

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
 Data File : VY003633.D
 Acq On : 01 Dec 2020 13:03
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV403

Quant Time: Dec 02 01:27:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 01 12:34:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	248023	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	231217	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	121082	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	77511	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
7) Chloroethane-d5	2.77	69	62207	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.96%
11) 1,1-Dichloroethene-d2	3.86	63	161639	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.24%
21) 2-Butanone-d5	6.90	46	73849	53.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.16%
24) Chloroform-d	7.48	84	161298	25.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.56%
26) 1,2-Dichloroethane-d4	8.15	65	86939	25.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.08%
32) Benzene-d6	8.11	84	336126	25.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.32%
36) 1,2-Dichloropropane-d6	9.12	67	103030	25.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.00%
41) Toluene-d8	10.18	98	302507	25.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.08%
43) trans-1,3-Dichloropropene-	10.43	79	49681	26.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.08%
47) 2-Hexanone-d5	10.79	63	57886	54.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.26%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	106175	26.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.92%
66) 1,2-Dichlorobenzene-d4	13.72	152	112224	26.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.91	85	73975	25.698	ug/L	100
3) Chloromethane	2.11	50	79423	25.441	ug/L	98
5) Vinyl chloride	2.25	62	87007	25.974	ug/L	98
6) Bromomethane	2.66	94	53899	25.698	ug/L	98
8) Chloroethane	2.80	64	53207	25.440	ug/L	98
9) Trichlorofluoromethane	3.13	101	133298	26.220	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	86150	25.386	ug/L	98
12) 1,1-Dichloroethene	3.88	96	83850	26.007	ug/L	93
13) Acetone	3.95	43	53261	53.418	ug/L	94
14) Carbon disulfide	4.20	76	276667	25.976	ug/L	100
15) Methyl Acetate	4.49	43	61078	25.438	ug/L	98
16) Methylene chloride	4.73	84	99139	23.679	ug/L	98
17) trans-1,2-Dichloroethene	5.23	96	90101	25.446	ug/L	96
18) Methyl tert-butyl Ether	5.23	73	232109	26.821	ug/L	99
19) 1,1-Dichloroethane	6.03	63	155455	26.081	ug/L	99
20) cis-1,2-Dichloroethene	7.00	96	97144	26.160	ug/L	96
22) 2-Butanone	7.00	43	86291	51.478	ug/L	100

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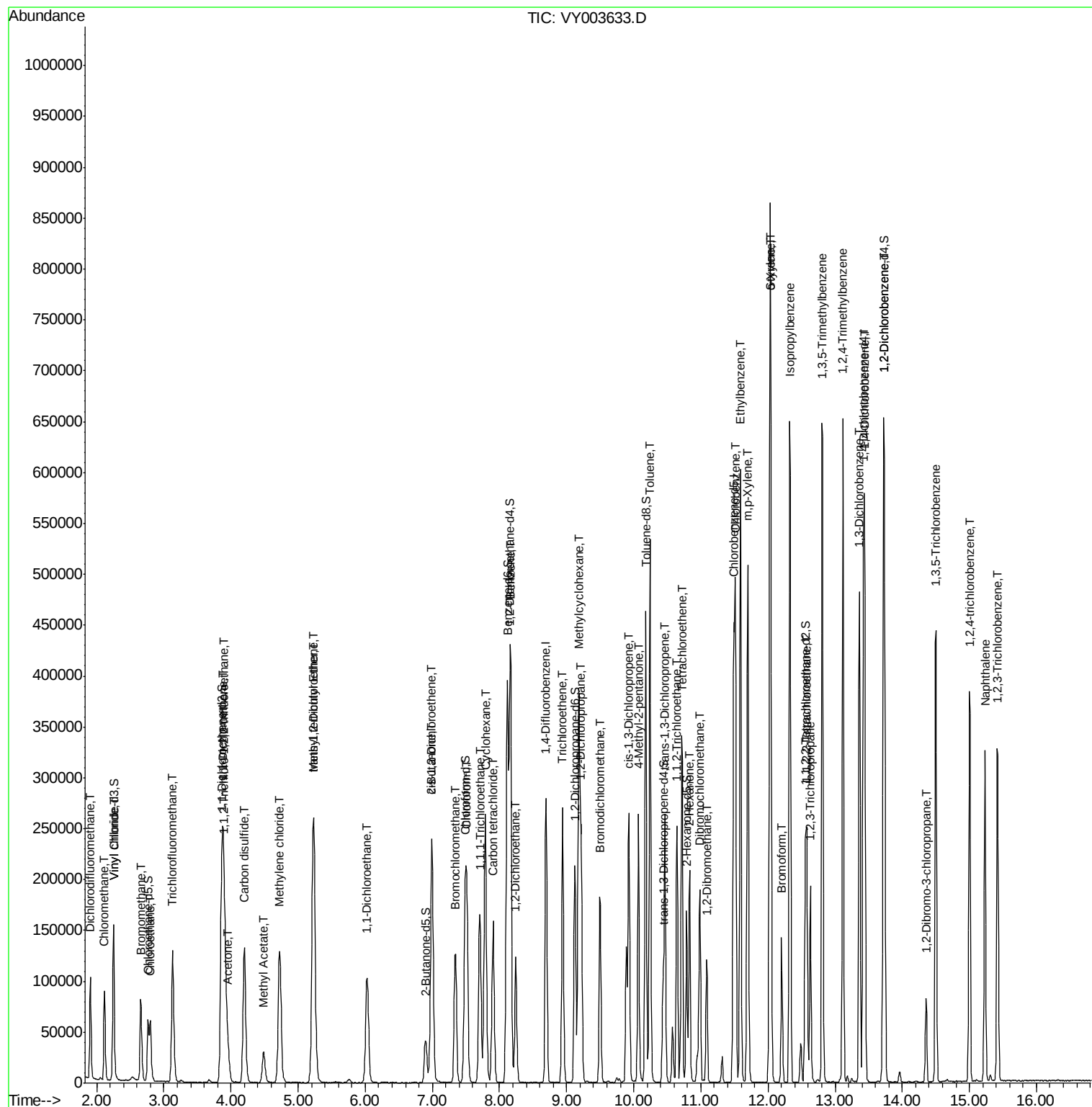
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	46929	25.914	ug/L	98
25) Chloroform	7.51	83	154705	25.907	ug/L	97
27) 1,2-Dichloroethane	8.24	62	104254	26.522	ug/L	98
29) Cyclohexane	7.79	56	146171	26.627	ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	135671	25.738	ug/L	99
31) Carbon tetrachloride	7.90	117	124007	26.064	ug/L	97
33) Benzene	8.17	78	367245	25.988	ug/L	100
34) Trichloroethene	8.94	95	90379	25.623	ug/L	96
35) Methylcyclohexane	9.18	83	157766	26.160	ug/L	99
37) 1,2-Dichloropropane	9.22	63	93674	26.115	ug/L	99
38) Bromodichloromethane	9.50	83	117932	26.118	ug/L	100
39) cis-1,3-Dichloropropene	9.93	75	148061	26.718	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	170314	54.079	ug/L	99
42) Toluene	10.24	91	394150	26.551	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	135895	26.566	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	77836	25.838	ug/L	99
46) Tetrachloroethene	10.72	164	78148	25.887	ug/L	97
48) 2-Hexanone	10.83	43	126343	54.954	ug/L	99
49) Dibromochloromethane	10.98	129	92126	26.463	ug/L	98
50) 1,2-Dibromoethane	11.09	107	75689	25.978	ug/L	99
51) Chlorobenzene	11.51	112	252143	26.362	ug/L	98
52) Ethylbenzene	11.59	91	420159	26.451	ug/L	98
53) m,p-Xylene	11.70	106	165190	26.592	ug/L	99
54) o-Xylene	12.03	106	156354	26.648	ug/L	96
55) Styrene	12.04	104	273803	27.275	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	104683	26.225	ug/L	99
59) Bromoform	12.20	173	63263	26.614	ug/L	99
60) Isopropylbenzene	12.32	105	415939	26.871	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	74542	25.744	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	337286	27.479	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	332483	27.416	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	197887	26.422	ug/L	96
65) 1,4-Dichlorobenzene	13.44	146	199125	26.166	ug/L	99
67) 1,2-Dichlorobenzene	13.73	146	183976	26.162	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	17457	25.981	ug/L	93
69) 1,3,5-Trichlorobenzene	14.50	180	139474	26.509	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	118438	26.429	ug/L	100
71) Naphthalene	15.23	128	264066	26.991	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	110981	26.964	ug/L	99

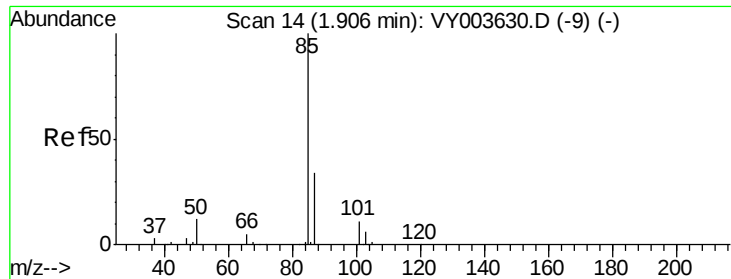
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#2

Dichlorodifluoromethane

Concen: 25.698 ug/L

RT: 1.91 min Scan# 14

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

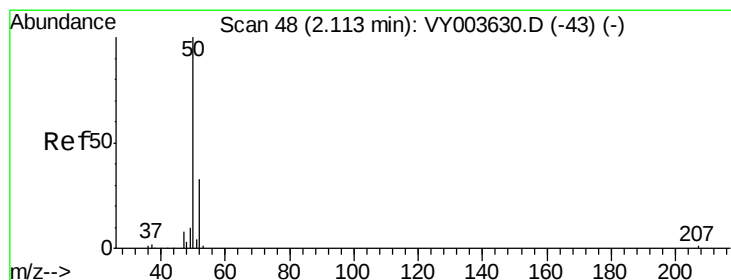
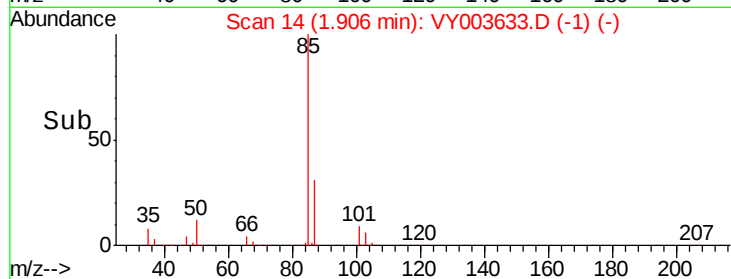
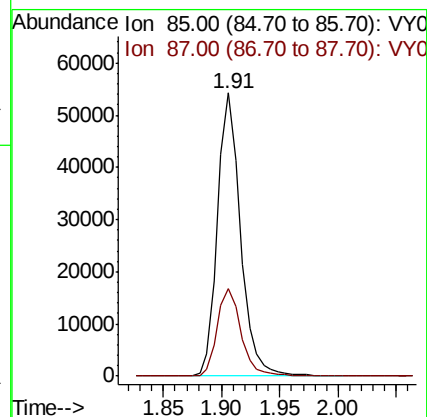
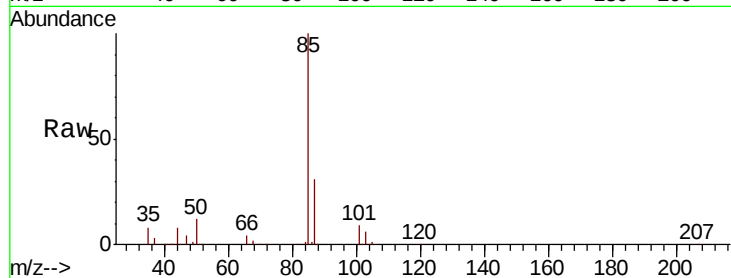
VICV403

Tot Ion: 85 Resp: 73975

Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.2



#3

Chloromethane

Concen: 25.441 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.00 min

Lab File: VY003633.D

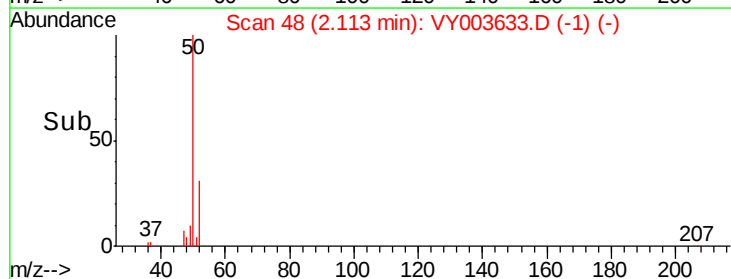
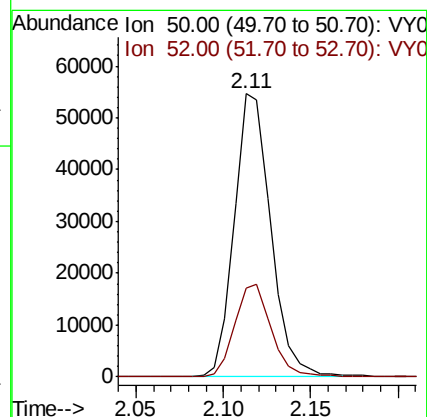
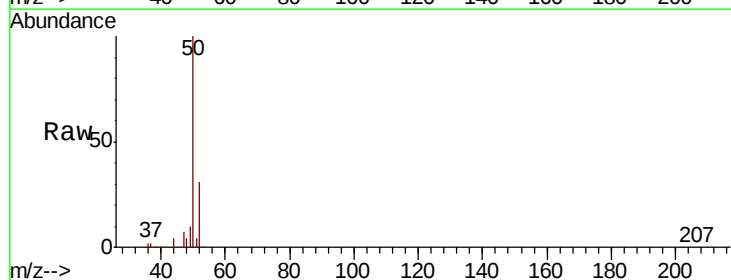
Acq: 01 Dec 2020 13:03

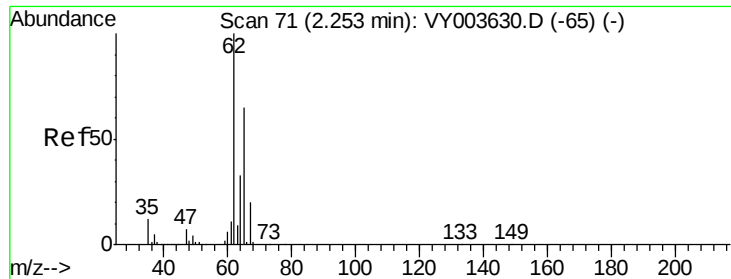
Tgt Ion: 50 Resp: 79423

Ion Ratio Lower Upper

50 100

52 31.3 22.7 42.3





#5

Vinyl chloride

Concen: 25.974 ug/L

RT: 2.25 min Scan# 71

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

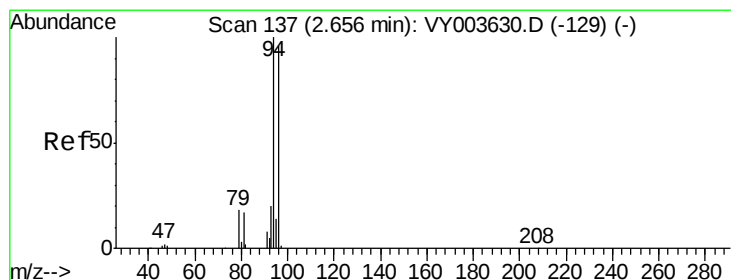
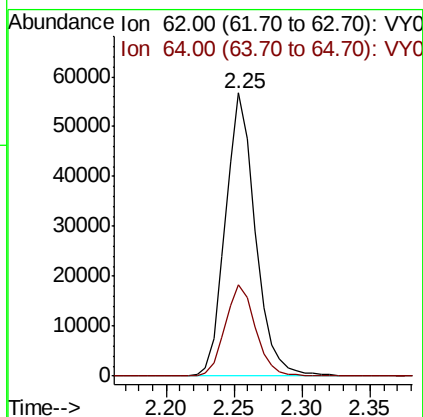
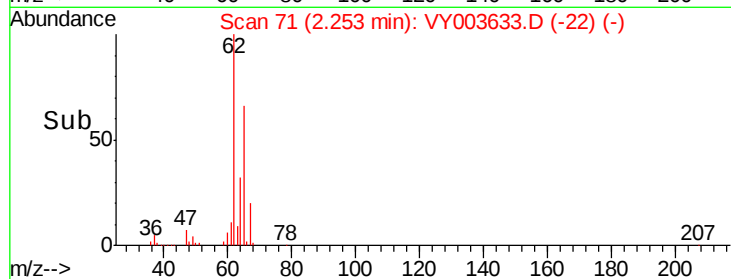
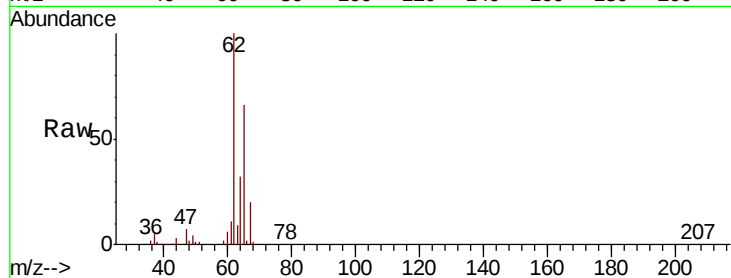
VICV403

Tot Ion: 62 Resp: 87007

Ion Ratio Lower Upper

62 100

64 32.2 21.9 40.7



#6

Bromomethane

Concen: 25.698 ug/L

RT: 2.66 min Scan# 137

Delta R.T. -0.01 min

Lab File: VY003633.D

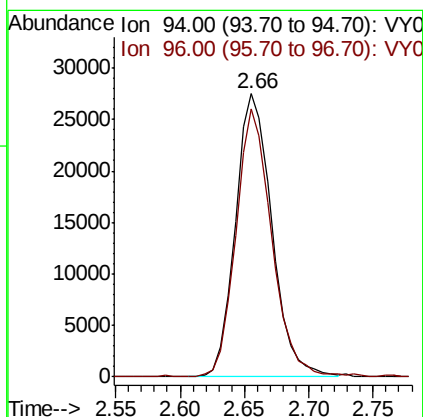
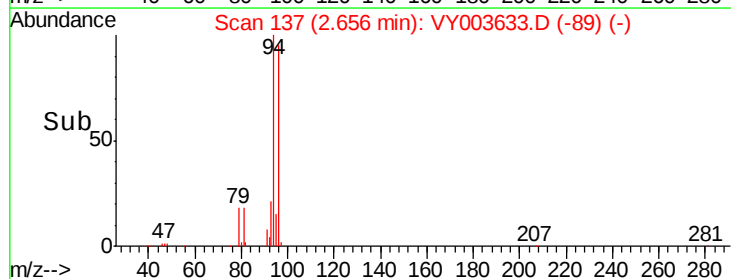
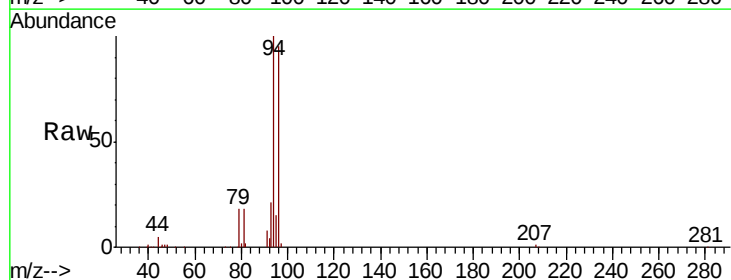
Acq: 01 Dec 2020 13:03

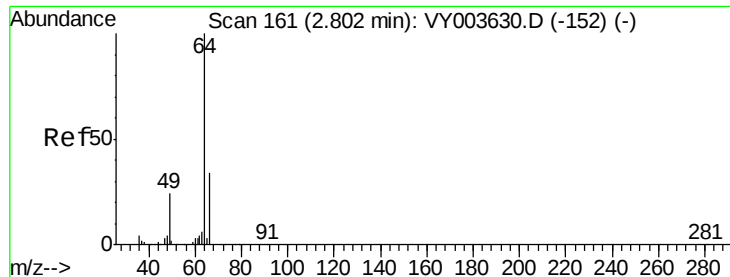
Tgt Ion: 94 Resp: 53899

Ion Ratio Lower Upper

94 100

96 94.8 65.2 121.0





#8

Chloroethane

Concen: 25.440 ug/L

RT: 2.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

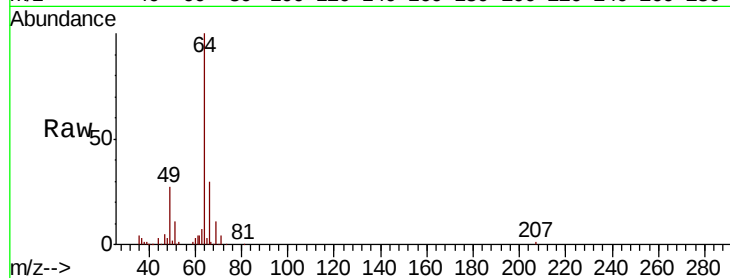
VICV403

Tot Ion: 64 Resp: 53207

Ion Ratio Lower Upper

64 100

66 30.3 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY003633.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VY003633.D (-152) (-)

2.80

25000

20000

15000

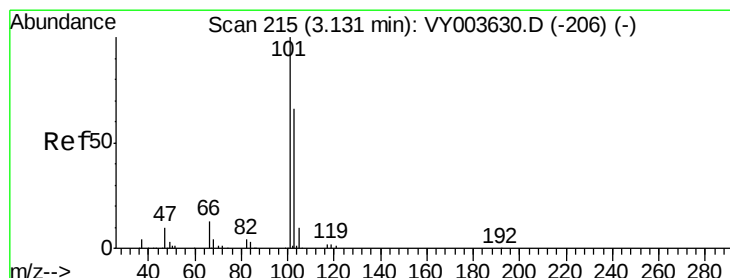
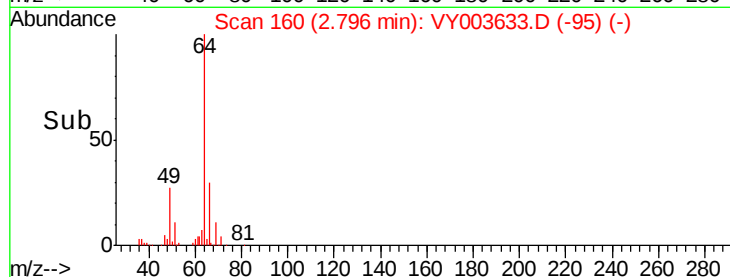
10000

5000

0

Time-->

2.70 2.75 2.80 2.85 2.90



#9

Trichlorofluoromethane

Concen: 26.220 ug/L

RT: 3.13 min Scan# 215

Delta R.T. -0.01 min

Lab File: VY003633.D

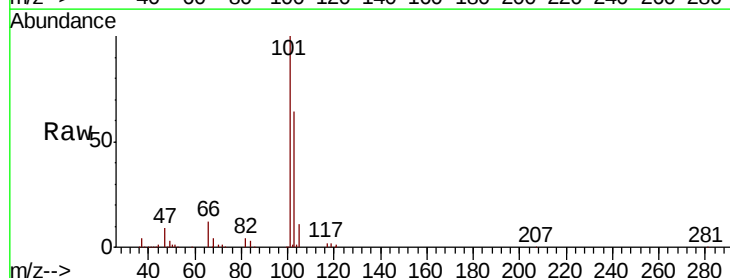
Acq: 01 Dec 2020 13:03

Tgt Ion: 101 Resp: 133298

Ion Ratio Lower Upper

101 100

103 65.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VY003633.D (-206) (-)

Ion 103.00 (102.70 to 103.70): VY003633.D (-206) (-)

3.13

60000

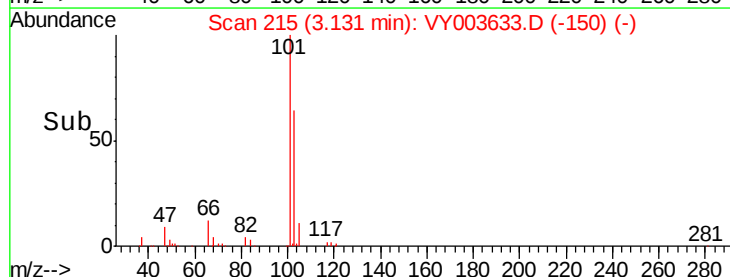
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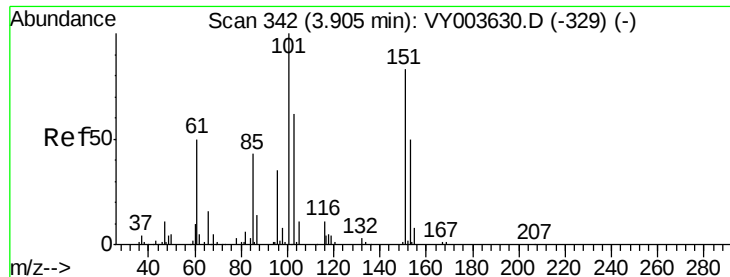
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0

Time-->

3.00 3.10 3.20





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.386 ug/L

RT: 3.91 min Scan# 342

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

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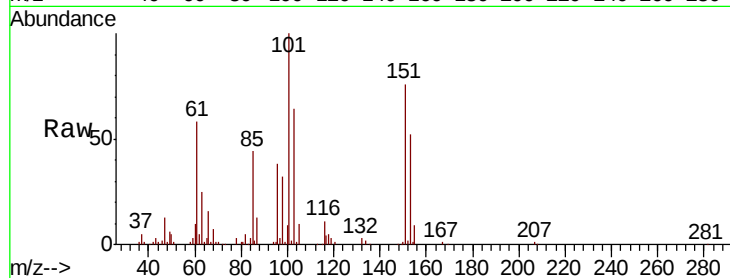
Tot Ion:101 Resp: 86150

Ion Ratio Lower Upper

101 100

85 42.5 35.6 53.4

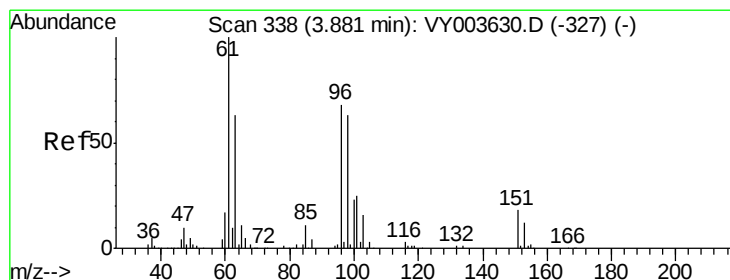
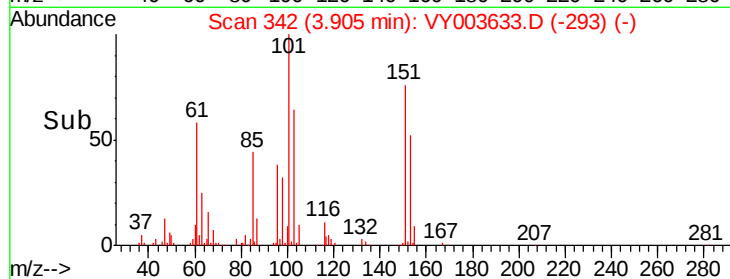
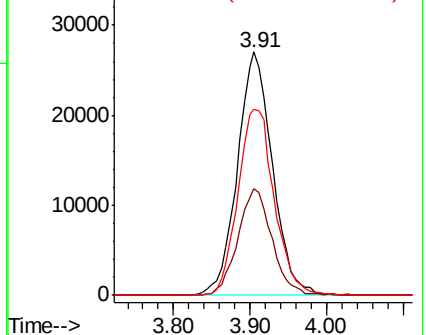
151 79.2 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VY003633.D (-293) (-)

Ion 85.00 (84.70 to 85.70): VY003633.D (-293) (-)

Ion 151.00 (150.70 to 151.70): VY003633.D (-293) (-)



#12

1,1-Dichloroethene

Concen: 26.007 ug/L

RT: 3.88 min Scan# 338

Delta R.T. -0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

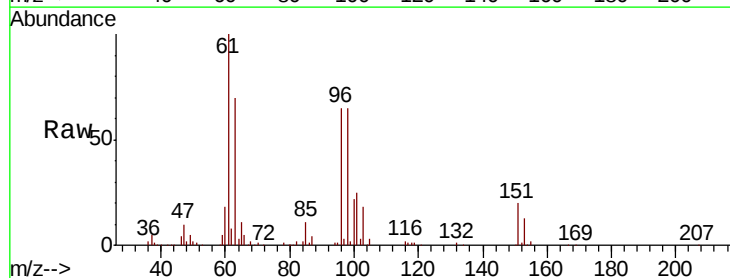
Tgt Ion: 96 Resp: 83850

Ion Ratio Lower Upper

96 100

61 152.8 106.1 197.1

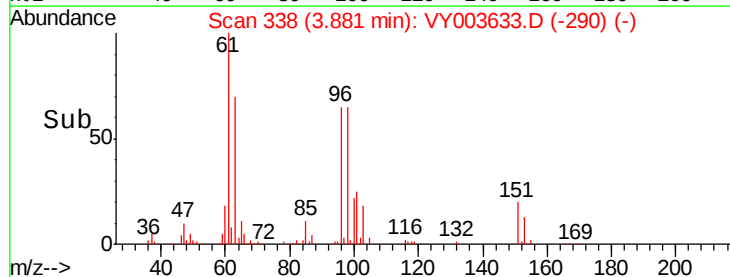
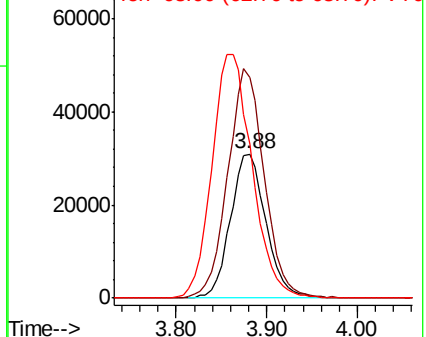
63 106.4 62.9 116.9

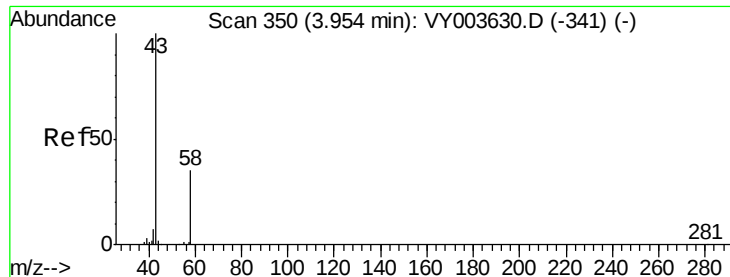


Abundance Ion 96.00 (95.70 to 96.70): VY003633.D (-290) (-)

Ion 61.00 (60.70 to 61.70): VY003633.D (-290) (-)

Ion 63.00 (62.70 to 63.70): VY003633.D (-290) (-)





#13

Acetone

Concen: 53.418 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.02 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

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ClientSampleId :

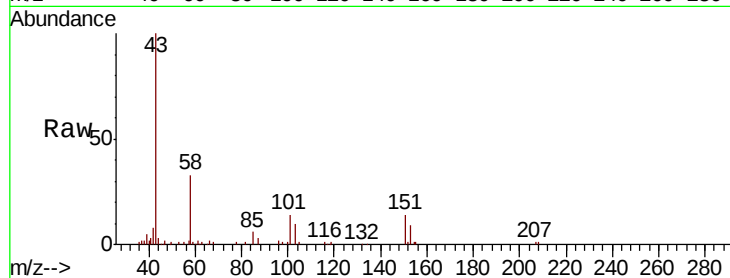
VICV403

Tot Ion: 43 Resp: 53261

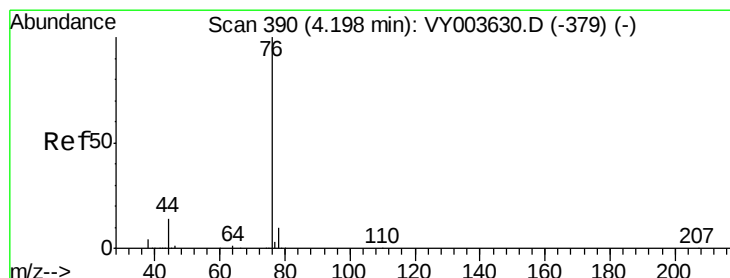
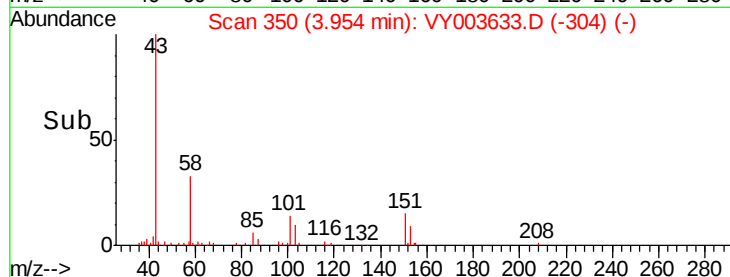
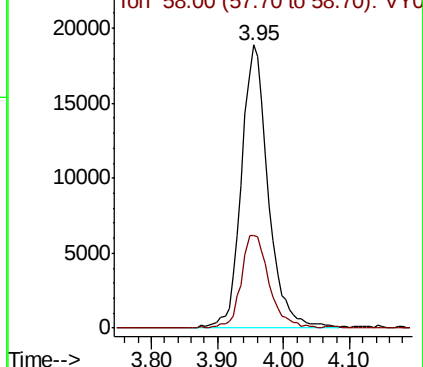
Ion Ratio Lower Upper

43 100

58 33.9 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VY003633.D (-341) (-)



#14

Carbon disulfide

Concen: 25.976 ug/L

RT: 4.20 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY003633.D

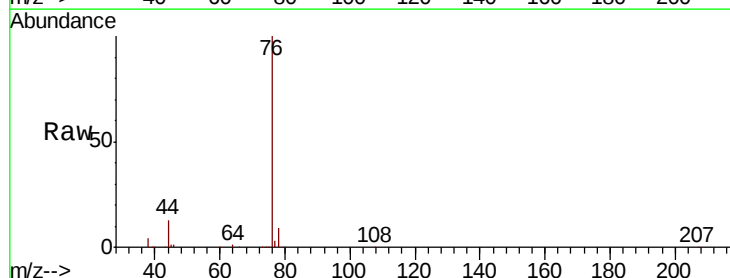
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Tgt Ion: 76 Resp: 276667

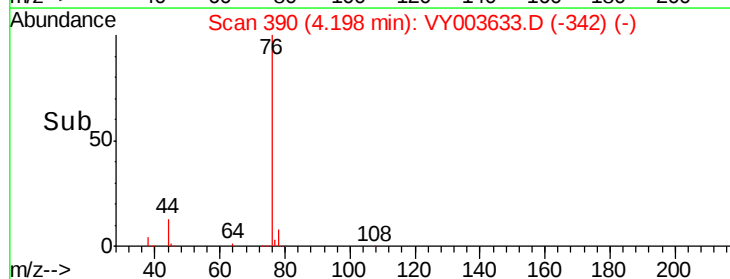
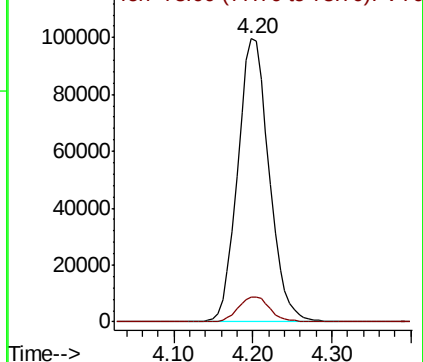
Ion Ratio Lower Upper

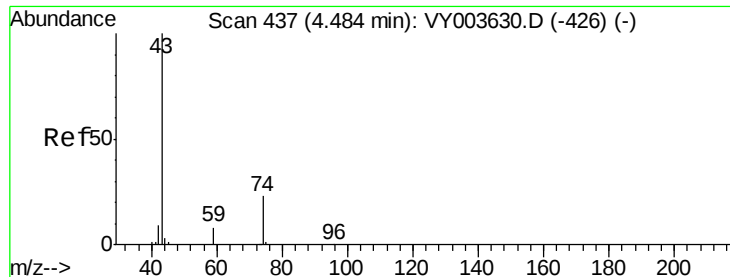
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY003633.D (-342) (-)





#15

Methyl Acetate

Concen: 25.438 ug/L

RT: 4.49 min Scan# 438

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

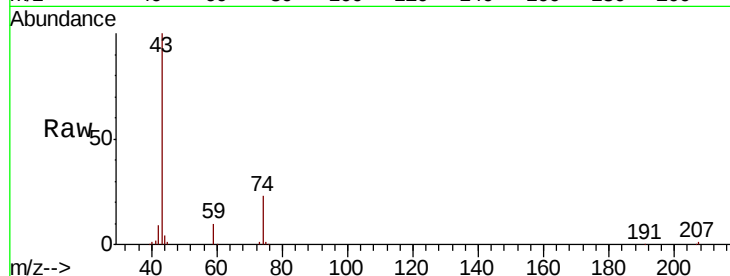
VICV403

Tot Ion: 43 Resp: 61078

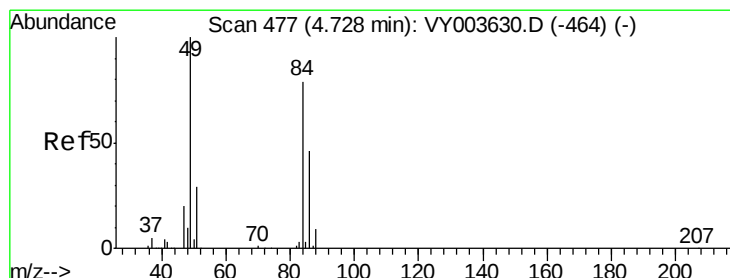
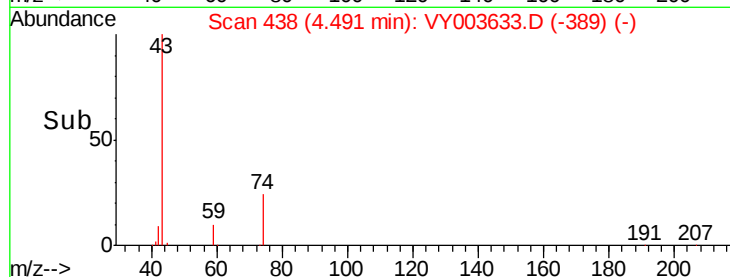
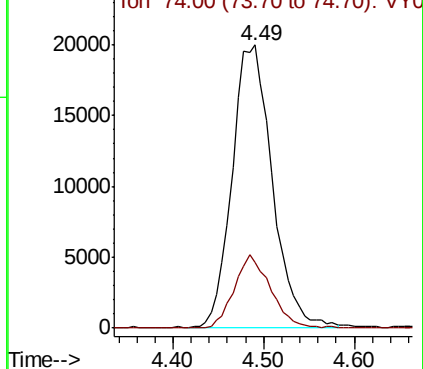
Ion Ratio Lower Upper

43 100

74 23.5 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY003633.D (-426) (-)



#16

Methylene chloride

Concen: 23.679 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

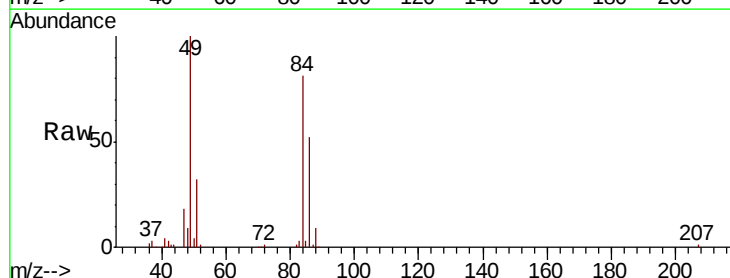
Tgt Ion: 84 Resp: 99139

Ion Ratio Lower Upper

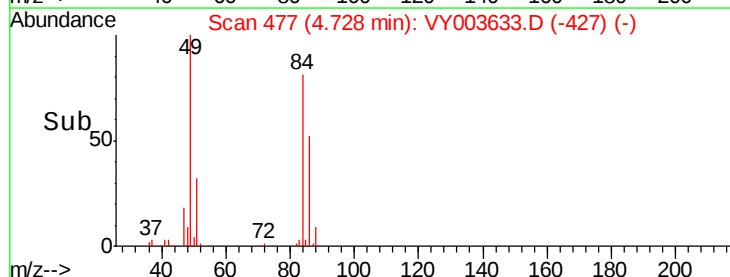
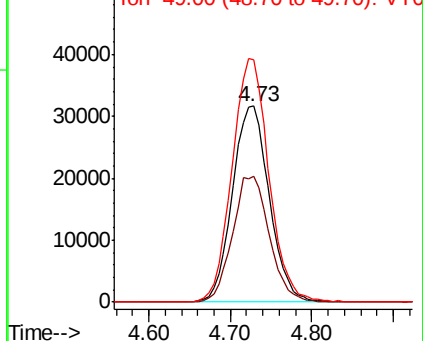
84 100

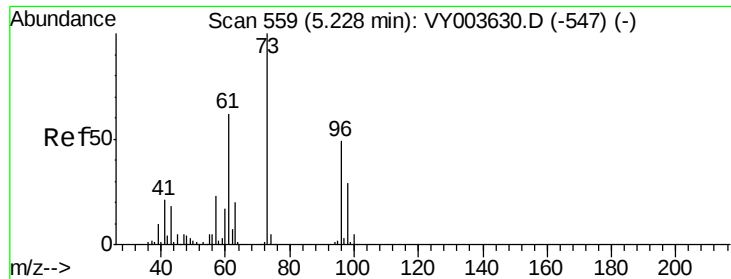
86 64.3 43.3 80.3

49 123.4 85.3 158.5



Abundance Ion 84.00 (83.70 to 84.70): VY003633.D (-464) (-)





#17

trans-1,2-Dichloroethene

Concen: 25.446 ug/L

RT: 5.23 min Scan# 560

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampled :

VICV403

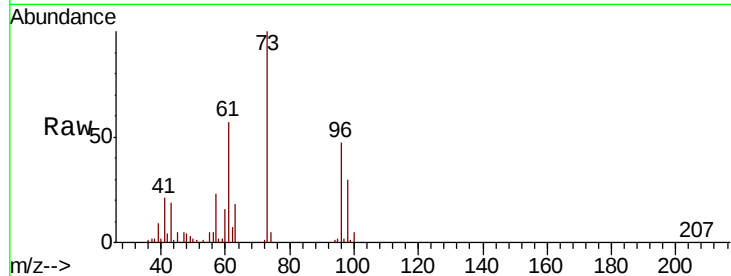
Tot Ion: 96 Resp: 90101

Ion Ratio Lower Upper

96 100

61 121.8 89.5 166.1

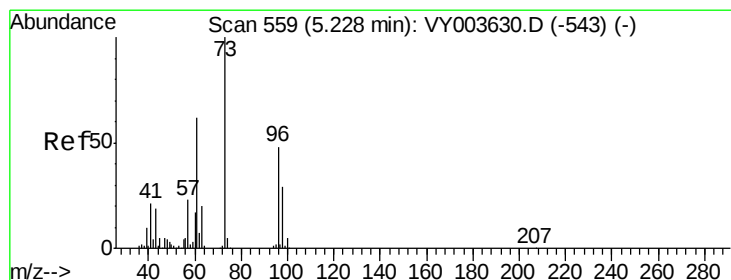
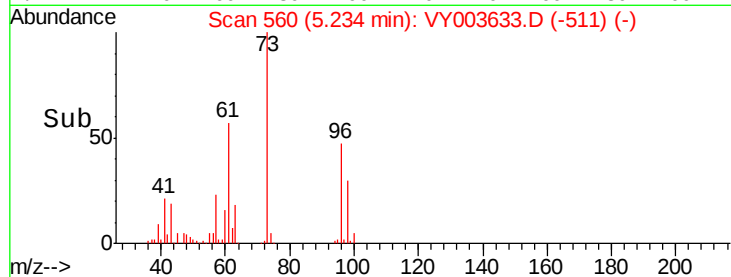
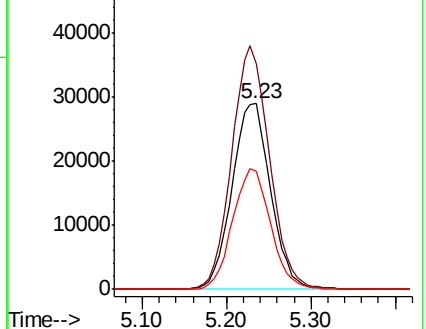
98 63.3 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 26.821 ug/L

RT: 5.23 min Scan# 559

Delta R.T. -0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

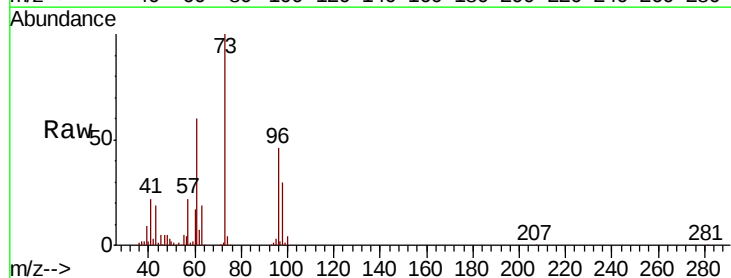
Tgt Ion: 73 Resp: 232109

Ion Ratio Lower Upper

73 100

43 18.6 15.2 22.8

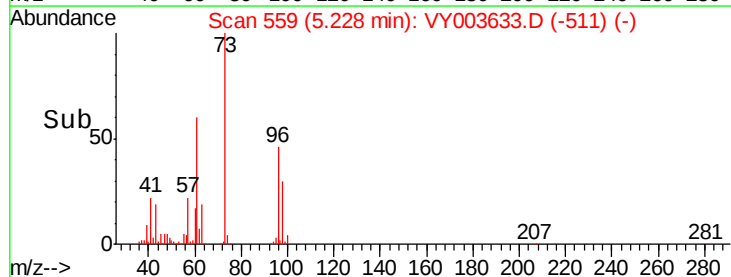
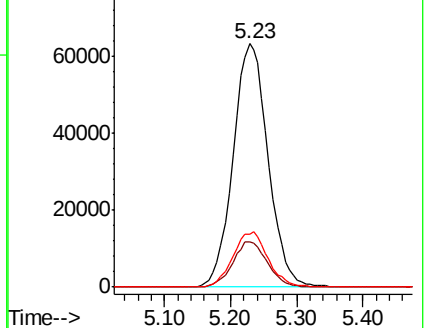
57 22.8 18.1 27.1

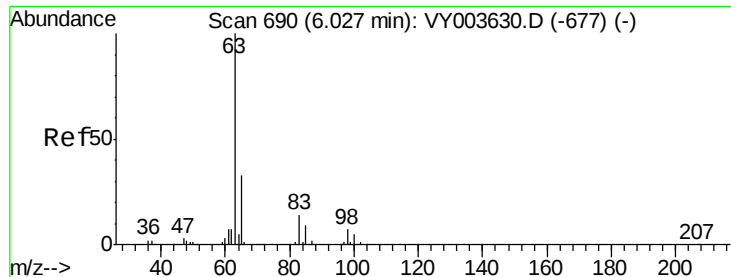


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

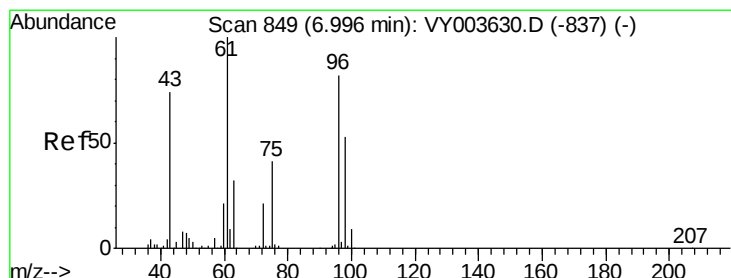
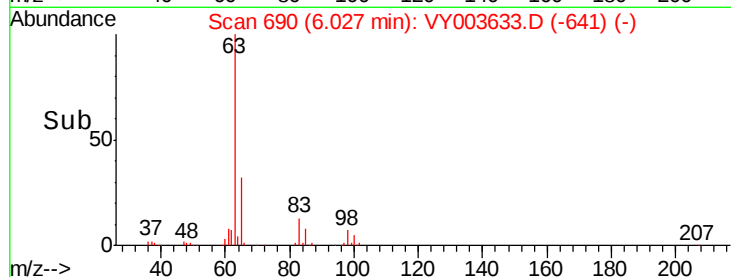
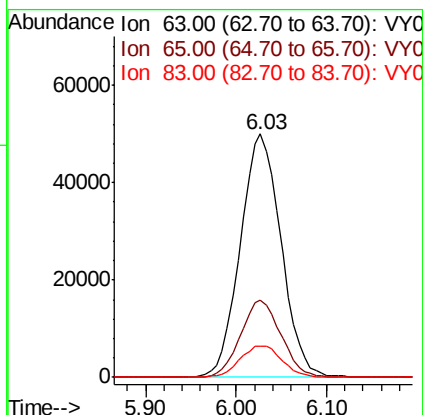
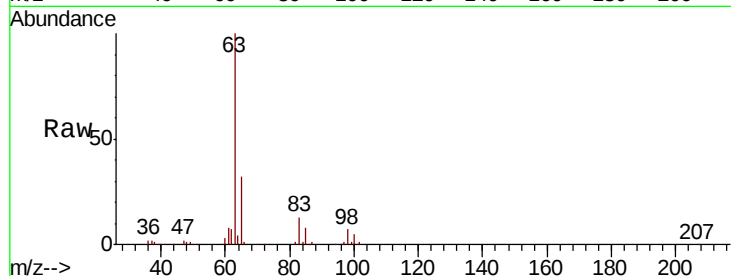




#19
 1,1-Dichloroethane
 Concen: 26.081 ug/L
 RT: 6.03 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

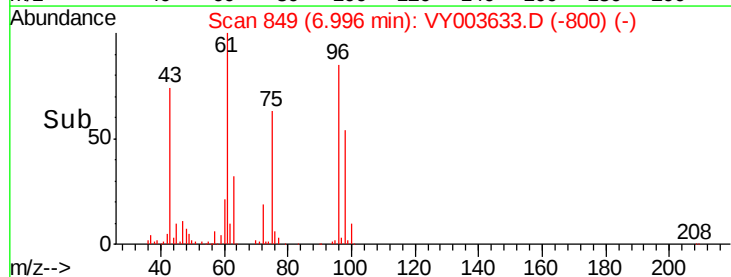
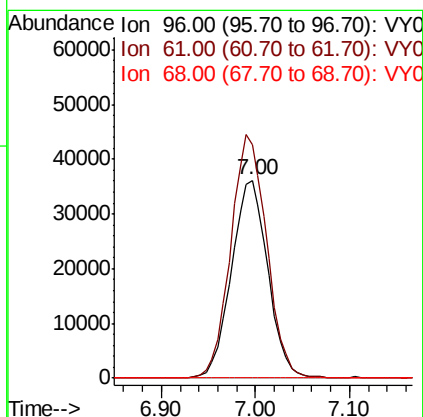
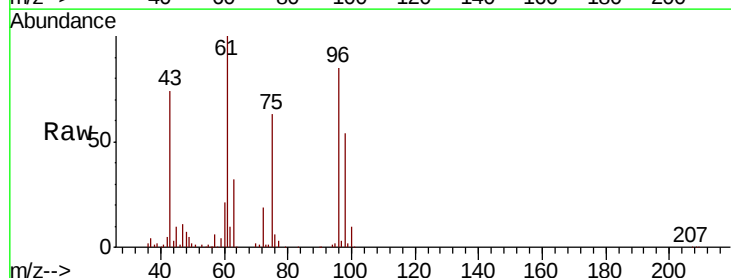
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV403

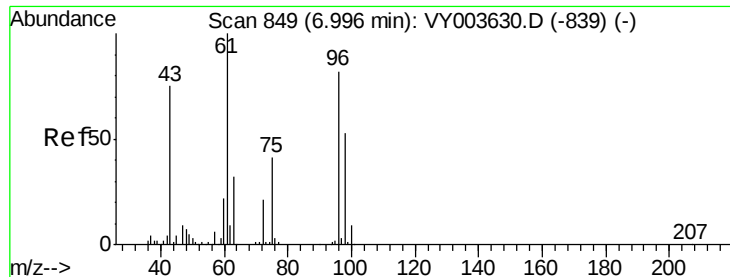
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.9	40.7
83	12.8	9.5	17.7



#20
 cis-1,2-Dichloroethene
 Concen: 26.160 ug/L
 RT: 7.00 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.1	85.8	159.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 51.478 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

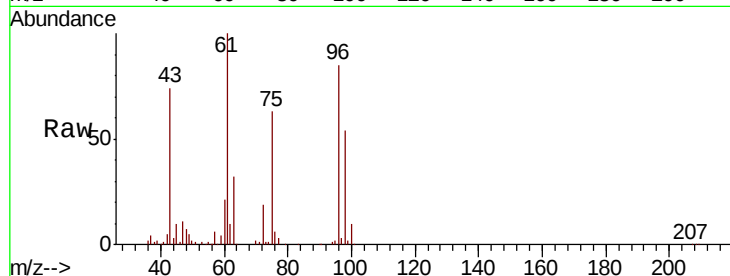
VICV403

Tot Ion: 43 Resp: 86291

Ion Ratio Lower Upper

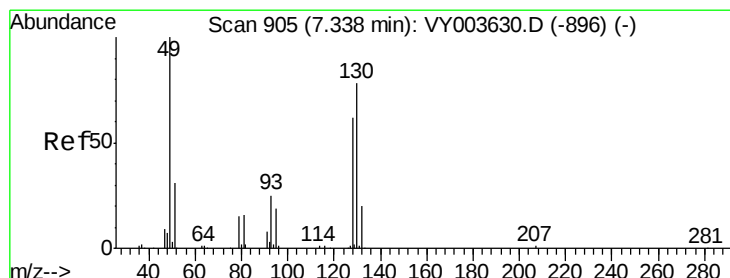
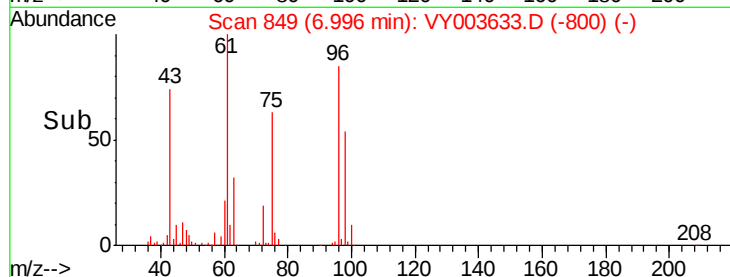
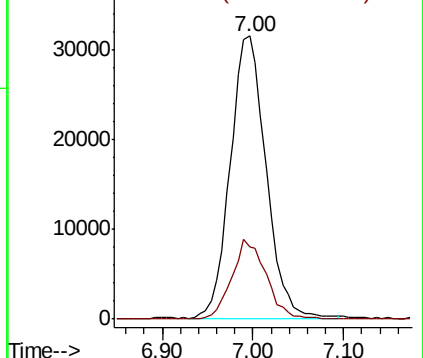
43 100

72 27.1 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#23

Bromochloromethane

Concen: 25.914 ug/L

RT: 7.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Tgt Ion:128 Resp: 46929

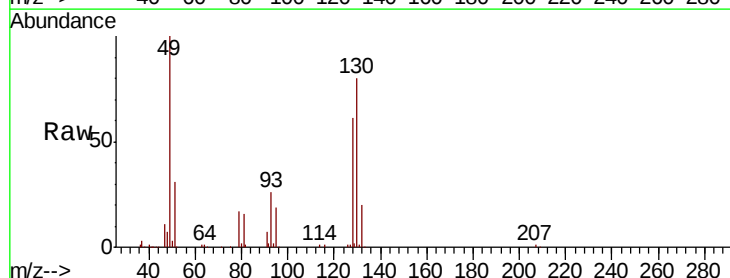
Ion Ratio Lower Upper

128 100

49 164.1 118.1 219.3

130 130.9 90.5 168.1

51 51.0 41.3 61.9

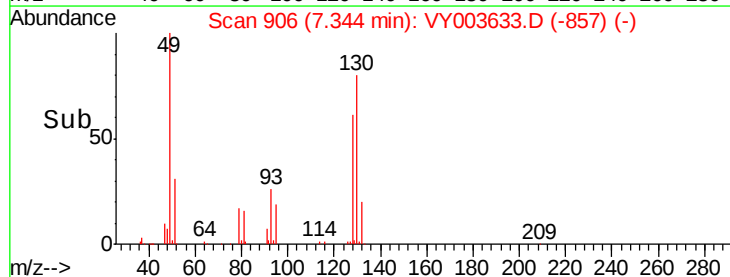
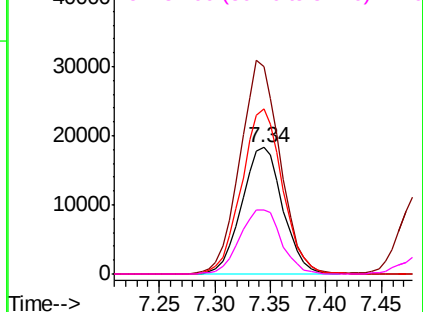


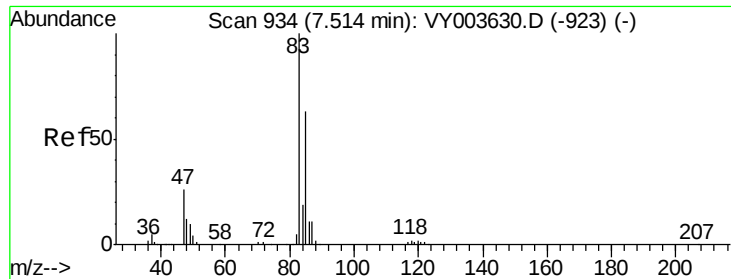
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VY0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VY0

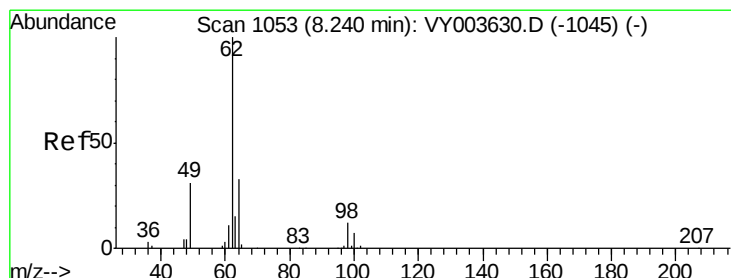
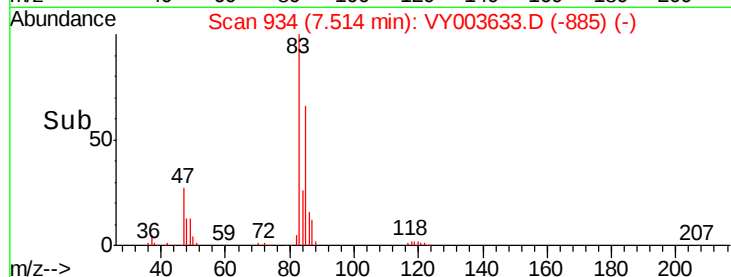
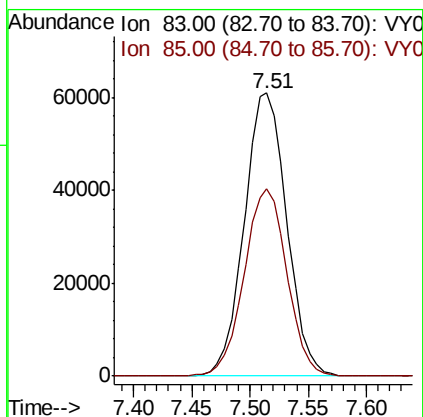
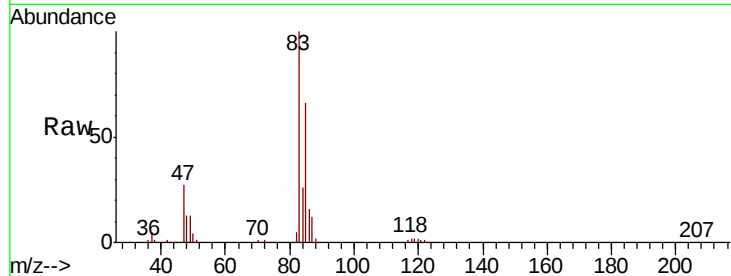




#25
Chloroform
Concen: 25.907 ug/L
RT: 7.51 min Scan# 934
Delta R.T. -0.00 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

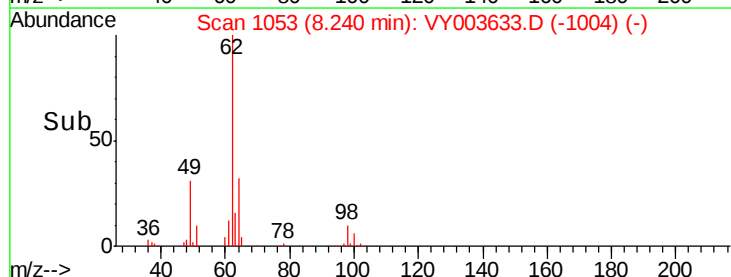
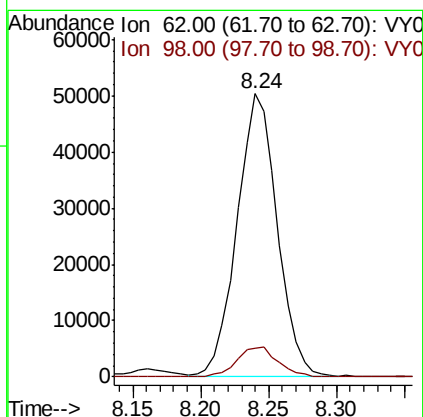
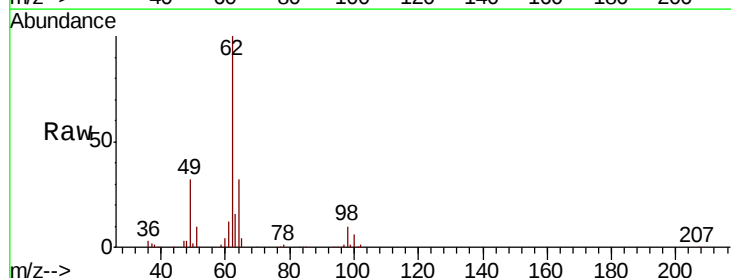
Instrument :
MSVOA_Y
ClientSampleId :
VICV403

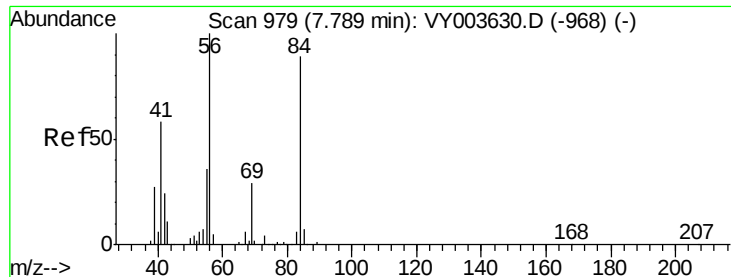
Tot Ion: 83 Resp: 154705
Ion Ratio Lower Upper
83 100
85 66.0 44.4 82.4



#27
1,2-Dichloroethane
Concen: 26.522 ug/L
RT: 8.24 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

Tgt Ion: 62 Resp: 104254
Ion Ratio Lower Upper
62 100
98 10.0 7.5 11.3

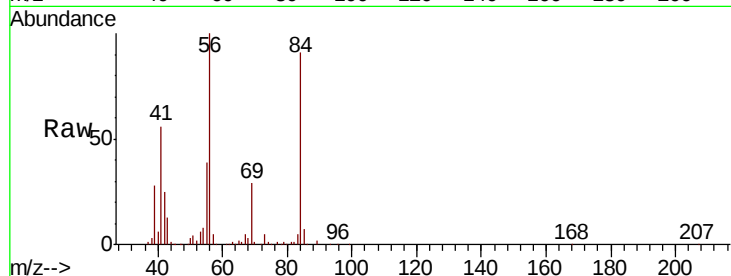




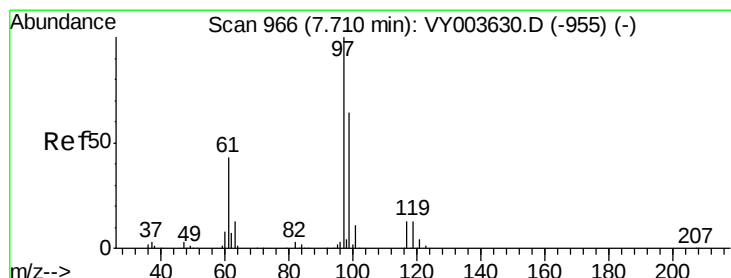
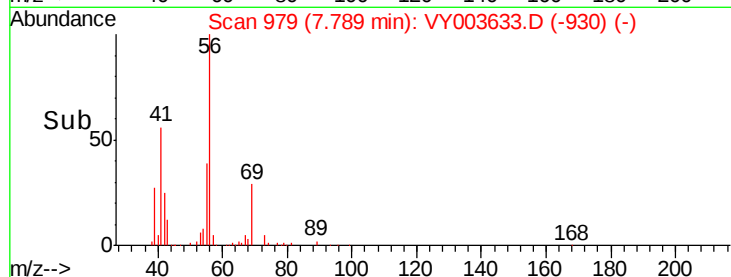
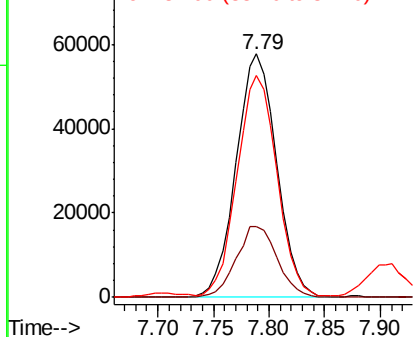
#29
Cyclohexane
Concen: 26.627 ug/L
RT: 7.79 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VICV403

Tot Ion: 56 Resp: 146171
Ion Ratio Lower Upper
56 100
69 29.5 23.9 35.9
84 89.9 71.9 107.9

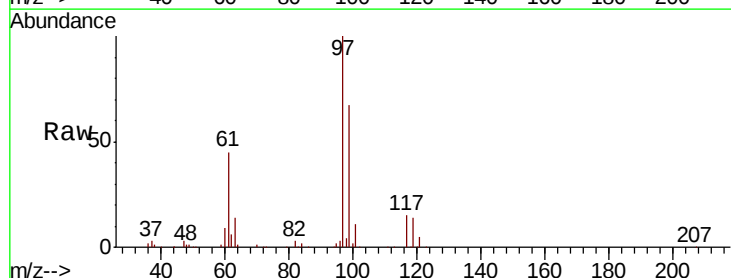


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

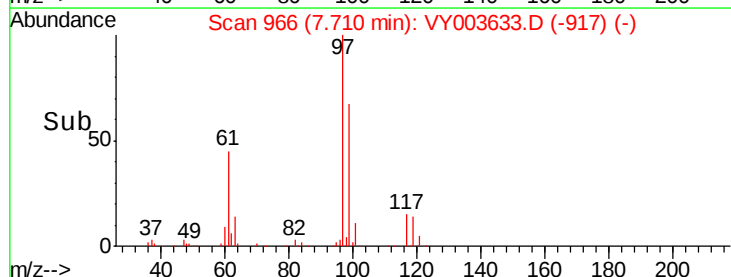
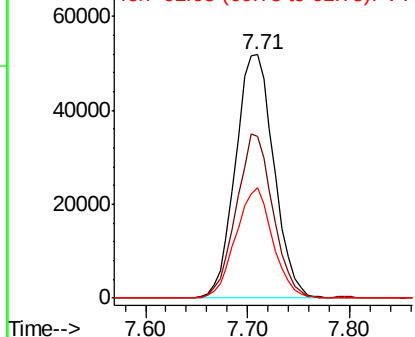


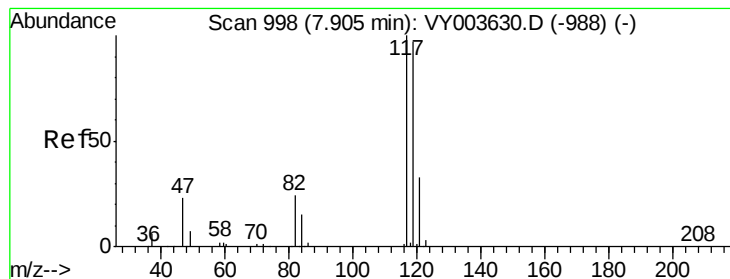
#30
1,1,1-Trichloroethane
Concen: 25.738 ug/L
RT: 7.71 min Scan# 966
Delta R.T. -0.00 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

Tgt Ion: 97 Resp: 135671
Ion Ratio Lower Upper
97 100
99 64.4 50.6 76.0
61 43.6 34.3 51.5



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 26.064 ug/L

RT: 7.90 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampled :

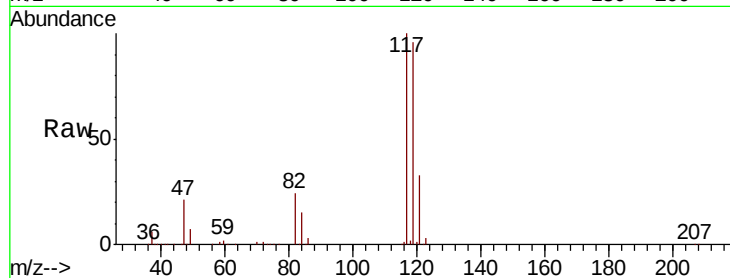
VICV403

Tot Ion:117 Resp: 124007

Ion Ratio Lower Upper

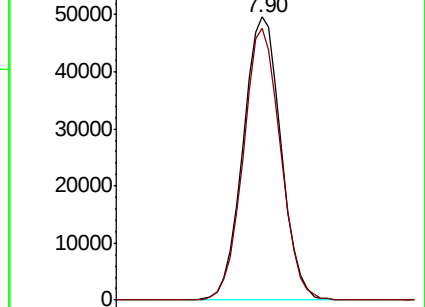
117 100

119 94.4 77.7 116.5

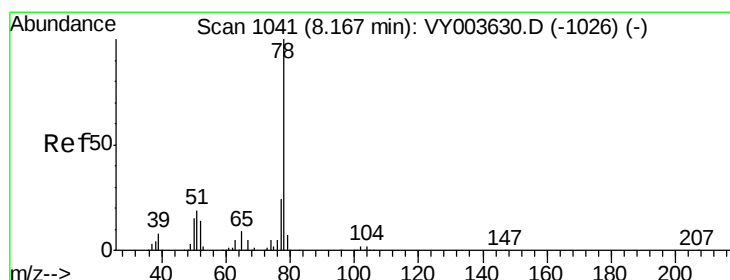
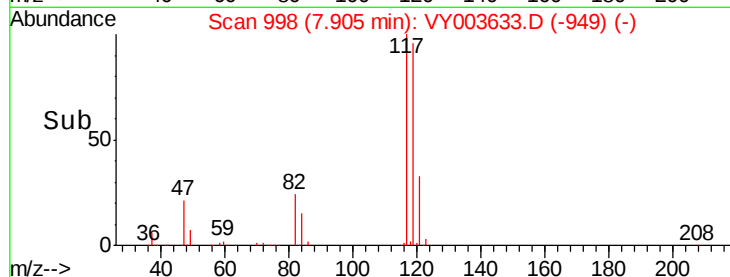


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 25.988 ug/L

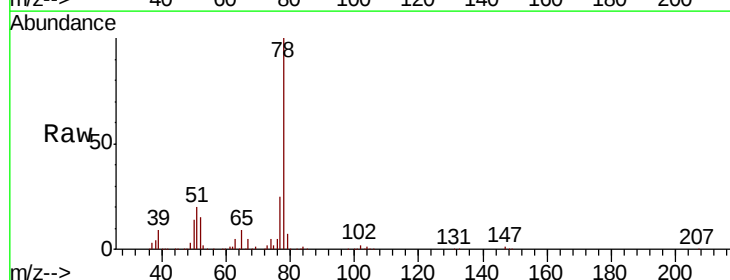
RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

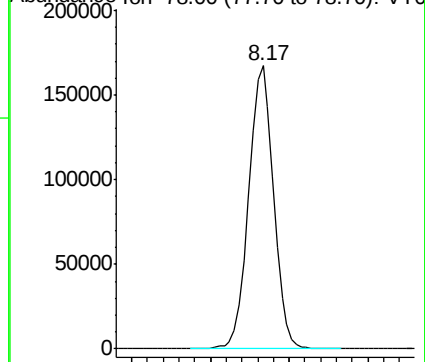
Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

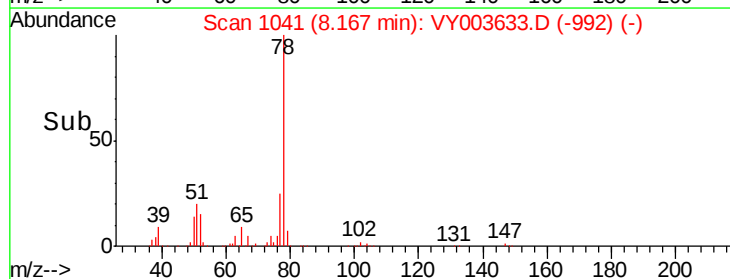
Tgt Ion: 78 Resp: 367245

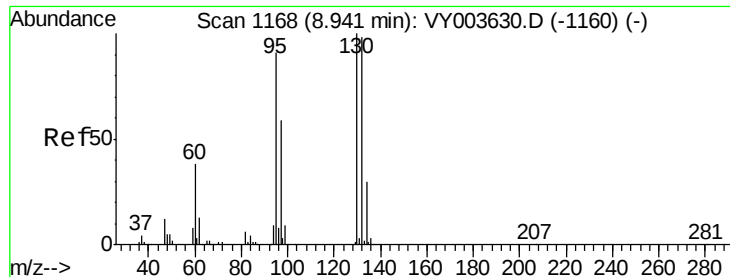


Abundance Ion 78.00 (77.70 to 78.70): VY0



Time-->





#34

Trichloroethene

Concen: 25.623 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VICV403

Tot Ion: 95 Resp: 90379

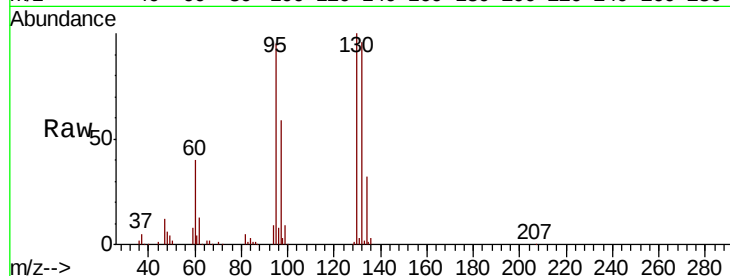
Ion Ratio Lower Upper

95 100

97 62.7 44.7 83.1

132 101.7 74.7 138.7

130 105.7 76.8 142.6



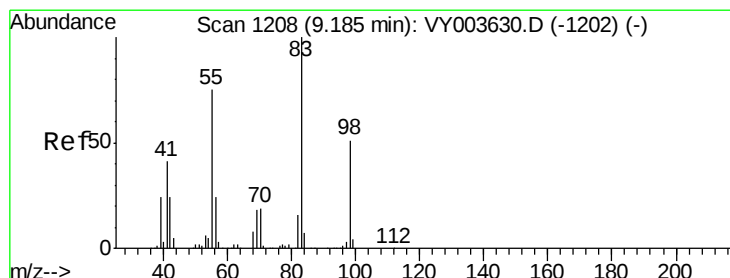
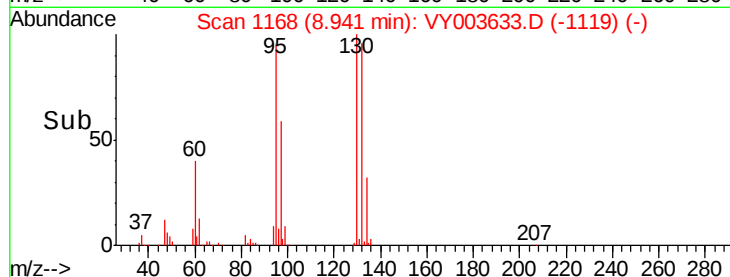
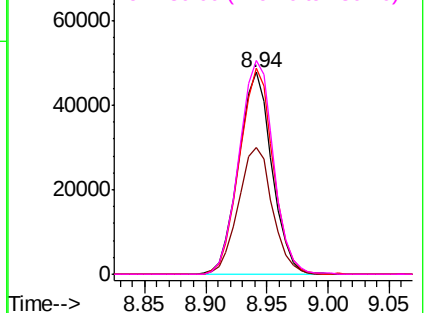
Abundance

Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#35

Methylcyclohexane

Concen: 26.160 ug/L

RT: 9.18 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

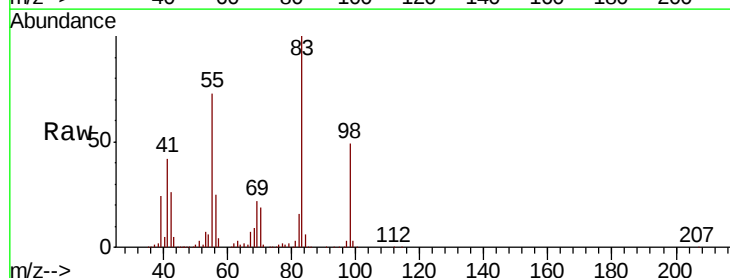
Tgt Ion: 83 Resp: 157766

Ion Ratio Lower Upper

83 100

55 73.4 58.3 87.5

98 49.9 39.0 58.6

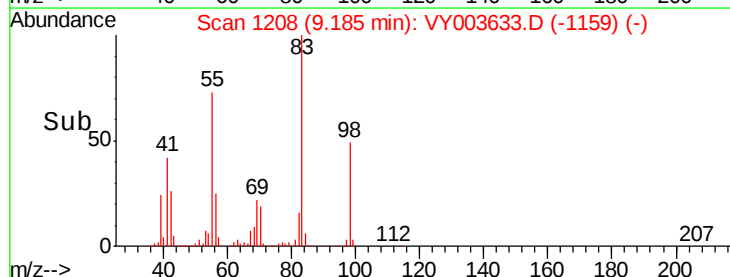
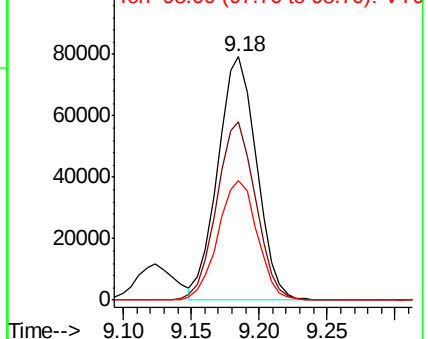


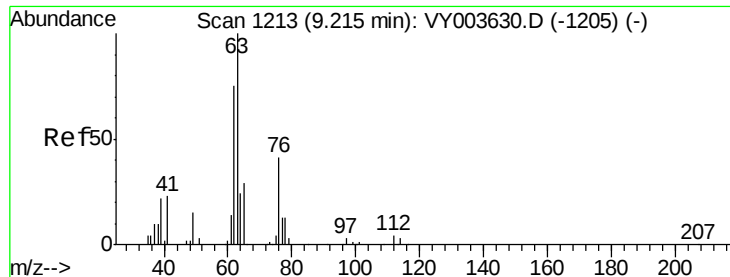
Abundance

Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0

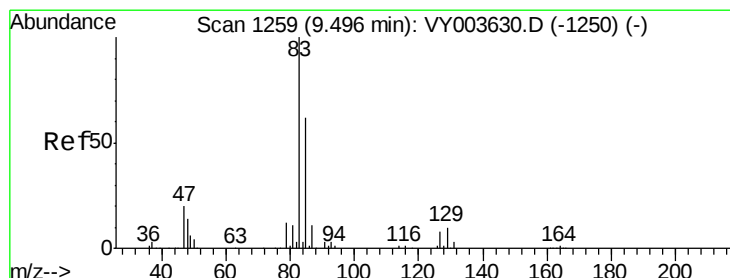
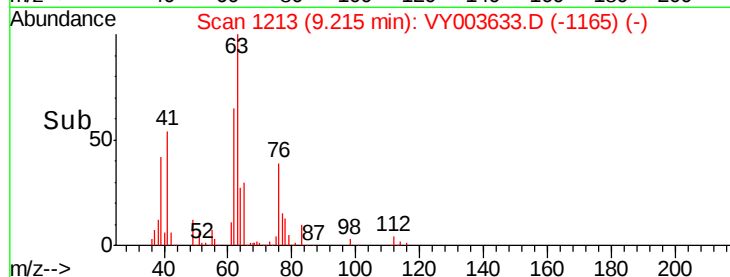
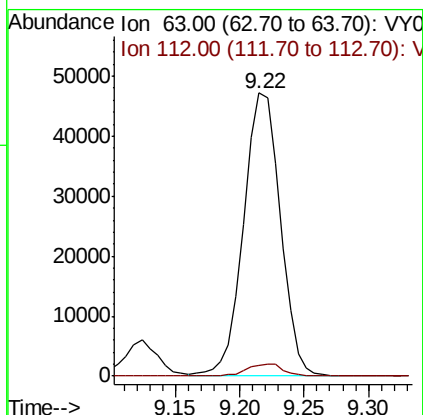
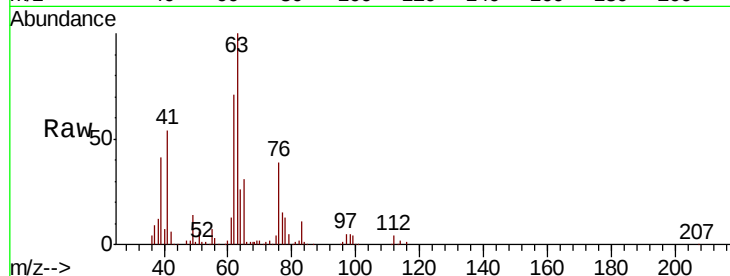




#37
 1,2-Dichloropropane
 Concen: 26.115 ug/L
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

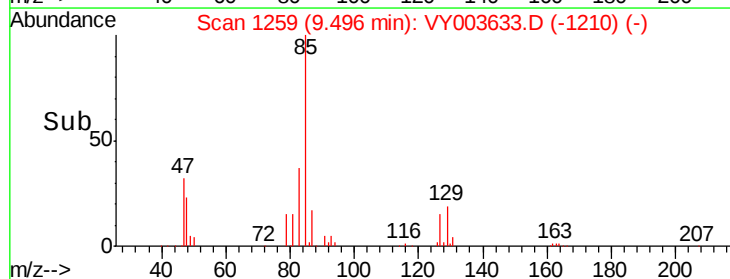
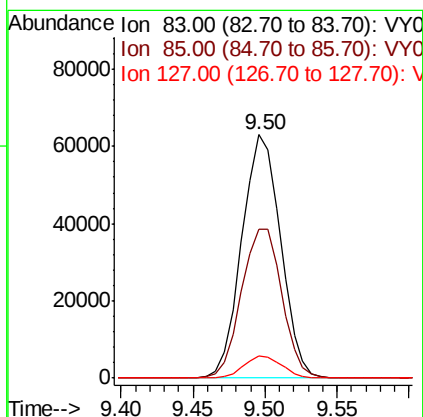
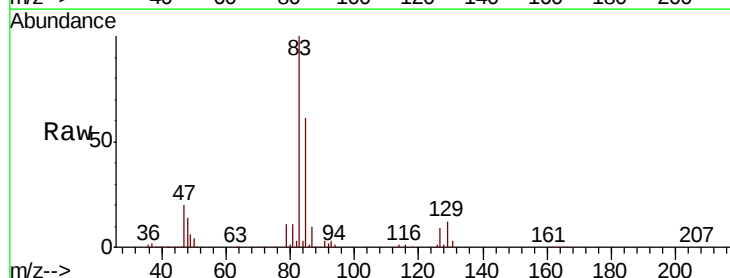
Instrument :
 MSVOA_Y
 ClientSampled :
 VICV403

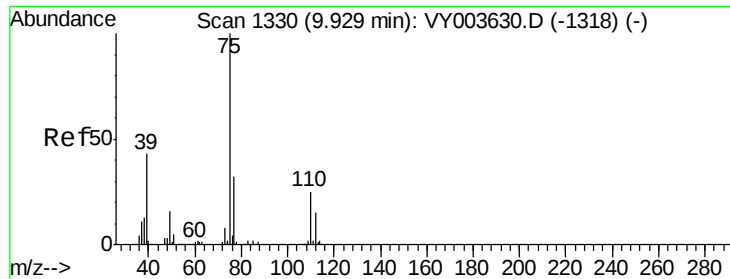
Tot Ion: 63 Resp: 93674
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 26.118 ug/L
 RT: 9.50 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Tgt Ion: 83 Resp: 117932
 Ion Ratio Lower Upper
 83 100
 85 61.4 43.1 80.1
 127 9.0 7.1 10.7

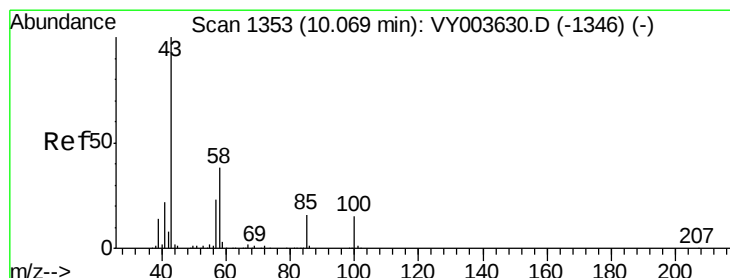
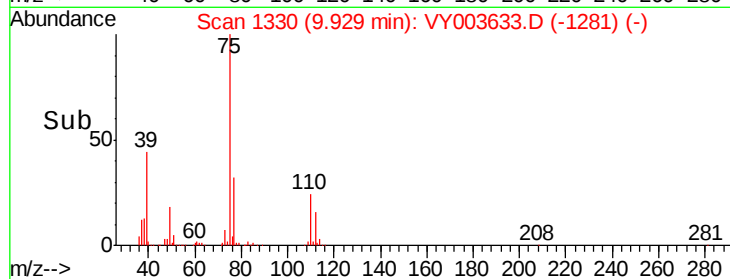
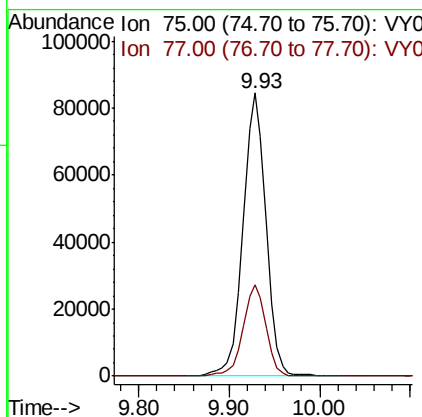
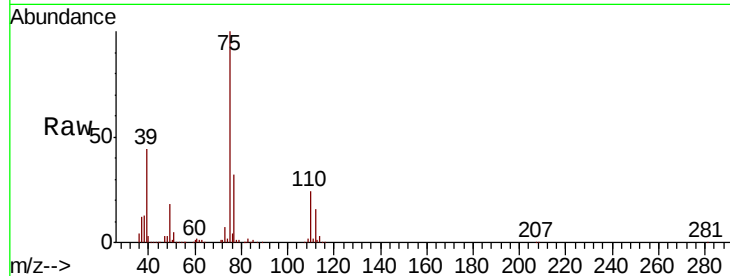




#39
 cis-1,3-Dichloropropene
 Concen: 26.718 ug/L
 RT: 9.93 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

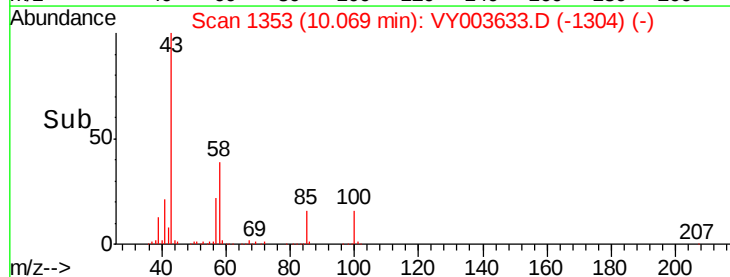
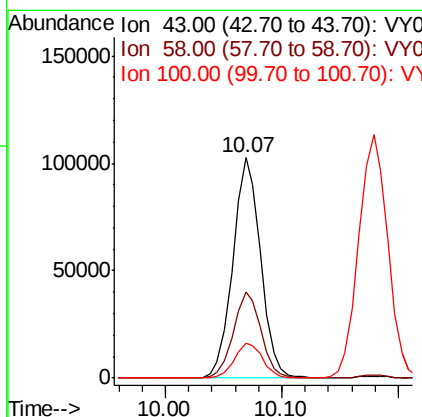
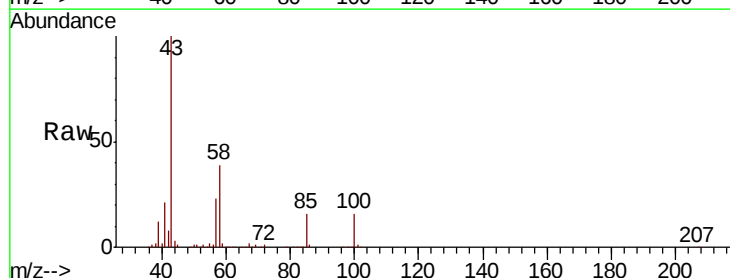
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV403

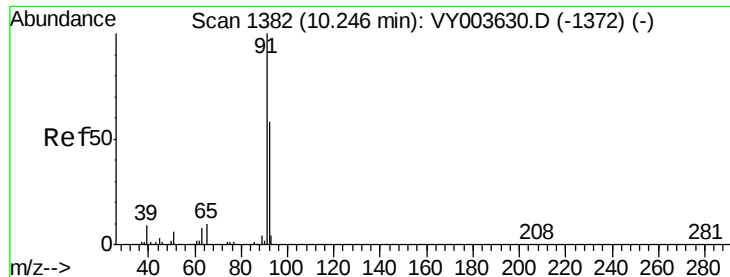
Tot Ion: 75 Resp: 148061
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 54.079 ug/L
 RT: 10.07 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Tgt Ion: 43 Resp: 170314
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.7 46.1
 100 16.0 12.1 18.1





#42

Toluene

Concen: 26.551 ug/L

RT: 10.24 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

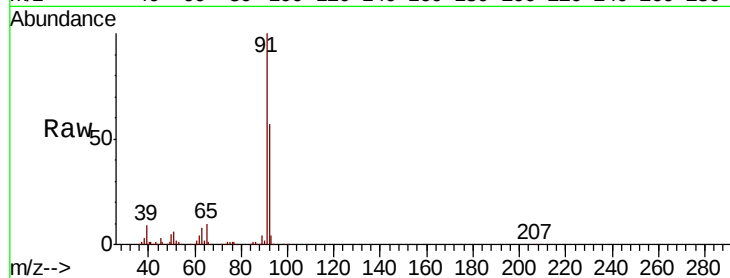
VICV403

Tot Ion: 91 Resp: 394150

Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

10.24

250000

200000

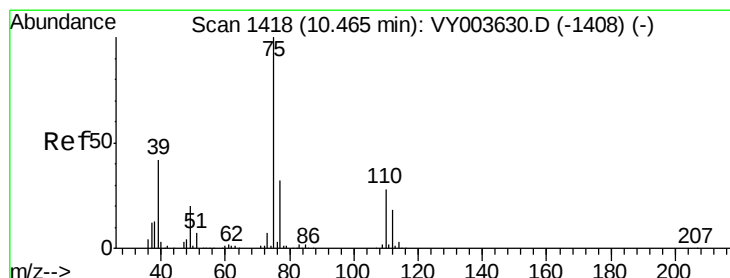
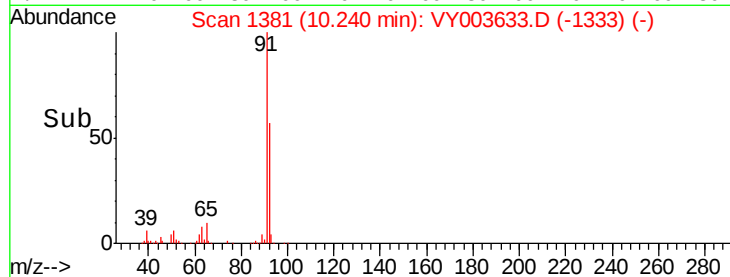
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 26.566 ug/L

RT: 10.47 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VY003633.D

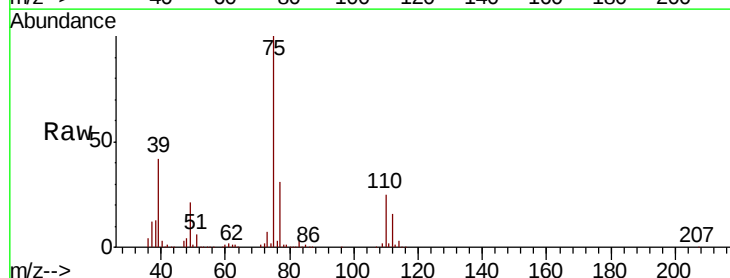
Acq: 01 Dec 2020 13:03

Tgt Ion: 75 Resp: 135895

Ion Ratio Lower Upper

75 100

77 30.8 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

10.47

80000

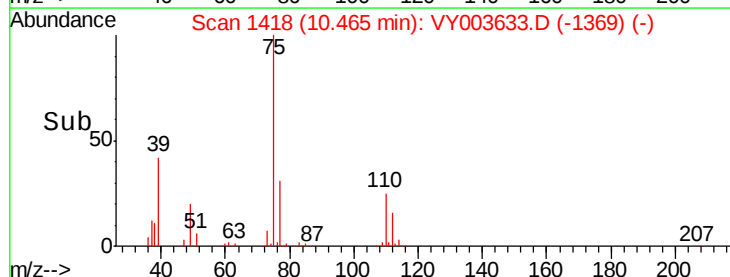
60000

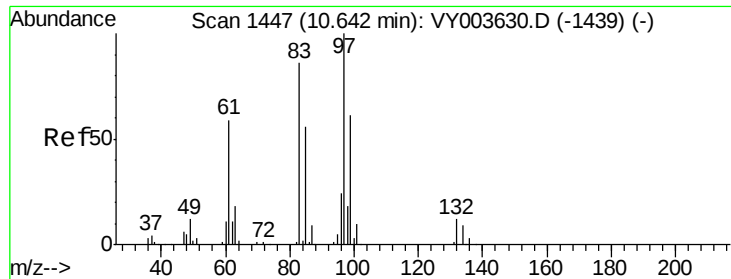
40000

20000

0

Time-->



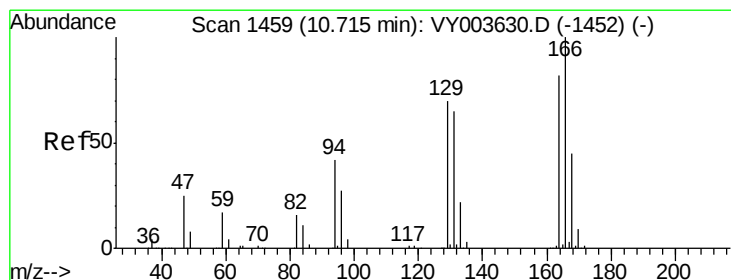
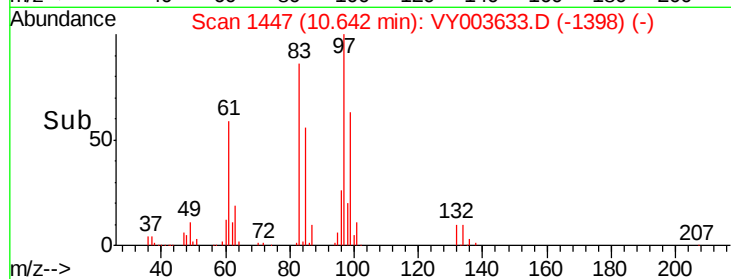
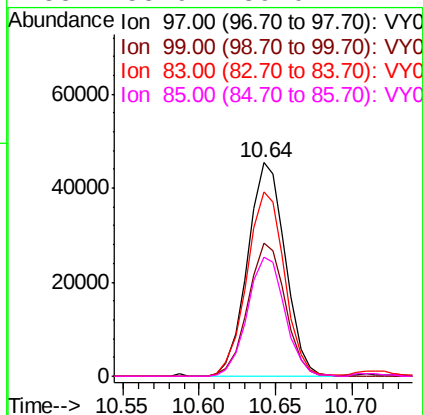
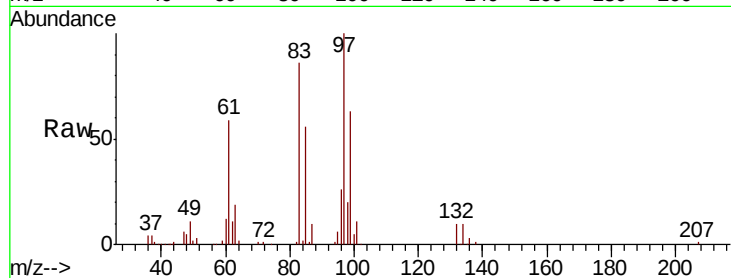


#45
 1,1,2-Trichloroethane
 Concen: 25.838 ug/L
 RT: 10.64 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV403

Tot Ion: 97 Resp: 77836

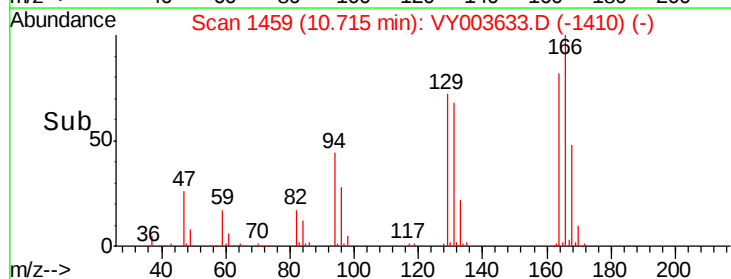
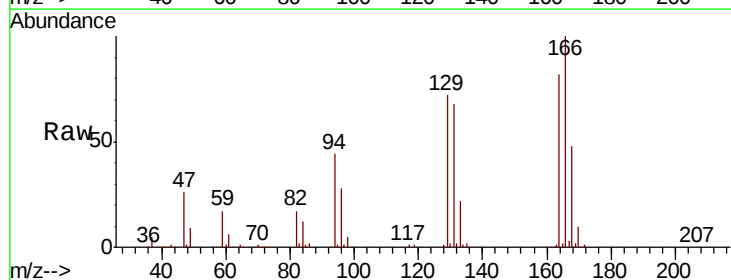
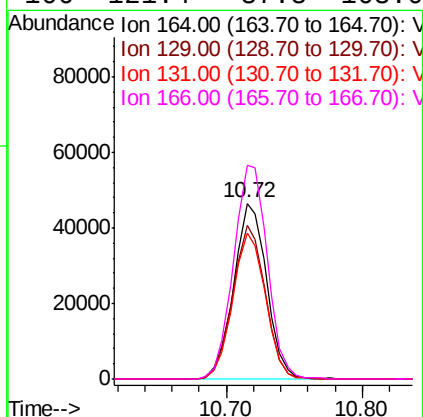
Ion	Ratio	Lower	Upper
97	100		
99	62.5	45.1	83.9
83	86.5	59.7	110.9
85	55.9	39.0	72.4

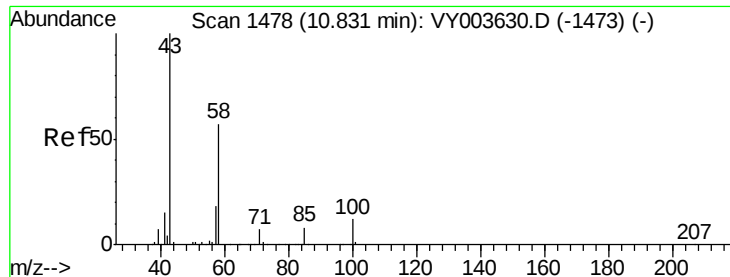


#46
 Tetrachloroethene
 Concen: 25.887 ug/L
 RT: 10.72 min Scan# 1459
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Tgt Ion: 164 Resp: 78148

Ion	Ratio	Lower	Upper
164	100		
129	87.3	58.9	109.5
131	83.0	59.0	109.6
166	121.4	87.8	163.0

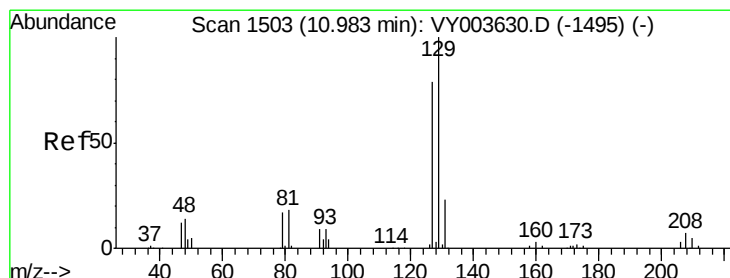
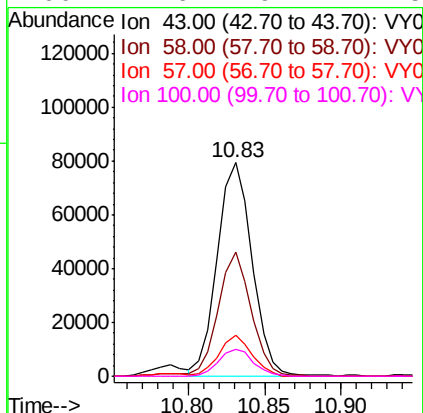
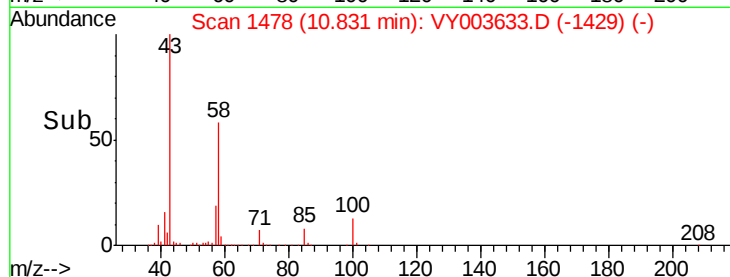
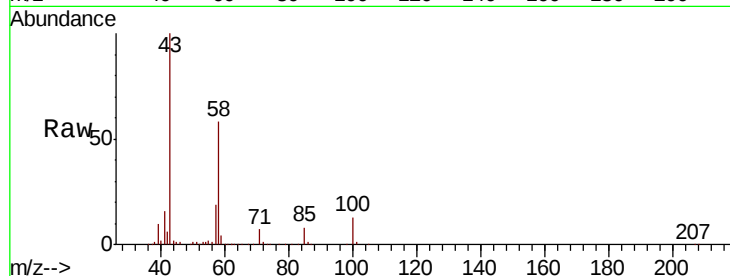




#48
2-Hexanone
Concen: 54.954 ug/L
RT: 10.83 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

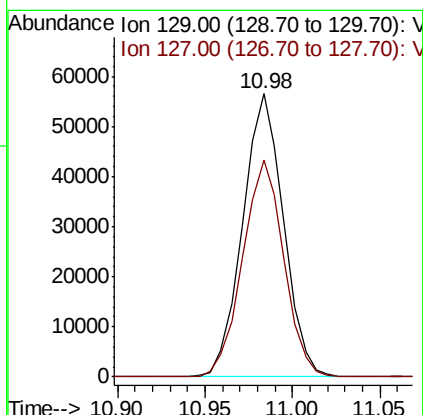
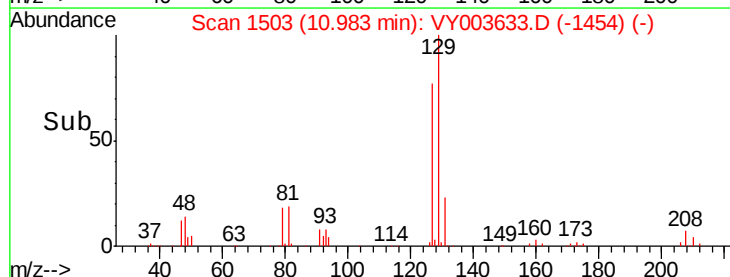
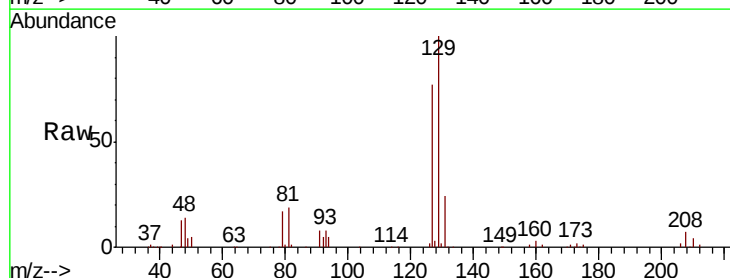
Instrument :
MSVOA_Y
ClientSampleId :
VICV403

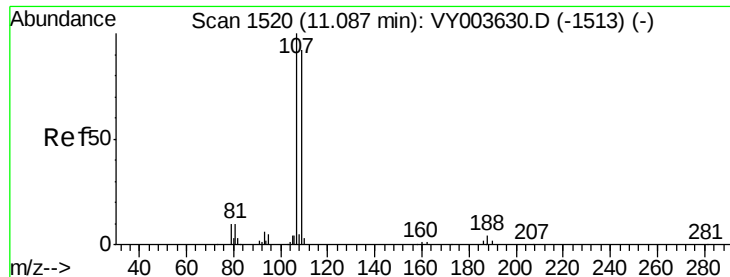
Tot Ion:	43	Resp:	126343
Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.0	64.6
57	18.0	14.6	21.8
100	12.6	9.7	14.5



#49
Dibromochloromethane
Concen: 26.463 ug/L
RT: 10.98 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

Tgt Ion:	129	Resp:	92126
Ion	Ratio	Lower	Upper
129	100		
127	76.7	55.0	102.2

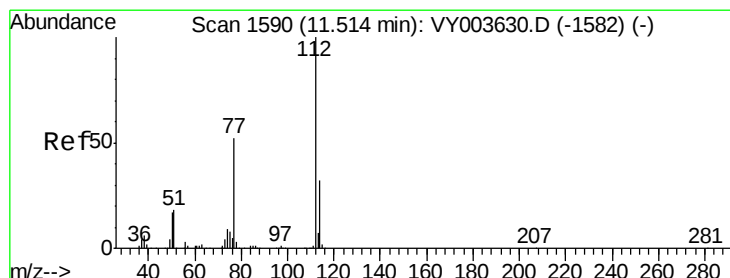
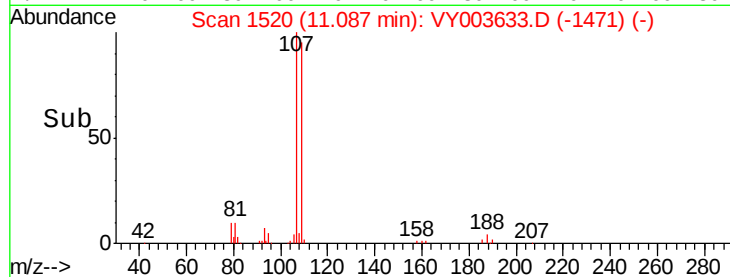
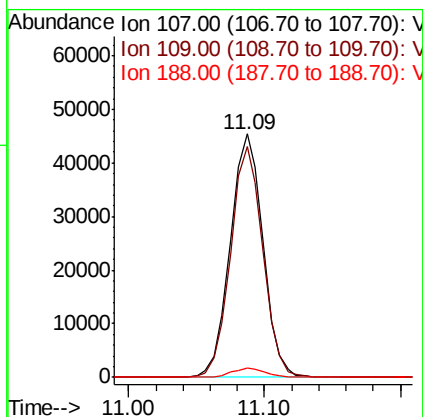
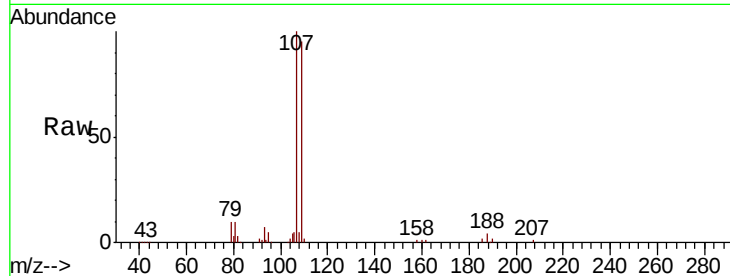




#50
 1,2-Dibromoethane
 Concen: 25.978 ug/L
 RT: 11.09 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

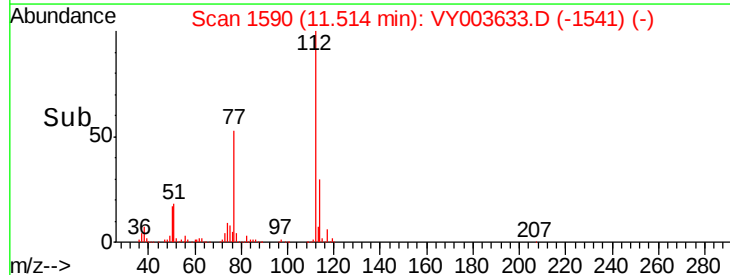
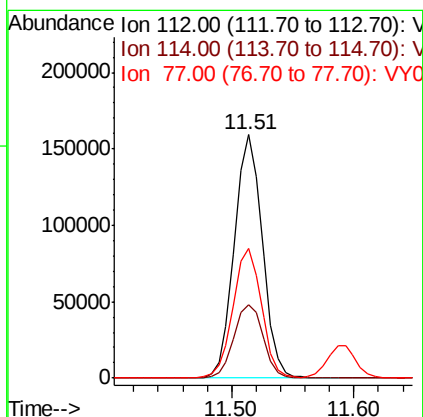
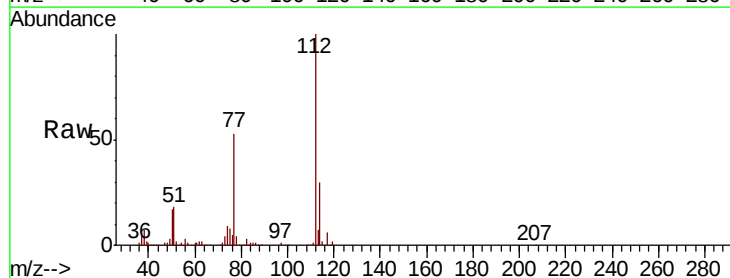
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV403

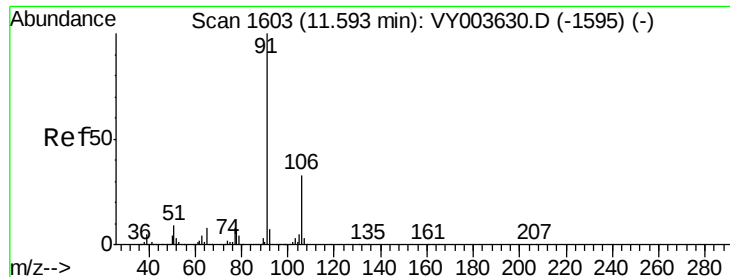
Tot Ion:107 Resp: 75689
 Ion Ratio Lower Upper
 107 100
 109 94.9 65.5 121.7
 188 4.2 3.8 5.8



#51
 Chlorobenzene
 Concen: 26.362 ug/L
 RT: 11.51 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Tgt Ion:112 Resp: 252143
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.2 41.2
 77 53.3 43.8 65.6





#52

Ethylbenzene

Concen: 26.451 ug/L

RT: 11.59 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampled :

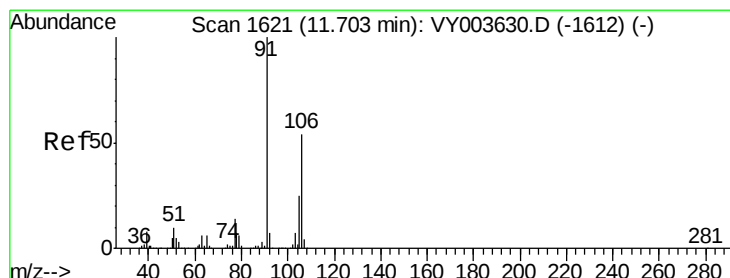
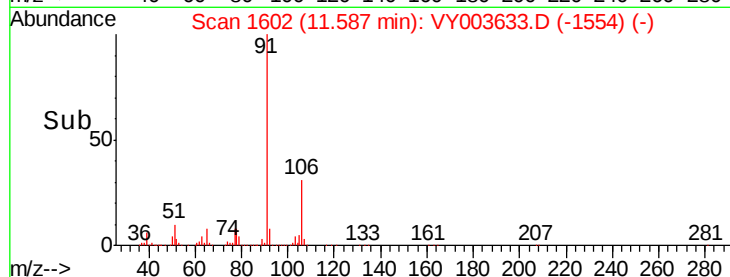
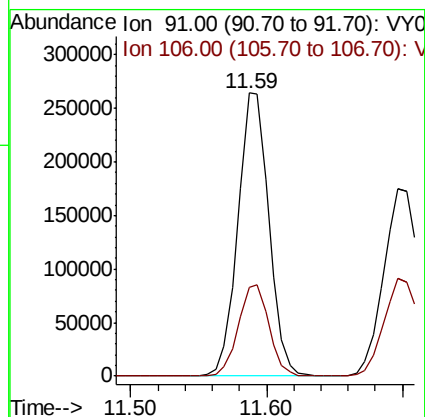
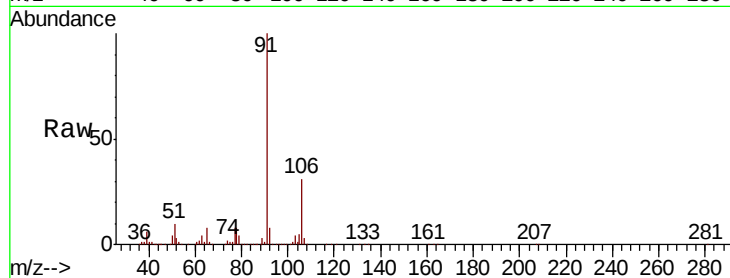
VICV403

Tot Ion: 91 Resp: 420159

Ion Ratio Lower Upper

91 100

106 31.5 22.8 42.4



#53

m,p-Xylene

Concen: 26.592 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VY003633.D

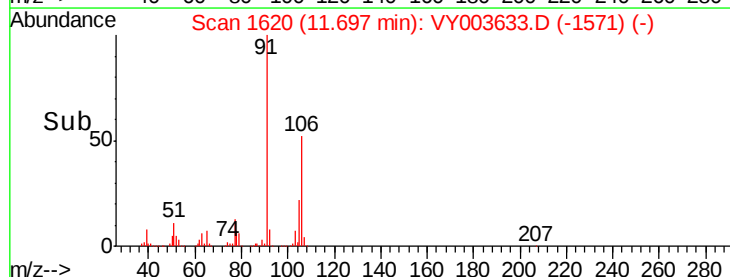
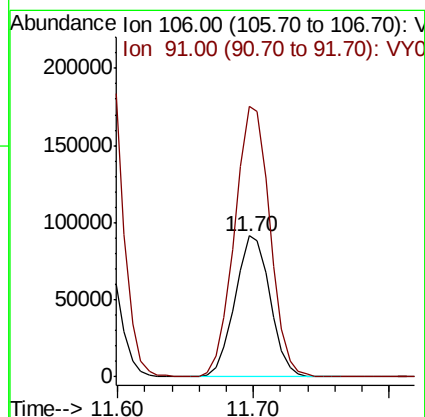
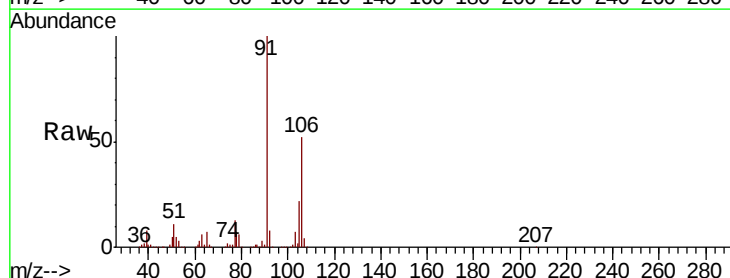
Acq: 01 Dec 2020 13:03

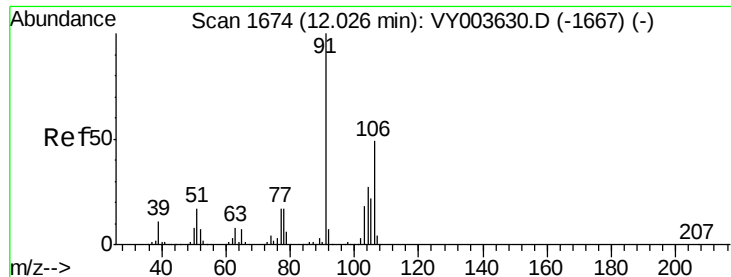
Tgt Ion: 106 Resp: 165190

Ion Ratio Lower Upper

106 100

91 191.7 133.1 247.3

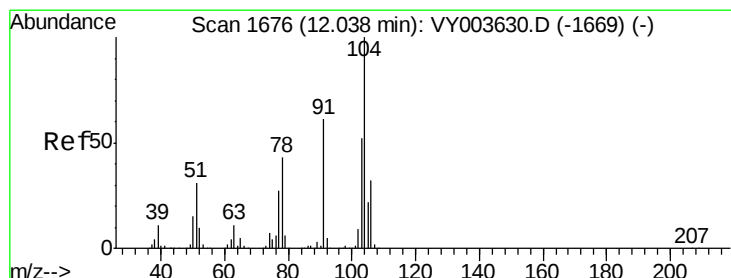
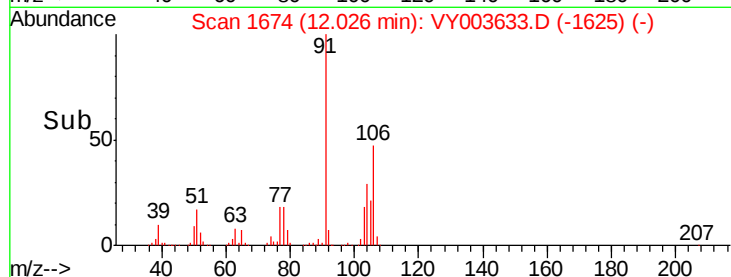
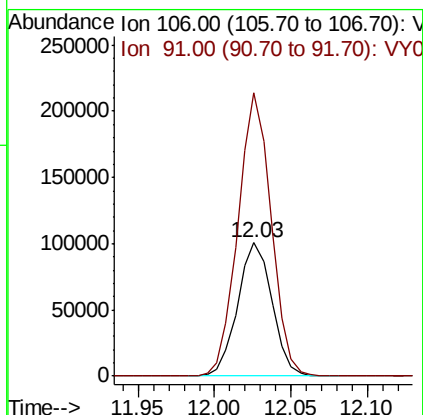
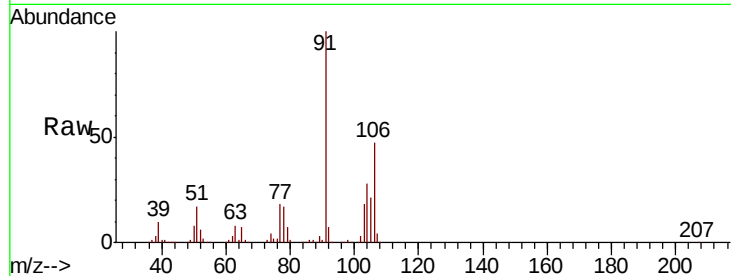




#54
o-Xylene
Concen: 26.648 ug/L
RT: 12.03 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

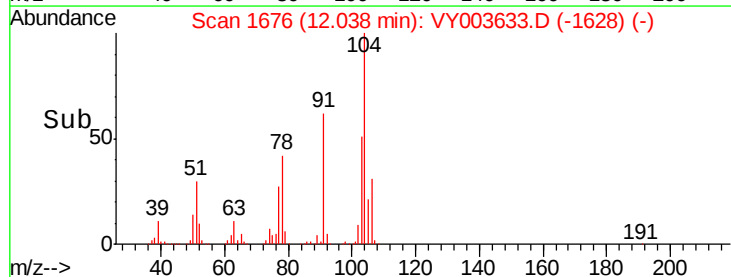
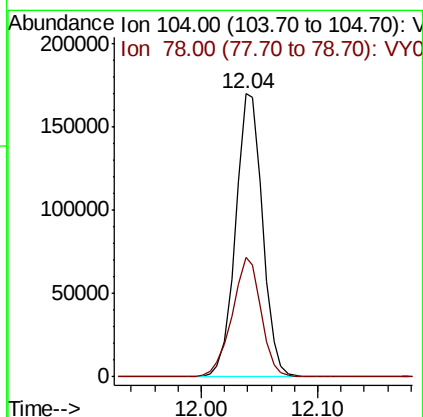
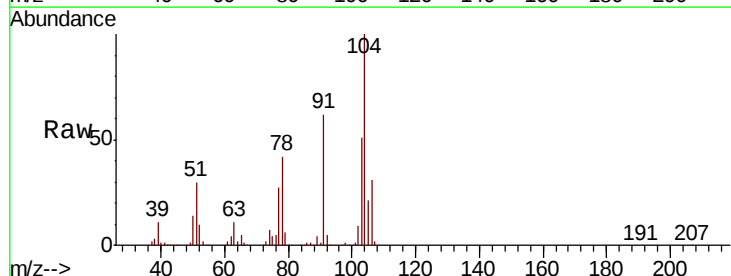
Instrument :
MSVOA_Y
ClientSampleId :
VICV403

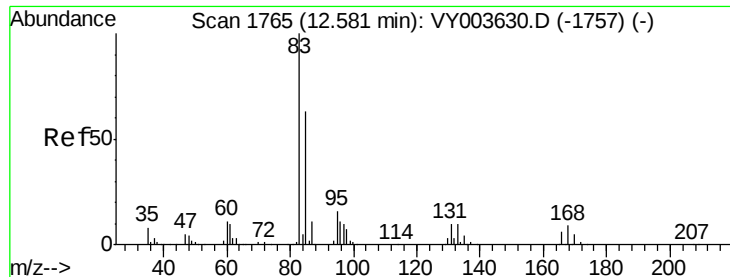
Tot Ion:106 Resp: 156354
Ion Ratio Lower Upper
106 100
91 212.3 144.1 267.5



#55
Styrene
Concen: 27.275 ug/L
RT: 12.04 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VY003633.D
Acq: 01 Dec 2020 13:03

Tgt Ion:104 Resp: 273803
Ion Ratio Lower Upper
104 100
78 42.4 27.6 51.4

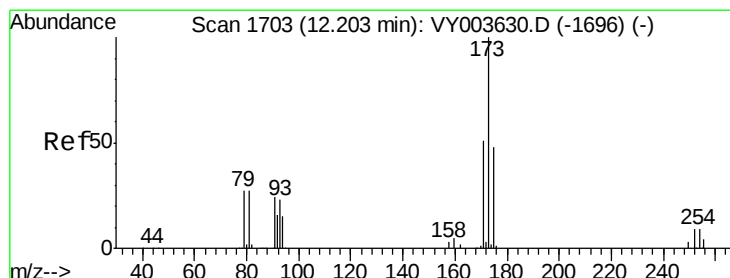
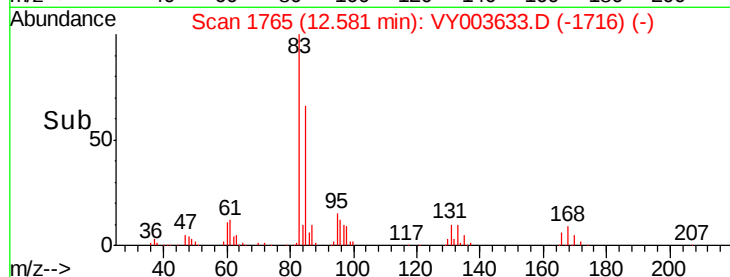
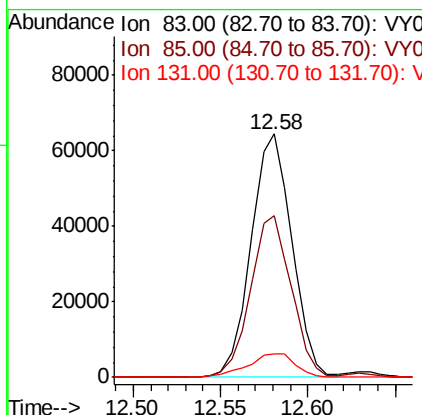
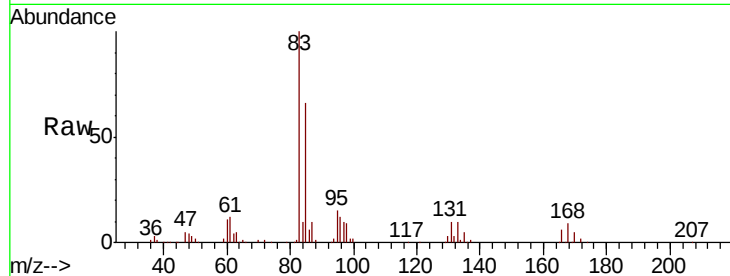




#57
 1,1,2,2-Tetrachloroethane
 Concen: 26.225 ug/L
 RT: 12.58 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

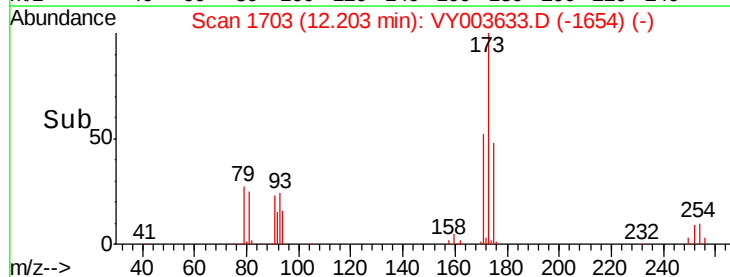
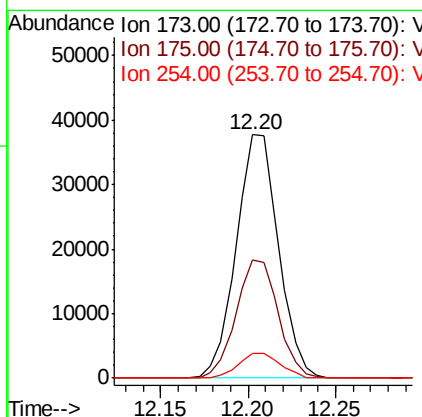
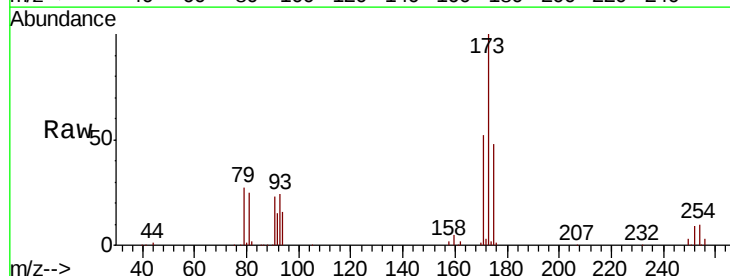
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV403

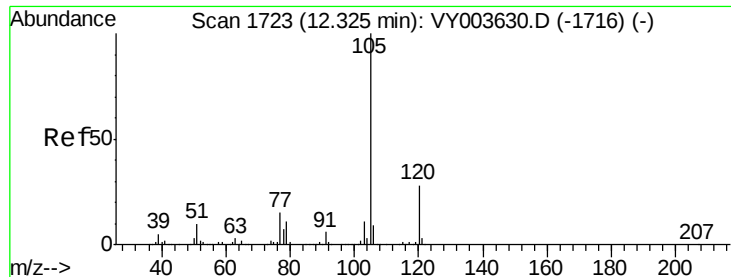
Tot Ion: 83 Resp: 104683
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.1 85.7
 131 9.7 8.1 12.1



#59
 Bromoform
 Concen: 26.614 ug/L
 RT: 12.20 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Tgt Ion: 173 Resp: 63263
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.2 57.4
 254 10.3 8.0 12.0





#60

Isopropylbenzene

Concen: 26.871 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VICV403

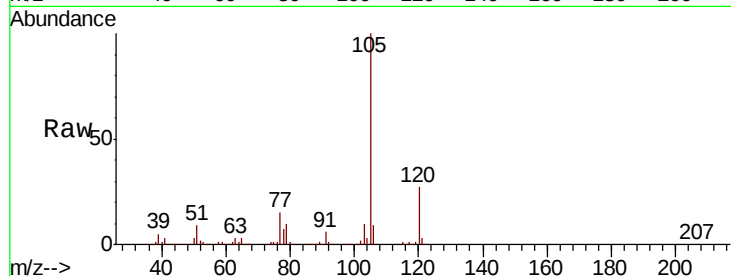
Tot Ion: 105 Resp: 415939

Ion Ratio Lower Upper

105 100

120 27.7 22.0 33.0

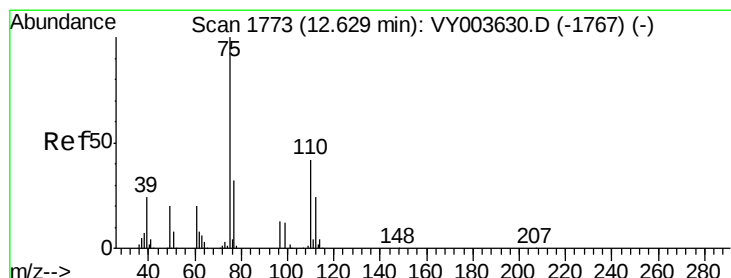
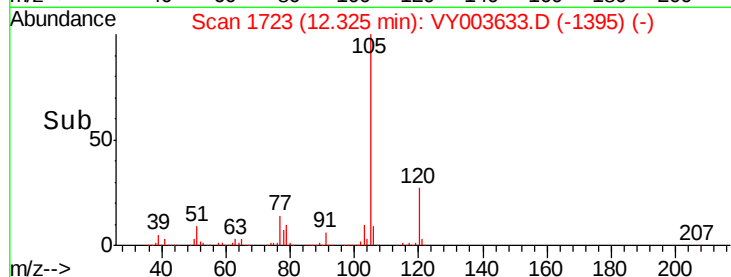
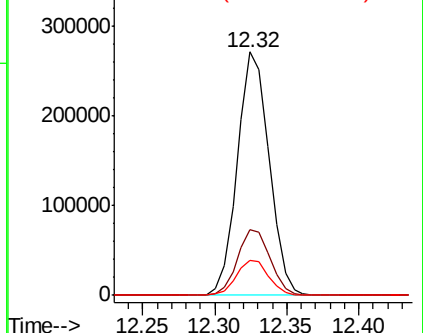
77 14.7 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 25.744 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

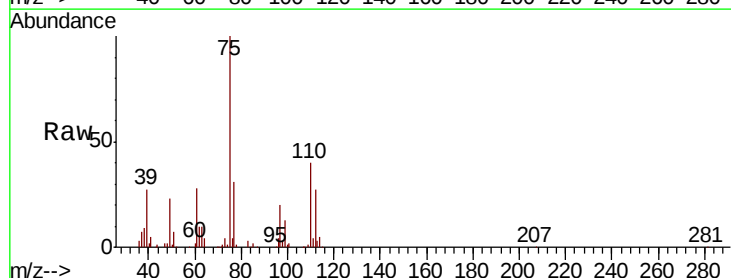
Tgt Ion: 75 Resp: 74542

Ion Ratio Lower Upper

75 100

77 32.8 26.3 39.5

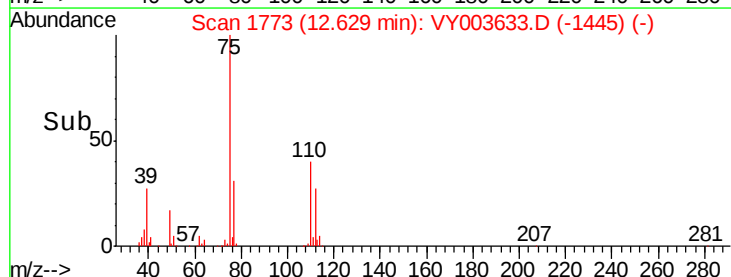
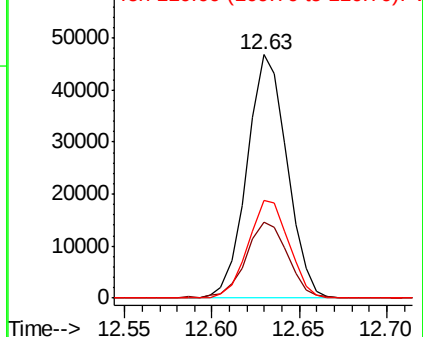
110 40.9 33.0 49.4

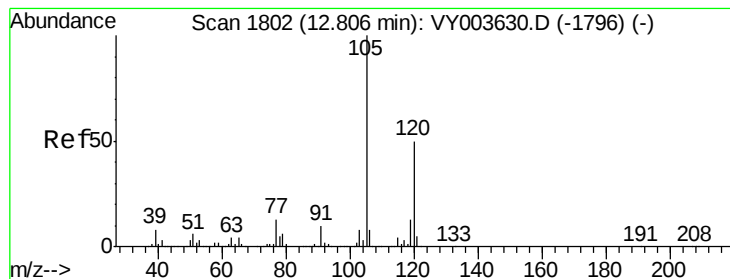


Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 27.479 ug/L

RT: 12.81 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

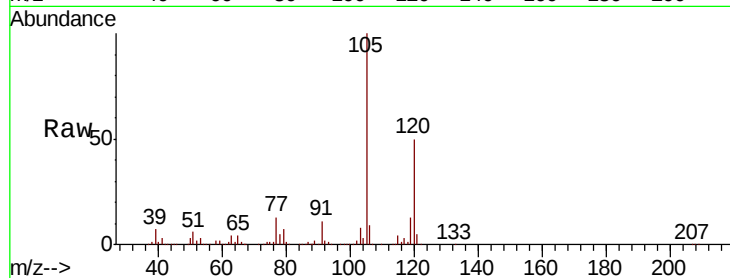
VICV403

Tot Ion:105 Resp: 337286

Ion Ratio Lower Upper

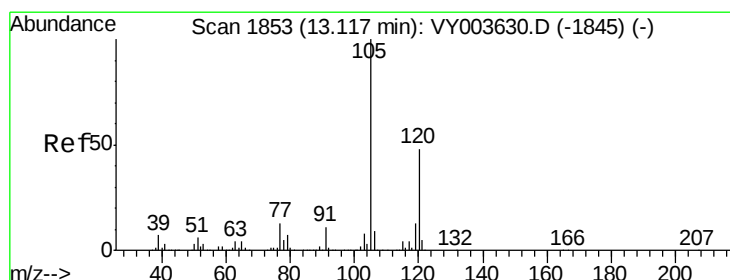
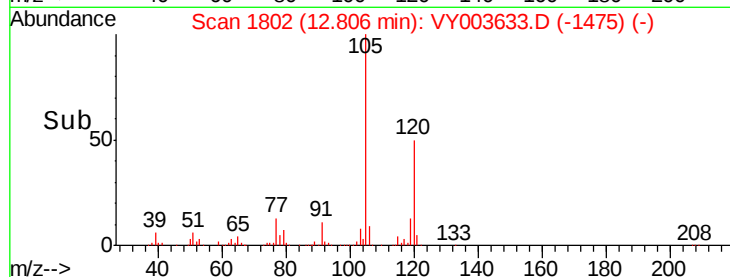
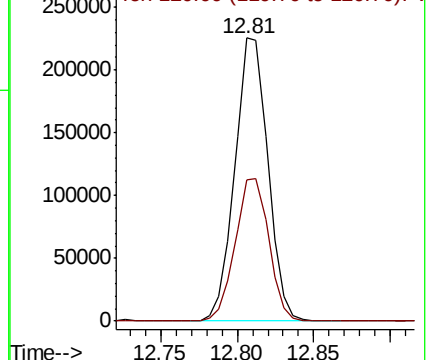
105 100

120 51.2 40.4 60.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 27.416 ug/L

RT: 13.12 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VY003633.D

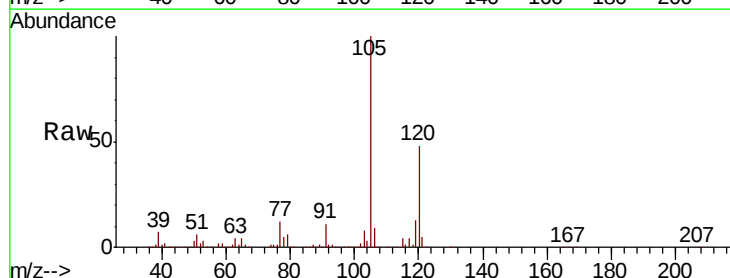
Acq: 01 Dec 2020 13:03

Tgt Ion:105 Resp: 332483

Ion Ratio Lower Upper

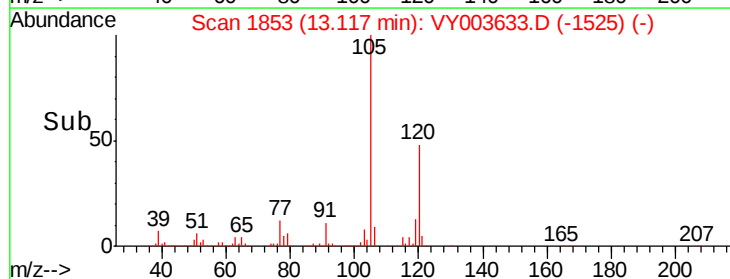
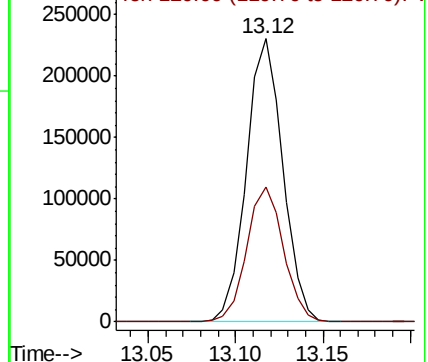
105 100

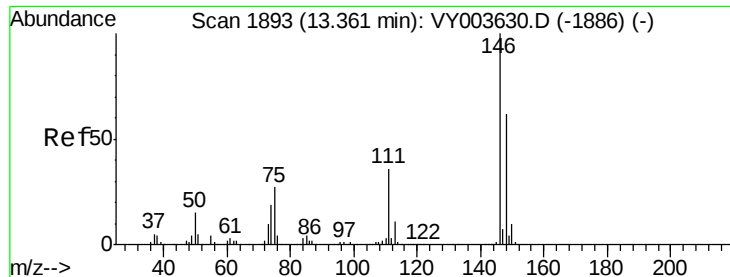
120 48.2 38.0 57.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 26.422 ug/L

RT: 13.36 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VICV403

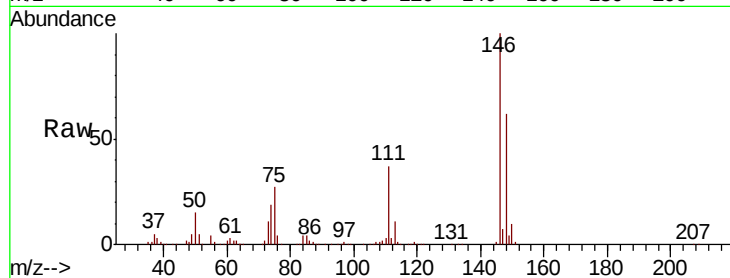
Tot Ion:146 Resp: 197887

Ion Ratio Lower Upper

146 100

111 37.3 26.6 49.4

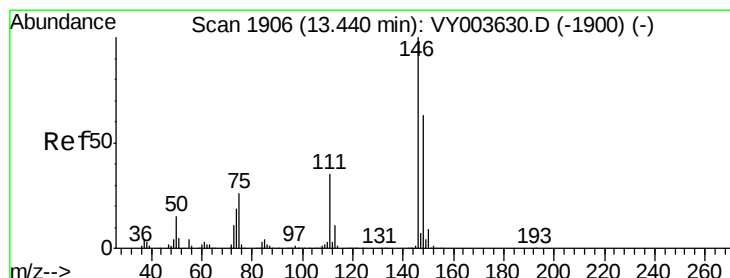
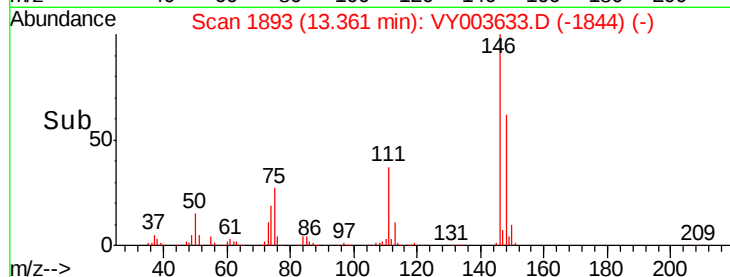
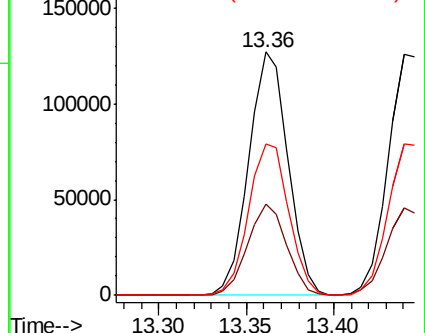
148 62.3 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 26.166 ug/L

RT: 13.44 min Scan# 1906

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

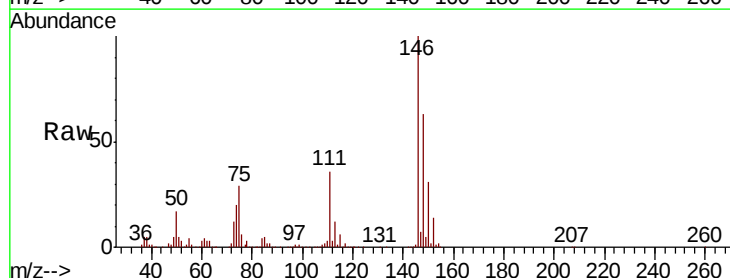
Tgt Ion:146 Resp: 199125

Ion Ratio Lower Upper

146 100

111 36.1 24.7 45.9

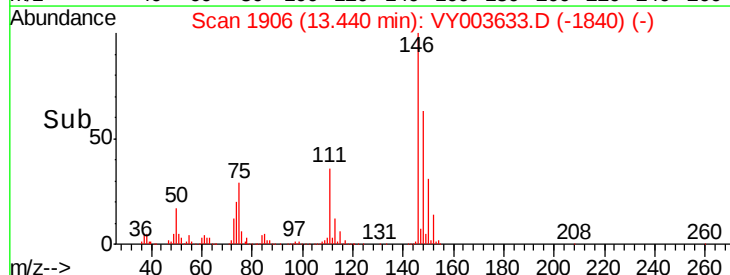
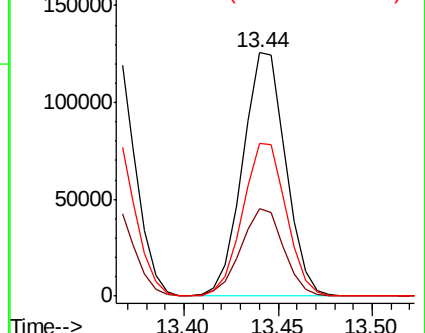
148 63.0 43.4 80.6

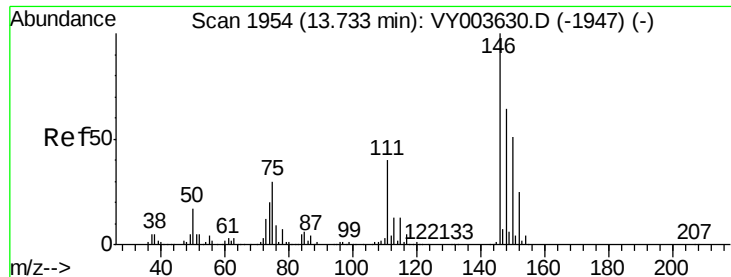


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 26.162 ug/L

RT: 13.73 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VICV403

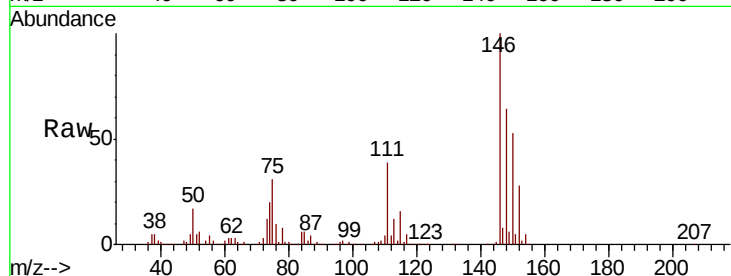
Tot Ion:146 Resp: 183976

Ion Ratio Lower Upper

146 100

111 39.2 31.0 46.6

148 64.3 51.0 76.4

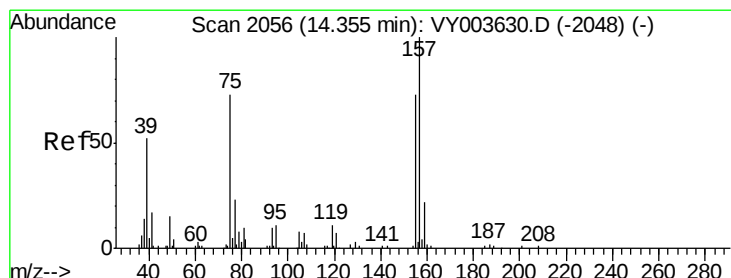
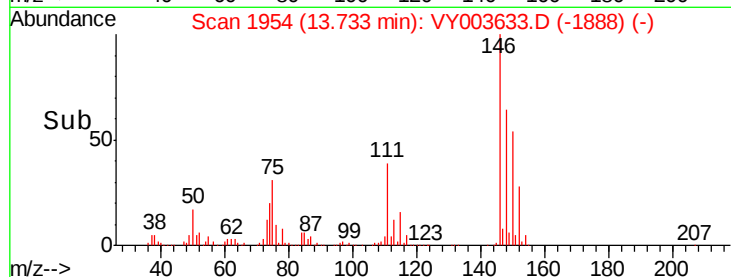
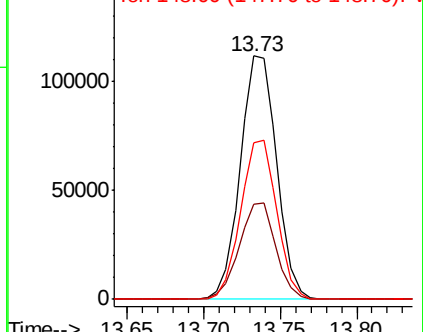


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 25.981 ug/L

RT: 14.35 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

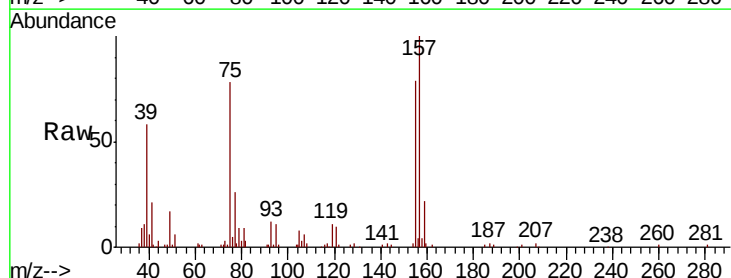
Tgt Ion: 75 Resp: 17457

Ion Ratio Lower Upper

75 100

155 101.2 73.4 110.0

157 128.6 98.1 147.1

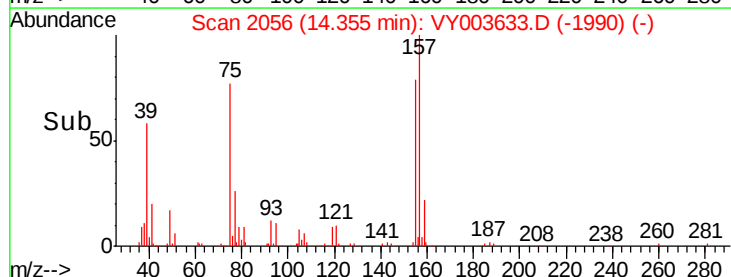
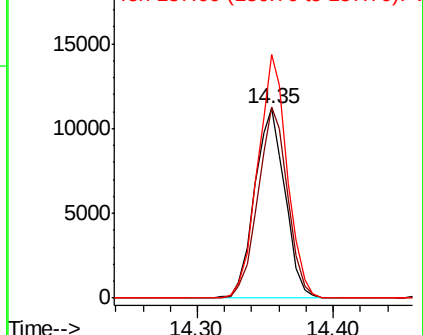


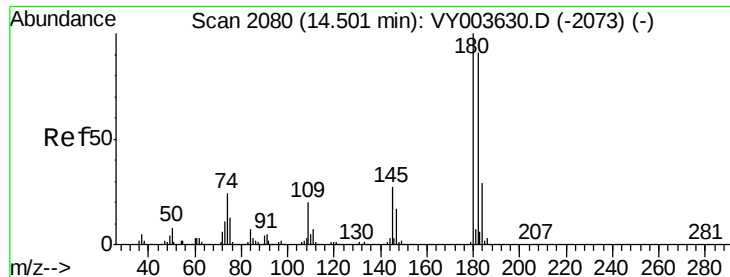
Abundance

Ion 75.00 (74.70 to 75.70): VY0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

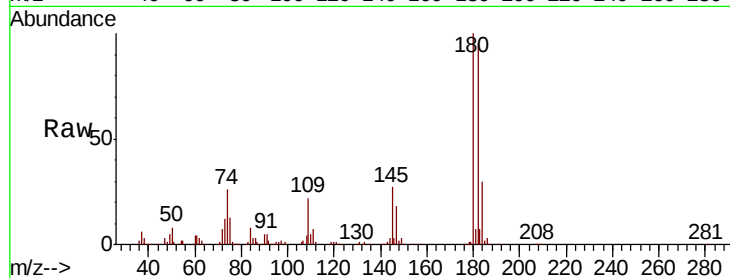




#69
 1,3,5-Trichlorobenzene
 Concen: 26.509 ug/L
 RT: 14.50 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV403

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.4	113.0
184	30.3	24.1	36.1
145	27.9	22.4	33.6



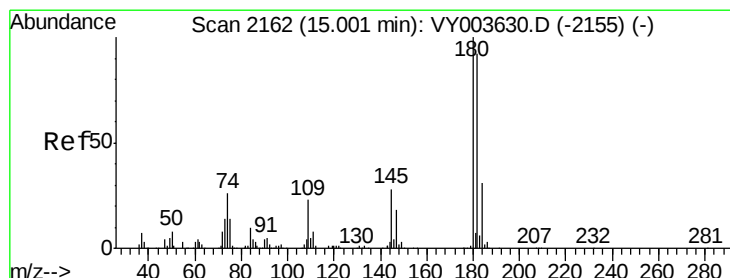
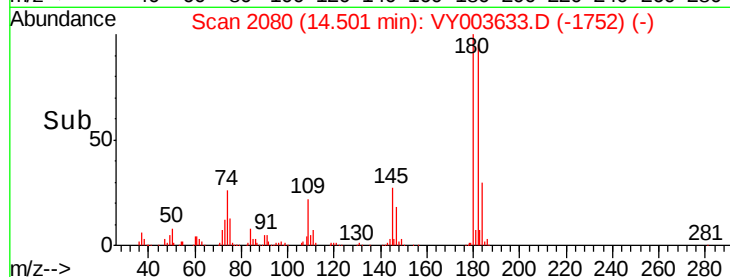
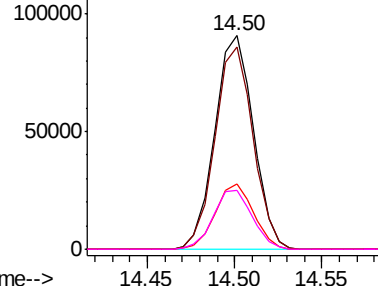
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

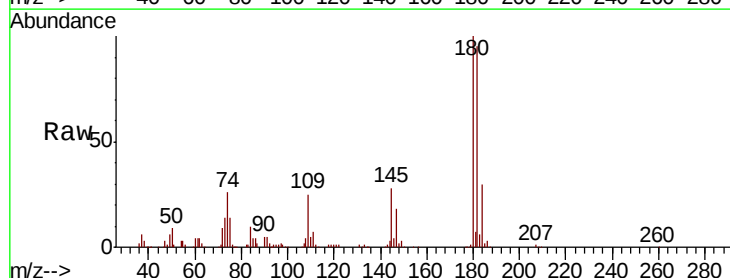
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 26.429 ug/L
 RT: 15.00 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VY003633.D
 Acq: 01 Dec 2020 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	28.1	22.8	34.2

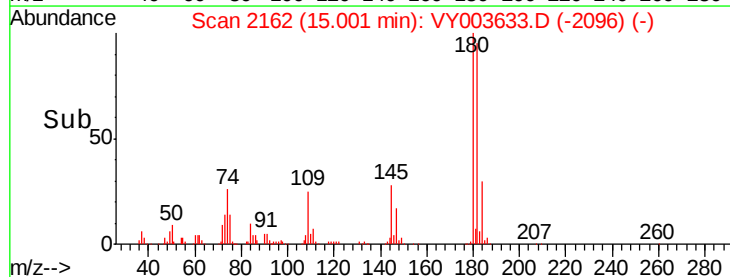
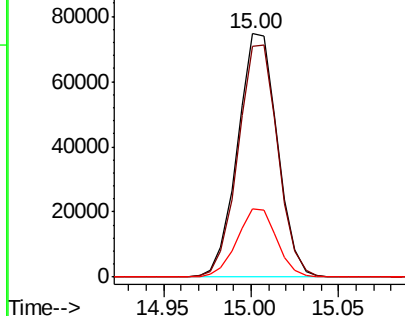


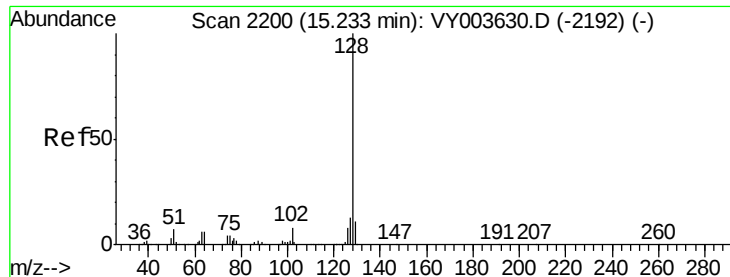
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 26.991 ug/L

RT: 15.23 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VICV403

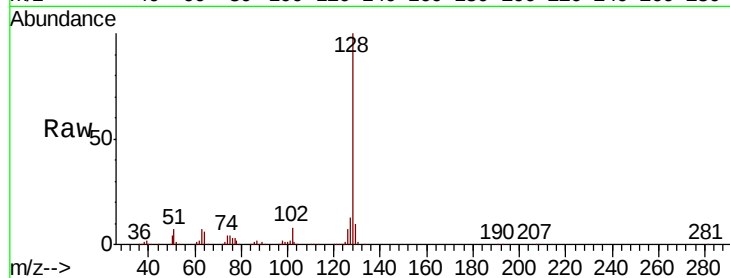
Tot Ion:128 Resp: 264066

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

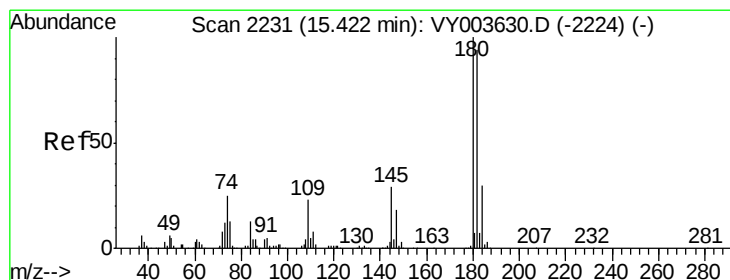
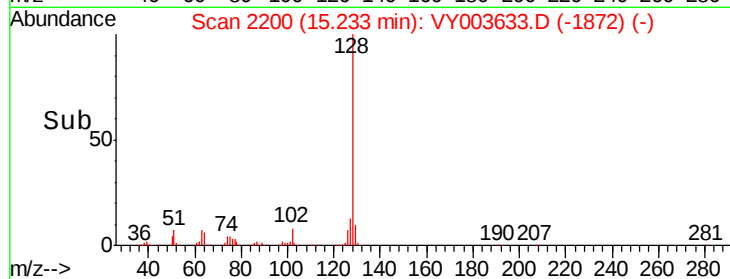
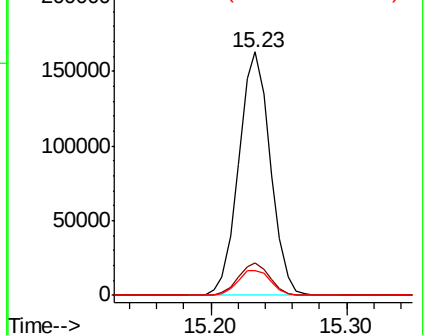
129 11.0 8.5 12.7



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



#72

1,2,3-Trichlorobenzene

Concen: 26.964 ug/L

RT: 15.42 min Scan# 2230

Delta R.T. -0.01 min

Lab File: VY003633.D

Acq: 01 Dec 2020 13:03

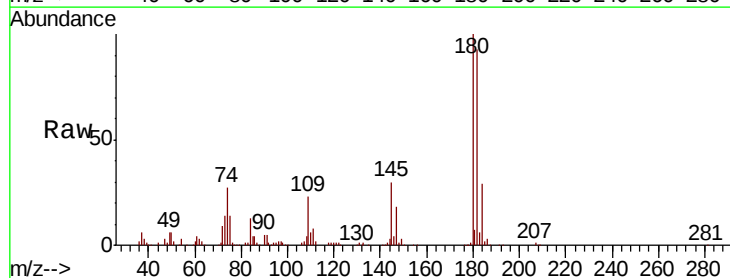
Tgt Ion:180 Resp: 110981

Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

145 30.2 23.6 35.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

