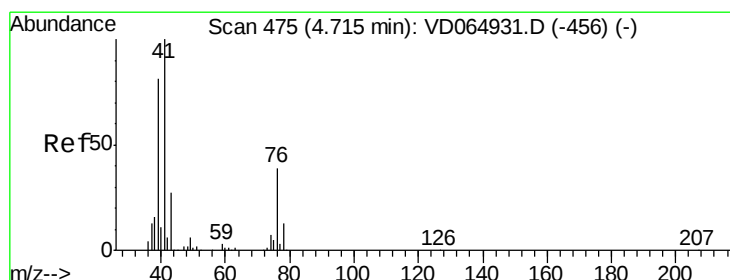
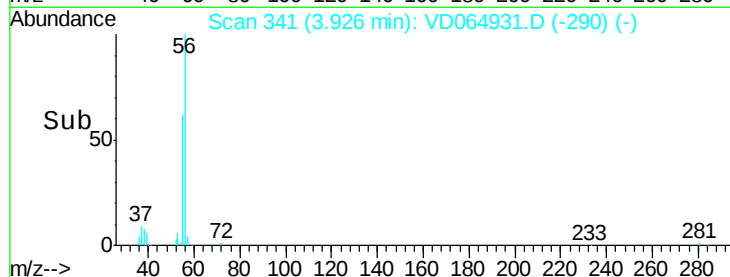
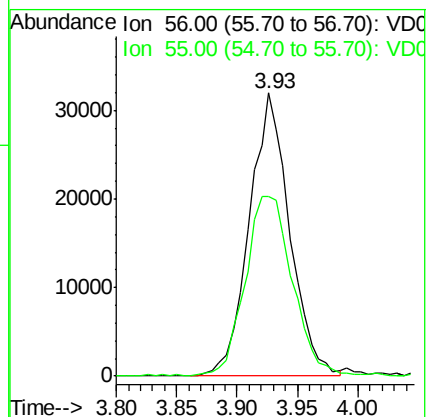
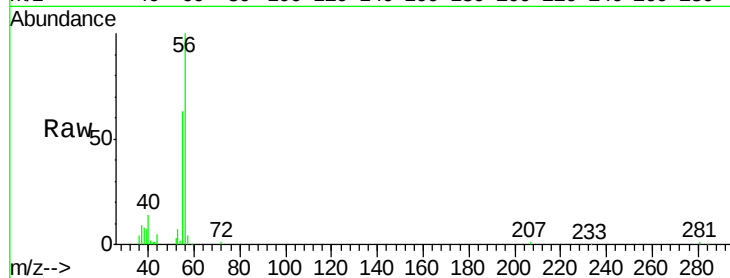
VSTDICCC050

Tgt Ion: 56 Resp: 74220

Ion Ratio Lower Upper

56 100

55 74.6 59.7 89.5



#14

Allyl chloride

Concen: 50.32 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

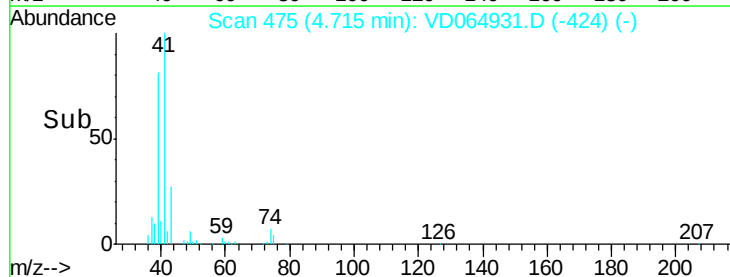
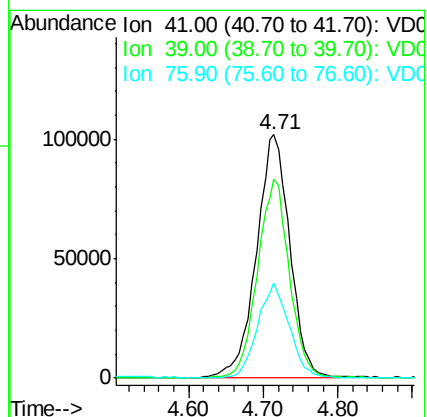
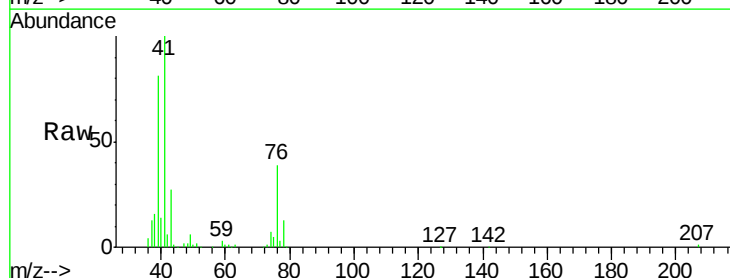
Tgt Ion: 41 Resp: 318471

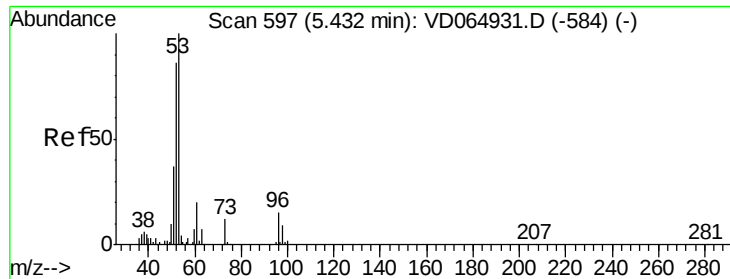
Ion Ratio Lower Upper

41 100

39 77.5 62.0 93.0

76 36.6 29.3 43.9





#15

Acrylonitrile

Concen: 255.66 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

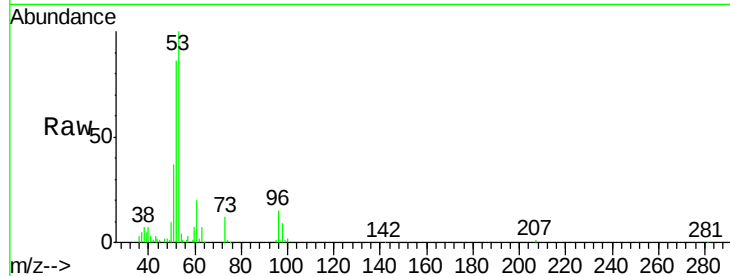
Tgt Ion: 53 Resp: 217603

Ion Ratio Lower Upper

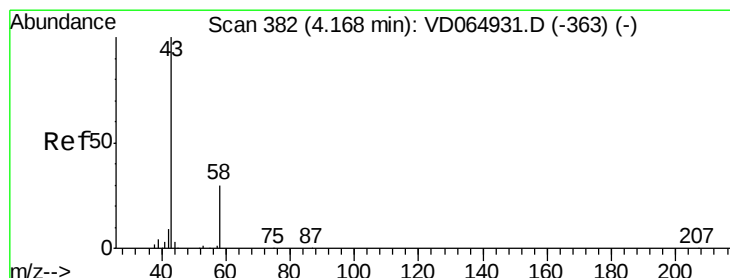
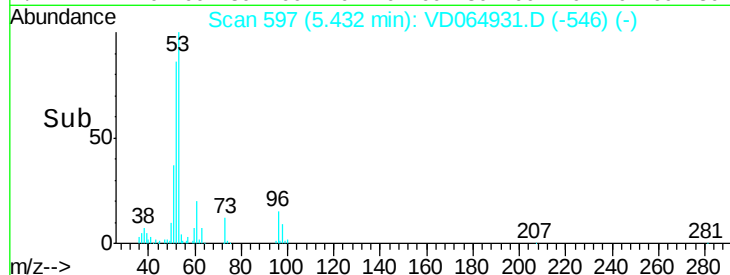
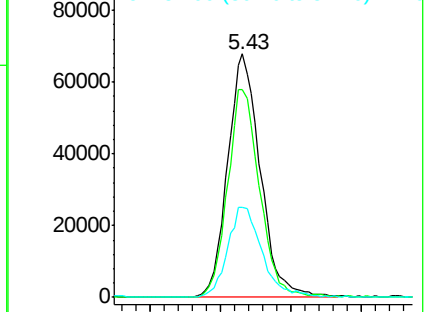
53 100

52 83.4 66.7 100.1

51 38.9 31.1 46.7



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



#16

Acetone

Concen: 276.30 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064931.D

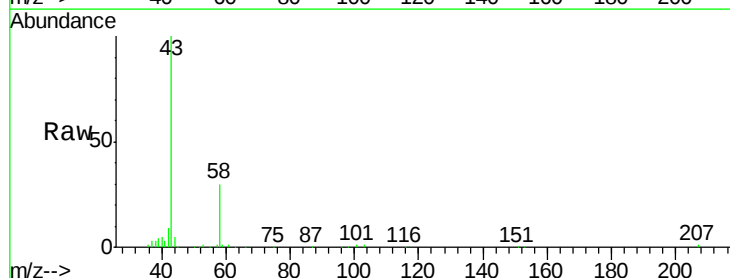
Acq: 23 Jan 2020 12:21

Tgt Ion: 43 Resp: 235402

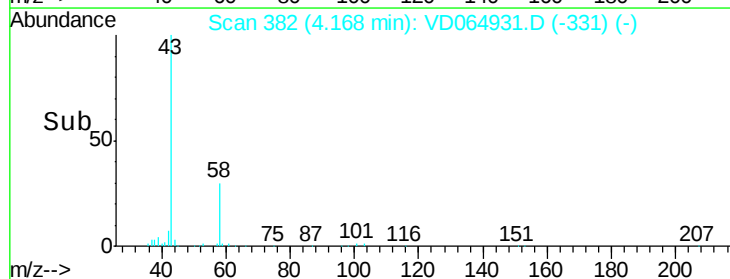
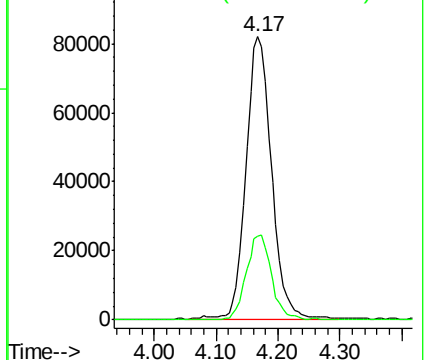
Ion Ratio Lower Upper

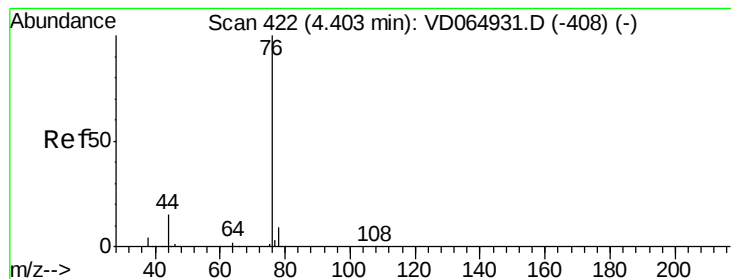
43 100

58 29.8 23.8 35.8



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





#17

Carbon Disulfide

Concen: 49.41 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

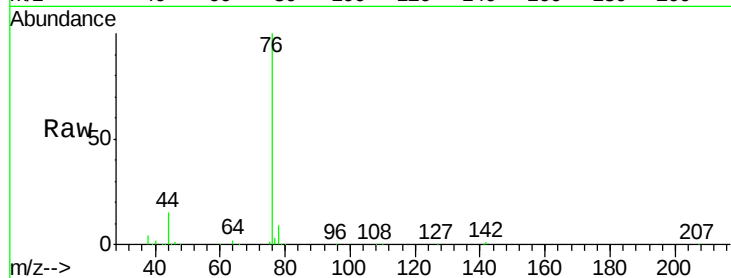
VSTDICCC050

Tgt Ion: 76 Resp: 648183

Ion Ratio Lower Upper

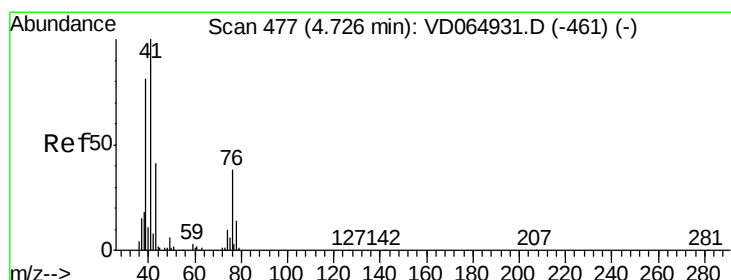
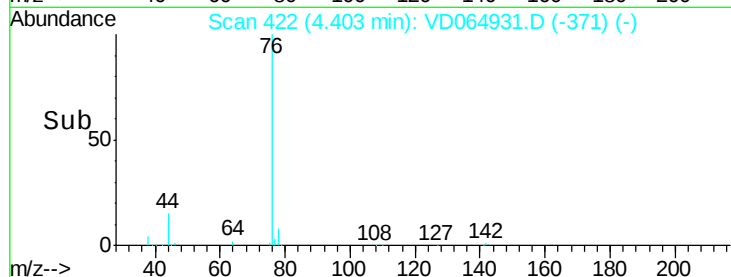
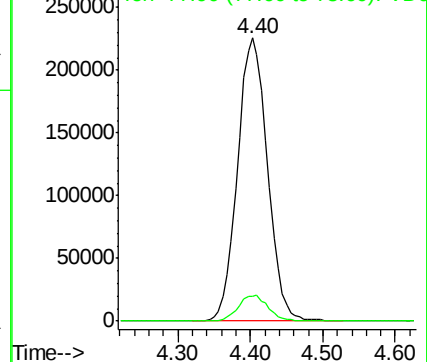
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 44.84 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064931.D

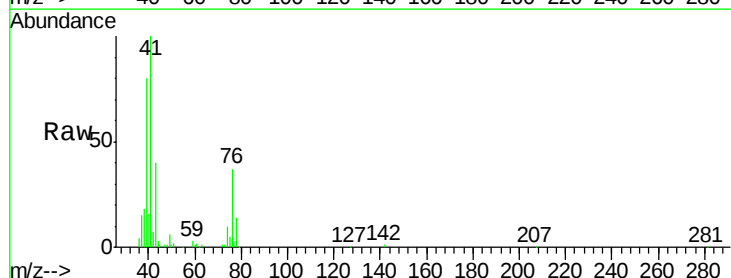
Acq: 23 Jan 2020 12:21

Tgt Ion: 43 Resp: 100830

Ion Ratio Lower Upper

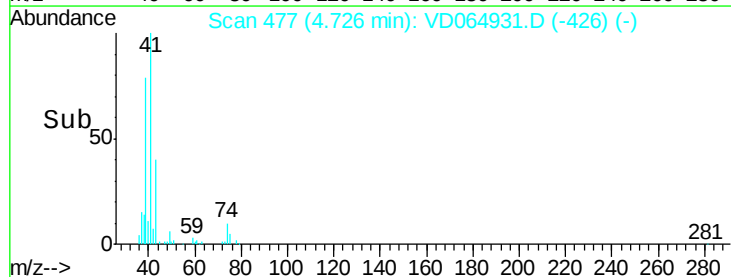
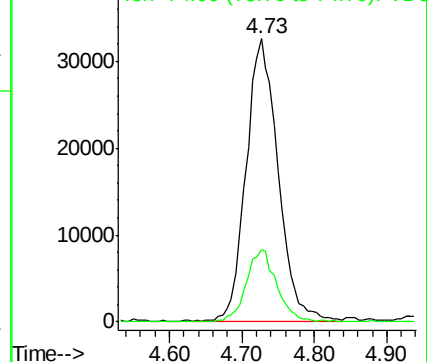
43 100

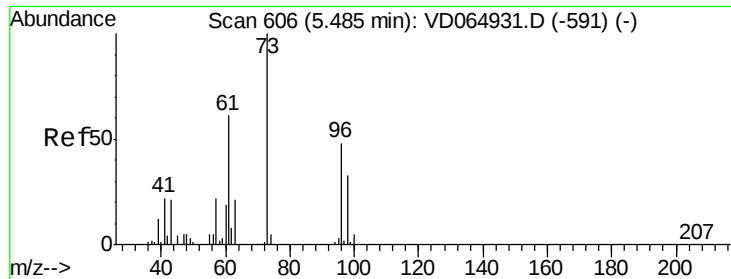
74 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

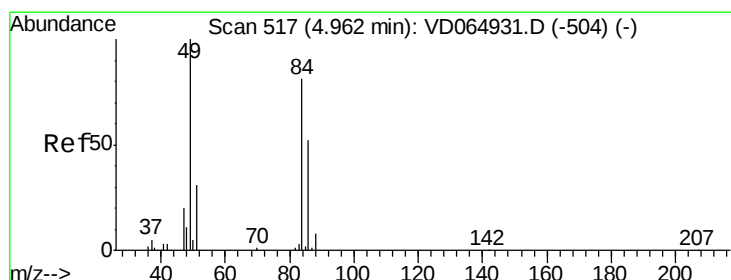
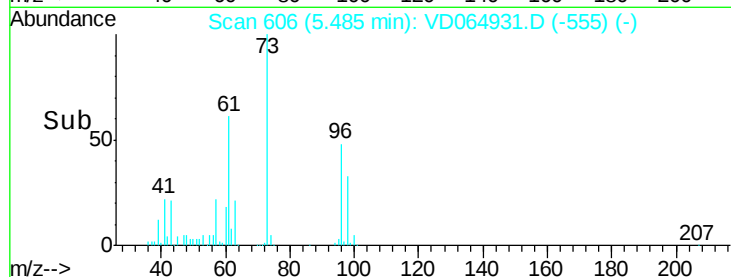
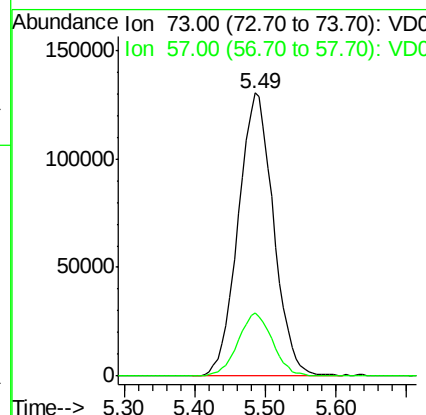
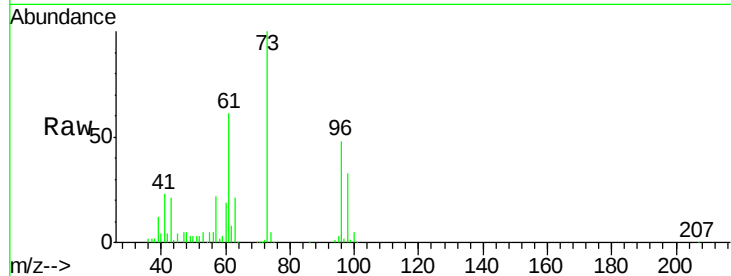




#19
Methyl tert-butyl Ether
Concen: 50.51 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

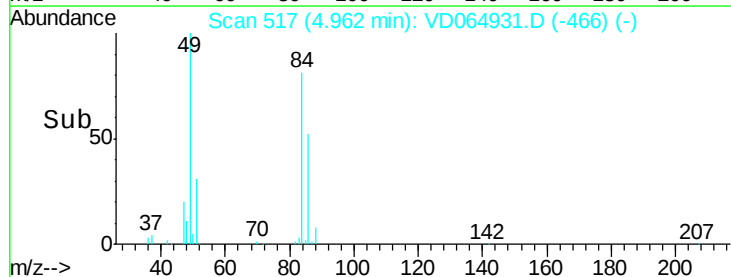
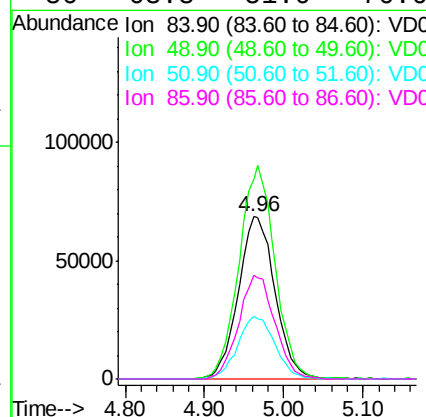
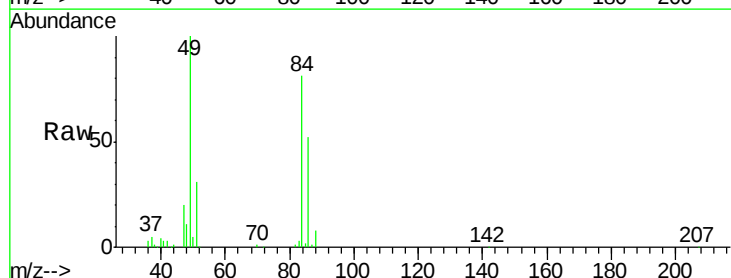
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

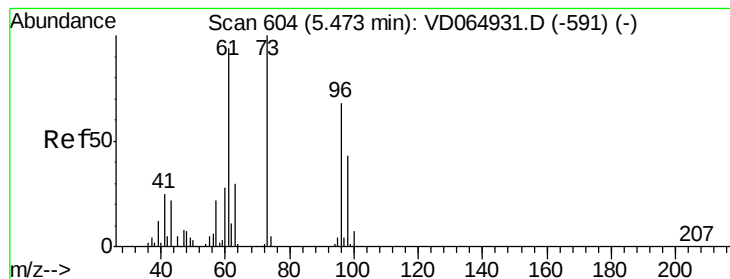
Tgt Ion: 73 Resp: 453603
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 45.52 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 84 Resp: 220352
Ion Ratio Lower Upper
84 100
49 123.0 98.4 147.6
51 38.5 30.8 46.2
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.18 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

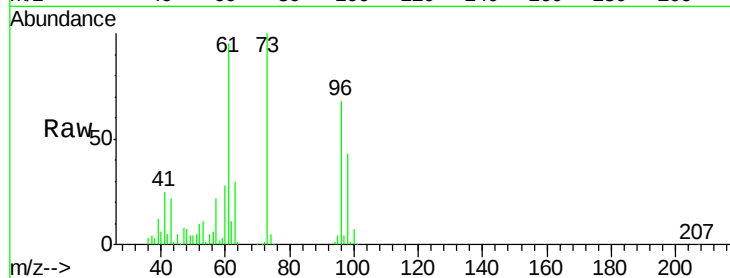
Tgt Ion: 96 Resp: 227014

Ion Ratio Lower Upper

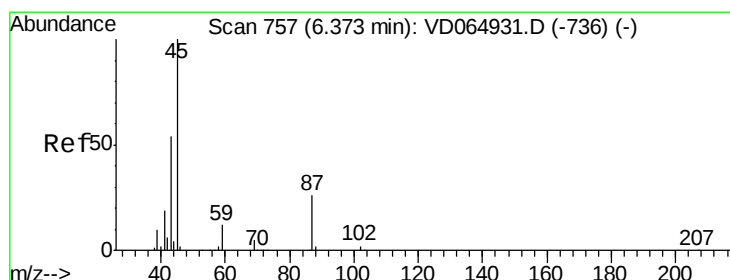
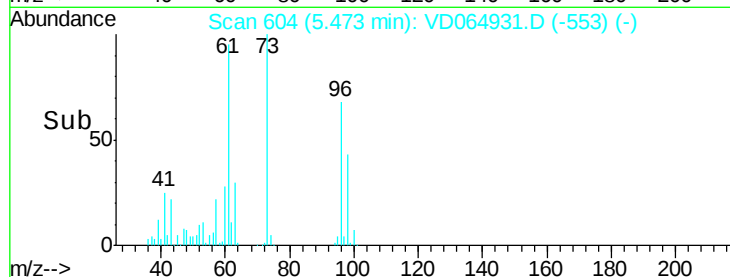
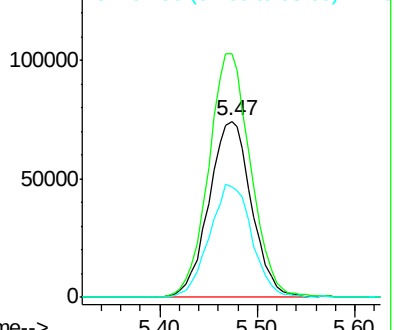
96 100

61 138.0 110.4 165.6

98 63.1 50.5 75.7



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



#22

Diisopropyl ether

Concen: 50.86 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion: 45 Resp: 641780

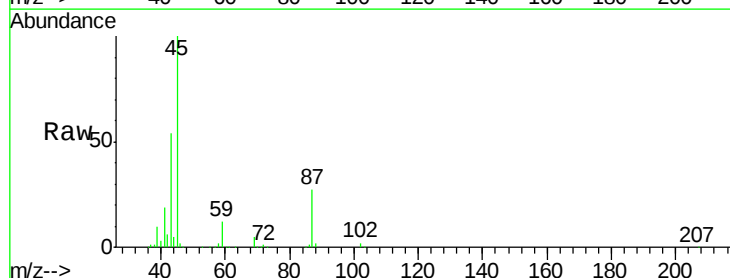
Ion Ratio Lower Upper

45 100

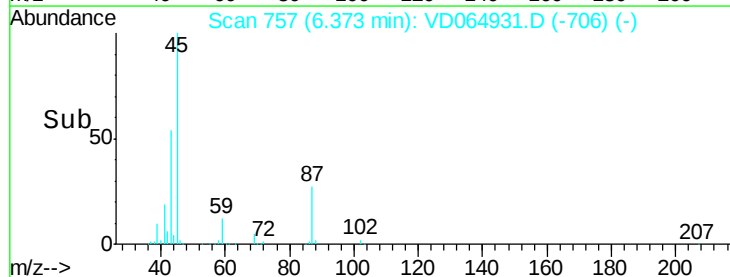
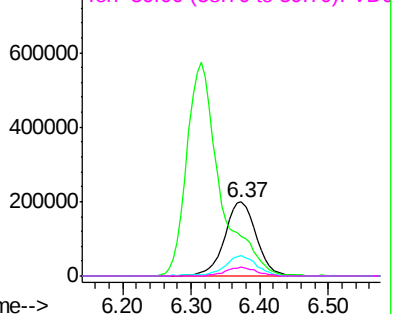
43 53.9 43.1 64.7

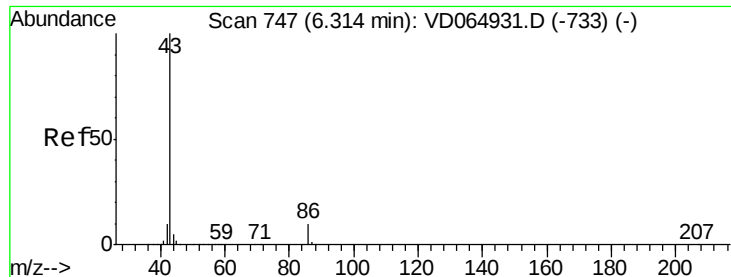
87 26.8 21.4 32.2

59 11.9 9.5 14.3



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





#23

Vinyl Acetate

Concen: 268.35 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

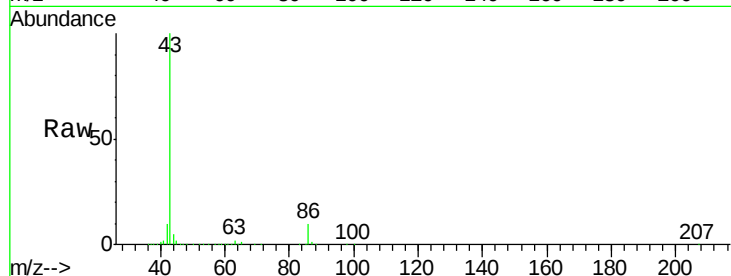
VSTDICCC050

Tgt Ion: 43 Resp: 1926203

Ion Ratio Lower Upper

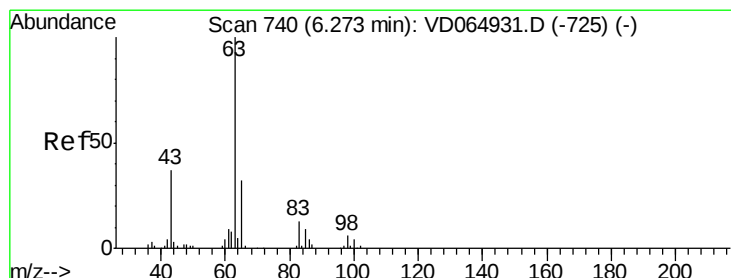
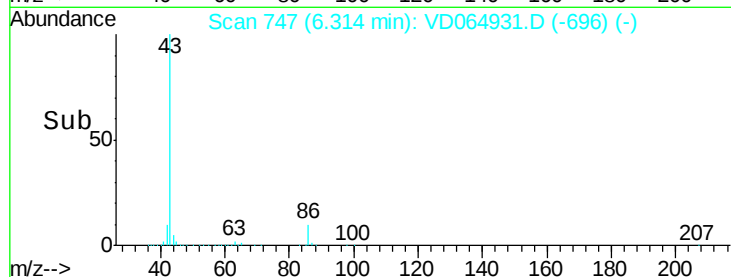
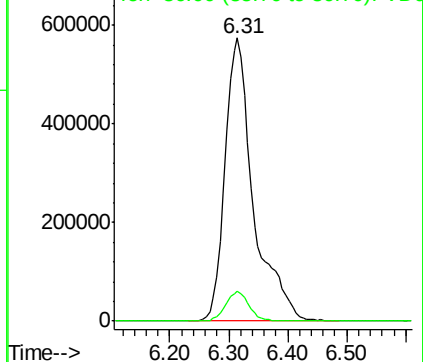
43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.59 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

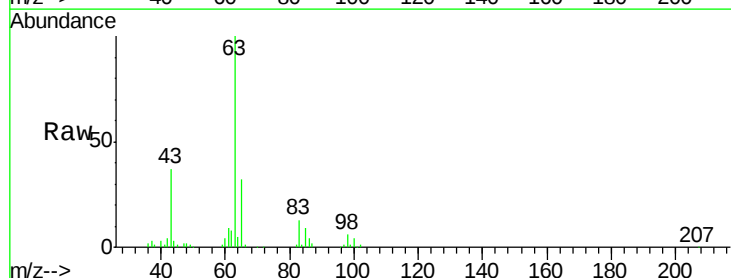
Tgt Ion: 63 Resp: 383742

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

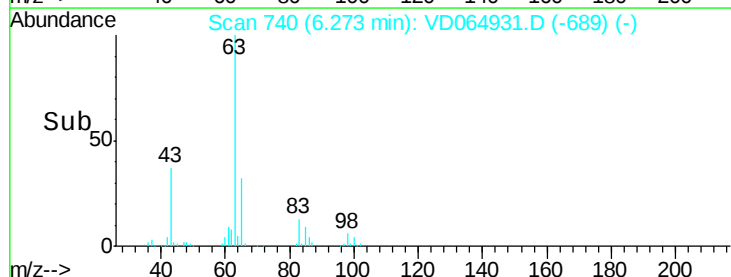
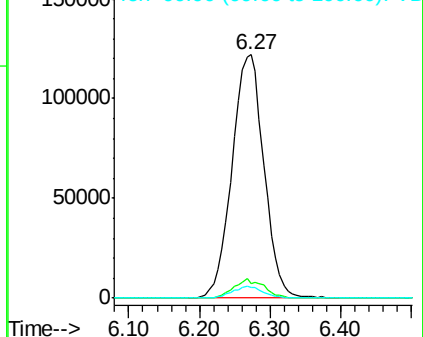
100 4.5 2.3 6.8

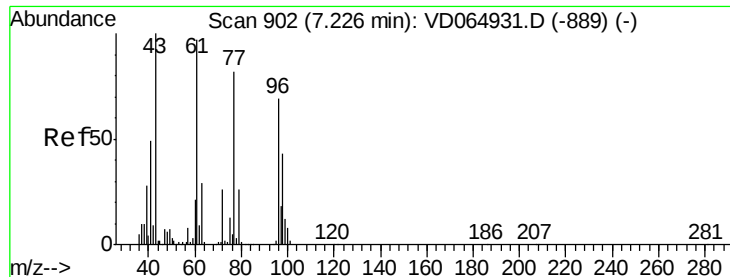


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 272.61 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

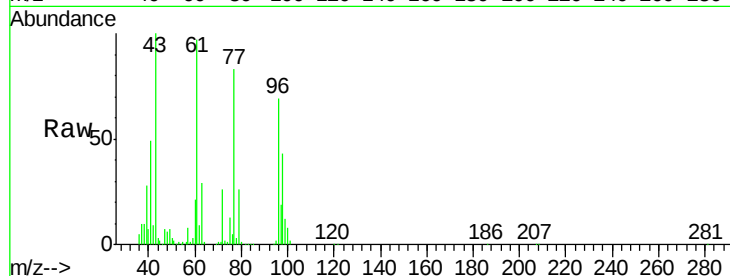
VSTDICCC050

Tgt Ion: 43 Resp: 308397

Ion Ratio Lower Upper

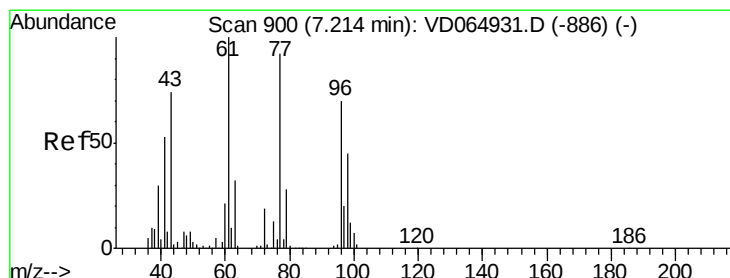
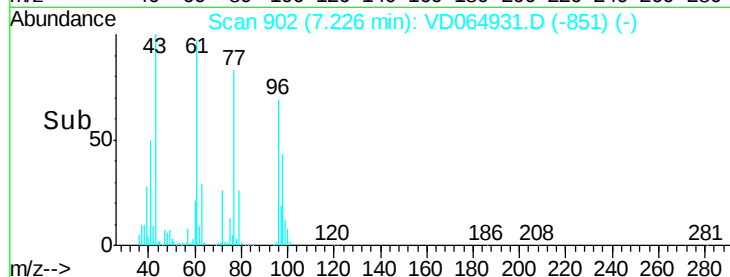
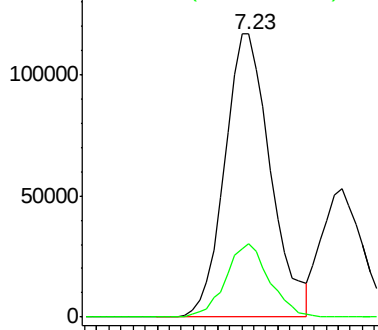
43 100

72 25.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.21 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064931.D

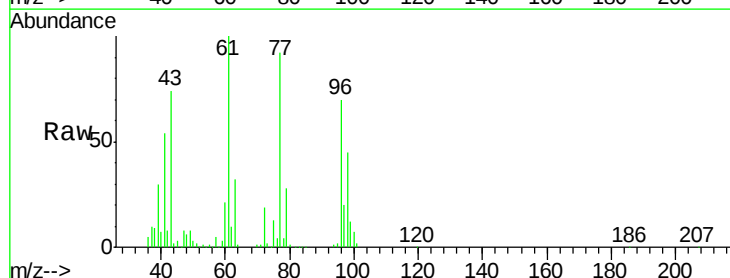
Acq: 23 Jan 2020 12:21

Tgt Ion: 77 Resp: 345774

Ion Ratio Lower Upper

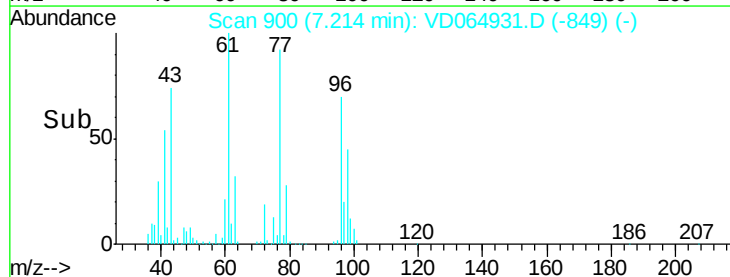
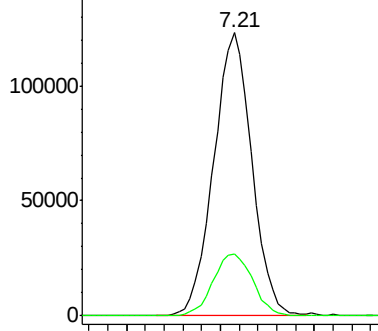
77 100

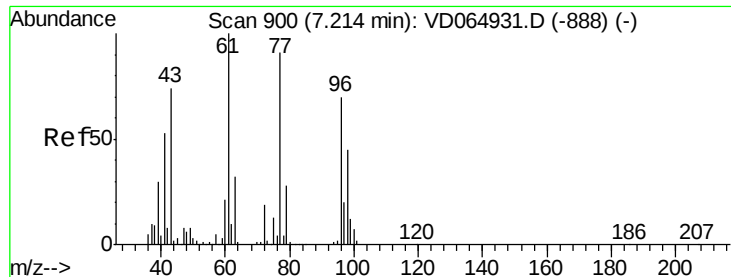
97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 48.73 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

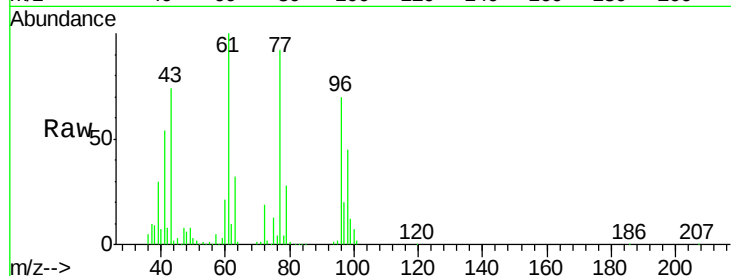
Tgt Ion: 96 Resp: 241332

Ion Ratio Lower Upper

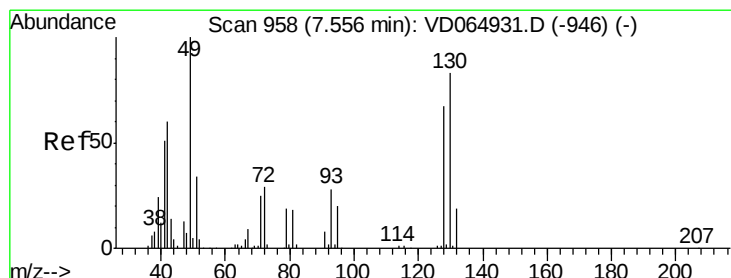
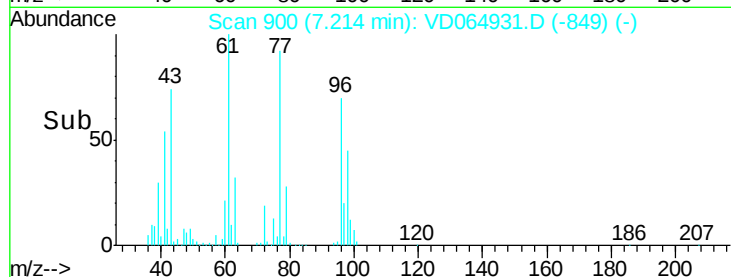
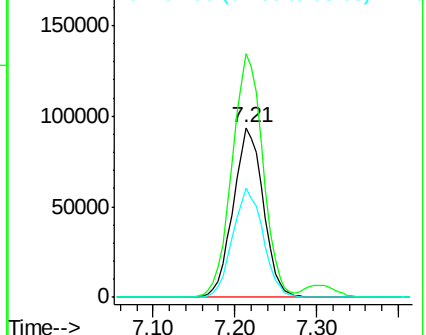
96 100

61 146.4 0.0 292.8

98 65.0 0.0 130.0



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: 58.27 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

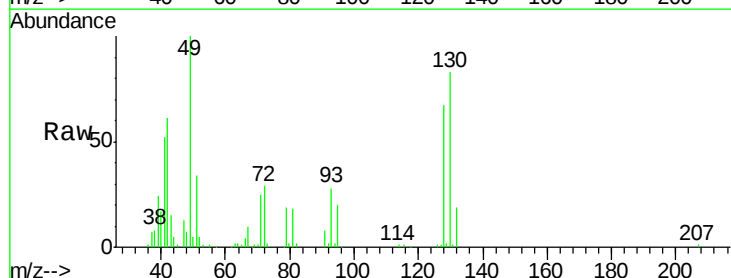
Tgt Ion: 49 Resp: 174535

Ion Ratio Lower Upper

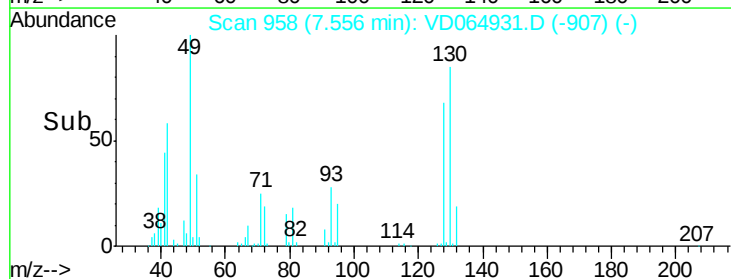
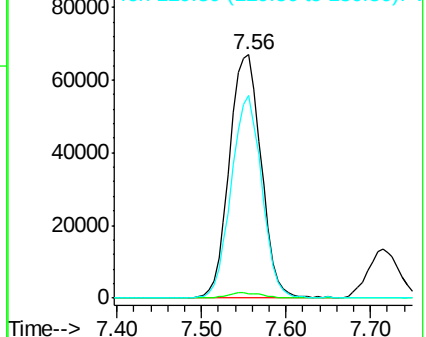
49 100

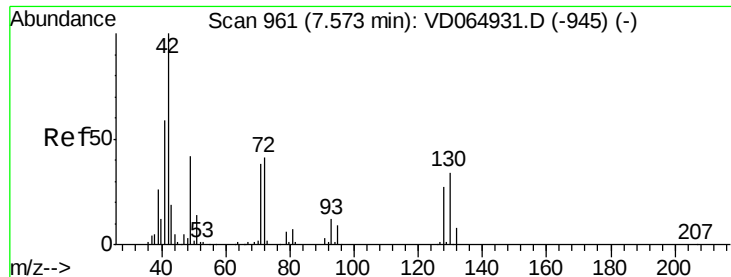
129 2.2 0.0 4.4

130 79.8 63.8 95.8



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

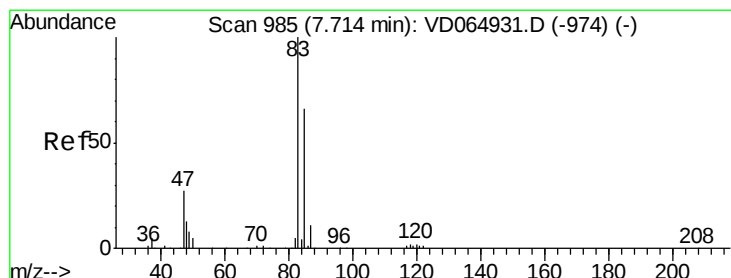
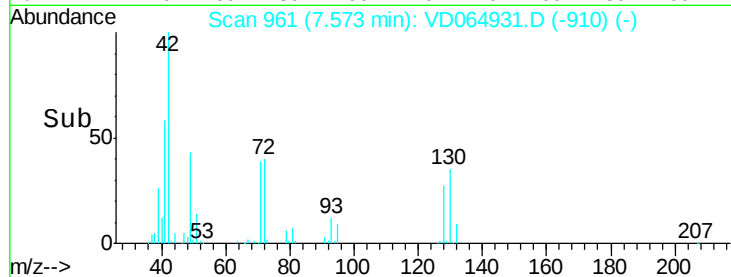
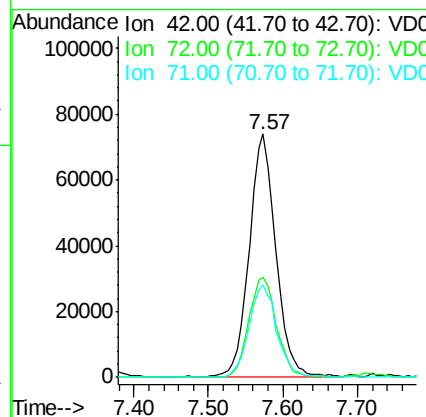
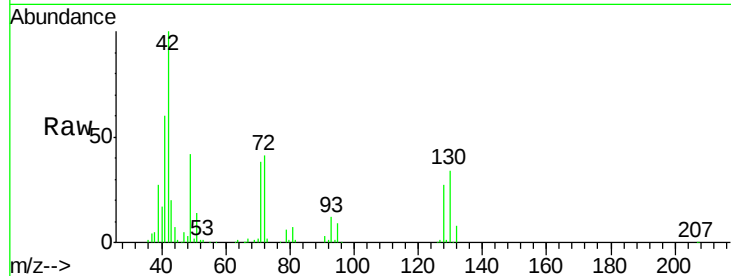




#29
Tetrahydrofuran
Concen: 264.09 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

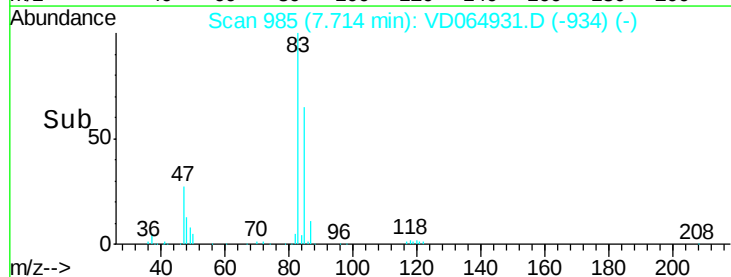
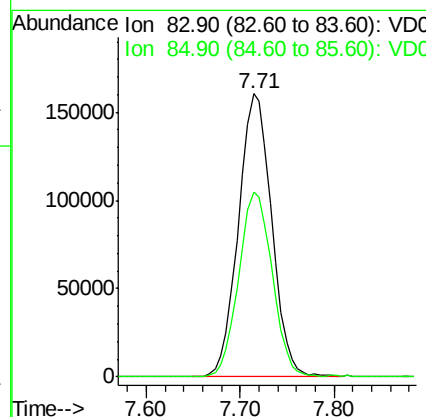
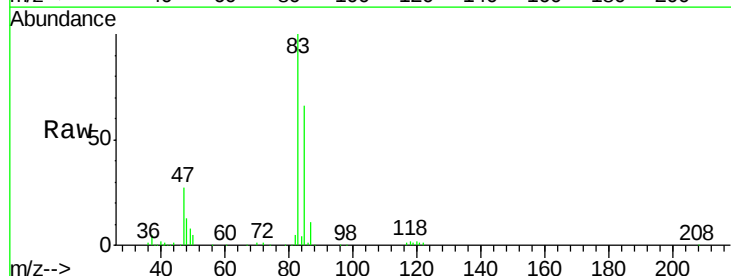
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

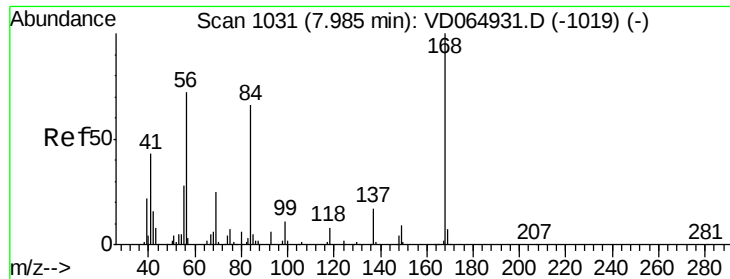
Tgt Ion: 42 Resp: 184400
Ion Ratio Lower Upper
42 100
72 42.5 34.0 51.0
71 39.4 31.5 47.3



#30
Chloroform
Concen: 49.66 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 83 Resp: 394456
Ion Ratio Lower Upper
83 100
85 65.5 52.4 78.6

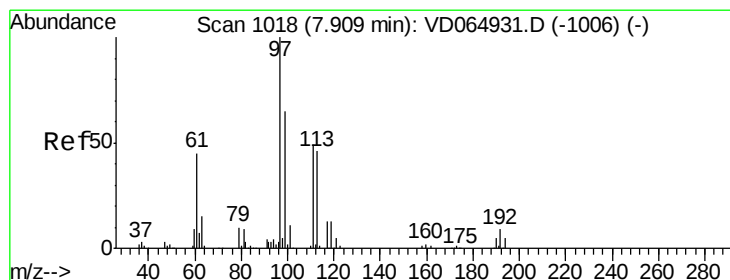
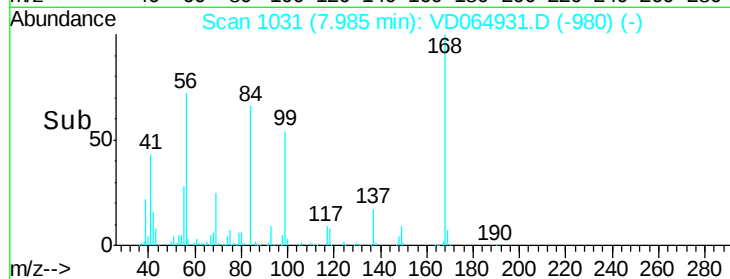
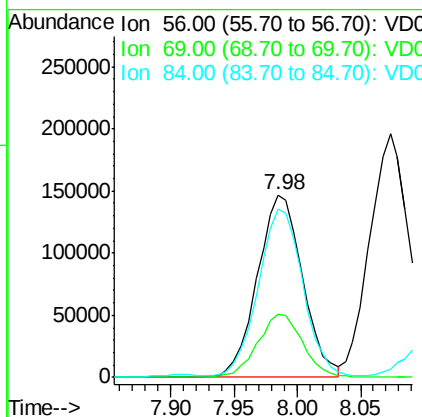
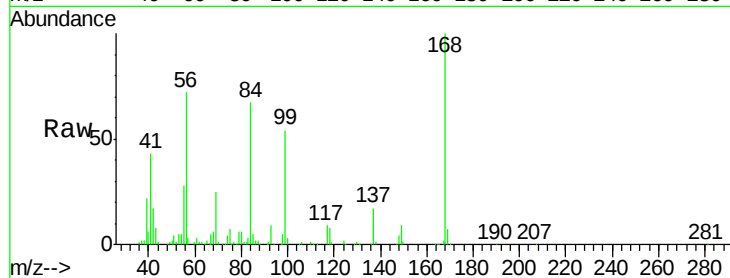




#31
Cyclohexane
Concen: 48.03 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

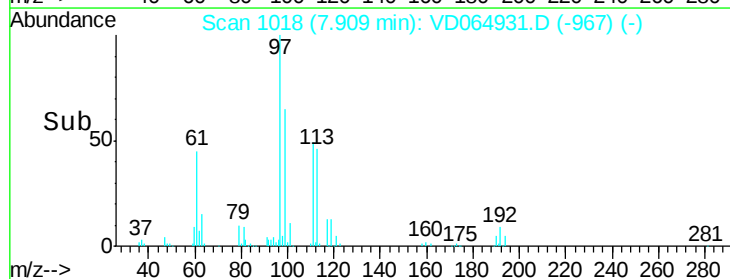
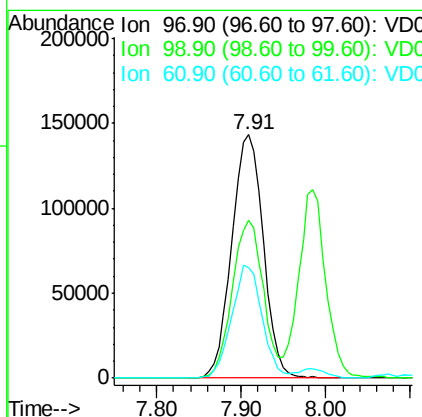
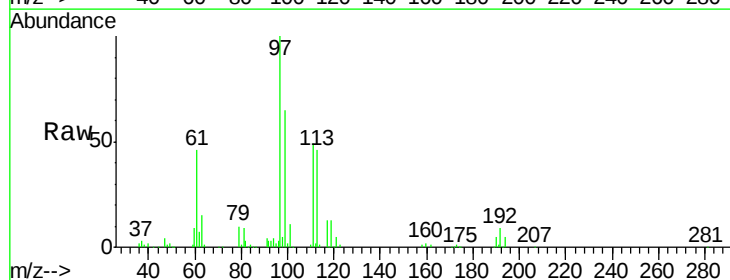
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

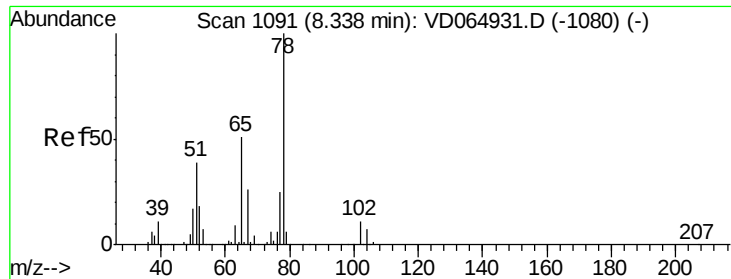
Tgt Ion: 56 Resp: 364817
Ion Ratio Lower Upper
56 100
69 34.9 27.9 41.9
84 91.0 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 49.58 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 97 Resp: 369774
Ion Ratio Lower Upper
97 100
99 63.3 50.6 76.0
61 44.6 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 55.37 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

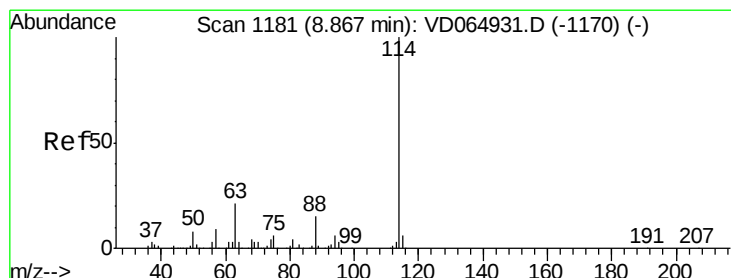
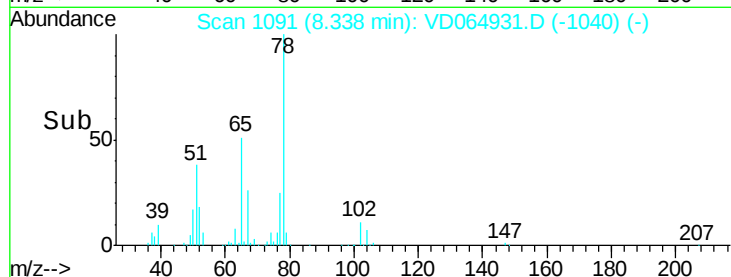
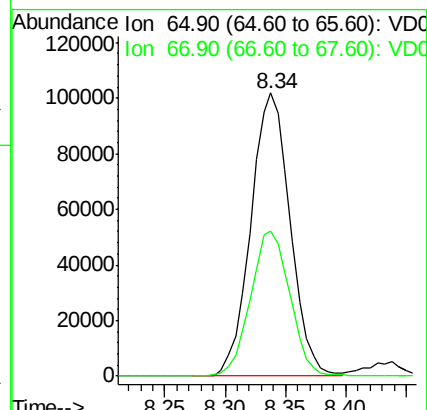
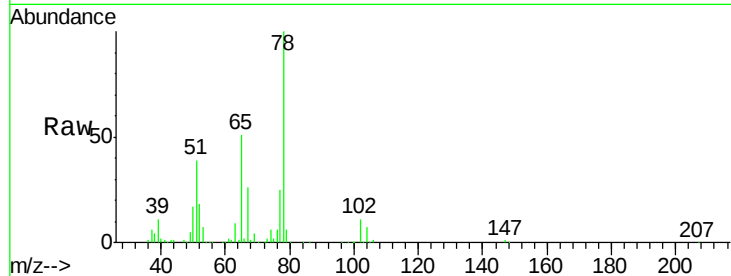
VSTDICCC050

Tgt Ion: 65 Resp: 229543

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

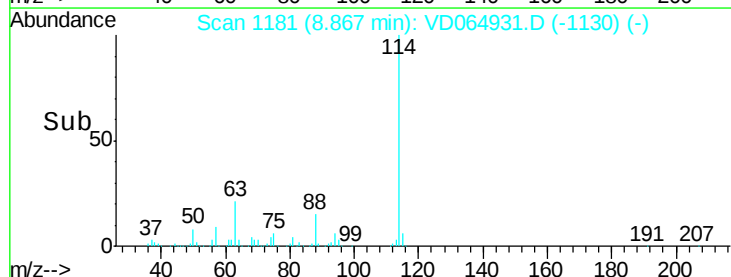
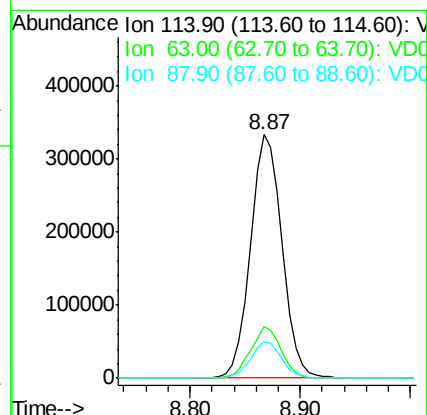
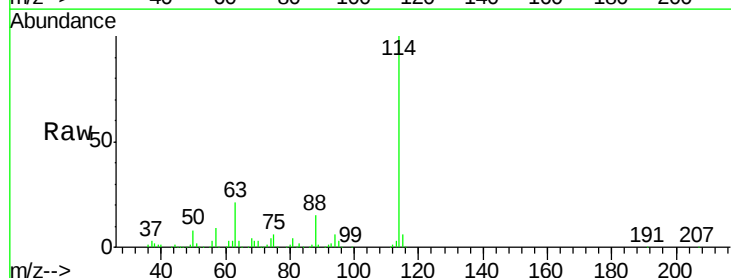
Tgt Ion: 114 Resp: 669361

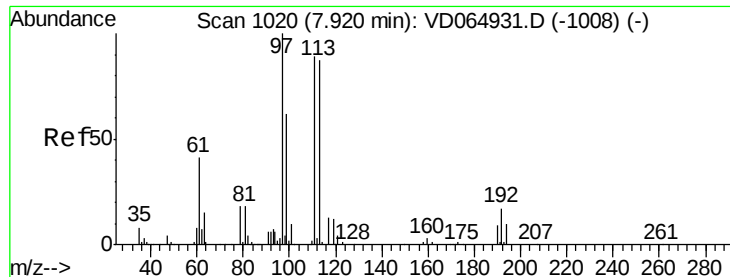
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 14.7 0.0 29.4

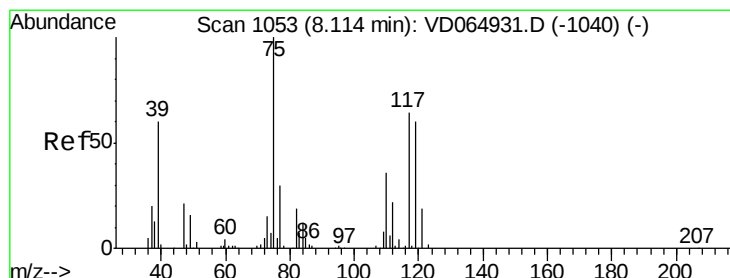
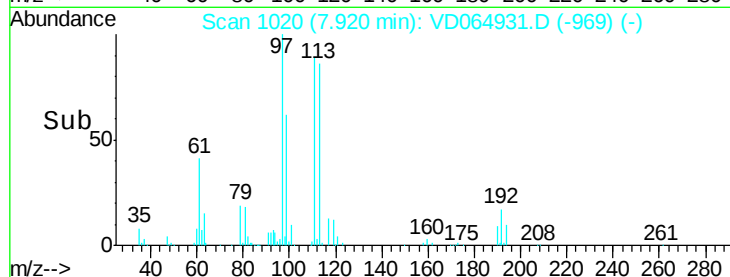
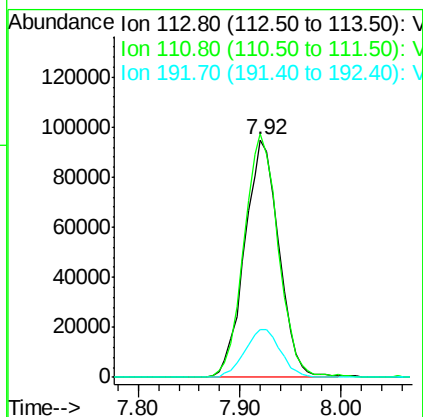
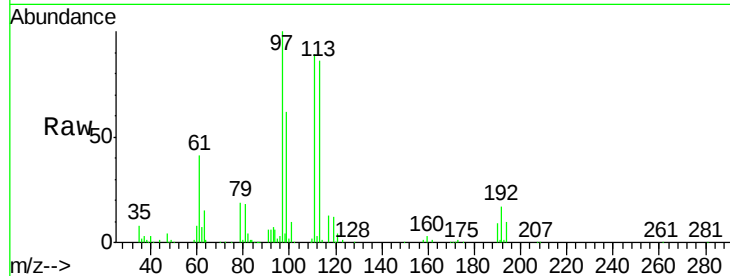




#35
 Dibromofluoromethane
 Concen: 53.67 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

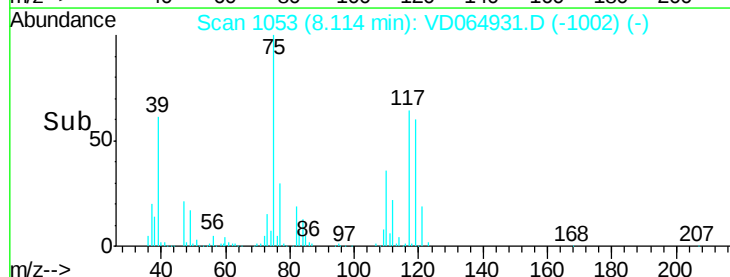
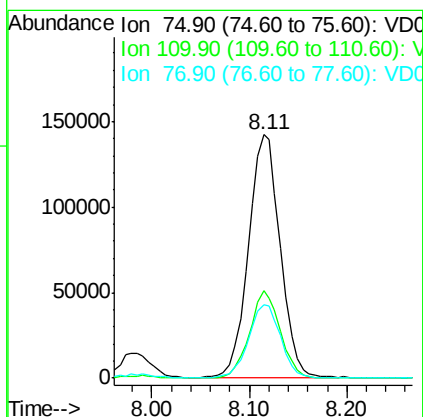
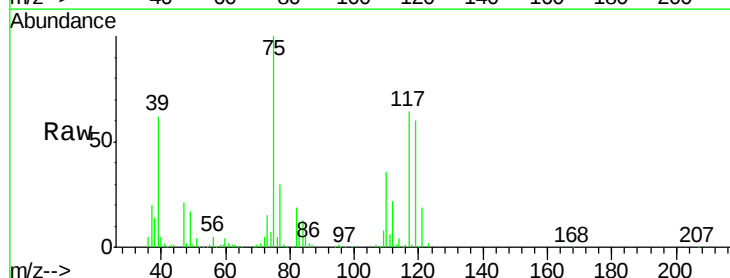
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

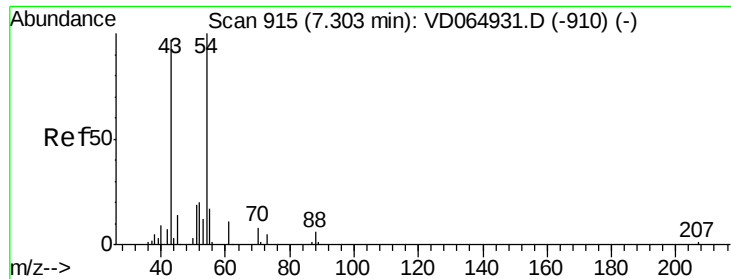
Tgt Ion: 113 Resp: 221953
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 21.1 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 50.29 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion: 75 Resp: 324048
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.3 52.0
 77 30.9 24.7 37.1

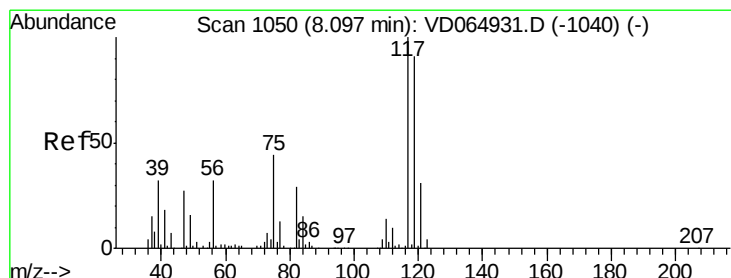
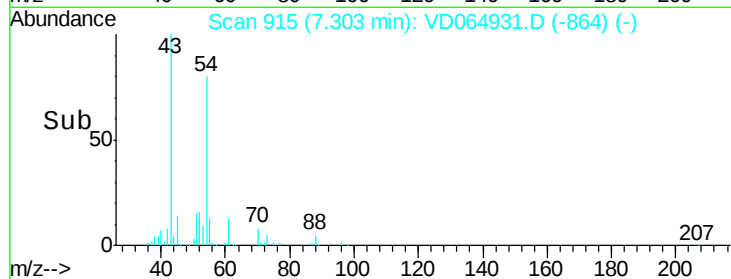
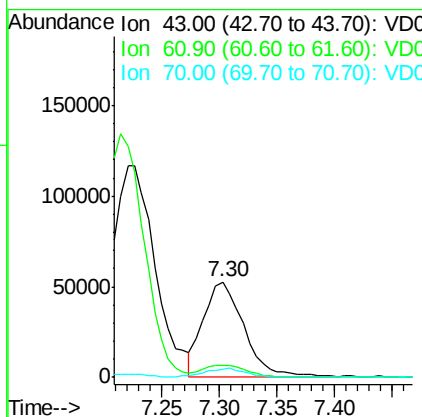
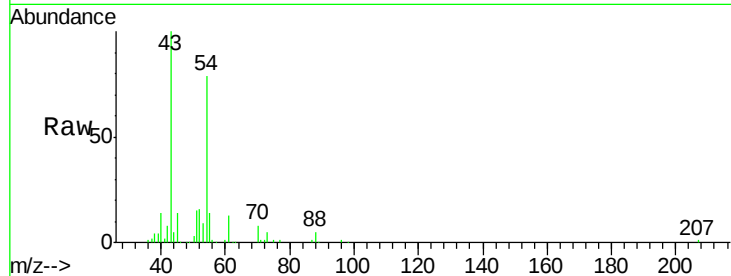




#37
 Ethyl Acetate
 Concen: 50.69 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

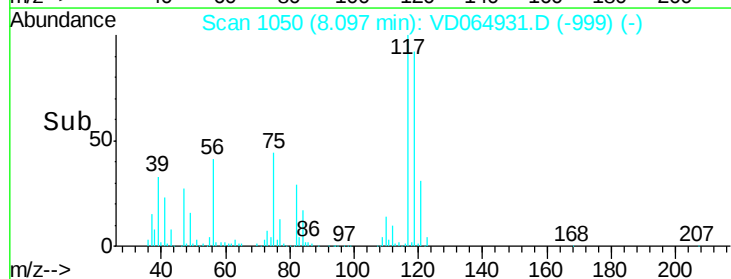
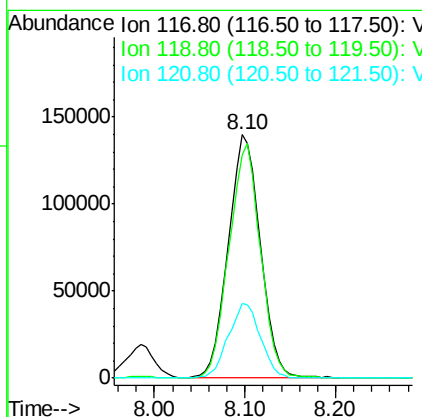
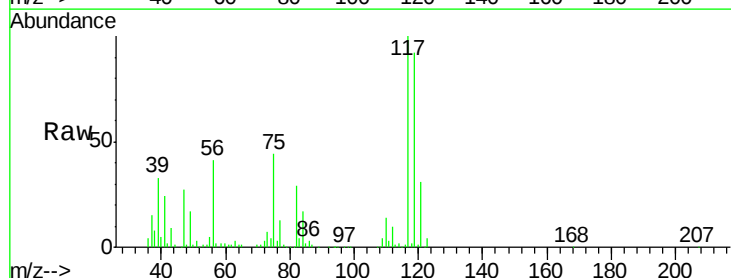
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

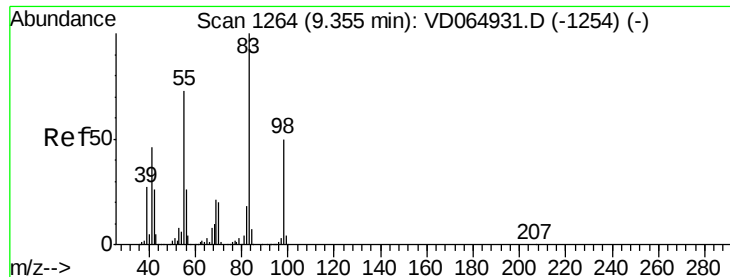
Tgt Ion: 43 Resp: 127407
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.0 16.4
 70 9.4 7.5 11.3



#38
 Carbon Tetrachloride
 Concen: 50.41 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion: 117 Resp: 345323
 Ion Ratio Lower Upper
 117 100
 119 91.5 73.2 109.8
 121 30.5 24.4 36.6

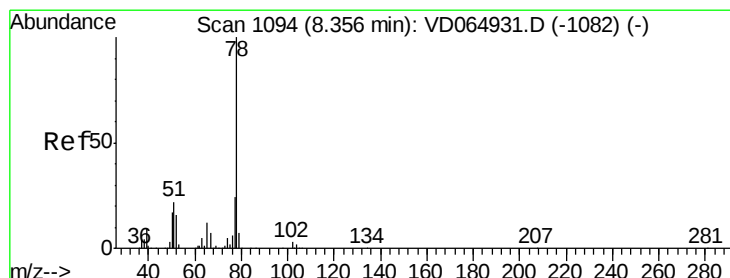
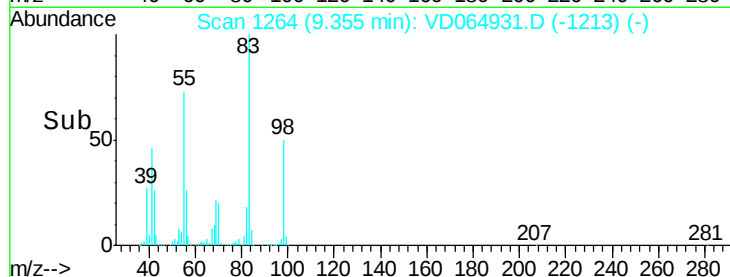
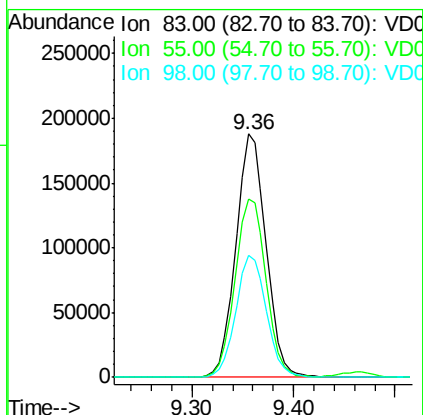
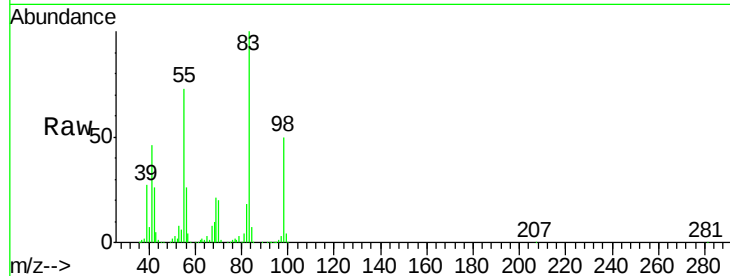




#39
Methylcyclohexane
Concen: 50.05 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

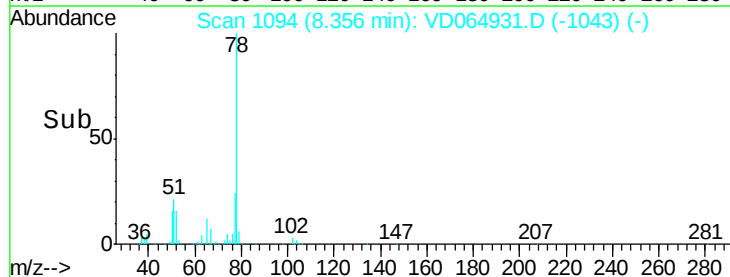
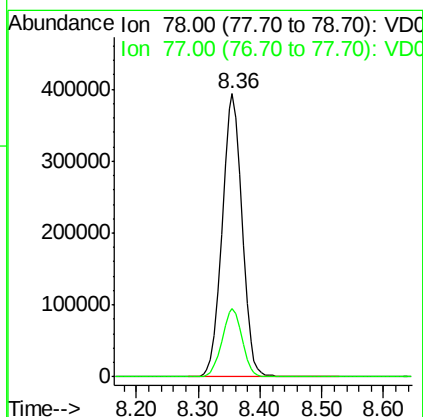
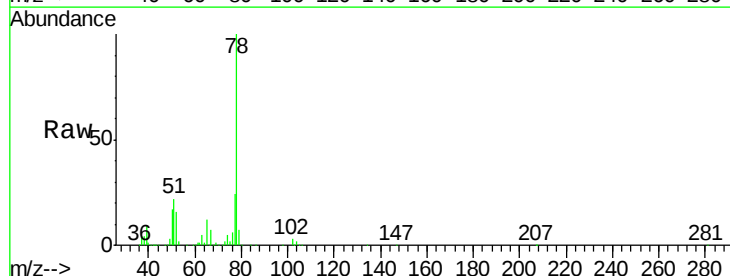
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

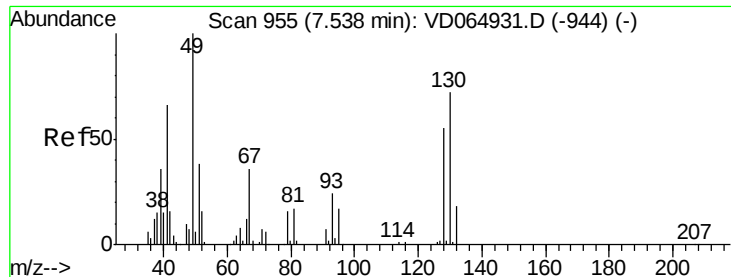
Tgt Ion: 83 Resp: 388608
Ion Ratio Lower Upper
83 100
55 73.4 58.7 88.1
98 50.2 40.2 60.2



#40
Benzene
Concen: 50.38 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 78 Resp: 886882
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

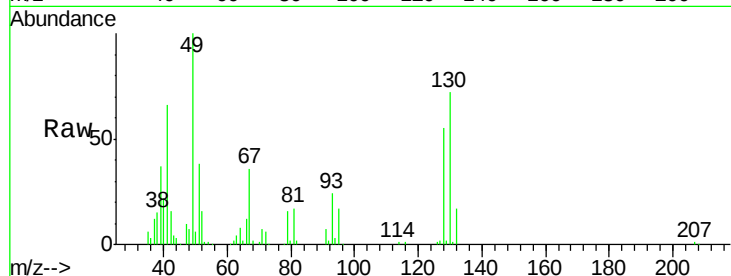




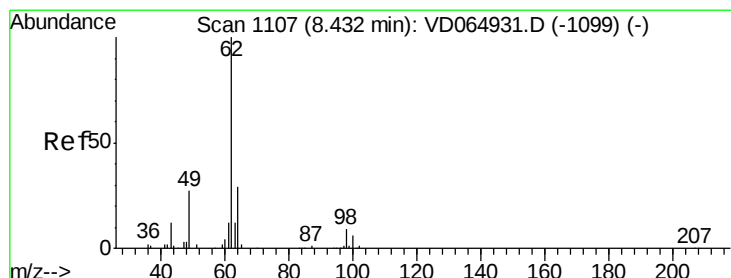
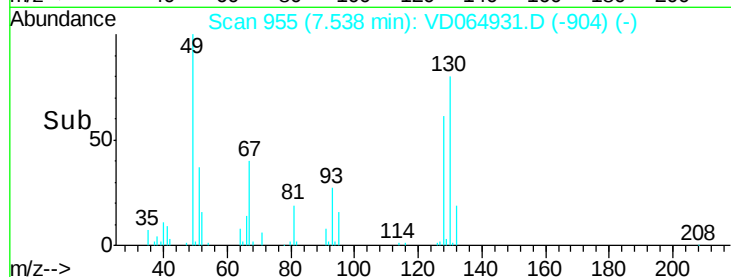
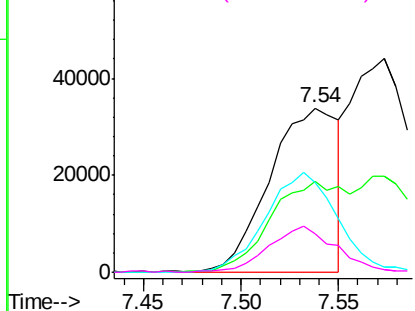
#41
Methacrylonitrile
Concen: 55.98 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 82460
Ion Ratio Lower Upper
41 100
39 61.6 49.3 73.9
67 63.8 51.0 76.6
52 27.9 22.3 33.5

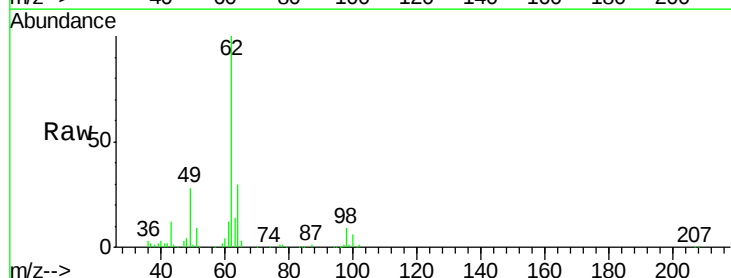


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

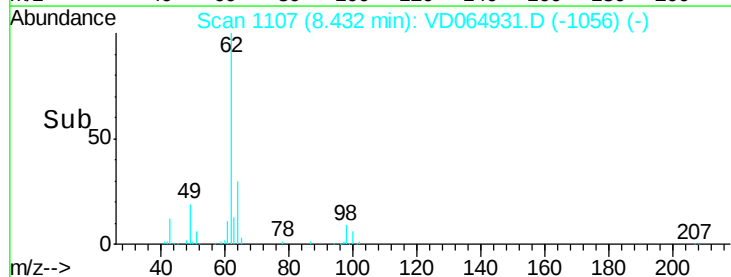
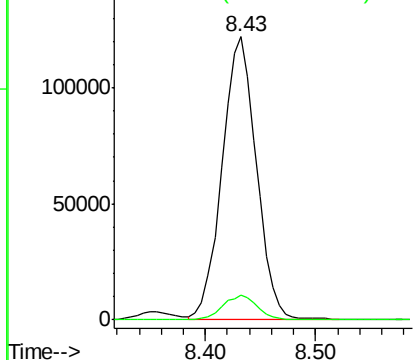


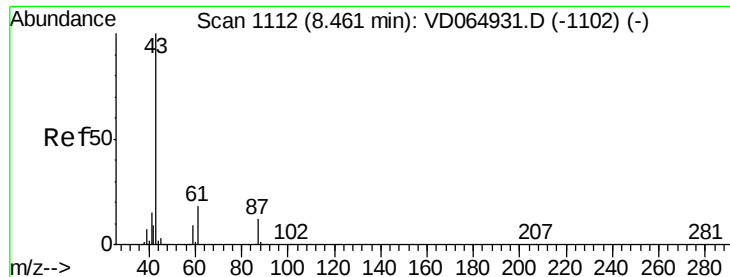
#42
1,2-Dichloroethane
Concen: 51.65 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 62 Resp: 263803
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 50.20 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

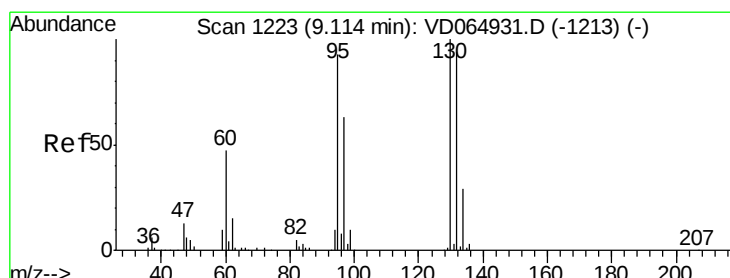
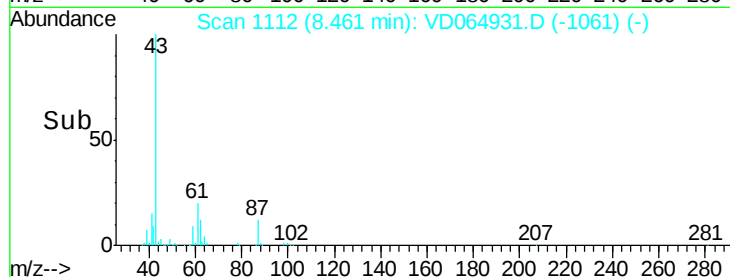
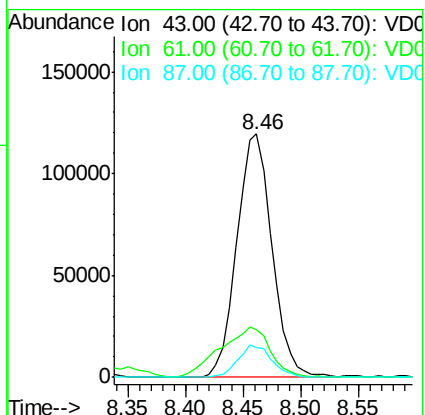
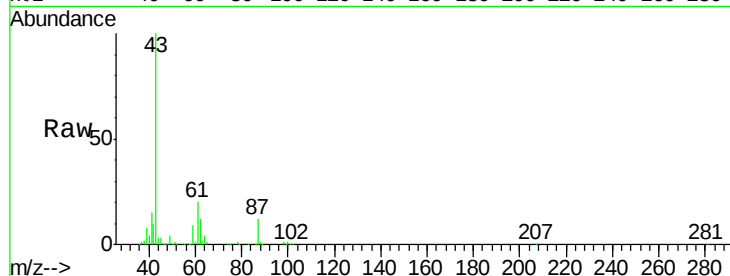
Tgt Ion: 43 Resp: 251438

Ion Ratio Lower Upper

43 100

61 29.7 23.8 35.6

87 12.9 10.3 15.5



#44

Trichloroethene

Concen: 47.76 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064931.D

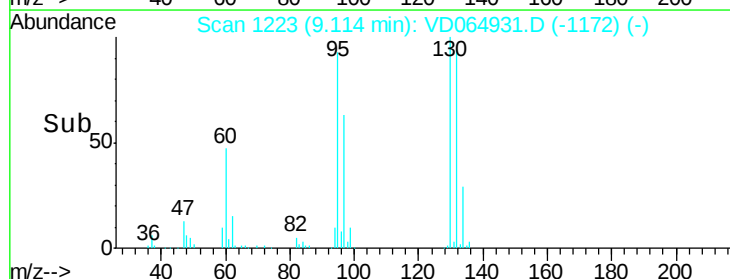
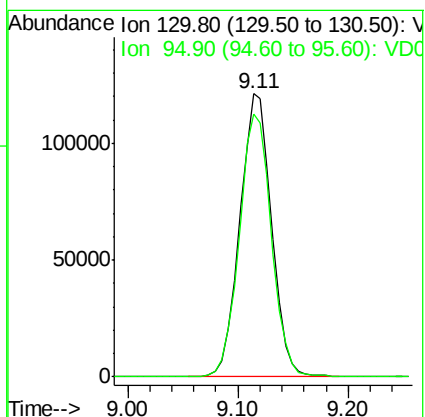
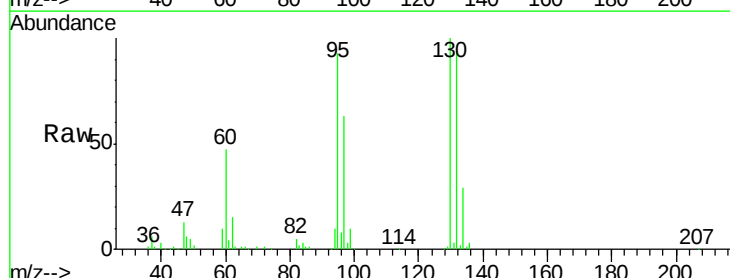
Acq: 23 Jan 2020 12:21

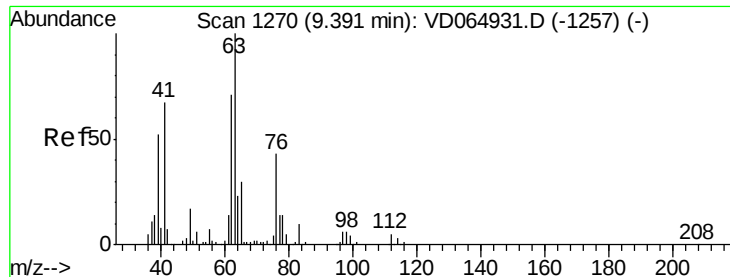
Tgt Ion: 130 Resp: 244445

Ion Ratio Lower Upper

130 100

95 92.9 0.0 185.8





#45

1,2-Dichloropropane

Concen: 50.25 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

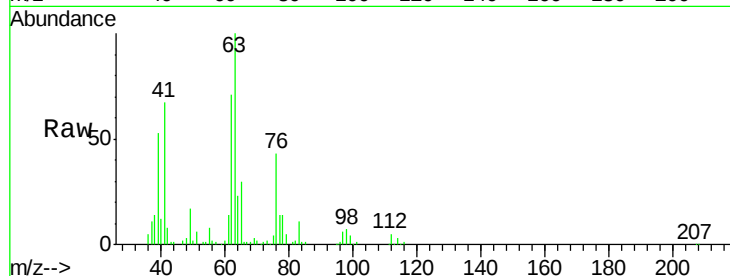
VSTDICCC050

Tgt Ion: 63 Resp: 210807

Ion Ratio Lower Upper

63 100

65 30.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

100000

80000

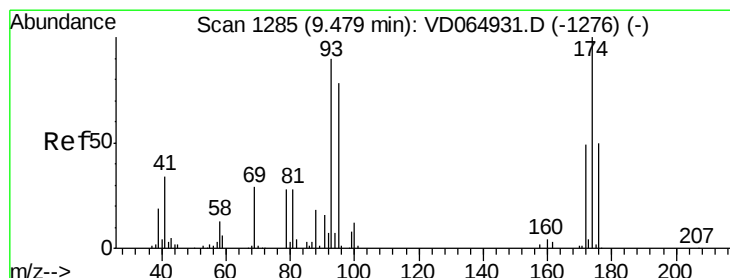
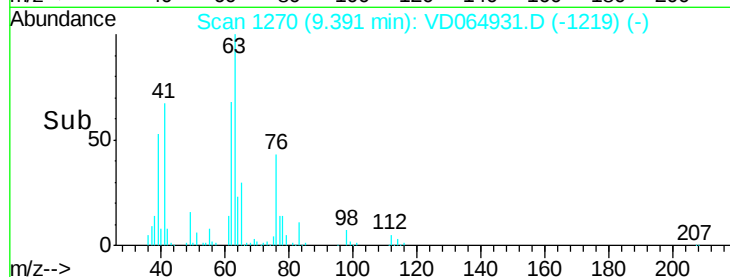
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 49.23 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

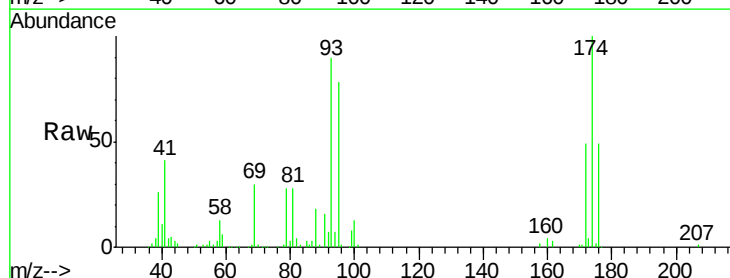
Tgt Ion: 93 Resp: 114241

Ion Ratio Lower Upper

93 100

95 84.4 67.5 101.3

174 110.5 88.4 132.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.48

80000

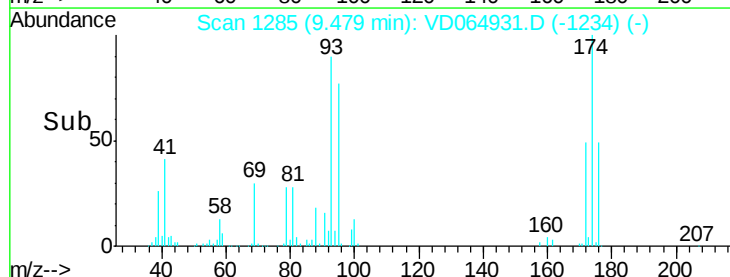
60000

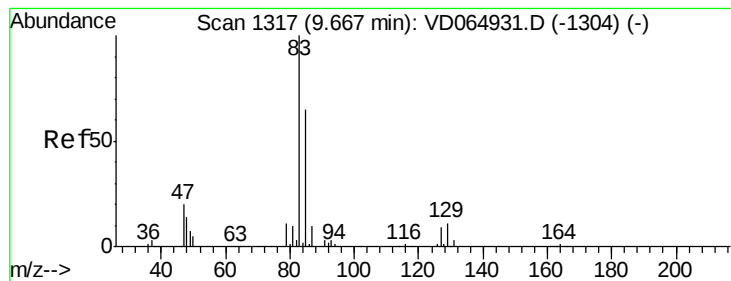
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 48.99 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

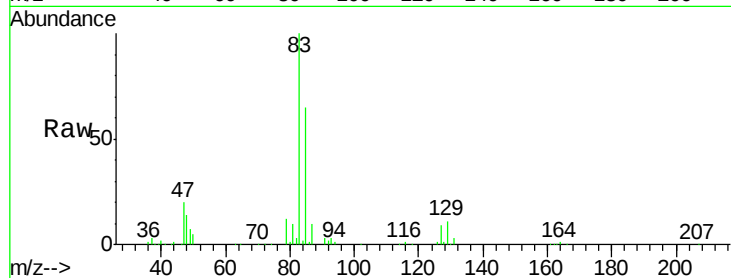
Tgt Ion: 83 Resp: 303044

Ion Ratio Lower Upper

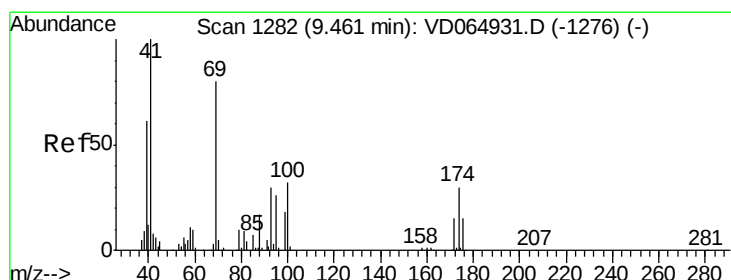
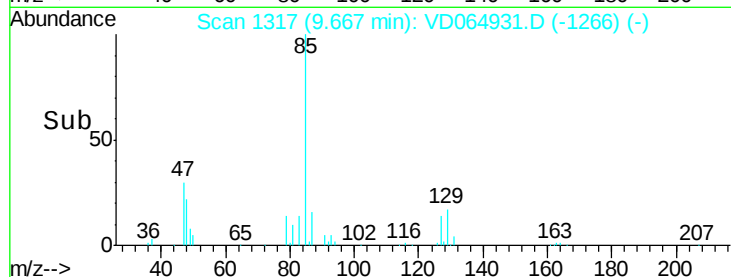
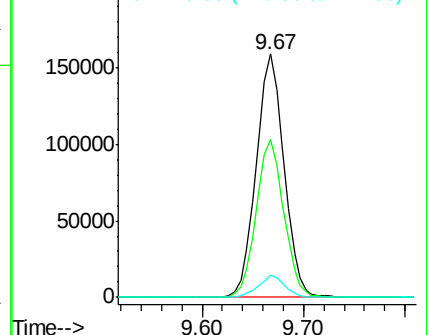
83 100

85 65.0 52.0 78.0

127 9.1 7.3 10.9



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: 51.08 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

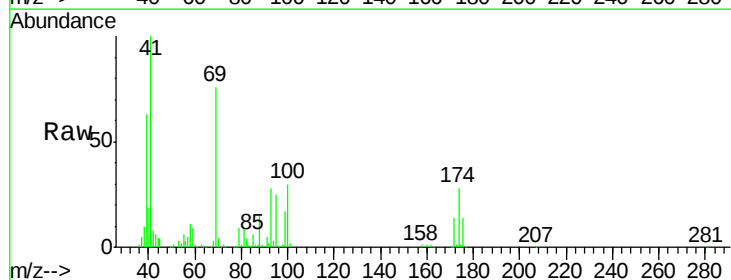
Tgt Ion: 41 Resp: 119703

Ion Ratio Lower Upper

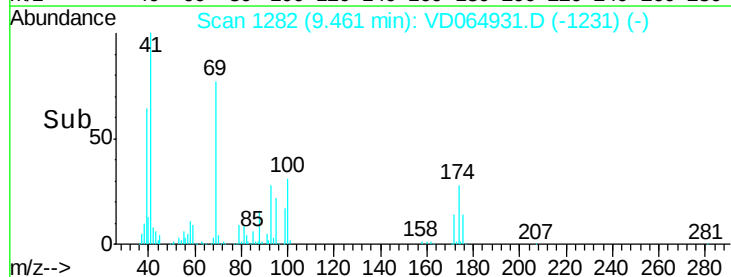
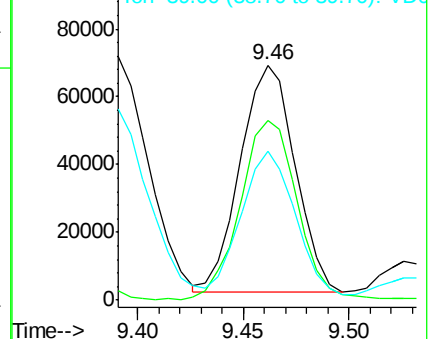
41 100

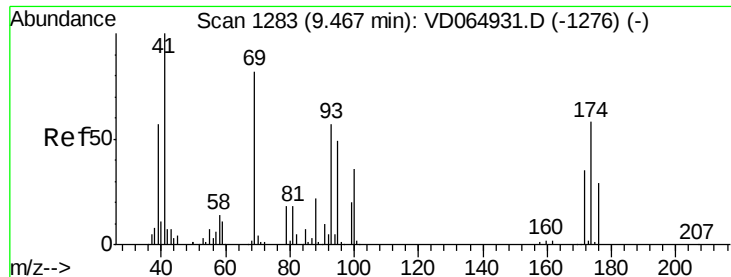
69 82.3 65.8 98.8

39 61.7 49.4 74.0



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

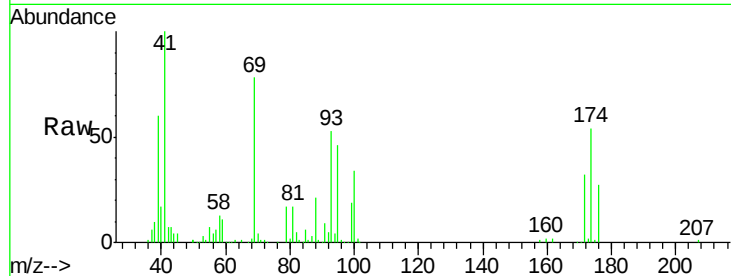




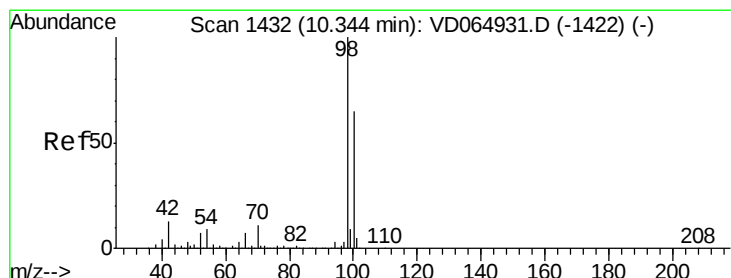
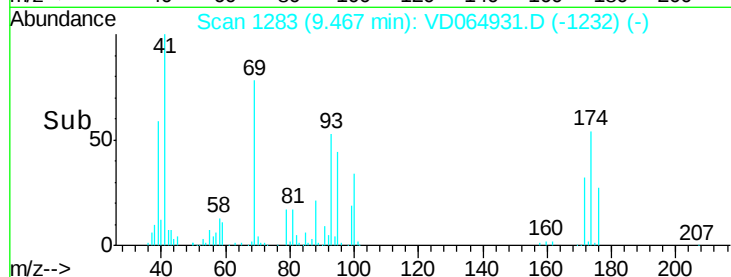
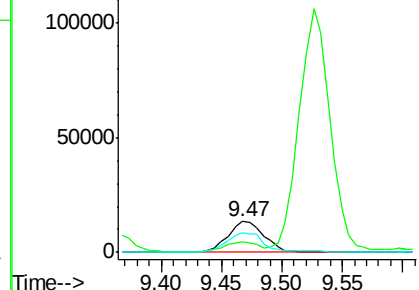
#49
 1,4-Dioxane
 Concen: 1035.03 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 88 Resp: 28137
 Ion Ratio Lower Upper
 88 100
 43 32.8 26.2 39.4
 58 62.9 50.3 75.5

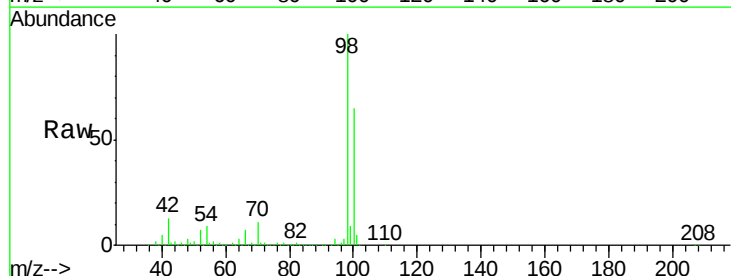


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

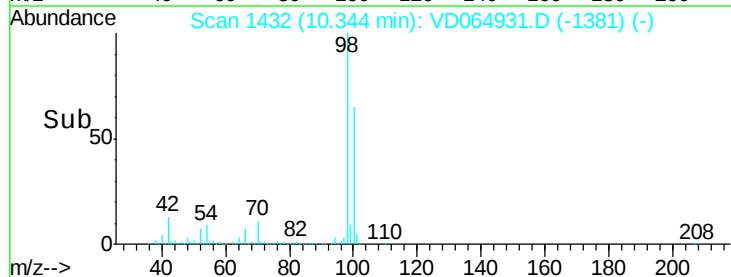
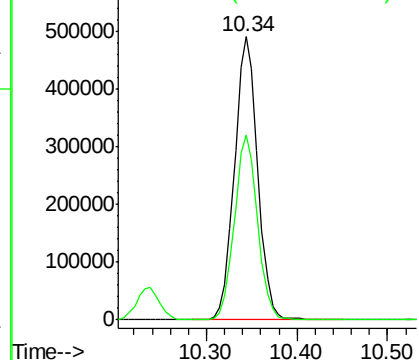


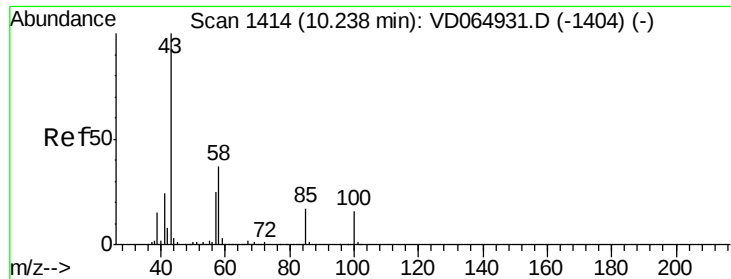
#50
 Toluene-d8
 Concen: 54.81 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion: 98 Resp: 873377
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.3 78.5



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: 258.35 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

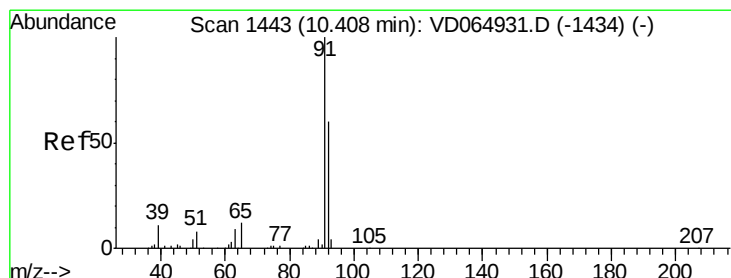
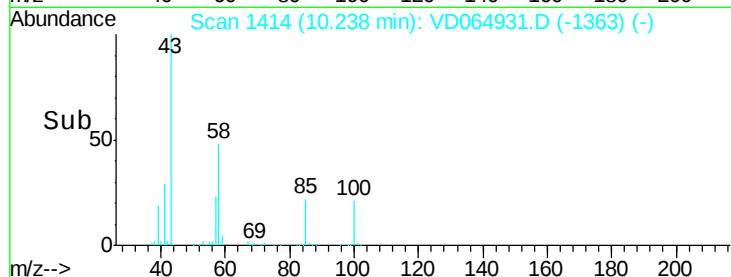
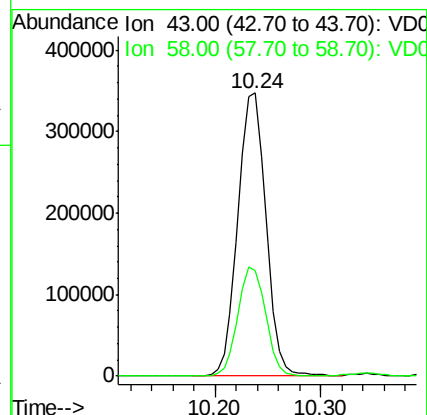
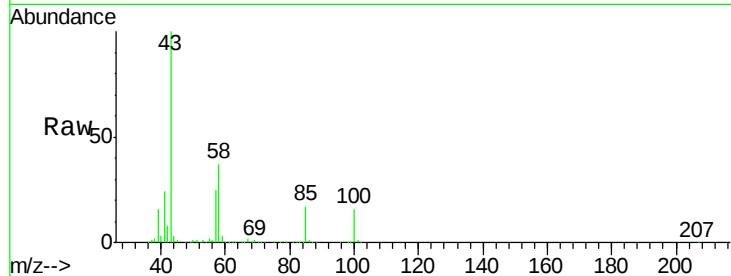
VSTDICCC050

Tgt Ion: 43 Resp: 644037

Ion Ratio Lower Upper

43 100

58 38.0 30.4 45.6



#52

Toluene

Concen: 49.80 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064931.D

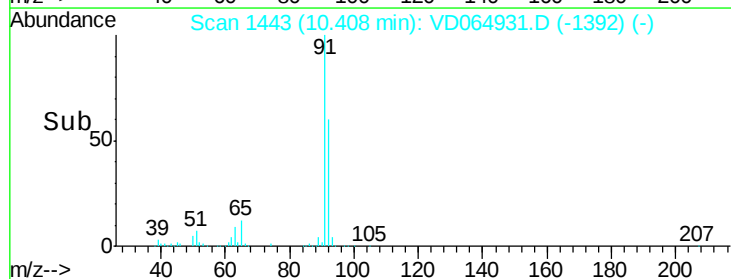
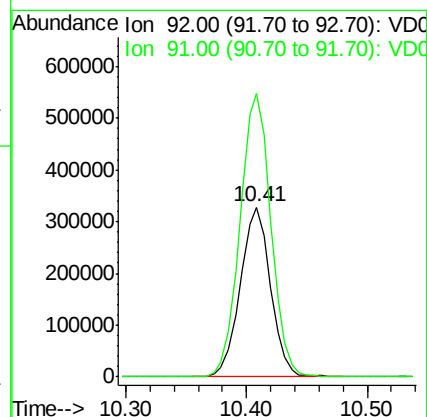
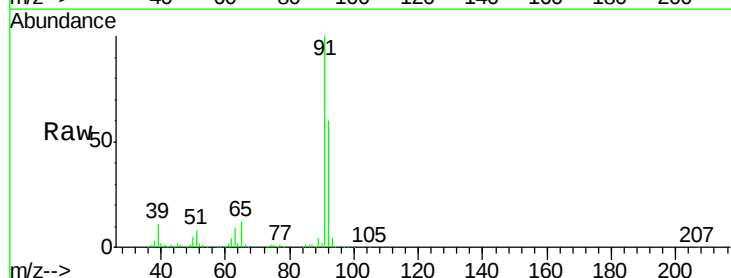
Acq: 23 Jan 2020 12:21

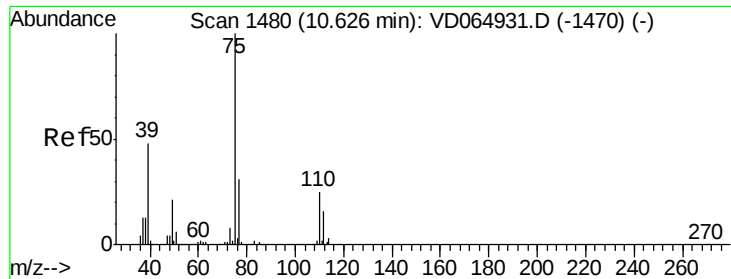
Tgt Ion: 92 Resp: 572763

Ion Ratio Lower Upper

92 100

91 171.0 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 51.11 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

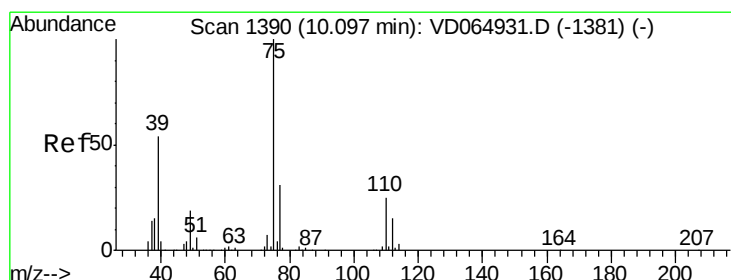
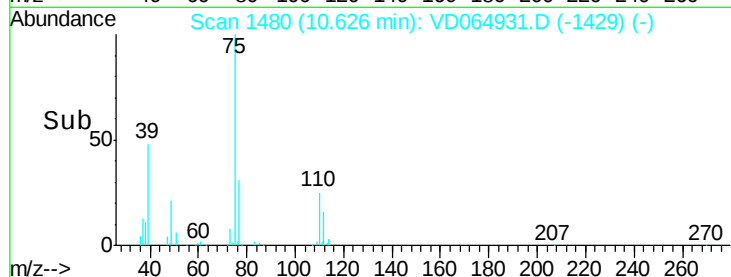
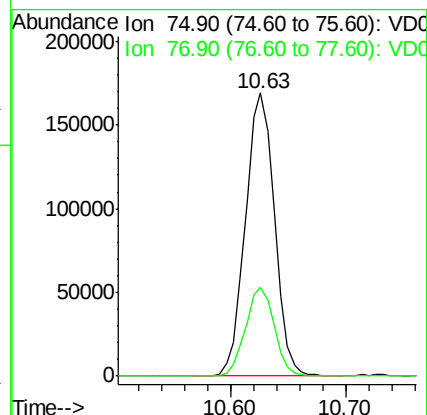
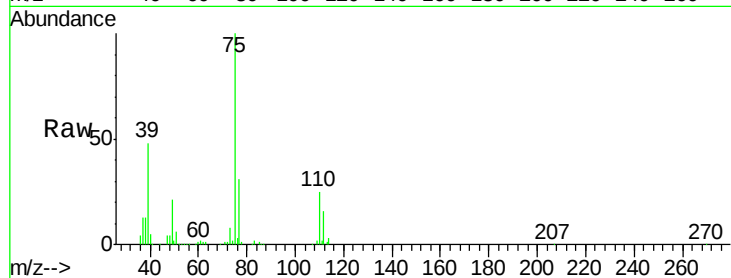
VSTDICCC050

Tgt Ion: 75 Resp: 296392

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 50.52 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

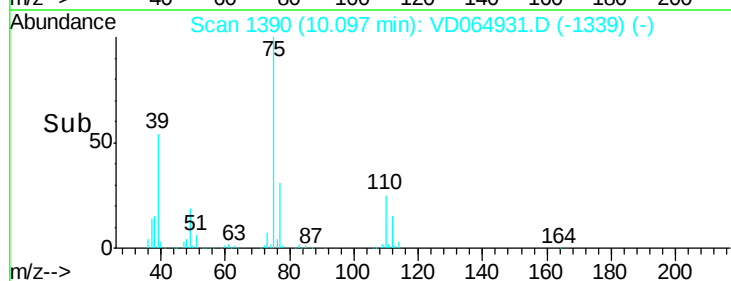
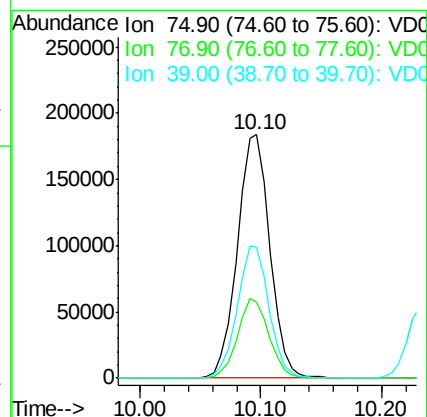
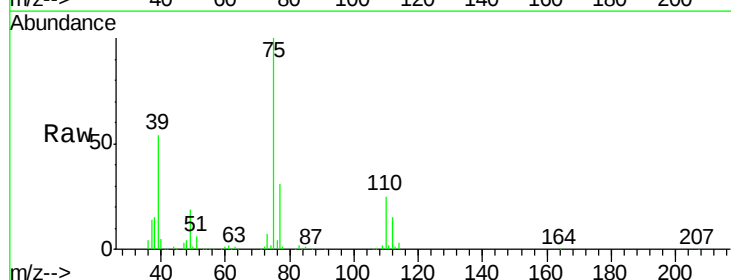
Tgt Ion: 75 Resp: 344510

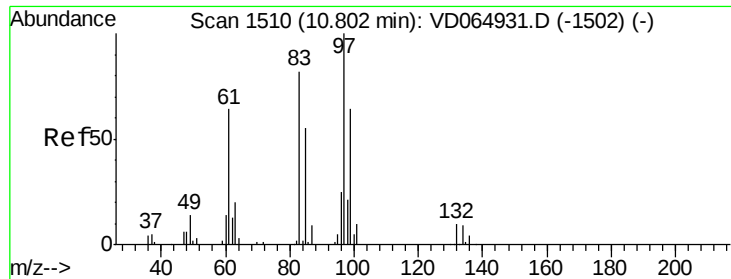
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 53.8 43.0 64.6

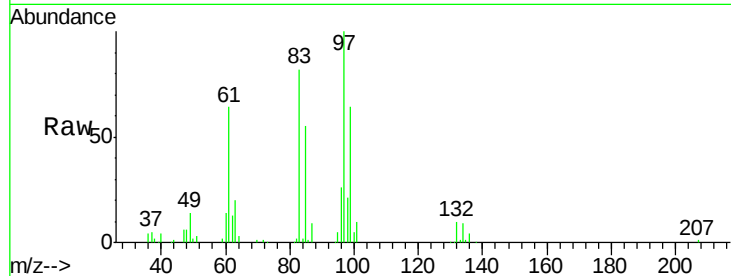




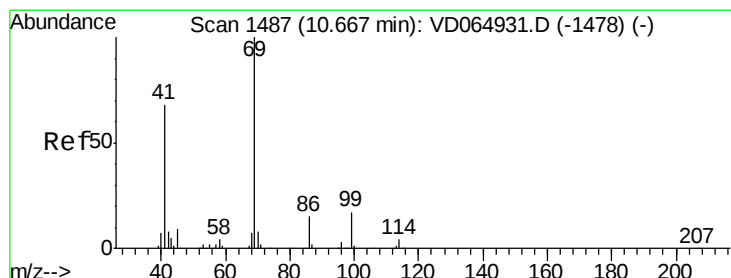
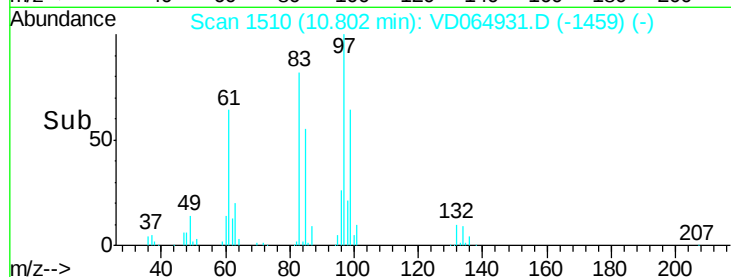
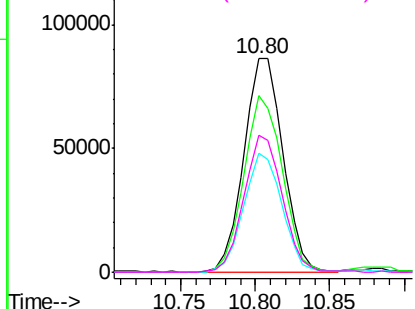
#55
 1,1,2-Trichloroethane
 Concen: 49.83 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 97 Resp: 156851
 Ion Ratio Lower Upper
 97 100
 83 82.5 66.0 99.0
 85 55.5 44.4 66.6
 99 64.2 51.4 77.0

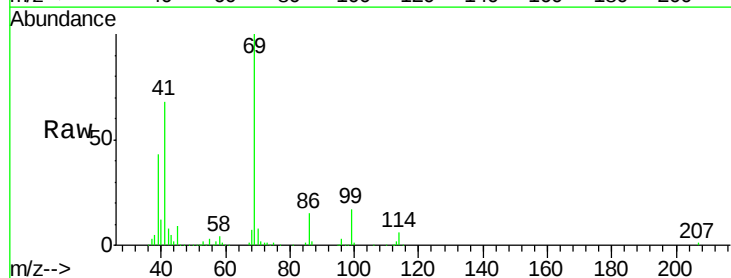


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

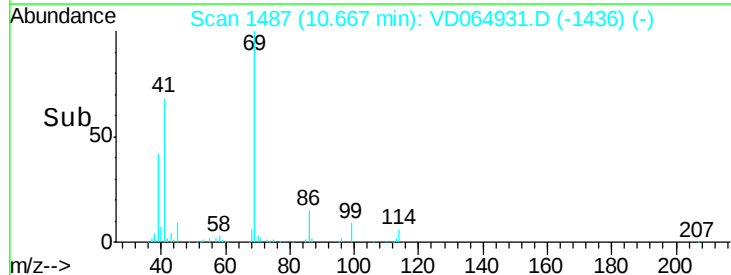
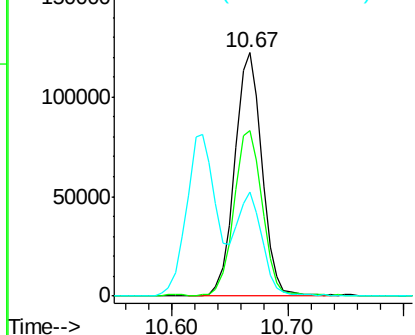


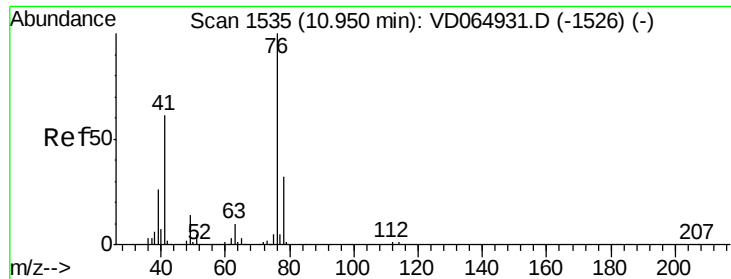
#56
 Ethyl methacrylate
 Concen: 50.81 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion: 69 Resp: 199256
 Ion Ratio Lower Upper
 69 100
 41 70.5 56.4 84.6
 39 38.3 30.6 46.0



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

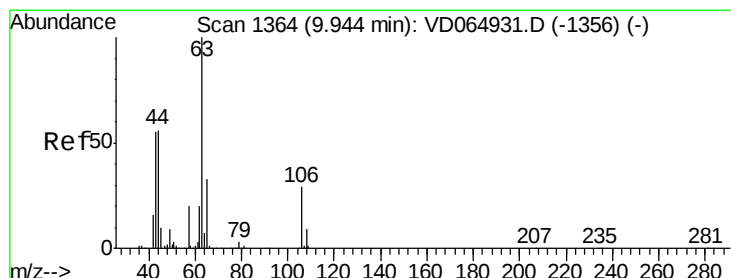
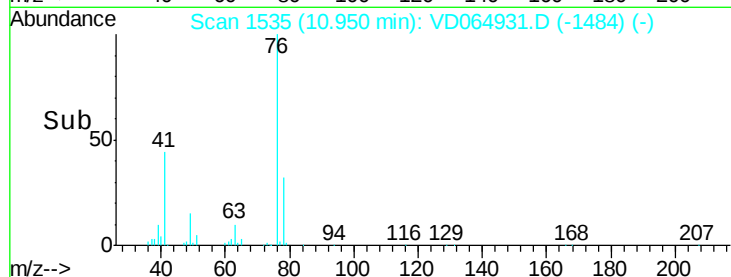
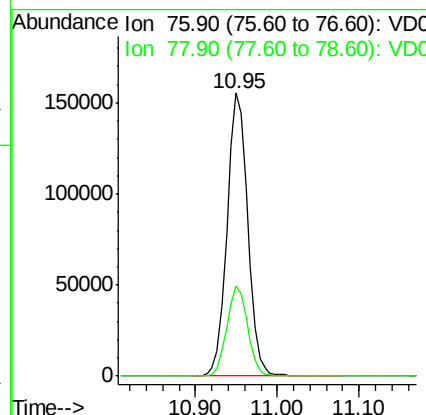
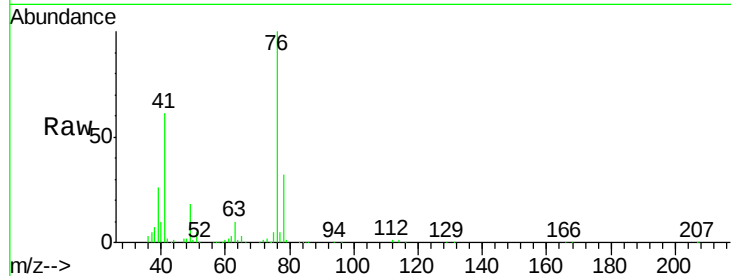




#57
 1,3-Dichloropropane
 Concen: 50.41 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

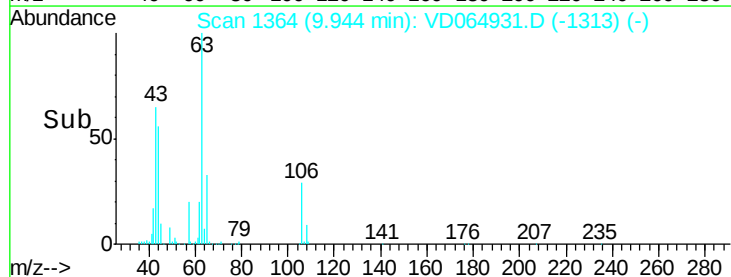
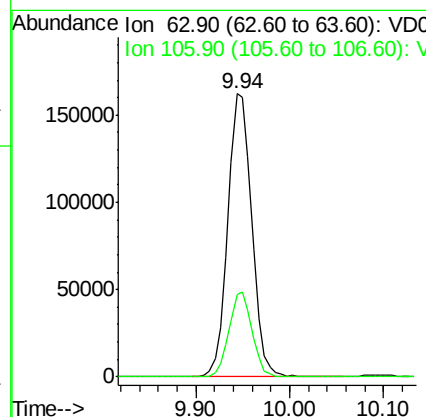
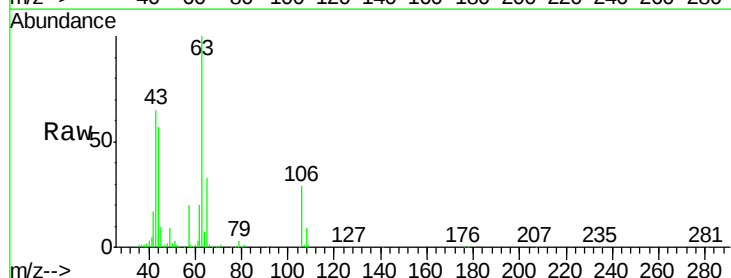
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

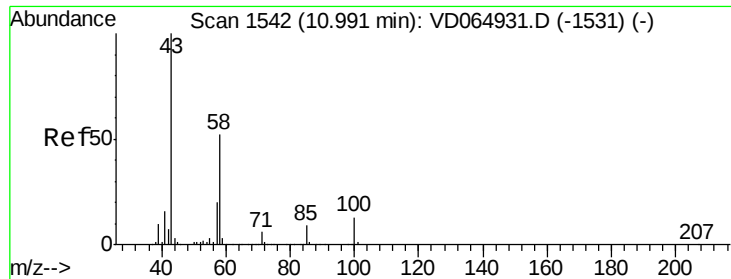
Tgt Ion: 76 Resp: 273372
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 198.15 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion: 63 Resp: 287883
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.0 34.4

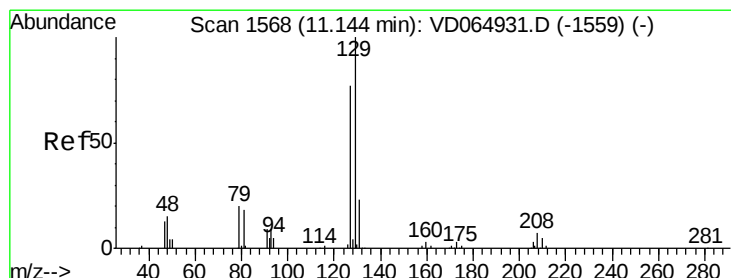
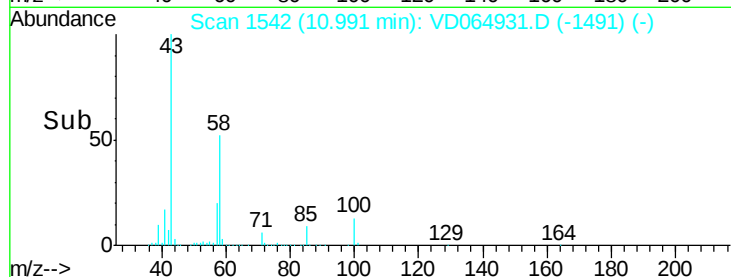
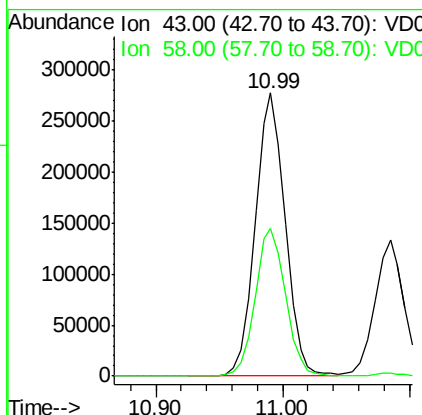
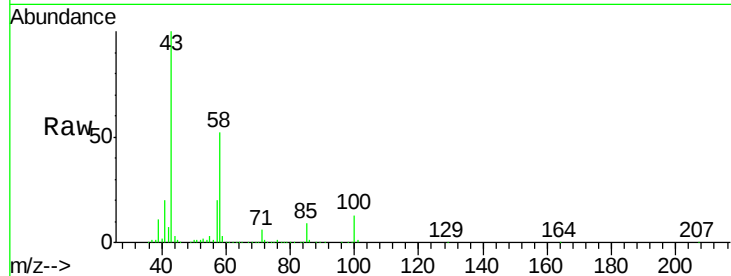




#59
2-Hexanone
Concen: 269.62 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

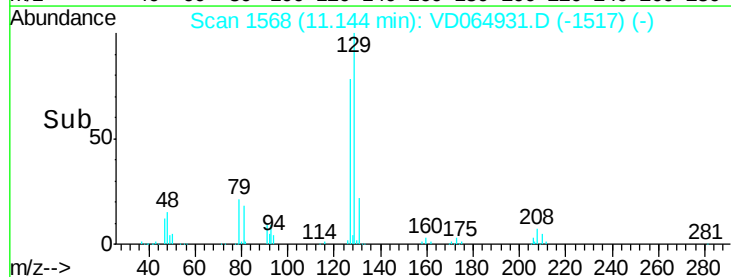
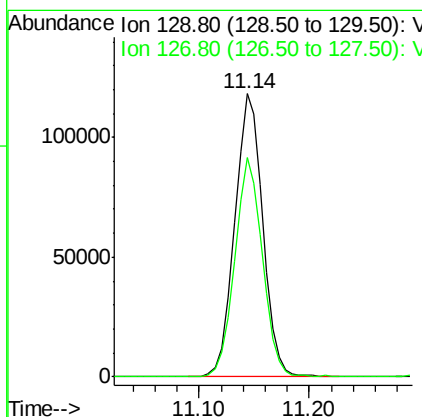
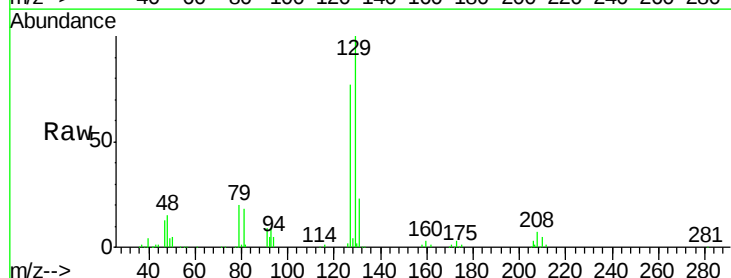
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

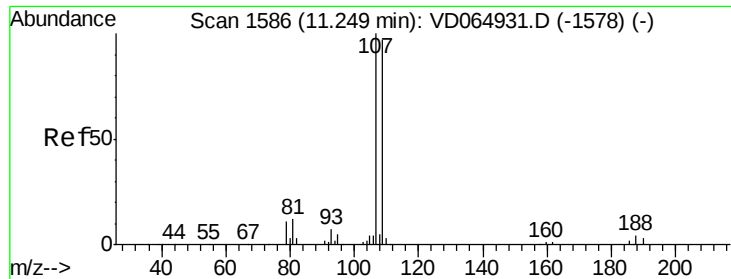
Tgt Ion: 43 Resp: 457298
Ion Ratio Lower Upper
43 100
58 52.9 26.5 79.4



#60
Dibromochloromethane
Concen: 48.66 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 129 Resp: 210388
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.98 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

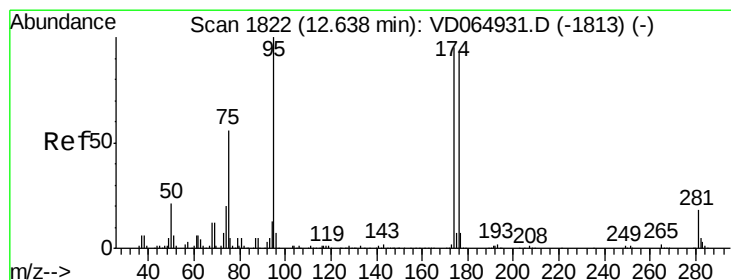
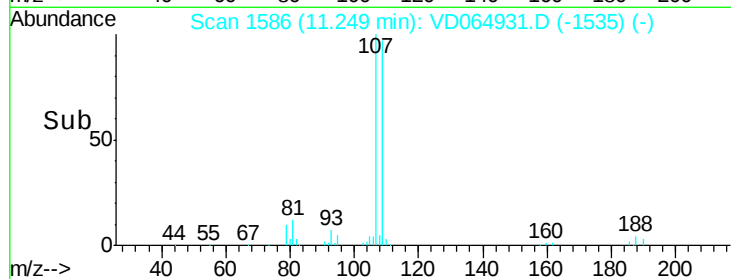
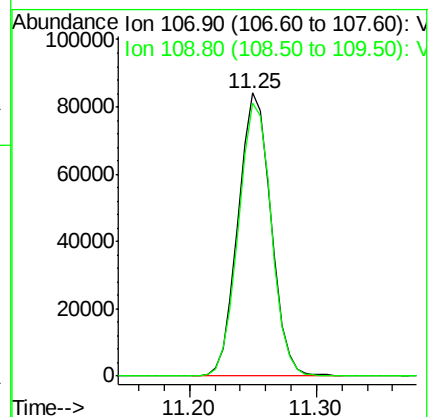
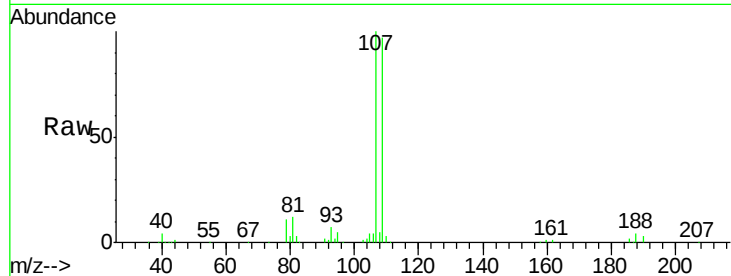
VSTDICCC050

Tgt Ion: 107 Resp: 151213

Ion Ratio Lower Upper

107 100

109 96.4 77.1 115.7



#62

4-Bromofluorobenzene

Concen: 52.61 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

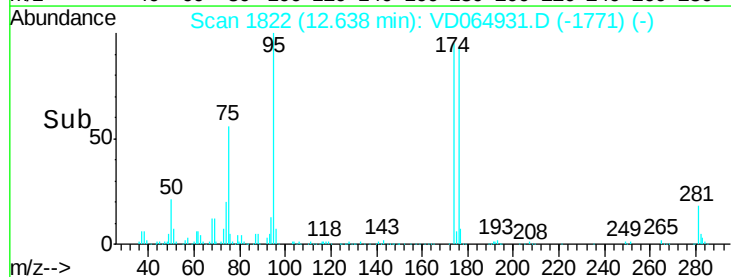
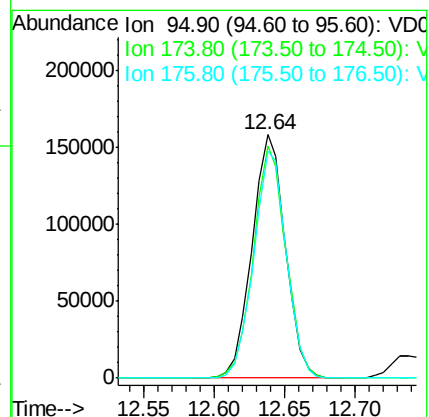
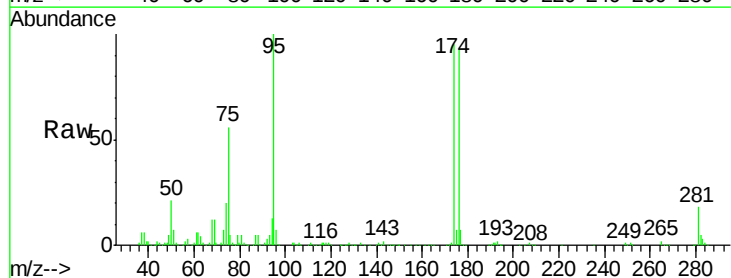
Tgt Ion: 95 Resp: 262065

Ion Ratio Lower Upper

95 100

174 93.4 0.0 186.8

176 91.7 0.0 183.4

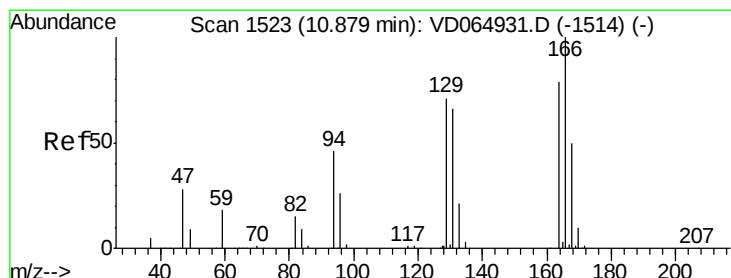
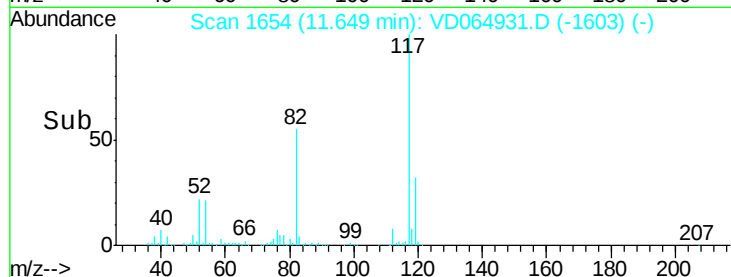
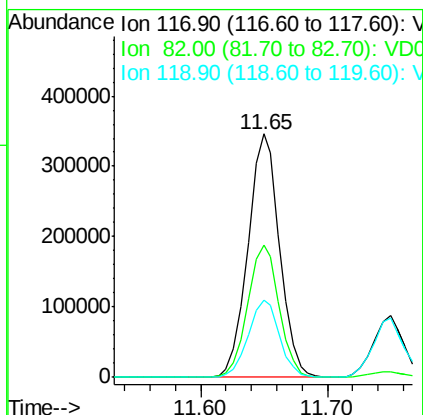
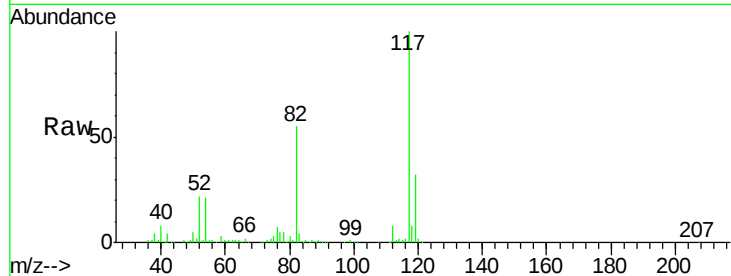




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

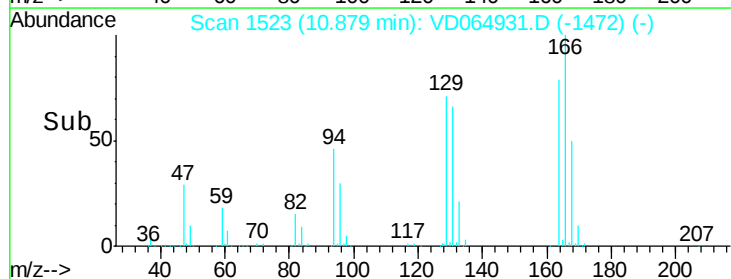
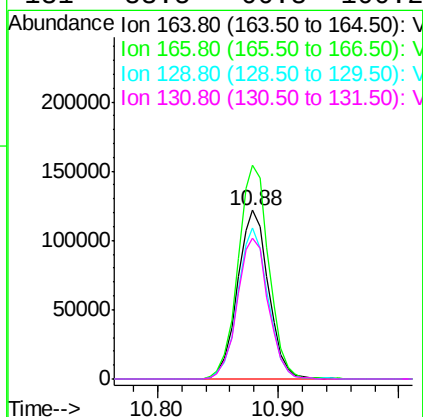
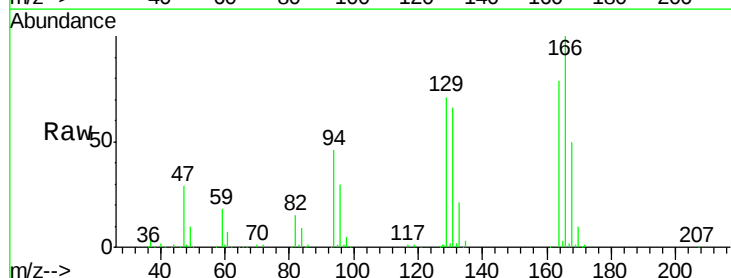
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

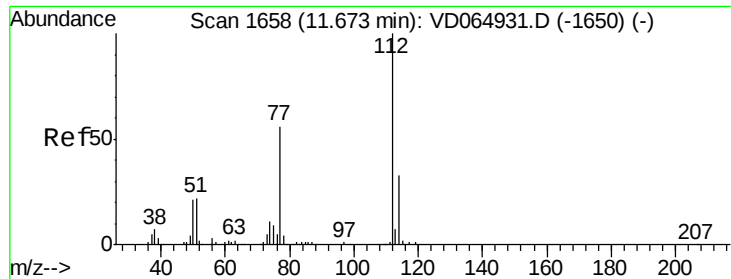
Tgt Ion:117 Resp: 600380
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 47.64 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion:164 Resp: 217144
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.2
129 89.8 71.8 107.8
131 83.5 66.8 100.2

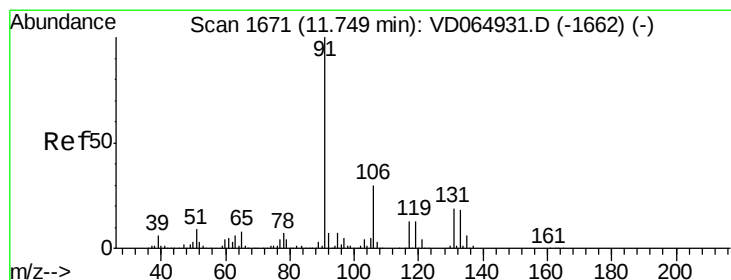
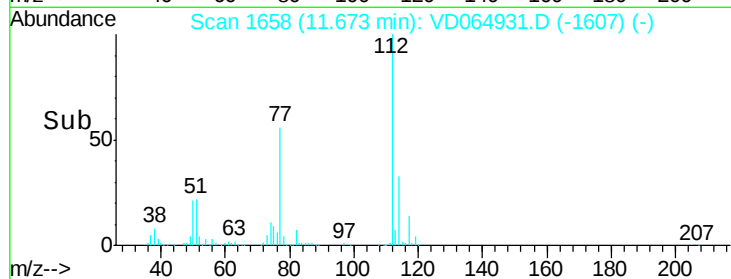
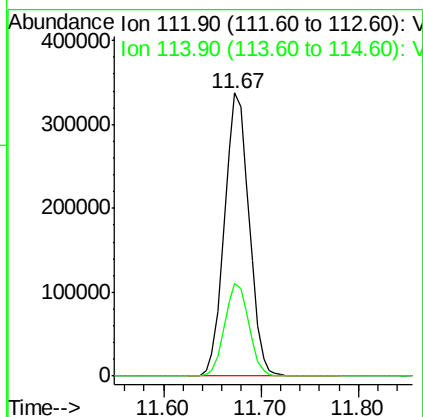
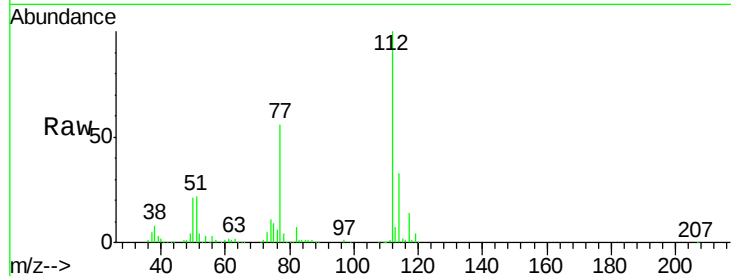




#65
Chlorobenzene
Concen: 47.94 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

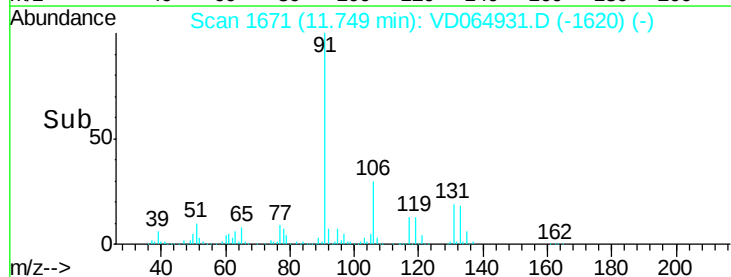
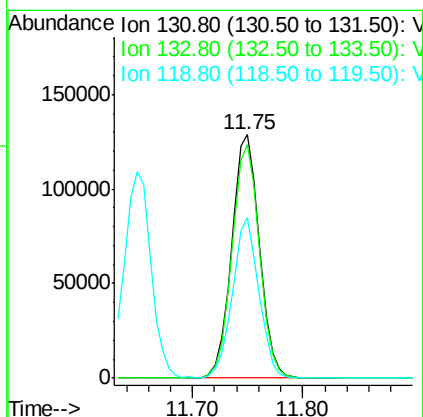
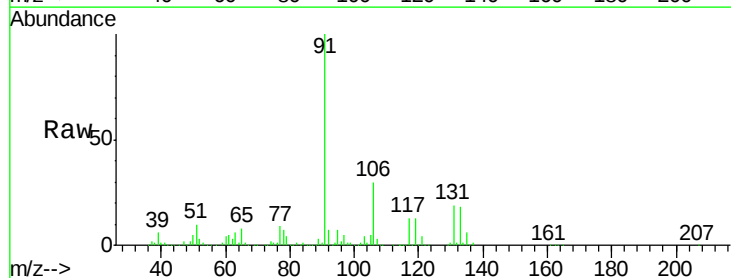
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

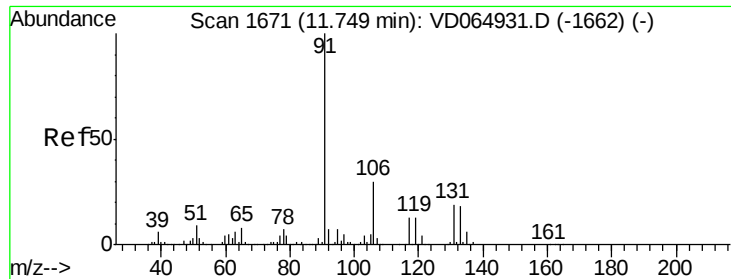
Tgt Ion:112 Resp: 588955
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.69 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion:131 Resp: 226566
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 62.3 31.1 93.5

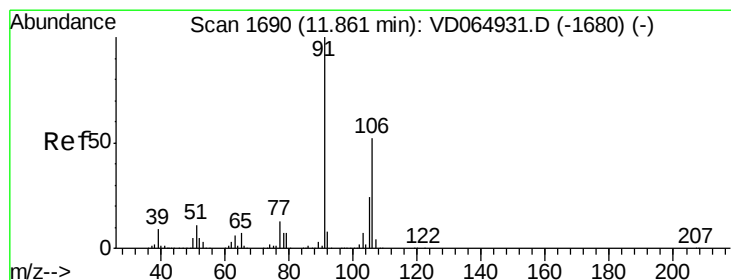
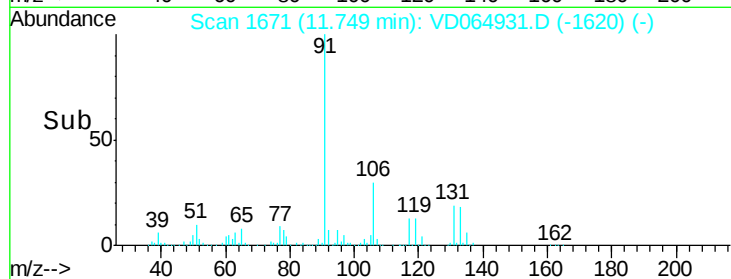
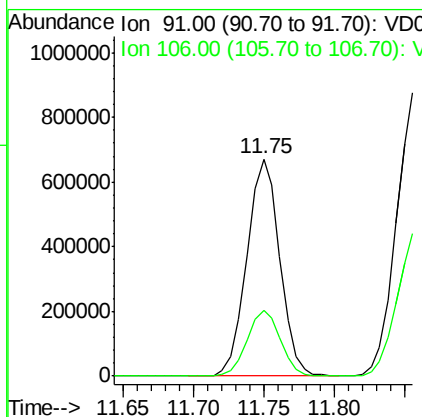
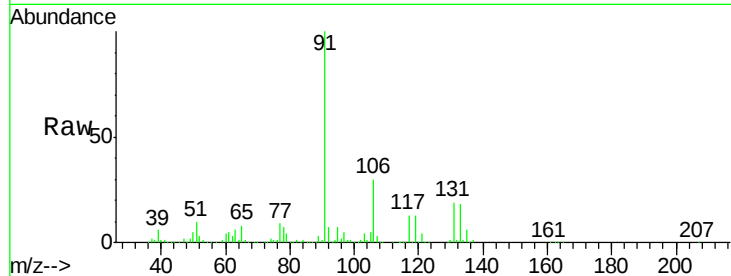




#67
Ethyl Benzene
Concen: 49.00 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

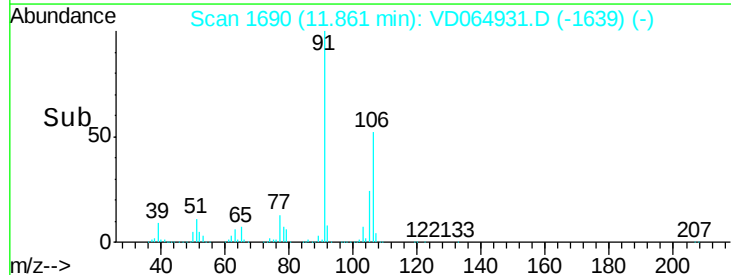
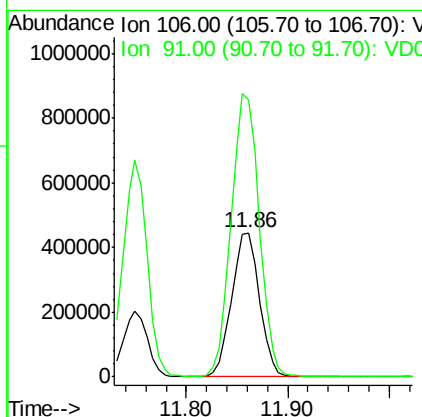
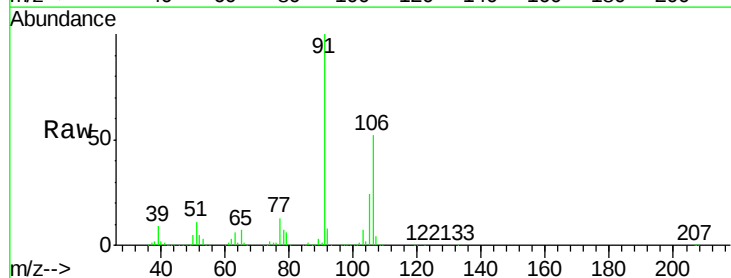
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

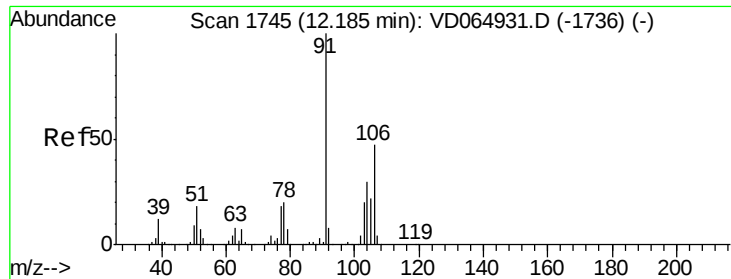
Tgt Ion: 91 Resp: 1098226
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 98.20 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 106 Resp: 847493
Ion Ratio Lower Upper
106 100
91 198.7 159.0 238.4

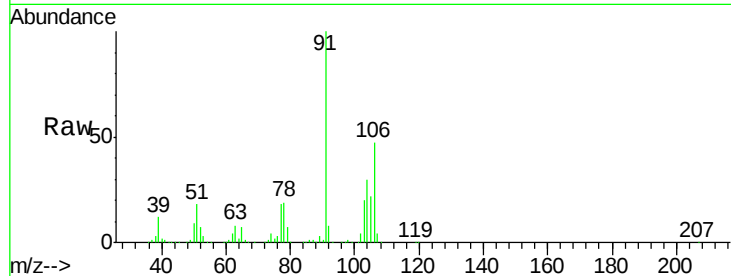




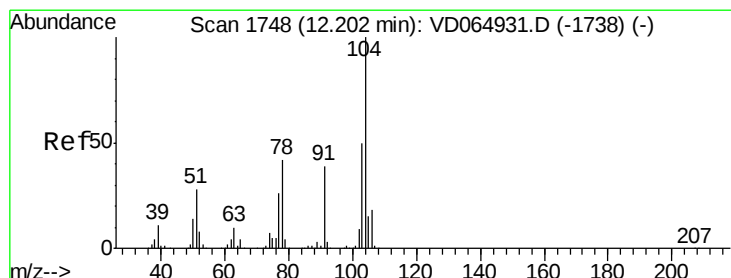
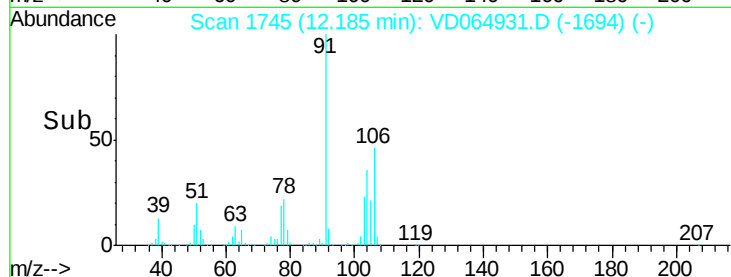
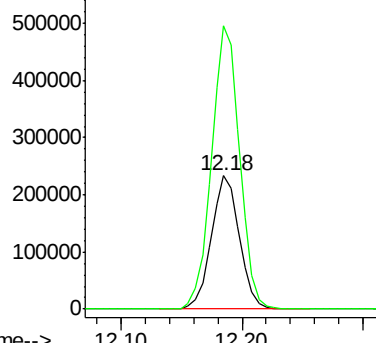
#69
o-Xylene
Concen: 48.27 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 375525
Ion Ratio Lower Upper
106 100
91 213.3 106.7 319.9

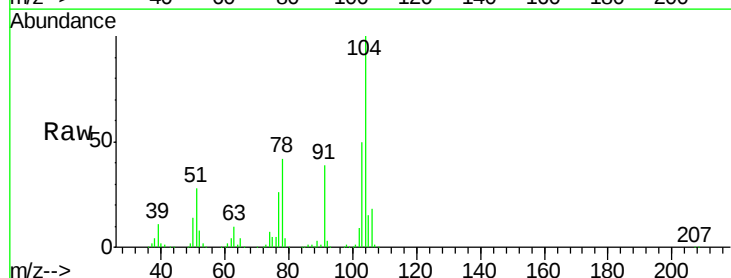


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

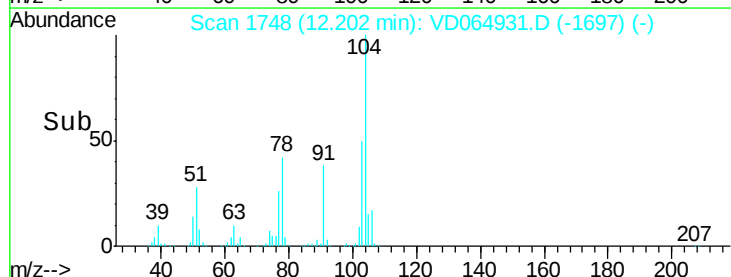
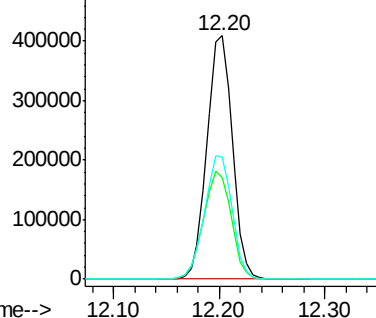


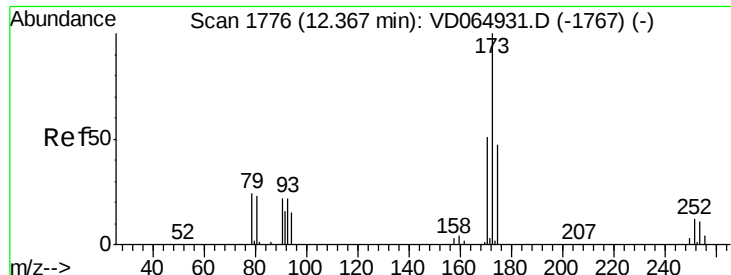
#70
Styrene
Concen: 49.70 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion:104 Resp: 682579
Ion Ratio Lower Upper
104 100
78 47.9 38.3 57.5
103 54.4 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V

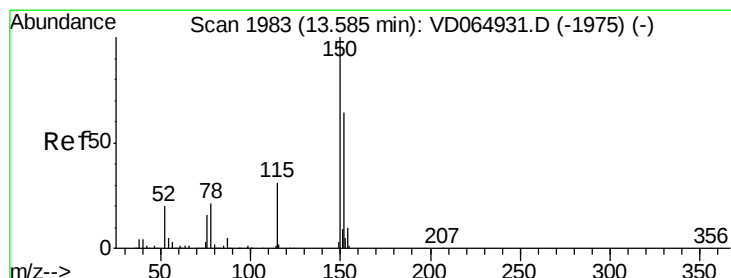
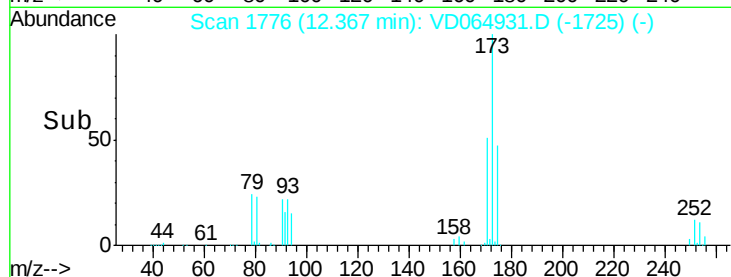
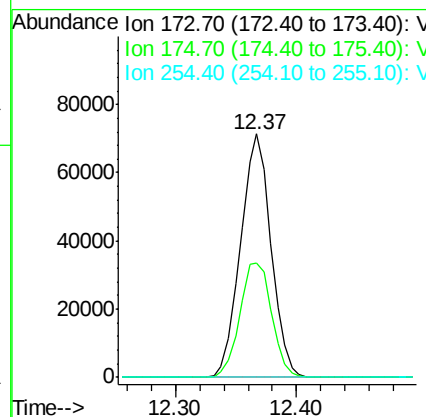
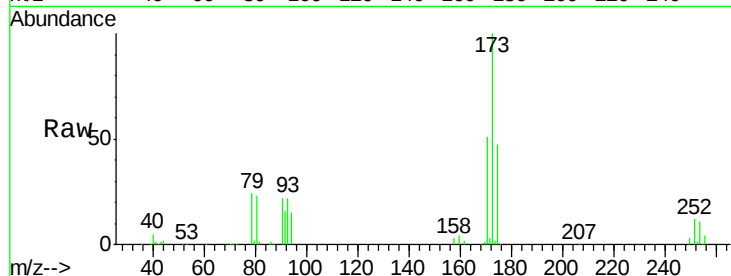




#71
Bromoform
Concen: 47.70 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

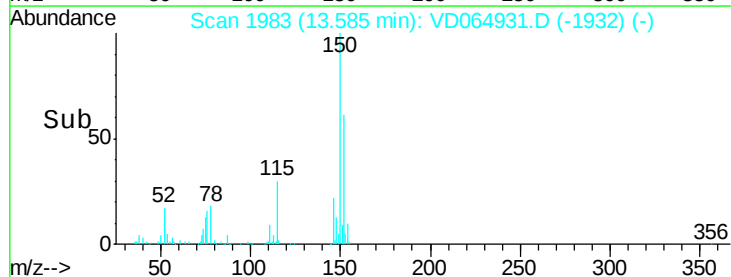
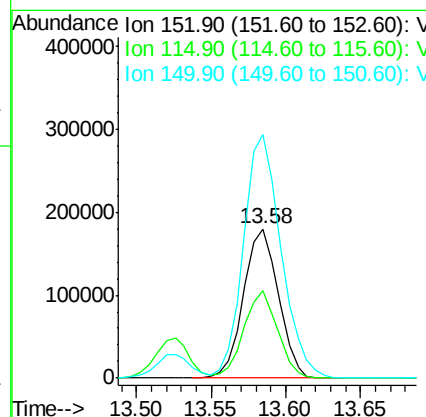
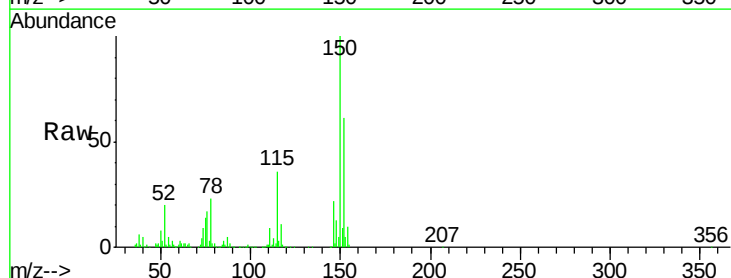
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

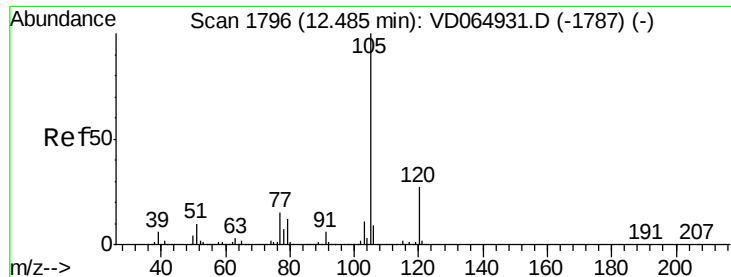
Tgt Ion:173 Resp: 125824
Ion Ratio Lower Upper
173 100
175 49.2 24.6 73.8
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion:152 Resp: 291886
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.4
150 175.2 0.0 350.4

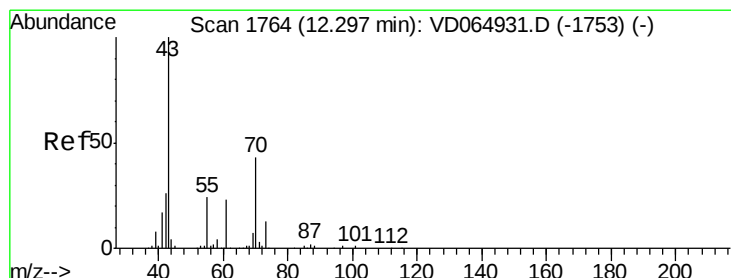
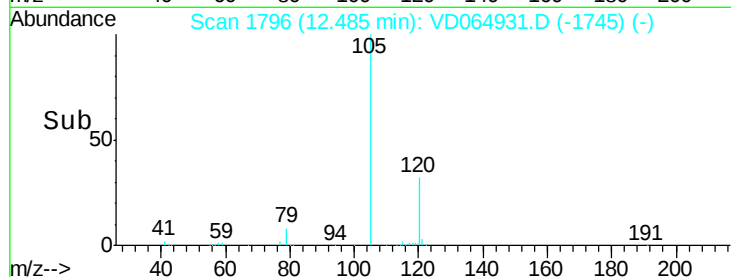
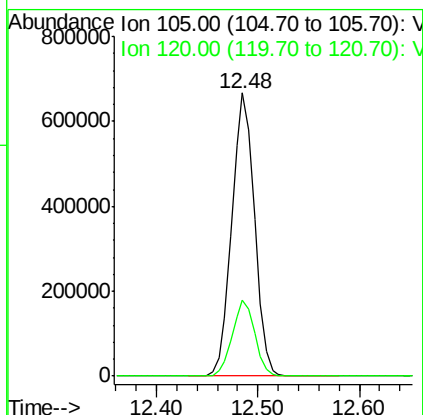
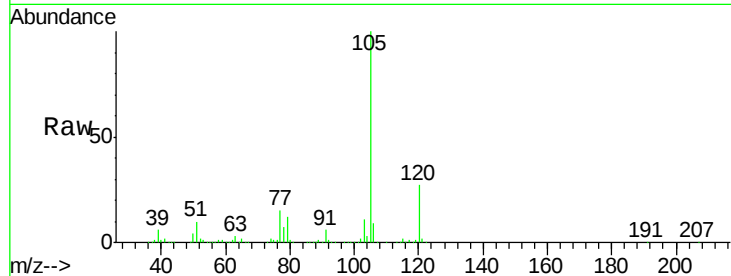




#73
Isopropylbenzene
Concen: 50.01 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

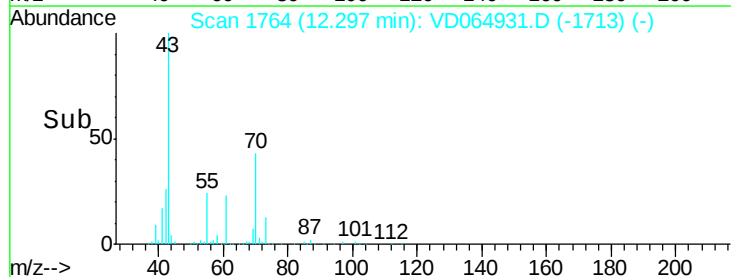
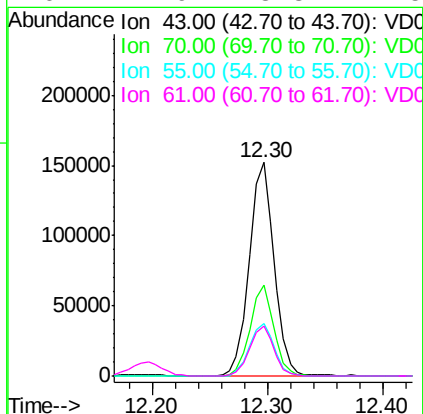
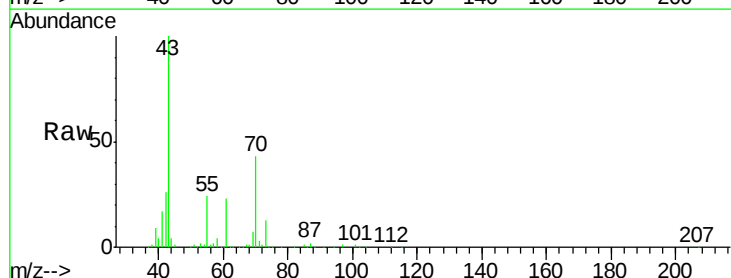
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

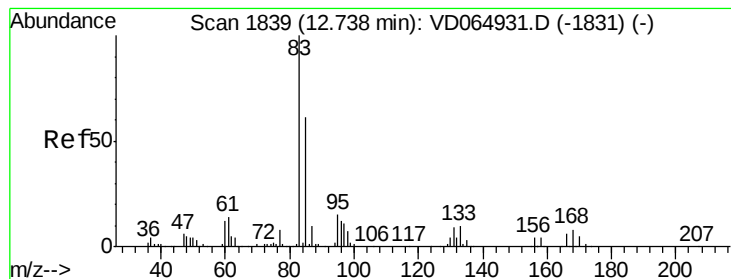
Tgt Ion:105 Resp: 1034838
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8



#74
N-ethyl acetate
Concen: 51.54 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 43 Resp: 228570
Ion Ratio Lower Upper
43 100
70 40.8 32.6 49.0
55 24.9 19.9 29.9
61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.93 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

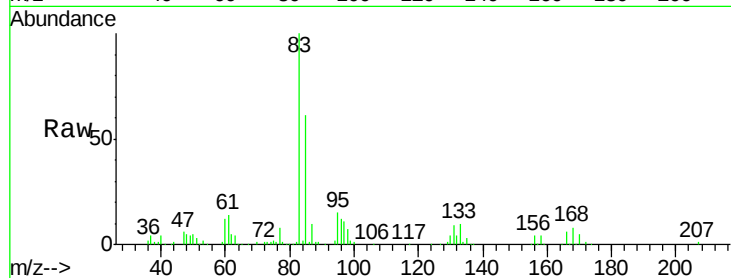
Tgt Ion: 83 Resp: 166635

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

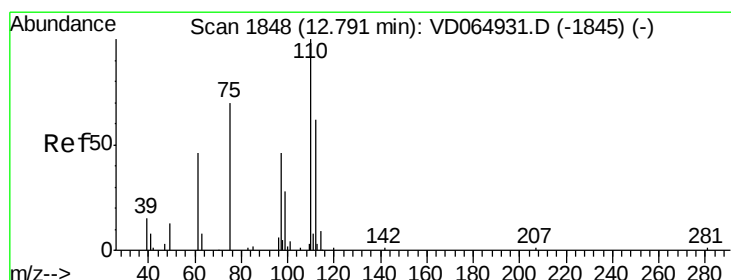
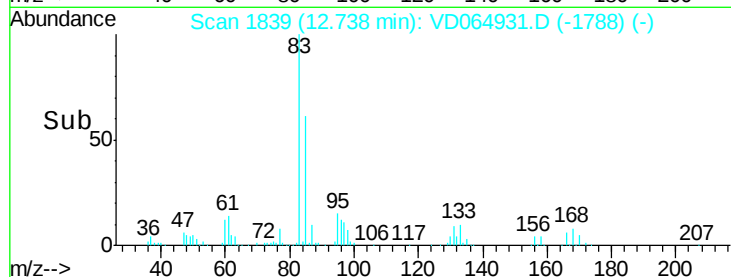
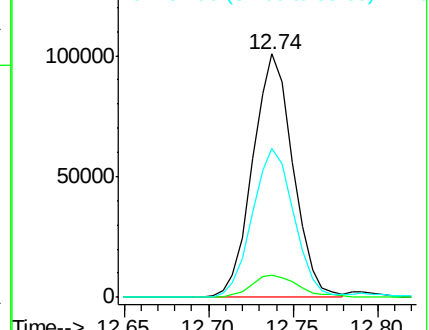
85 63.1 31.6 94.7



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: 92.81 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064931.D

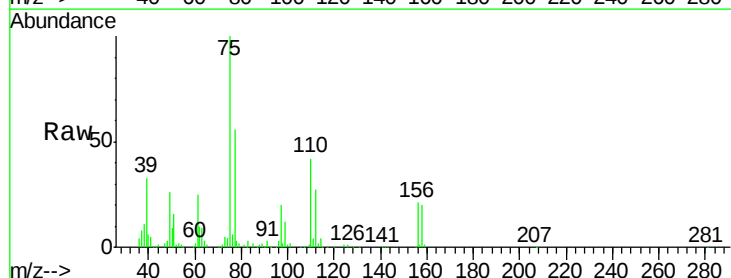
Acq: 23 Jan 2020 12:21

Tgt Ion: 75 Resp: 222877

Ion Ratio Lower Upper

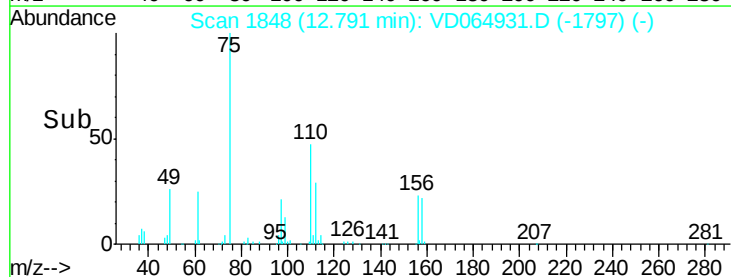
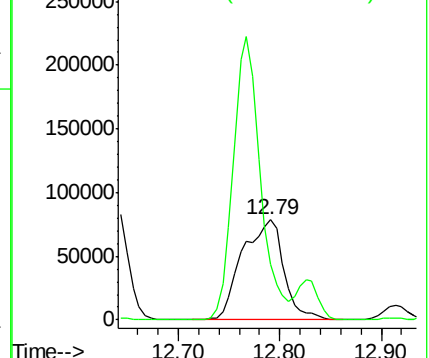
75 100

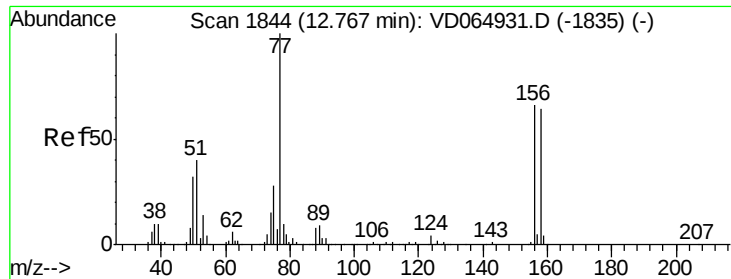
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.59 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

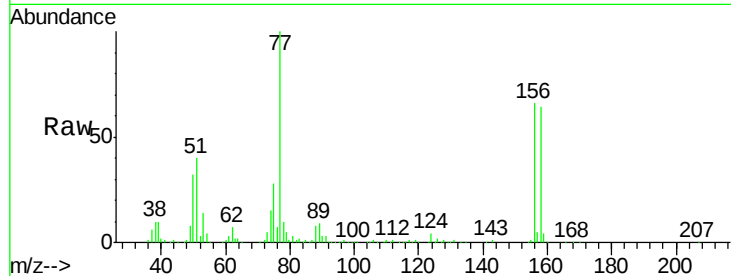
Tgt Ion:156 Resp: 246372

Ion Ratio Lower Upper

156 100

77 168.3 84.2 252.5

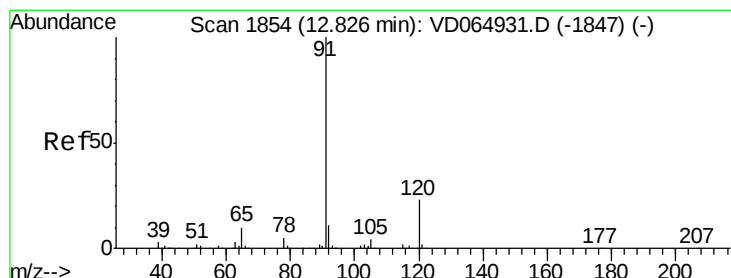
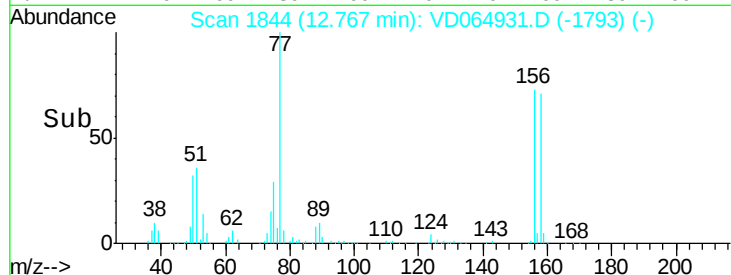
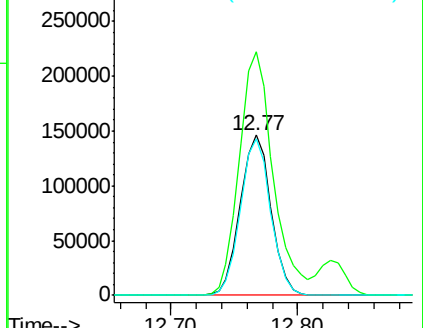
158 96.3 48.1 144.4



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: 50.39 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064931.D

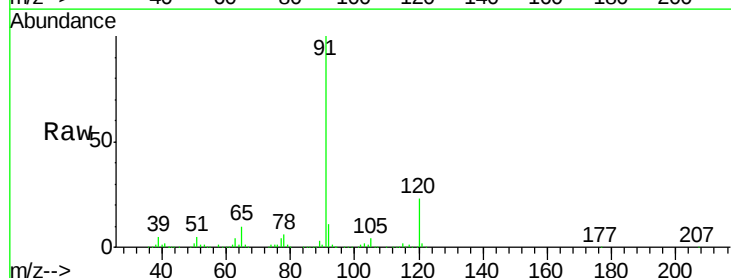
Acq: 23 Jan 2020 12:21

Tgt Ion: 91 Resp: 1220336

Ion Ratio Lower Upper

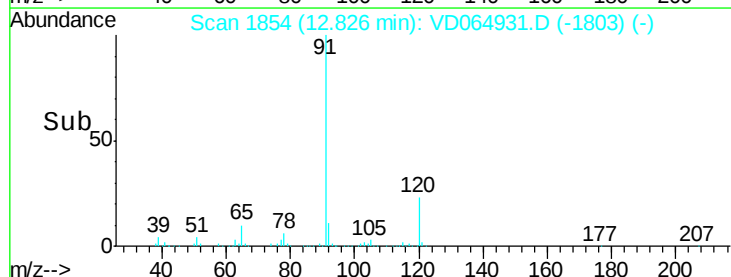
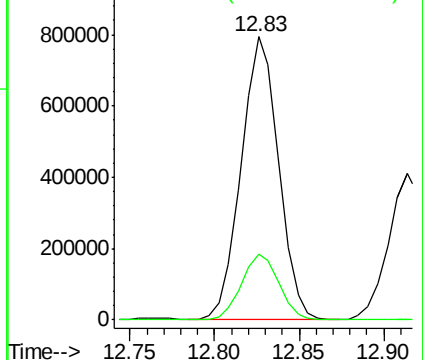
91 100

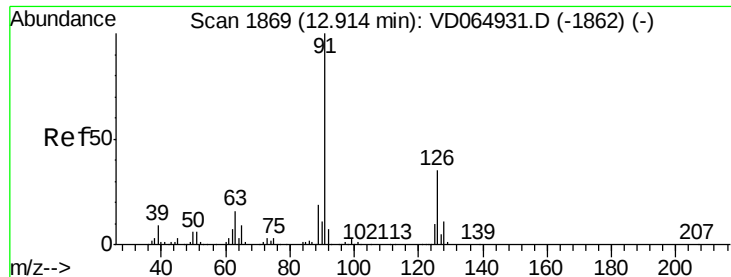
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.81 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

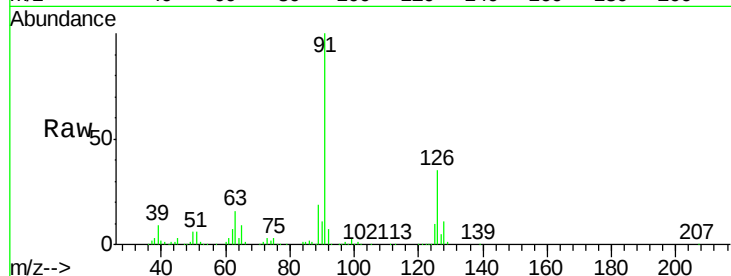
VSTDICCC050

Tgt Ion: 91 Resp: 662378

Ion Ratio Lower Upper

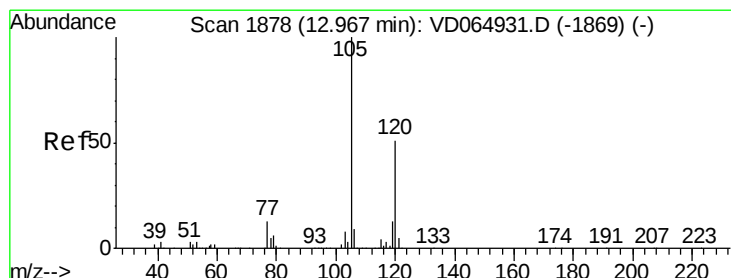
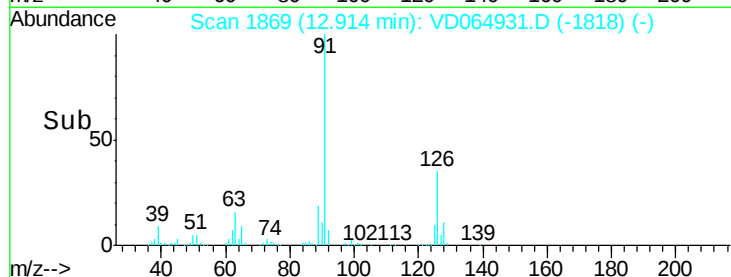
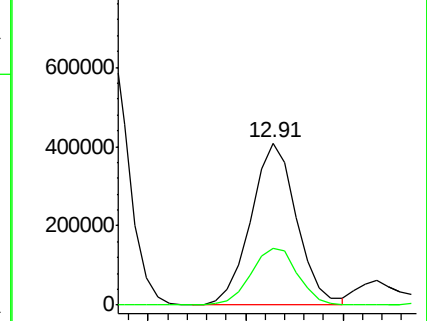
91 100

126 35.9 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.46 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064931.D

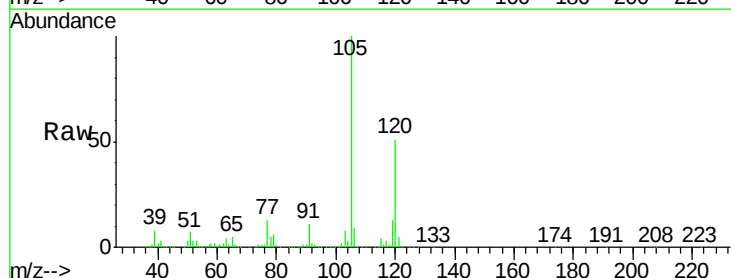
Acq: 23 Jan 2020 12:21

Tgt Ion: 105 Resp: 838550

Ion Ratio Lower Upper

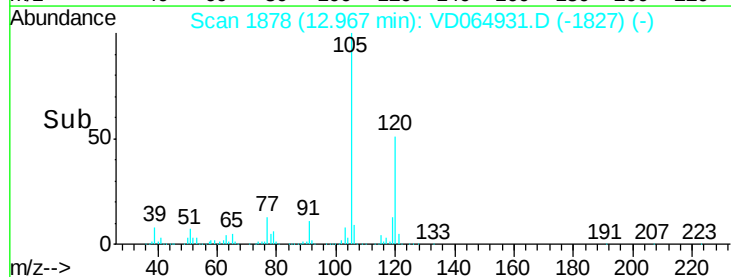
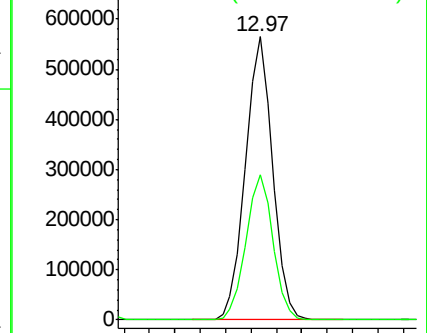
105 100

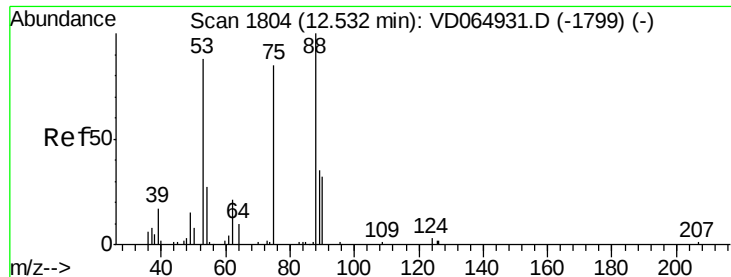
120 51.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.94 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

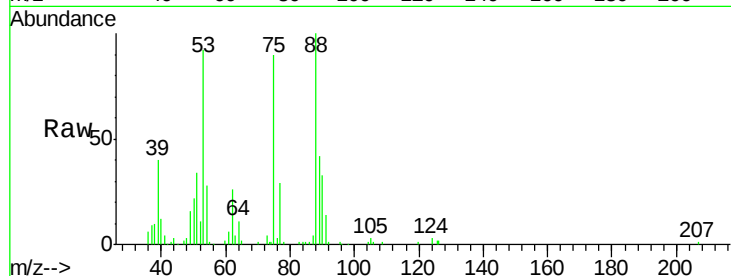
Tgt Ion: 75 Resp: 57409

Ion Ratio Lower Upper

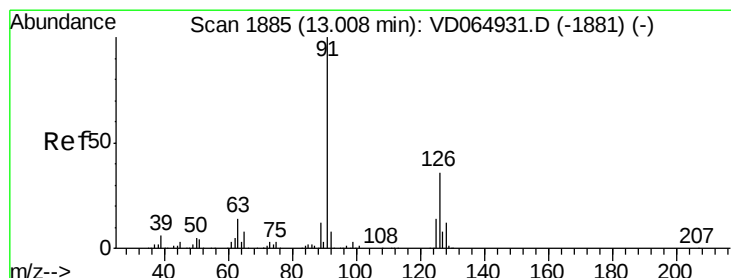
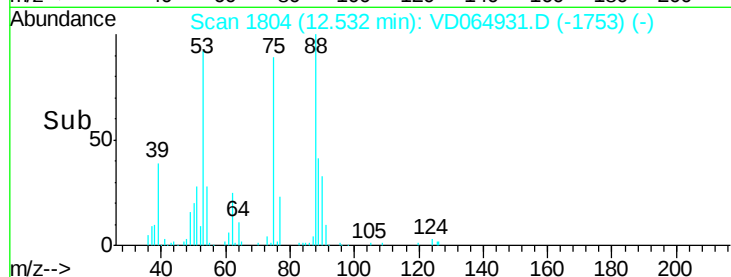
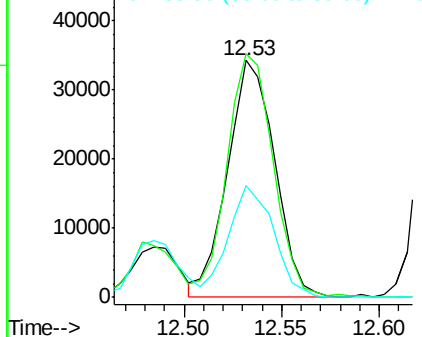
75 100

53 101.2 81.0 121.4

89 45.3 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 49.24 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064931.D

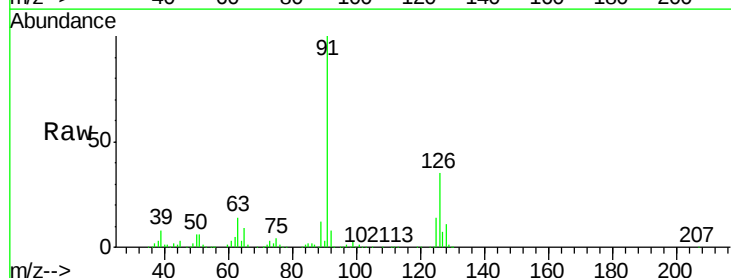
Acq: 23 Jan 2020 12:21

Tgt Ion: 91 Resp: 695635

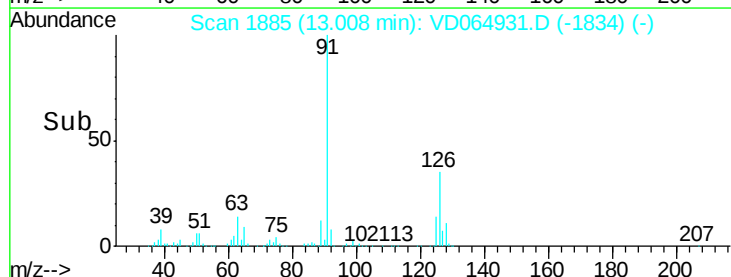
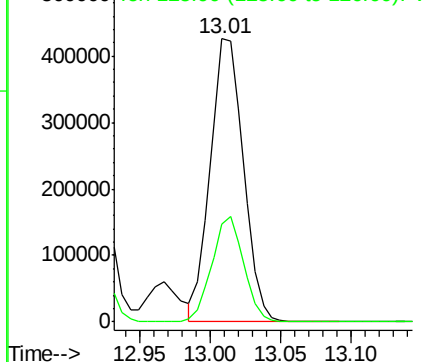
Ion Ratio Lower Upper

91 100

126 36.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

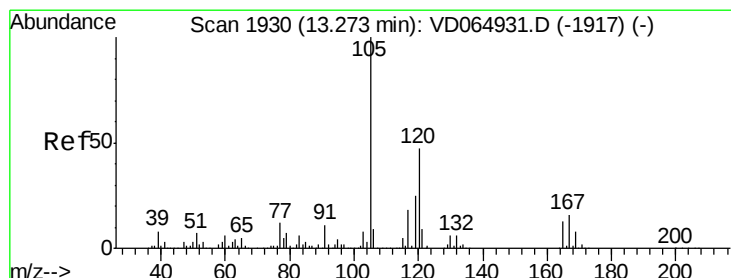
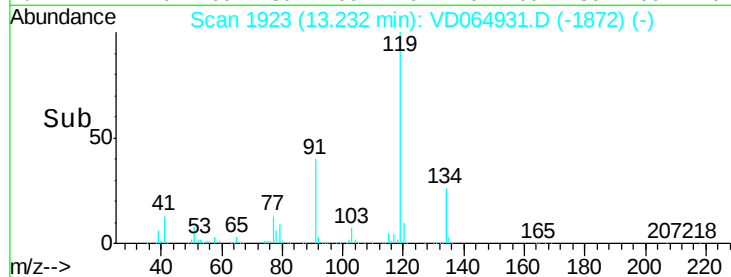
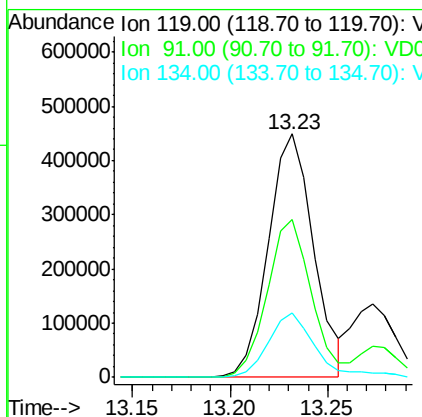
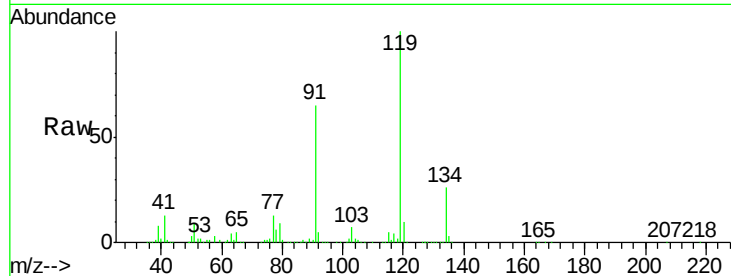




#83
 tert-Butylbenzene
 Concen: 49.04 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

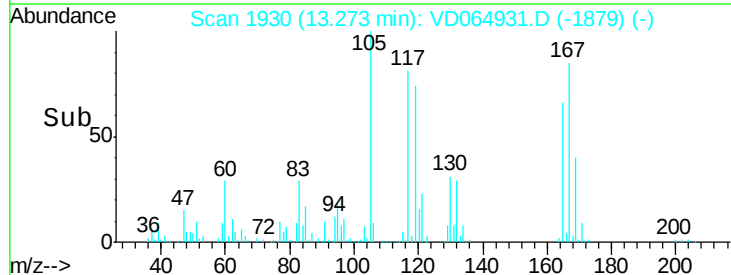
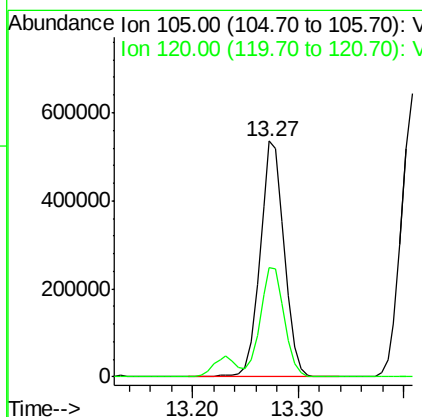
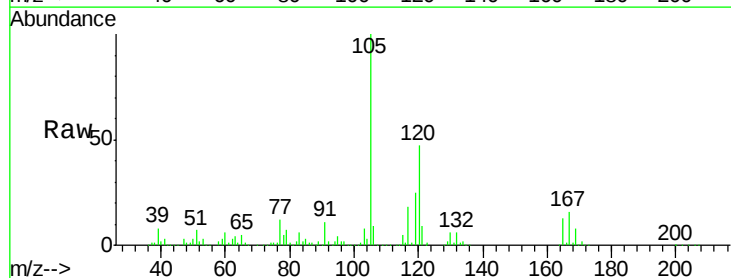
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

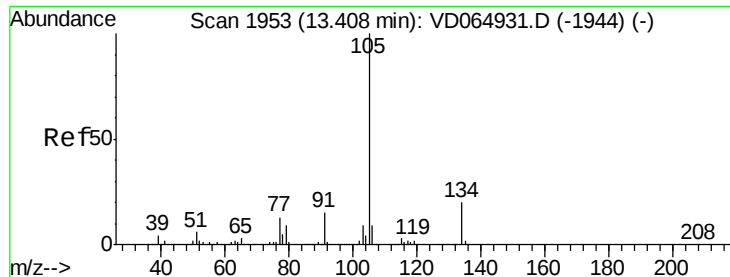
Tgt Ion:119 Resp: 720869
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.0 96.0
 134 27.7 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.05 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion:105 Resp: 848112
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.3

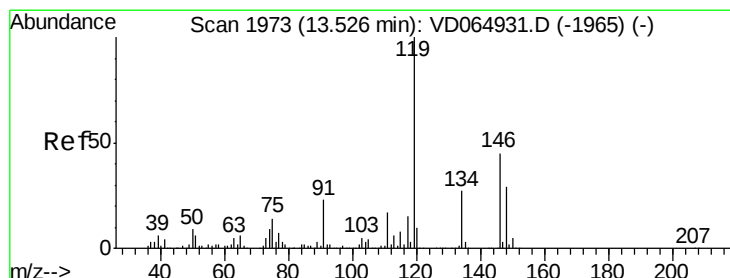
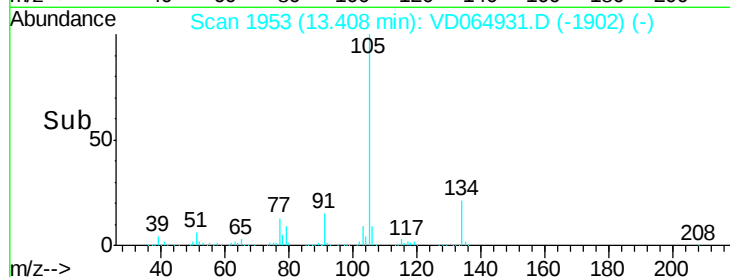
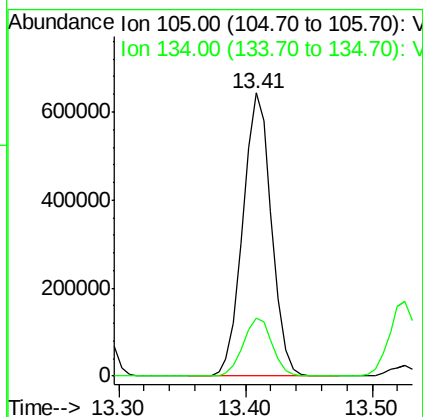
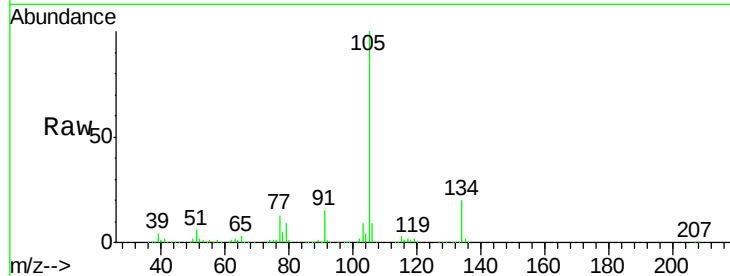




#85
 sec-Butylbenzene
 Concen: 49.58 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

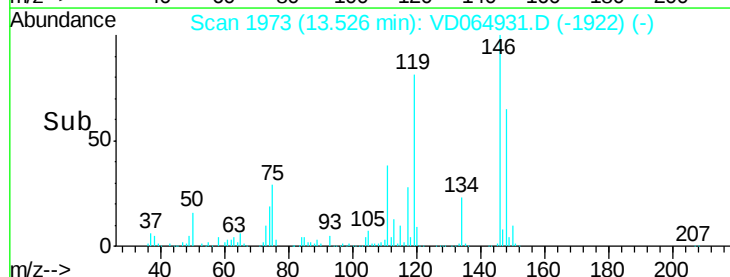
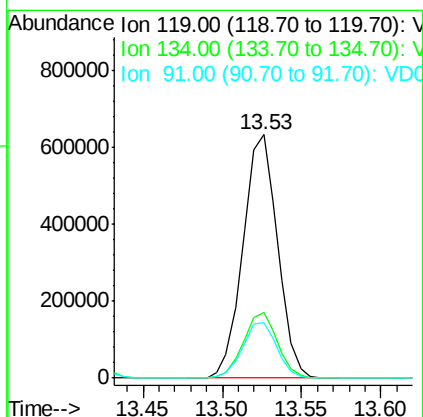
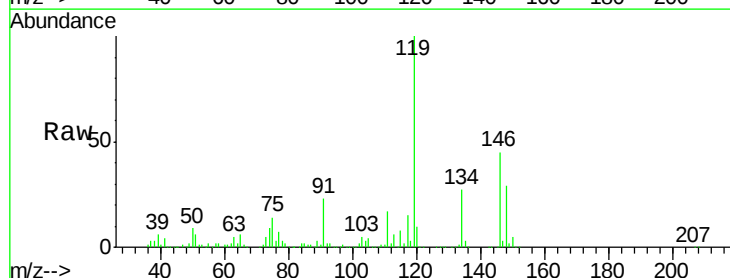
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

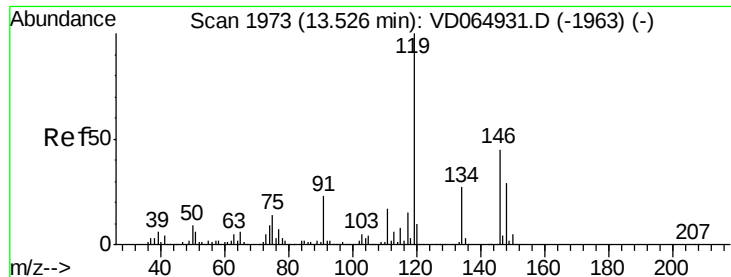
Tgt Ion:105 Resp: 1001876
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 49.63 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion:119 Resp: 957681
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.8 11.4 34.2

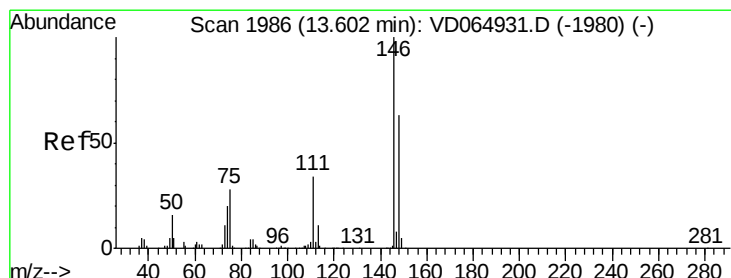
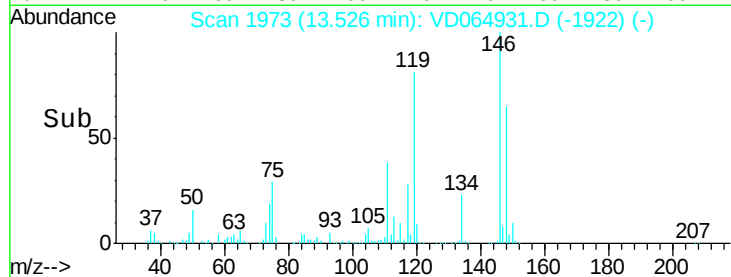
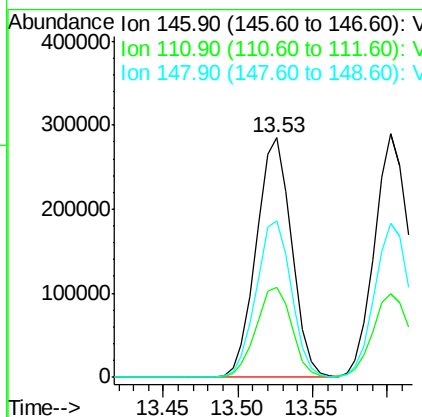
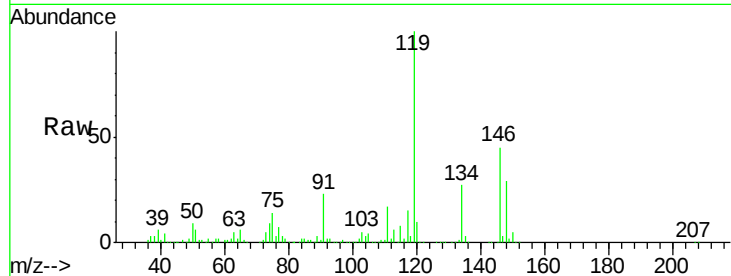




#87
 1,3-Dichlorobenzene
 Concen: 48.21 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

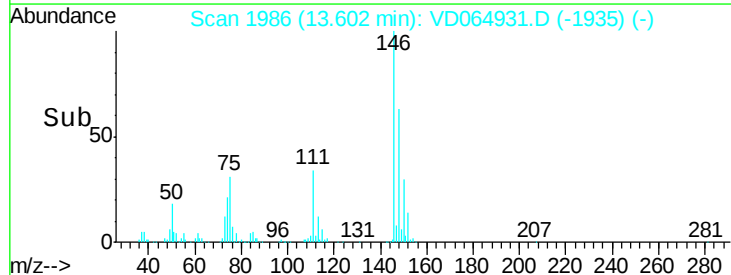
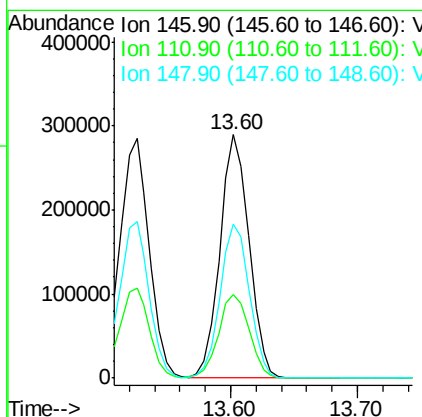
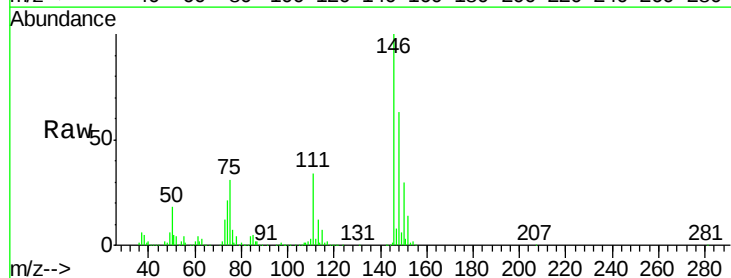
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

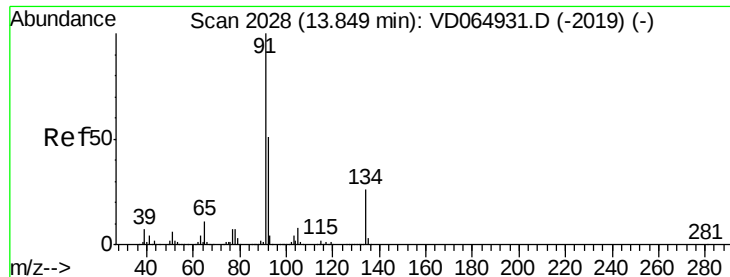
Tgt Ion:146 Resp: 466118
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 65.1 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 48.45 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion:146 Resp: 459628
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.2 54.6
 148 64.0 32.0 96.0

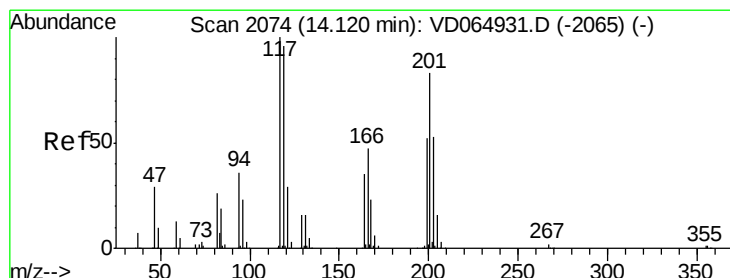
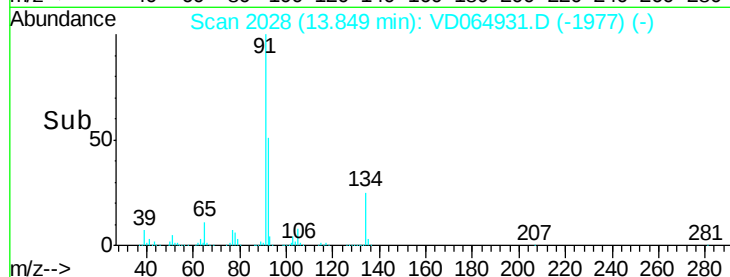
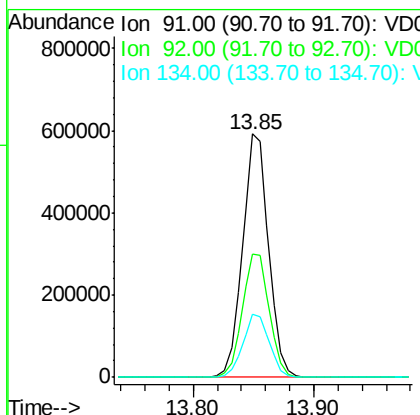
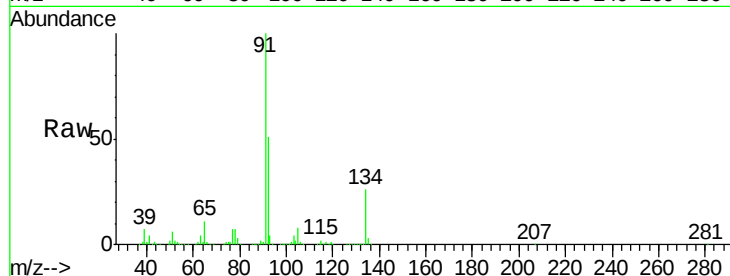




#89
n-Butylbenzene
Concen: 50.56 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

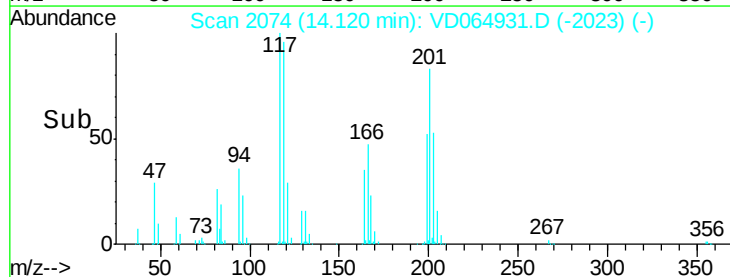
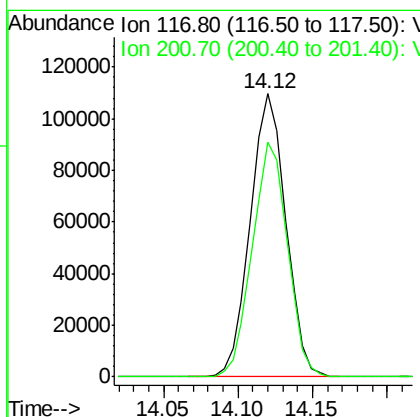
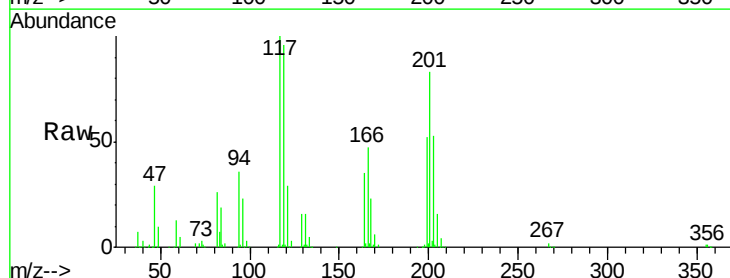
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 882749
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 26.6 13.3 39.9



#90
Hexachloroethane
Concen: 48.86 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 117 Resp: 180099
Ion Ratio Lower Upper
117 100
201 82.2 41.1 123.3

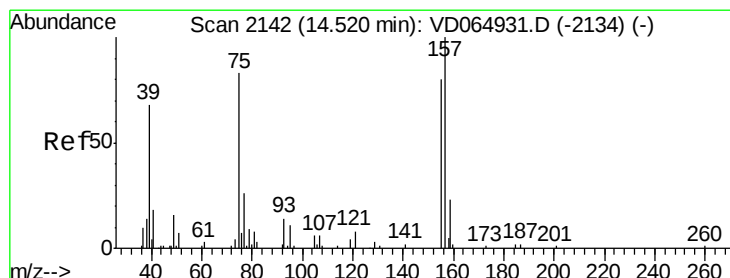
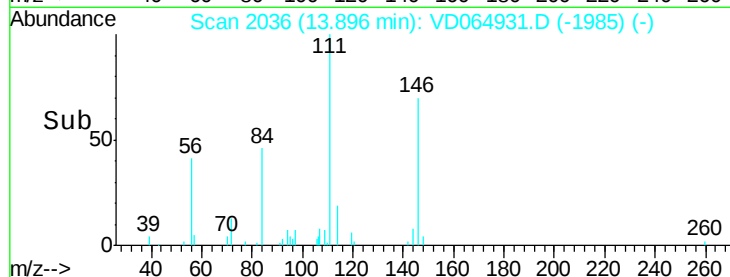
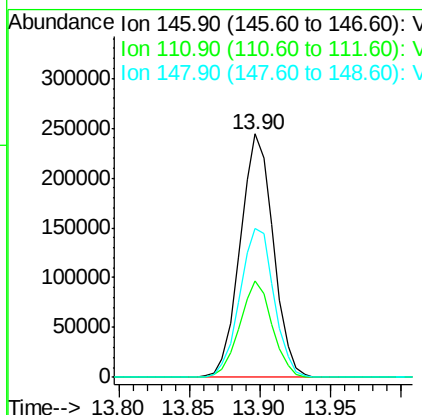
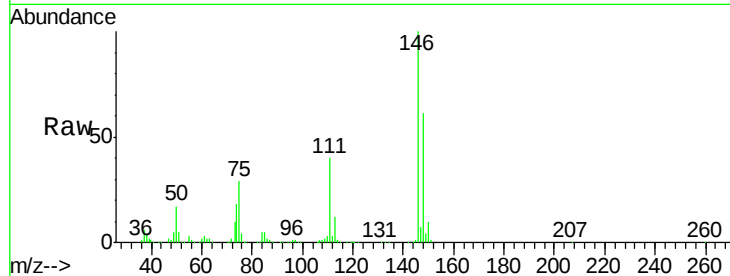




#91
 1,2-Dichlorobenzene
 Concen: 48.63 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

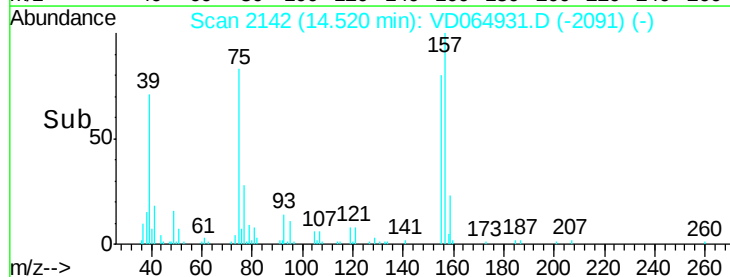
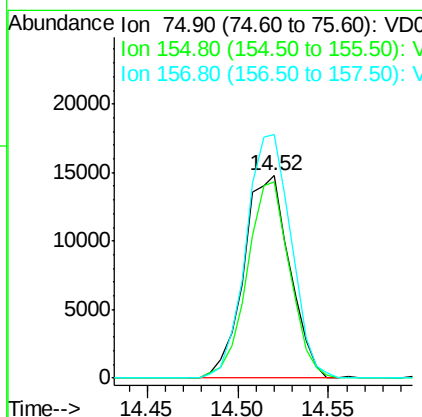
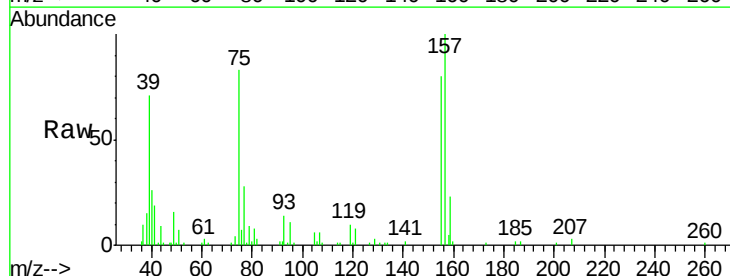
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

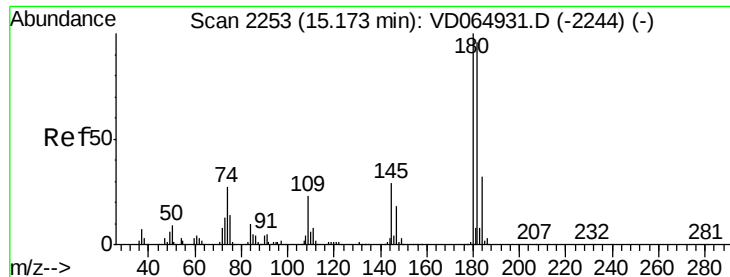
Tgt Ion:146 Resp: 400898
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.2
 148 63.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.19 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion: 75 Resp: 26036
 Ion Ratio Lower Upper
 75 100
 155 89.8 44.9 134.7
 157 117.7 58.9 176.6

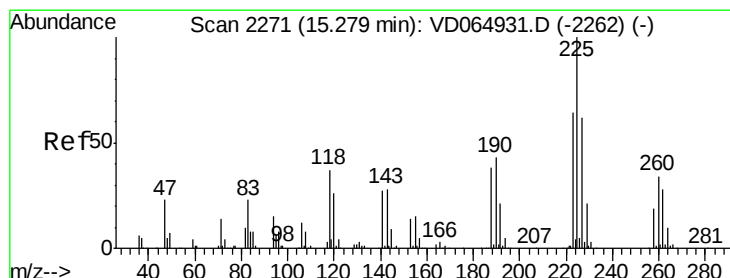
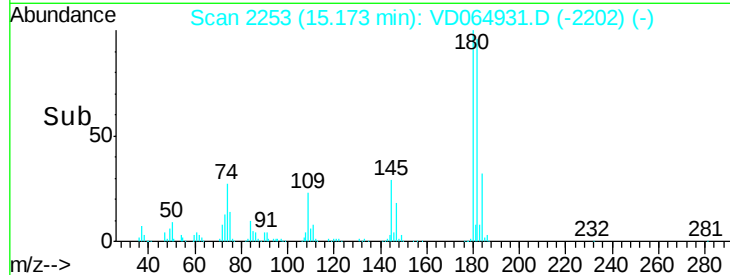
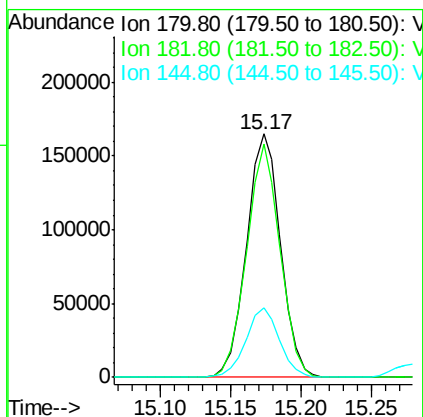
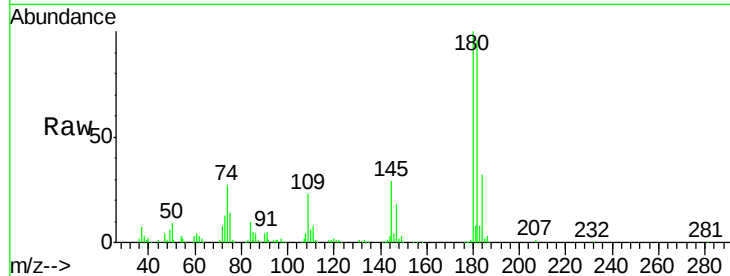




#93
 1,2,4-Trichlorobenzene
 Concen: 46.34 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

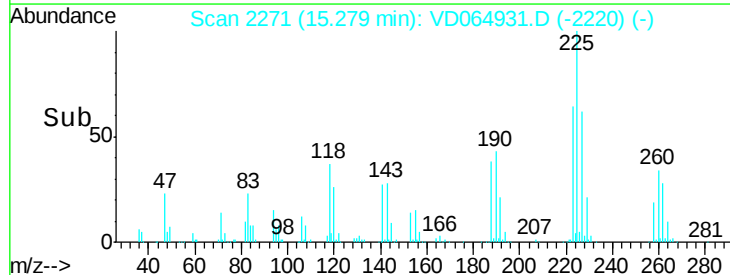
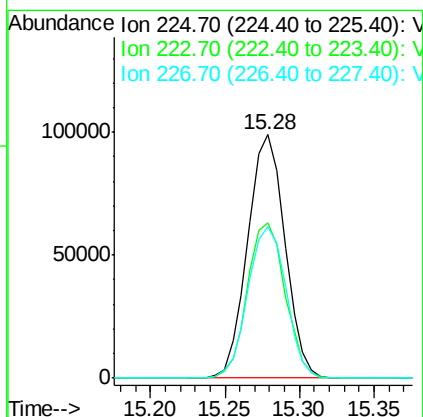
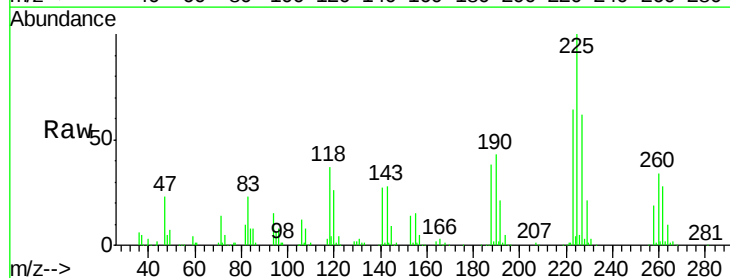
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

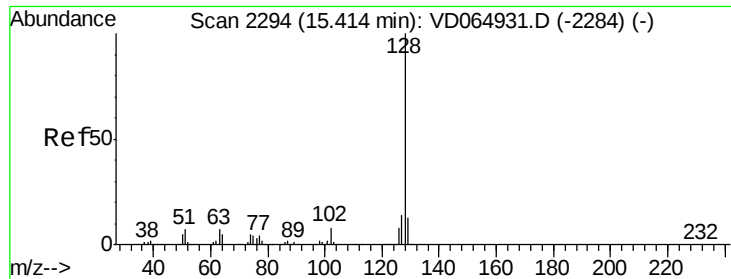
Tgt Ion:180 Resp: 278183
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.1 141.4
 145 28.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 45.29 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion:225 Resp: 170901
 Ion Ratio Lower Upper
 225 100
 223 64.8 32.4 97.2
 227 63.9 31.9 95.9

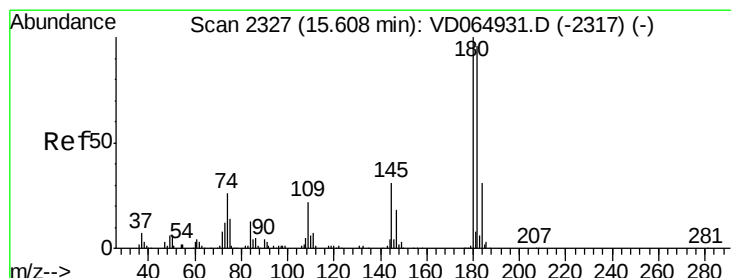
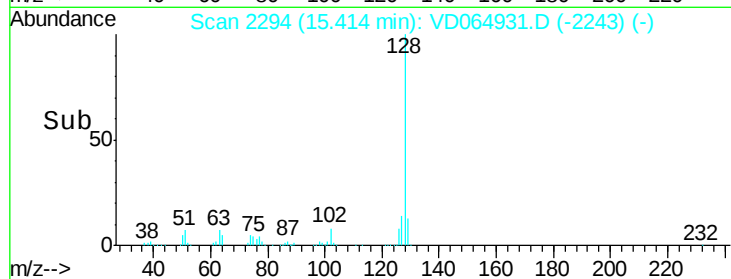
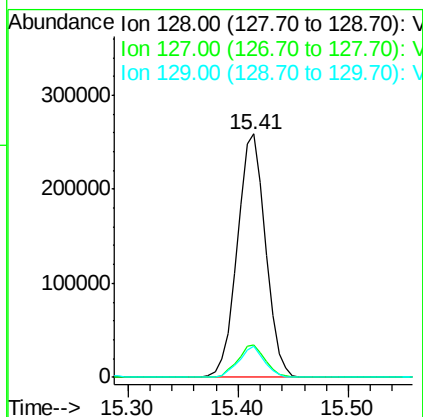
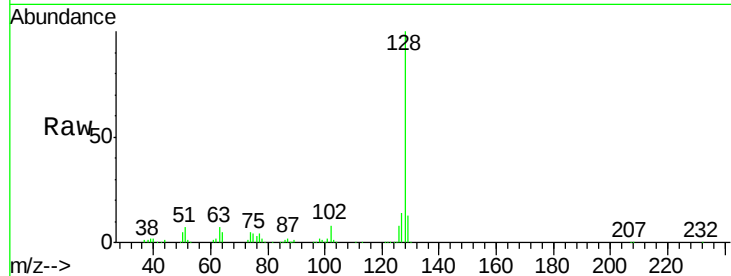




#95
Naphthalene
Concen: 48.75 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 464373
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.6 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 47.34 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion:180 Resp: 243422
Ion Ratio Lower Upper
180 100
182 94.5 47.3 141.8
145 29.2 14.6 43.8

