

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064934.D
 Acq On : 23 Jan 2020 13:59
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

Quant Time: Jan 23 14:20:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	515750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	223262	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	7.91	113	220855	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
50) Toluene-d8	10.34	98	864145	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.64	95	268299	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199245	51.28	ug/l	98
3) Chloromethane	2.21	50	284679	49.99	ug/l	94
4) Vinyl Chloride	2.35	62	326495	49.92	ug/l	98
5) Bromomethane	2.77	94	209236	47.56	ug/l	99
6) Chloroethane	2.93	64	205452	47.65	ug/l	96
7) Trichlorofluoromethane	3.27	101	495739	49.08	ug/l	98
8) Diethyl Ether	3.71	74	101233	44.39	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233316	49.65	ug/l	99
10) Methyl Iodide	4.30	142	240239	48.16	ug/l	100
11) Tert butyl alcohol	5.25	59	67311	246.21	ug/l	99
12) 1,1-Dichloroethene	4.06	96	220893	49.20	ug/l	93
13) Acrolein	3.93	56	76180	222.28	ug/l	95
14) Allyl chloride	4.71	41	359761	50.24	ug/l	99
15) Acrylonitrile	5.43	53	230173	233.09	ug/l	99
16) Acetone	4.17	43	258208	217.09	ug/l	96
17) Carbon Disulfide	4.40	76	733367	49.63	ug/l	99
18) Methyl Acetate	4.73	43	104138	44.95	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	483021	48.15	ug/l	100
20) Methylene Chloride	4.97	84	243881	50.80	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	255775	49.45	ug/l	95
22) Diisopropyl ether	6.37	45	704187	49.35	ug/l	98
23) Vinyl Acetate	6.31	43	2051211	245.51	ug/l	100
24) 1,1-Dichloroethane	6.26	63	426090	48.63	ug/l	98
25) 2-Butanone	7.21	43	309233	231.37	ug/l	94
26) 2,2-Dichloropropane	7.21	77	393921	49.57	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	268428	48.62	ug/l	100
28) Bromochloromethane	7.55	49	175468	50.08	ug/l	98
29) Tetrahydrofuran	7.57	42	183883	222.98	ug/l	99
30) Chloroform	7.71	83	436429	48.19	ug/l	99
31) Cyclohexane	7.98	56	406146	47.12	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	413652	49.09	ug/l	99
36) 1,1-Dichloropropene	8.11	75	355776	49.74	ug/l	99
37) Ethyl Acetate	7.30	43	137717	46.62	ug/l	98
38) Carbon Tetrachloride	8.10	117	375526	49.67	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	433008	51.78	ug/l	100
40) Benzene	8.36	78	970998	49.29	ug/l	96
41) Methacrylonitrile	7.53	41	81477	51.20	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	276774	47.17	ug/l	99
43) Isopropyl Acetate	8.46	43	263546	46.96	ug/l	100
44) Trichloroethene	9.11	130	273205	49.56	ug/l	99
45) 1,2-Dichloropropane	9.39	63	229771	48.12	ug/l	98
46) Dibromomethane	9.48	93	126192	48.40	ug/l	97
47) Bromodichloromethane	9.67	83	331501	48.86	ug/l	99
48) Methyl methacrylate	9.46	41	135603	52.51	ug/l	95
49) 1,4-Dioxane	9.47	88	25878	855.83	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	656679	233.86	ug/l	99
52) Toluene	10.41	92	631387	49.71	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	319644	49.46	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	373041	49.30	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	165888	47.24	ug/l	97
56) Ethyl methacrylate	10.67	69	210036	50.01	ug/l	99
57) 1,3-Dichloropropane	10.95	76	285165	47.34	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	315485	226.12	ug/l	99
59) 2-Hexanone	10.99	43	480569	248.12	ug/l	99
60) Dibromochloromethane	11.14	129	222693	47.44	ug/l	99
61) 1,2-Dibromoethane	11.25	107	161289	47.70	ug/l	99
64) Tetrachloroethene	10.88	164	237355	50.00	ug/l	98
65) Chlorobenzene	11.68	112	652962	48.95	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	246589	49.16	ug/l	99
67) Ethyl Benzene	11.75	91	1214036	51.27	ug/l	99
68) m/p-Xylenes	11.86	106	930672	102.08	ug/l	98
69) o-Xylene	12.18	106	414584	51.24	ug/l	98
70) Styrene	12.20	104	729279	50.59	ug/l	99
71) Bromoform	12.37	173	132347	47.46	ug/l #	100
73) Isopropylbenzene	12.48	105	1134068	51.90	ug/l	100
74) N-amyl acetate	12.30	43	237015	48.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	172587	47.00	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	234862	88.52	ug/l #	100
77) Bromobenzene	12.77	156	267838	50.10	ug/l	98
78) n-propylbenzene	12.83	91	1356787	52.22	ug/l	100
79) 2-Chlorotoluene	12.91	91	727034	51.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	928576	51.86	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	58979	47.46	ug/l	99
82) 4-Chlorotoluene	13.01	91	761331	50.36	ug/l	100
83) tert-Butylbenzene	13.23	119	790283	52.01	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	930653	51.31	ug/l	100
85) sec-Butylbenzene	13.41	105	1121520	52.13	ug/l	100
86) p-Isopropyltoluene	13.53	119	1062060	52.75	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	518469	50.55	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	500214	49.13	ug/l	99
89) n-Butylbenzene	13.86	91	967967	52.68	ug/l	99
90) Hexachloroethane	14.12	117	194797	50.17	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	425137	48.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28049	47.73	ug/l	99

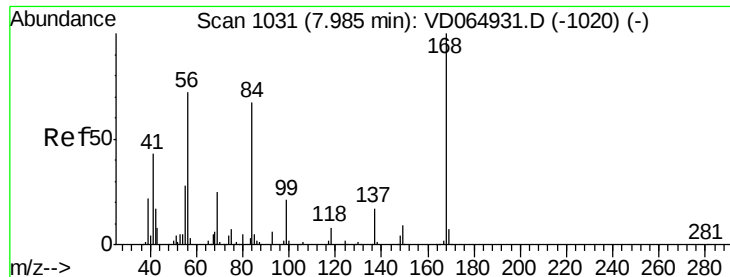
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	307404	51.03	ug/l	99
94) Hexachlorobutadiene	15.28	225	193432	50.76	ug/l	97
95) Naphthalene	15.41	128	502409	51.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	265169	50.77	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

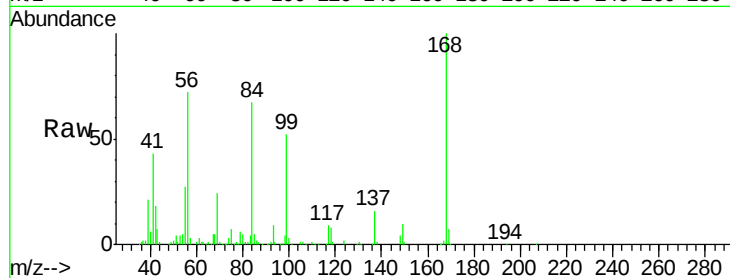
ICVVD012320

Tgt Ion:168 Resp: 515750

Ion Ratio Lower Upper

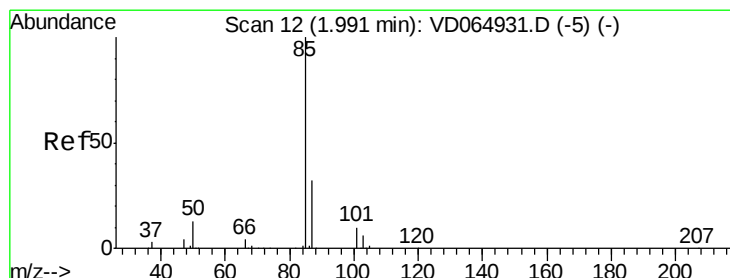
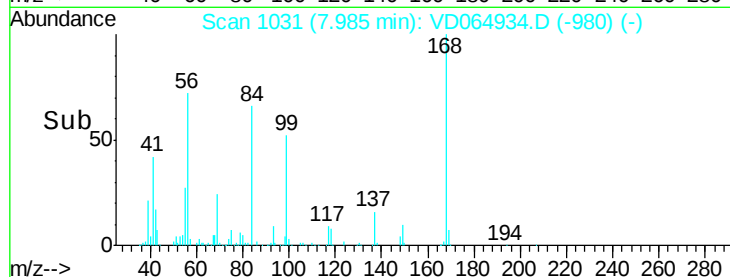
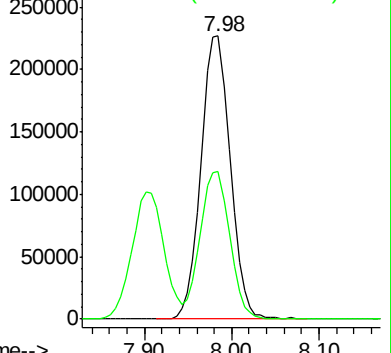
168 100

99 52.0 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.28 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064934.D

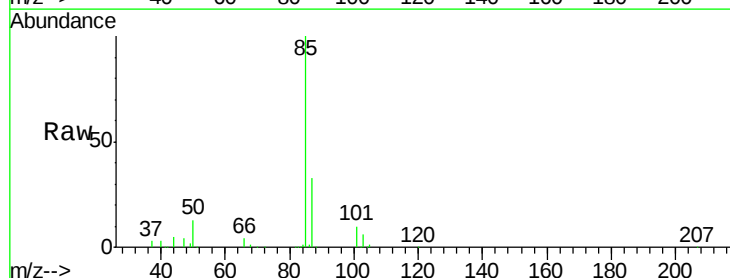
Acq: 23 Jan 2020 13:59

Tgt Ion: 85 Resp: 199245

Ion Ratio Lower Upper

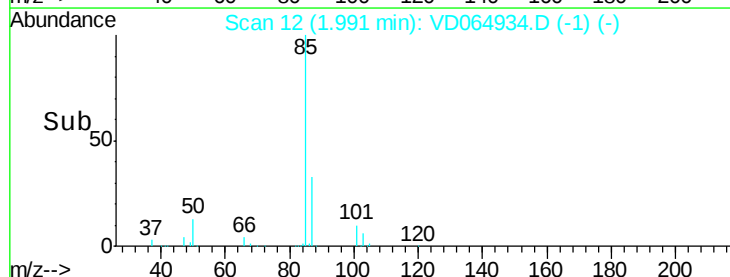
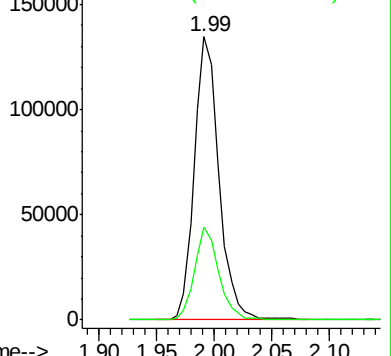
85 100

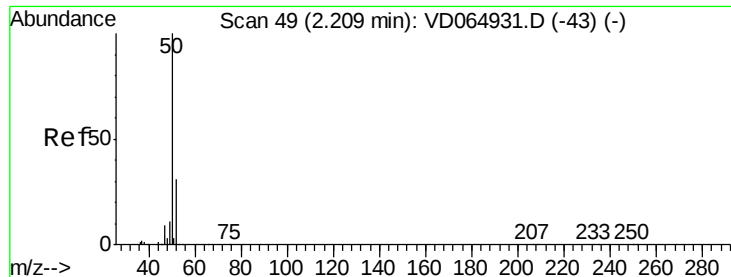
87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

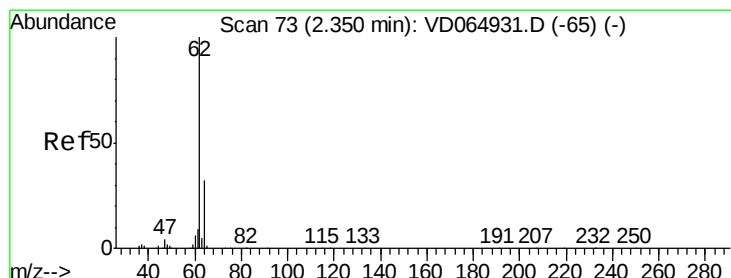
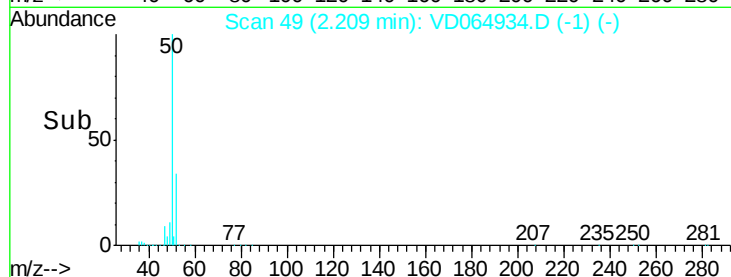
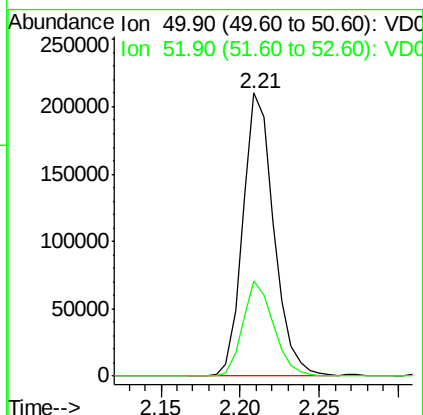
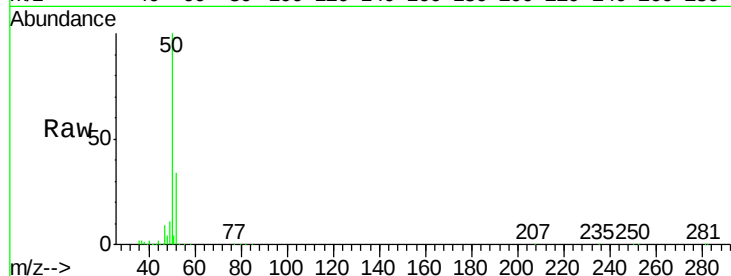




#3
Chloromethane
Concen: 49.99 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

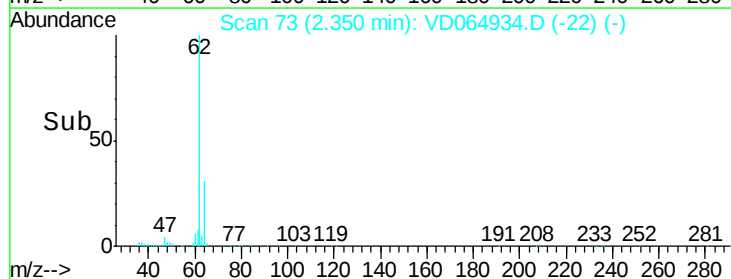
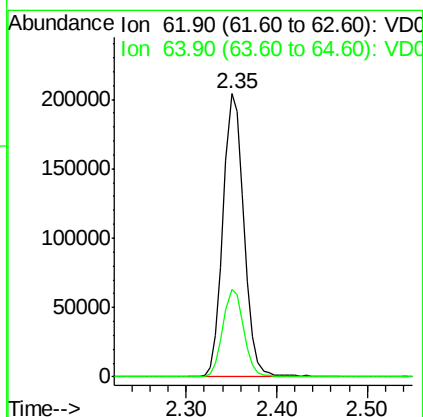
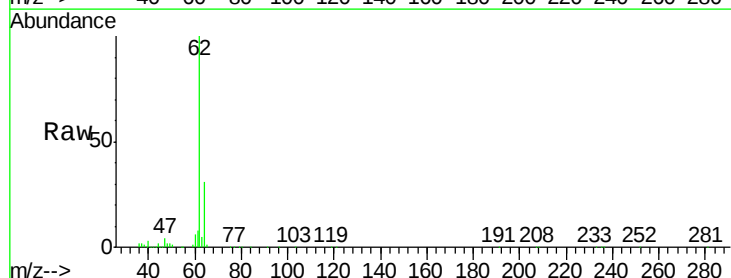
Instrument :
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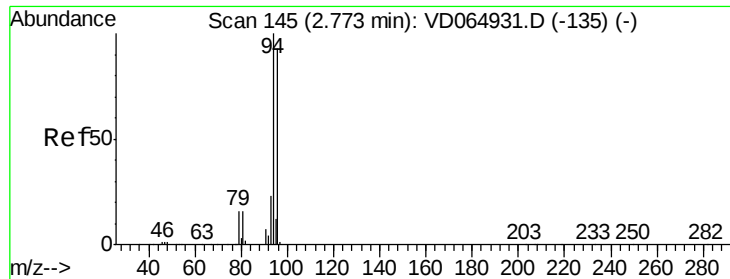
Tgt Ion: 50 Resp: 284679
Ion Ratio Lower Upper
50 100
52 33.8 24.6 36.8



#4
Vinyl Chloride
Concen: 49.92 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 62 Resp: 326495
Ion Ratio Lower Upper
62 100
64 31.1 25.6 38.4





#5

Bromomethane

Concen: 47.56 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

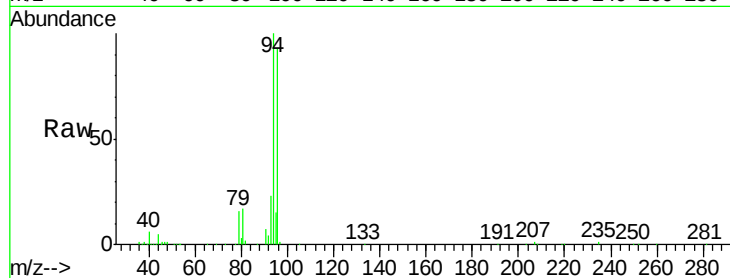
ICVVD012320

Tgt Ion: 94 Resp: 209236

Ion Ratio Lower Upper

94 100

96 92.7 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

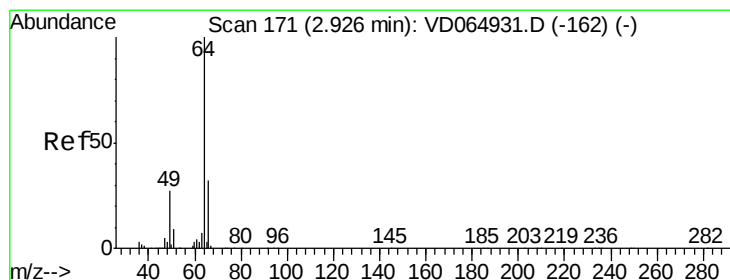
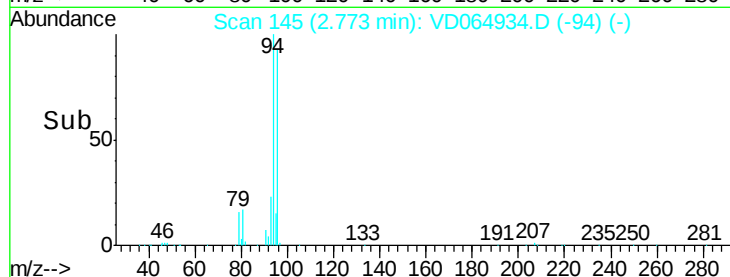
60000

40000

20000

0

Time--> 2.60 2.70 2.80 2.90



#6

Chloroethane

Concen: 47.65 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064934.D

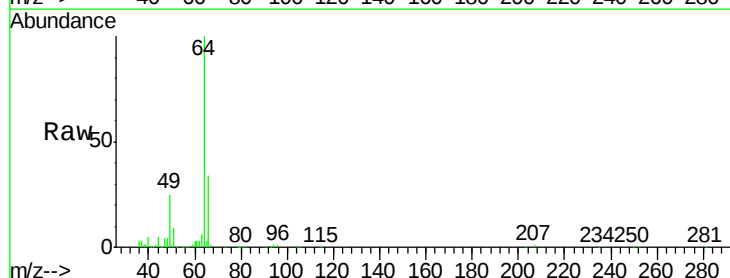
Acq: 23 Jan 2020 13:59

Tgt Ion: 64 Resp: 205452

Ion Ratio Lower Upper

64 100

66 34.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

100000

80000

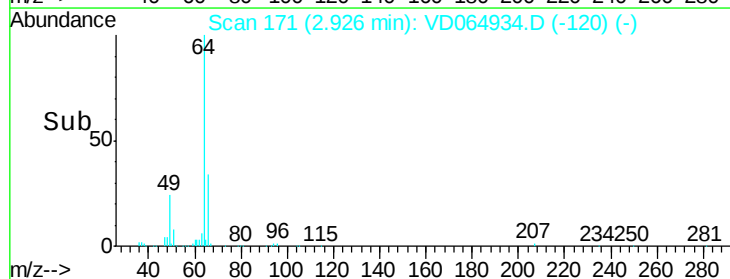
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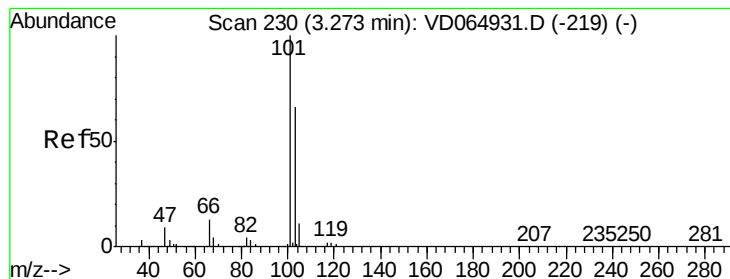
40000

20000

0

Time--> 2.85 2.90 2.95 3.00





#7

Trichlorofluoromethane

Concen: 49.08 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

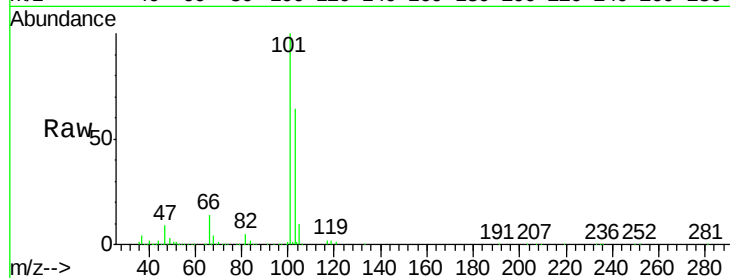
ICVVD012320

Tgt Ion:101 Resp: 495739

Ion Ratio Lower Upper

101 100

103 63.8 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

250000

200000

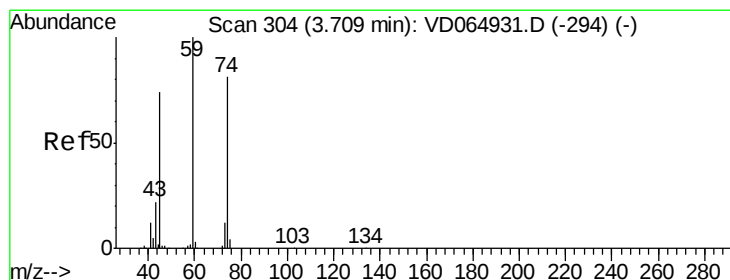
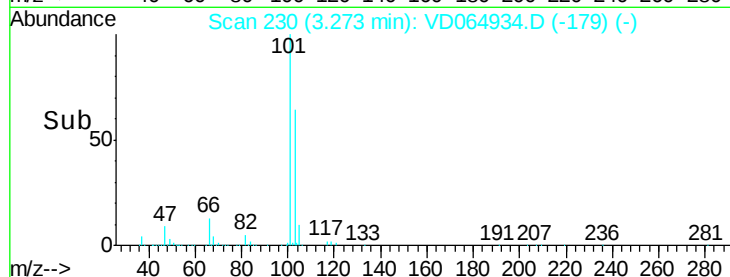
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 44.39 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD064934.D

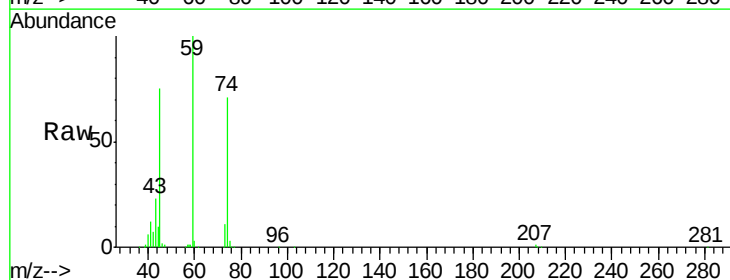
Acq: 23 Jan 2020 13:59

Tgt Ion: 74 Resp: 101233

Ion Ratio Lower Upper

74 100

45 104.8 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

50000

40000

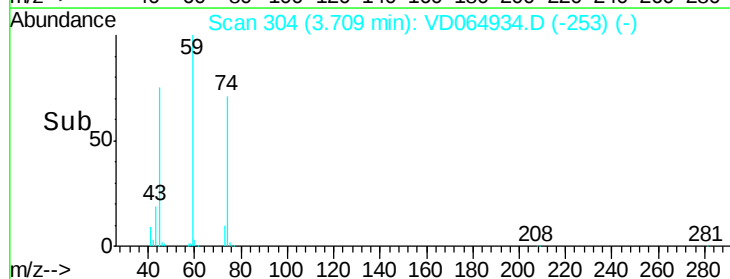
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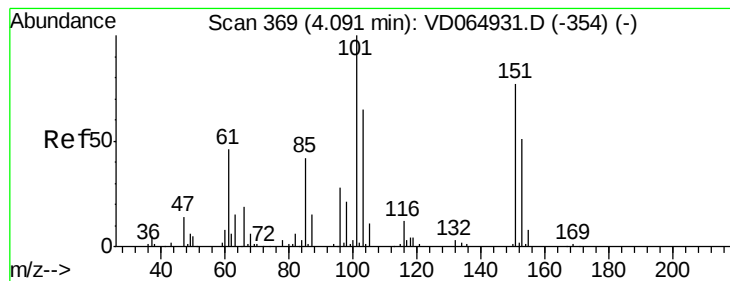
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.65 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

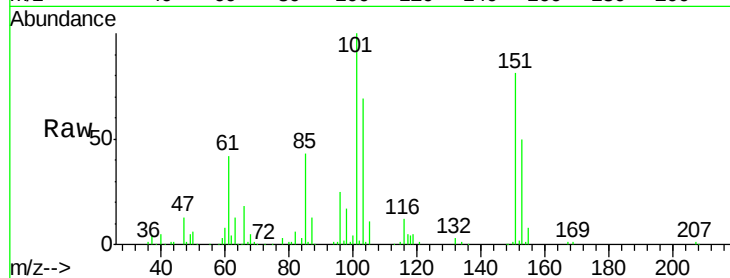
Tgt Ion:101 Resp: 233316

Ion Ratio Lower Upper

101 100

85 44.9 35.0 52.4

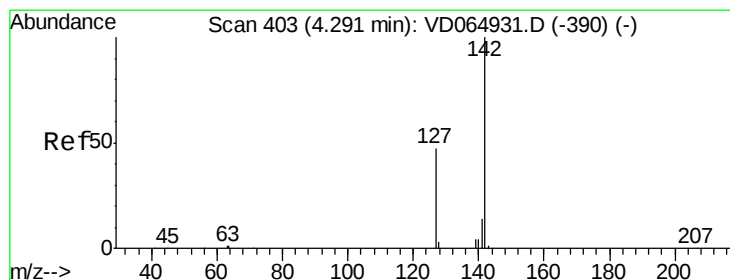
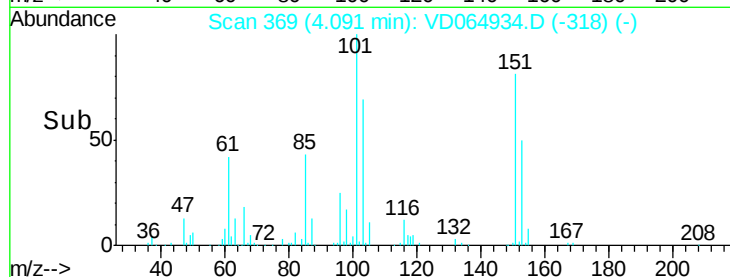
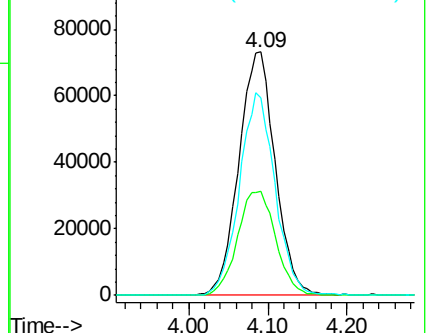
151 81.4 64.6 96.8



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: 48.16 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

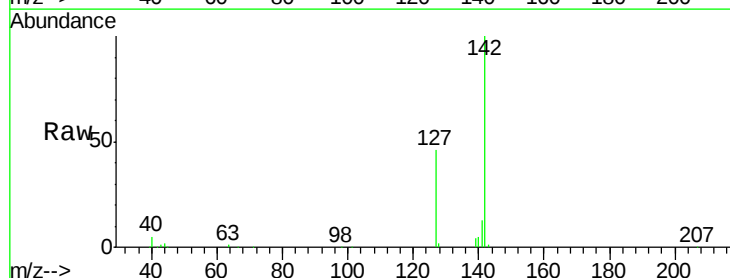
Tgt Ion:142 Resp: 240239

Ion Ratio Lower Upper

142 100

127 45.1 36.2 54.2

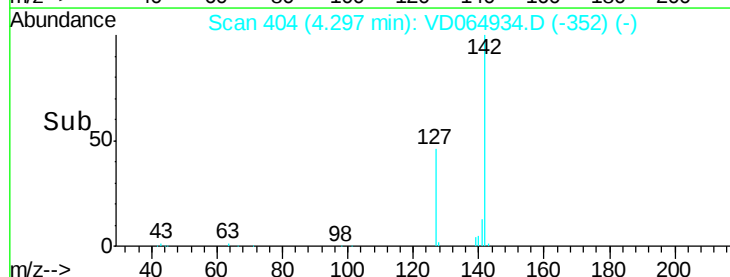
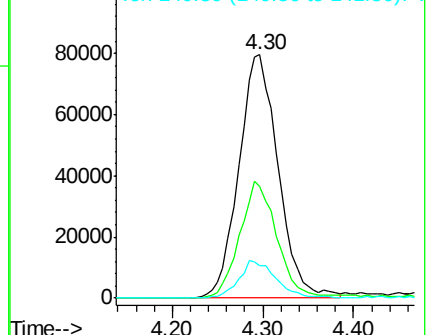
141 14.6 11.6 17.4

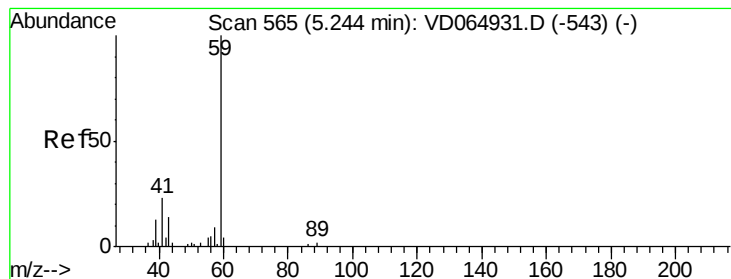


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 246.21 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

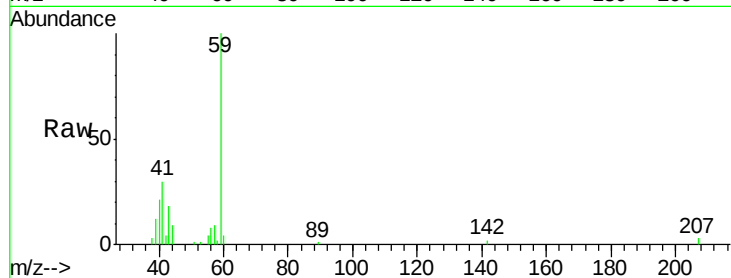
ICVVD012320

Tgt Ion: 59 Resp: 67311

Ion Ratio Lower Upper

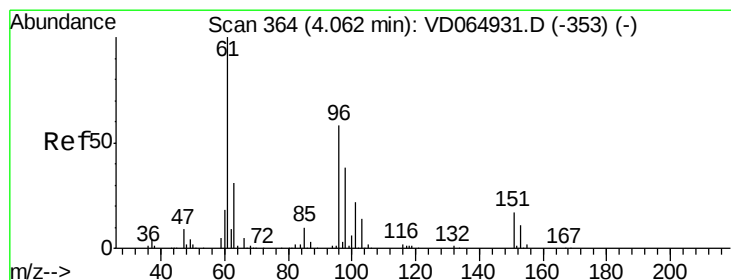
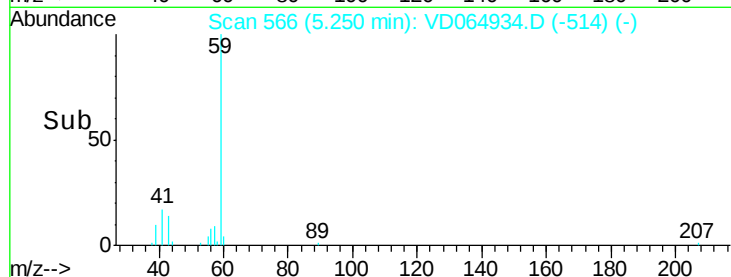
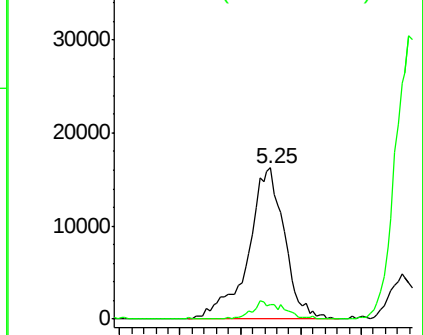
59 100

57 10.0 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: 49.20 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

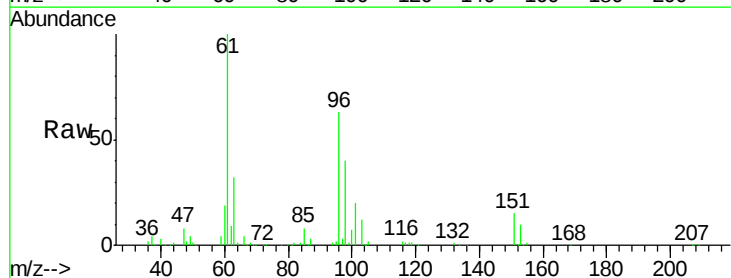
Tgt Ion: 96 Resp: 220893

Ion Ratio Lower Upper

96 100

61 159.2 137.0 205.4

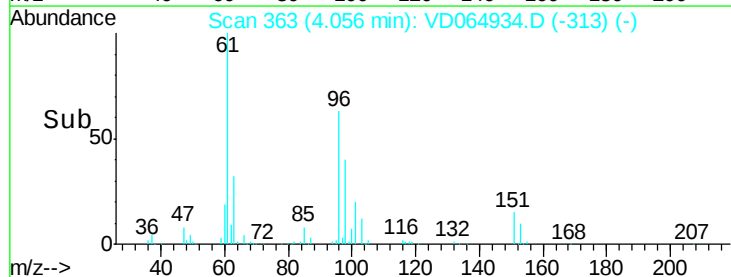
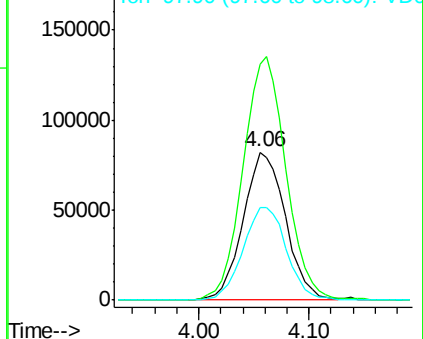
98 63.0 52.1 78.1

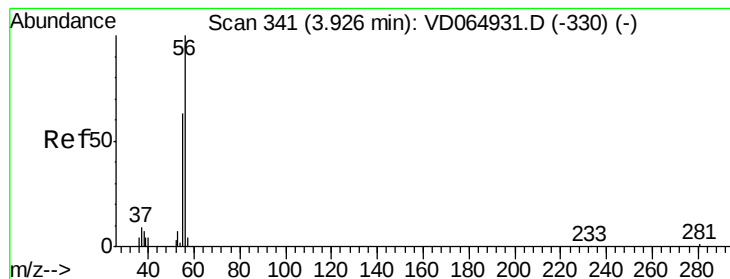


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 222.28 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

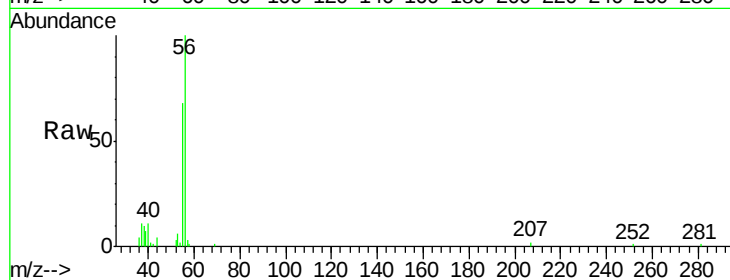
ICVVD012320

Tgt Ion: 56 Resp: 76180

Ion Ratio Lower Upper

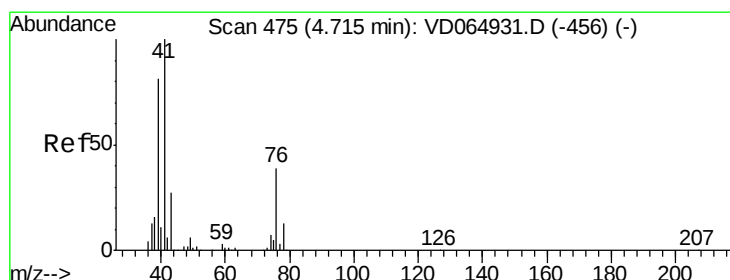
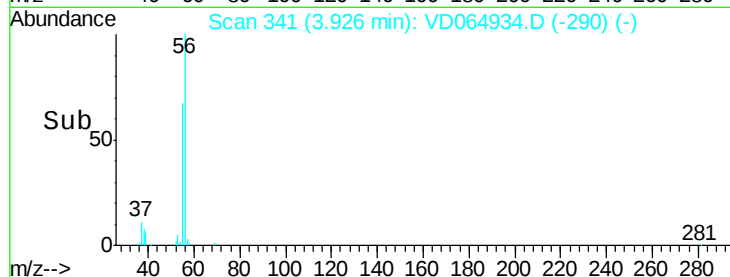
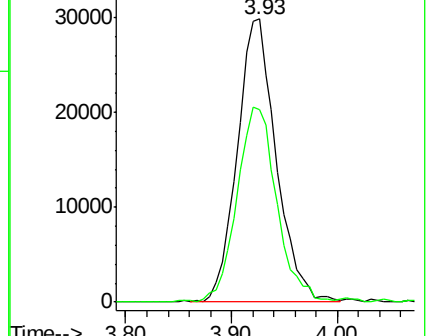
56 100

55 70.4 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.24 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

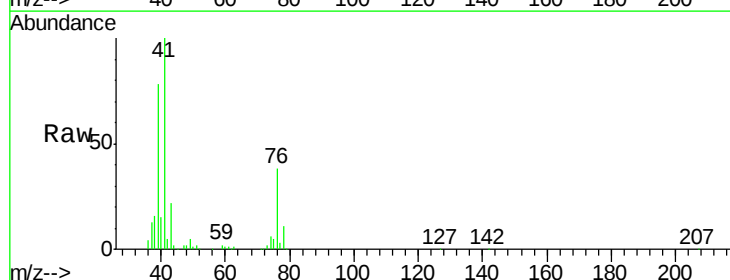
Tgt Ion: 41 Resp: 359761

Ion Ratio Lower Upper

41 100

39 76.0 62.0 93.0

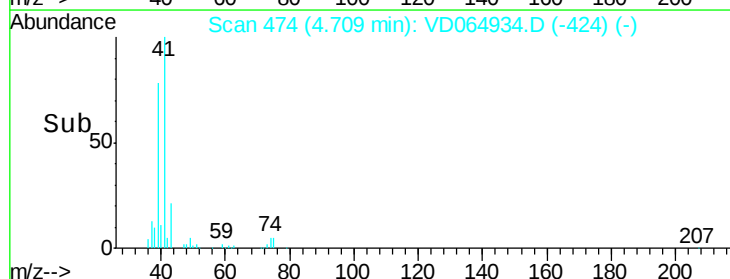
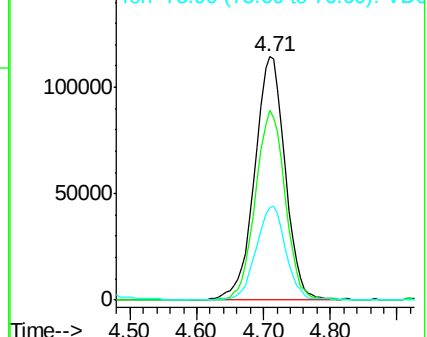
76 36.9 29.3 43.9

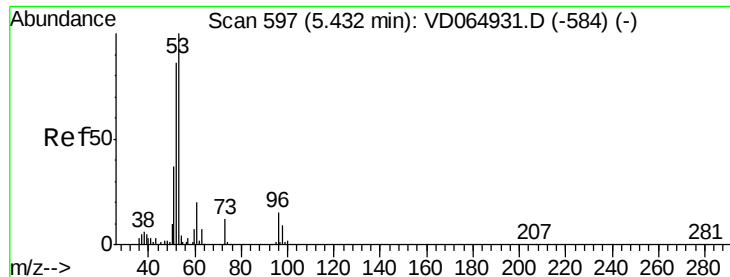


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 233.09 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

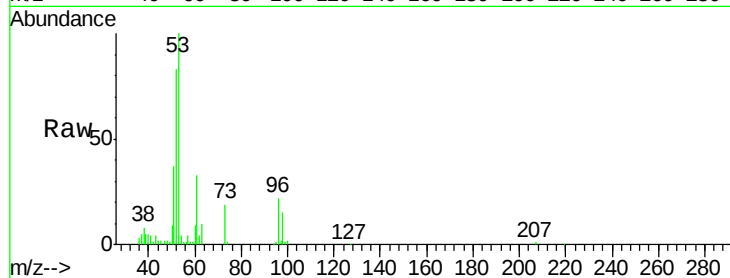
Tgt Ion: 53 Resp: 230173

Ion Ratio Lower Upper

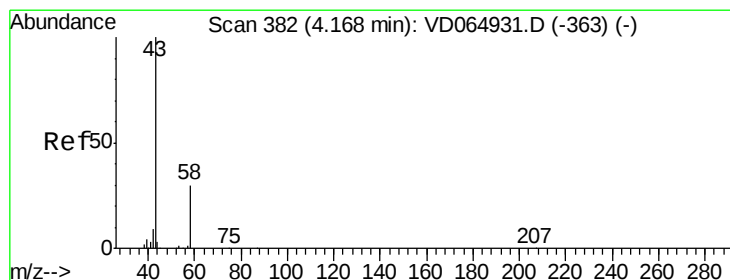
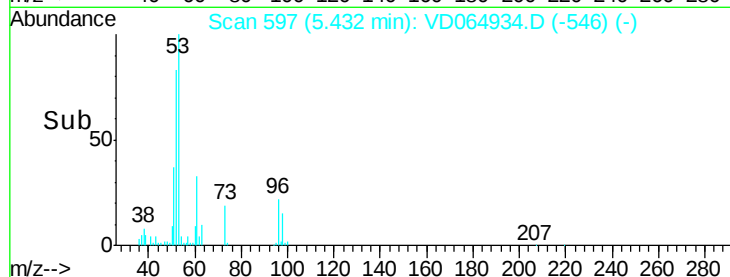
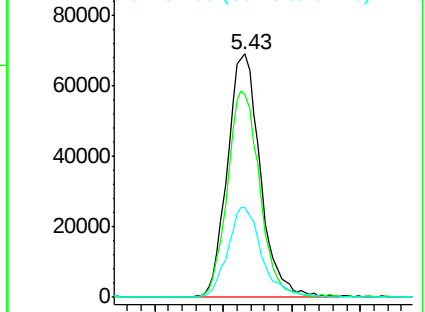
53 100

52 82.7 66.7 100.1

51 38.2 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: 217.09 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064934.D

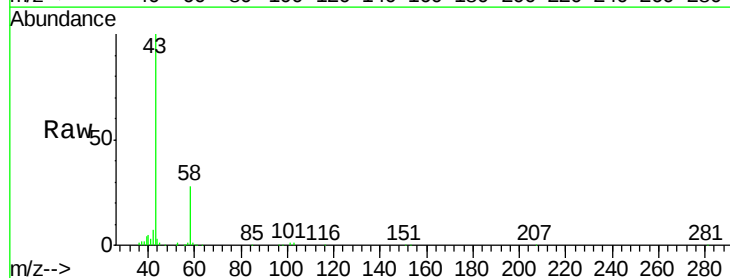
Acq: 23 Jan 2020 13:59

Tgt Ion: 43 Resp: 258208

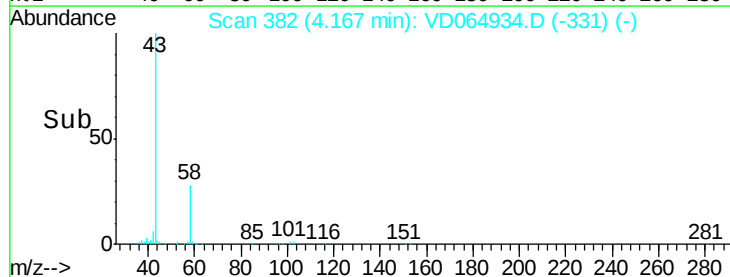
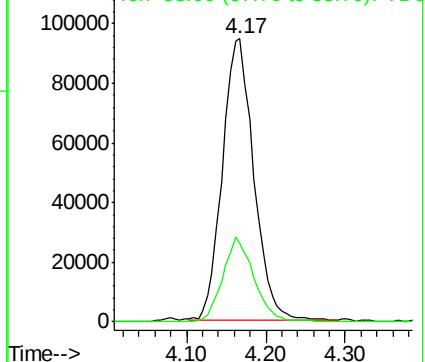
Ion Ratio Lower Upper

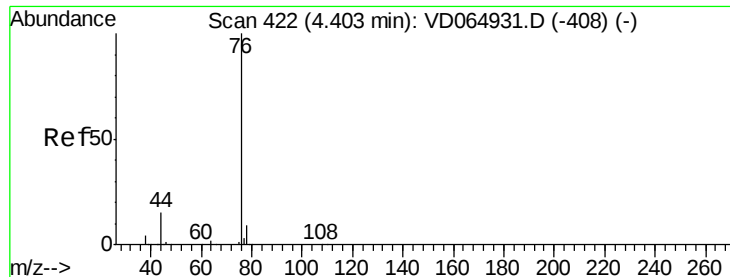
43 100

58 27.8 23.8 35.8



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

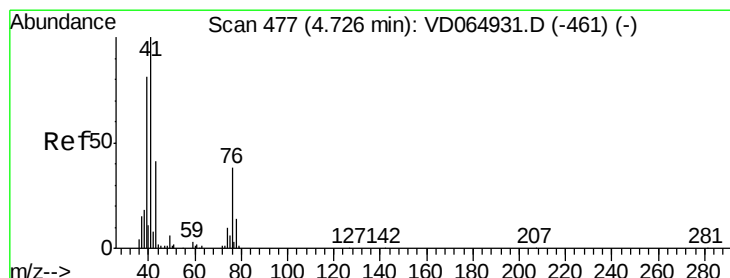
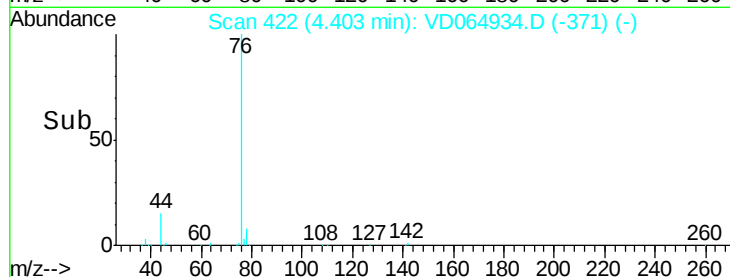
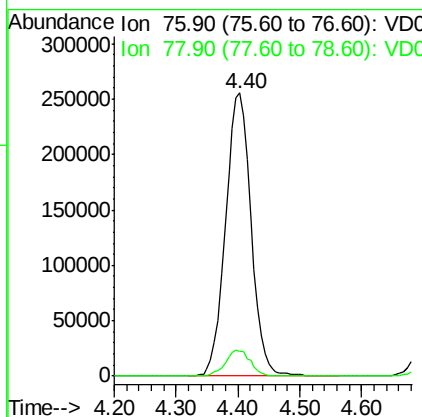
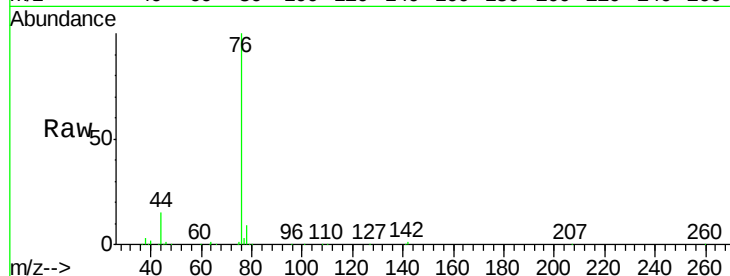




#17
Carbon Disulfide
Concen: 49.63 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

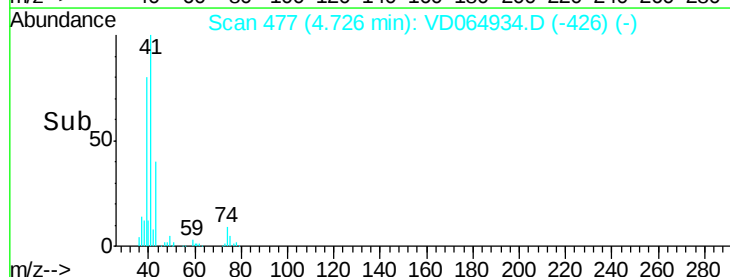
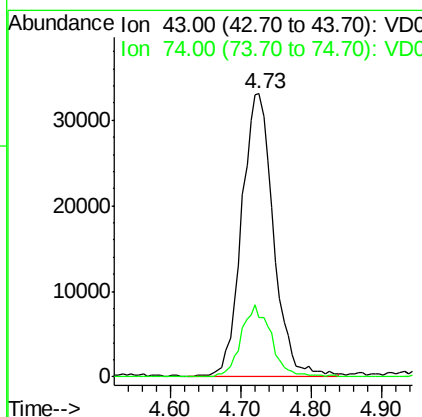
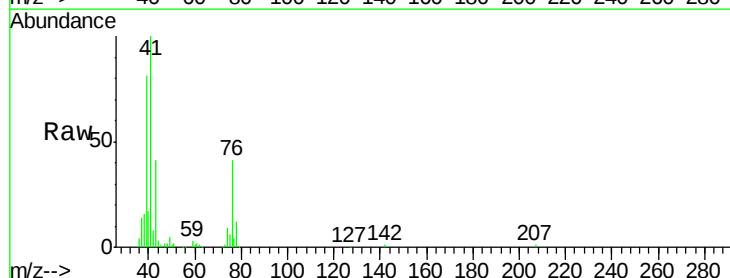
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

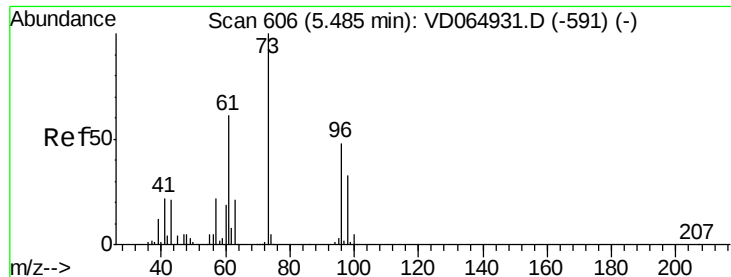
Tgt Ion: 76 Resp: 733367
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 44.95 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 43 Resp: 104138
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7

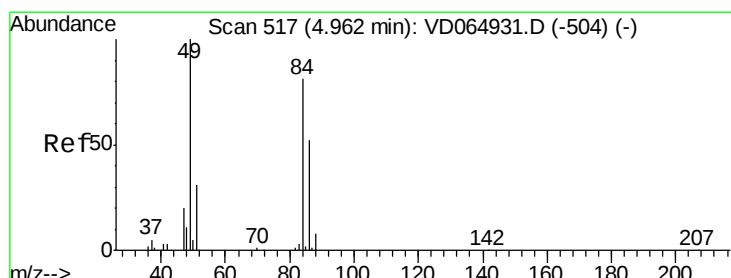
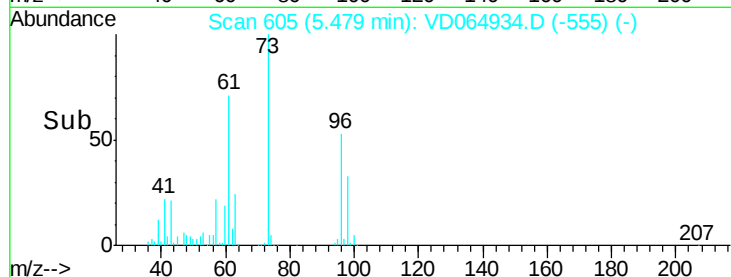
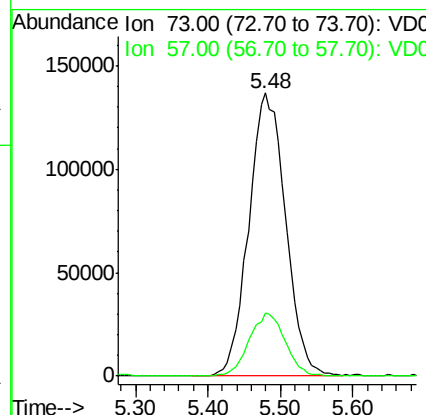
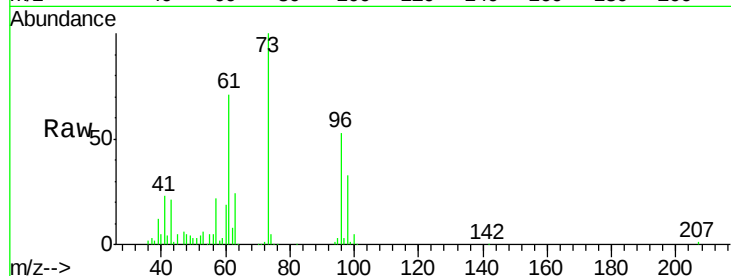




#19
Methyl tert-butyl Ether
Concen: 48.15 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

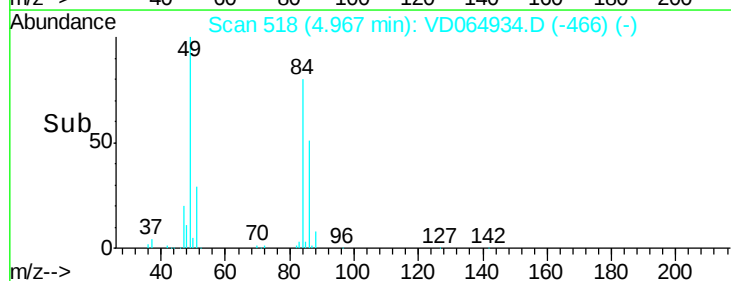
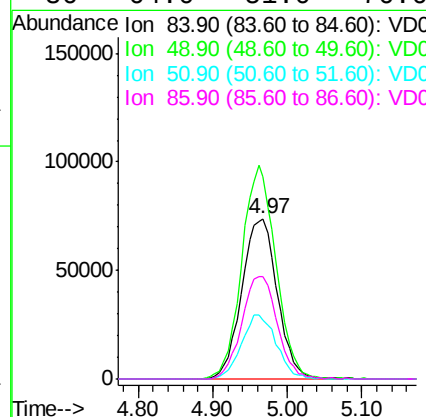
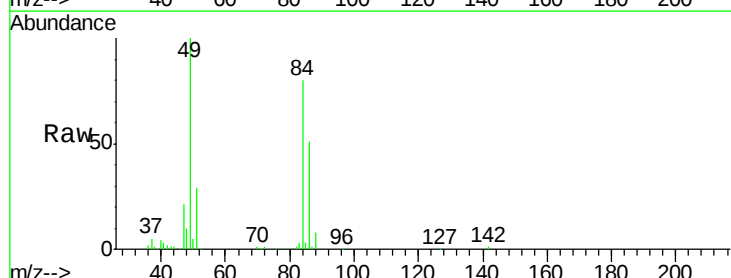
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

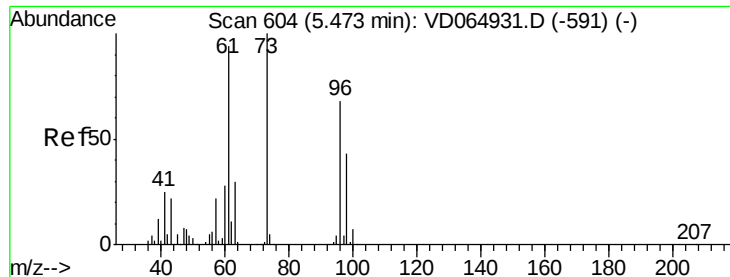
Tgt Ion: 73 Resp: 483021
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 50.80 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 84 Resp: 243881
Ion Ratio Lower Upper
84 100
49 125.7 98.4 147.6
51 36.8 30.8 46.2
86 64.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.45 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

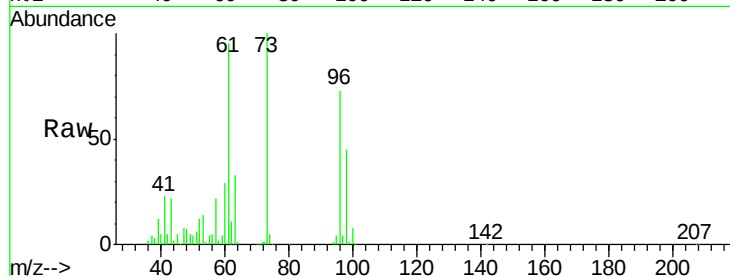
Tgt Ion: 96 Resp: 255775

Ion Ratio Lower Upper

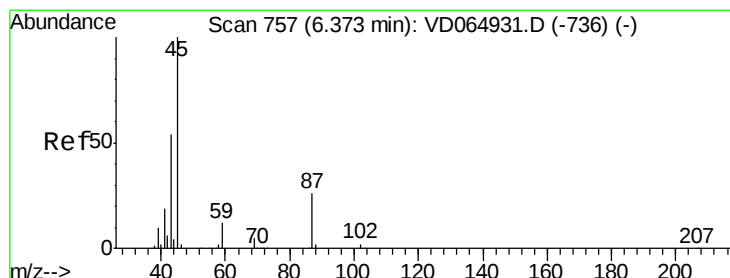
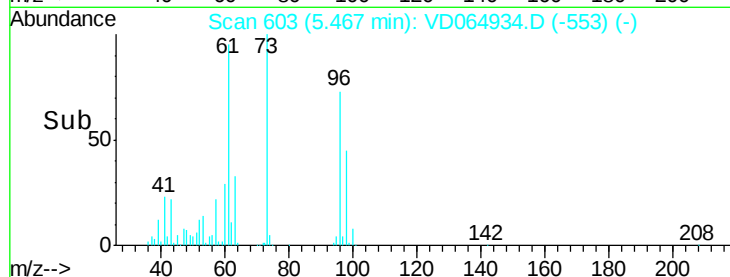
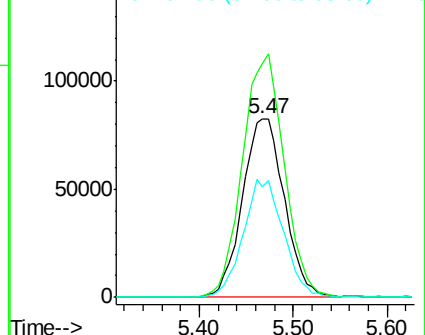
96 100

61 130.1 110.4 165.6

98 61.8 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: 49.35 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Tgt Ion: 45 Resp: 704187

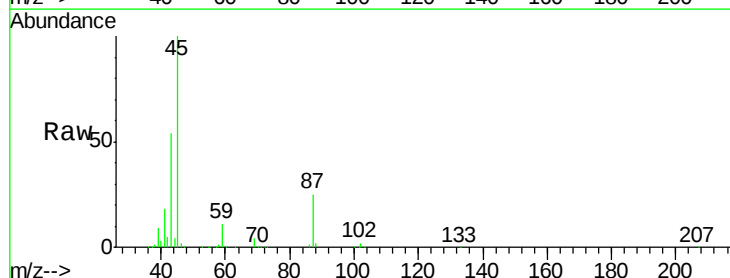
Ion Ratio Lower Upper

45 100

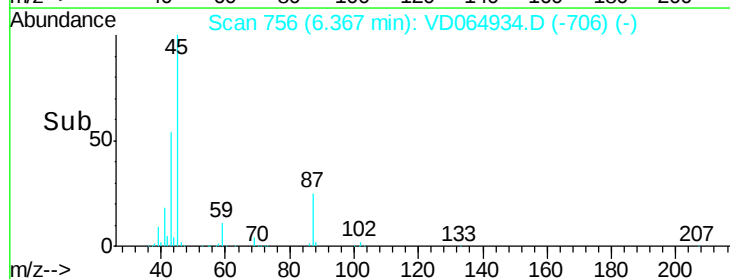
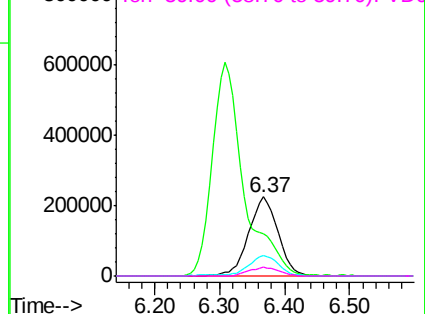
43 53.2 43.1 64.7

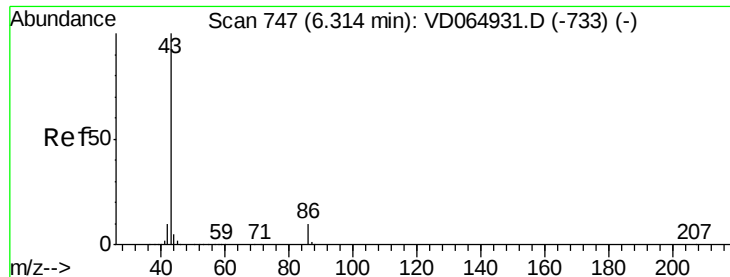
87 25.3 21.4 32.2

59 10.6 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: 245.51 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

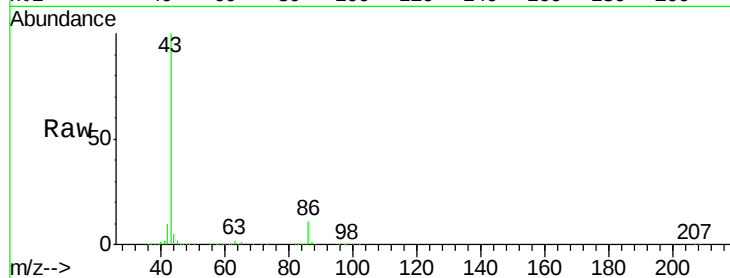
ICVVD012320

Tgt Ion: 43 Resp: 2051211

Ion Ratio Lower Upper

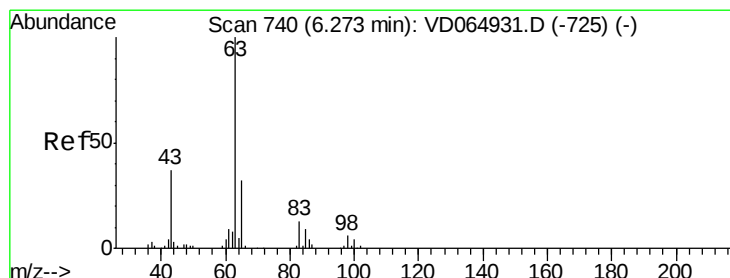
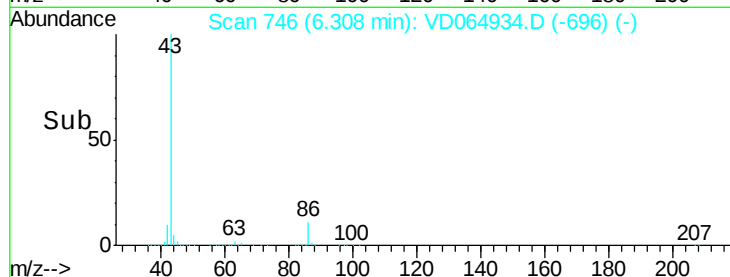
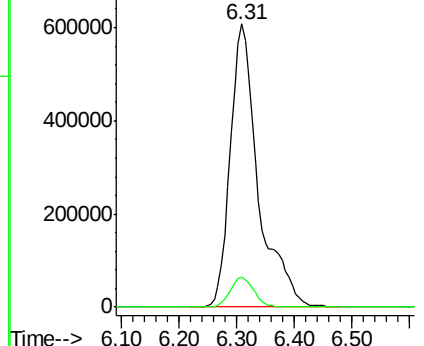
43 100

86 10.6 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: 48.63 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

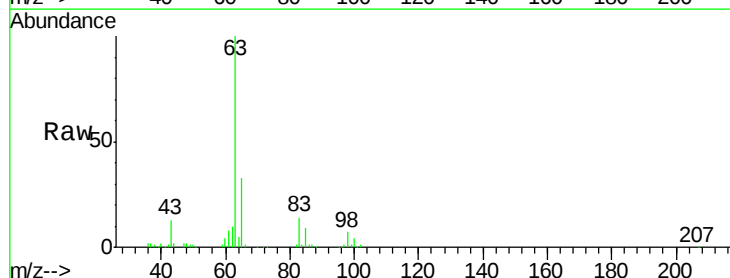
Tgt Ion: 63 Resp: 426090

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

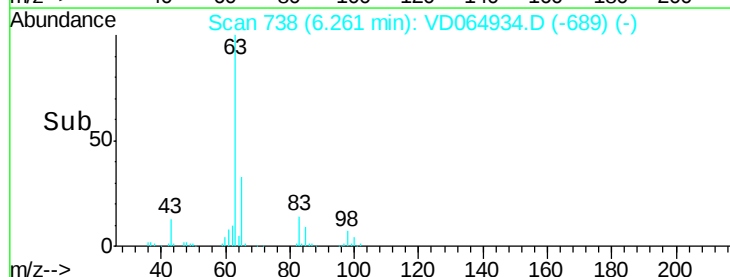
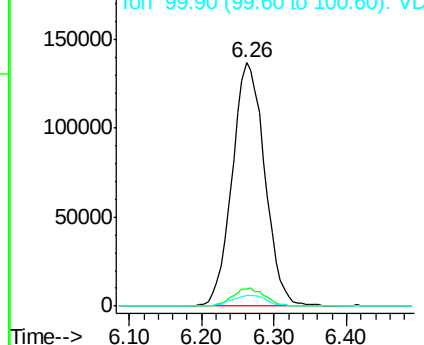
100 4.1 2.3 6.8

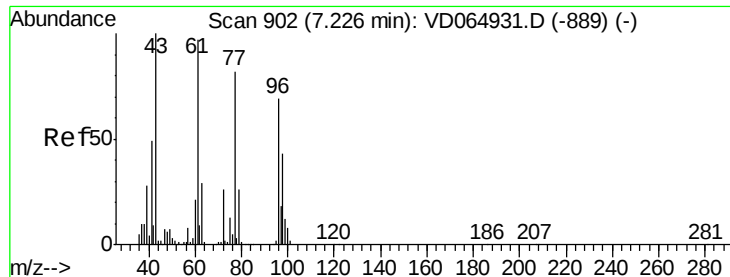


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 231.37 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

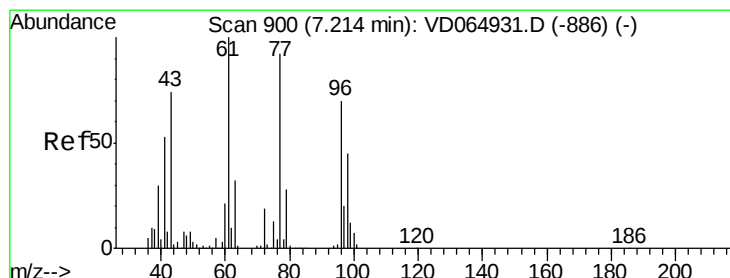
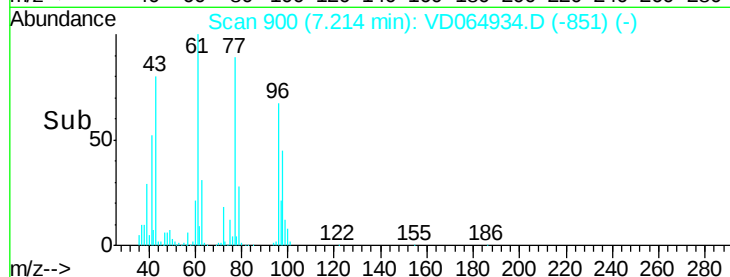
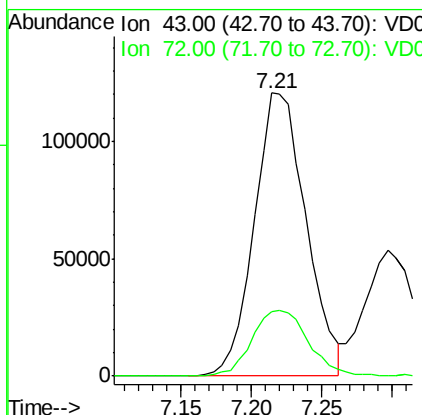
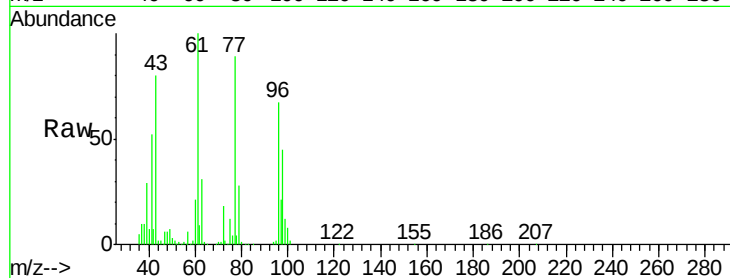
ICVVD012320

Tgt Ion: 43 Resp: 309233

Ion Ratio Lower Upper

43 100

72 22.9 20.6 31.0



#26

2,2-Dichloropropane

Concen: 49.57 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064934.D

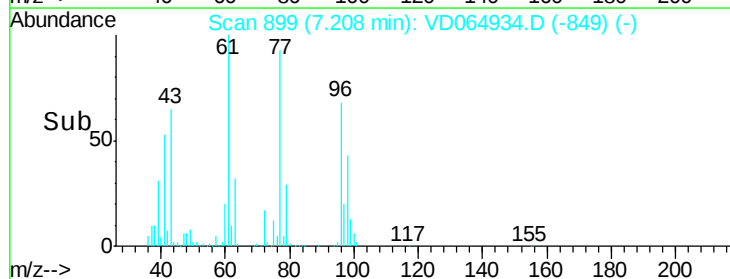
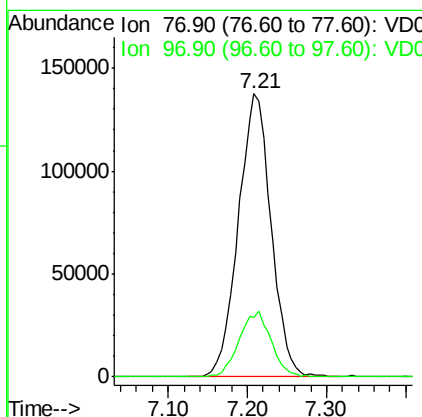
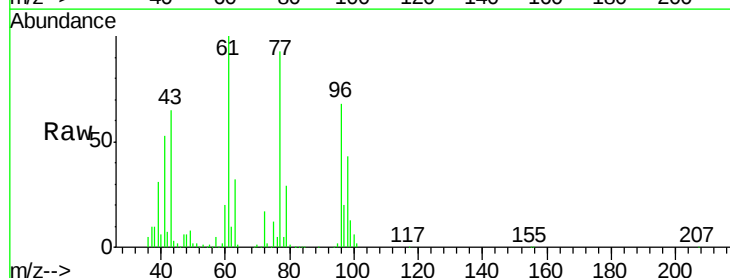
Acq: 23 Jan 2020 13:59

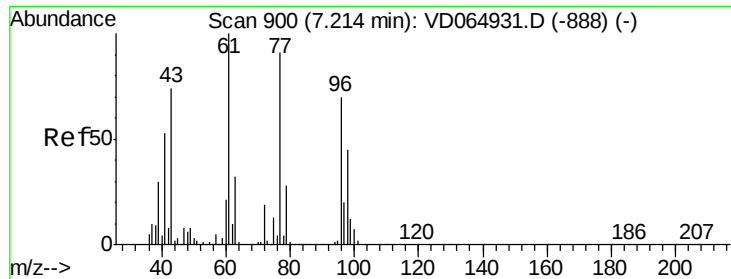
Tgt Ion: 77 Resp: 393921

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 48.62 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

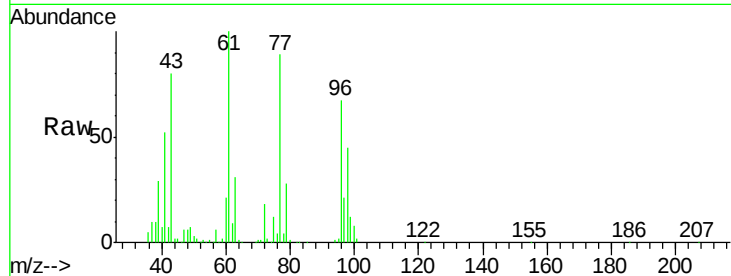
Tgt Ion: 96 Resp: 268428

Ion Ratio Lower Upper

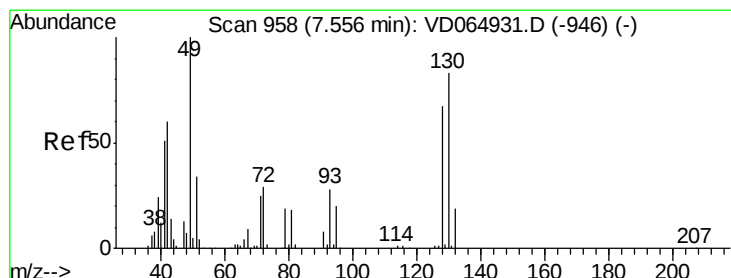
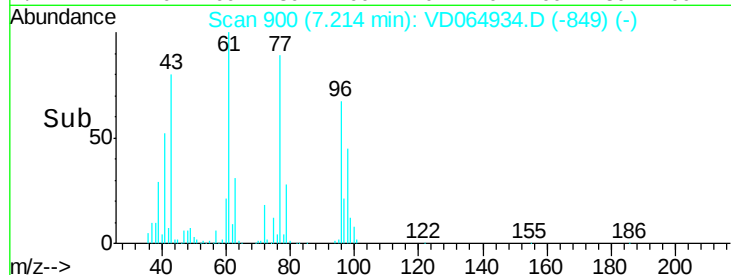
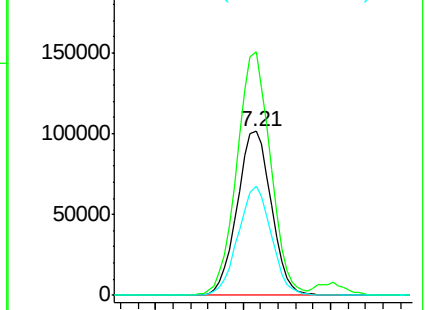
96 100

61 146.2 0.0 292.8

98 64.8 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: 50.08 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

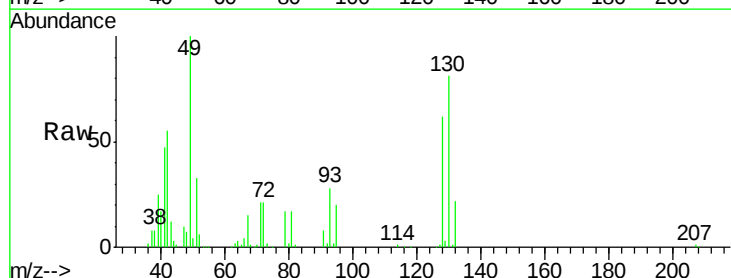
Tgt Ion: 49 Resp: 175468

Ion Ratio Lower Upper

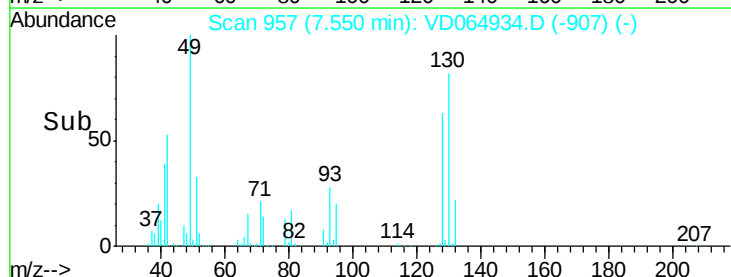
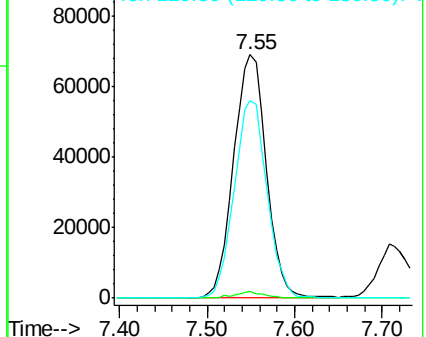
49 100

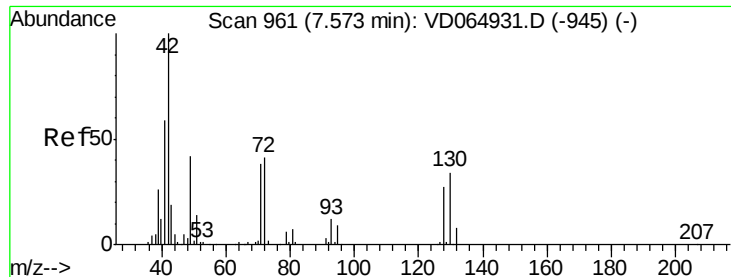
129 2.3 0.0 4.4

130 81.2 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

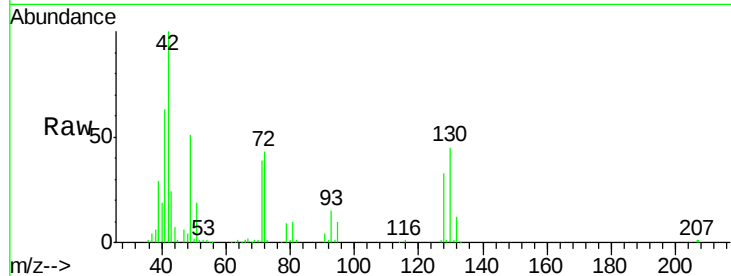




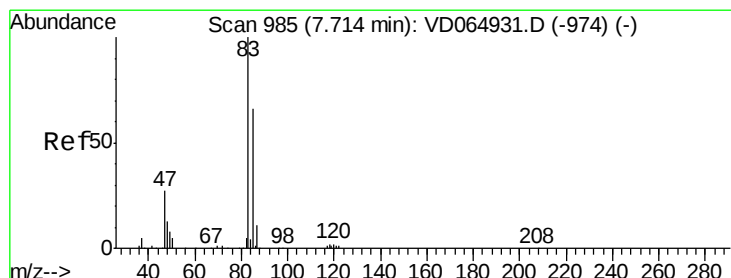
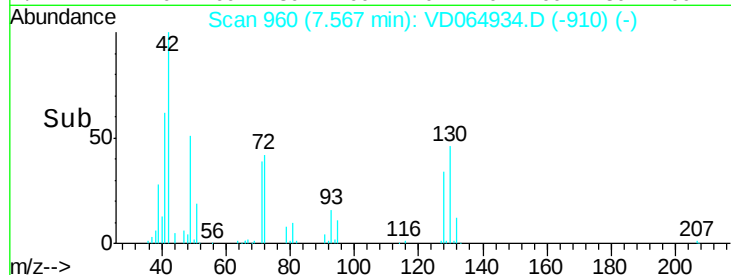
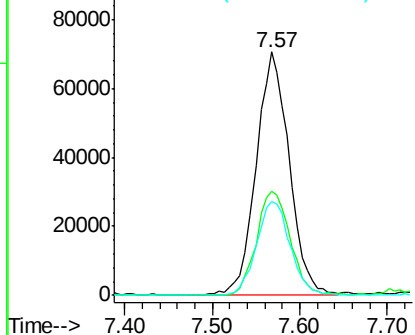
#29
Tetrahydrofuran
Concen: 222.98 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

Tgt Ion: 42 Resp: 183883
Ion Ratio Lower Upper
42 100
72 43.7 34.0 51.0
71 39.5 31.5 47.3

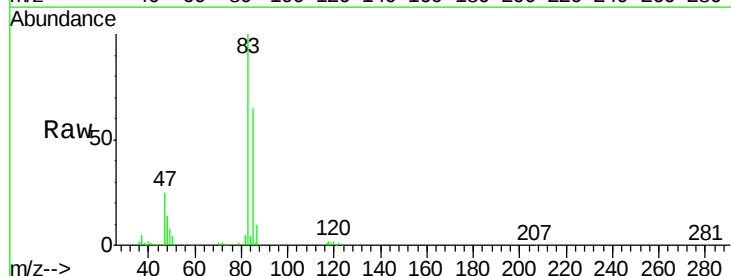


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

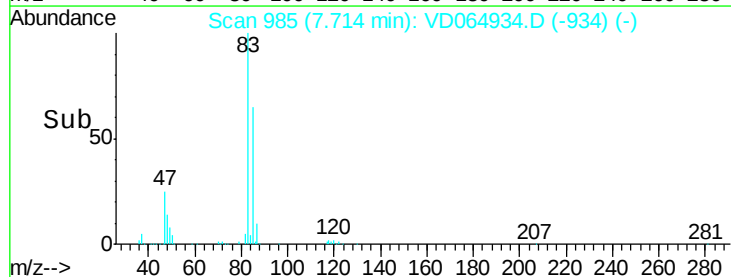
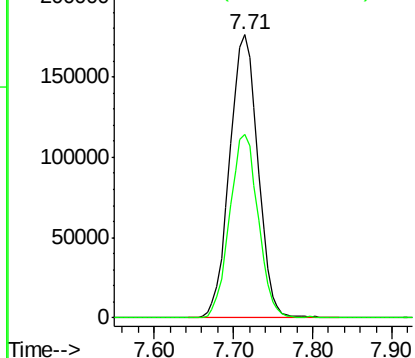


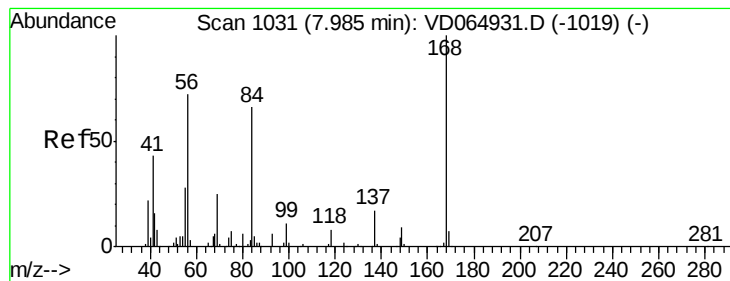
#30
Chloroform
Concen: 48.19 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 83 Resp: 436429
Ion Ratio Lower Upper
83 100
85 64.7 52.4 78.6



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





#31

Cyclohexane

Concen: 47.12 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

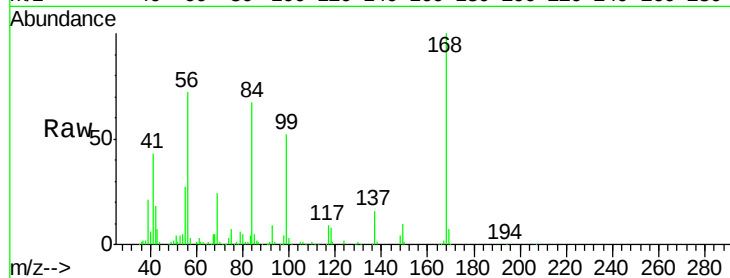
Tgt Ion: 56 Resp: 406146

Ion Ratio Lower Upper

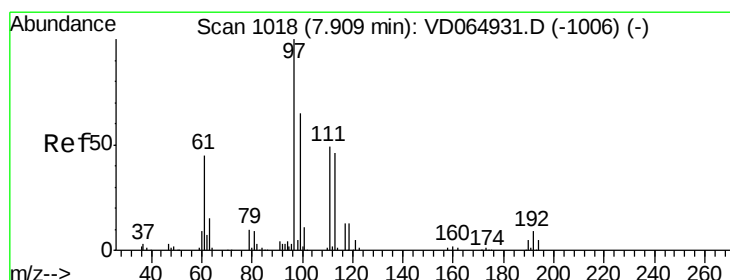
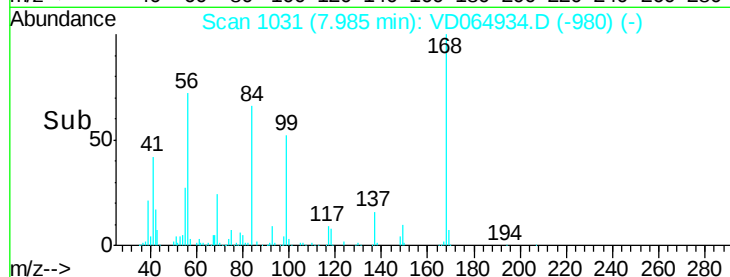
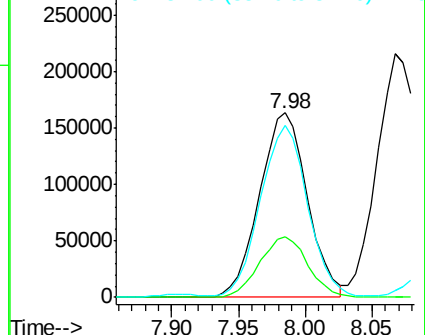
56 100

69 33.0 27.9 41.9

84 91.7 72.8 109.2



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



#32

1,1,1-Trichloroethane

Concen: 49.09 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

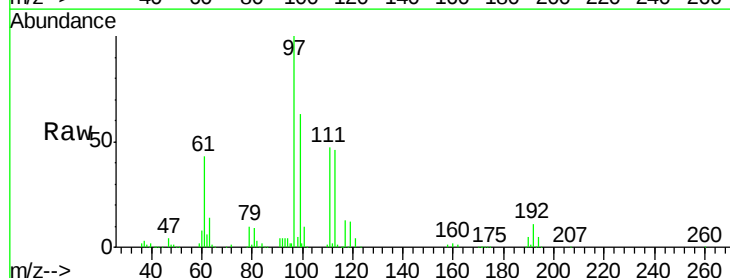
Tgt Ion: 97 Resp: 413652

Ion Ratio Lower Upper

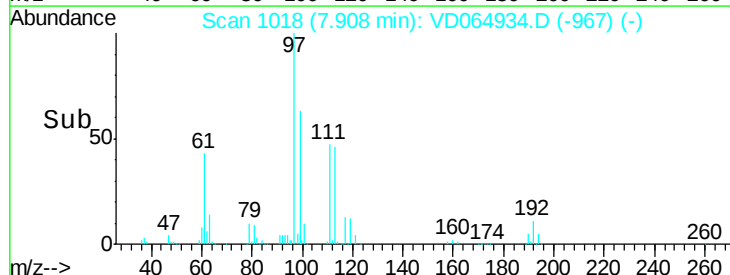
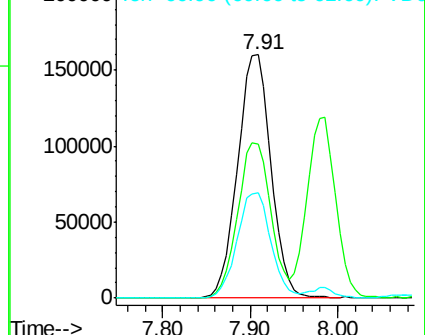
97 100

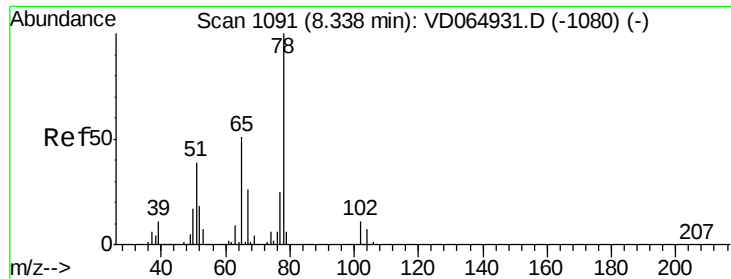
99 63.5 50.6 76.0

61 43.8 35.7 53.5



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

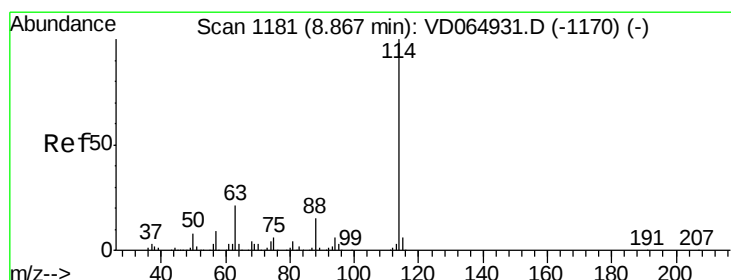
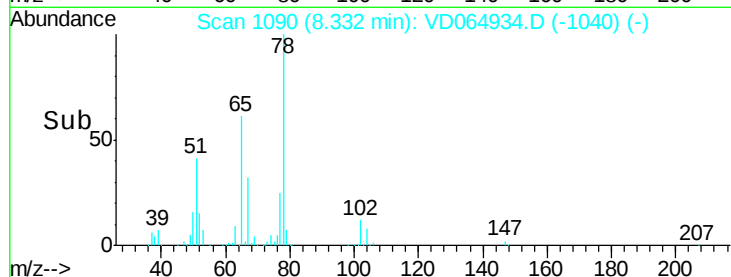
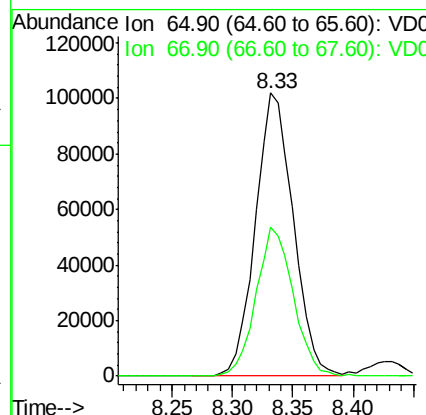
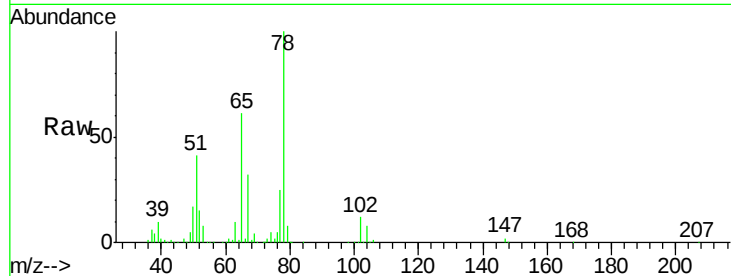




#33
 1,2-Dichloroethane-d4
 Concen: 45.13 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

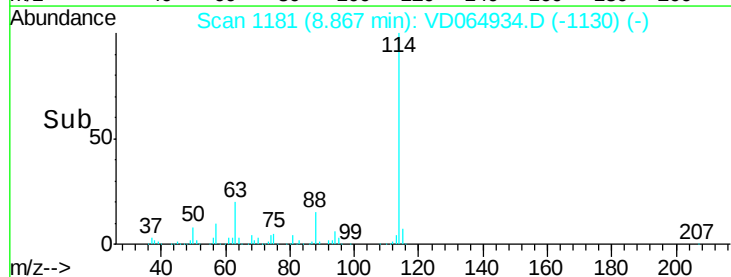
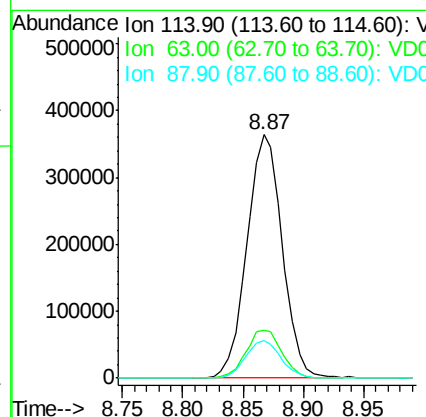
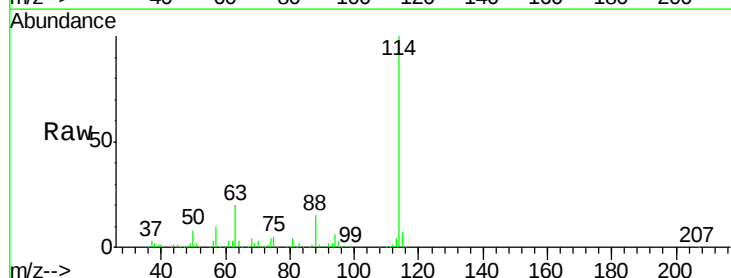
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

Tgt Ion: 65 Resp: 223262
 Ion Ratio Lower Upper
 65 100
 67 51.6 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: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion: 114 Resp: 741728
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.0
 88 15.4 0.0 29.4

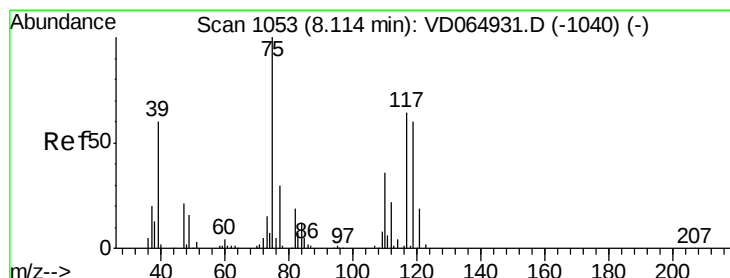
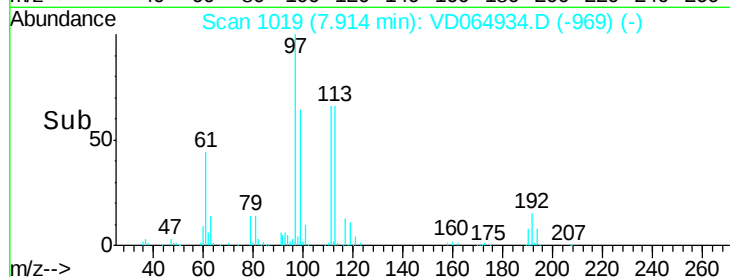
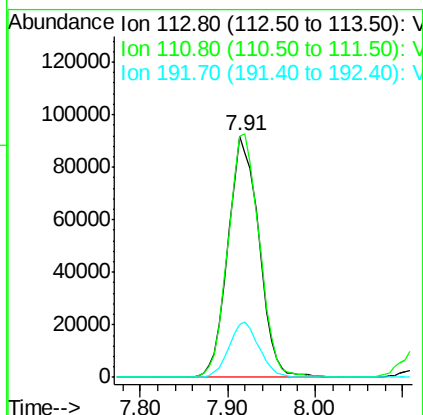
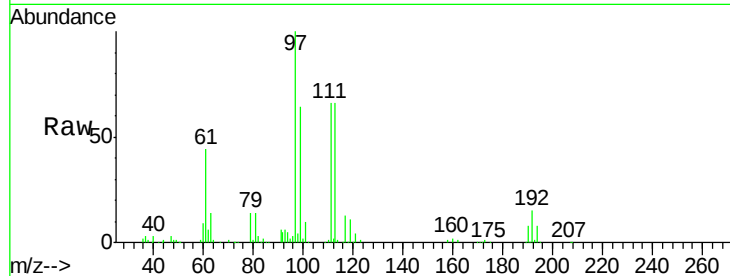




#35
Dibromofluoromethane
Concen: 47.38 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

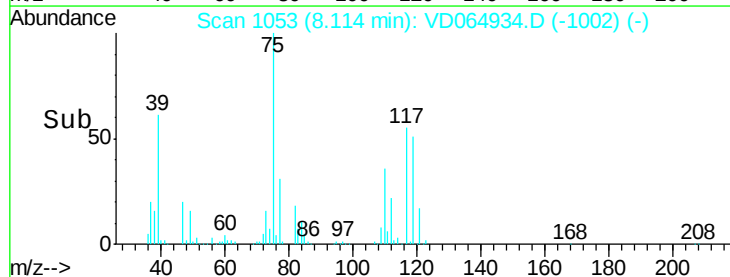
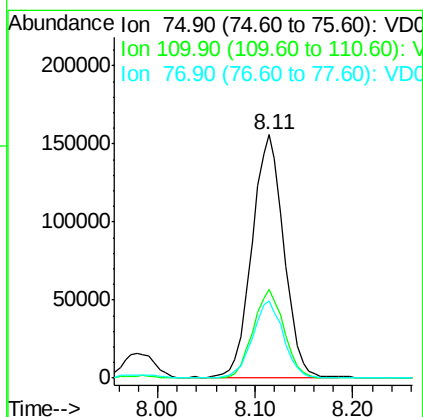
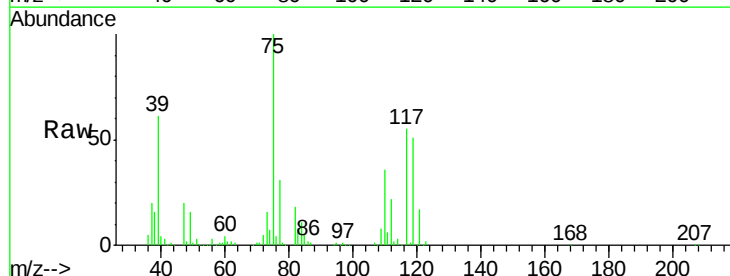
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

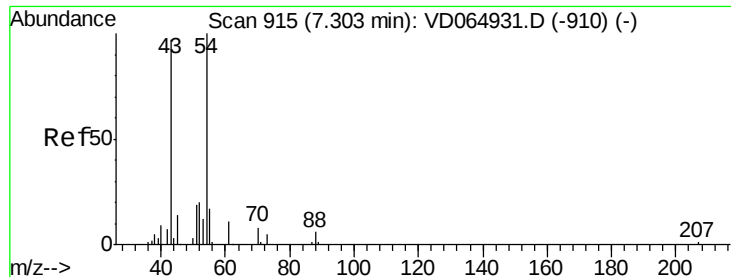
Tgt Ion: 113 Resp: 220855
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 22.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 49.74 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 75 Resp: 355776
Ion Ratio Lower Upper
75 100
110 35.5 17.3 52.0
77 31.1 24.7 37.1

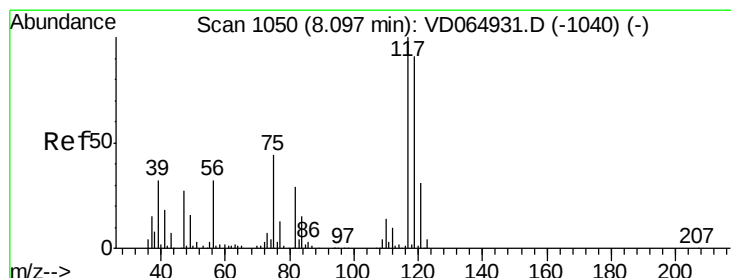
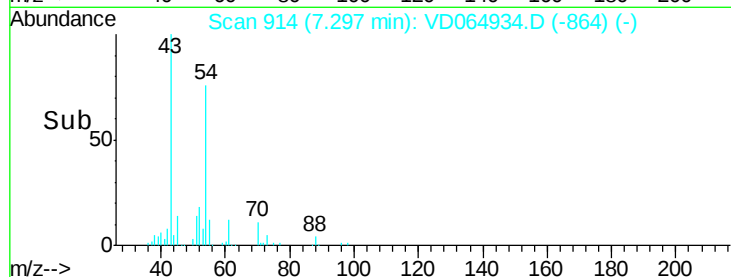
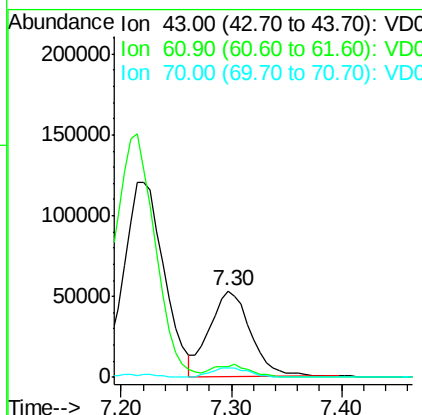
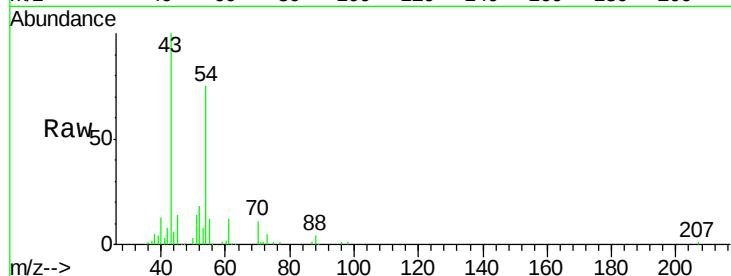




#37
Ethyl Acetate
Concen: 46.62 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

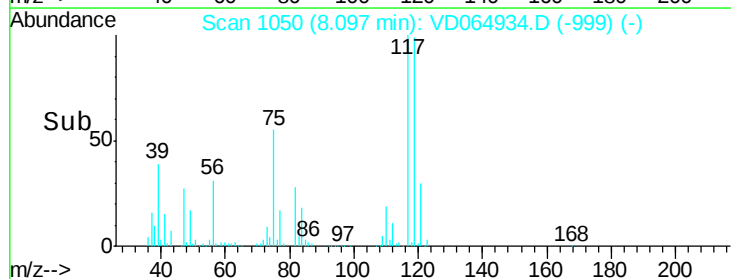
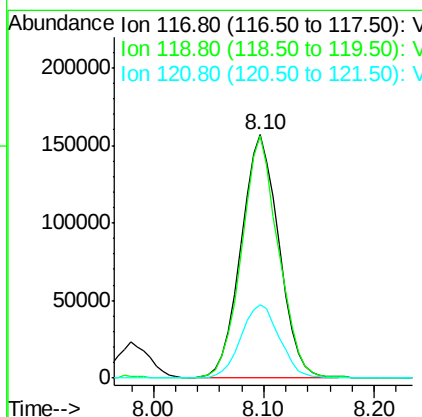
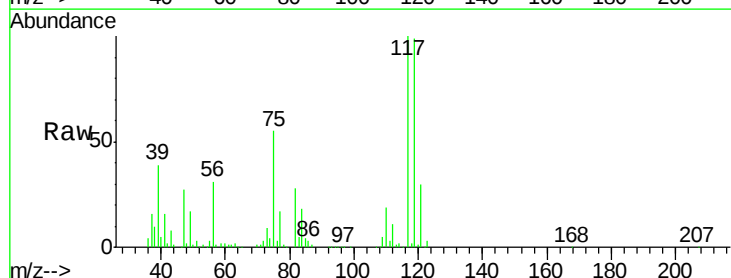
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

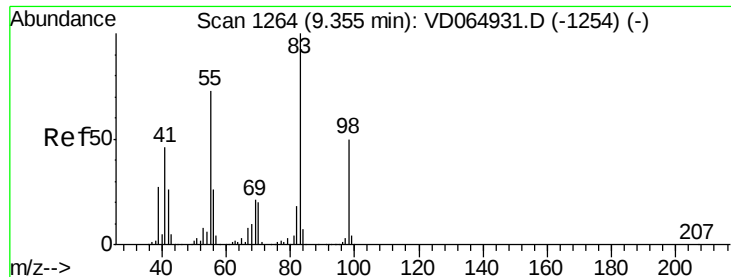
Tgt Ion: 43 Resp: 137717
Ion Ratio Lower Upper
43 100
61 12.8 11.0 16.4
70 10.2 7.5 11.3



#38
Carbon Tetrachloride
Concen: 49.67 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 117 Resp: 375526
Ion Ratio Lower Upper
117 100
119 99.5 73.2 109.8
121 30.1 24.4 36.6

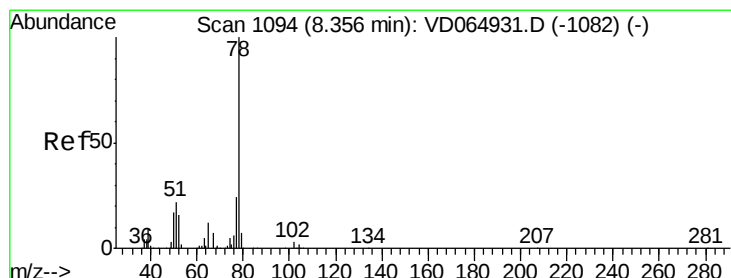
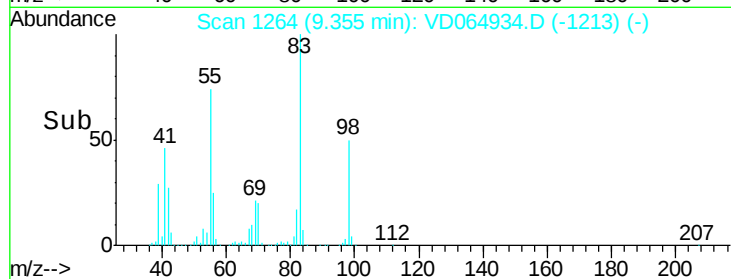
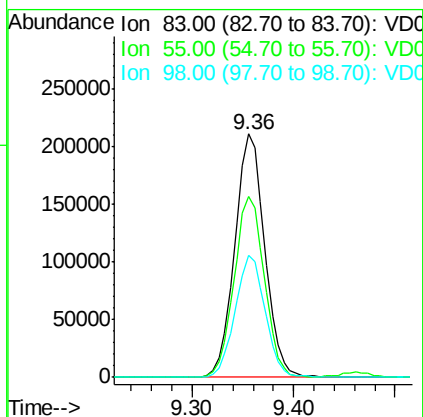
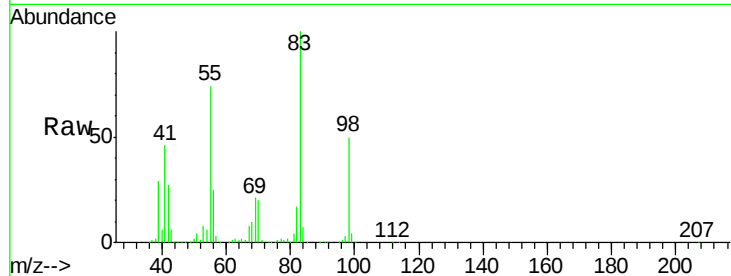




#39
Methylcyclohexane
Concen: 51.78 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

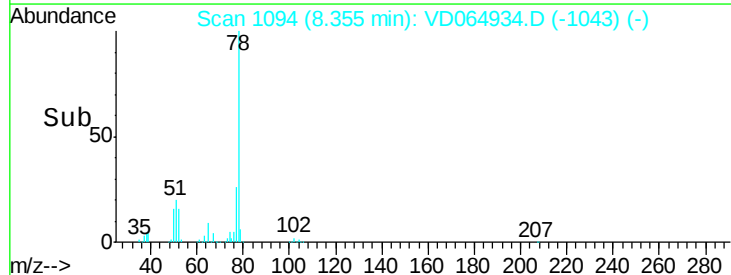
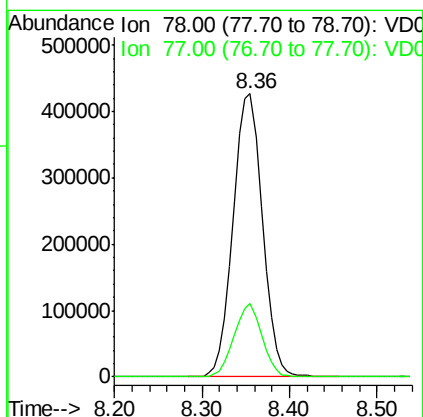
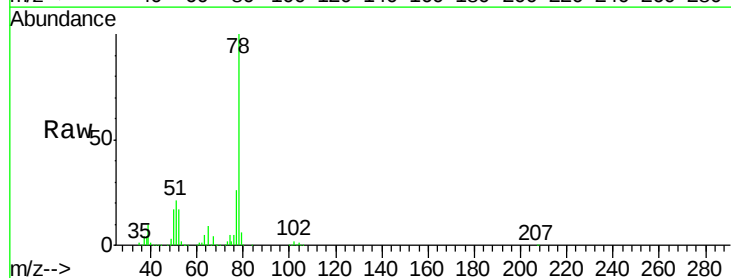
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

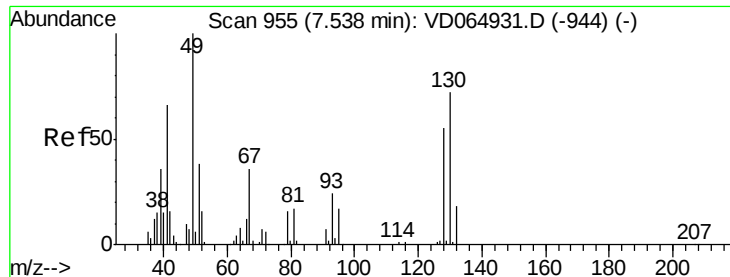
Tgt Ion: 83 Resp: 433008
Ion Ratio Lower Upper
83 100
55 74.1 58.7 88.1
98 50.2 40.2 60.2



#40
Benzene
Concen: 49.29 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 78 Resp: 970998
Ion Ratio Lower Upper
78 100
77 25.8 19.2 28.8





#41

Methacrylonitrile

Concen: 51.20 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

Tgt Ion: 41 Resp: 81477

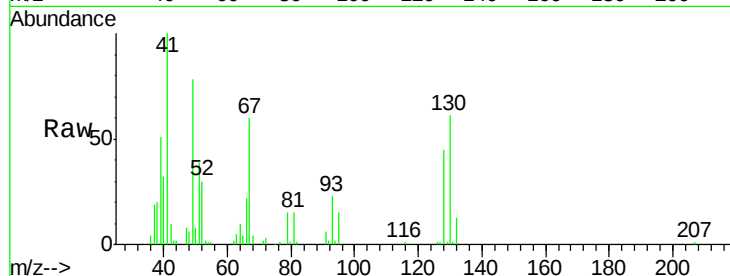
Ion Ratio Lower Upper

41 100

39 46.1 49.3 73.9#

67 68.1 51.0 76.6

52 30.7 22.3 33.5

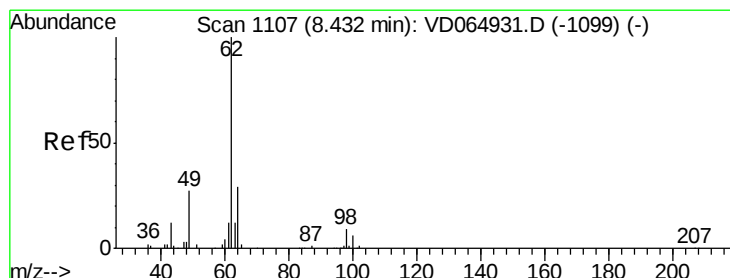
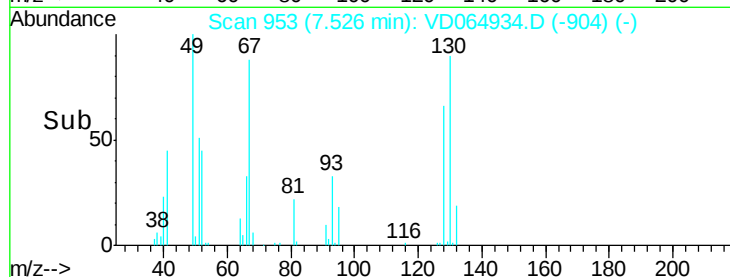
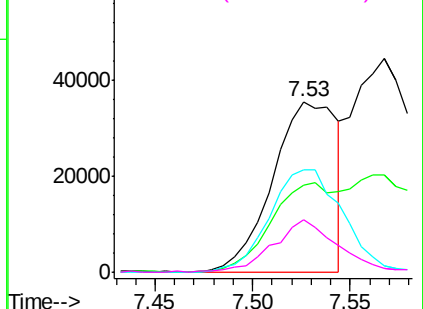


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 47.17 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD064934.D

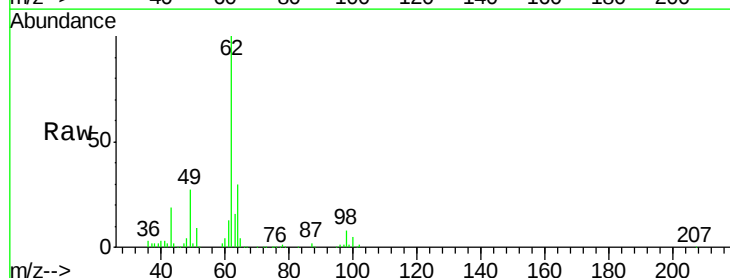
Acq: 23 Jan 2020 13:59

Tgt Ion: 62 Resp: 276774

Ion Ratio Lower Upper

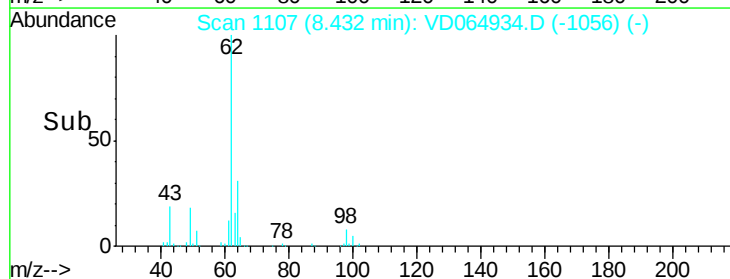
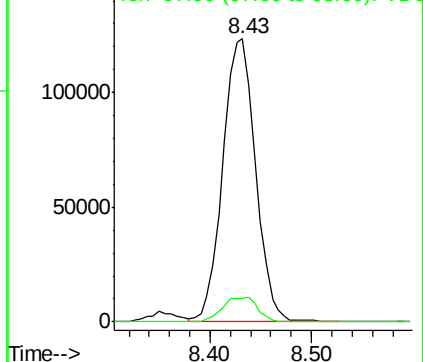
62 100

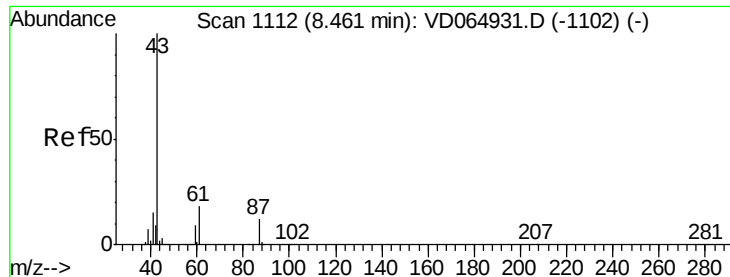
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 46.96 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

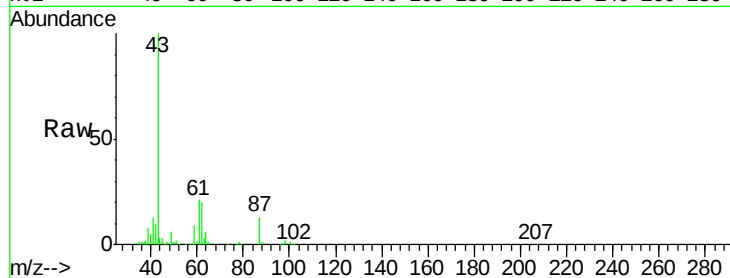
Tgt Ion: 43 Resp: 263546

Ion Ratio Lower Upper

43 100

61 29.8 23.8 35.6

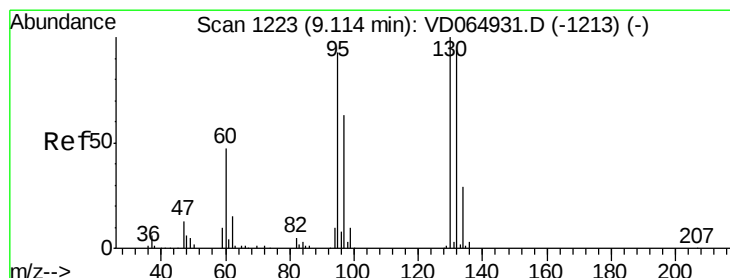
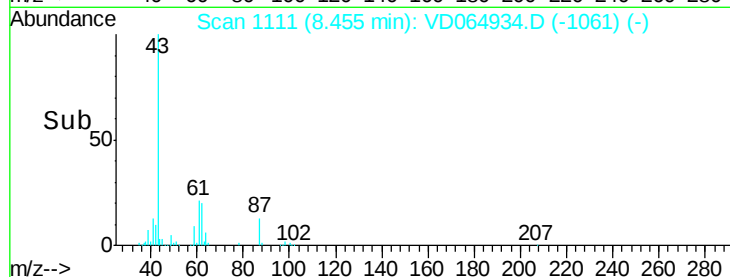
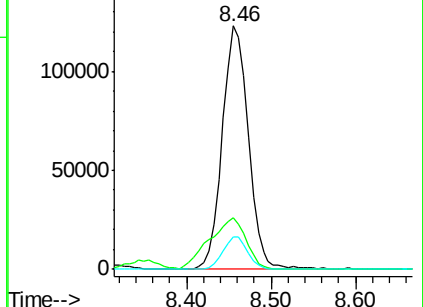
87 12.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.56 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064934.D

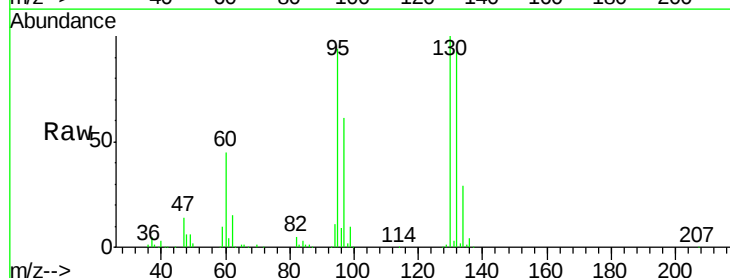
Acq: 23 Jan 2020 13:59

Tgt Ion: 130 Resp: 273205

Ion Ratio Lower Upper

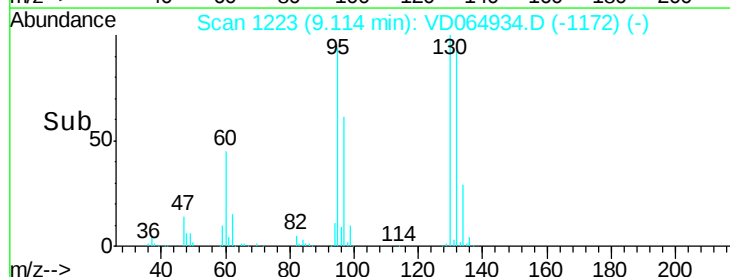
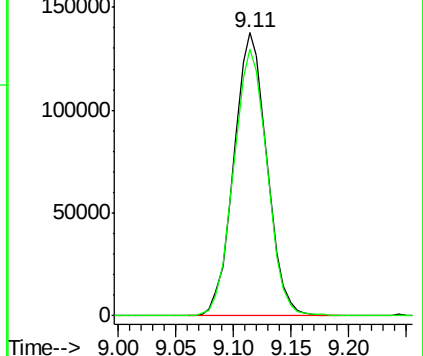
130 100

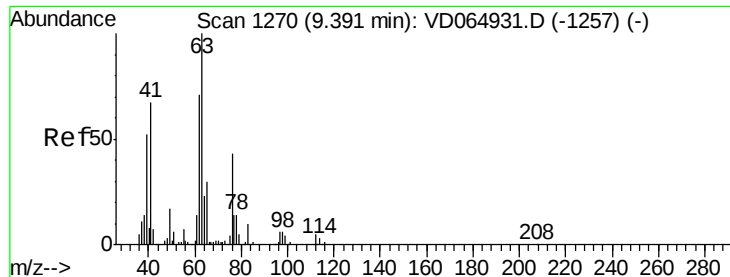
95 94.3 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.12 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

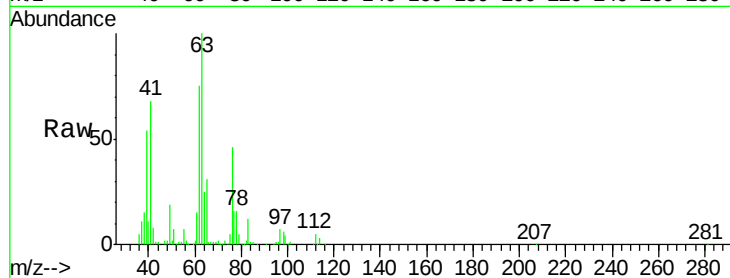
ICVVD012320

Tgt Ion: 63 Resp: 229771

Ion Ratio Lower Upper

63 100

65 31.5 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

120000

100000

80000

60000

40000

20000

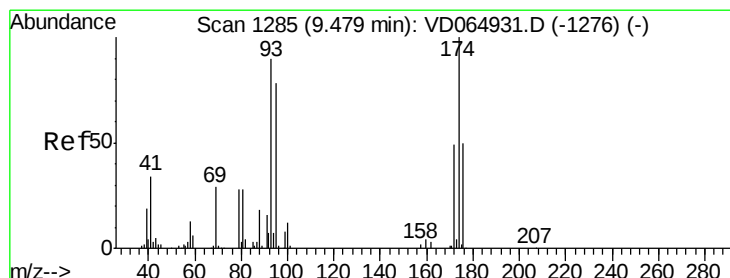
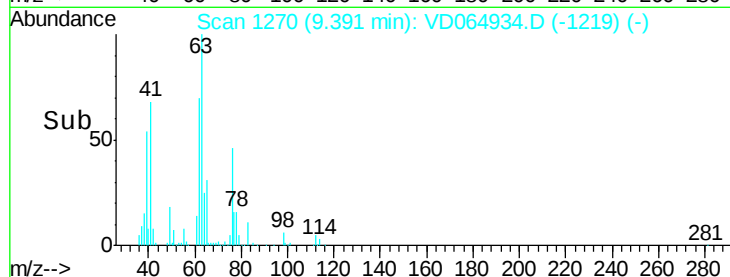
0

Time-->

9.30

9.40

9.50



#46

Dibromomethane

Concen: 48.40 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

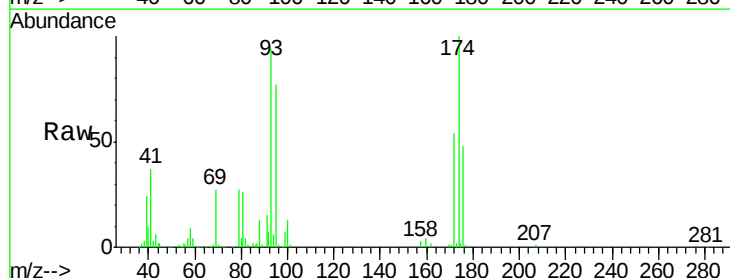
Tgt Ion: 93 Resp: 126192

Ion Ratio Lower Upper

93 100

95 82.2 67.5 101.3

174 106.6 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): V

80000

60000

40000

20000

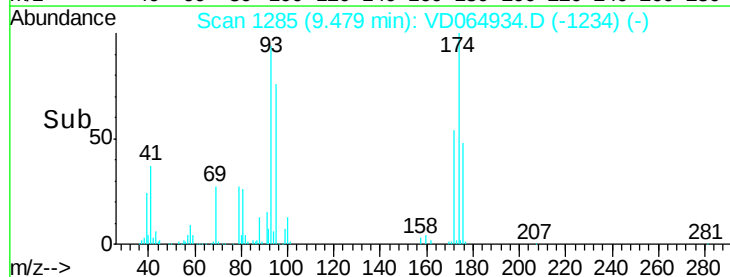
0

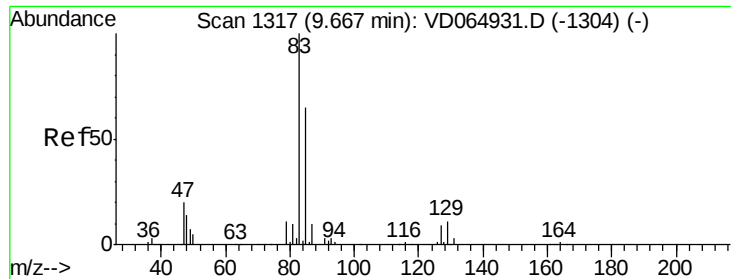
Time-->

9.40

9.50

9.60

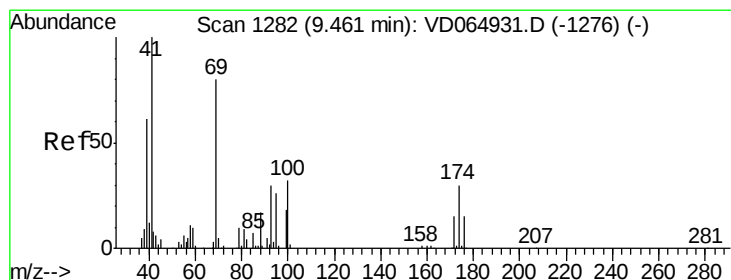
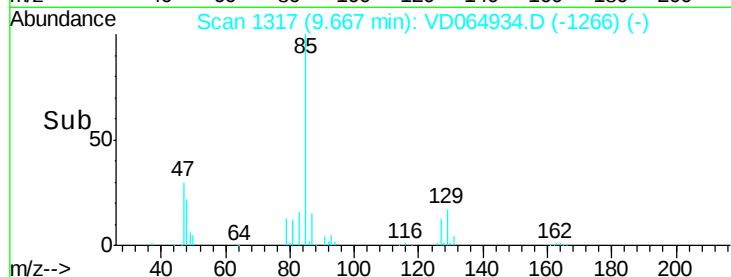
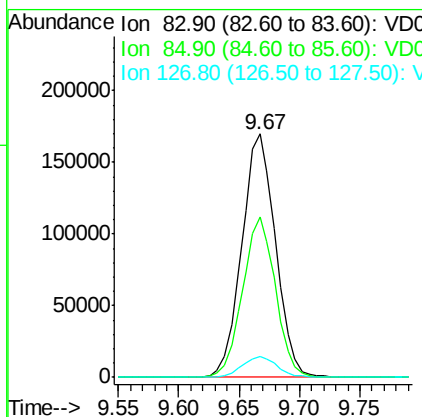
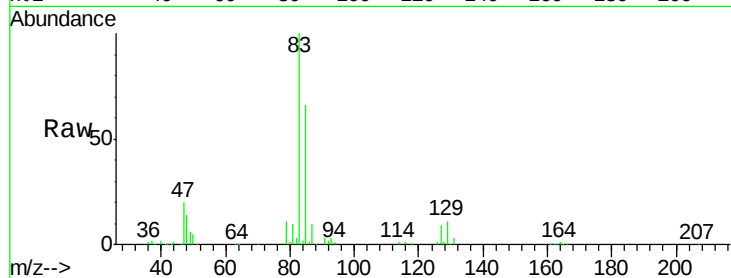




#47
 Bromodichloromethane
 Concen: 48.86 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

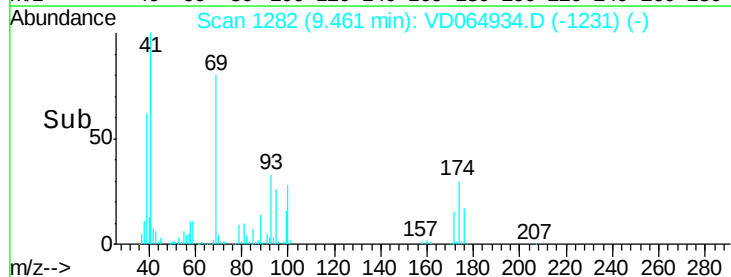
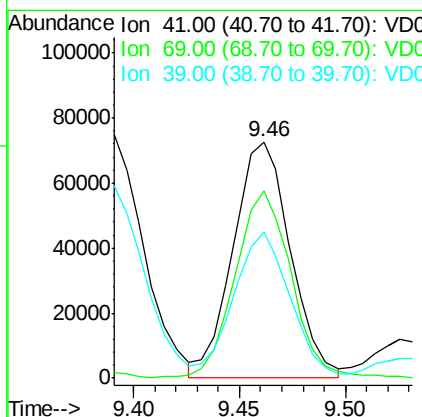
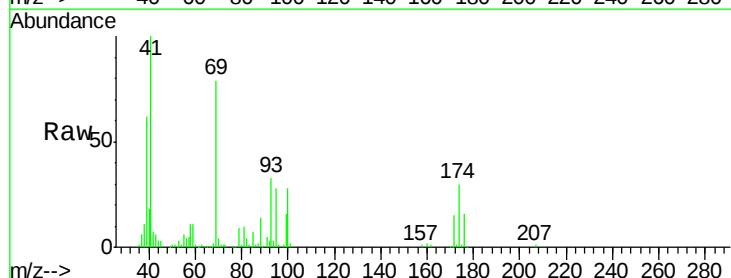
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

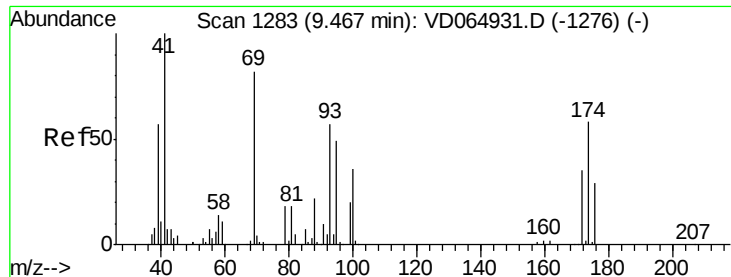
Tgt Ion: 83 Resp: 331501
 Ion Ratio Lower Upper
 83 100
 85 65.8 52.0 78.0
 127 8.8 7.3 10.9



#48
 Methyl methacrylate
 Concen: 52.51 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion: 41 Resp: 135603
 Ion Ratio Lower Upper
 41 100
 69 77.5 65.8 98.8
 39 58.4 49.4 74.0





#49

1,4-Dioxane

Concen: 855.83 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

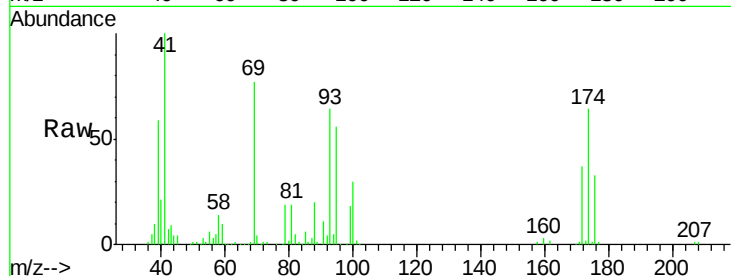
Tgt Ion: 88 Resp: 25878

Ion Ratio Lower Upper

88 100

43 43.7 26.2 39.4#

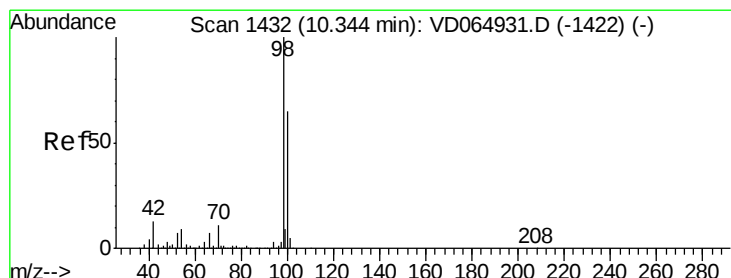
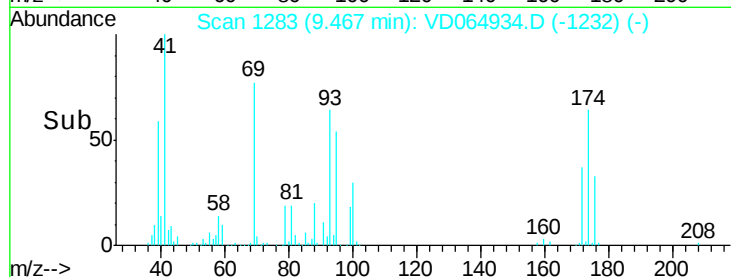
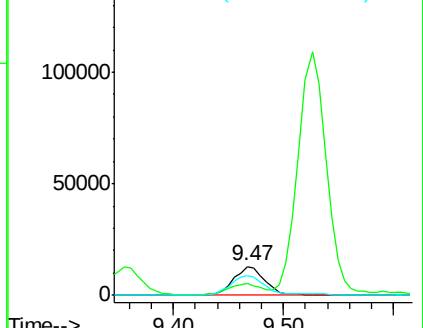
58 74.1 50.3 75.5



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: 48.03 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064934.D

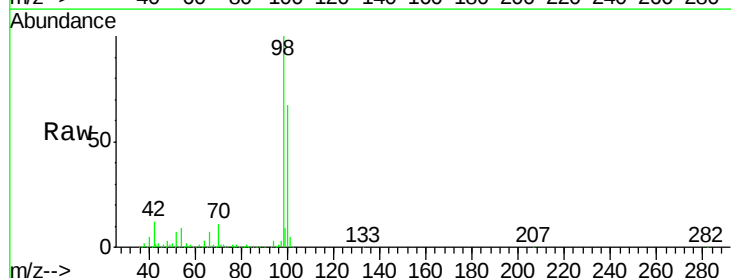
Acq: 23 Jan 2020 13:59

Tgt Ion: 98 Resp: 864145

Ion Ratio Lower Upper

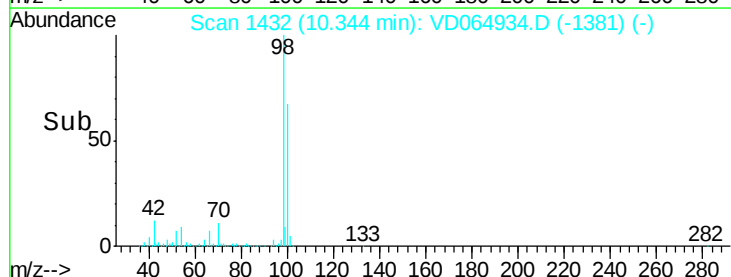
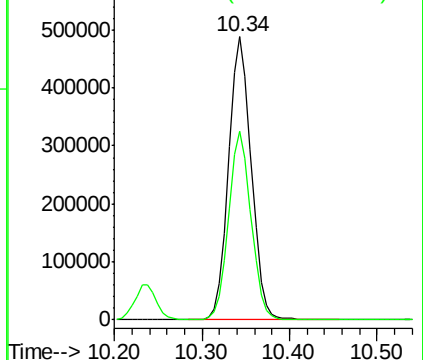
98 100

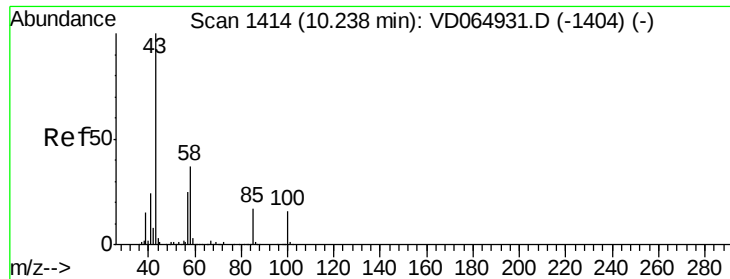
100 65.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

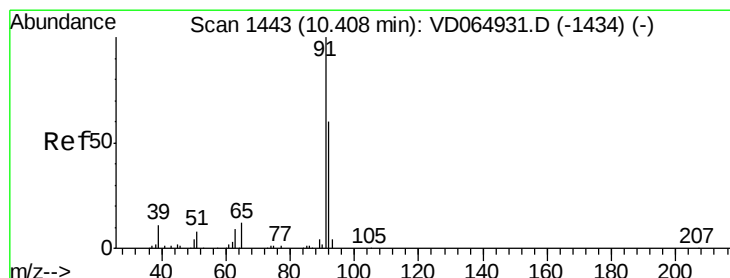
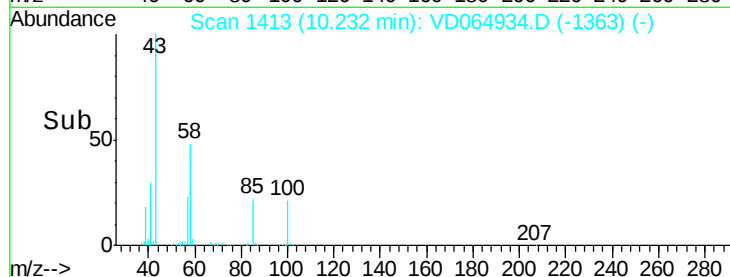
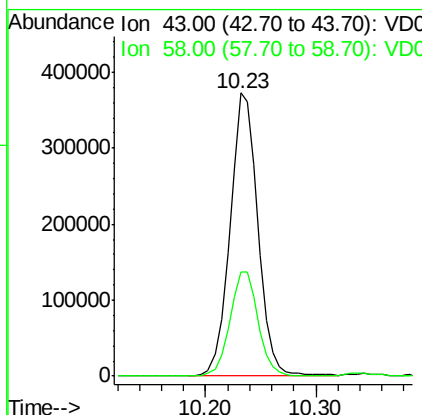
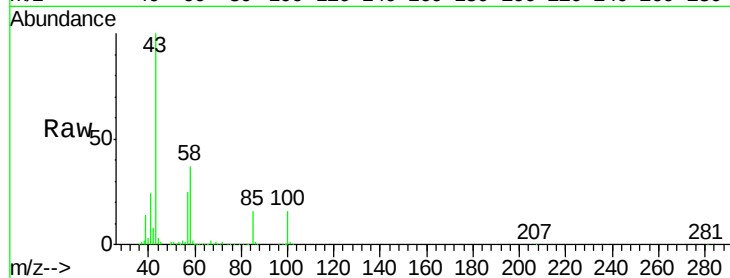




#51
 4-Methyl-2-Pentanone
 Concen: 233.86 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

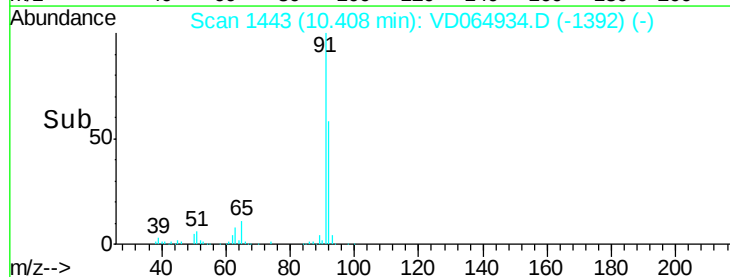
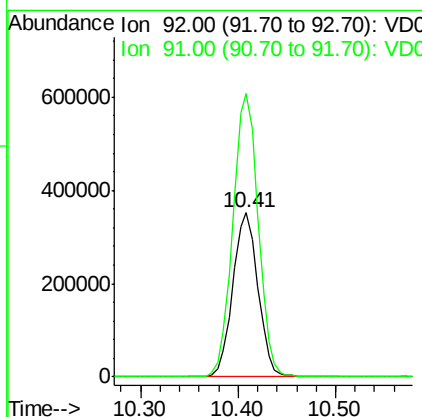
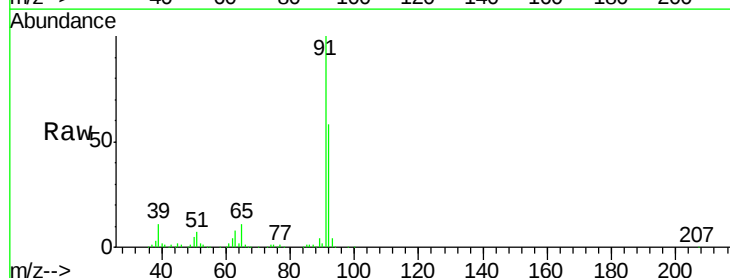
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

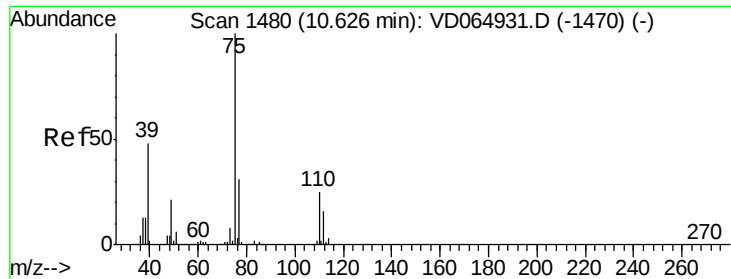
Tgt Ion: 43 Resp: 656679
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.4 45.6



#52
 Toluene
 Concen: 49.71 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion: 92 Resp: 631387
 Ion Ratio Lower Upper
 92 100
 91 174.0 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 49.46 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

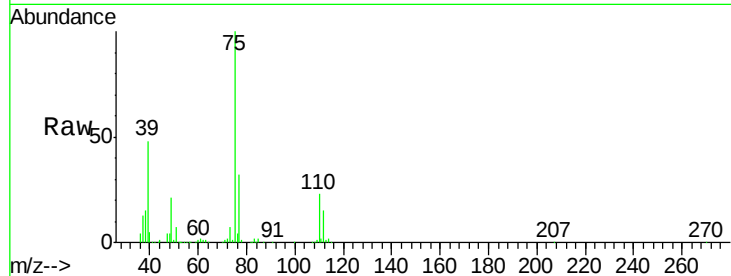
ICVVD012320

Tgt Ion: 75 Resp: 319644

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

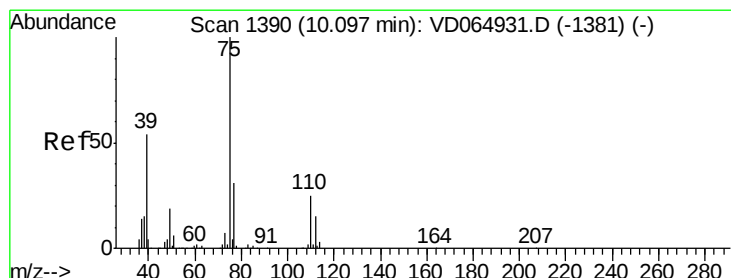
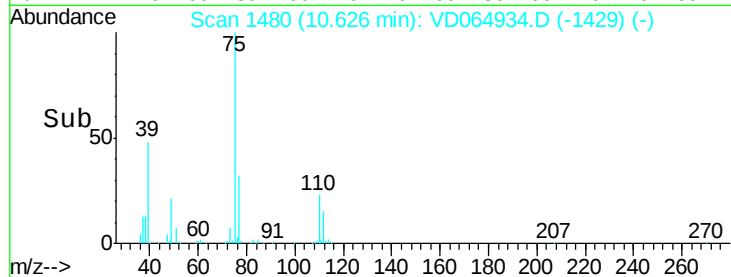
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.30 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

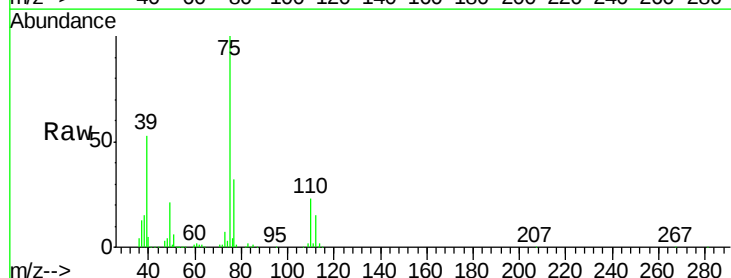
Tgt Ion: 75 Resp: 373041

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 52.6 43.0 64.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

250000

200000

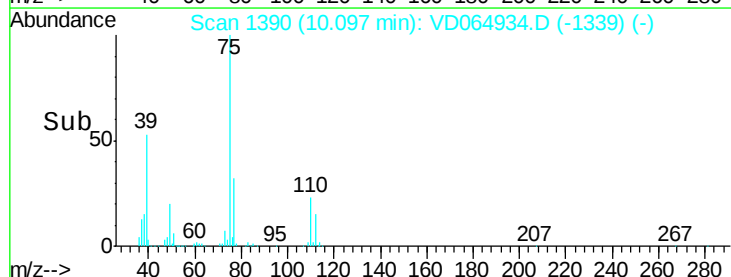
150000

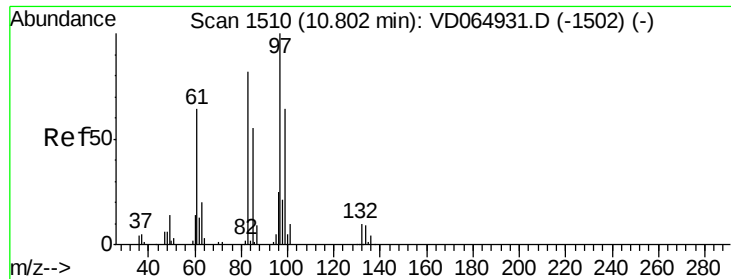
100000

50000

0

Time-->

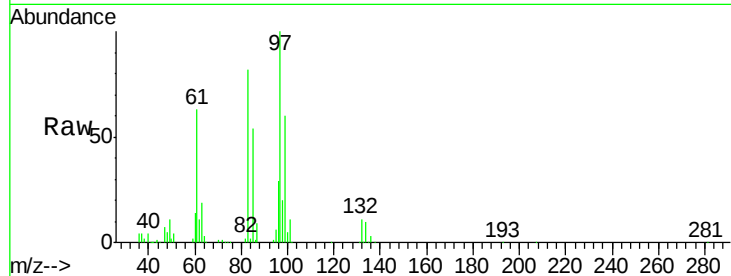




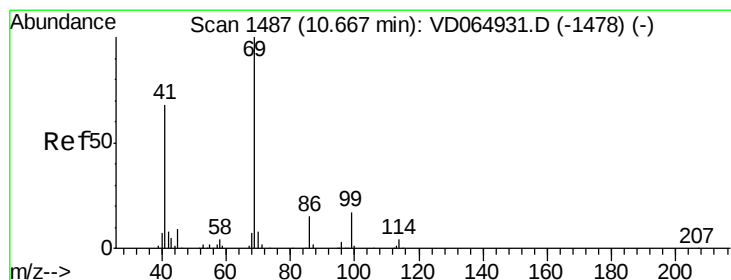
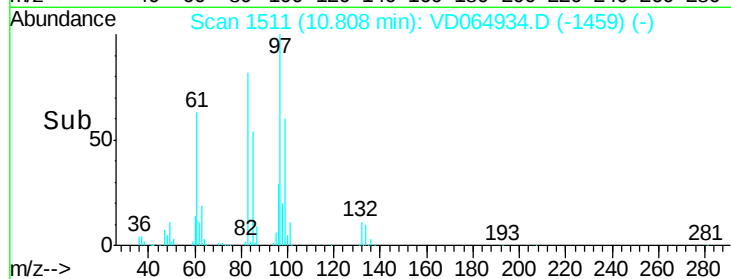
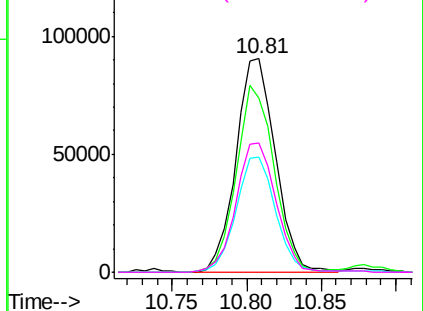
#55
 1,1,2-Trichloroethane
 Concen: 47.24 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

Tgt Ion:	97	Resp:	165888
Ion	Ratio	Lower	Upper
97	100		
83	81.7	66.0	99.0
85	53.7	44.4	66.6
99	60.5	51.4	77.0

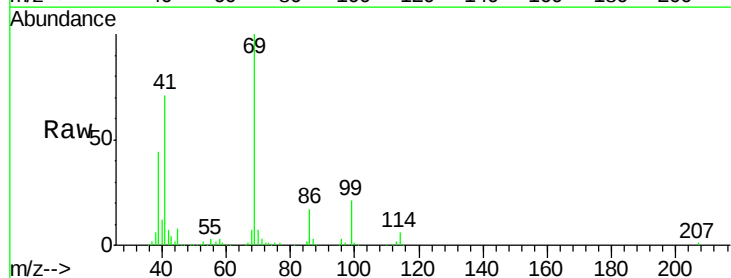


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

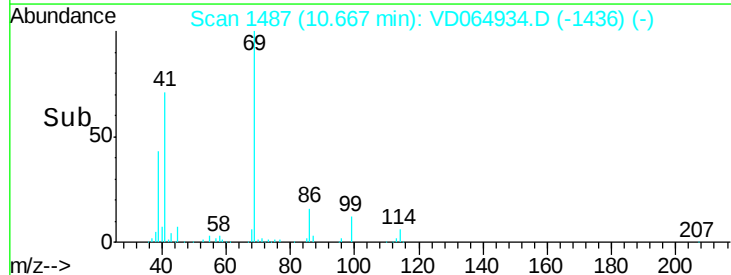
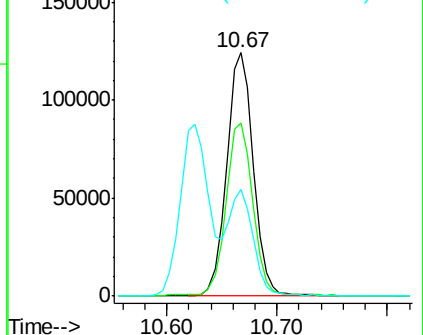


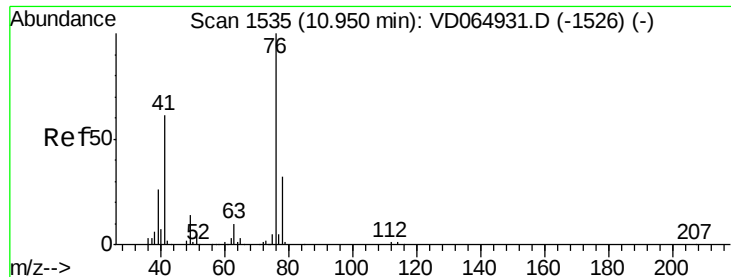
#56
 Ethyl methacrylate
 Concen: 50.01 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion:	69	Resp:	210036
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.4	84.6
39	39.9	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

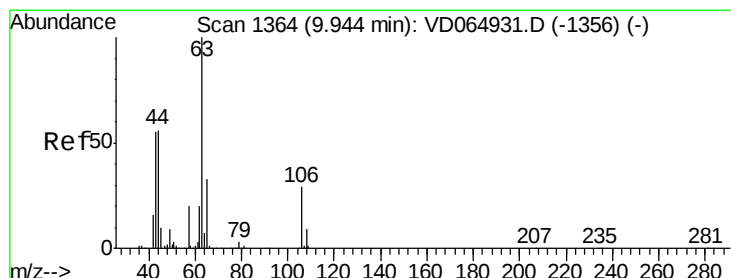
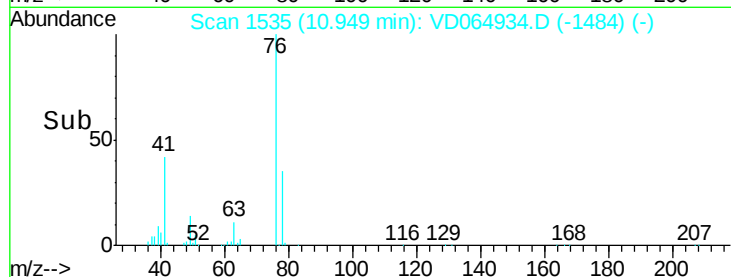
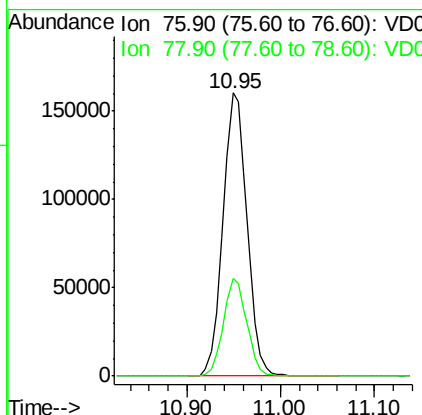
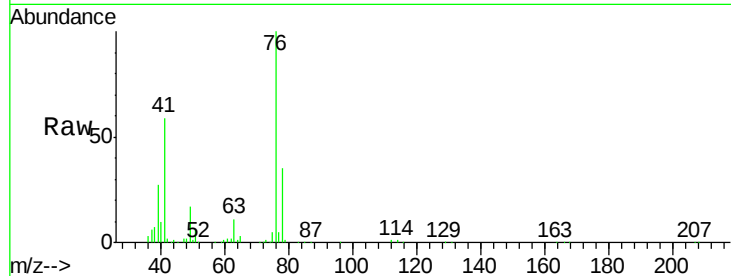




#57
 1,3-Dichloropropane
 Concen: 47.34 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

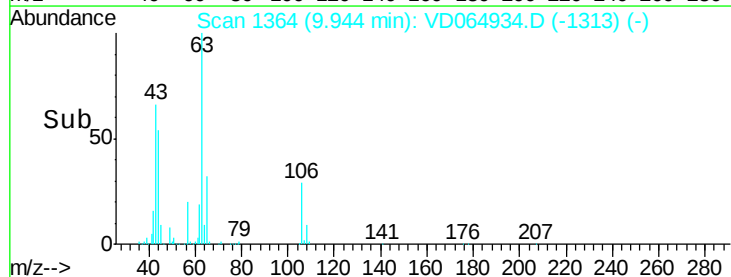
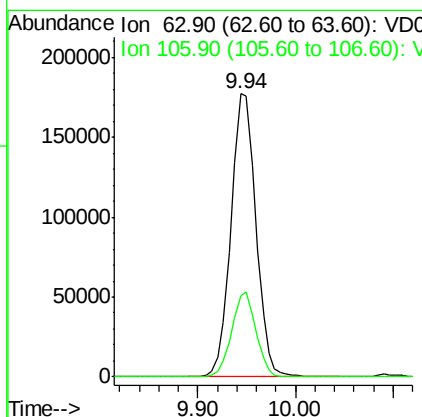
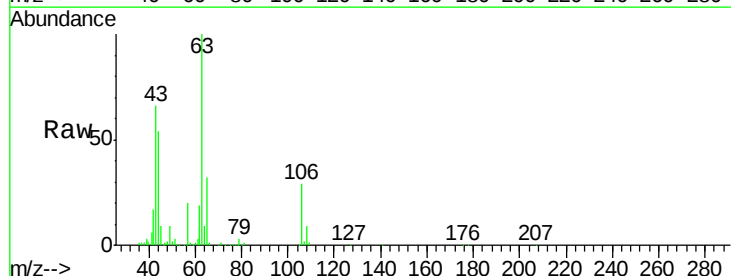
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

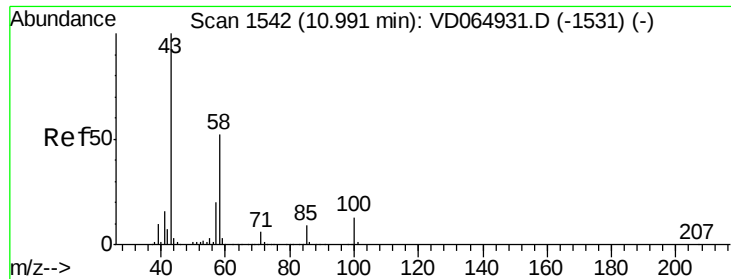
Tgt Ion: 76 Resp: 285165
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.12 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion: 63 Resp: 315485
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.0 34.4

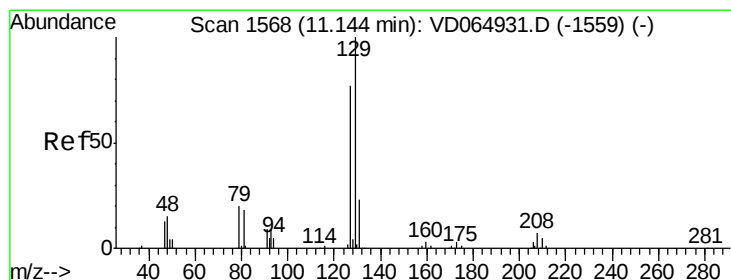
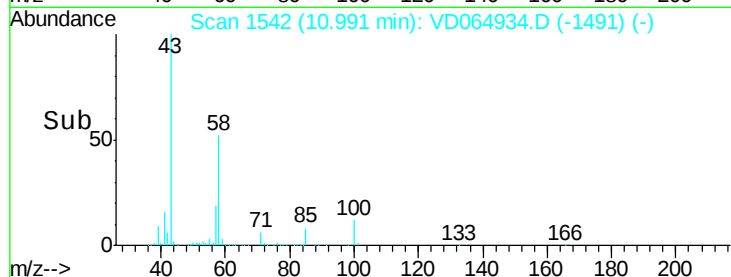
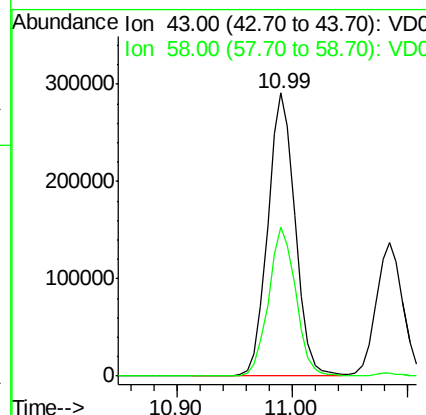
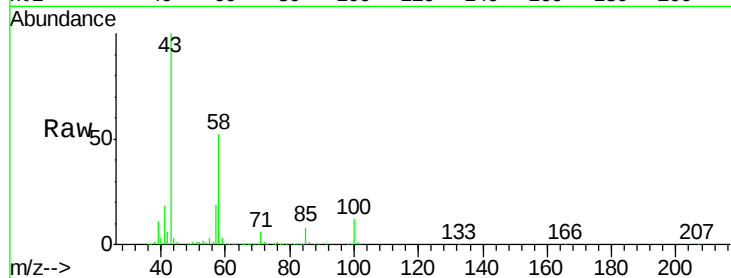




#59
2-Hexanone
Concen: 248.12 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

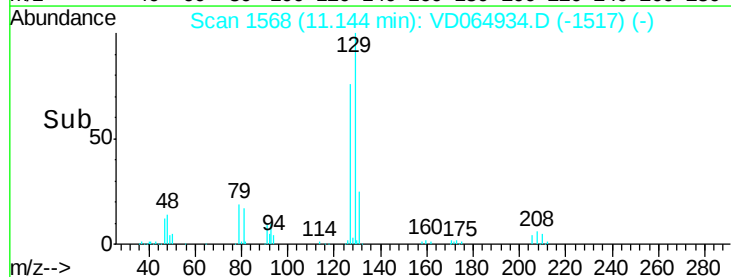
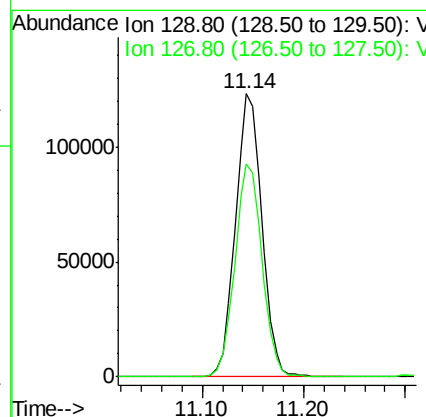
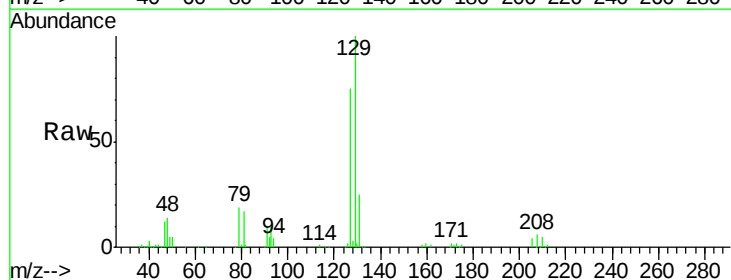
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

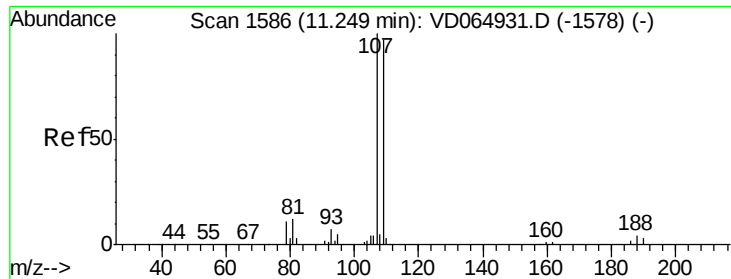
Tgt Ion: 43 Resp: 480569
Ion Ratio Lower Upper
43 100
58 52.4 26.5 79.4



#60
Dibromochloromethane
Concen: 47.44 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 129 Resp: 222693
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6

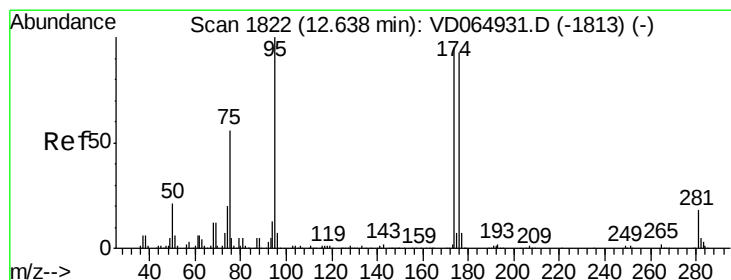
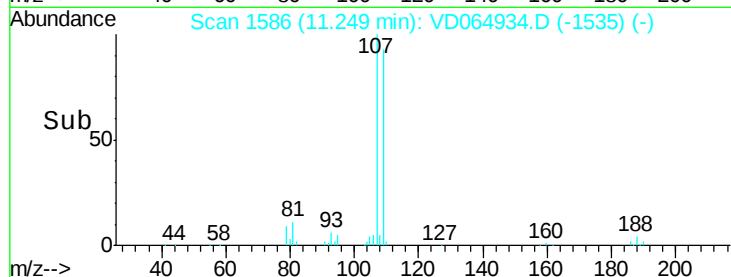
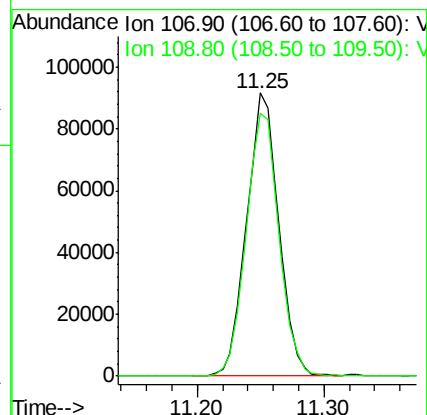
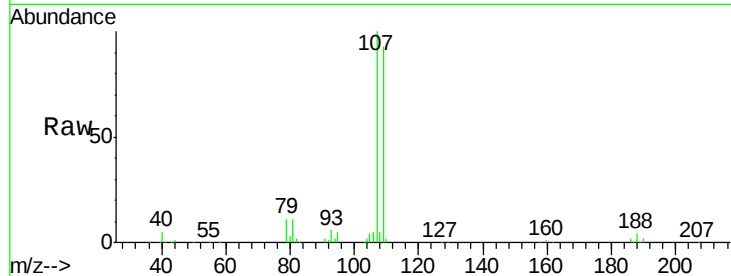




#61
 1,2-Dibromoethane
 Concen: 47.70 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

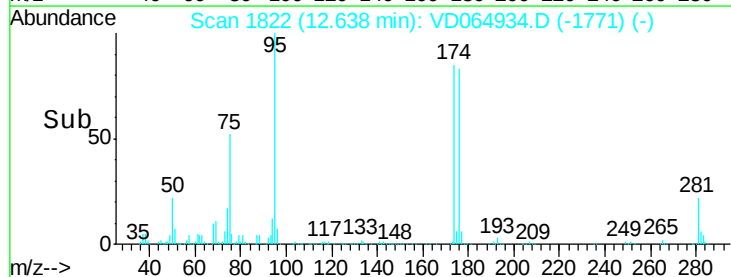
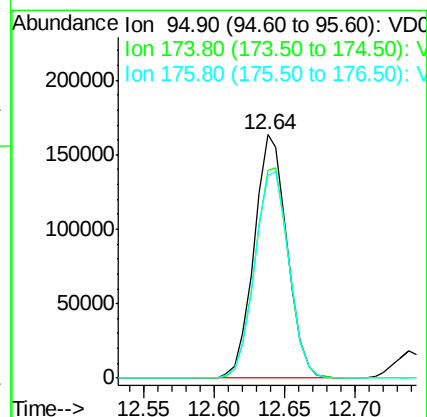
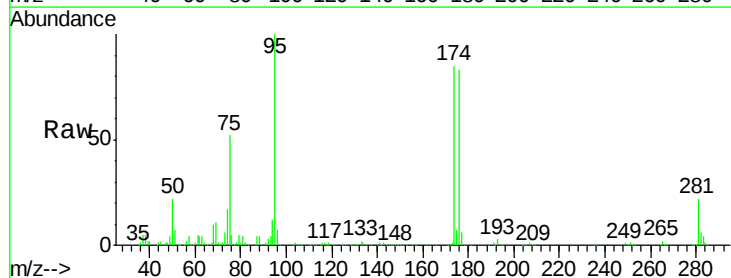
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

Tgt Ion: 107 Resp: 161289
 Ion Ratio Lower Upper
 107 100
 109 95.3 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 48.73 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion: 95 Resp: 268299
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 186.8
 176 88.2 0.0 183.4

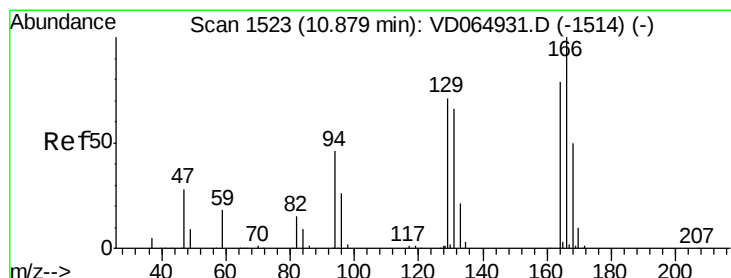
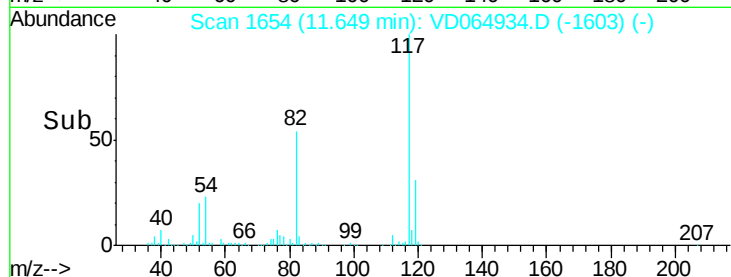
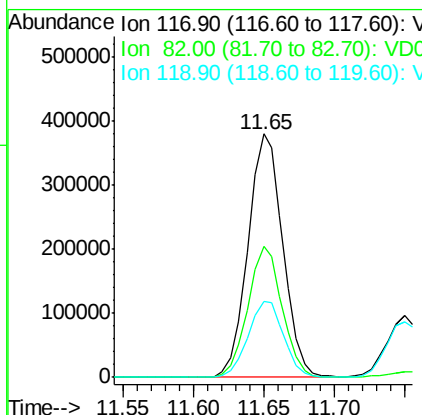
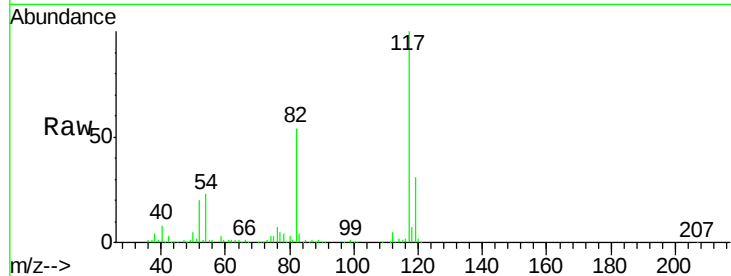




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

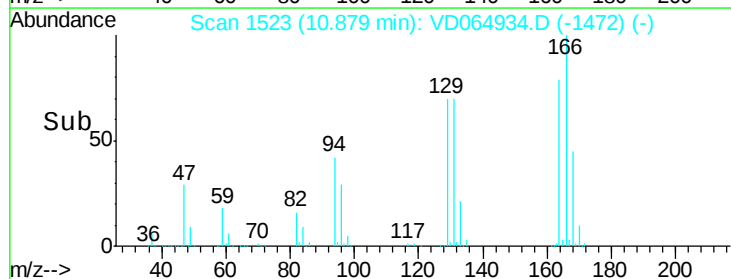
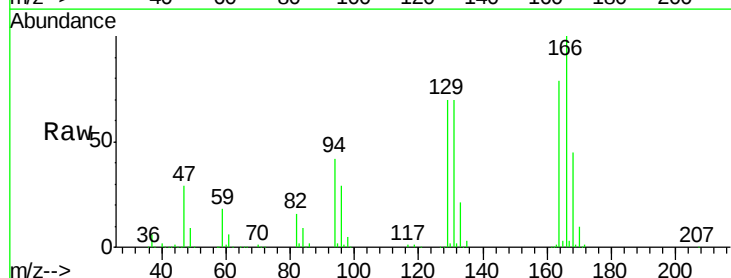
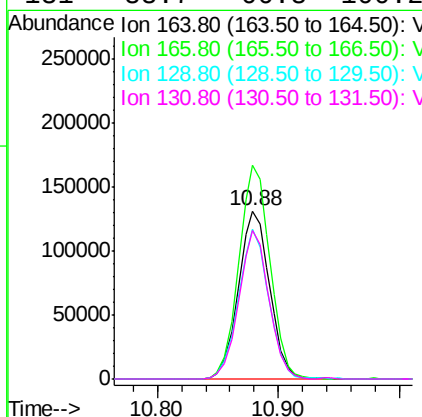
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

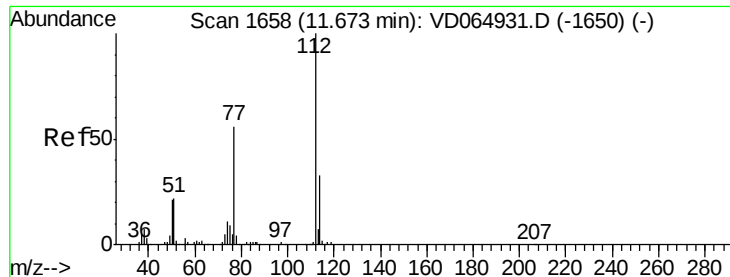
Tgt Ion:117 Resp: 656947
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 31.3 25.2 37.8



#64
Tetrachloroethene
Concen: 50.00 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion:164 Resp: 237355
Ion Ratio Lower Upper
164 100
166 127.4 101.4 152.2
129 89.0 71.8 107.8
131 88.7 66.8 100.2





#65

Chlorobenzene

Concen: 48.95 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

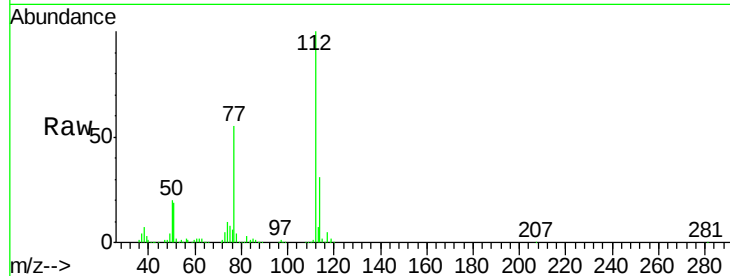
ICVVD012320

Tgt Ion:112 Resp: 652962

Ion Ratio Lower Upper

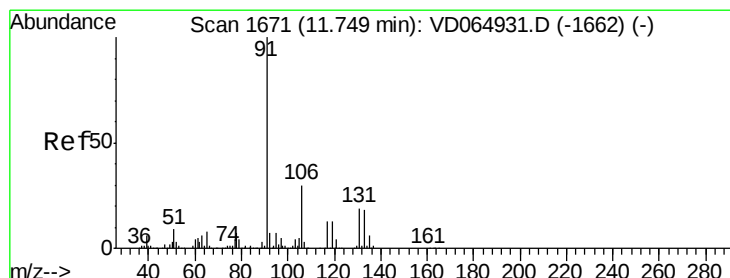
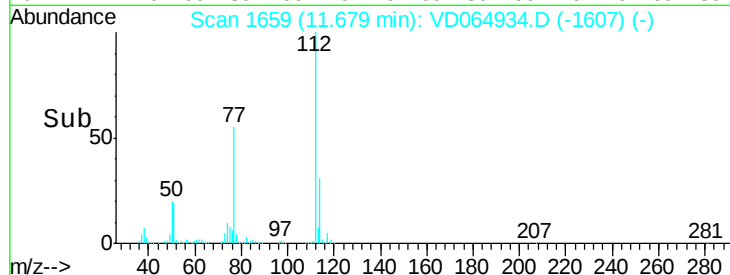
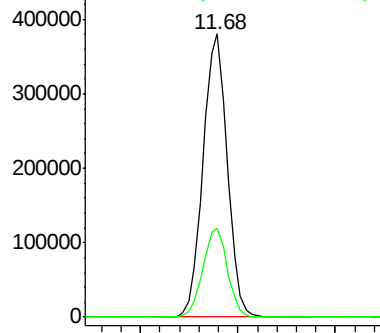
112 100

114 31.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.16 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

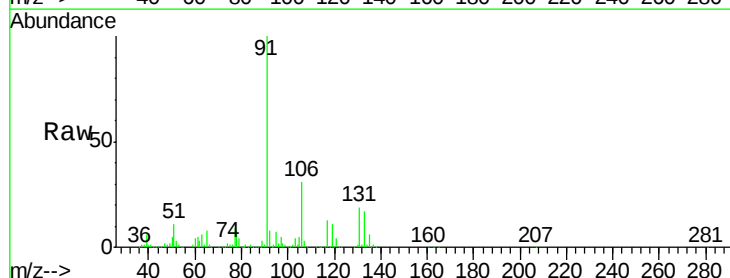
Tgt Ion:131 Resp: 246589

Ion Ratio Lower Upper

131 100

133 94.4 47.5 142.5

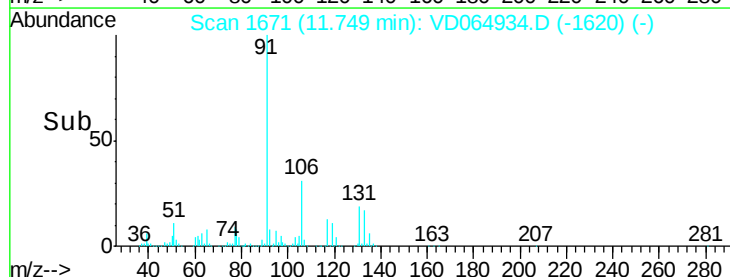
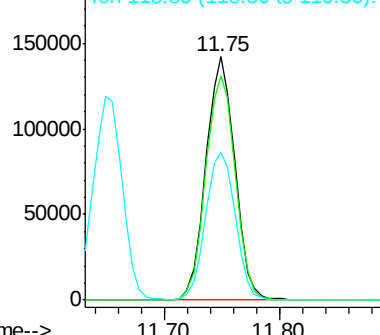
119 62.6 31.1 93.5

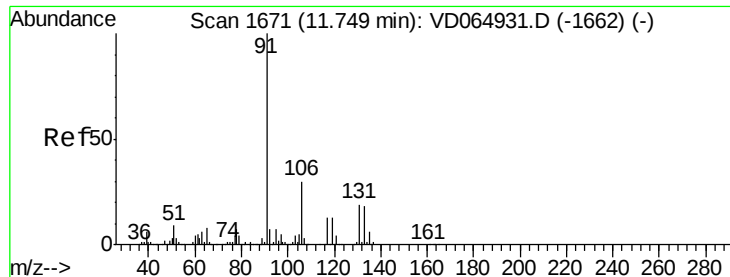


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.27 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

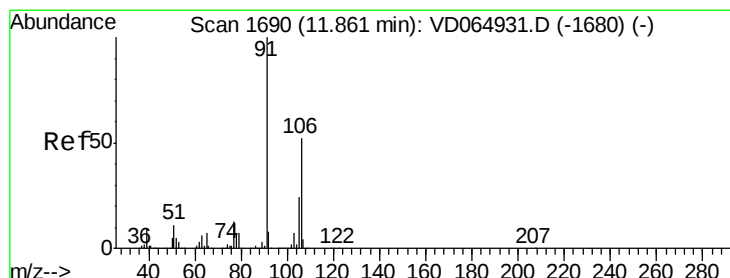
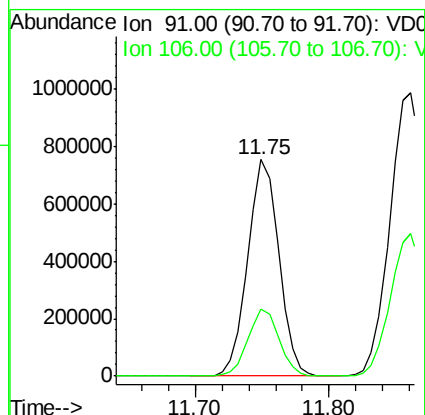
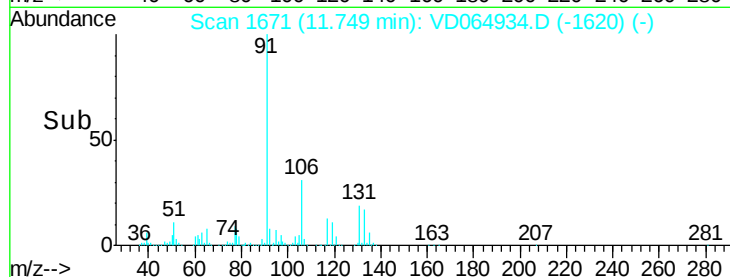
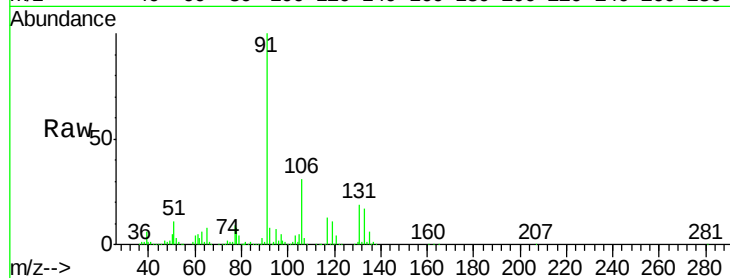
ICVVD012320

Tgt Ion: 91 Resp: 1214036

Ion Ratio Lower Upper

91 100

106 30.9 24.3 36.5



#68

m/p-Xylenes

Concen: 102.08 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064934.D

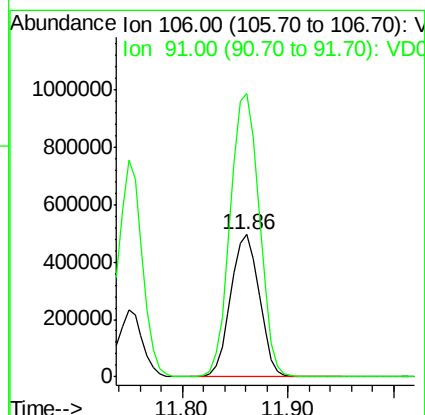
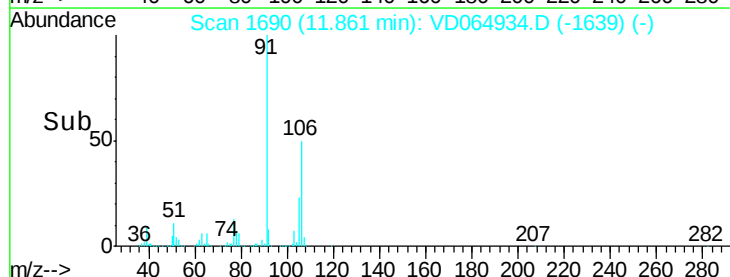
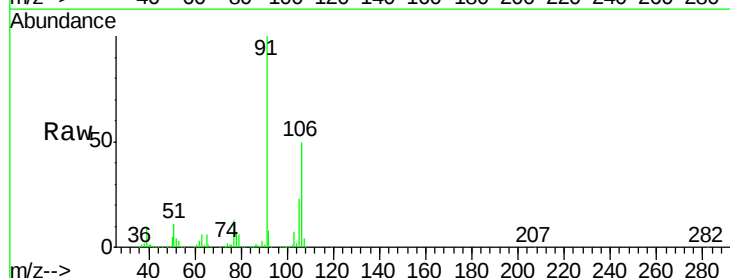
Acq: 23 Jan 2020 13:59

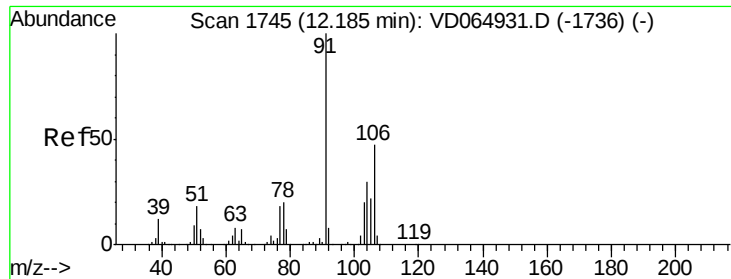
Tgt Ion: 106 Resp: 930672

Ion Ratio Lower Upper

106 100

91 201.9 159.0 238.4

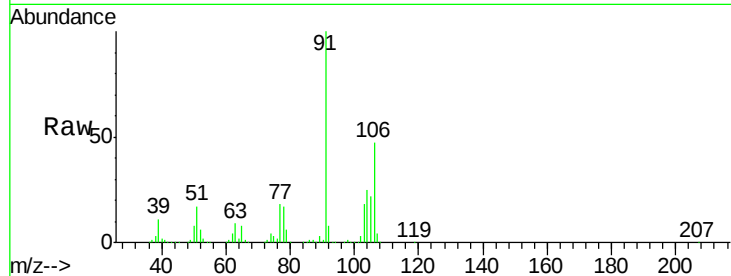




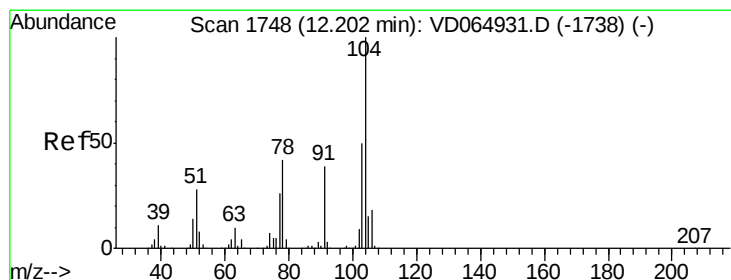
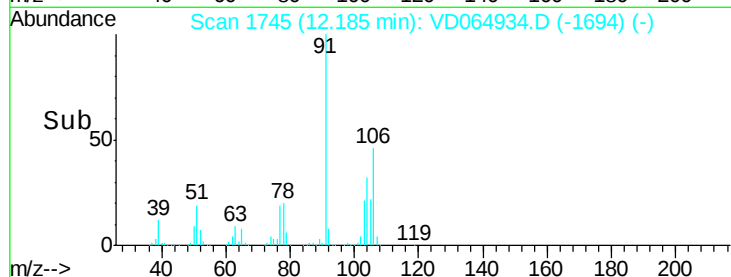
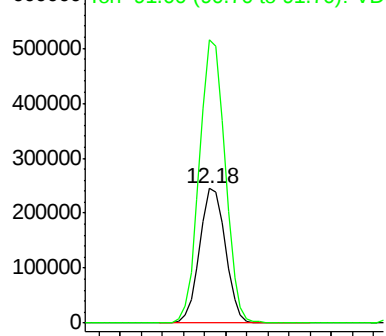
#69
o-Xylene
Concen: 51.24 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

Tgt Ion:106 Resp: 414584
Ion Ratio Lower Upper
106 100
91 209.8 106.7 319.9

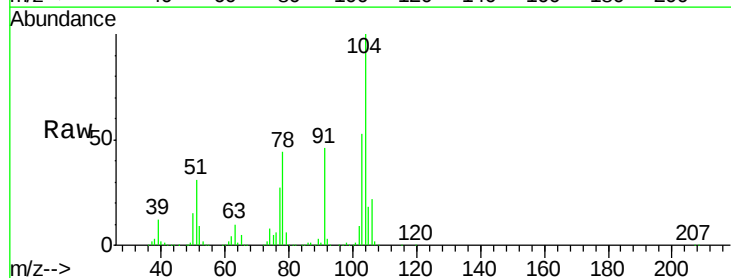


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

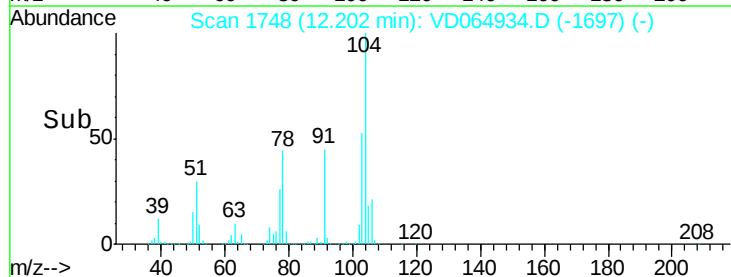
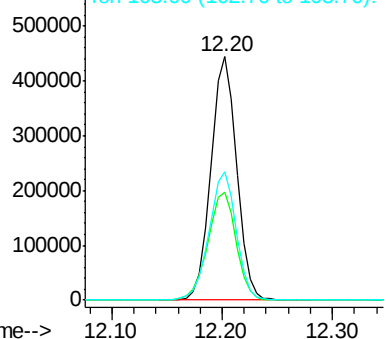


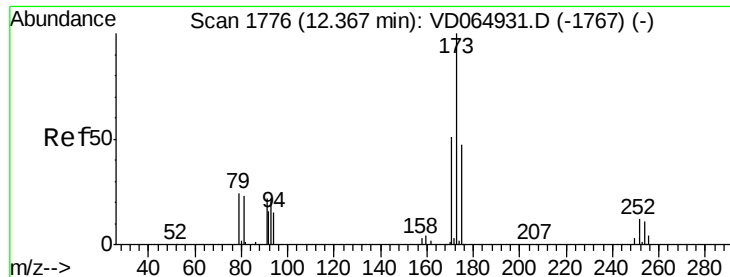
#70
Styrene
Concen: 50.59 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion:104 Resp: 729279
Ion Ratio Lower Upper
104 100
78 48.7 38.3 57.5
103 55.4 43.5 65.3



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

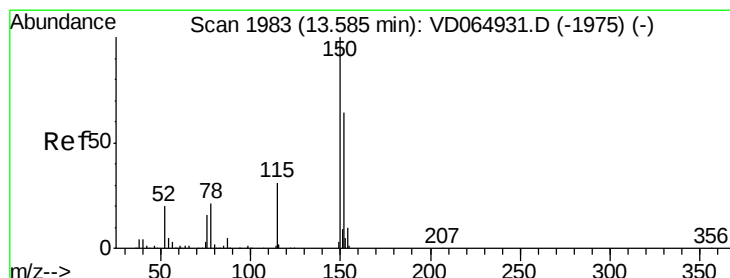
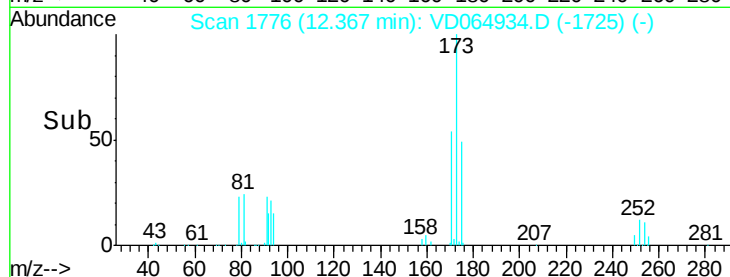
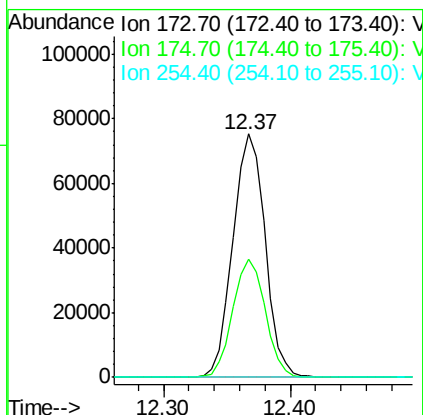
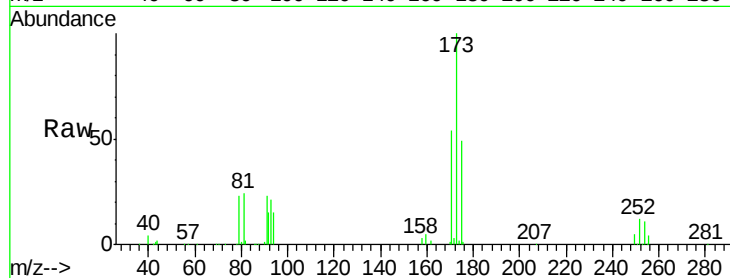




#71
Bromoform
Concen: 47.46 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

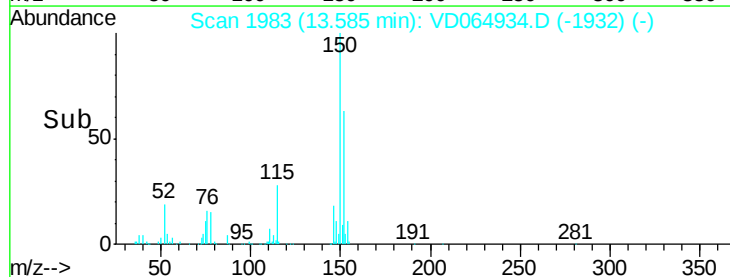
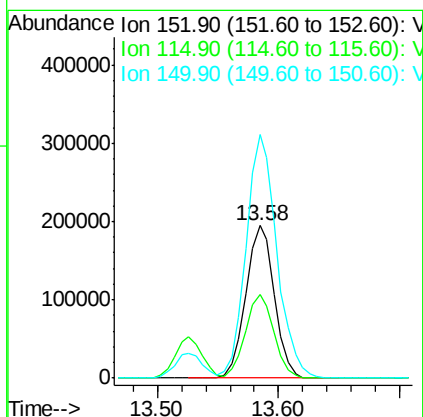
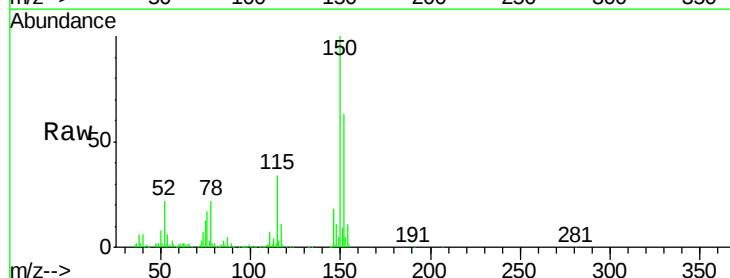
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

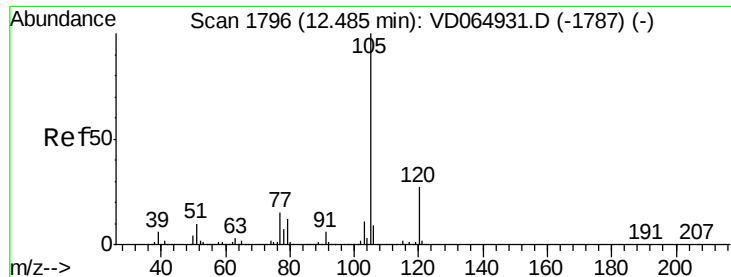
Tgt Ion:173 Resp: 132347
Ion Ratio Lower Upper
173 100
175 49.0 24.6 73.8
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion:152 Resp: 319669
Ion Ratio Lower Upper
152 100
115 54.2 28.1 84.4
150 172.1 0.0 350.4





#73

Isopropylbenzene

Concen: 51.90 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

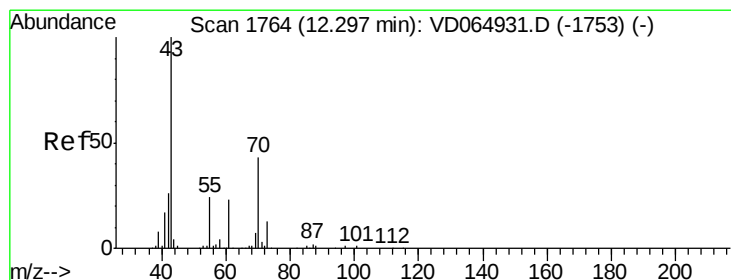
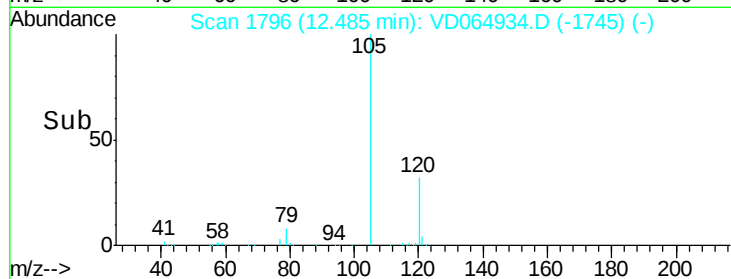
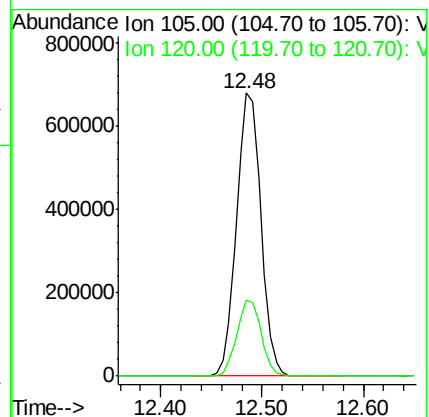
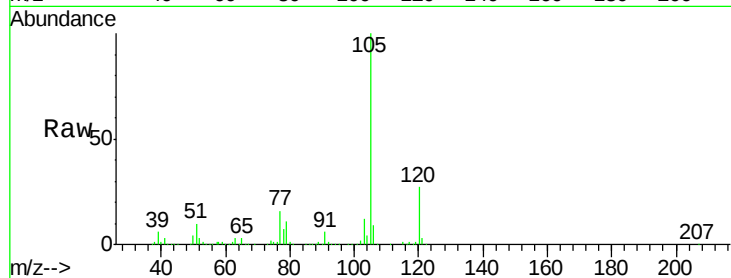
ICVVD012320

Tgt Ion:105 Resp: 1134068

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 48.48 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Tgt Ion: 43 Resp: 237015

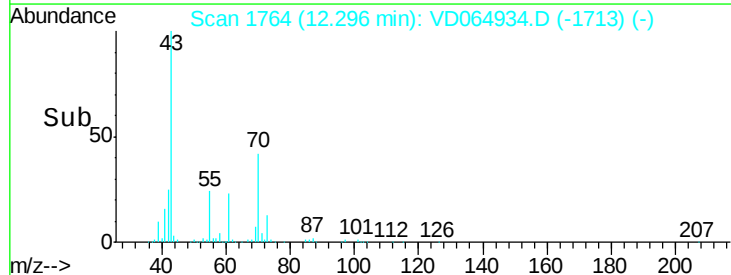
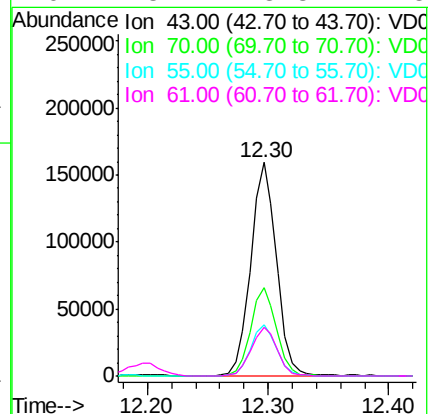
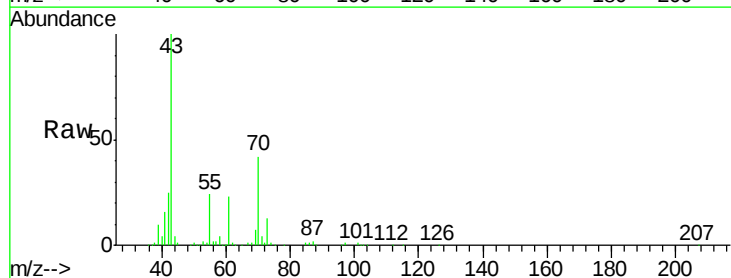
Ion Ratio Lower Upper

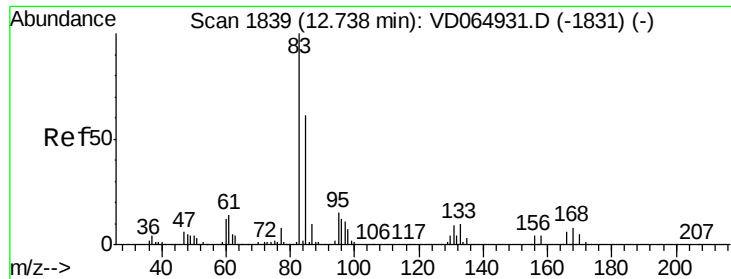
43 100

70 41.4 32.6 49.0

55 24.3 19.9 29.9

61 23.2 18.3 27.5

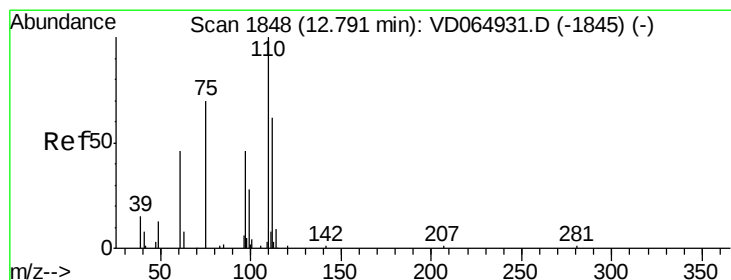
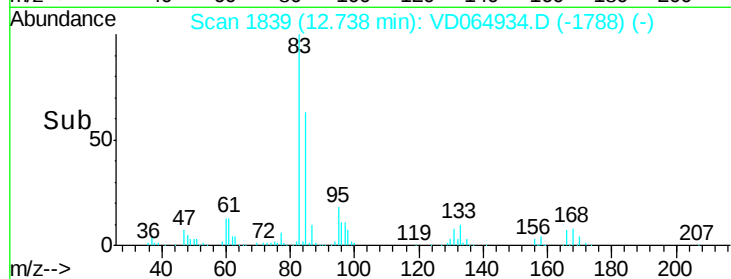
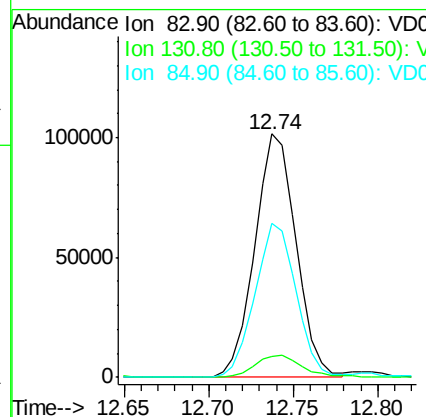
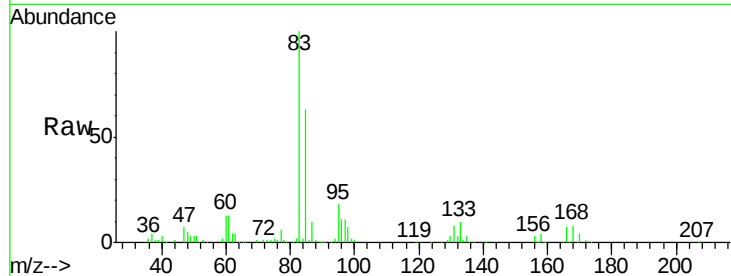




#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.00 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

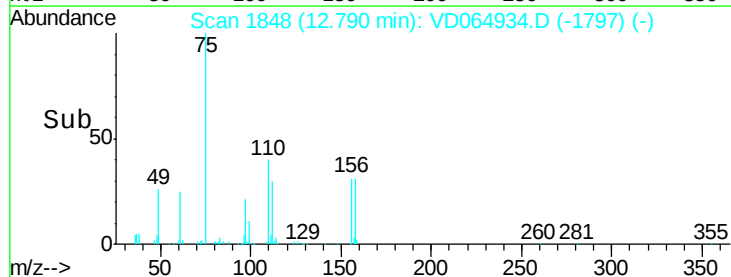
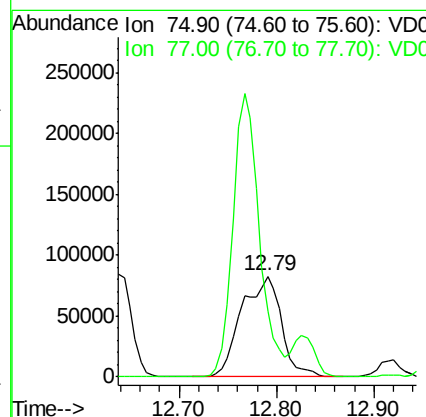
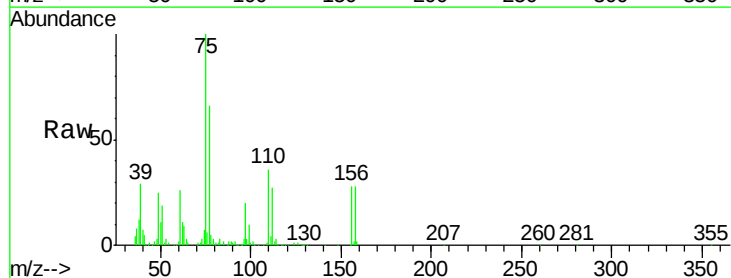
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

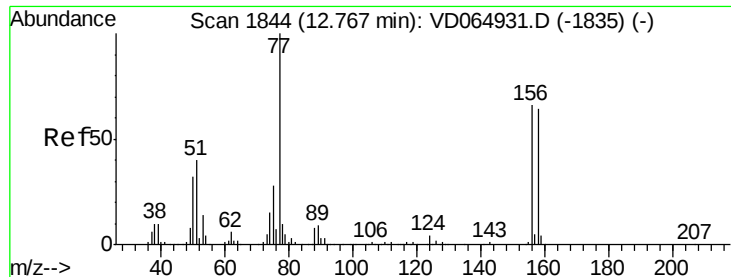
Tgt Ion: 83 Resp: 172587
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.5 16.4
 85 63.5 31.6 94.7



#76
 1,2,3-Trichloropropane
 Concen: 88.52 ug/l
 RT: 12.79 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion: 75 Resp: 234862
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.10 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

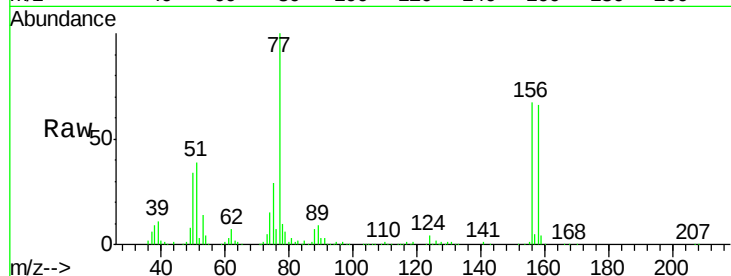
Tgt Ion:156 Resp: 267838

Ion Ratio Lower Upper

156 100

77 163.7 84.2 252.5

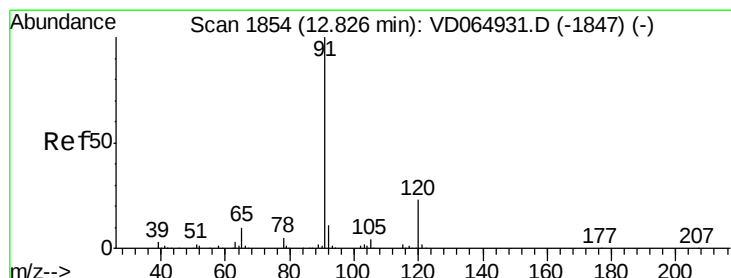
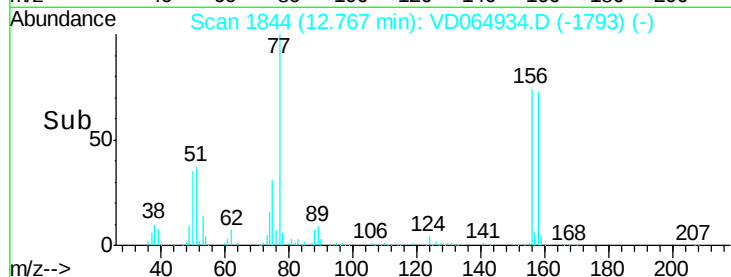
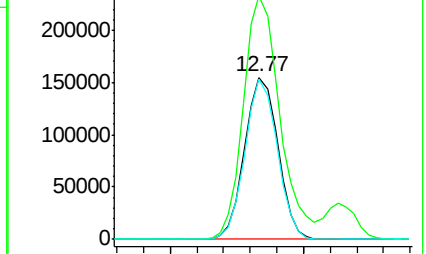
158 95.9 48.1 144.4



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: 52.22 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064934.D

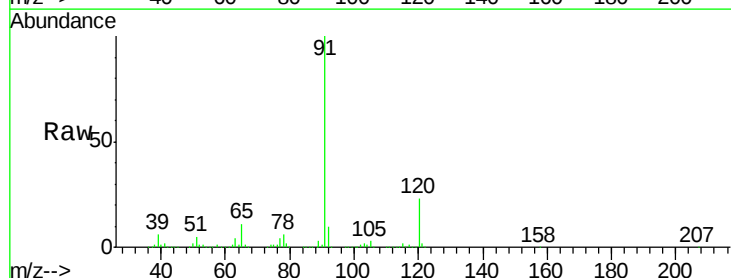
Acq: 23 Jan 2020 13:59

Tgt Ion: 91 Resp: 1356787

Ion Ratio Lower Upper

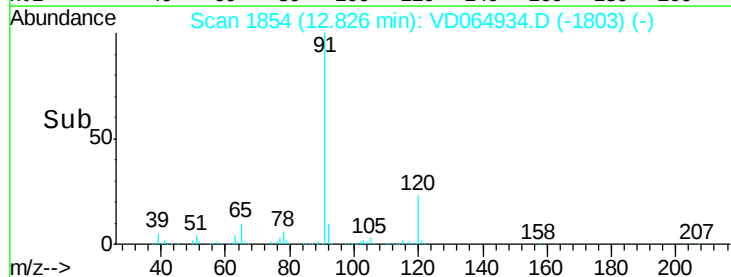
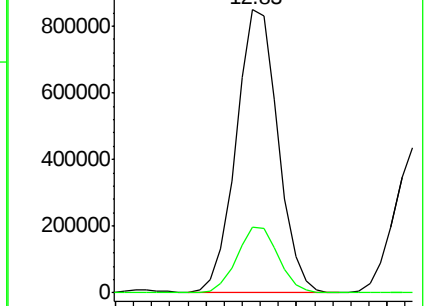
91 100

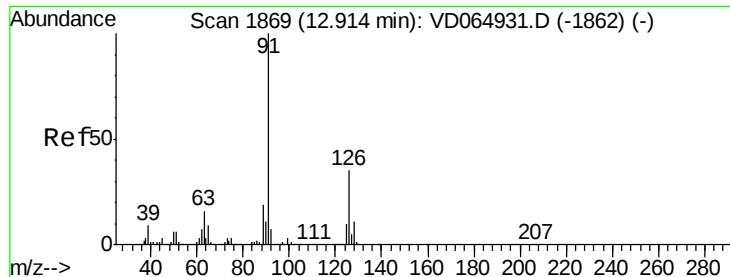
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.00 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

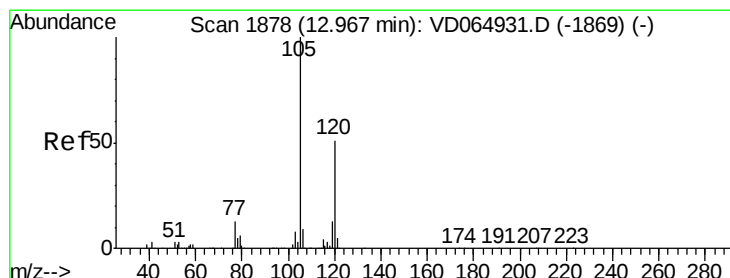
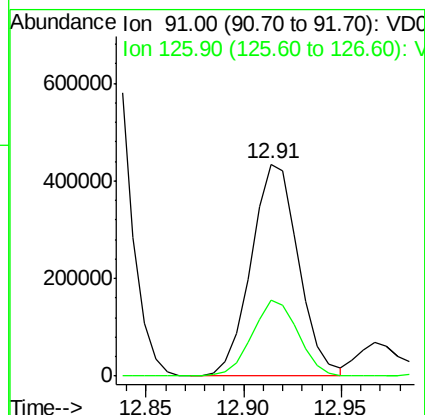
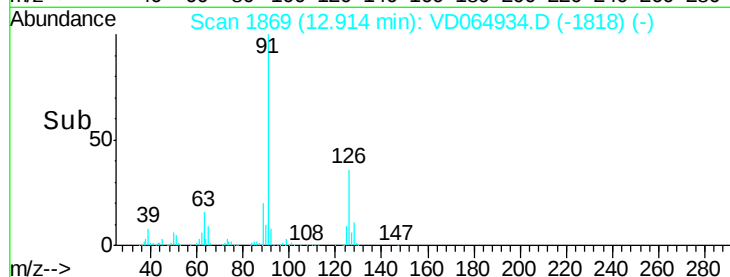
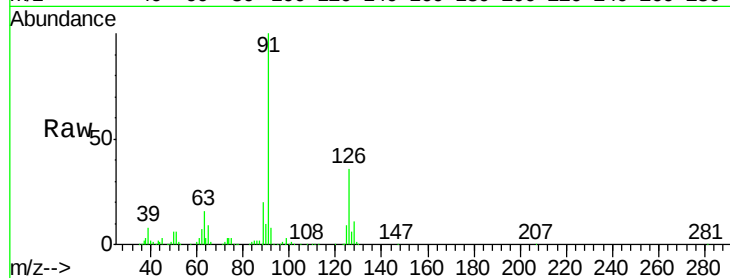
ICVVD012320

Tgt Ion: 91 Resp: 727034

Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 51.86 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064934.D

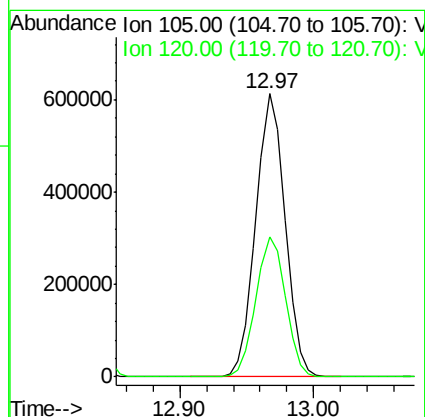
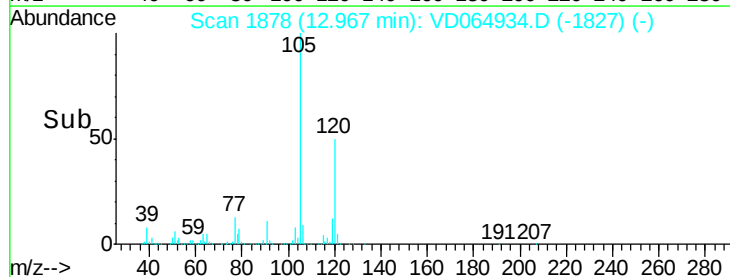
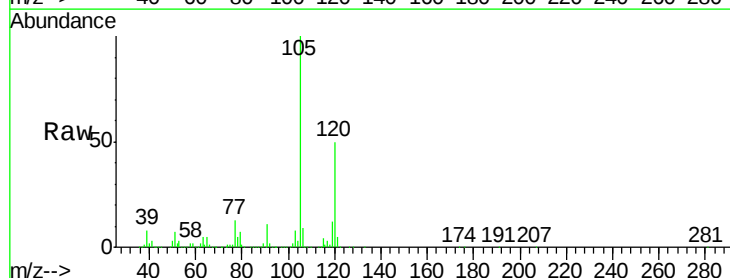
Acq: 23 Jan 2020 13:59

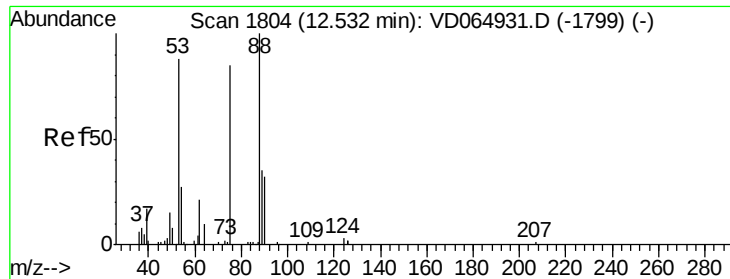
Tgt Ion: 105 Resp: 928576

Ion Ratio Lower Upper

105 100

120 50.3 25.6 76.8

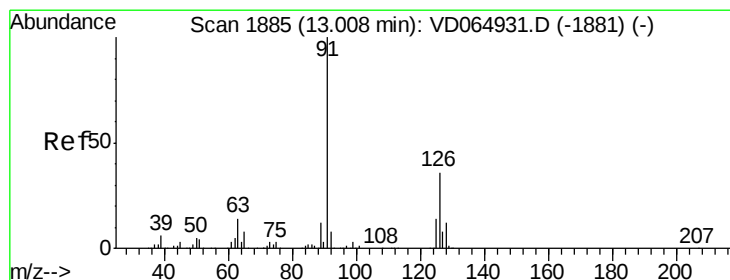
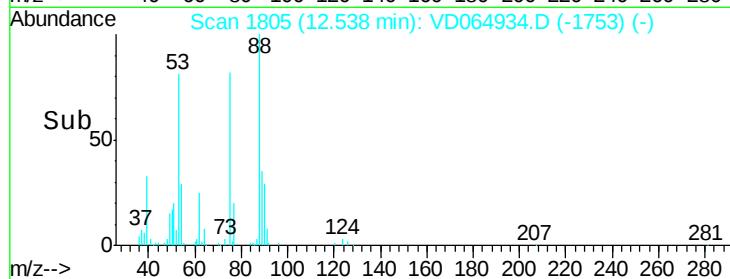
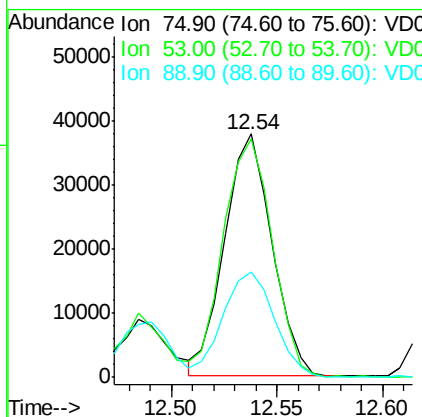
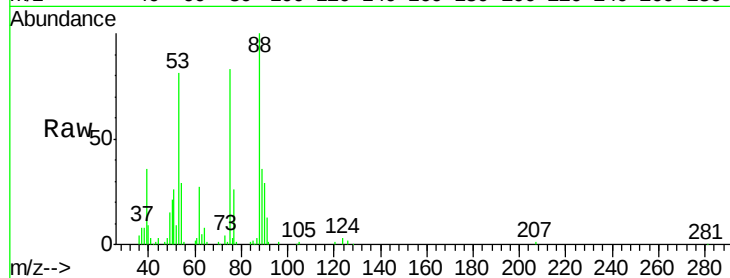




#81
trans-1,4-Dichloro-2-butene
Concen: 47.46 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

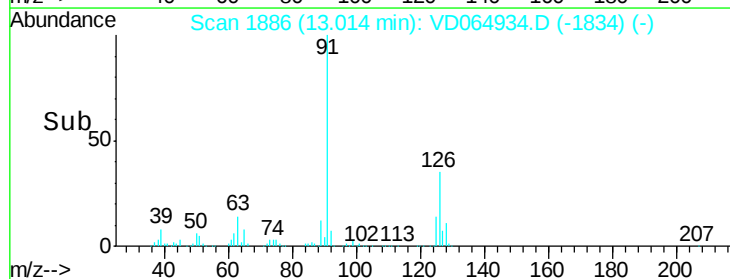
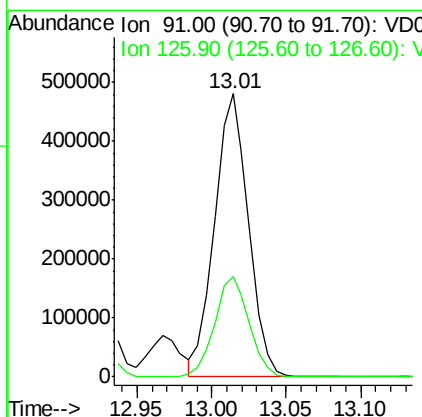
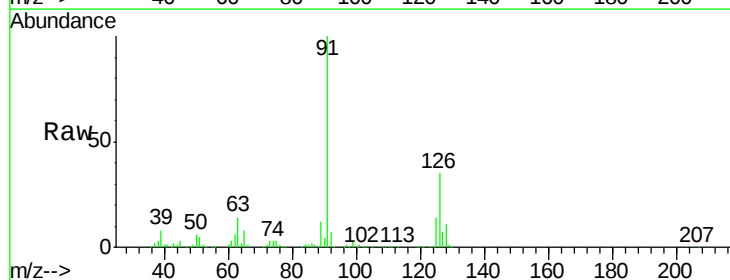
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

Tgt Ion: 75 Resp: 58979
Ion Ratio Lower Upper
75 100
53 101.8 81.0 121.4
89 47.2 36.2 54.4



#82
4-Chlorotoluene
Concen: 50.36 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion: 91 Resp: 761331
Ion Ratio Lower Upper
91 100
126 35.9 18.0 54.0

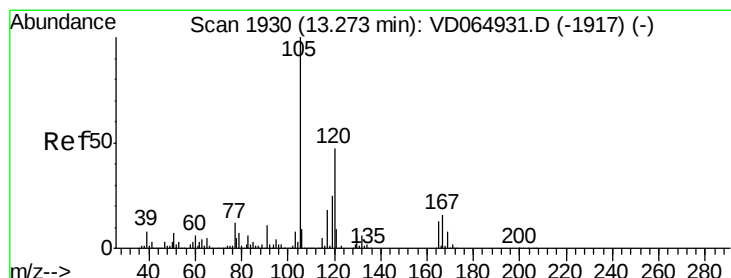
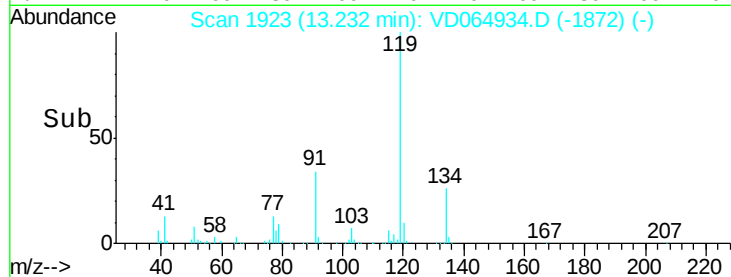
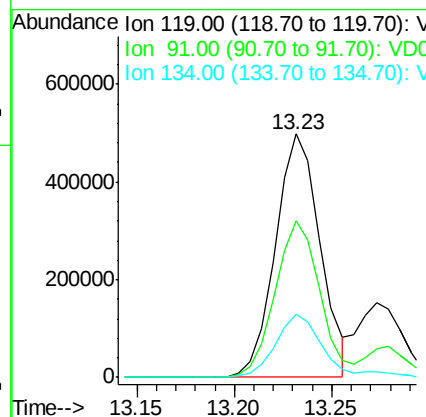
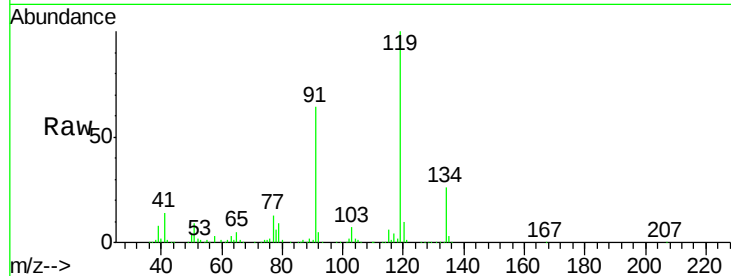




#83
tert-Butylbenzene
Concen: 52.01 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

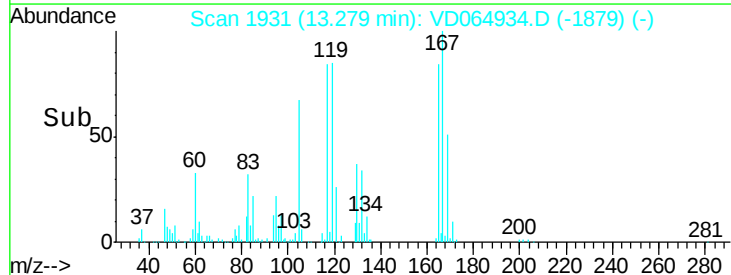
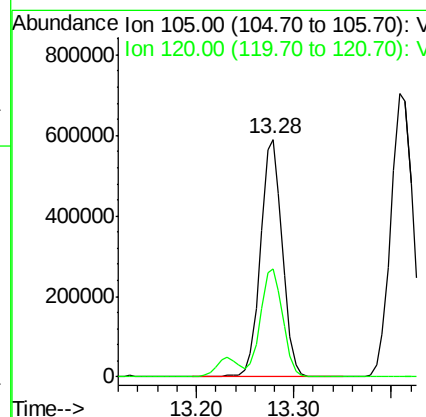
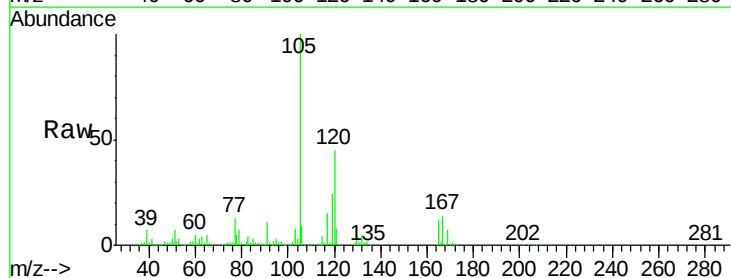
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012320

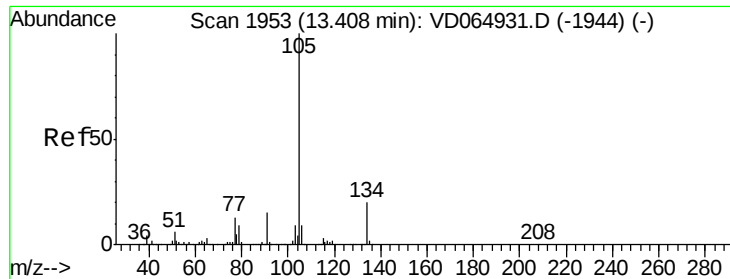
Tgt Ion:119 Resp: 790283
Ion Ratio Lower Upper
119 100
91 64.6 32.0 96.0
134 27.7 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 51.31 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064934.D
Acq: 23 Jan 2020 13:59

Tgt Ion:105 Resp: 930653
Ion Ratio Lower Upper
105 100
120 46.2 23.1 69.3

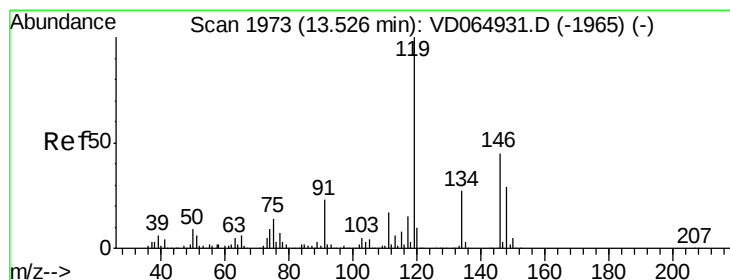
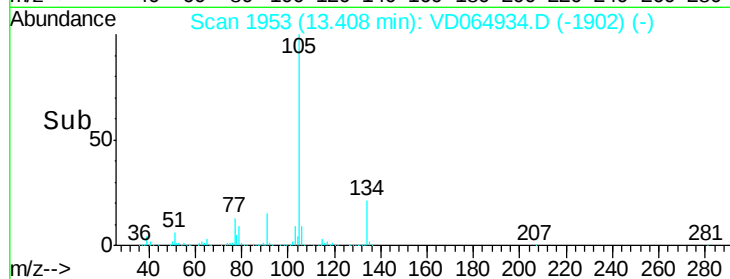
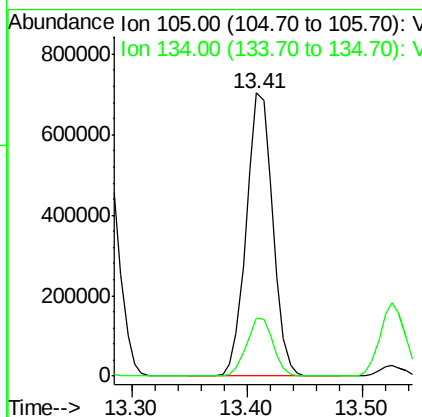
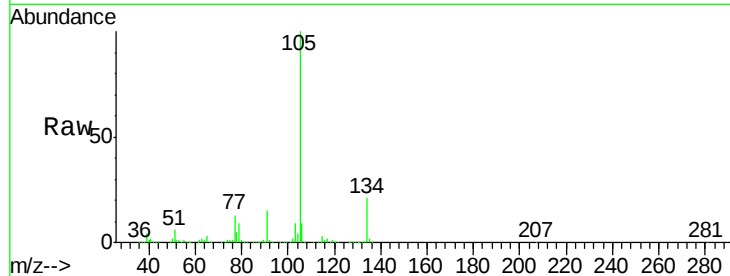




#85
 sec-Butylbenzene
 Concen: 52.13 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

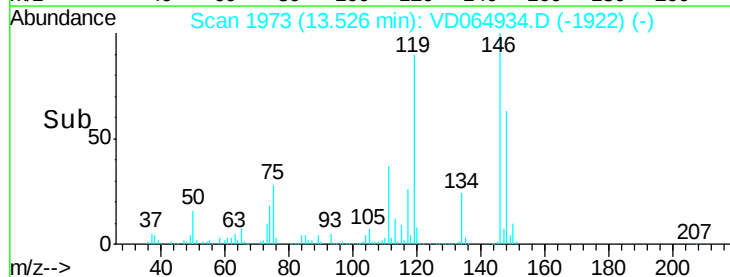
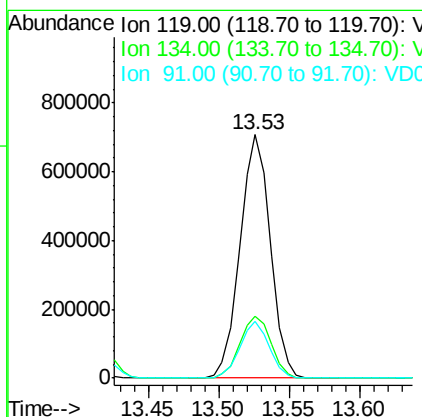
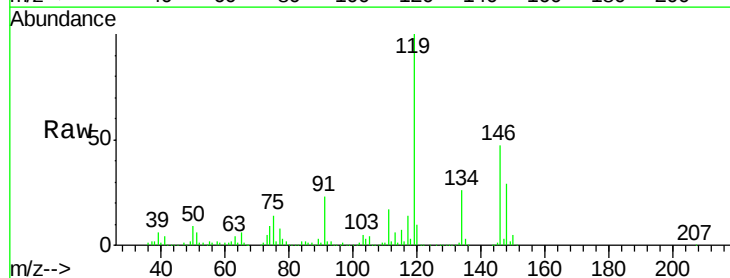
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

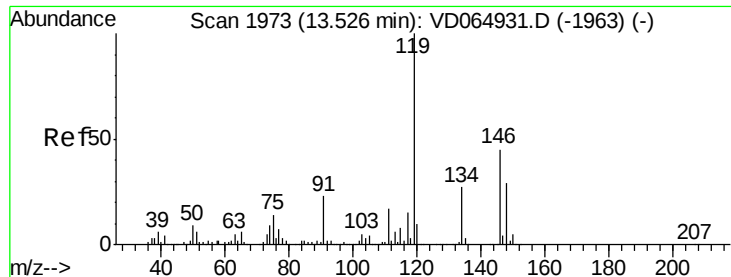
Tgt Ion:105 Resp: 1121520
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 52.75 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion:119 Resp: 1062060
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.9
 91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.55 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

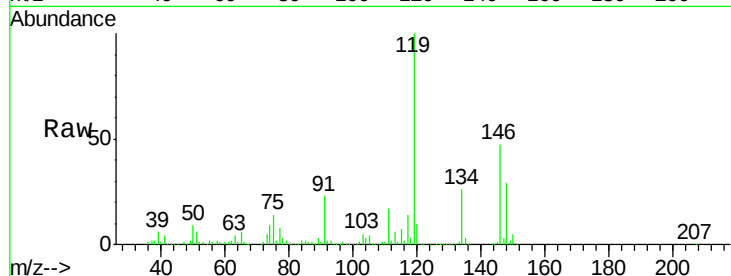
Tgt Ion:146 Resp: 518469

Ion Ratio Lower Upper

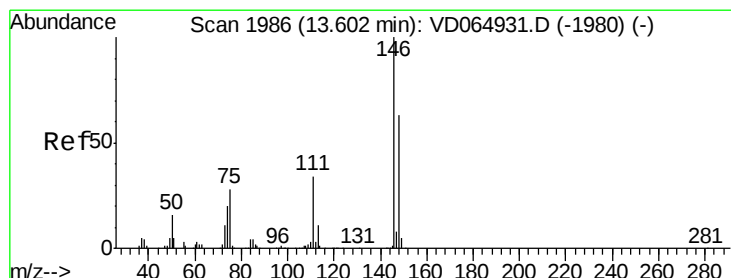
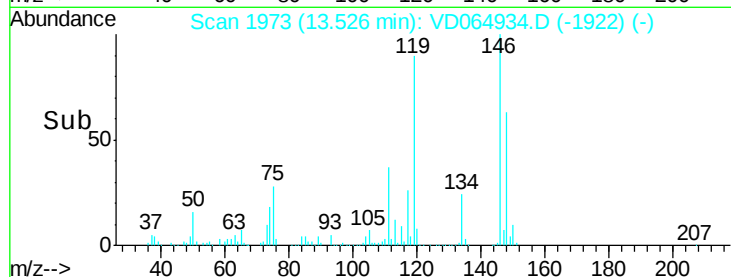
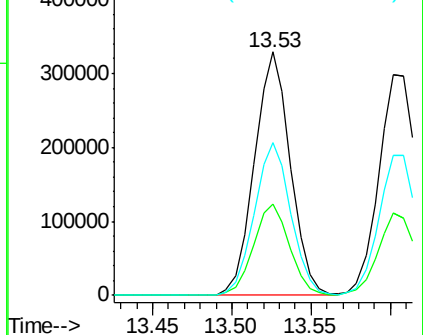
146 100

111 37.7 18.9 56.9

148 63.7 32.6 97.7



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



#88

1,4-Dichlorobenzene

Concen: 49.13 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

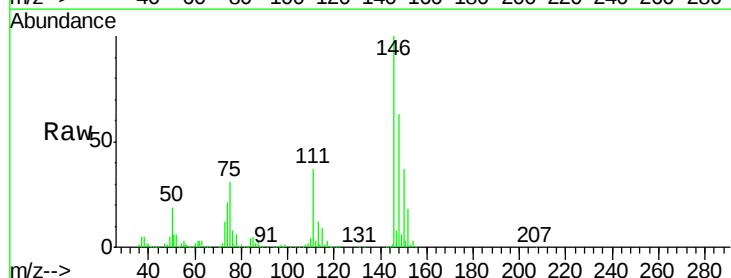
Tgt Ion:146 Resp: 500214

Ion Ratio Lower Upper

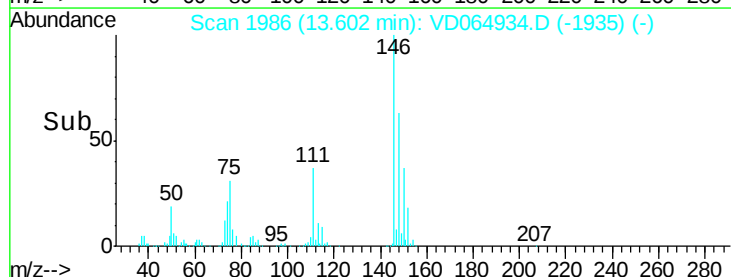
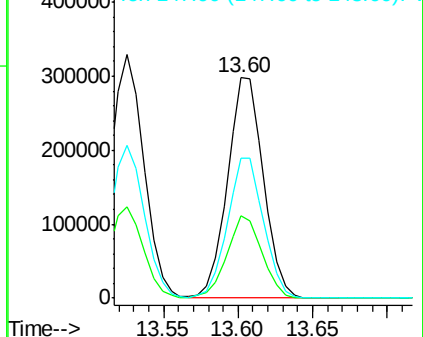
146 100

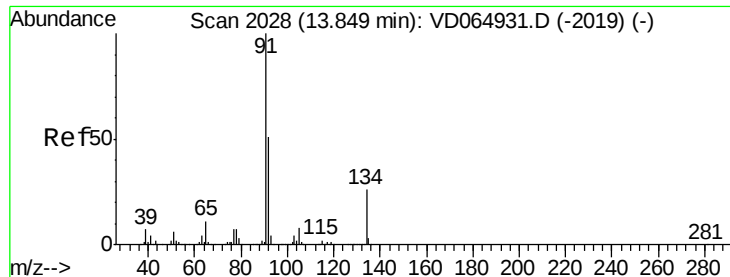
111 37.1 18.2 54.6

148 63.9 32.0 96.0



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





#89

n-Butylbenzene

Concen: 52.68 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

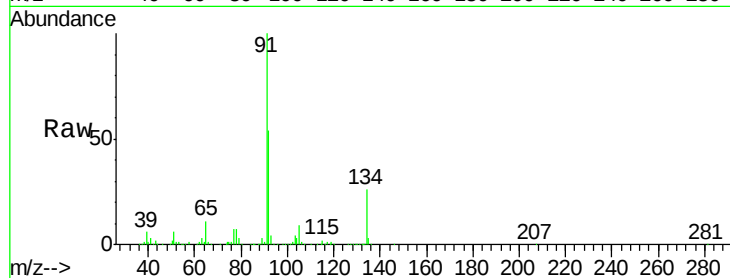
Tgt Ion: 91 Resp: 967967

Ion Ratio Lower Upper

91 100

92 53.6 26.4 79.0

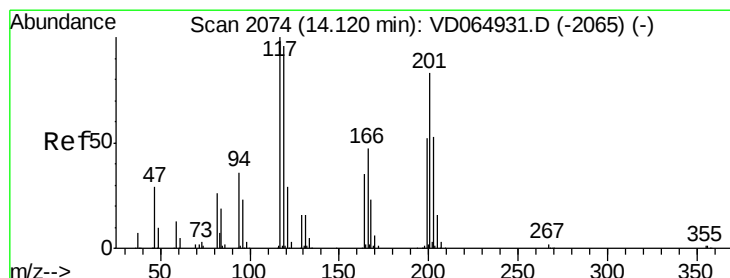
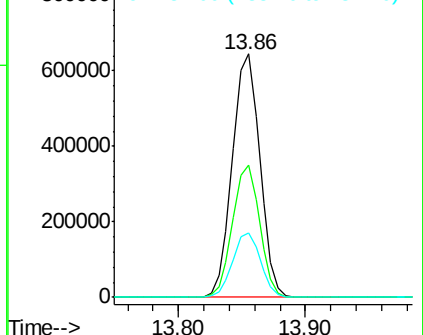
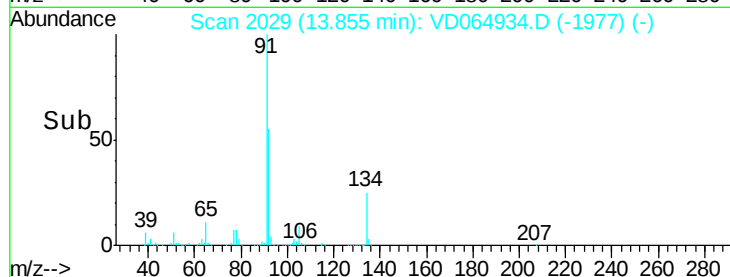
134 26.7 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 50.17 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064934.D

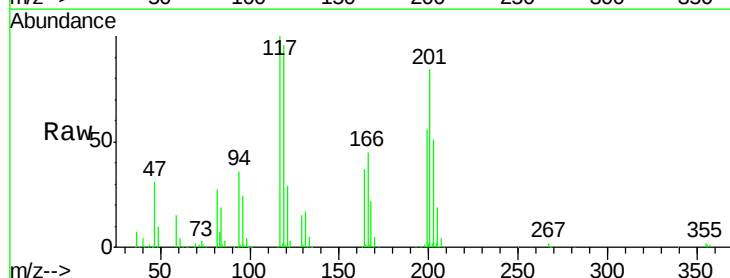
Acq: 23 Jan 2020 13:59

Tgt Ion: 117 Resp: 194797

Ion Ratio Lower Upper

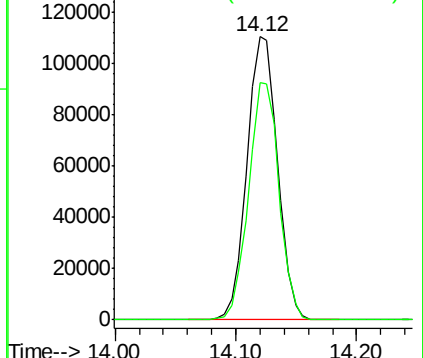
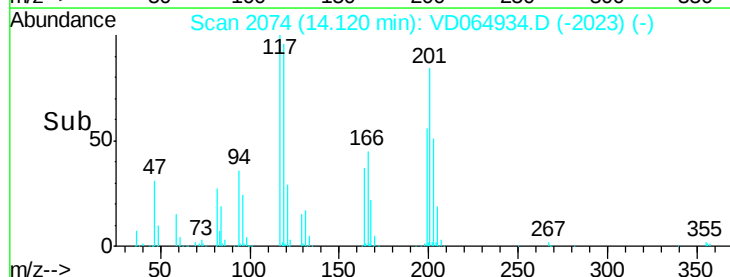
117 100

201 83.3 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

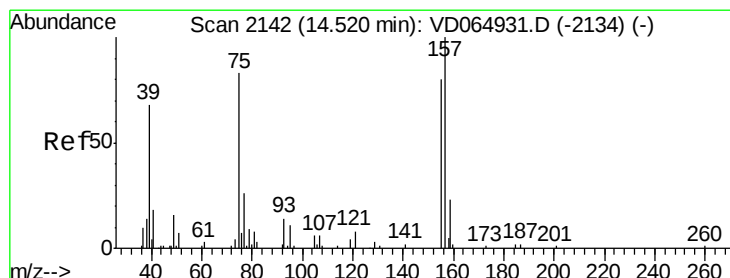
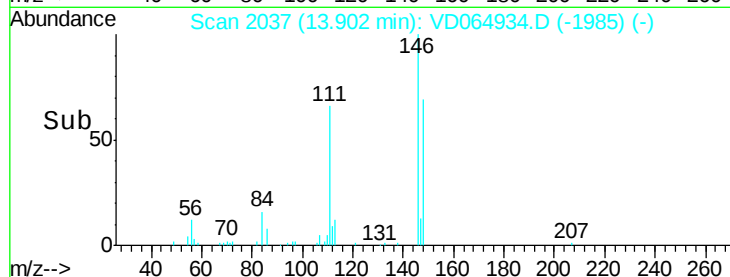
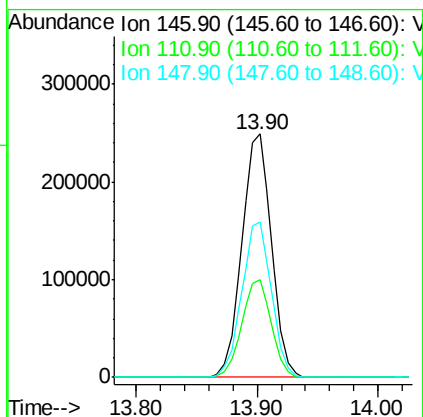
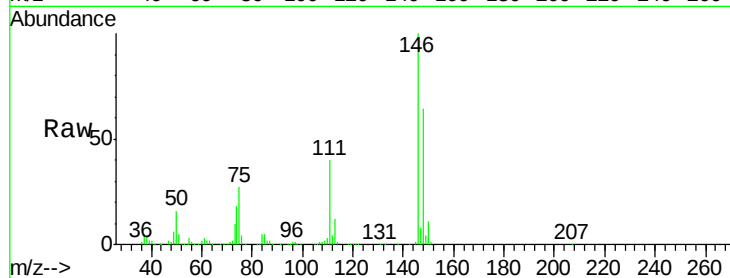




#91
 1,2-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

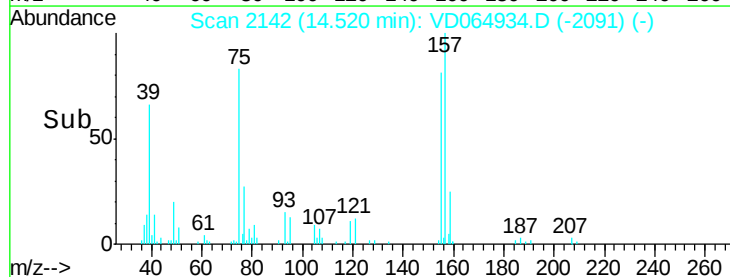
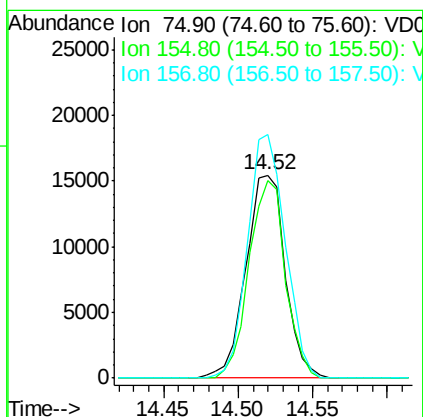
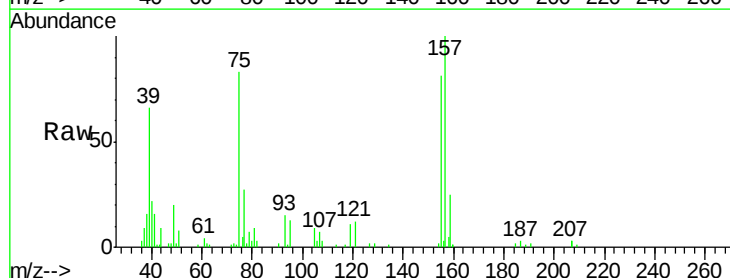
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

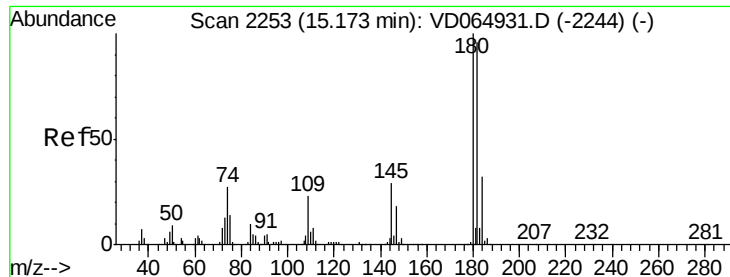
Tgt Ion: 146 Resp: 425137
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.4 58.2
 148 64.0 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.73 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion: 75 Resp: 28049
 Ion Ratio Lower Upper
 75 100
 155 89.6 44.9 134.7
 157 115.1 58.9 176.6

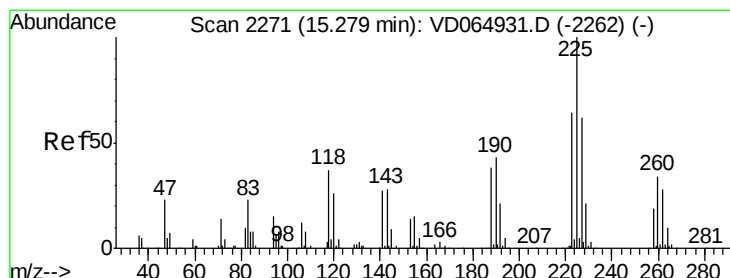
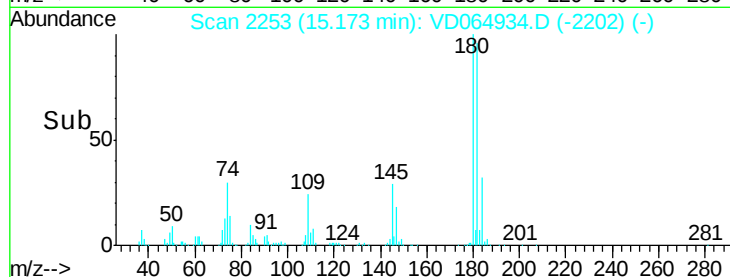
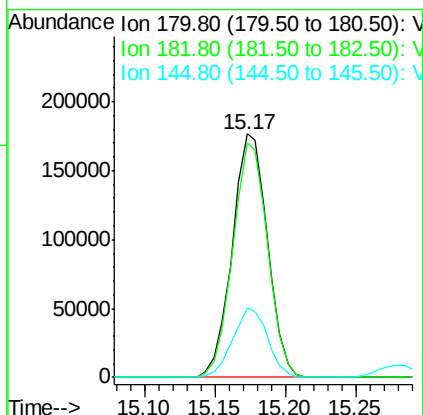
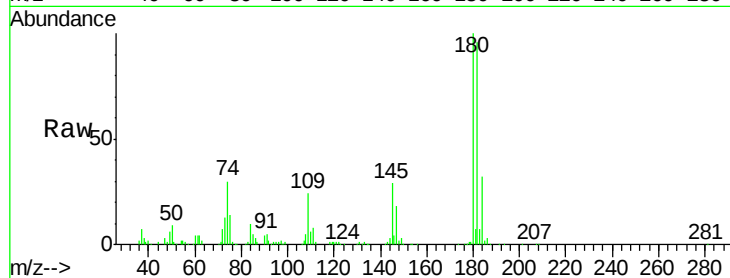




#93
 1,2,4-Trichlorobenzene
 Concen: 51.03 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

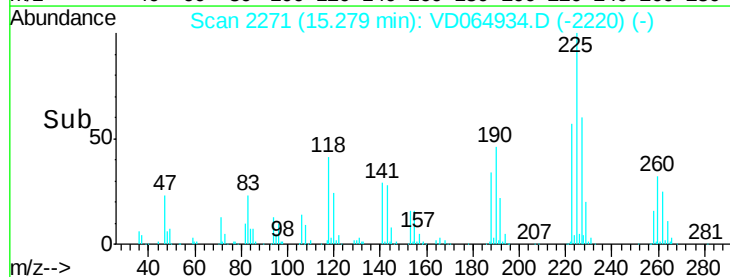
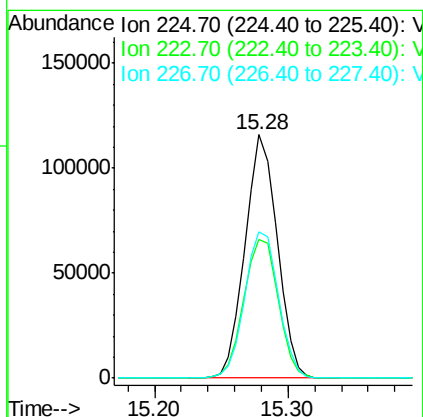
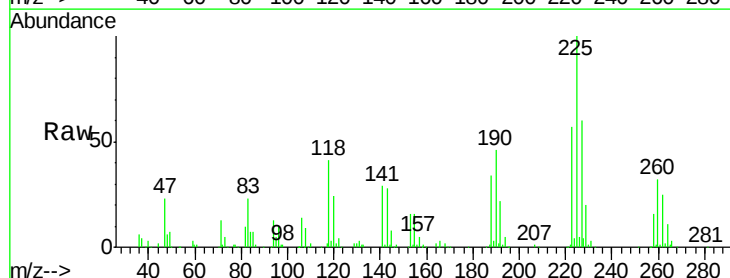
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012320

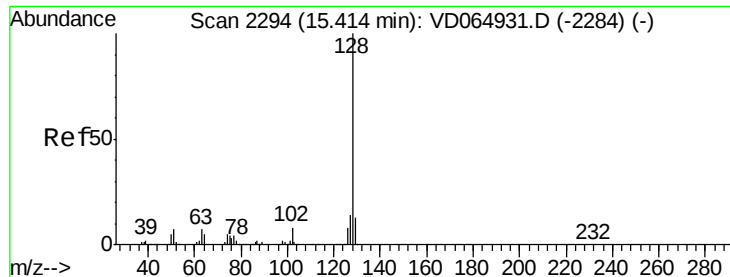
Tgt Ion:180 Resp: 307404
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.1 141.4
 145 28.3 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 50.76 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064934.D
 Acq: 23 Jan 2020 13:59

Tgt Ion:225 Resp: 193432
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.4 97.2
 227 62.9 31.9 95.9





#95

Naphthalene

Concen: 51.67 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012320

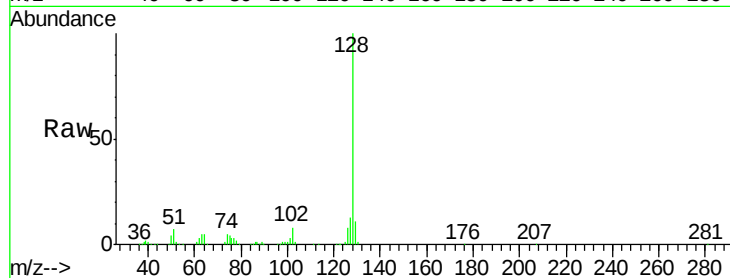
Tgt Ion:128 Resp: 502409

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

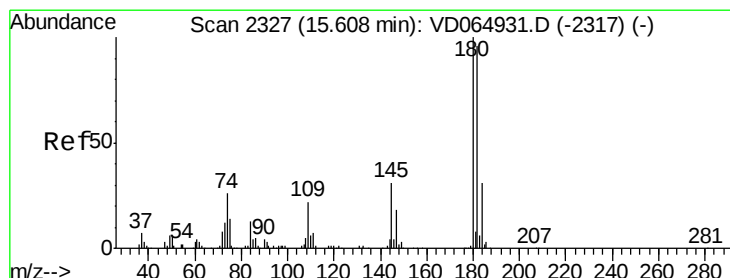
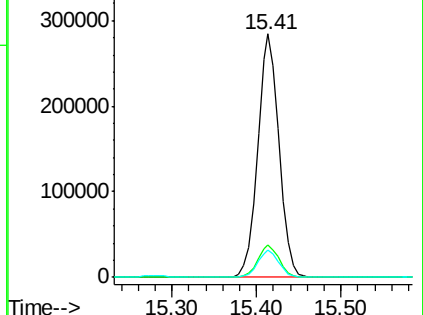
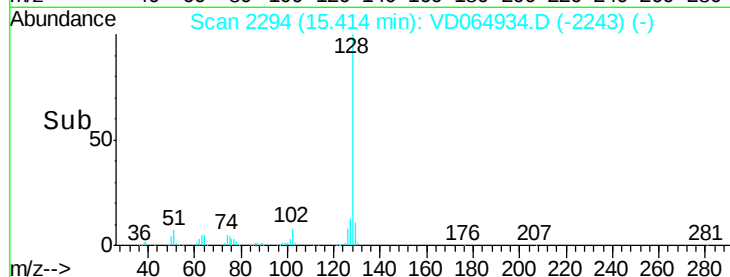
129 11.2 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.77 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064934.D

Acq: 23 Jan 2020 13:59

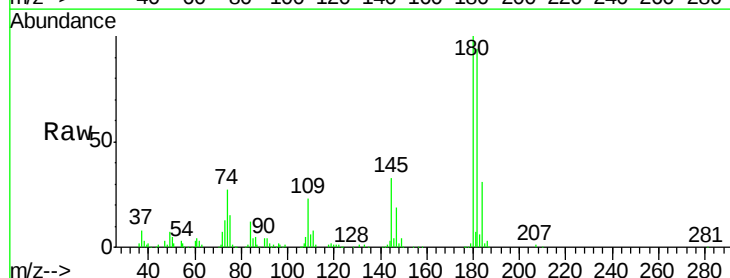
Tgt Ion:180 Resp: 265169

Ion Ratio Lower Upper

180 100

182 93.6 47.3 141.8

145 30.6 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

