

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002756.D
 Acq On : 27 May 2020 11:27
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: May 27 12:42:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	294075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	434329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	222892	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	25800	11.10	ug/l	0.00
Spiked Amount			Recovery	=	22.20%	
35) Dibromofluoromethane	7.72	113	24990	10.34	ug/l	0.00
Spiked Amount			Recovery	=	20.68%	
50) Toluene-d8	10.18	98	100969	10.40	ug/l	0.00
Spiked Amount			Recovery	=	20.80%	
62) 4-Bromofluorobenzene	12.48	95	34496	10.30	ug/l	0.00
Spiked Amount			Recovery	=	20.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	20991	10.069	ug/l	97
3) Chloromethane	2.12	50	23305	9.838	ug/l	99
4) Vinyl Chloride	2.26	62	24271	9.807	ug/l	97
5) Bromomethane	2.65	94	19345	10.539	ug/l	97
6) Chloroethane	2.80	64	16083	10.152	ug/l	98
7) Trichlorofluoromethane	3.13	101	43550	10.338	ug/l	97
8) Diethyl Ether	3.54	74	17067	11.794	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	25229	9.863	ug/l	95
10) Methyl Iodide	4.10	142	33153	9.478	ug/l	98
11) Tert butyl alcohol	4.96	59	18076	75.374	ug/l	95
12) 1,1-Dichloroethene	3.88	96	25648	10.026	ug/l	93
13) Acrolein	3.74	56	16592	60.355	ug/l	98
14) Allyl chloride	4.48	41	35314	9.590	ug/l	97
15) Acrylonitrile	5.18	53	37691	57.121	ug/l	99
16) Acetone	3.96	43	29817	60.498	ug/l	99
17) Carbon Disulfide	4.20	76	76617	9.627	ug/l	98
18) Methyl Acetate	4.49	43	15790	11.562	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	70346	10.941	ug/l	93
20) Methylene Chloride	4.72	84	31357	10.977	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	28706	10.089	ug/l	92
22) Diisopropyl ether	6.13	45	76458	10.433	ug/l	97
23) Vinyl Acetate	6.07	43	251001	53.085	ug/l	98
24) 1,1-Dichloroethane	6.04	63	44152	10.102	ug/l	99
25) 2-Butanone	6.99	43	47966	59.640	ug/l	99
26) 2,2-Dichloropropane	6.99	77	43787	10.710	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	31567	10.227	ug/l	97
28) Bromochloromethane	7.34	49	19021	10.883	ug/l	99
29) Tetrahydrofuran	7.36	42	30721	56.730	ug/l	96
30) Chloroform	7.52	83	47300	10.401	ug/l	96
31) Cyclohexane	7.79	56	45273	10.260	ug/l	# 86
32) 1,1,1-Trichloroethane	7.71	97	43057	10.230	ug/l	99
36) 1,1-Dichloropropene	7.93	75	37051	10.124	ug/l	99
37) Ethyl Acetate	7.08	43	21599	11.874	ug/l	98
38) Carbon Tetrachloride	7.91	117	42106	10.688	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	48541	9.921	ug/l	99
40) Benzene	8.17	78	109762	10.279	ug/l	99
41) Methacrylonitrile	7.36	41	28076	26.445	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	31386	11.064	ug/l	100
43) Isopropyl Acetate	8.28	43	38358	11.292	ug/l	99
44) Trichloroethene	8.94	130	35160	10.346	ug/l	90
45) 1,2-Dichloropropane	9.22	63	26161	10.274	ug/l	94
46) Dibromomethane	9.31	93	16339	11.375	ug/l	96
47) Bromodichloromethane	9.50	83	36570	10.471	ug/l	99
48) Methyl methacrylate	9.30	41	16828	10.801	ug/l	99
49) 1,4-Dioxane	9.30	88	4739	236.419	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	103566	58.840	ug/l	99
52) Toluene	10.24	92	71910	10.374	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	39505	10.549	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	45030	10.421	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	25136	11.658	ug/l	98
56) Ethyl methacrylate	10.51	69	32043	11.201	ug/l	98
57) 1,3-Dichloropropane	10.79	76	40136	11.188	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	80833	57.541	ug/l	100
59) 2-Hexanone	10.83	43	72531	58.825	ug/l	99
60) Dibromochloromethane	10.99	129	30347	11.073	ug/l	99
61) 1,2-Dibromoethane	11.09	107	23714	11.184	ug/l	99
64) Tetrachloroethene	10.72	164	37670	9.829	ug/l	99
65) Chlorobenzene	11.52	112	82501	10.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	30340	10.321	ug/l	98
67) Ethyl Benzene	11.59	91	140886	10.194	ug/l	98
68) m/p-Xylenes	11.70	106	108921	20.253	ug/l	100
69) o-Xylene	12.03	106	51518	10.190	ug/l	99
70) Styrene	12.04	104	88941	10.232	ug/l	99
71) Bromoform	12.20	173	20396	11.125	ug/l #	97
73) Isopropylbenzene	12.33	105	141605	9.788	ug/l	99
74) N-amyl acetate	12.14	43	36519	10.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	25199	11.473	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	37912	20.558	ug/l #	100
77) Bromobenzene	12.61	156	36992	10.168	ug/l	99
78) n-propylbenzene	12.67	91	165568	9.839	ug/l	100
79) 2-Chlorotoluene	12.75	91	92912	9.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	118757	9.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	10765	10.945	ug/l	98
82) 4-Chlorotoluene	12.85	91	98017	9.983	ug/l	99
83) tert-Butylbenzene	13.07	119	106588	9.880	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	119033	9.781	ug/l	99
85) sec-Butylbenzene	13.25	105	145732	9.814	ug/l	99
86) p-Isopropyltoluene	13.37	119	134306	9.675	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	71777	10.230	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	70308	10.066	ug/l	98
89) n-Butylbenzene	13.69	91	123789	9.709	ug/l	99
90) Hexachloroethane	13.96	117	25359	9.837	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	64841	10.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4858	11.517	ug/l	95

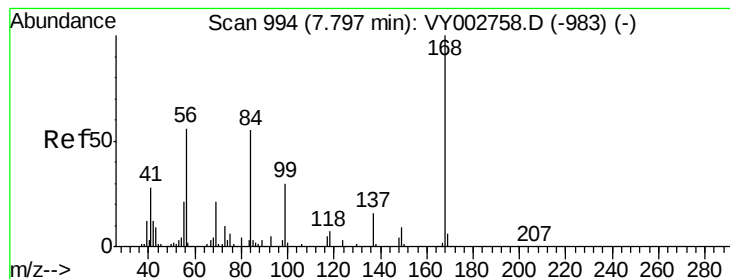
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	47741	9.774	ug/l	99
94) Hexachlorobutadiene	15.11	225	28022	9.545	ug/l	99
95) Naphthalene	15.23	128	95427	10.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	43726	10.254	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

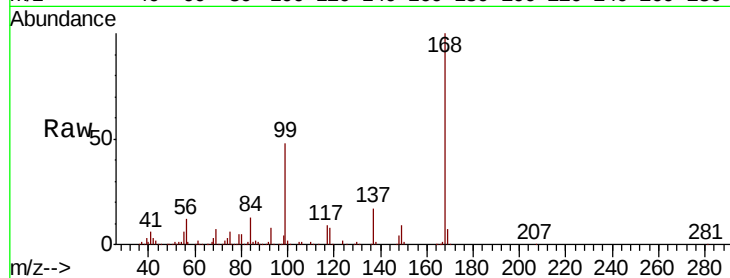
VSTDIC010

Tot Ion:168 Resp: 294075

Ion Ratio Lower Upper

168 100

99 47.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002756.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002756.D (-945) (-)

7.80

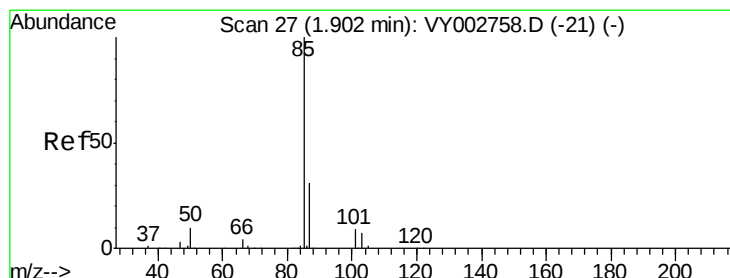
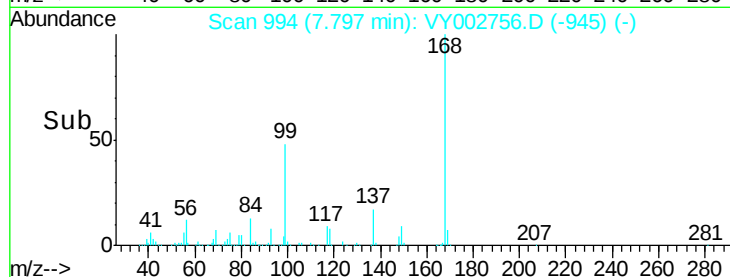
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.069 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002756.D

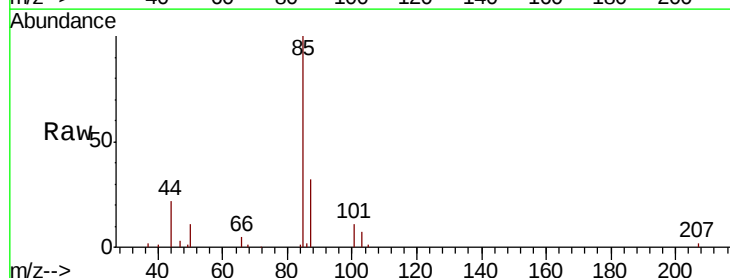
Acq: 27 May 2020 11:27

Tgt Ion: 85 Resp: 20991

Ion Ratio Lower Upper

85 100

87 32.4 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002756.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002756.D (-1) (-)

1.90

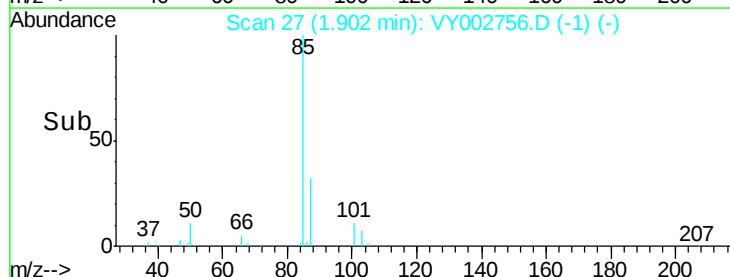
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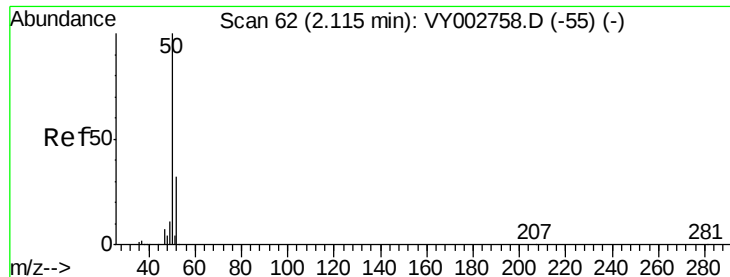
10000

5000

0

Time-->





#3

Chloromethane

Concen: 9.838 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

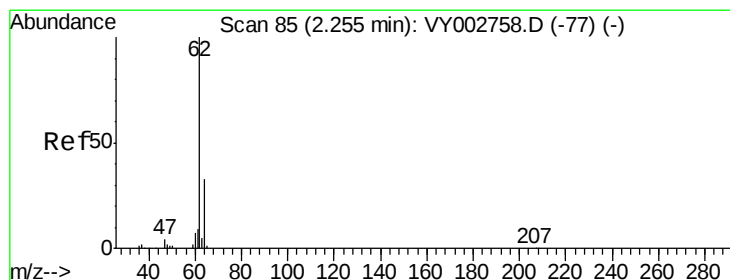
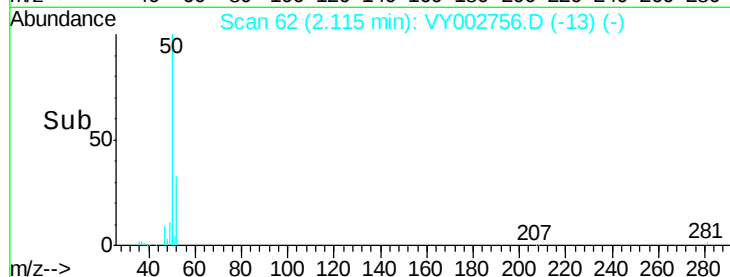
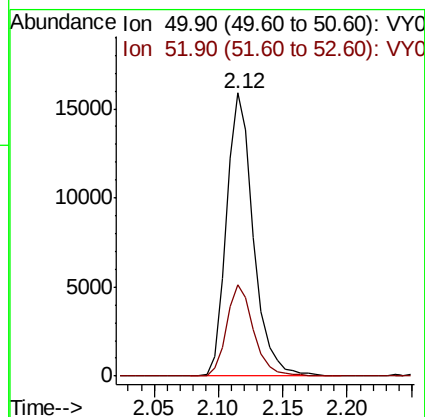
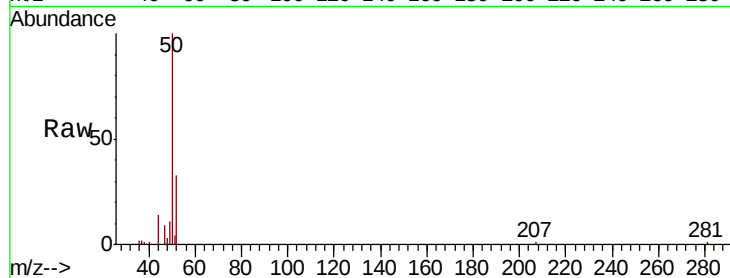
VSTDIC010

Tot Ion: 50 Resp: 23305

Ion Ratio Lower Upper

50 100

52 32.5 25.8 38.6



#4

Vinyl Chloride

Concen: 9.807 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002756.D

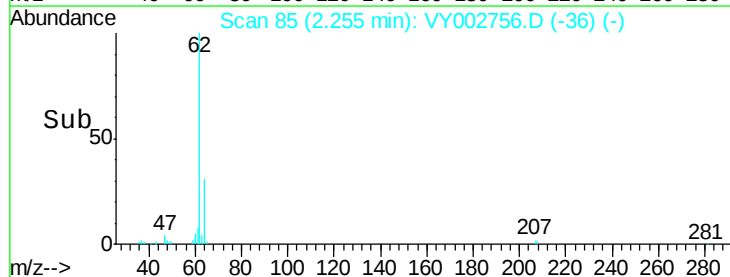
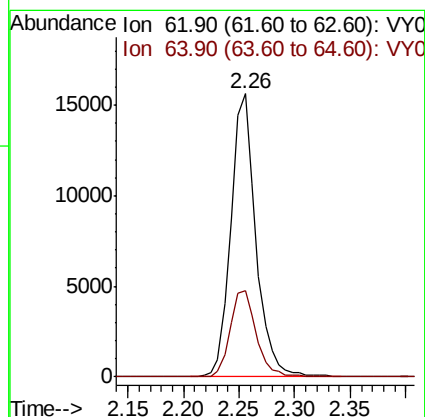
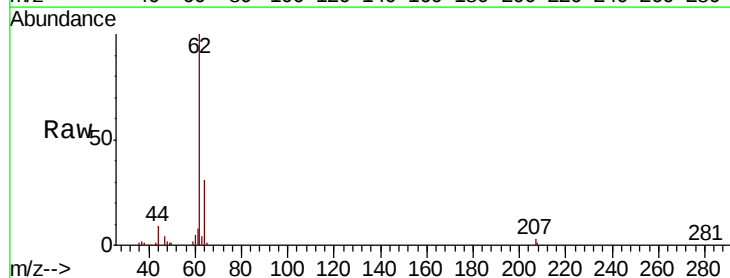
Acq: 27 May 2020 11:27

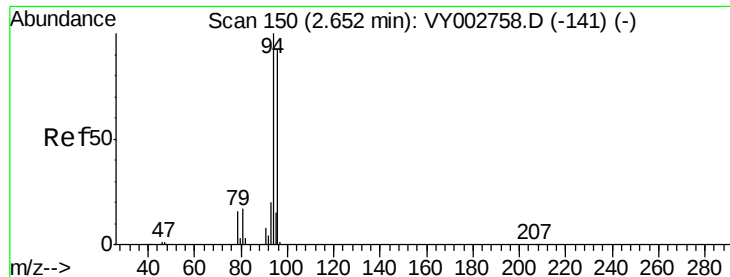
Tgt Ion: 62 Resp: 24271

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1





#5

Bromomethane

Concen: 10.539 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

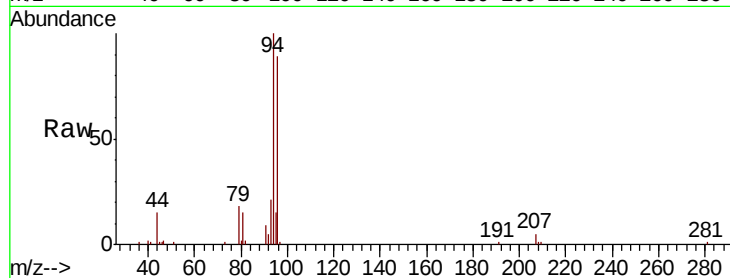
VSTDIC010

Tot Ion: 94 Resp: 19345

Ion Ratio Lower Upper

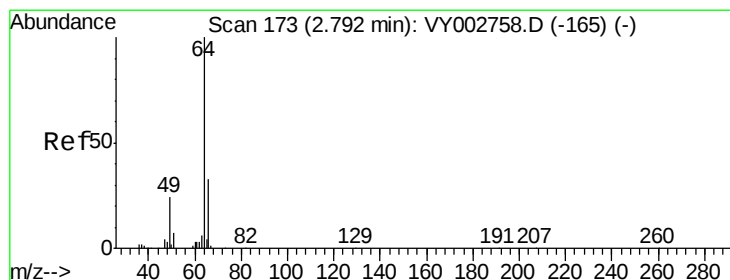
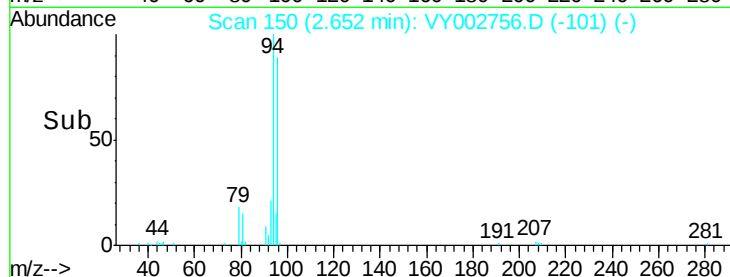
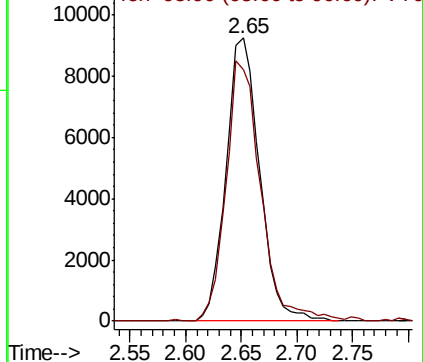
94 100

96 89.0 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 10.152 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002756.D

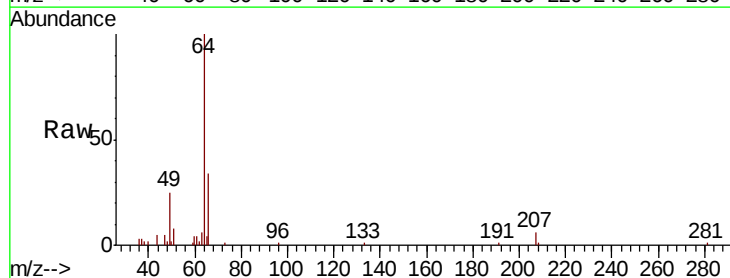
Acq: 27 May 2020 11:27

Tgt Ion: 64 Resp: 16083

Ion Ratio Lower Upper

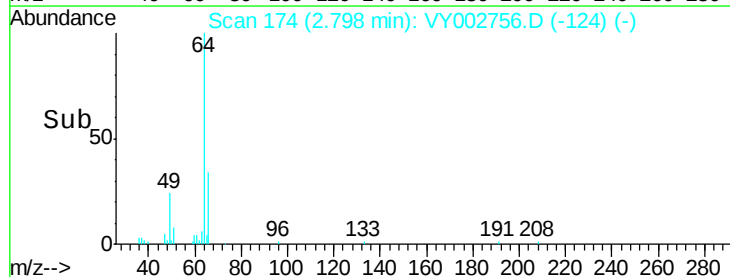
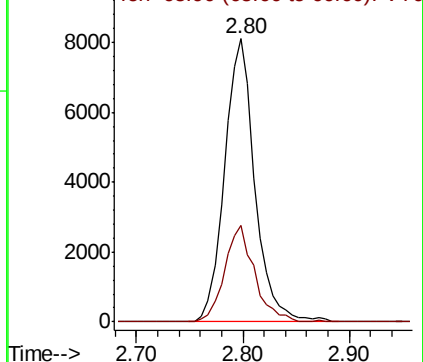
64 100

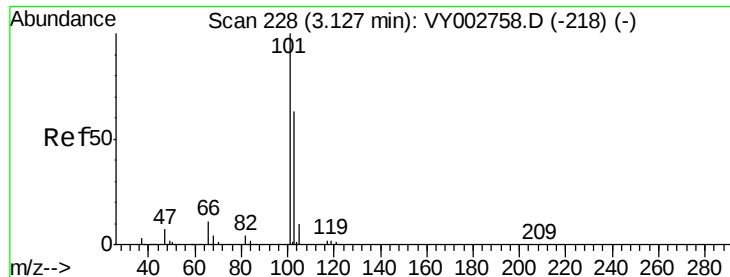
66 34.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



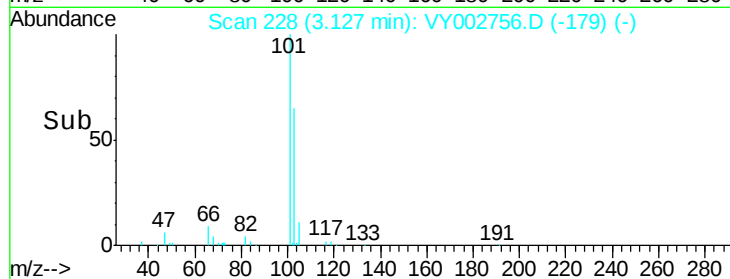
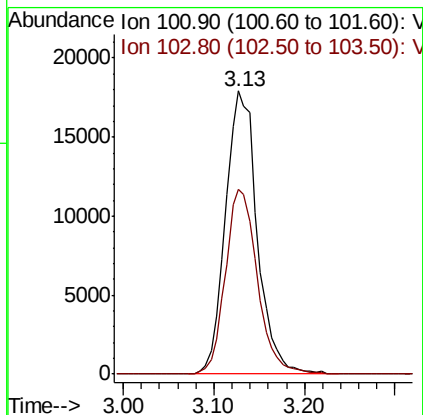
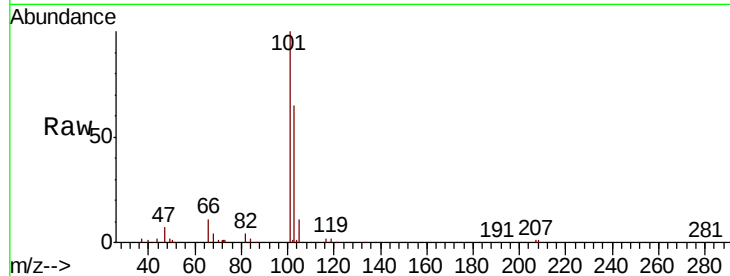


#7

Trichlorofluoromethane
Concen: 10.338 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

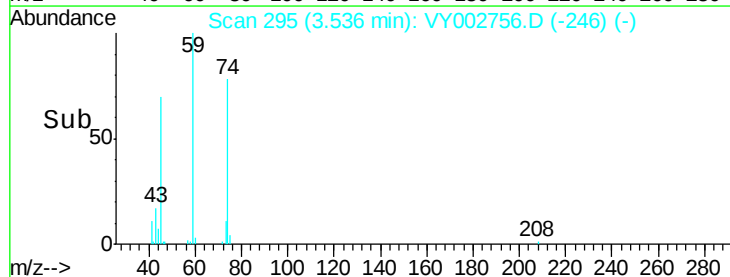
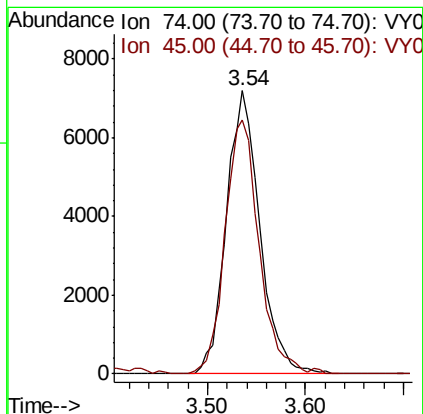
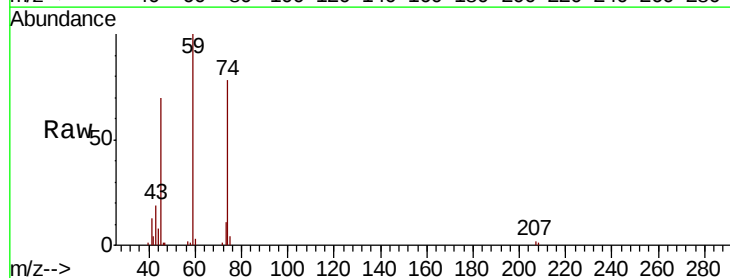
Tot Ion:101 Resp: 43550
Ion Ratio Lower Upper
101 100
103 65.3 50.6 76.0

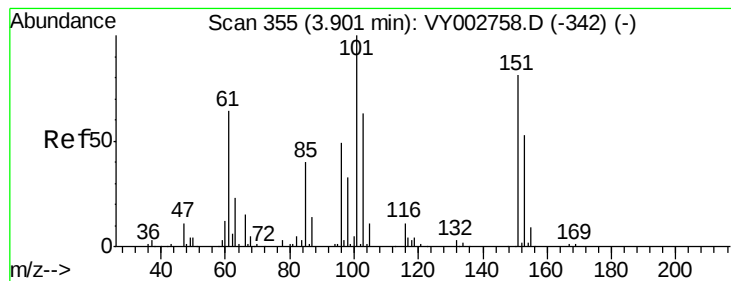


#8

Diethyl Ether
Concen: 11.794 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 74 Resp: 17067
Ion Ratio Lower Upper
74 100
45 90.9 44.0 131.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.863 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

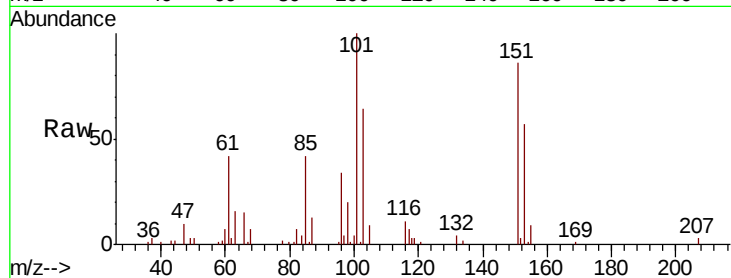
Tot Ion:101 Resp: 25229

Ion Ratio Lower Upper

101 100

85 43.3 32.7 49.1

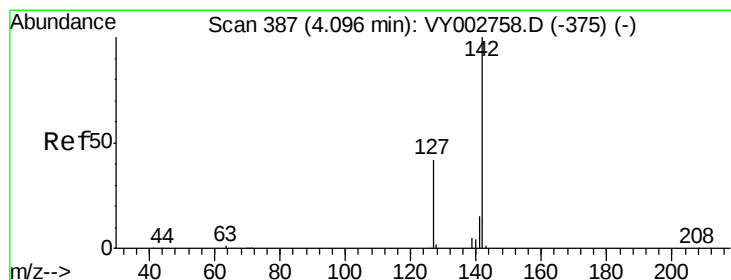
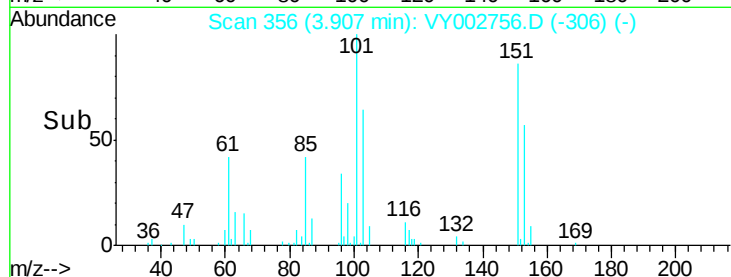
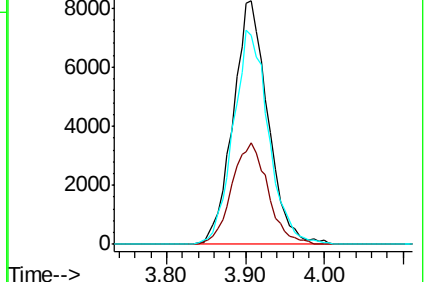
151 89.4 68.0 102.0



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: 9.478 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

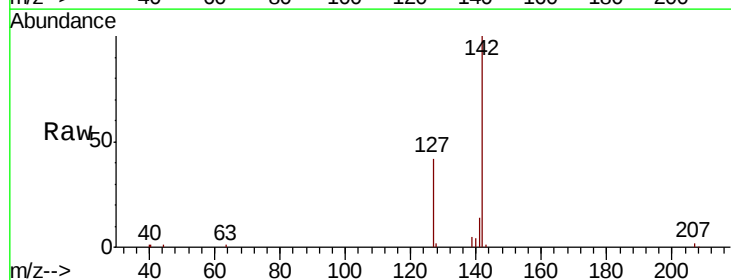
Tgt Ion:142 Resp: 33153

Ion Ratio Lower Upper

142 100

127 42.8 33.3 49.9

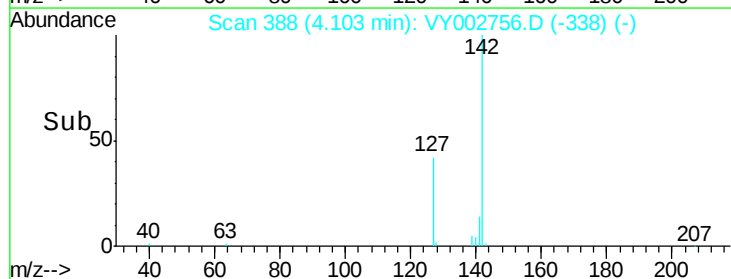
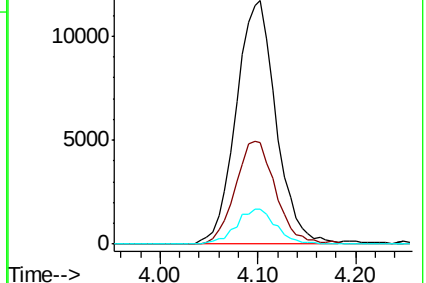
141 14.2 11.5 17.3



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



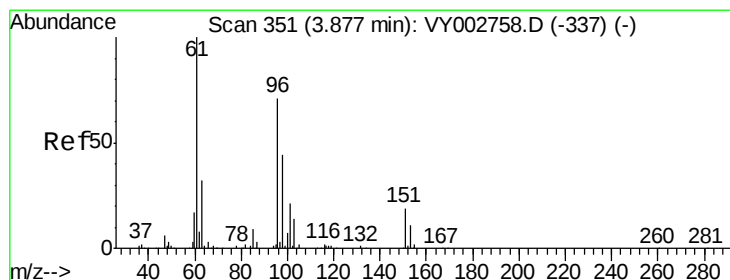
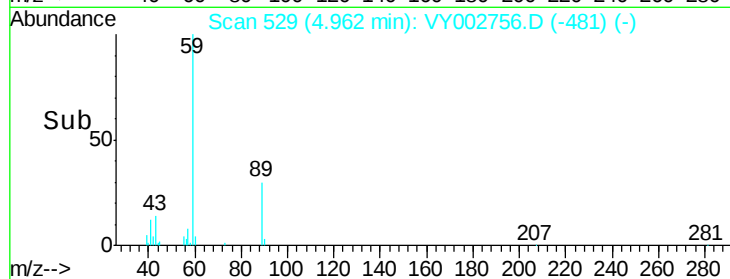
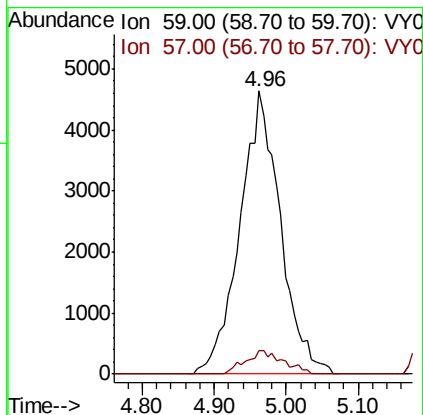
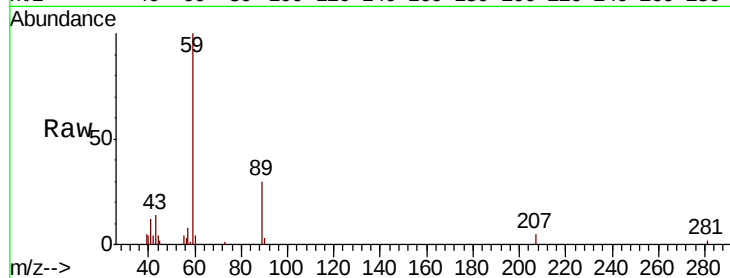


#11

Tert butyl alcohol
 Concen: 75.374 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC010

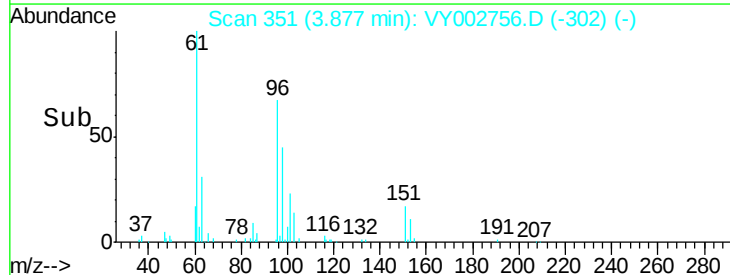
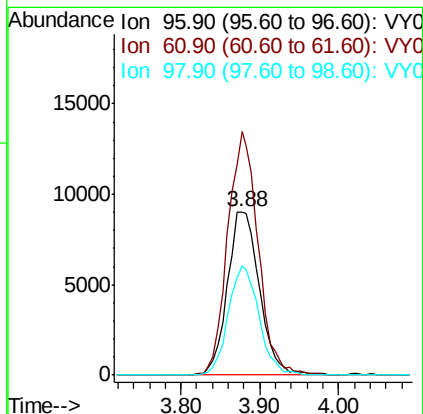
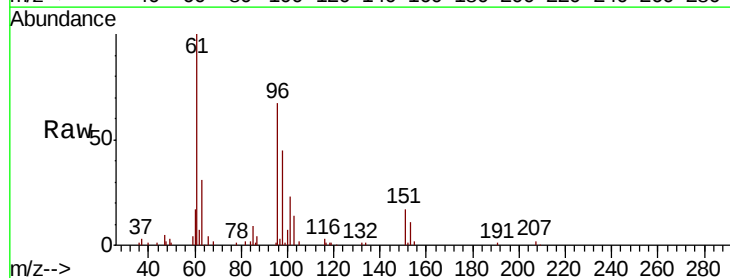
Tot Ion: 59 Resp: 18076
 Ion Ratio Lower Upper
 59 100
 57 7.8 7.7 11.5

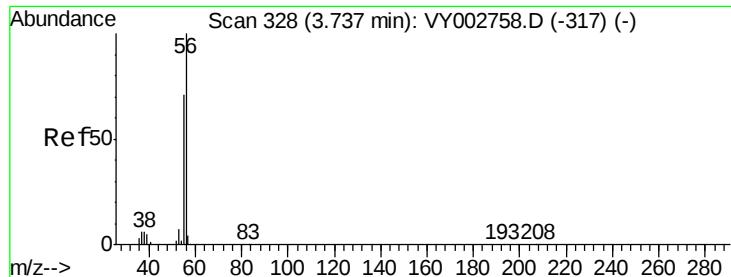


#12

1,1-Dichloroethene
 Concen: 10.026 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion: 96 Resp: 25648
 Ion Ratio Lower Upper
 96 100
 61 149.1 112.6 168.8
 98 66.9 50.0 75.0





#13

Acrolein

Concen: 60.355 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

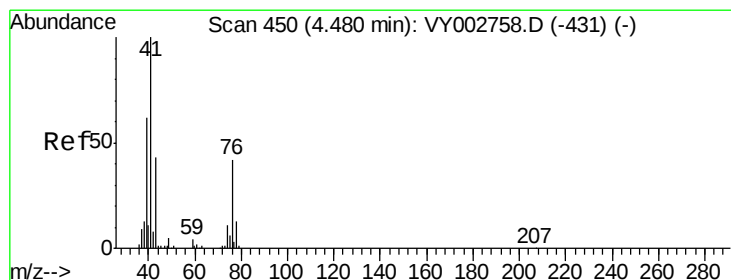
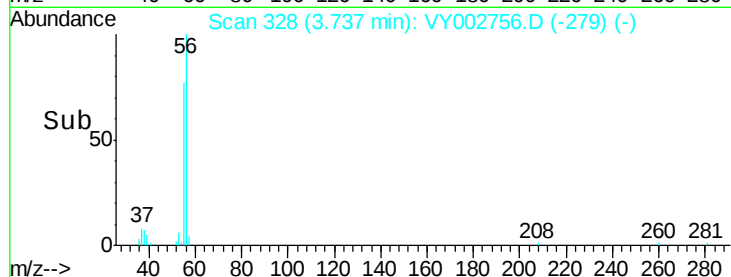
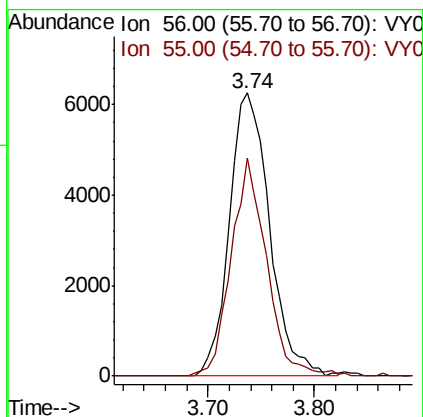
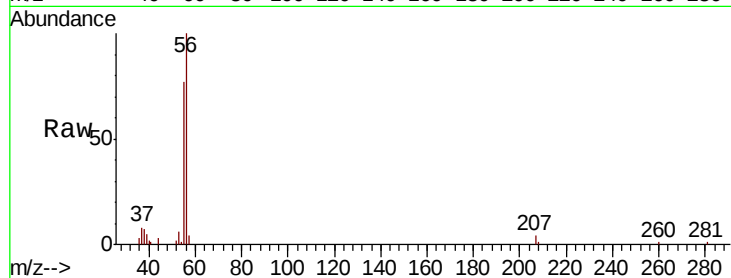
VSTDIC010

Tot Ion: 56 Resp: 16592

Ion Ratio Lower Upper

56 100

55 68.0 56.0 84.0



#14

Allyl chloride

Concen: 9.590 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

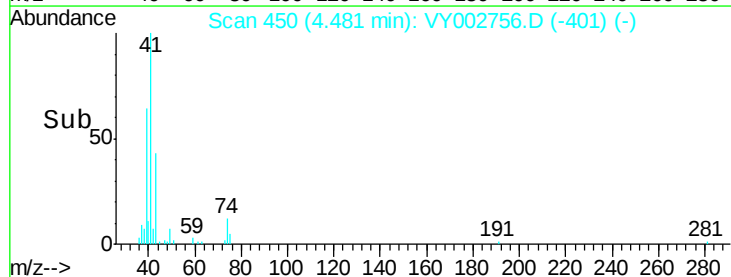
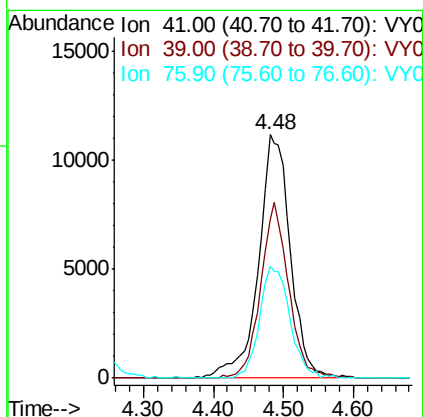
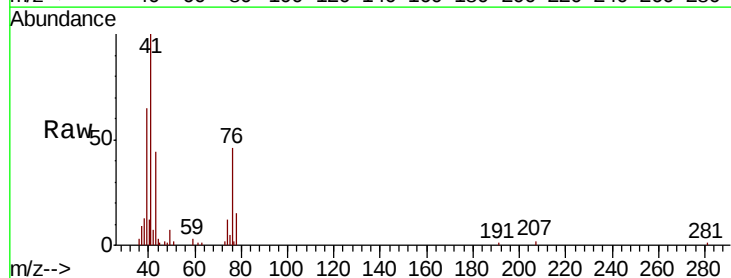
Tgt Ion: 41 Resp: 35314

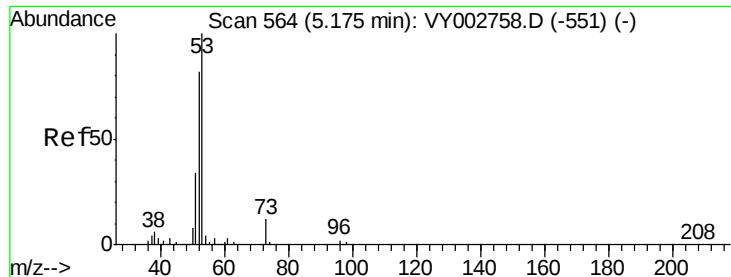
Ion Ratio Lower Upper

41 100

39 64.0 49.9 74.9

76 44.0 33.2 49.8





#15

Acrylonitrile

Concen: 57.121 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

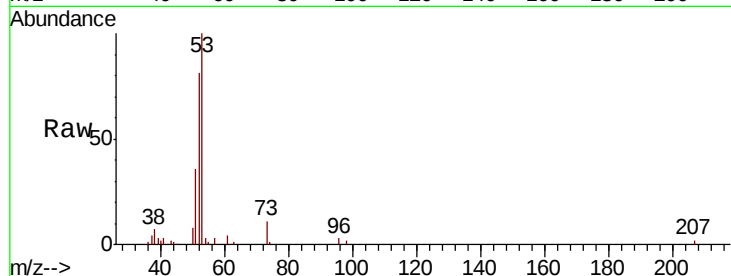
Tot Ion: 53 Resp: 37691

Ion Ratio Lower Upper

53 100

52 80.8 65.3 97.9

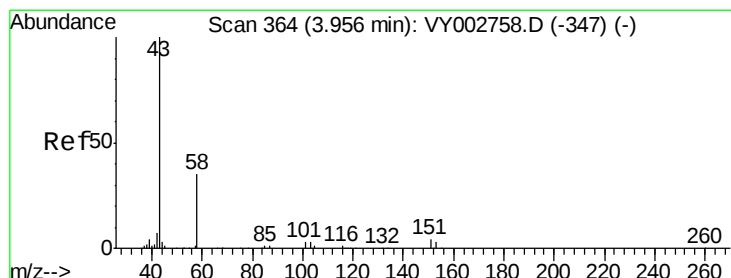
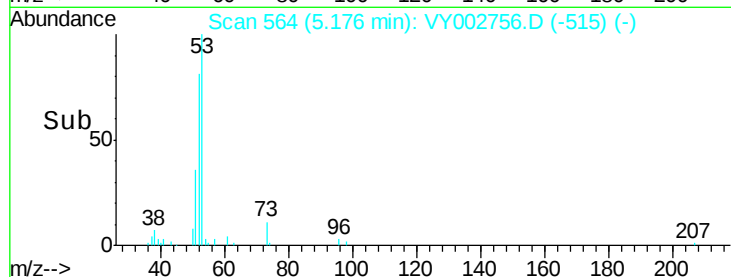
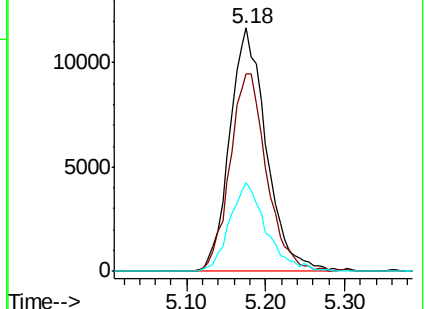
51 36.3 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VY002756.D (-515) (-)

Ion 52.00 (51.70 to 52.70): VY002756.D (-515) (-)

Ion 51.00 (50.70 to 51.70): VY002756.D (-515) (-)



#16

Acetone

Concen: 60.498 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002756.D

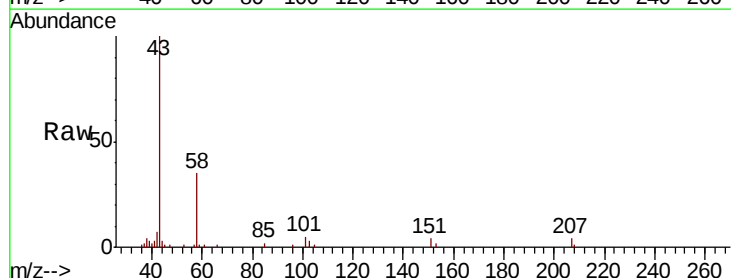
Acq: 27 May 2020 11:27

Tgt Ion: 43 Resp: 29817

Ion Ratio Lower Upper

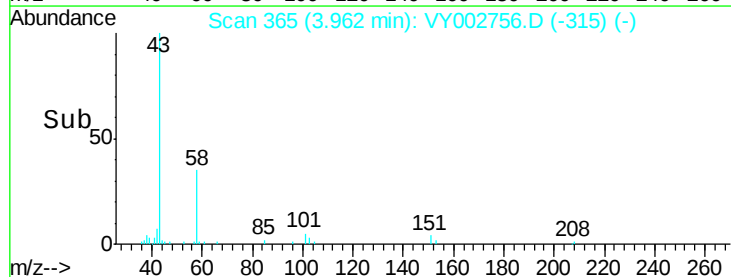
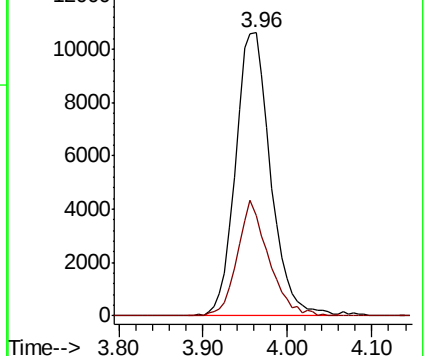
43 100

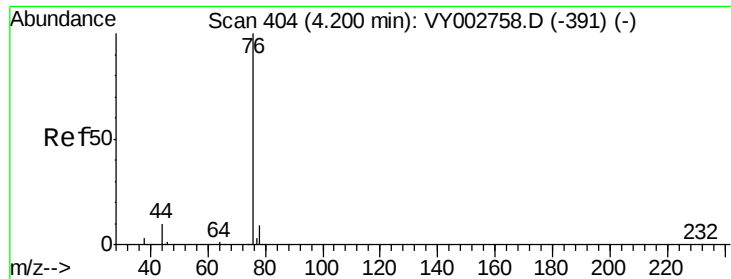
58 35.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002756.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002756.D (-315) (-)

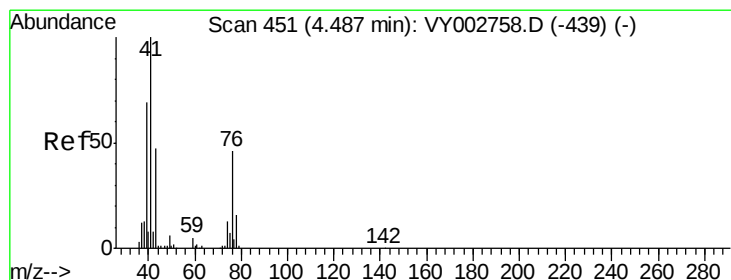
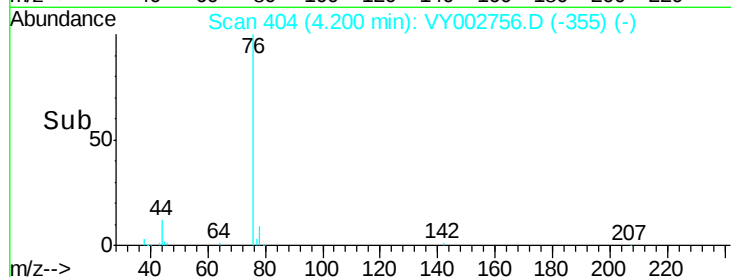
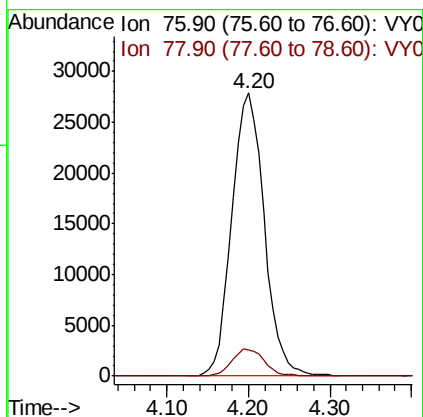
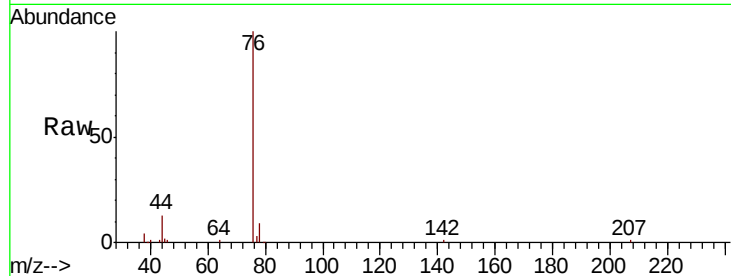




#17
Carbon Disulfide
Concen: 9.627 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

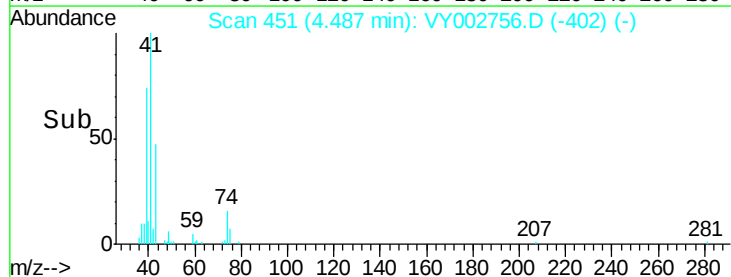
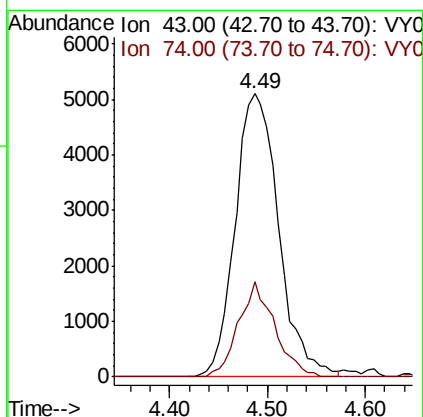
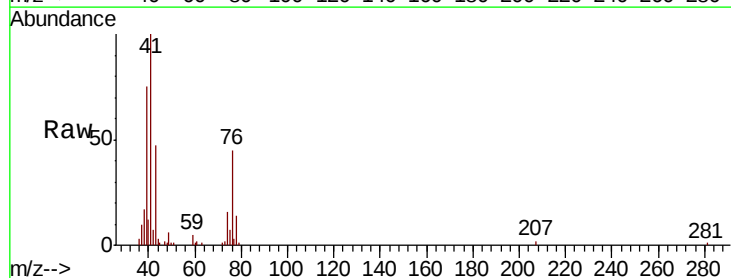
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

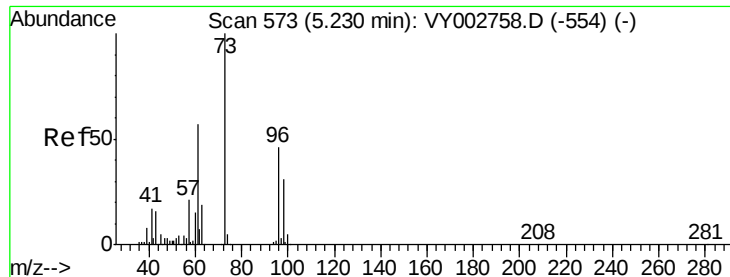
Tot Ion: 76 Resp: 76617
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 11.562 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 43 Resp: 15790
Ion Ratio Lower Upper
43 100
74 27.9 21.4 32.0

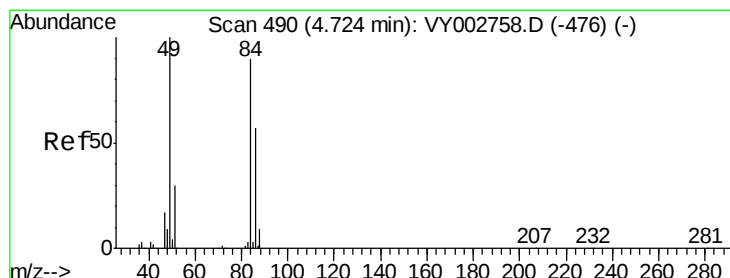
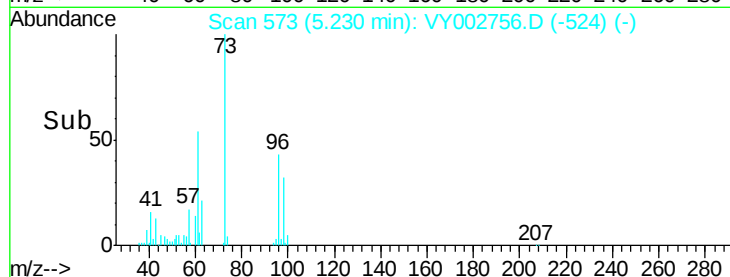
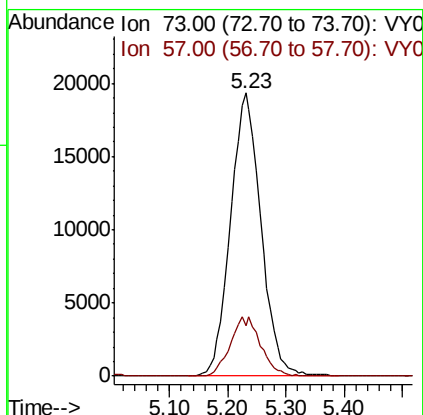
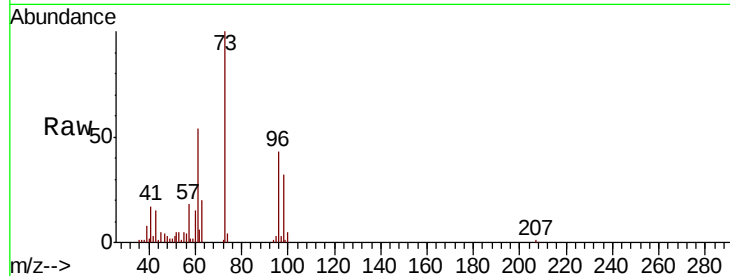




#19
Methvl tert-butvl Ether
Concen: 10.941 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

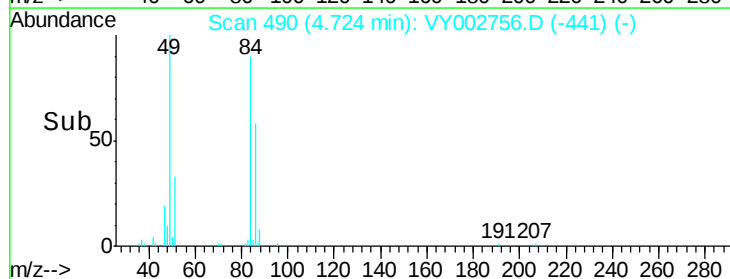
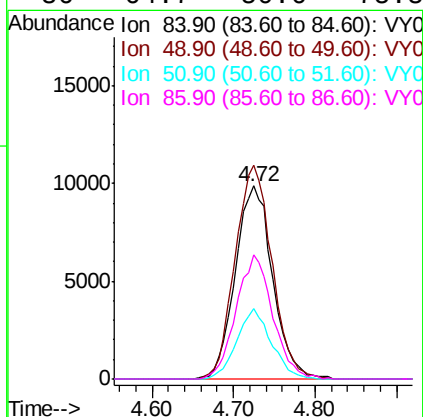
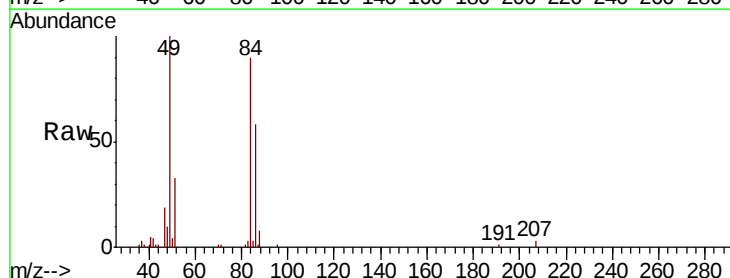
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

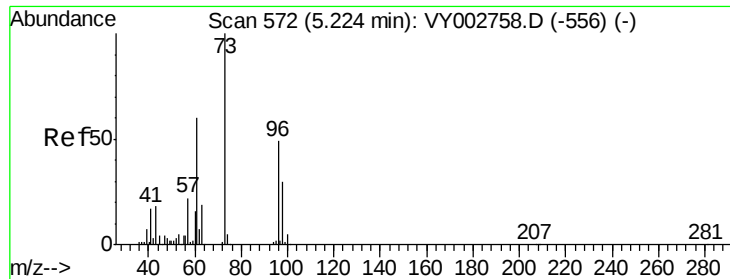
Tot Ion: 73 Resp: 70346
Ion Ratio Lower Upper
73 100
57 17.8 17.0 25.4



#20
Methylene Chloride
Concen: 10.977 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 84 Resp: 31357
Ion Ratio Lower Upper
84 100
49 110.8 88.5 132.7
51 36.9 26.8 40.2
86 64.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 10.089 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

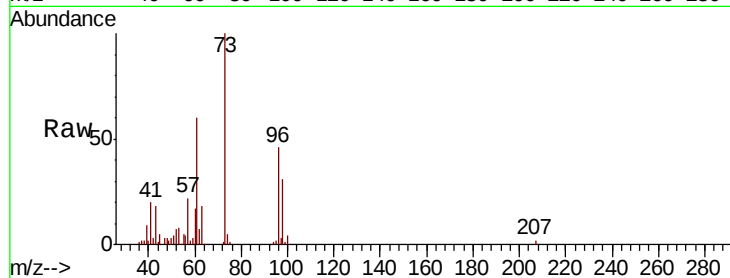
Tot Ion: 96 Resp: 28706

Ion Ratio Lower Upper

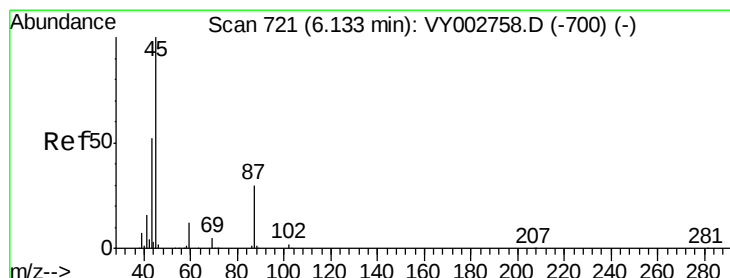
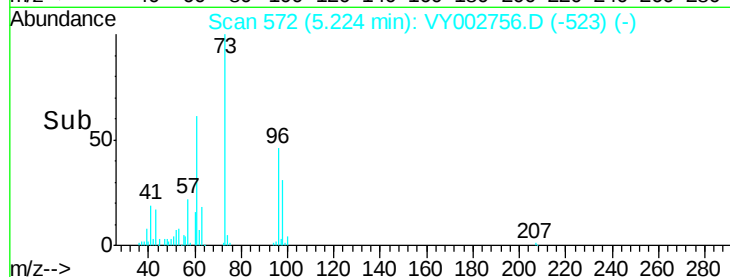
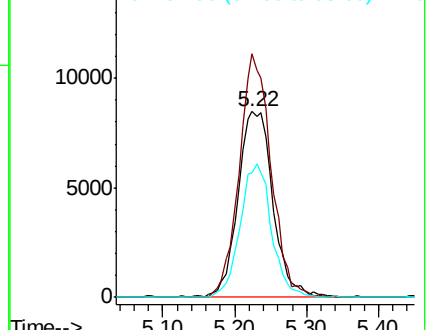
96 100

61 130.9 96.8 145.2

98 66.7 49.4 74.0



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: 10.433 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion: 45 Resp: 76458

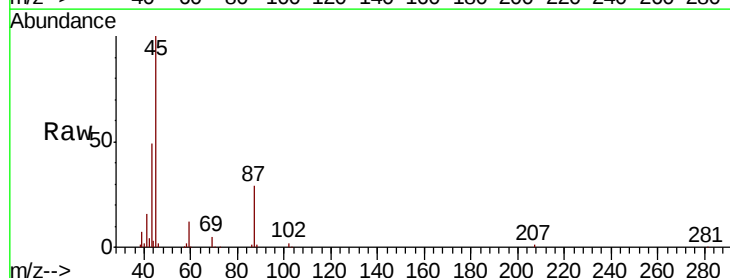
Ion Ratio Lower Upper

45 100

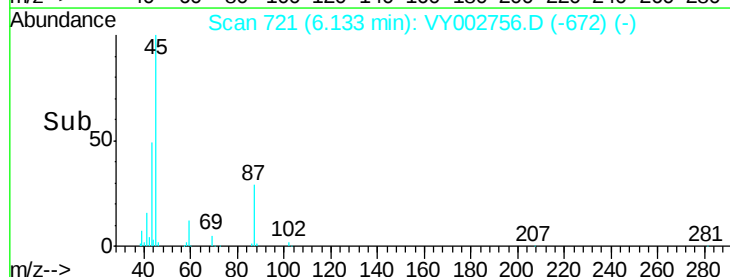
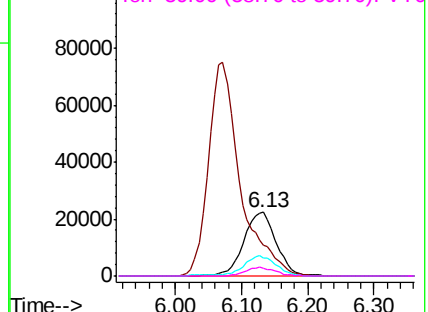
43 48.9 41.7 62.5

87 29.1 24.2 36.2

59 11.8 9.8 14.8



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: 53.085 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

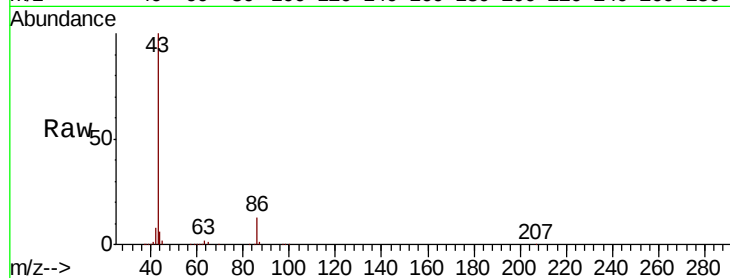
VSTDIC010

Tot Ion: 43 Resp: 251001

Ion Ratio Lower Upper

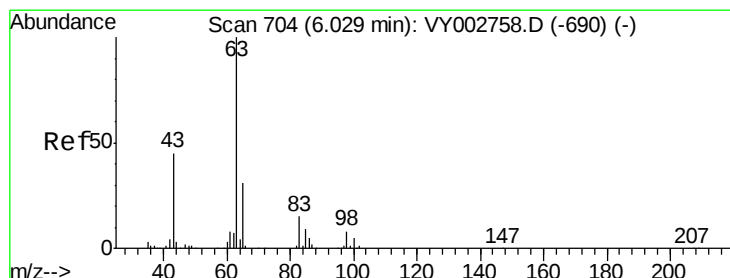
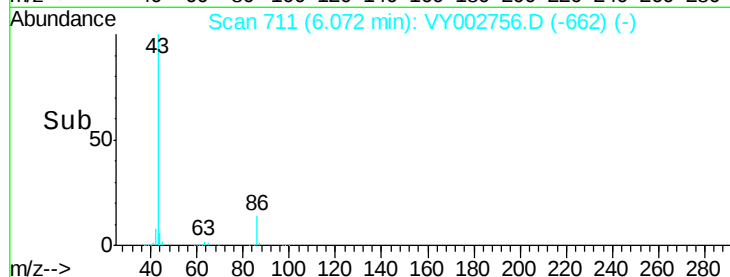
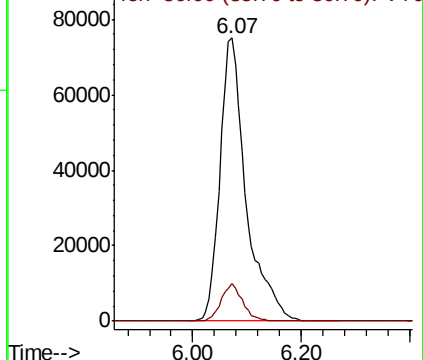
43 100

86 13.5 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 10.102 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

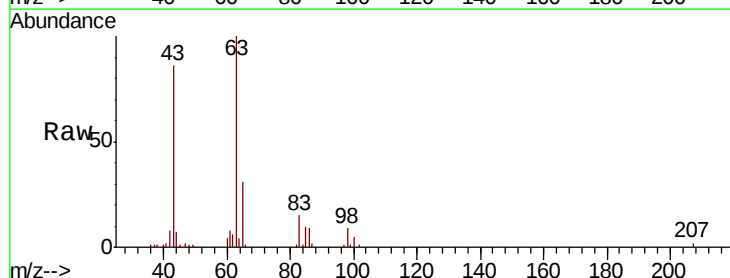
Tgt Ion: 63 Resp: 44152

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

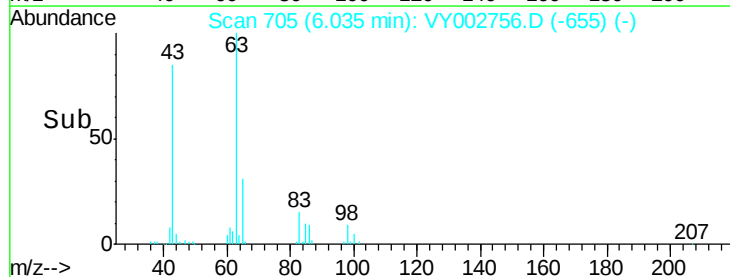
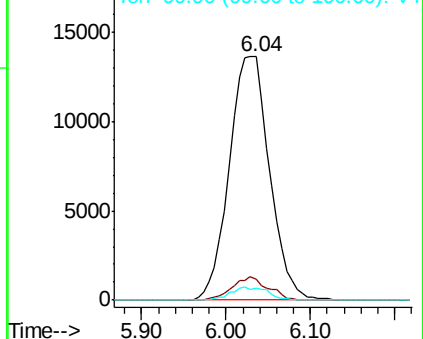
100 4.9 2.4 7.1

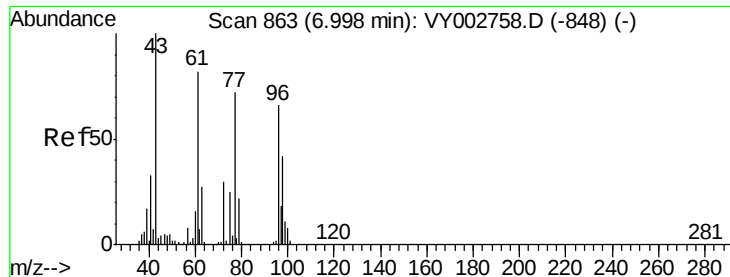


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 59.640 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

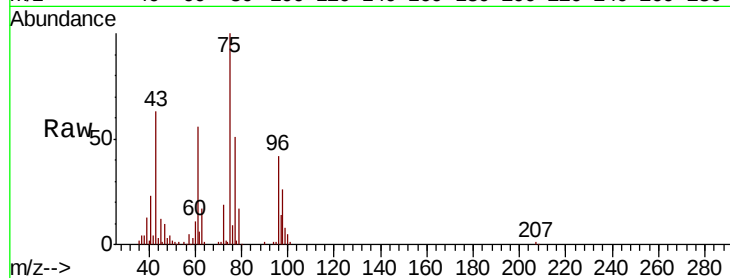
VSTDIC010

Tot Ion: 43 Resp: 47966

Ion Ratio Lower Upper

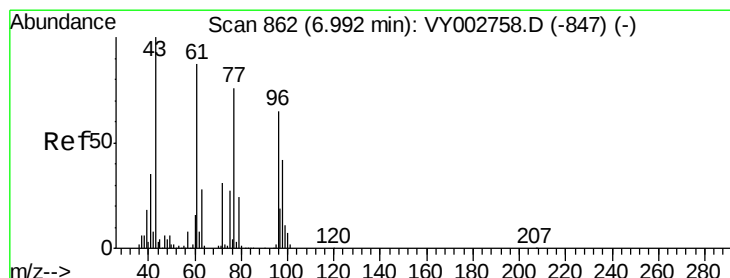
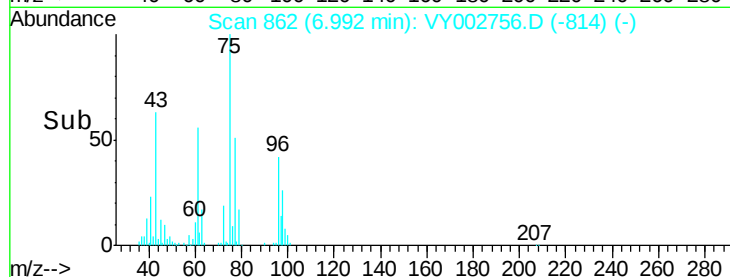
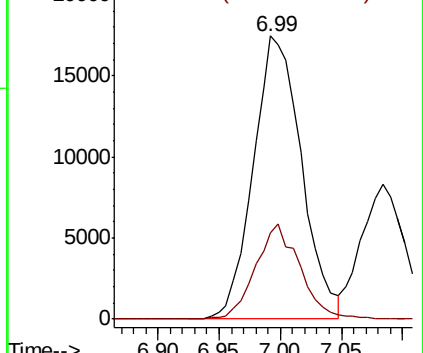
43 100

72 30.3 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 10.710 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002756.D

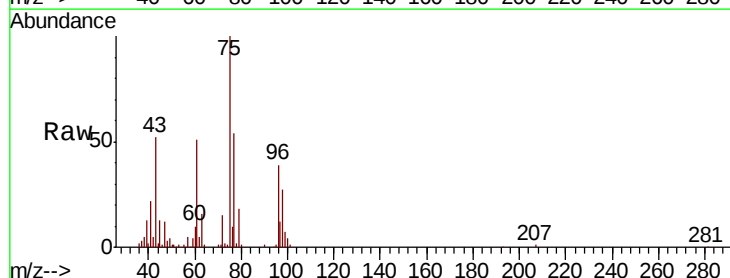
Acq: 27 May 2020 11:27

Tgt Ion: 77 Resp: 43787

Ion Ratio Lower Upper

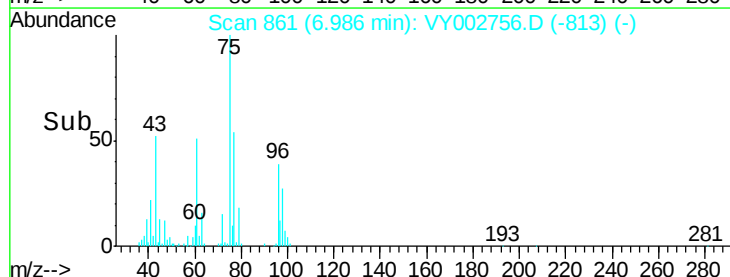
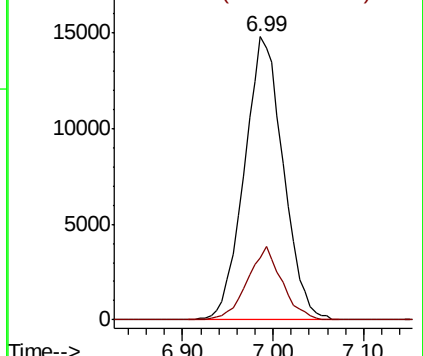
77 100

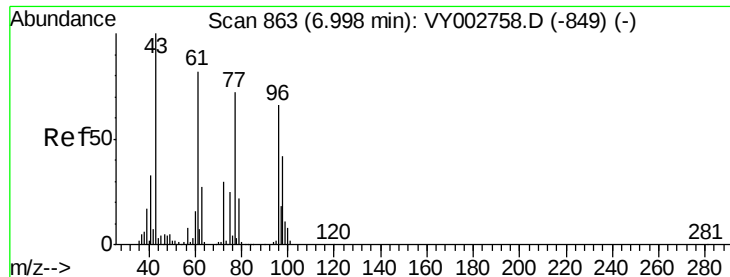
97 23.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



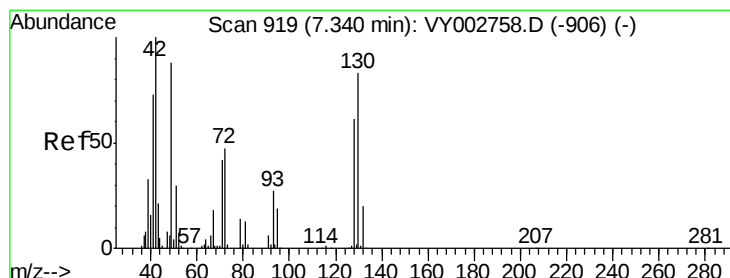
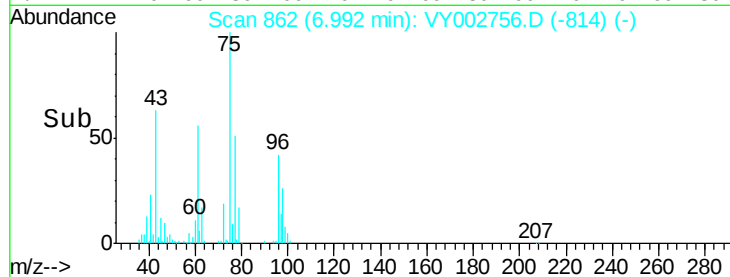
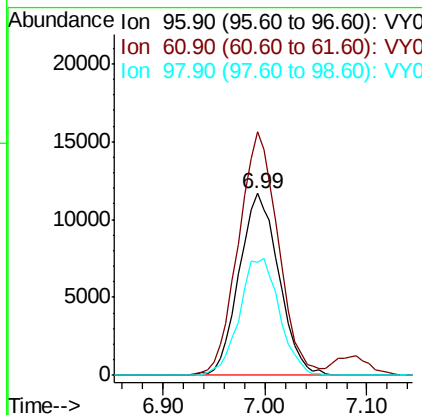
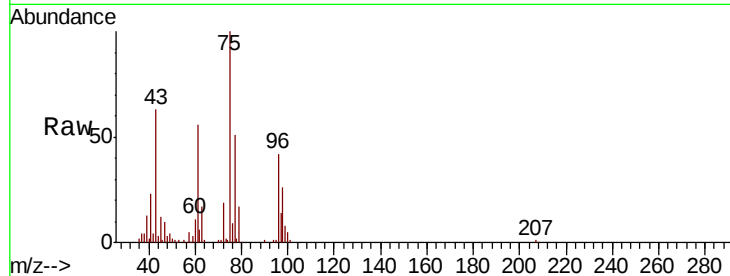


#27

cis-1,2-Dichloroethene
 Concen: 10.227 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

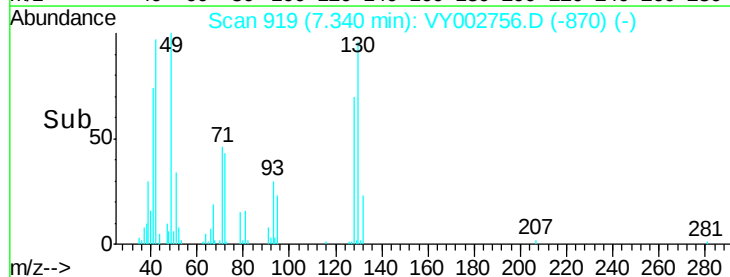
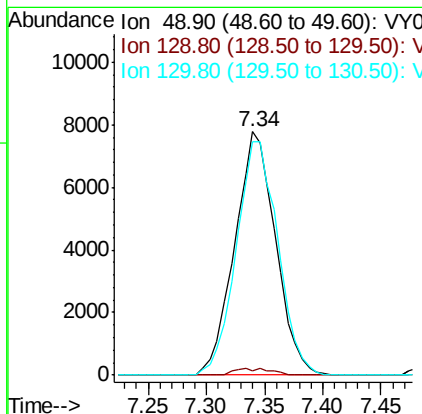
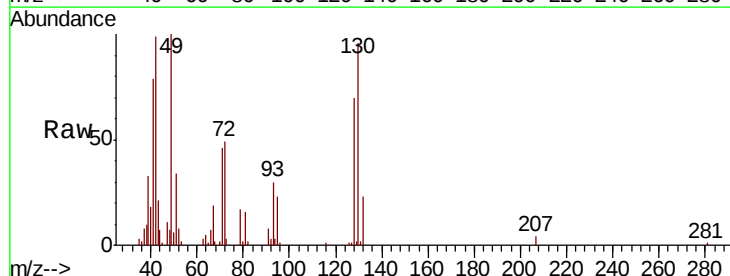
Tot Ion: 96 Resp: 31567
 Ion Ratio Lower Upper
 96 100
 61 134.8 0.0 260.2
 98 64.8 0.0 128.2

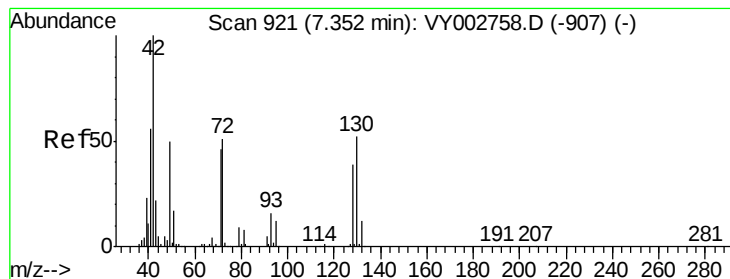


#28

Bromochloromethane
 Concen: 10.883 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion: 49 Resp: 19021
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.2
 130 97.9 77.1 115.7





#29

Tetrahydrofuran

Concen: 56.730 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

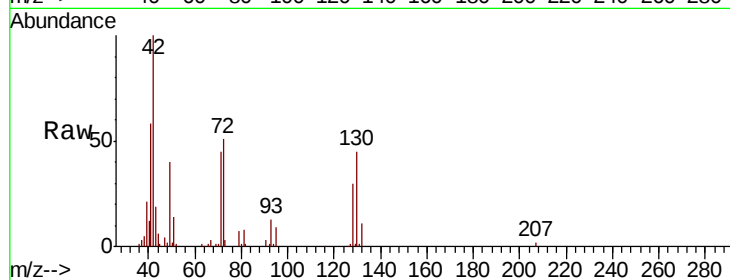
Tot Ion: 42 Resp: 30721

Ion Ratio Lower Upper

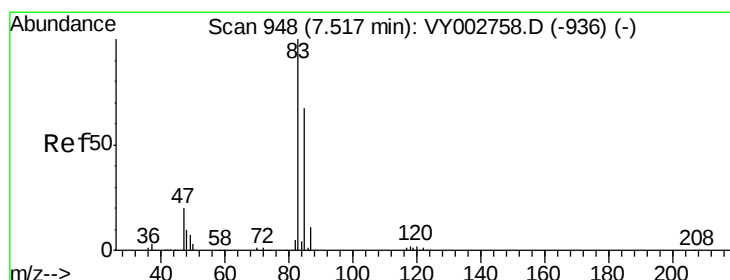
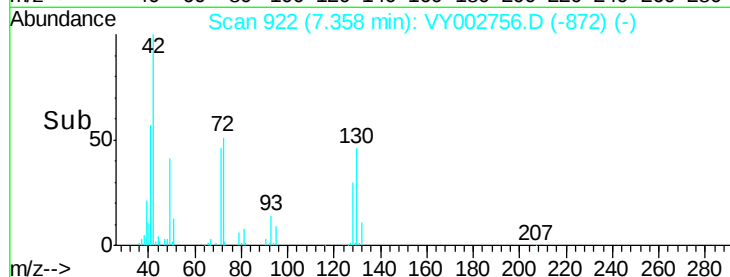
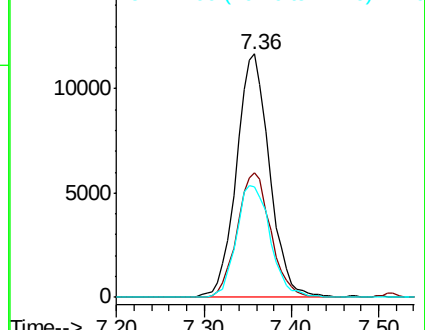
42 100

72 51.6 38.6 58.0

71 47.2 35.8 53.8



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: 10.401 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY002756.D

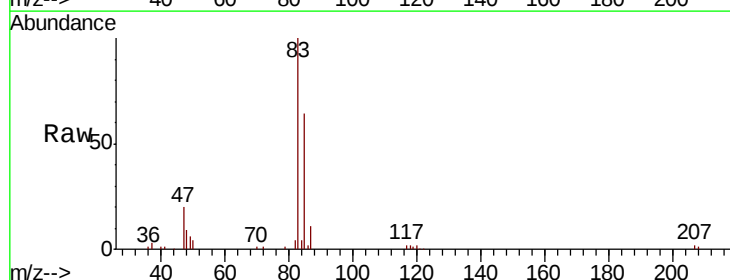
Acq: 27 May 2020 11:27

Tgt Ion: 83 Resp: 47300

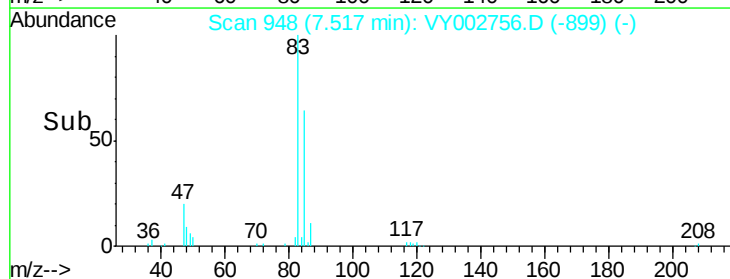
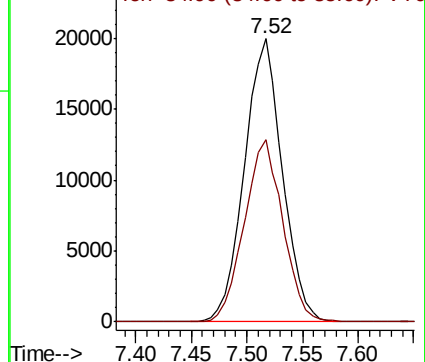
Ion Ratio Lower Upper

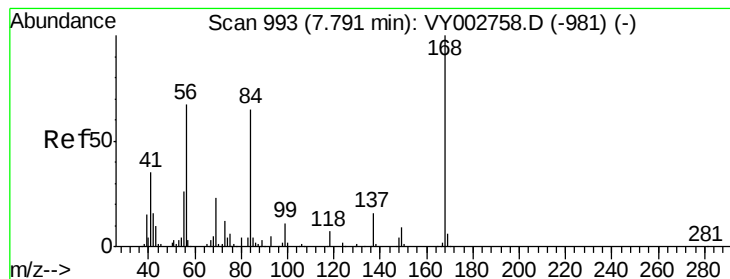
83 100

85 64.3 53.8 80.8



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





#31

Cyclohexane

Concen: 10.260 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

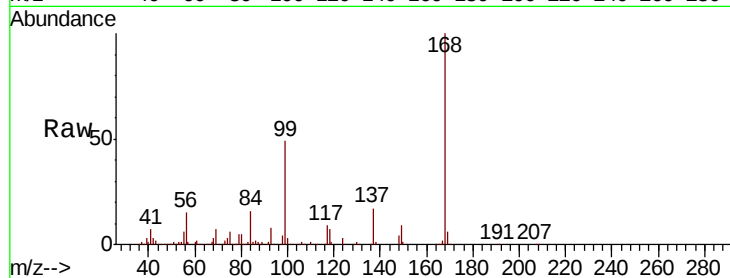
Tot Ion: 56 Resp: 45273

Ion Ratio Lower Upper

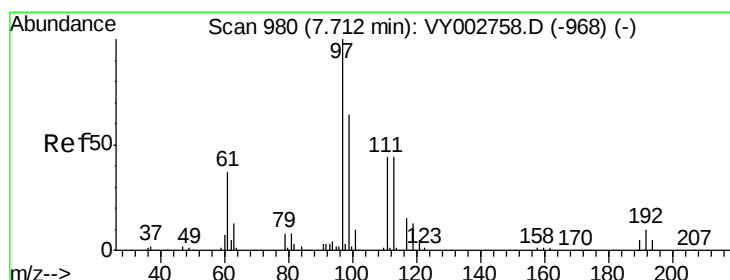
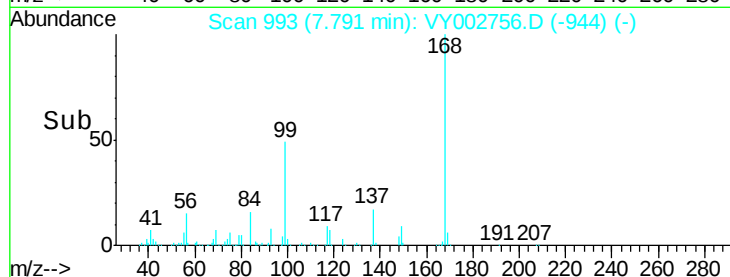
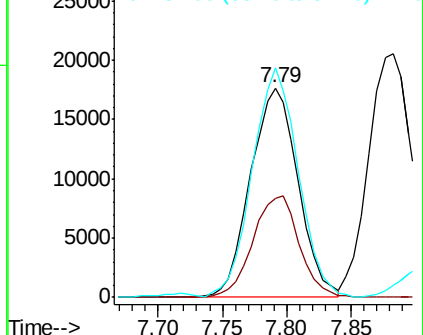
56 100

69 47.1 28.0 42.0#

84 108.1 77.7 116.5



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



#32

1,1,1-Trichloroethane

Concen: 10.230 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

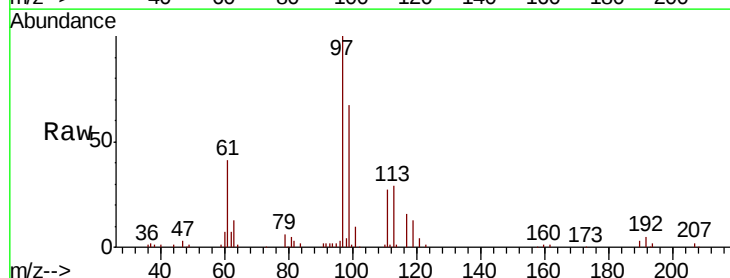
Tgt Ion: 97 Resp: 43057

Ion Ratio Lower Upper

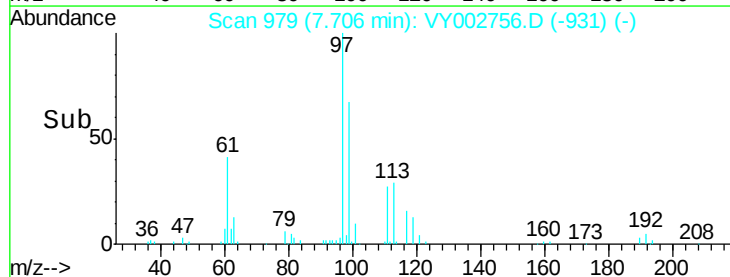
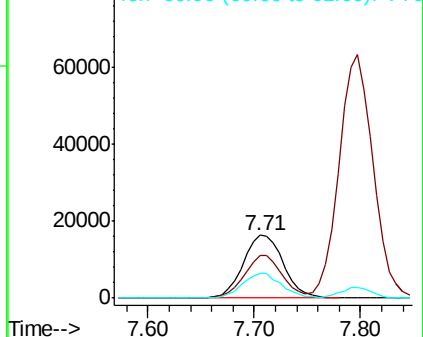
97 100

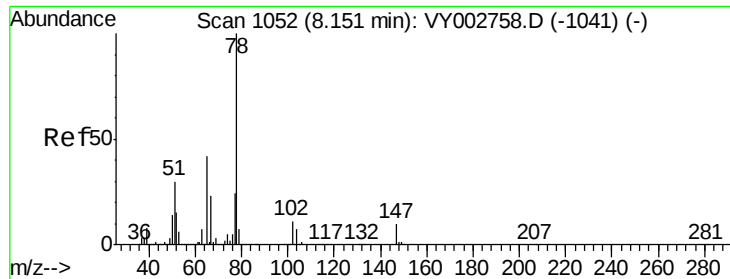
99 64.8 51.4 77.0

61 38.5 30.1 45.1



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

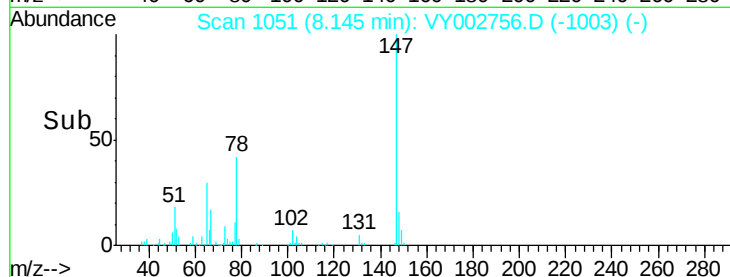
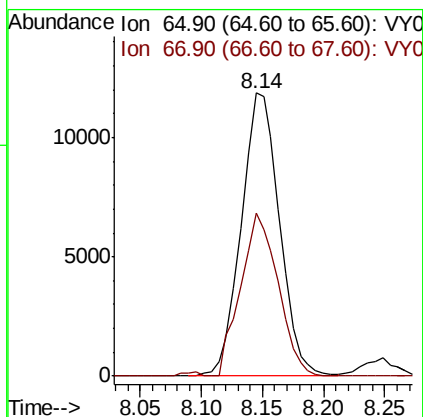
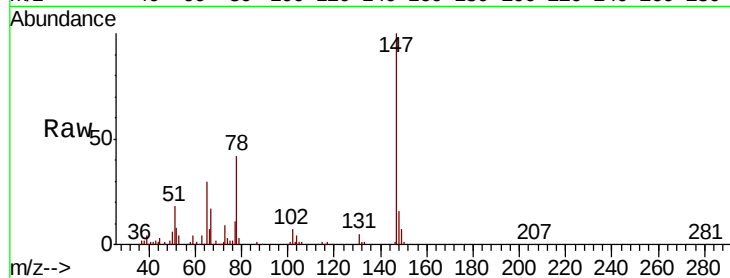




#33
 1,2-Dichloroethane-d4
 Concen: 11.096 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

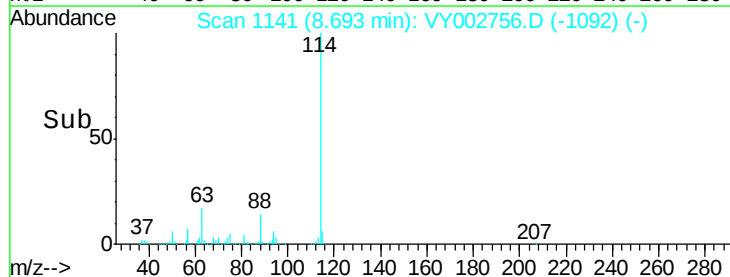
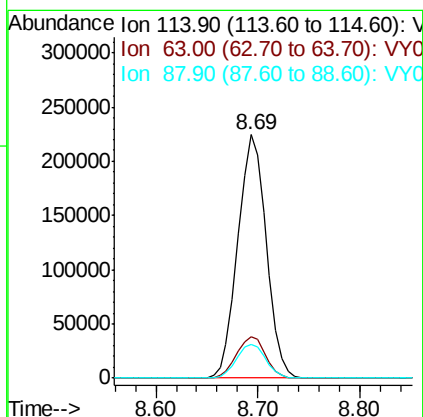
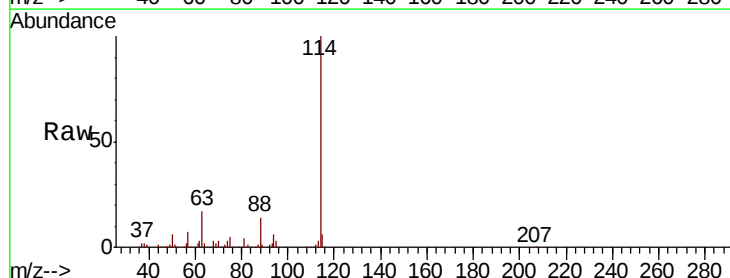
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

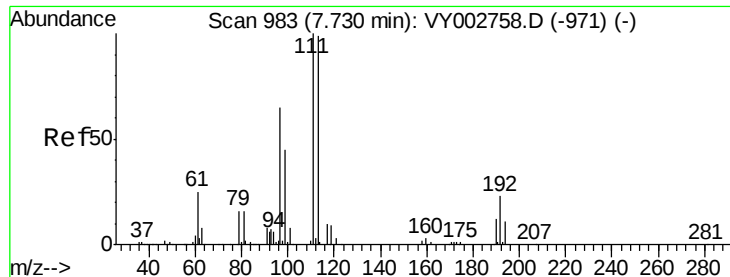
Tot Ion: 65 Resp: 25800
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion: 114 Resp: 434329
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.2
 88 13.9 0.0 29.2





#35

Dibromofluoromethane

Concen: 10.344 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

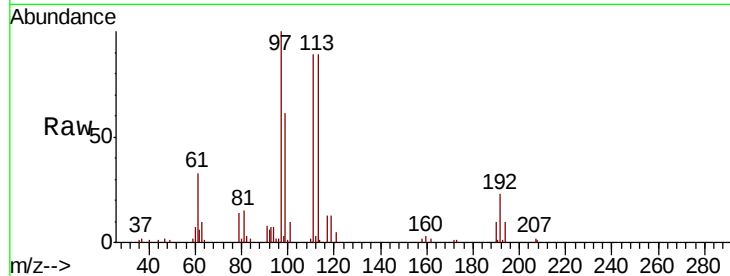
Tot Ion:113 Resp: 24990

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

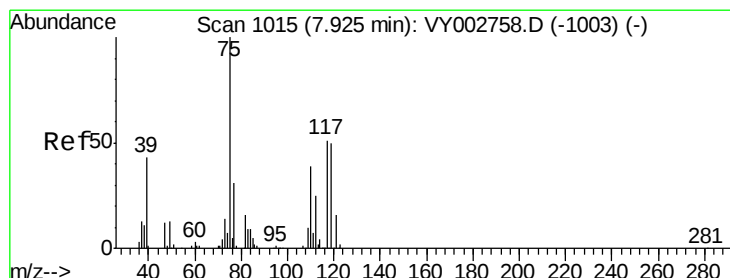
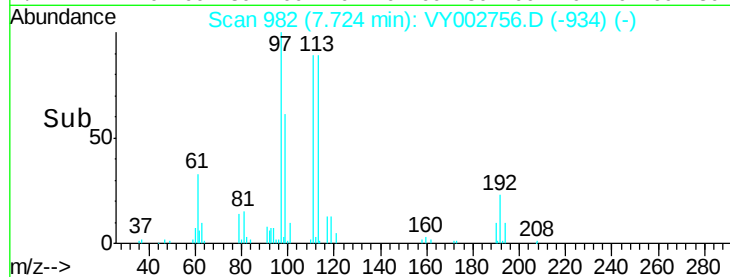
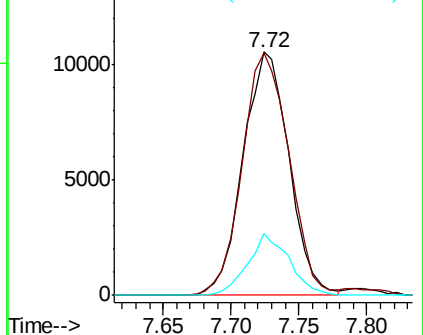
192 22.8 18.9 28.3



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: 10.124 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

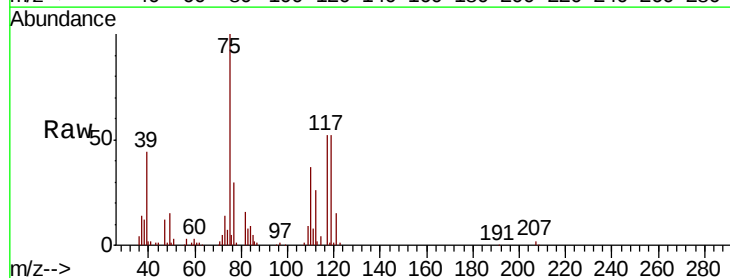
Tgt Ion: 75 Resp: 37051

Ion Ratio Lower Upper

75 100

110 38.0 19.3 57.9

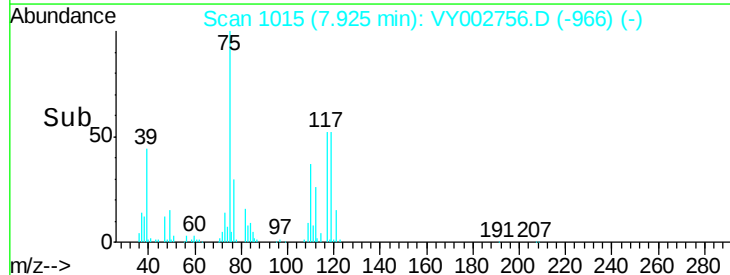
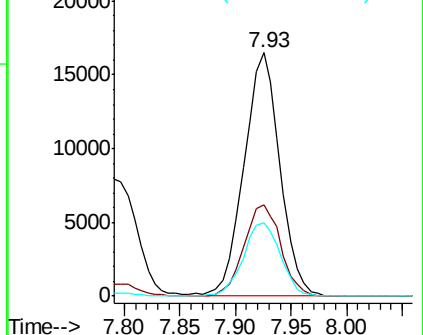
77 31.2 24.8 37.2

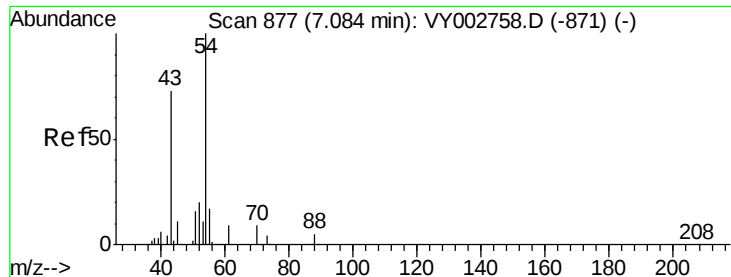


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

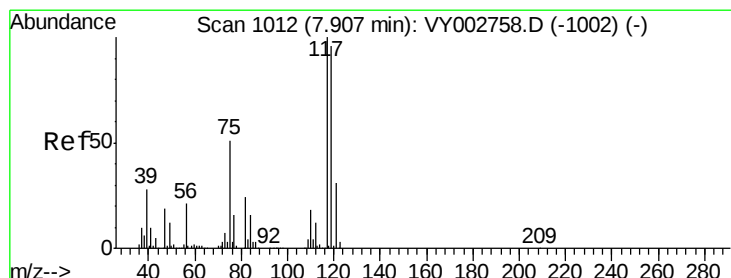
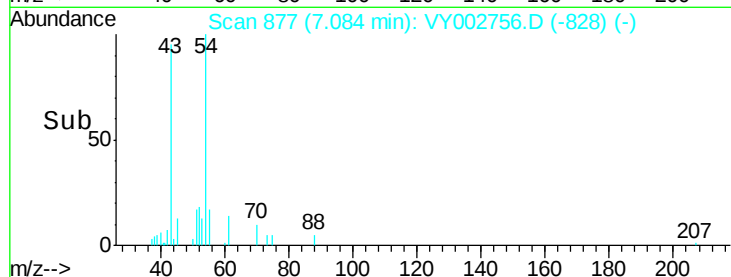
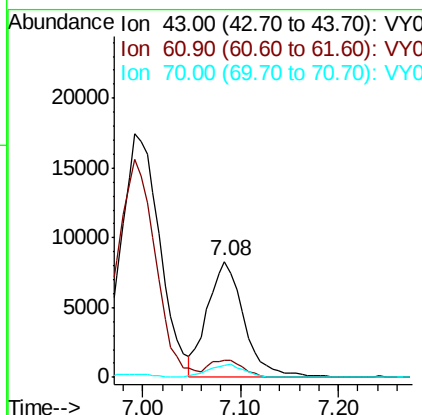
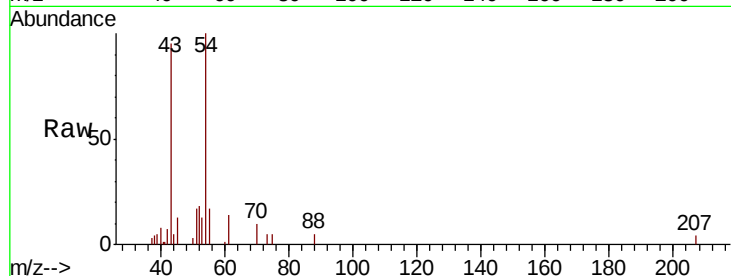




#37
Ethyl Acetate
Concen: 11.874 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

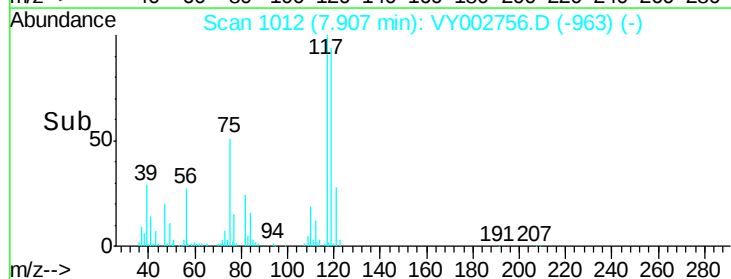
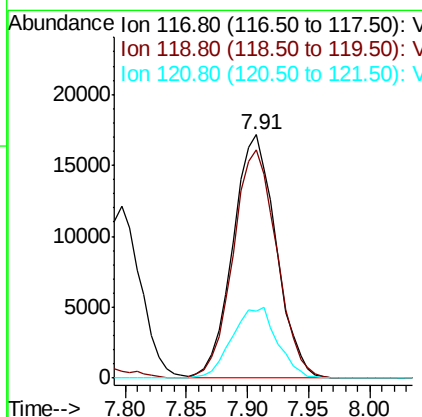
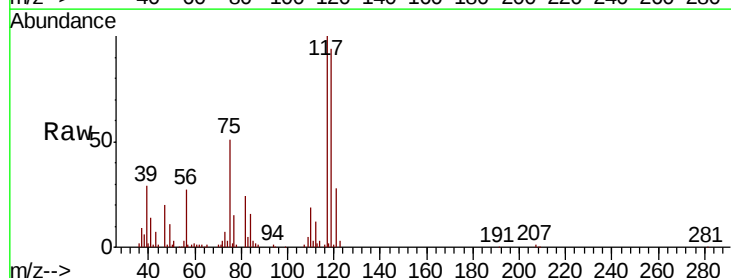
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

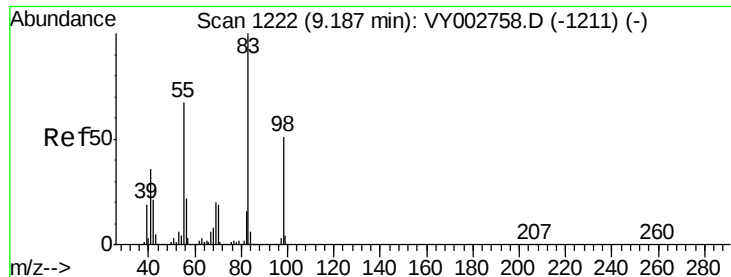
Tot Ion: 43 Resp: 21599
Ion Ratio Lower Upper
43 100
61 13.7 11.9 17.9
70 10.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 10.688 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 117 Resp: 42106
Ion Ratio Lower Upper
117 100
119 93.7 76.8 115.2
121 27.7 24.8 37.2

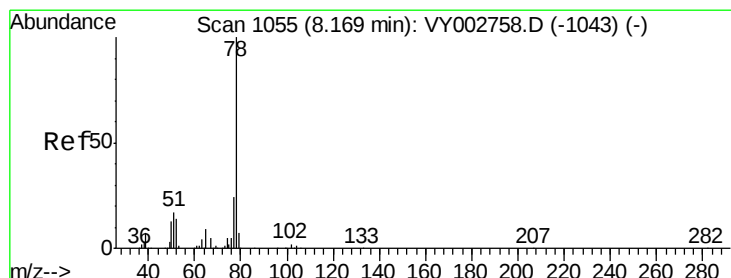
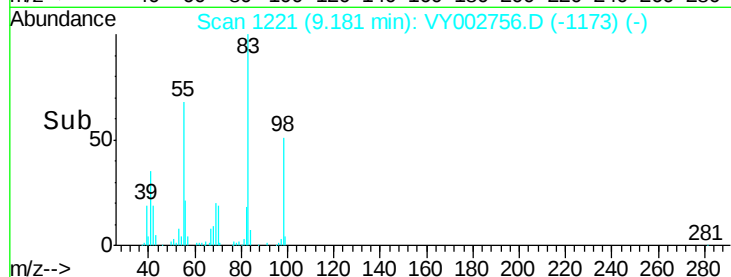
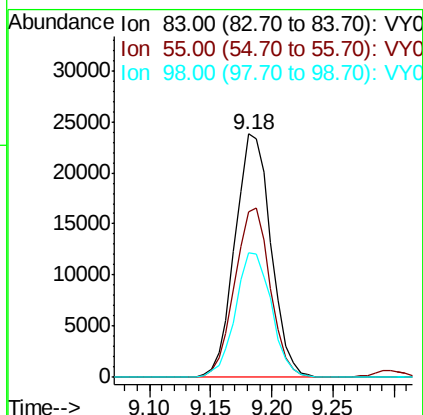
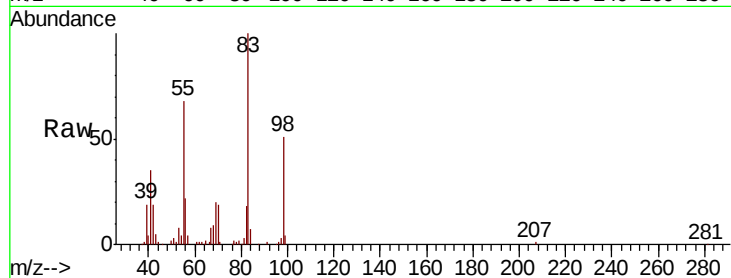




#39
Methvlcvclohexane
Concen: 9.921 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

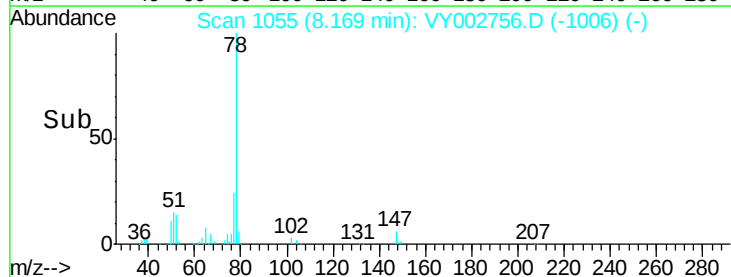
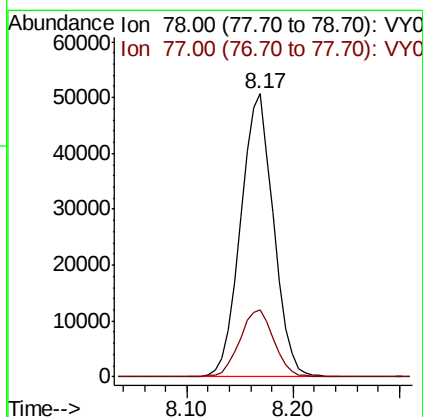
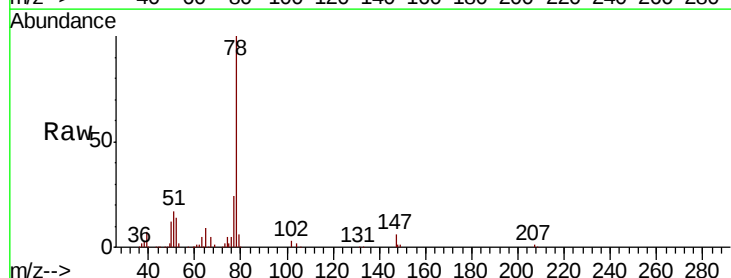
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

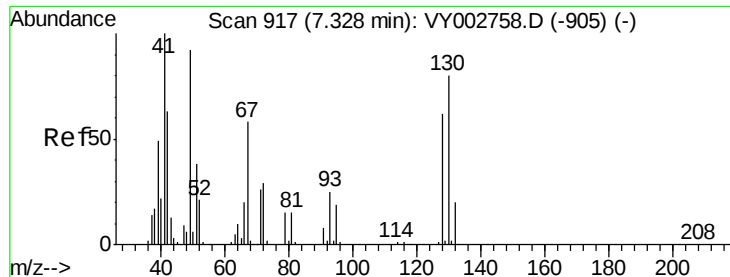
Tot Ion: 83 Resp: 48541
Ion Ratio Lower Upper
83 100
55 68.2 53.3 79.9
98 51.0 41.1 61.7



#40
Benzene
Concen: 10.279 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 78 Resp: 109762
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 26.445 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.03 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 28076

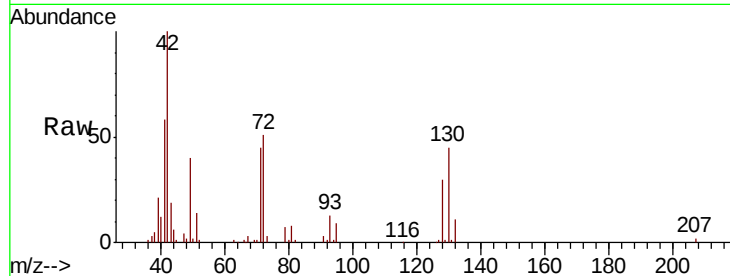
Ion Ratio Lower Upper

41 100

39 0.0 97.6 146.4#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

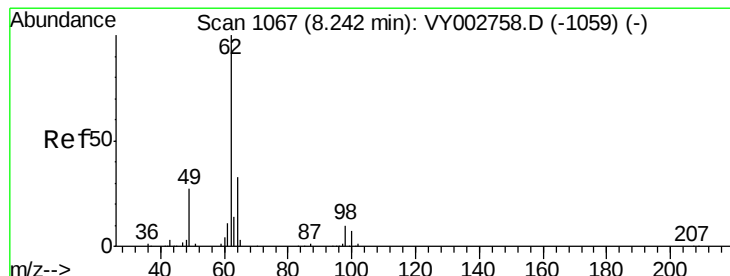
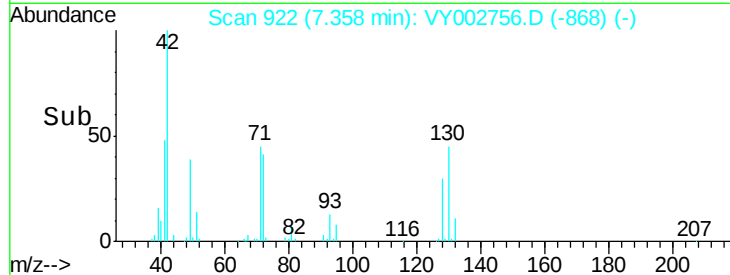
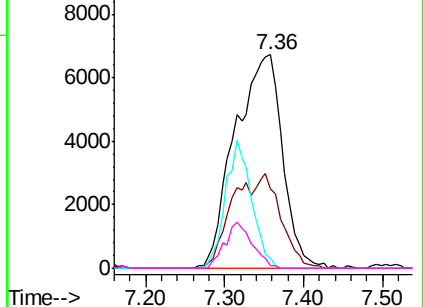


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 11.064 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002756.D

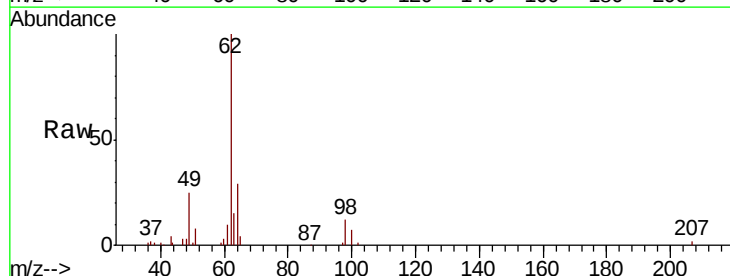
Acq: 27 May 2020 11:27

Tgt Ion: 62 Resp: 31386

Ion Ratio Lower Upper

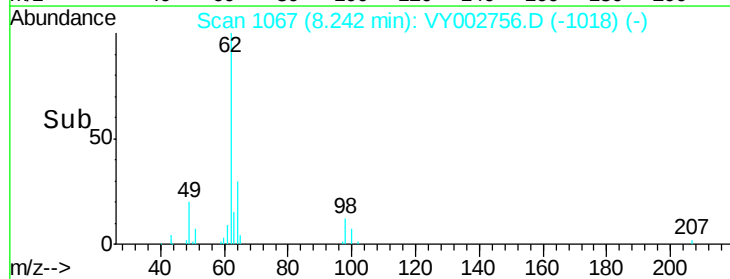
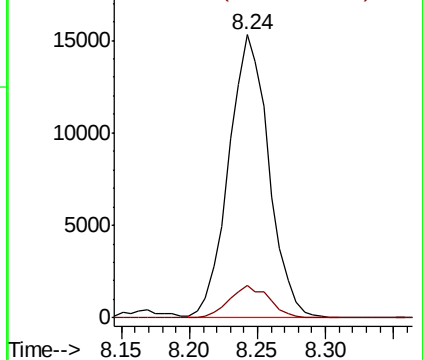
62 100

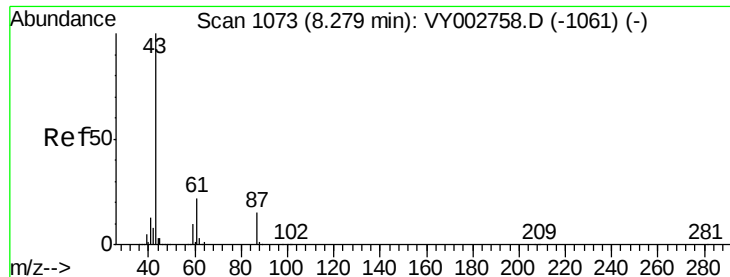
98 11.4 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 11.292 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

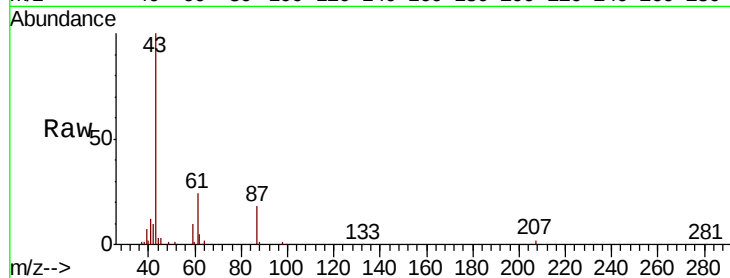
Tot Ion: 43 Resp: 38358

Ion Ratio Lower Upper

43 100

61 31.5 24.8 37.2

87 15.9 12.4 18.6

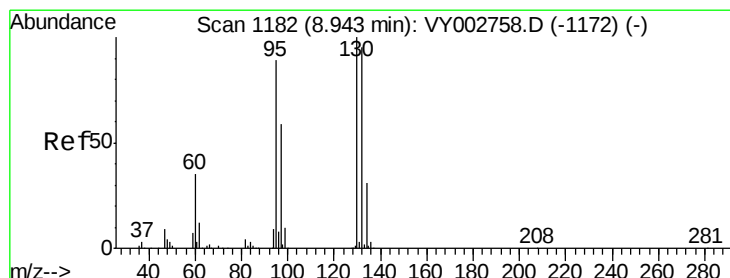
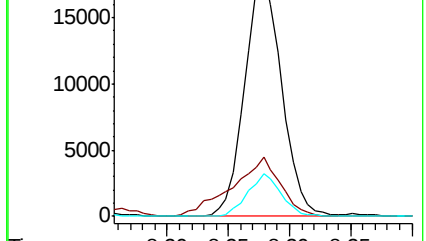
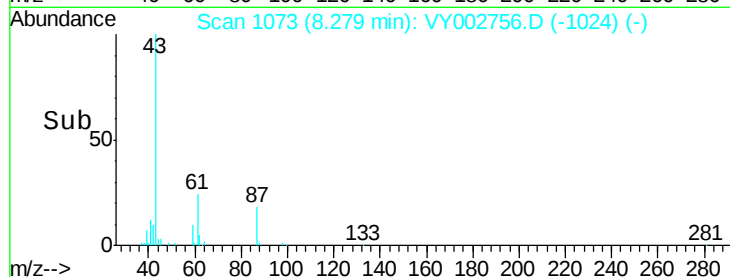


Abundance Ion 43.00 (42.70 to 43.70): VY002756.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY002756.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY002756.D (-1024) (-)

Time-->



#44

Trichloroethene

Concen: 10.346 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY002756.D

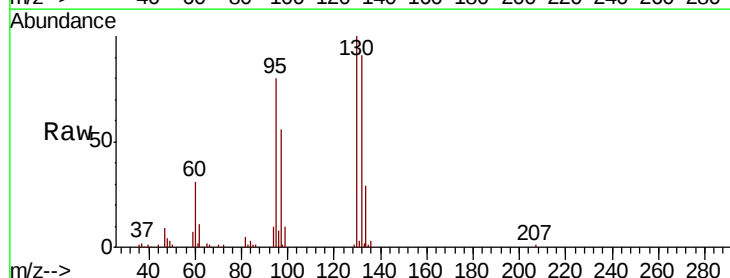
Acq: 27 May 2020 11:27

Tgt Ion: 130 Resp: 35160

Ion Ratio Lower Upper

130 100

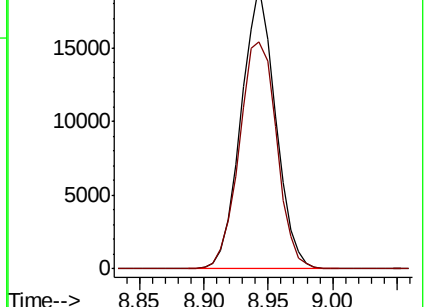
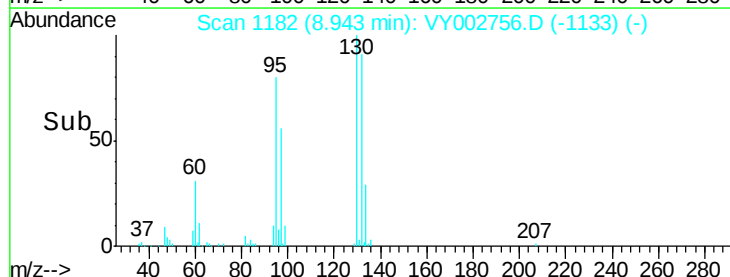
95 80.4 0.0 178.8

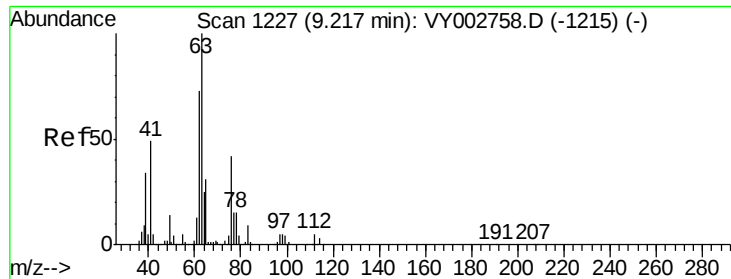


Abundance Ion 129.80 (129.50 to 130.50): VY002756.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY002756.D (-1133) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 10.274 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

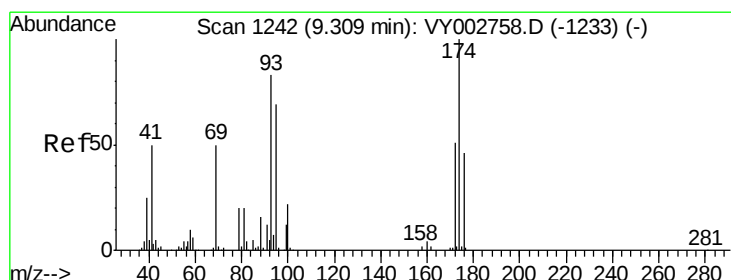
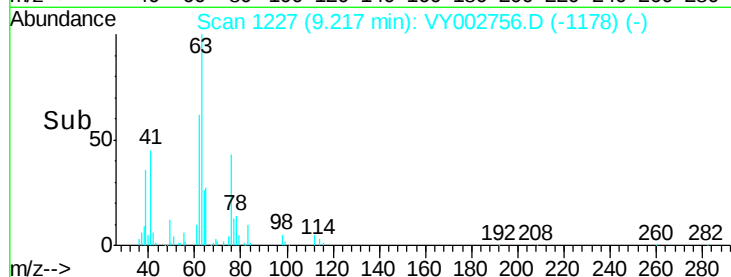
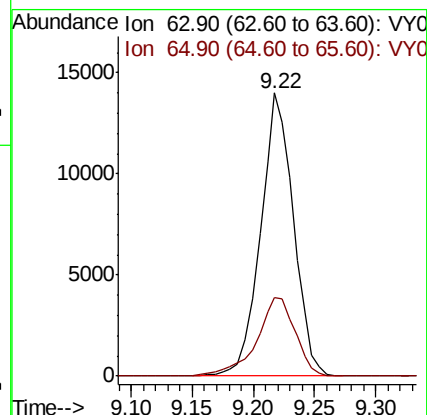
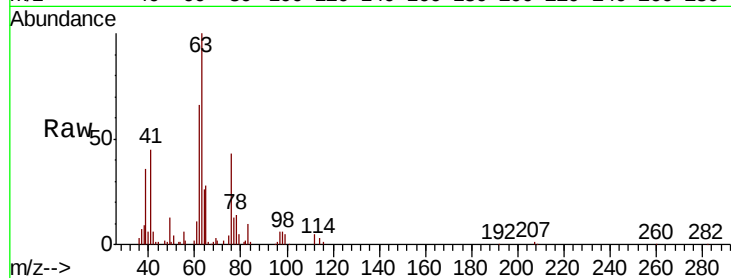
VSTDIC010

Tot Ion: 63 Resp: 26161

Ion Ratio Lower Upper

63 100

65 27.8 24.8 37.2



#46

Dibromomethane

Concen: 11.375 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

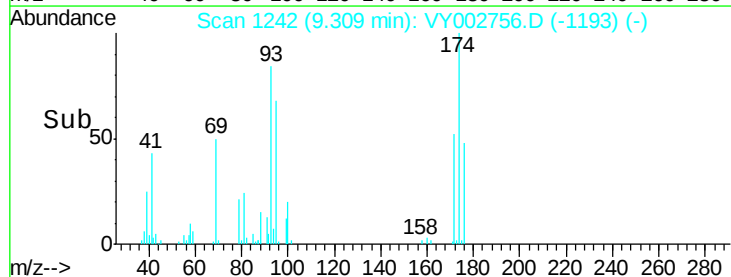
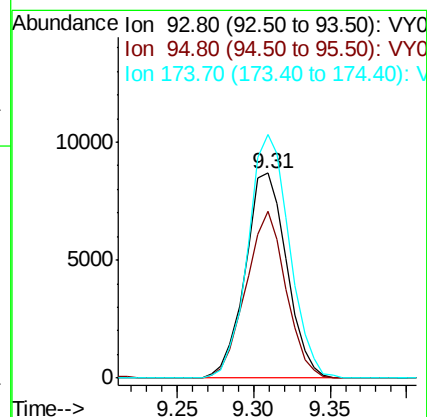
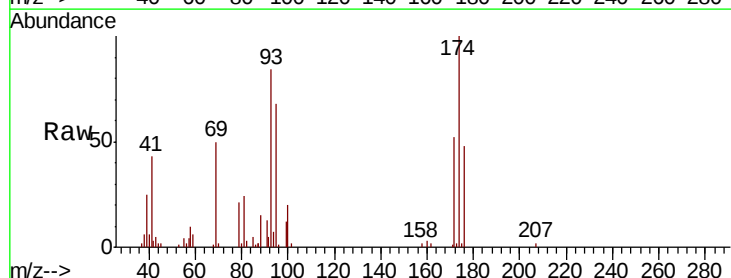
Tgt Ion: 93 Resp: 16339

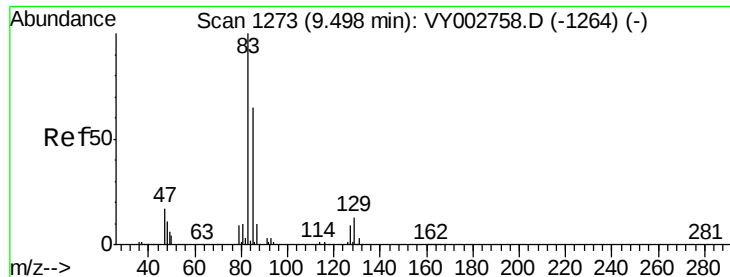
Ion Ratio Lower Upper

93 100

95 78.5 66.9 100.3

174 119.2 97.7 146.5





#47

Bromodichloromethane

Concen: 10.471 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

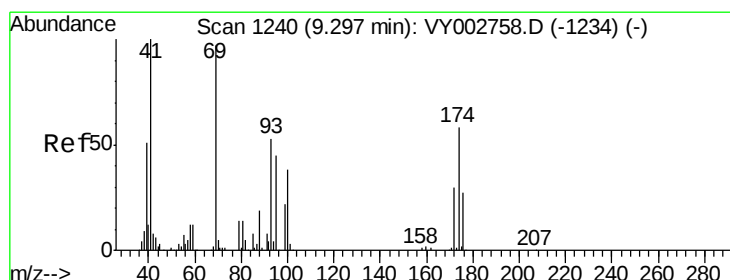
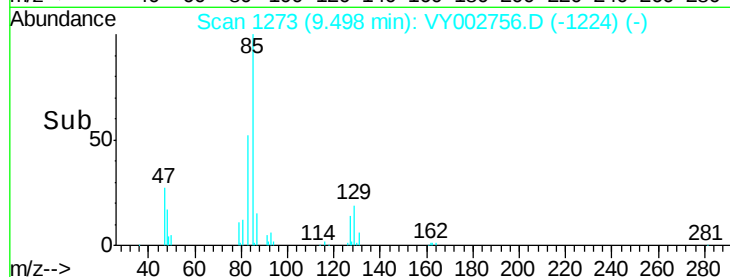
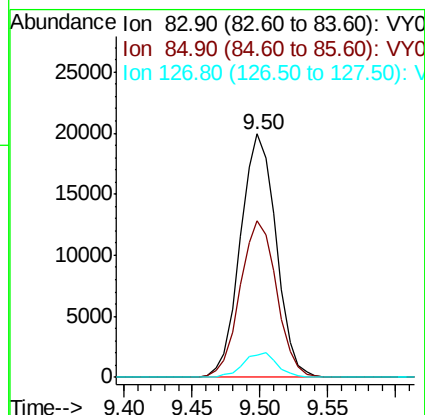
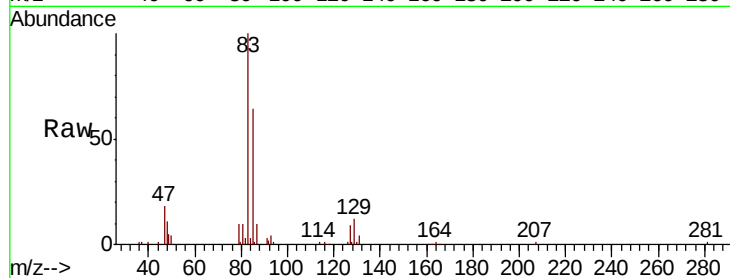
Tot Ion: 83 Resp: 36570

Ion Ratio Lower Upper

83 100

85 64.3 51.9 77.9

127 9.0 7.1 10.7



#48

Methyl methacrylate

Concen: 10.801 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

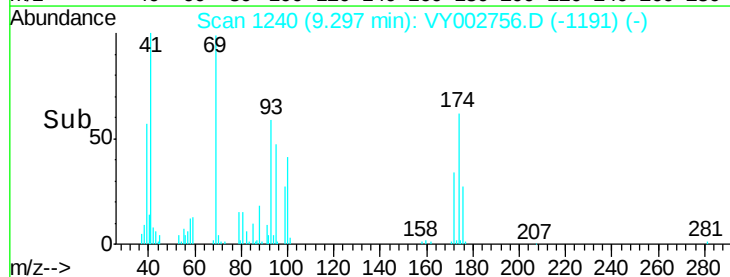
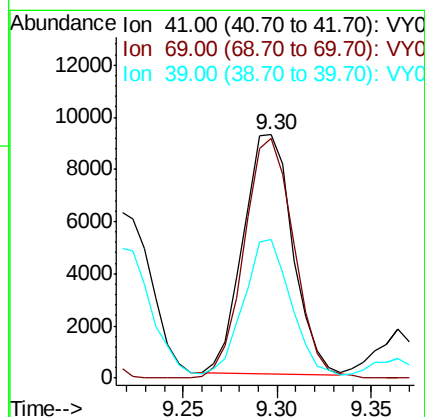
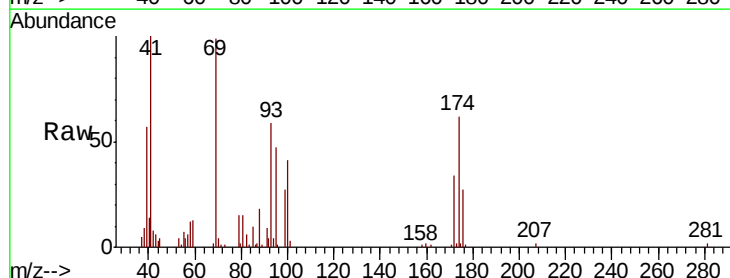
Tgt Ion: 41 Resp: 16828

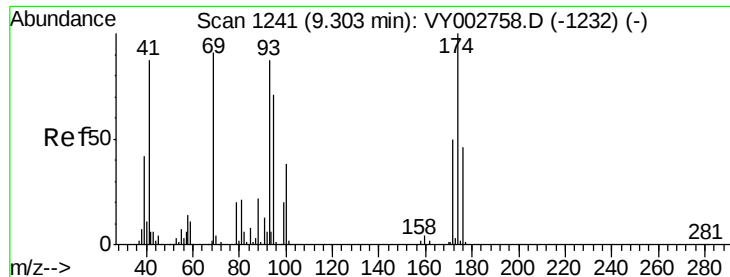
Ion Ratio Lower Upper

41 100

69 100.1 79.7 119.5

39 56.5 43.3 64.9

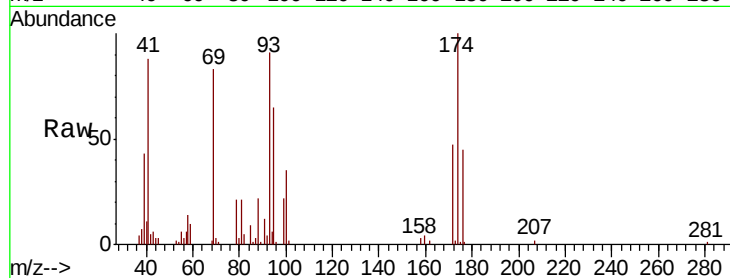




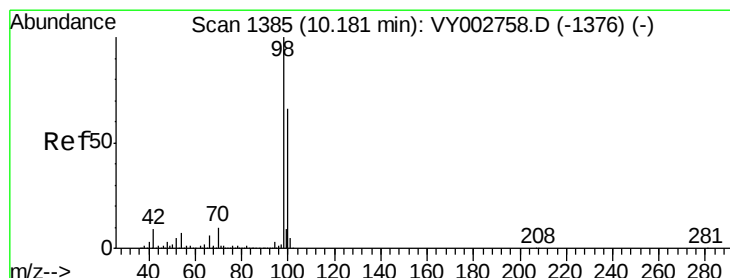
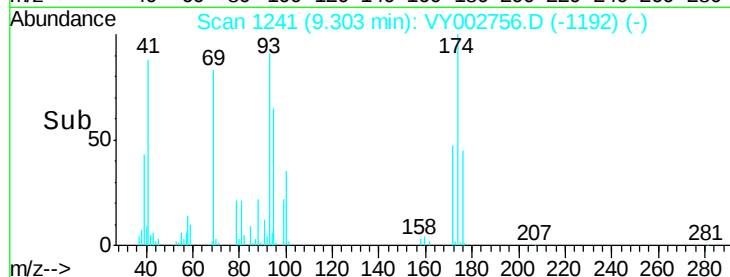
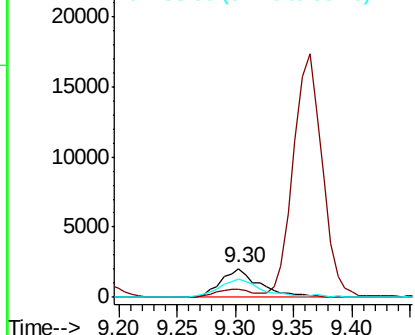
#49
1,4-Dioxane
Concen: 236.419 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 4739
Ion Ratio Lower Upper
88 100
43 26.4 21.3 31.9
58 67.5 52.2 78.2

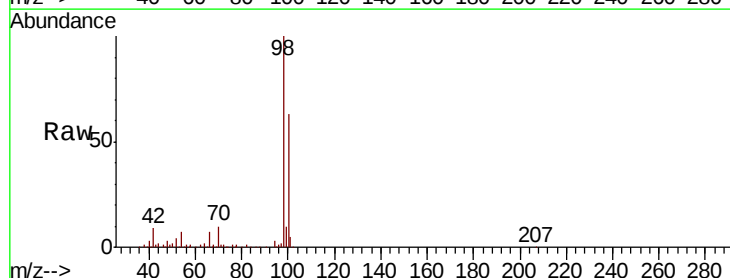


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

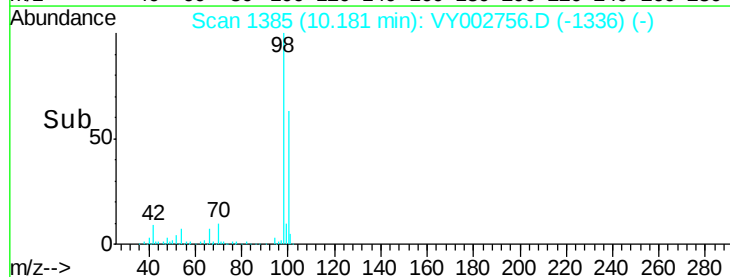
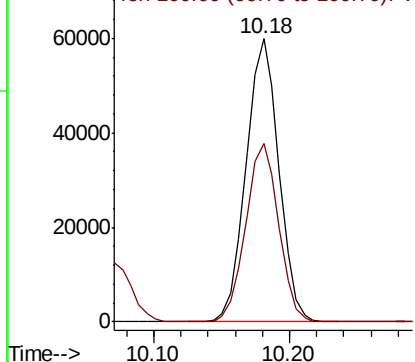


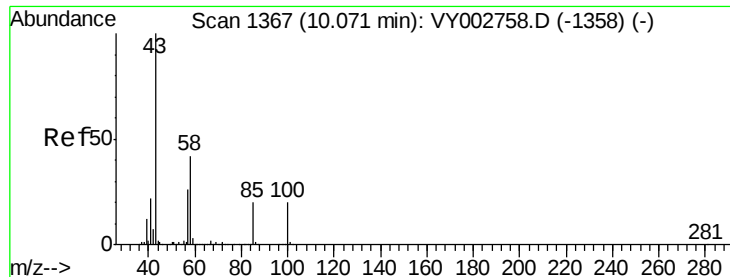
#50
Toluene-d8
Concen: 10.397 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 98 Resp: 100969
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 58.840 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

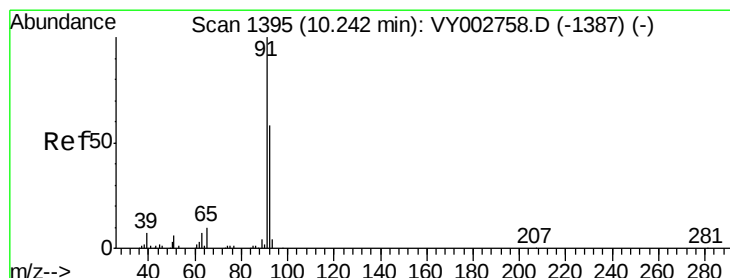
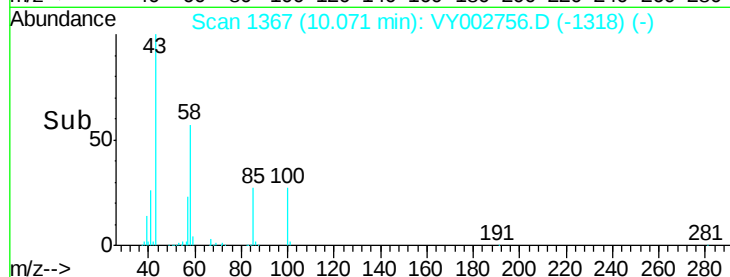
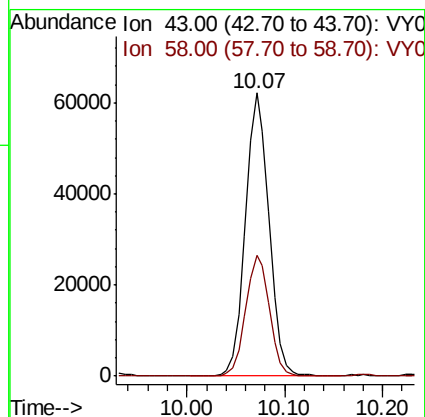
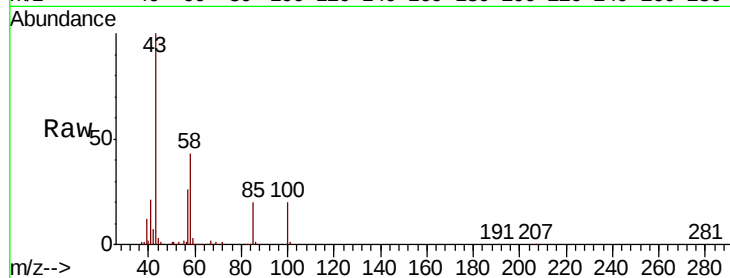
VSTDIC010

Tot Ion: 43 Resp: 103566

Ion Ratio Lower Upper

43 100

58 43.1 34.2 51.2



#52

Toluene

Concen: 10.374 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002756.D

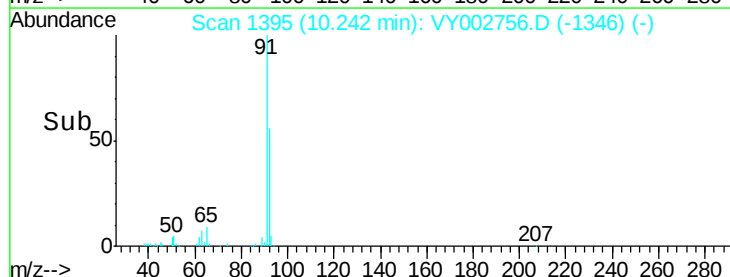
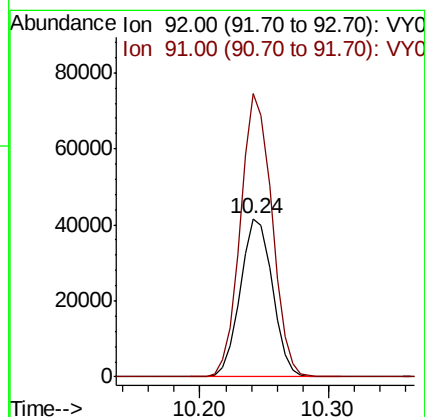
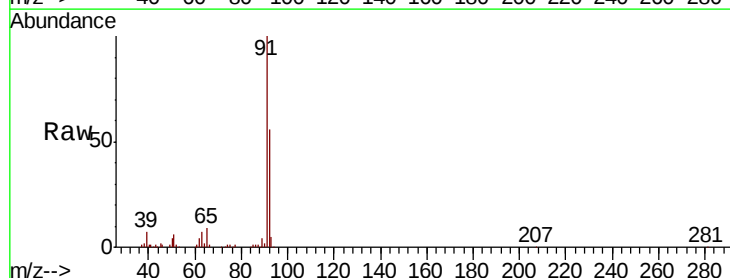
Acq: 27 May 2020 11:27

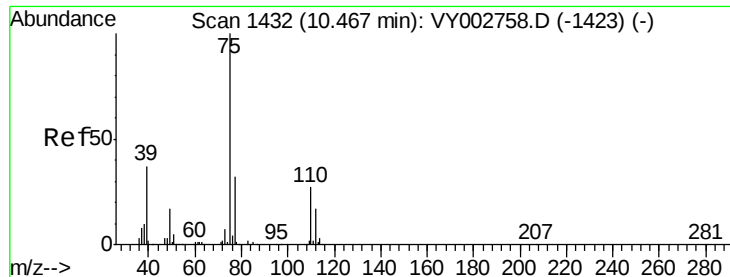
Tgt Ion: 92 Resp: 71910

Ion Ratio Lower Upper

92 100

91 174.7 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 10.549 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampled :

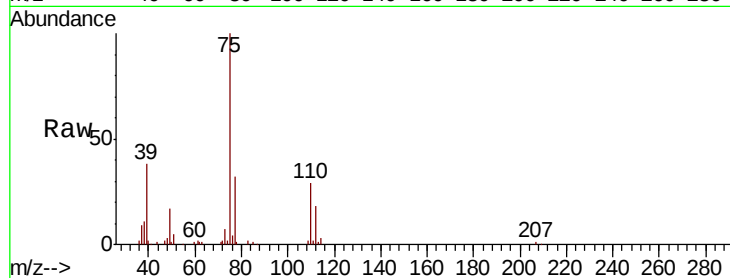
VSTDIC010

Tot Ion: 75 Resp: 39505

Ion Ratio Lower Upper

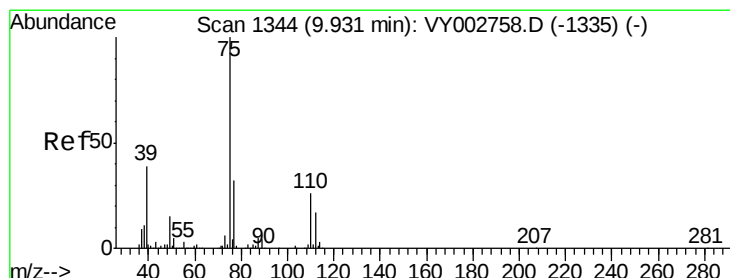
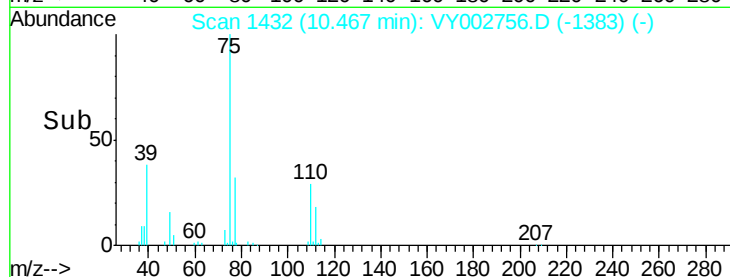
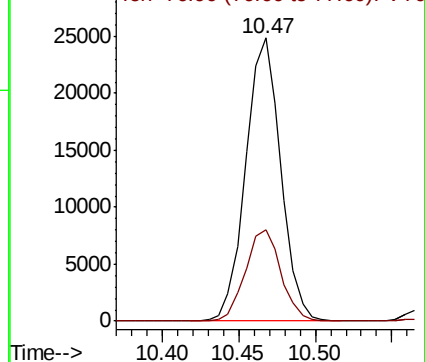
75 100

77 32.2 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 10.421 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

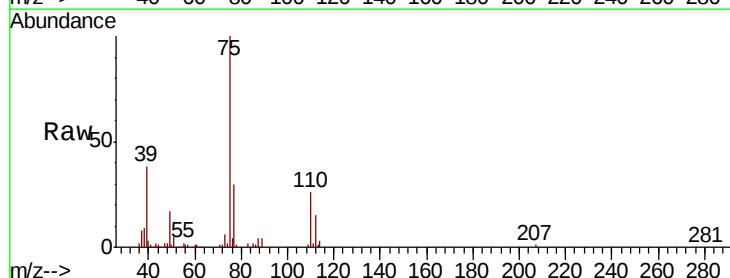
Tgt Ion: 75 Resp: 45030

Ion Ratio Lower Upper

75 100

77 30.3 25.6 38.4

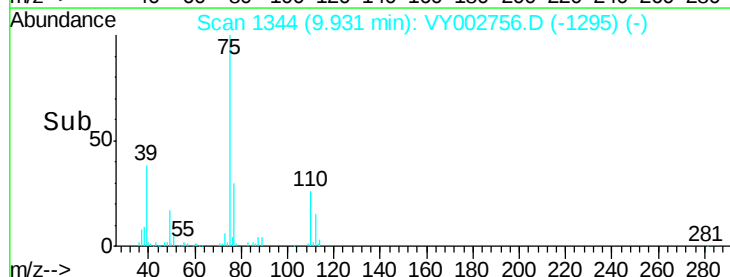
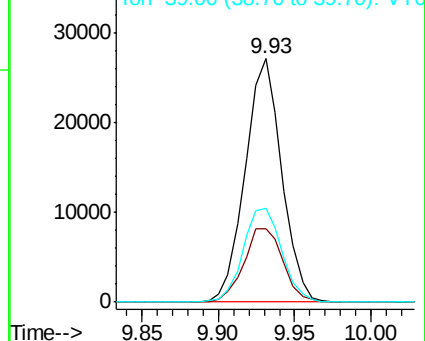
39 38.3 31.3 46.9

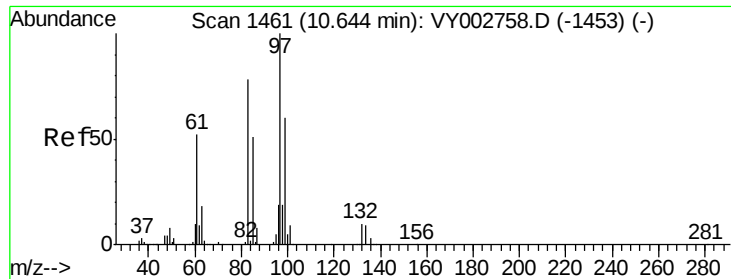


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

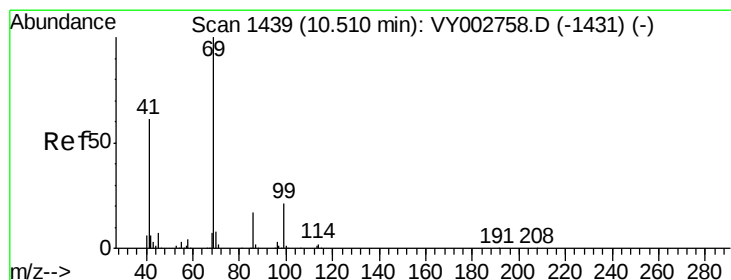
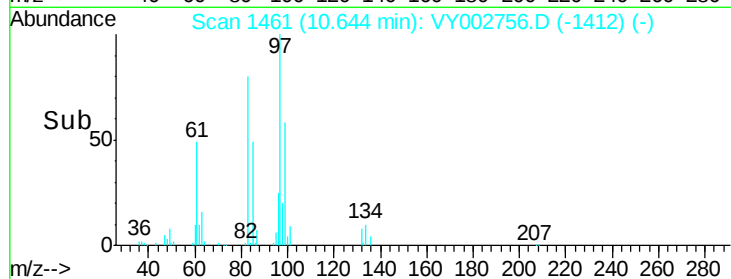
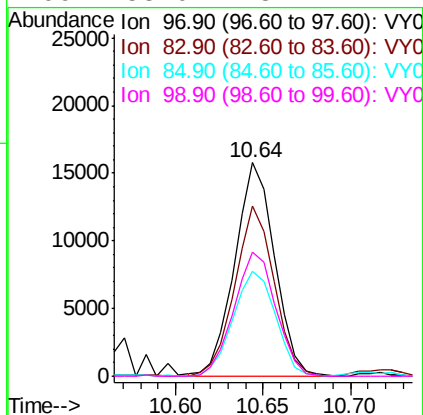
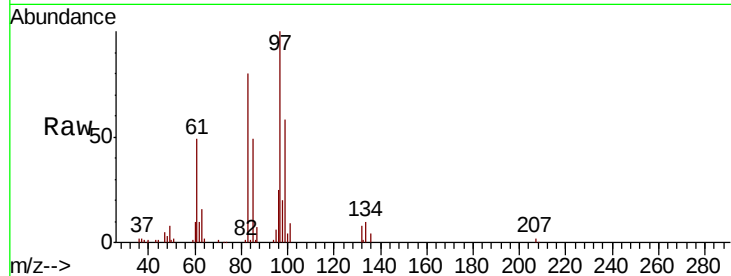




#55
 1,1,2-Trichloroethane
 Concen: 11.658 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

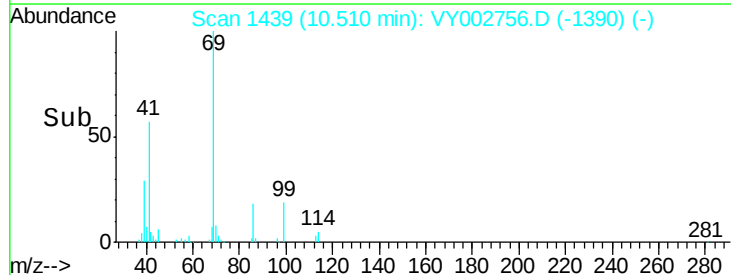
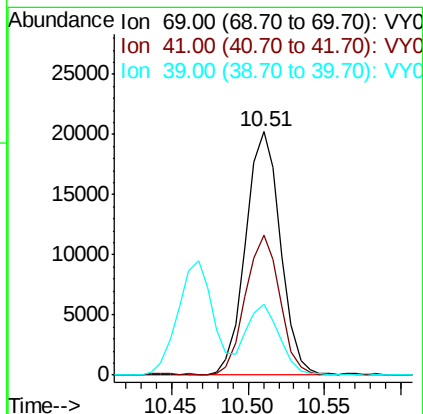
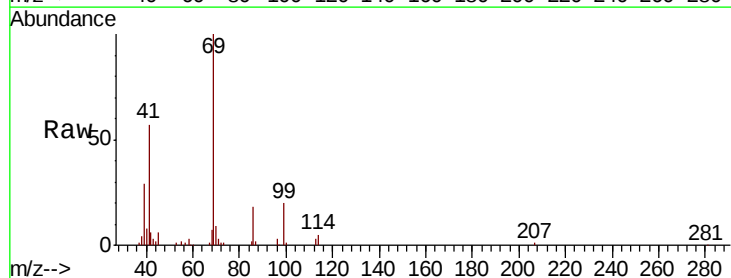
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

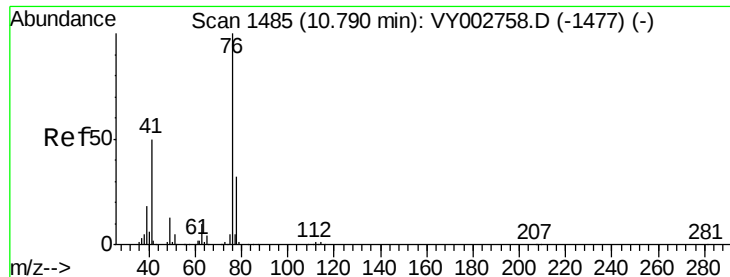
Tot Ion:	97	Resp:	25136
Ion	Ratio	Lower	Upper
97	100		
83	79.5	62.7	94.1
85	49.2	40.6	60.8
99	58.0	48.2	72.4



#56
 Ethyl methacrylate
 Concen: 11.201 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion:	69	Resp:	32043
Ion	Ratio	Lower	Upper
69	100		
41	56.9	47.0	70.4
39	27.1	22.0	33.0





#57

1,3-Dichloropropane

Concen: 11.188 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampled :

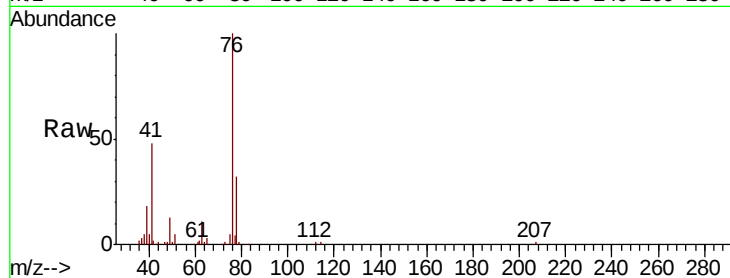
VSTDIC010

Tot Ion: 76 Resp: 40136

Ion Ratio Lower Upper

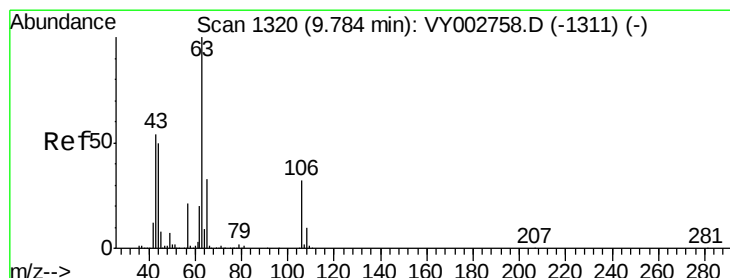
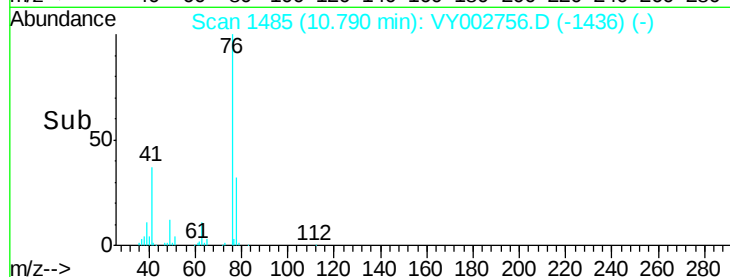
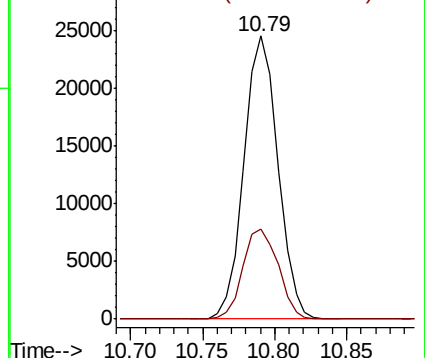
76 100

78 32.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 57.541 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002756.D

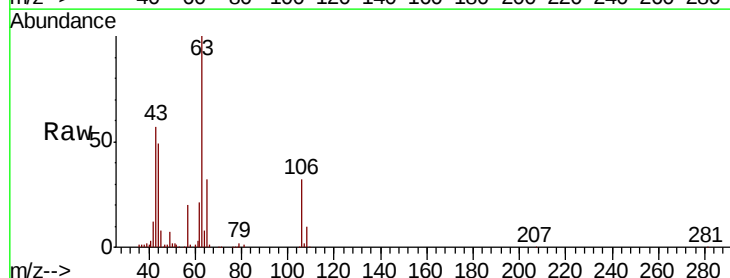
Acq: 27 May 2020 11:27

Tgt Ion: 63 Resp: 80833

Ion Ratio Lower Upper

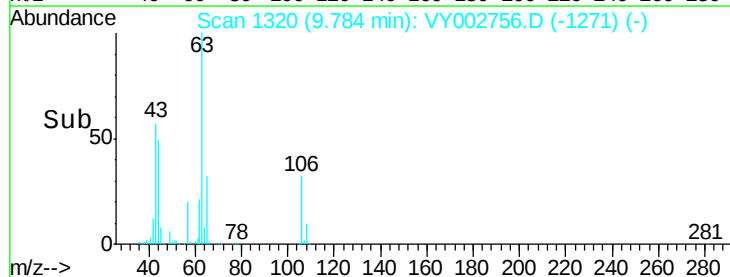
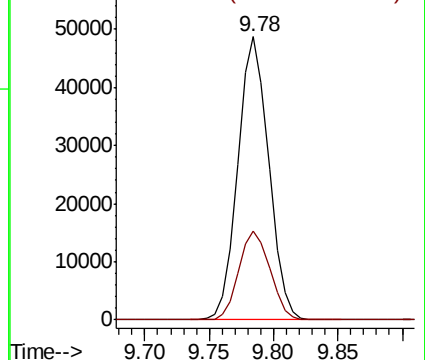
63 100

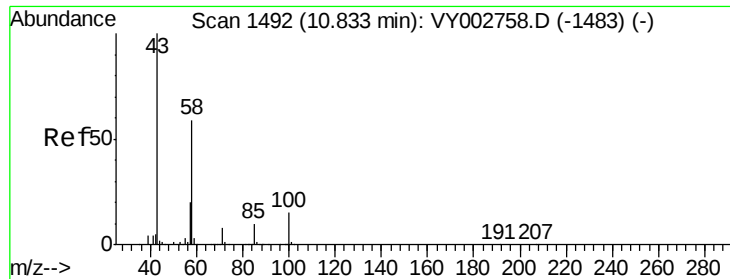
106 31.7 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

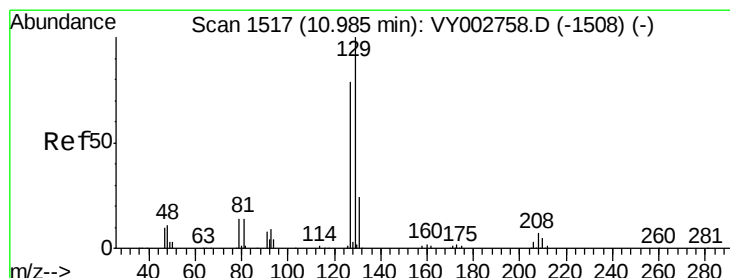
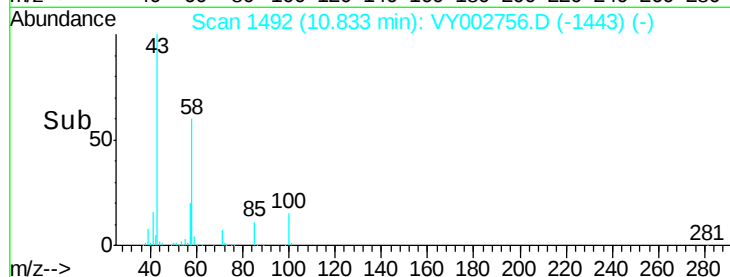
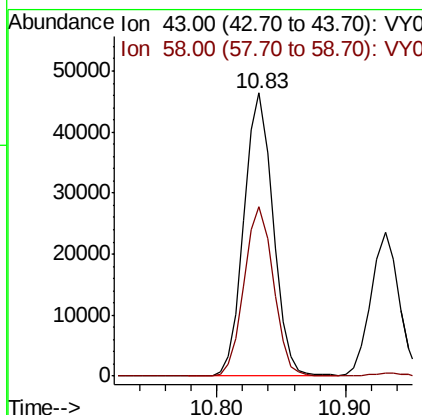
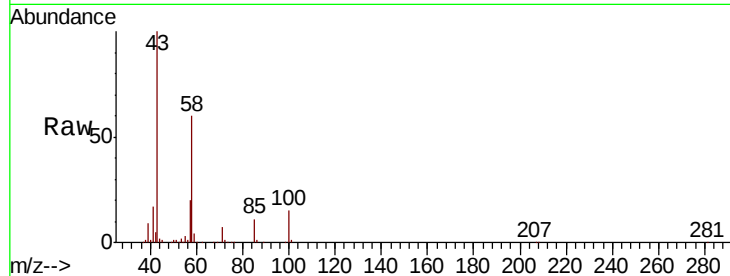




#59
2-Hexanone
Concen: 58.825 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

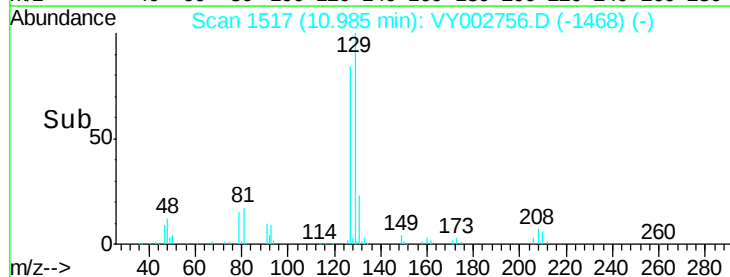
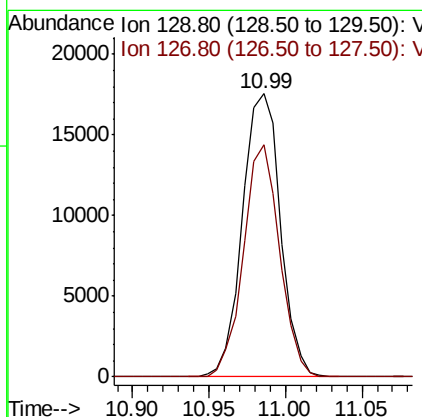
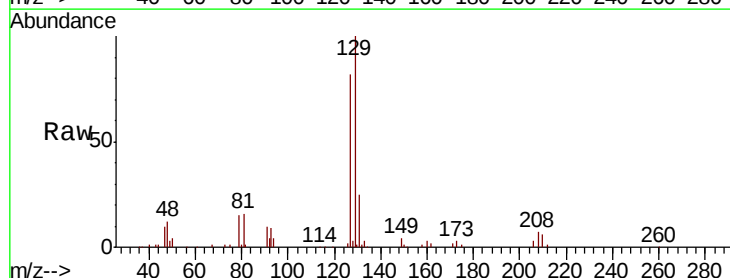
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

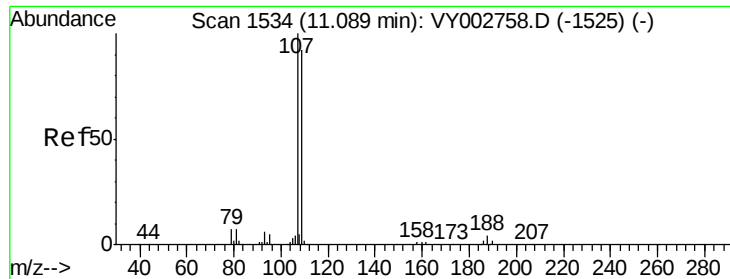
Tot Ion: 43 Resp: 72531
Ion Ratio Lower Upper
43 100
58 60.1 29.5 88.5



#60
Dibromochloromethane
Concen: 11.073 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 129 Resp: 30347
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3

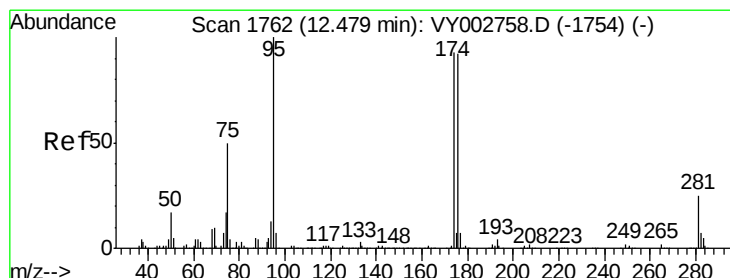
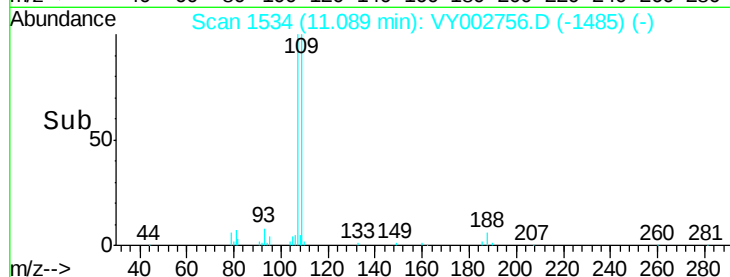
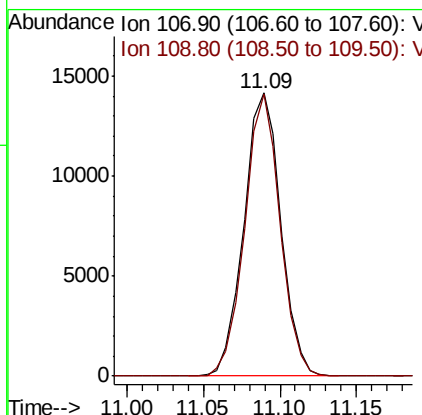
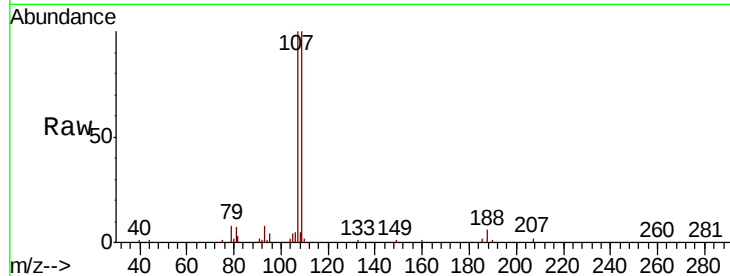




#61
 1,2-Dibromoethane
 Concen: 11.184 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

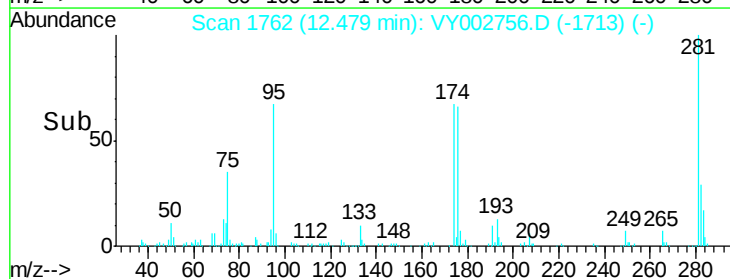
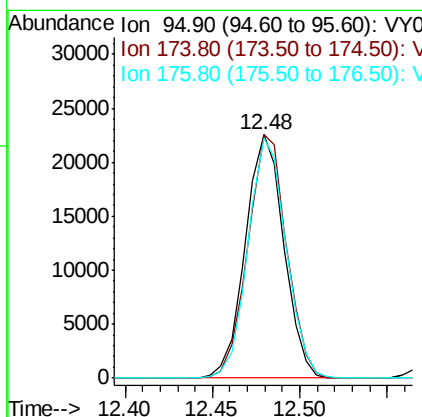
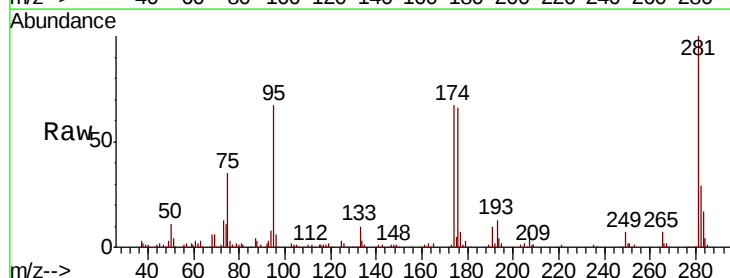
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

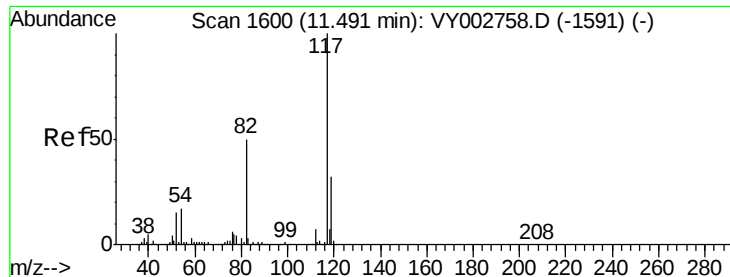
Tot Ion:107 Resp: 23714
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 10.297 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion: 95 Resp: 34496
 Ion Ratio Lower Upper
 95 100
 174 100.1 0.0 191.2
 176 97.4 0.0 188.8

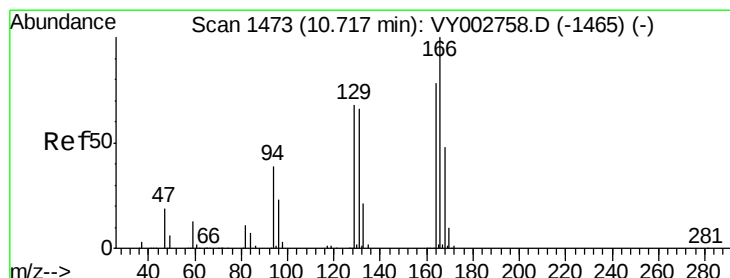
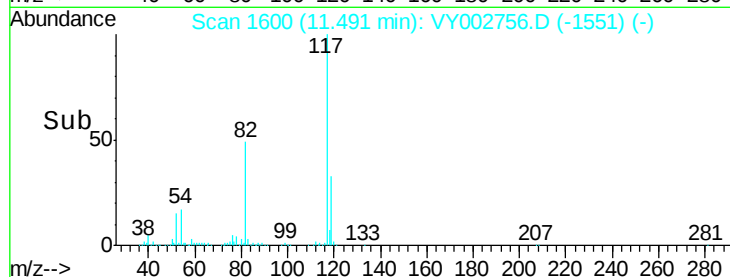
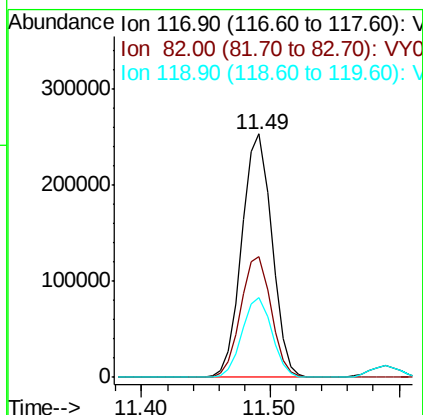
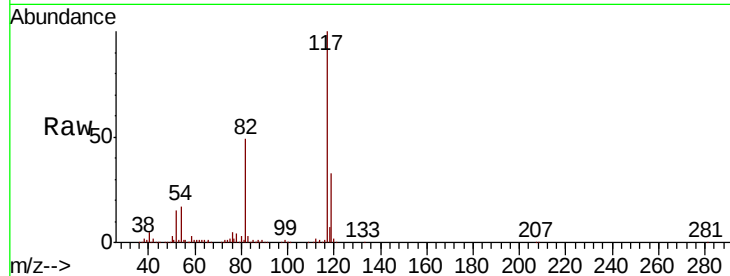




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

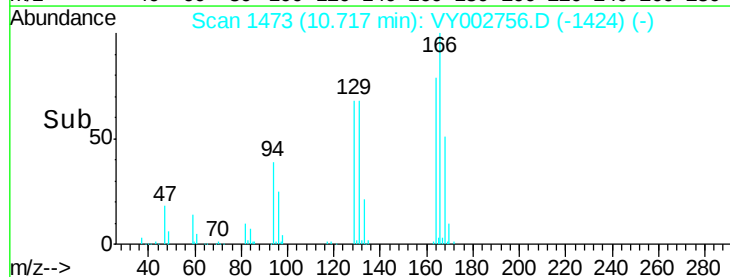
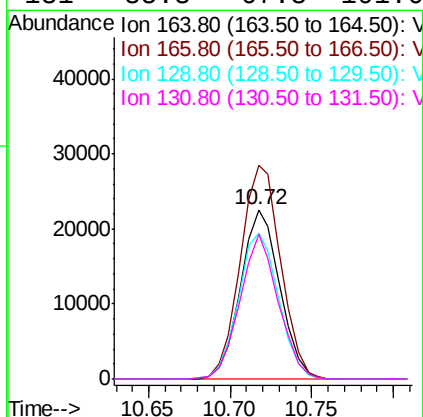
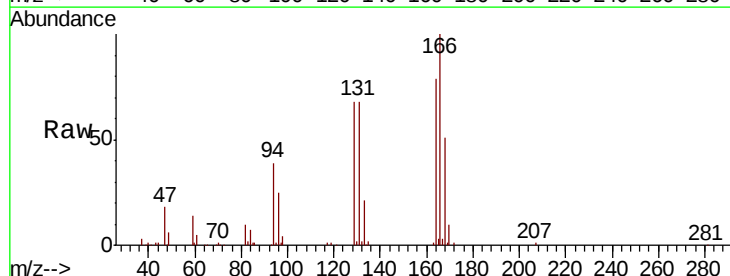
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

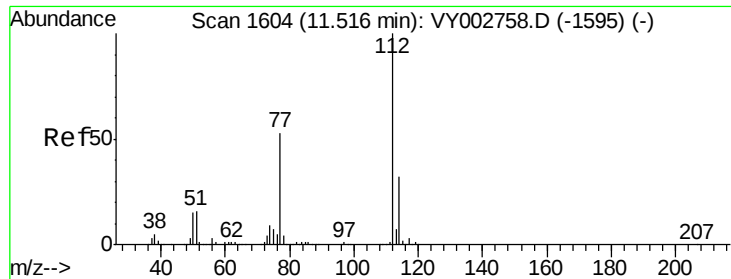
Tot Ion:117 Resp: 408545
Ion Ratio Lower Upper
117 100
82 49.4 40.2 60.4
119 32.6 25.8 38.8



#64
Tetrachloroethene
Concen: 9.829 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion:164 Resp: 37670
Ion Ratio Lower Upper
164 100
166 126.0 102.3 153.5
129 85.9 69.4 104.2
131 85.3 67.8 101.6

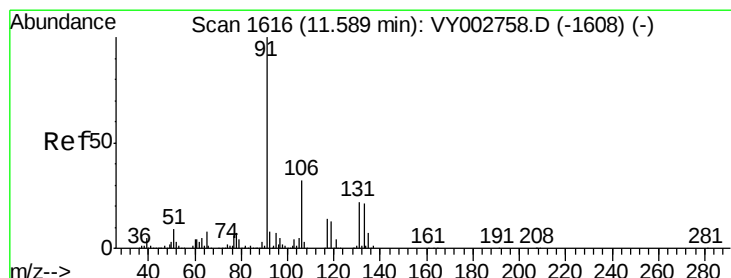
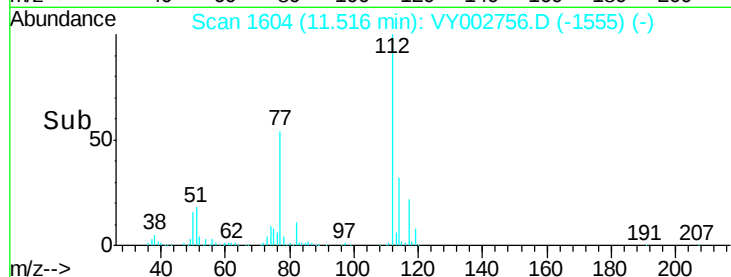
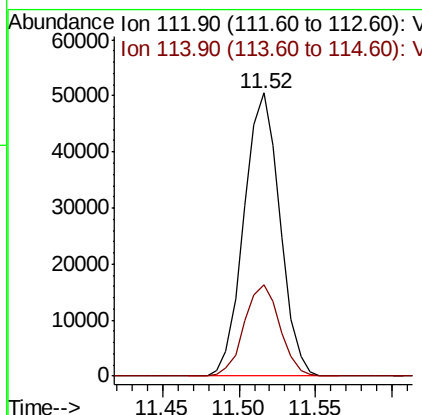
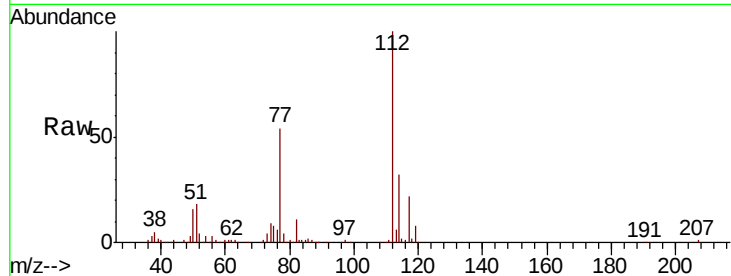




#65
Chlorobenzene
Concen: 10.455 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

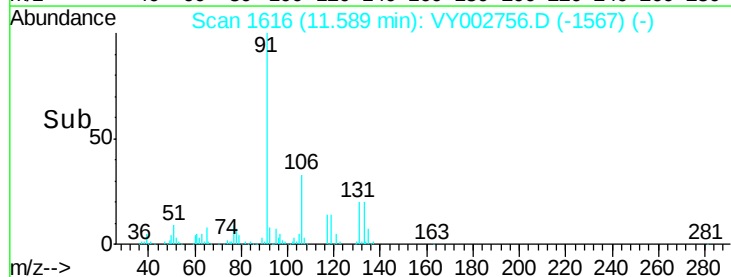
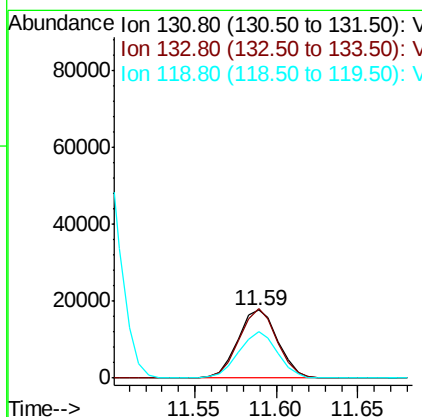
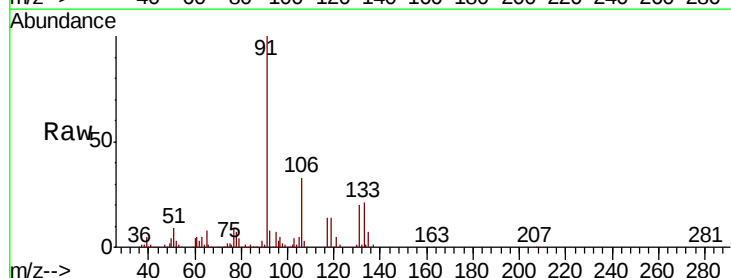
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 82501
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 10.321 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion:131 Resp: 30340
Ion Ratio Lower Upper
131 100
133 96.7 47.6 142.8
119 64.9 31.7 95.1





#67

Ethyl Benzene

Concen: 10.194 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampled :

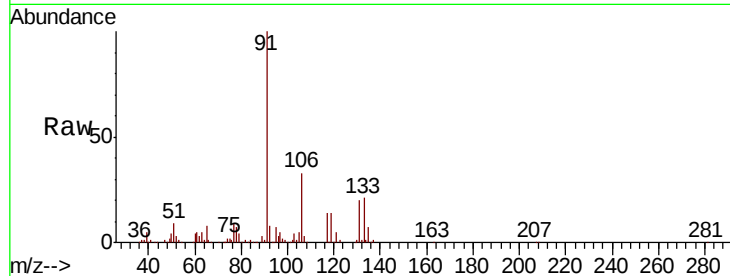
VSTDIC010

Tot Ion: 91 Resp: 140886

Ion Ratio Lower Upper

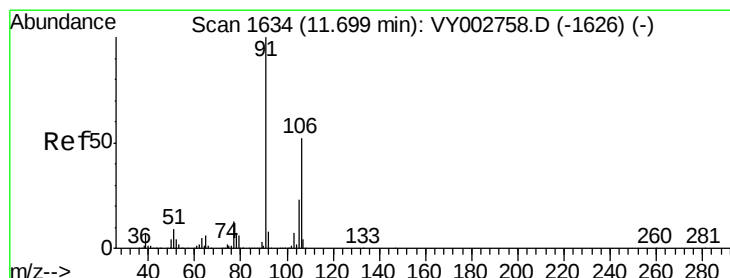
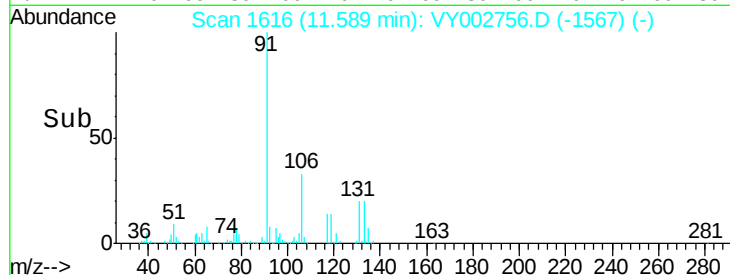
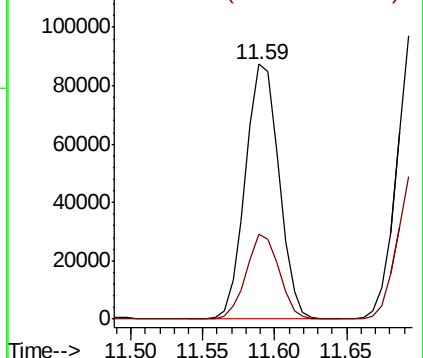
91 100

106 33.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 20.253 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002756.D

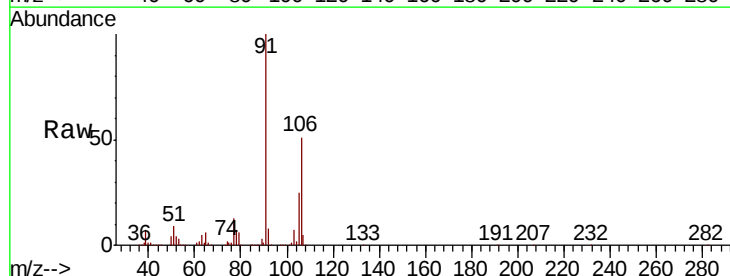
Acq: 27 May 2020 11:27

Tgt Ion: 106 Resp: 108921

Ion Ratio Lower Upper

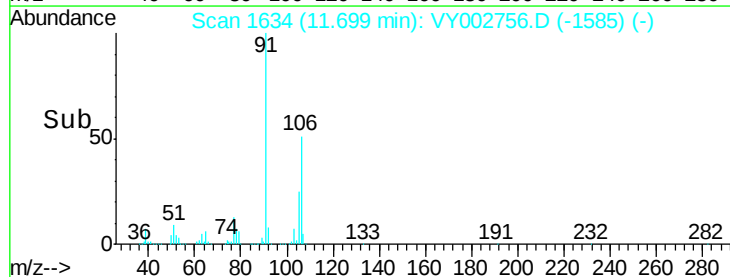
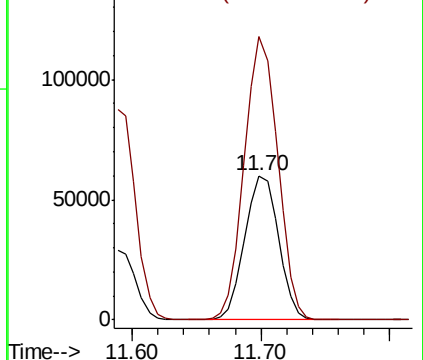
106 100

91 194.6 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

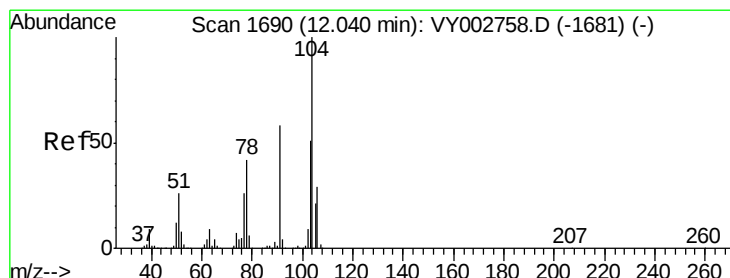
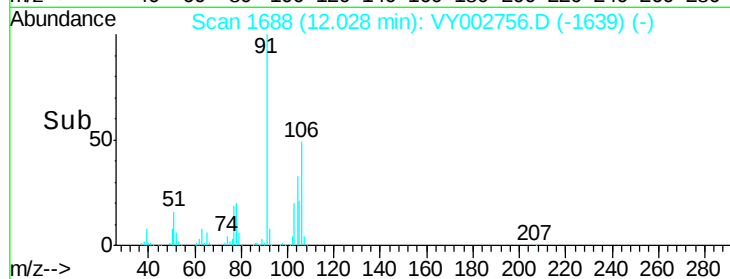
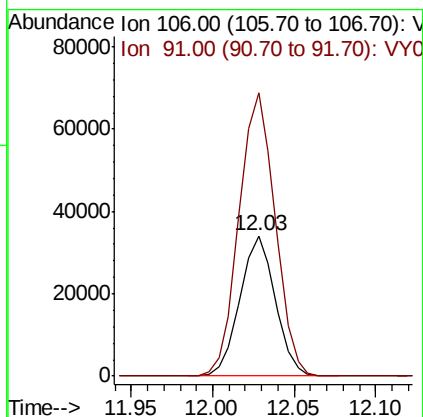
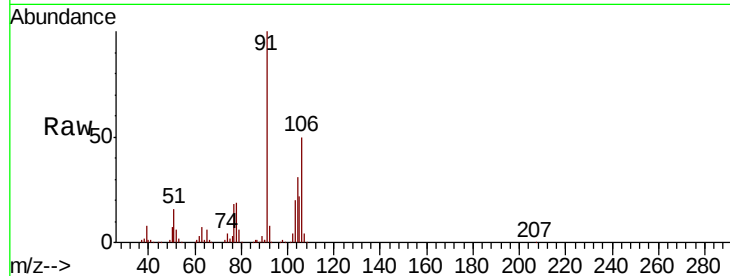




#69
o-Xylene
Concen: 10.190 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

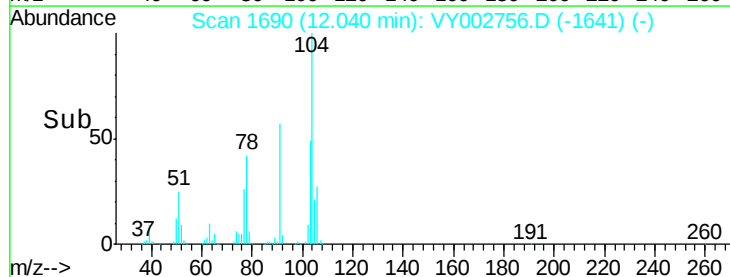
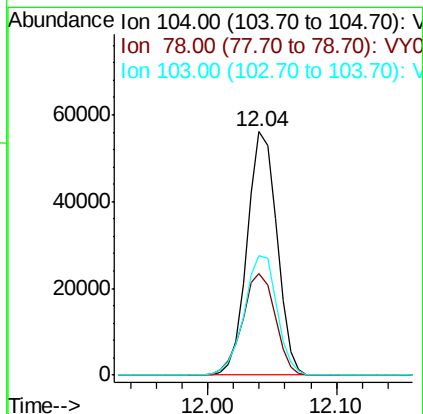
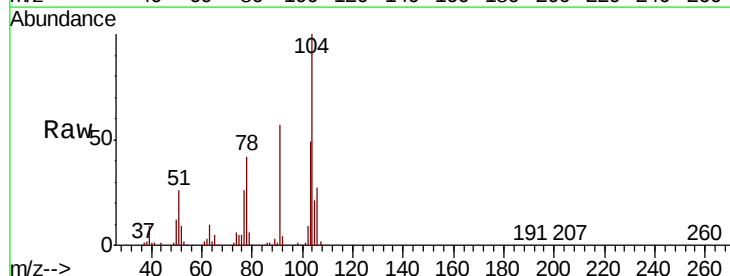
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

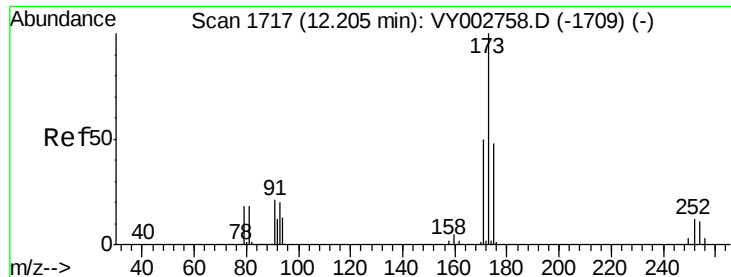
Tot Ion:106 Resp: 51518
Ion Ratio Lower Upper
106 100
91 206.5 102.4 307.1



#70
Styrene
Concen: 10.232 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion:104 Resp: 88941
Ion Ratio Lower Upper
104 100
78 46.1 36.2 54.4
103 54.3 43.6 65.4





#71

Bromoform

Concen: 11.125 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

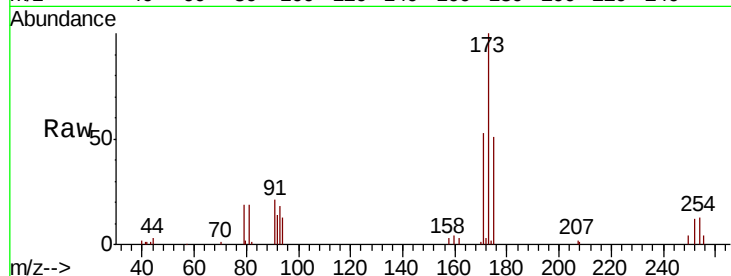
Tot Ion:173 Resp: 20396

Ion Ratio Lower Upper

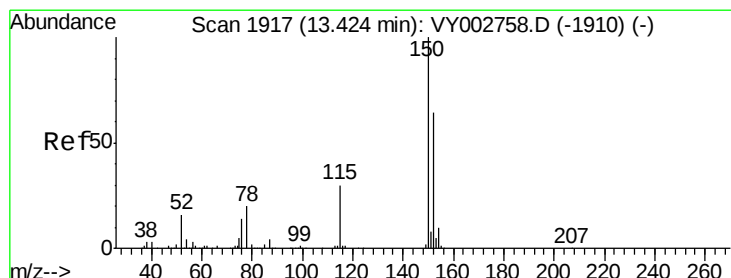
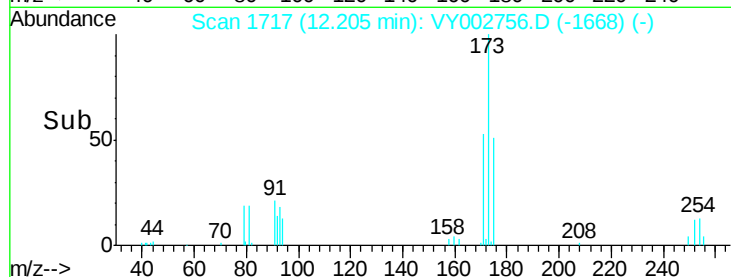
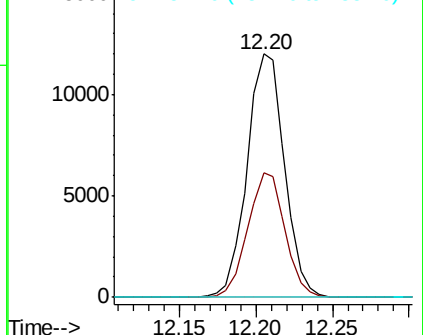
173 100

175 50.8 24.3 72.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

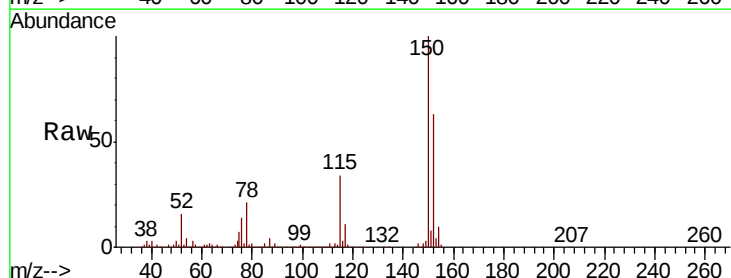
Tgt Ion:152 Resp: 222892

Ion Ratio Lower Upper

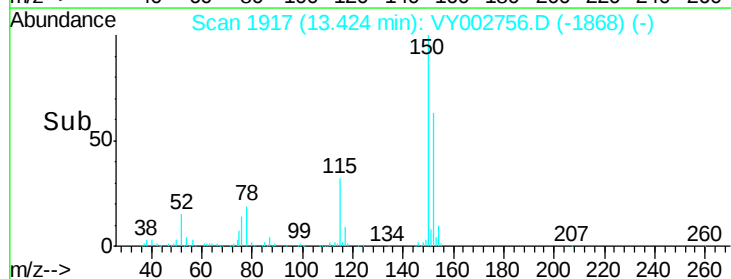
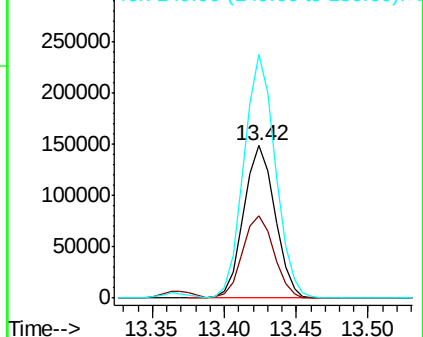
152 100

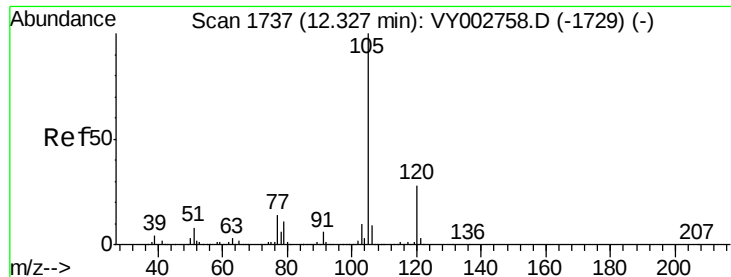
115 54.2 27.0 81.0

150 161.2 0.0 344.8



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: 9.788 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

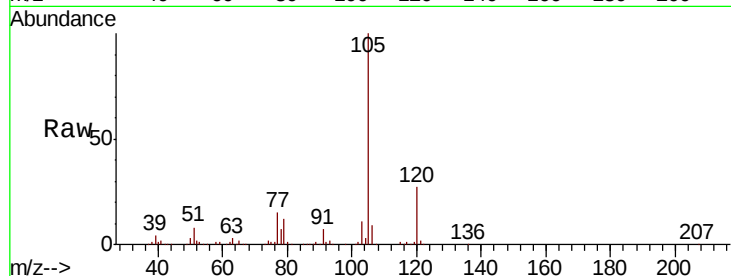
VSTDIC010

Tot Ion:105 Resp: 141605

Ion Ratio Lower Upper

105 100

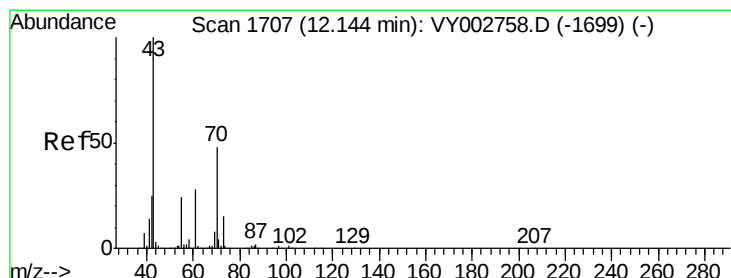
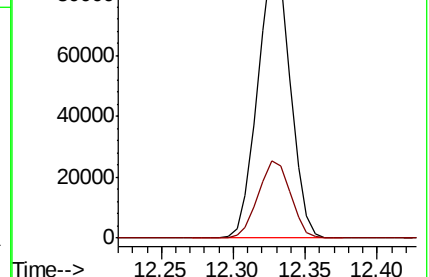
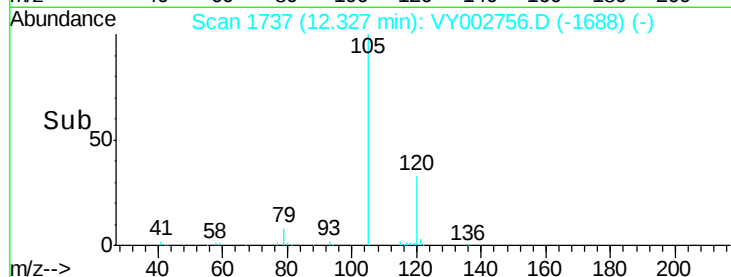
120 27.7 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33



#74

N-ethyl acetate

Concen: 10.608 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Tgt Ion: 43 Resp: 36519

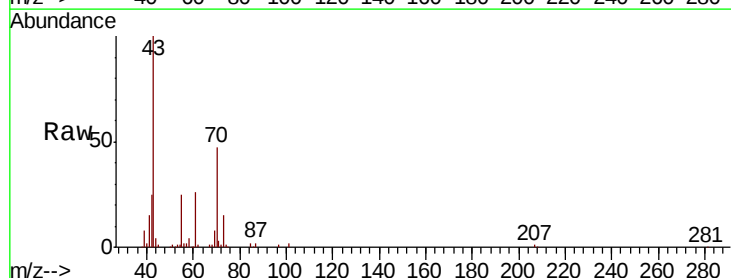
Ion Ratio Lower Upper

43 100

70 48.4 37.7 56.5

55 24.4 19.8 29.6

61 26.5 21.7 32.5



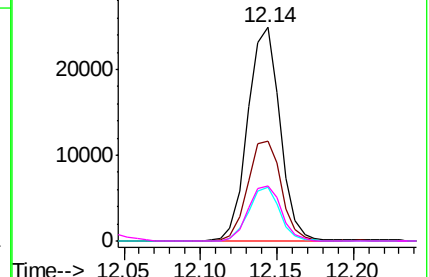
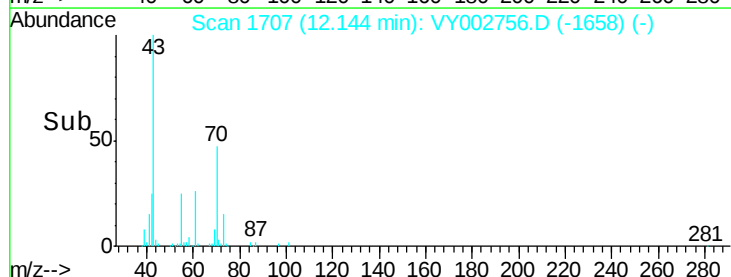
Abundance Ion 43.00 (42.70 to 43.70): VY0

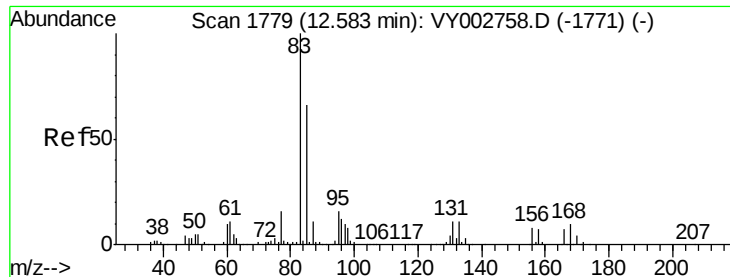
Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

12.14





#75

1,1,2,2-Tetrachloroethane

Concen: 11.473 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

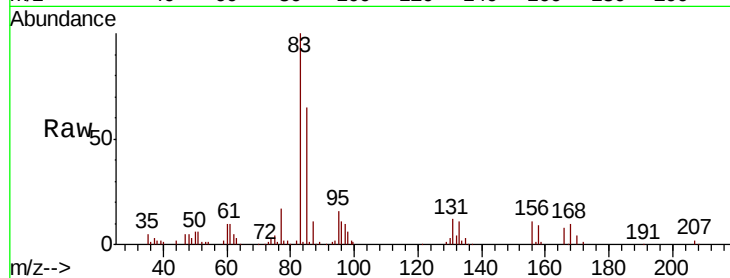
Tot Ion: 83 Resp: 25199

Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.8	17.4
85	66.4	32.6	98.0

83 100

131 12.6 5.8 17.4

85 66.4 32.6 98.0



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

12.58

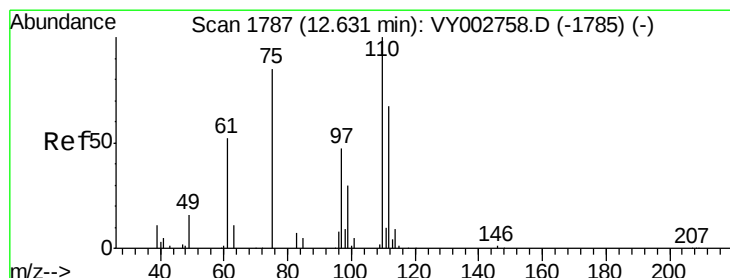
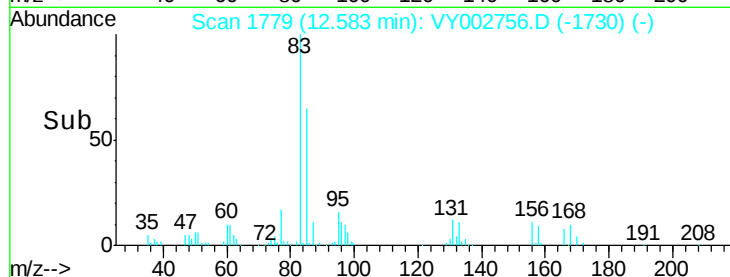
15000

10000

5000

0

Time--> 12.50 12.55 12.60



#76

1,2,3-Trichloropropane

Concen: 20.558 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002756.D

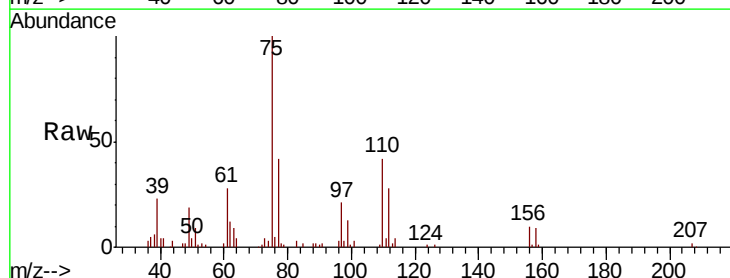
Acq: 27 May 2020 11:27

Tgt Ion: 75 Resp: 37912

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

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

40000

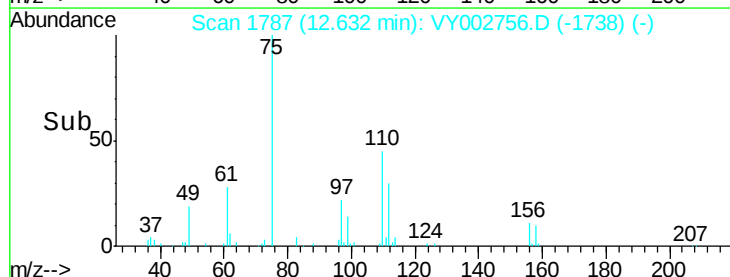
30000

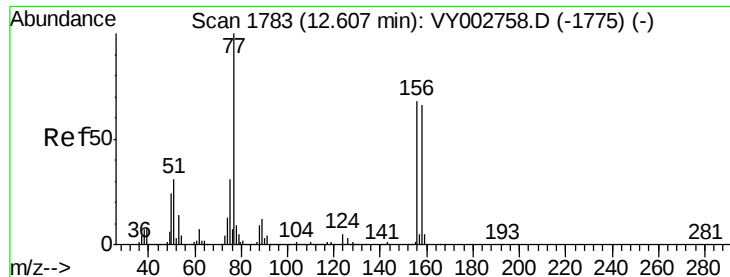
20000

10000

0

Time--> 12.50 12.60 12.70





#77

Bromobenzene

Concen: 10.168 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

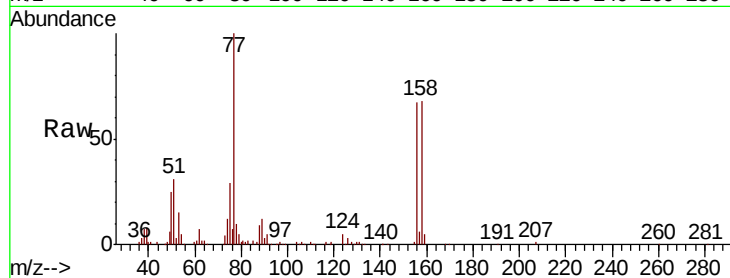
Tot Ion:156 Resp: 36992

Ion Ratio Lower Upper

156 100

77 159.9 81.4 244.2

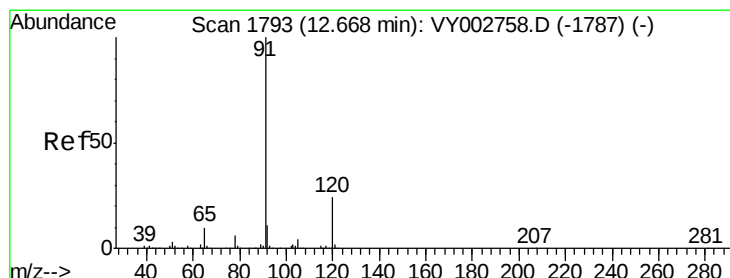
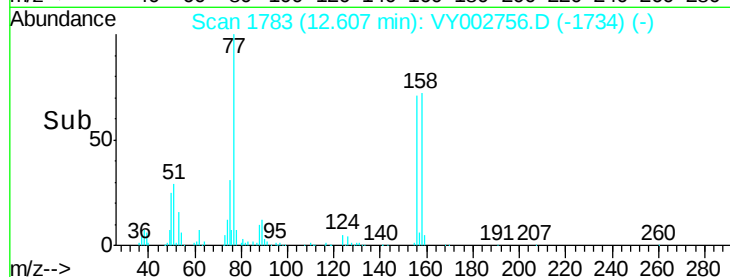
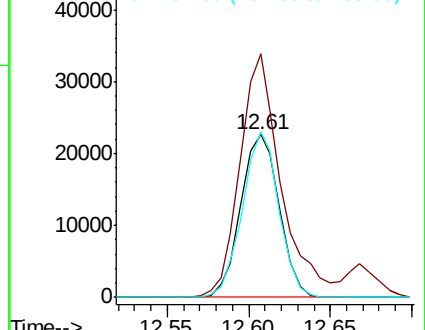
158 96.8 48.5 145.6



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: 9.839 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002756.D

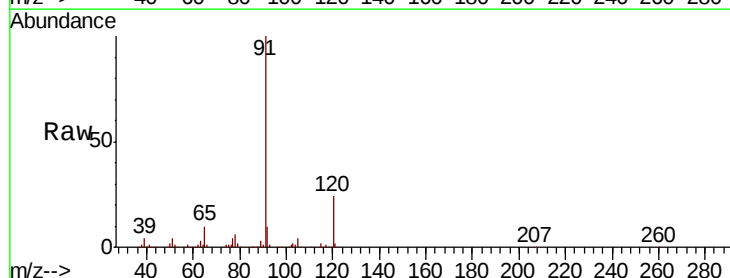
Acq: 27 May 2020 11:27

Tgt Ion: 91 Resp: 165568

Ion Ratio Lower Upper

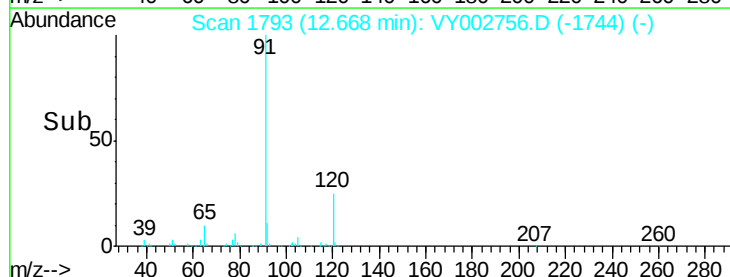
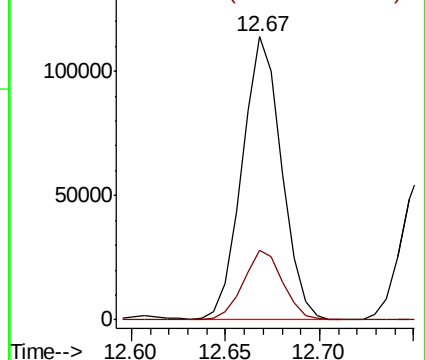
91 100

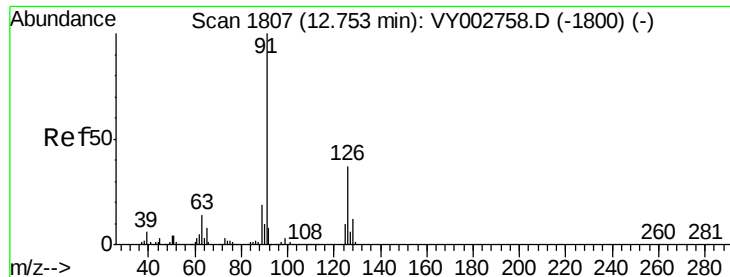
120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.943 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

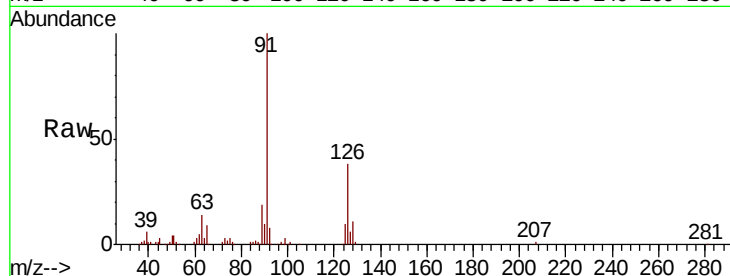
VSTDIC010

Tot Ion: 91 Resp: 92912

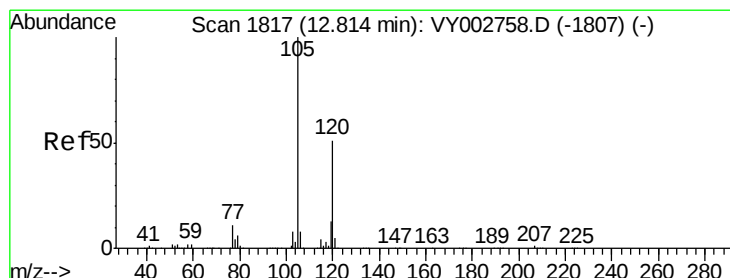
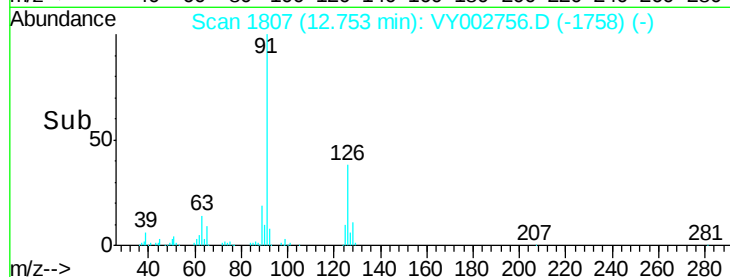
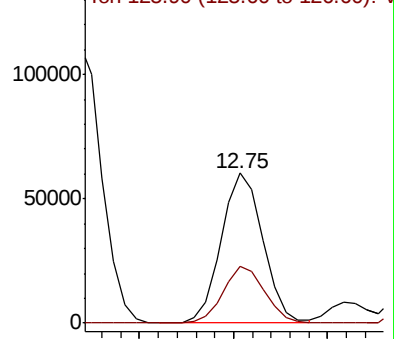
Ion Ratio Lower Upper

91 100

126 37.4 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VY002756.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.768 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002756.D

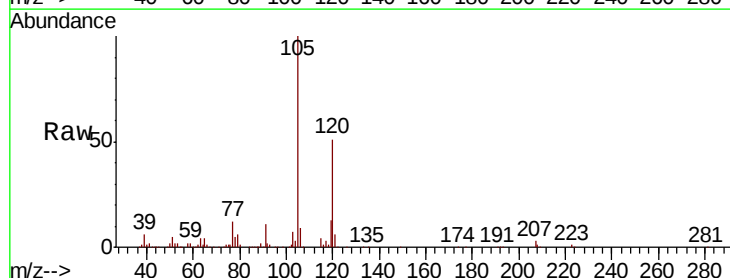
Acq: 27 May 2020 11:27

Tgt Ion: 105 Resp: 118757

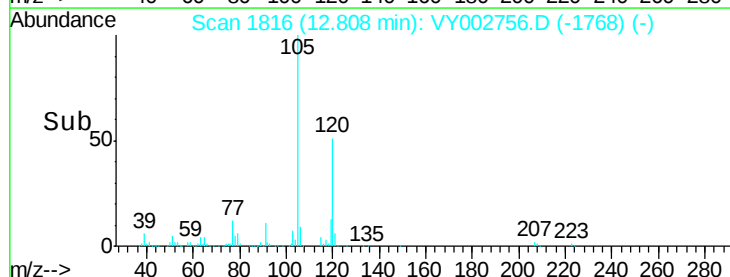
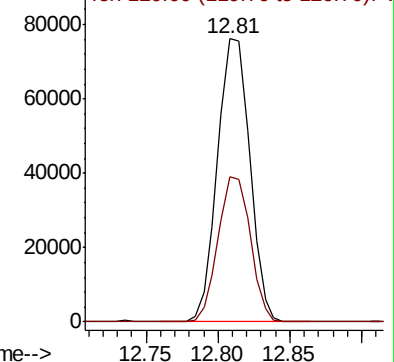
Ion Ratio Lower Upper

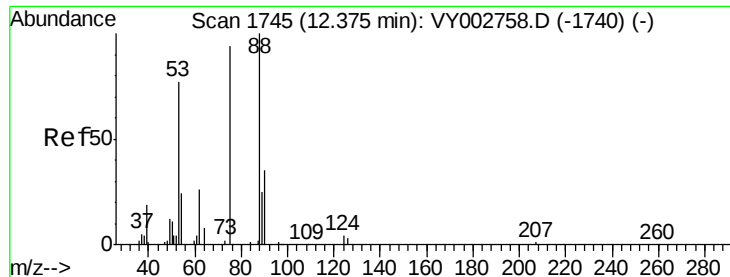
105 100

120 51.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002756.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 10.945 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

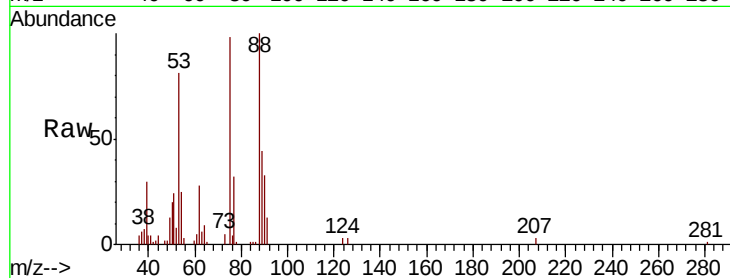
Tot Ion: 75 Resp: 10765

Ion Ratio Lower Upper

75 100

53 81.6 64.0 96.0

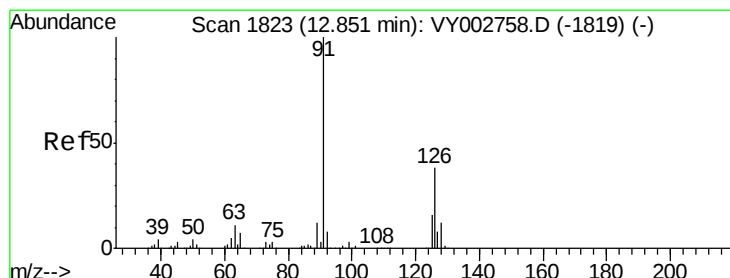
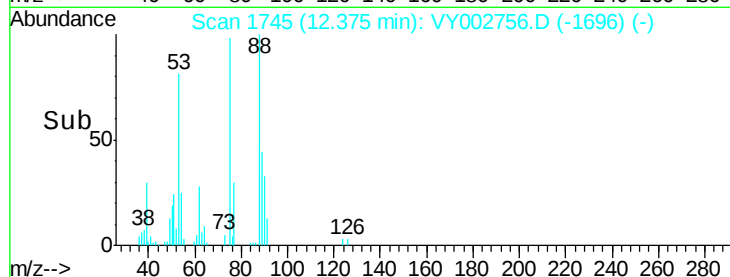
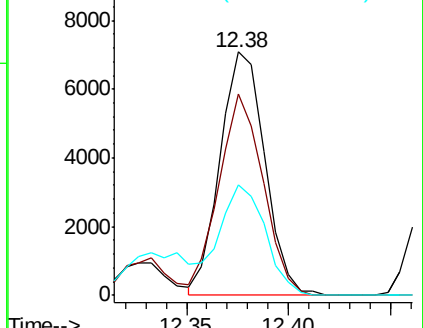
89 48.4 37.4 56.2



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: 9.983 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY002756.D

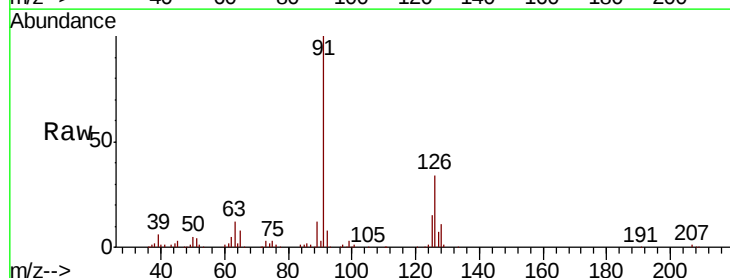
Acq: 27 May 2020 11:27

Tgt Ion: 91 Resp: 98017

Ion Ratio Lower Upper

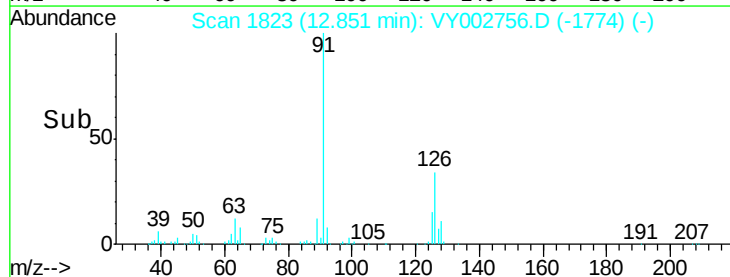
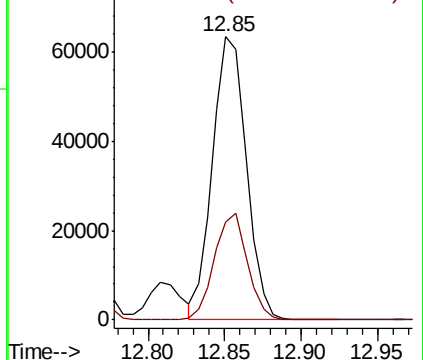
91 100

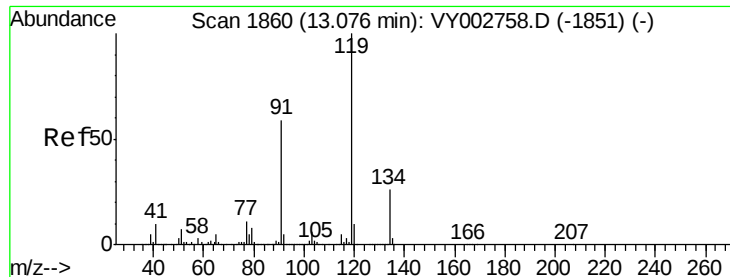
126 36.5 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 9.880 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

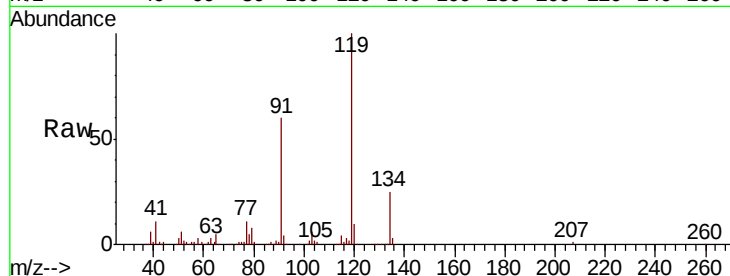
Tot Ion:119 Resp: 106588

Ion Ratio Lower Upper

119 100

91 59.0 29.8 89.4

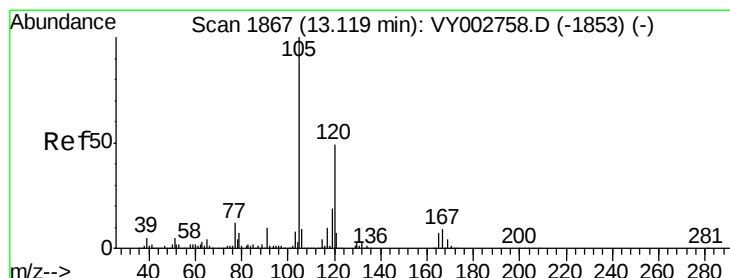
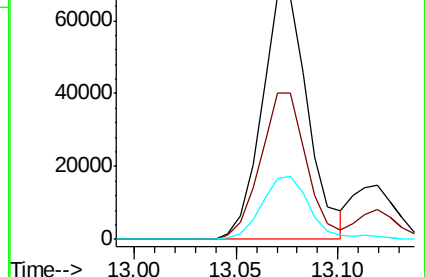
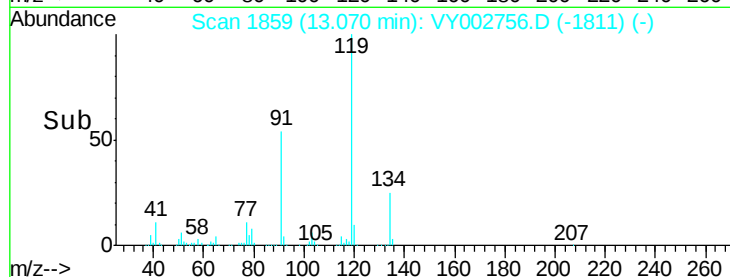
134 27.0 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.781 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002756.D

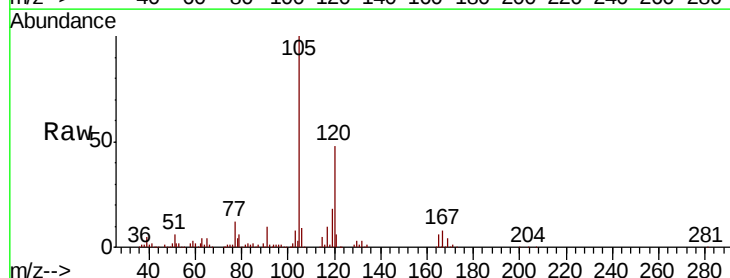
Acq: 27 May 2020 11:27

Tgt Ion:105 Resp: 119033

Ion Ratio Lower Upper

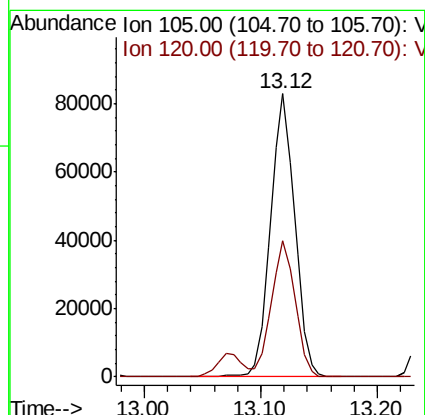
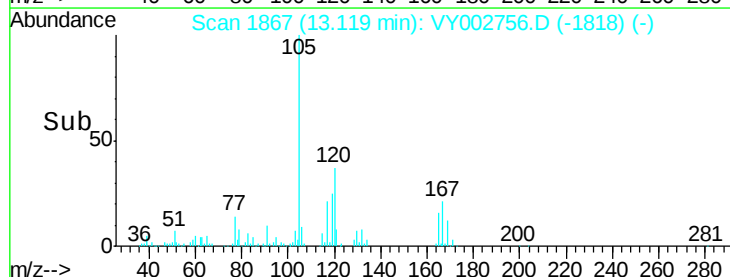
105 100

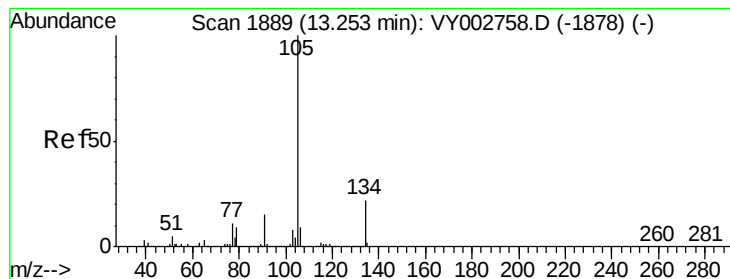
120 46.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.814 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

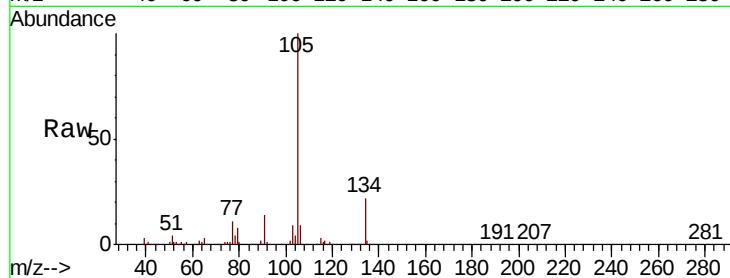
VSTDIC010

Tot Ion:105 Resp: 145732

Ion Ratio Lower Upper

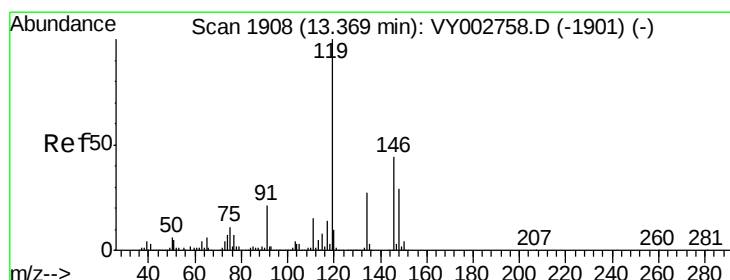
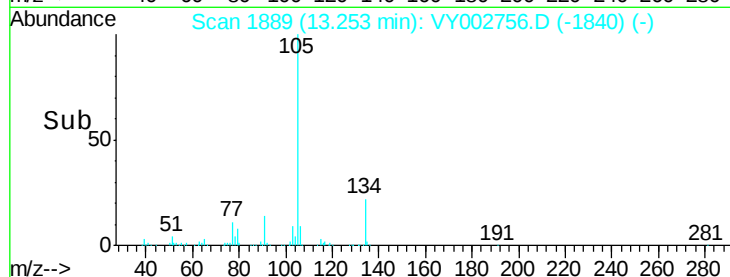
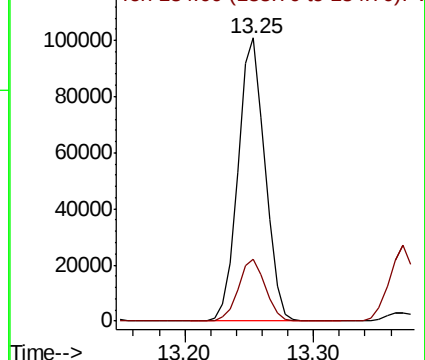
105 100

134 22.2 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.675 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

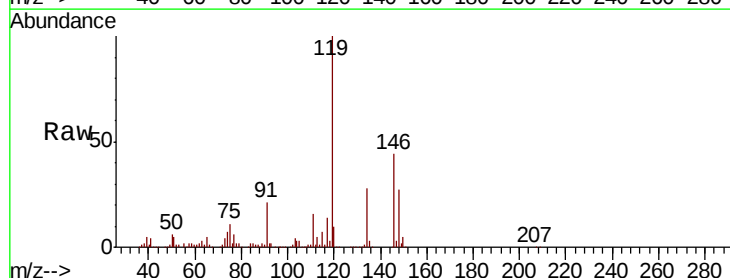
Tgt Ion:119 Resp: 134306

Ion Ratio Lower Upper

119 100

134 27.9 13.7 41.0

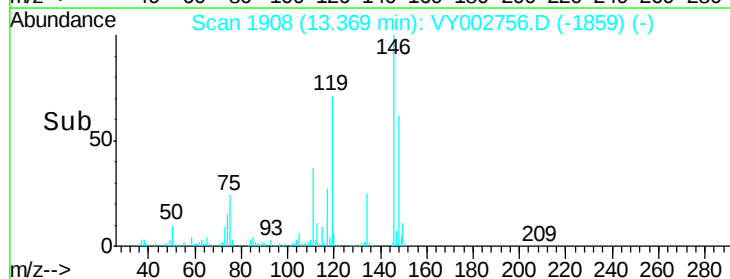
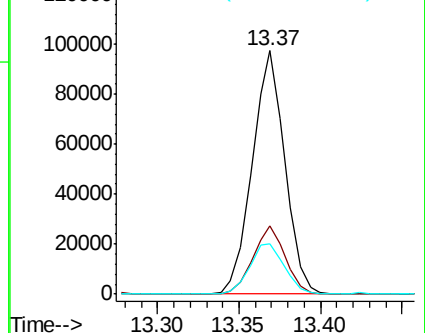
91 22.2 10.8 32.4

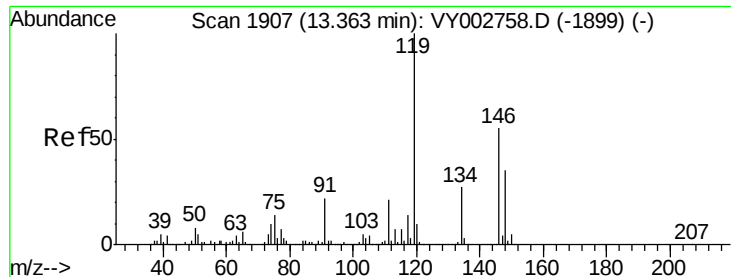


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 10.230 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

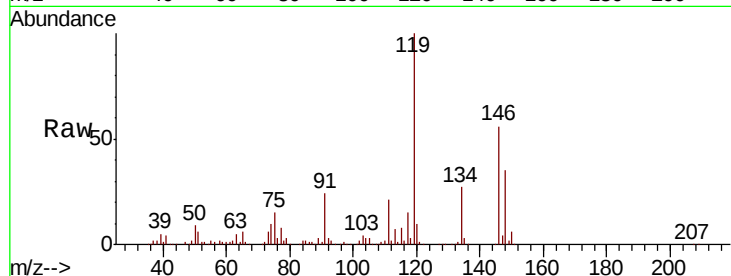
Tot Ion:146 Resp: 71777

Ion Ratio Lower Upper

146 100

111 36.2 18.4 55.0

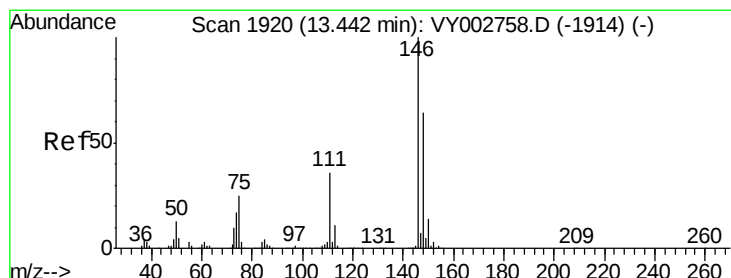
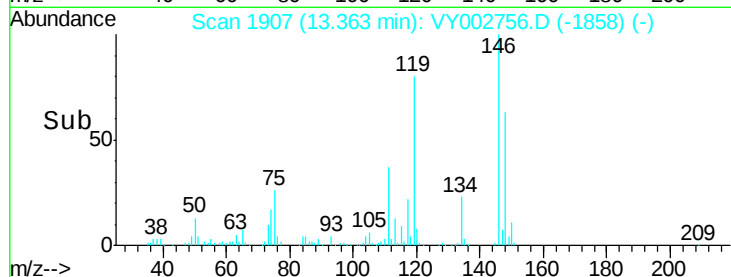
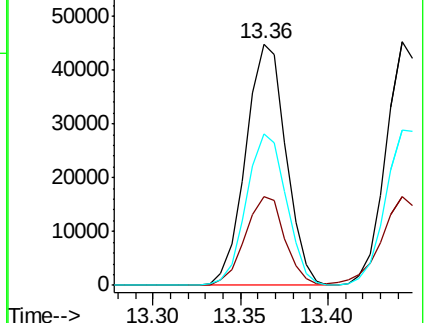
148 62.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.066 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

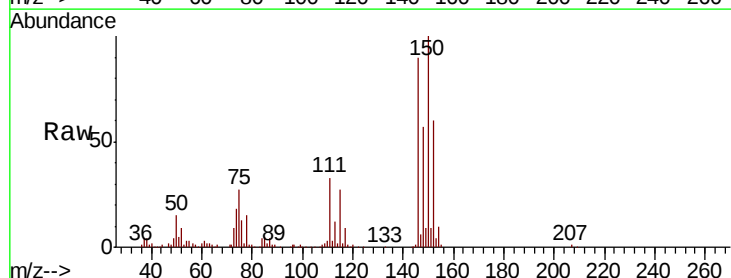
Tgt Ion:146 Resp: 70308

Ion Ratio Lower Upper

146 100

111 39.0 18.1 54.3

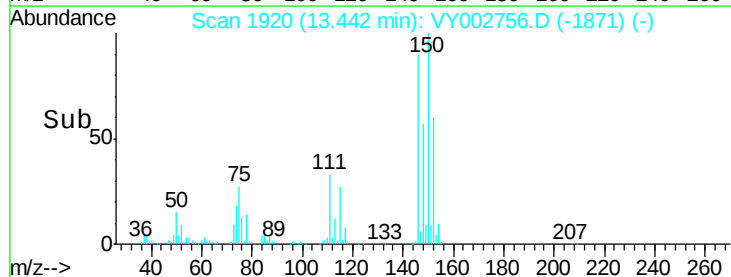
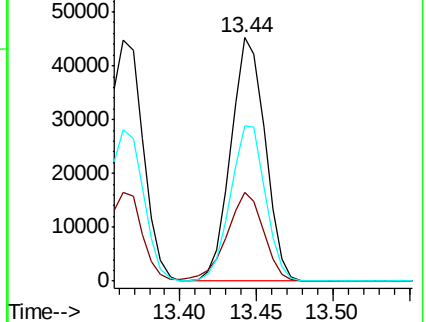
148 64.9 32.1 96.3



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

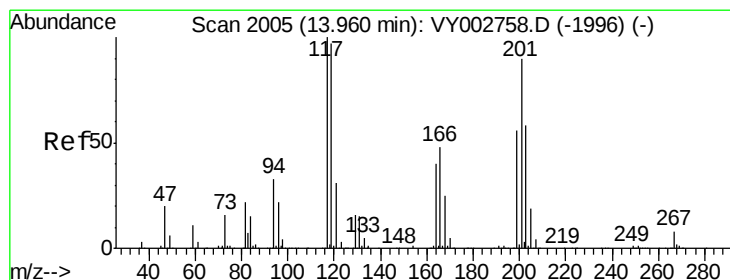
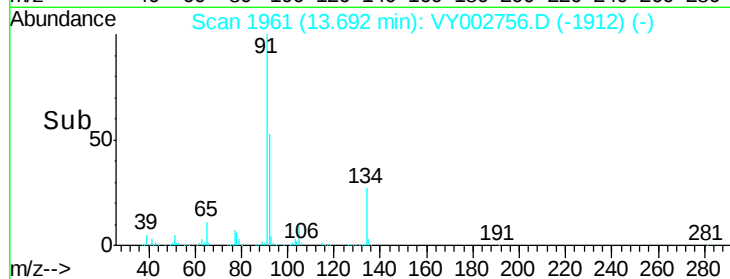
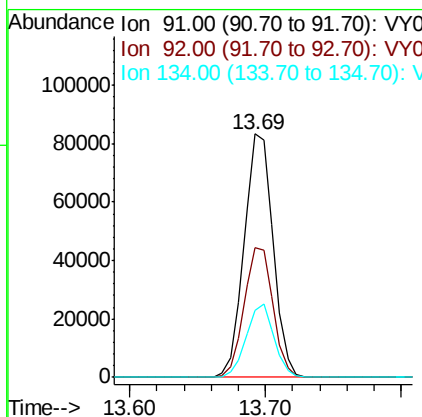
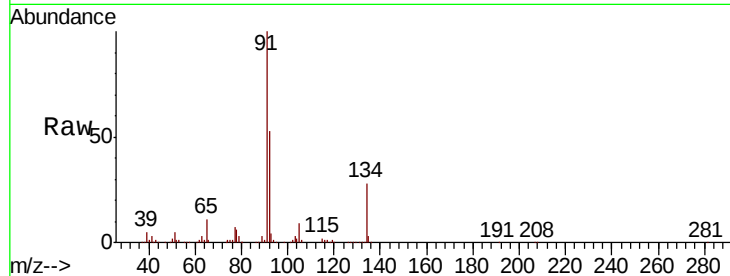




#89
n-Butylbenzene
Concen: 9.709 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

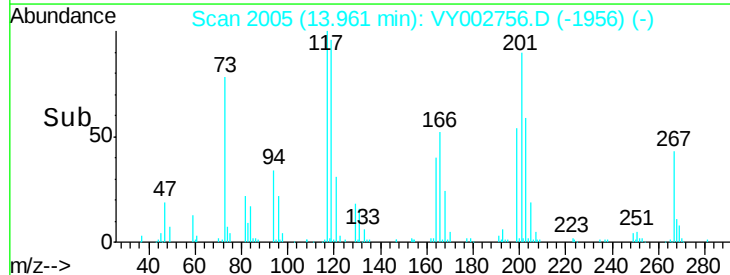
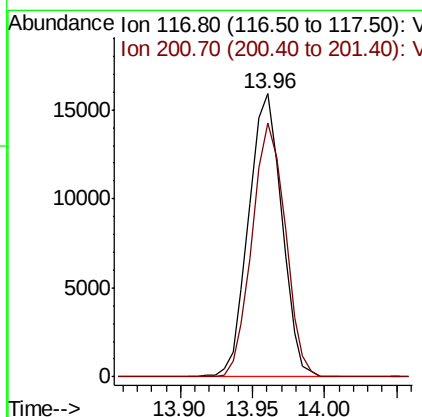
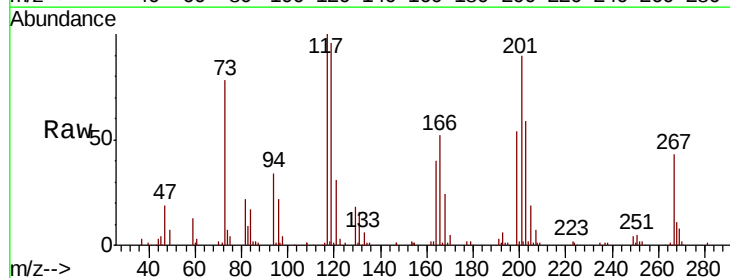
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 123789
Ion Ratio Lower Upper
91 100
92 53.2 27.1 81.2
134 28.8 14.3 42.9



#90
Hexachloroethane
Concen: 9.837 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion: 117 Resp: 25359
Ion Ratio Lower Upper
117 100
201 89.4 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 10.275 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

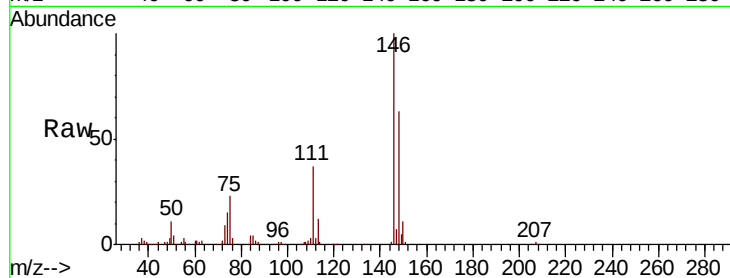
Tot Ion:146 Resp: 64841

Ion Ratio Lower Upper

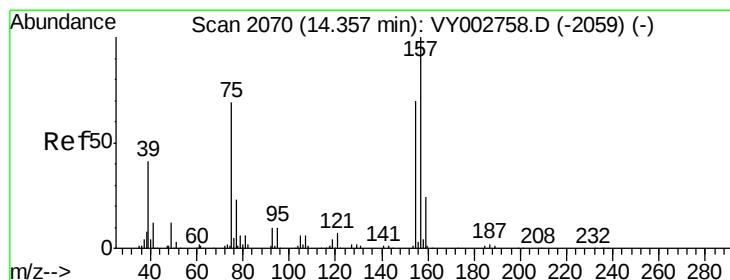
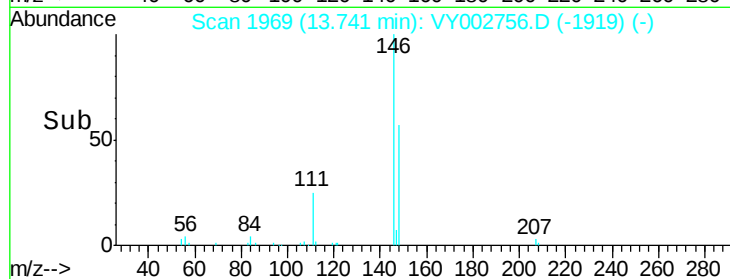
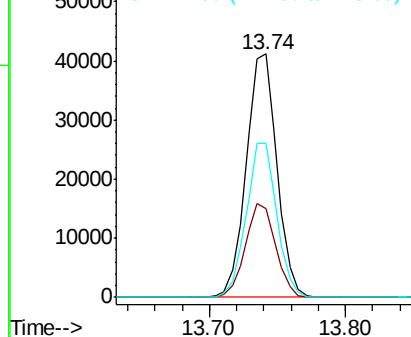
146 100

111 38.2 18.9 56.9

148 63.1 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.517 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY002756.D

Acq: 27 May 2020 11:27

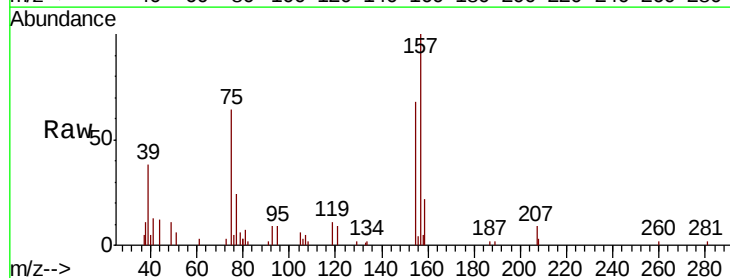
Tgt Ion: 75 Resp: 4858

Ion Ratio Lower Upper

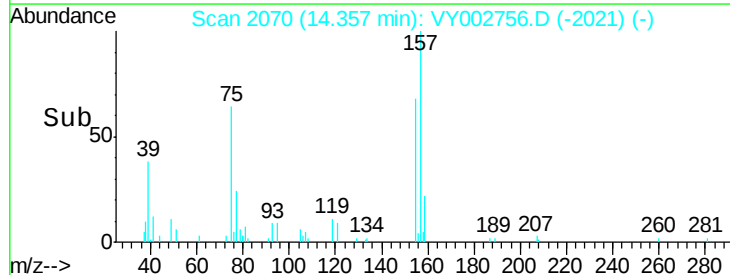
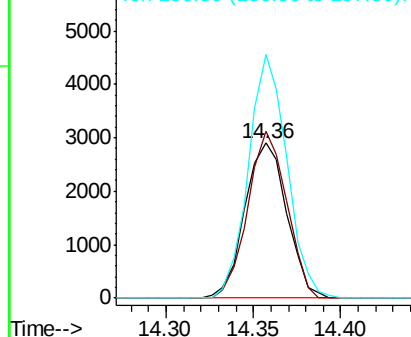
75 100

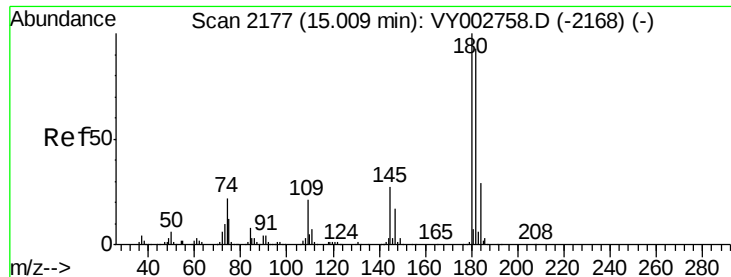
155 99.4 53.5 160.5

157 143.5 69.9 209.7



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

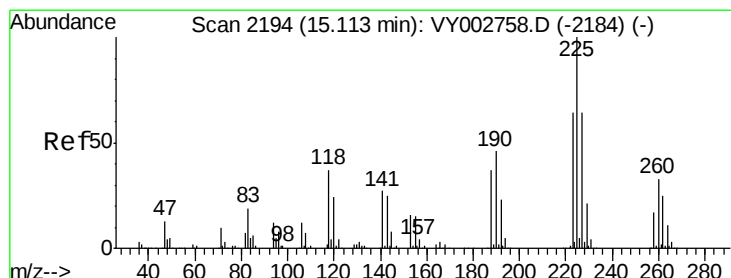
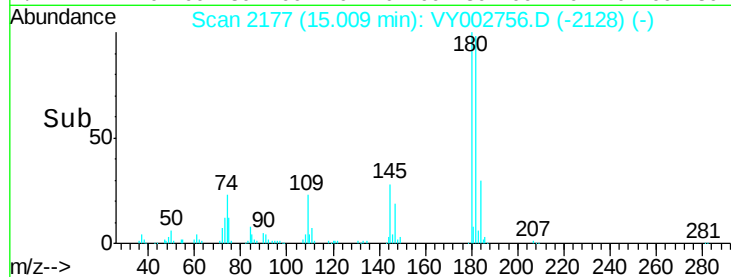
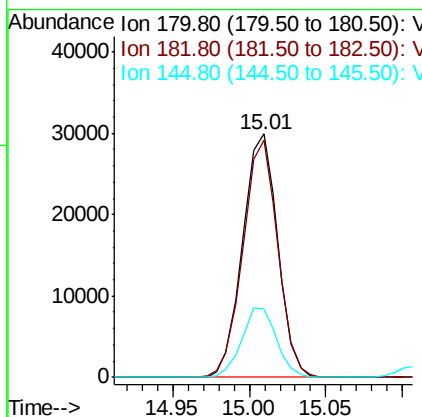
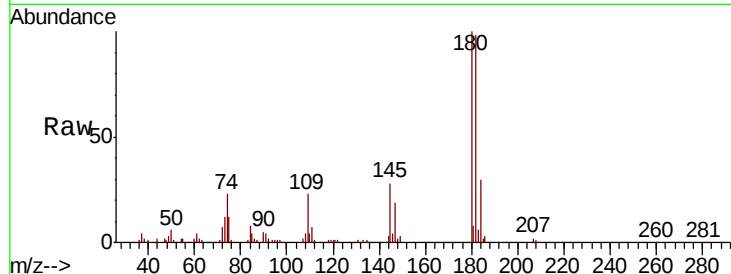




#93
 1,2,4-Trichlorobenzene
 Concen: 9.774 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

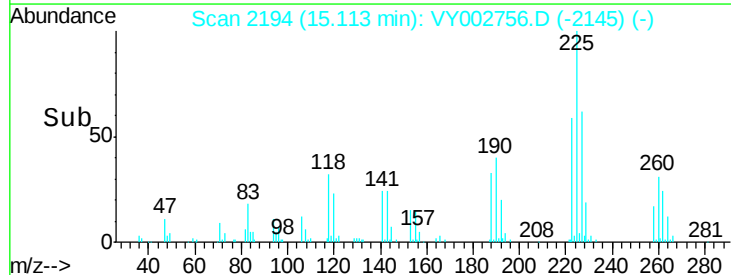
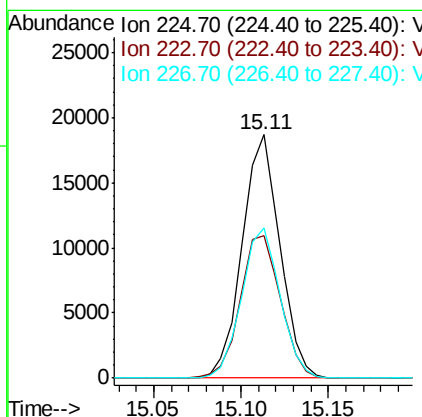
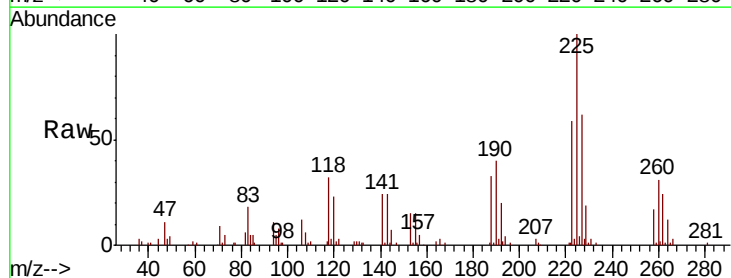
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

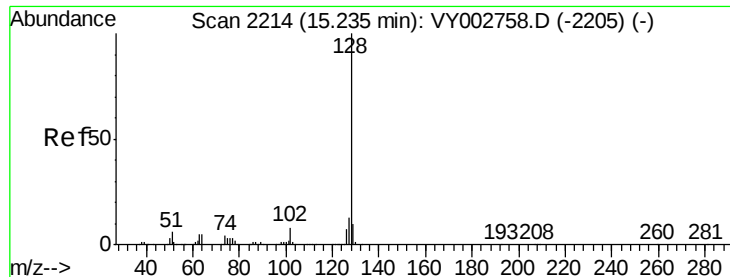
Tot Ion:180 Resp: 47741
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 141.9
 145 28.3 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 9.545 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002756.D
 Acq: 27 May 2020 11:27

Tgt Ion:225 Resp: 28022
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 95.0
 227 63.2 32.3 96.9

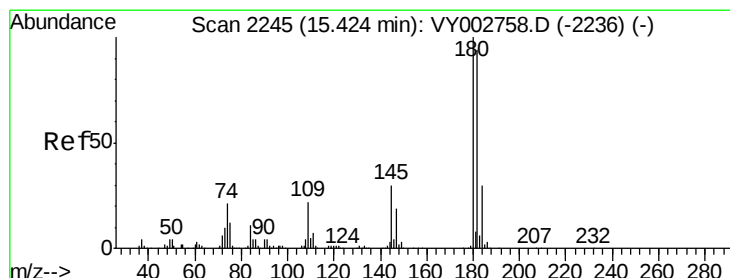
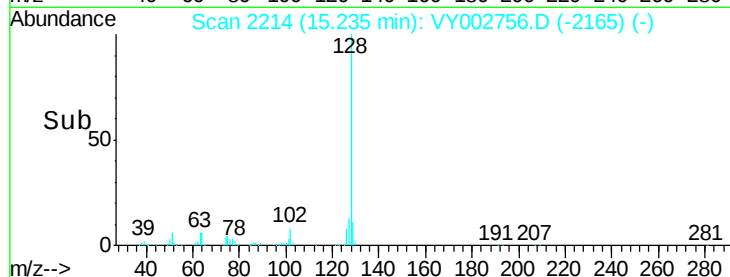
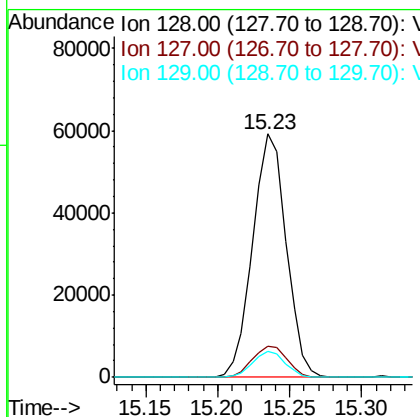
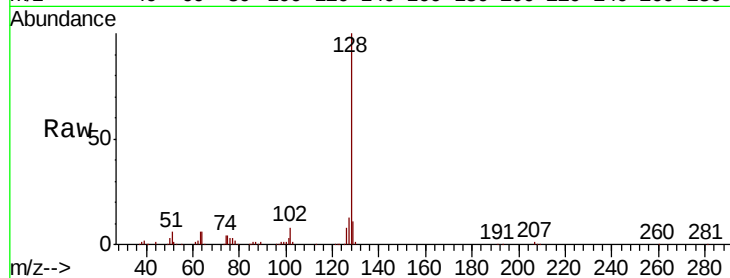




#95
Naphthalene
Concen: 10.781 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.5	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.254 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002756.D
Acq: 27 May 2020 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.4
145	29.1	15.1	45.3

