

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY090420\
 Data File : VY003432.D
 Acq On : 04 Sep 2020 15:19
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Quant Time: Sep 05 00:32:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y090420S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 05 00:29:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	669141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	1105155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	994134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	483025	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	71673	10.32	ug/l	0.00
Spiked Amount			Recovery	=	20.64%	
35) Dibromofluoromethane	7.72	113	63137	9.89	ug/l	0.00
Spiked Amount			Recovery	=	19.78%	
50) Toluene-d8	10.17	98	273120	10.14	ug/l	0.00
Spiked Amount			Recovery	=	20.28%	
62) 4-Bromofluorobenzene	12.48	95	93473	10.29	ug/l	0.00
Spiked Amount			Recovery	=	20.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	63217	11.234	ug/l	98
3) Chloromethane	2.11	50	82424	10.211	ug/l	98
4) Vinyl Chloride	2.25	62	70885	10.562	ug/l	99
5) Bromomethane	2.65	94	56471	10.894	ug/l	96
6) Chloroethane	2.79	64	34500	10.678	ug/l	95
7) Trichlorofluoromethane	3.13	101	115594	11.015	ug/l	97
8) Diethyl Ether	3.53	74	44473	10.268	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.91	101	71182	10.447	ug/l	97
10) Methyl Iodide	4.09	142	40065	9.010	ug/l	94
11) Tert butyl alcohol	4.96	59	64080	54.766	ug/l #	94
12) 1,1-Dichloroethene	3.87	96	71294	10.236	ug/l	86
13) Acrolein	3.74	56	29921	52.096	ug/l	96
14) Allyl chloride	4.48	41	132763	10.978	ug/l #	92
15) Acrylonitrile	5.16	53	119659	52.263	ug/l	99
16) Acetone	3.96	43	117680	58.653	ug/l	89
17) Carbon Disulfide	4.19	76	233513	10.432	ug/l	100
18) Methyl Acetate	4.48	43	54305	10.287	ug/l	89
19) Methyl tert-butyl Ether	5.22	73	196495	10.446	ug/l	97
20) Methylene Chloride	4.72	84	114048	10.493	ug/l	85
21) trans-1,2-Dichloroethene	5.22	96	81891	10.295	ug/l	91
22) Diisopropyl ether	6.12	45	271225	10.908	ug/l	96
23) Vinyl Acetate	6.07	43	881344	54.552	ug/l	94
24) 1,1-Dichloroethane	6.02	63	144699	10.701	ug/l	99
25) 2-Butanone	6.99	43	167419	52.065	ug/l	98
26) 2,2-Dichloropropane	6.99	77	123108	10.537	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	89342	10.061	ug/l	98
28) Bromochloromethane	7.33	49	69704	10.267	ug/l	93
29) Tetrahydrofuran	7.35	42	109040	51.701	ug/l	98
30) Chloroform	7.51	83	134276	10.083	ug/l	97
31) Cyclohexane	7.78	56	150705	10.403	ug/l #	85
32) 1,1,1-Trichloroethane	7.71	97	116690	10.307	ug/l	99
36) 1,1-Dichloropropene	7.92	75	112805	10.421	ug/l	98
37) Ethyl Acetate	7.08	43	70148	10.176	ug/l	100
38) Carbon Tetrachloride	7.89	117	103752	10.513	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	145745	10.411	ug/l	98
40) Benzene	8.16	78	328253	10.171	ug/l	99
41) Methacrylonitrile	7.32	41	34255	8.992	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	89286	10.350	ug/l	97
43) Isopropyl Acetate	8.27	43	128088	10.282	ug/l	99
44) Trichloroethene	8.94	130	87920	10.177	ug/l	97
45) 1,2-Dichloropropane	9.22	63	84081	10.106	ug/l	96
46) Dibromomethane	9.30	93	44198	10.140	ug/l	97
47) Bromodichloromethane	9.50	83	105172	10.328	ug/l #	93
48) Methyl methacrylate	9.29	41	59425	10.305	ug/l	93
49) 1,4-Dioxane	9.30	88	12487	207.557	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	348987	51.541	ug/l	99
52) Toluene	10.24	92	200251	10.222	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	110758	10.125	ug/l	100
54) cis-1,3-Dichloropropene	9.92	75	128991	9.977	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	63822	10.080	ug/l	98
56) Ethyl methacrylate	10.51	69	83628	9.766	ug/l	96
57) 1,3-Dichloropropane	10.79	76	113662	10.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	241082	52.132	ug/l	99
59) 2-Hexanone	10.83	43	239089	51.829	ug/l	98
60) Dibromochloromethane	10.98	129	72980	10.201	ug/l	98
61) 1,2-Dibromoethane	11.09	107	60547	10.202	ug/l	98
64) Tetrachloroethene	10.72	164	87002	10.353	ug/l	97
65) Chlorobenzene	11.52	112	212149	10.162	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	73402	10.108	ug/l	98
67) Ethyl Benzene	11.59	91	386103	10.342	ug/l	99
68) m/p-Xylenes	11.70	106	289688	20.565	ug/l	98
69) o-Xylene	12.03	106	135261	10.177	ug/l	98
70) Styrene	12.04	104	220573	10.051	ug/l	99
71) Bromoform	12.20	173	42885	9.896	ug/l #	97
73) Isopropylbenzene	12.33	105	369717	10.309	ug/l	100
74) N-amyl acetate	12.14	43	113861	10.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	73953	10.146	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	103807	19.578	ug/l #	100
77) Bromobenzene	12.61	156	85403	10.134	ug/l	99
78) n-propylbenzene	12.67	91	454942	10.394	ug/l	99
79) 2-Chlorotoluene	12.75	91	250149	10.394	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	307635	10.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	27657	10.236	ug/l	96
82) 4-Chlorotoluene	12.85	91	263943	10.298	ug/l	99
83) tert-Butylbenzene	13.07	119	269678	10.616	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	309798	10.367	ug/l	100
85) sec-Butylbenzene	13.25	105	387242	10.536	ug/l	99
86) p-Isopropyltoluene	13.37	119	339427	10.388	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	171757	10.514	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	171218	10.414	ug/l	97
89) n-Butylbenzene	13.69	91	354519	10.794	ug/l	100
90) Hexachloroethane	13.96	117	62299	10.490	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	154005	10.358	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12940	10.791	ug/l	89

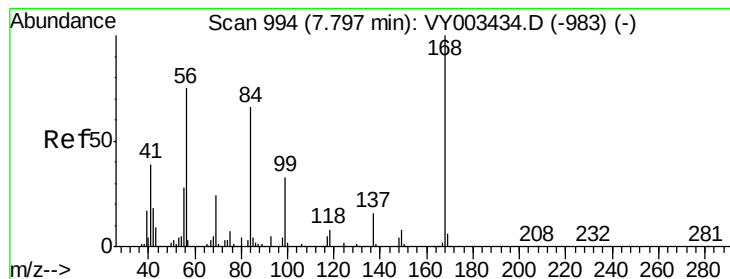
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY090420\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	105586	10.498	ug/l	99
94) Hexachlorobutadiene	15.11	225	56210	10.441	ug/l	100
95) Naphthalene	15.23	128	216801	10.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	94438	10.571	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

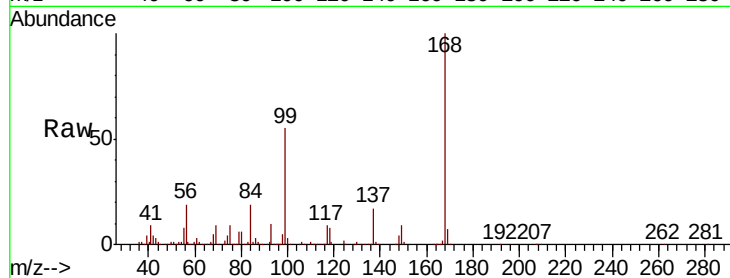
VSTDIC010

Tot Ion:168 Resp: 669141

Ion Ratio Lower Upper

168 100

99 55.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VY003434.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003434.D (-983) (-)

7.79

300000

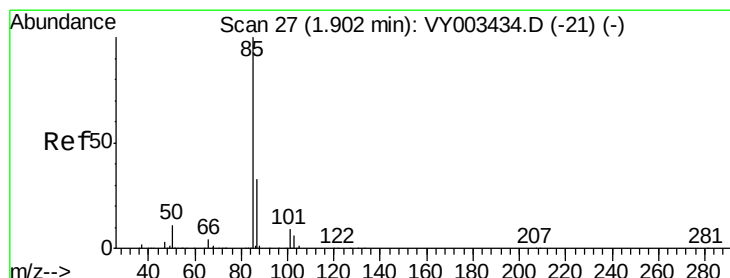
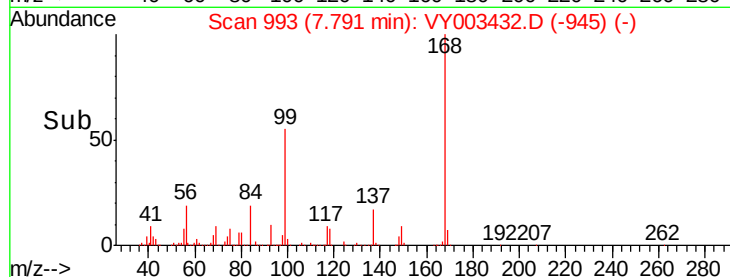
200000

100000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 11.234 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003432.D

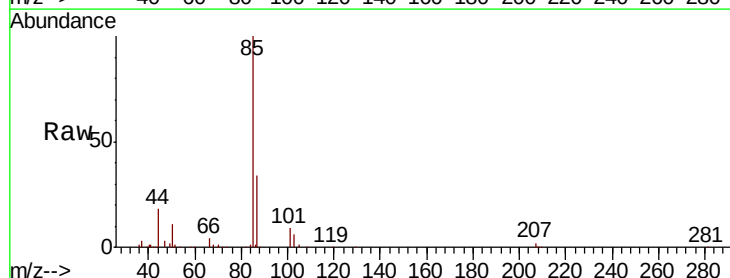
Acq: 04 Sep 2020 15:19

Tgt Ion: 85 Resp: 63217

Ion Ratio Lower Upper

85 100

87 33.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY003434.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY003434.D (-21) (-)

1.90

40000

30000

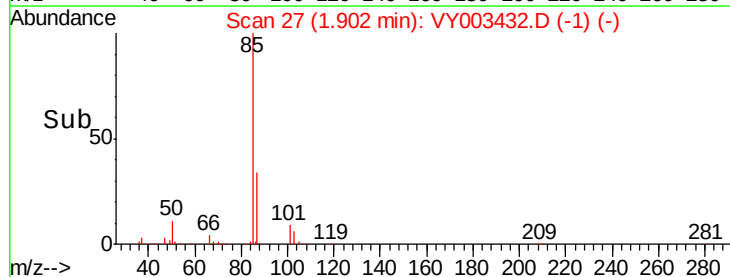
20000

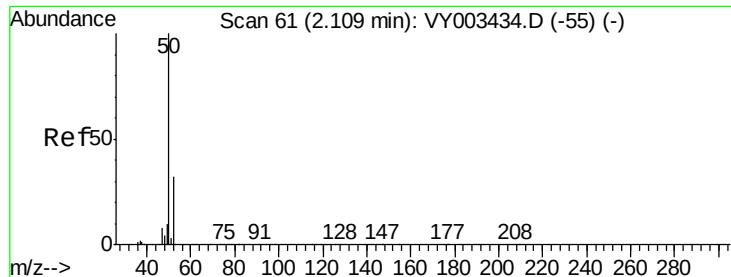
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 10.211 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

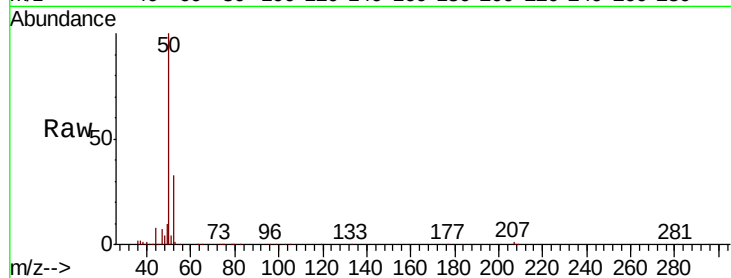
VSTDIC010

Tot Ion: 50 Resp: 82424

Ion Ratio Lower Upper

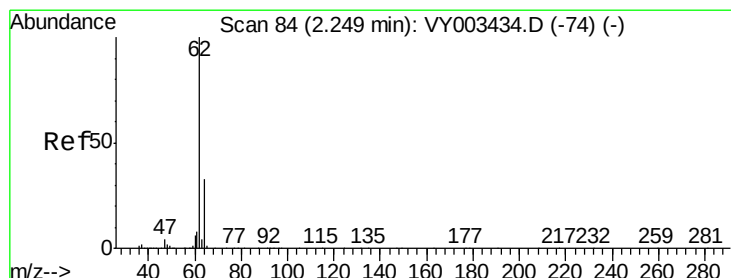
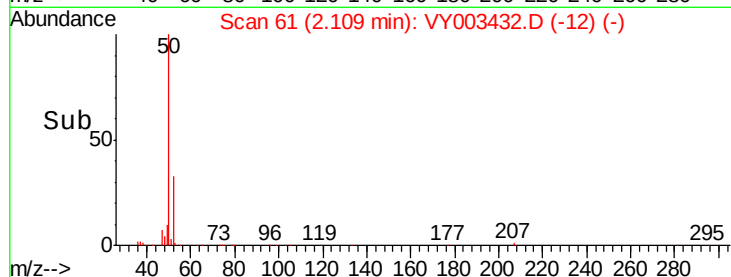
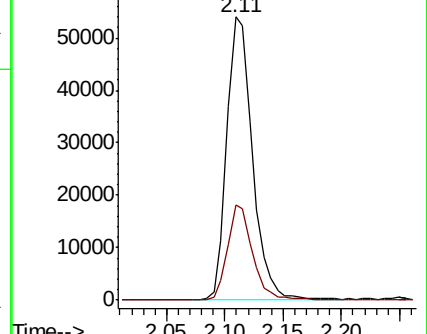
50 100

52 33.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 10.562 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY003432.D

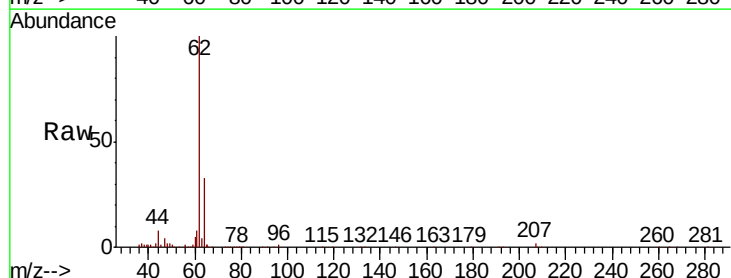
Acq: 04 Sep 2020 15:19

Tgt Ion: 62 Resp: 70885

Ion Ratio Lower Upper

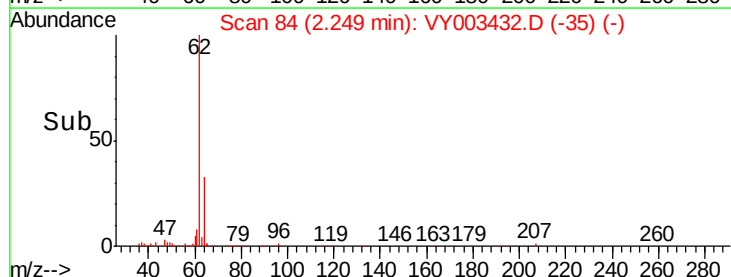
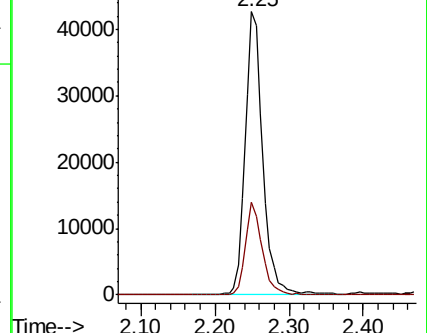
62 100

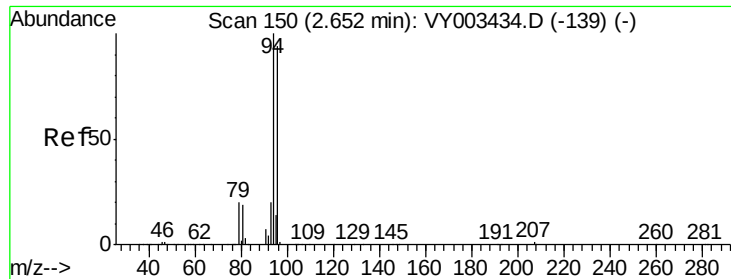
64 32.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 10.894 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

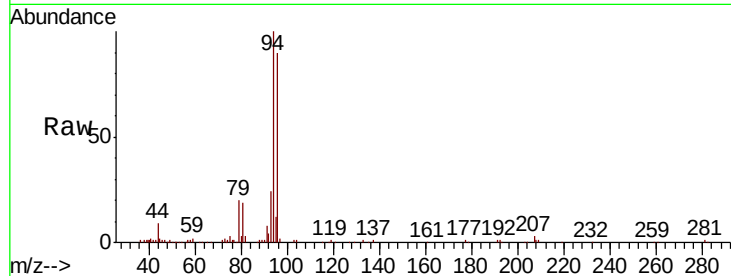
VSTDIC010

Tot Ion: 94 Resp: 56471

Ion Ratio Lower Upper

94 100

96 89.5 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

30000

25000

20000

15000

10000

5000

0

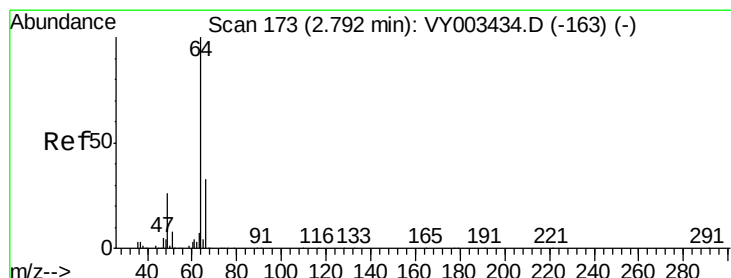
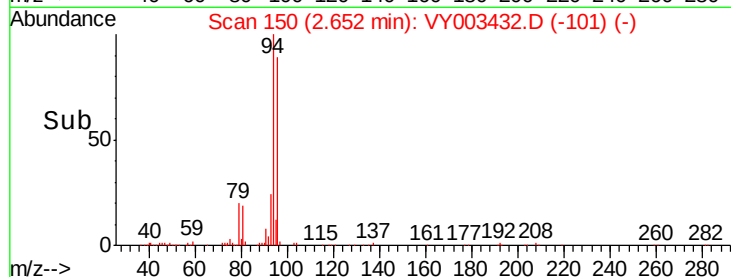
Time-->

2.50

2.60

2.70

2.80



#6

Chloroethane

Concen: 10.678 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY003432.D

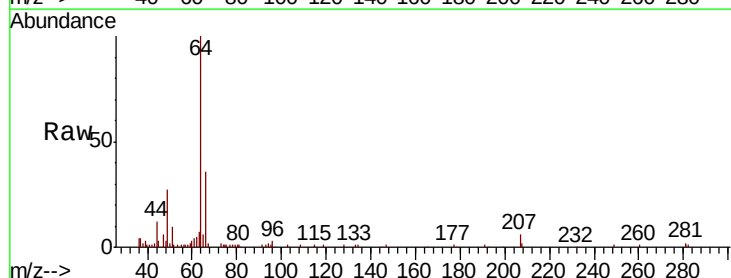
Acq: 04 Sep 2020 15:19

Tgt Ion: 64 Resp: 34500

Ion Ratio Lower Upper

64 100

66 35.6 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

15000

10000

5000

0

Time-->

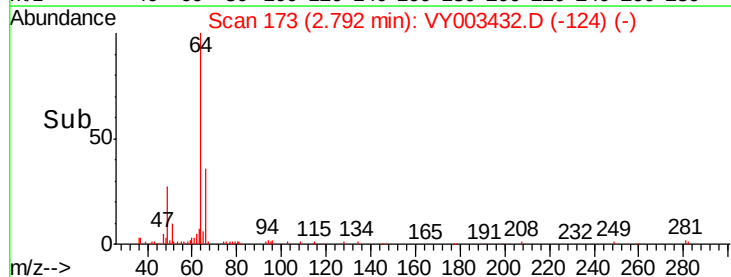
2.70

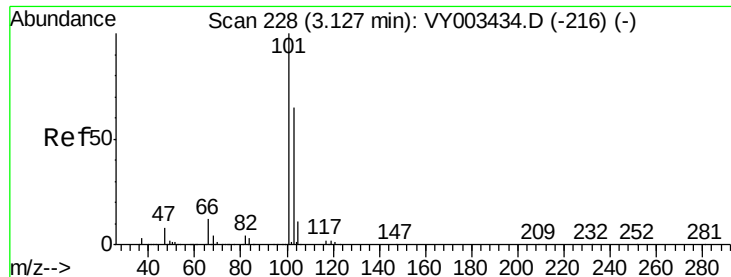
2.75

2.80

2.85

2.90



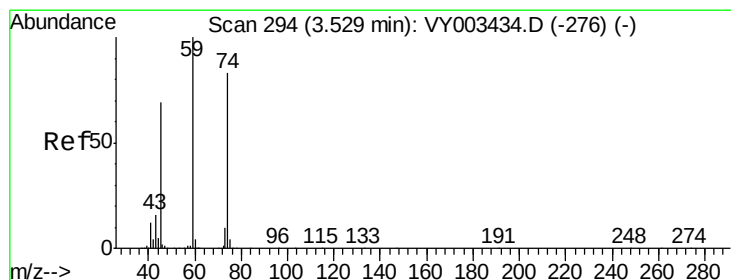
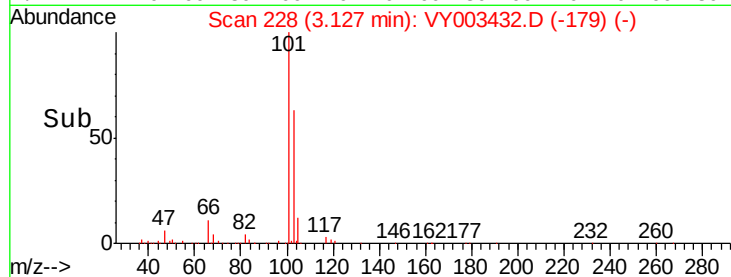
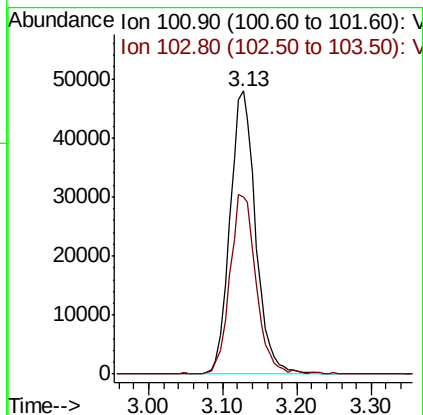
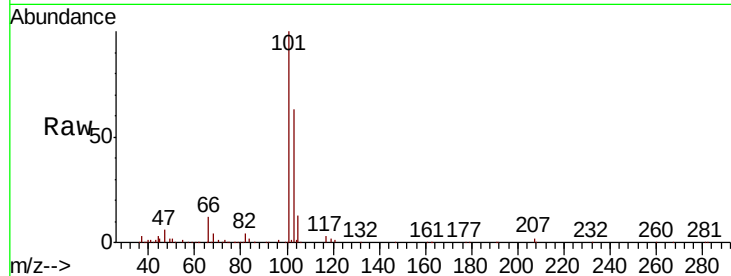


#7

Trichlorofluoromethane
Concen: 11.015 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

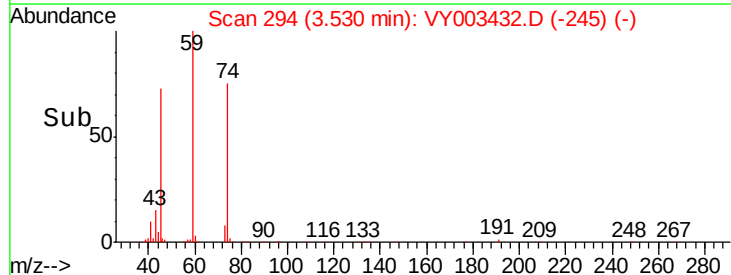
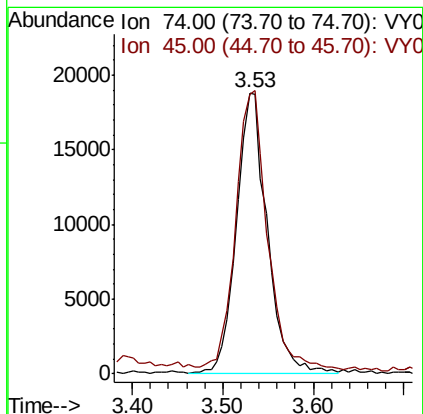
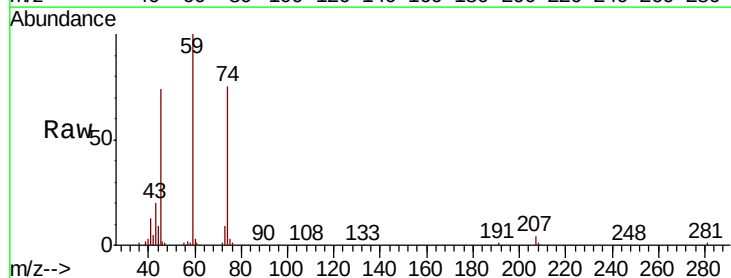
Tot Ion:101 Resp: 115594
Ion Ratio Lower Upper
101 100
103 62.5 51.7 77.5

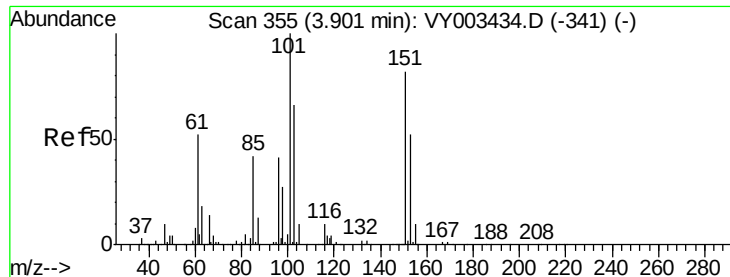


#8

Diethyl Ether
Concen: 10.268 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion: 74 Resp: 44473
Ion Ratio Lower Upper
74 100
45 101.0 40.6 122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.447 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

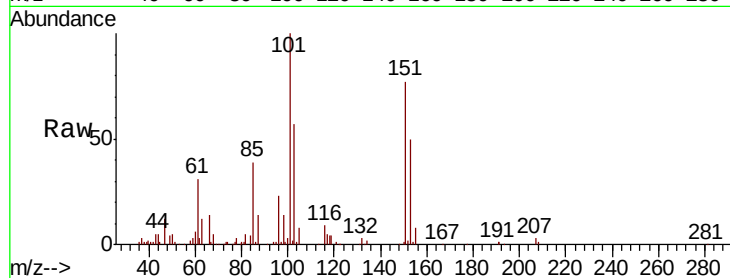
Tot Ion:101 Resp: 71182

Ion Ratio Lower Upper

101 100

85 44.1 33.1 49.7

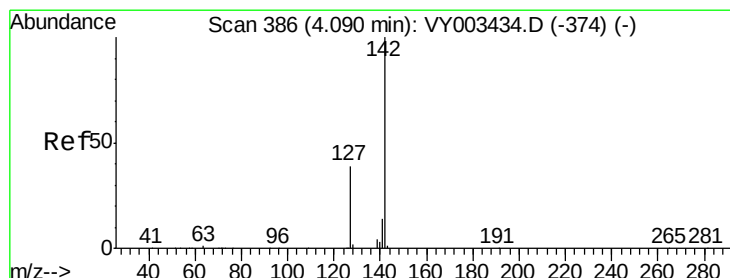
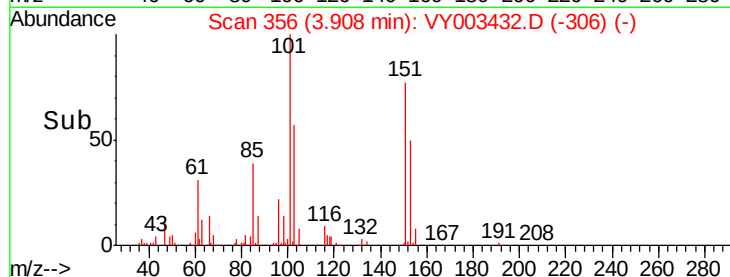
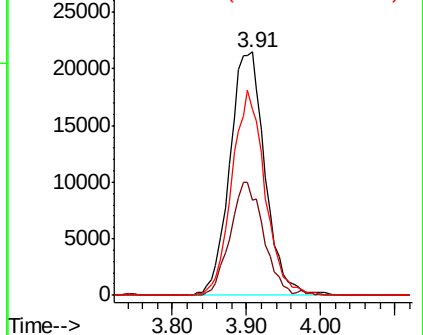
151 79.2 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.010 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

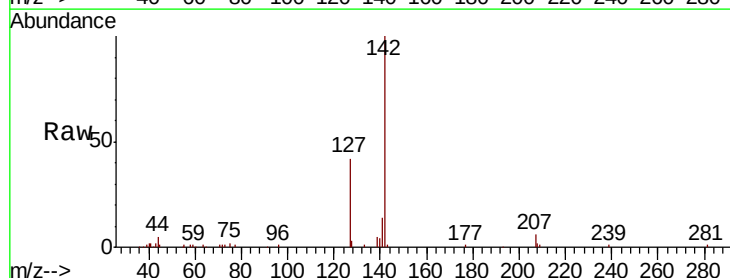
Tgt Ion:142 Resp: 40065

Ion Ratio Lower Upper

142 100

127 42.4 30.5 45.7

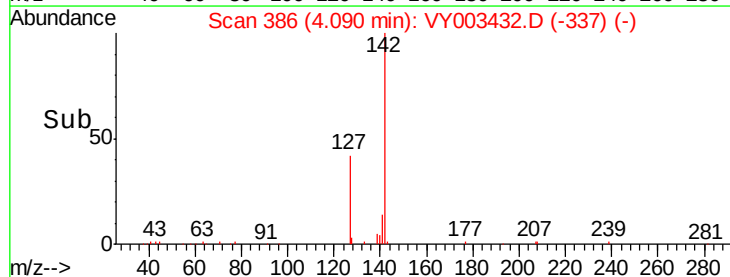
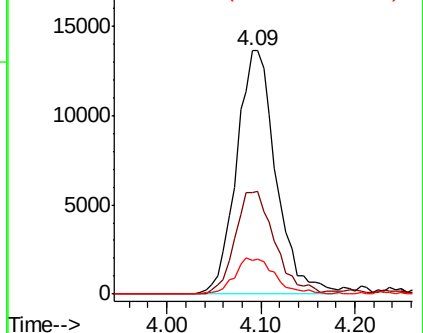
141 15.0 11.4 17.2

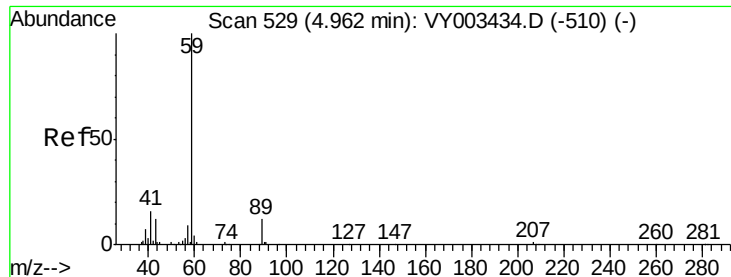


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 54.766 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

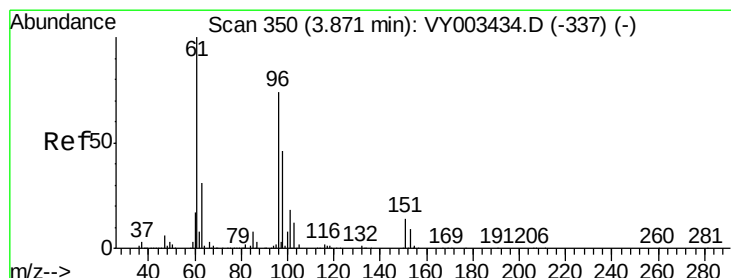
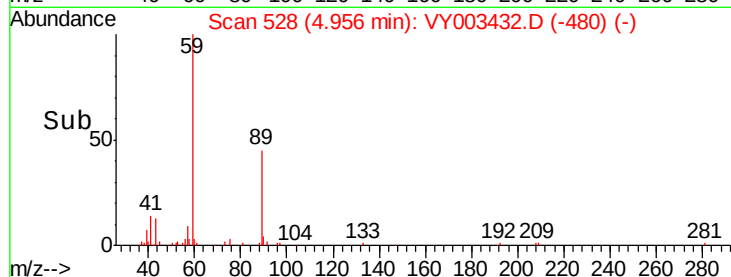
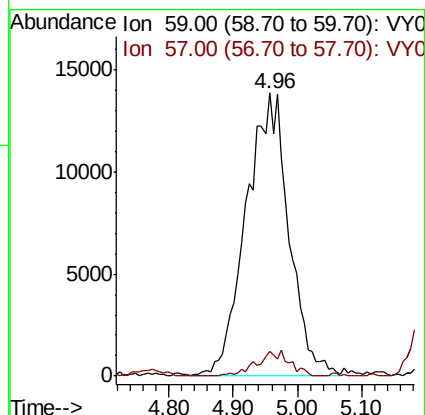
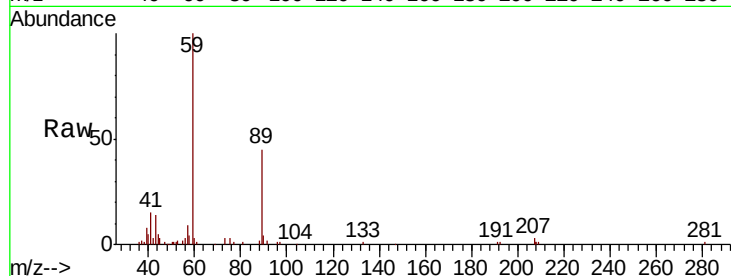
VSTDIC010

Tot Ion: 59 Resp: 64080

Ion Ratio Lower Upper

59 100

57 6.9 7.4 11.0#



#12

1,1-Dichloroethene

Concen: 10.236 ug/l

RT: 3.87 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

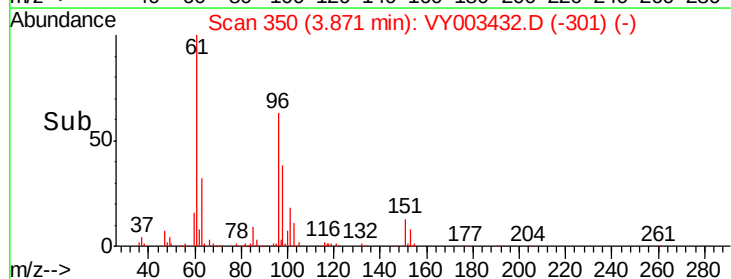
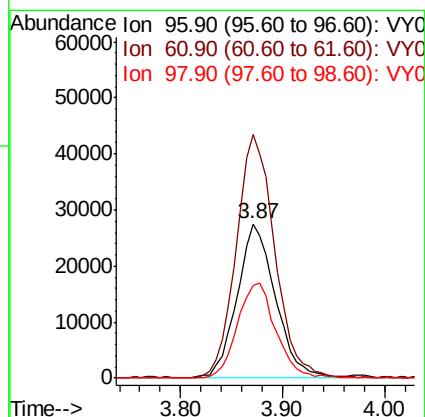
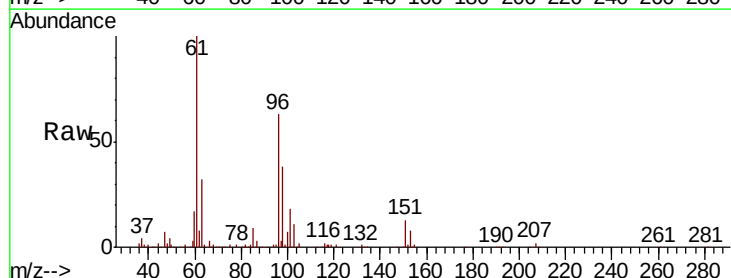
Tgt Ion: 96 Resp: 71294

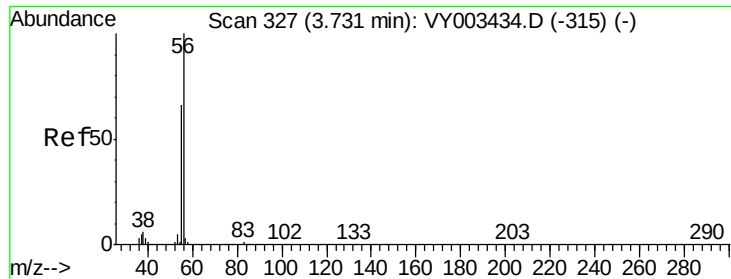
Ion Ratio Lower Upper

96 100

61 158.1 108.6 163.0

98 59.8 50.5 75.7





#13

Acrolein

Concen: 52.096 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

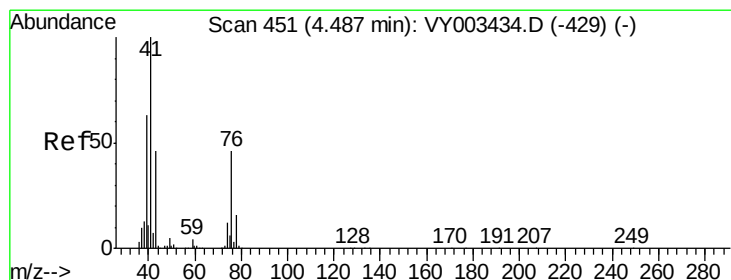
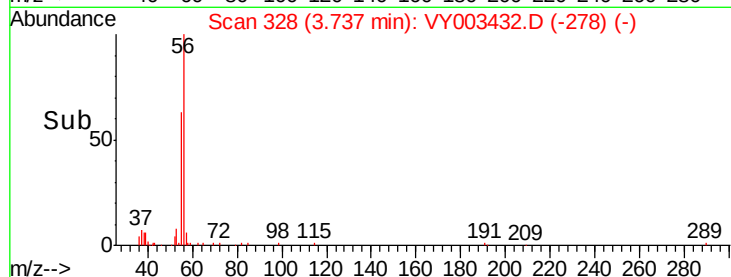
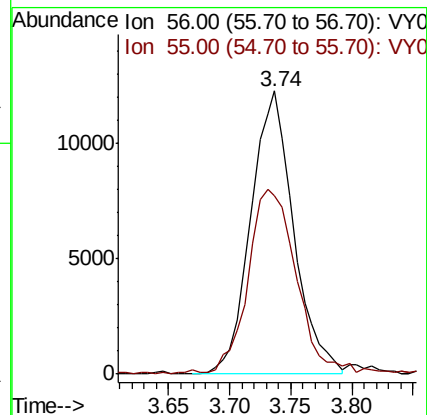
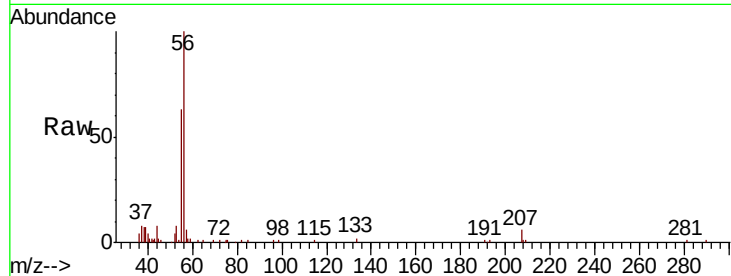
VSTDIC010

Tot Ion: 56 Resp: 29921

Ion Ratio Lower Upper

56 100

55 72.6 55.2 82.8



#14

Allyl chloride

Concen: 10.978 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

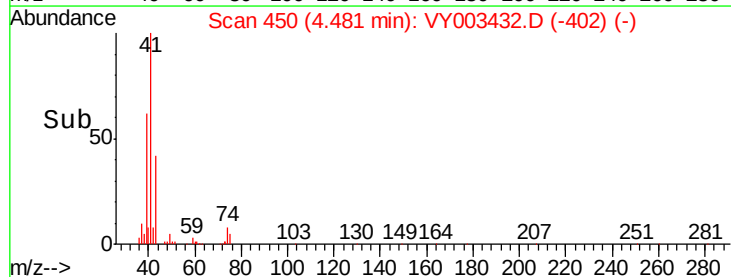
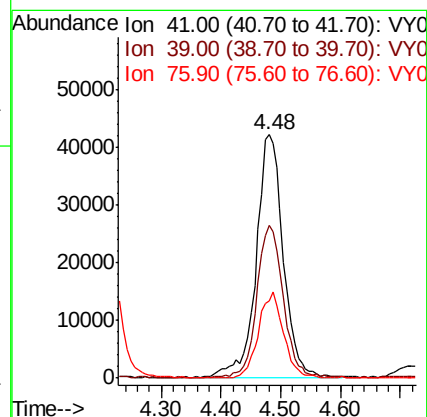
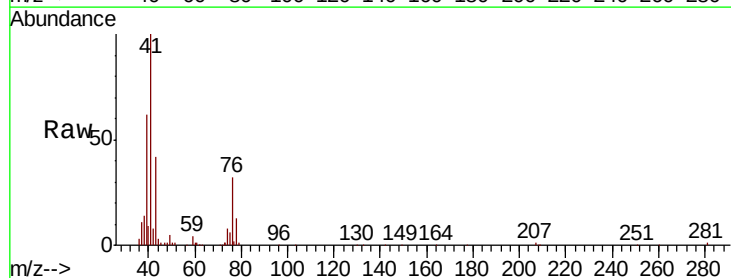
Tgt Ion: 41 Resp: 132763

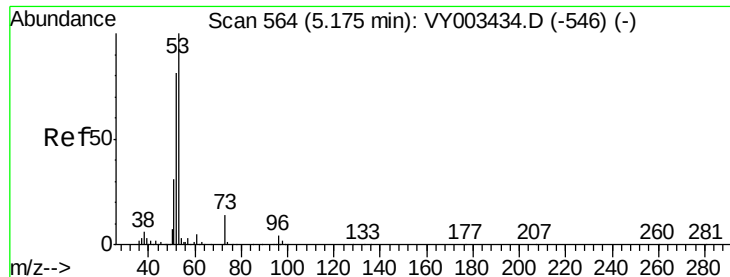
Ion Ratio Lower Upper

41 100

39 61.2 48.2 72.4

76 32.9 35.1 52.7#





#15

Acrylonitrile

Concen: 52.263 ug/l

RT: 5.16 min Scan# 562

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

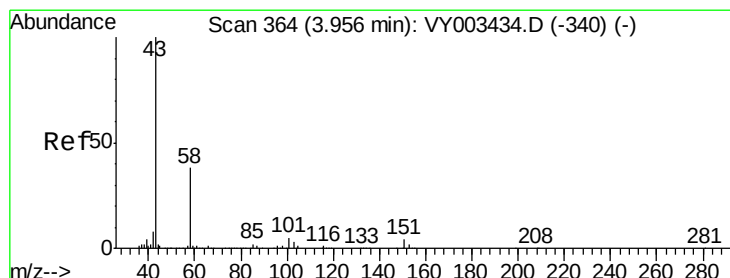
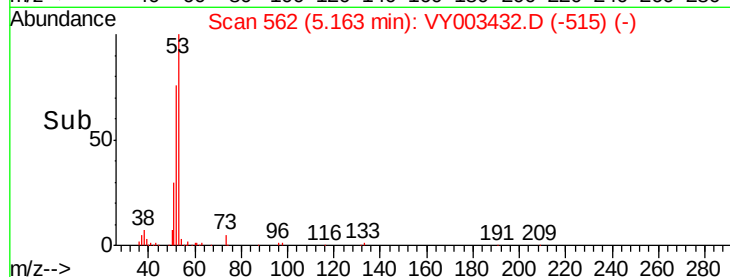
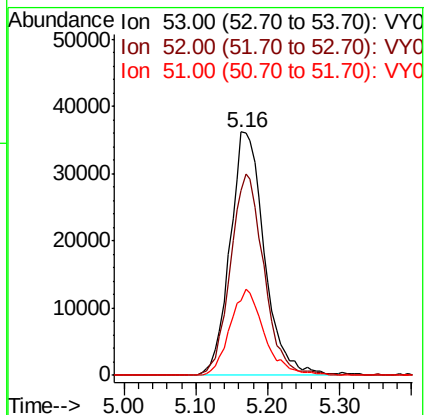
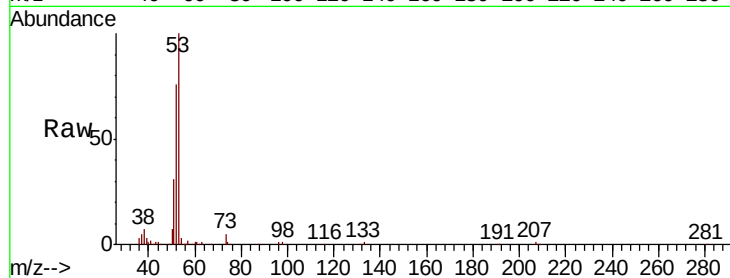
Tot Ion: 53 Resp: 119659

Ion Ratio Lower Upper

53 100

52 80.6 64.5 96.7

51 35.4 26.6 39.8



#16

Acetone

Concen: 58.653 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY003432.D

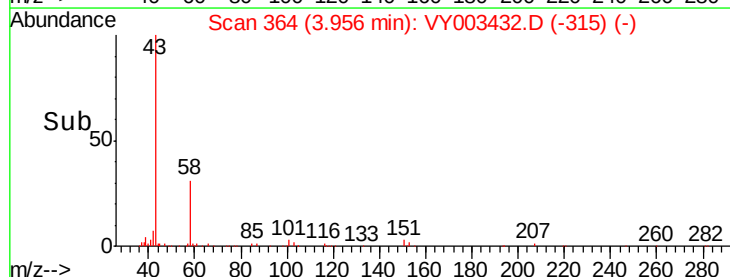
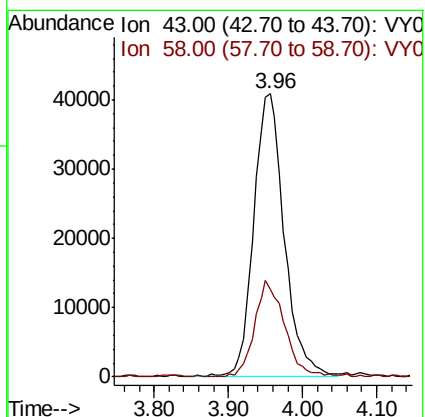
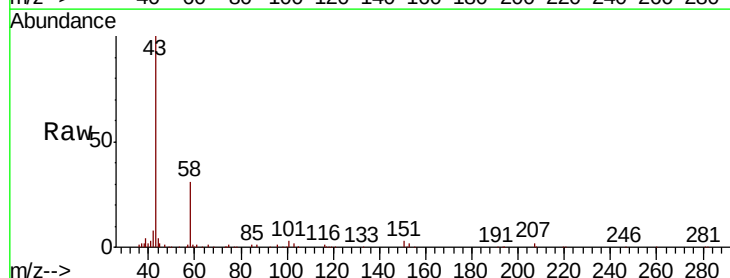
Acq: 04 Sep 2020 15:19

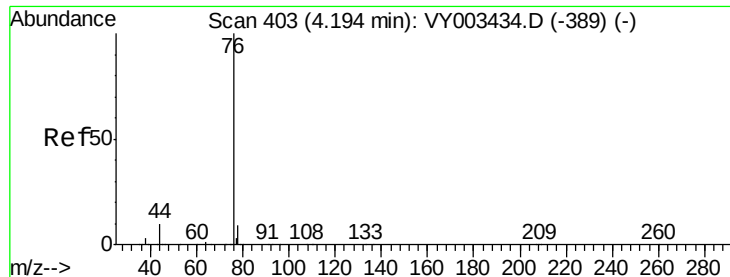
Tgt Ion: 43 Resp: 117680

Ion Ratio Lower Upper

43 100

58 30.7 29.9 44.9





#17

Carbon Disulfide

Concen: 10.432 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

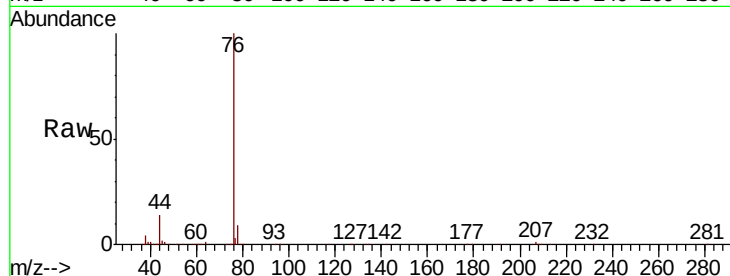
VSTDIC010

Tot Ion: 76 Resp: 233513

Ion Ratio Lower Upper

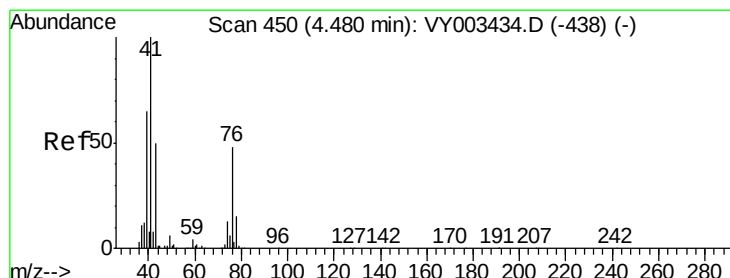
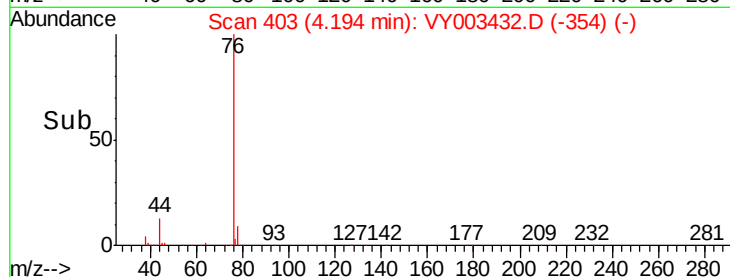
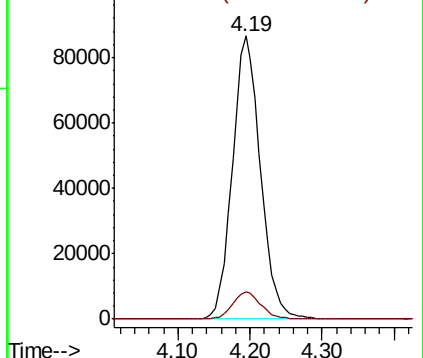
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 10.287 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY003432.D

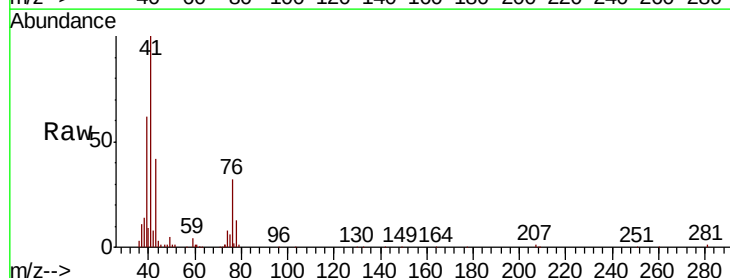
Acq: 04 Sep 2020 15:19

Tgt Ion: 43 Resp: 54305

Ion Ratio Lower Upper

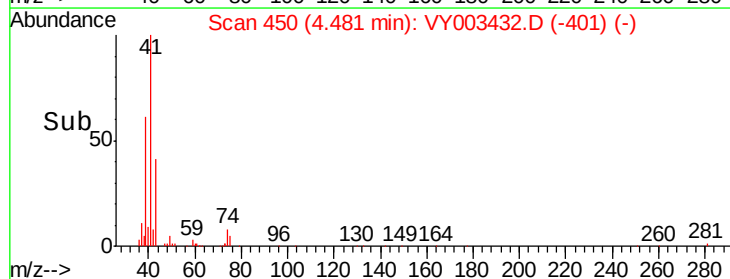
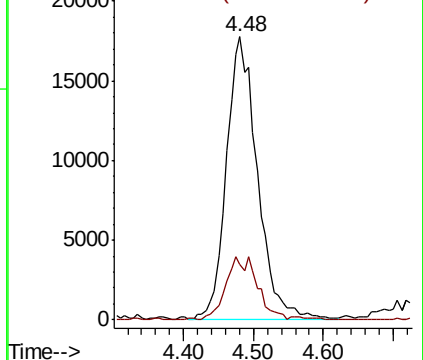
43 100

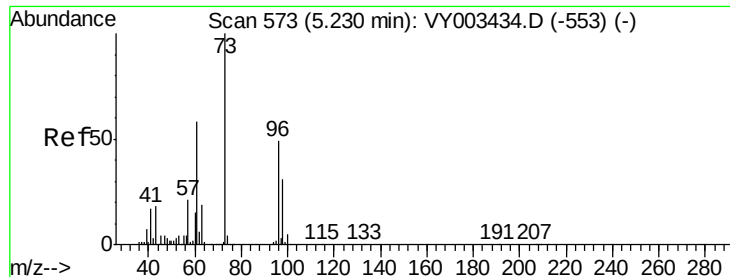
74 22.8 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



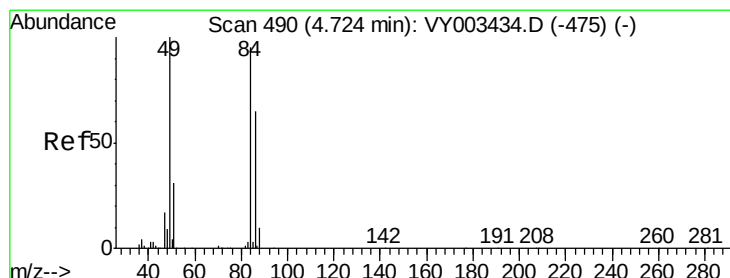
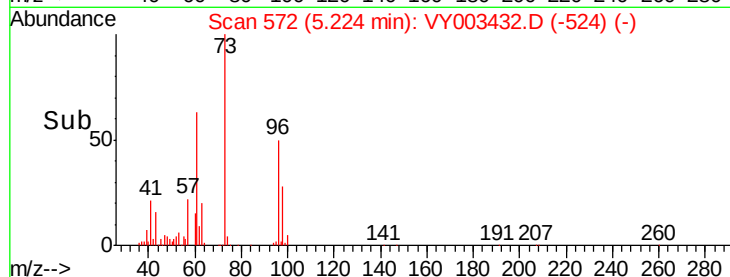
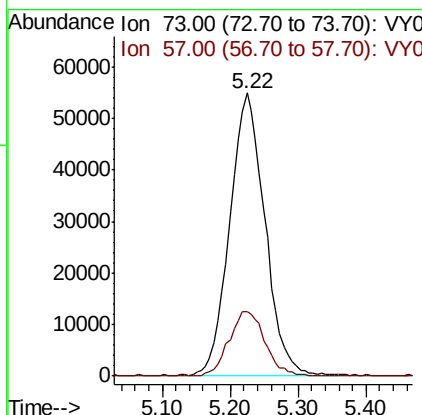
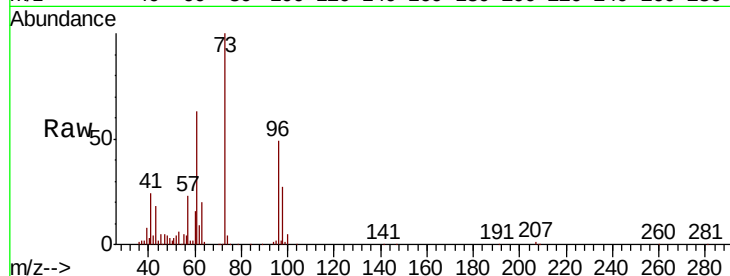


#19

Methyl tert-butyl Ether
 Concen: 10.446 ug/l
 RT: 5.22 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

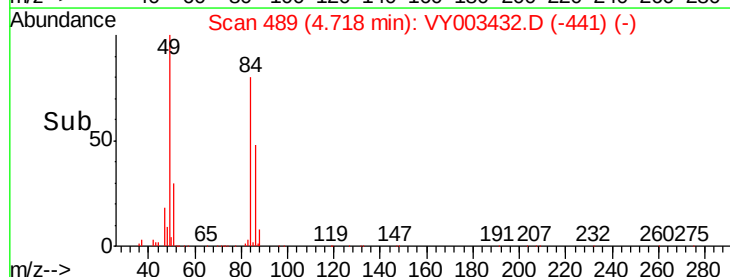
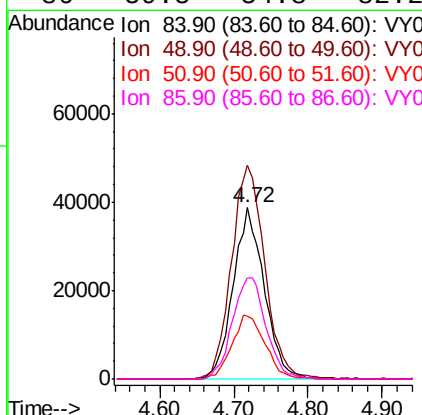
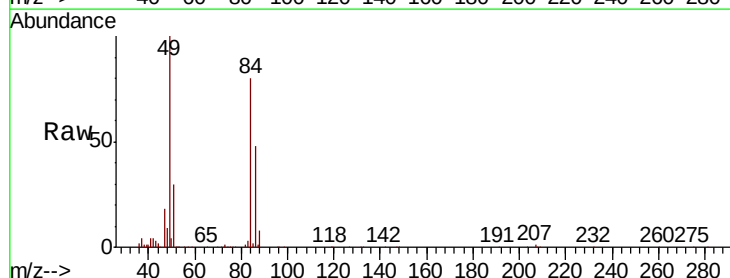
Tot Ion: 73 Resp: 196495
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.0 25.6

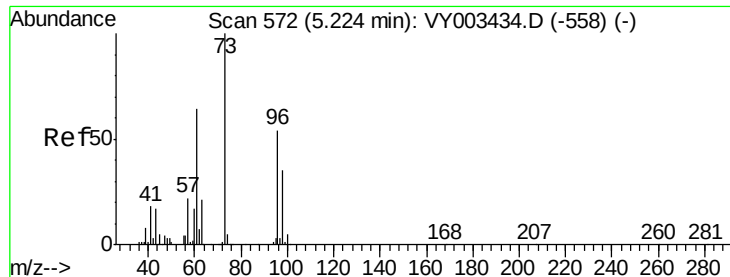


#20

Methylene Chloride
 Concen: 10.493 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Tgt Ion: 84 Resp: 114048
 Ion Ratio Lower Upper
 84 100
 49 124.9 83.9 125.9
 51 36.9 26.3 39.5
 86 59.5 54.8 82.2





#21

trans-1,2-Dichloroethene

Concen: 10.295 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

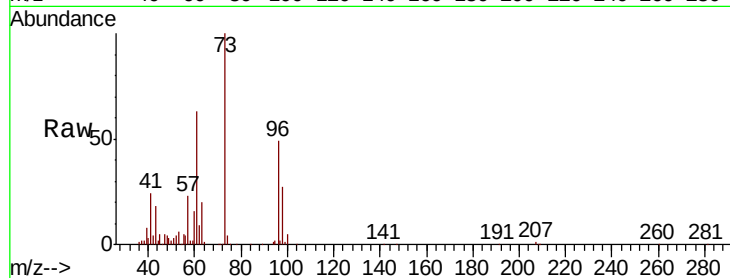
Tot Ion: 96 Resp: 81891

Ion Ratio Lower Upper

96 100

61 127.0 94.8 142.2

98 55.7 51.3 76.9

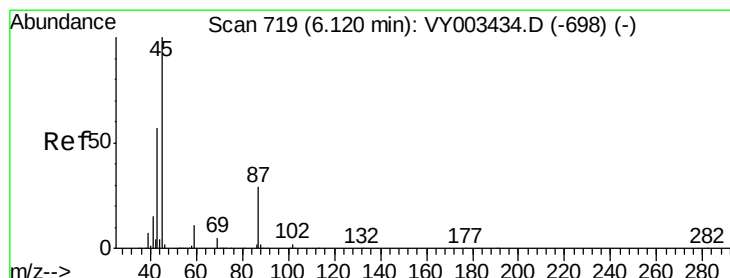
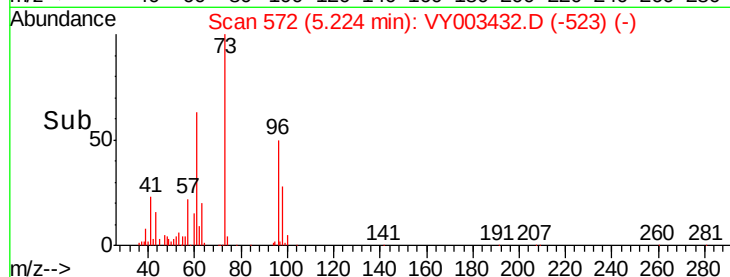
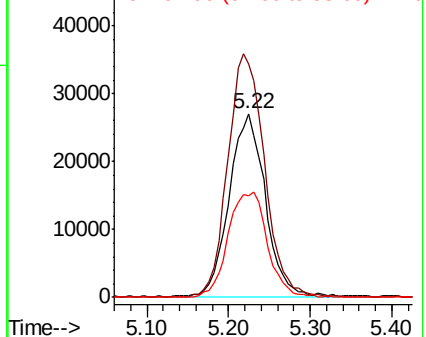


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 10.908 ug/l

RT: 6.12 min Scan# 719

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Tgt Ion: 45 Resp: 271225

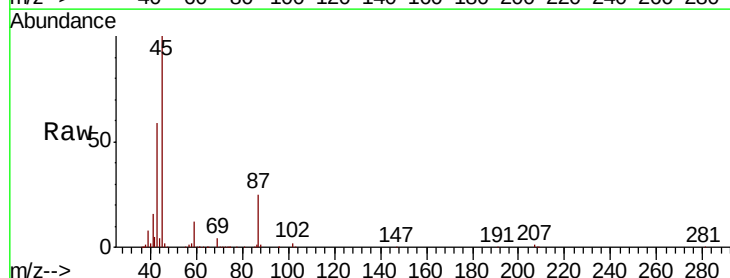
Ion Ratio Lower Upper

45 100

43 58.0 45.2 67.8

87 25.0 23.4 35.0

59 12.0 9.2 13.8



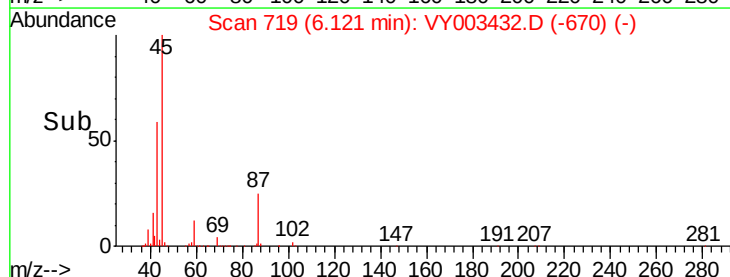
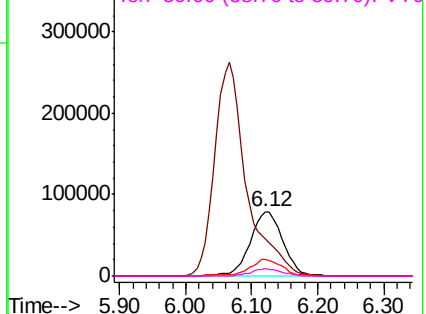
Abundance

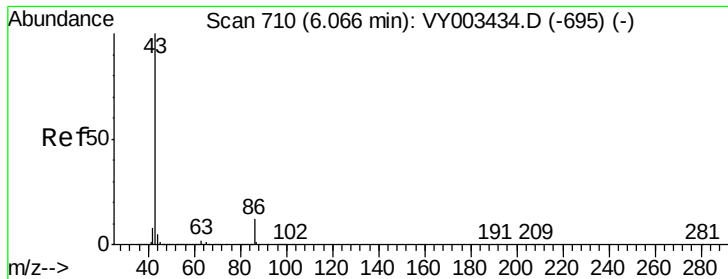
Ion 45.00 (44.70 to 45.70): VY0

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: 54.552 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

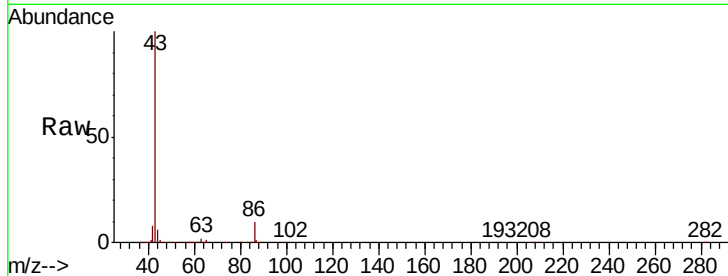
VSTDIC010

Tot Ion: 43 Resp: 881344

Ion Ratio Lower Upper

43 100

86 10.0 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

250000

200000

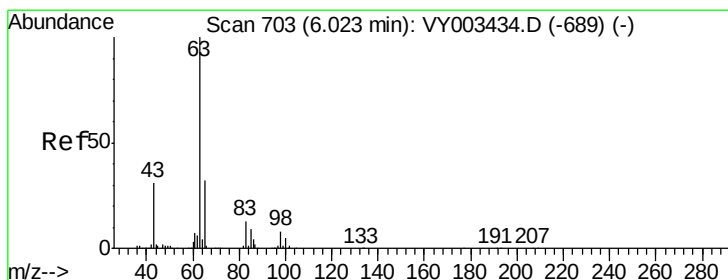
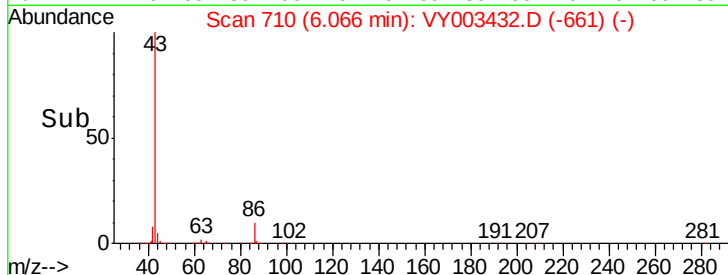
150000

100000

50000

0

Time--> 5.80 6.00 6.20



#24

1,1-Dichloroethane

Concen: 10.701 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

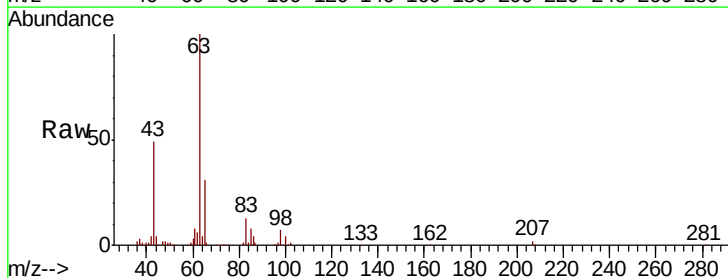
Tgt Ion: 63 Resp: 144699

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 3.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

60000

50000

40000

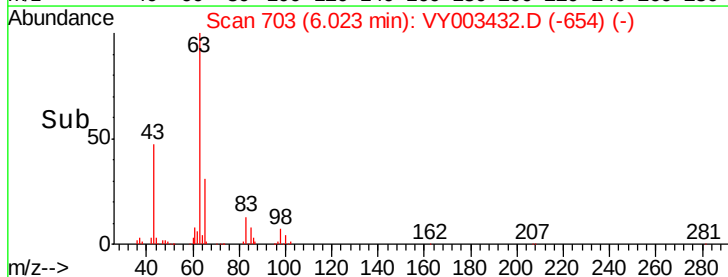
30000

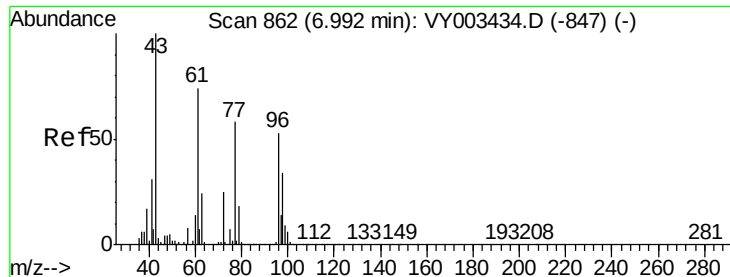
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





#25

2-Butanone

Concen: 52.065 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

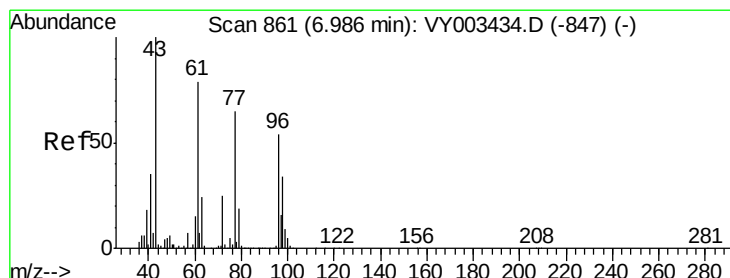
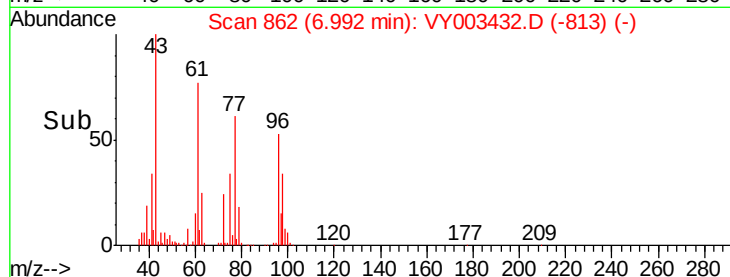
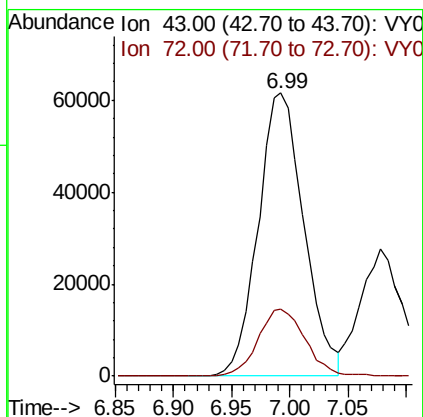
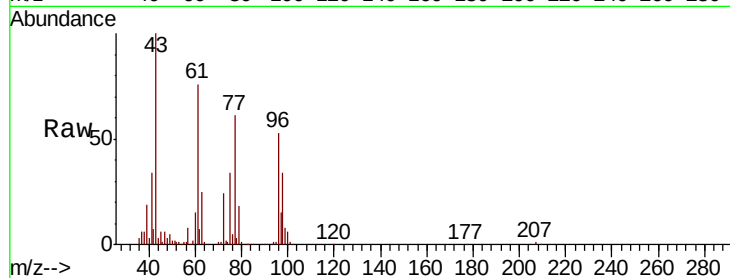
VSTDIC010

Tot Ion: 43 Resp: 167419

Ion Ratio Lower Upper

43 100

72 23.8 19.8 29.6



#26

2,2-Dichloropropane

Concen: 10.537 ug/l

RT: 6.99 min Scan# 861

Delta R.T. 0.00 min

Lab File: VY003432.D

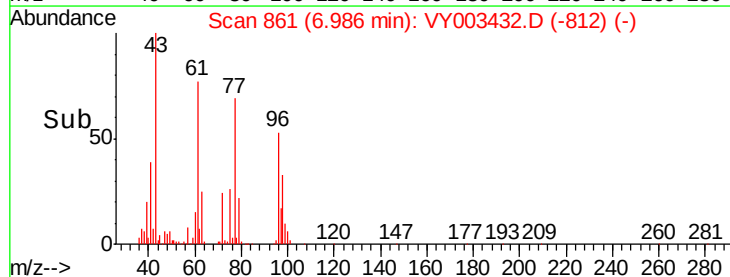
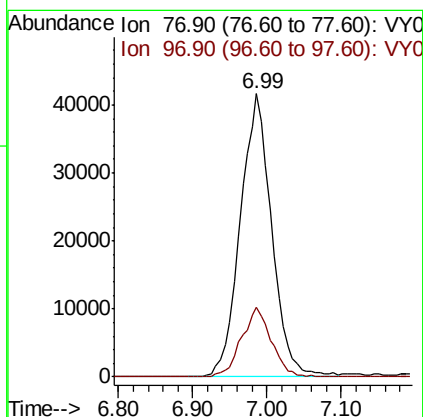
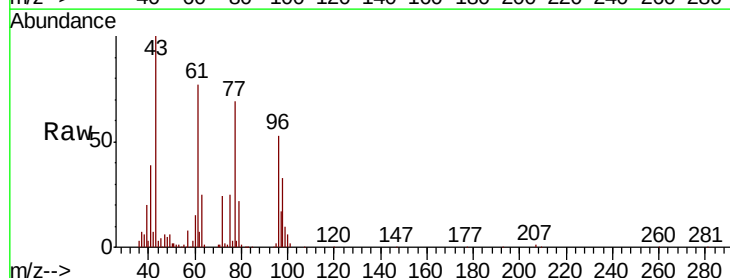
Acq: 04 Sep 2020 15:19

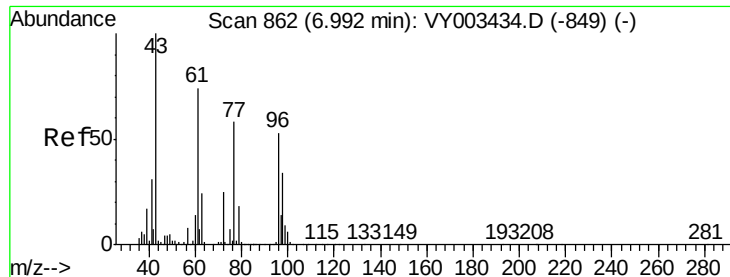
Tgt Ion: 77 Resp: 123108

Ion Ratio Lower Upper

77 100

97 23.1 12.1 36.3



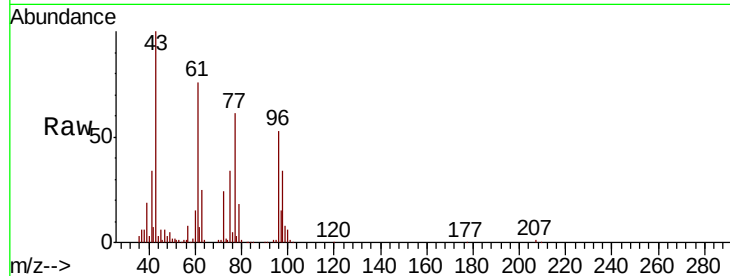


#27

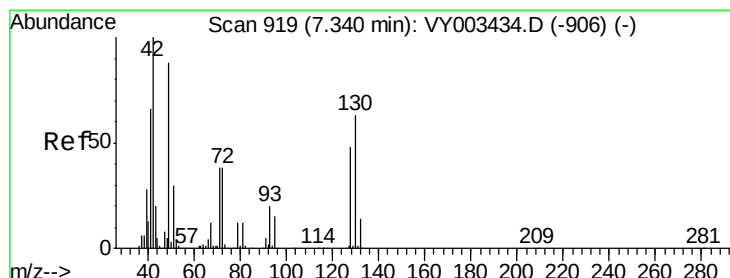
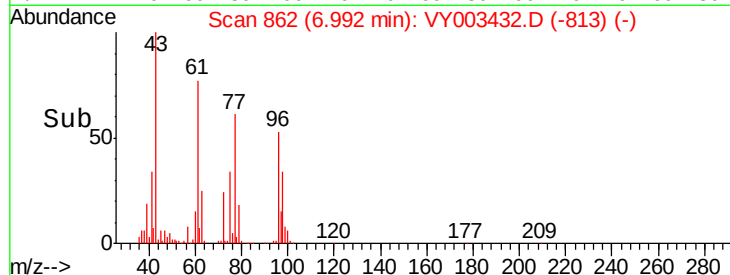
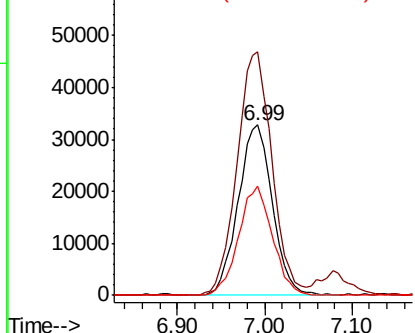
cis-1,2-Dichloroethene
 Concen: 10.061 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	285.0
98	63.0	0.0	128.6



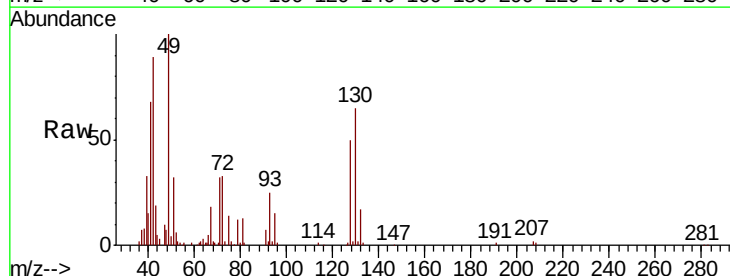
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



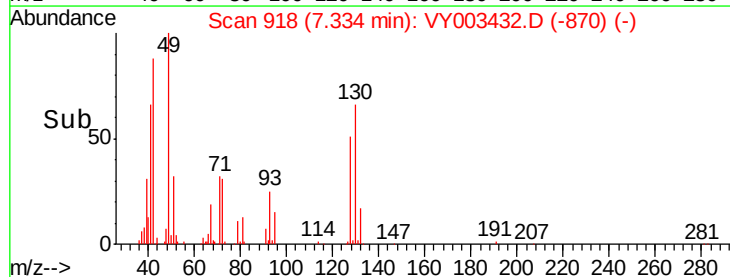
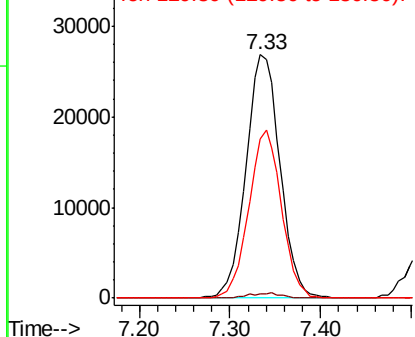
#28

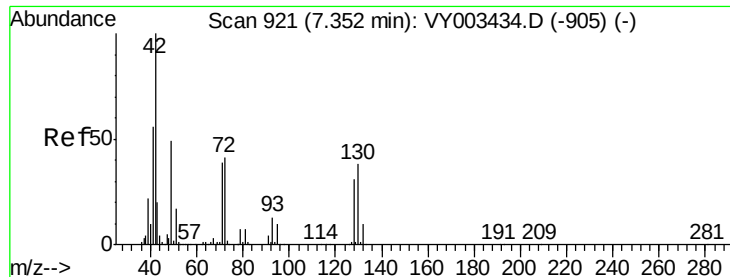
Bromochloromethane
 Concen: 10.267 ug/l
 RT: 7.33 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	66.0	57.8	86.8



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





#29

Tetrahydrofuran

Concen: 51.701 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC010

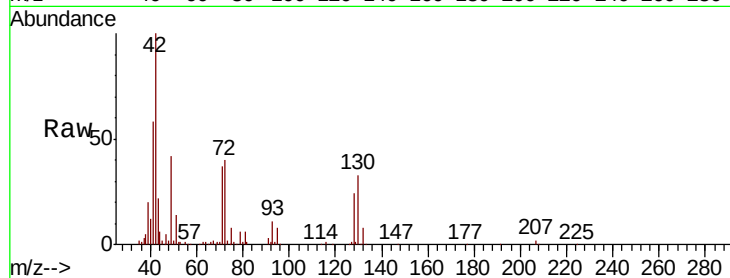
Tot Ion: 42 Resp: 109040

Ion Ratio Lower Upper

42 100

72 38.8 32.4 48.6

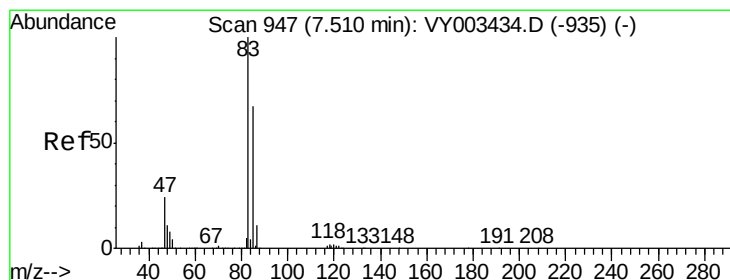
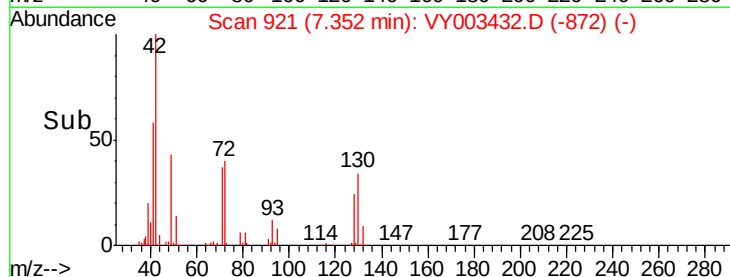
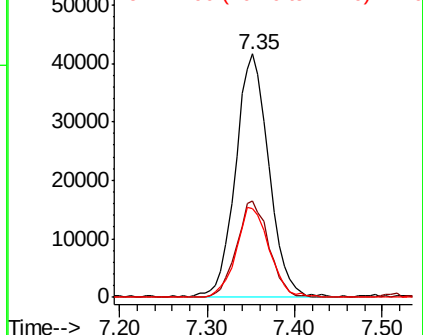
71 37.3 30.7 46.1



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 10.083 ug/l

RT: 7.51 min Scan# 947

Delta R.T. 0.00 min

Lab File: VY003432.D

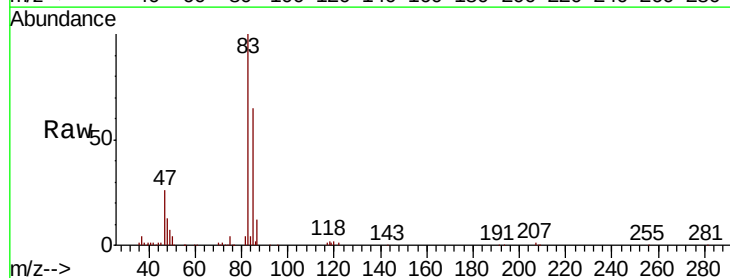
Acq: 04 Sep 2020 15:19

Tgt Ion: 83 Resp: 134276

Ion Ratio Lower Upper

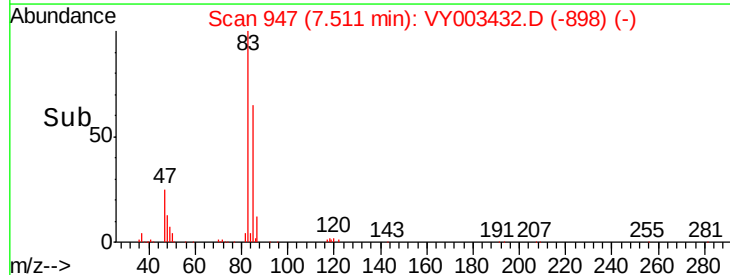
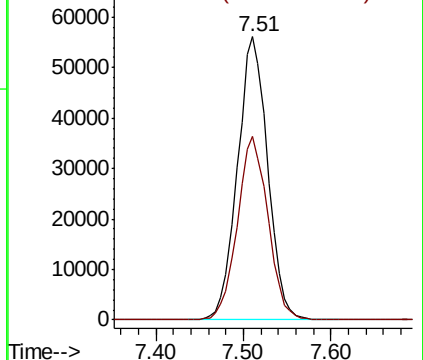
83 100

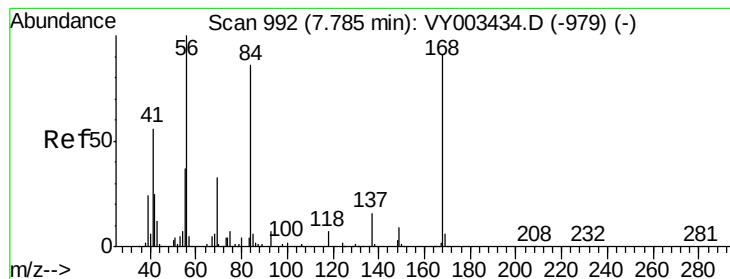
85 64.7 53.5 80.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 10.403 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

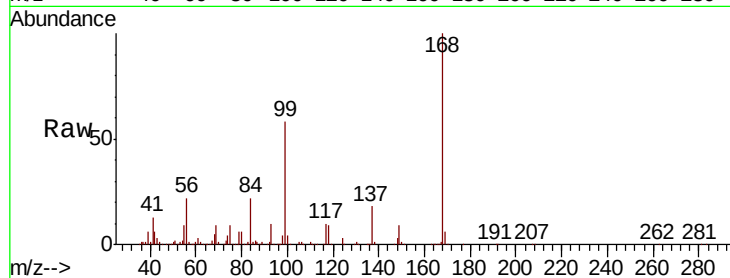
Tot Ion: 56 Resp: 150705

Ion Ratio Lower Upper

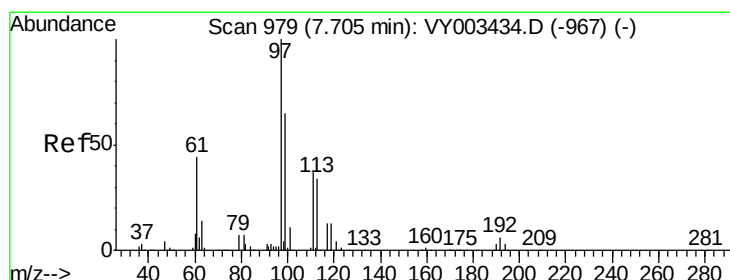
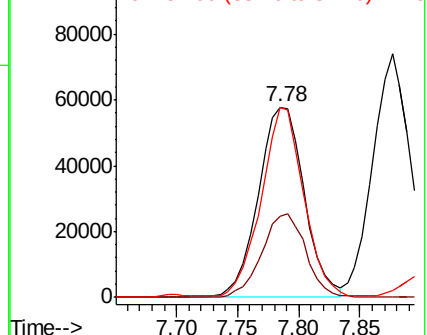
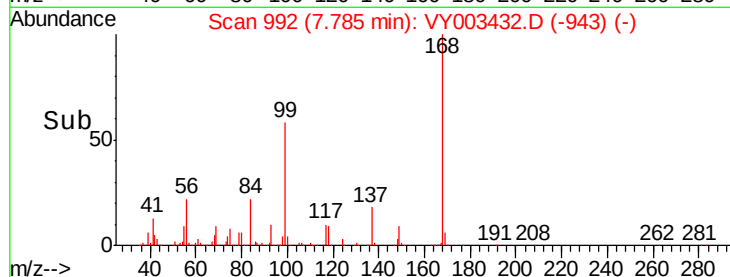
56 100

69 42.4 26.0 39.0#

84 99.2 68.7 103.1



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: 10.307 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

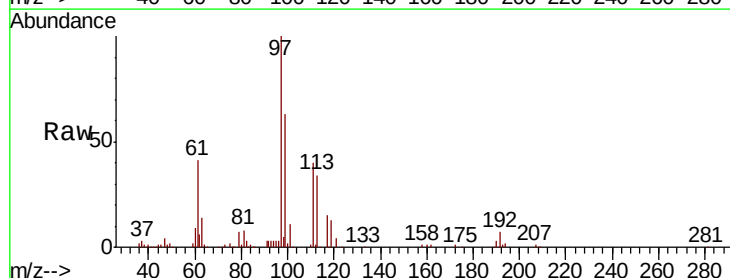
Tgt Ion: 97 Resp: 116690

Ion Ratio Lower Upper

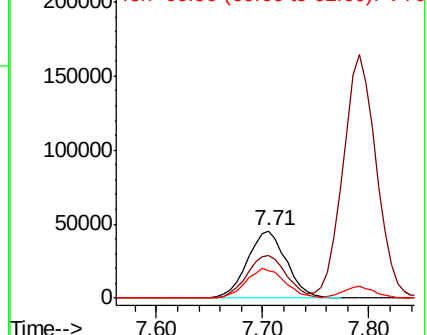
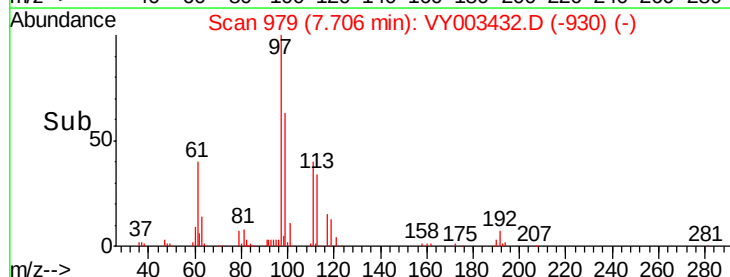
97 100

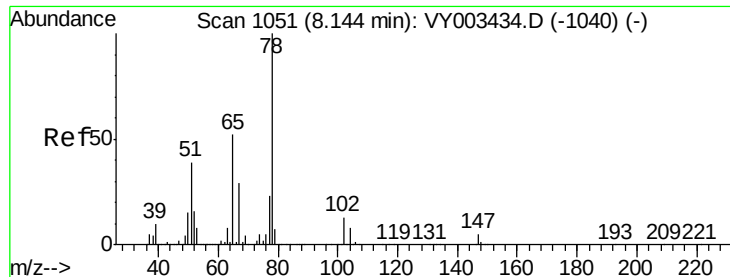
99 63.8 51.6 77.4

61 44.3 34.3 51.5



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

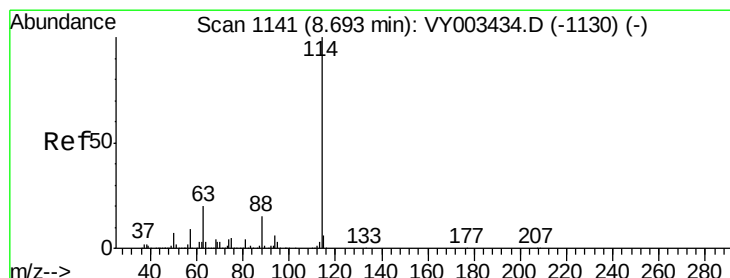
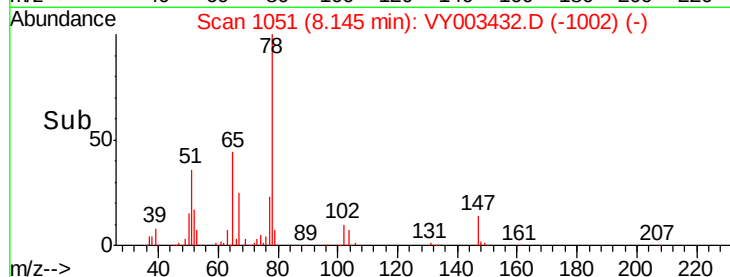
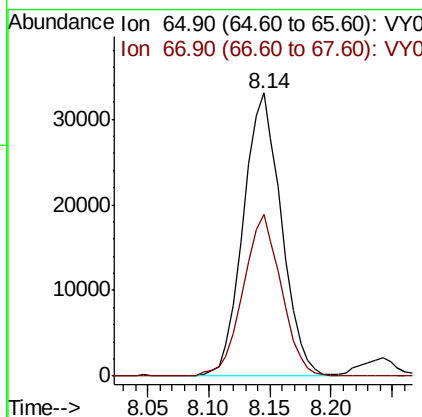
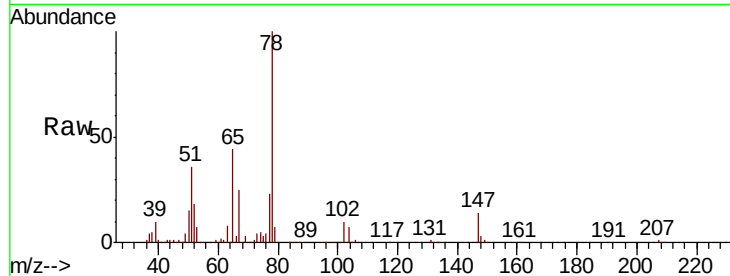




#33
 1,2-Dichloroethane-d4
 Concen: 10.322 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

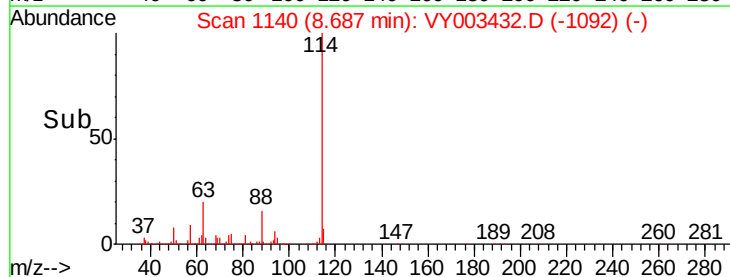
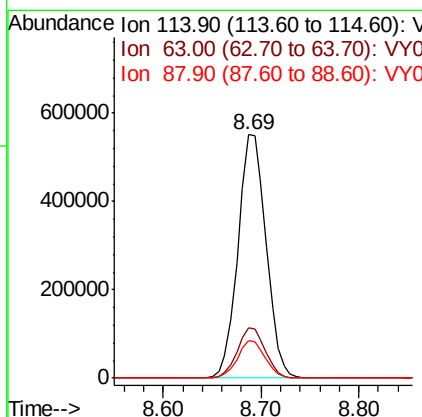
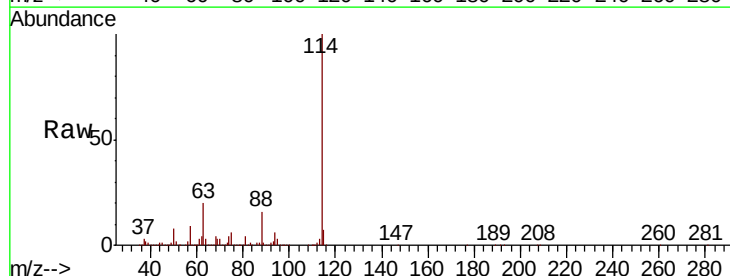
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

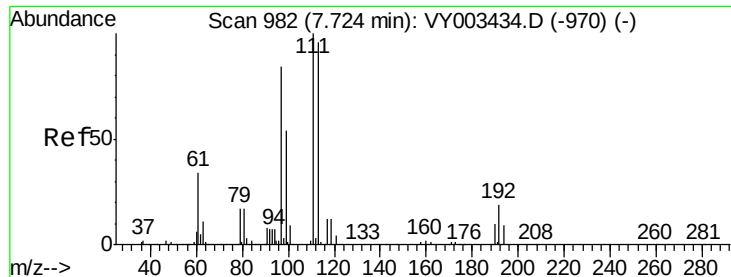
Tot Ion: 65 Resp: 71673
 Ion Ratio Lower Upper
 65 100
 67 57.1 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Tgt Ion: 114 Resp: 1105155
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 9.891 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

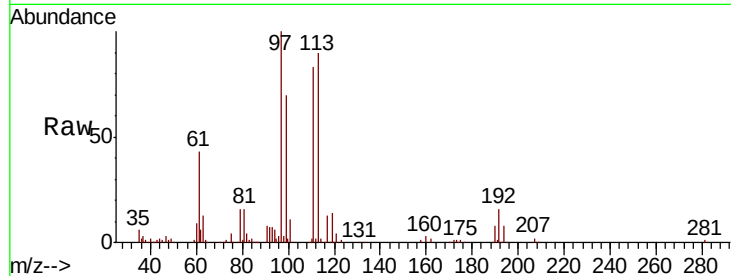
Tot Ion:113 Resp: 63137

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

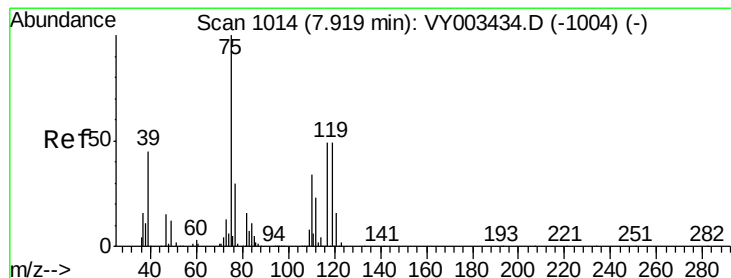
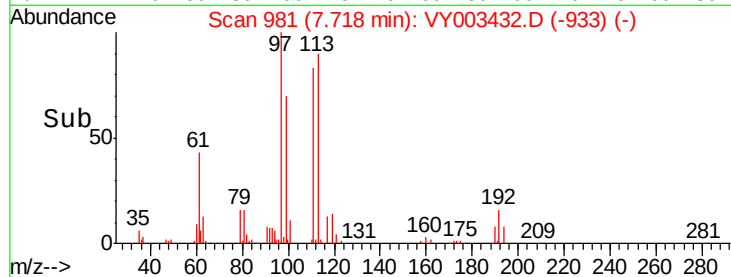
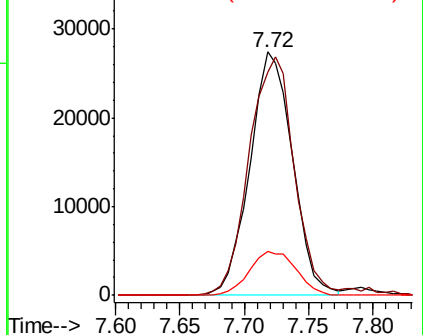
192 19.8 15.7 23.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 10.421 ug/l

RT: 7.92 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

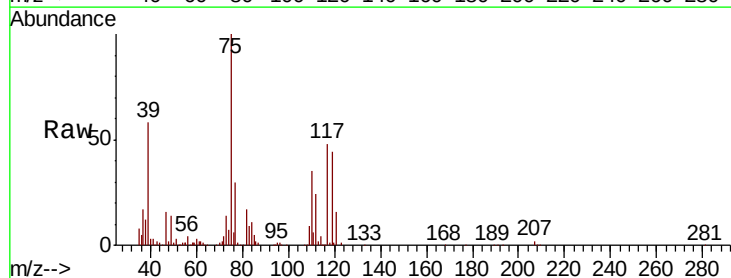
Tgt Ion: 75 Resp: 112805

Ion Ratio Lower Upper

75 100

110 36.5 17.8 53.5

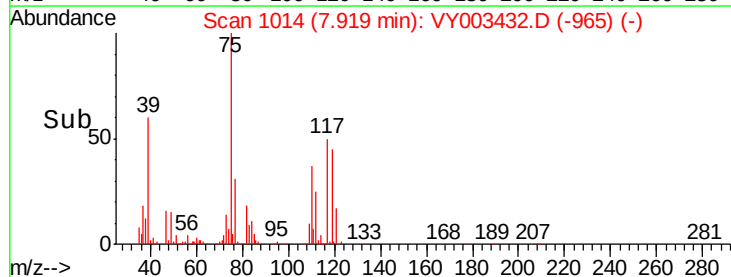
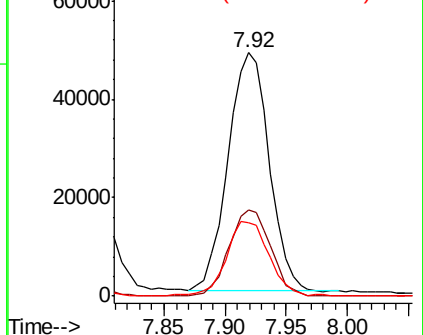
77 31.9 24.4 36.6

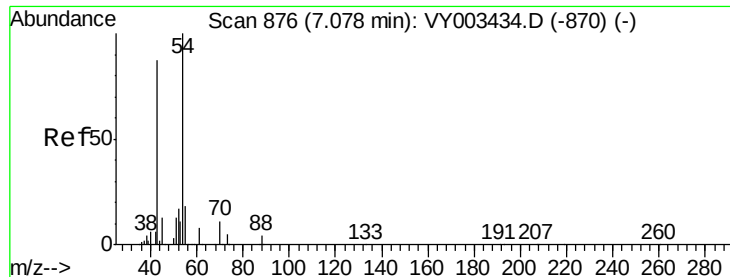


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

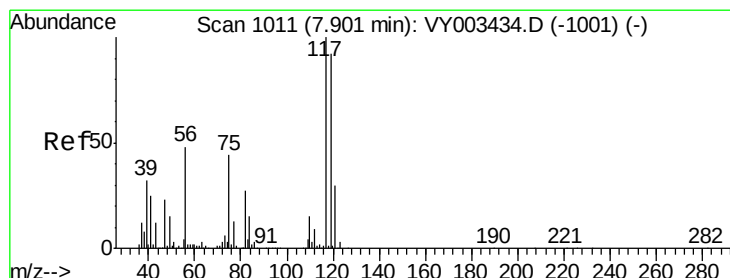
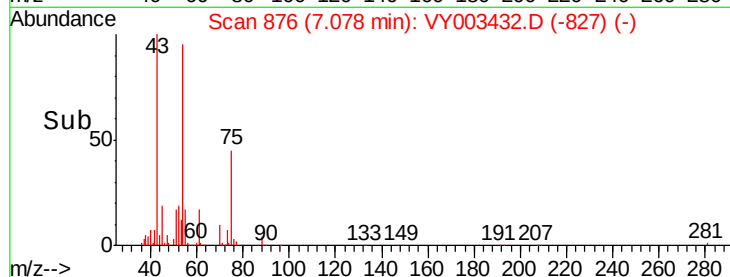
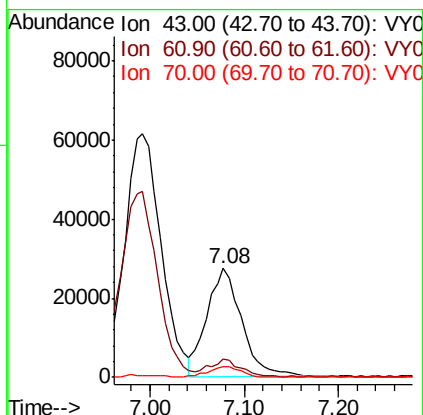
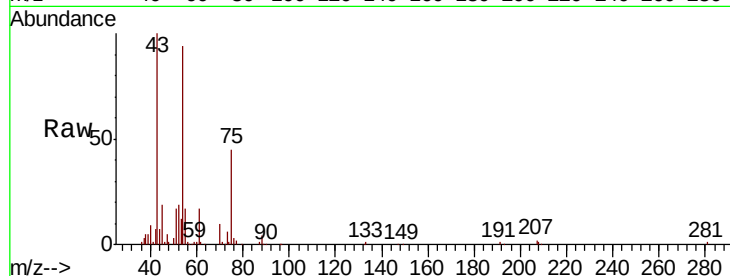




#37
Ethyl Acetate
Concen: 10.176 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

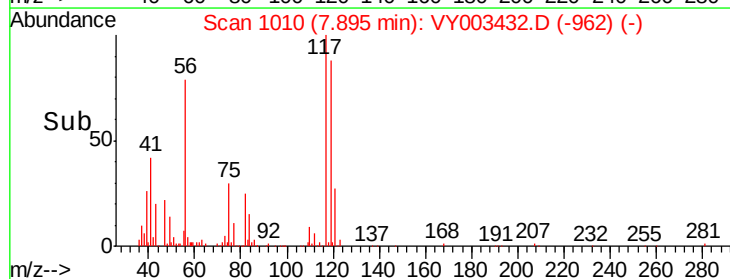
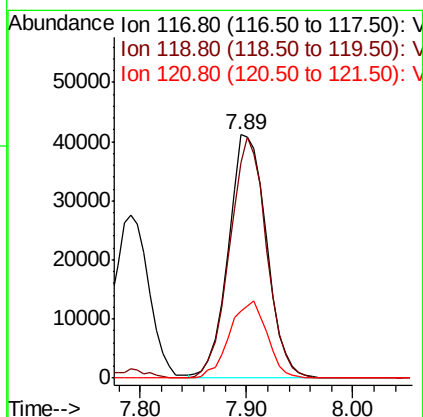
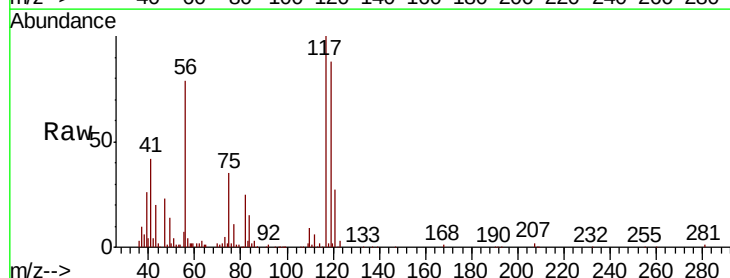
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

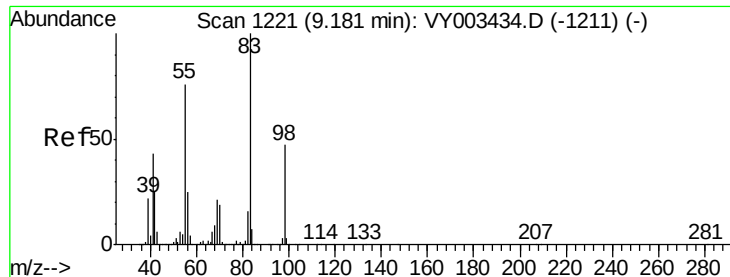
Tot Ion: 43 Resp: 70148
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.2
70 9.8 8.1 12.1



#38
Carbon Tetrachloride
Concen: 10.513 ug/l
RT: 7.89 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion: 117 Resp: 103752
Ion Ratio Lower Upper
117 100
119 88.4 73.4 110.2
121 27.3 24.0 36.0

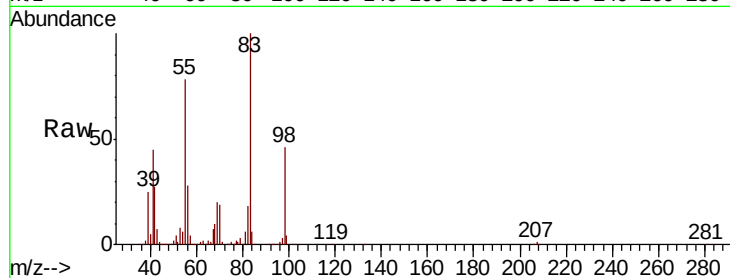




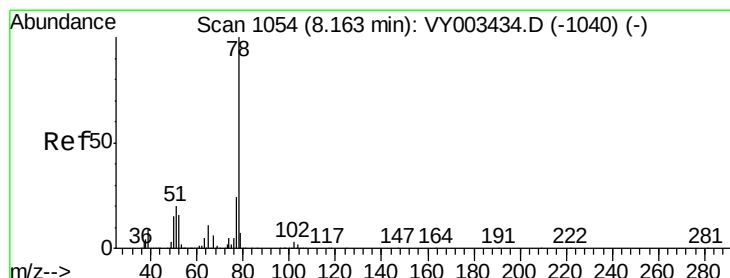
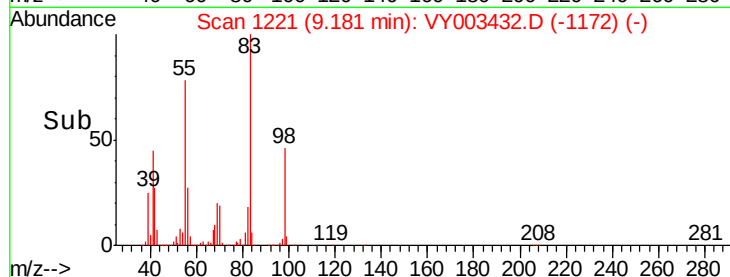
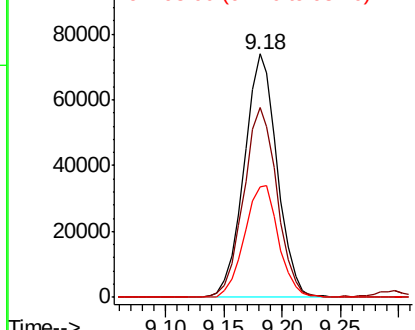
#39
Methylvlcyclohexane
Concen: 10.411 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	145745
Ion Ratio	Lower	Upper	
83	100		
55	78.0	61.0	91.4
98	45.5	37.3	55.9

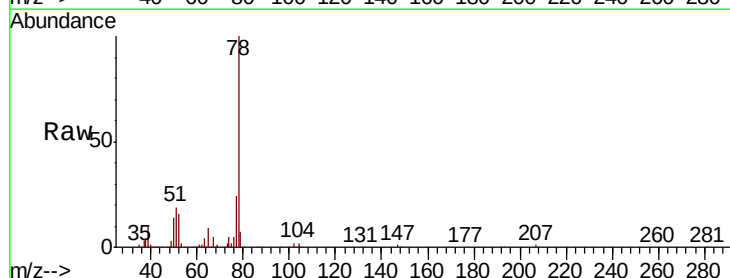


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

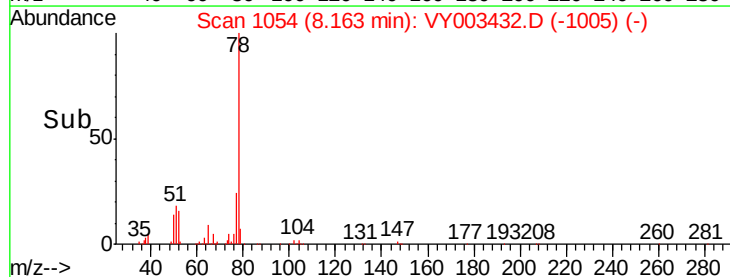
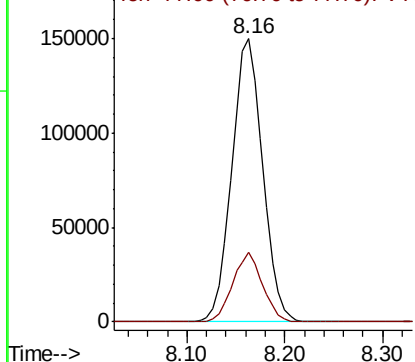


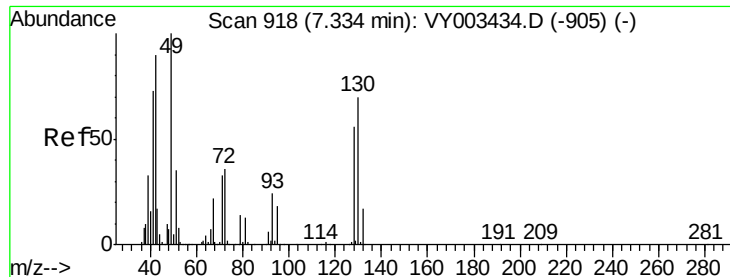
#40
Benzene
Concen: 10.171 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion	78	Resp	328253
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 8.992 ug/l

RT: 7.32 min Scan# 915

Delta R.T. -0.02 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 34255

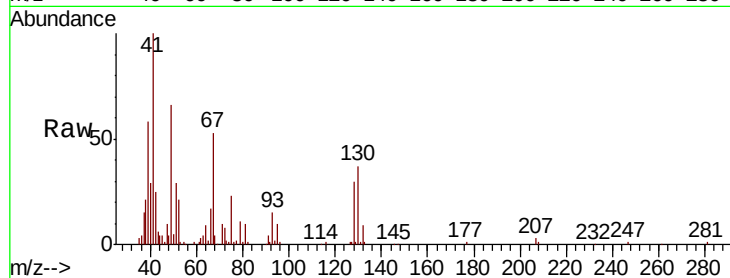
Ion Ratio Lower Upper

41 100

39 62.1 0.0 0.0#

67 78.4 0.0 0.0#

52 30.6 0.0 0.0#

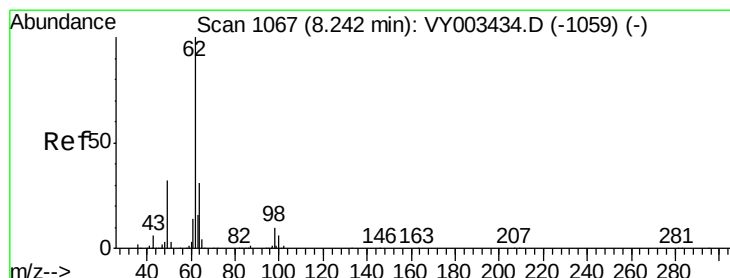
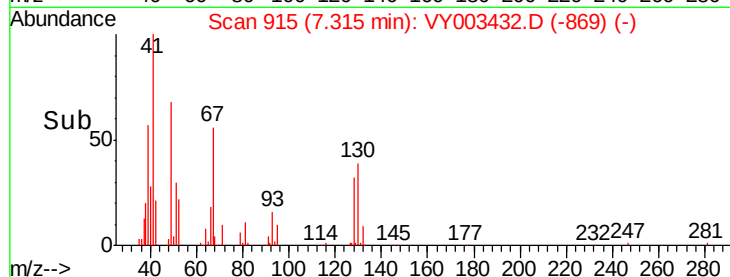
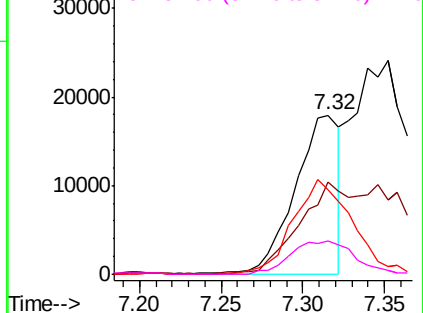


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 10.350 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY003432.D

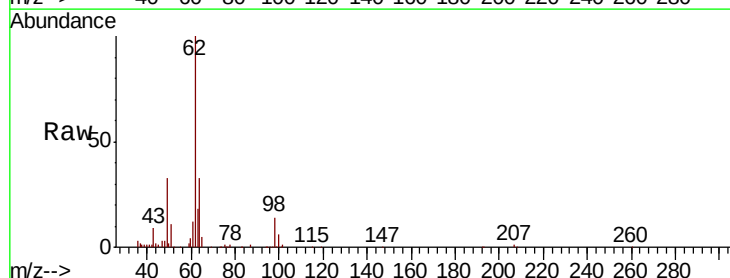
Acq: 04 Sep 2020 15:19

Tgt Ion: 62 Resp: 89286

Ion Ratio Lower Upper

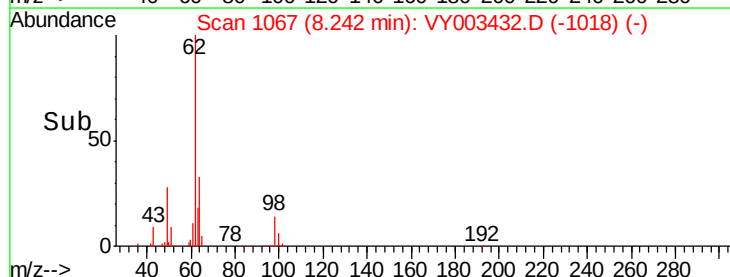
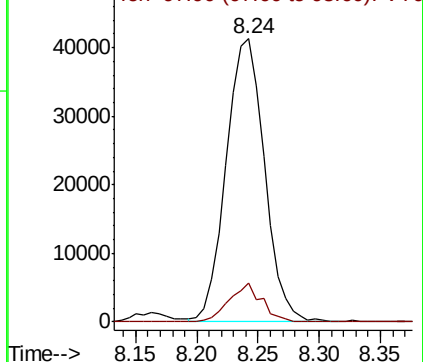
62 100

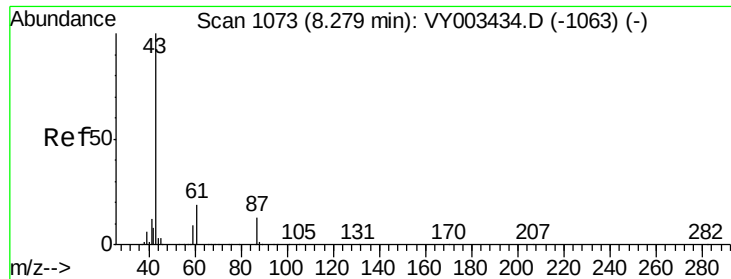
98 11.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 10.282 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

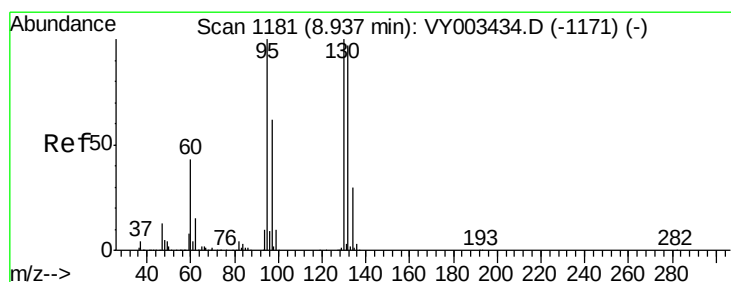
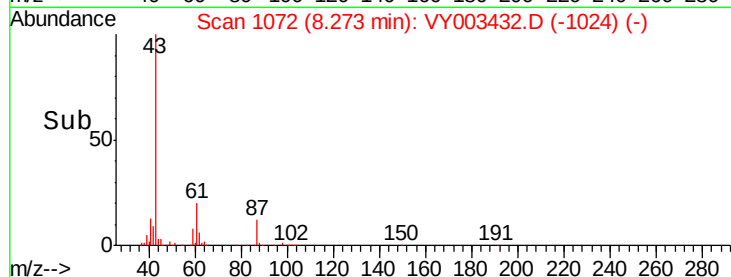
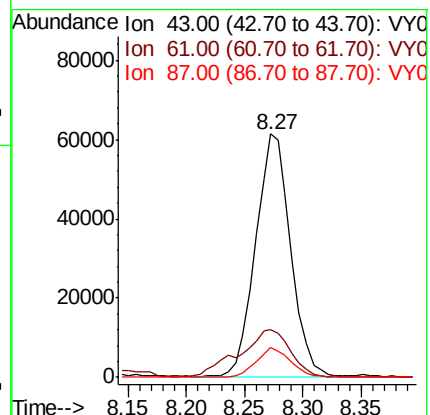
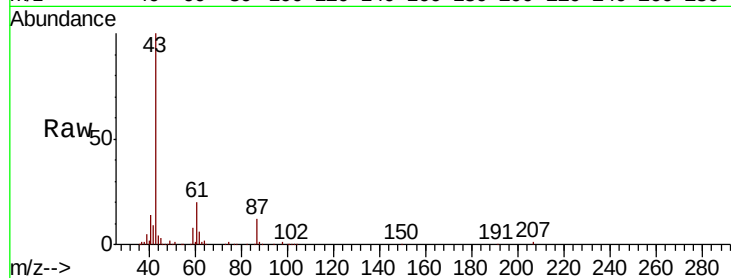
Tot Ion: 43 Resp: 128088

Ion Ratio Lower Upper

43 100

61 28.7 22.8 34.2

87 12.1 10.4 15.6



#44

Trichloroethene

Concen: 10.177 ug/l

RT: 8.94 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VY003432.D

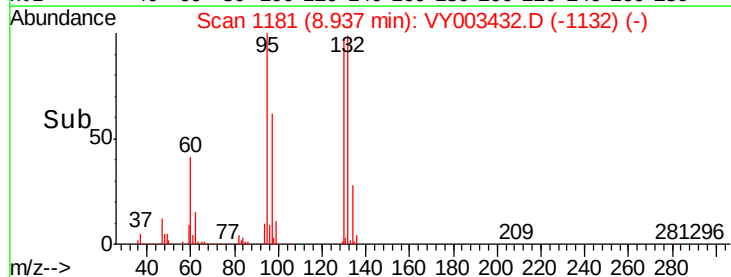
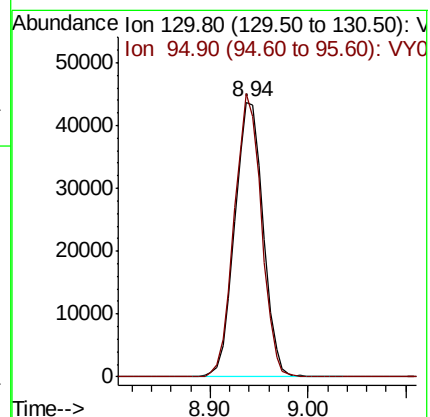
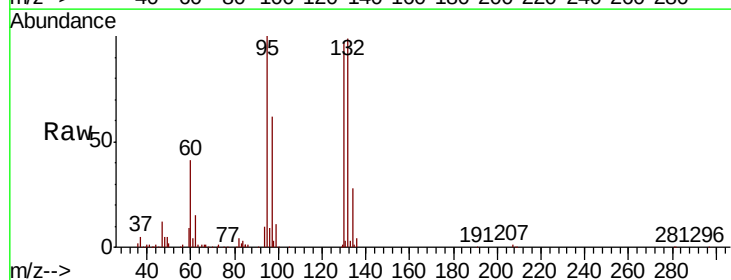
Acq: 04 Sep 2020 15:19

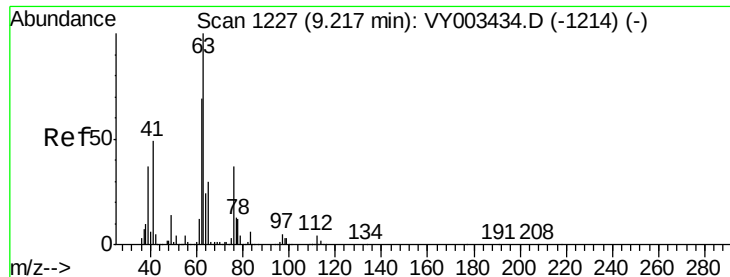
Tgt Ion:130 Resp: 87920

Ion Ratio Lower Upper

130 100

95 102.9 0.0 199.4





#45

1,2-Dichloropropane

Concen: 10.106 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

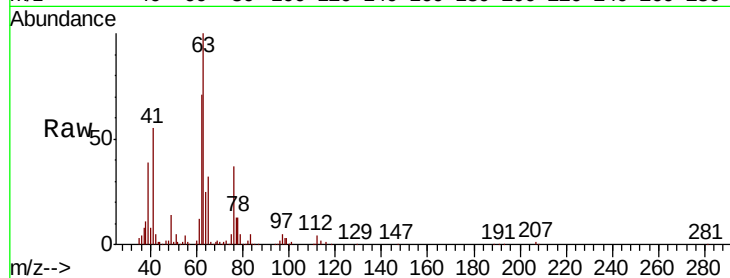
VSTDIC010

Tot Ion: 63 Resp: 84081

Ion Ratio Lower Upper

63 100

65 32.0 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

40000

30000

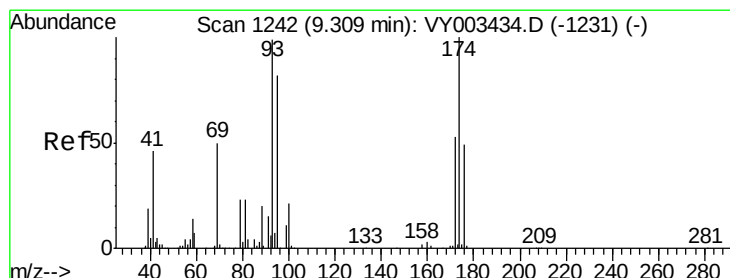
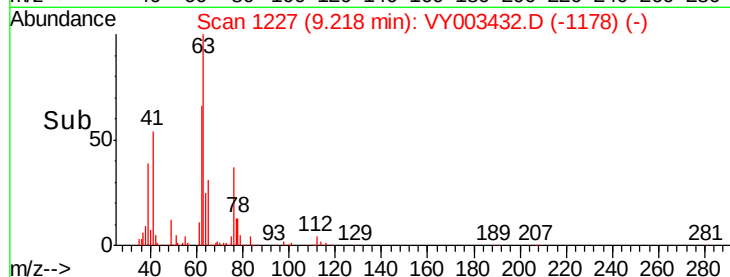
20000

10000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#46

Dibromomethane

Concen: 10.140 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

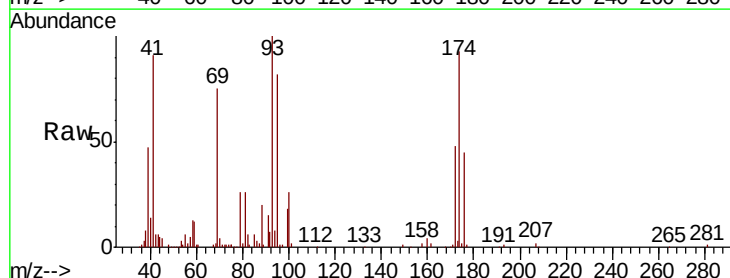
Tgt Ion: 93 Resp: 44198

Ion Ratio Lower Upper

93 100

95 84.5 66.6 99.8

174 96.8 80.4 120.6



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

30000

25000

20000

15000

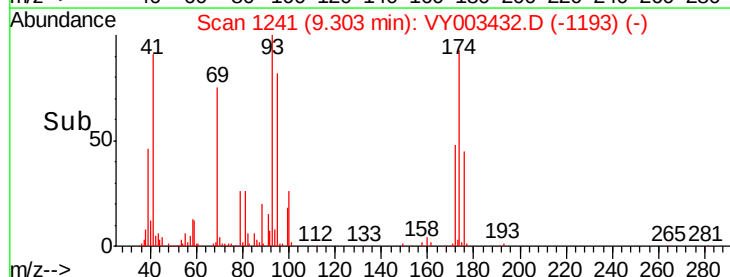
10000

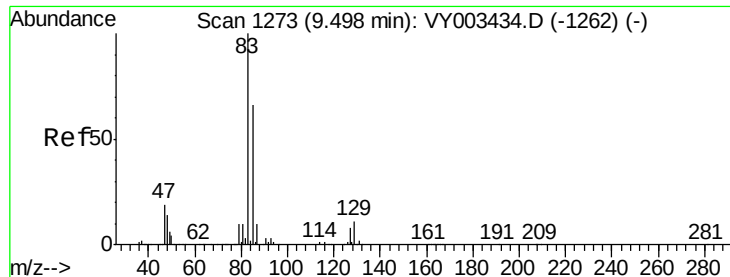
5000

0

9.20 9.25 9.30 9.35 9.40

Time-->





#47

Bromodichloromethane

Concen: 10.328 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

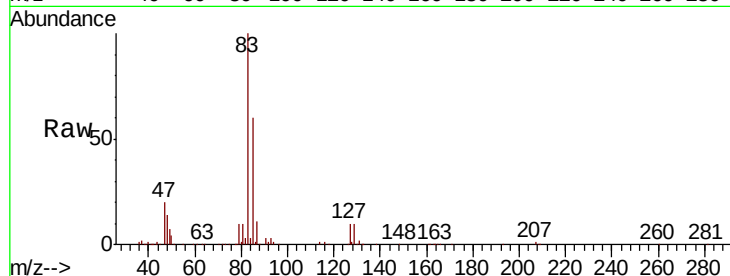
Tot Ion: 83 Resp: 105172

Ion Ratio Lower Upper

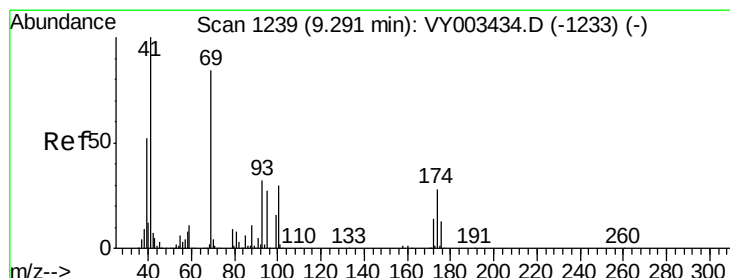
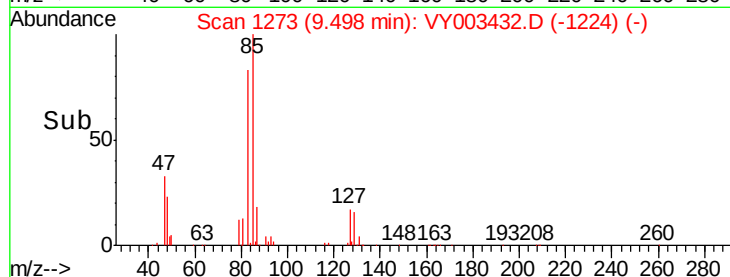
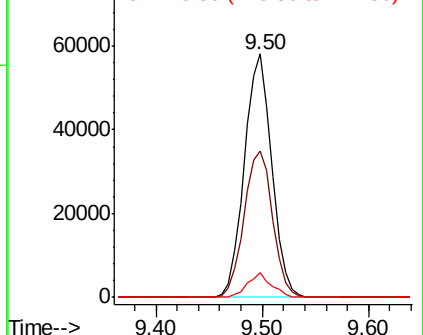
83 100

85 60.2 52.6 79.0

127 10.0 6.5 9.7#



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



#48

Methyl methacrylate

Concen: 10.305 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

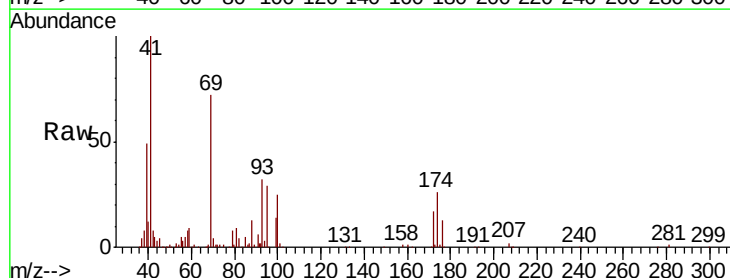
Tgt Ion: 41 Resp: 59425

Ion Ratio Lower Upper

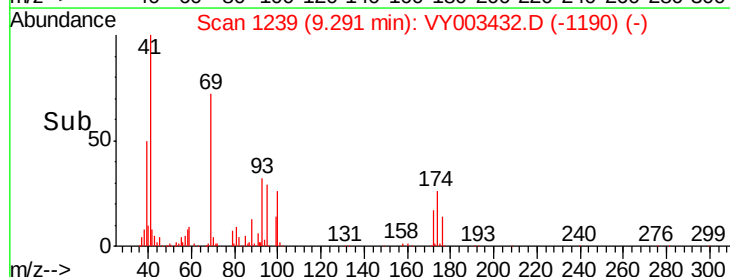
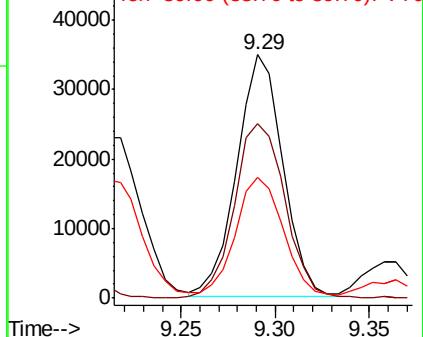
41 100

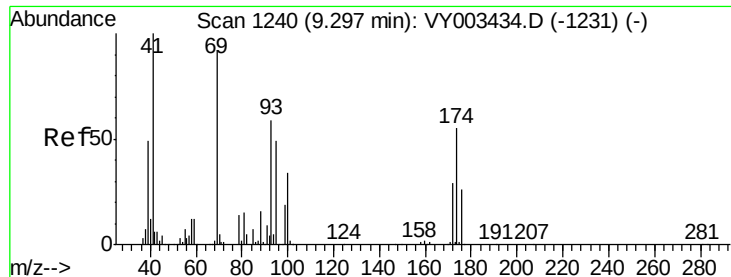
69 78.9 68.8 103.2

39 49.8 43.0 64.4



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

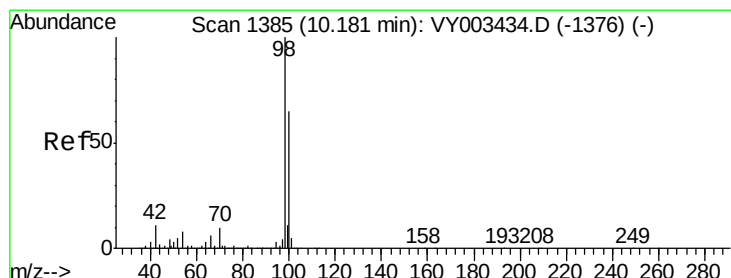
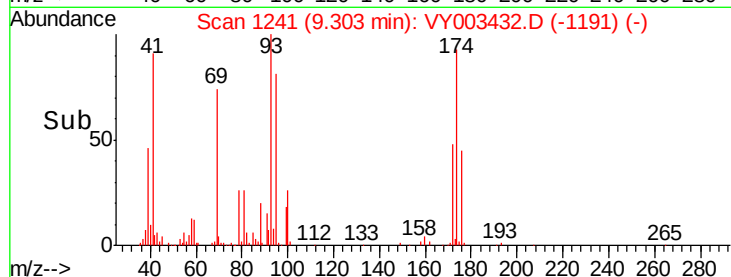
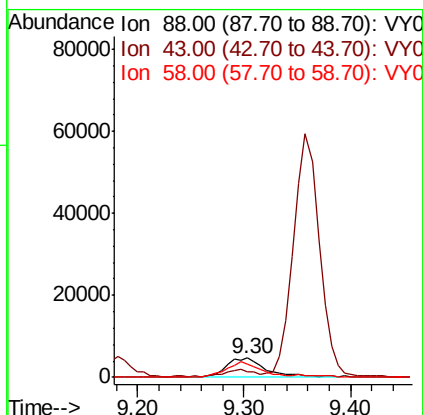
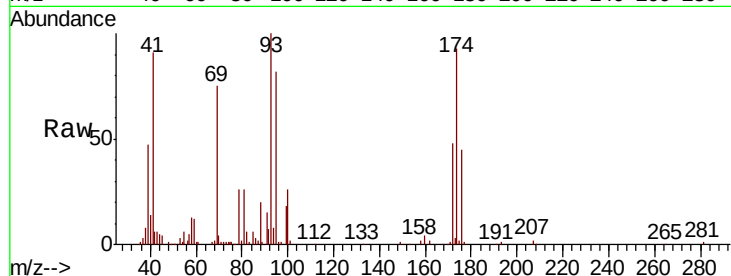




#49
1,4-Dioxane
Concen: 207.557 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

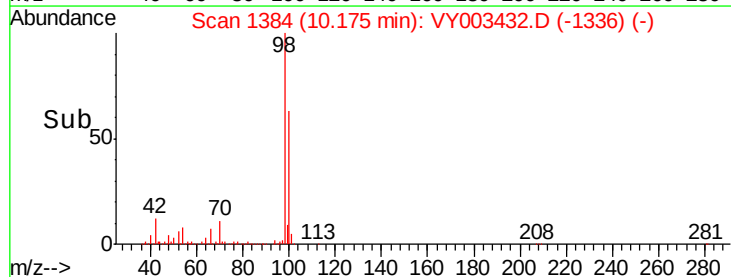
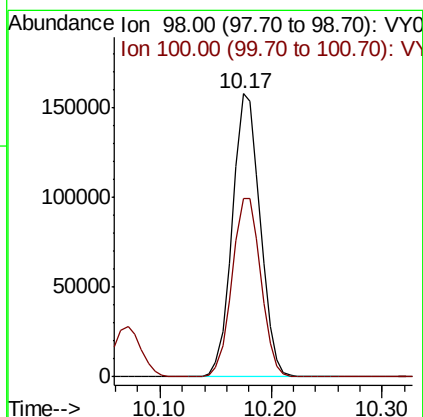
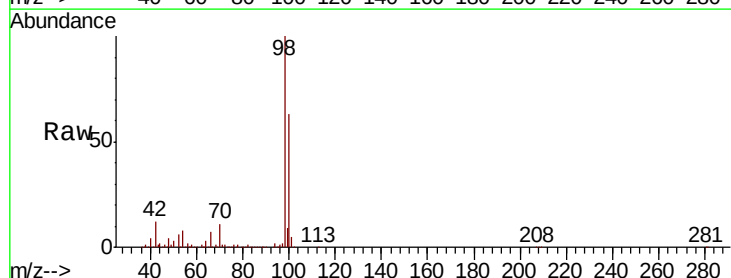
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

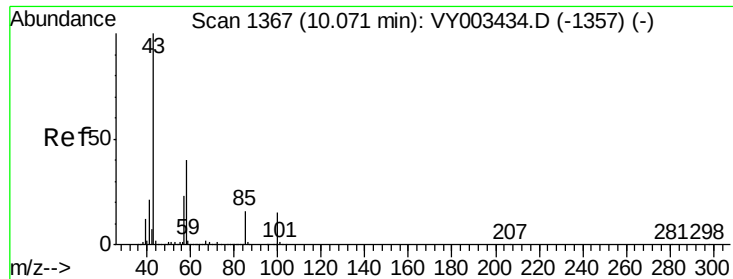
Tot Ion	88	Resp	12487
Ion	Ratio	Lower	Upper
88	100		
43	28.8	24.7	37.1
58	69.9	60.2	90.4



#50
Toluene-d8
Concen: 10.140 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion	98	Resp	273120
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.8	77.6

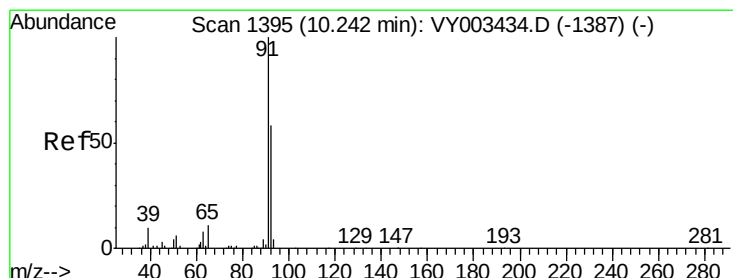
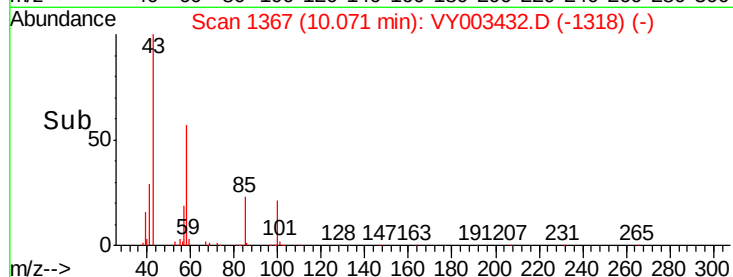
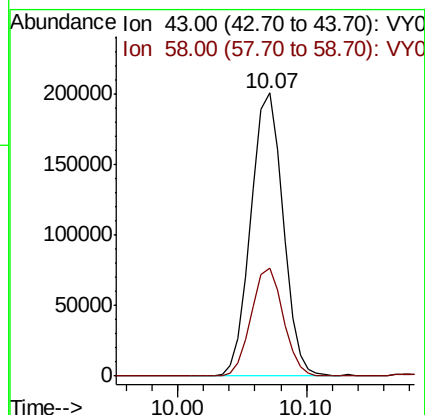
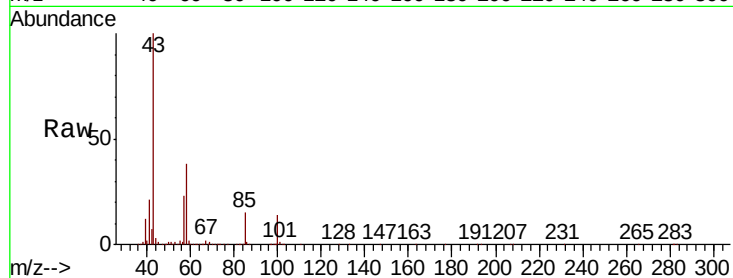




#51
 4-Methyl-2-Pentanone
 Concen: 51.541 ug/l
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

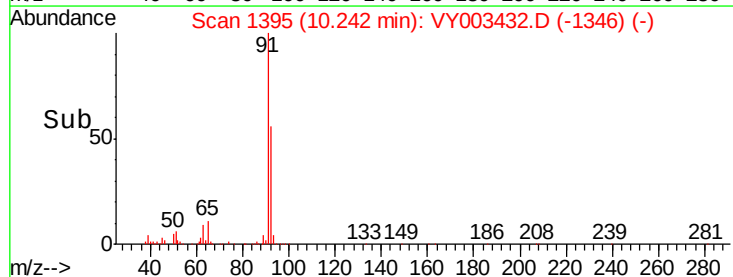
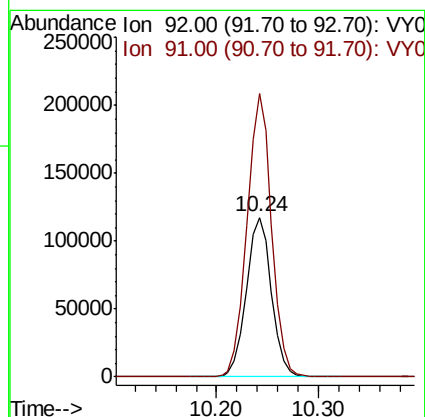
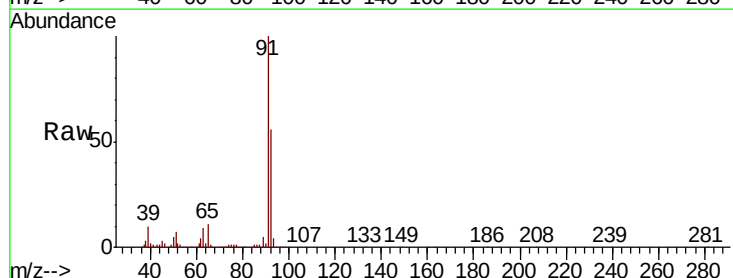
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

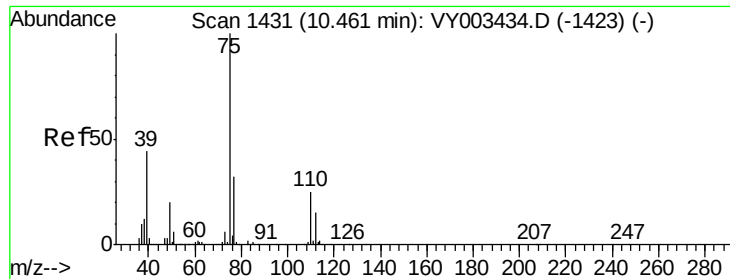
Tot Ion: 43 Resp: 348987
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.3 46.9



#52
 Toluene
 Concen: 10.222 ug/l
 RT: 10.24 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Tgt Ion: 92 Resp: 200251
 Ion Ratio Lower Upper
 92 100
 91 174.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 10.125 ug/l

RT: 10.46 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

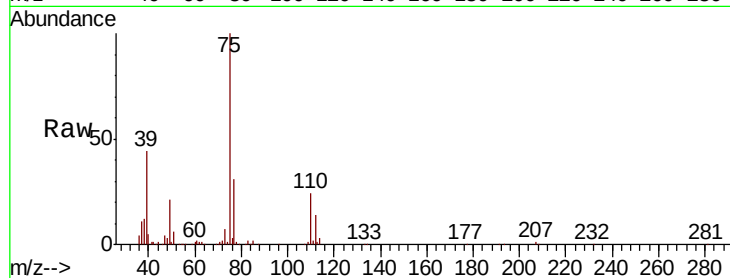
VSTDIC010

Tot Ion: 75 Resp: 110758

Ion Ratio Lower Upper

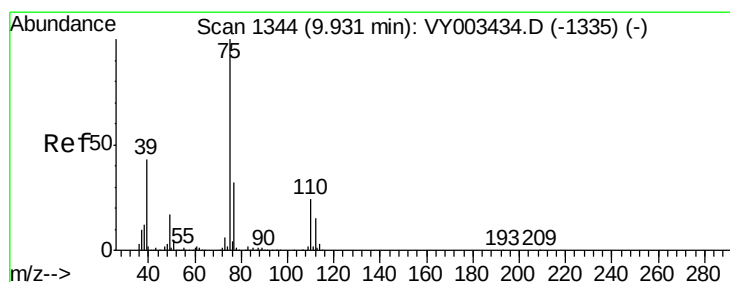
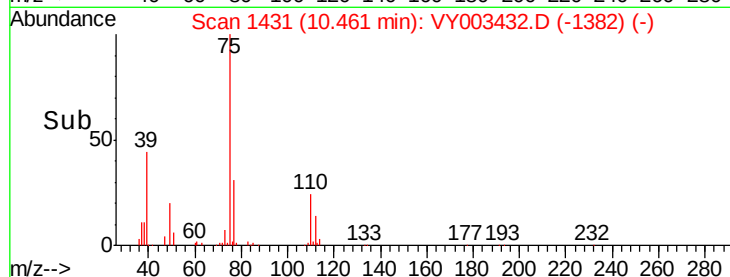
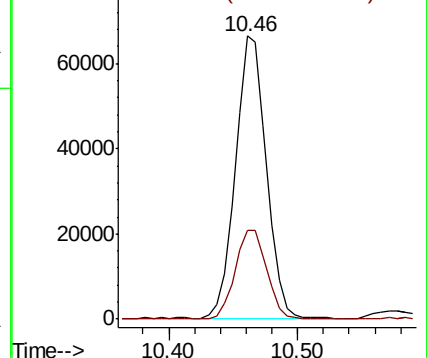
75 100

77 31.3 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 9.977 ug/l

RT: 9.92 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

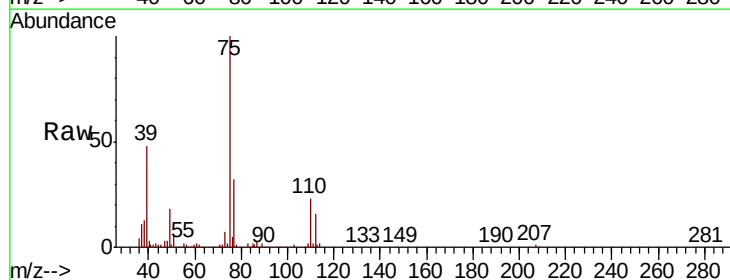
Tgt Ion: 75 Resp: 128991

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

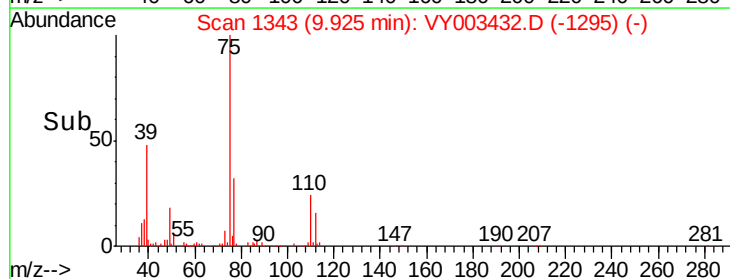
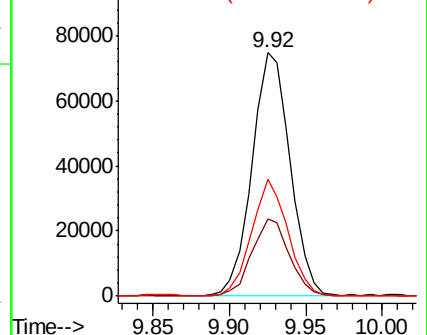
39 47.8 34.6 51.8

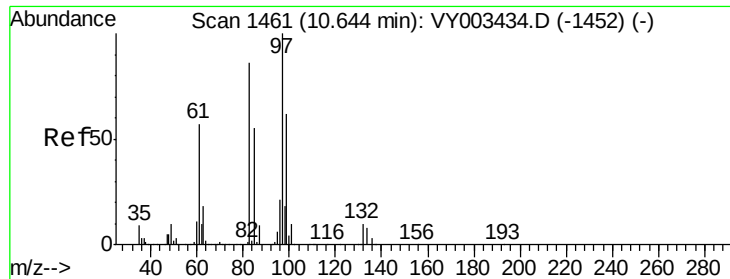


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

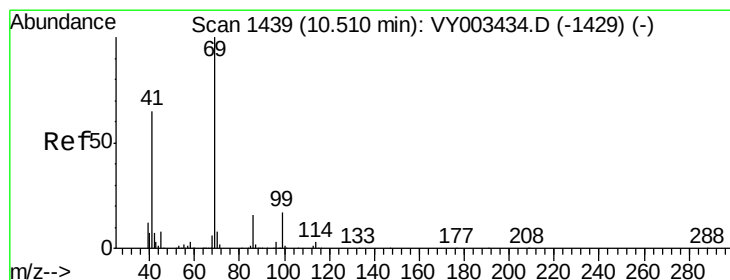
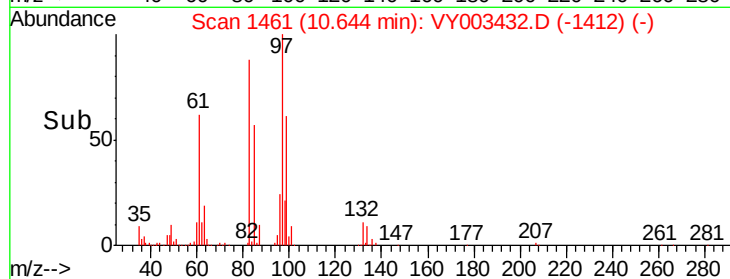
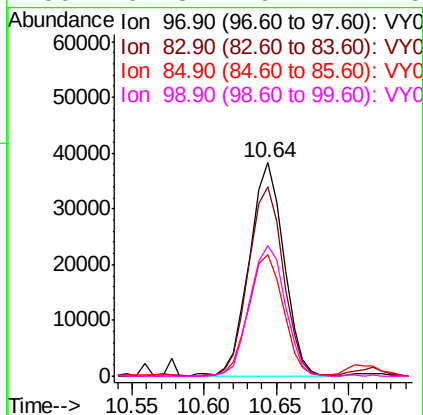
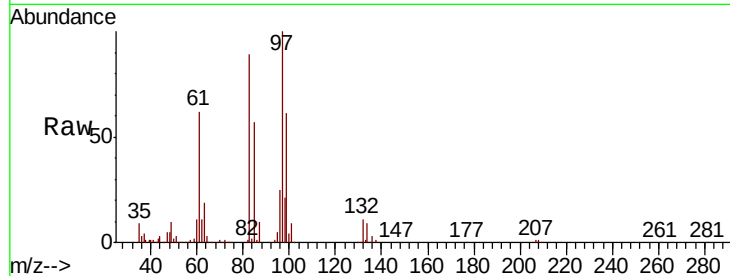




#55
 1,1,2-Trichloroethane
 Concen: 10.080 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

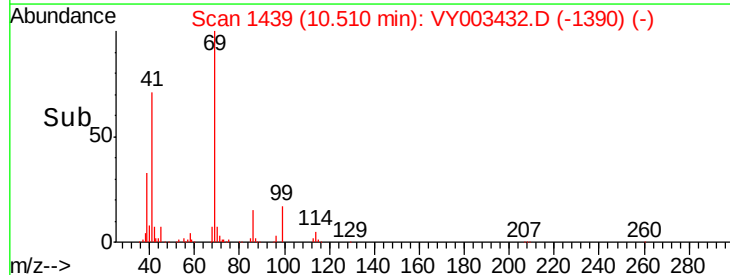
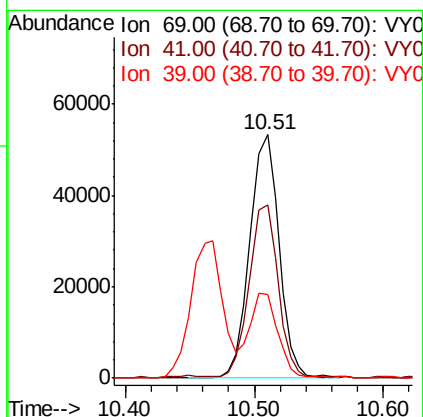
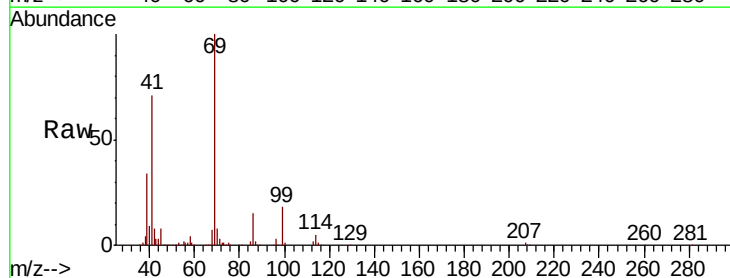
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

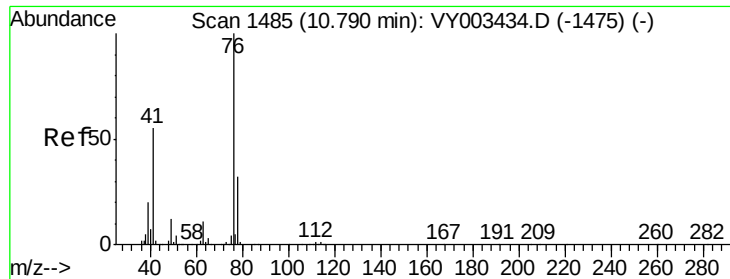
Tot Ion:	97	Resp:	63822
Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.5	102.7
85	57.0	43.9	65.9
99	61.3	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 9.766 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Tgt Ion:	69	Resp:	83628
Ion	Ratio	Lower	Upper
69	100		
41	69.7	53.2	79.8
39	33.9	25.9	38.9





#57

1,3-Dichloropropane

Concen: 10.230 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

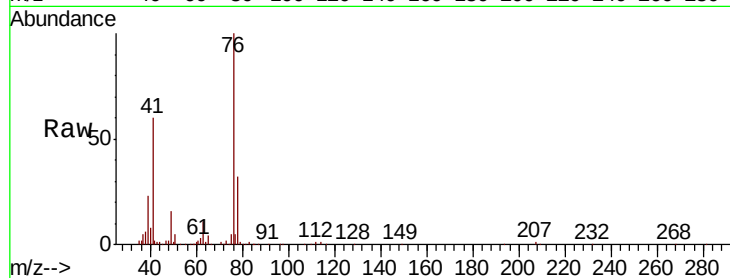
VSTDIC010

Tot Ion: 76 Resp: 113662

Ion Ratio Lower Upper

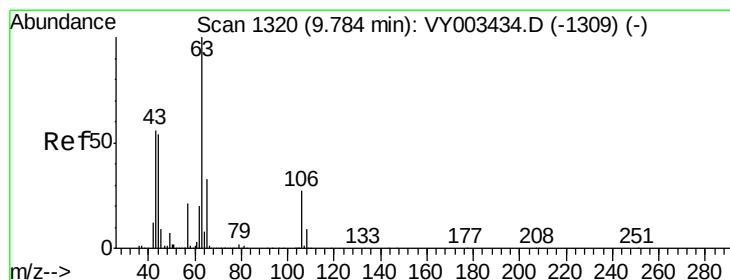
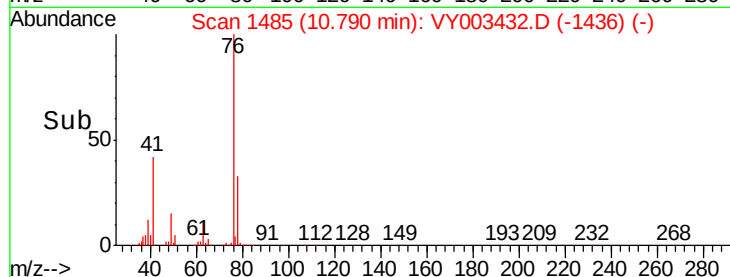
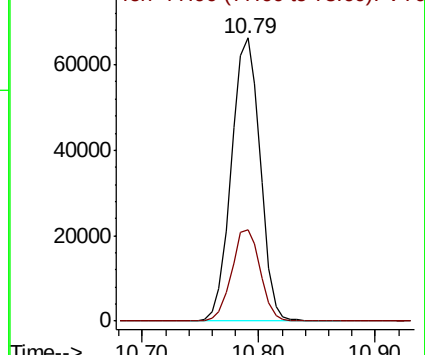
76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 52.132 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY003432.D

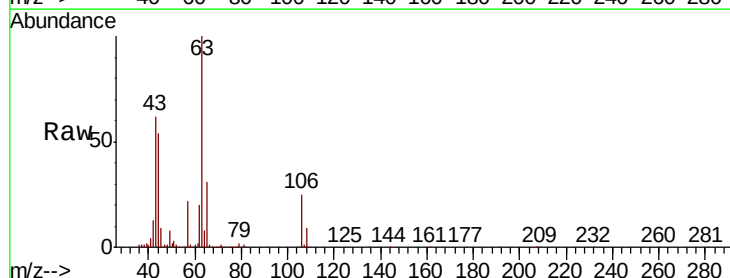
Acq: 04 Sep 2020 15:19

Tgt Ion: 63 Resp: 241082

Ion Ratio Lower Upper

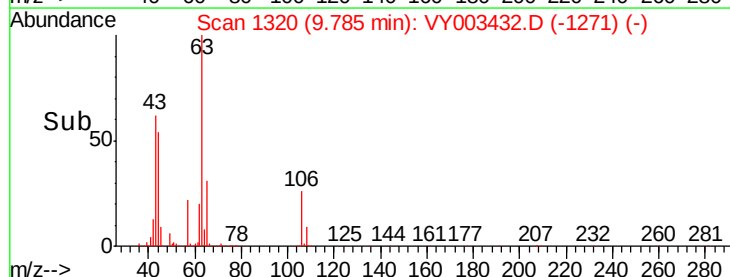
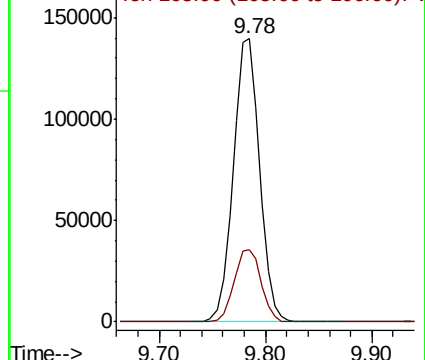
63 100

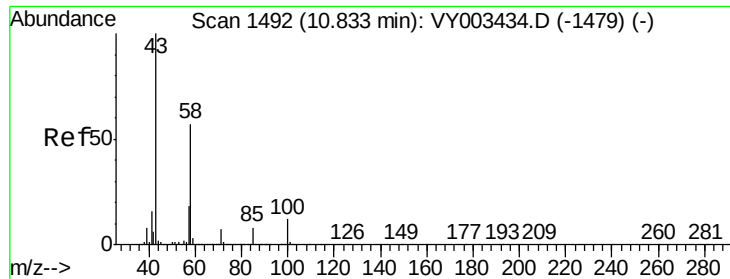
106 26.2 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

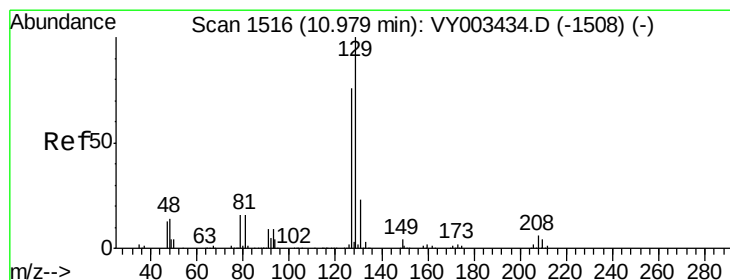
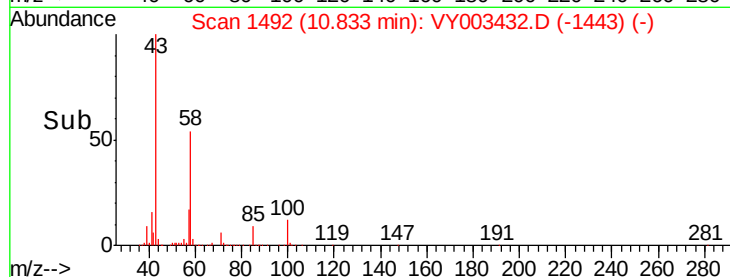
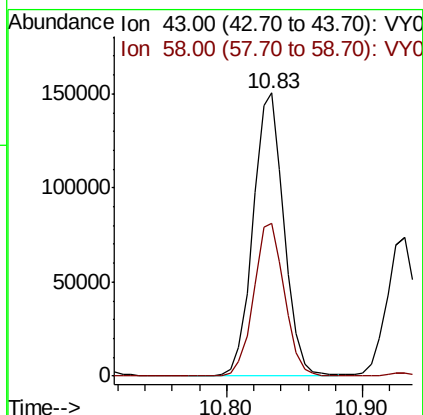
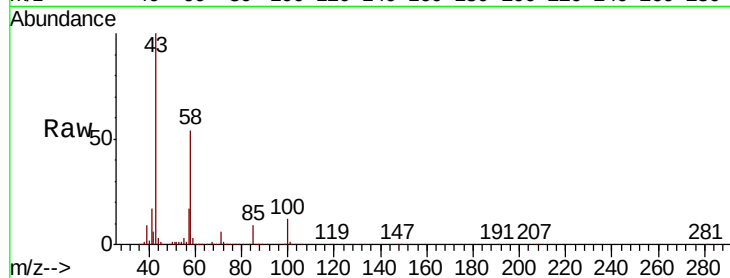




#59
2-Hexanone
Concen: 51.829 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

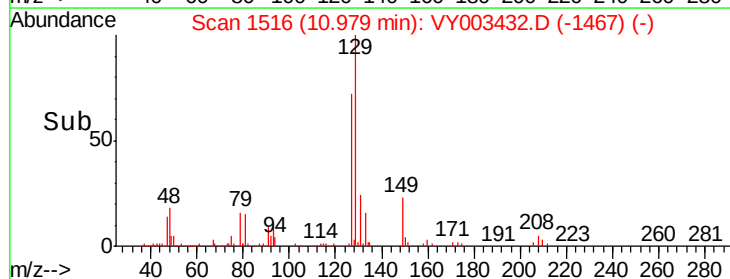
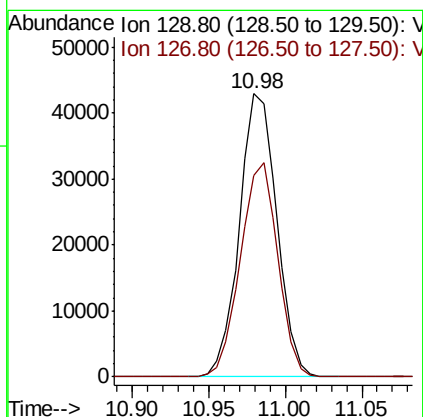
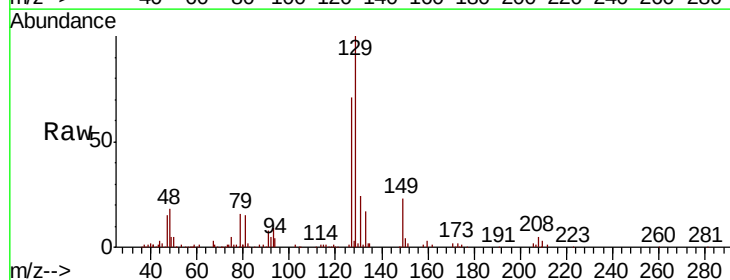
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

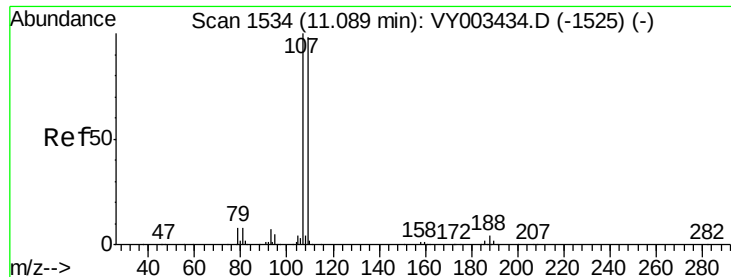
Tot Ion: 43 Resp: 239089
Ion Ratio Lower Upper
43 100
58 53.8 27.8 83.3



#60
Dibromochloromethane
Concen: 10.201 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion: 129 Resp: 72980
Ion Ratio Lower Upper
129 100
127 75.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 10.202 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

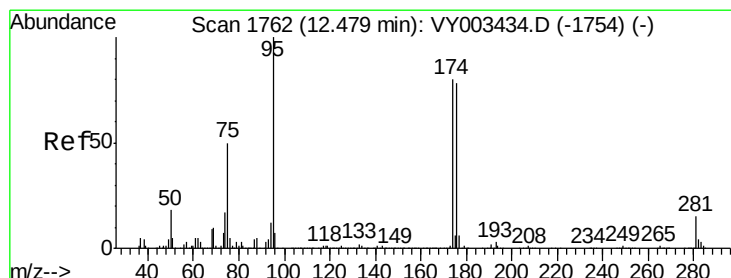
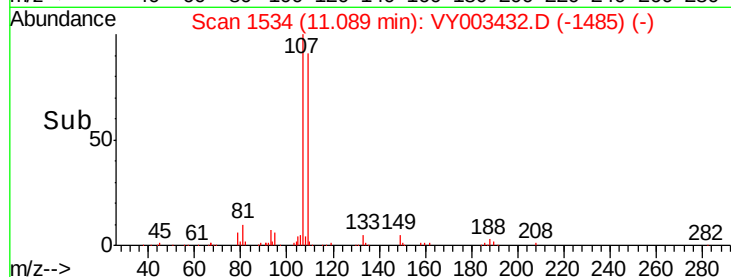
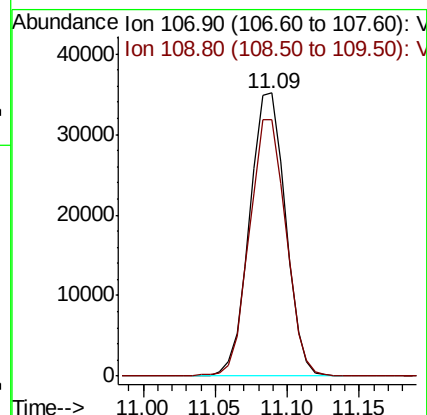
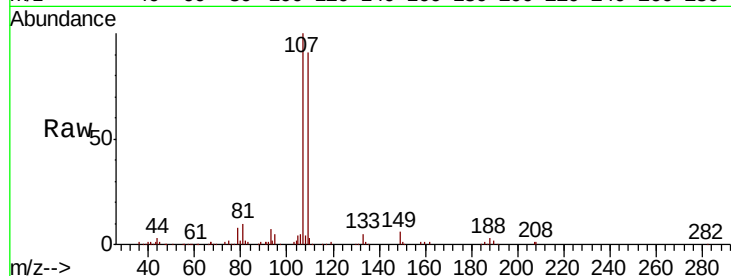
VSTDIC010

Tot Ion: 107 Resp: 60547

Ion Ratio Lower Upper

107 100

109 92.5 75.8 113.6



#62

4-Bromofluorobenzene

Concen: 10.285 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

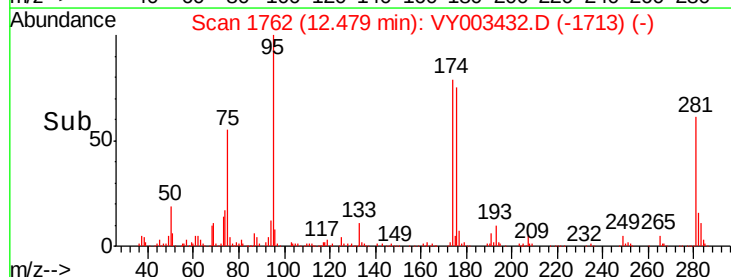
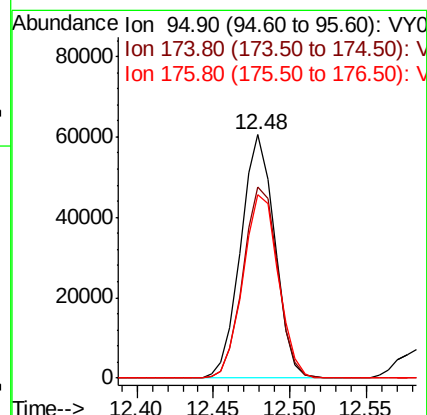
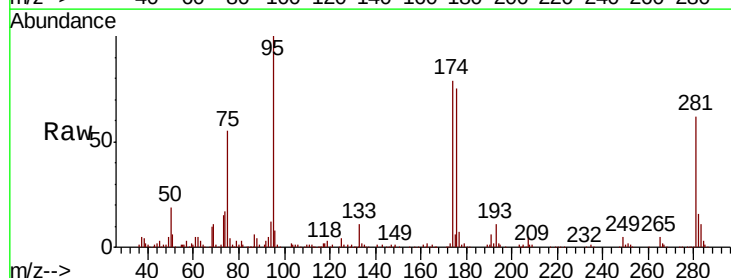
Tgt Ion: 95 Resp: 93473

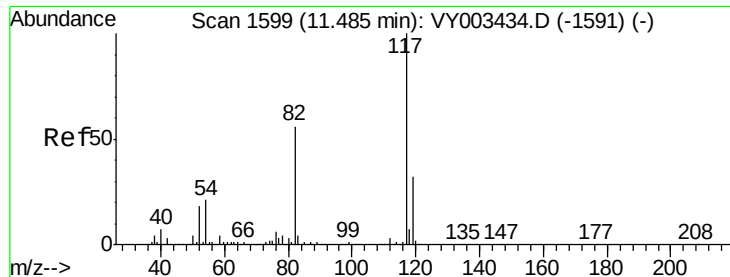
Ion Ratio Lower Upper

95 100

174 80.4 0.0 161.6

176 78.3 0.0 157.6

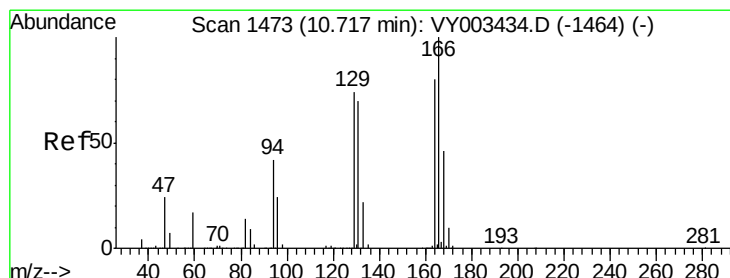
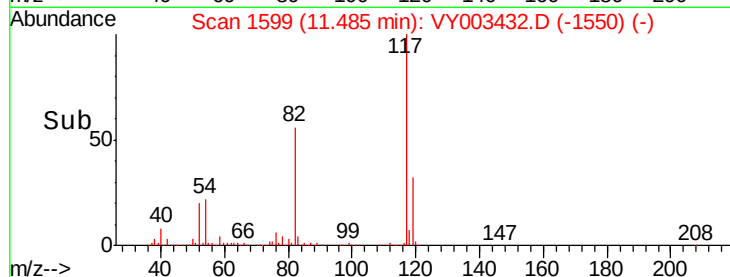
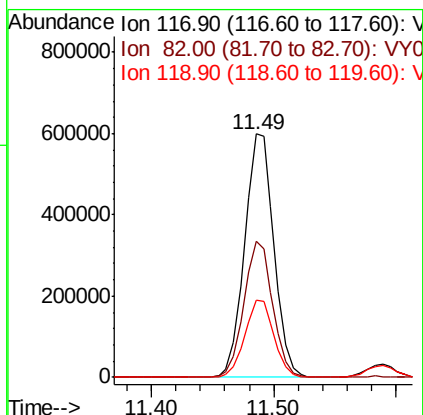
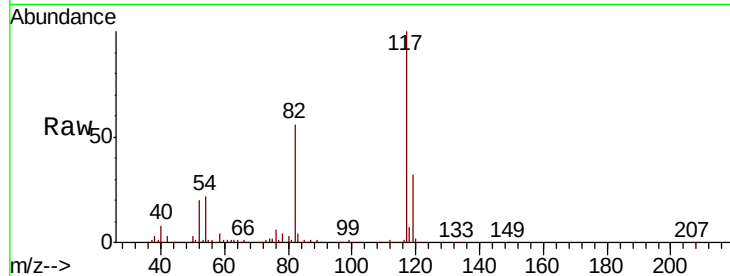




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

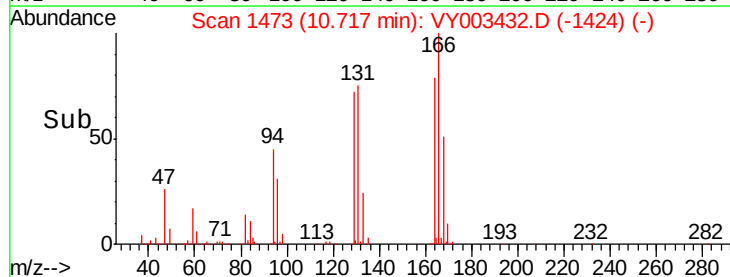
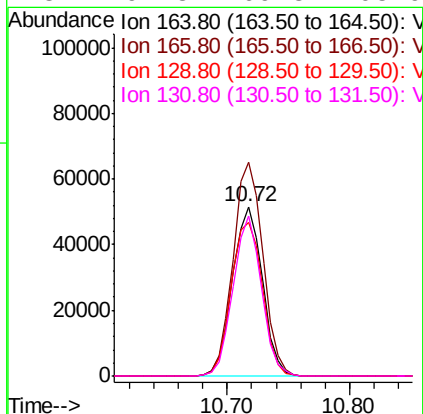
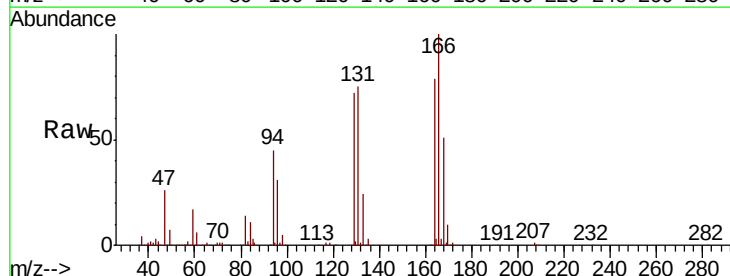
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

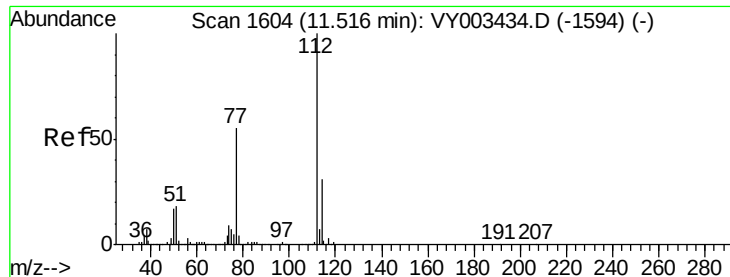
Tot Ion:117 Resp: 994134
Ion Ratio Lower Upper
117 100
82 56.1 44.8 67.2
119 31.6 25.9 38.9



#64
Tetrachloroethene
Concen: 10.353 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion:164 Resp: 87002
Ion Ratio Lower Upper
164 100
166 126.3 99.4 149.2
129 91.2 73.8 110.8
131 94.3 69.3 103.9

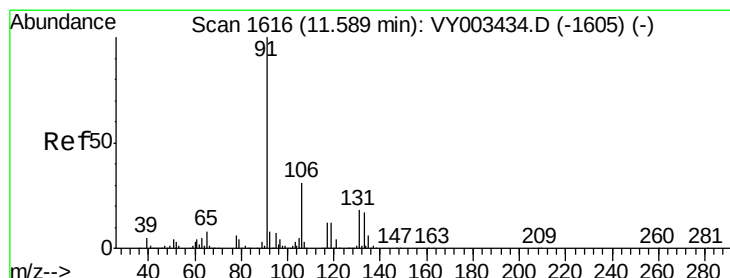
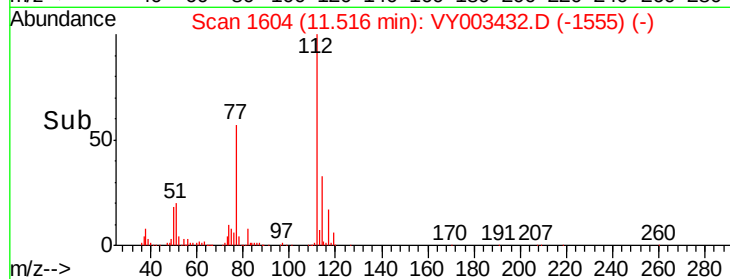
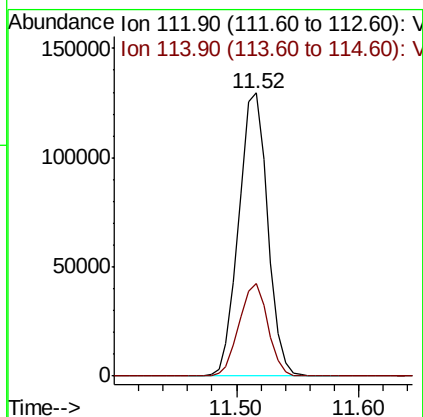
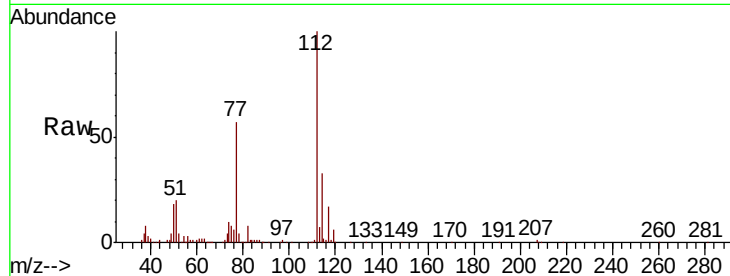




#65
Chlorobenzene
Concen: 10.162 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

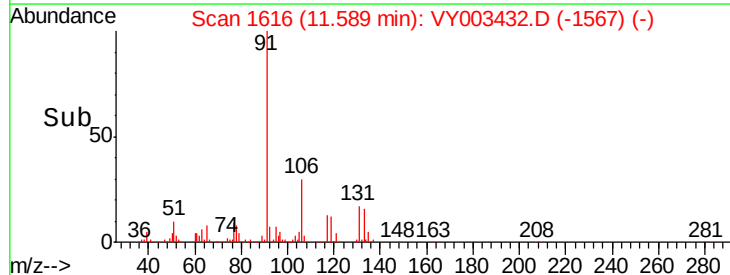
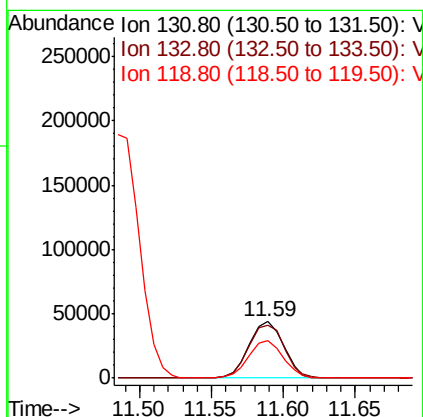
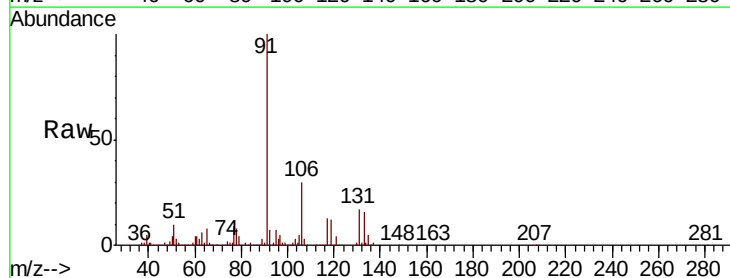
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

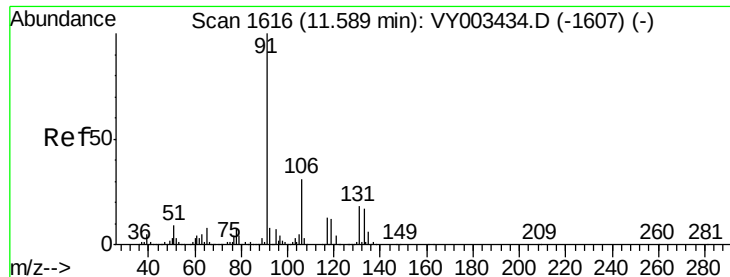
Tot Ion:112 Resp: 212149
Ion Ratio Lower Upper
112 100
114 32.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 10.108 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion:131 Resp: 73402
Ion Ratio Lower Upper
131 100
133 97.8 48.1 144.3
119 66.8 34.3 102.9

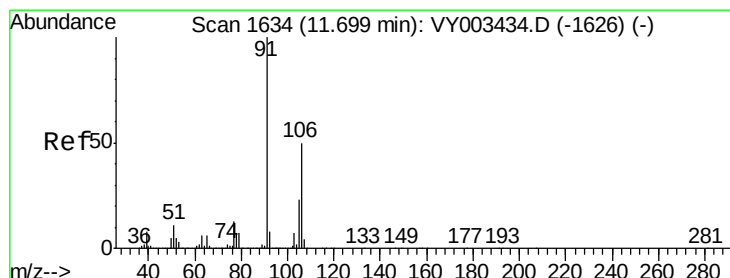
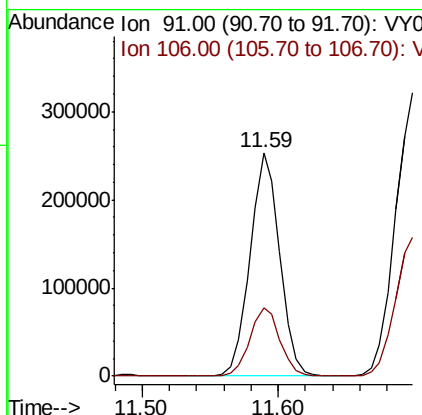
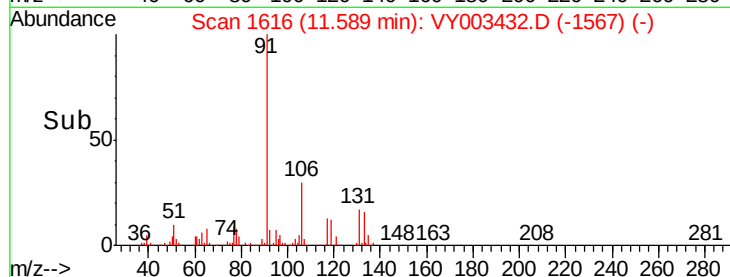
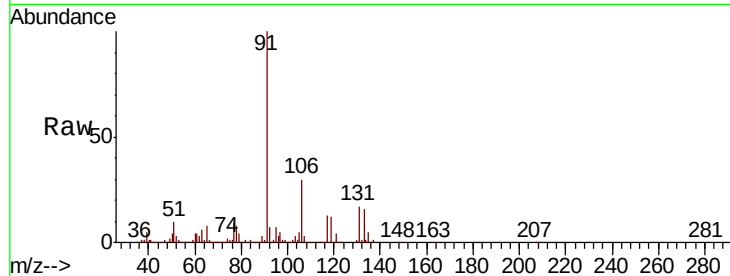




#67
Ethyl Benzene
Concen: 10.342 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

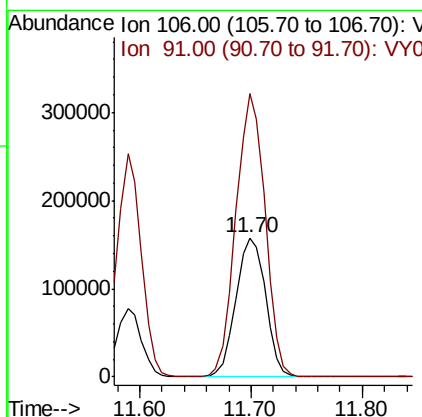
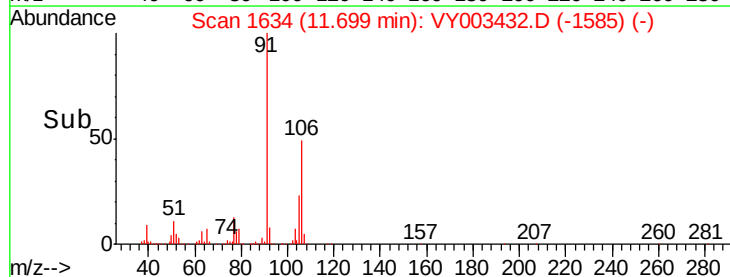
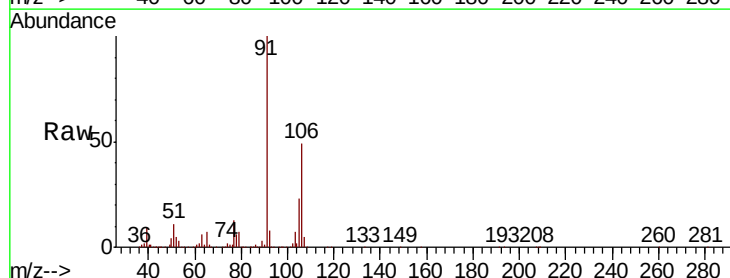
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

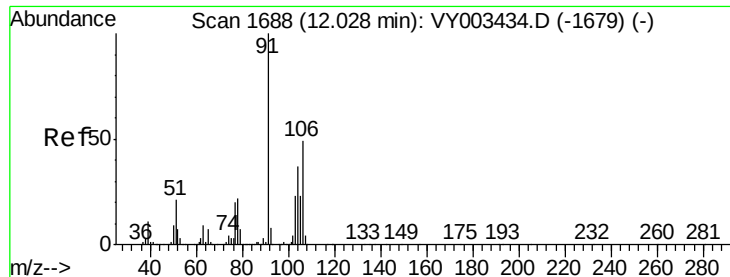
Tot Ion: 91 Resp: 386103
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 20.565 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion: 106 Resp: 289688
Ion Ratio Lower Upper
106 100
91 201.7 159.5 239.3

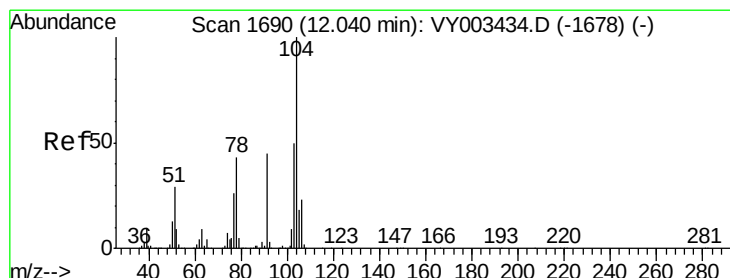
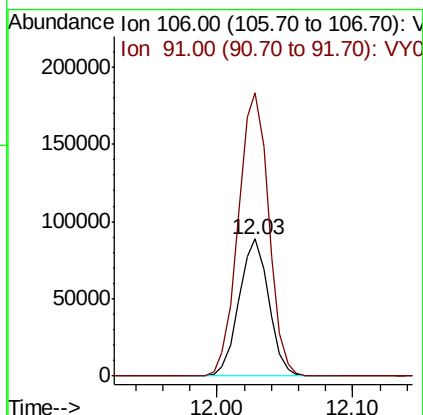
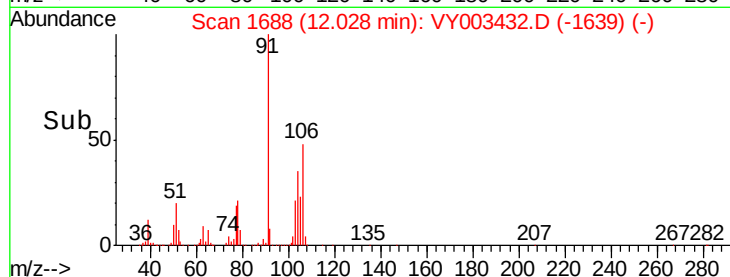
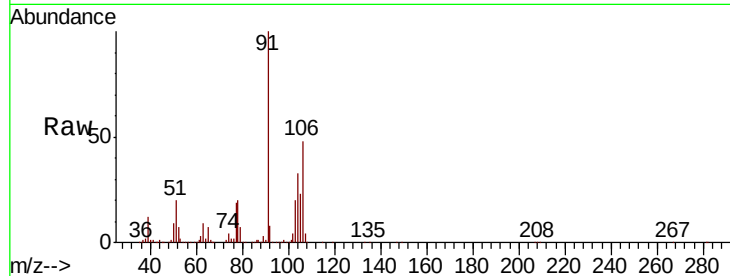




#69
o-Xylene
Concen: 10.177 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

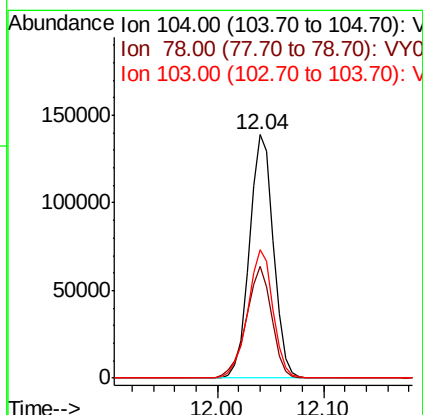
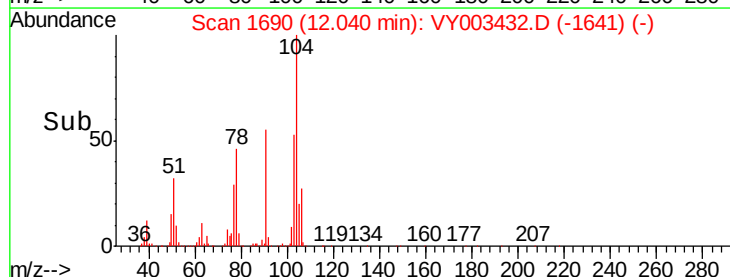
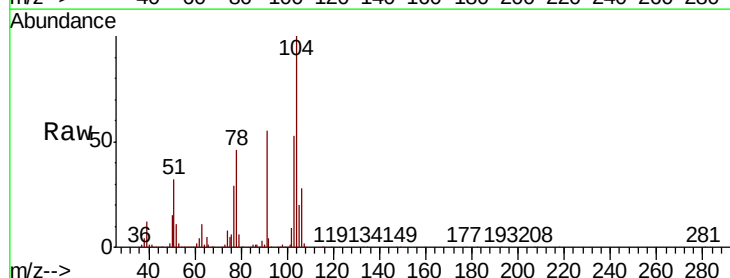
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

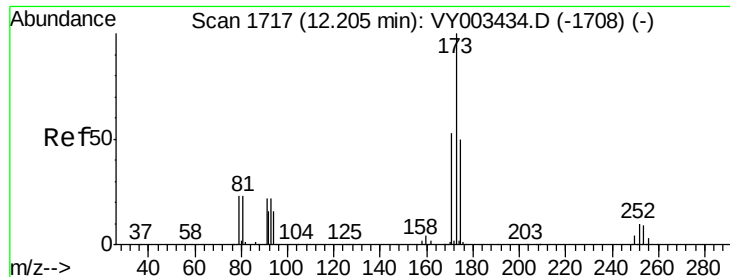
Tot Ion:106 Resp: 135261
Ion Ratio Lower Upper
106 100
91 211.6 104.7 313.9



#70
Styrene
Concen: 10.051 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion:104 Resp: 220573
Ion Ratio Lower Upper
104 100
78 48.4 38.1 57.1
103 55.6 43.8 65.6

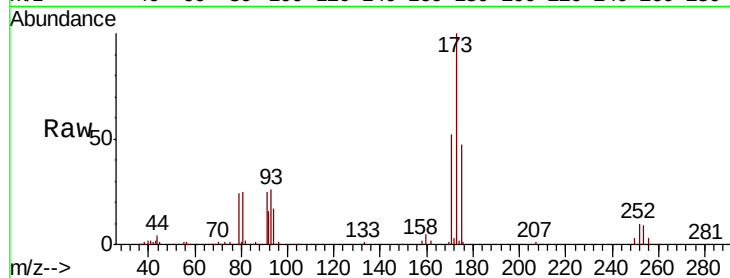




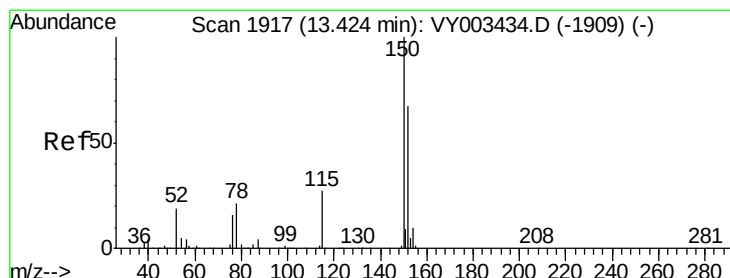
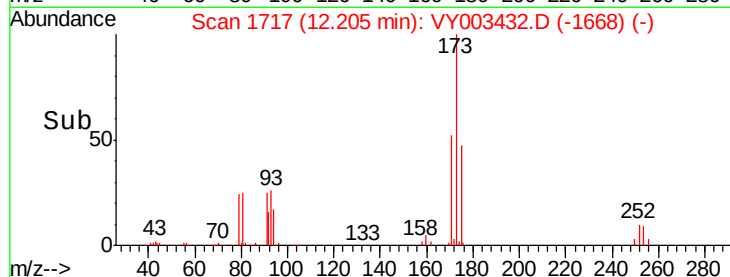
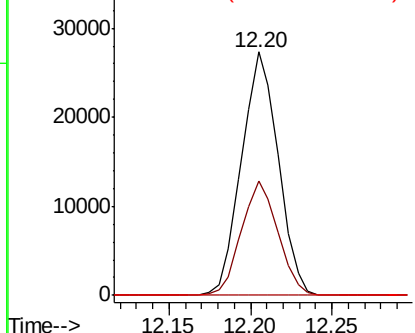
#71
Bromoform
Concen: 9.896 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.3	73.0
254	0.0	0.1	0.1#

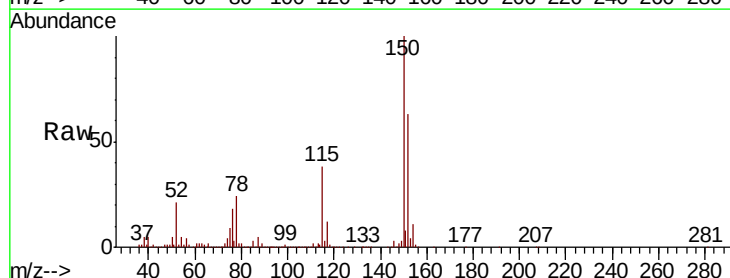


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

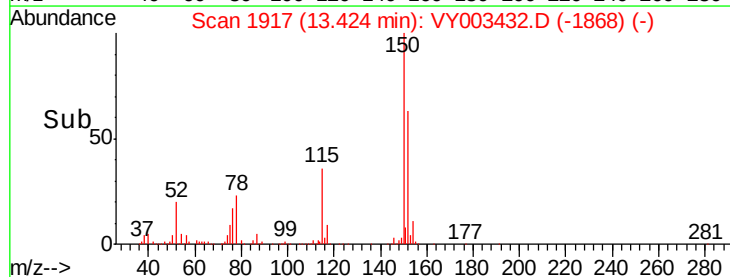
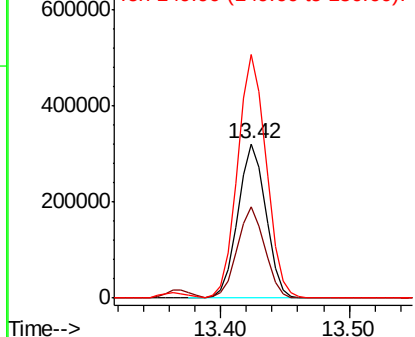


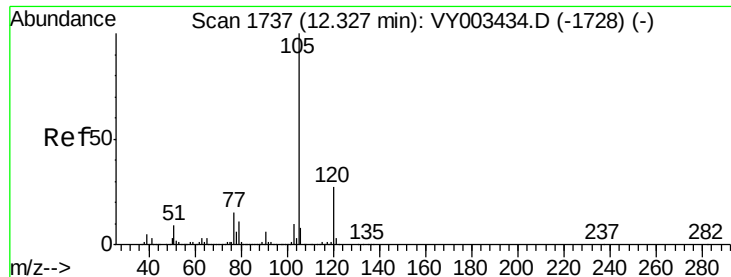
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.8
150	161.2	0.0	350.0



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: 10.309 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

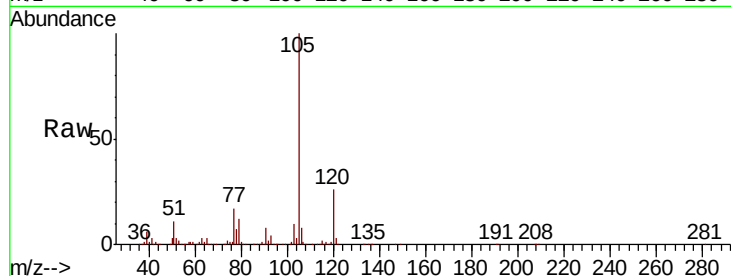
VSTDIC010

Tot Ion:105 Resp: 369717

Ion Ratio Lower Upper

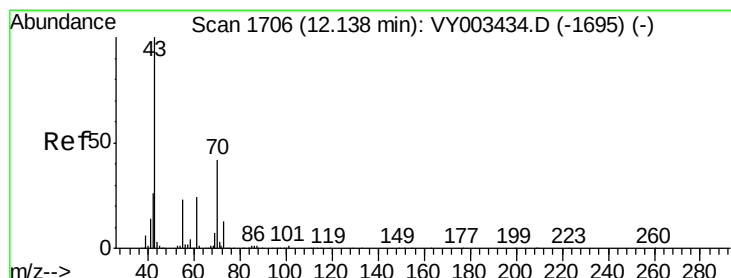
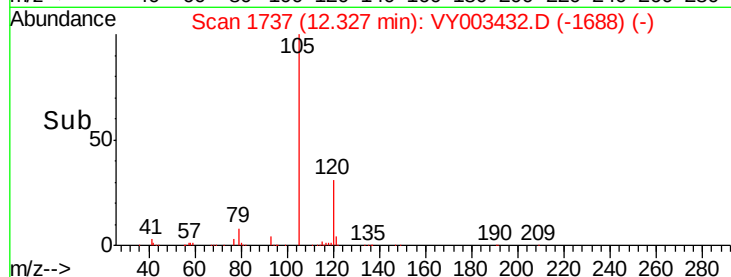
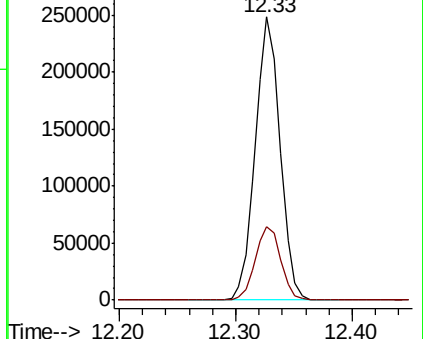
105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.295 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Tgt Ion: 43 Resp: 113861

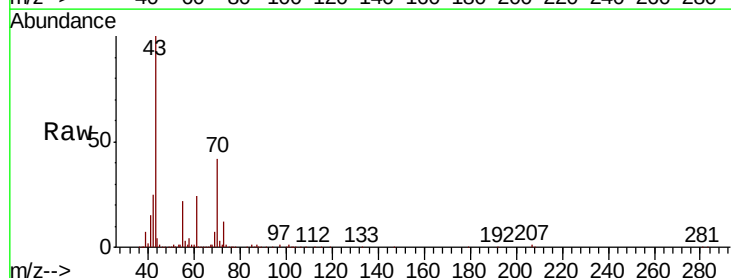
Ion Ratio Lower Upper

43 100

70 41.4 33.7 50.5

55 23.3 18.4 27.6

61 24.4 19.6 29.4

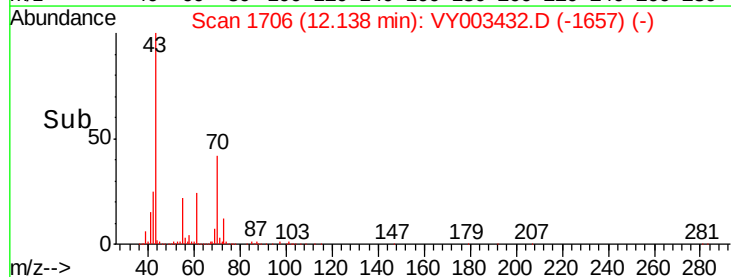
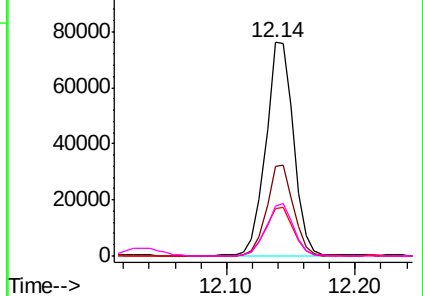


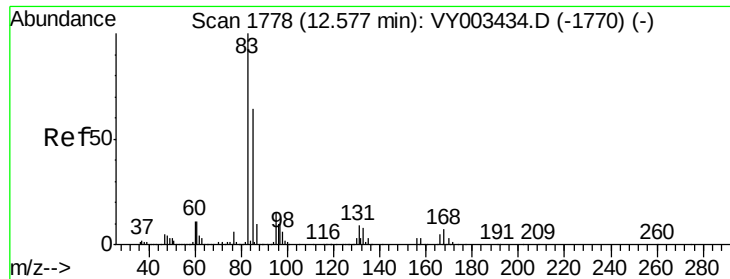
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.146 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

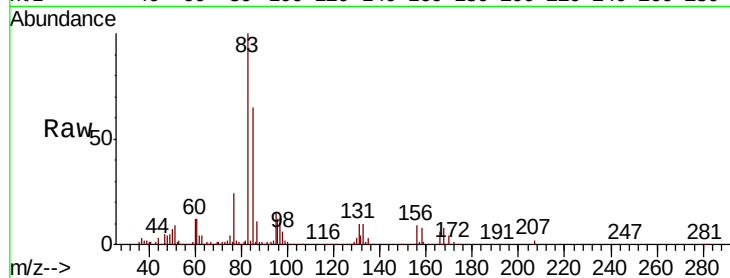
Tot Ion: 83 Resp: 73953

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

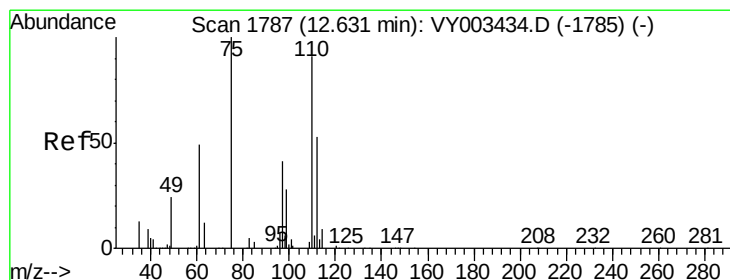
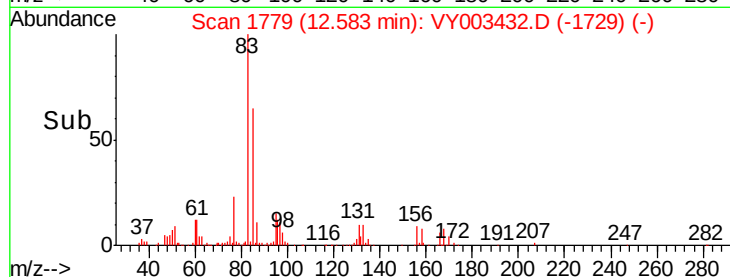
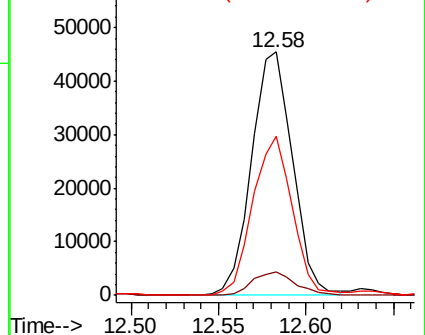
85 63.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 19.578 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003432.D

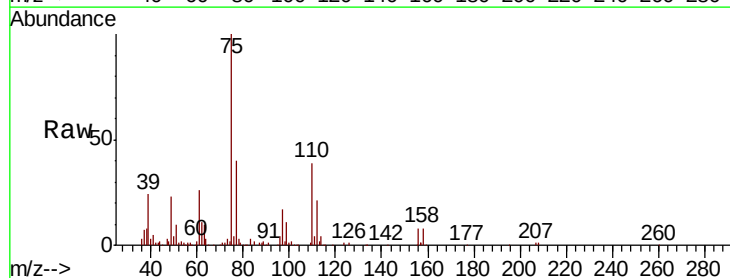
Acq: 04 Sep 2020 15:19

Tgt Ion: 75 Resp: 103807

Ion Ratio Lower Upper

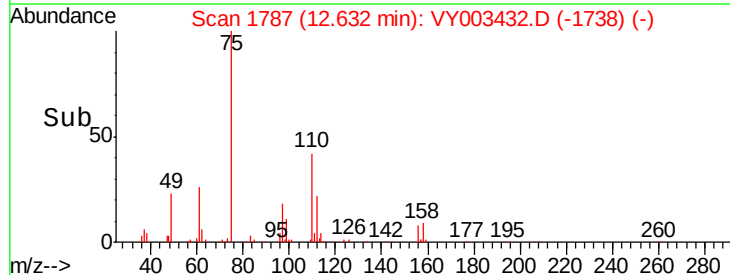
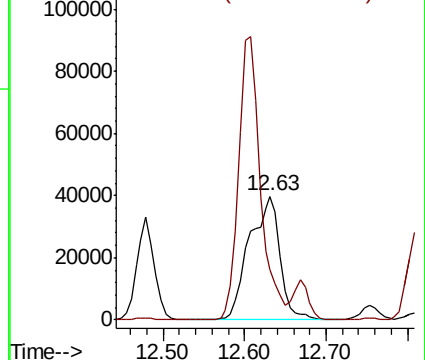
75 100

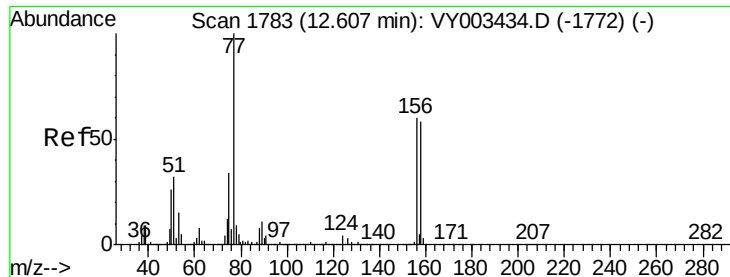
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 10.134 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

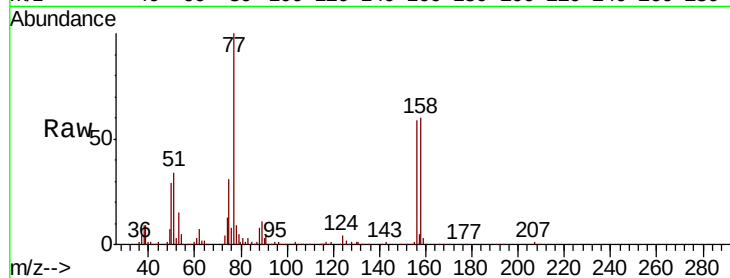
Tot Ion:156 Resp: 85403

Ion Ratio Lower Upper

156 100

77 195.7 96.7 290.1

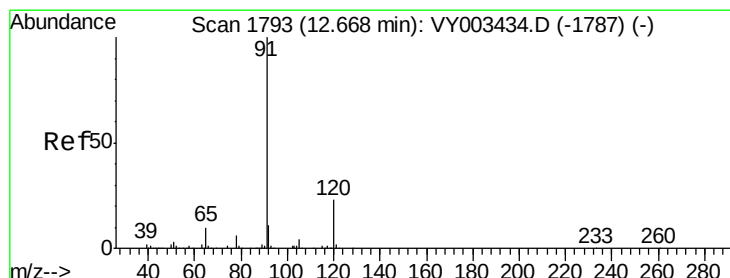
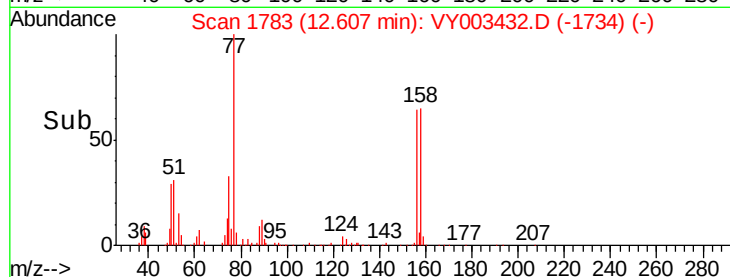
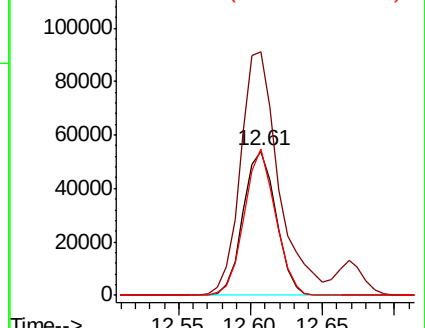
158 96.8 48.8 146.3



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: 10.394 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003432.D

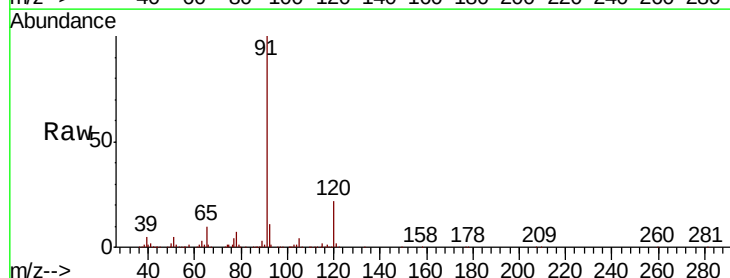
Acq: 04 Sep 2020 15:19

Tgt Ion: 91 Resp: 454942

Ion Ratio Lower Upper

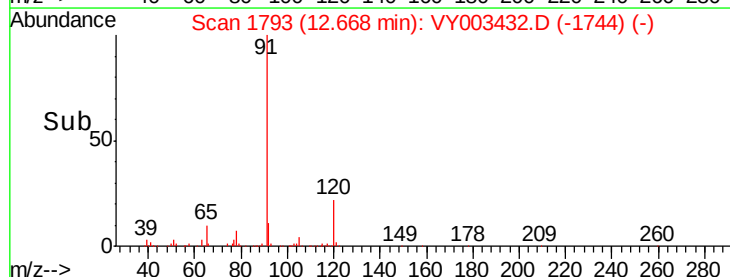
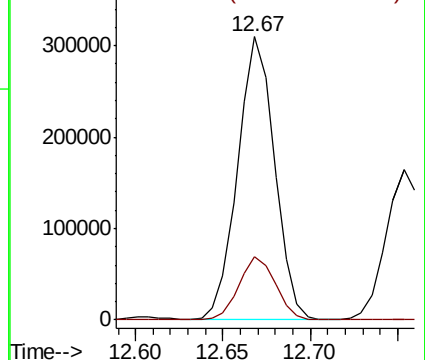
91 100

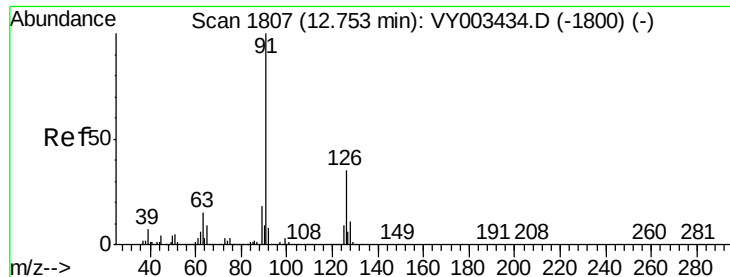
120 22.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.394 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

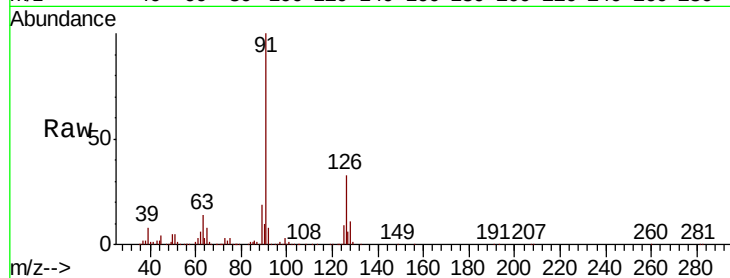
VSTDIC010

Tot Ion: 91 Resp: 250149

Ion Ratio Lower Upper

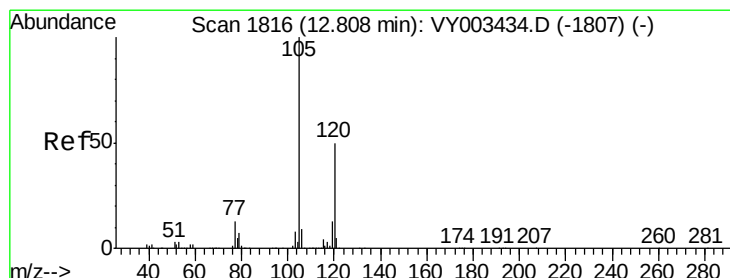
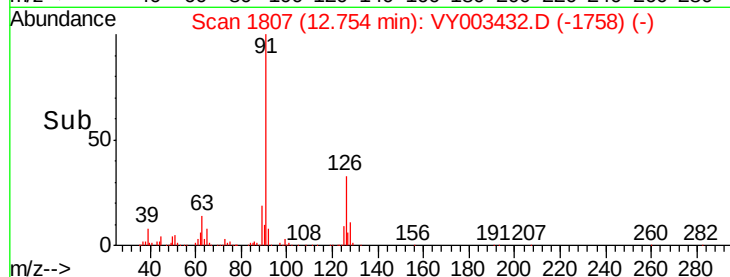
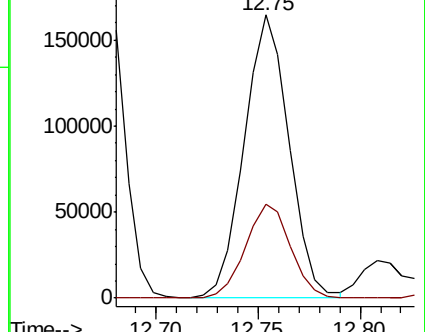
91 100

126 33.5 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 10.376 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003432.D

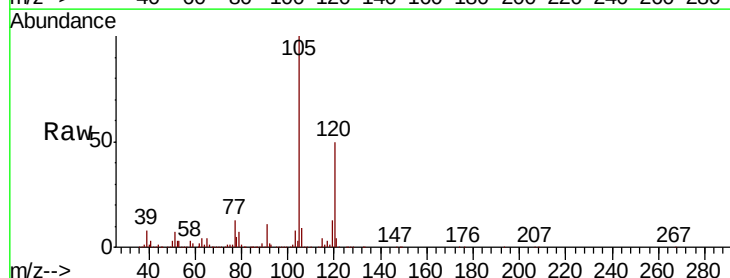
Acq: 04 Sep 2020 15:19

Tgt Ion: 105 Resp: 307635

Ion Ratio Lower Upper

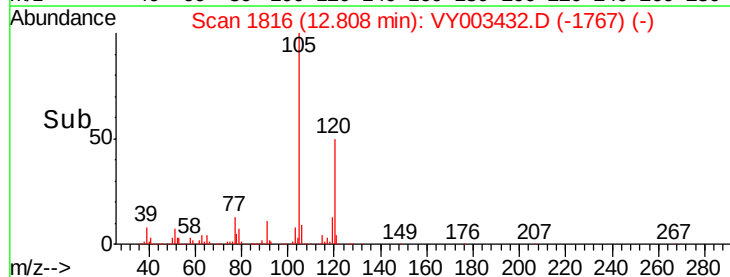
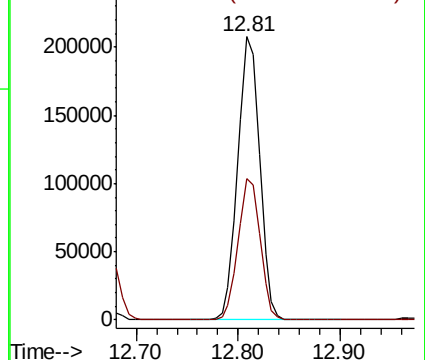
105 100

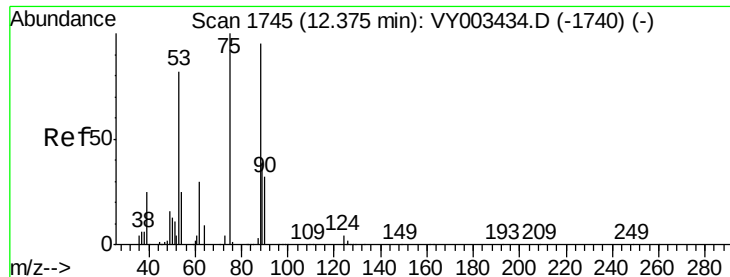
120 50.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.236 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

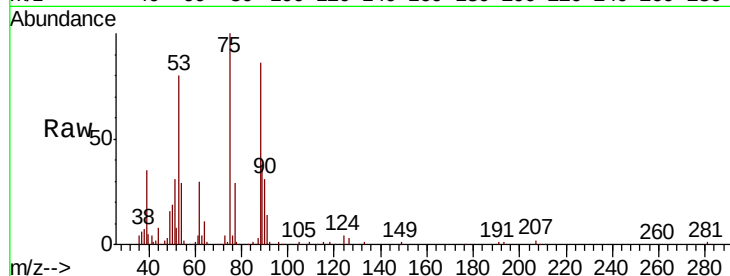
Tot Ion: 75 Resp: 27657

Ion Ratio Lower Upper

75 100

53 83.6 65.5 98.3

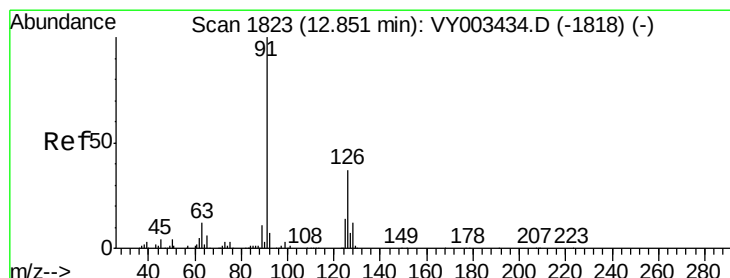
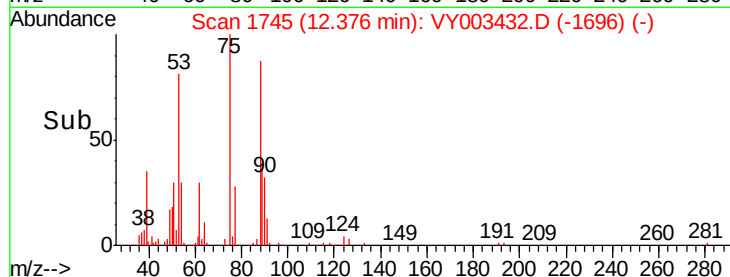
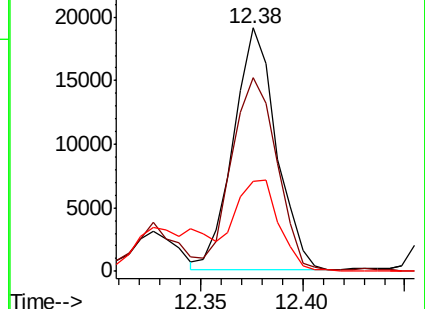
89 39.4 35.6 53.4



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: 10.298 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003432.D

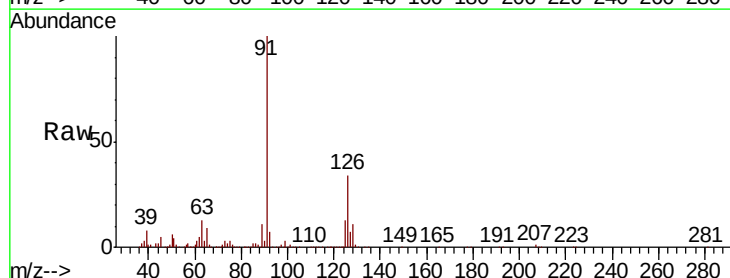
Acq: 04 Sep 2020 15:19

Tgt Ion: 91 Resp: 263943

Ion Ratio Lower Upper

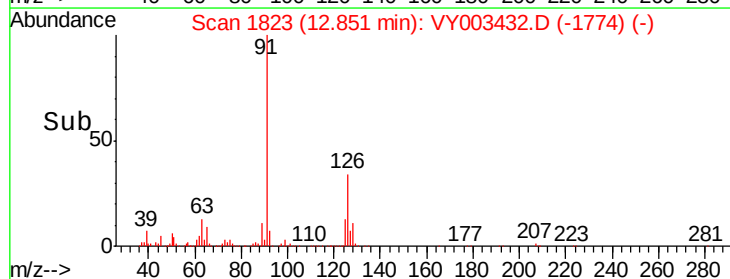
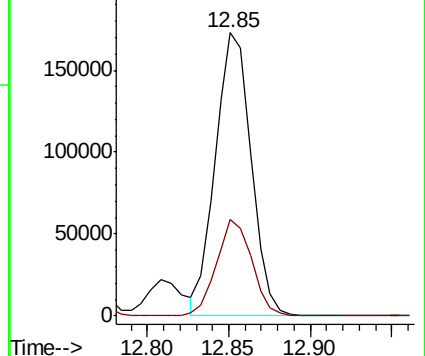
91 100

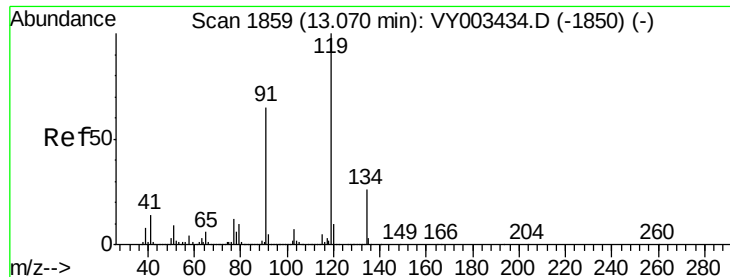
126 33.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 10.616 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

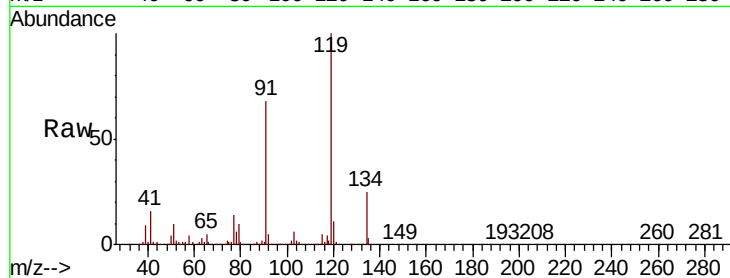
Tot Ion:119 Resp: 269678

Ion Ratio Lower Upper

119 100

91 63.7 32.4 97.0

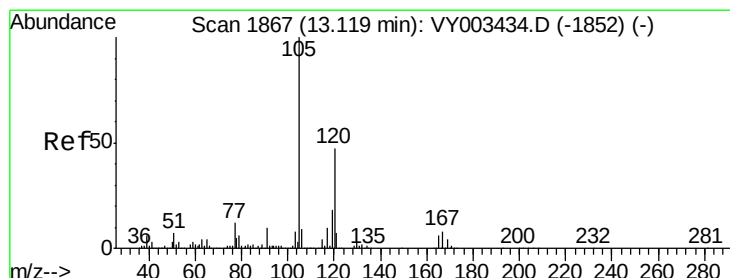
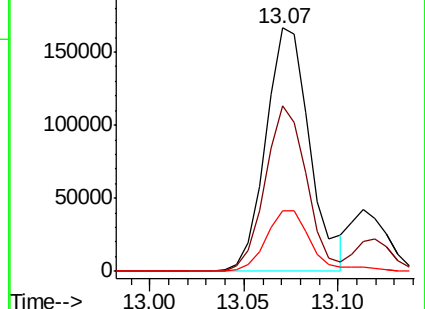
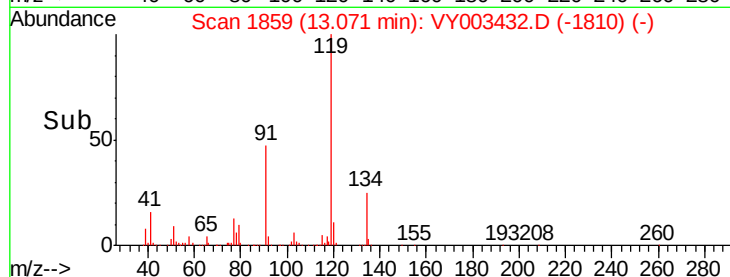
134 25.6 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.367 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003432.D

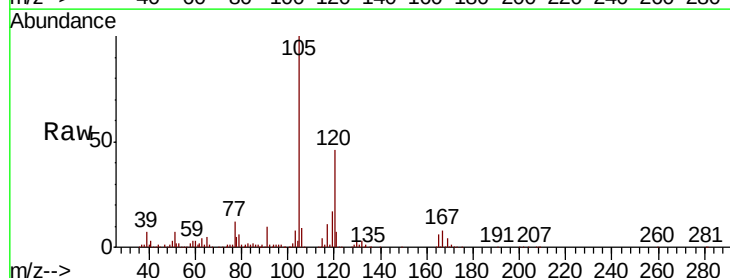
Acq: 04 Sep 2020 15:19

Tgt Ion:105 Resp: 309798

Ion Ratio Lower Upper

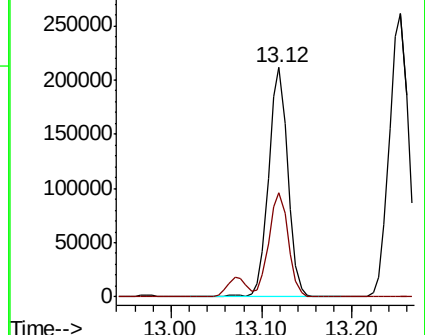
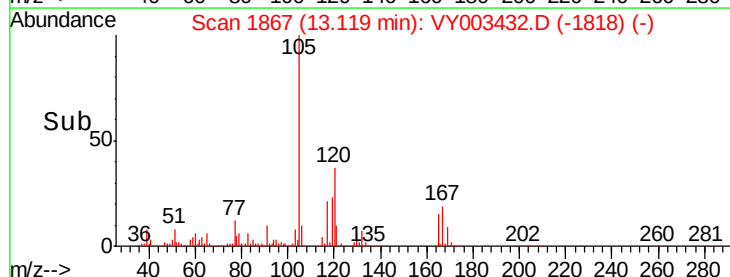
105 100

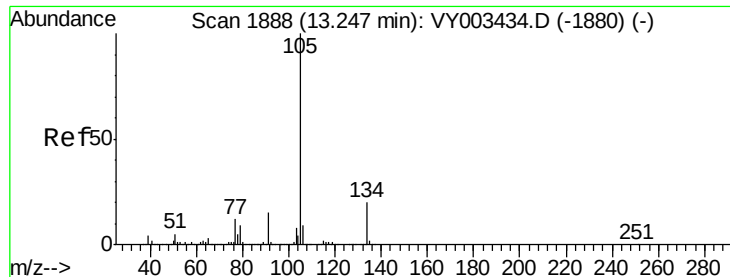
120 46.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.536 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

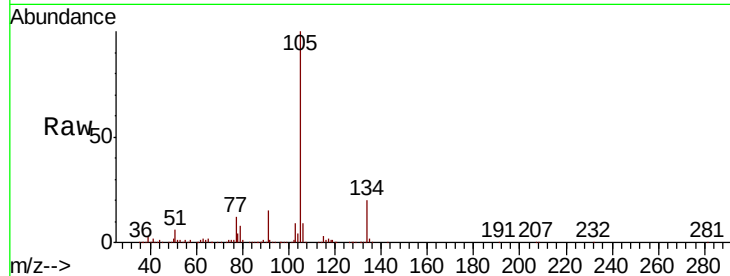
VSTDIC010

Tot Ion:105 Resp: 387242

Ion Ratio Lower Upper

105 100

134 20.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

250000

200000

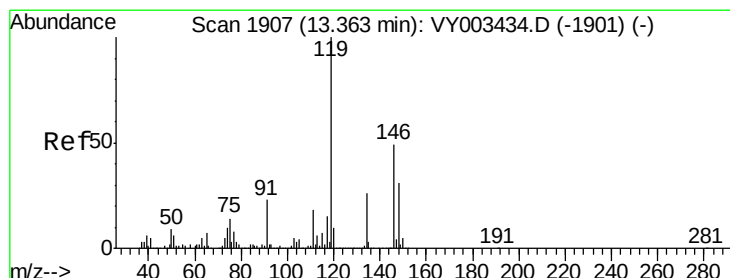
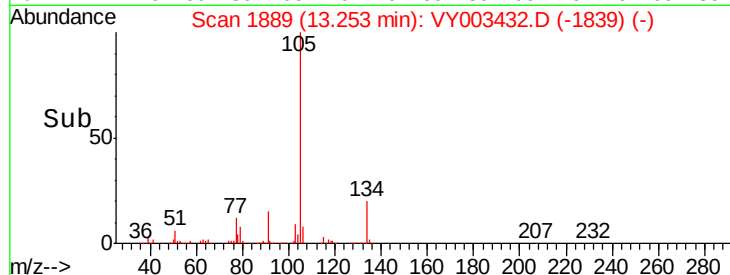
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 10.388 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

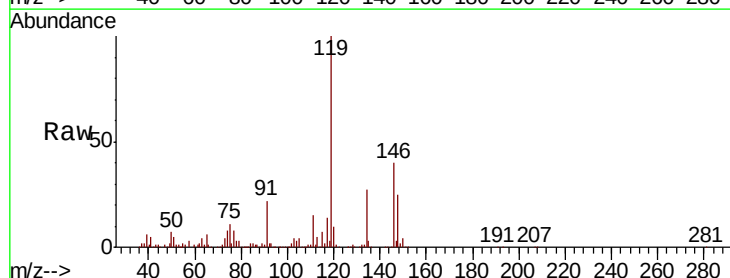
Tgt Ion:119 Resp: 339427

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 23.0 11.3 33.8



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

13.37

250000

200000

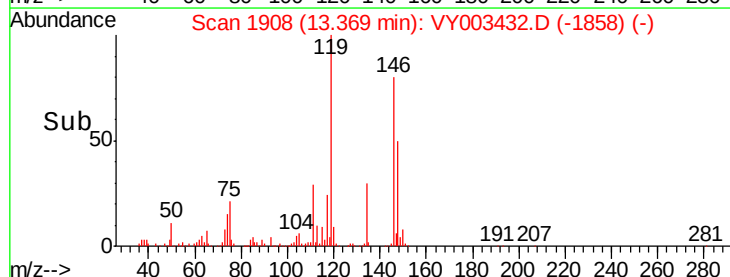
150000

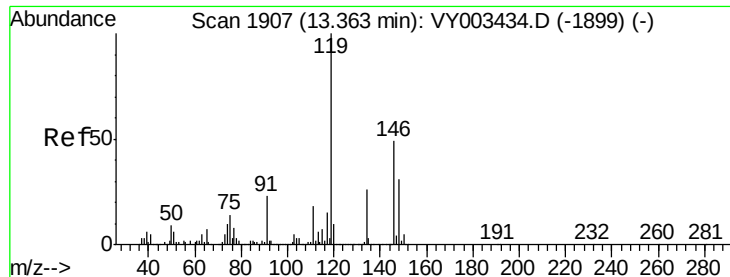
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 10.514 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

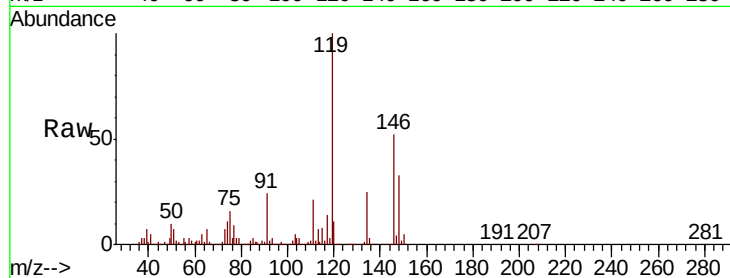
Tot Ion:146 Resp: 171757

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.1

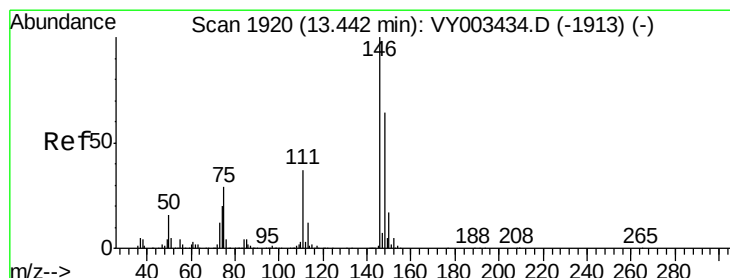
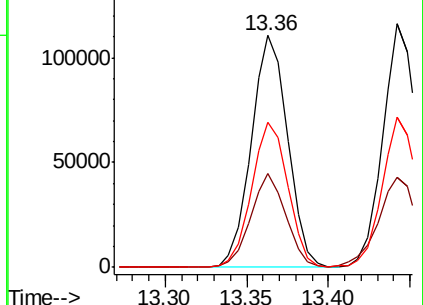
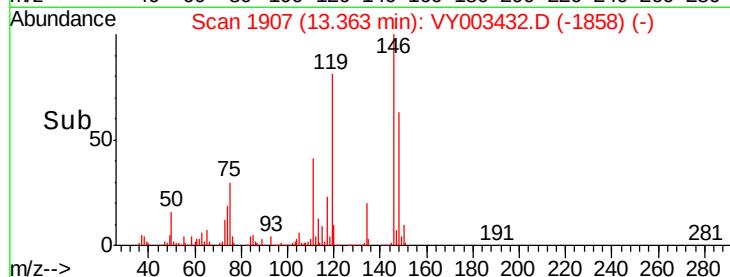
148 62.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.414 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

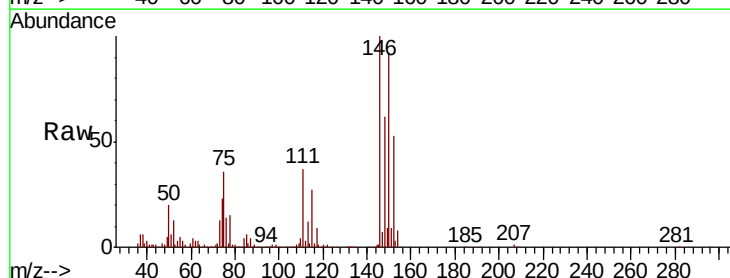
Tgt Ion:146 Resp: 171218

Ion Ratio Lower Upper

146 100

111 41.2 19.1 57.3

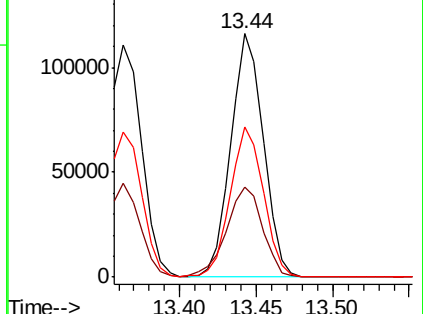
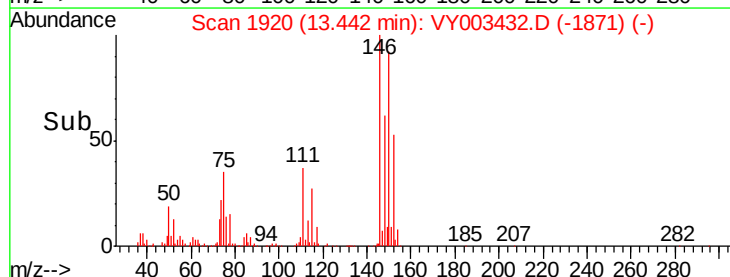
148 63.1 32.1 96.5

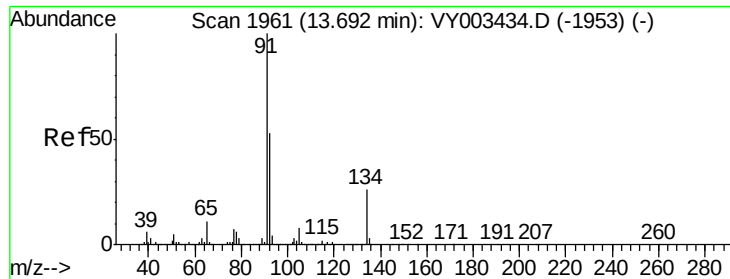


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

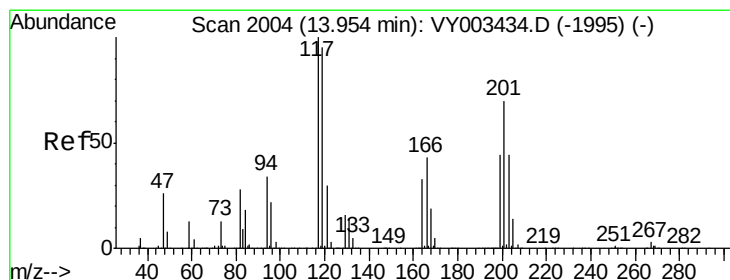
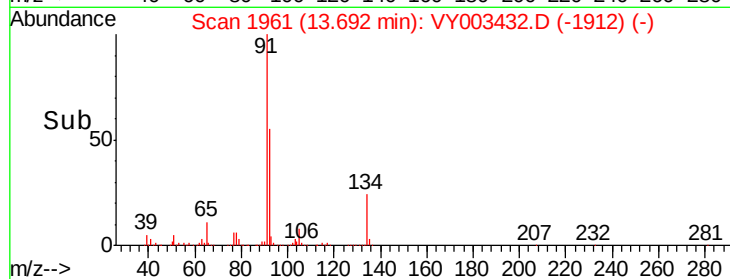
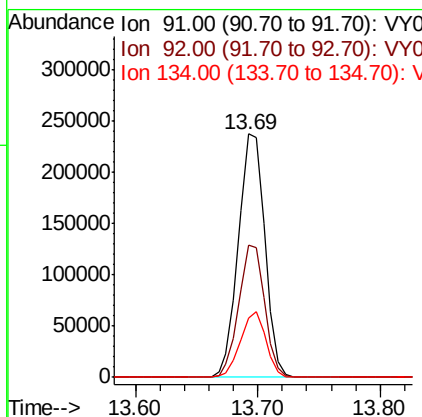
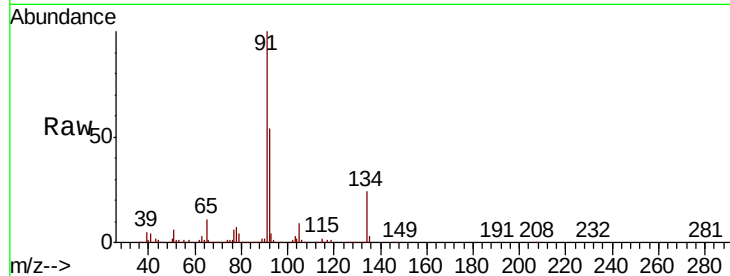




#89
n-Butylbenzene
Concen: 10.794 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

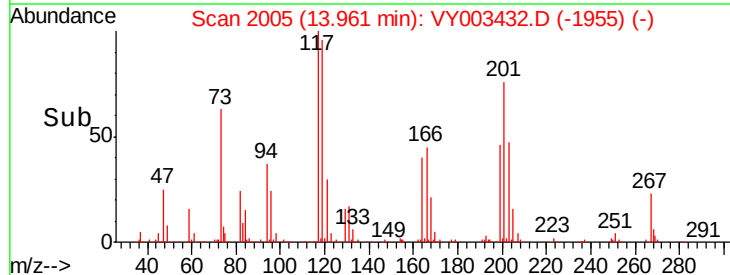
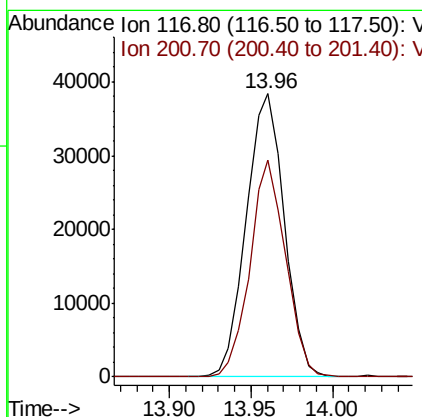
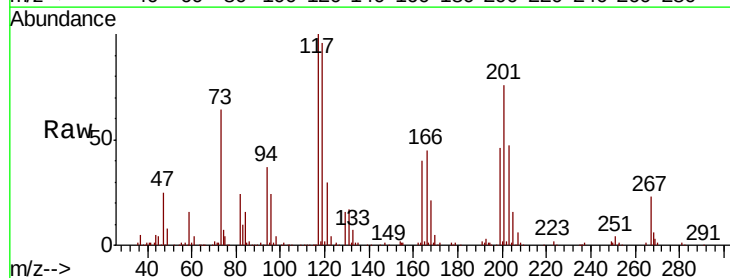
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC010

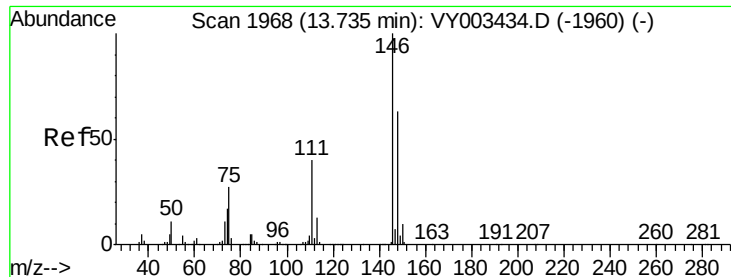
Tot Ion: 91 Resp: 354519
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.1
134 25.8 13.0 39.0



#90
Hexachloroethane
Concen: 10.490 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY003432.D
Acq: 04 Sep 2020 15:19

Tgt Ion: 117 Resp: 62299
Ion Ratio Lower Upper
117 100
201 71.6 36.9 110.7





#91

1,2-Dichlorobenzene

Concen: 10.358 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

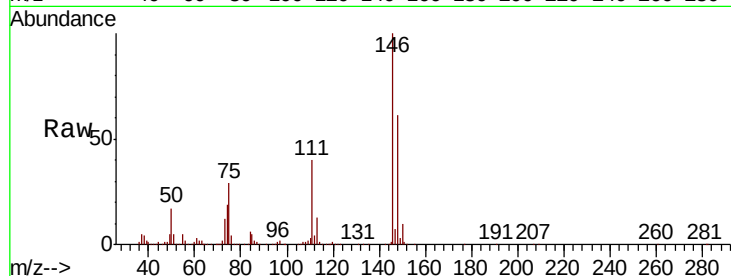
Tot Ion:146 Resp: 154005

Ion Ratio Lower Upper

146 100

111 39.8 20.3 60.8

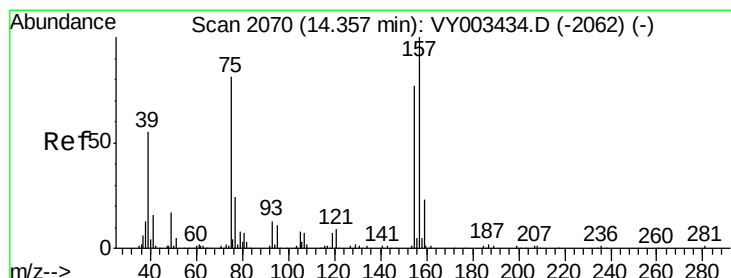
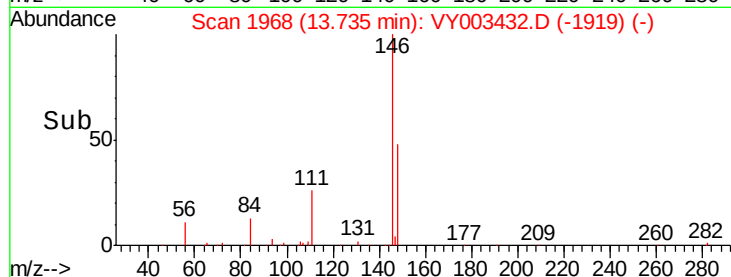
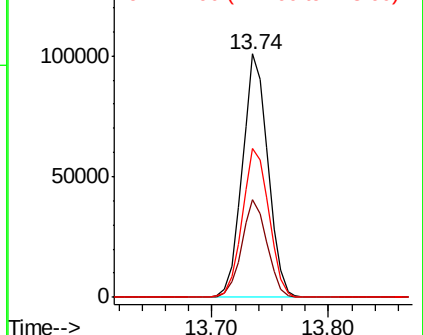
148 63.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.791 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

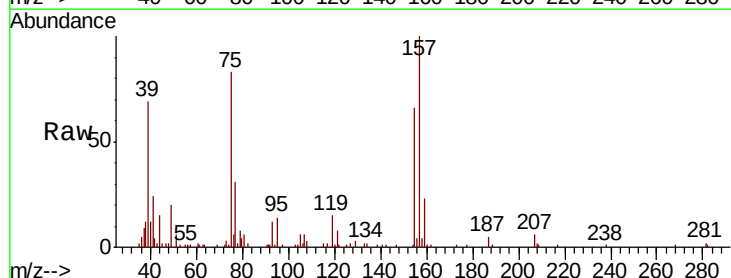
Tgt Ion: 75 Resp: 12940

Ion Ratio Lower Upper

75 100

155 81.1 47.4 142.2

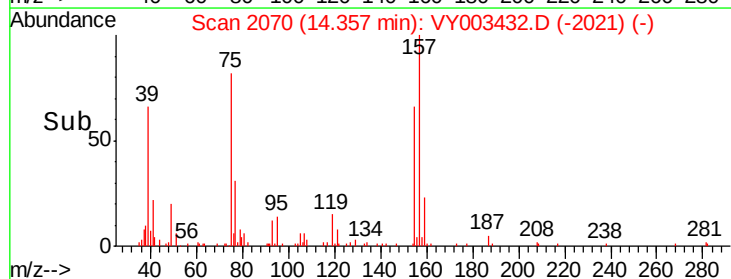
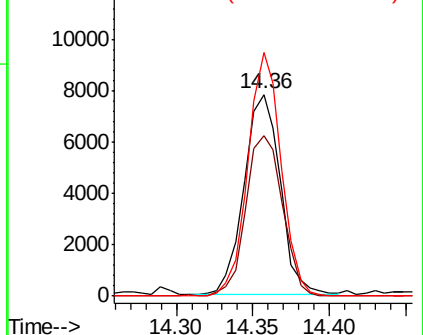
157 111.2 60.0 180.0

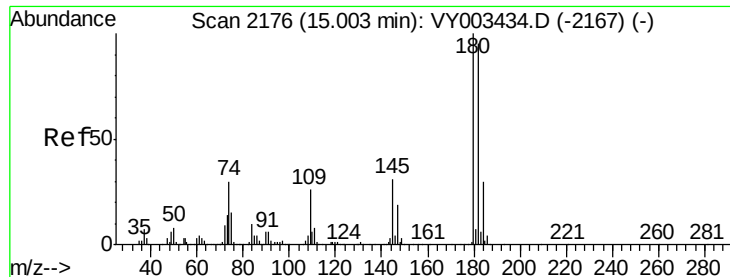


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

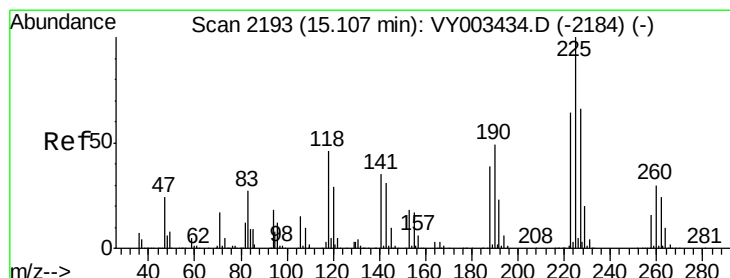
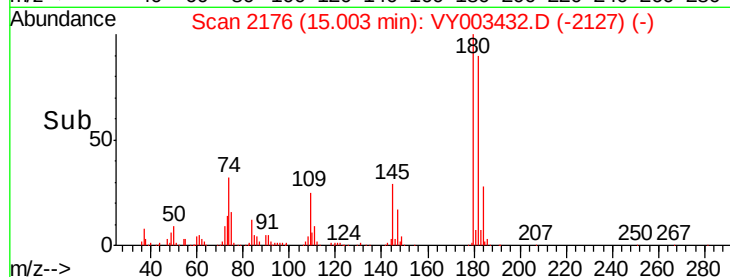
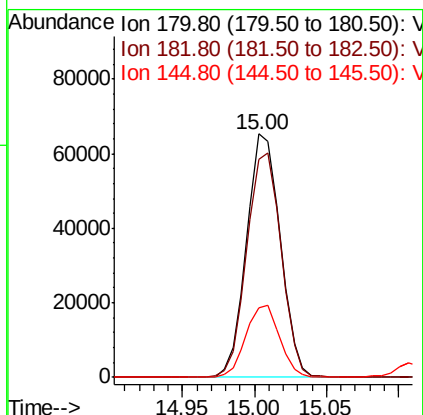
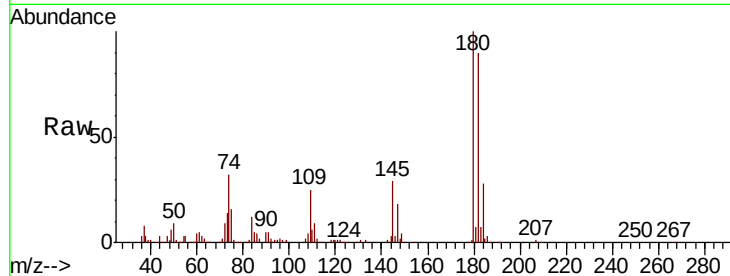




#93
 1,2,4-Trichlorobenzene
 Concen: 10.498 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

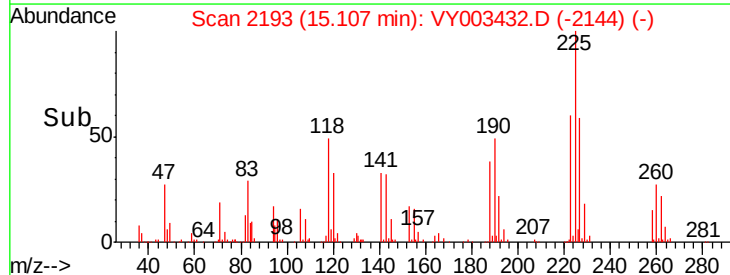
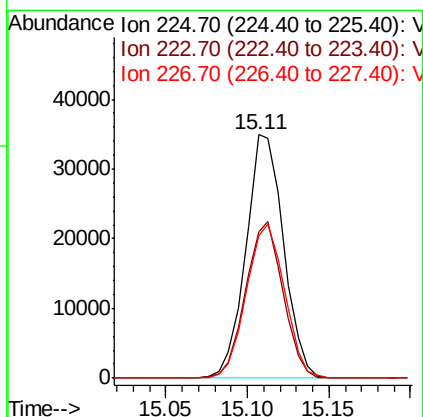
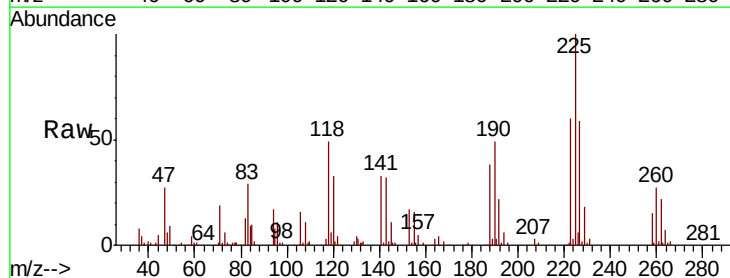
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

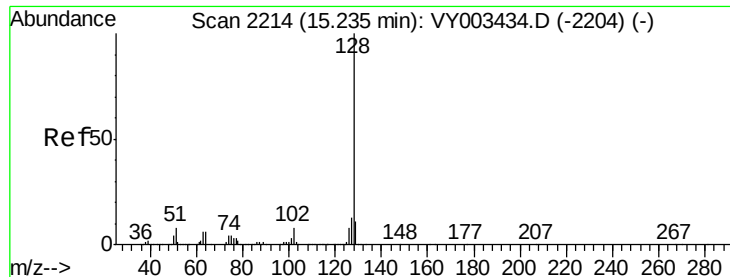
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.6
145	29.9	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 10.441 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY003432.D
 Acq: 04 Sep 2020 15:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.0	96.0
227	64.2	32.2	96.6





#95

Naphthalene

Concen: 10.340 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC010

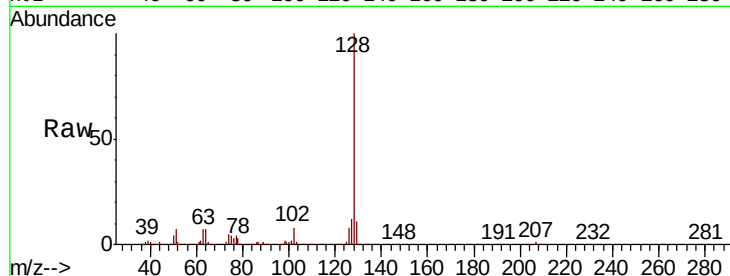
Tot Ion:128 Resp: 216801

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

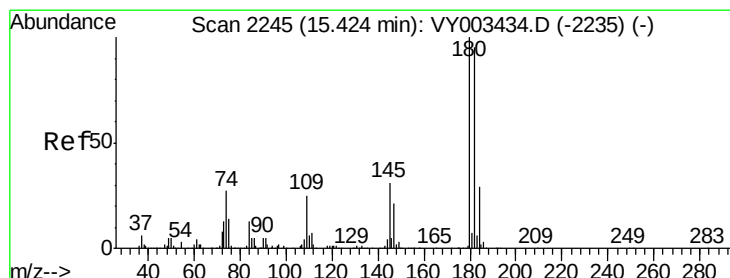
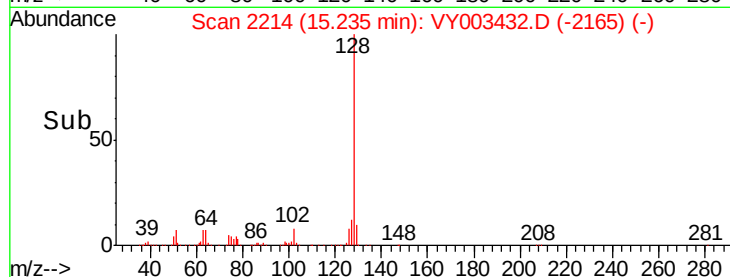
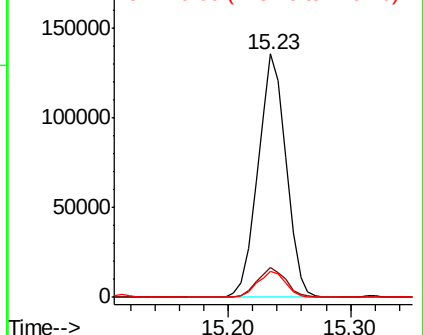
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.571 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY003432.D

Acq: 04 Sep 2020 15:19

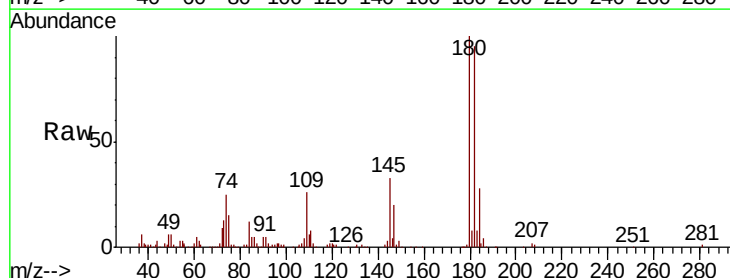
Tgt Ion:180 Resp: 94438

Ion Ratio Lower Upper

180 100

182 94.0 47.0 141.2

145 31.8 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

