

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
 Data File : VY003003.D
 Acq On : 29 Jun 2020 12:40
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 29 17:30:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:26:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	463982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	680637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	624608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	323902	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	472521	102.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.08%	
35) Dibromofluoromethane	7.72	113	430618	101.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.84%	
50) Toluene-d8	10.18	98	1615740	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
62) 4-Bromofluorobenzene	12.48	95	562627	101.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	367664	104.632	ug/l	99
3) Chloromethane	2.12	50	492096	95.634	ug/l	98
4) Vinyl Chloride	2.26	62	529433	105.481	ug/l	95
5) Bromomethane	2.65	94	361531	106.086	ug/l	97
6) Chloroethane	2.79	64	330426	103.485	ug/l	96
7) Trichlorofluoromethane	3.13	101	734502	103.680	ug/l	100
8) Diethyl Ether	3.54	74	255974	105.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	439022	103.788	ug/l	99
10) Methyl Iodide	4.10	142	568412	108.369	ug/l	99
11) Tert butyl alcohol	4.96	59	235520	501.494	ug/l	99
12) 1,1-Dichloroethene	3.88	96	417398	103.709	ug/l	98
13) Acrolein	3.74	56	204394	484.574	ug/l	100
14) Allyl chloride	4.49	41	751834	106.993	ug/l	99
15) Acrylonitrile	5.18	53	672301	537.124	ug/l	100
16) Acetone	3.96	43	608300	559.690	ug/l	100
17) Carbon Disulfide	4.20	76	1337934	104.046	ug/l	99
18) Methyl Acetate	4.48	43	307955	105.171	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	1271421	108.376	ug/l	99
20) Methylene Chloride	4.72	84	482499	79.539	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	472351	103.756	ug/l	98
22) Diisopropyl ether	6.13	45	1605463	106.598	ug/l	99
23) Vinyl Acetate	6.07	43	5516262	547.831	ug/l	100
24) 1,1-Dichloroethane	6.03	63	863660	104.977	ug/l	100
25) 2-Butanone	7.00	43	947962	549.075	ug/l	98
26) 2,2-Dichloropropane	6.99	77	761450	101.869	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	531372	104.064	ug/l	100
28) Bromochloromethane	7.34	49	405661	110.818	ug/l	98
29) Tetrahydrofuran	7.35	42	627039	546.150	ug/l	100
30) Chloroform	7.52	83	845542	103.741	ug/l	100
31) Cyclohexane	7.79	56	799621	98.659	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	778098	104.587	ug/l	99
36) 1,1-Dichloropropene	7.93	75	681483	103.945	ug/l	100
37) Ethyl Acetate	7.08	43	428672	108.747	ug/l	100
38) Carbon Tetrachloride	7.91	117	717279	105.153	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	855756	105.276	ug/l	98
40) Benzene	8.17	78	1877039	104.576	ug/l	99
41) Methacrylonitrile	7.35	41	579634	119.884	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	603940	106.360	ug/l	99
43) Isopropyl Acetate	8.28	43	819611	109.372	ug/l	99
44) Trichloroethene	8.94	130	545343	104.533	ug/l	99
45) 1,2-Dichloropropane	9.22	63	511857	105.998	ug/l	96
46) Dibromomethane	9.31	93	282851	104.875	ug/l	99
47) Bromodichloromethane	9.50	83	700481	106.068	ug/l	98
48) Methyl methacrylate	9.30	41	377812	110.764	ug/l	99
49) 1,4-Dioxane	9.30	88	72550	2203.638	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	2140241	552.574	ug/l	100
52) Toluene	10.24	92	1180900	104.514	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	752277	108.649	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	844112	106.599	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	398558	106.345	ug/l	99
56) Ethyl methacrylate	10.51	69	603463	111.235	ug/l	98
57) 1,3-Dichloropropane	10.79	76	699295	106.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1524196	547.800	ug/l	100
59) 2-Hexanone	10.83	43	1520513	561.646	ug/l	99
60) Dibromochloromethane	10.99	129	511906	106.732	ug/l	99
61) 1,2-Dibromoethane	11.09	107	394082	106.659	ug/l	98
64) Tetrachloroethene	10.72	164	553599	104.723	ug/l	98
65) Chlorobenzene	11.52	112	1283629	104.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	513995	106.894	ug/l	99
67) Ethyl Benzene	11.59	91	2374438	105.383	ug/l	99
68) m/p-Xylenes	11.70	106	1769890	211.058	ug/l	99
69) o-Xylene	12.03	106	835356	105.713	ug/l	99
70) Styrene	12.04	104	1447750	107.242	ug/l	99
71) Bromoform	12.20	173	345476	107.750	ug/l #	100
73) Isopropylbenzene	12.33	105	2256106	106.430	ug/l	99
74) N-amyl acetate	12.14	43	766726	111.105	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	460837	107.727	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	647747	117.000	ug/l #	100
77) Bromobenzene	12.61	156	572162	105.271	ug/l	99
78) n-propylbenzene	12.67	91	2687963	105.437	ug/l	100
79) 2-Chlorotoluene	12.75	91	1508782	106.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1882712	105.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	180803	109.734	ug/l	97
82) 4-Chlorotoluene	12.86	91	1567445	105.797	ug/l	100
83) tert-Butylbenzene	13.08	119	1645648	105.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1904978	106.279	ug/l	100
85) sec-Butylbenzene	13.25	105	2244050	104.234	ug/l	100
86) p-Isopropyltoluene	13.37	119	2111886	105.864	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1084317	106.858	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1043718	104.310	ug/l	100
89) n-Butylbenzene	13.70	91	1994771	104.510	ug/l	99
90) Hexachloroethane	13.96	117	421472	106.397	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	956250	105.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	82491	108.931	ug/l	99

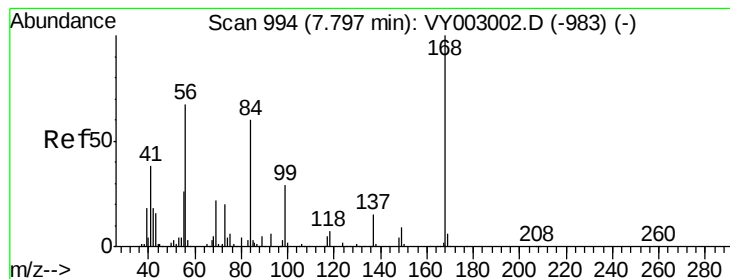
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	712638	105.341	ug/l	99
94) Hexachlorobutadiene	15.11	225	436667	102.332	ug/l	98
95) Naphthalene	15.23	128	1345670	108.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	620841	105.687	ug/l	100

(#) = 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: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

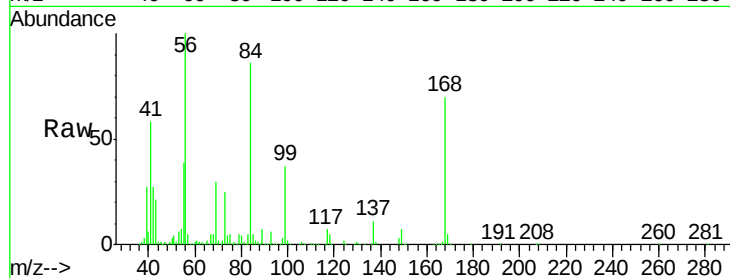
VSTDIC100

Tgt Ion:168 Resp: 463982

Ion Ratio Lower Upper

168 100

99 53.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003003.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003003.D (-983) (-)

7.80

200000

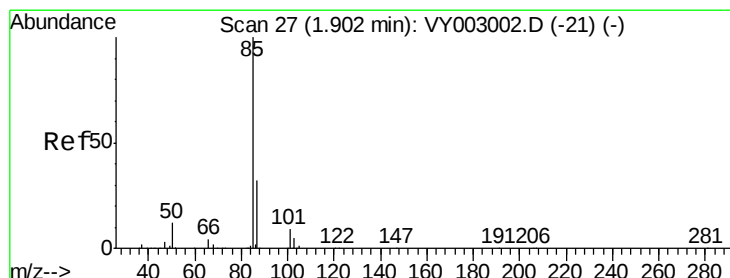
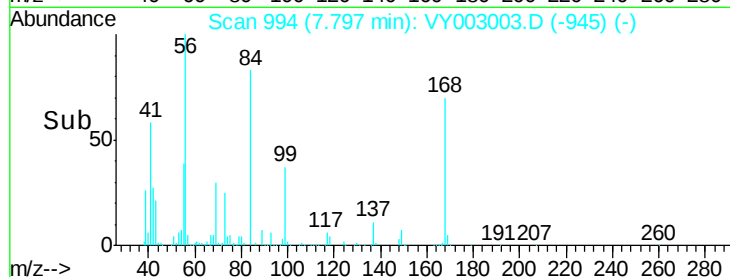
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 104.632 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY003003.D

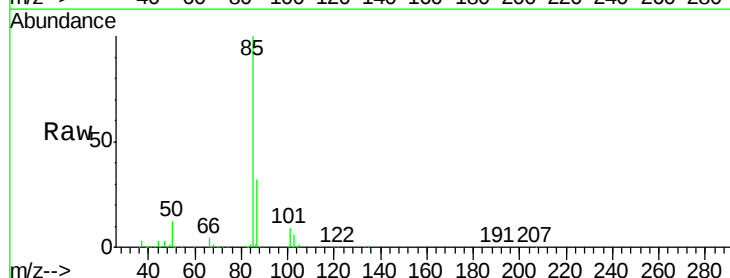
Acq: 29 Jun 2020 12:40

Tgt Ion: 85 Resp: 367664

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY003003.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003003.D (-21) (-)

1.90

250000

200000

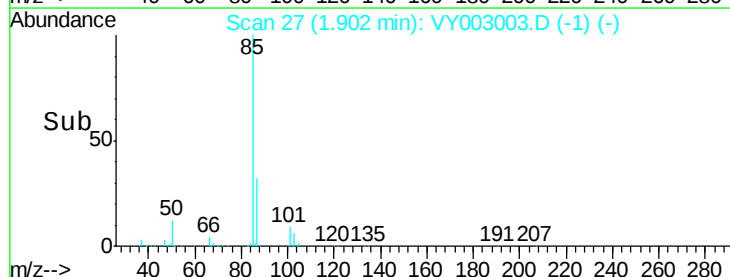
150000

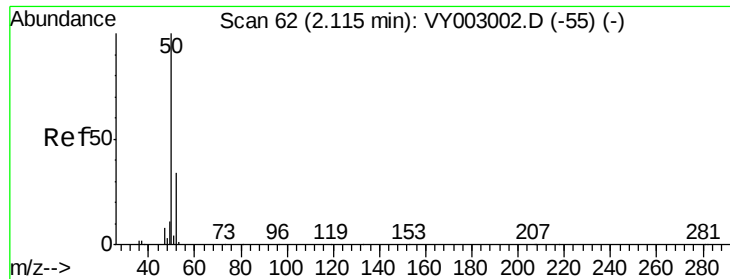
100000

50000

0

Time-->





#3

Chloromethane

Concen: 95.634 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

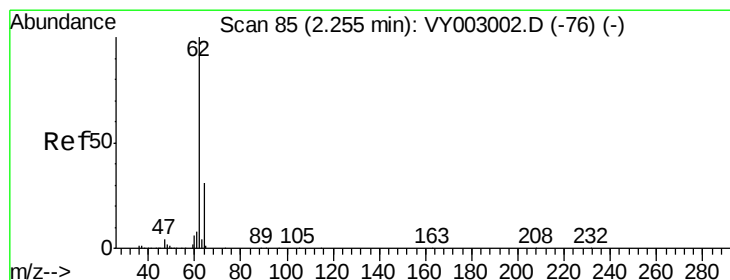
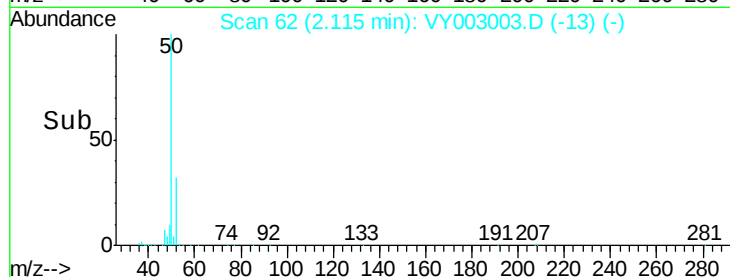
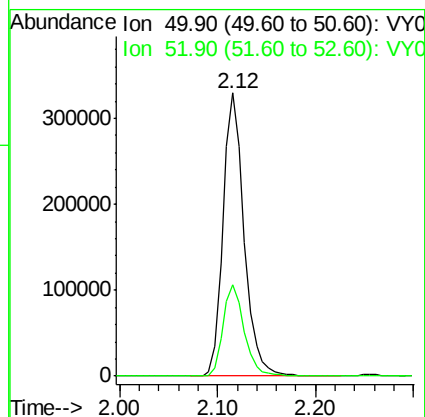
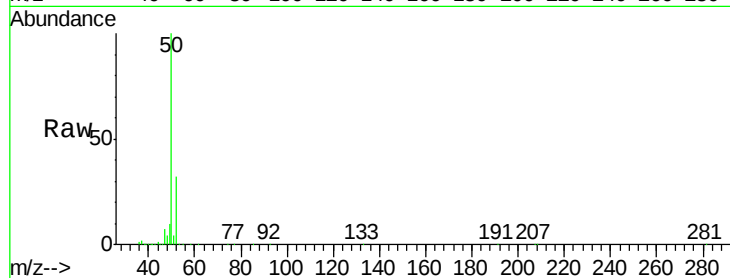
VSTDIC100

Tgt Ion: 50 Resp: 492096

Ion Ratio Lower Upper

50 100

52 32.3 26.9 40.3



#4

Vinyl Chloride

Concen: 105.481 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003003.D

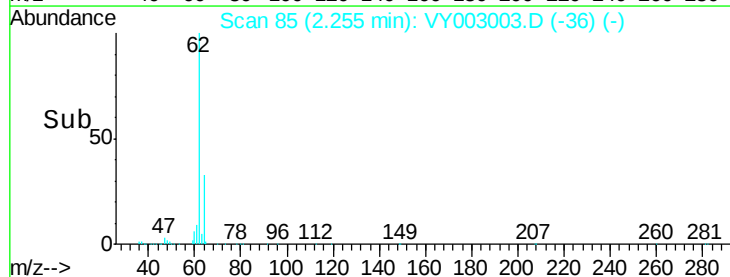
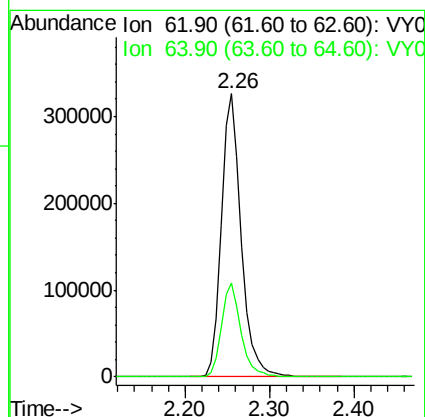
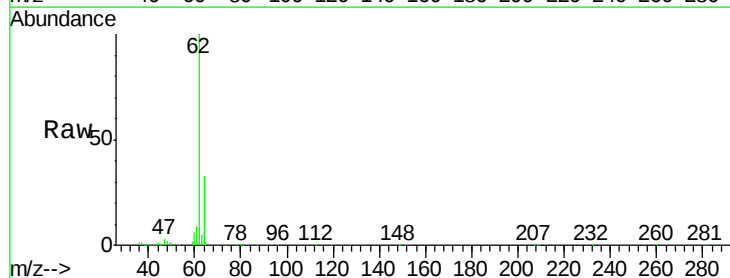
Acq: 29 Jun 2020 12:40

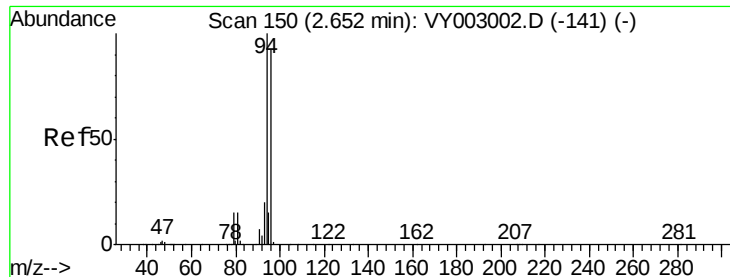
Tgt Ion: 62 Resp: 529433

Ion Ratio Lower Upper

62 100

64 33.2 24.4 36.6





#5

Bromomethane

Concen: 106.086 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

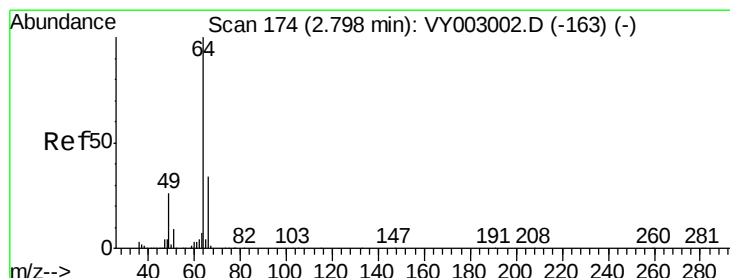
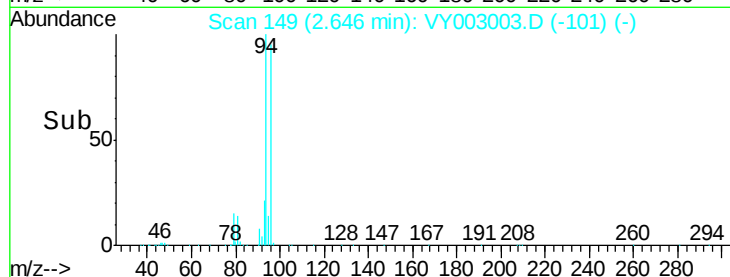
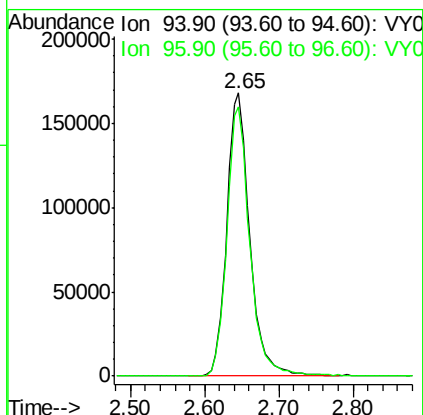
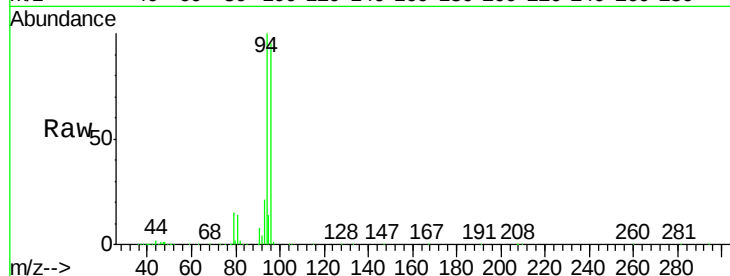
VSTDICC100

Tgt Ion: 94 Resp: 361531

Ion Ratio Lower Upper

94 100

96 95.1 73.4 110.2



#6

Chloroethane

Concen: 103.485 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY003003.D

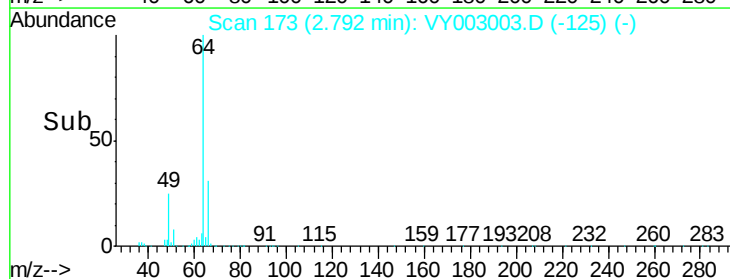
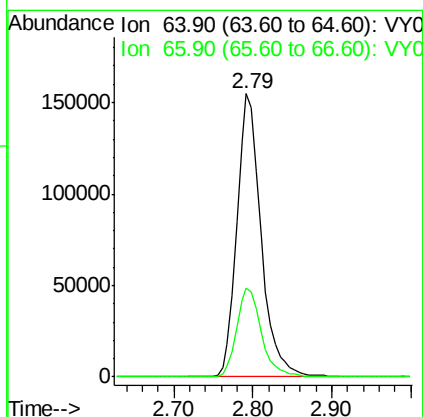
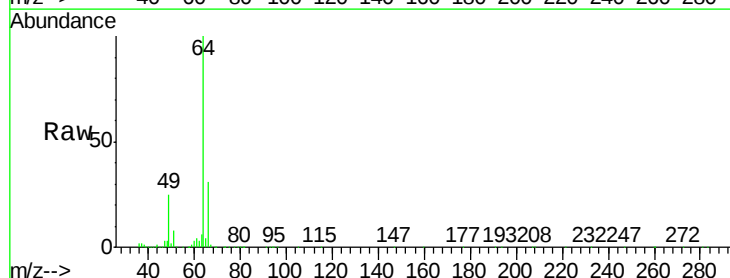
Acq: 29 Jun 2020 12:40

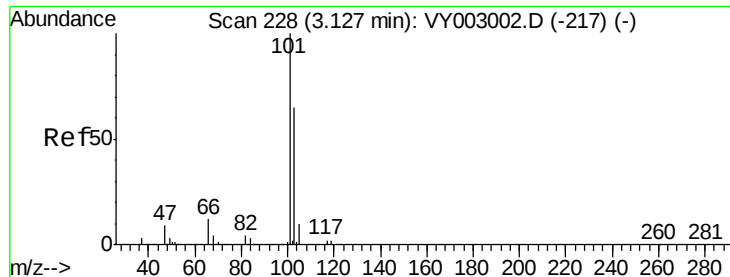
Tgt Ion: 64 Resp: 330426

Ion Ratio Lower Upper

64 100

66 31.4 27.0 40.4



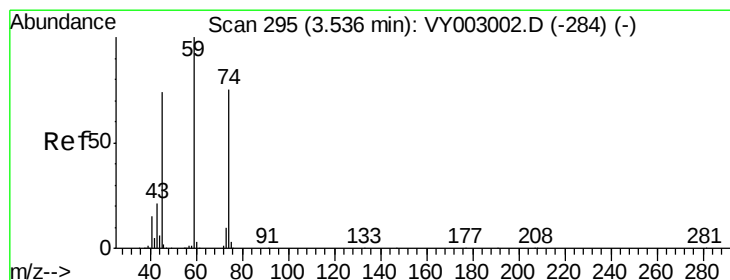
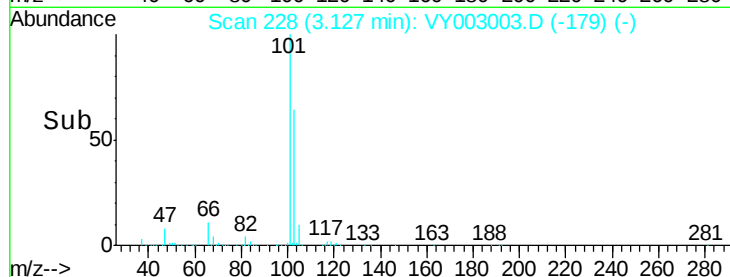
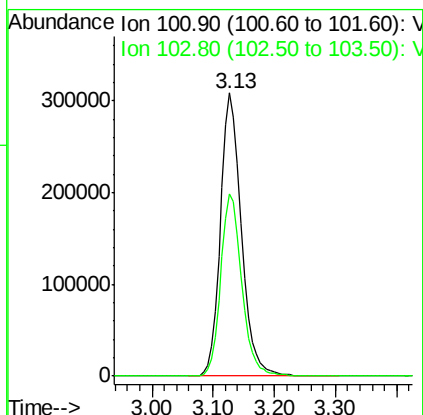
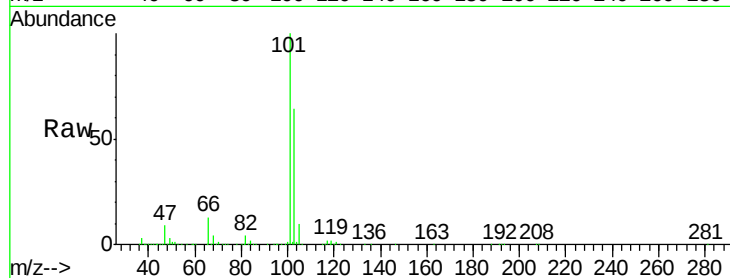


#7

Trichlorofluoromethane
Concen: 103.680 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

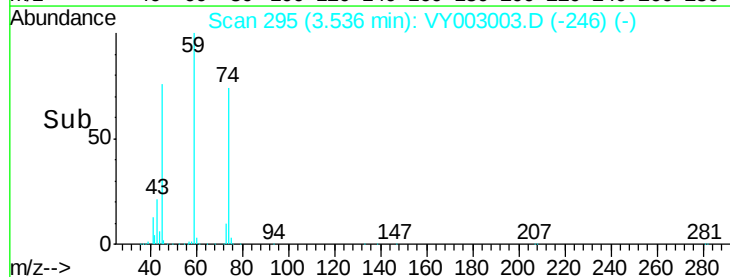
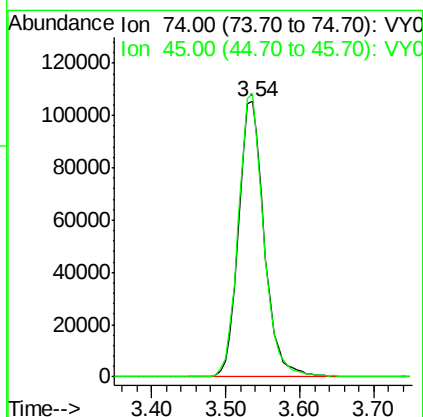
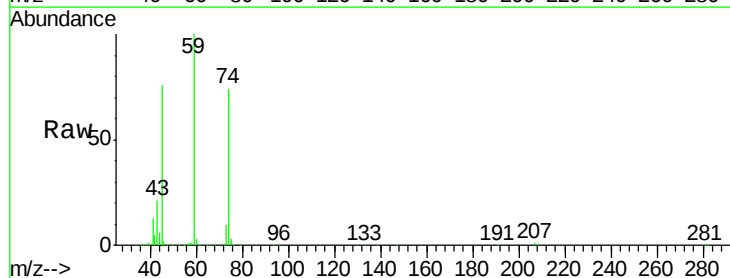
Tgt Ion:101 Resp: 734502
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4

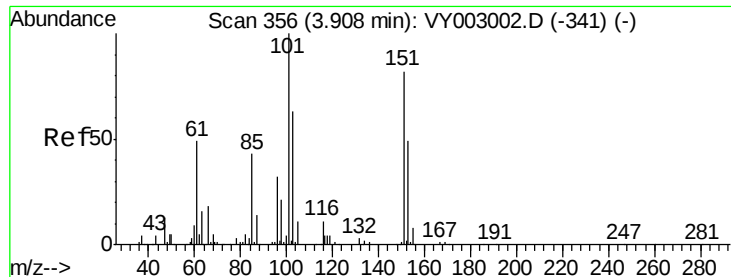


#8

Diethyl Ether
Concen: 105.398 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 74 Resp: 255974
Ion Ratio Lower Upper
74 100
45 101.4 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.788 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

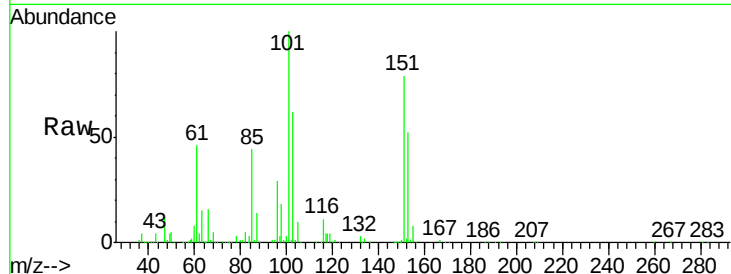
Tgt Ion:101 Resp: 439022

Ion Ratio Lower Upper

101 100

85 44.1 35.5 53.3

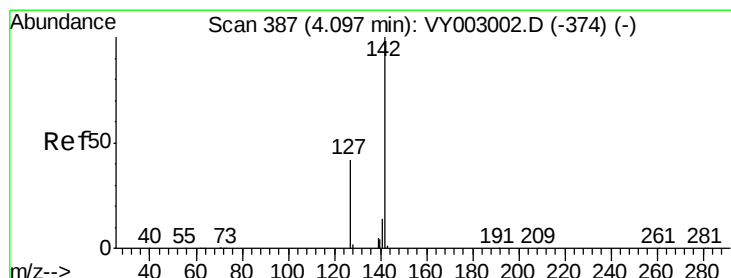
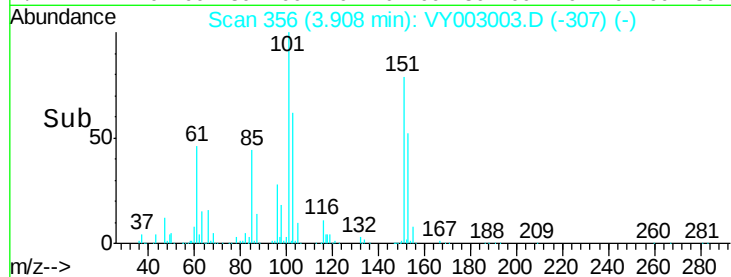
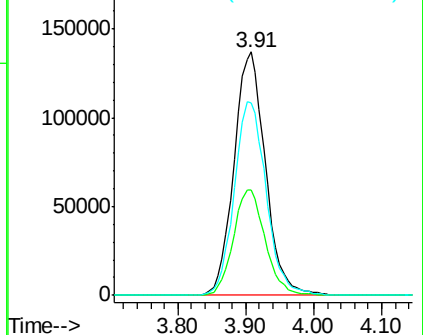
151 81.1 65.5 98.3



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: 108.369 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

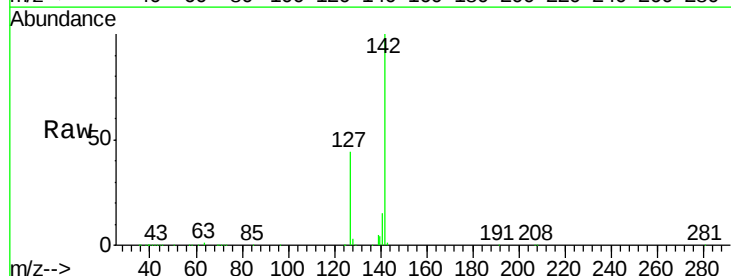
Tgt Ion:142 Resp: 568412

Ion Ratio Lower Upper

142 100

127 43.3 34.2 51.2

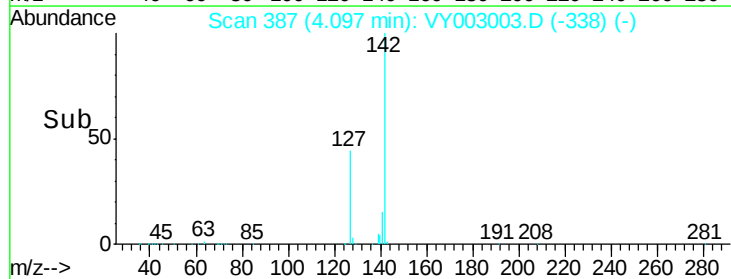
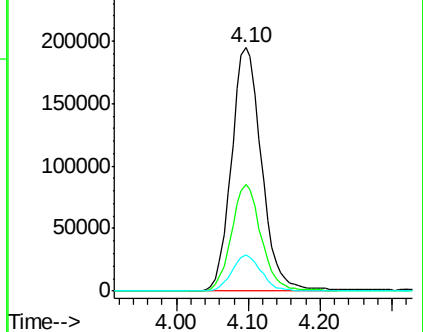
141 14.5 11.7 17.5

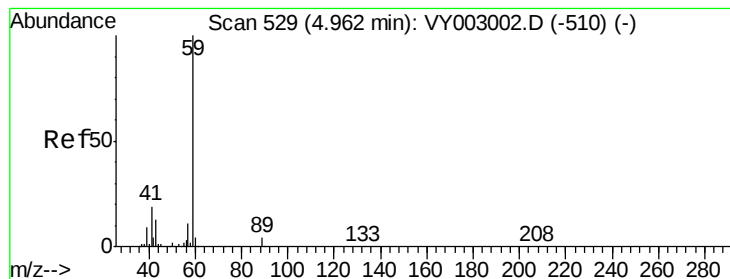


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



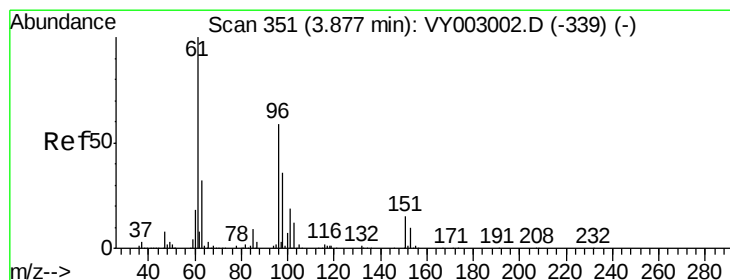
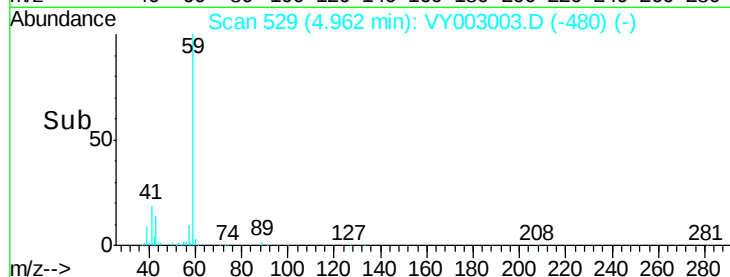
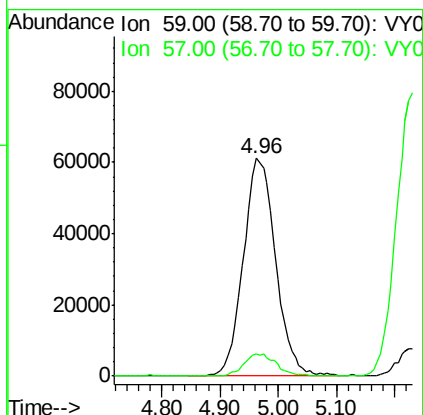
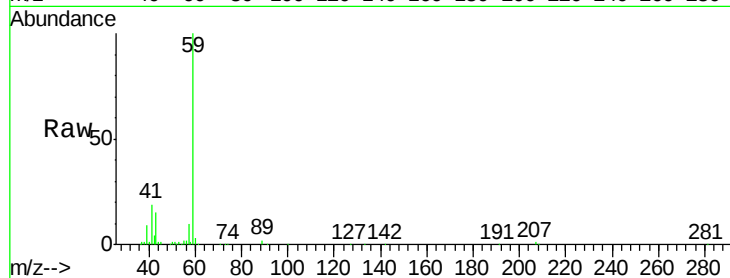


#11

Tert butyl alcohol
 Concen: 501.494 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

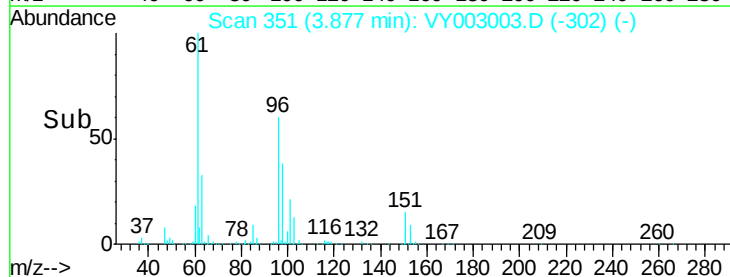
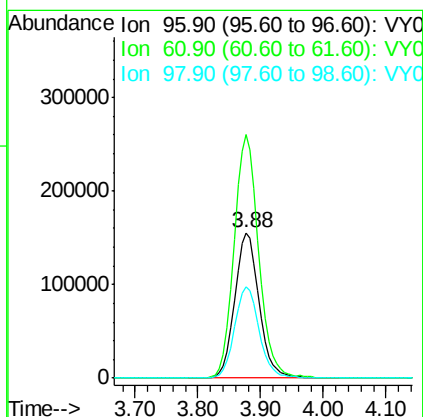
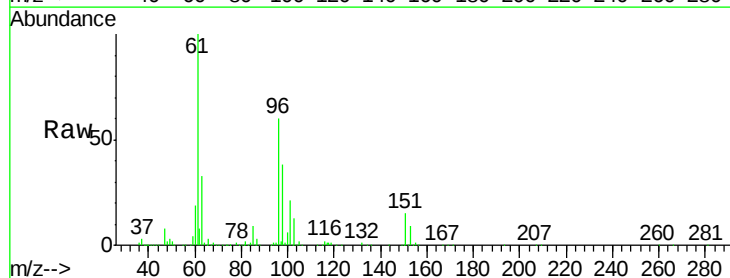
Tgt Ion: 59 Resp: 235520
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.0 12.0

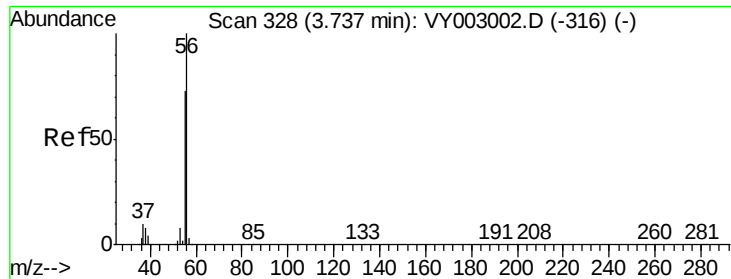


#12

1,1-Dichloroethene
 Concen: 103.709 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion: 96 Resp: 417398
 Ion Ratio Lower Upper
 96 100
 61 167.2 136.7 205.1
 98 63.0 49.7 74.5





#13

Acrolein

Concen: 484.574 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

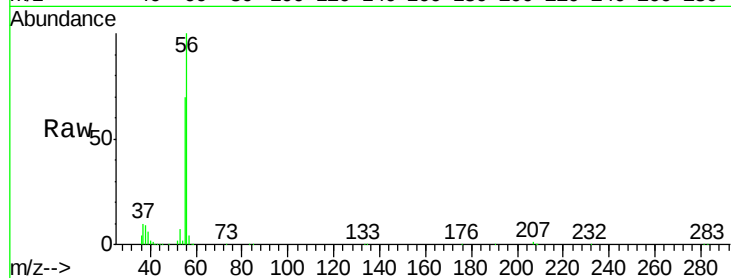
VSTDIC100

Tgt Ion: 56 Resp: 204394

Ion Ratio Lower Upper

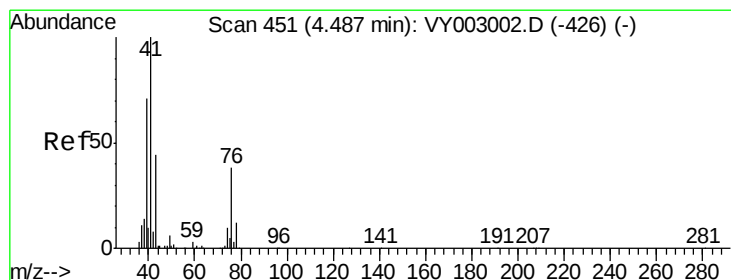
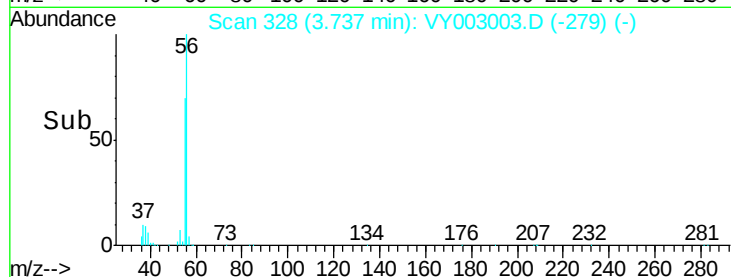
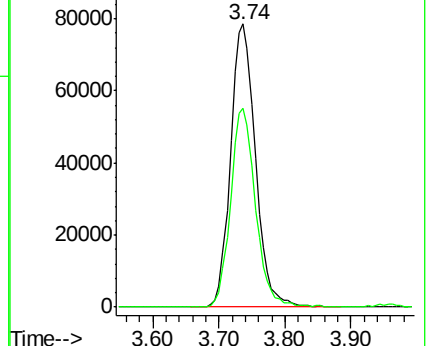
56 100

55 70.6 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 106.993 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

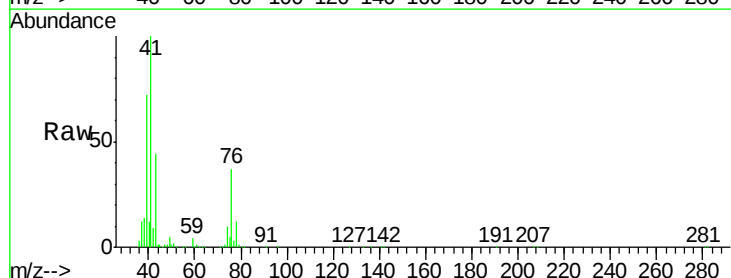
Tgt Ion: 41 Resp: 751834

Ion Ratio Lower Upper

41 100

39 68.5 55.6 83.4

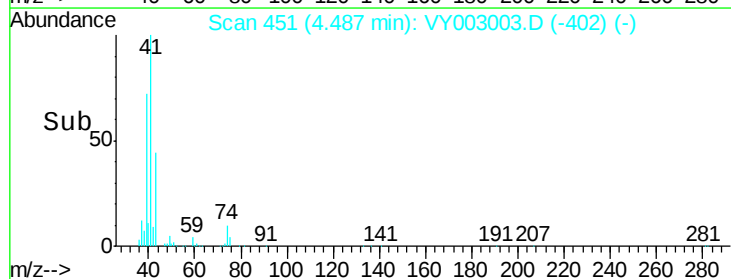
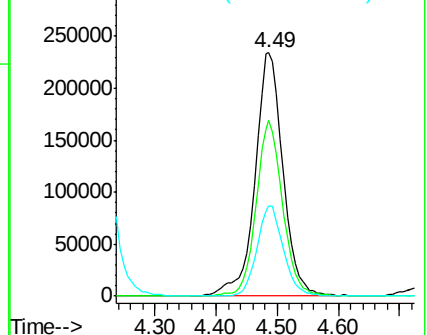
76 34.8 28.6 43.0

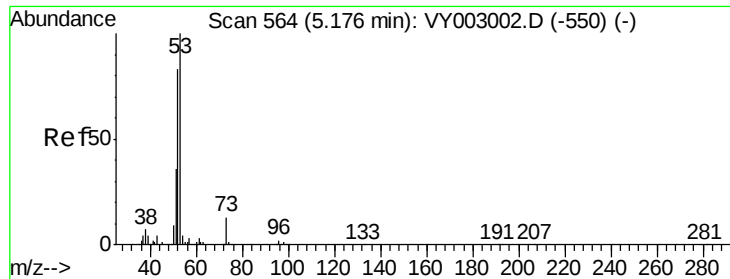


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 537.124 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC100

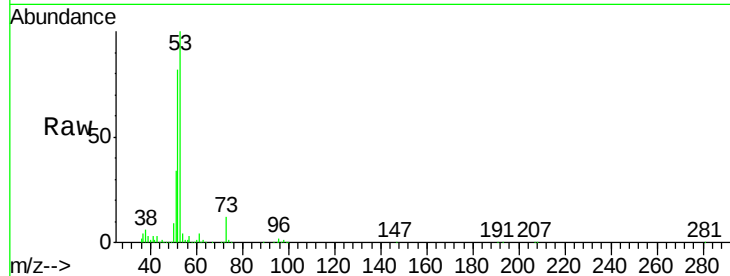
Tgt Ion: 53 Resp: 672301

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

51 36.5 29.5 44.3

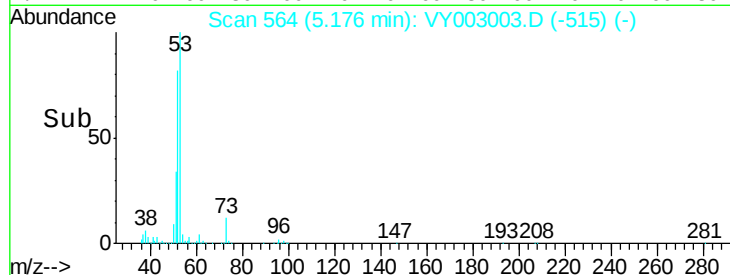


Abundance Ion 53.00 (52.70 to 53.70): VY003002.D (-550) (-)

Ion 52.00 (51.70 to 52.70): VY003002.D (-550) (-)

Ion 51.00 (50.70 to 51.70): VY003002.D (-550) (-)

Time-->

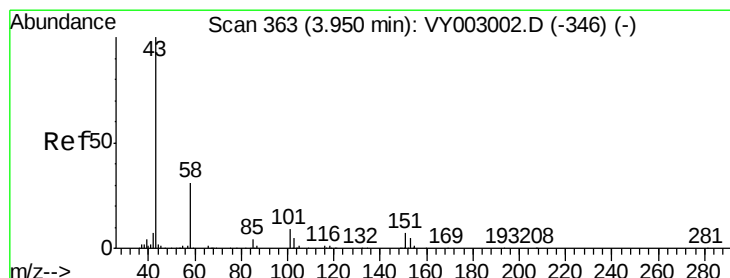


Abundance Ion 53.00 (52.70 to 53.70): VY003003.D (-515) (-)

Ion 52.00 (51.70 to 52.70): VY003003.D (-515) (-)

Ion 51.00 (50.70 to 51.70): VY003003.D (-515) (-)

Time-->



#16

Acetone

Concen: 559.690 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003003.D

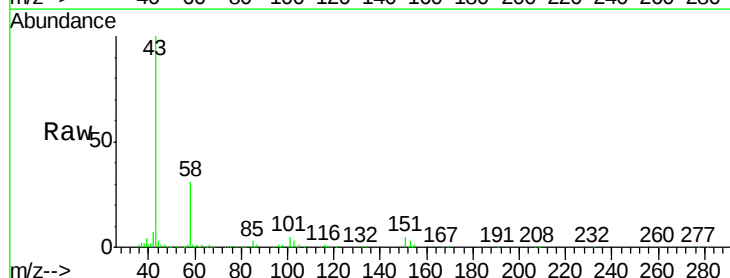
Acq: 29 Jun 2020 12:40

Tgt Ion: 43 Resp: 608300

Ion Ratio Lower Upper

43 100

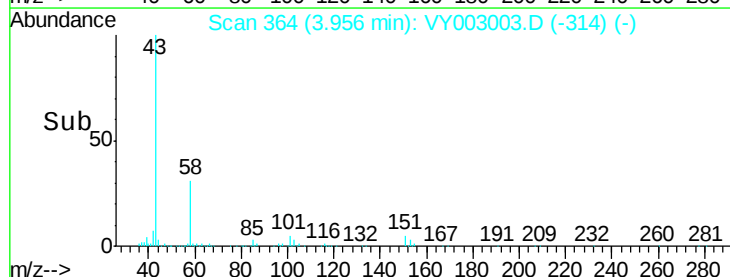
58 30.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003002.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VY003002.D (-346) (-)

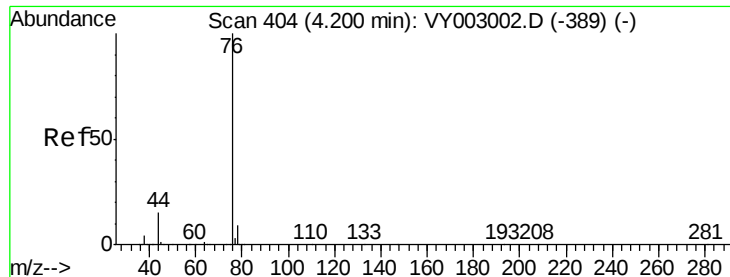
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VY003003.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003003.D (-314) (-)

Time-->



#17

Carbon Disulfide

Concen: 104.046 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

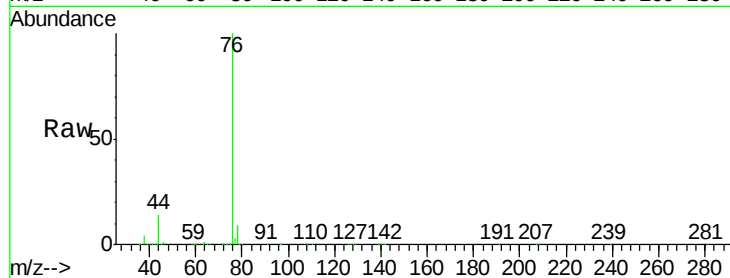
VSTDICC100

Tgt Ion: 76 Resp: 1337934

Ion Ratio Lower Upper

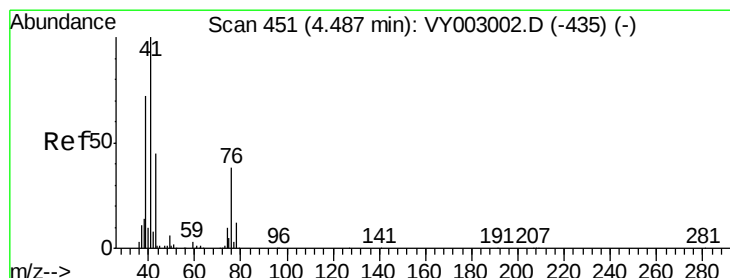
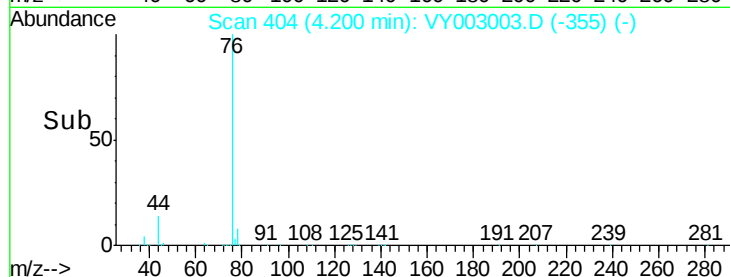
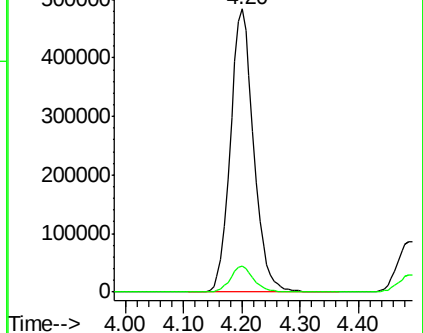
76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 105.171 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003003.D

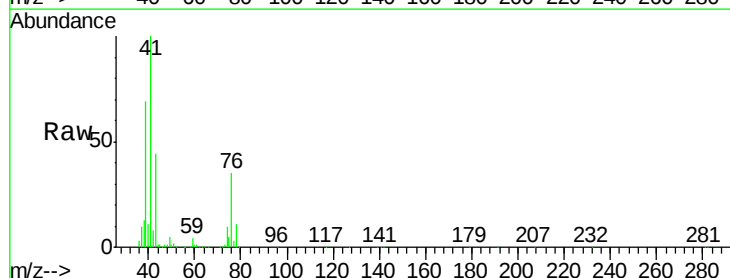
Acq: 29 Jun 2020 12:40

Tgt Ion: 43 Resp: 307955

Ion Ratio Lower Upper

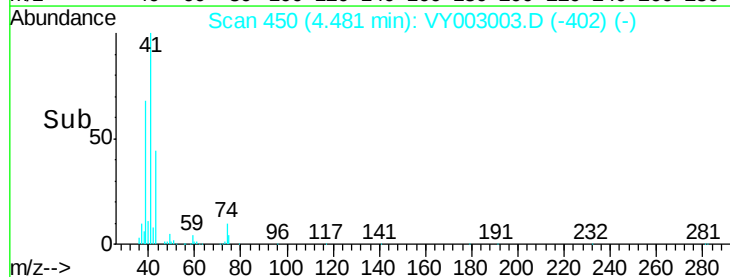
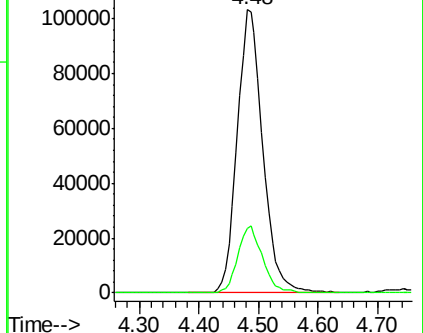
43 100

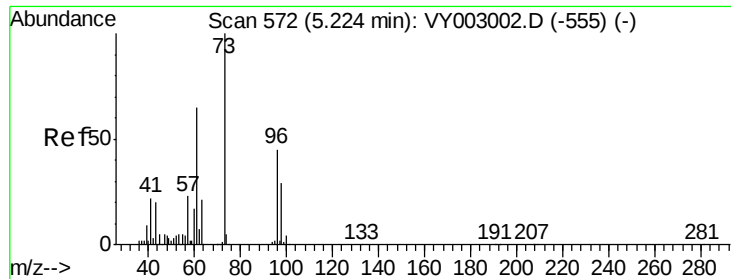
74 22.9 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

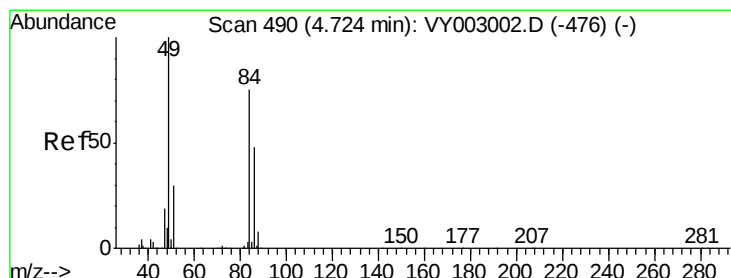
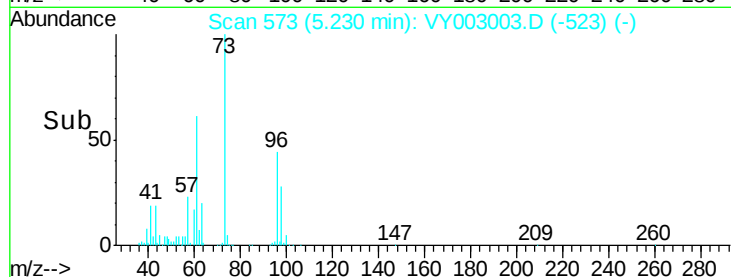
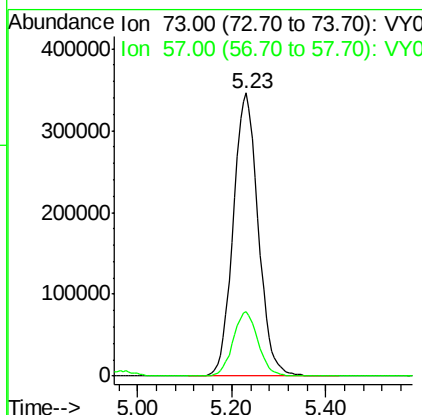
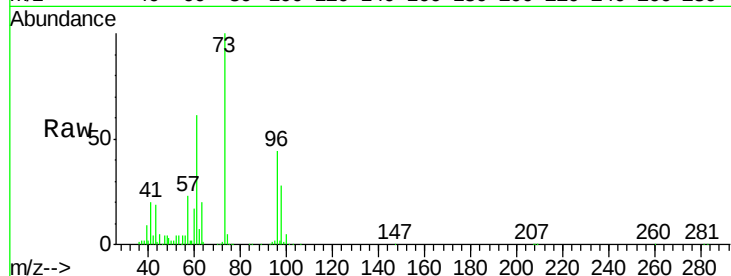




#19
Methyl tert-butyl Ether
Concen: 108.376 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

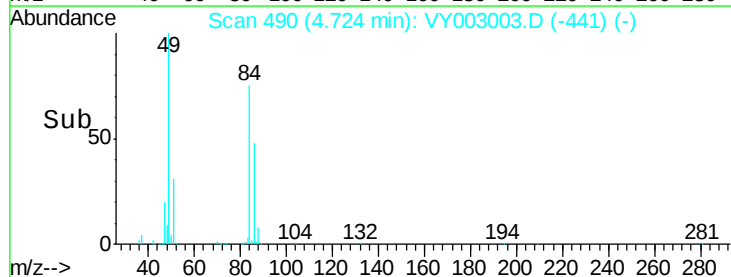
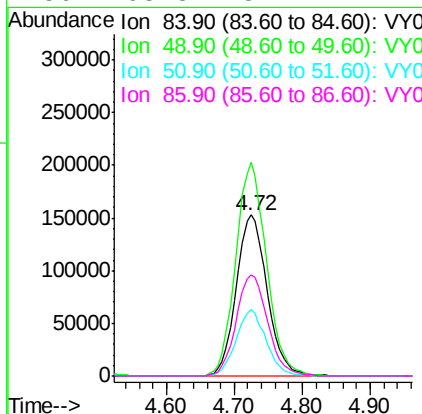
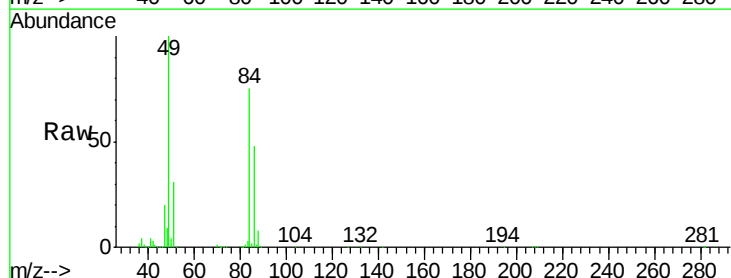
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

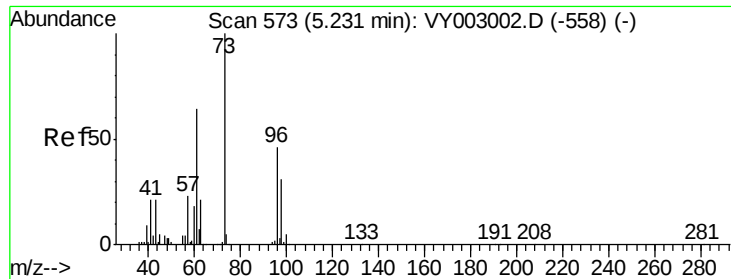
Tgt Ion: 73 Resp: 1271421
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.2



#20
Methylene Chloride
Concen: 79.539 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 84 Resp: 482499
Ion Ratio Lower Upper
84 100
49 132.8 106.8 160.2
51 41.1 32.0 48.0
86 63.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 103.756 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

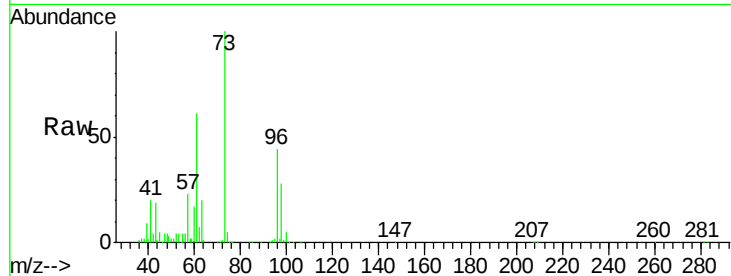
Tgt Ion: 96 Resp: 472351

Ion Ratio Lower Upper

96 100

61 139.3 112.3 168.5

98 63.1 53.8 80.8

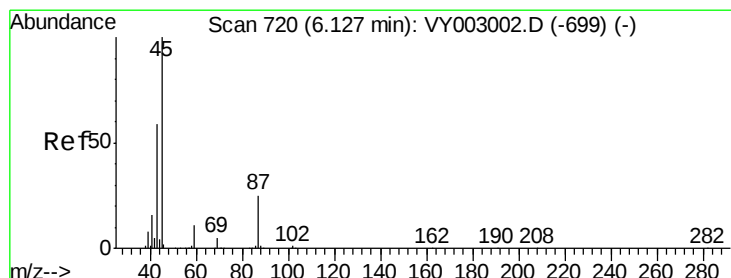
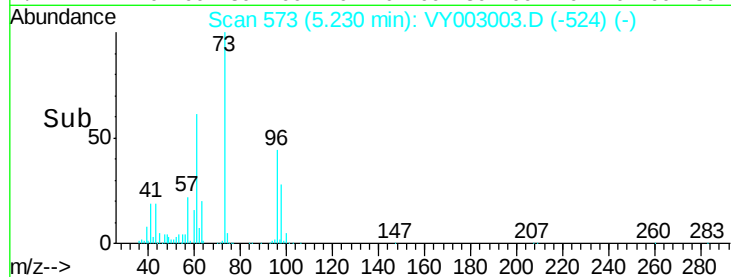
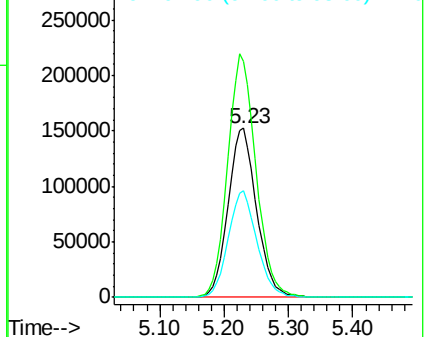


Abundance

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: 106.598 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion: 45 Resp: 1605463

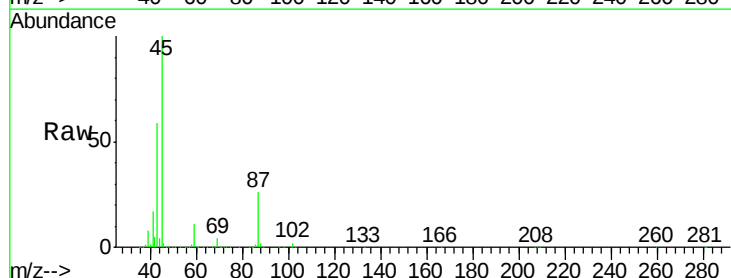
Ion Ratio Lower Upper

45 100

43 58.6 47.4 71.2

87 25.6 20.2 30.2

59 11.0 9.2 13.8



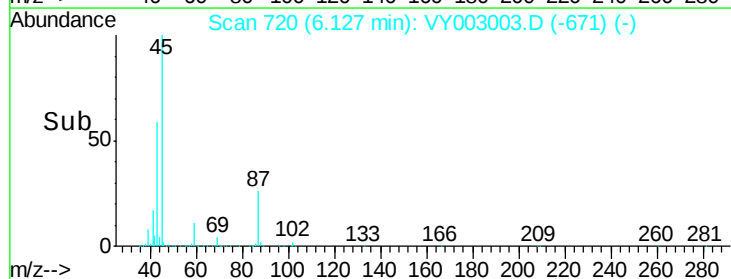
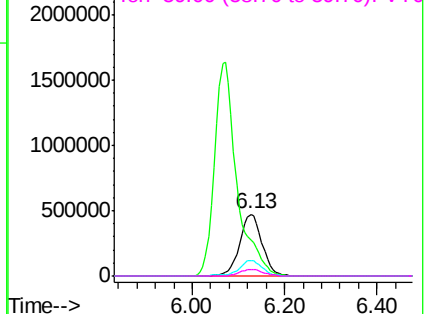
Abundance

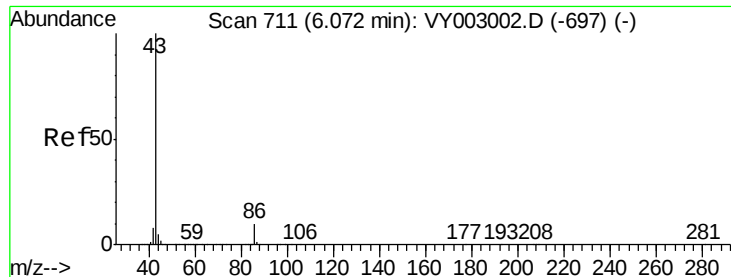
Ion 45.00 (44.70 to 45.70): VY0

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: 547.831 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

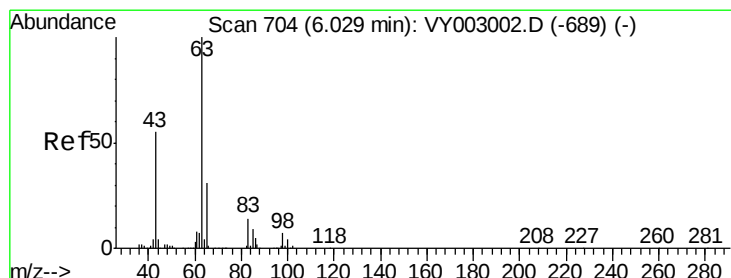
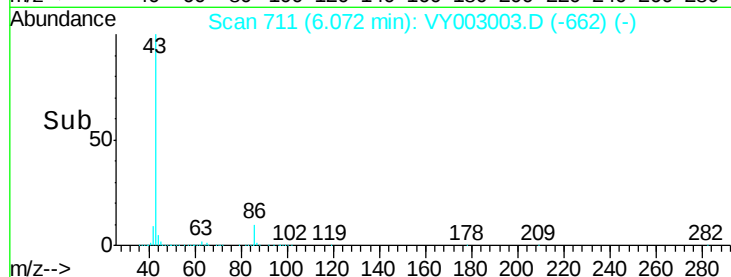
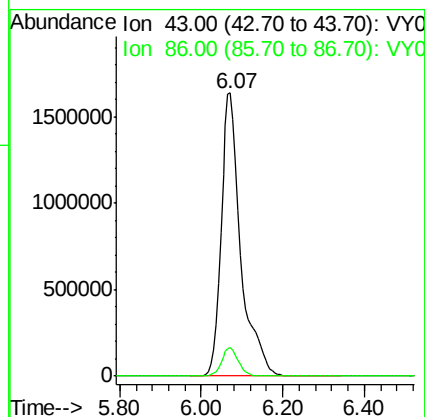
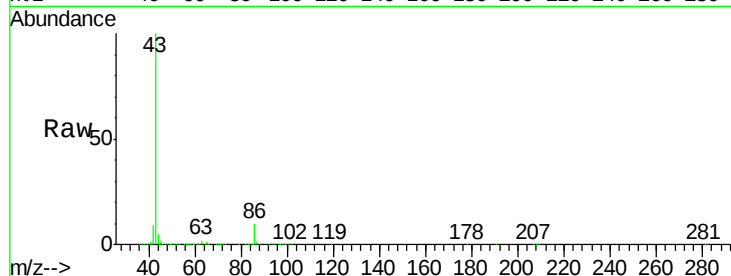
VSTDIC100

Tgt Ion: 43 Resp: 5516262

Ion Ratio Lower Upper

43 100

86 9.9 8.1 12.1



#24

1,1-Dichloroethane

Concen: 104.977 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

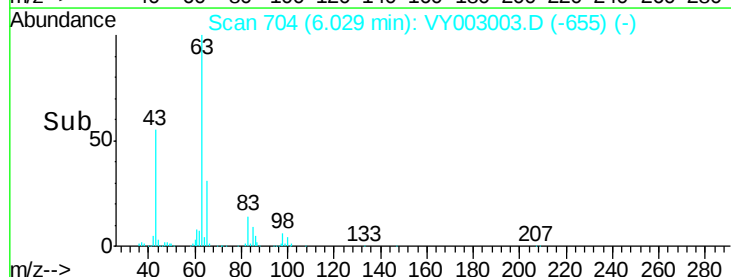
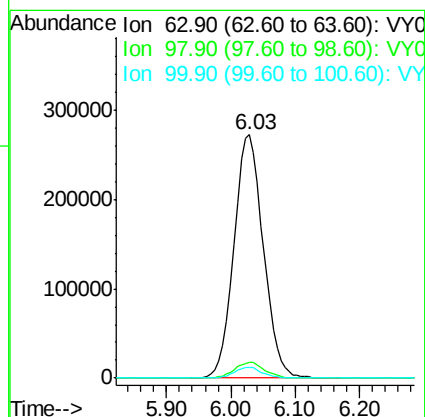
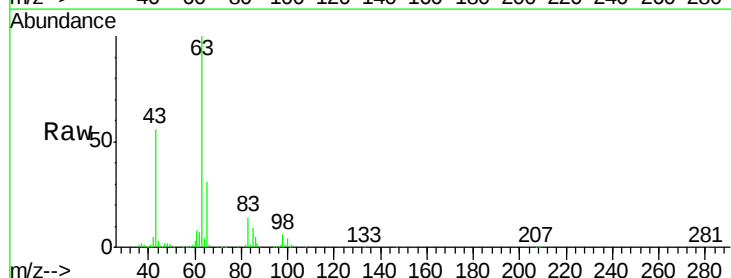
Tgt Ion: 63 Resp: 863660

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 549.075 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

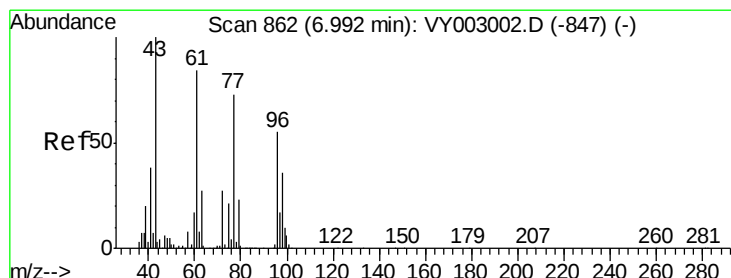
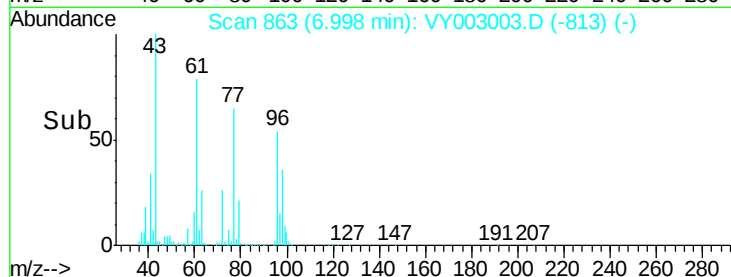
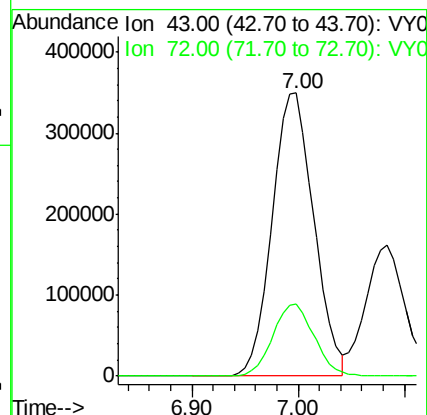
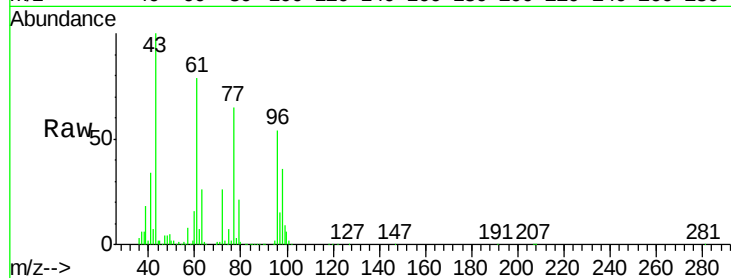
VSTDIC100

Tgt Ion: 43 Resp: 947962

Ion Ratio Lower Upper

43 100

72 25.6 21.4 32.0



#26

2,2-Dichloropropane

Concen: 101.869 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003003.D

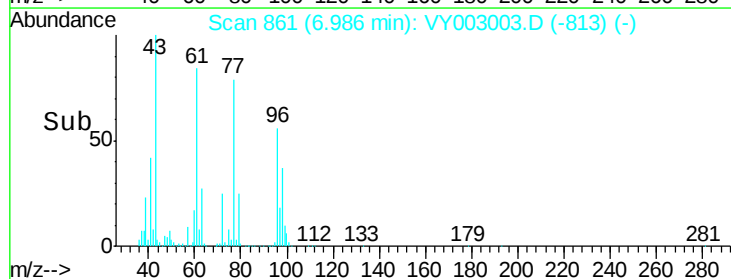
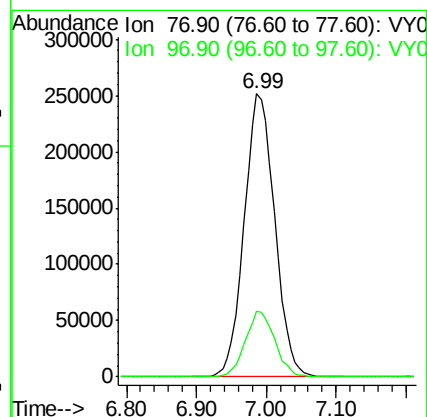
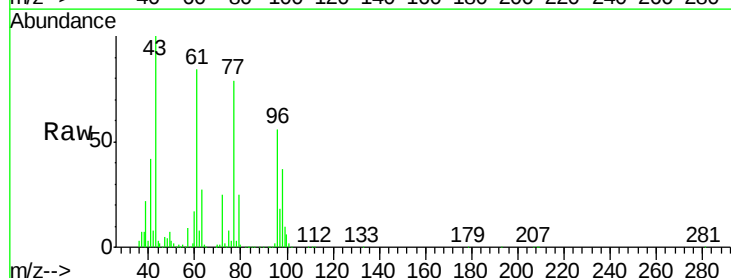
Acq: 29 Jun 2020 12:40

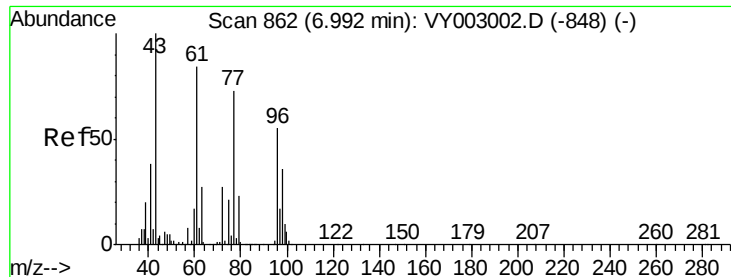
Tgt Ion: 77 Resp: 761450

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9



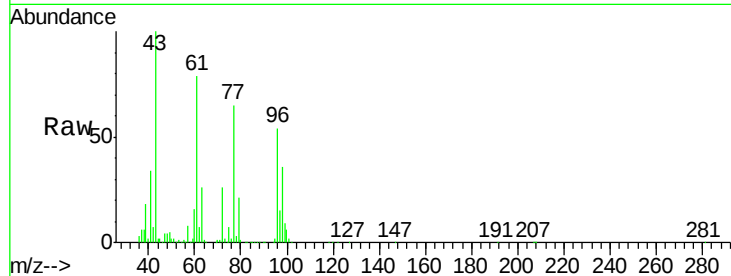


#27

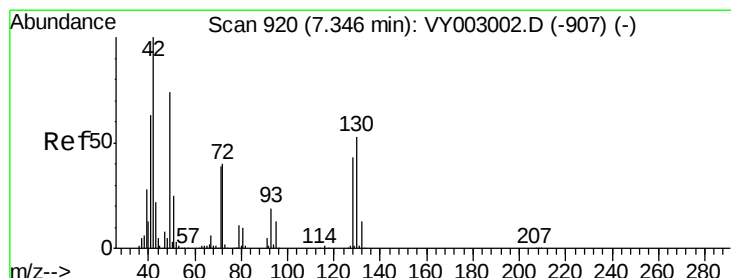
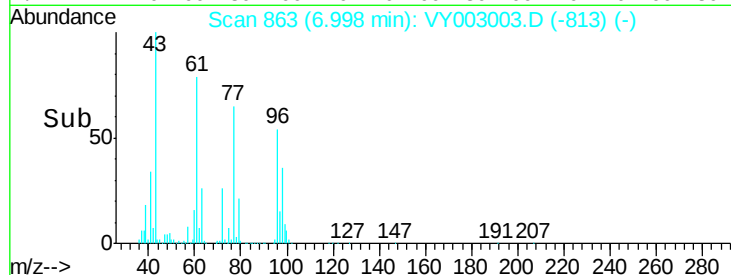
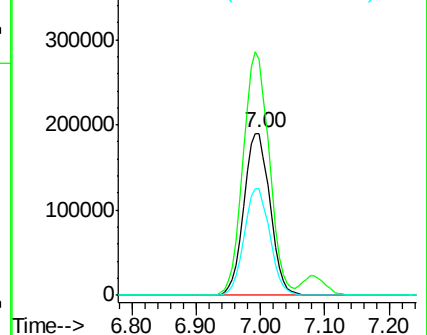
cis-1,2-Dichloroethene
Concen: 104.064 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 531372
Ion Ratio Lower Upper
96 100
61 150.4 0.0 301.2
98 64.8 0.0 129.0



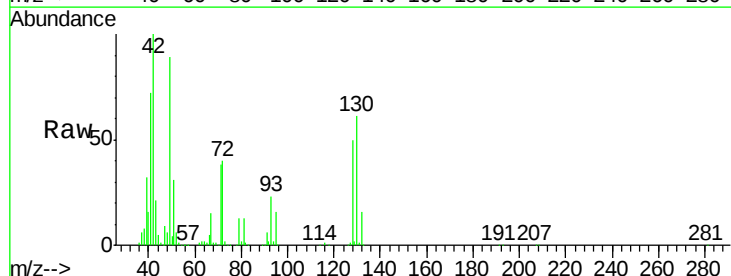
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



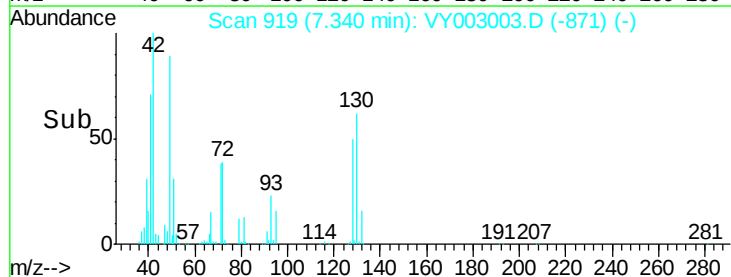
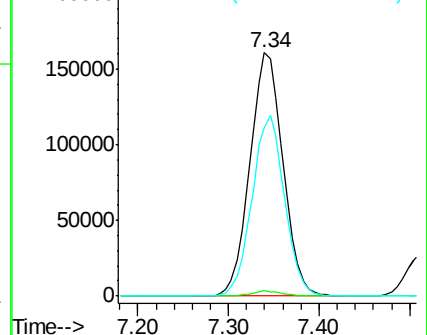
#28

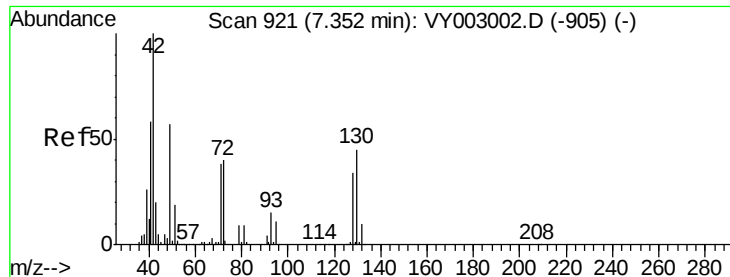
Bromochloromethane
Concen: 110.818 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 49 Resp: 405661
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.4
130 72.9 57.0 85.6



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





#29

Tetrahydrofuran

Concen: 546.150 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

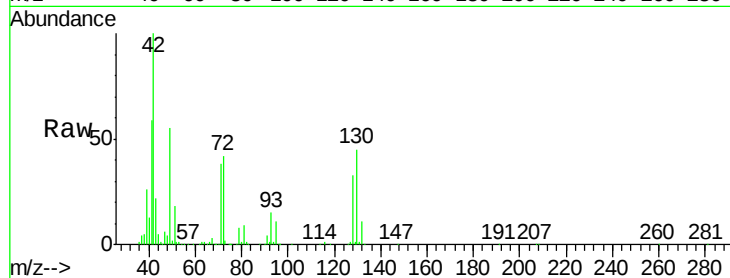
Tgt Ion: 42 Resp: 627039

Ion Ratio Lower Upper

42 100

72 41.1 32.9 49.3

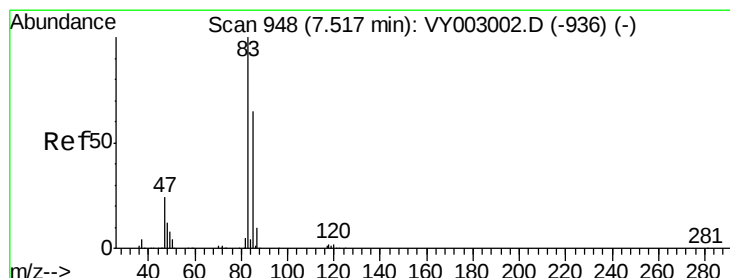
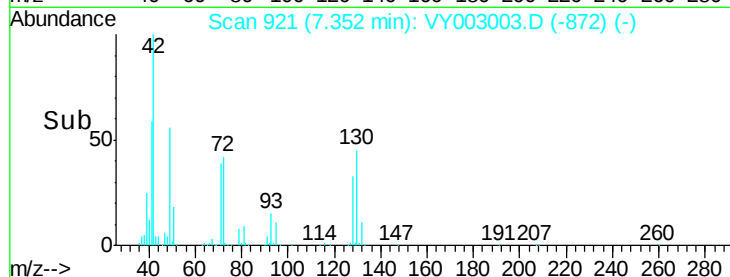
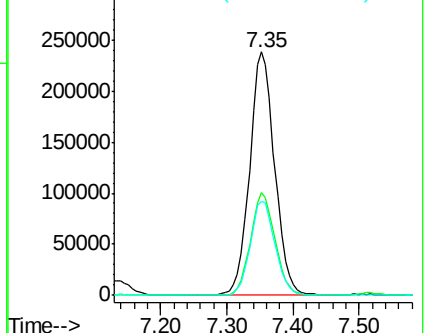
71 38.5 31.2 46.8



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: 103.741 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.00 min

Lab File: VY003003.D

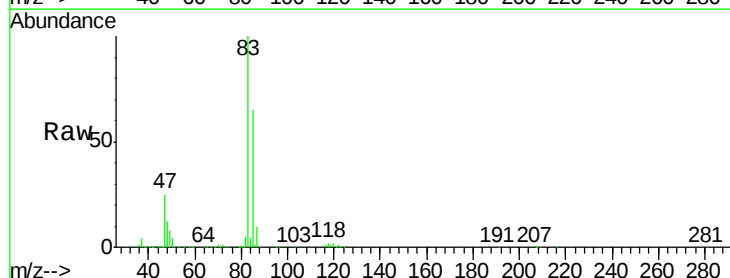
Acq: 29 Jun 2020 12:40

Tgt Ion: 83 Resp: 845542

Ion Ratio Lower Upper

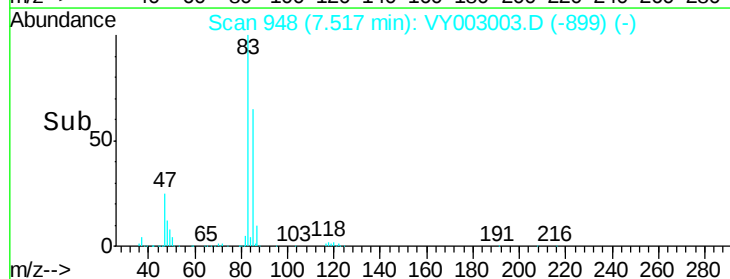
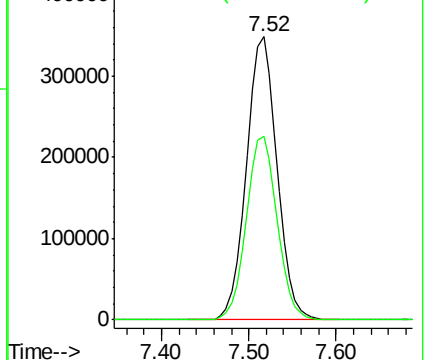
83 100

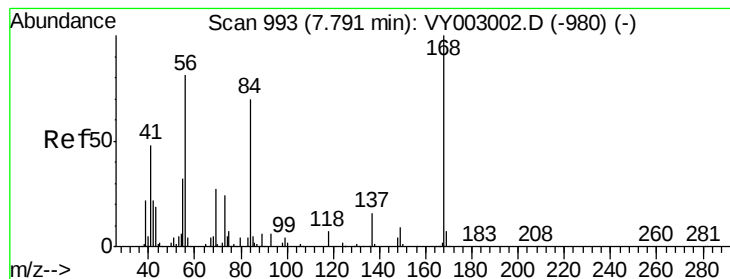
85 64.7 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 98.659 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC100

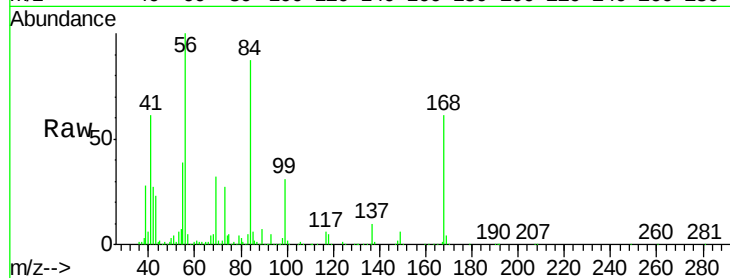
Tgt Ion: 56 Resp: 799621

Ion Ratio Lower Upper

56 100

69 32.0 27.0 40.4

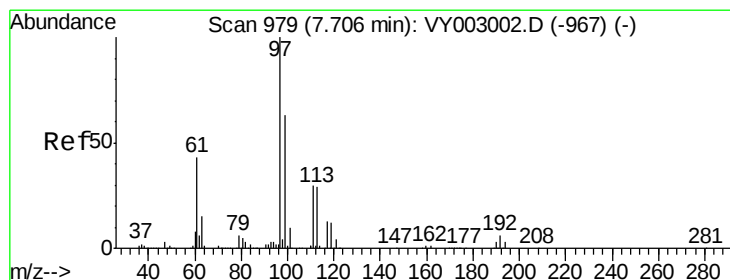
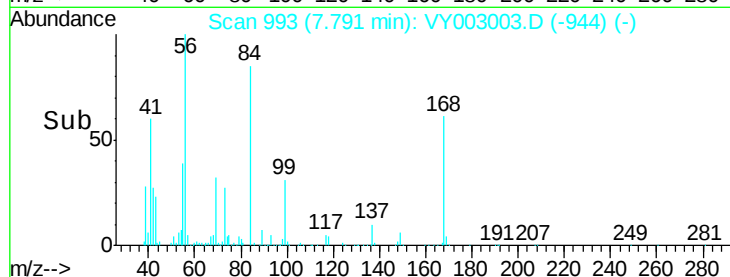
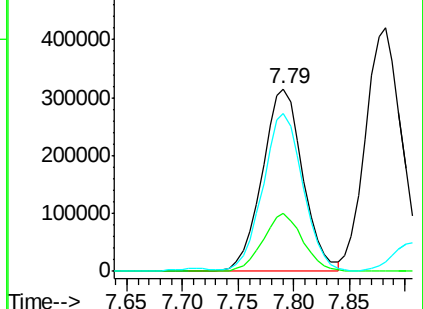
84 85.1 68.1 102.1



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: 104.587 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

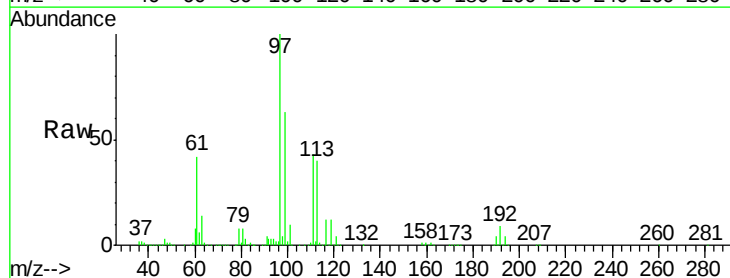
Tgt Ion: 97 Resp: 778098

Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.2

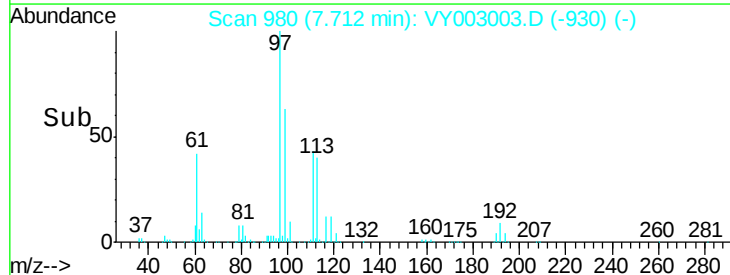
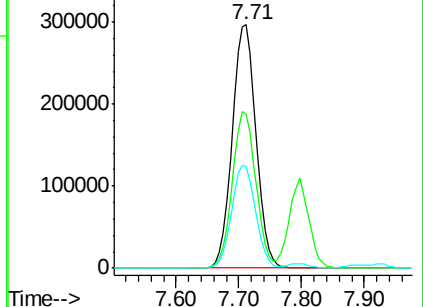
61 42.5 33.9 50.9

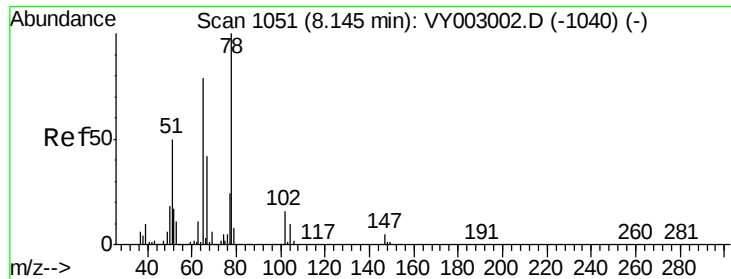


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

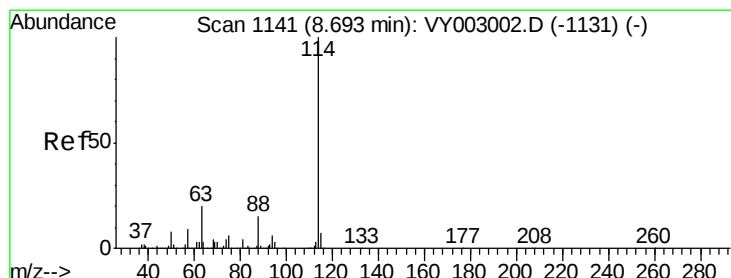
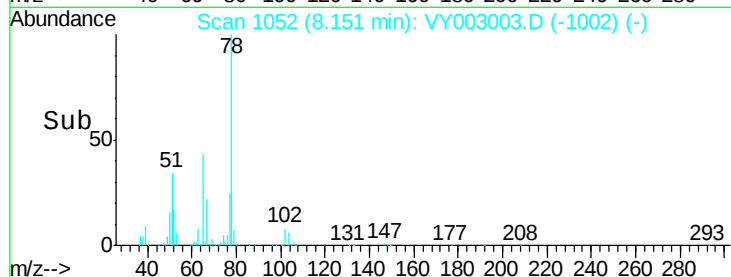
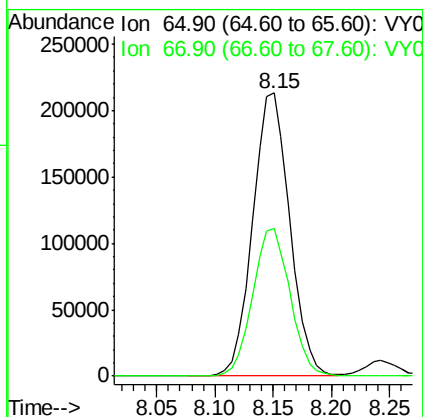
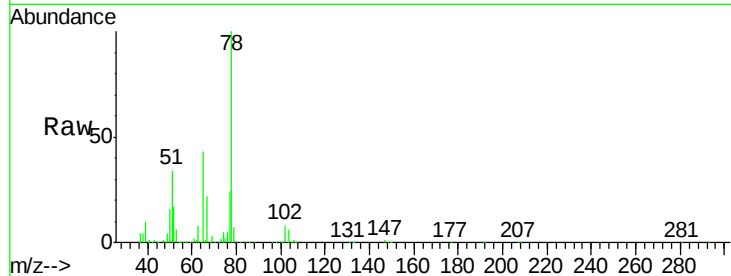




#33
 1,2-Dichloroethane-d4
 Concen: 102.537 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

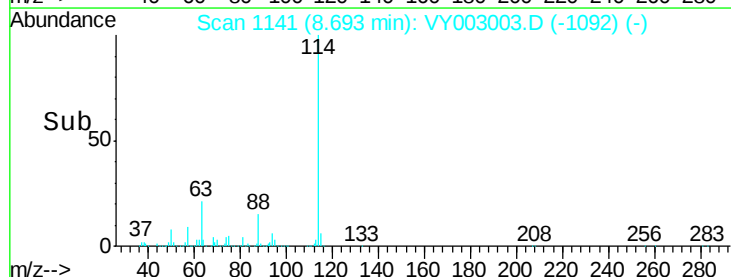
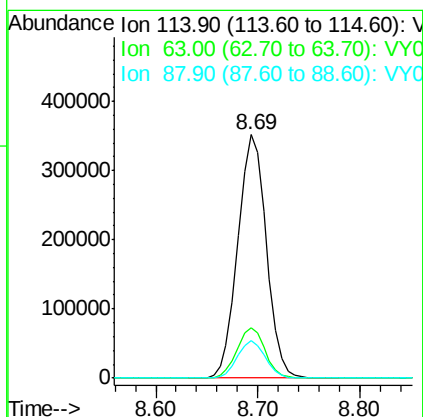
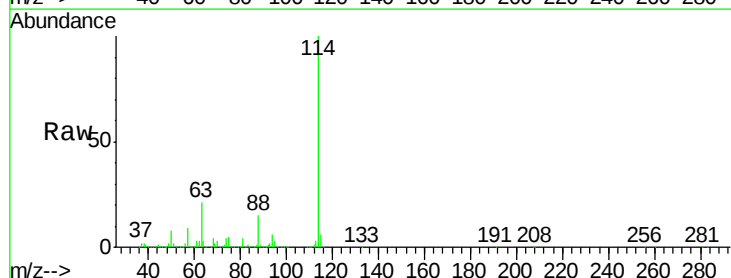
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

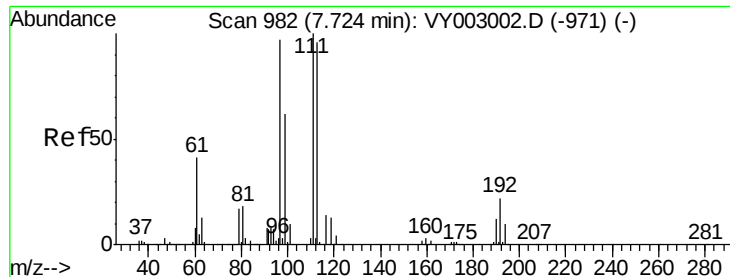
Tgt Ion: 65 Resp: 472521
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion: 114 Resp: 680637
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.6
 88 15.2 0.0 30.0

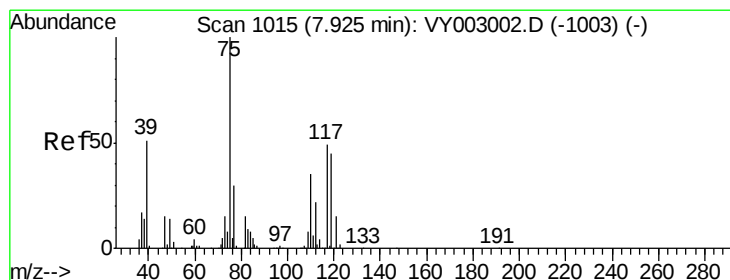
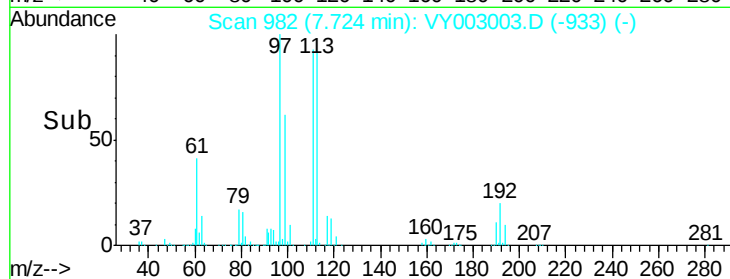
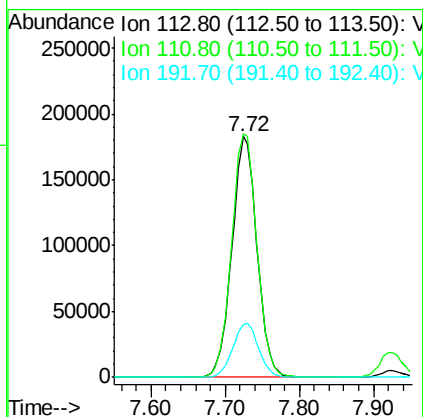
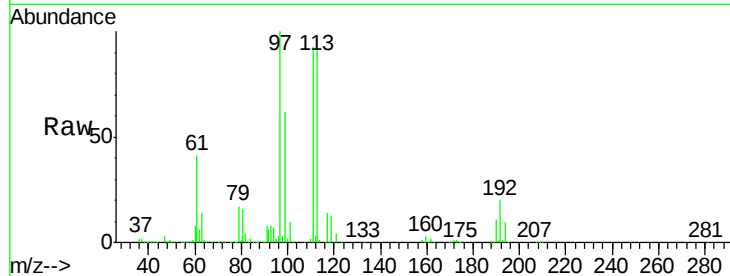




#35
 Dibromofluoromethane
 Concen: 101.419 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

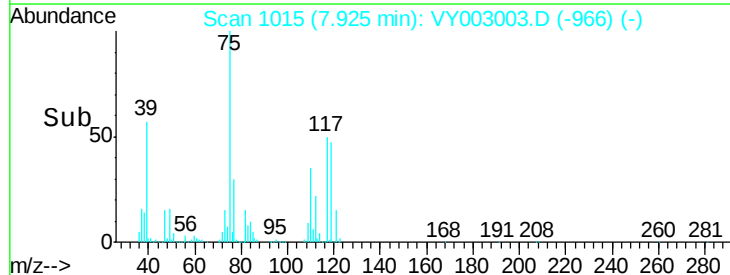
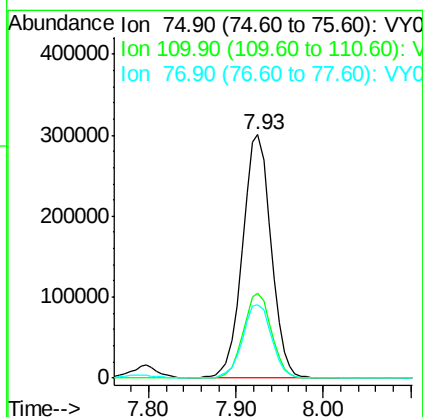
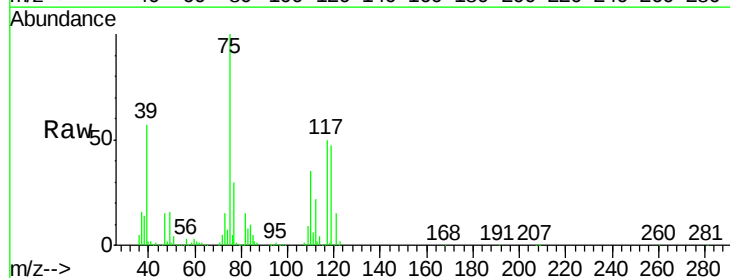
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

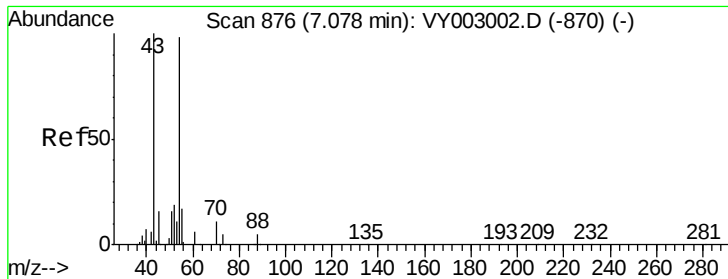
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	23.0	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 103.945 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.1	51.2
77	31.0	24.9	37.3

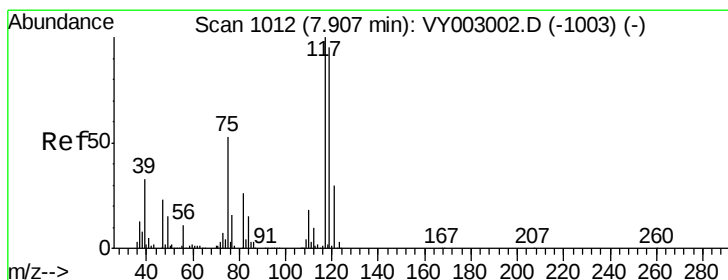
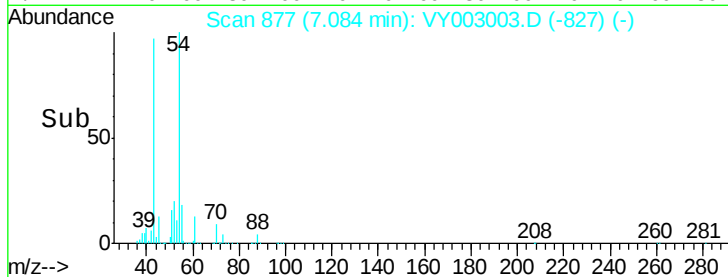
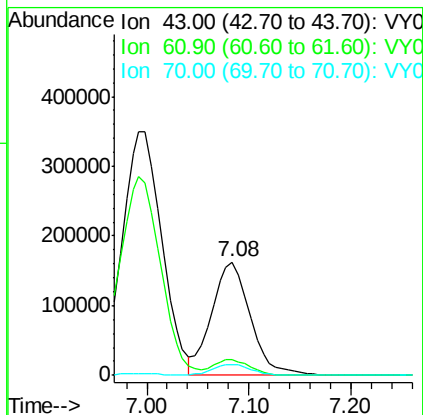
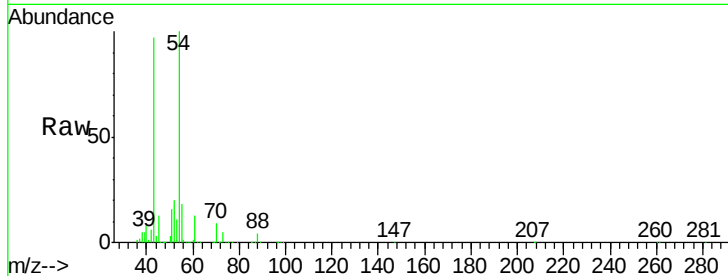




#37
Ethyl Acetate
Concen: 108.747 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

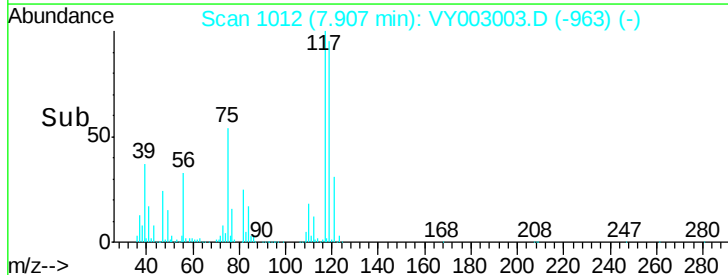
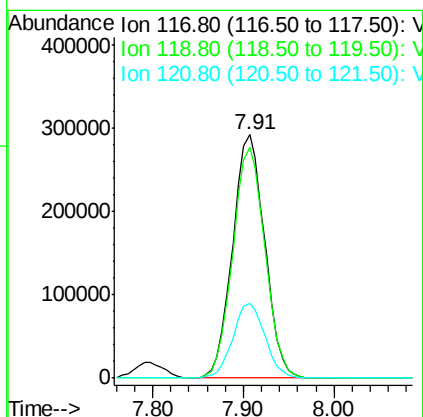
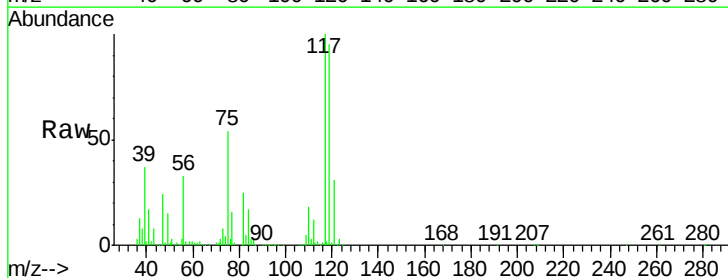
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

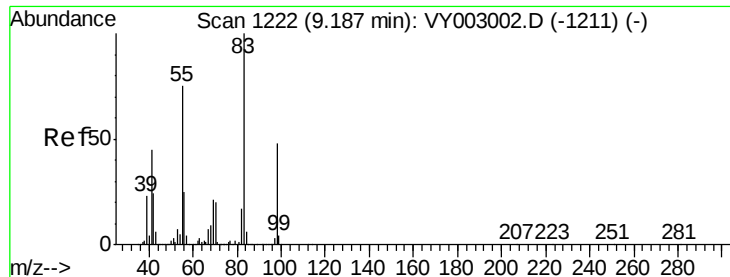
Tgt Ion: 43 Resp: 428672
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 105.153 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 117 Resp: 717279
Ion Ratio Lower Upper
117 100
119 95.0 75.7 113.5
121 30.6 23.9 35.9

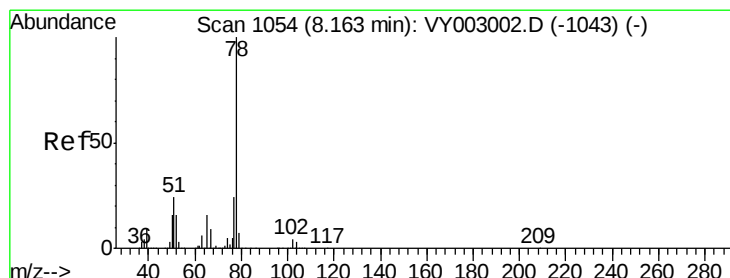
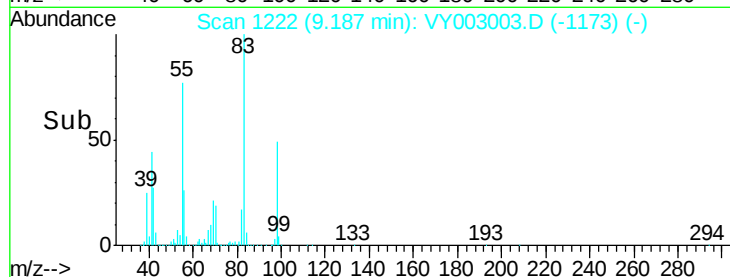
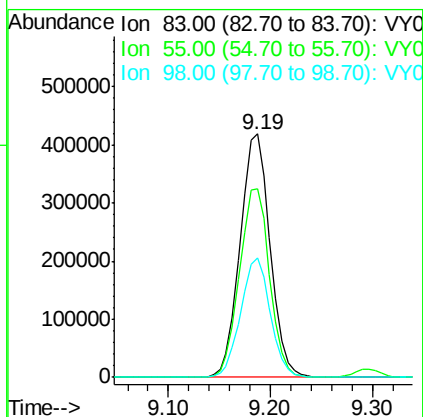
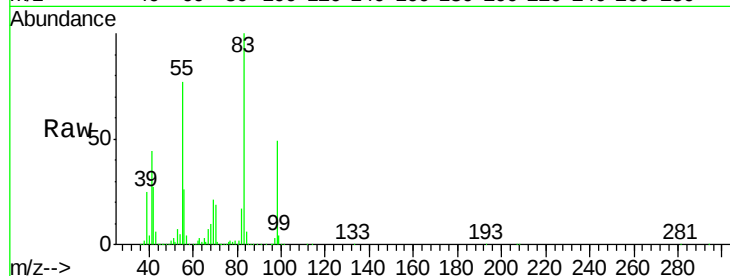




#39
Methylcyclohexane
Concen: 105.276 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

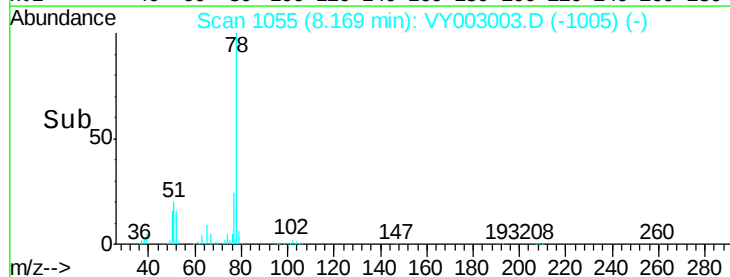
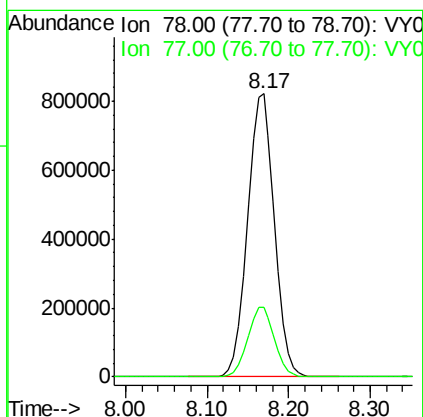
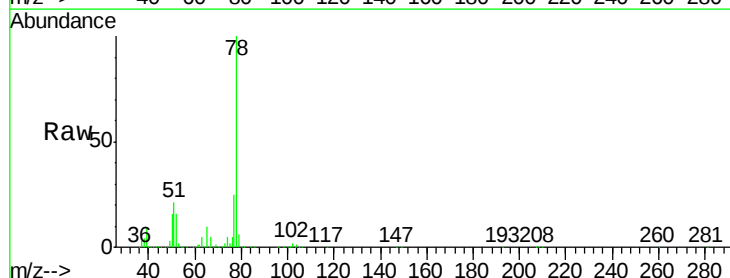
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

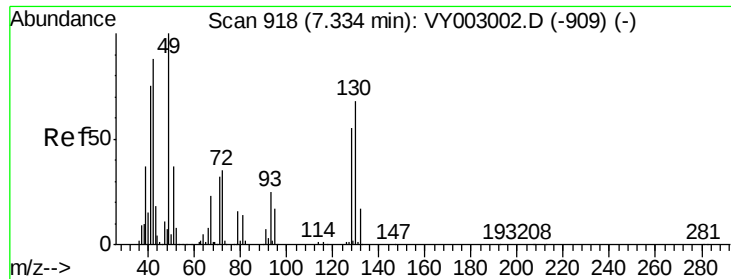
Tgt Ion: 83 Resp: 855756
Ion Ratio Lower Upper
83 100
55 77.2 59.9 89.9
98 49.0 38.7 58.1



#40
Benzene
Concen: 104.576 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 78 Resp: 1877039
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8

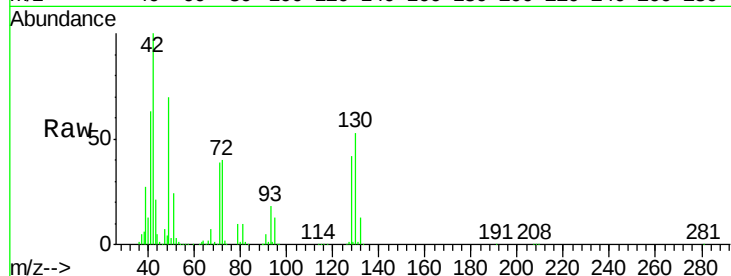




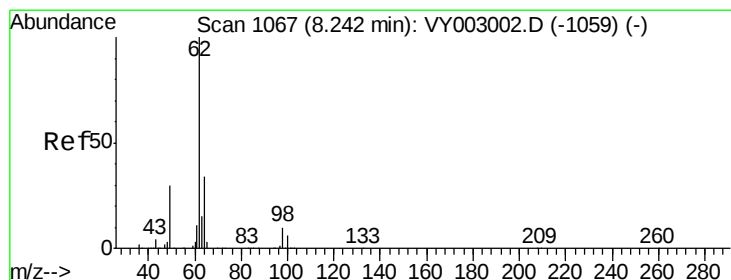
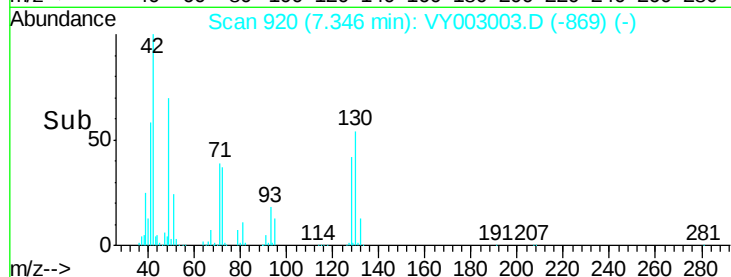
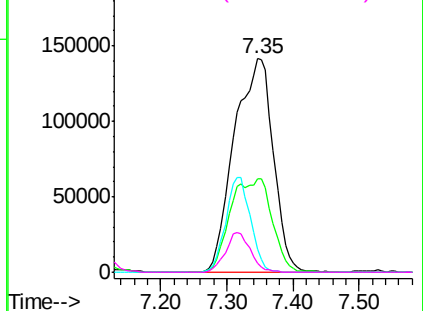
#41
Methacrylonitrile
Concen: 119.884 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	579634
Ion	Ratio	Lower	Upper
41	100		
39	0.0	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

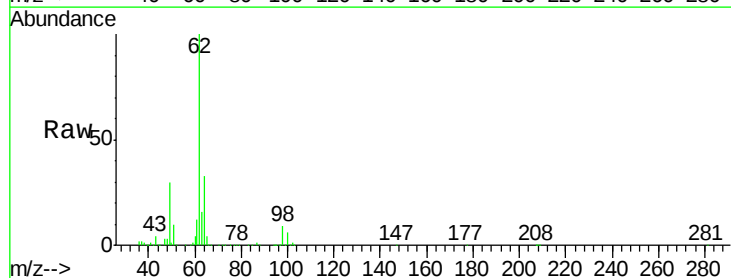


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

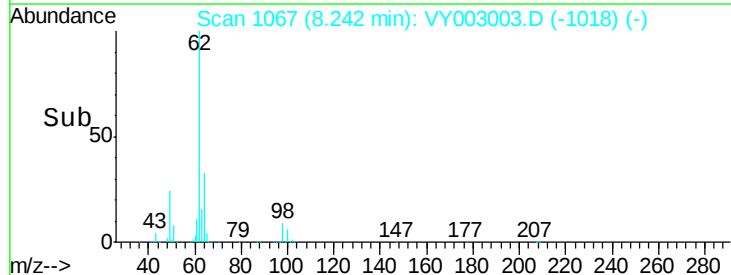
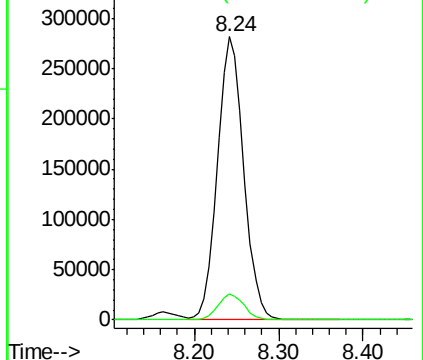


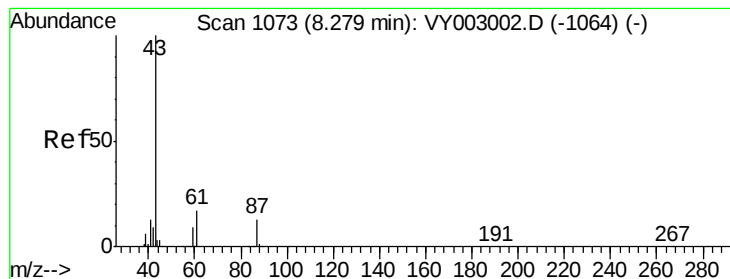
#42
1,2-Dichloroethane
Concen: 106.360 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:	62	Resp:	603940
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 109.372 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

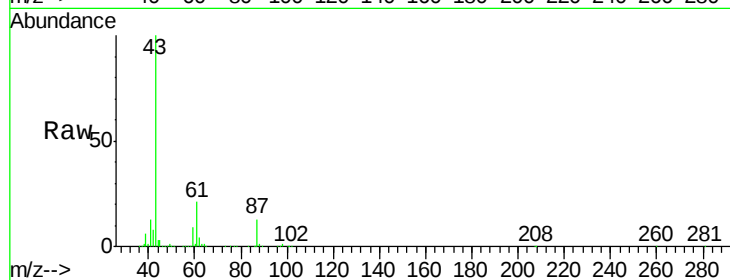
Tgt Ion: 43 Resp: 819611

Ion Ratio Lower Upper

43 100

61 27.7 21.8 32.6

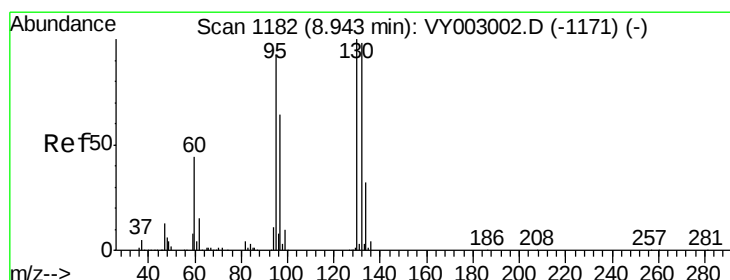
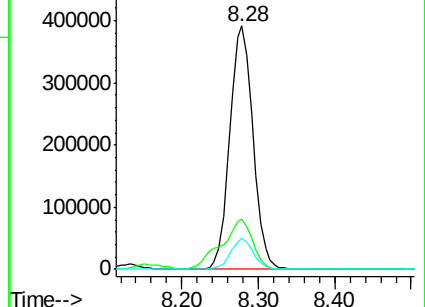
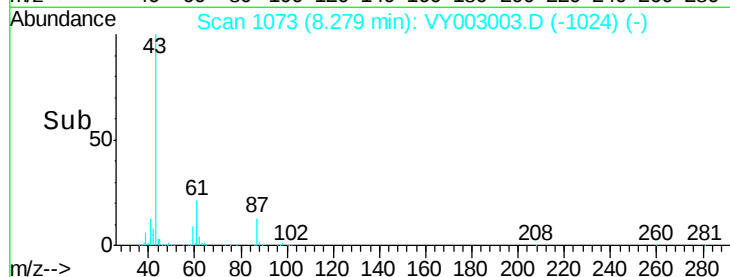
87 12.5 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VY003003.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY003003.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY003003.D (-1024) (-)



#44

Trichloroethene

Concen: 104.533 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003003.D

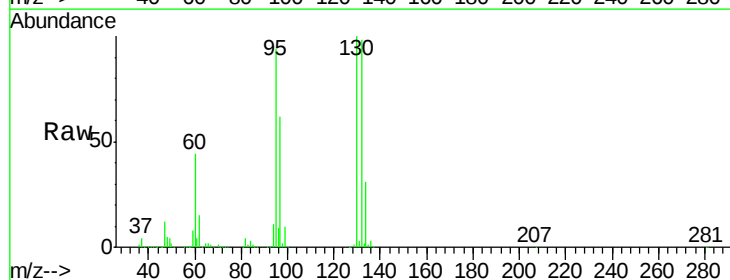
Acq: 29 Jun 2020 12:40

Tgt Ion: 130 Resp: 545343

Ion Ratio Lower Upper

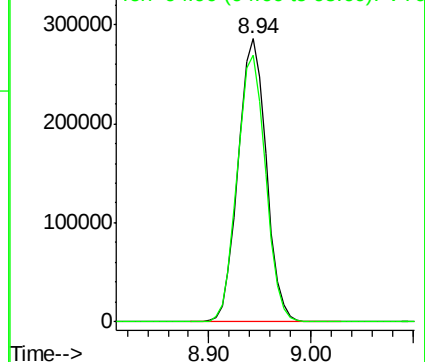
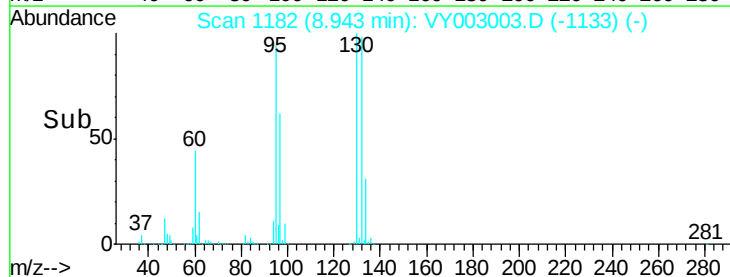
130 100

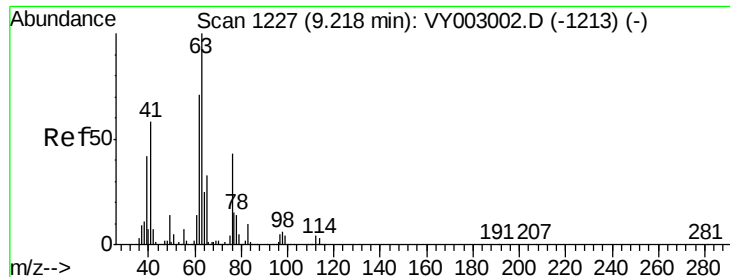
95 94.2 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): VY003003.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY003003.D (-1133) (-)





#45

1,2-Dichloropropane

Concen: 105.998 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

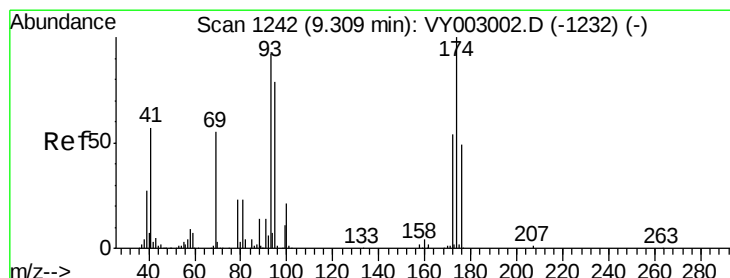
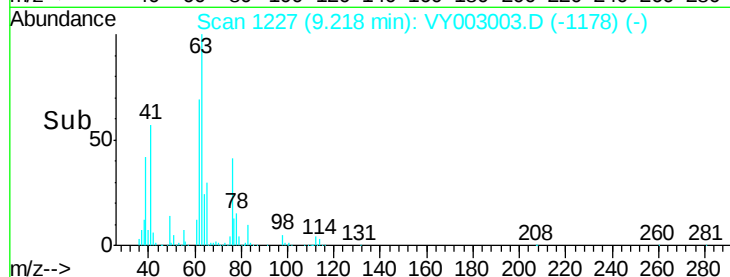
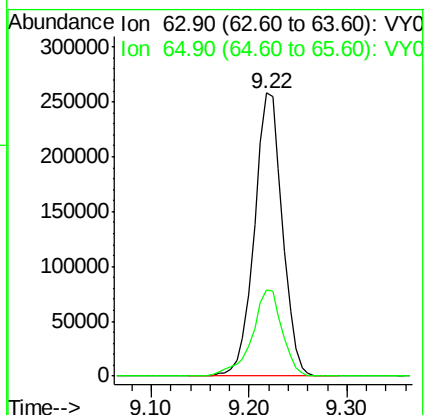
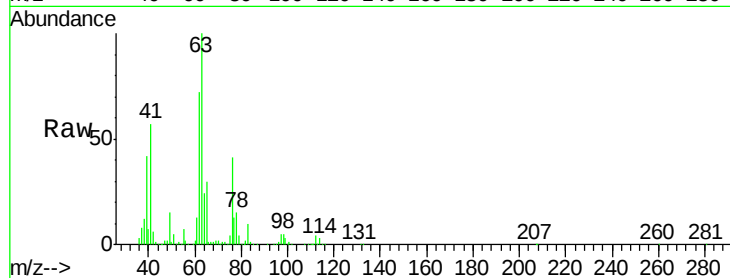
VSTDIC100

Tgt Ion: 63 Resp: 511857

Ion Ratio Lower Upper

63 100

65 30.3 26.2 39.4



#46

Dibromomethane

Concen: 104.875 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

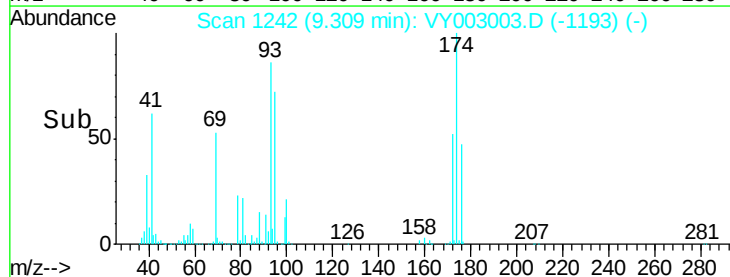
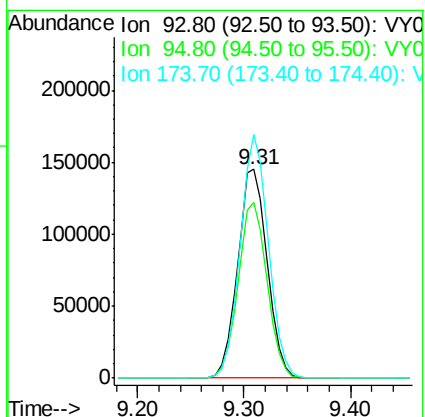
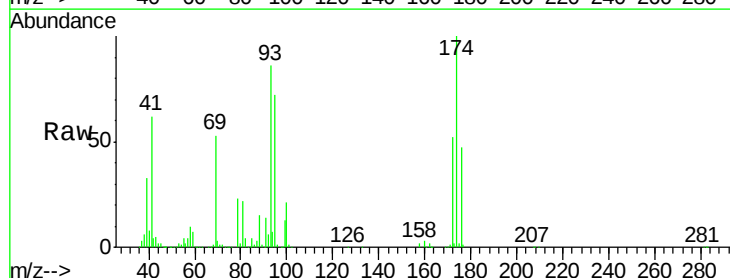
Tgt Ion: 93 Resp: 282851

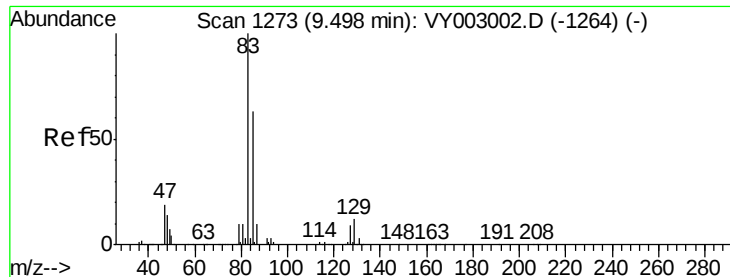
Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

174 111.3 88.3 132.5





#47

Bromodichloromethane

Concen: 106.068 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

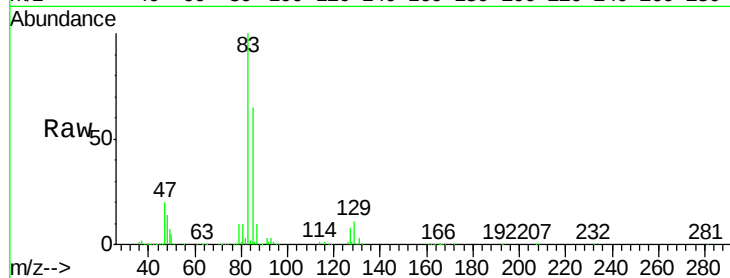
Tgt Ion: 83 Resp: 700481

Ion Ratio Lower Upper

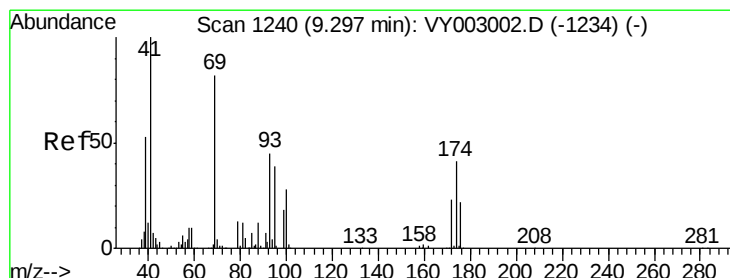
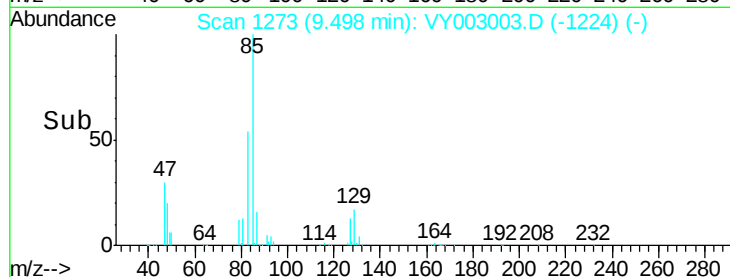
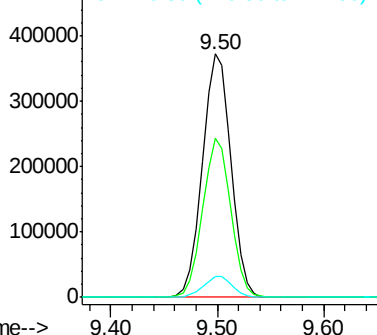
83 100

85 65.2 50.5 75.7

127 8.4 7.0 10.4



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



#48

Methyl methacrylate

Concen: 110.764 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

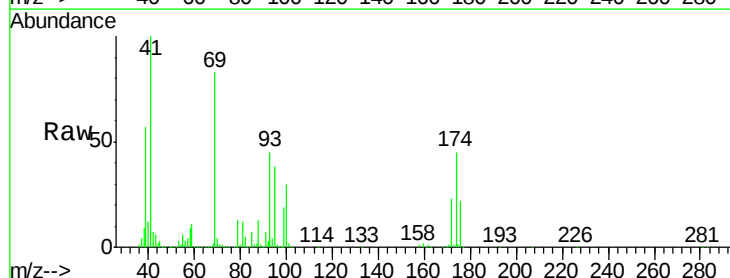
Tgt Ion: 41 Resp: 377812

Ion Ratio Lower Upper

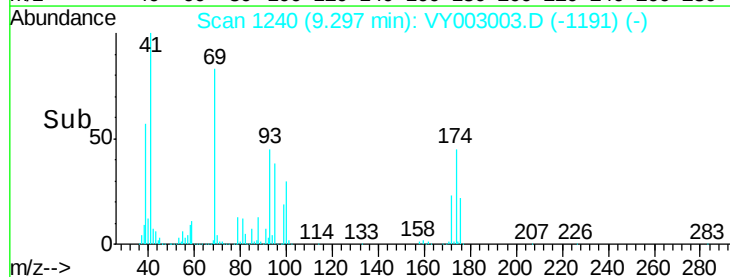
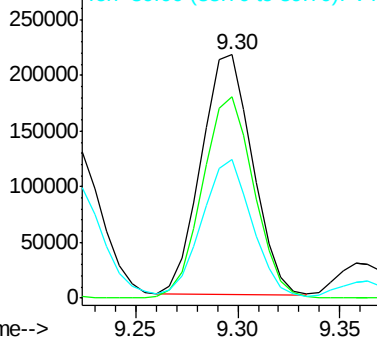
41 100

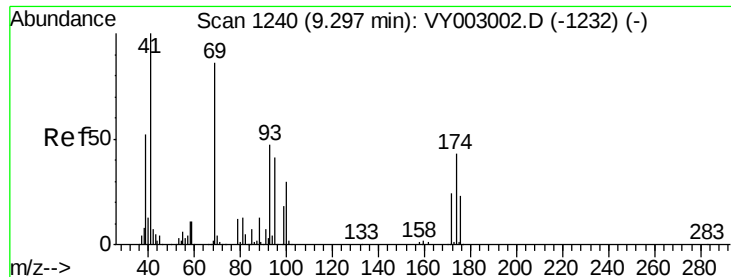
69 84.0 67.7 101.5

39 57.0 45.0 67.4



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

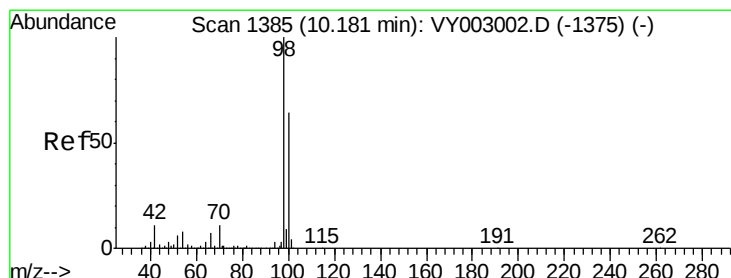
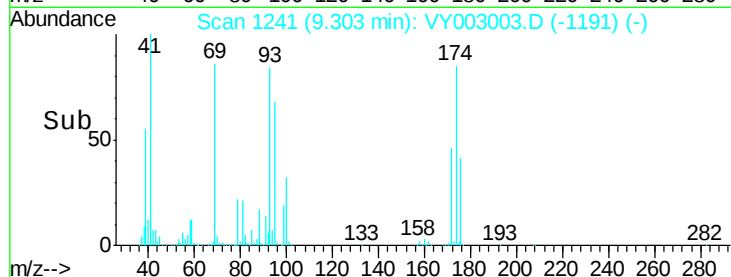
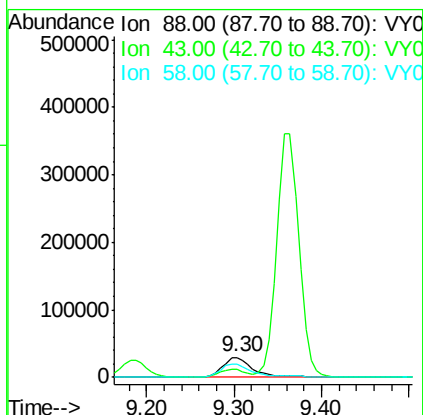
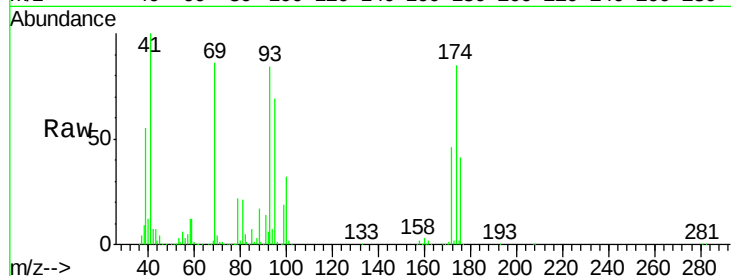




#49
1,4-Dioxane
Concen: 2203.638 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

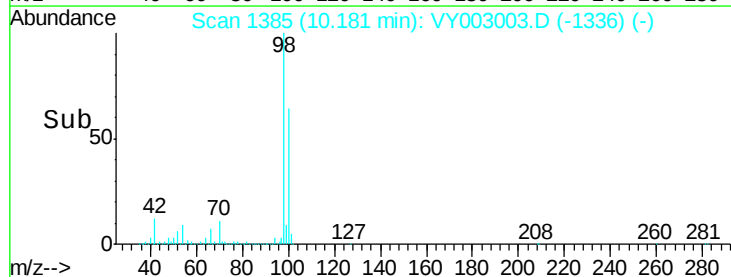
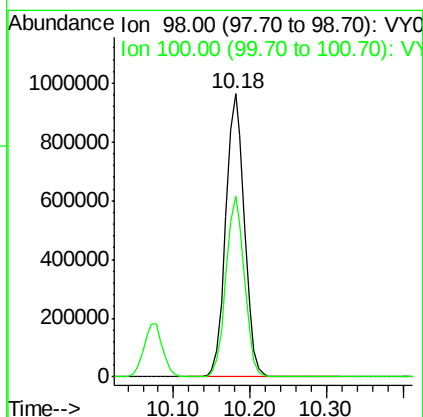
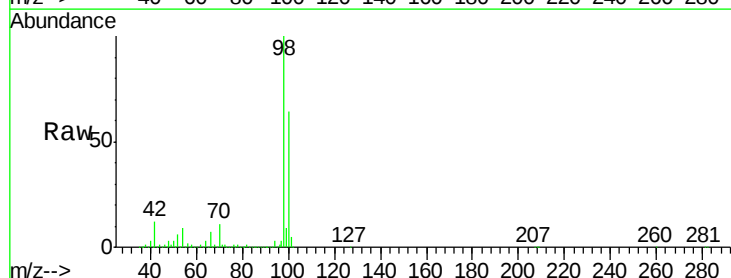
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

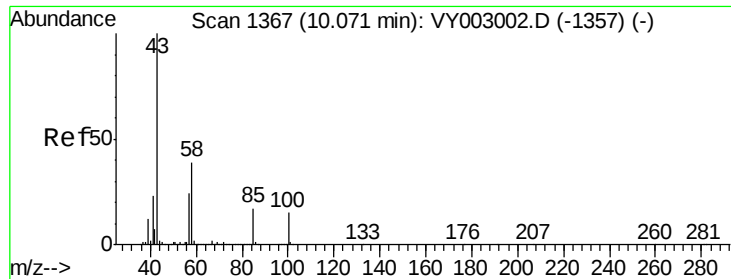
Tgt Ion: 88 Resp: 72550
Ion Ratio Lower Upper
88 100
43 33.2 28.6 42.8
58 66.5 56.7 85.1



#50
Toluene-d8
Concen: 102.146 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 98 Resp: 1615740
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7

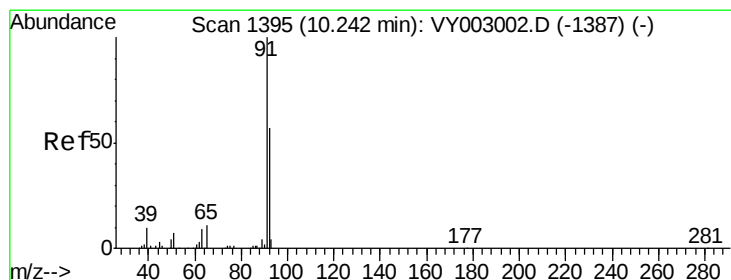
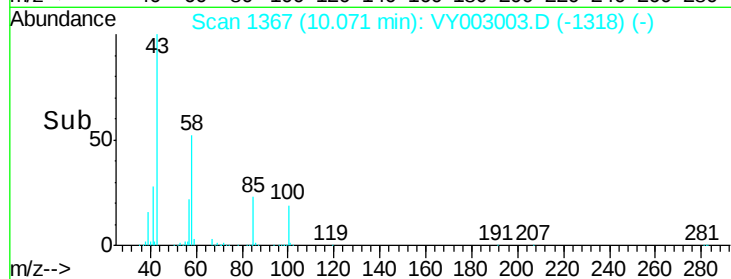
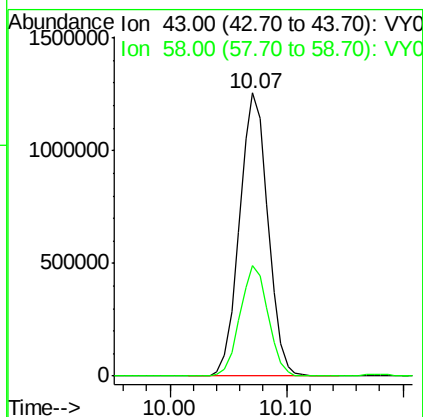
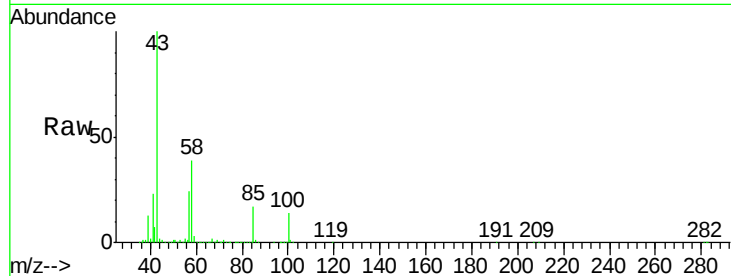




#51
4-Methyl-2-Pentanone
Concen: 552.574 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

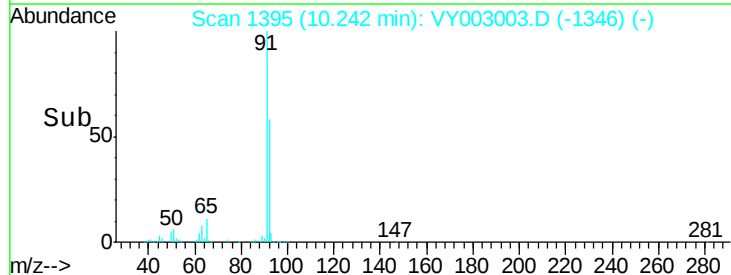
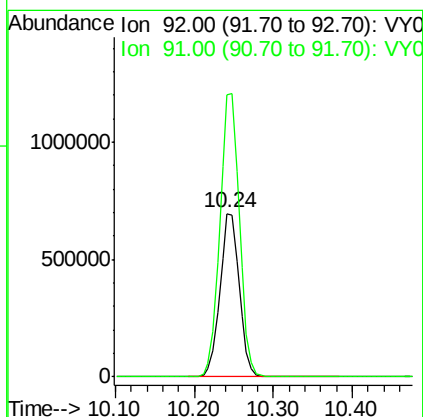
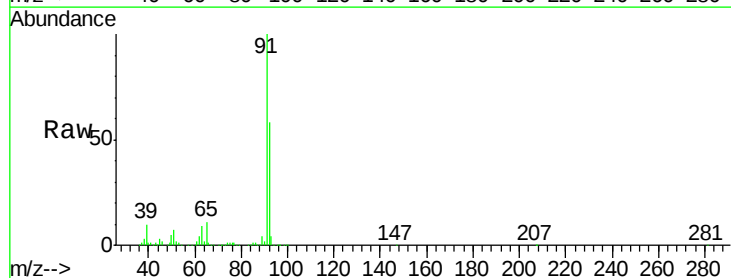
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

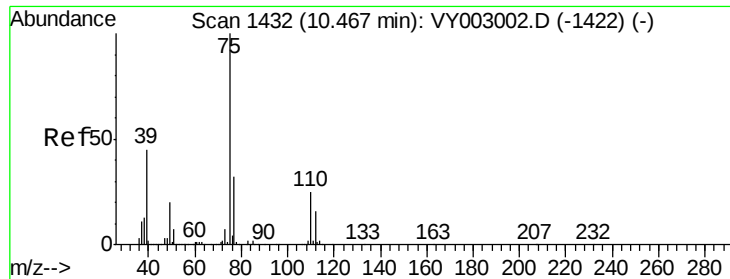
Tgt Ion: 43 Resp: 2140241
Ion Ratio Lower Upper
43 100
58 38.7 31.1 46.7



#52
Toluene
Concen: 104.514 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 92 Resp: 1180900
Ion Ratio Lower Upper
92 100
91 175.5 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 108.649 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

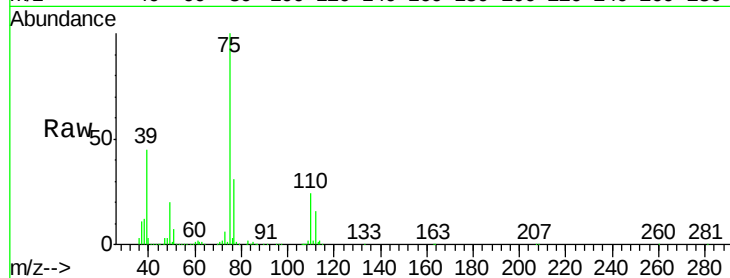
VSTDIC100

Tgt Ion: 75 Resp: 752277

Ion Ratio Lower Upper

75 100

77 31.4 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

400000

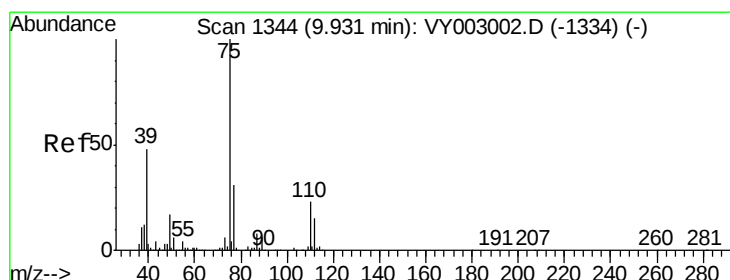
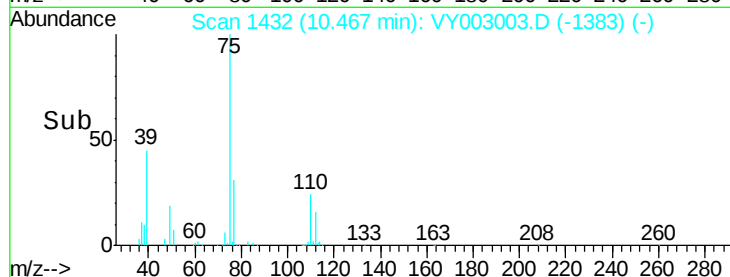
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 106.599 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

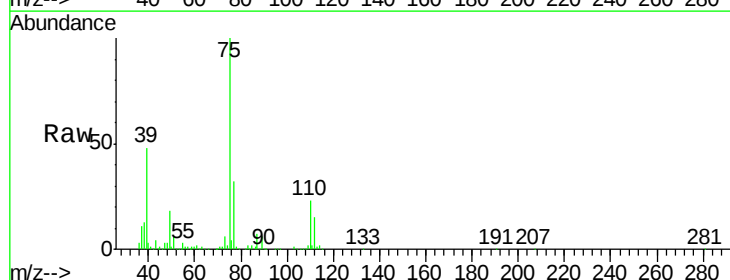
Tgt Ion: 75 Resp: 844112

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0

39 48.4 38.3 57.5



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

9.93

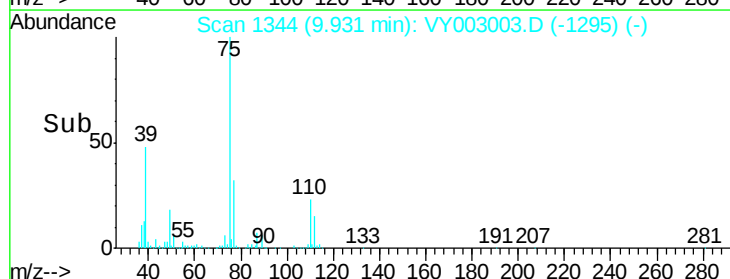
600000

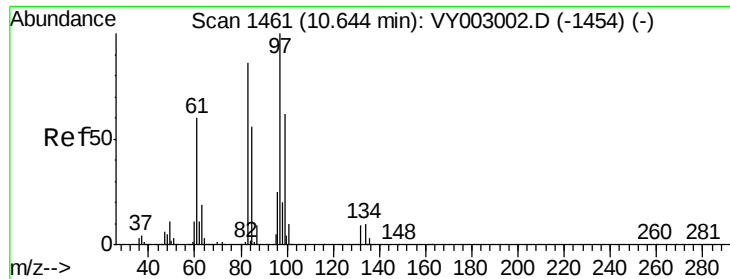
400000

200000

0

Time-->

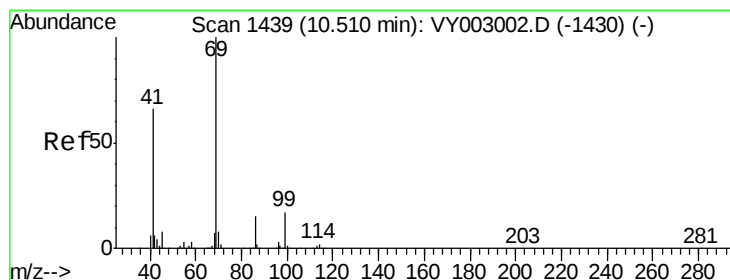
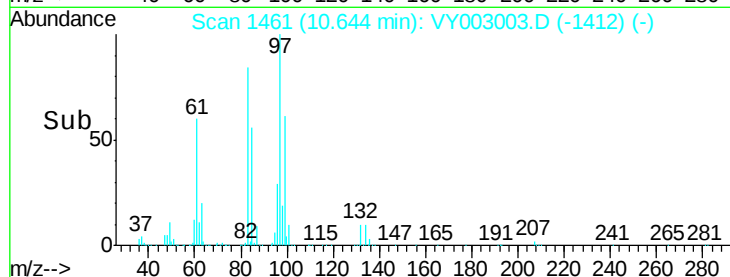
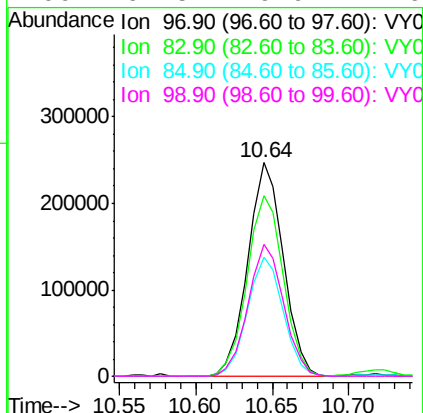
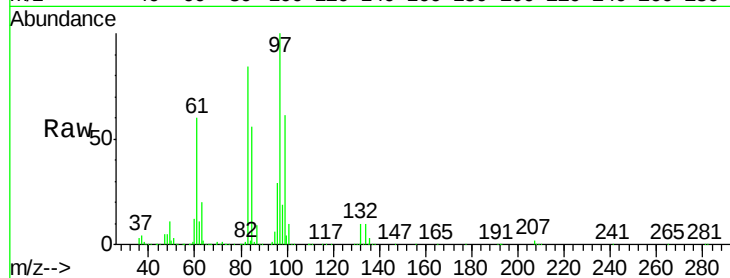




#55
 1,1,2-Trichloroethane
 Concen: 106.345 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

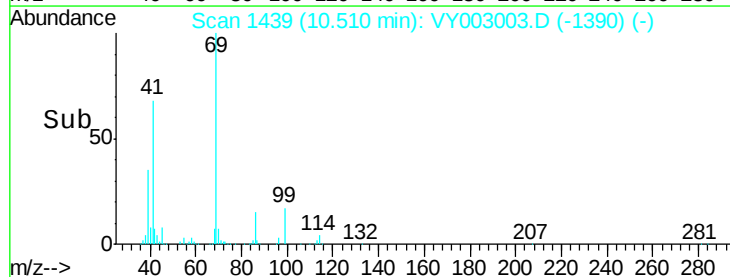
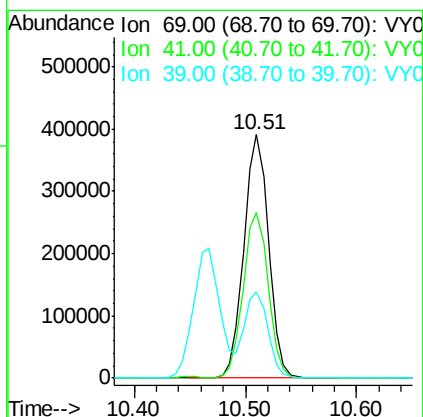
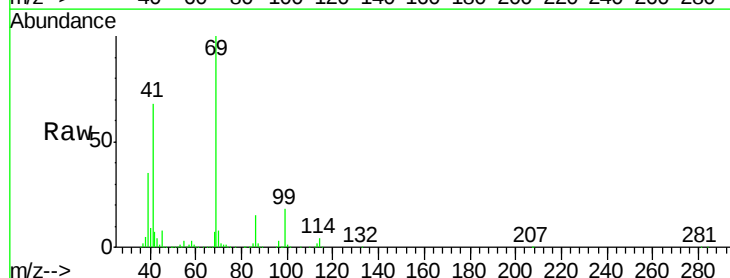
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

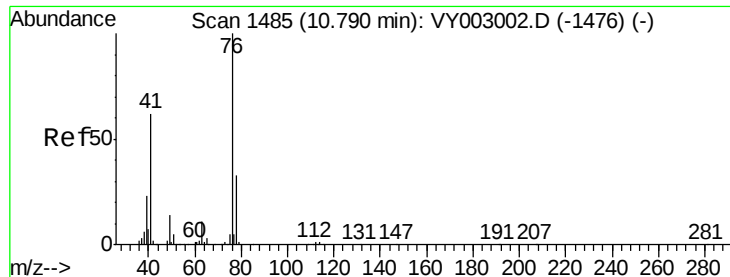
Tgt Ion:	97	Resp:	398558
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.0	103.6
85	55.5	44.8	67.2
99	61.5	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 111.235 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion:	69	Resp:	603463
Ion	Ratio	Lower	Upper
69	100		
41	68.4	53.7	80.5
39	33.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 106.287 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

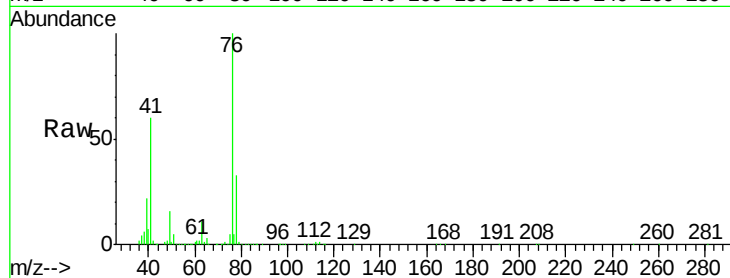
VSTDIC100

Tgt Ion: 76 Resp: 699295

Ion Ratio Lower Upper

76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

400000

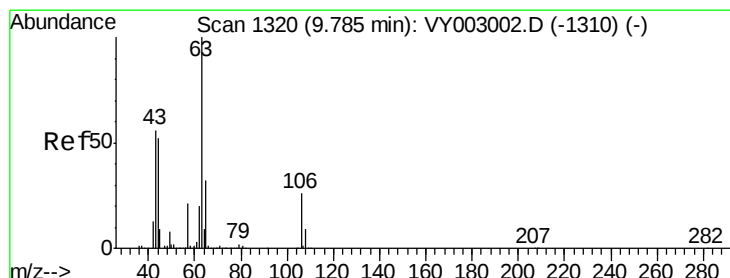
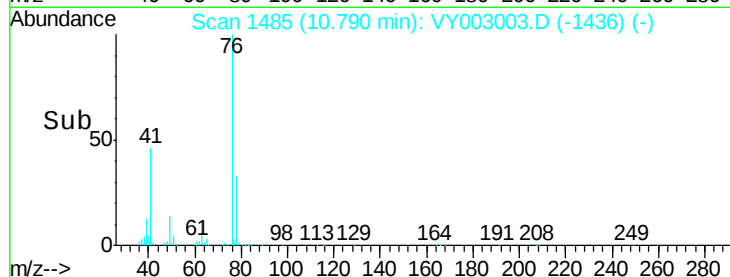
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 547.800 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003003.D

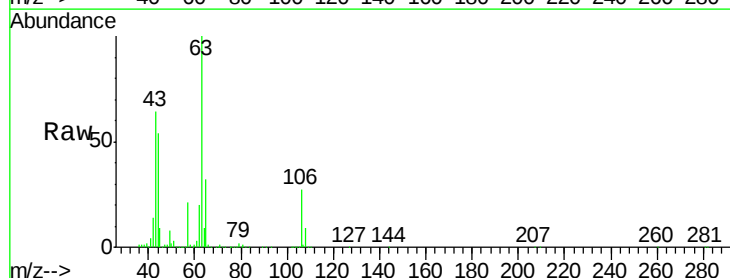
Acq: 29 Jun 2020 12:40

Tgt Ion: 63 Resp: 1524196

Ion Ratio Lower Upper

63 100

106 26.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

1000000

800000

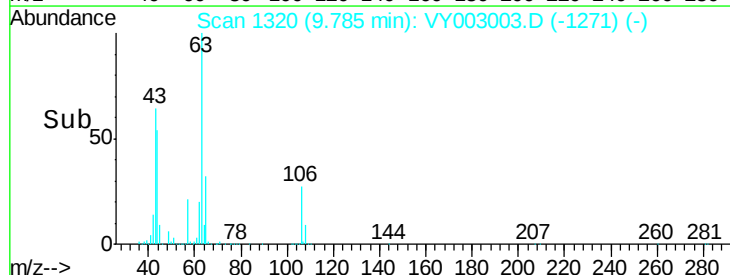
600000

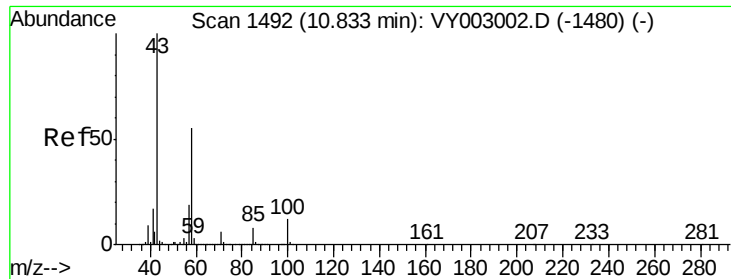
400000

200000

0

Time-->

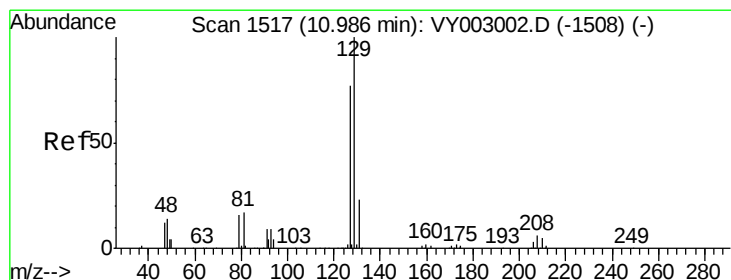
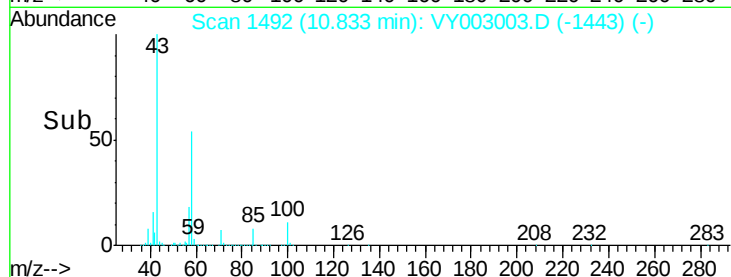
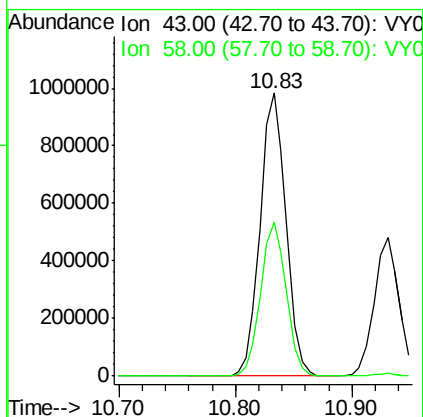
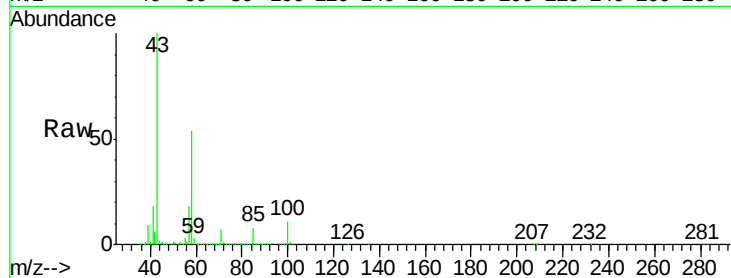




#59
2-Hexanone
Concen: 561.646 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

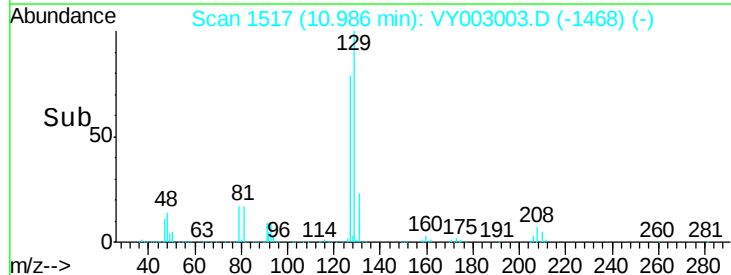
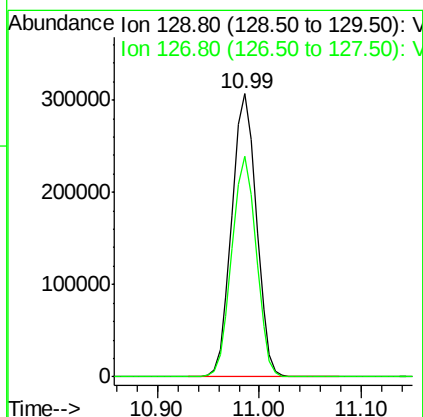
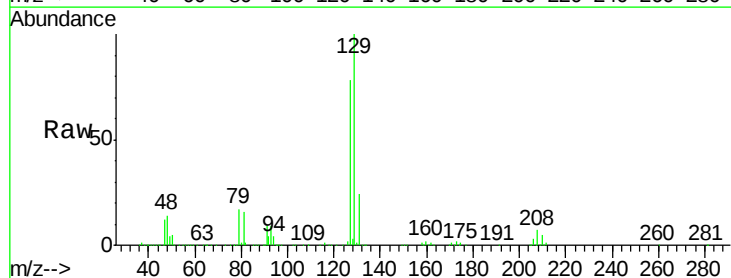
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

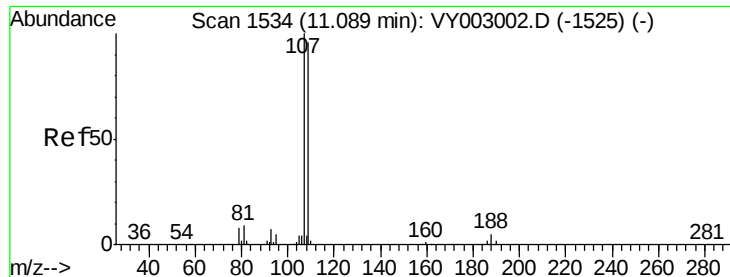
Tgt Ion: 43 Resp: 1520513
Ion Ratio Lower Upper
43 100
58 54.0 27.5 82.4



#60
Dibromochloromethane
Concen: 106.732 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 129 Resp: 511906
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

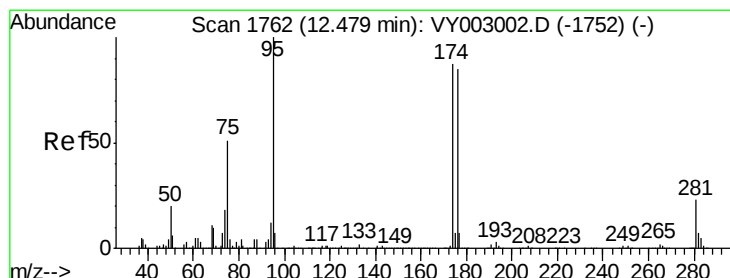
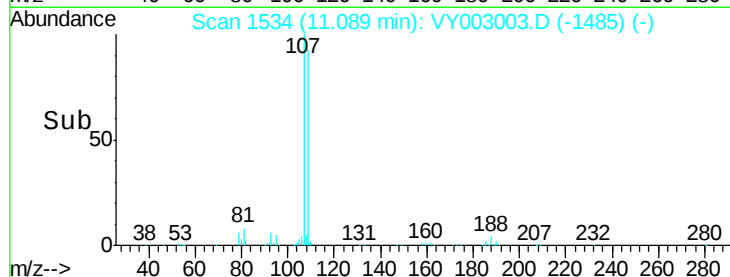
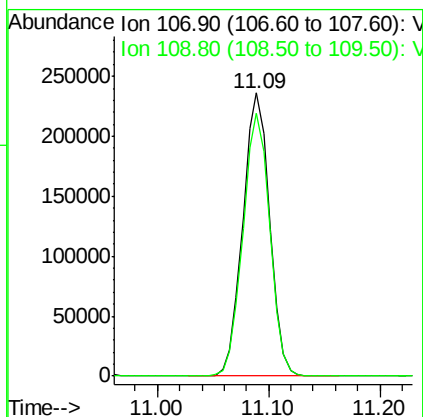
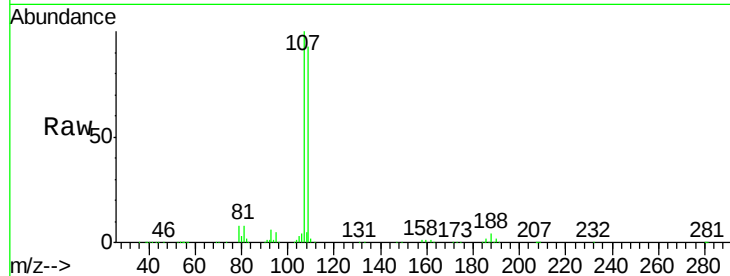




#61
 1,2-Dibromoethane
 Concen: 106.659 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

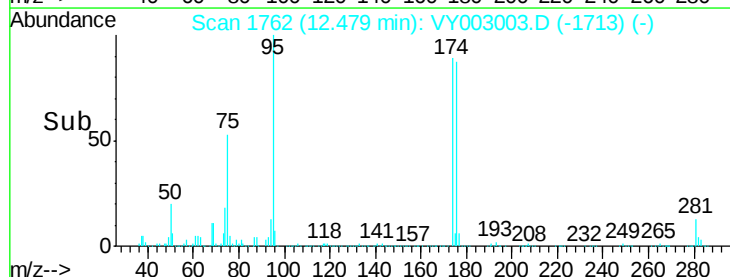
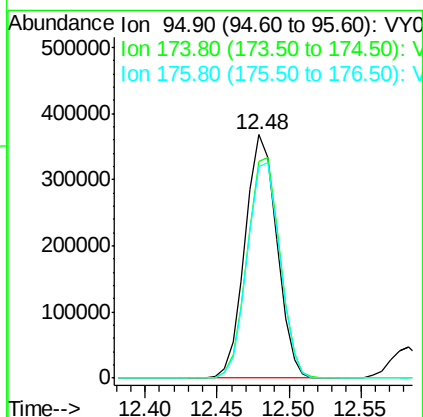
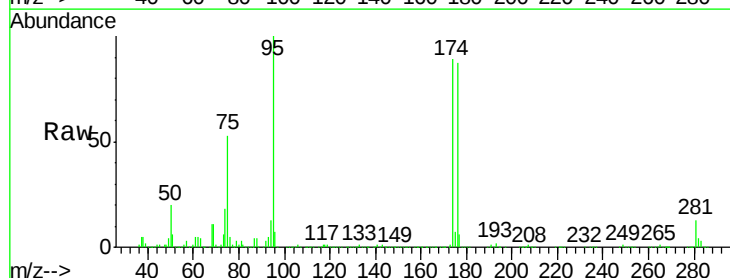
Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC100

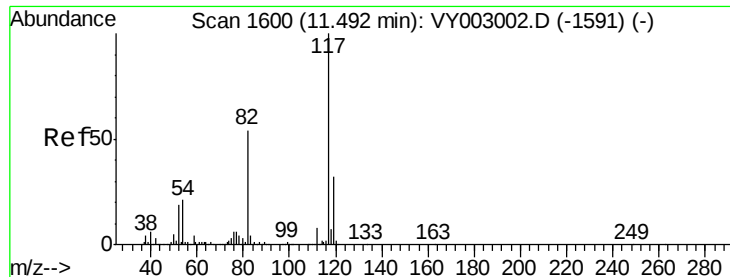
Tgt Ion: 107 Resp: 394082
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 101.047 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion: 95 Resp: 562627
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 184.8
 176 90.8 0.0 183.0

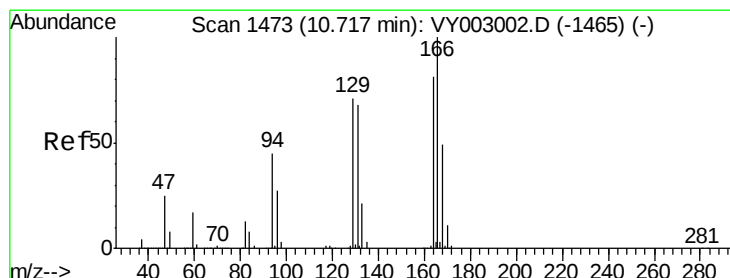
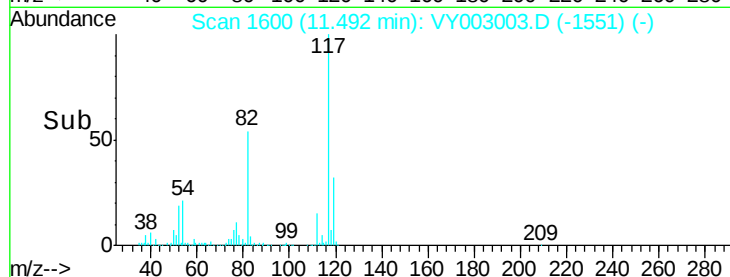
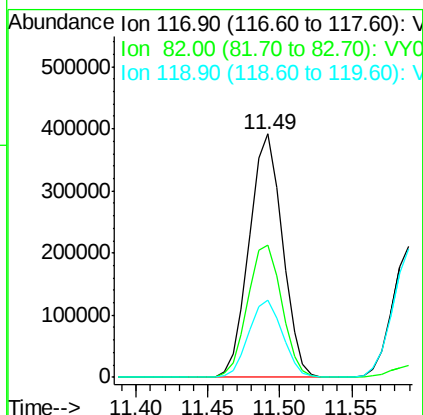
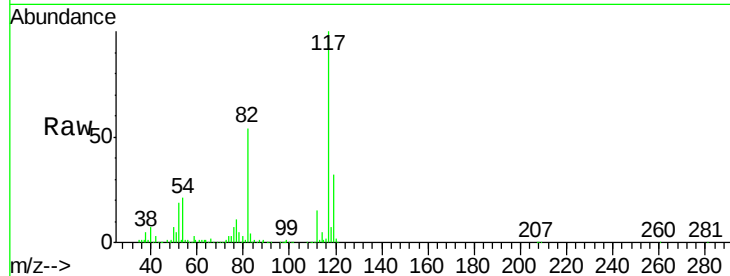




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

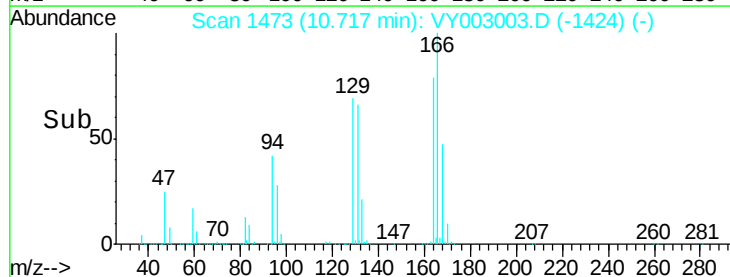
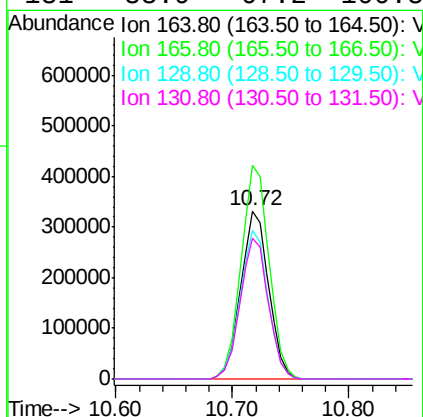
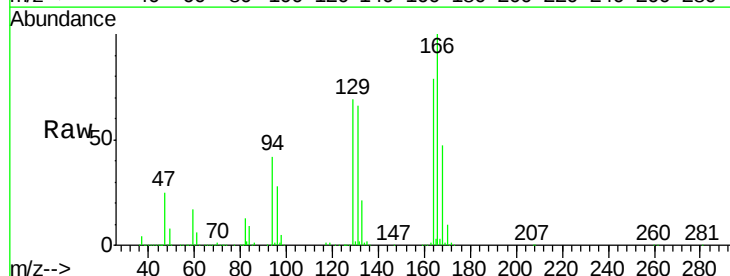
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

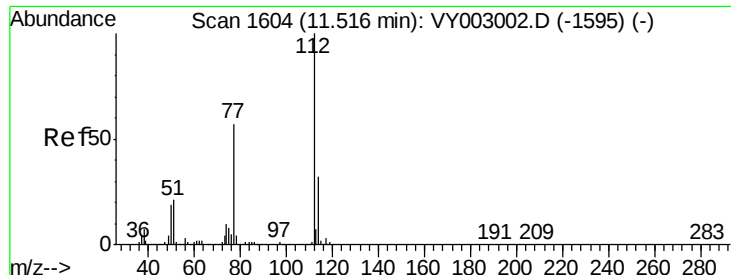
Tgt Ion:117 Resp: 624608
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 104.723 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:164 Resp: 553599
Ion Ratio Lower Upper
164 100
166 127.3 98.5 147.7
129 88.3 69.7 104.5
131 83.9 67.2 100.8

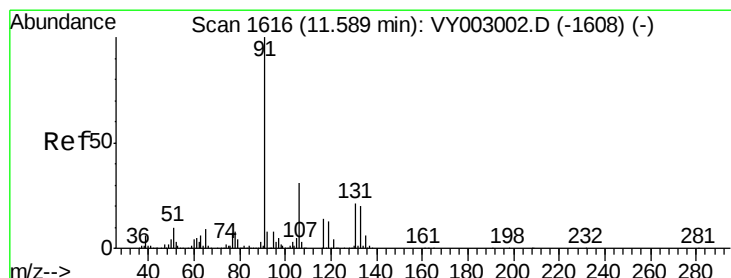
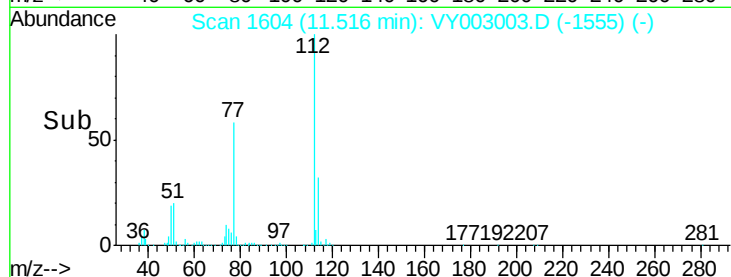
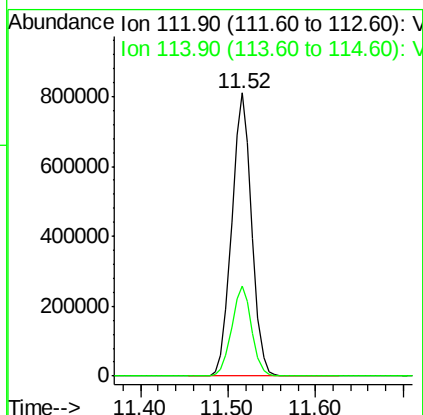
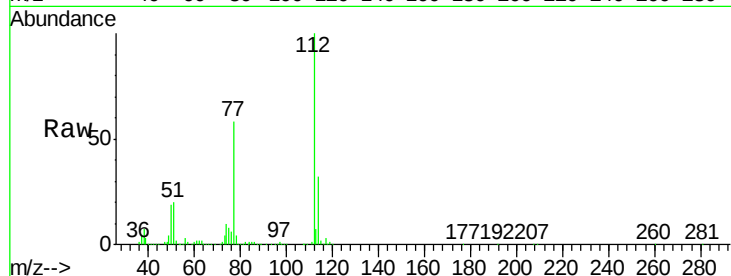




#65
Chlorobenzene
Concen: 104.224 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

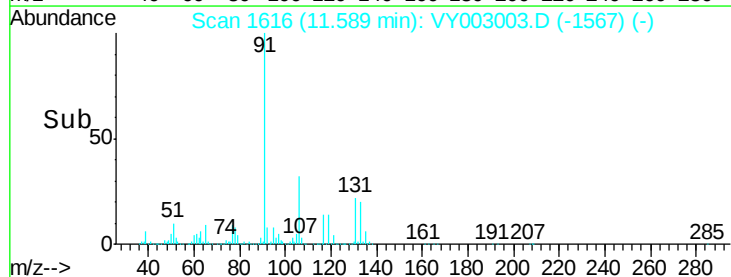
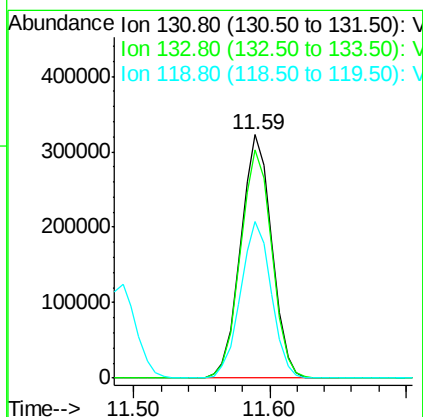
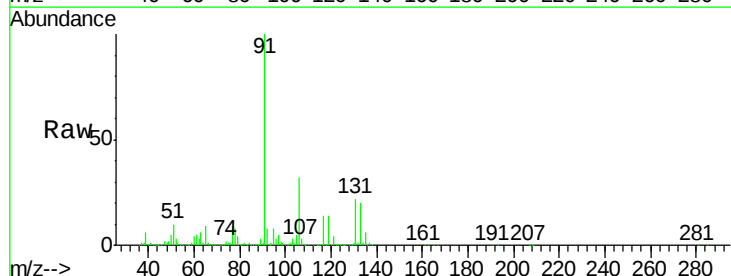
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

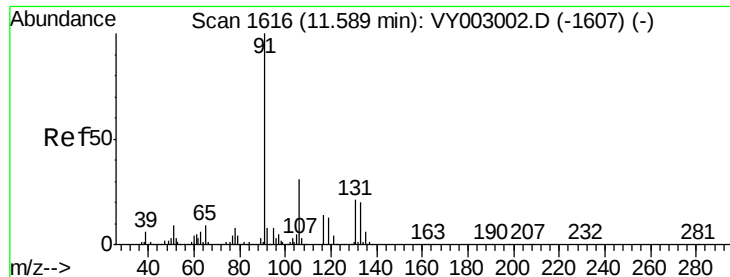
Tgt Ion:112 Resp: 1283629
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 106.894 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:131 Resp: 513995
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 105.383 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

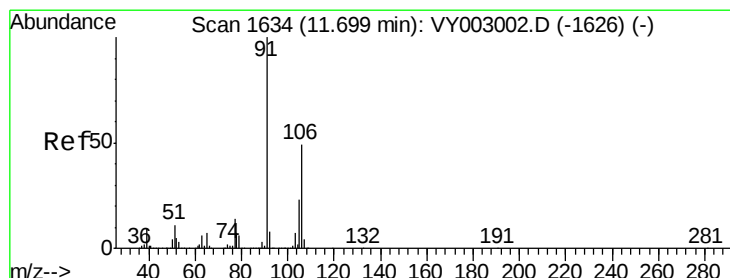
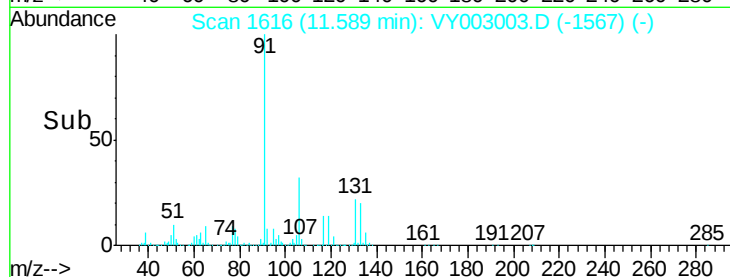
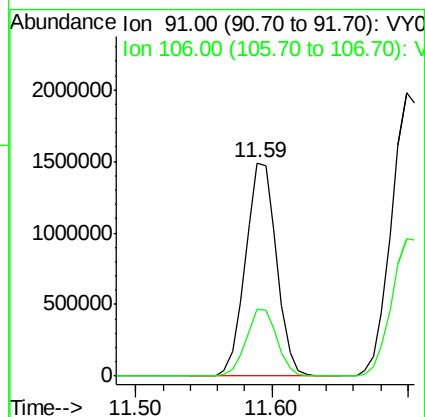
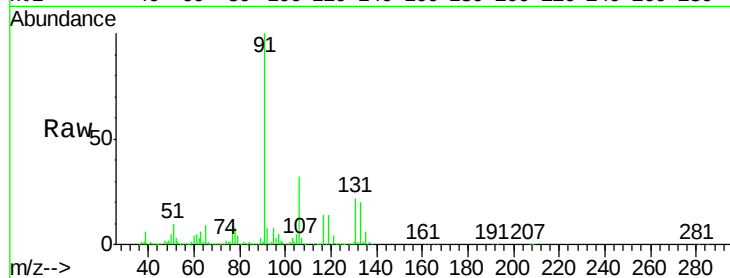
VSTDIC100

Tgt Ion: 91 Resp: 2374438

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



#68

m/p-Xylenes

Concen: 211.058 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003003.D

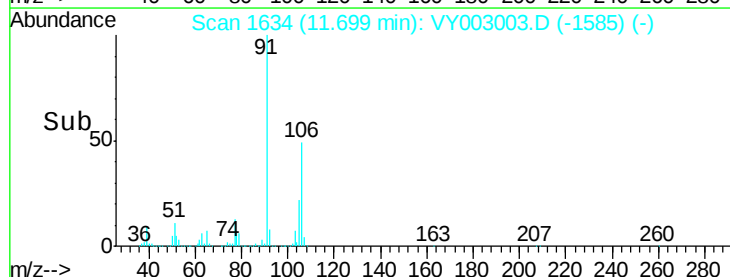
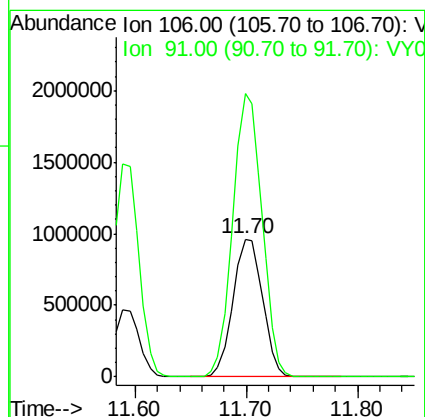
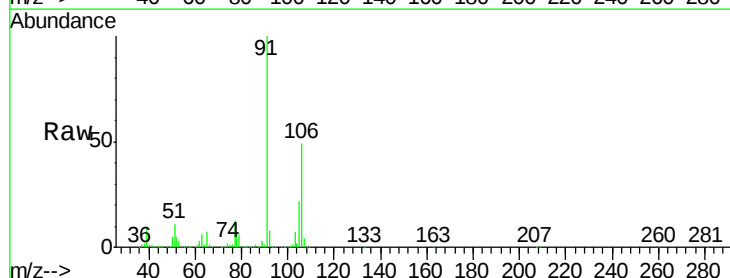
Acq: 29 Jun 2020 12:40

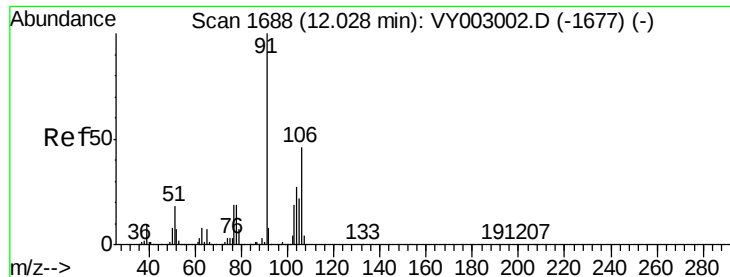
Tgt Ion: 106 Resp: 1769890

Ion Ratio Lower Upper

106 100

91 203.3 161.9 242.9

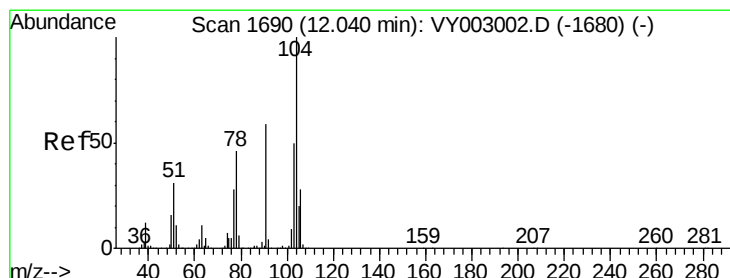
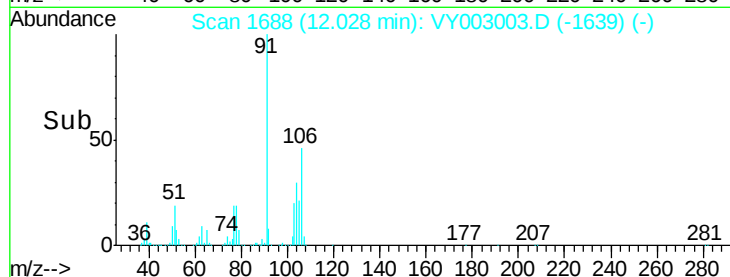
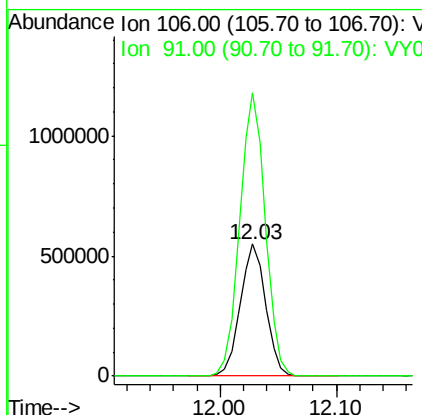
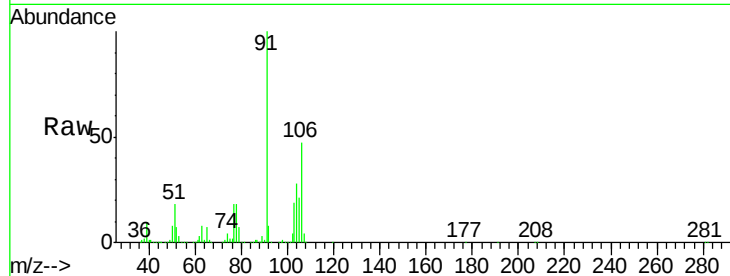




#69
o-Xylene
Concen: 105.713 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

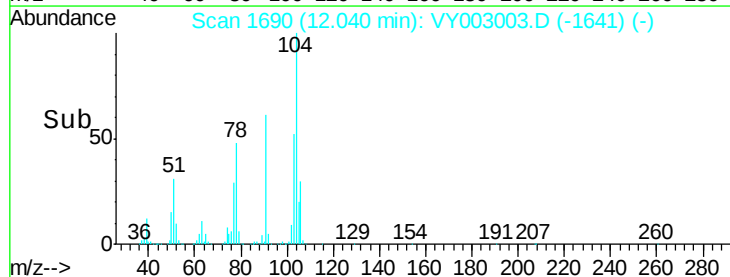
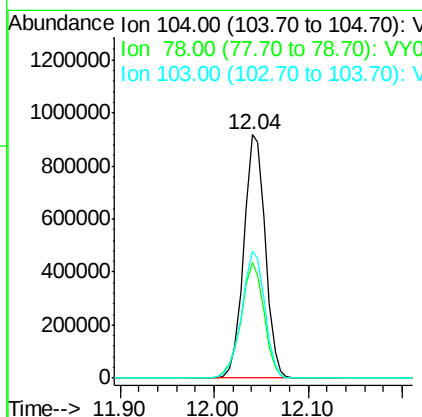
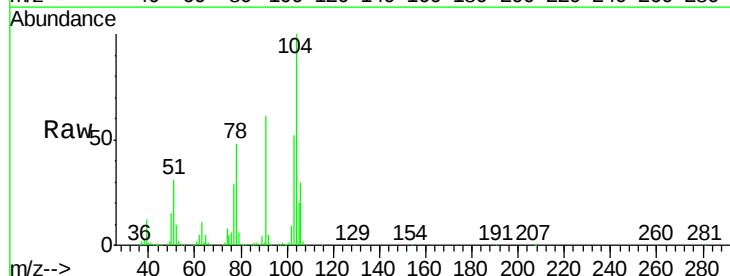
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

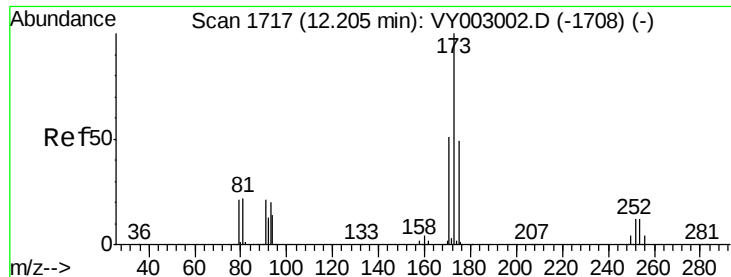
Tgt Ion:106 Resp: 835356
Ion Ratio Lower Upper
106 100
91 215.0 107.9 323.8



#70
Styrene
Concen: 107.242 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:104 Resp: 1447750
Ion Ratio Lower Upper
104 100
78 50.7 40.4 60.6
103 55.8 44.1 66.1





#71

Bromoform

Concen: 107.750 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC100

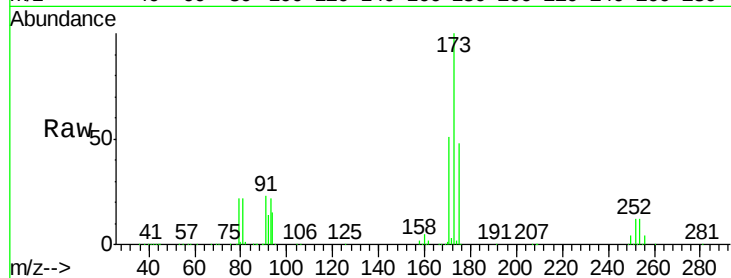
Tgt Ion:173 Resp: 345476

Ion Ratio Lower Upper

173 100

175 49.3 24.6 73.6

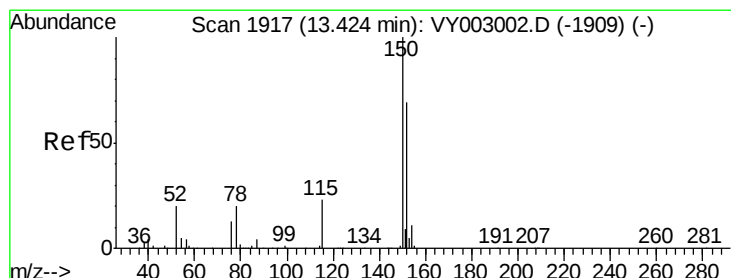
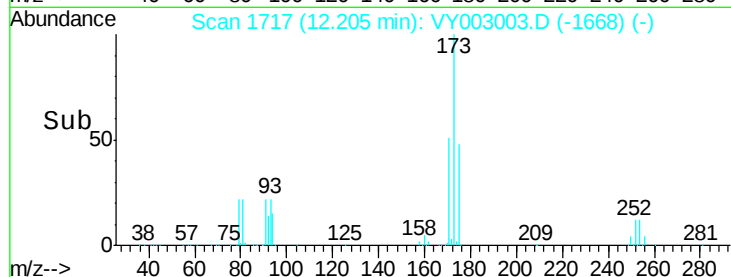
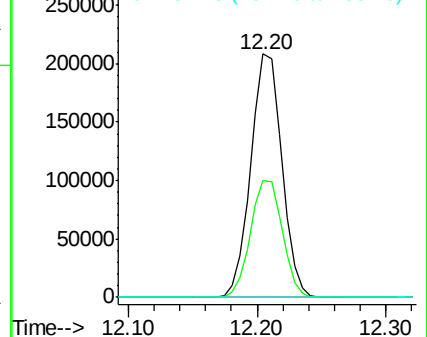
254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

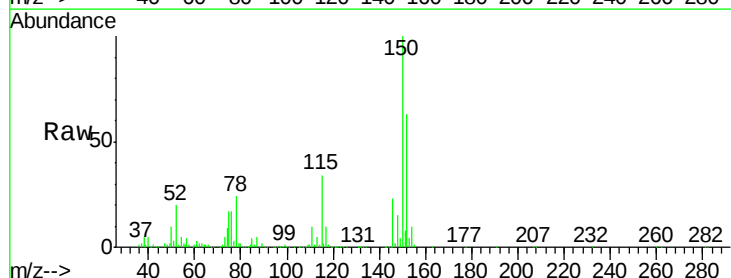
Tgt Ion:152 Resp: 323902

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

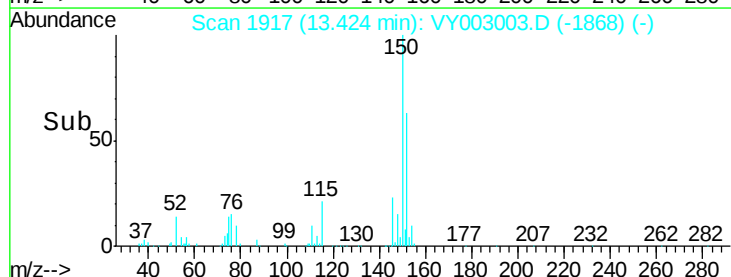
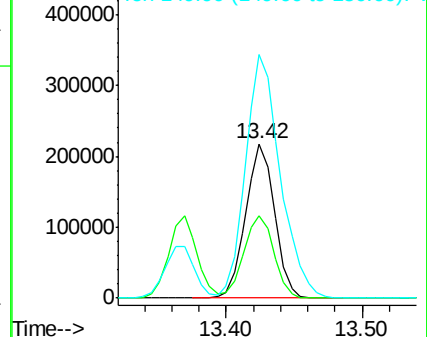
150 188.8 0.0 343.4

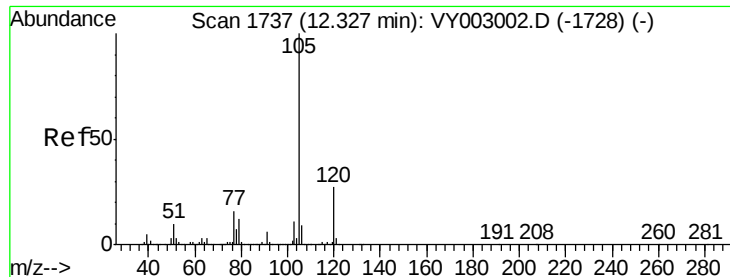


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 106.430 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

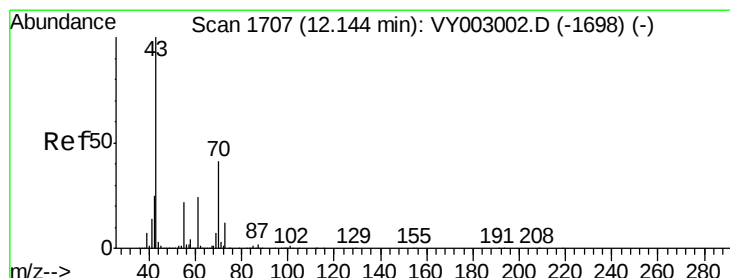
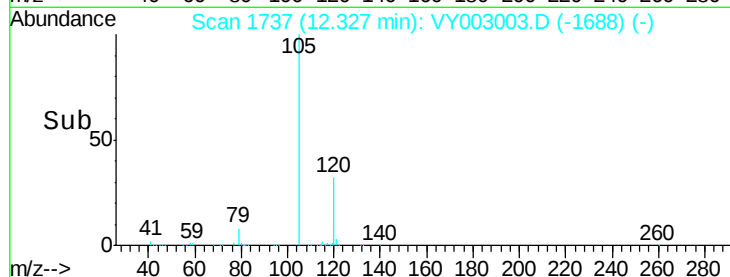
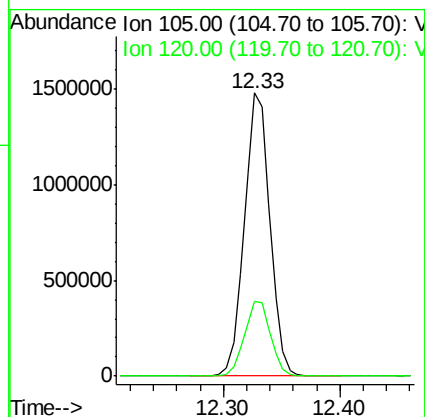
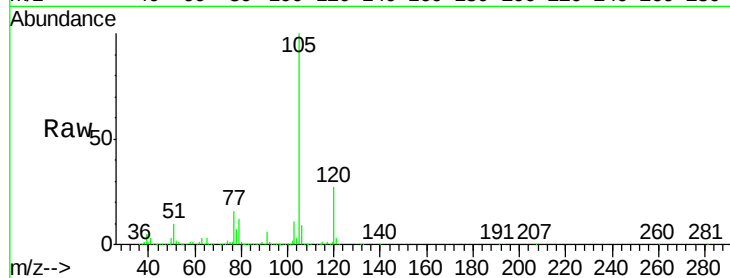
VSTDIC100

Tgt Ion: 105 Resp: 2256106

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1



#74

N-ethyl acetate

Concen: 111.105 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Tgt Ion: 43 Resp: 766726

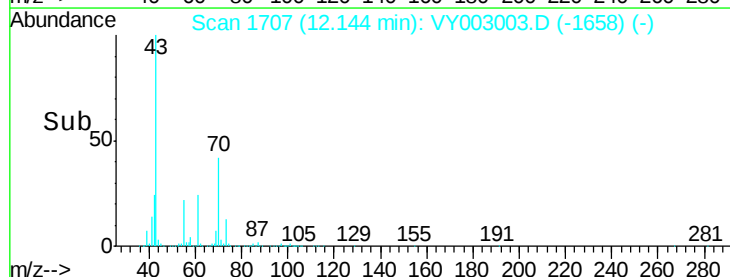
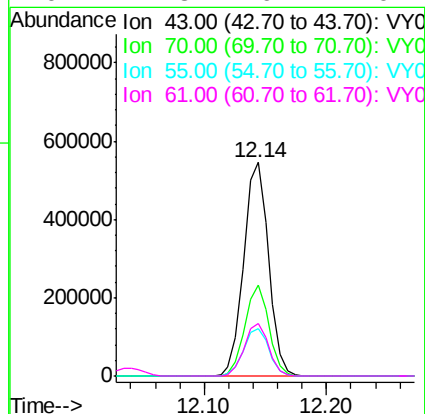
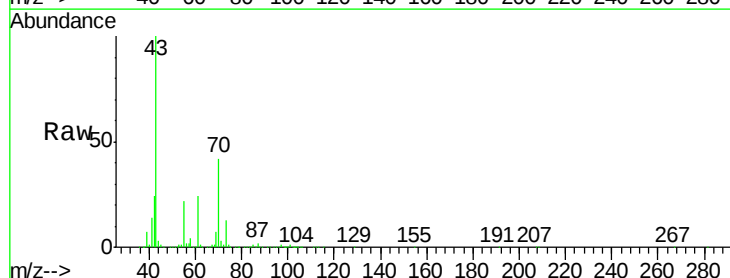
Ion Ratio Lower Upper

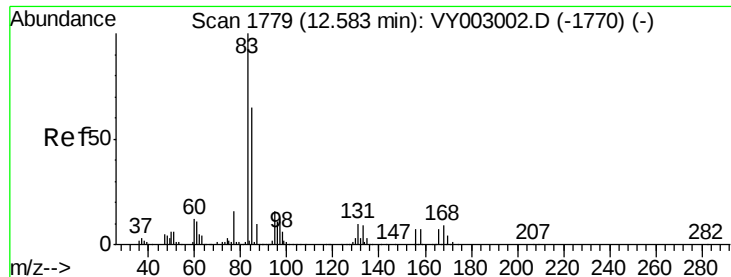
43 100

70 41.3 33.0 49.4

55 22.6 18.2 27.2

61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 107.727 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

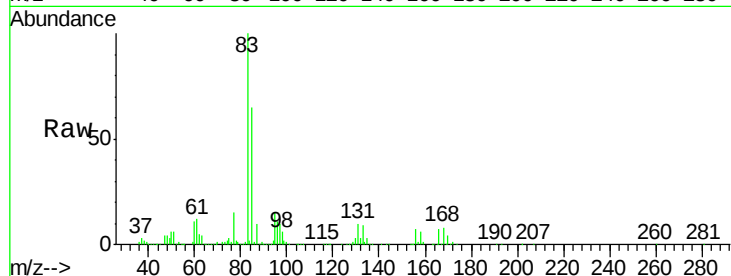
Tgt Ion: 83 Resp: 460837

Ion Ratio Lower Upper

83 100

131 10.3 5.3 16.1

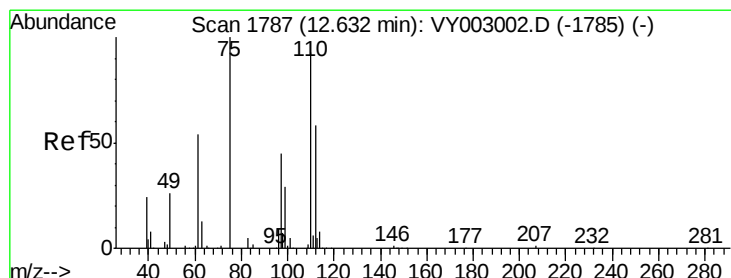
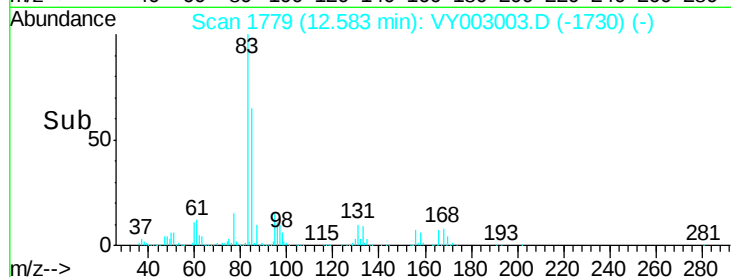
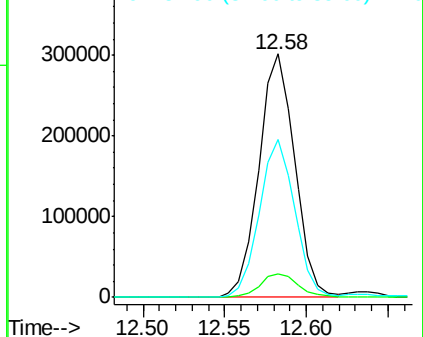
85 64.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY003003.D (-1730) (-)

Ion 130.80 (130.50 to 131.50): VY003003.D (-1730) (-)

Ion 84.90 (84.60 to 85.60): VY003003.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 117.000 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003003.D

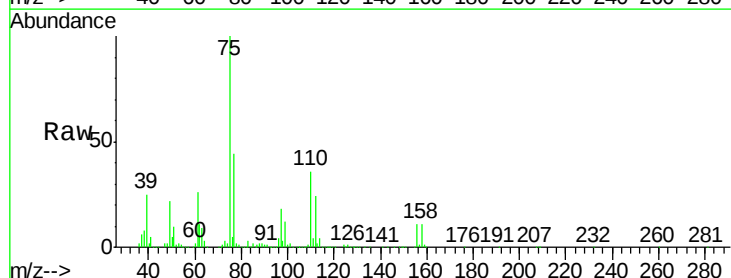
Acq: 29 Jun 2020 12:40

Tgt Ion: 75 Resp: 647747

Ion Ratio Lower Upper

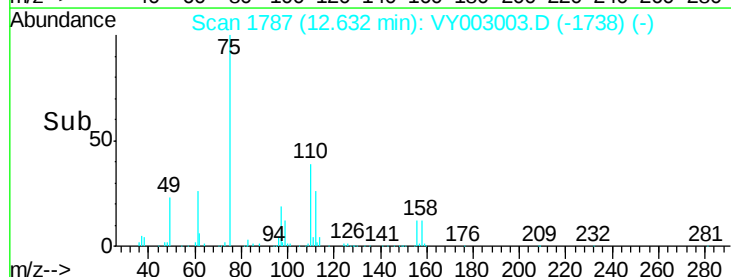
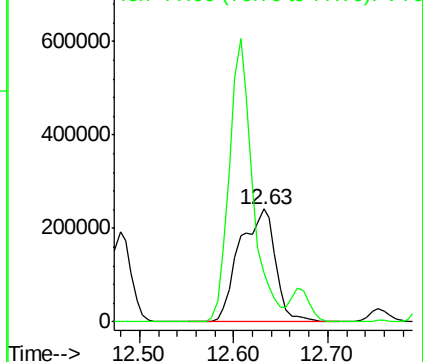
75 100

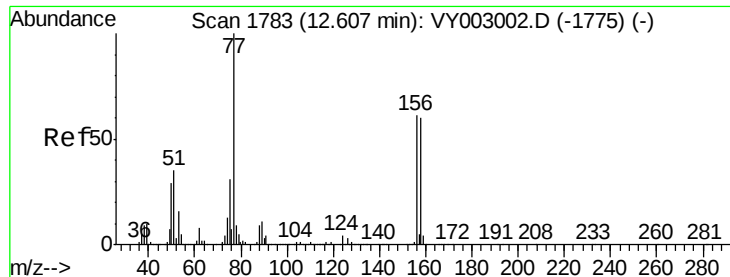
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY003003.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY003003.D (-1738) (-)

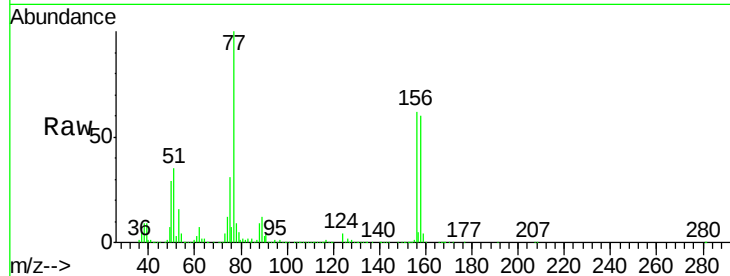




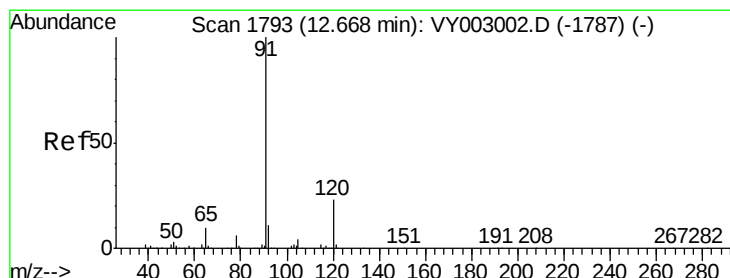
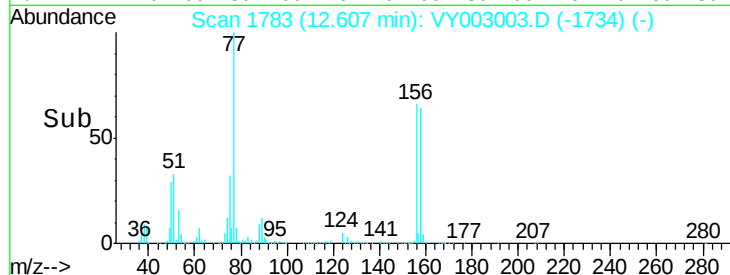
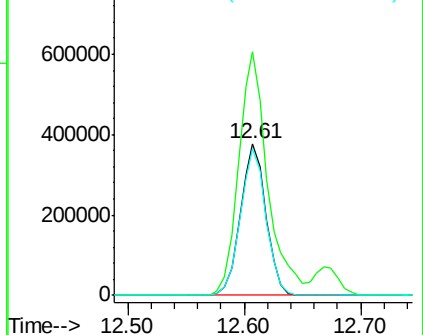
#77
Bromobenzene
Concen: 105.271 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tgt Ion:156 Resp: 572162
Ion Ratio Lower Upper
156 100
77 182.3 90.0 270.0
158 97.6 48.5 145.5

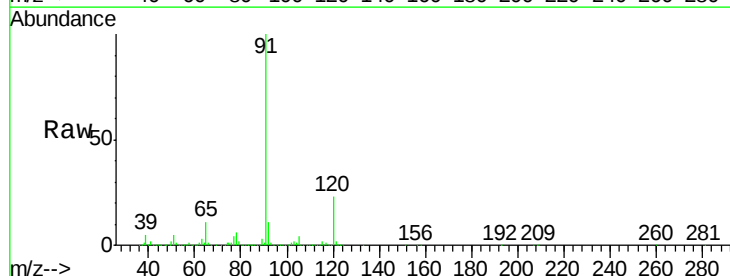


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V

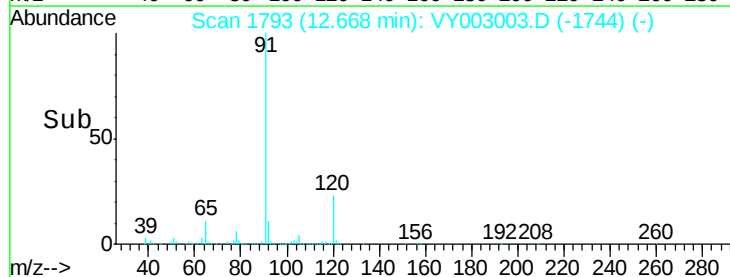
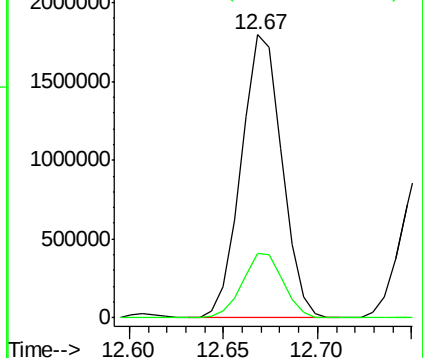


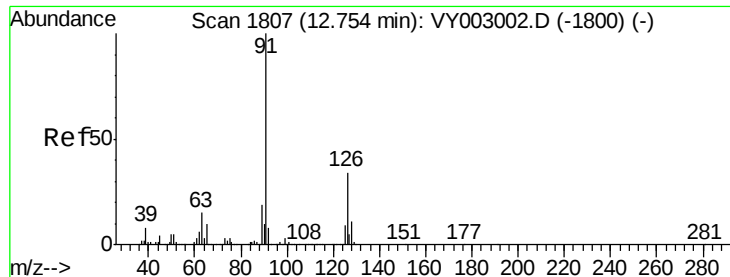
#78
n-propylbenzene
Concen: 105.437 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 91 Resp: 2687963
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 106.029 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

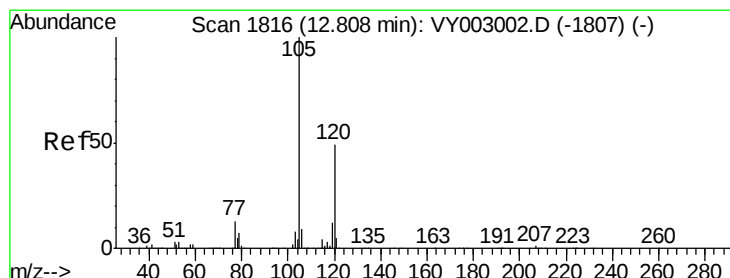
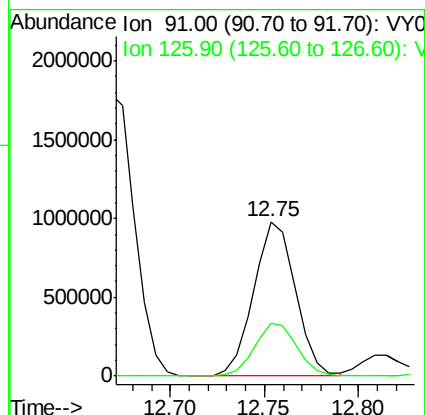
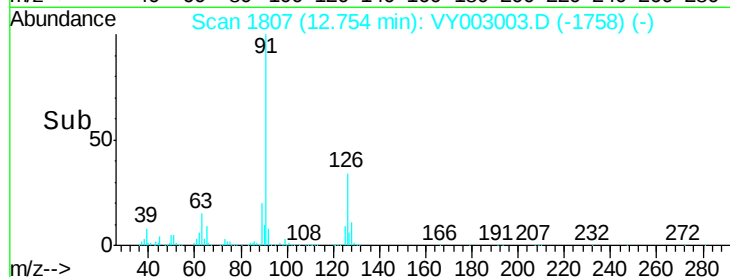
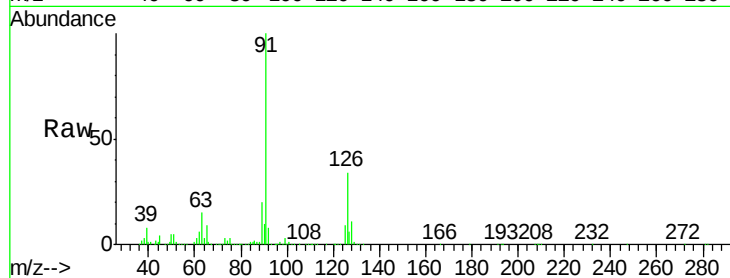
VSTDIC100

Tgt Ion: 91 Resp: 1508782

Ion Ratio Lower Upper

91 100

126 34.6 17.1 51.3



#80

1,3,5-Trimethylbenzene

Concen: 105.841 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003003.D

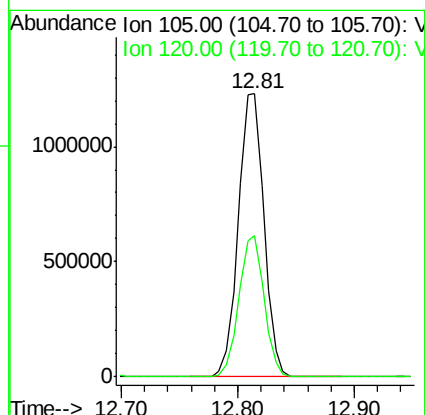
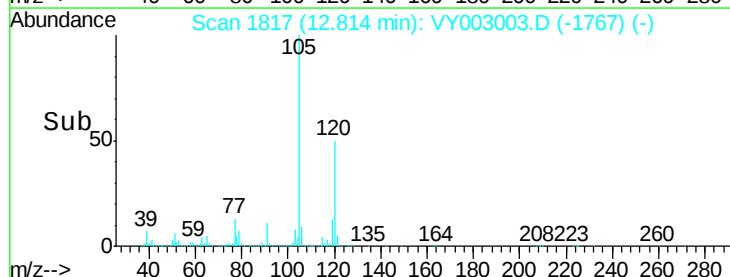
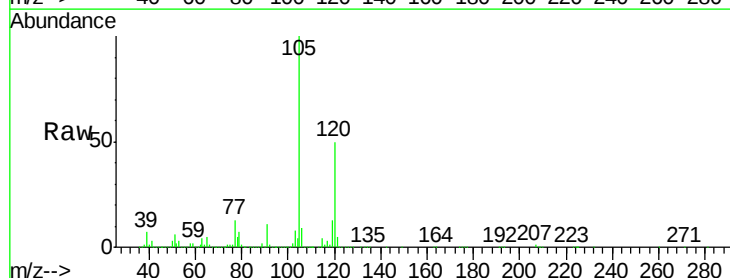
Acq: 29 Jun 2020 12:40

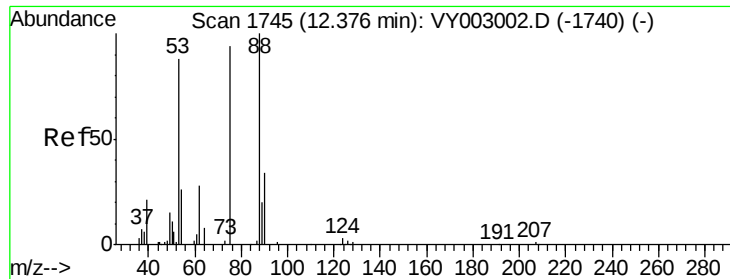
Tgt Ion: 105 Resp: 1882712

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 109.734 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

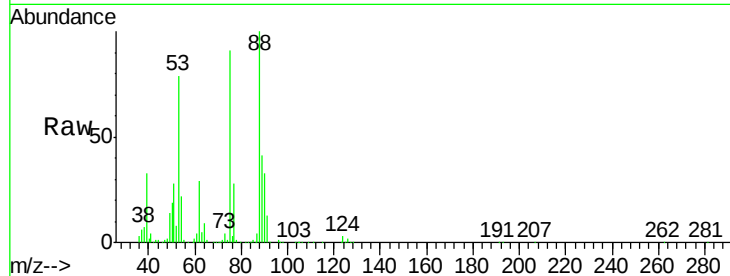
Tgt Ion: 75 Resp: 180803

Ion Ratio Lower Upper

75 100

53 88.4 73.9 110.9

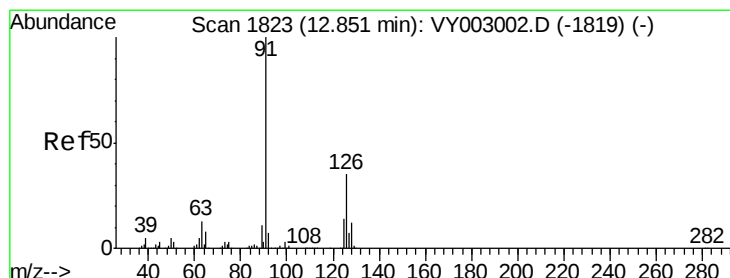
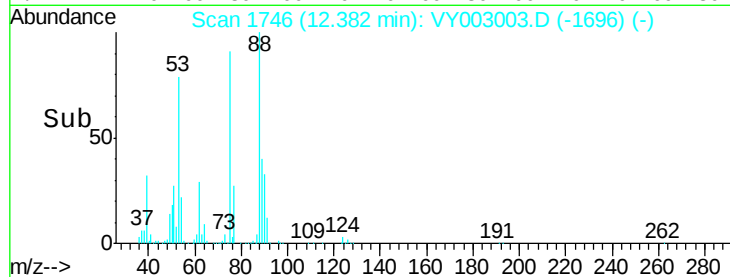
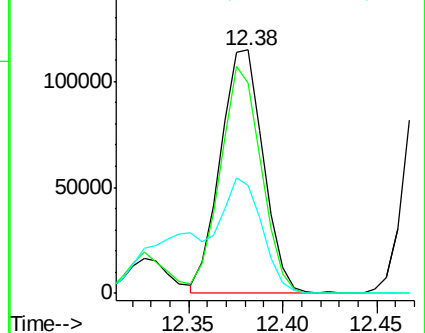
89 47.1 37.5 56.3



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: 105.797 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY003003.D

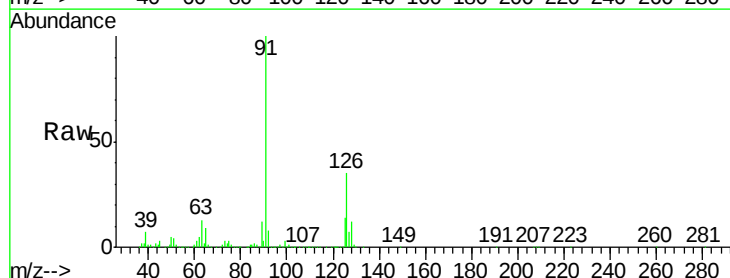
Acq: 29 Jun 2020 12:40

Tgt Ion: 91 Resp: 1567445

Ion Ratio Lower Upper

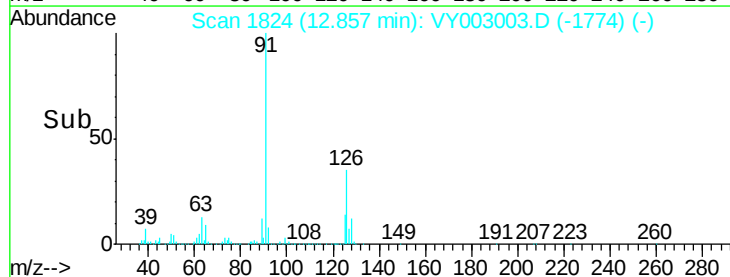
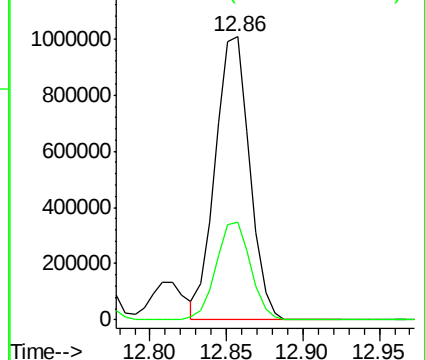
91 100

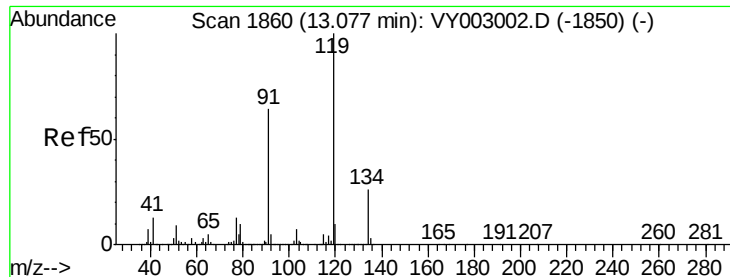
126 34.8 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

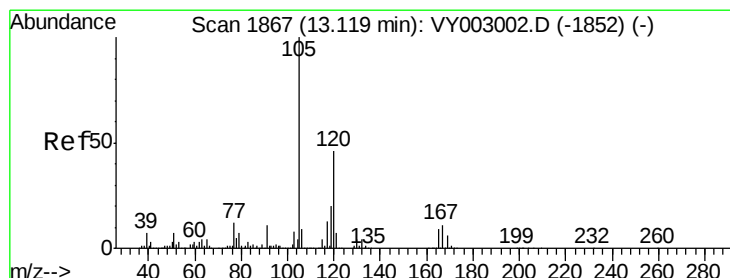
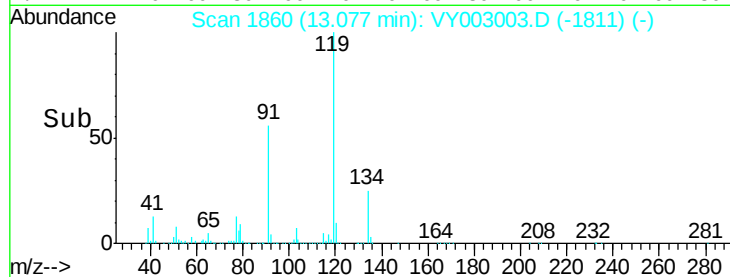
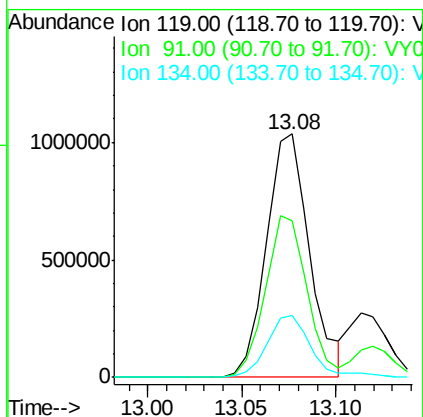
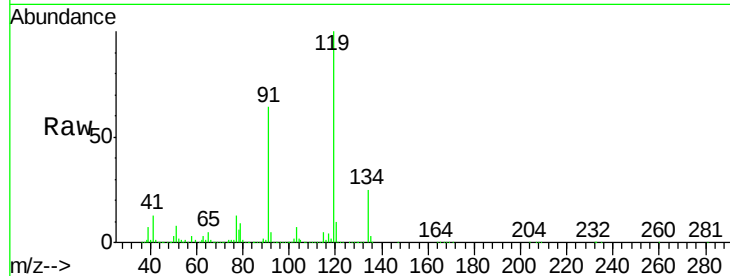




#83
 tert-Butylbenzene
 Concen: 105.359 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

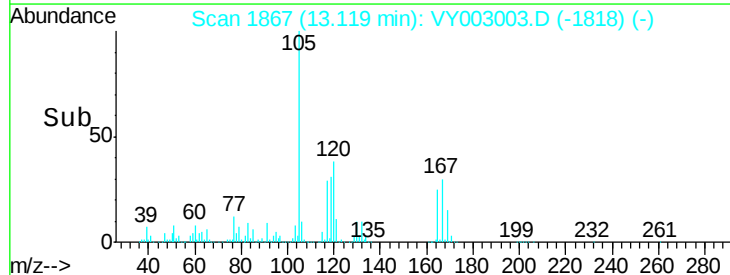
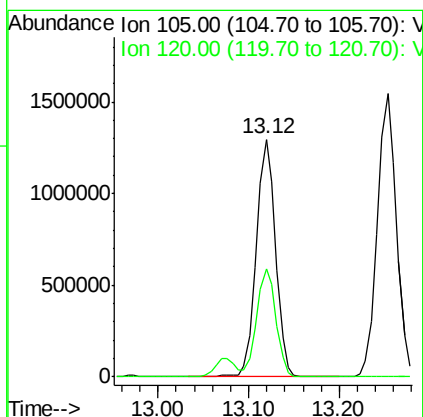
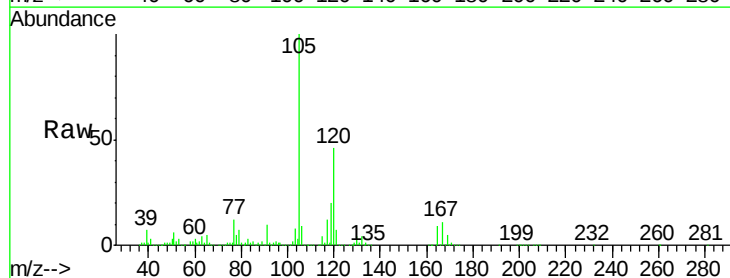
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

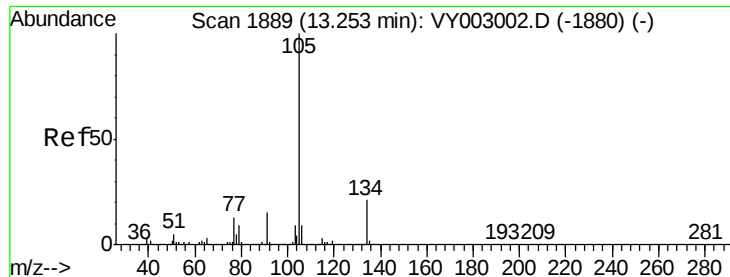
Tgt Ion:119 Resp: 1645648
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.6 95.0
 134 26.4 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 106.279 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion:105 Resp: 1904978
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.8





#85

sec-Butylbenzene

Concen: 104.234 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

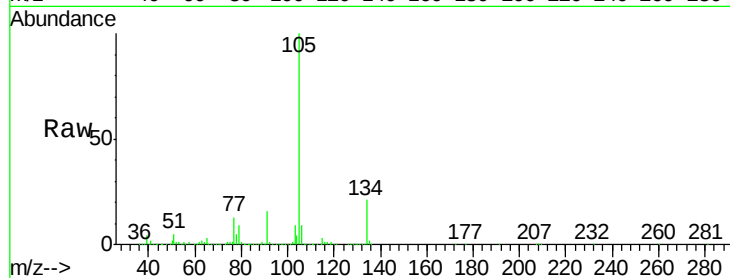
VSTDIC100

Tgt Ion:105 Resp: 2244050

Ion Ratio Lower Upper

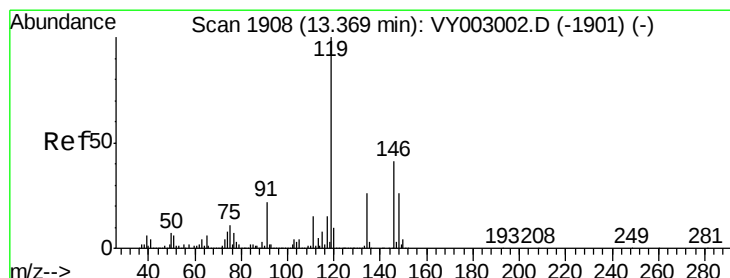
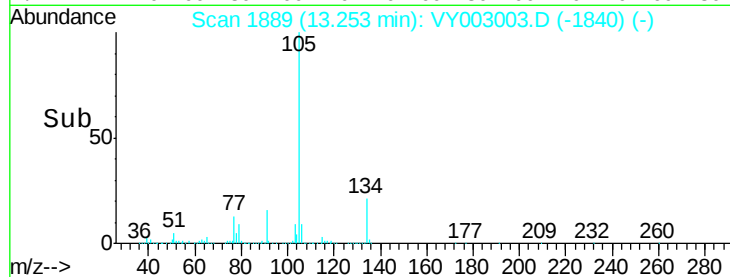
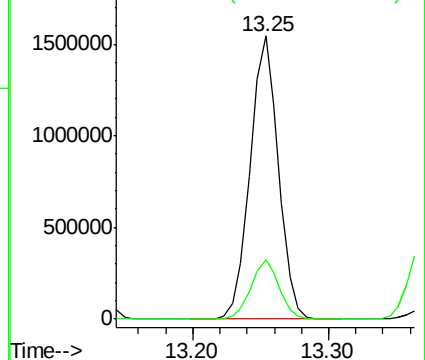
105 100

134 20.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 105.864 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

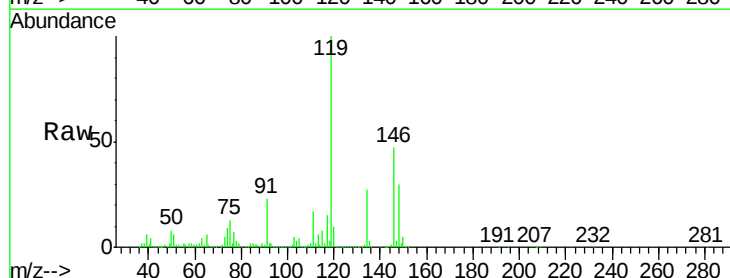
Tgt Ion:119 Resp: 2111886

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

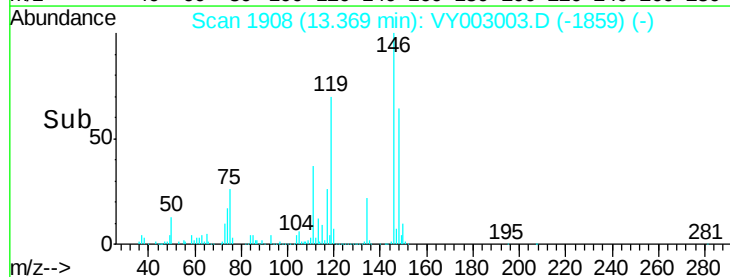
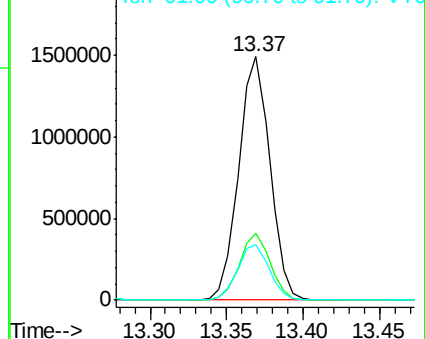
91 23.3 11.5 34.5

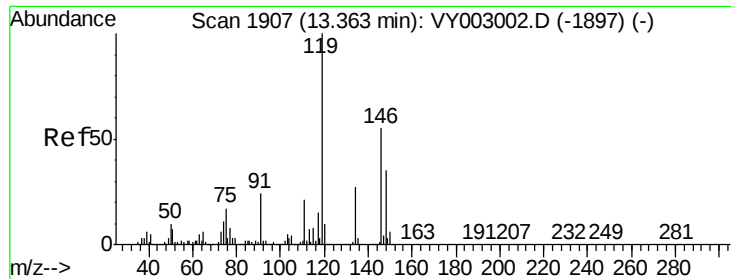


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

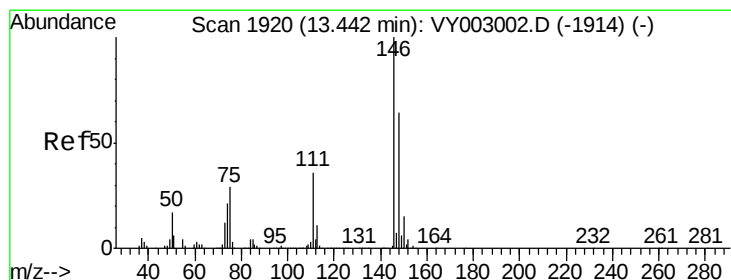
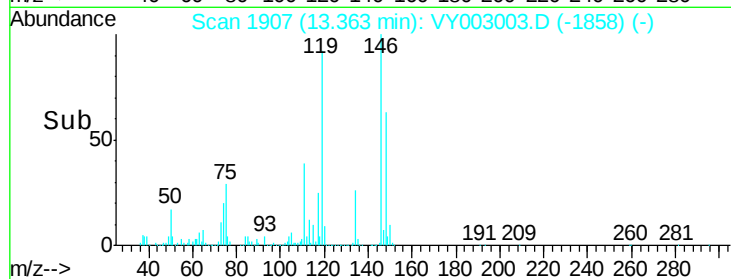
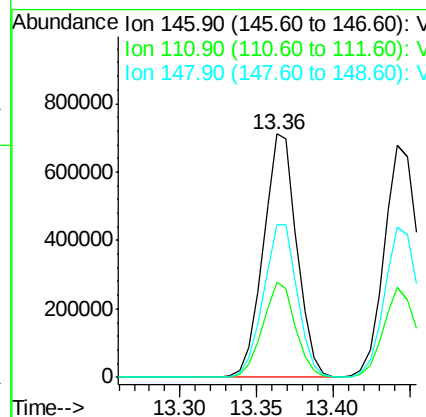
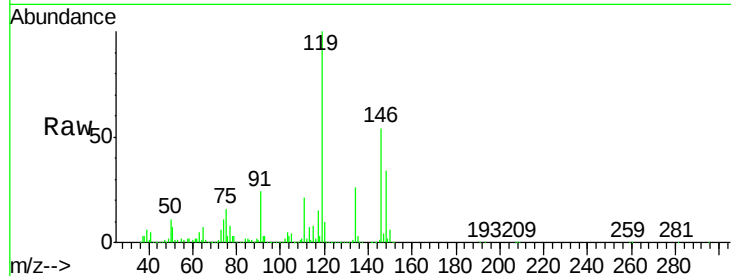




#87
 1,3-Dichlorobenzene
 Concen: 106.858 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

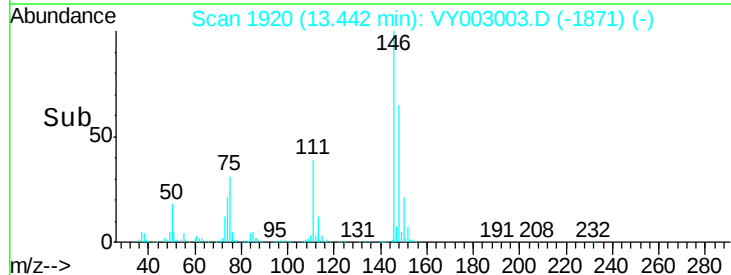
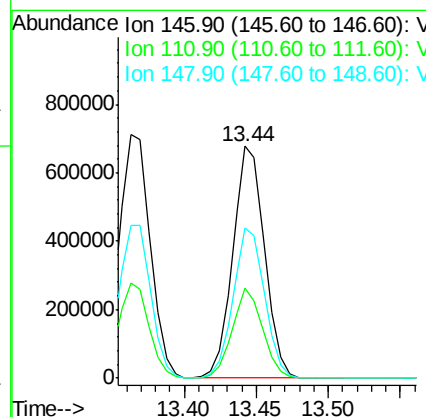
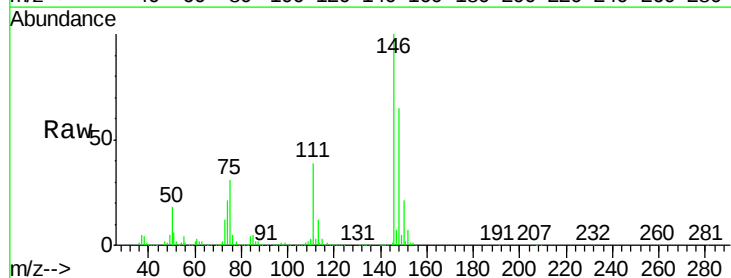
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

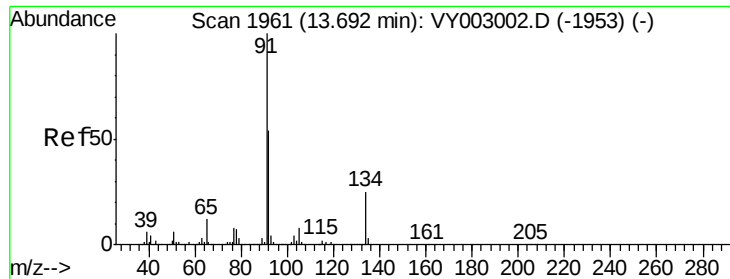
Tgt Ion:146 Resp: 1084317
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.3
 148 63.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 104.310 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion:146 Resp: 1043718
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.4 55.4
 148 64.4 32.3 96.9

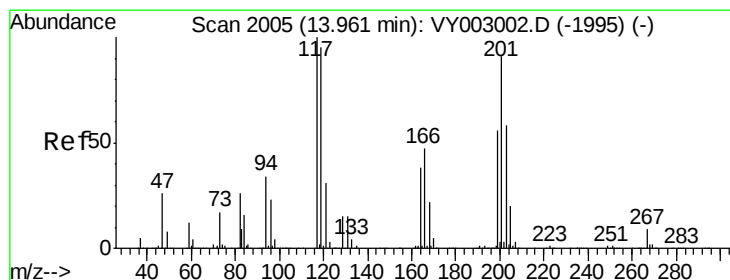
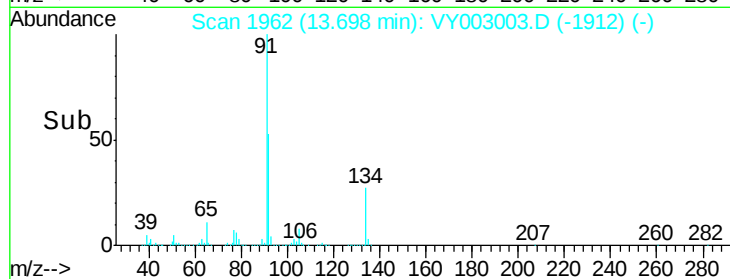
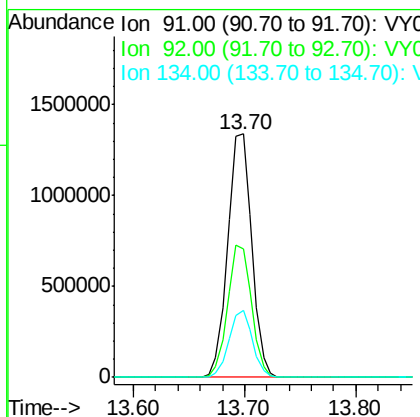
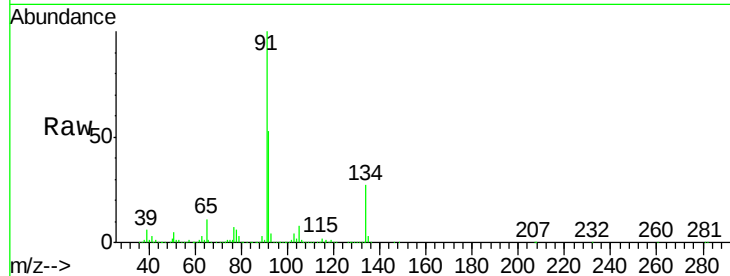




#89
n-Butylbenzene
Concen: 104.510 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

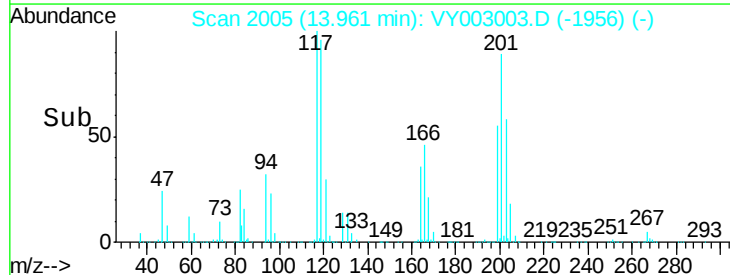
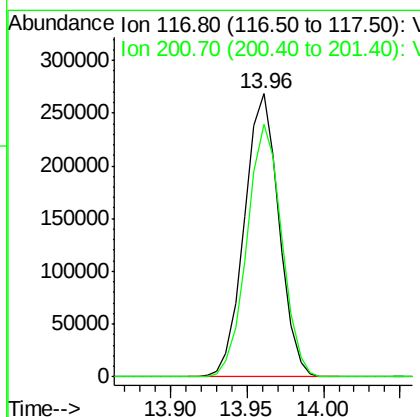
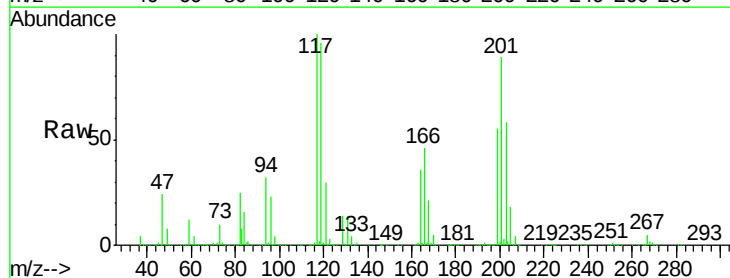
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

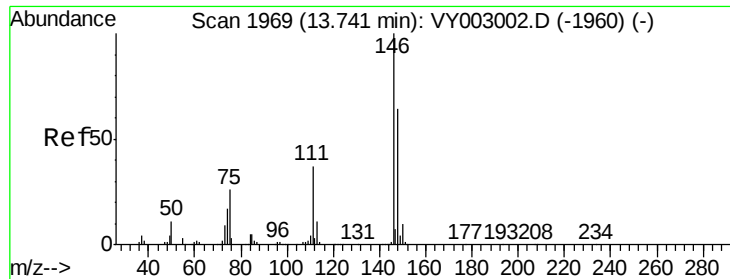
Tgt Ion: 91 Resp: 1994771
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.3
134 26.7 13.1 39.1



#90
Hexachloroethane
Concen: 106.397 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion: 117 Resp: 421472
Ion Ratio Lower Upper
117 100
201 89.5 45.5 136.4





#91

1,2-Dichlorobenzene

Concen: 105.034 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

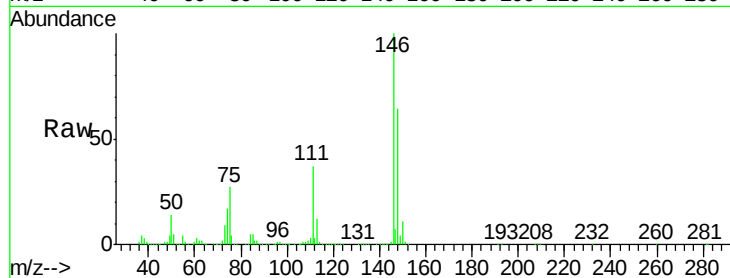
Tgt Ion:146 Resp: 956250

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.5

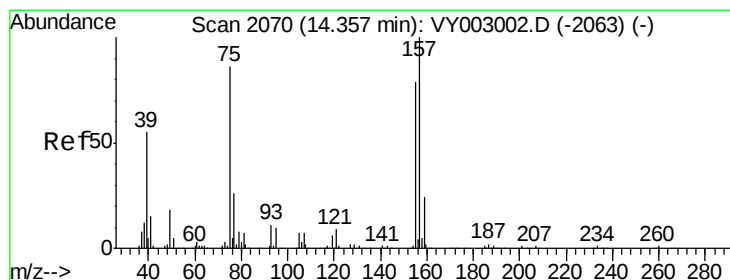
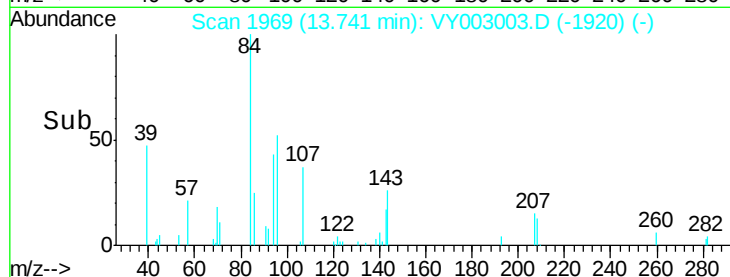
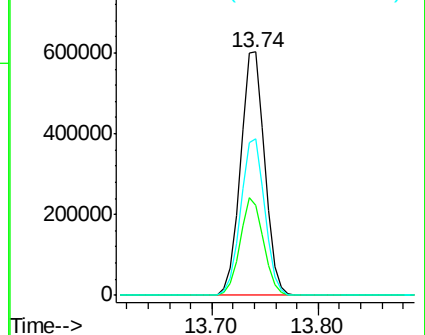
148 64.3 31.8 95.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 108.931 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY003003.D

Acq: 29 Jun 2020 12:40

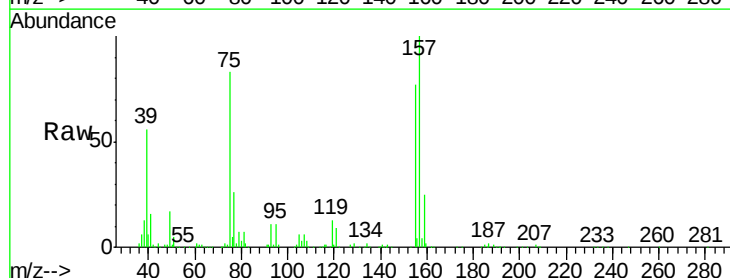
Tgt Ion: 75 Resp: 82491

Ion Ratio Lower Upper

75 100

155 93.1 46.5 139.3

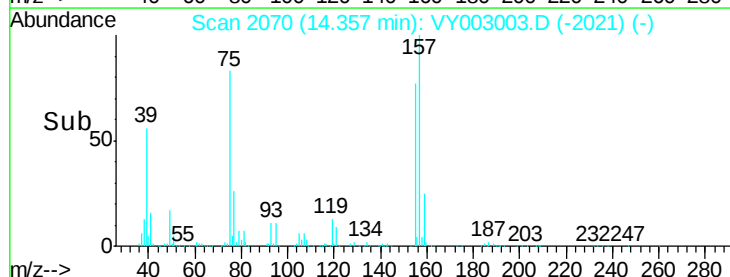
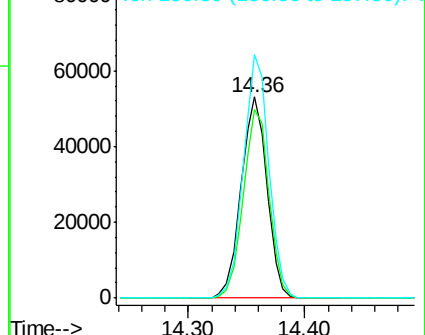
157 119.1 59.2 177.5

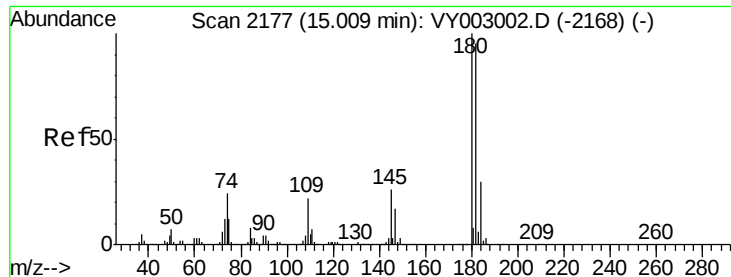


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

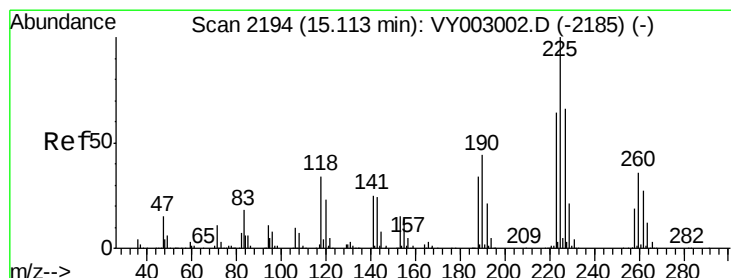
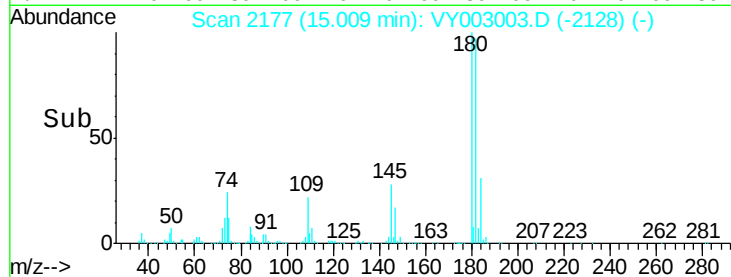
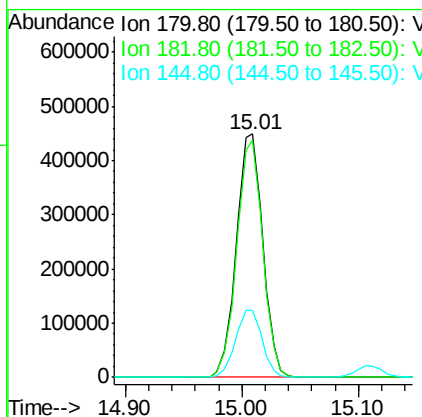
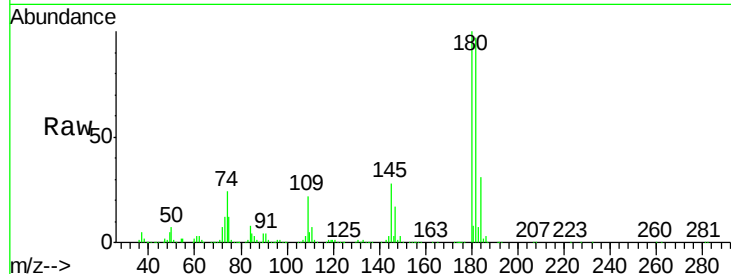




#93
 1,2,4-Trichlorobenzene
 Concen: 105.341 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

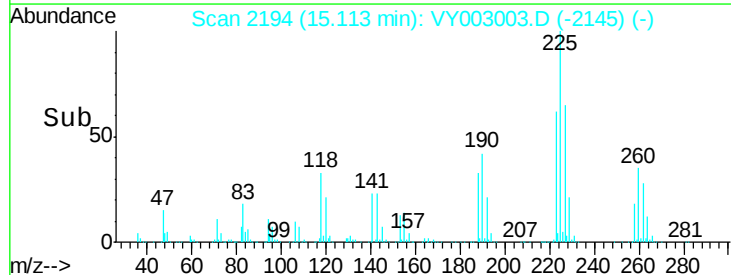
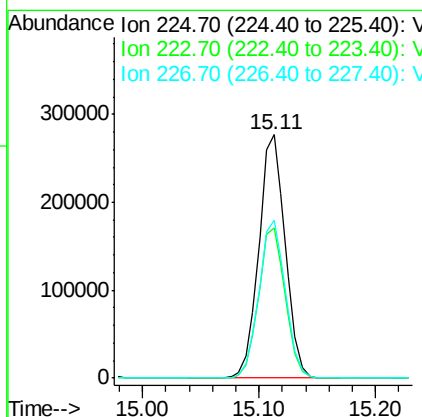
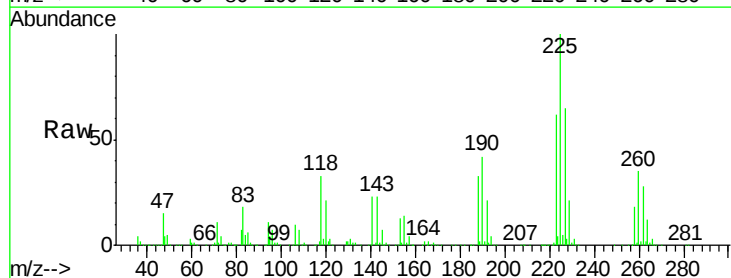
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

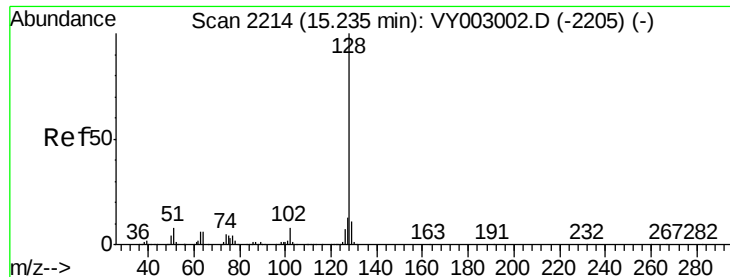
Tgt Ion:180 Resp: 712638
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.1 144.3
 145 27.9 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 102.332 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003003.D
 Acq: 29 Jun 2020 12:40

Tgt Ion:225 Resp: 436667
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.4 97.0
 227 65.1 32.4 97.2

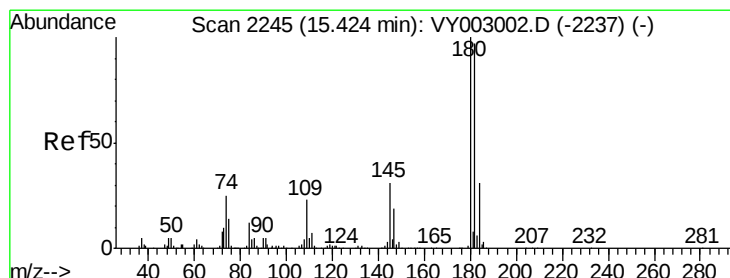
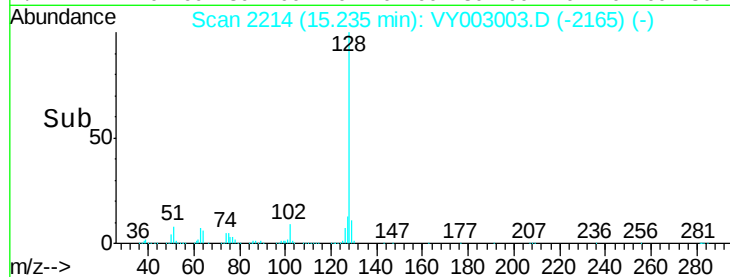
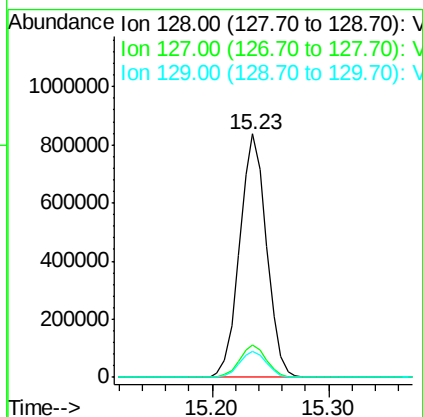
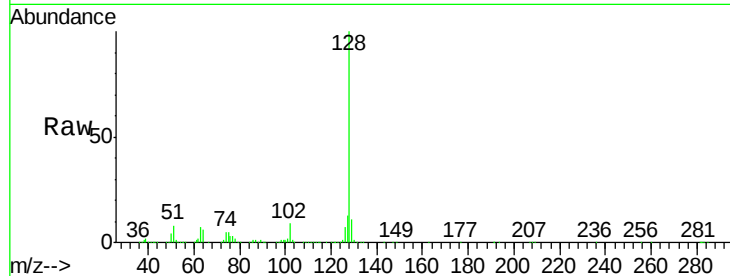




#95
Naphthalene
Concen: 108.904 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC100

Tgt Ion:128 Resp: 1345670
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 105.687 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003003.D
Acq: 29 Jun 2020 12:40

Tgt Ion:180 Resp: 620841
Ion Ratio Lower Upper
180 100
182 95.9 47.8 143.3
145 29.2 14.7 44.1

