

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110220\
 Data File : VY003463.D
 Acq On : 02 Nov 2020 10:55
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 02 11:51:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 11:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	217188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	308929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	277445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	146538	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	43777	20.10	ug/l	0.00
Spiked Amount			Recovery	=	40.20%	
35) Dibromofluoromethane	7.73	113	36856	19.95	ug/l	0.00
Spiked Amount			Recovery	=	39.90%	
50) Toluene-d8	10.18	98	156313	20.24	ug/l	0.00
Spiked Amount			Recovery	=	40.48%	
62) 4-Bromofluorobenzene	12.48	95	50808	19.19	ug/l	0.00
Spiked Amount			Recovery	=	38.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	37769	22.390	ug/l	98
3) Chloromethane	2.12	50	47650	20.406	ug/l	98
4) Vinyl Chloride	2.26	62	53866	21.133	ug/l	99
5) Bromomethane	2.65	94	45885	19.004	ug/l	97
6) Chloroethane	2.80	64	32218	20.759	ug/l	99
7) Trichlorofluoromethane	3.13	101	67221	21.268	ug/l	98
8) Diethyl Ether	3.54	74	20791	20.034	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	37464	21.278	ug/l	99
10) Methyl Iodide	4.10	142	28641	27.638	ug/l	98
11) Tert butyl alcohol	4.98	59	28203	133.285	ug/l #	93
12) 1,1-Dichloroethene	3.88	96	37025	21.335	ug/l	96
13) Acrolein	3.74	56	19942	101.015	ug/l	100
14) Allyl chloride	4.49	41	67792	21.849	ug/l	99
15) Acrylonitrile	5.19	53	53902	107.264	ug/l	99
16) Acetone	3.96	43	66363	115.926	ug/l	97
17) Carbon Disulfide	4.21	76	118972	21.031	ug/l	98
18) Methyl Acetate	4.49	43	28422	21.957	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	90981	20.108	ug/l	100
20) Methylene Chloride	4.73	84	42027	18.094	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	42270	20.819	ug/l	96
22) Diisopropyl ether	6.13	45	121587	21.155	ug/l	97
23) Vinyl Acetate	6.08	43	448970	106.163	ug/l	99
24) 1,1-Dichloroethane	6.04	63	74982	20.941	ug/l	99
25) 2-Butanone	7.00	43	88962	111.873	ug/l	97
26) 2,2-Dichloropropane	6.99	77	69668	21.564	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	46416	20.612	ug/l	99
28) Bromochloromethane	7.34	49	35465	20.205	ug/l	100
29) Tetrahydrofuran	7.36	42	49887	110.142	ug/l	99
30) Chloroform	7.52	83	73550	20.367	ug/l	98
31) Cyclohexane	7.80	56	68838	21.452	ug/l #	93
32) 1,1,1-Trichloroethane	7.72	97	69786	21.015	ug/l	98
36) 1,1-Dichloropropene	7.93	75	59893	20.607	ug/l	100
37) Ethyl Acetate	7.09	43	37571	21.872	ug/l	99
38) Carbon Tetrachloride	7.91	117	63065	20.754	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	66641	20.802	ug/l	99
40) Benzene	8.17	78	169355	20.628	ug/l	100
41) Methacrylonitrile	7.33	41	19119m	21.882	ug/l	
42) 1,2-Dichloroethane	8.25	62	53849	20.669	ug/l	100
43) Isopropyl Acetate	8.28	43	67398	21.055	ug/l	100
44) Trichloroethene	8.94	130	46389	19.310	ug/l	98
45) 1,2-Dichloropropane	9.22	63	42557	20.395	ug/l	98
46) Dibromomethane	9.32	93	23073	19.593	ug/l	99
47) Bromodichloromethane	9.50	83	57649	19.949	ug/l	99
48) Methyl methacrylate	9.30	41	32001	21.123	ug/l	97
49) 1,4-Dioxane	9.31	88	5729	408.392	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	178927	105.029	ug/l	99
52) Toluene	10.25	92	105058	19.949	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	60684	19.752	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	67536	19.642	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	32871	19.571	ug/l	98
56) Ethyl methacrylate	10.51	69	43100	19.108	ug/l	99
57) 1,3-Dichloropropane	10.80	76	57978	19.926	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	118206	100.761	ug/l	99
59) 2-Hexanone	10.83	43	129649	106.754	ug/l	97
60) Dibromochloromethane	10.99	129	40574	19.165	ug/l	99
61) 1,2-Dibromoethane	11.09	107	31829	19.705	ug/l	97
64) Tetrachloroethene	10.72	164	44331	18.217	ug/l	98
65) Chlorobenzene	11.52	112	112824	20.407	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	42284	20.171	ug/l	100
67) Ethyl Benzene	11.60	91	203540	20.545	ug/l	99
68) m/p-Xylenes	11.71	106	154228	40.816	ug/l	100
69) o-Xylene	12.03	106	71028	20.068	ug/l	100
70) Styrene	12.05	104	120072	19.978	ug/l	99
71) Bromoform	12.21	173	27915	19.954	ug/l #	100
73) Isopropylbenzene	12.33	105	197831	21.388	ug/l	100
74) N-amyl acetate	12.14	43	55233	20.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	41282	22.758	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	31445m	23.946	ug/l	
77) Bromobenzene	12.61	156	49874	20.380	ug/l	99
78) n-propylbenzene	12.67	91	234014	21.281	ug/l	100
79) 2-Chlorotoluene	12.76	91	128776	20.878	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	165978	21.041	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	14809	21.948	ug/l	99
82) 4-Chlorotoluene	12.86	91	135015	20.649	ug/l	100
83) tert-Butylbenzene	13.08	119	146420	21.283	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	165018	20.717	ug/l	98
85) sec-Butylbenzene	13.25	105	200068	21.103	ug/l	99
86) p-Isopropyltoluene	13.37	119	184496	20.536	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	93154	20.011	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	94824	20.441	ug/l	99
89) n-Butylbenzene	13.70	91	169033	20.572	ug/l	100
90) Hexachloroethane	13.96	117	31165	21.923	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	85031	20.524	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7583	22.120	ug/l	98

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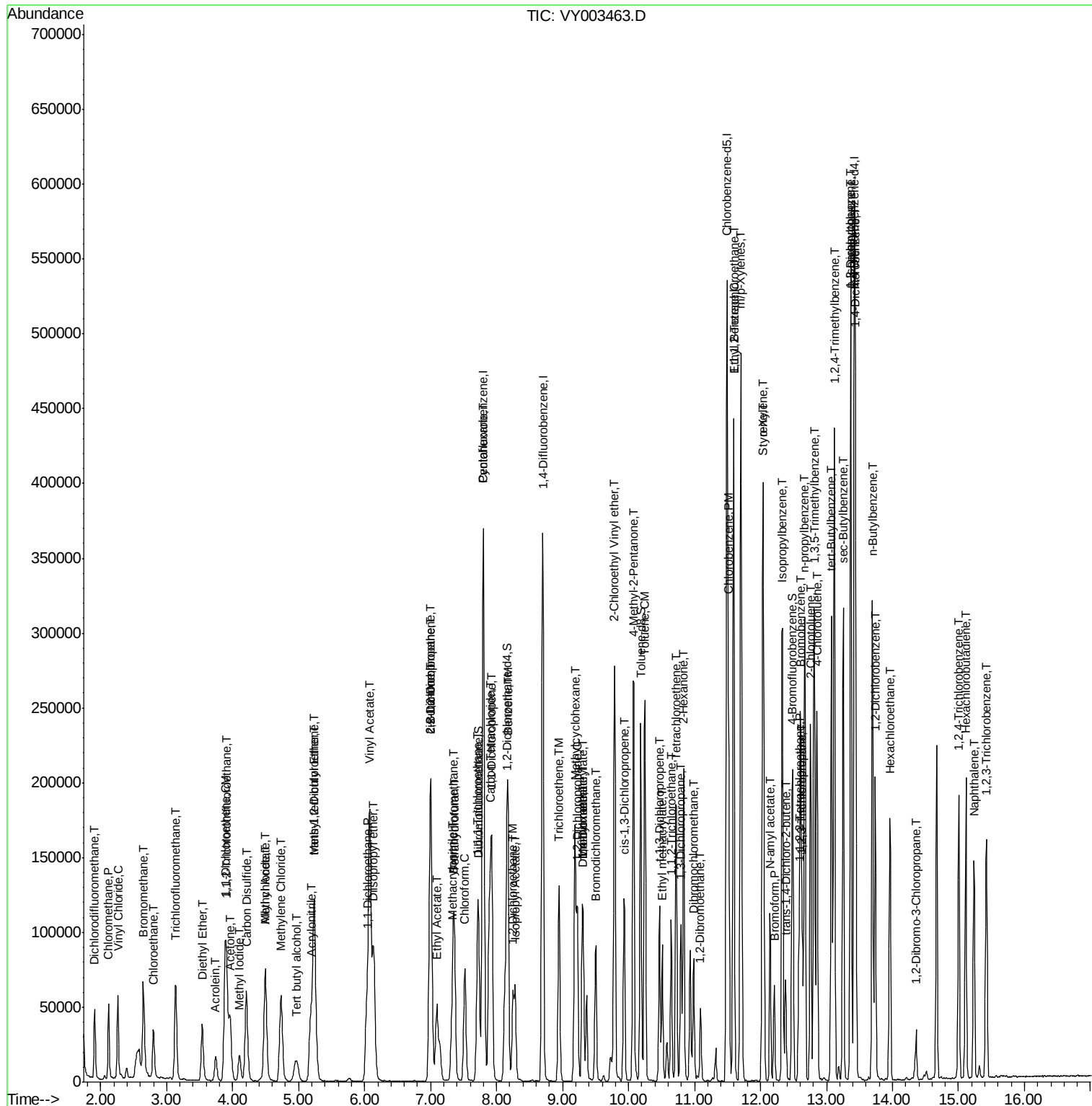
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	60465	19.691	ug/l	99
94) Hexachlorobutadiene	15.11	225	40086	20.030	ug/l	98
95) Naphthalene	15.23	128	116082	21.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	54110	20.232	ug/l	99

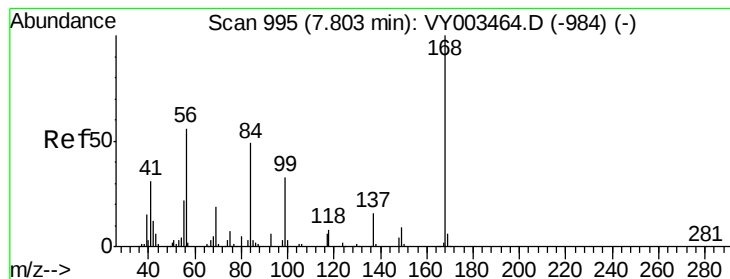
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

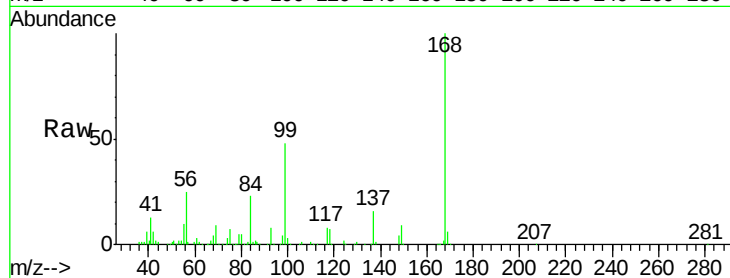
VSTDIC020

Tot Ion:168 Resp: 217188

Ion Ratio Lower Upper

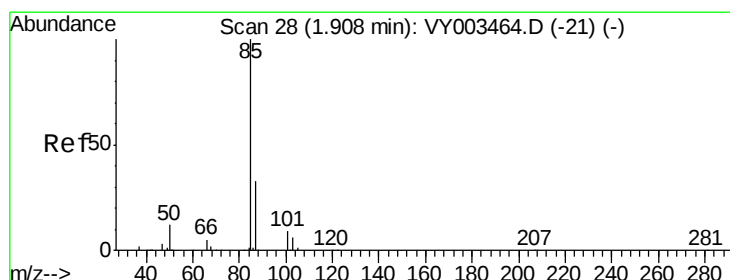
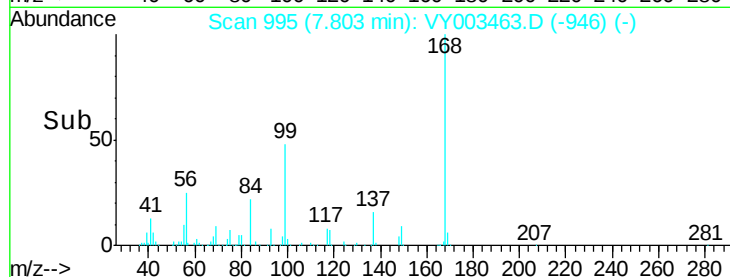
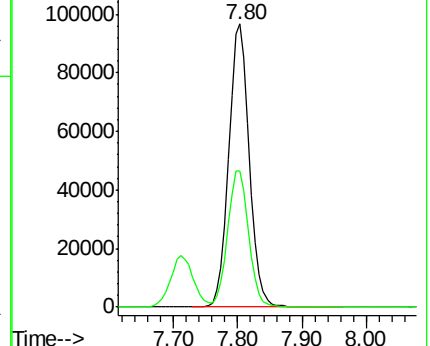
168 100

99 48.2 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY003463.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY003463.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 22.390 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY003463.D

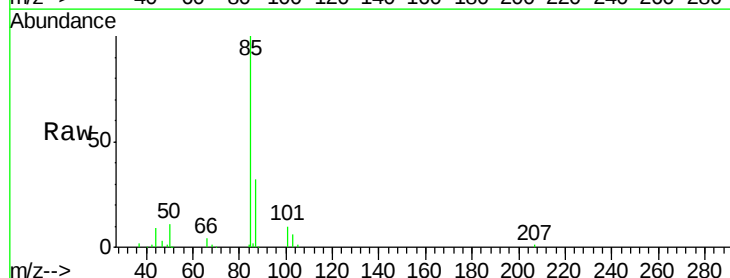
Acq: 02 Nov 2020 10:55

Tgt Ion: 85 Resp: 37769

Ion Ratio Lower Upper

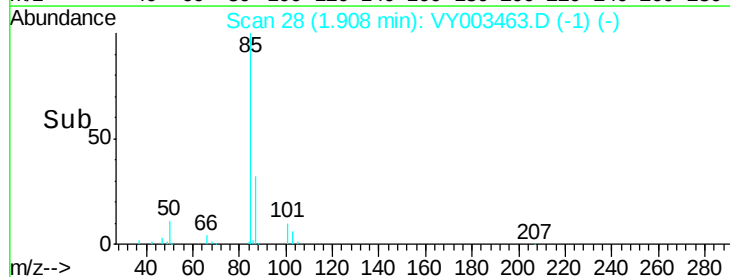
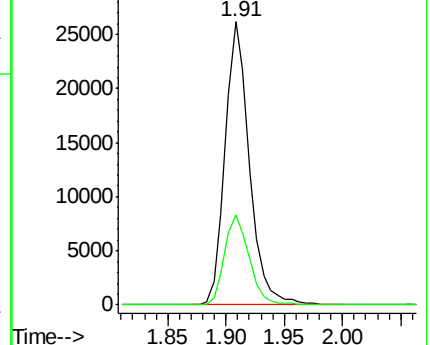
85 100

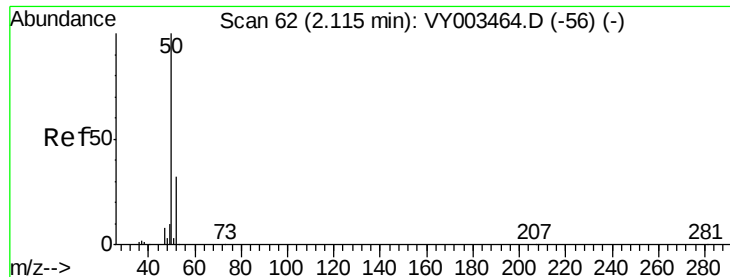
87 31.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VY003463.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY003463.D (-1) (-)





#3

Chloromethane

Concen: 20.406 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

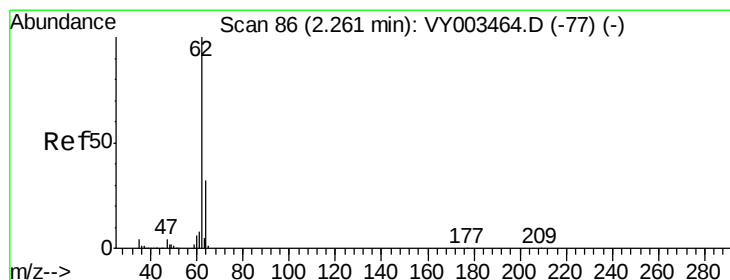
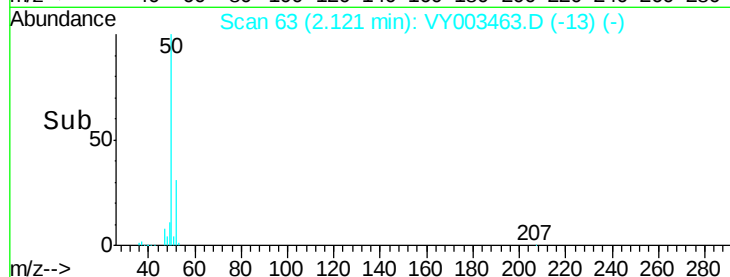
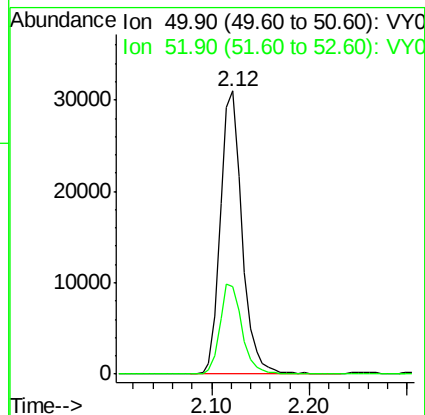
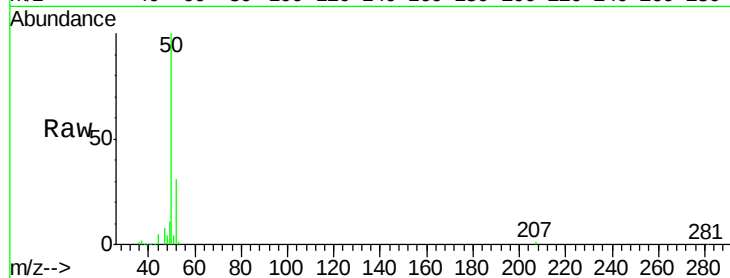
VSTDIC020

Tot Ion: 50 Resp: 47650

Ion Ratio Lower Upper

50 100

52 30.9 25.6 38.4



#4

Vinyl Chloride

Concen: 21.133 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY003463.D

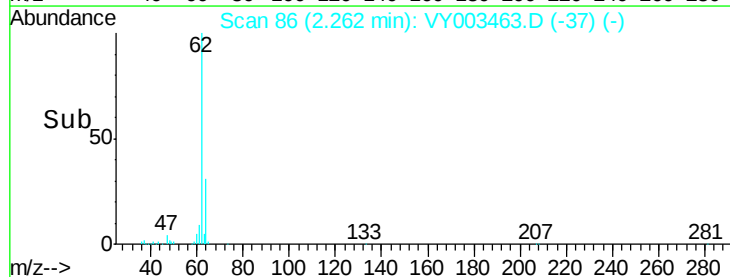
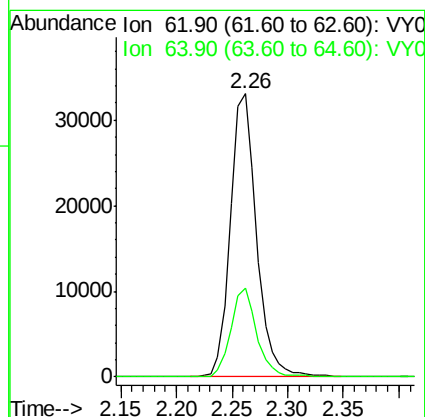
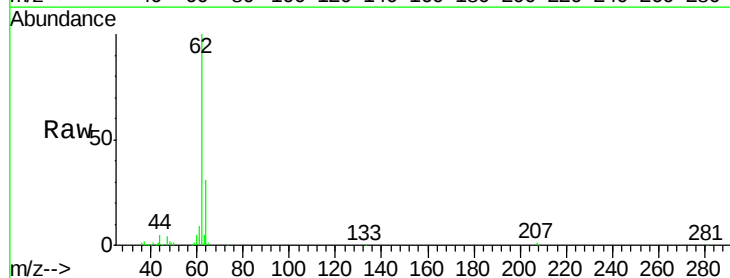
Acq: 02 Nov 2020 10:55

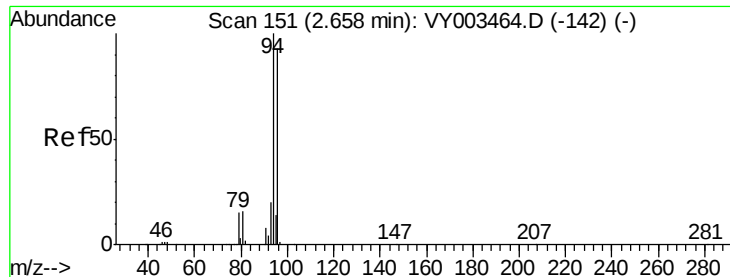
Tgt Ion: 62 Resp: 53866

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 19.004 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

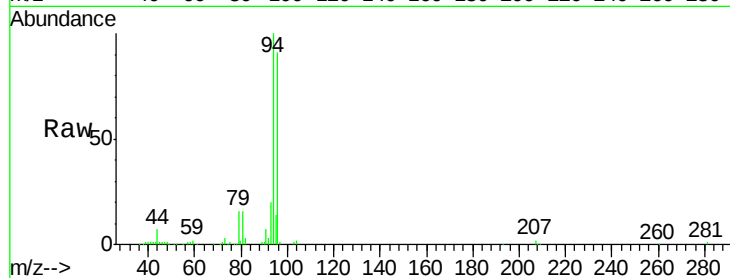
VSTDIC020

Tot Ion: 94 Resp: 45885

Ion Ratio Lower Upper

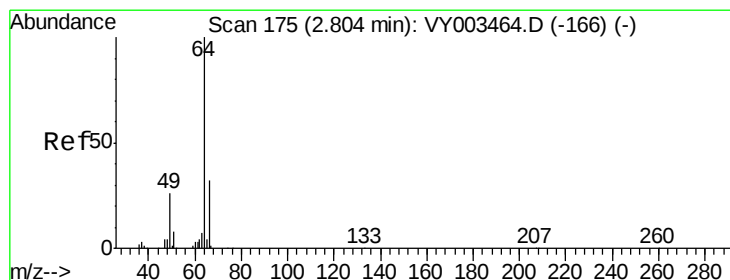
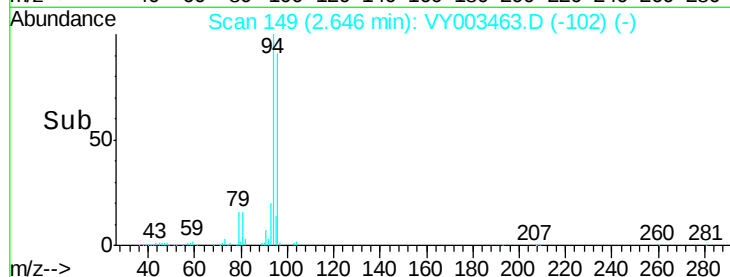
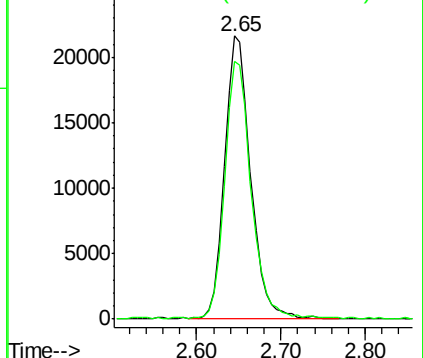
94 100

96 90.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.759 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY003463.D

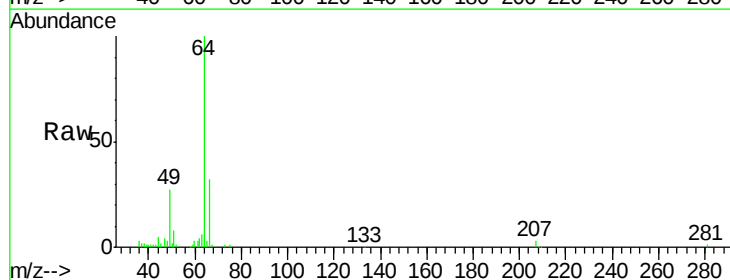
Acq: 02 Nov 2020 10:55

Tgt Ion: 64 Resp: 32218

Ion Ratio Lower Upper

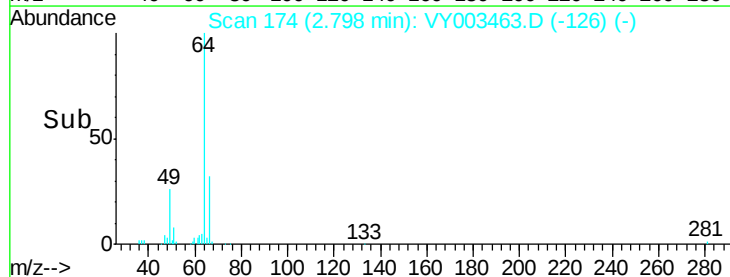
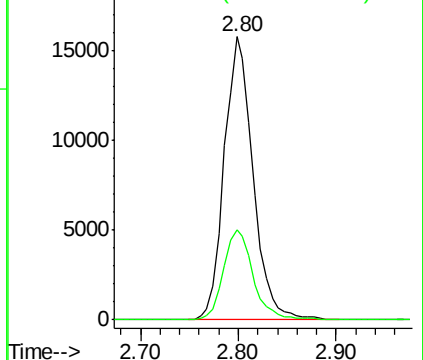
64 100

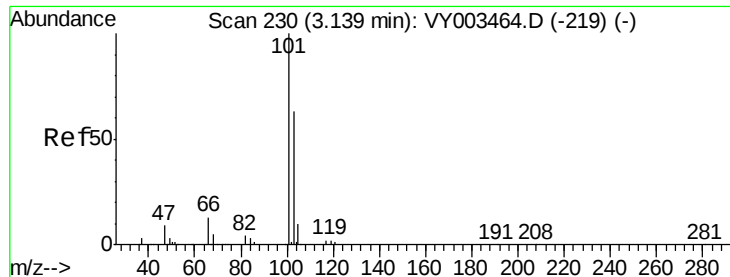
66 31.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



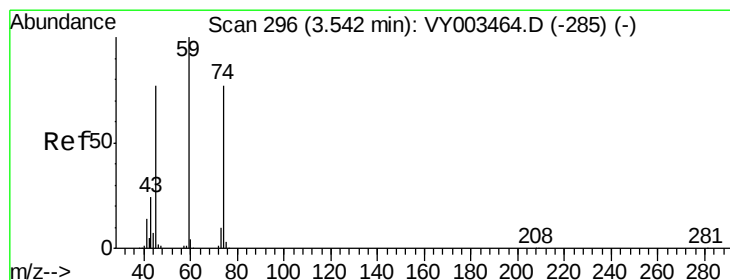
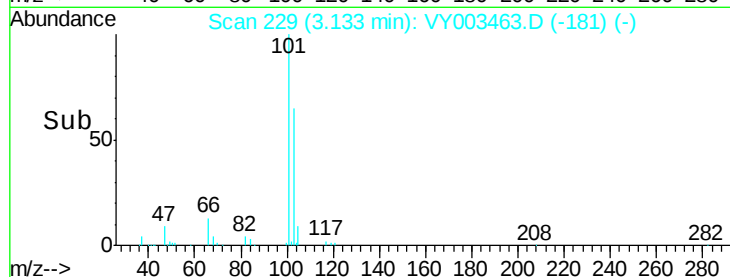
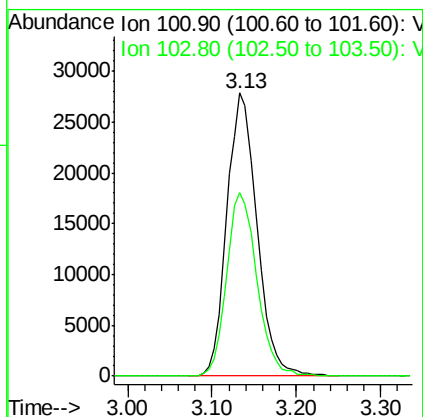
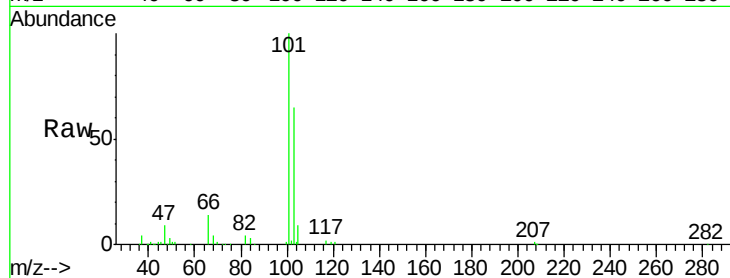


#7

Trichlorofluoromethane
Concen: 21.268 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY003463.D
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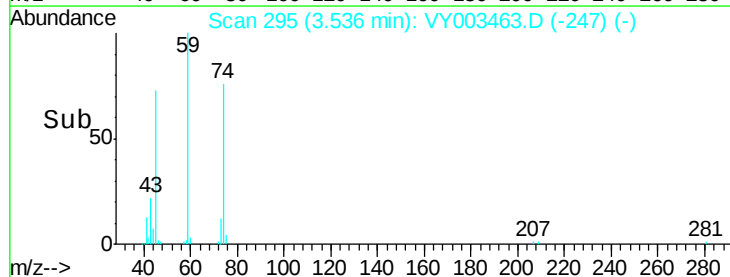
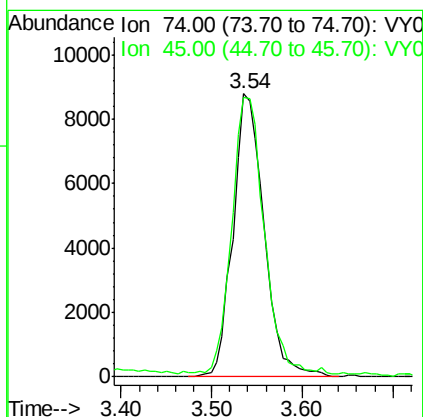
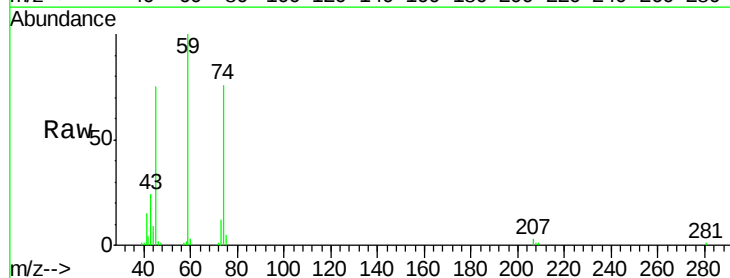
Tot Ion:101 Resp: 67221
Ion Ratio Lower Upper
101 100
103 65.1 50.7 76.1

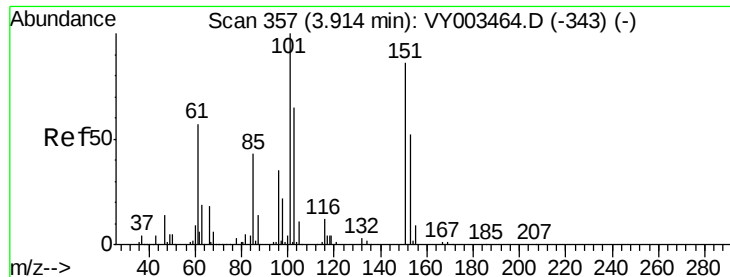


#8

Diethyl Ether
Concen: 20.034 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 74 Resp: 20791
Ion Ratio Lower Upper
74 100
45 103.0 50.7 152.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.278 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

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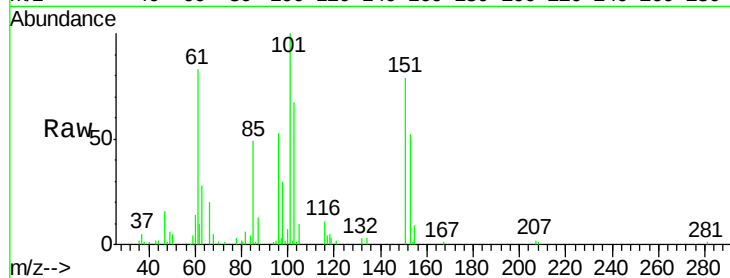
Tot Ion:101 Resp: 37464

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.8

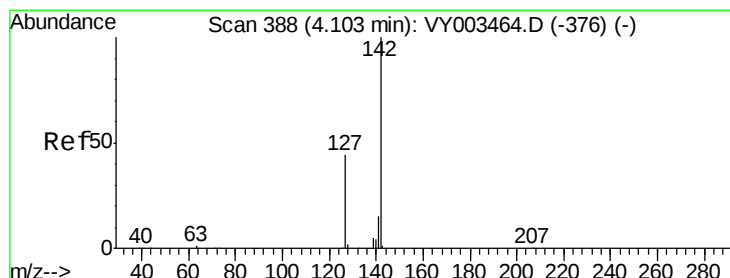
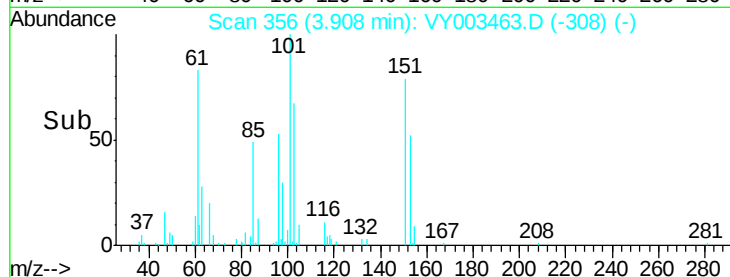
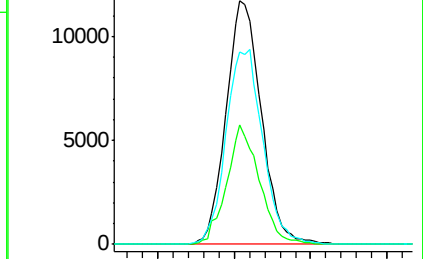
151 83.4 67.6 101.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.638 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

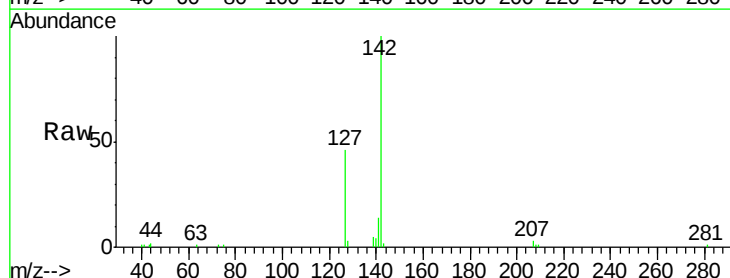
Tgt Ion:142 Resp: 28641

Ion Ratio Lower Upper

142 100

127 44.5 34.5 51.7

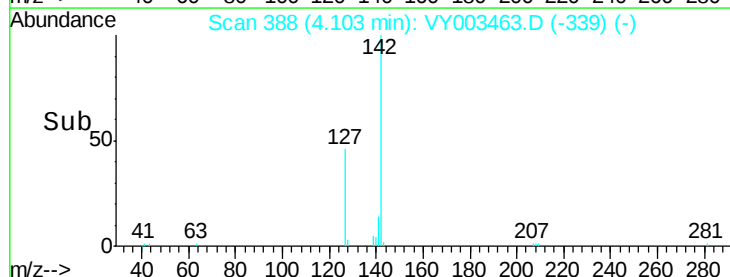
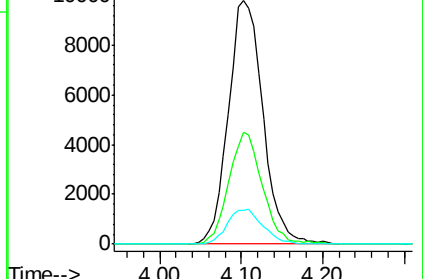
141 14.8 11.8 17.8

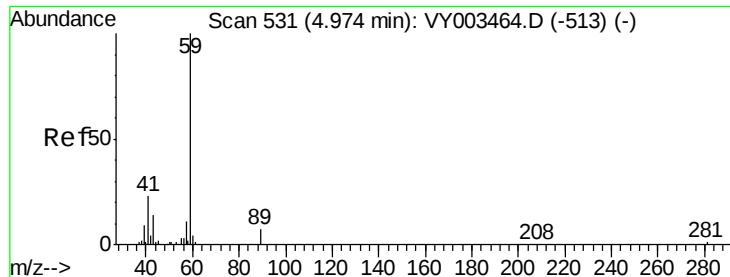


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

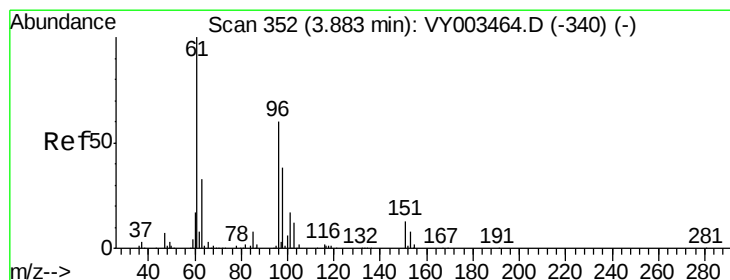
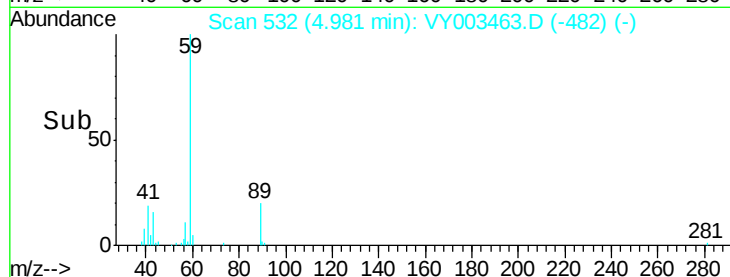
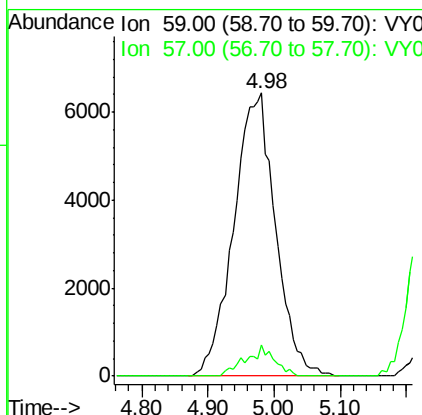
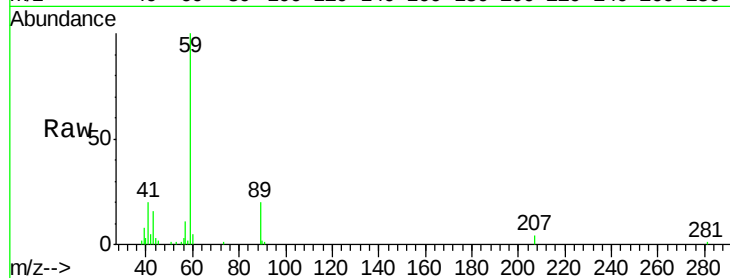




#11
Tert butyl alcohol
Concen: 133.285 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

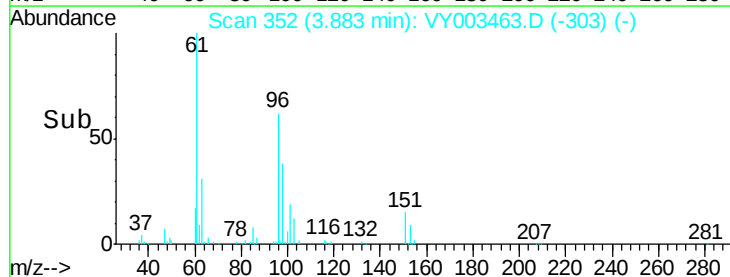
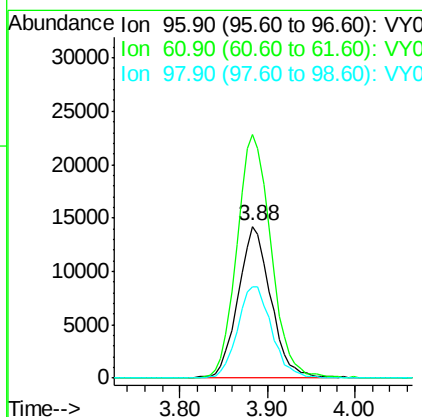
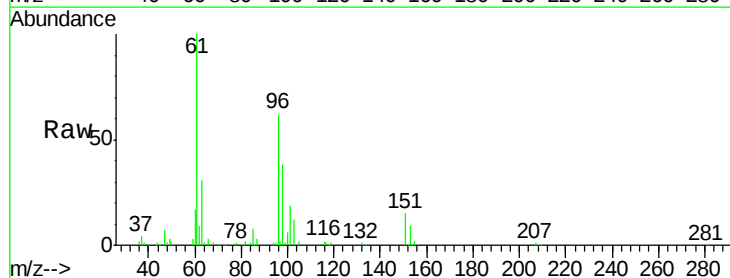
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

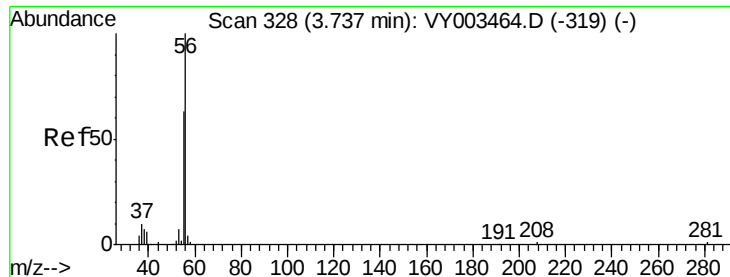
Tot Ion: 59 Resp: 28203
Ion Ratio Lower Upper
59 100
57 7.5 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 21.335 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 96 Resp: 37025
Ion Ratio Lower Upper
96 100
61 160.3 133.6 200.4
98 60.2 50.2 75.2





#13

Acrolein

Concen: 101.015 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

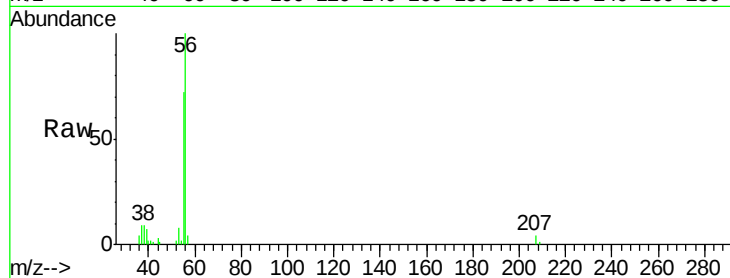
VSTDIC020

Tot Ion: 56 Resp: 19942

Ion Ratio Lower Upper

56 100

55 70.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

8000

6000

4000

2000

0

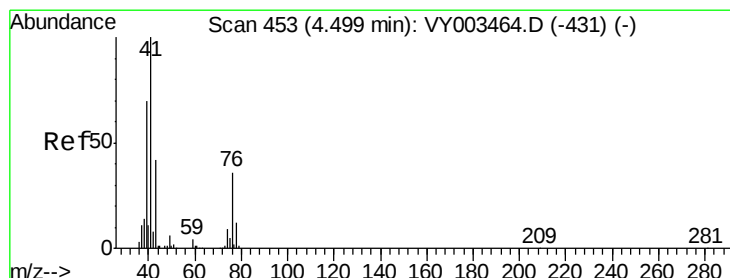
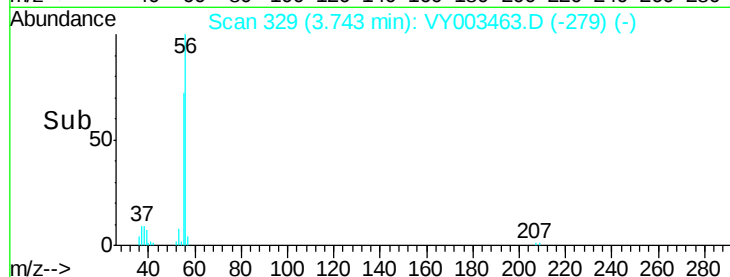
Time-->

3.60

3.70

3.80

3.90



#14

Allyl chloride

Concen: 21.849 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

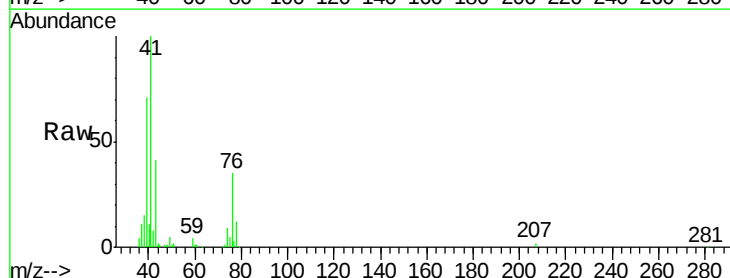
Tgt Ion: 41 Resp: 67792

Ion Ratio Lower Upper

41 100

39 68.6 54.4 81.6

76 33.2 27.6 41.4



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

40000

30000

20000

10000

0

Time-->

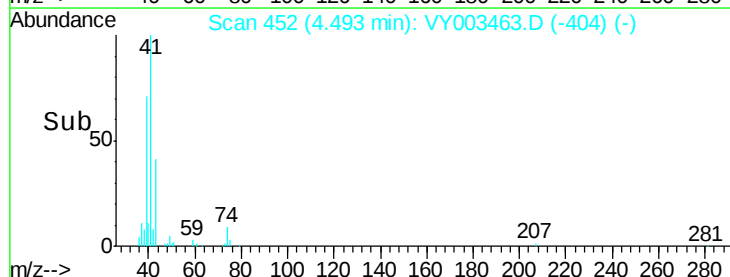
4.30

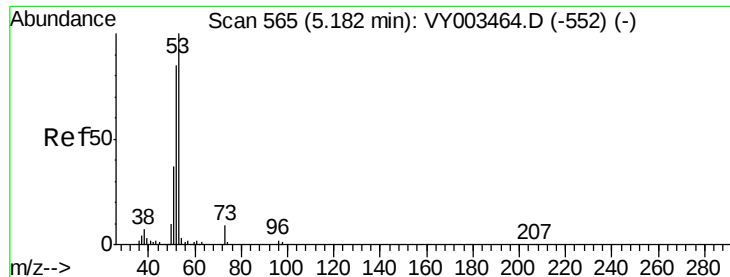
4.40

4.50

4.60

4.70





#15

Acrylonitrile

Concen: 107.264 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

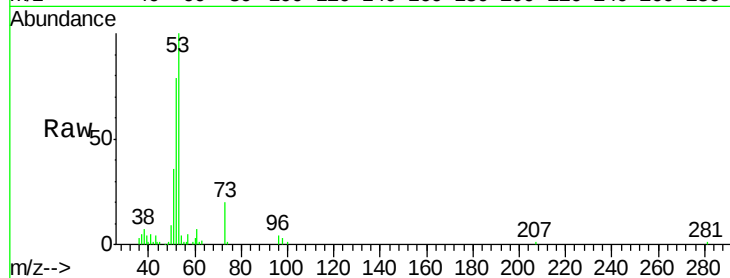
Tot Ion: 53 Resp: 53902

Ion Ratio Lower Upper

53 100

52 84.1 66.9 100.3

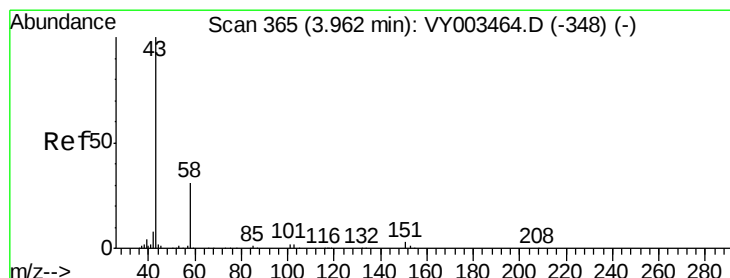
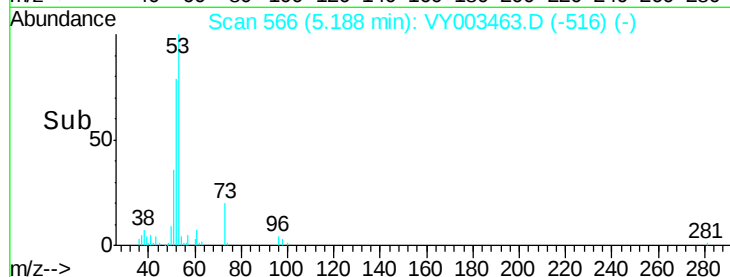
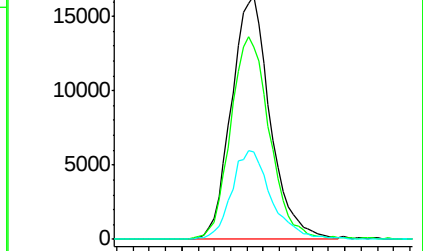
51 37.4 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VY003463.D (-516) (-)

Ion 52.00 (51.70 to 52.70): VY003463.D (-516) (-)

Ion 51.00 (50.70 to 51.70): VY003463.D (-516) (-)



#16

Acetone

Concen: 115.926 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.00 min

Lab File: VY003463.D

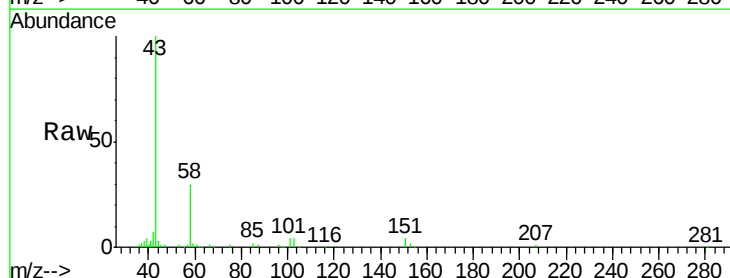
Acq: 02 Nov 2020 10:55

Tgt Ion: 43 Resp: 66363

Ion Ratio Lower Upper

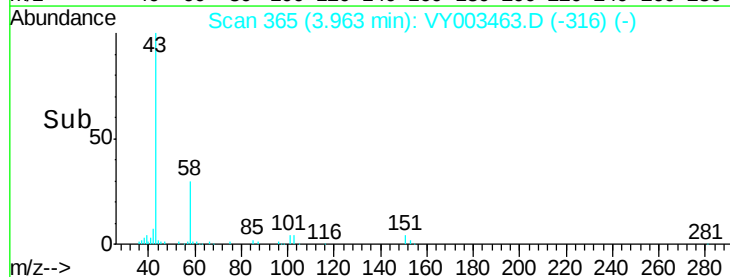
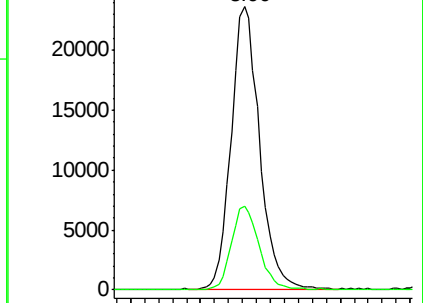
43 100

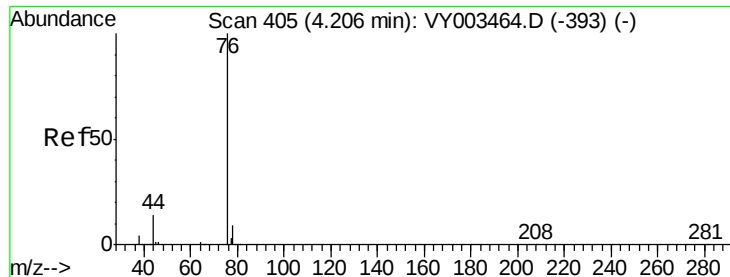
58 29.7 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY003463.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY003463.D (-316) (-)





#17

Carbon Disulfide

Concen: 21.031 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

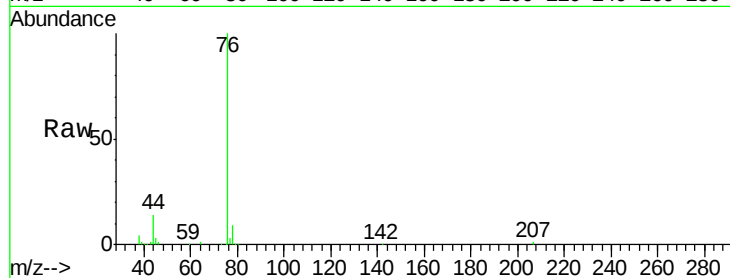
VSTDIC020

Tot Ion: 76 Resp: 118972

Ion Ratio Lower Upper

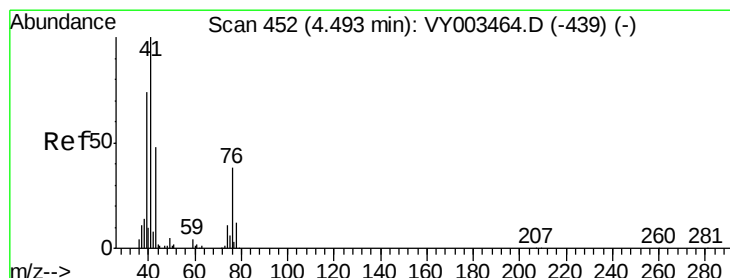
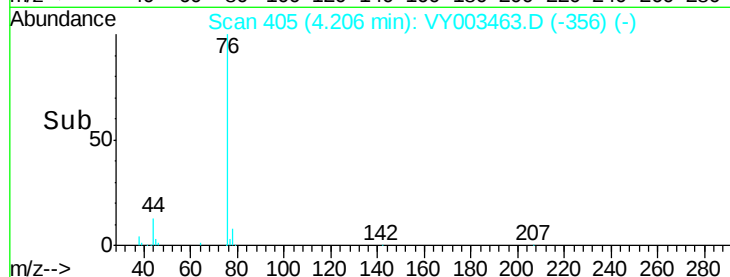
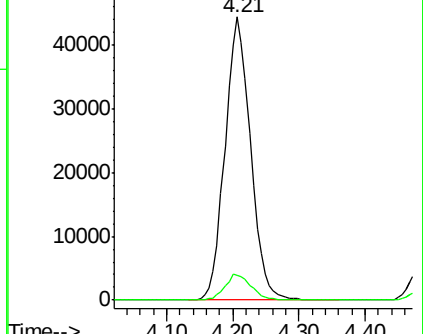
76 100

78 8.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 21.957 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.00 min

Lab File: VY003463.D

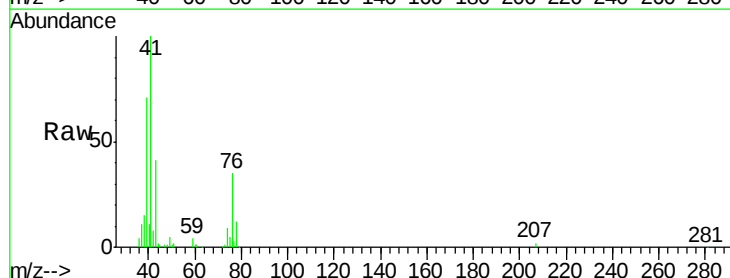
Acq: 02 Nov 2020 10:55

Tgt Ion: 43 Resp: 28422

Ion Ratio Lower Upper

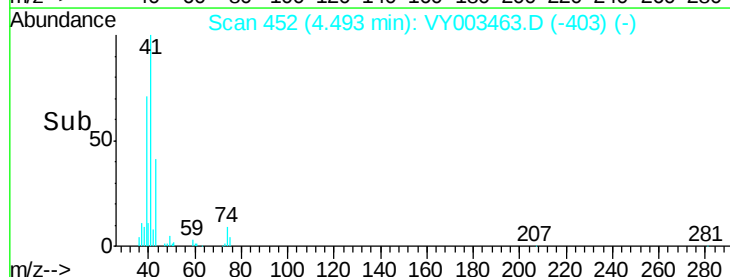
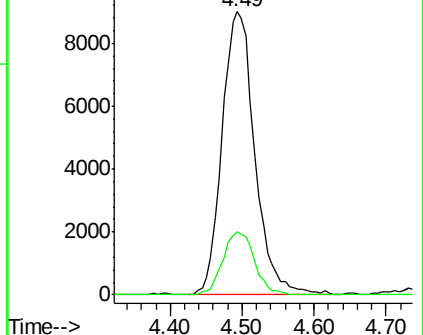
43 100

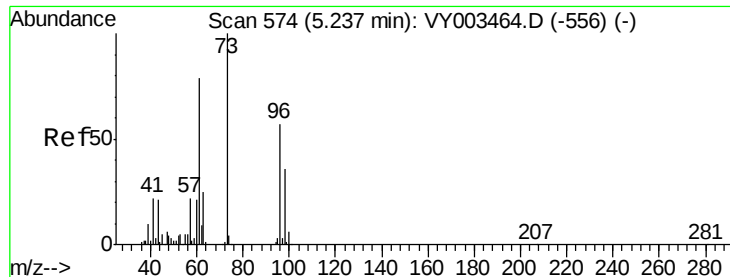
74 21.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

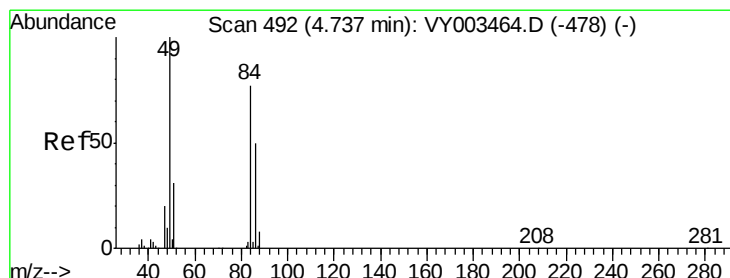
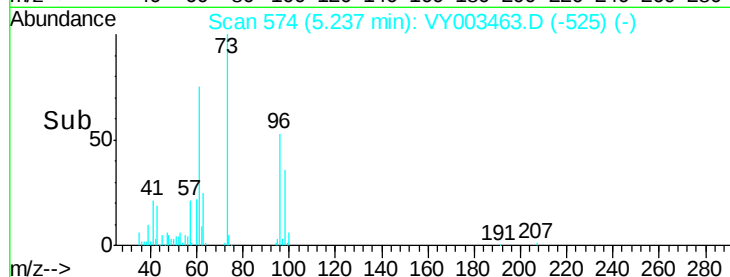
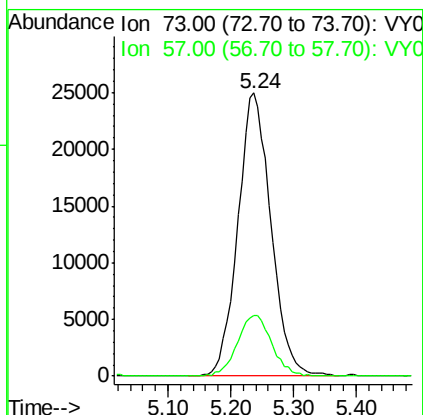
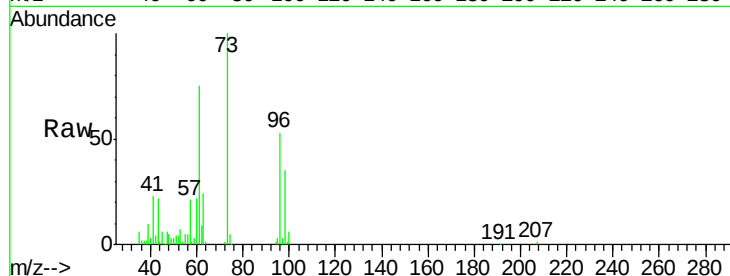




#19
Methvl tert-butvl Ether
Concen: 20.108 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

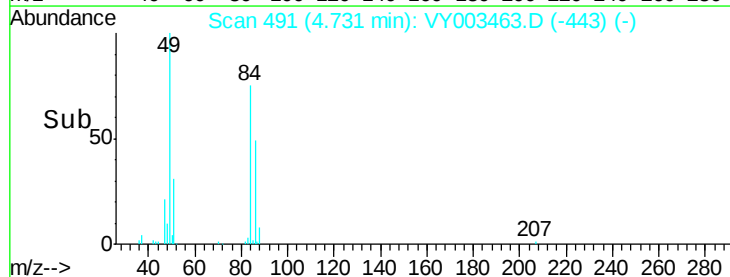
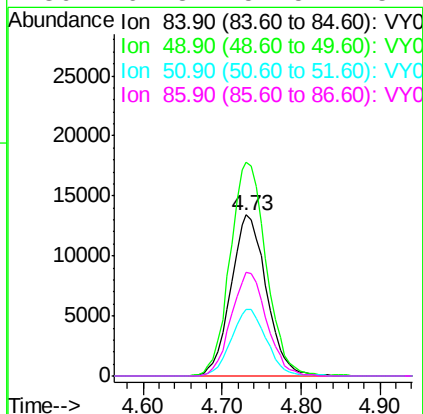
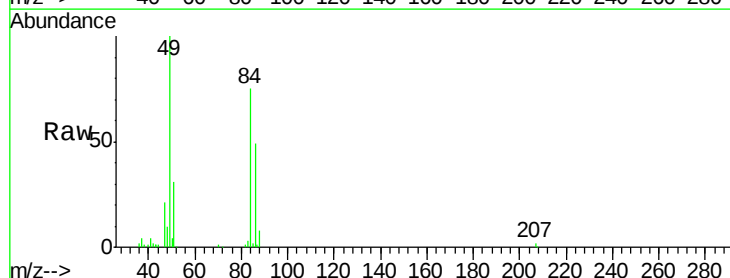
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

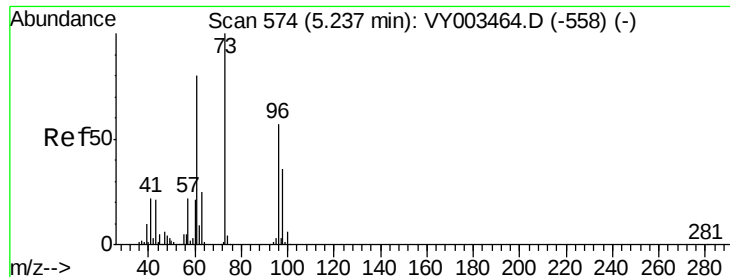
Tot Ion: 73 Resp: 90981
Ion Ratio Lower Upper
73 100
57 21.3 17.2 25.8



#20
Methylene Chloride
Concen: 18.094 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 84 Resp: 42027
Ion Ratio Lower Upper
84 100
49 132.8 104.3 156.5
51 41.7 32.5 48.7
86 64.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.819 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

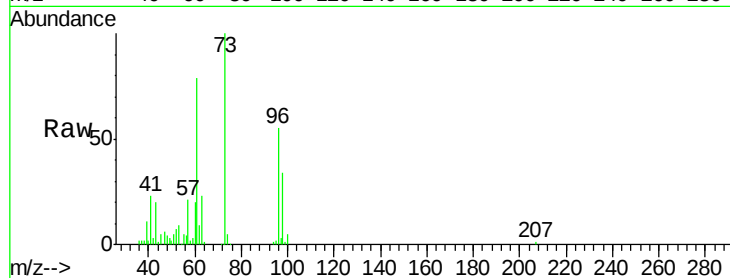
Tot Ion: 96 Resp: 42270

Ion Ratio Lower Upper

96 100

61 144.2 111.3 166.9

98 61.1 50.3 75.5

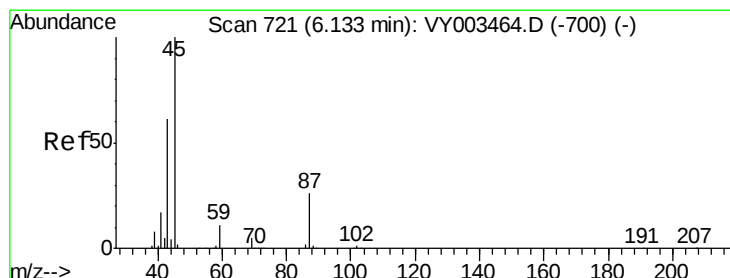
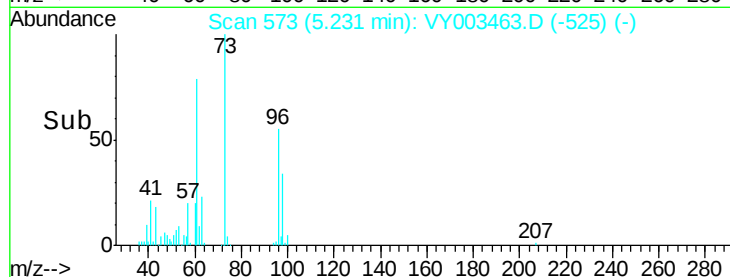
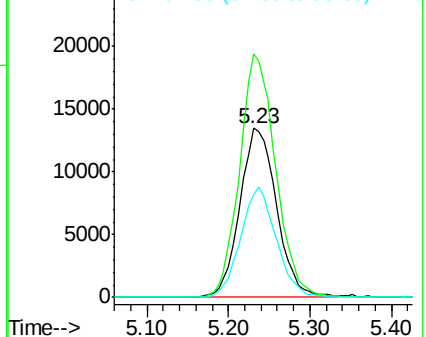


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.155 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Tgt Ion: 45 Resp: 121587

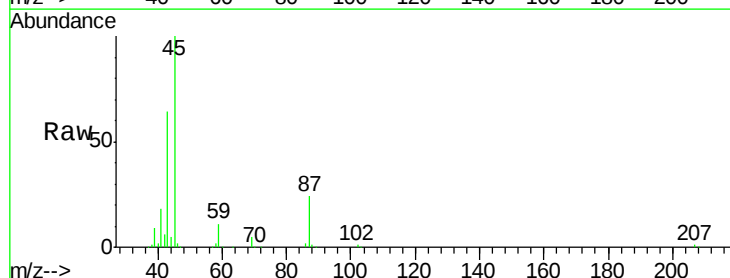
Ion Ratio Lower Upper

45 100

43 63.4 48.8 73.2

87 24.1 20.6 31.0

59 10.7 9.0 13.4



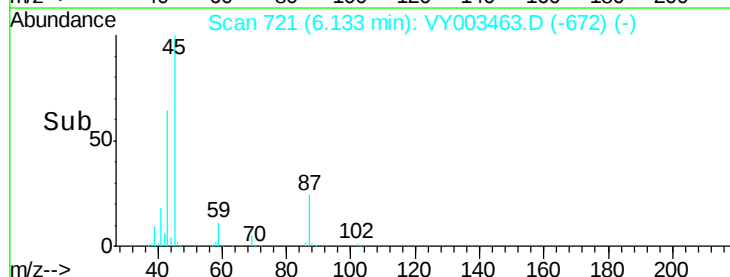
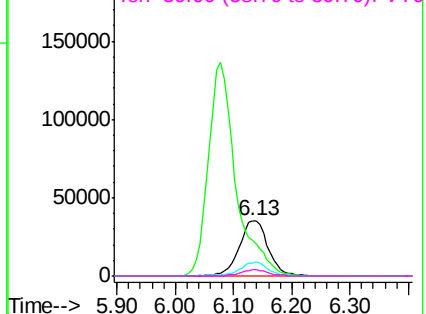
Abundance

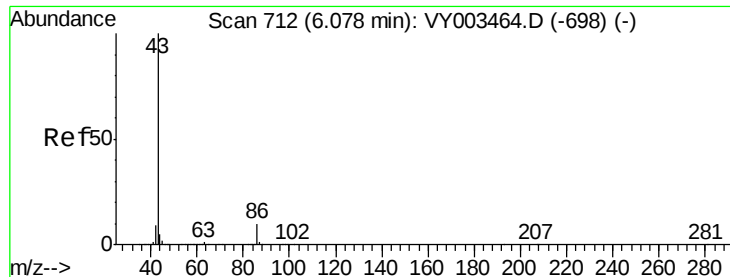
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 106.163 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

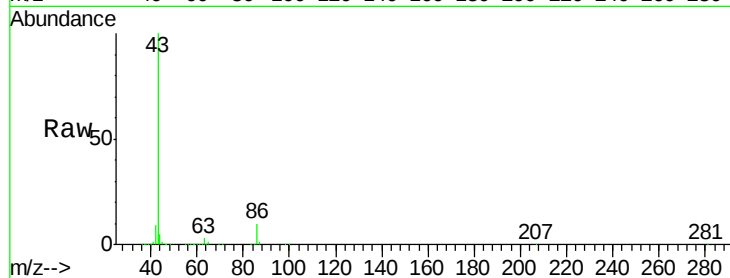
VSTDIC020

Tot Ion: 43 Resp: 448970

Ion Ratio Lower Upper

43 100

86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

150000

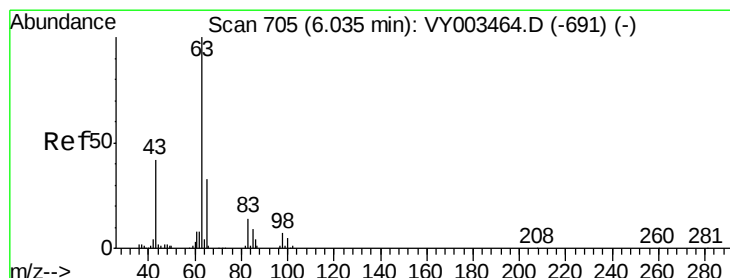
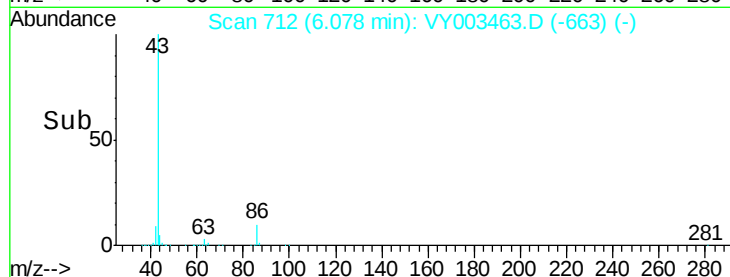
100000

50000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 20.941 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

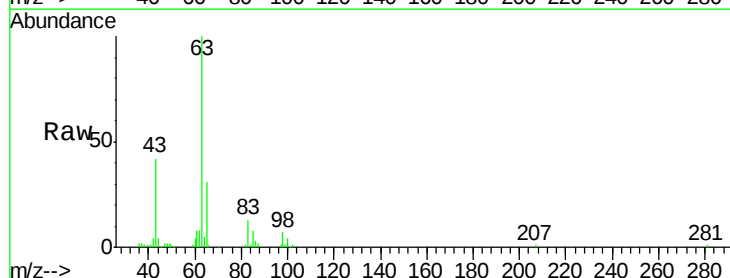
Tgt Ion: 63 Resp: 74982

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.8

100 4.1 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

30000

25000

20000

15000

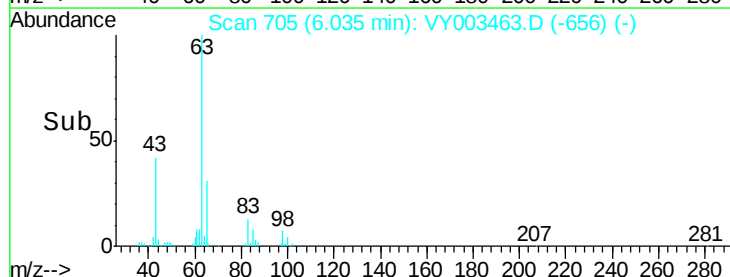
10000

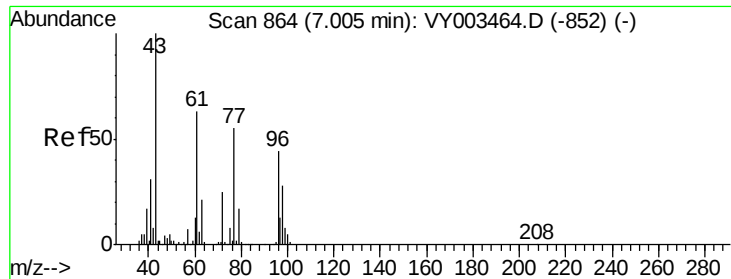
5000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 111.873 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

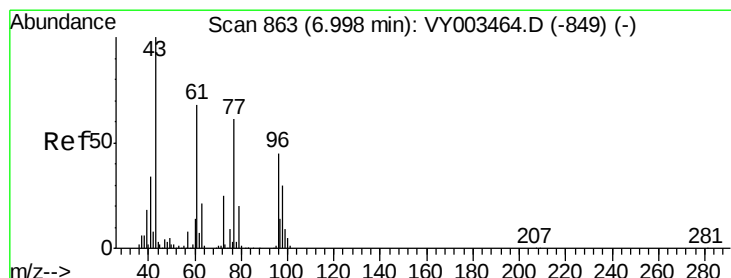
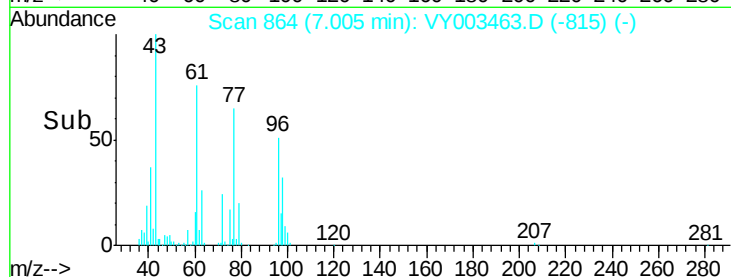
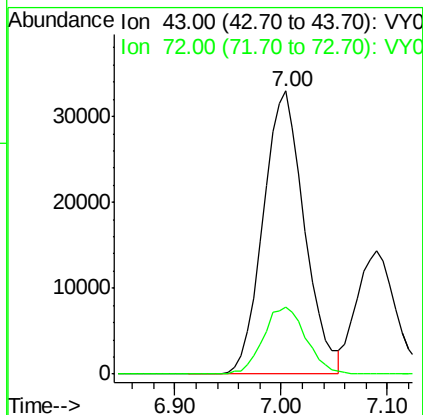
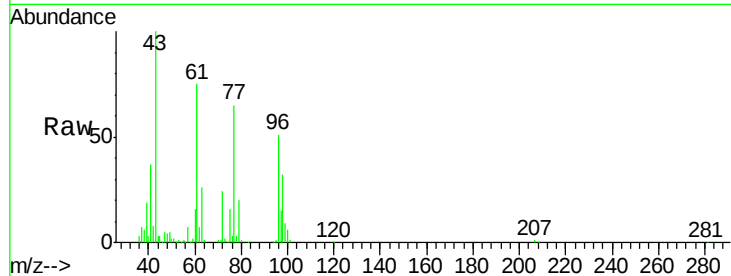
VSTDIC020

Tot Ion: 43 Resp: 88962

Ion Ratio Lower Upper

43 100

72 23.6 20.1 30.1



#26

2,2-Dichloropropane

Concen: 21.564 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY003463.D

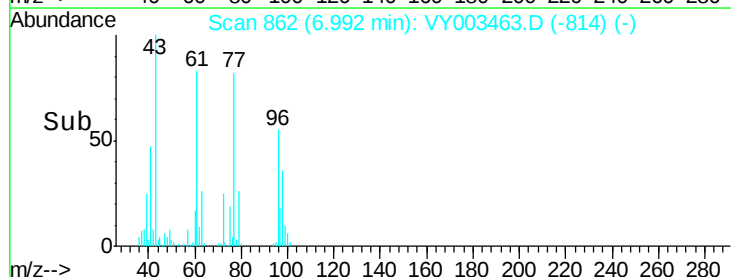
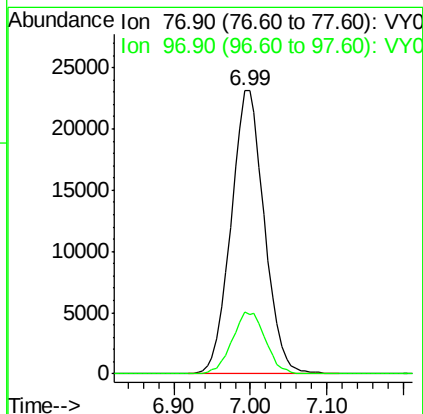
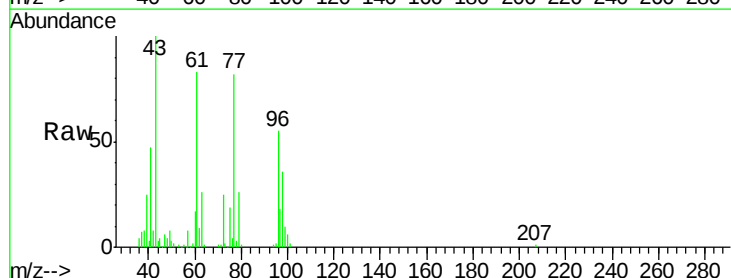
Acq: 02 Nov 2020 10:55

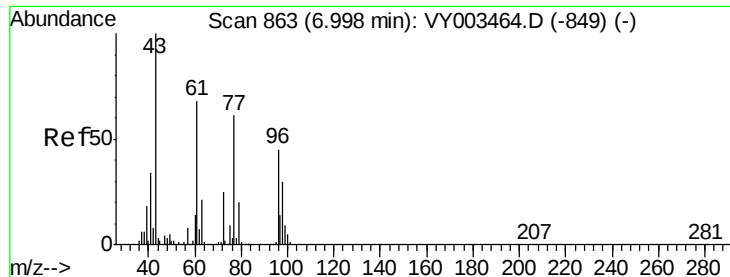
Tgt Ion: 77 Resp: 69668

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.6



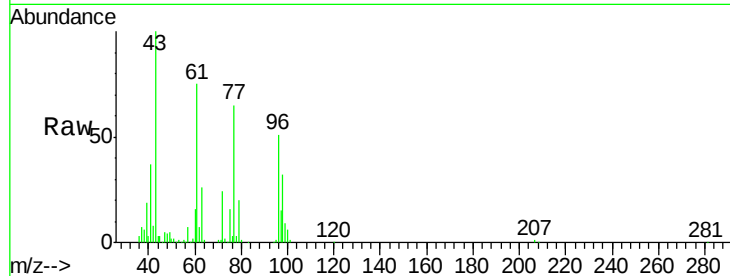


#27

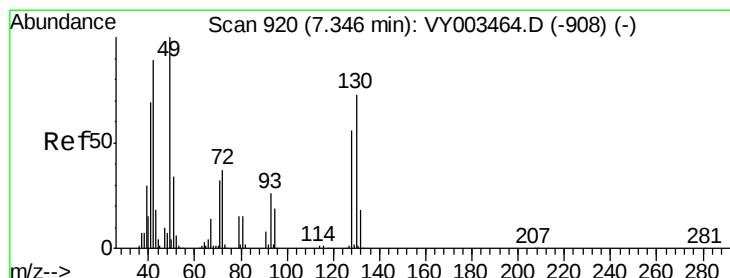
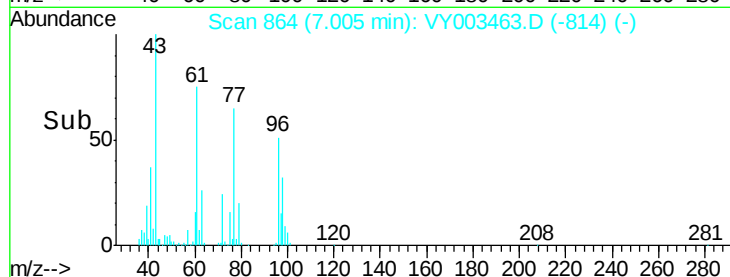
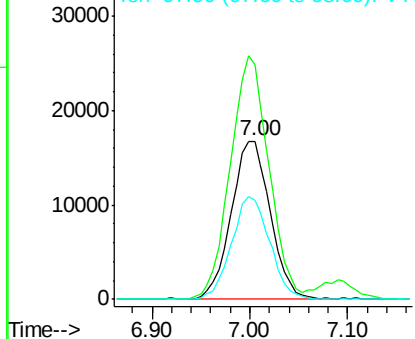
cis-1,2-Dichloroethene
 Concen: 20.612 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	96	Resp	46416
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	299.2
98	63.6	0.0	128.6



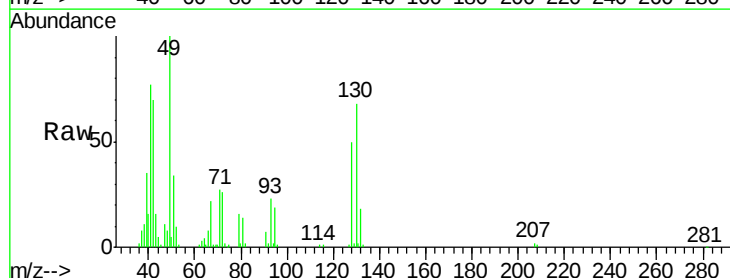
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



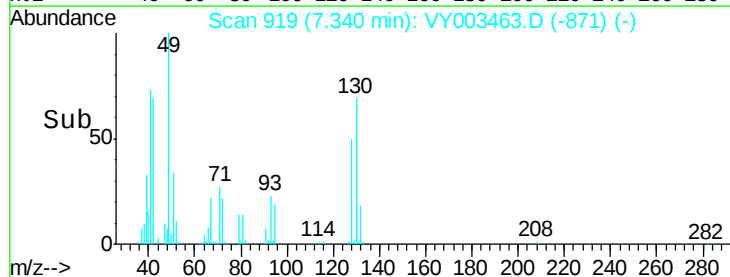
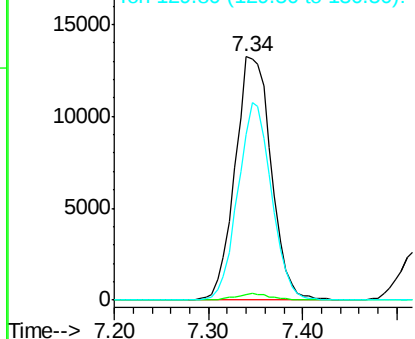
#28

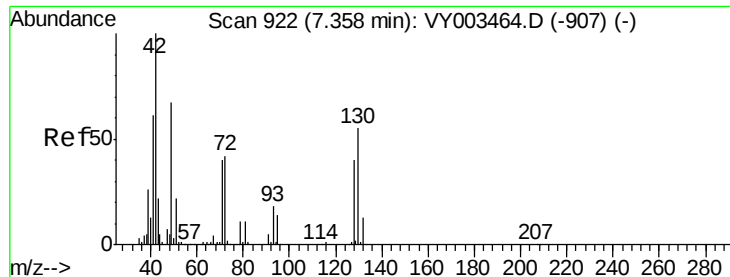
Bromochloromethane
 Concen: 20.205 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion	49	Resp	35465
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	75.3	60.0	90.0



Abundance Ion 48.90 (48.60 to 49.60): VY0
 Ion 128.80 (128.50 to 129.50): VY0
 Ion 129.80 (129.50 to 130.50): VY0





#29

Tetrahydrofuran

Concen: 110.142 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

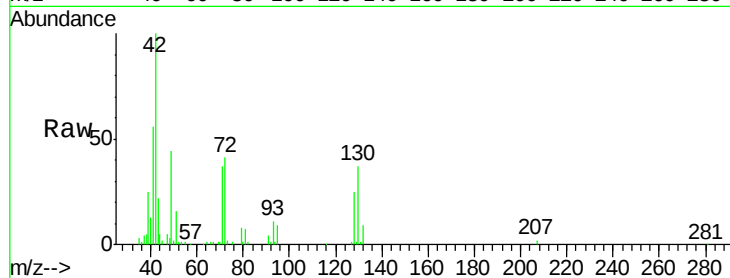
Tot Ion: 42 Resp: 49887

Ion Ratio Lower Upper

42 100

72 40.0 32.8 49.2

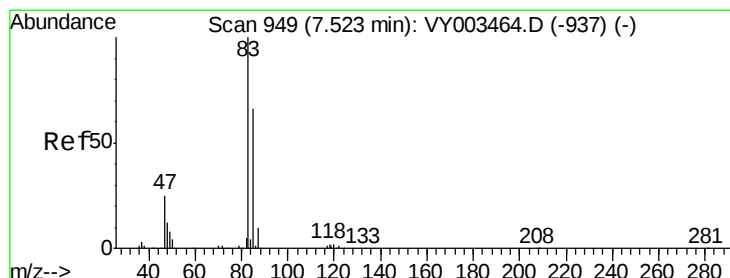
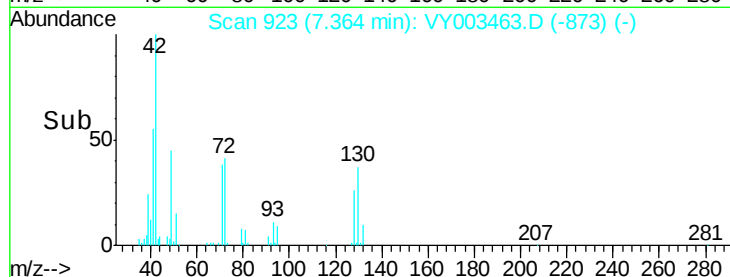
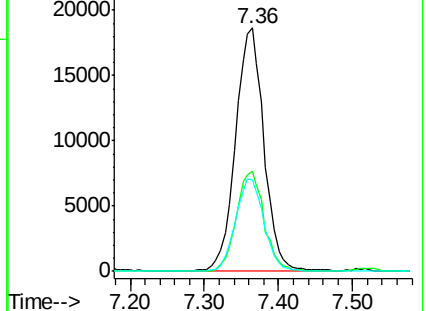
71 37.8 30.7 46.1



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 20.367 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY003463.D

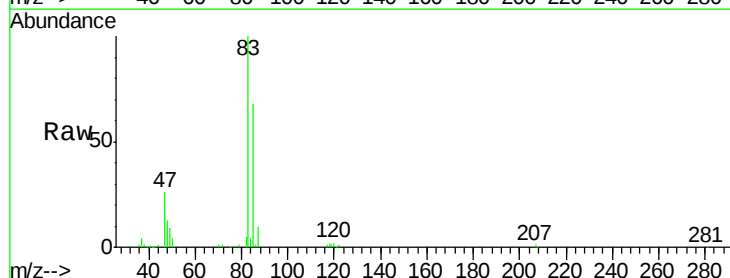
Acq: 02 Nov 2020 10:55

Tgt Ion: 83 Resp: 73550

Ion Ratio Lower Upper

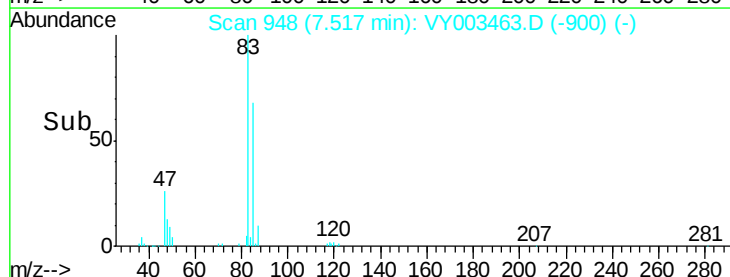
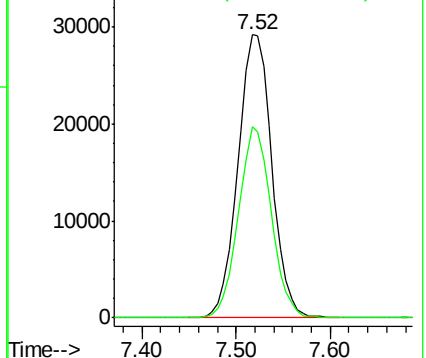
83 100

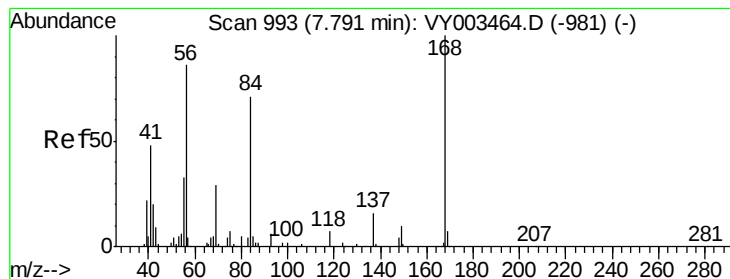
85 67.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 21.452 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

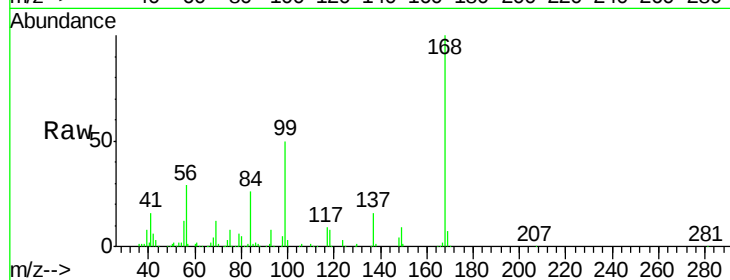
Tot Ion: 56 Resp: 68838

Ion Ratio Lower Upper

56 100

69 40.4 26.6 39.8#

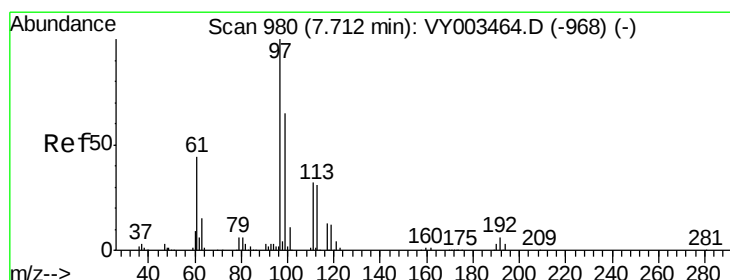
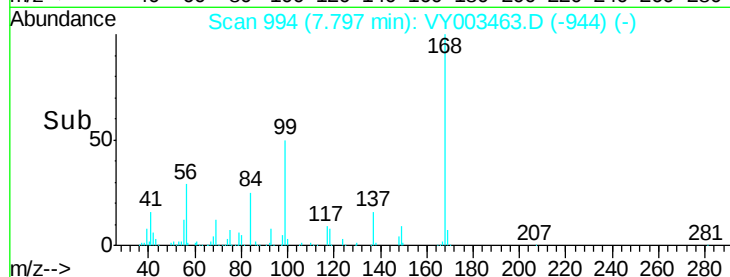
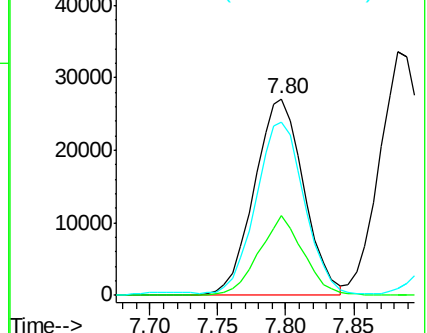
84 86.6 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VY003463.D (-944) (-)

Ion 69.00 (68.70 to 69.70): VY003463.D (-944) (-)

Ion 84.00 (83.70 to 84.70): VY003463.D (-944) (-)



#32

1,1,1-Trichloroethane

Concen: 21.015 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

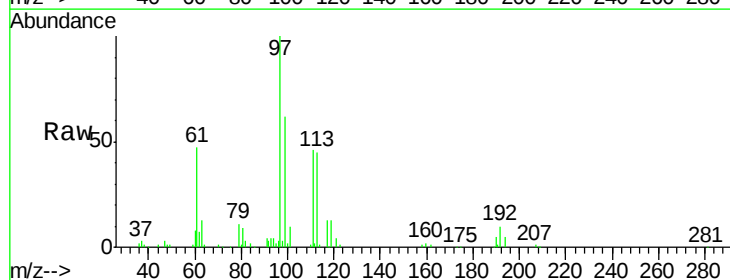
Tgt Ion: 97 Resp: 69786

Ion Ratio Lower Upper

97 100

99 63.4 51.6 77.4

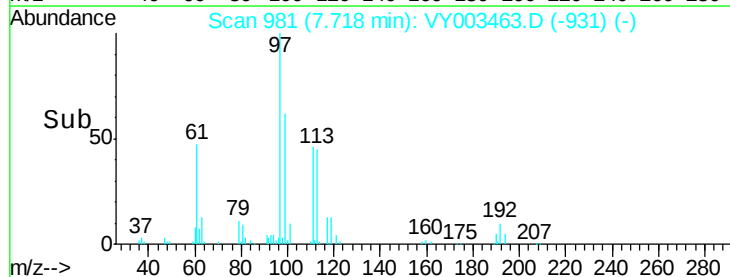
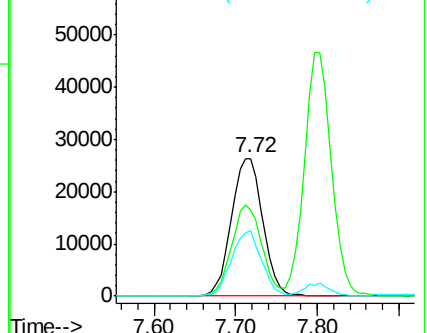
61 45.7 35.1 52.7

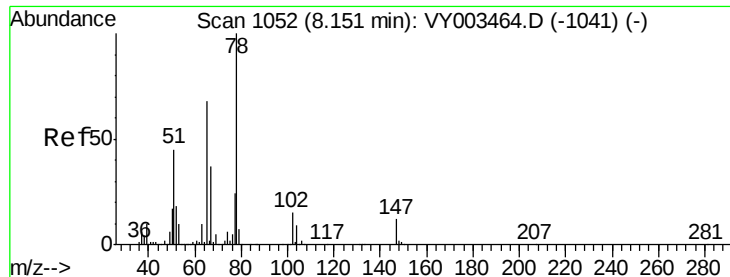


Abundance Ion 96.90 (96.60 to 97.60): VY003463.D (-931) (-)

Ion 98.90 (98.60 to 99.60): VY003463.D (-931) (-)

Ion 60.90 (60.60 to 61.60): VY003463.D (-931) (-)

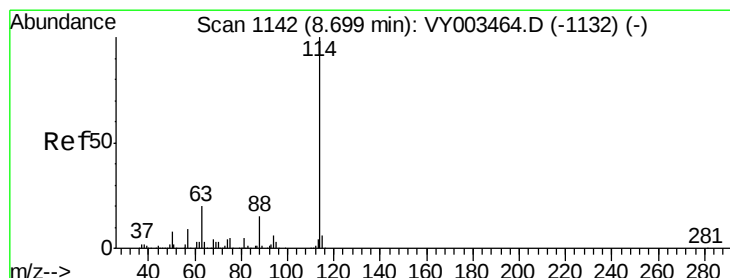
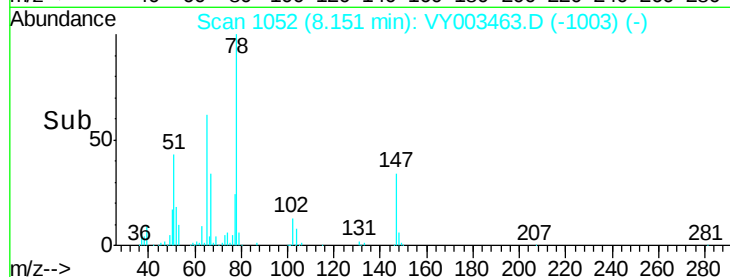
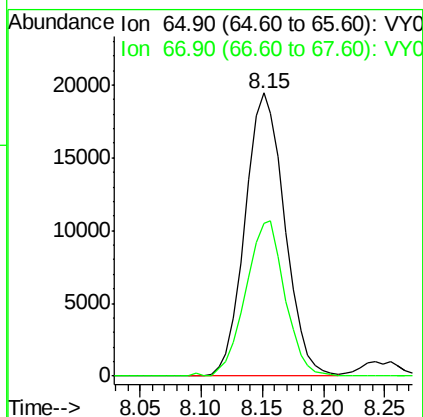
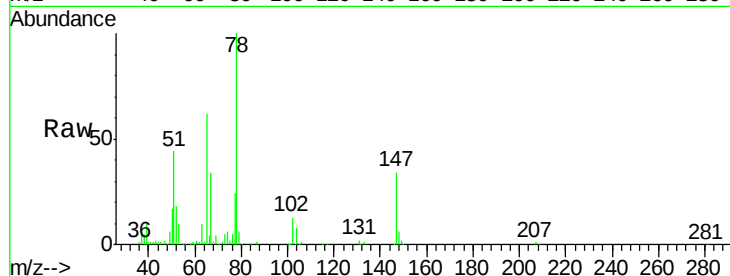




#33
 1,2-Dichloroethane-d4
 Concen: 20.099 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

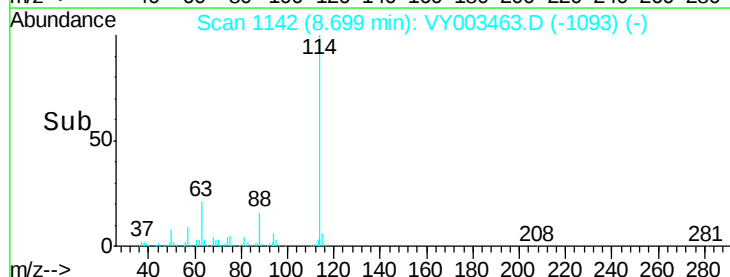
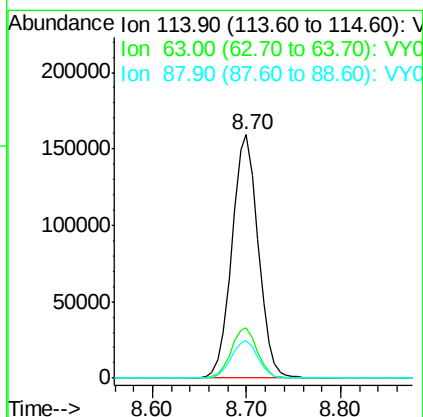
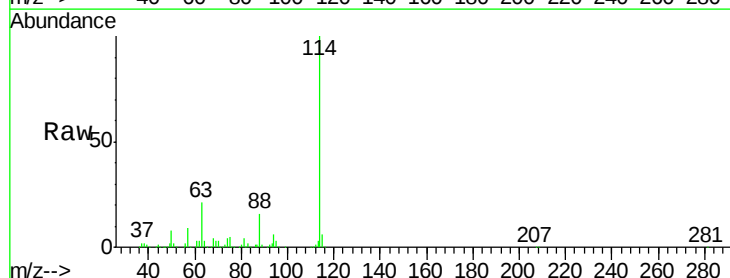
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

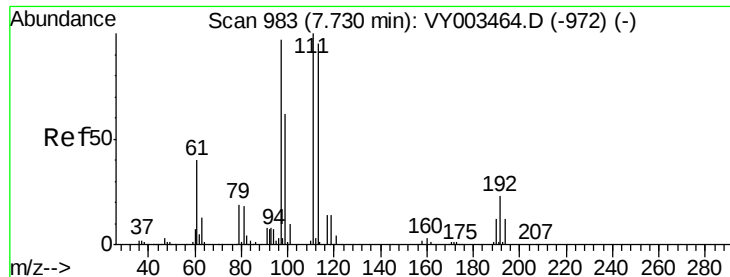
Tot Ion: 65 Resp: 43777
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion: 114 Resp: 308929
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.6
 88 15.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 19.952 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

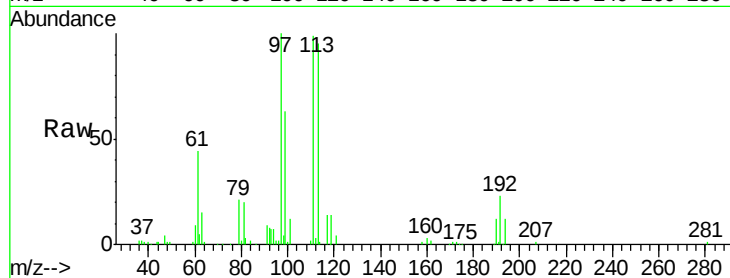
Tot Ion:113 Resp: 36856

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.6

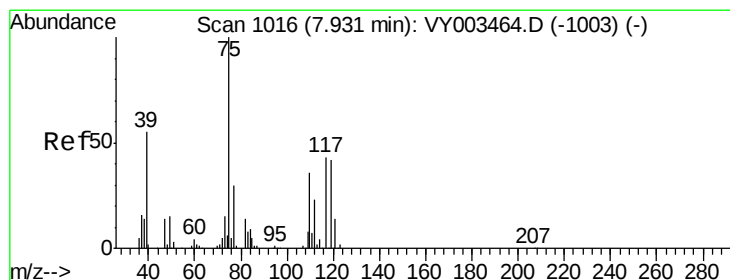
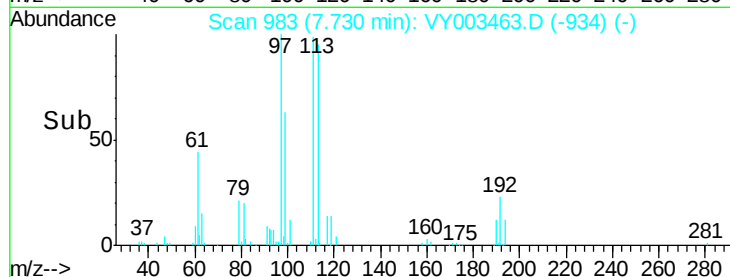
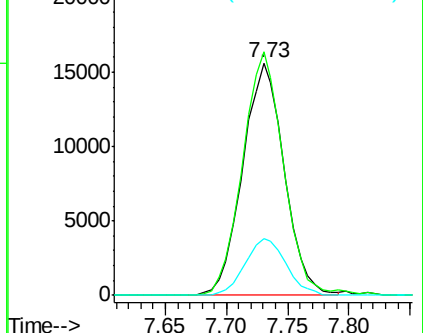
192 23.8 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.607 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

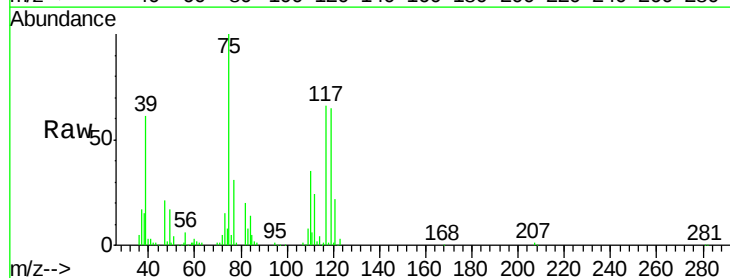
Tgt Ion: 75 Resp: 59893

Ion Ratio Lower Upper

75 100

110 35.3 17.6 52.9

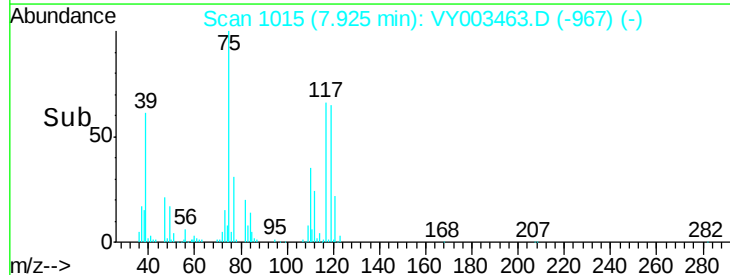
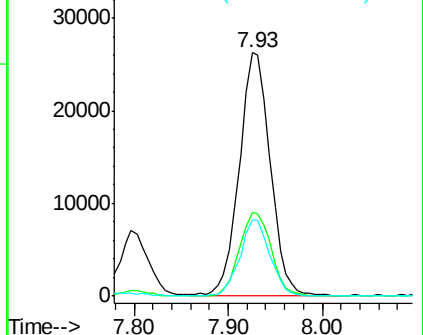
77 31.0 24.7 37.1

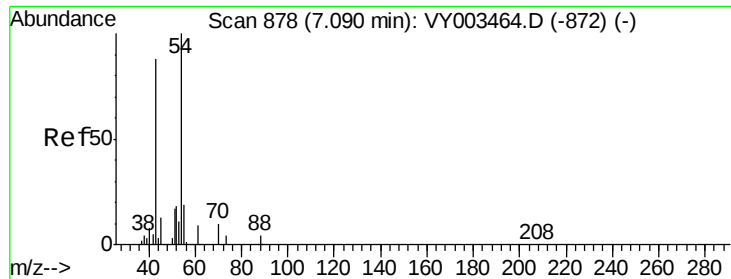


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

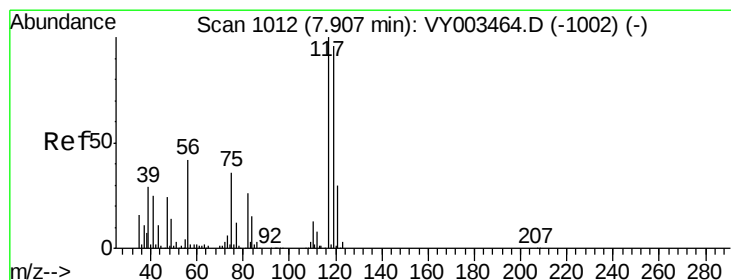
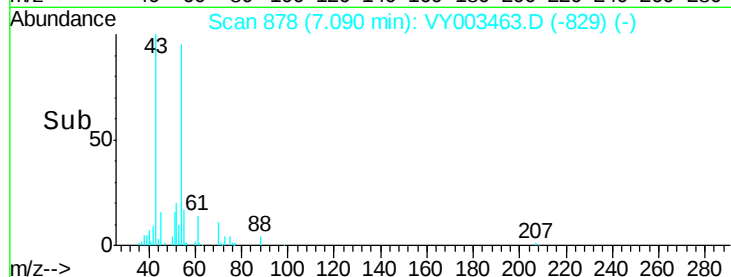
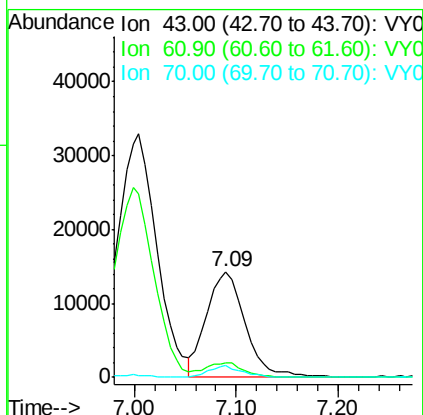
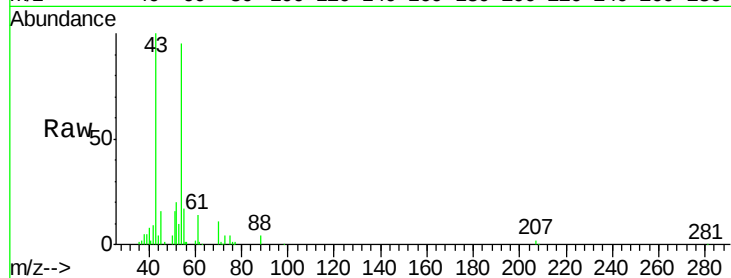




#37
Ethyl Acetate
Concen: 21.872 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

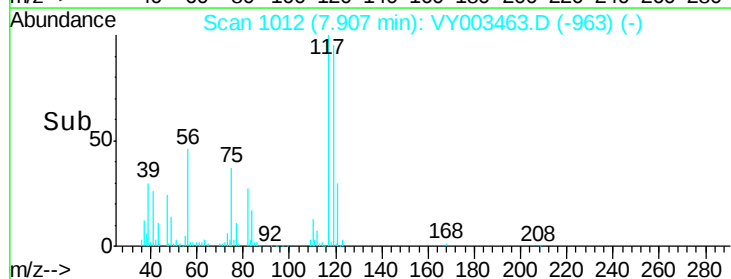
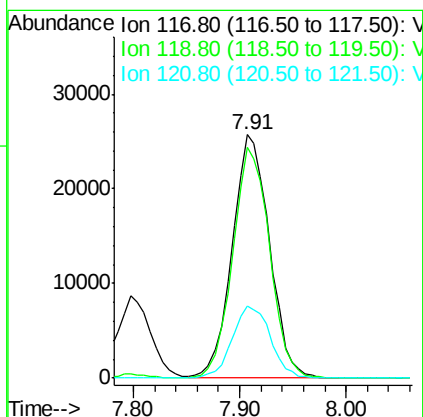
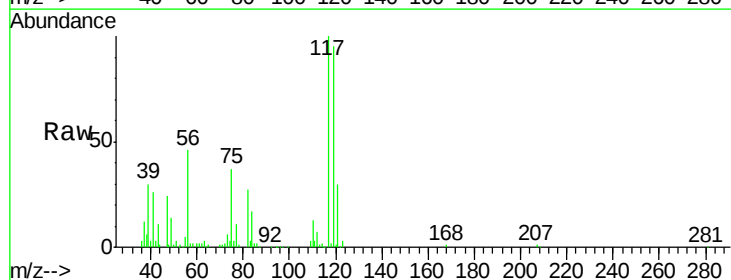
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

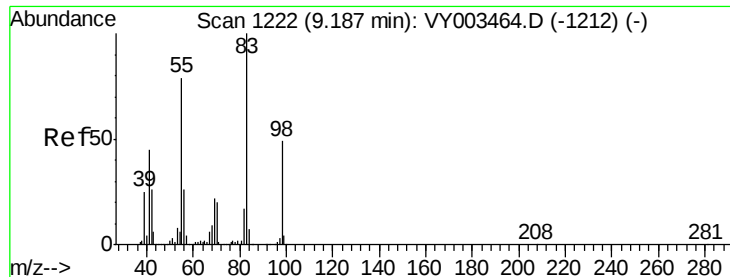
Tot Ion: 43 Resp: 37571
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.6
70 9.5 7.9 11.9



#38
Carbon Tetrachloride
Concen: 20.754 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 117 Resp: 63065
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.4
121 29.7 24.2 36.4

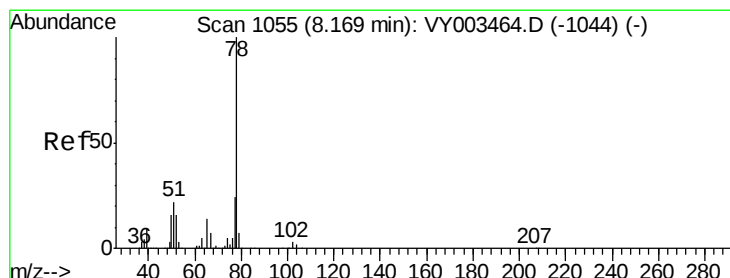
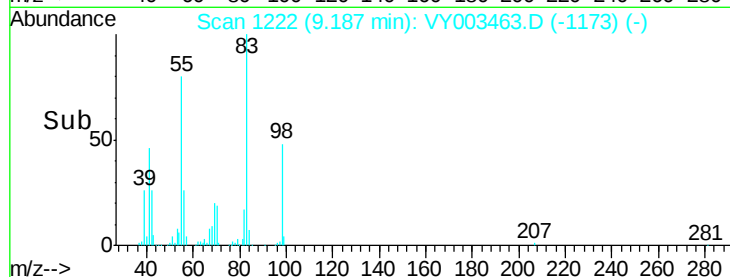
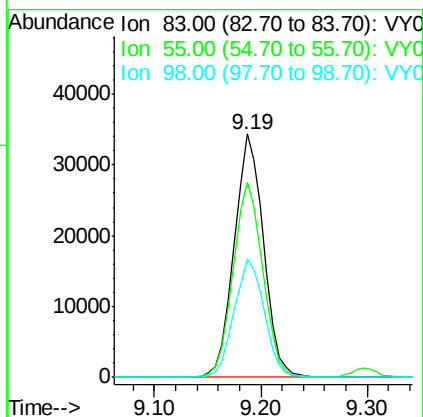
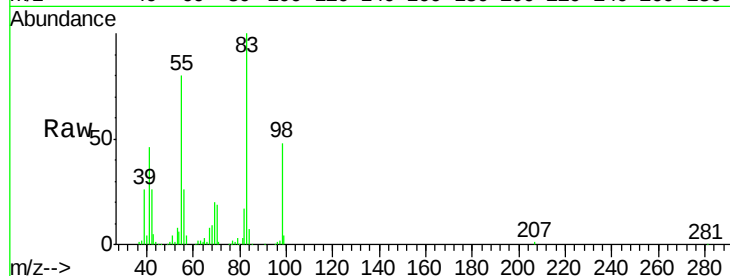




#39
Methylcyclohexane
Concen: 20.802 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

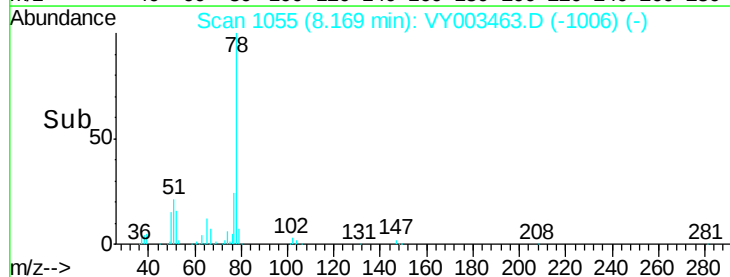
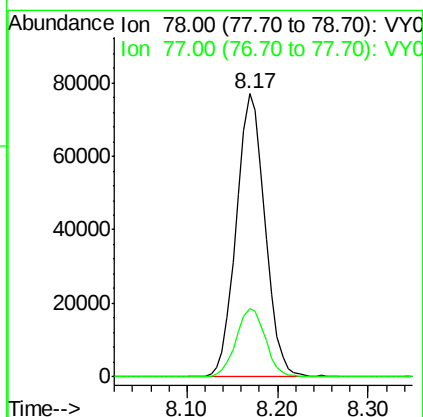
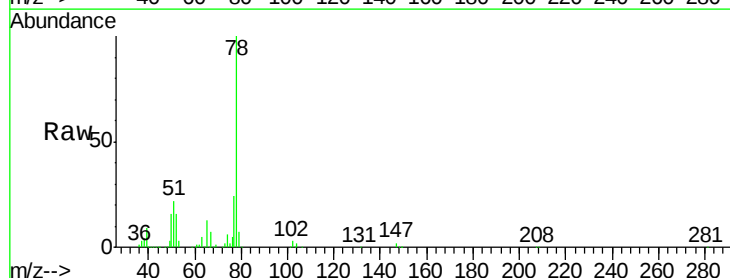
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

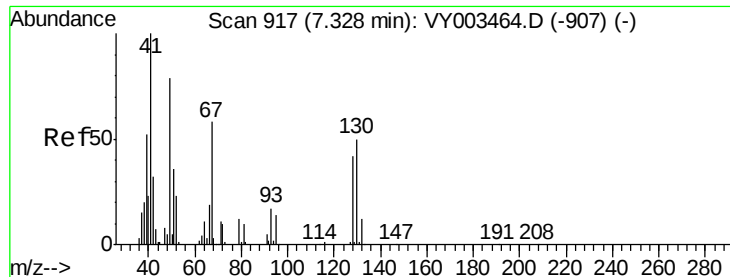
Tot Ion: 83 Resp: 66641
Ion Ratio Lower Upper
83 100
55 80.1 63.5 95.3
98 48.5 39.4 59.2



#40
Benzene
Concen: 20.628 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 78 Resp: 169355
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0

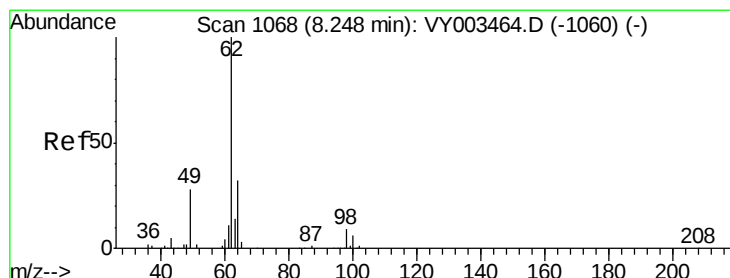
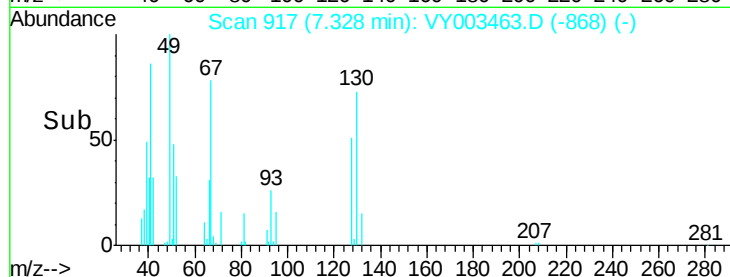
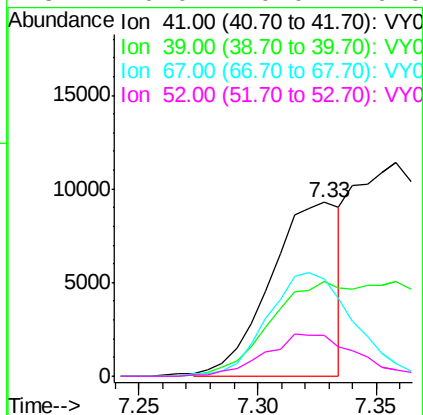
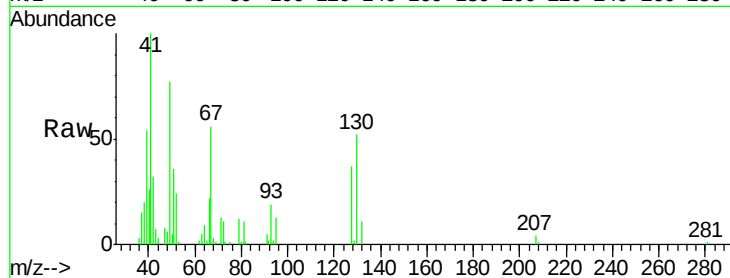




#41
Methacrylonitrile
Concen: 21.882 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

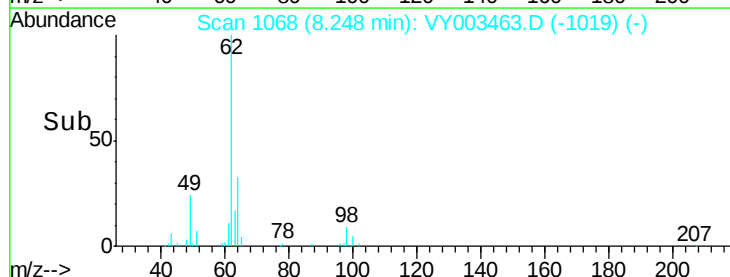
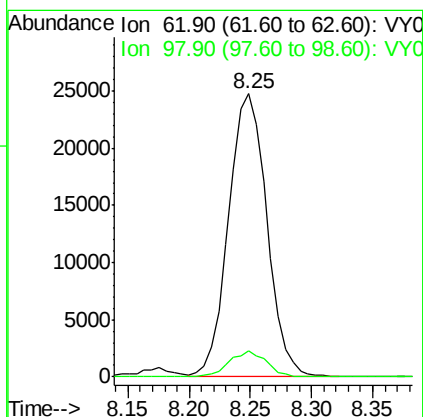
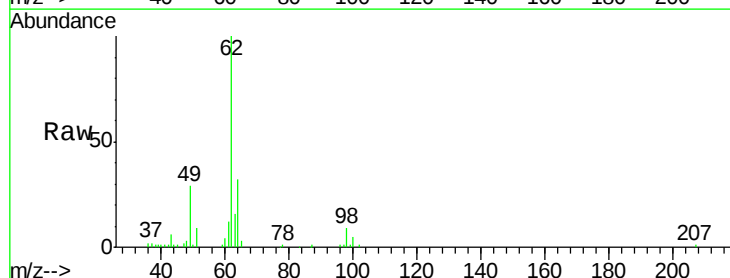
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

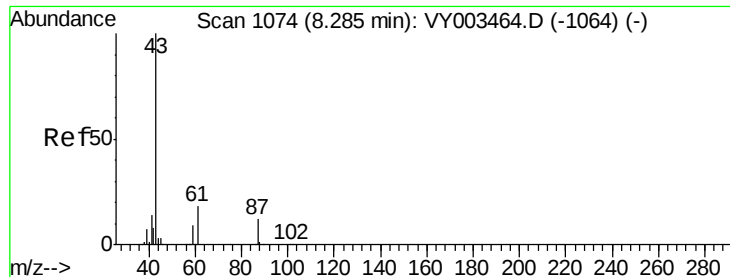
Tot Ion:	41	Resp:	19119
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.669 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion:	62	Resp:	53849
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



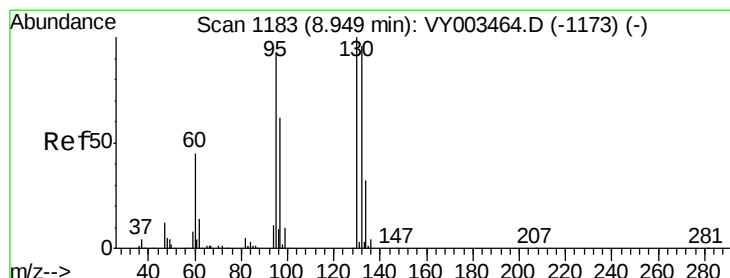
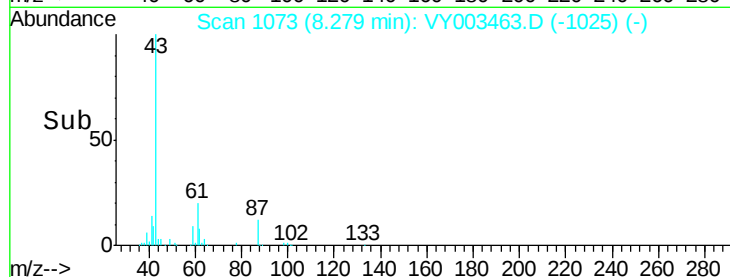
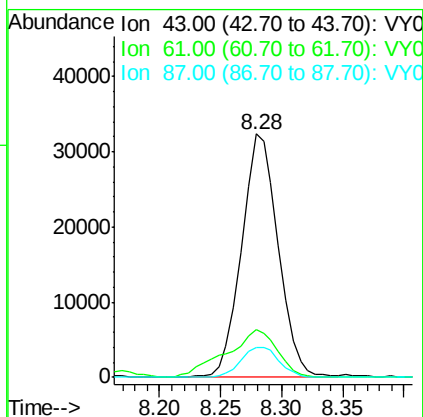
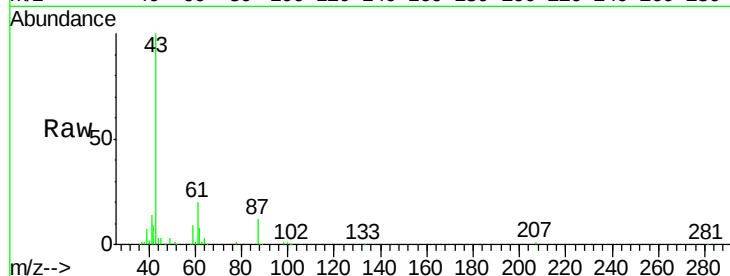


#43

Isopropyl Acetate
 Concen: 21.055 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

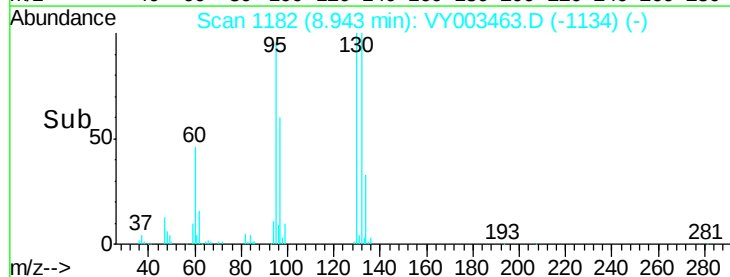
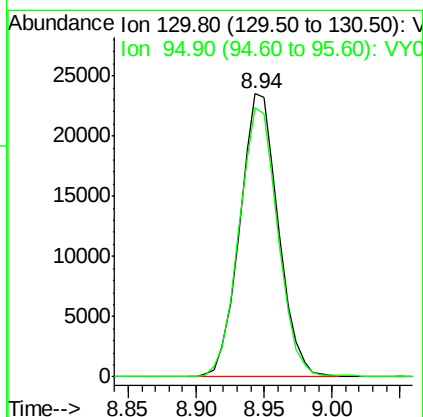
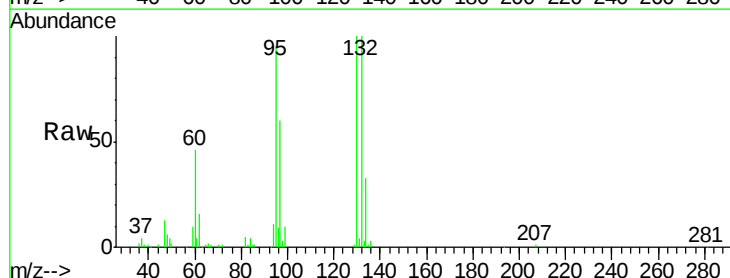
Tot Ion	43	Resp	67398
Ion Ratio	Lower	Upper	
43	100		
61	27.4	21.9	32.9
87	12.8	10.0	15.0

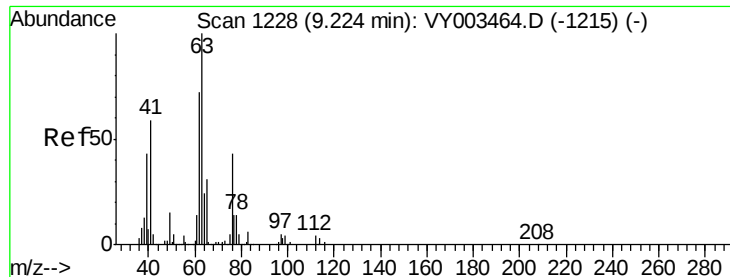


#44

Trichloroethene
 Concen: 19.310 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion	130	Resp	46389
Ion Ratio	Lower	Upper	
130	100		
95	95.2	0.0	186.6

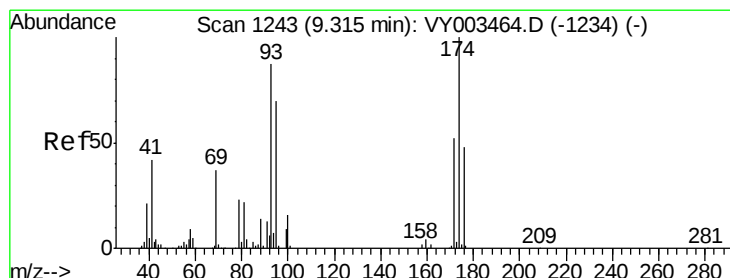
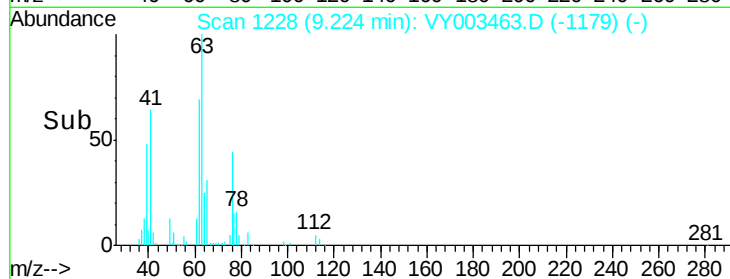
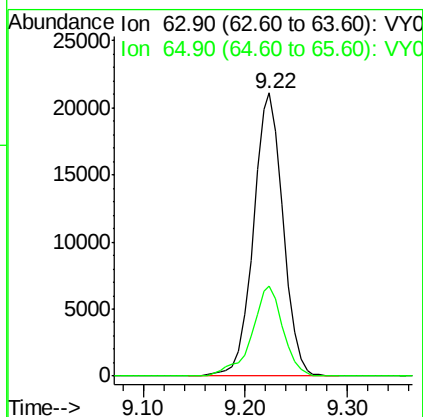
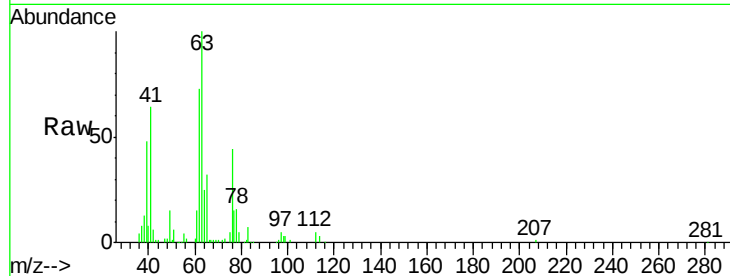




#45
 1,2-Dichloropropane
 Concen: 20.395 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

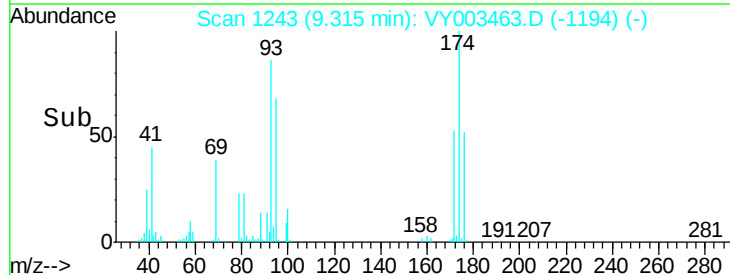
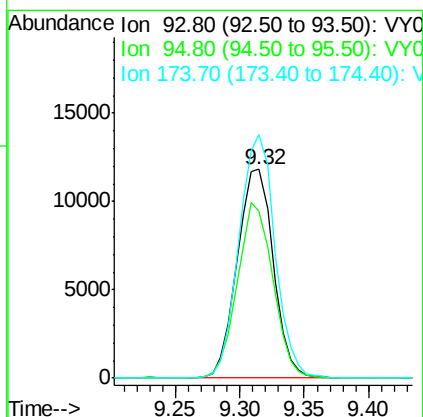
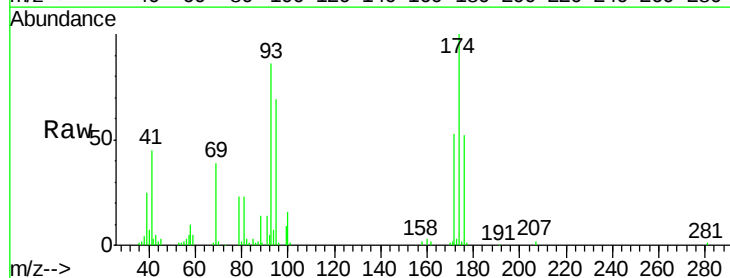
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

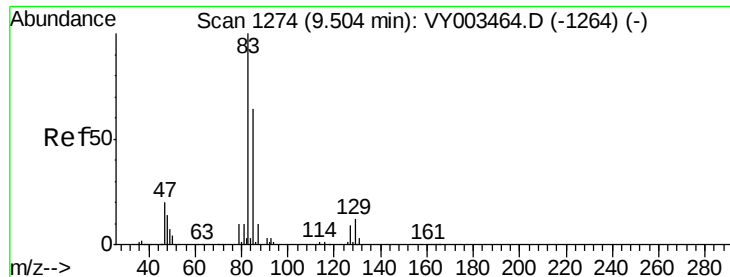
Tot Ion: 63 Resp: 42557
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.6 36.8



#46
 Dibromomethane
 Concen: 19.593 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion: 93 Resp: 23073
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.0 97.6
 174 115.6 91.8 137.6





#47

Bromodichloromethane

Concen: 19.949 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

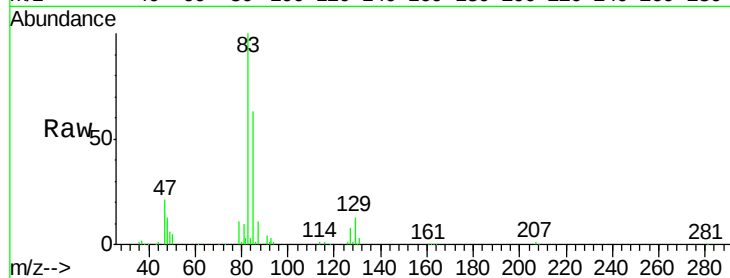
Tot Ion: 83 Resp: 57649

Ion Ratio Lower Upper

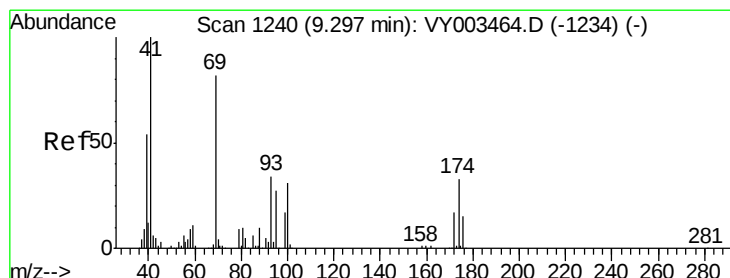
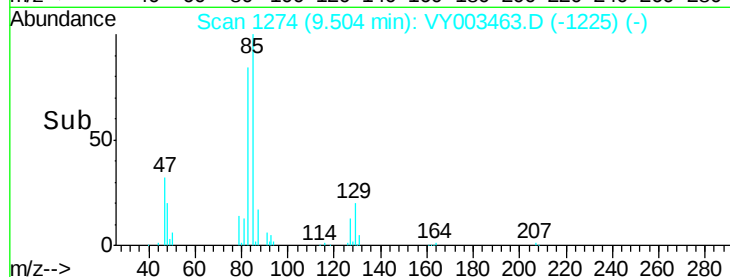
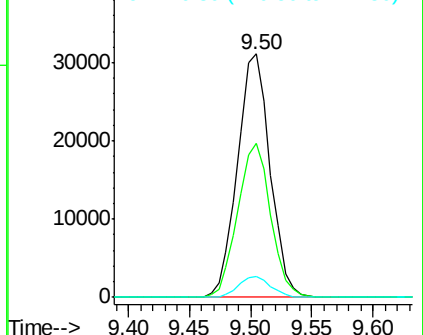
83 100

85 63.5 51.0 76.6

127 8.4 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 21.123 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

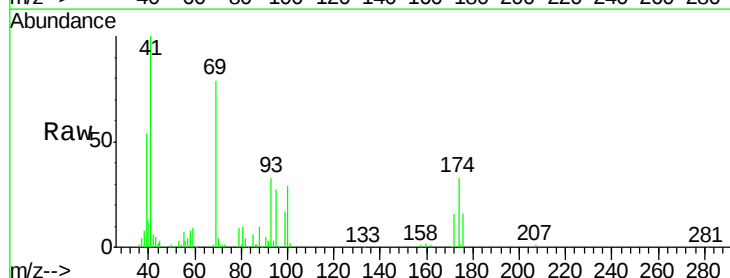
Tgt Ion: 41 Resp: 32001

Ion Ratio Lower Upper

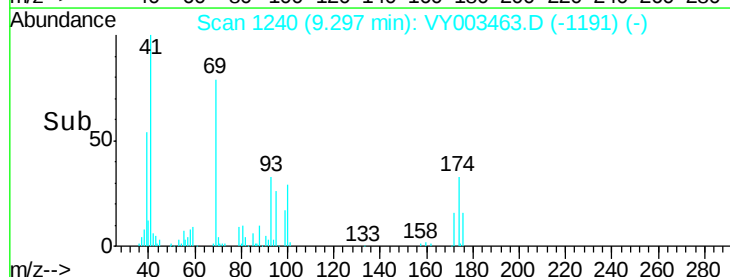
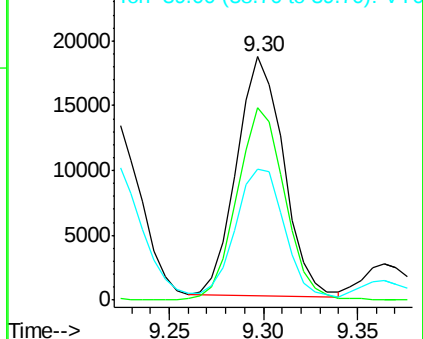
41 100

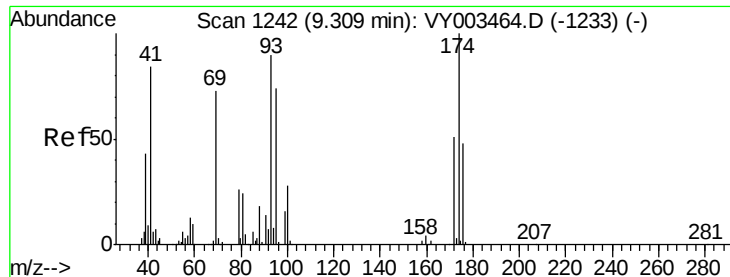
69 81.8 65.9 98.9

39 58.2 43.2 64.8



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 408.392 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

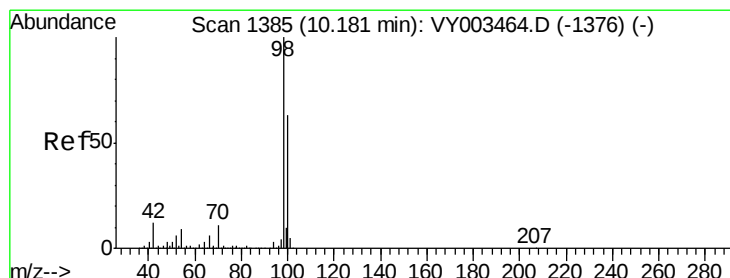
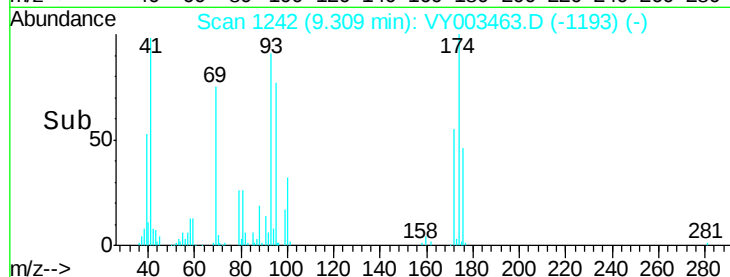
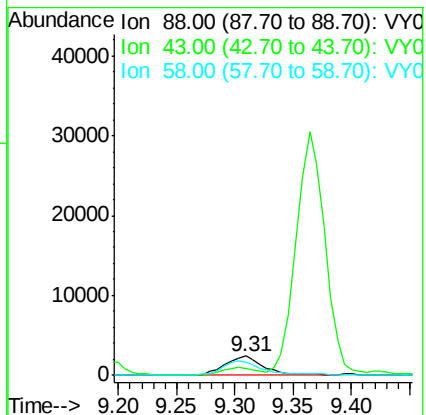
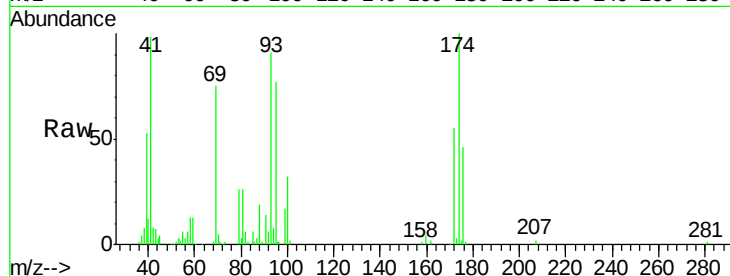
Tot Ion: 88 Resp: 5729

Ion Ratio Lower Upper

88 100

43 38.7 27.6 41.4

58 81.7 54.2 81.2#



#50

Toluene-d8

Concen: 20.237 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003463.D

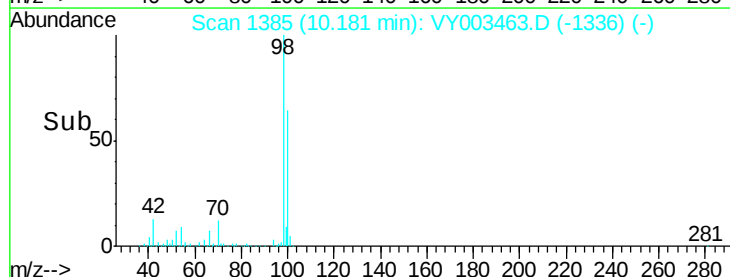
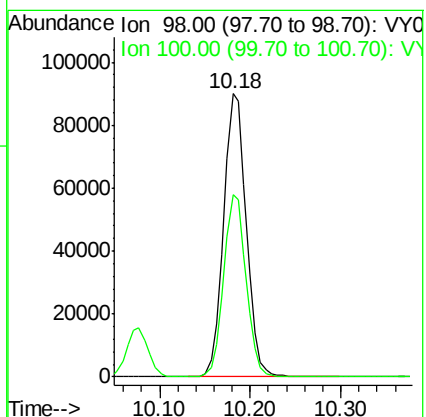
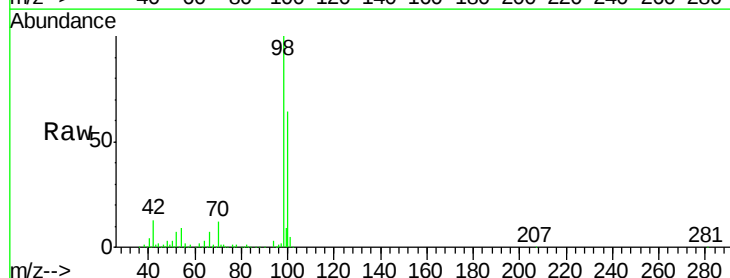
Acq: 02 Nov 2020 10:55

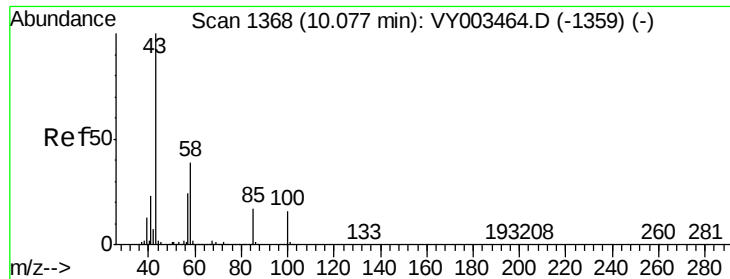
Tgt Ion: 98 Resp: 156313

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3

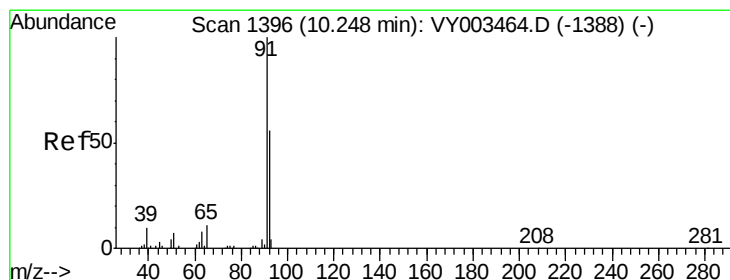
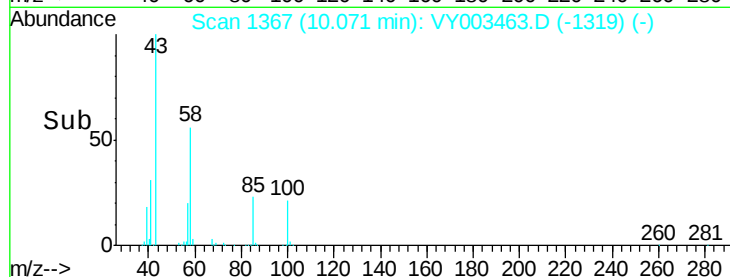
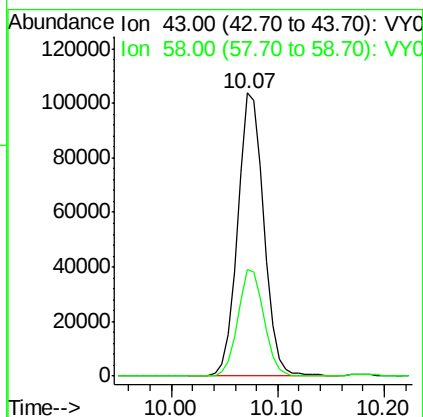
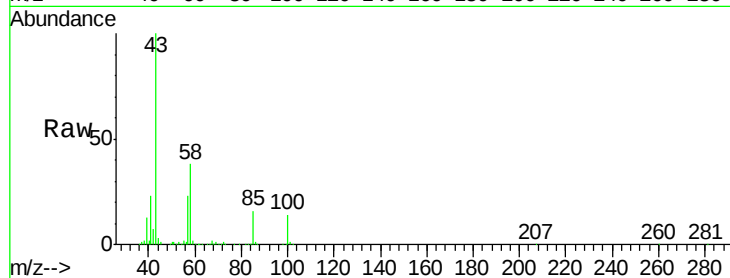




#51
4-Methyl-2-Pentanone
Concen: 105.029 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

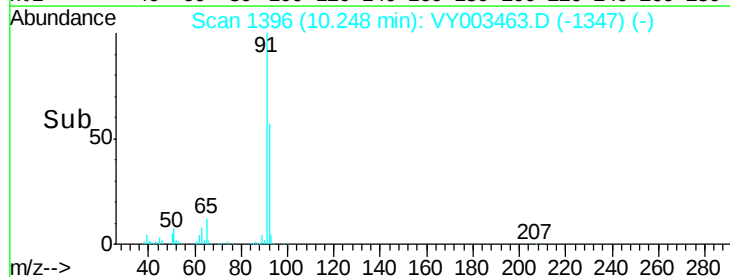
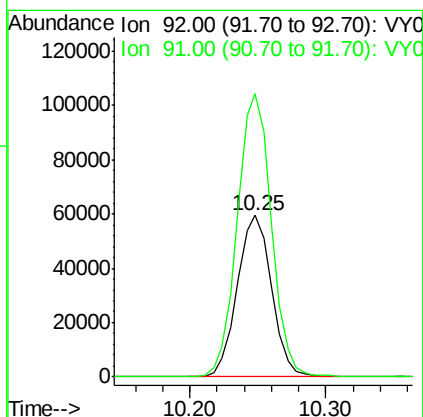
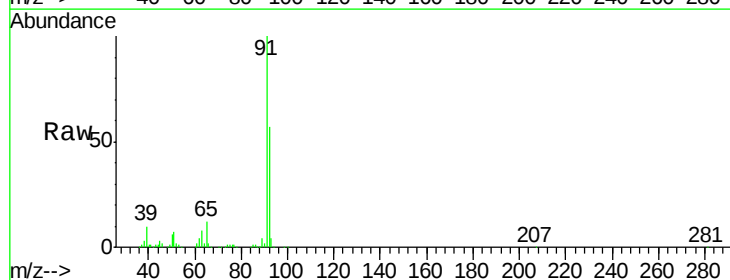
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

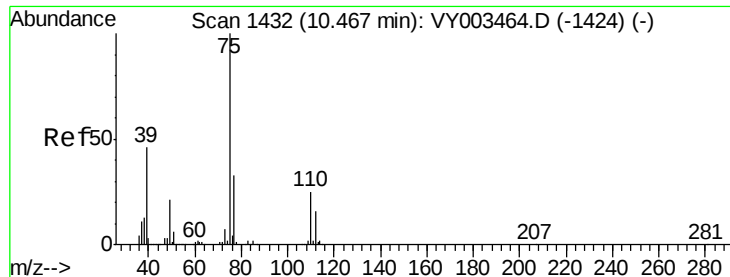
Tot Ion: 43 Resp: 178927
Ion Ratio Lower Upper
43 100
58 37.9 31.0 46.4



#52
Toluene
Concen: 19.949 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 92 Resp: 105058
Ion Ratio Lower Upper
92 100
91 174.3 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 19.752 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

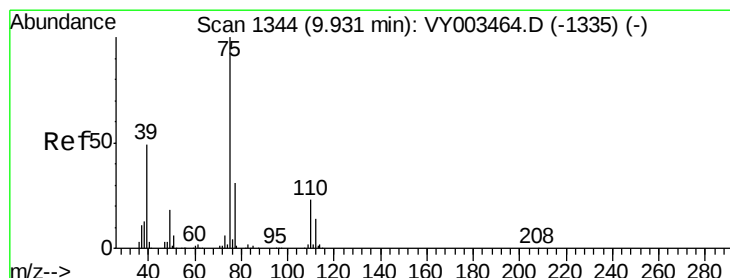
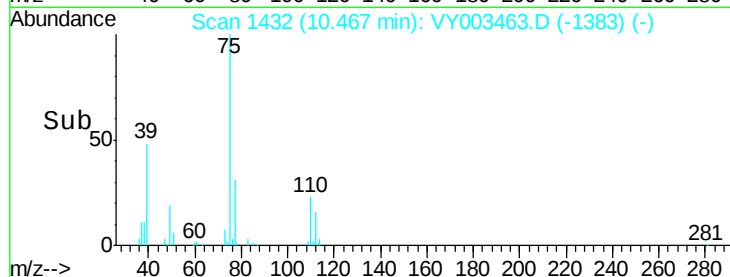
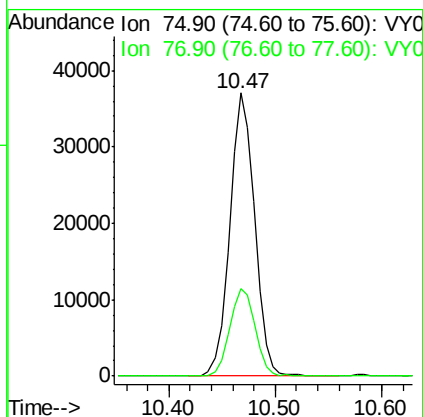
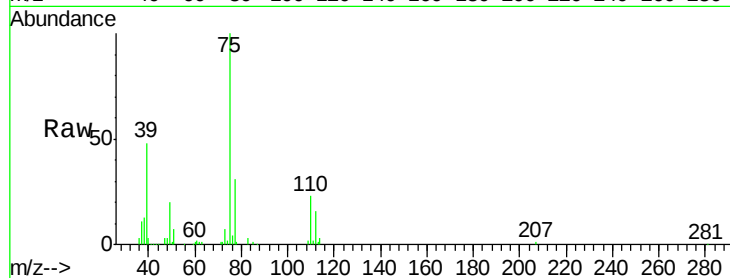
VSTDIC020

Tot Ion: 75 Resp: 60684

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 19.642 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

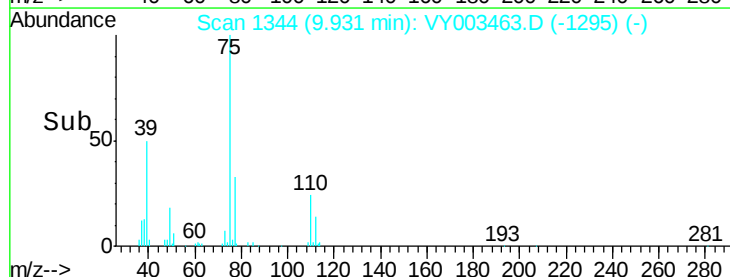
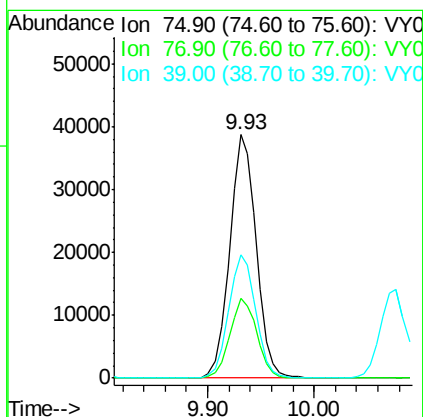
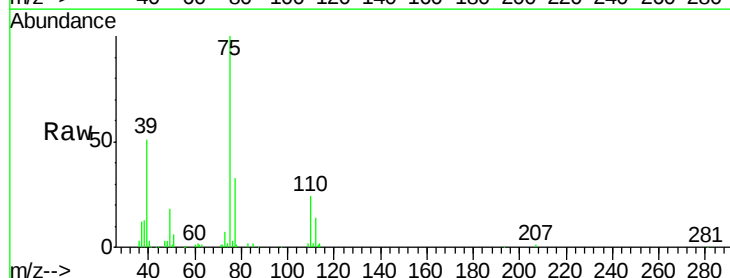
Tgt Ion: 75 Resp: 67536

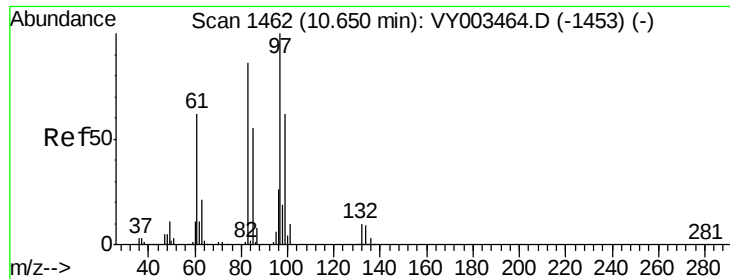
Ion Ratio Lower Upper

75 100

77 32.9 24.5 36.7

39 50.8 39.0 58.4

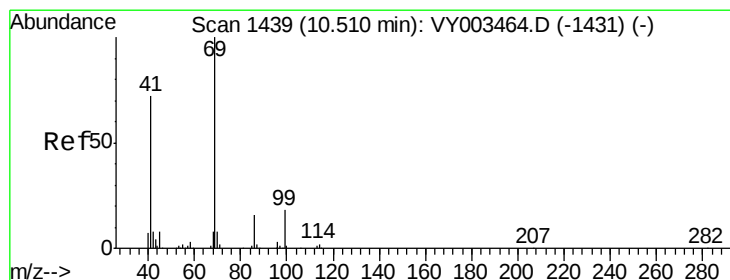
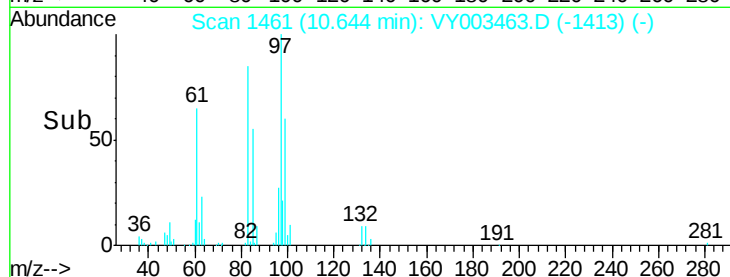
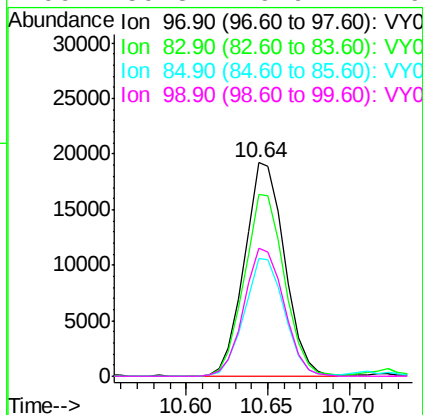
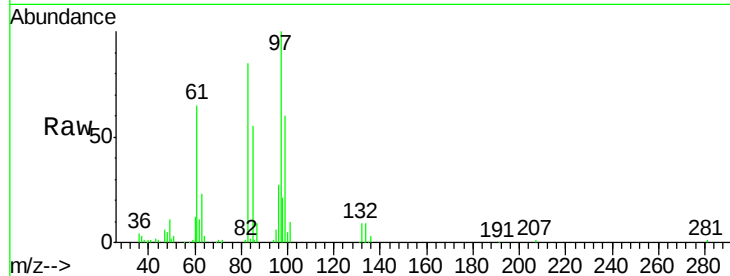




#55
 1,1,2-Trichloroethane
 Concen: 19.571 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

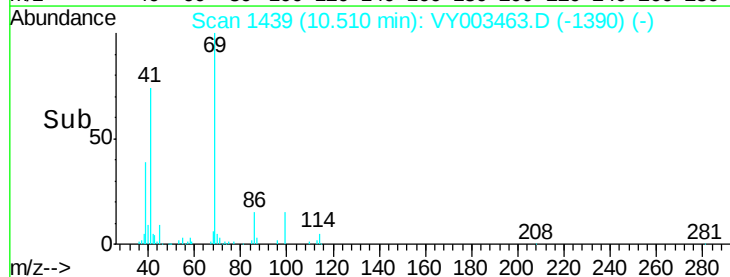
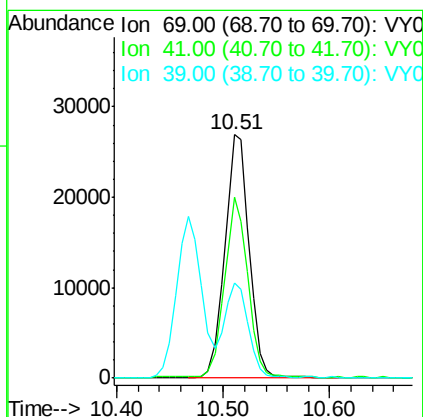
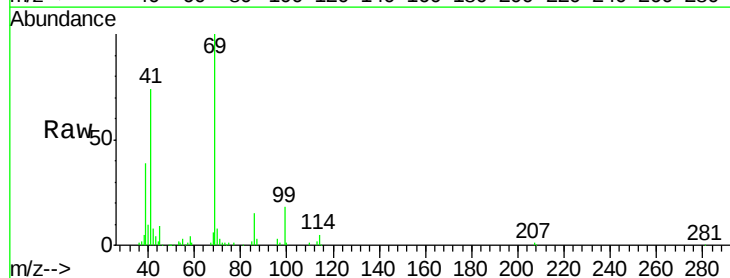
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

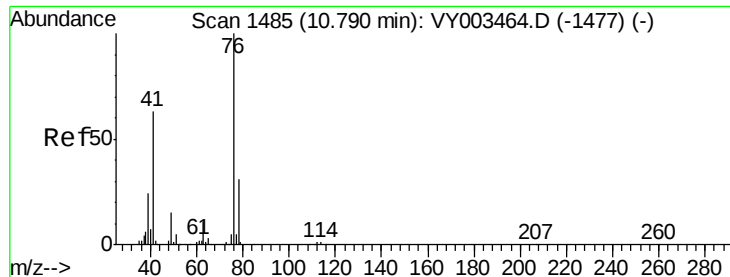
Tot Ion: 97 Resp: 32871
 Ion Ratio Lower Upper
 97 100
 83 84.8 68.6 102.8
 85 55.2 43.8 65.6
 99 59.8 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 19.108 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion: 69 Resp: 43100
 Ion Ratio Lower Upper
 69 100
 41 69.6 55.4 83.2
 39 37.8 28.7 43.1





#57

1,3-Dichloropropane

Concen: 19.926 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.01 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

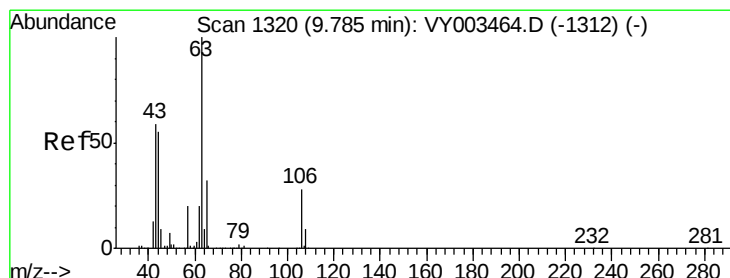
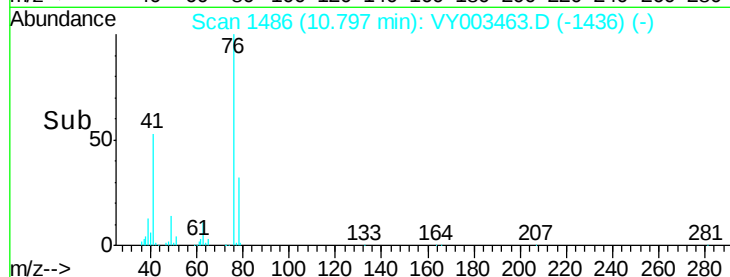
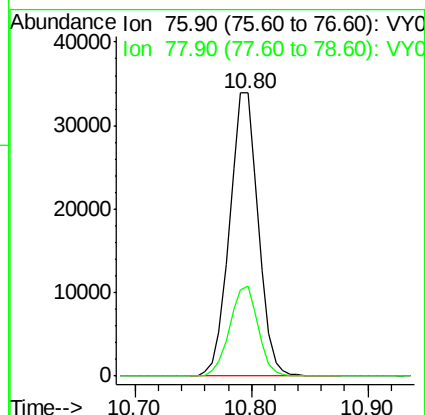
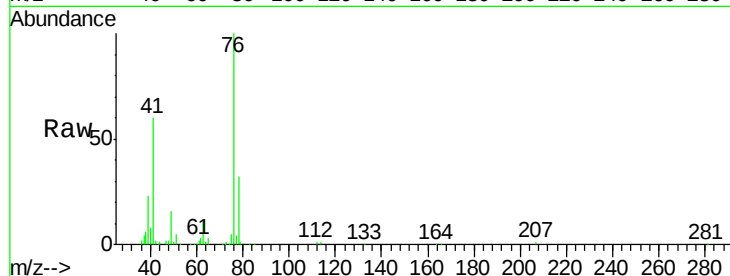
VSTDIC020

Tot Ion: 76 Resp: 57978

Ion Ratio Lower Upper

76 100

78 31.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 100.761 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003463.D

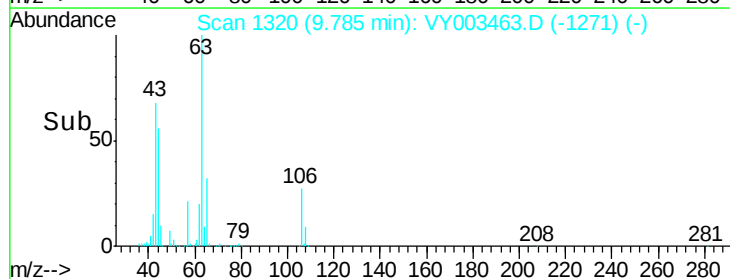
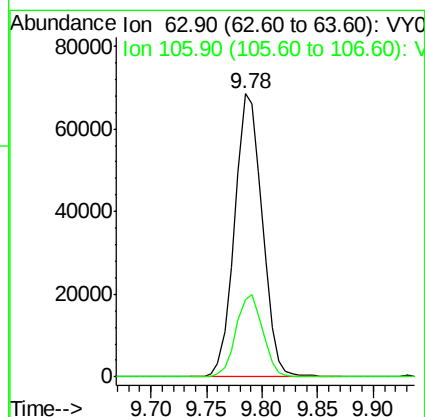
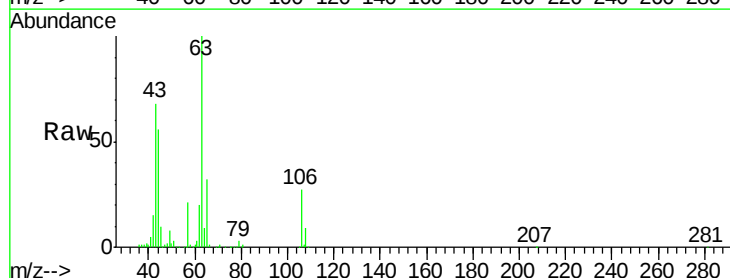
Acq: 02 Nov 2020 10:55

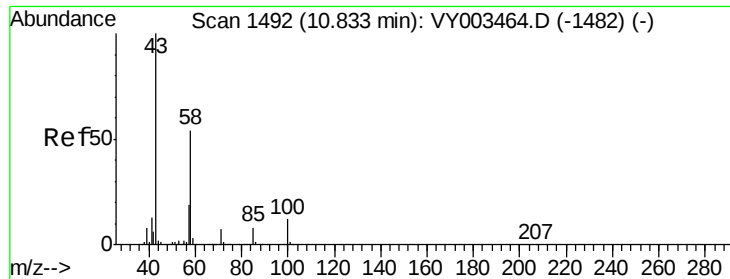
Tgt Ion: 63 Resp: 118206

Ion Ratio Lower Upper

63 100

106 28.2 22.3 33.5

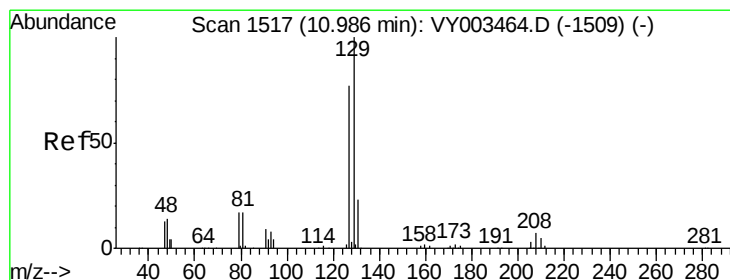
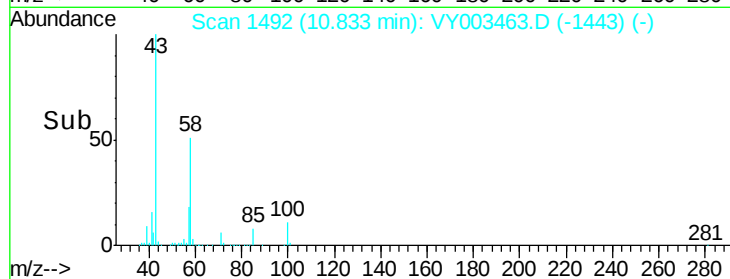
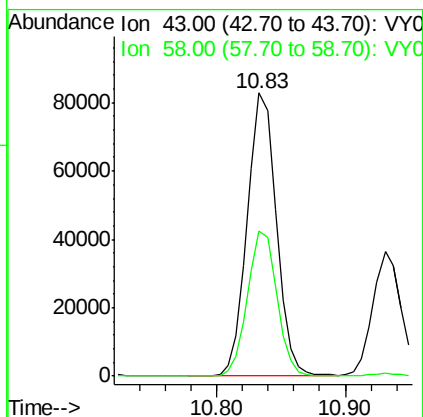
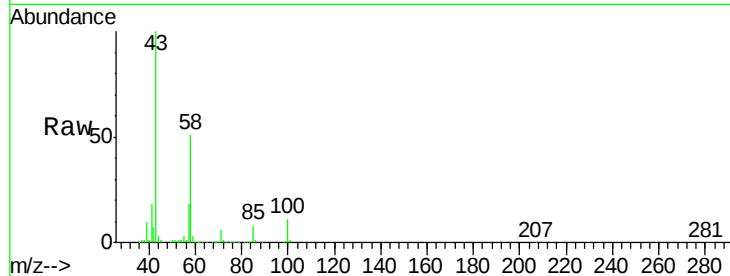




#59
2-Hexanone
Concen: 106.754 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

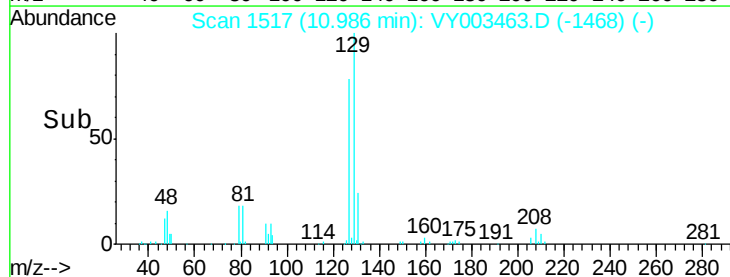
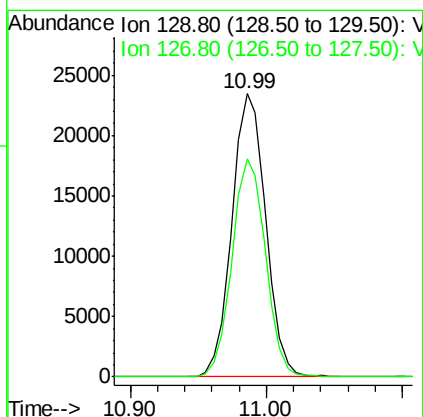
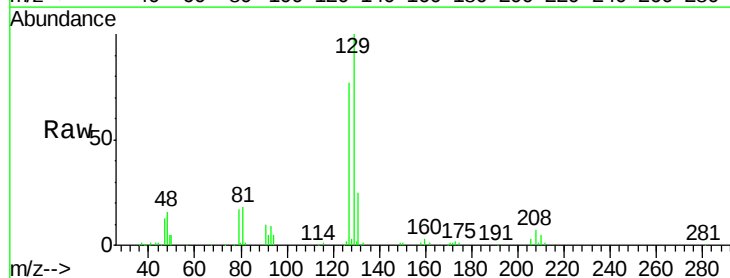
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

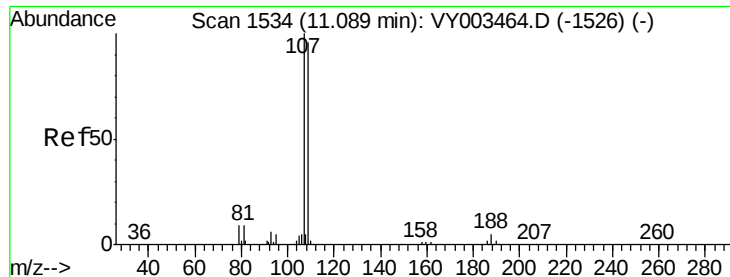
Tot Ion: 43 Resp: 129649
Ion Ratio Lower Upper
43 100
58 51.6 26.8 80.3



#60
Dibromochloromethane
Concen: 19.165 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 129 Resp: 40574
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3

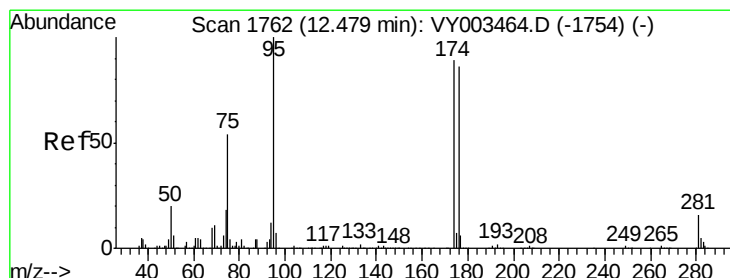
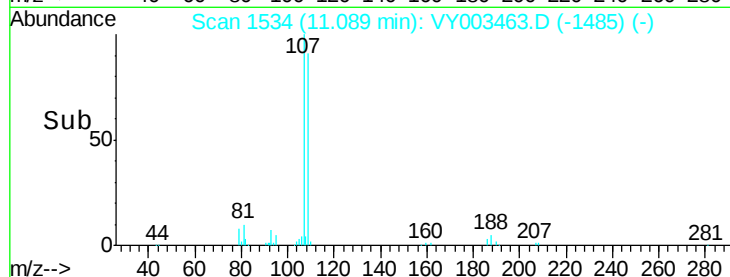
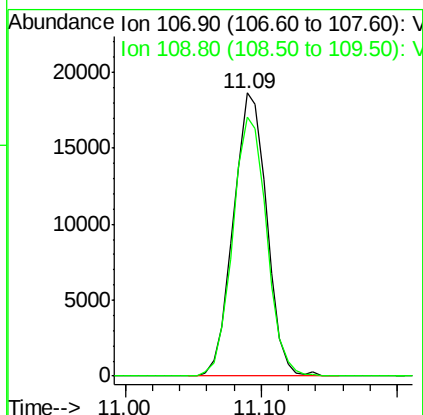
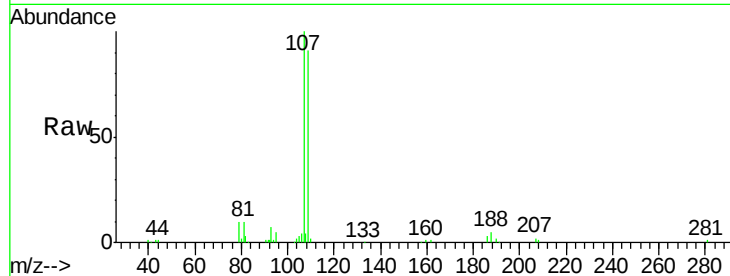




#61
 1,2-Dibromoethane
 Concen: 19.705 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

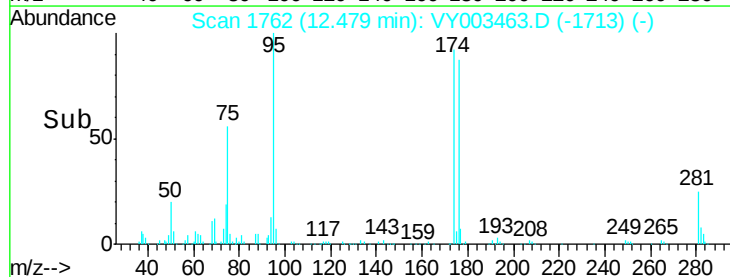
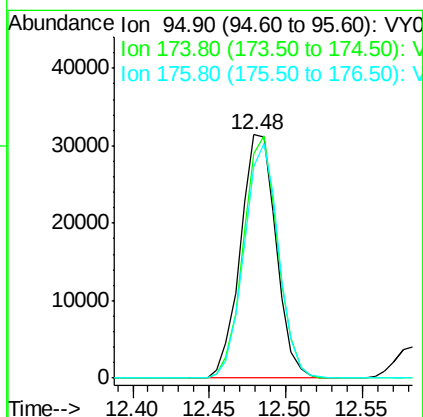
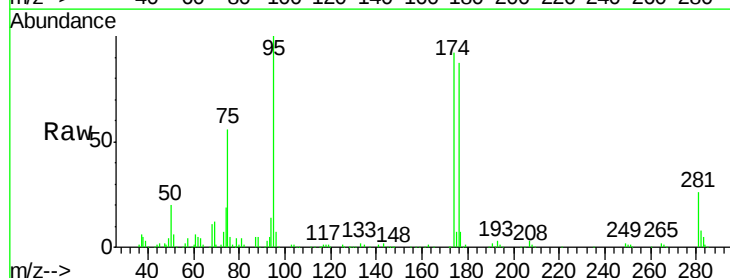
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

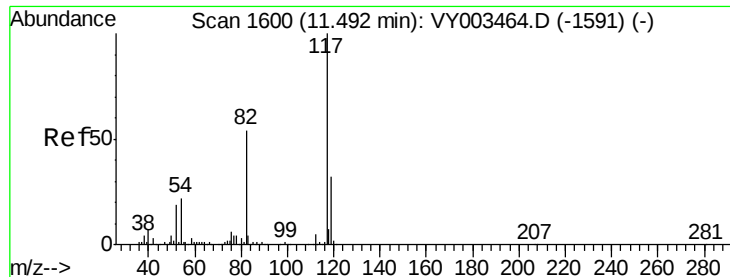
Tot Ion: 107 Resp: 31829
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 19.193 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion: 95 Resp: 50808
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 193.0
 176 93.5 0.0 187.4

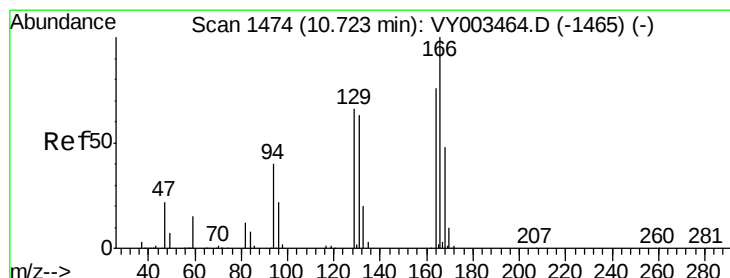
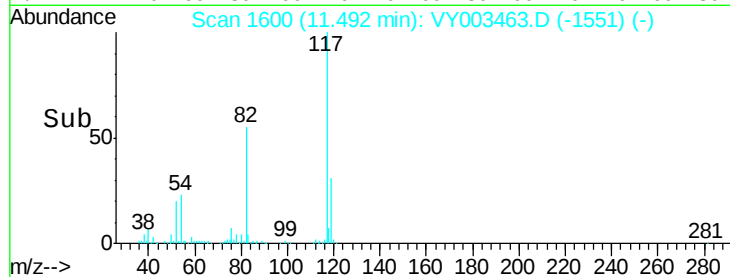
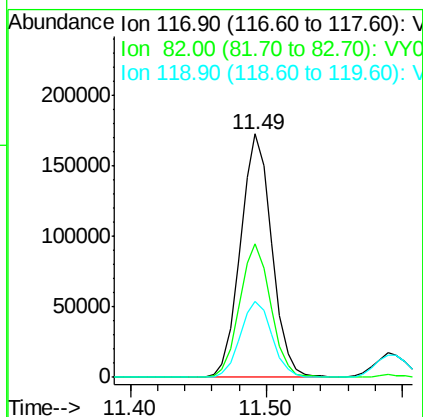
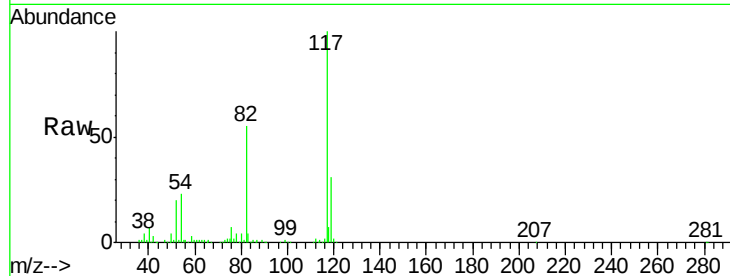




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

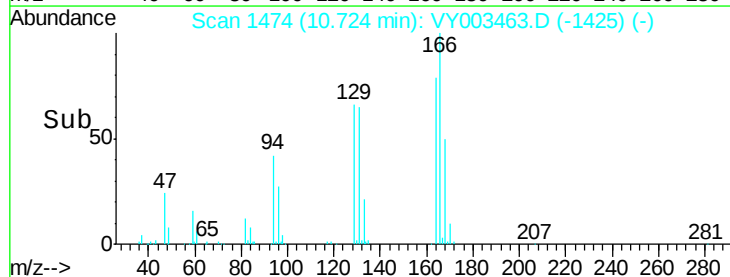
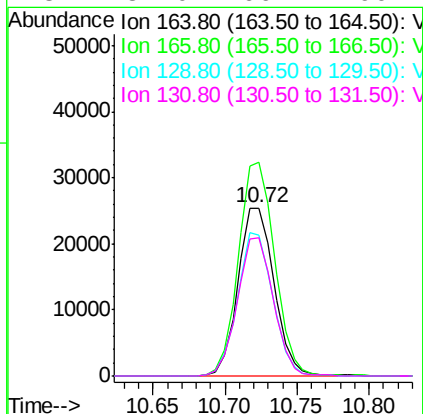
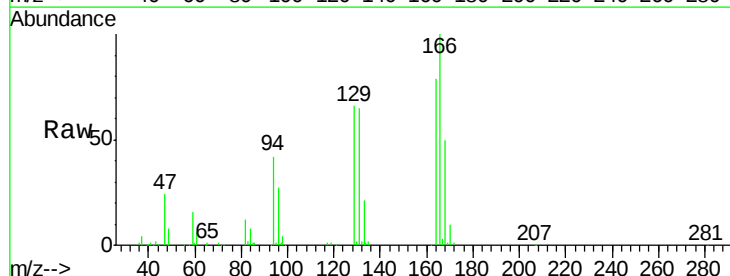
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

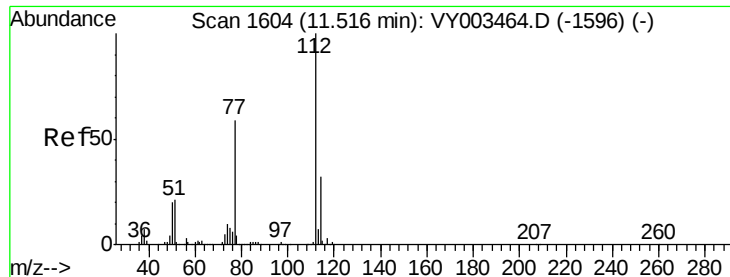
Tot Ion:117 Resp: 277445
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.2
119 31.2 25.8 38.6



#64
Tetrachloroethene
Concen: 18.217 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion:164 Resp: 44331
Ion Ratio Lower Upper
164 100
166 127.2 104.9 157.3
129 84.0 68.9 103.3
131 82.0 66.2 99.2

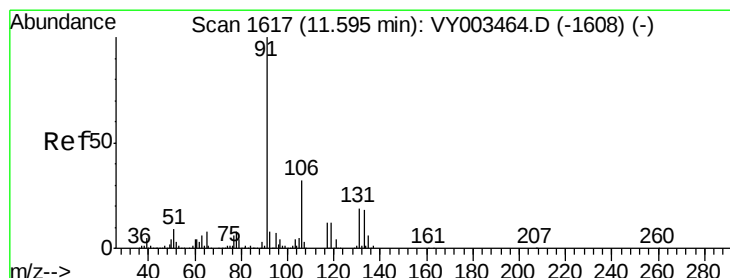
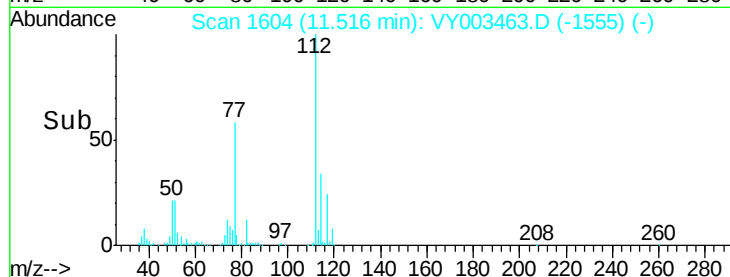
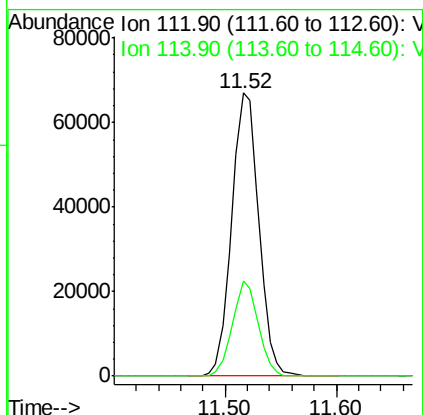
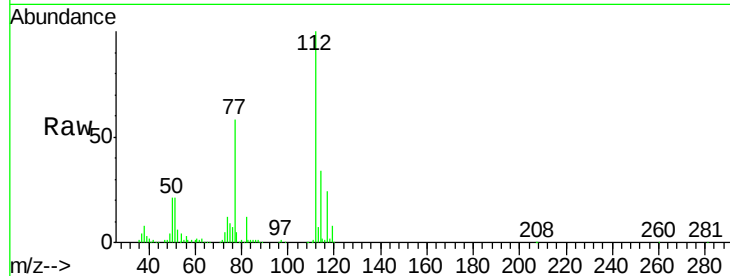




#65
Chlorobenzene
Concen: 20.407 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

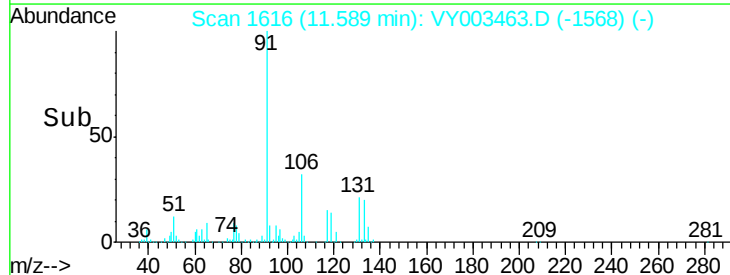
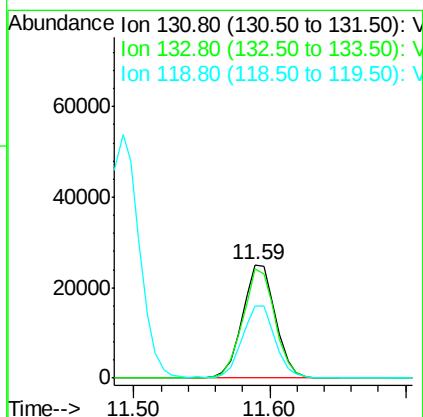
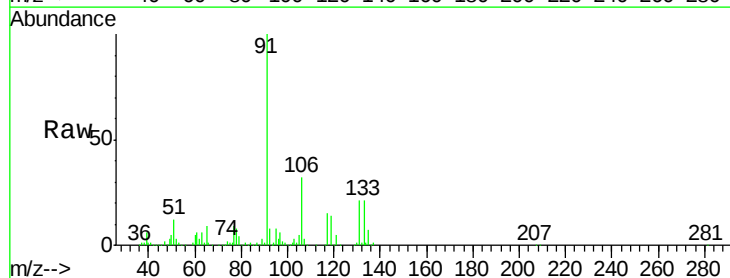
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

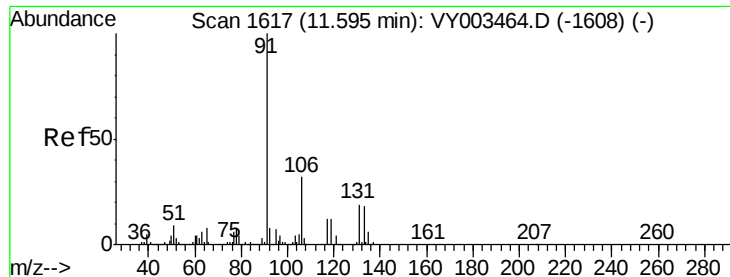
Tot Ion:112 Resp: 112824
Ion Ratio Lower Upper
112 100
114 33.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.171 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion:131 Resp: 42284
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 63.7 31.6 95.0

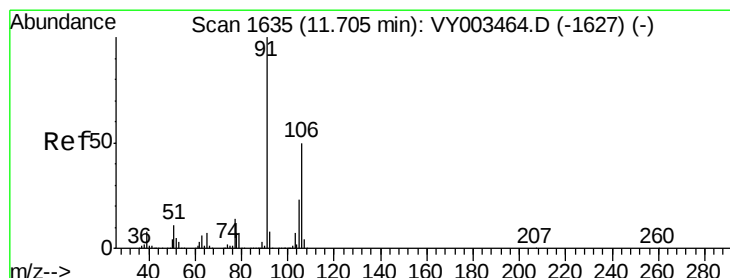
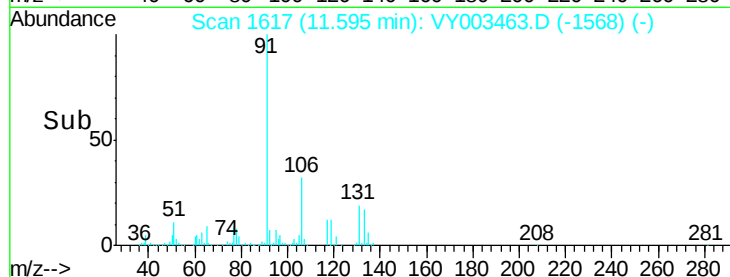
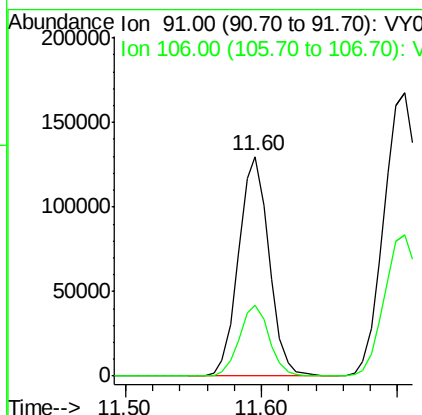
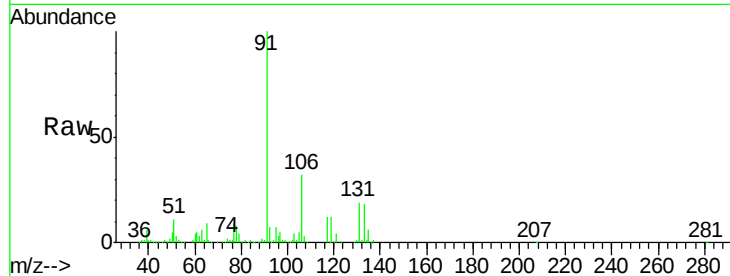




#67
Ethyl Benzene
Concen: 20.545 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

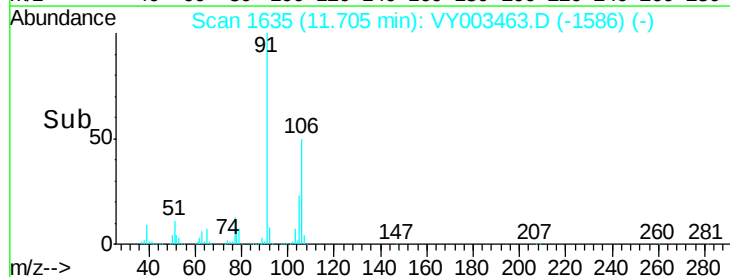
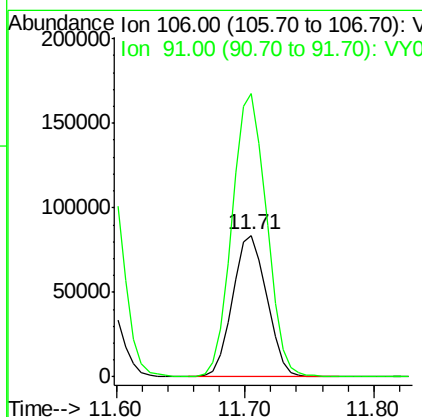
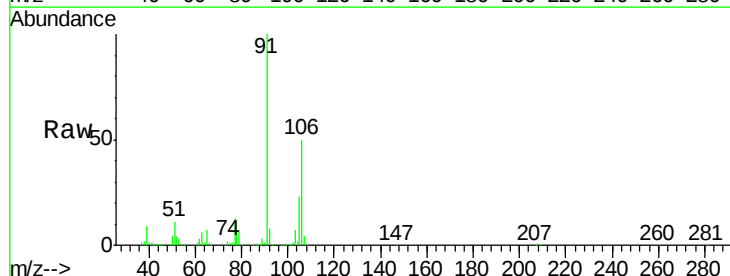
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

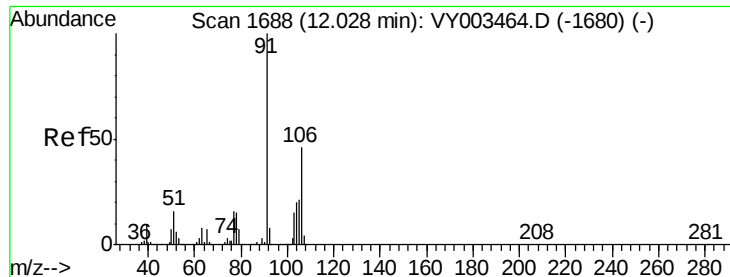
Tot Ion: 91 Resp: 203540
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0



#68
m/p-Xylenes
Concen: 40.816 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion: 106 Resp: 154228
Ion Ratio Lower Upper
106 100
91 202.0 161.0 241.6

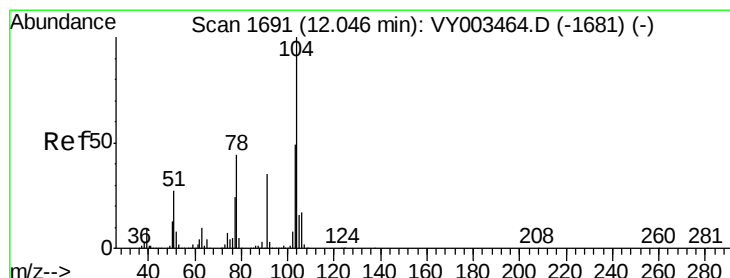
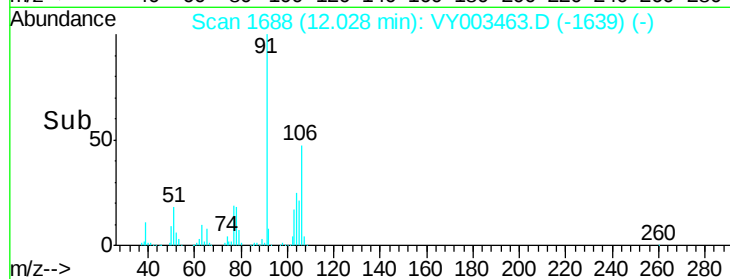
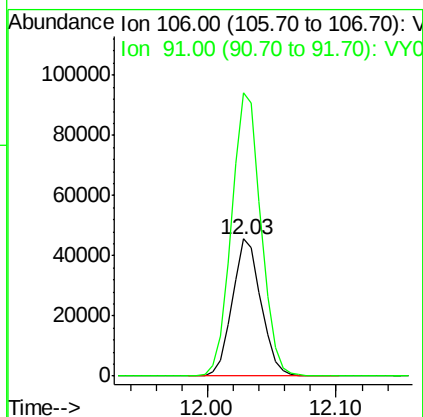
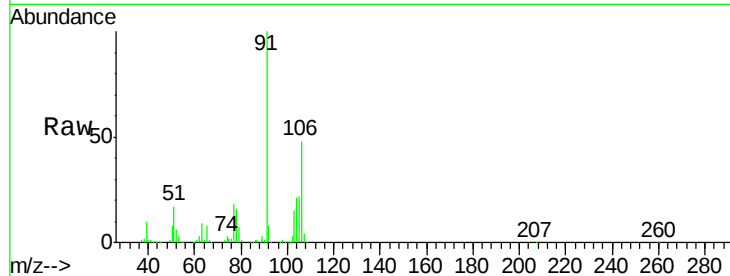




#69
o-Xylene
Concen: 20.068 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

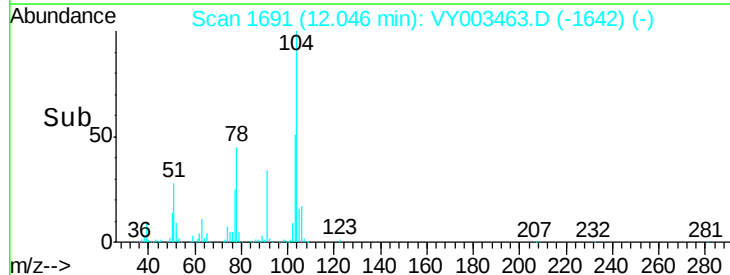
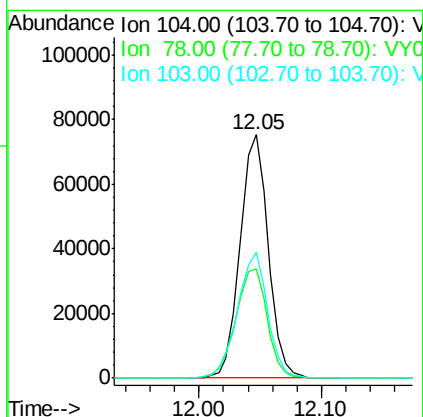
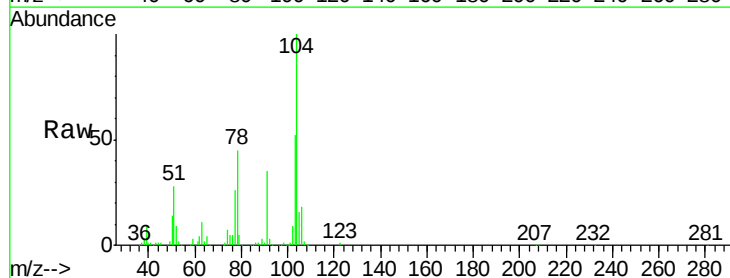
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

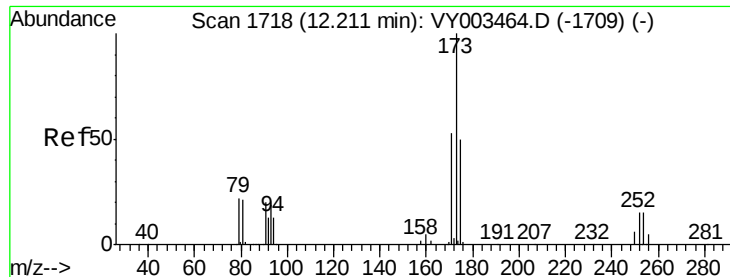
Tot Ion:106 Resp: 71028
Ion Ratio Lower Upper
106 100
91 210.8 105.5 316.5



#70
Styrene
Concen: 19.978 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion:104 Resp: 120072
Ion Ratio Lower Upper
104 100
78 50.2 39.5 59.3
103 54.9 44.2 66.2





#71

Bromoform

Concen: 19.954 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

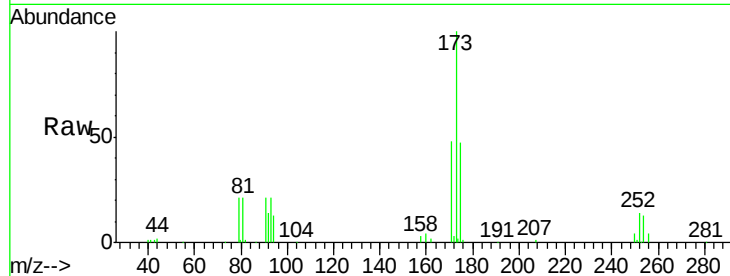
Tot Ion:173 Resp: 27915

Ion Ratio Lower Upper

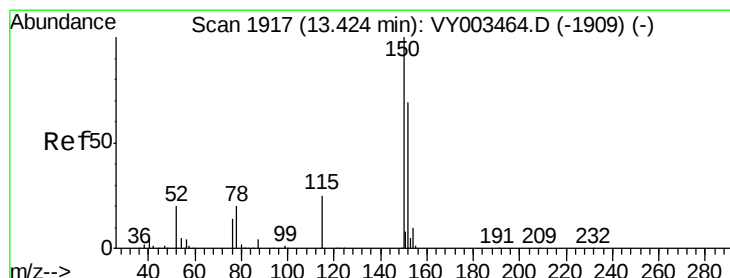
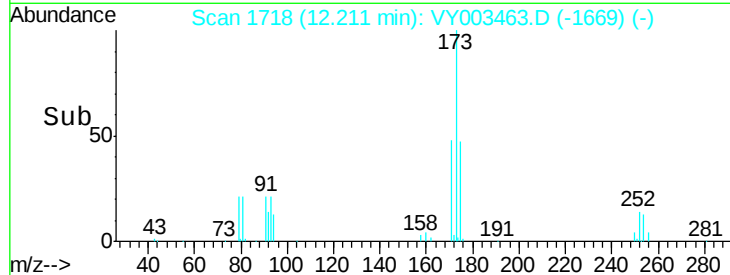
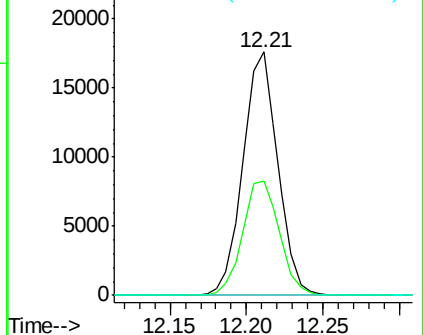
173 100

175 49.2 24.7 74.1

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

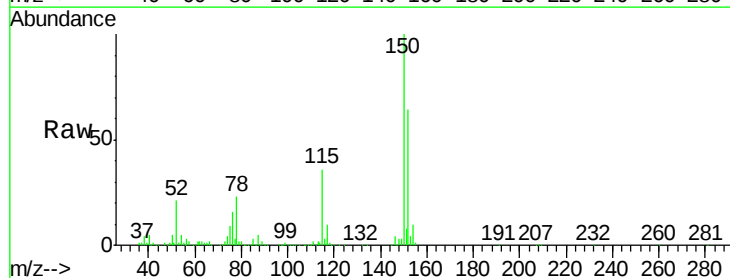
Tgt Ion:152 Resp: 146538

Ion Ratio Lower Upper

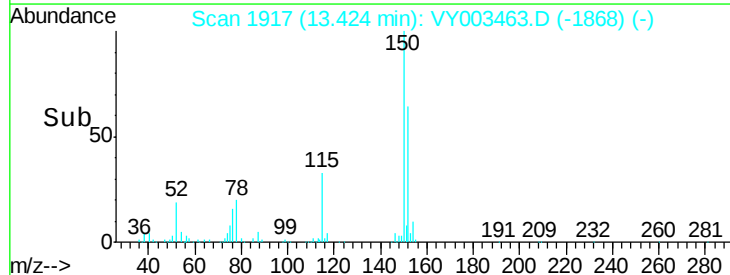
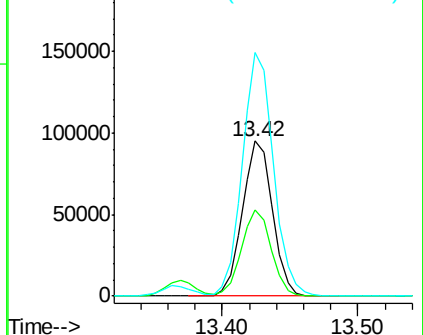
152 100

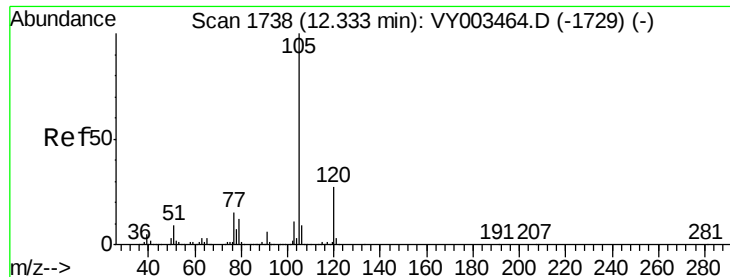
115 54.8 27.5 82.4

150 162.7 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.388 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

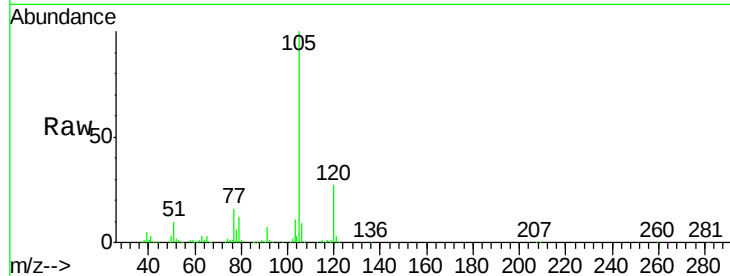
VSTDIC020

Tot Ion: 105 Resp: 197831

Ion Ratio Lower Upper

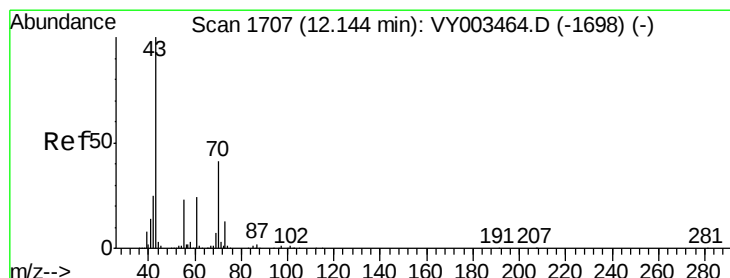
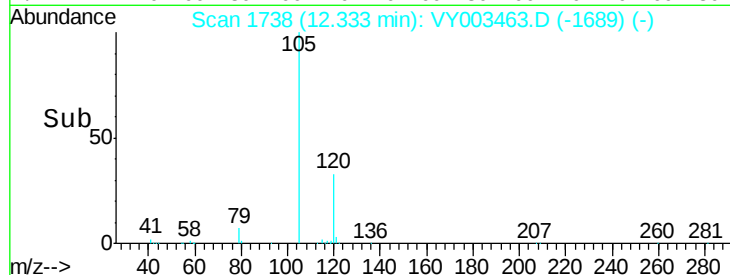
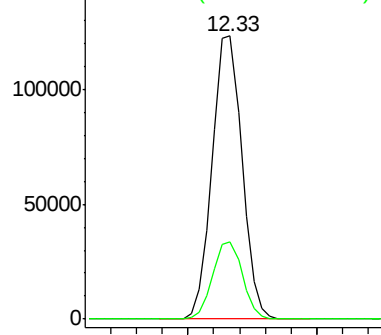
105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.858 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Tgt Ion: 43 Resp: 55233

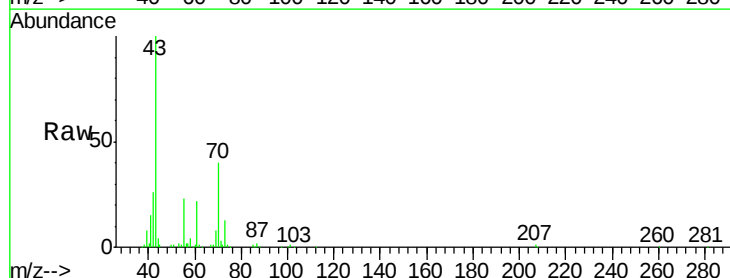
Ion Ratio Lower Upper

43 100

70 41.0 33.1 49.7

55 23.8 19.2 28.8

61 22.9 19.0 28.6

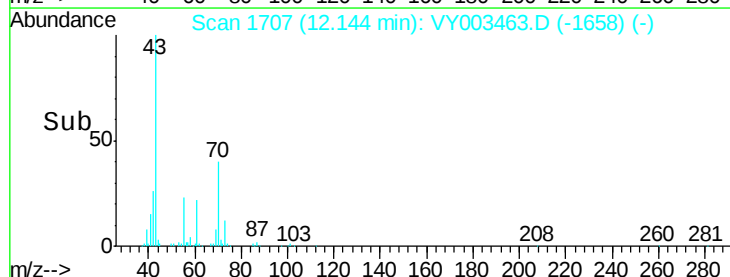
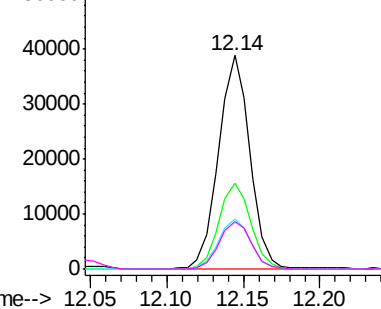


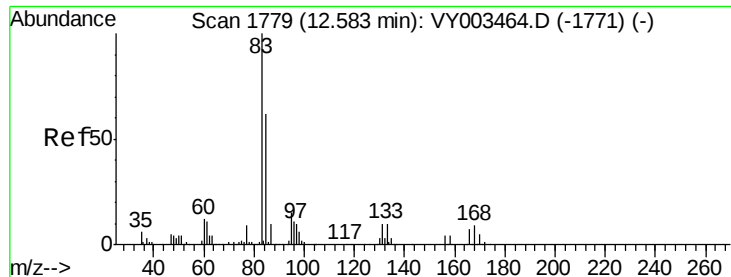
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.758 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

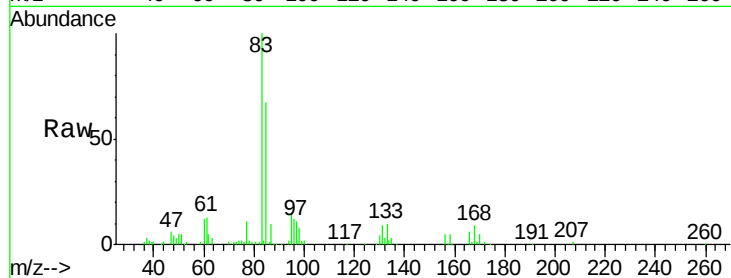
Tot Ion: 83 Resp: 41282

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

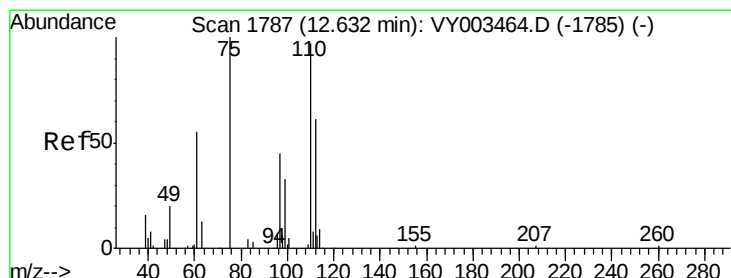
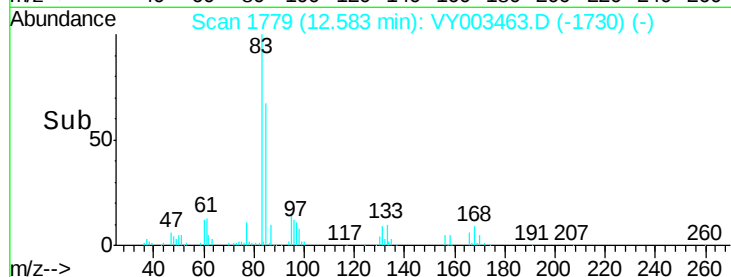
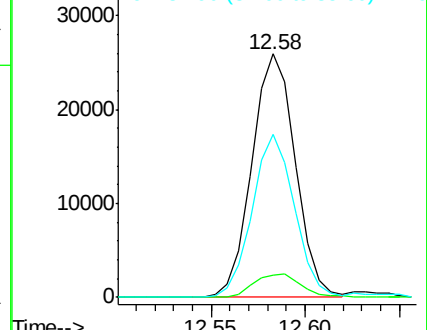
85 65.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 23.946 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003463.D

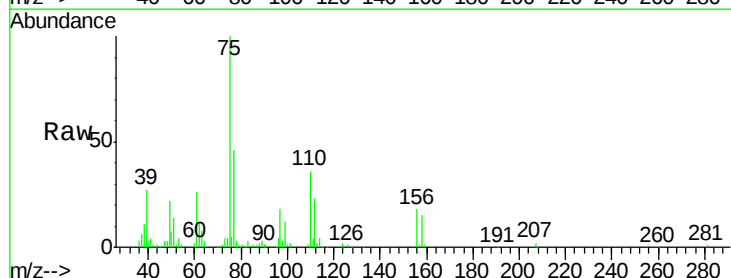
Acq: 02 Nov 2020 10:55

Tgt Ion: 75 Resp: 31445

Ion Ratio Lower Upper

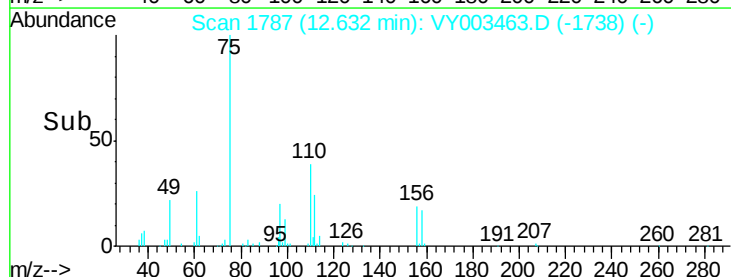
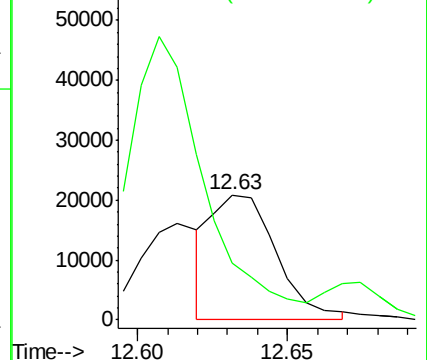
75 100

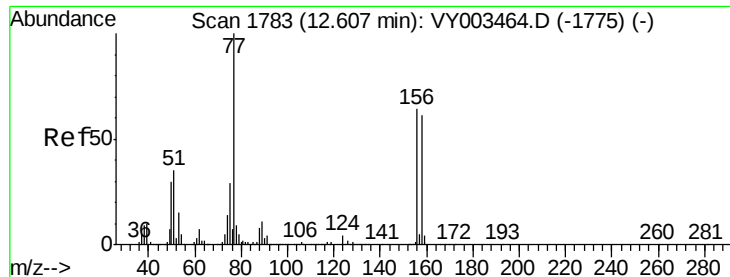
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.380 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

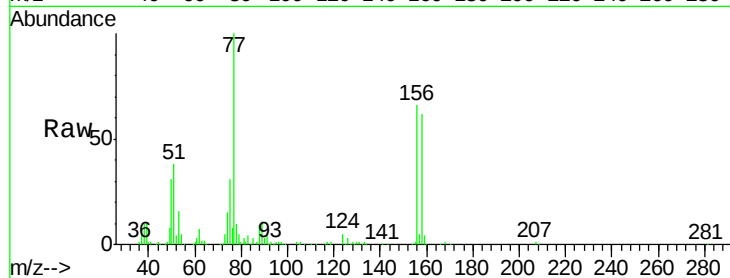
Tot Ion:156 Resp: 49874

Ion Ratio Lower Upper

156 100

77 172.8 87.0 260.9

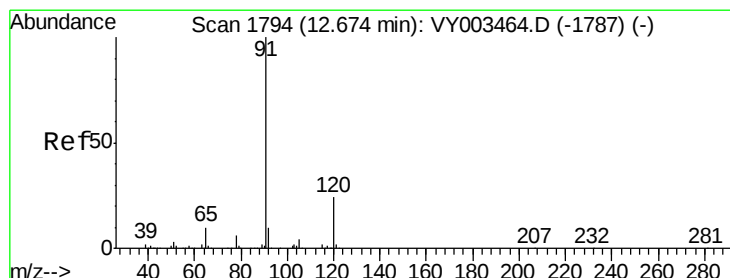
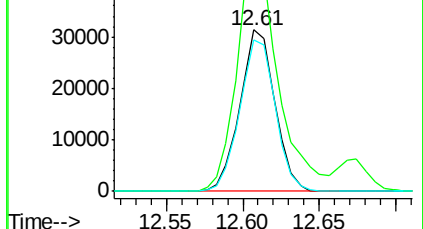
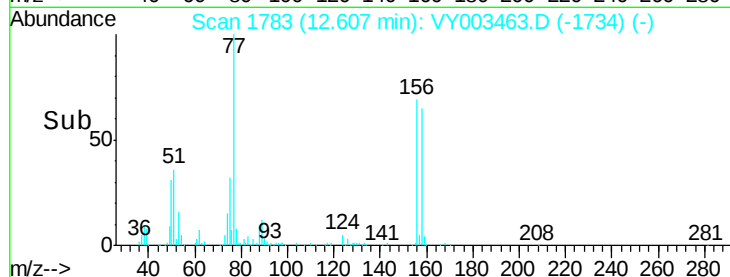
158 95.0 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.281 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY003463.D

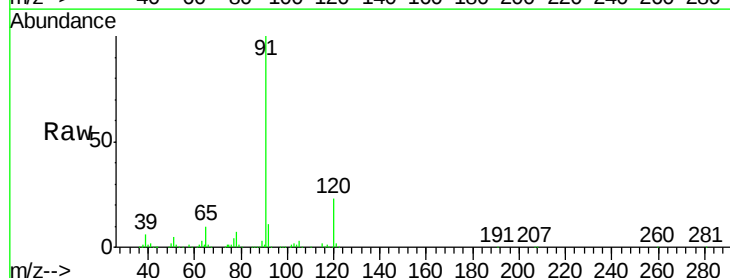
Acq: 02 Nov 2020 10:55

Tgt Ion: 91 Resp: 234014

Ion Ratio Lower Upper

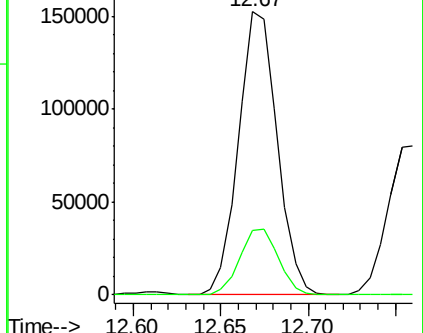
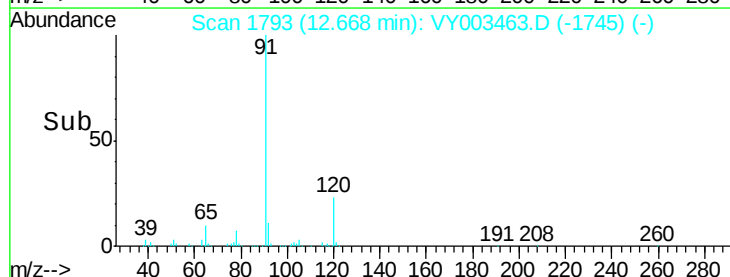
91 100

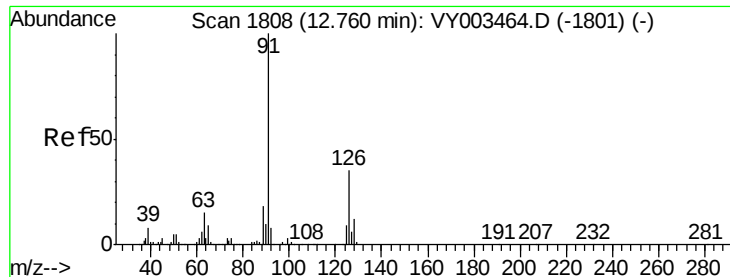
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

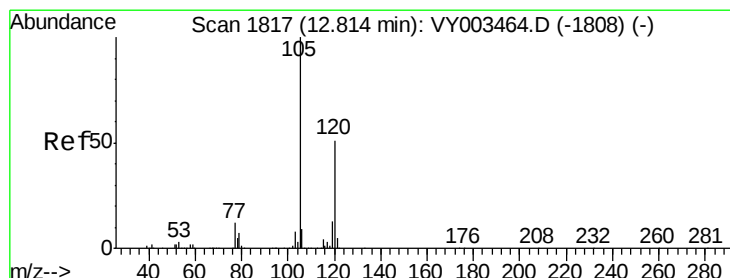
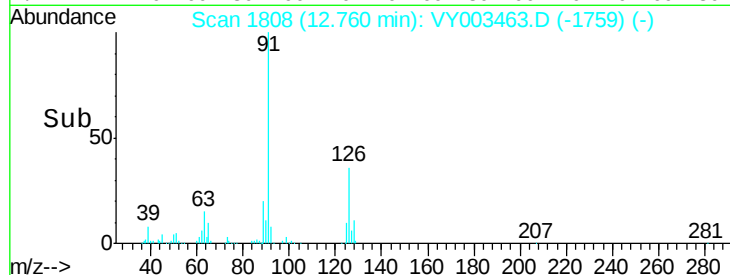
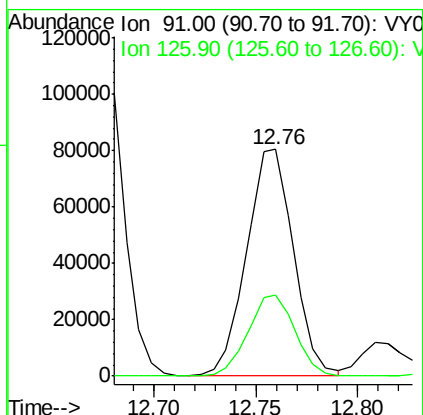
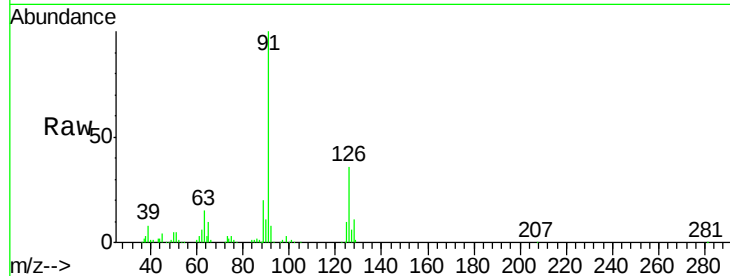




#79
 2-Chlorotoluene
 Concen: 20.878 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

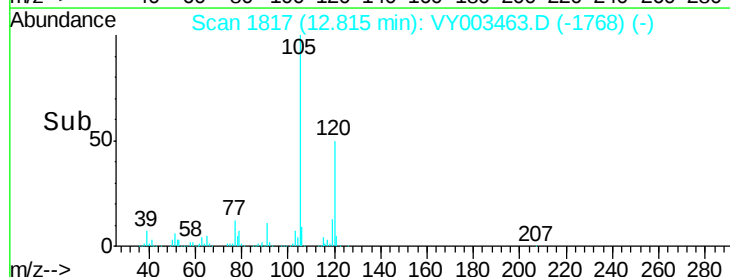
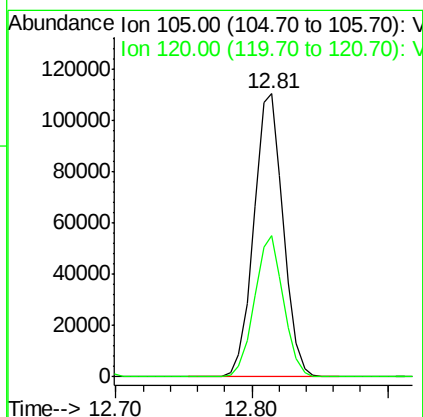
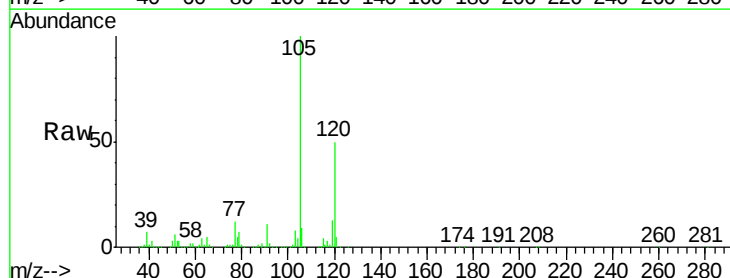
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

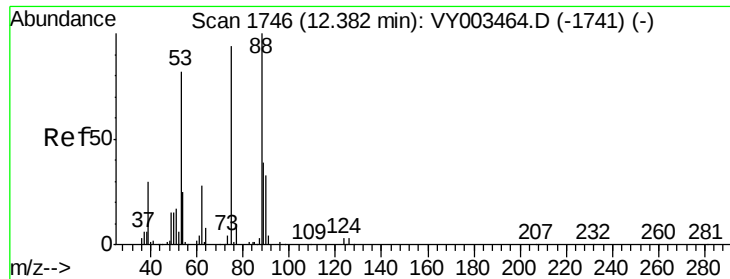
Tot Ion: 91 Resp: 128776
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.041 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion: 105 Resp: 165978
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.948 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

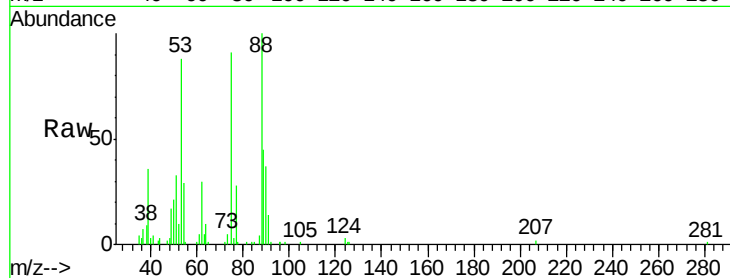
Tot Ion: 75 Resp: 14809

Ion Ratio Lower Upper

75 100

53 93.1 74.7 112.1

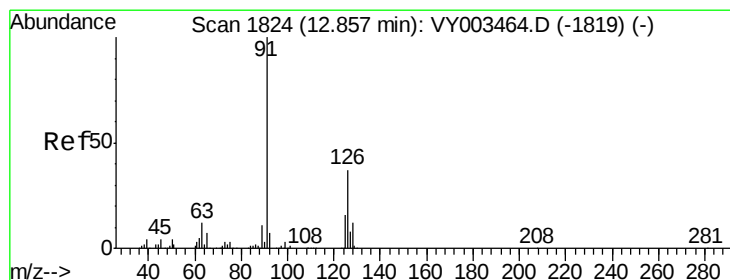
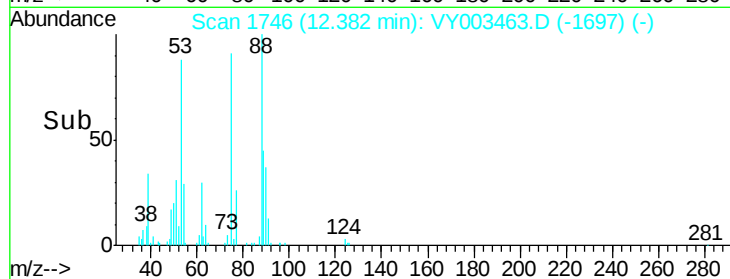
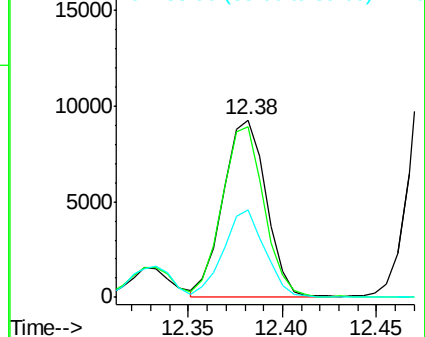
89 47.2 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 20.649 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VY003463.D

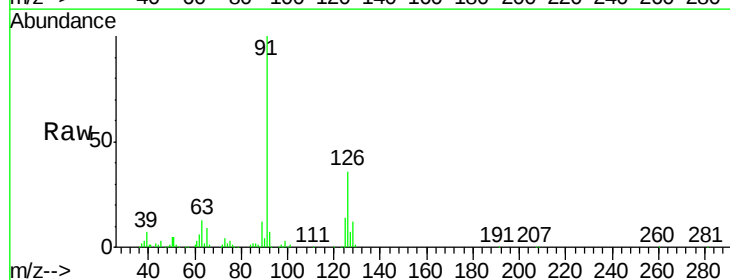
Acq: 02 Nov 2020 10:55

Tgt Ion: 91 Resp: 135015

Ion Ratio Lower Upper

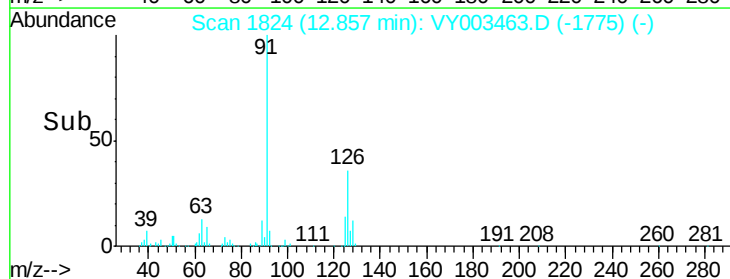
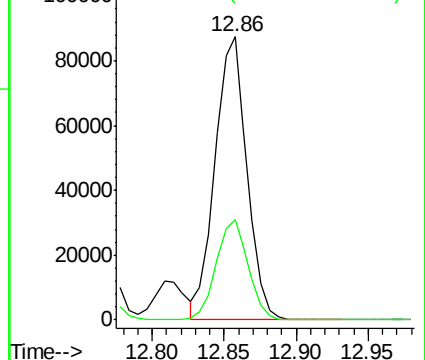
91 100

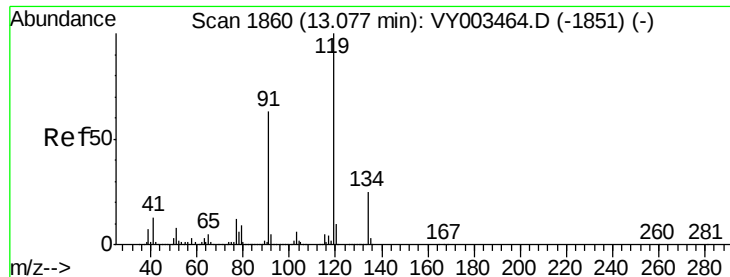
126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

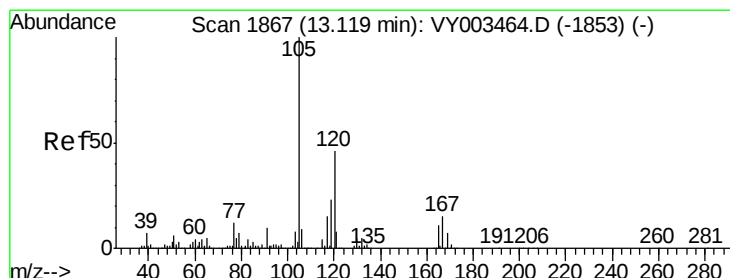
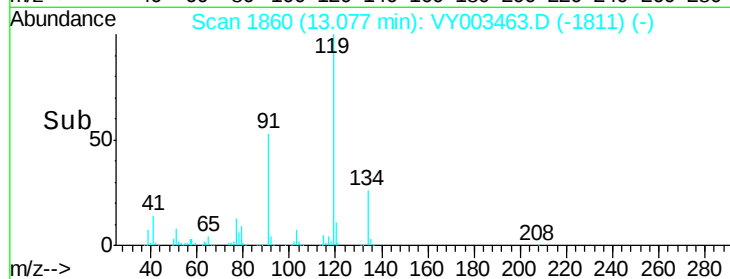
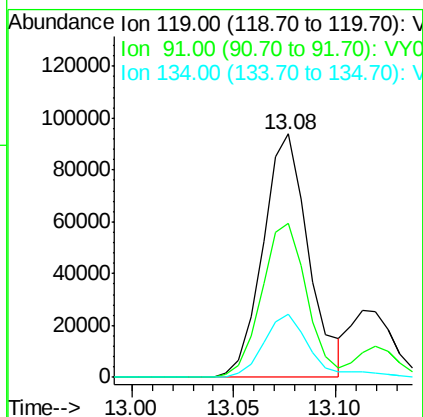
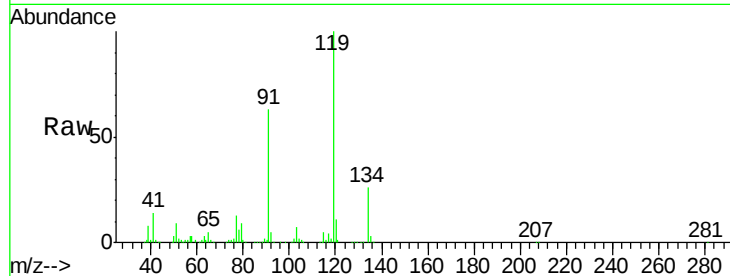




#83
tert-Butylbenzene
Concen: 21.283 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

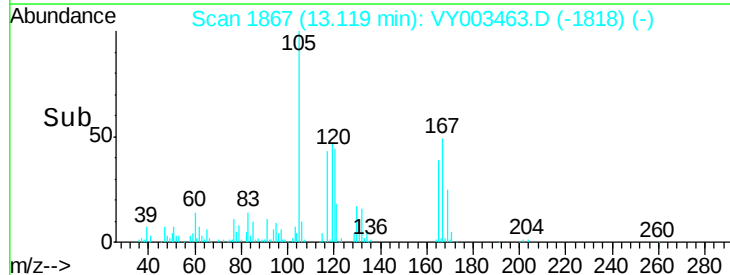
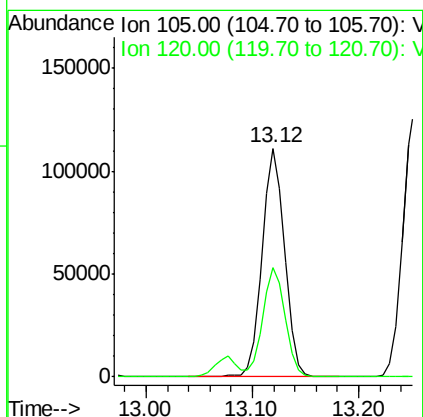
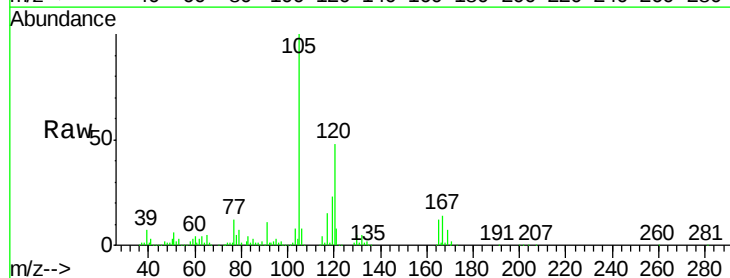
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

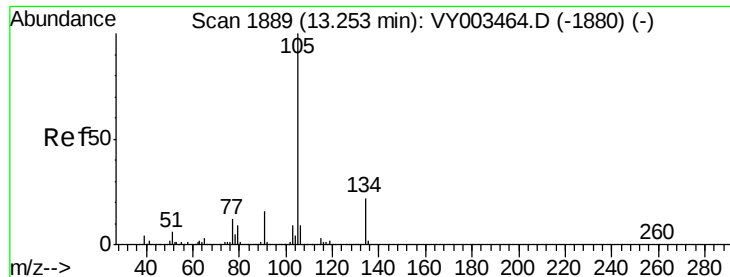
Tot Ion:119 Resp: 146420
Ion Ratio Lower Upper
119 100
91 62.4 31.1 93.2
134 26.6 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 20.717 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY003463.D
Acq: 02 Nov 2020 10:55

Tgt Ion:105 Resp: 165018
Ion Ratio Lower Upper
105 100
120 46.9 22.9 68.8

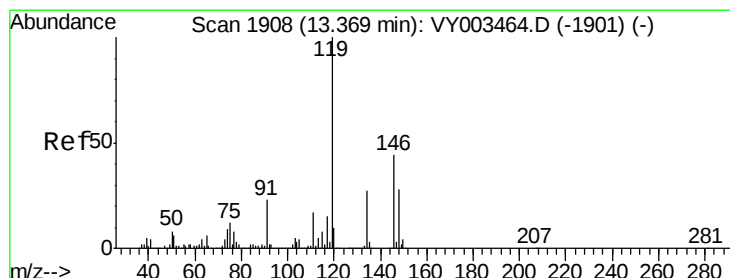
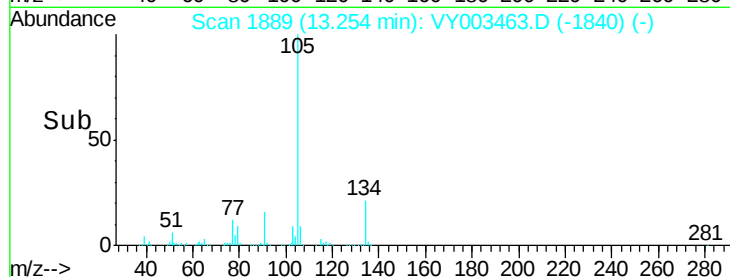
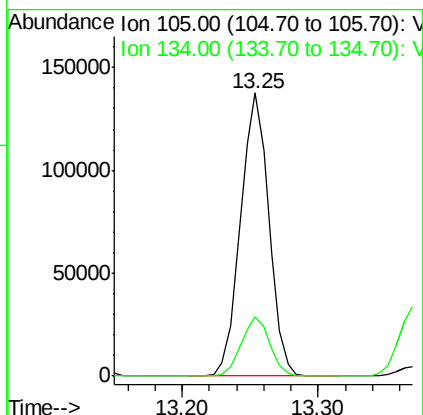
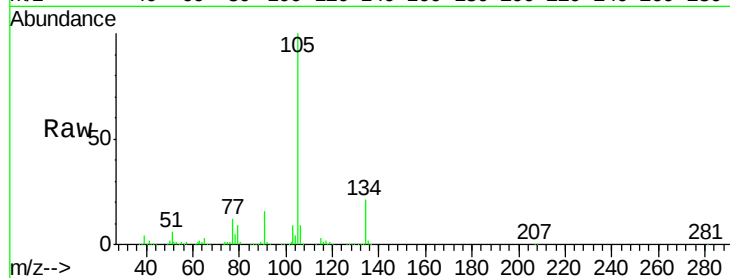




#85
 sec-Butylbenzene
 Concen: 21.103 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

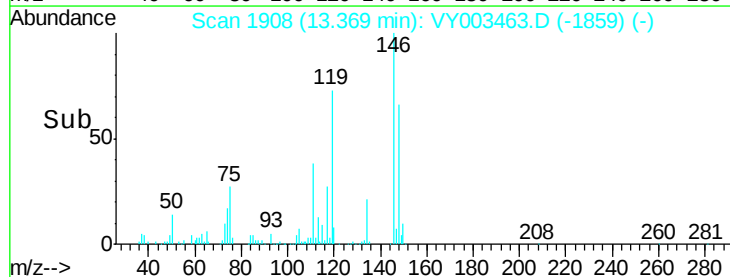
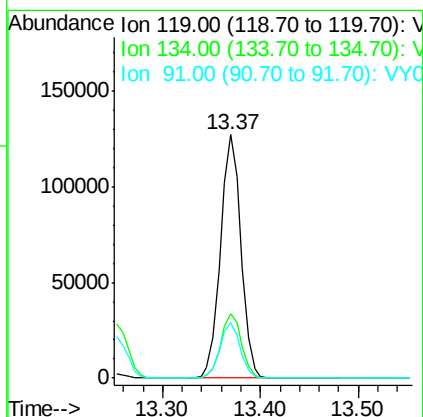
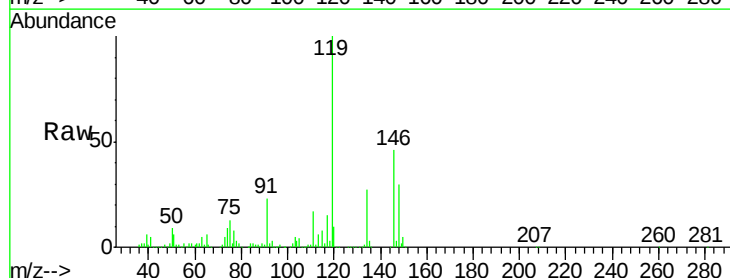
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

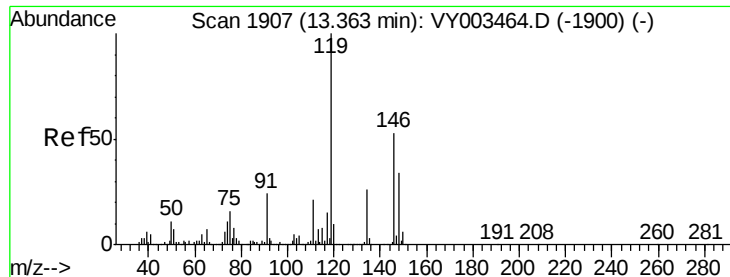
Tot Ion:105 Resp: 200068
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 20.536 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion:119 Resp: 184496
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.011 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

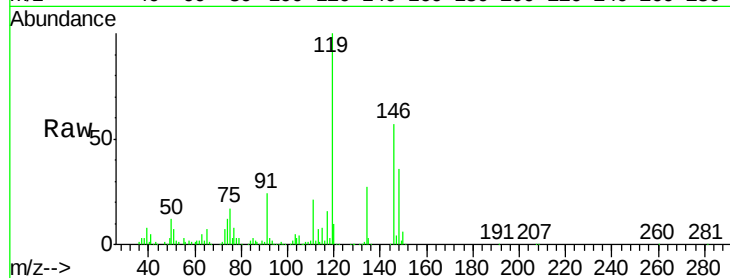
Tot Ion:146 Resp: 93154

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

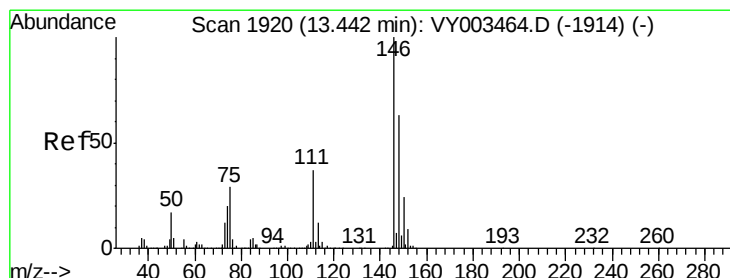
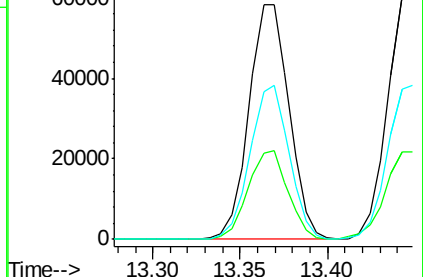
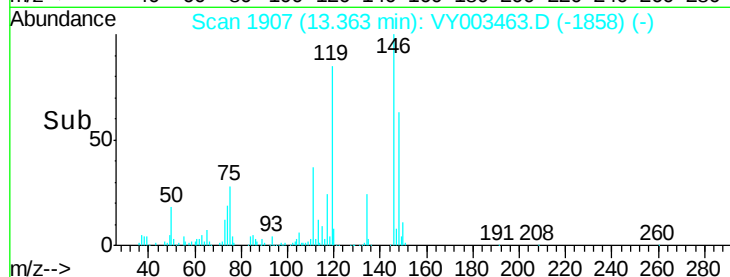
148 63.8 32.4 97.0



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



#88

1,4-Dichlorobenzene

Concen: 20.441 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

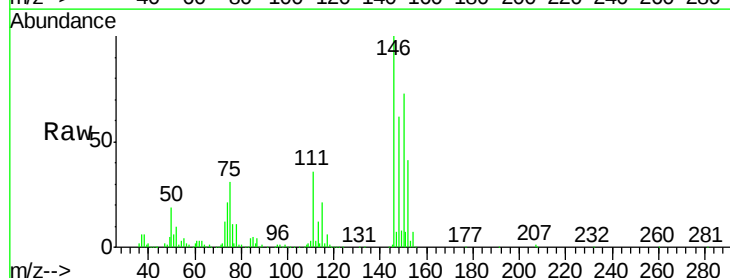
Tgt Ion:146 Resp: 94824

Ion Ratio Lower Upper

146 100

111 37.1 18.3 54.8

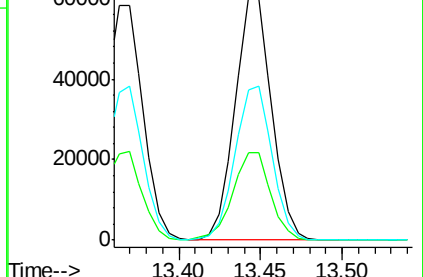
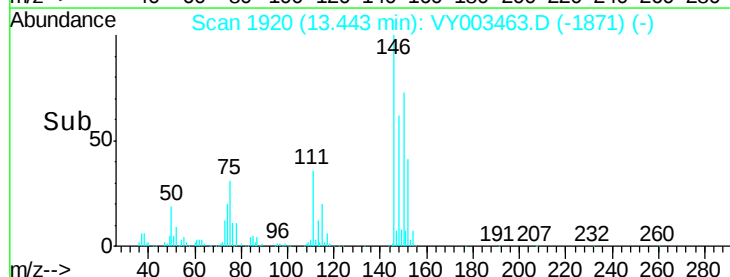
148 63.8 32.0 96.0

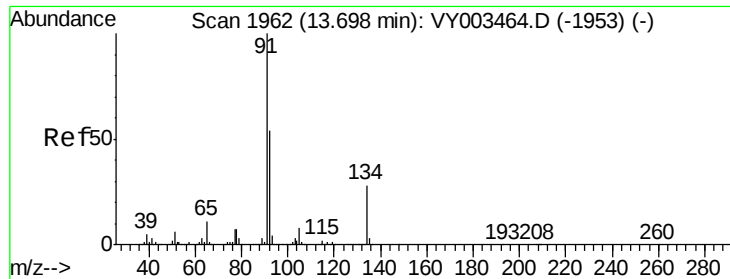


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.572 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

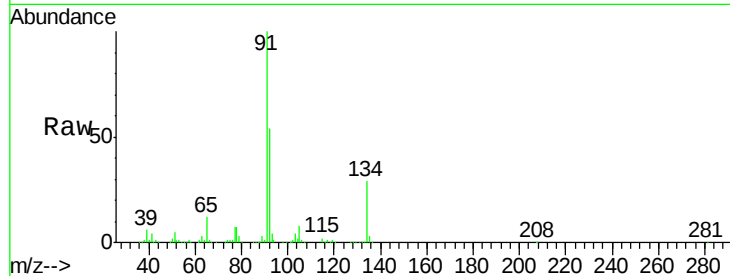
Tot Ion: 91 Resp: 169033

Ion Ratio Lower Upper

91 100

92 53.2 26.7 80.1

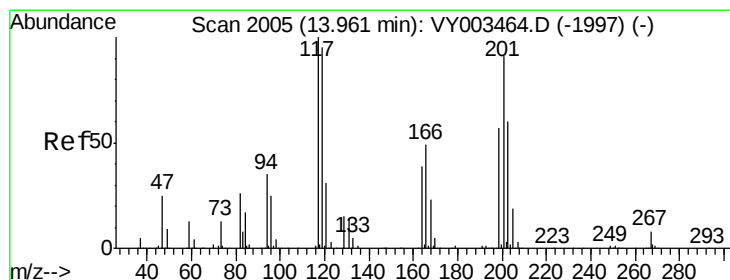
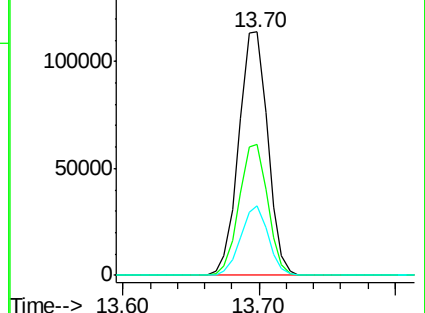
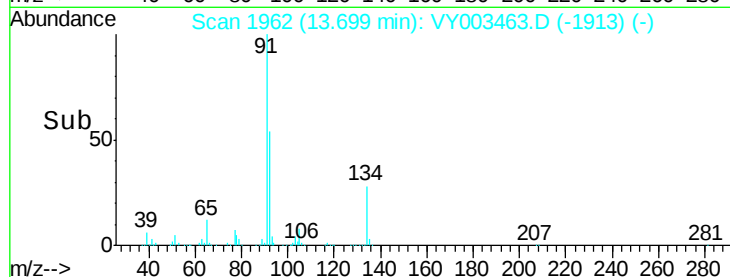
134 27.4 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VY003463.D (-1913) (-)

Ion 92.00 (91.70 to 92.70): VY003463.D (-1913) (-)

Ion 134.00 (133.70 to 134.70): VY003463.D (-1913) (-)



#90

Hexachloroethane

Concen: 21.923 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. 0.00 min

Lab File: VY003463.D

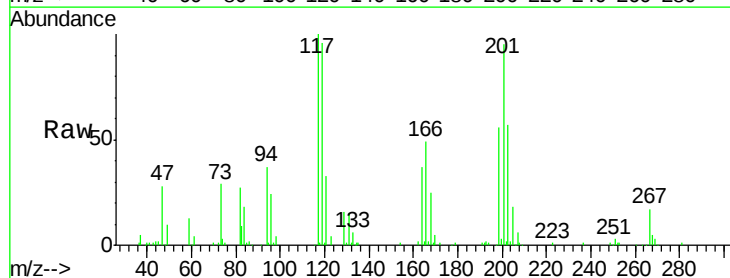
Acq: 02 Nov 2020 10:55

Tgt Ion: 117 Resp: 31165

Ion Ratio Lower Upper

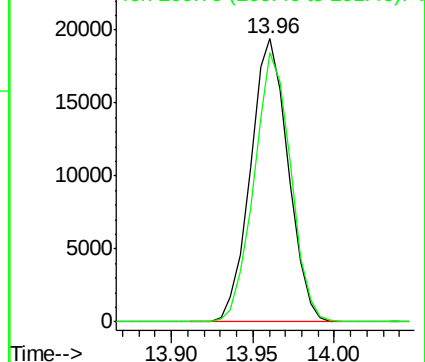
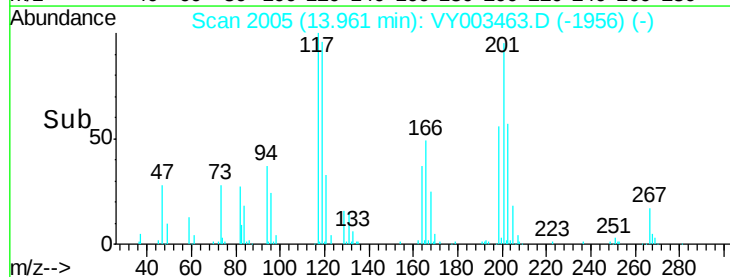
117 100

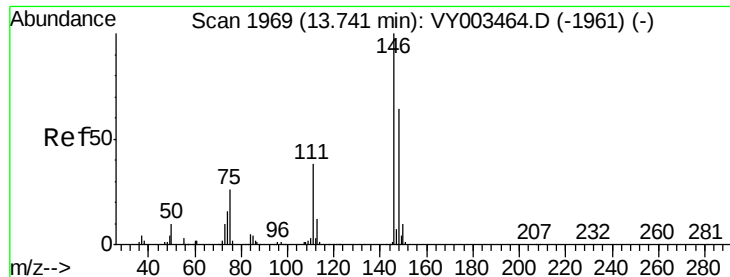
201 92.2 46.6 139.8



Abundance Ion 116.80 (116.50 to 117.50): VY003463.D (-1956) (-)

Ion 200.70 (200.40 to 201.40): VY003463.D (-1956) (-)

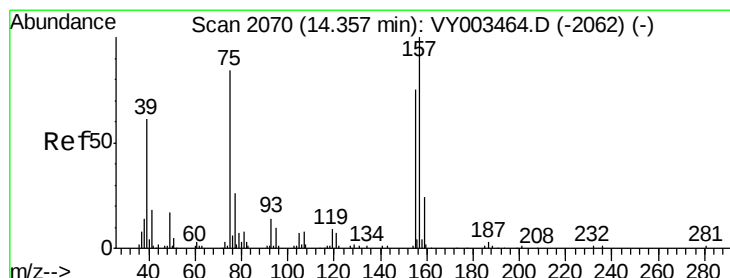
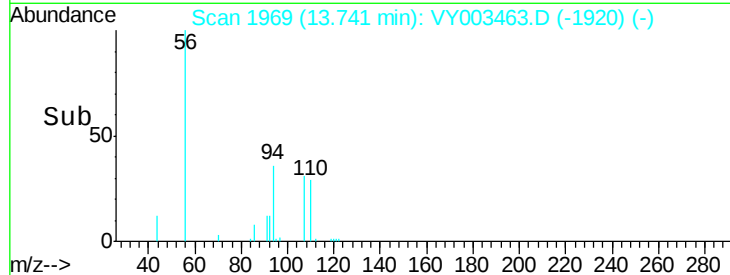
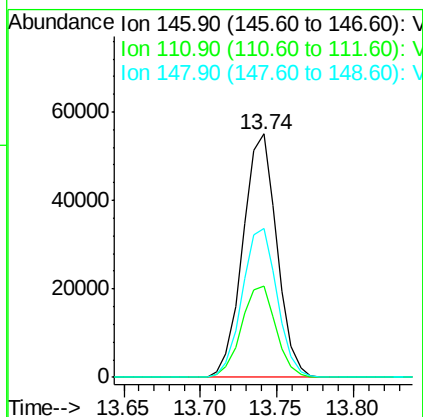
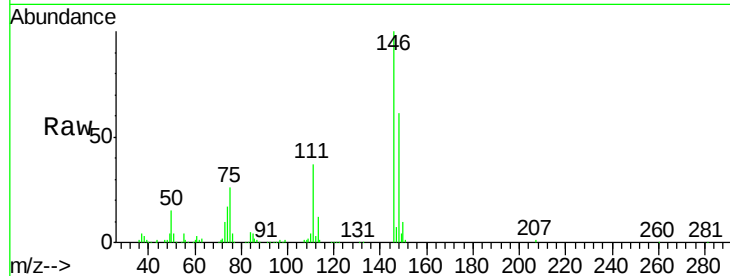




#91
 1,2-Dichlorobenzene
 Concen: 20.524 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

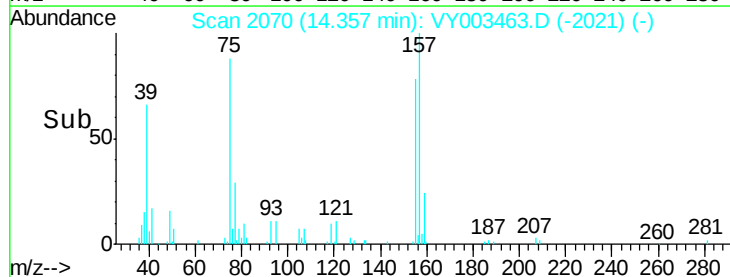
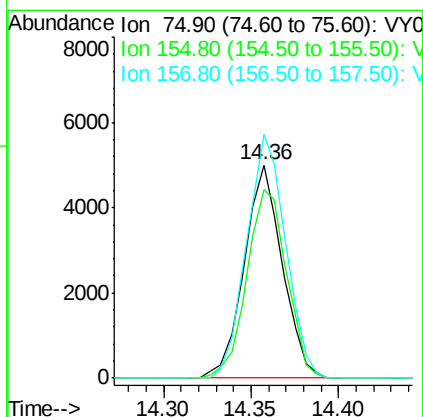
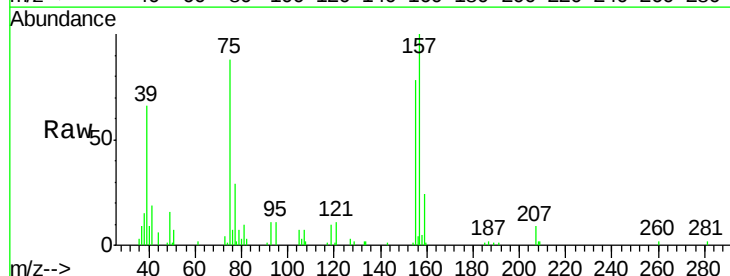
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

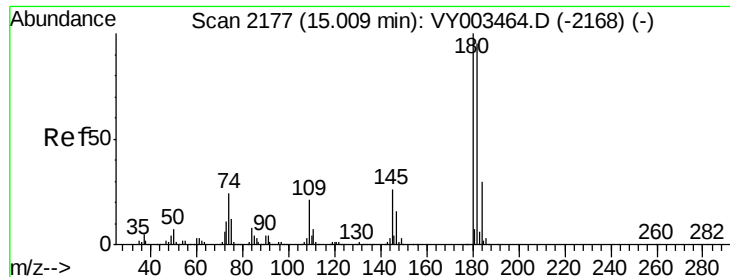
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.8
148	62.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.120 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	45.6	136.7
157	116.5	60.3	180.8

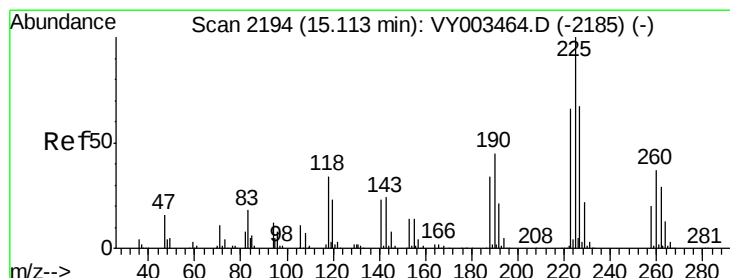
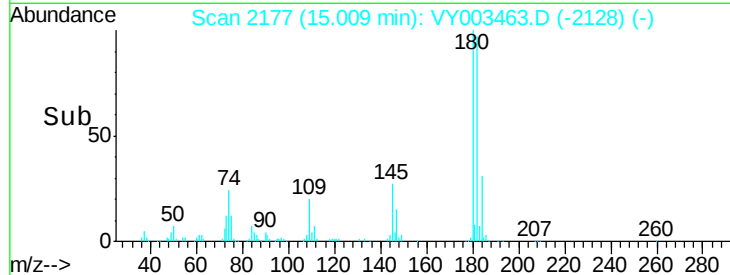
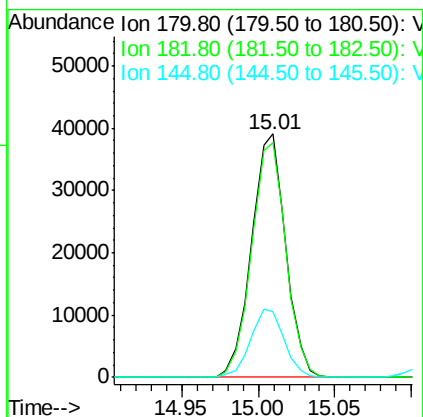
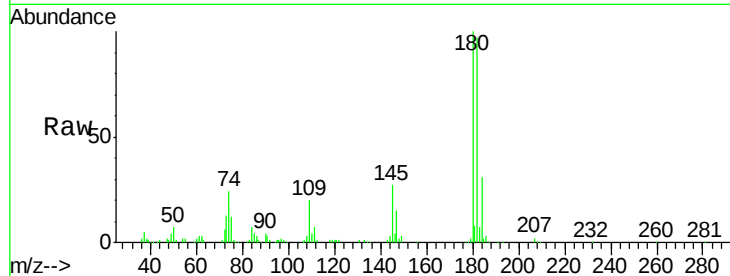




#93
 1,2,4-Trichlorobenzene
 Concen: 19.691 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

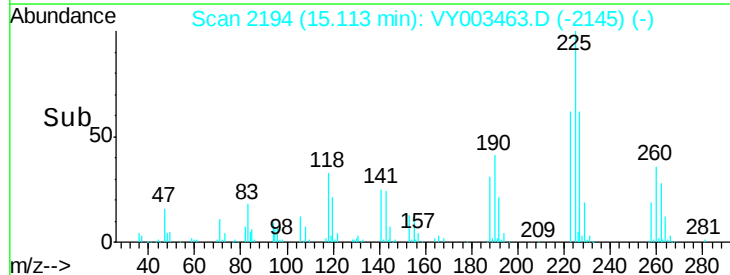
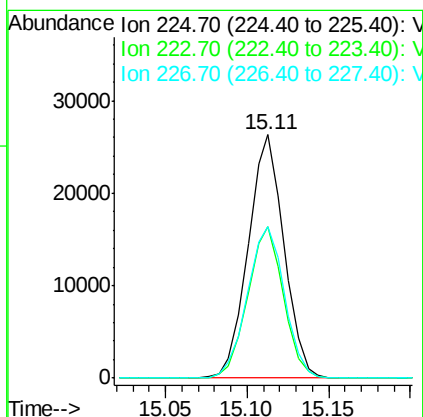
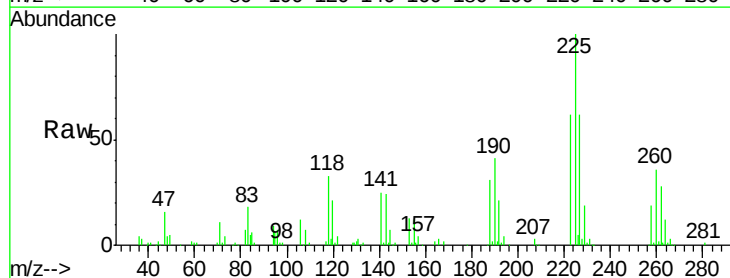
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

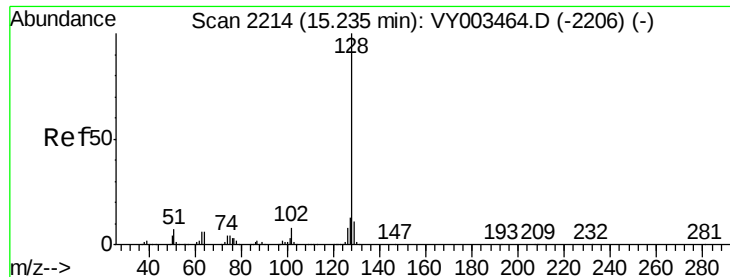
Tot Ion:180 Resp: 60465
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.1 144.3
 145 27.6 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 20.030 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY003463.D
 Acq: 02 Nov 2020 10:55

Tgt Ion:225 Resp: 40086
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.1 96.3
 227 64.6 32.4 97.2





#95

Naphthalene

Concen: 21.118 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

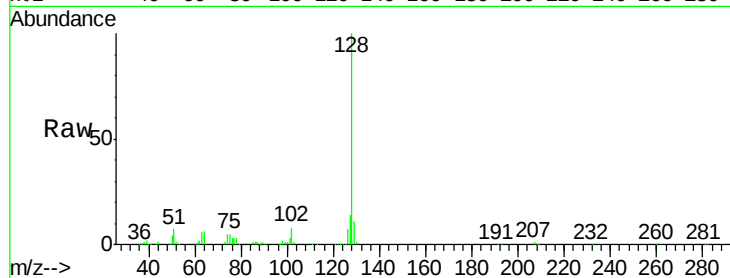
Tot Ion:128 Resp: 116082

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

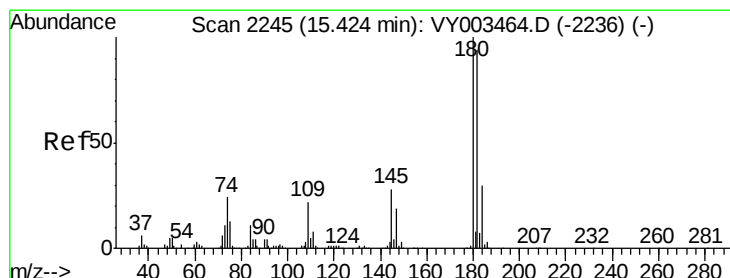
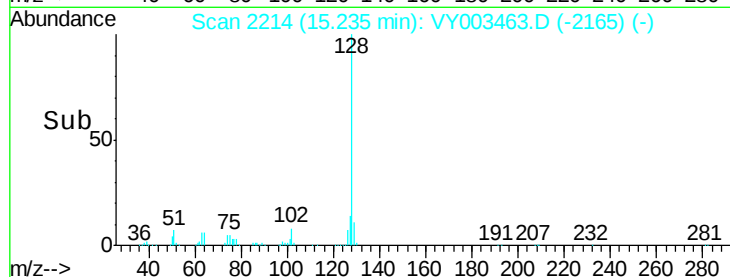
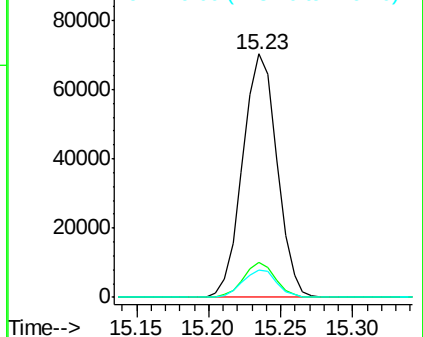
129 11.1 8.6 13.0



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: 20.232 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY003463.D

Acq: 02 Nov 2020 10:55

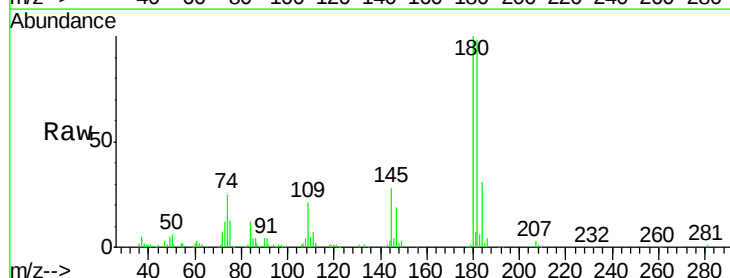
Tgt Ion:180 Resp: 54110

Ion Ratio Lower Upper

180 100

182 95.5 46.9 140.7

145 28.5 14.4 43.2



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

