

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY090420\
 Data File : VY003433.D
 Acq On : 04 Sep 2020 15:42
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 05 00:41:06 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	639422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	1075114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	977623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	477958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	132534	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
35) Dibromofluoromethane	7.72	113	123336	19.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.72%	
50) Toluene-d8	10.17	98	521974	19.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.84%	
62) 4-Bromofluorobenzene	12.48	95	172121	19.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	115897	21.552	ug/l	100
3) Chloromethane	2.11	50	149183	19.340	ug/l	99
4) Vinyl Chloride	2.25	62	134736	21.008	ug/l	97
5) Bromomethane	2.63	94	92986	18.772	ug/l	94
6) Chloroethane	2.79	64	65987	21.373	ug/l	96
7) Trichlorofluoromethane	3.12	101	204277	20.370	ug/l	100
8) Diethyl Ether	3.53	74	86266	20.842	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.90	101	134283	20.623	ug/l	95
10) Methyl Iodide	4.10	142	87831	20.670	ug/l	97
11) Tert butyl alcohol	4.96	59	104642	93.590	ug/l #	86
12) 1,1-Dichloroethene	3.87	96	136406	20.494	ug/l	87
13) Acrolein	3.74	56	62425	113.741	ug/l	99
14) Allyl chloride	4.49	41	249181	21.562	ug/l #	94
15) Acrylonitrile	5.17	53	236912	108.284	ug/l	98
16) Acetone	3.95	43	195670	102.057	ug/l	92
17) Carbon Disulfide	4.19	76	442041	20.666	ug/l	98
18) Methyl Acetate	4.48	43	112325	22.266	ug/l #	89
19) Methyl tert-butyl Ether	5.23	73	380576	21.172	ug/l	98
20) Methylene Chloride	4.72	84	177256	17.066	ug/l #	82
21) trans-1,2-Dichloroethene	5.22	96	153579	20.204	ug/l	88
22) Diisopropyl ether	6.13	45	516636	21.743	ug/l	94
23) Vinyl Acetate	6.07	43	1709766	110.747	ug/l	94
24) 1,1-Dichloroethane	6.02	63	267936	20.736	ug/l	97
25) 2-Butanone	6.99	43	314282	102.281	ug/l	100
26) 2,2-Dichloropropane	6.99	77	218088	19.534	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	172692	20.351	ug/l	100
28) Bromochloromethane	7.33	49	128281	19.773	ug/l	98
29) Tetrahydrofuran	7.35	42	211962	105.172	ug/l	99
30) Chloroform	7.51	83	257402	20.228	ug/l	96
31) Cyclohexane	7.78	56	271425	19.607	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	215831	19.949	ug/l	98
36) 1,1-Dichloropropene	7.92	75	209206	19.867	ug/l	99
37) Ethyl Acetate	7.08	43	138010	20.580	ug/l	98
38) Carbon Tetrachloride	7.90	117	189404	19.729	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	269066	19.758	ug/l	98
40) Benzene	8.16	78	633091	20.164	ug/l	99
41) Methacrylonitrile	7.33	41	91247m	24.621	ug/l	
42) 1,2-Dichloroethane	8.24	62	167304	19.935	ug/l	100
43) Isopropyl Acetate	8.28	43	245426	20.252	ug/l	99
44) Trichloroethene	8.94	130	168241	20.019	ug/l	97
45) 1,2-Dichloropropane	9.22	63	165460	20.443	ug/l	99
46) Dibromomethane	9.30	93	84883	20.017	ug/l	97
47) Bromodichloromethane	9.50	83	199523	20.140	ug/l	98
48) Methyl methacrylate	9.29	41	118646	21.149	ug/l	94
49) 1,4-Dioxane	9.30	88	24917	425.740	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	676821	102.751	ug/l	99
52) Toluene	10.24	92	381383	20.011	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	216741	20.367	ug/l	97
54) cis-1,3-Dichloropropene	9.92	75	257757	20.494	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	125731	20.412	ug/l	99
56) Ethyl methacrylate	10.51	69	172036	20.651	ug/l	99
57) 1,3-Dichloropropane	10.79	76	222148	20.552	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	457975	101.801	ug/l	99
59) 2-Hexanone	10.83	43	469433	104.606	ug/l	99
60) Dibromochloromethane	10.98	129	141130	20.277	ug/l	99
61) 1,2-Dibromoethane	11.08	107	116254	20.135	ug/l	99
64) Tetrachloroethene	10.72	164	163346	19.767	ug/l	96
65) Chlorobenzene	11.51	112	409421	19.944	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	146014	20.446	ug/l	98
67) Ethyl Benzene	11.59	91	731696	19.929	ug/l	98
68) m/p-Xylenes	11.70	106	551752	39.830	ug/l	100
69) o-Xylene	12.03	106	260757	19.952	ug/l	99
70) Styrene	12.04	104	440983	20.433	ug/l	99
71) Bromoform	12.20	173	88023	20.654	ug/l #	99
73) Isopropylbenzene	12.33	105	700837	19.749	ug/l	99
74) N-amyl acetate	12.14	43	224949	20.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	146666	20.334	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	119888m	22.851	ug/l	
77) Bromobenzene	12.61	156	163945	19.660	ug/l	99
78) n-propylbenzene	12.67	91	853487	19.707	ug/l	100
79) 2-Chlorotoluene	12.75	91	466908	19.606	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	581955	19.836	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	54018	20.205	ug/l	97
82) 4-Chlorotoluene	12.85	91	499853	19.710	ug/l	100
83) tert-Butylbenzene	13.07	119	488928	19.450	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	588015	19.885	ug/l	99
85) sec-Butylbenzene	13.25	105	713493	19.618	ug/l	100
86) p-Isopropyltoluene	13.36	119	642026	19.856	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	320707	19.841	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	316762	19.471	ug/l	99
89) n-Butylbenzene	13.69	91	633794	19.501	ug/l	99
90) Hexachloroethane	13.96	117	115802	19.705	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	293910	19.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	23488	19.794	ug/l	97

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QLast Update : Sat Sep 05 00:29:30 2020
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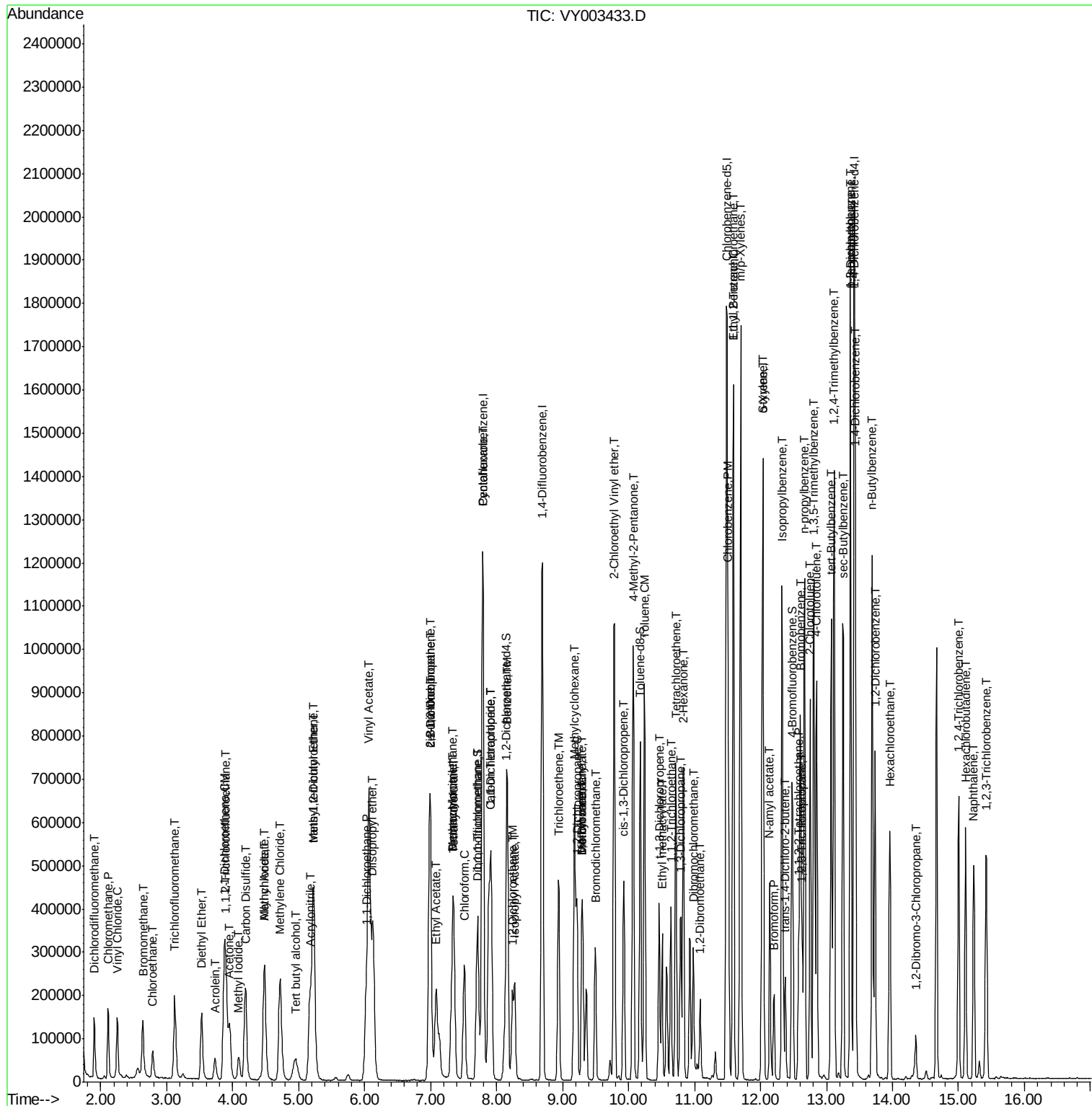
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	194964	19.591	ug/l	100
94) Hexachlorobutadiene	15.11	225	102730	19.284	ug/l	99
95) Naphthalene	15.23	128	417088	20.103	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	173562	19.634	ug/l	99

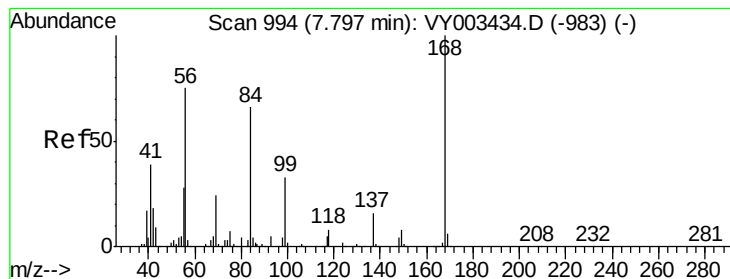
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

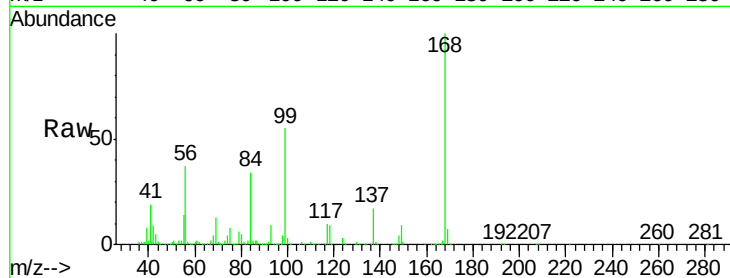
VSTDIC020

Tot Ion:168 Resp: 639422

Ion Ratio Lower Upper

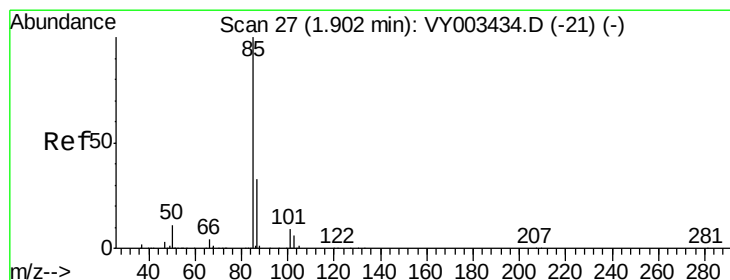
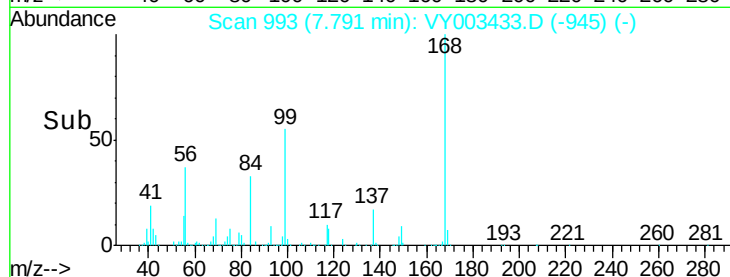
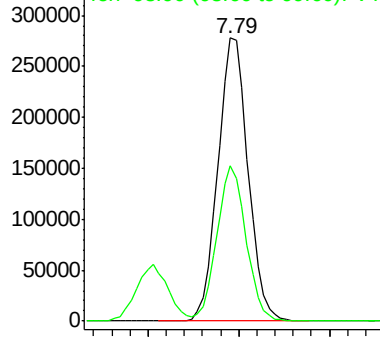
168 100

99 54.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#2

Dichlorodifluoromethane

Concen: 21.552 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY003433.D

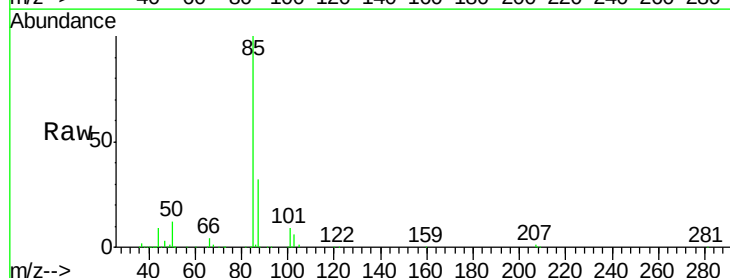
Acq: 04 Sep 2020 15:42

Tgt Ion: 85 Resp: 115897

Ion Ratio Lower Upper

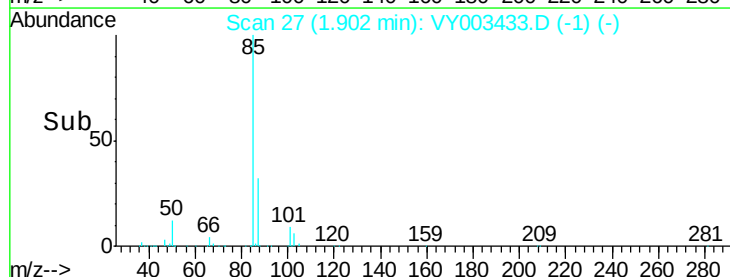
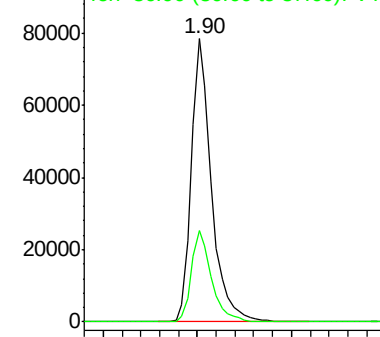
85 100

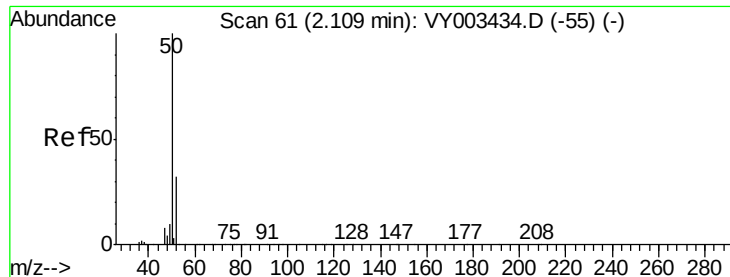
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0





#3

Chloromethane

Concen: 19.340 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

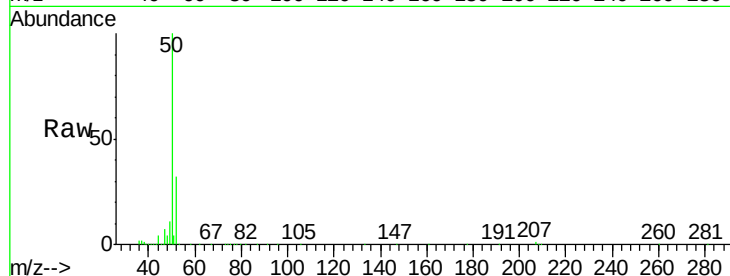
VSTDIC020

Tot Ion: 50 Resp: 149183

Ion Ratio Lower Upper

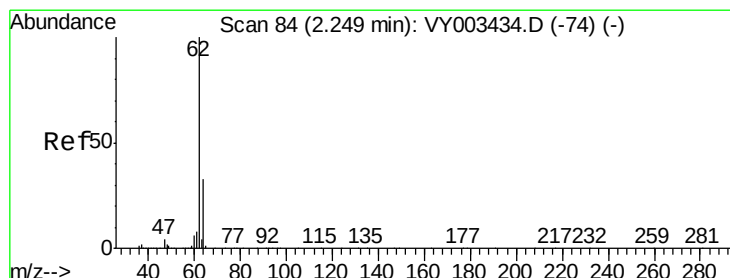
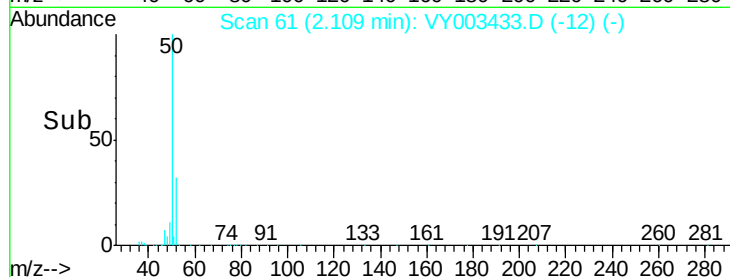
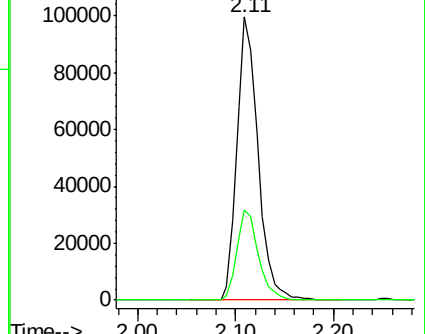
50 100

52 31.9 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: 21.008 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY003433.D

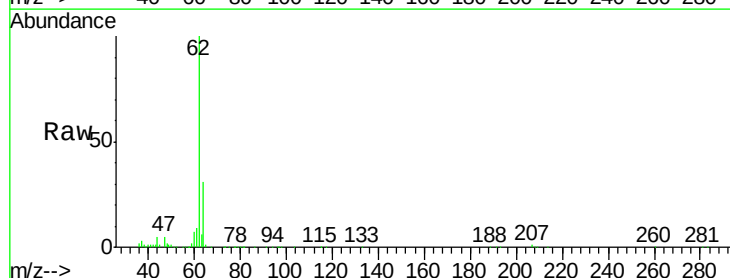
Acq: 04 Sep 2020 15:42

Tgt Ion: 62 Resp: 134736

Ion Ratio Lower Upper

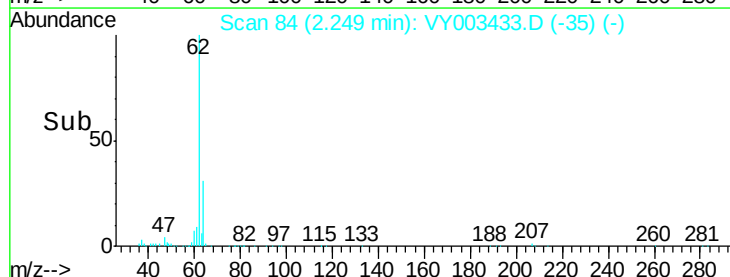
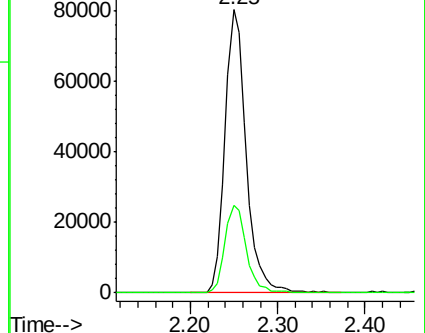
62 100

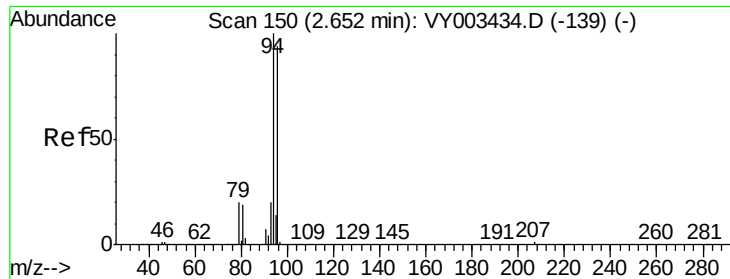
64 31.1 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.772 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.02 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

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ClientSampleId :

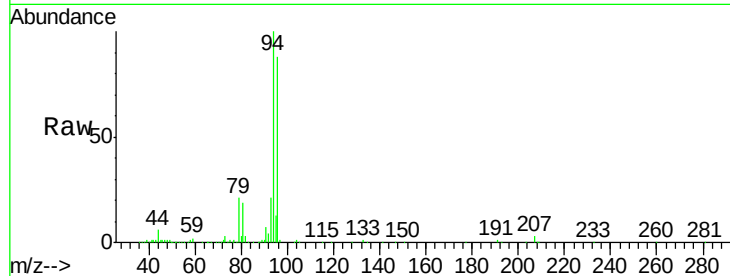
VSTDIC020

Tot Ion: 94 Resp: 92986

Ion Ratio Lower Upper

94 100

96 87.8 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

40000

30000

20000

10000

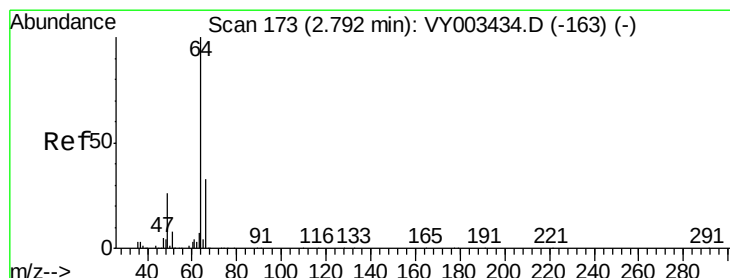
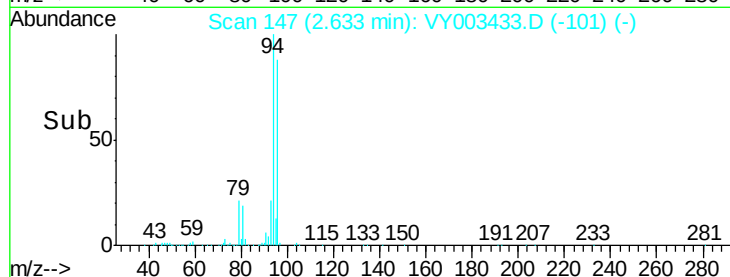
0

Time-->

2.60

2.70

2.80



#6

Chloroethane

Concen: 21.373 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY003433.D

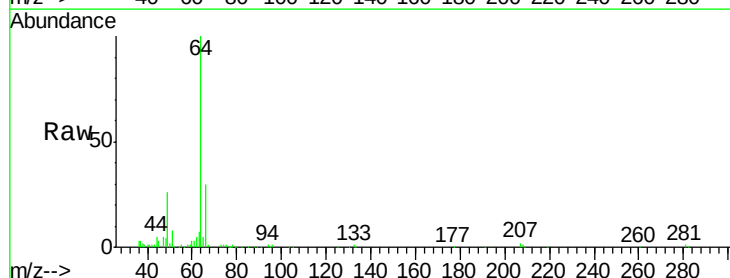
Acq: 04 Sep 2020 15:42

Tgt Ion: 64 Resp: 65987

Ion Ratio Lower Upper

64 100

66 30.5 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

30000

20000

10000

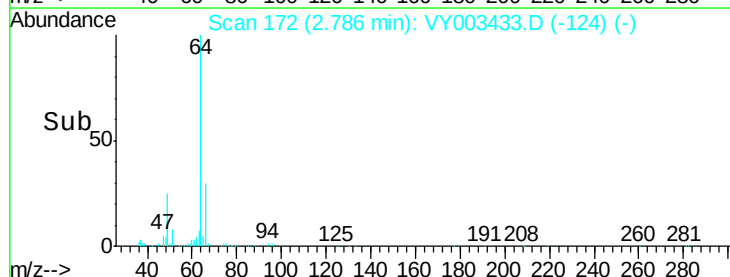
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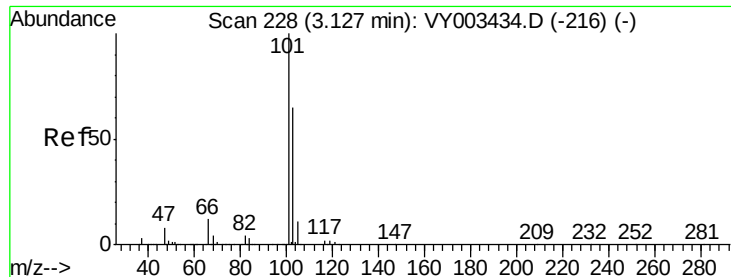
Time-->

2.70

2.80

2.90



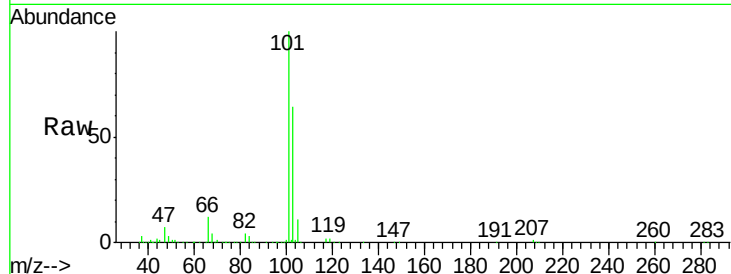


#7

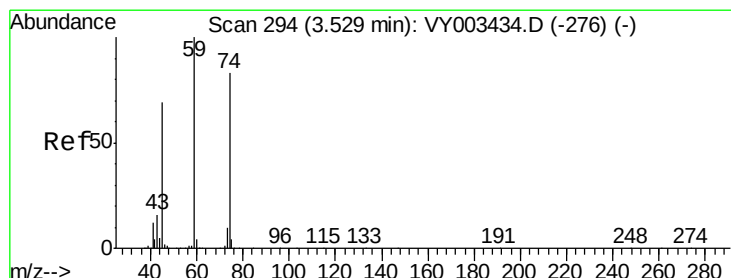
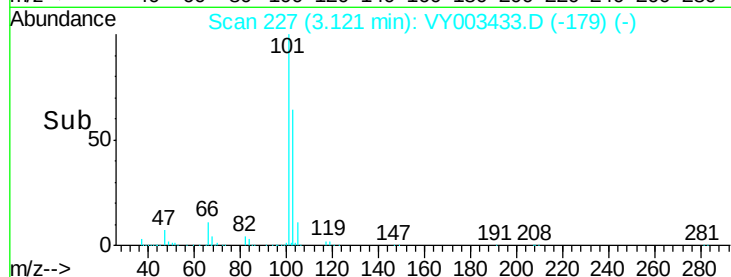
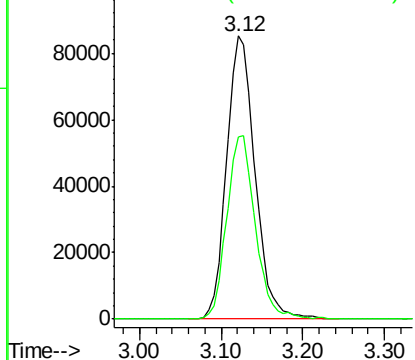
Trichlorofluoromethane
Concen: 20.370 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
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Tot Ion:101 Resp: 204277
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5



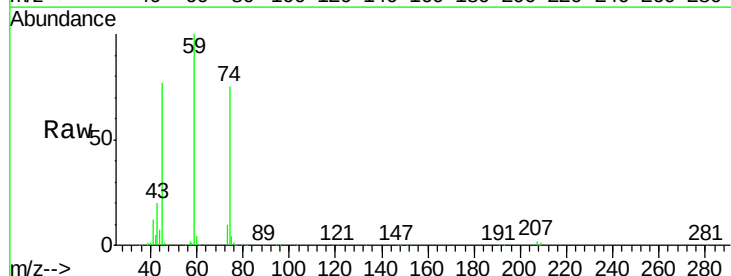
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



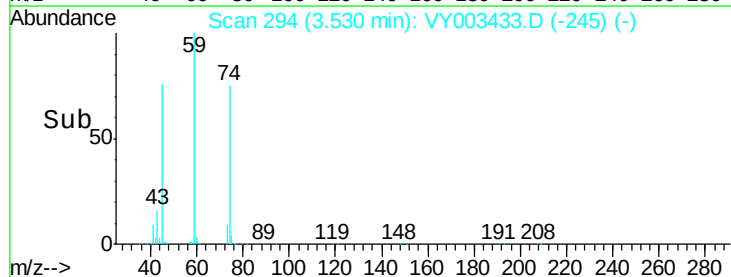
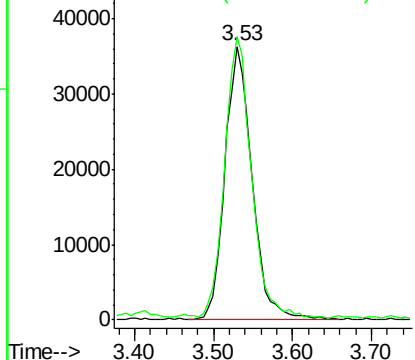
#8

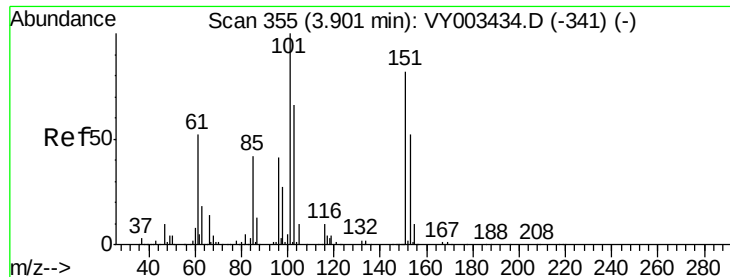
Diethyl Ether
Concen: 20.842 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 74 Resp: 86266
Ion Ratio Lower Upper
74 100
45 102.1 40.6 122.0



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.623 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

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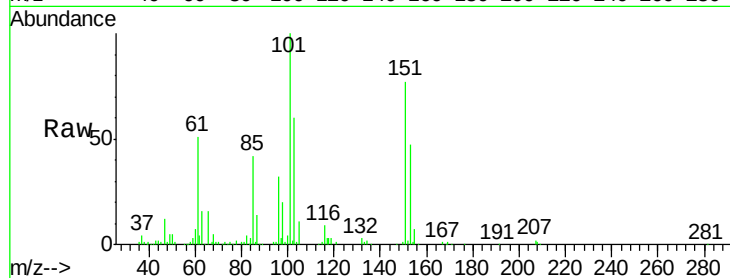
Tot Ion:101 Resp: 134283

Ion Ratio Lower Upper

101 100

85 43.7 33.1 49.7

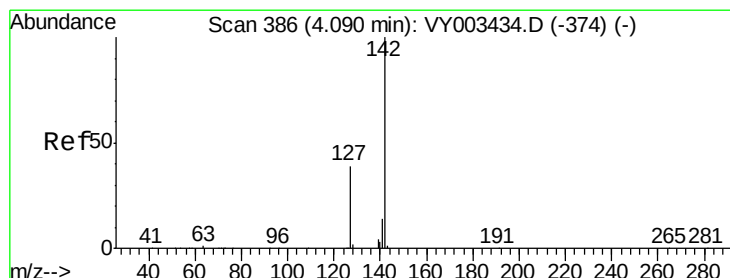
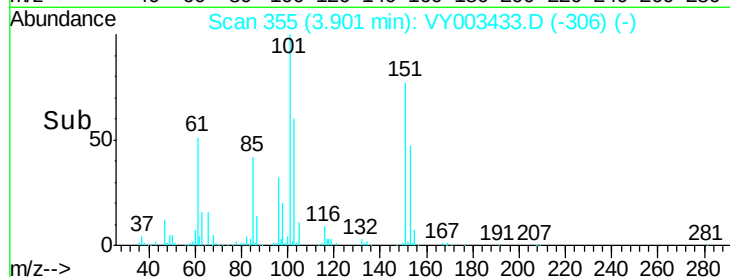
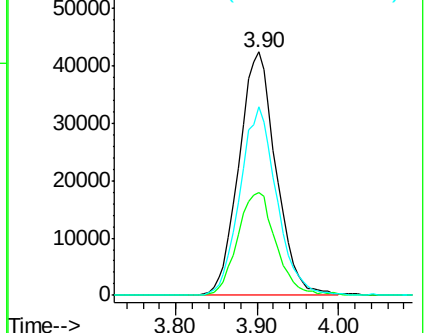
151 76.8 65.2 97.8



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: 20.670 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

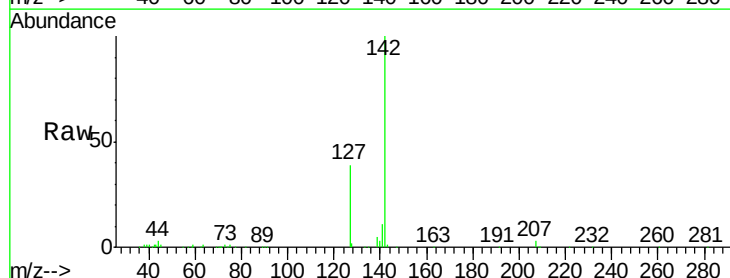
Tgt Ion:142 Resp: 87831

Ion Ratio Lower Upper

142 100

127 40.1 30.5 45.7

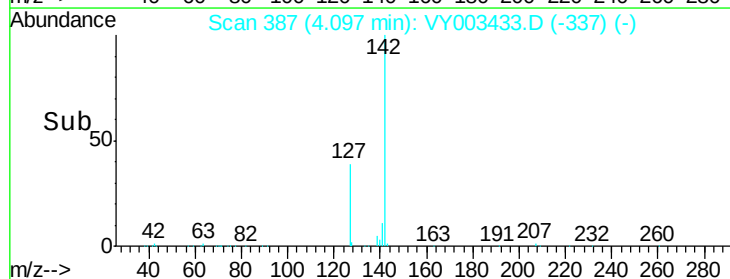
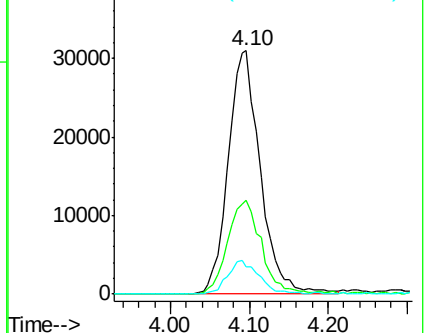
141 13.7 11.4 17.2

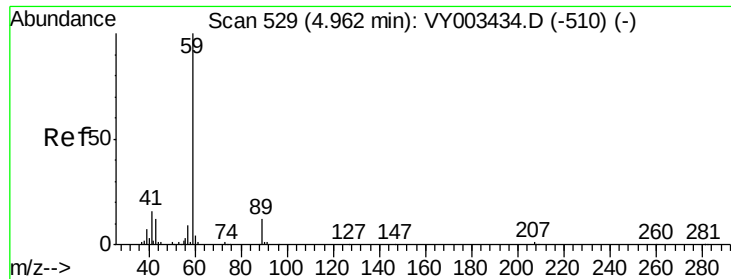


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.590 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

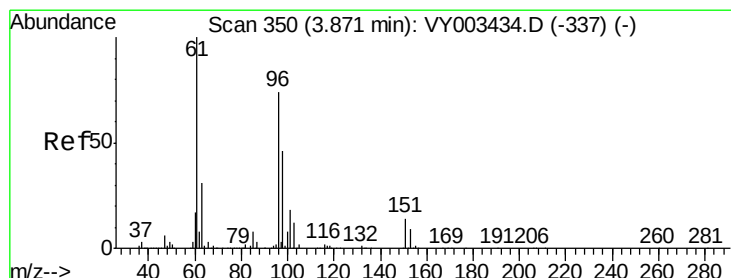
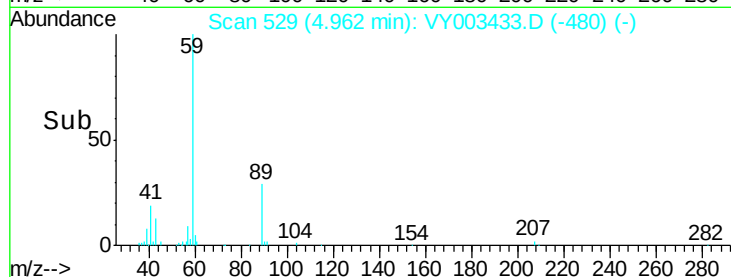
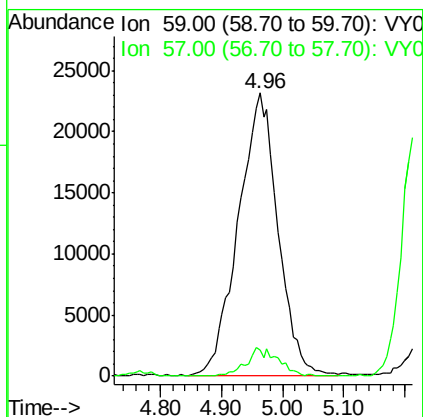
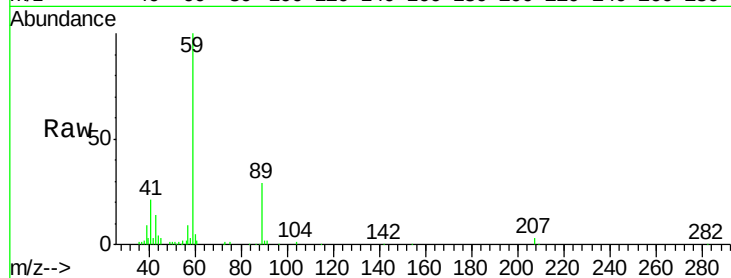
VSTDIC020

Tot Ion: 59 Resp: 104642

Ion Ratio Lower Upper

59 100

57 4.2 7.4 11.0#



#12

1,1-Dichloroethene

Concen: 20.494 ug/l

RT: 3.87 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

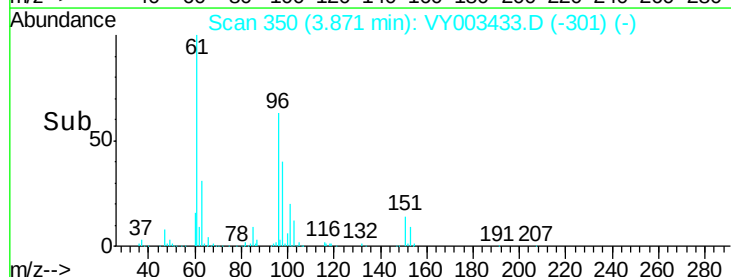
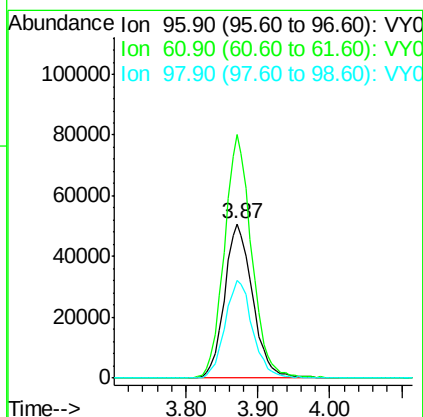
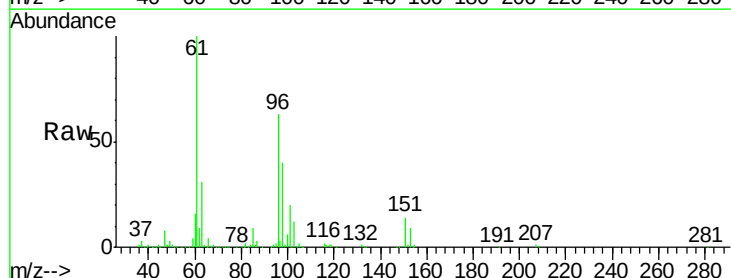
Tgt Ion: 96 Resp: 136406

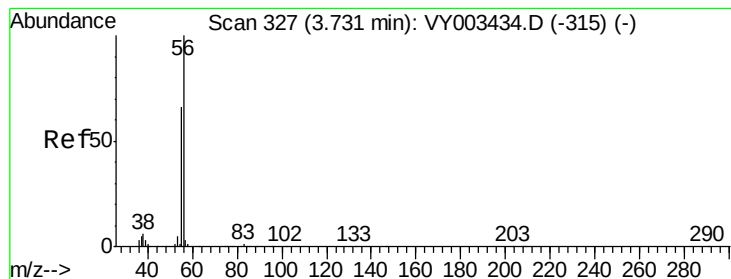
Ion Ratio Lower Upper

96 100

61 158.3 108.6 163.0

98 63.2 50.5 75.7





#13

Acrolein

Concen: 113.741 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

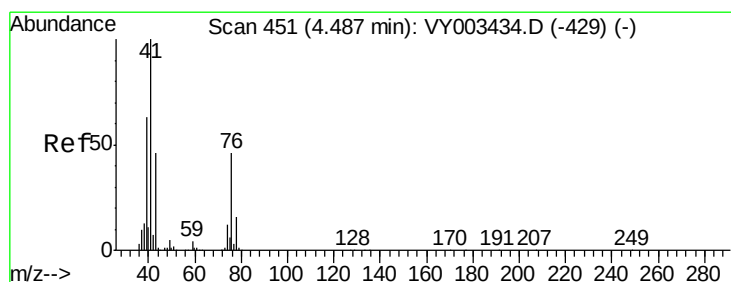
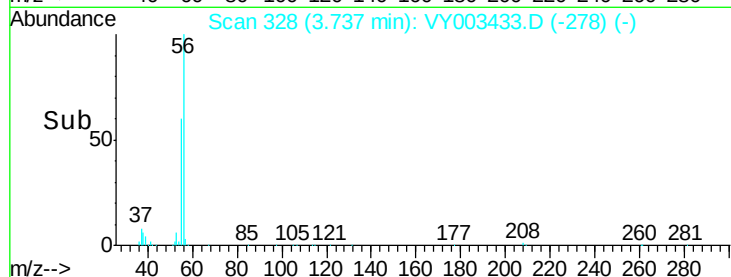
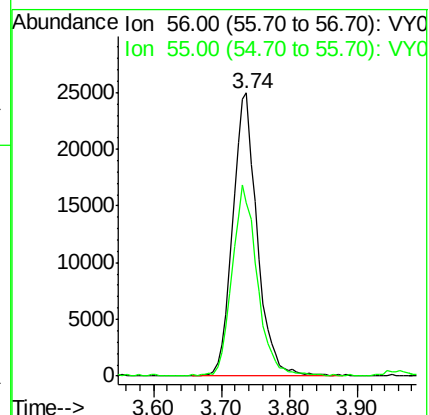
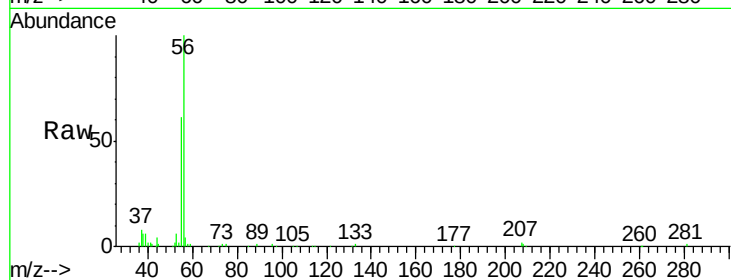
VSTDIC020

Tot Ion: 56 Resp: 62425

Ion Ratio Lower Upper

56 100

55 69.7 55.2 82.8



#14

Allyl chloride

Concen: 21.562 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

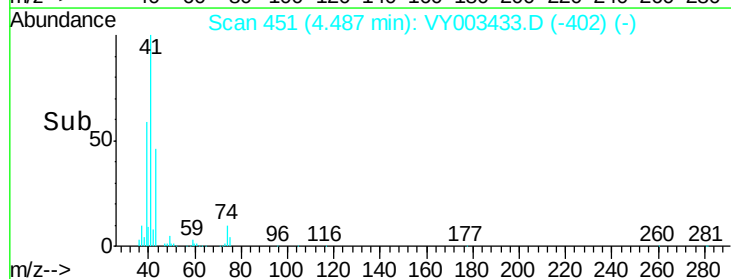
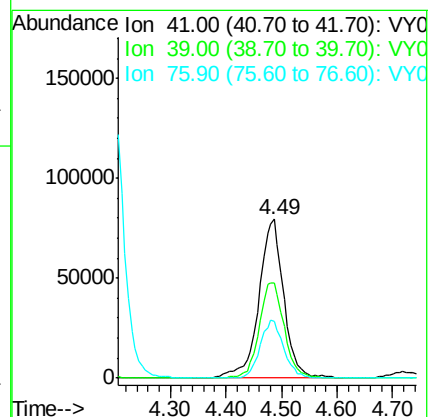
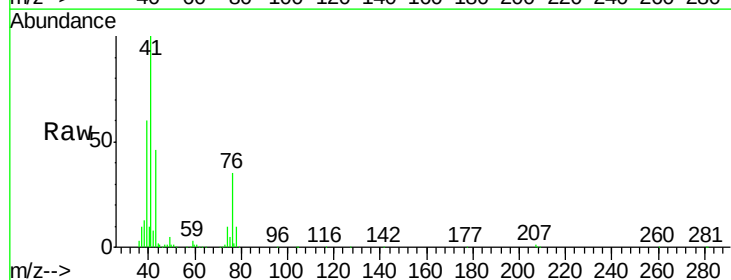
Tgt Ion: 41 Resp: 249181

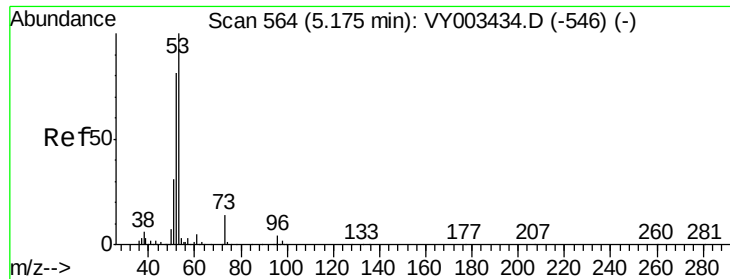
Ion Ratio Lower Upper

41 100

39 60.1 48.2 72.4

76 34.5 35.1 52.7#





#15

Acrylonitrile

Concen: 108.284 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

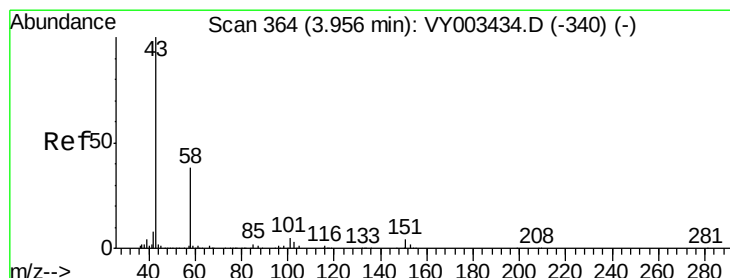
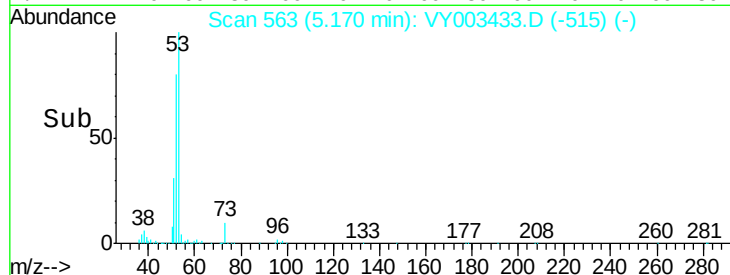
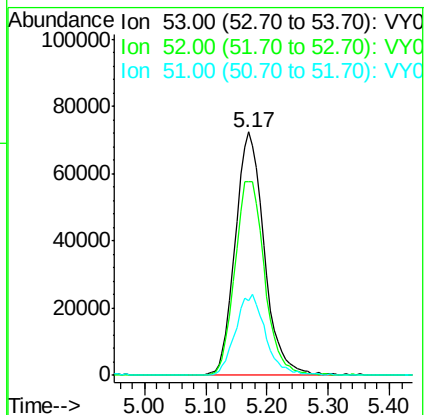
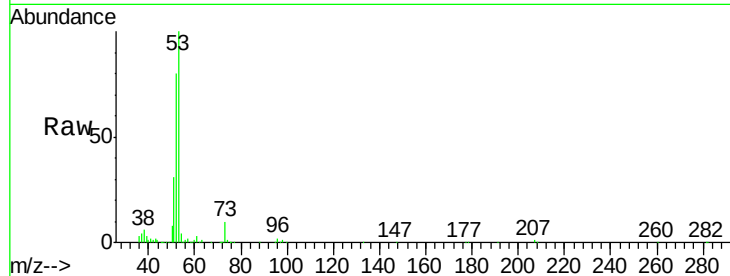
Tot Ion: 53 Resp: 236912

Ion Ratio Lower Upper

53 100

52 82.0 64.5 96.7

51 34.5 26.6 39.8



#16

Acetone

Concen: 102.057 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY003433.D

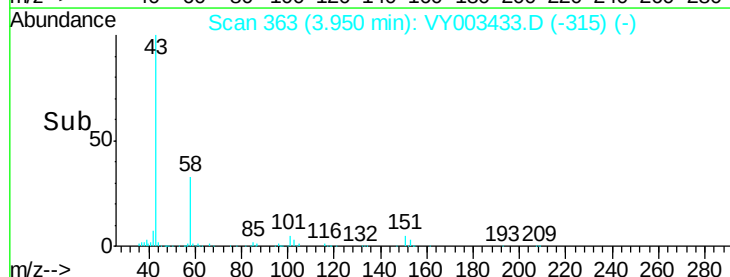
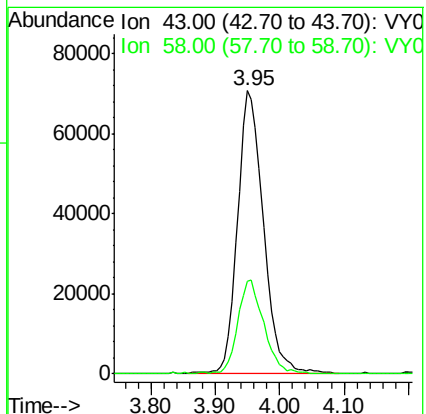
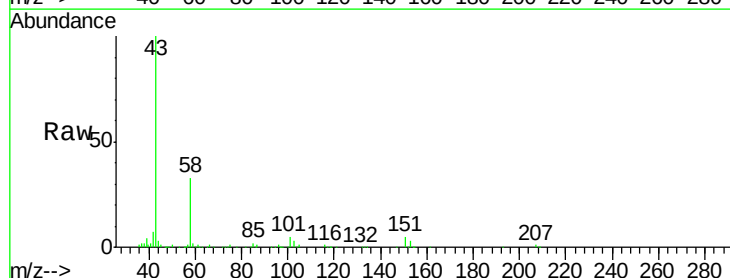
Acq: 04 Sep 2020 15:42

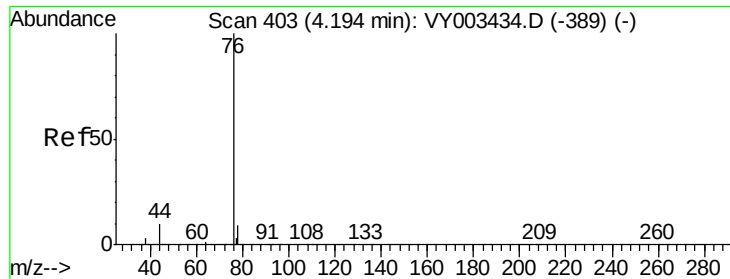
Tgt Ion: 43 Resp: 195670

Ion Ratio Lower Upper

43 100

58 32.8 29.9 44.9

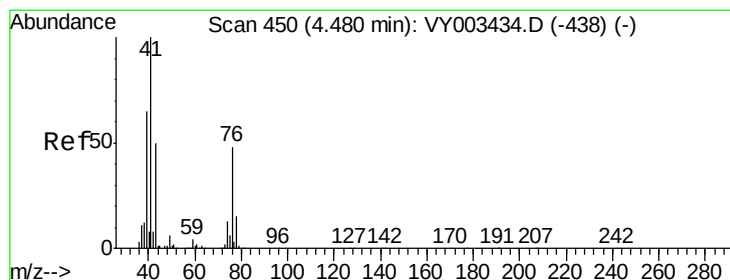
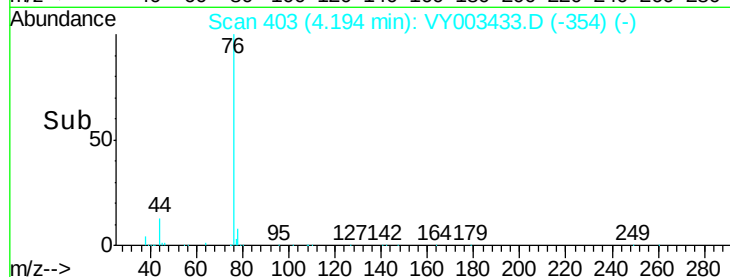
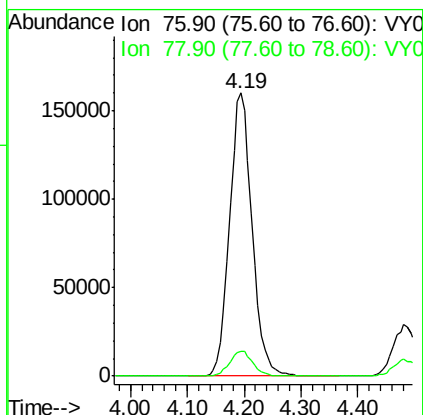
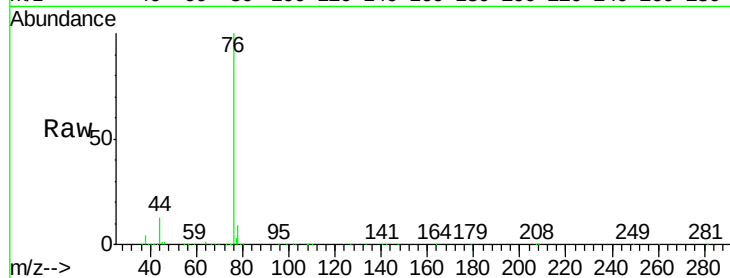




#17
Carbon Disulfide
Concen: 20.666 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

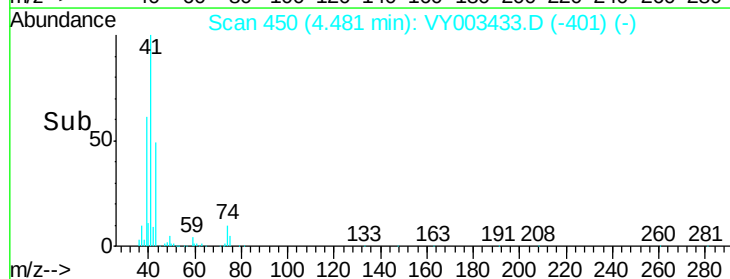
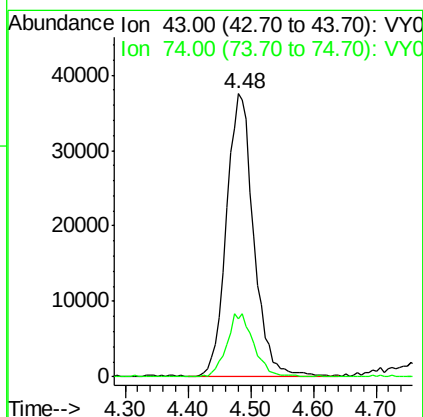
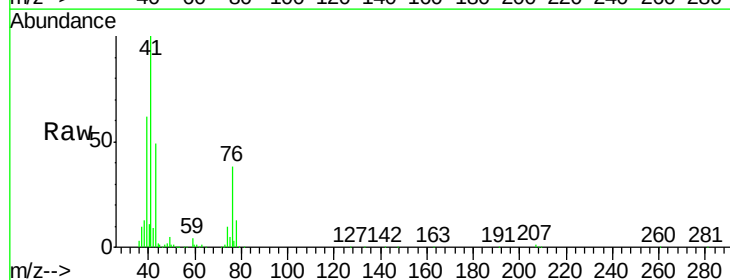
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

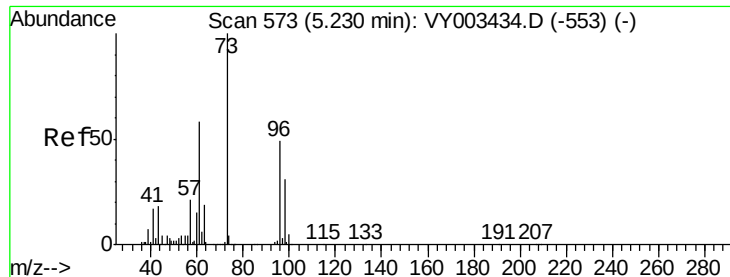
Tot Ion: 76 Resp: 442041
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



#18
Methyl Acetate
Concen: 22.266 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 43 Resp: 112325
Ion Ratio Lower Upper
43 100
74 22.4 22.7 34.1#

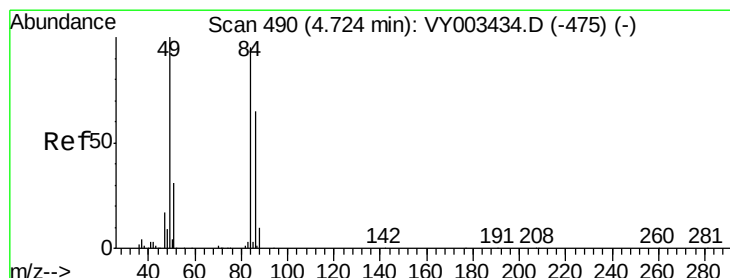
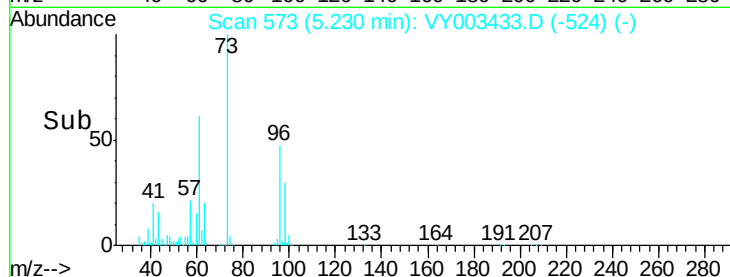
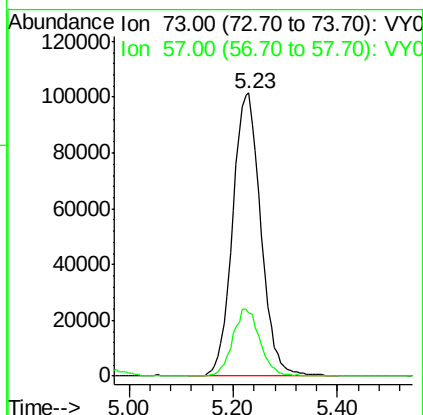
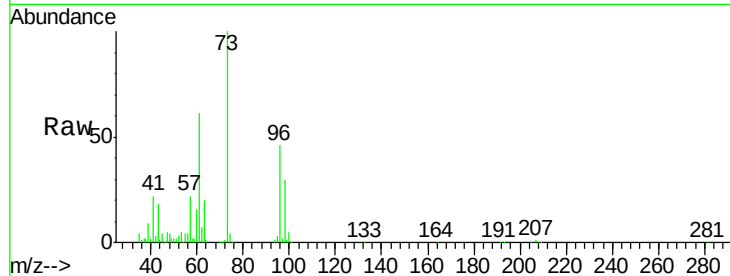




#19
Methyl tert-butyl Ether
Concen: 21.172 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

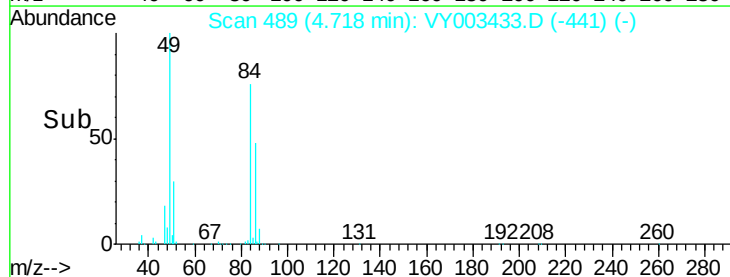
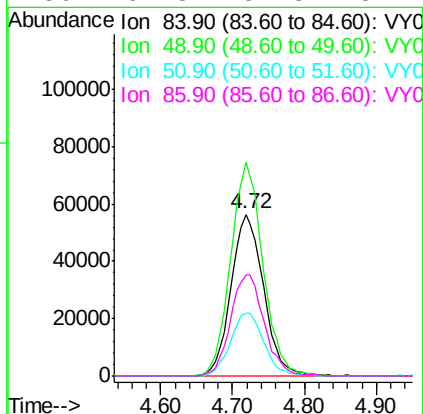
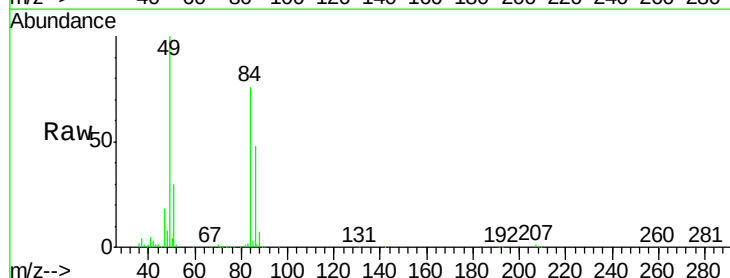
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

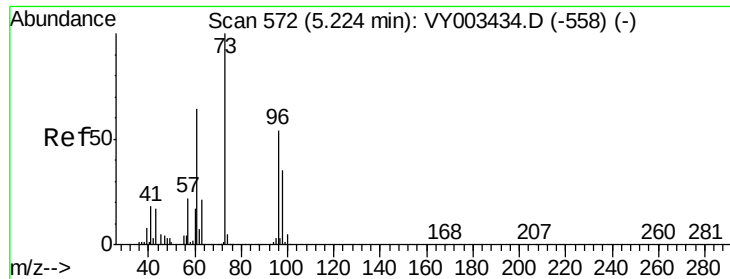
Tot Ion: 73 Resp: 380576
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.6



#20
Methylene Chloride
Concen: 17.066 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 84 Resp: 177256
Ion Ratio Lower Upper
84 100
49 132.0 83.9 125.9#
51 39.1 26.3 39.5
86 62.8 54.8 82.2





#21

trans-1,2-Dichloroethene

Concen: 20.204 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

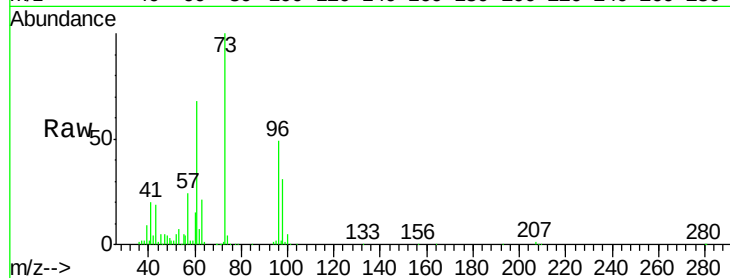
Tot Ion: 96 Resp: 153579

Ion Ratio Lower Upper

96 100

61 138.3 94.8 142.2

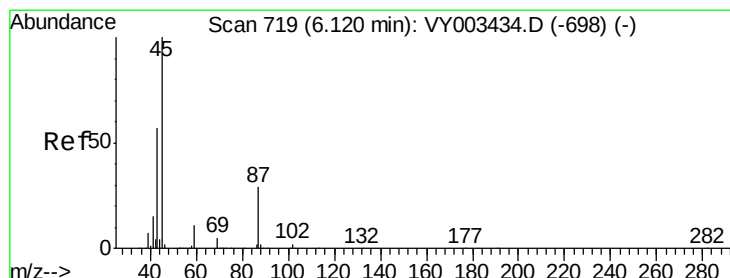
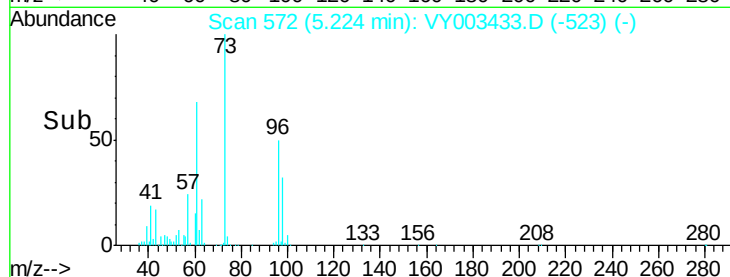
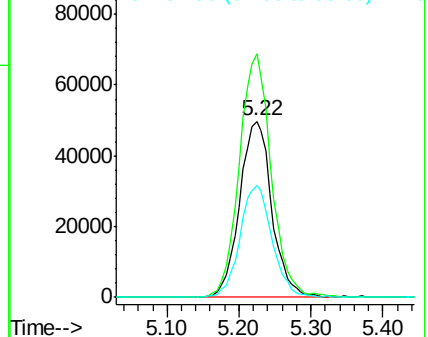
98 63.6 51.3 76.9



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: 21.743 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Tgt Ion: 45 Resp: 516636

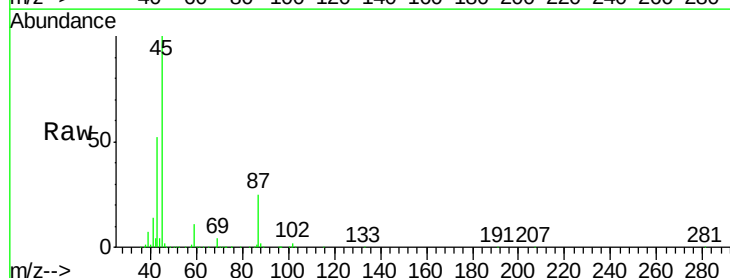
Ion Ratio Lower Upper

45 100

43 52.0 45.2 67.8

87 24.5 23.4 35.0

59 10.7 9.2 13.8

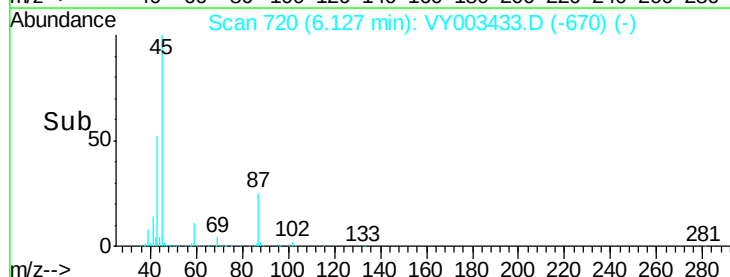
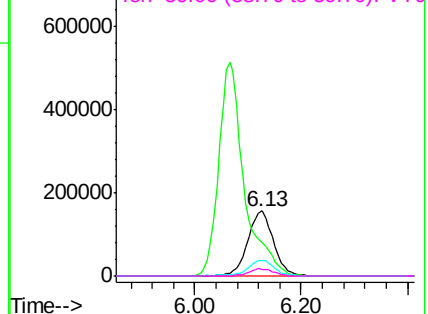


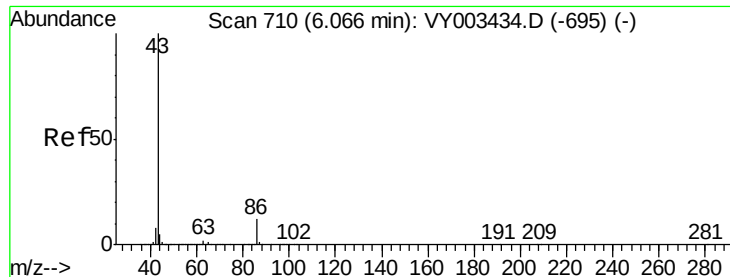
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 110.747 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

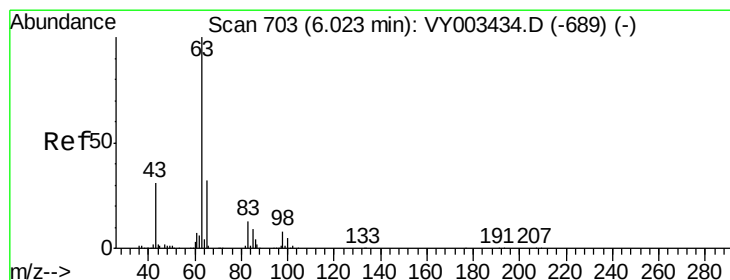
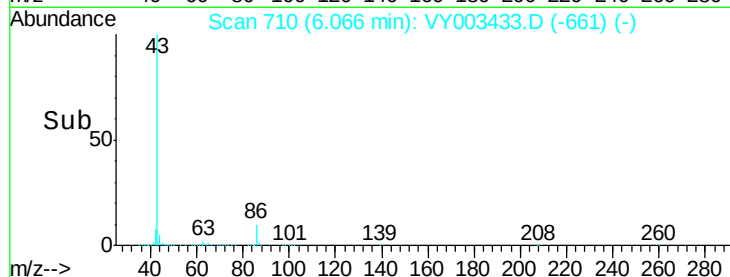
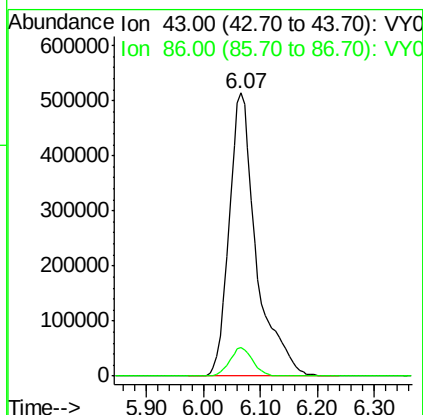
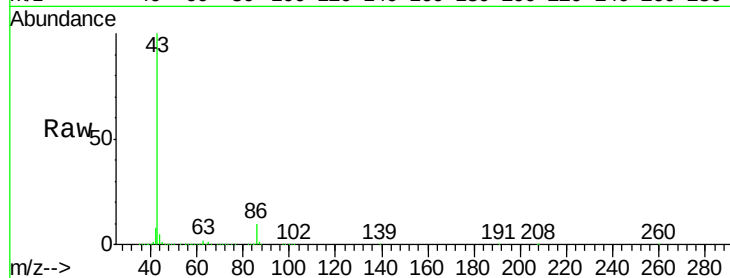
VSTDIC020

Tot Ion: 43 Resp: 1709766

Ion Ratio Lower Upper

43 100

86 10.0 9.9 14.9



#24

1,1-Dichloroethane

Concen: 20.736 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

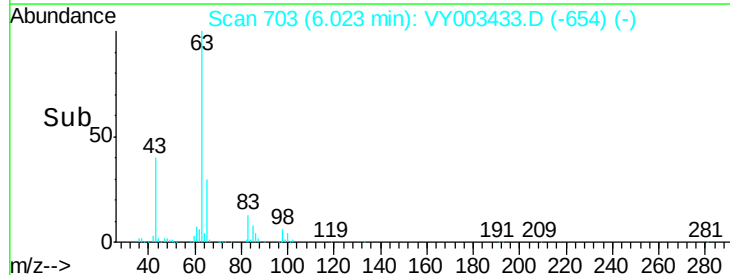
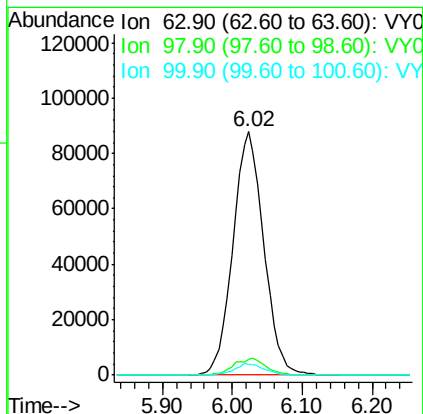
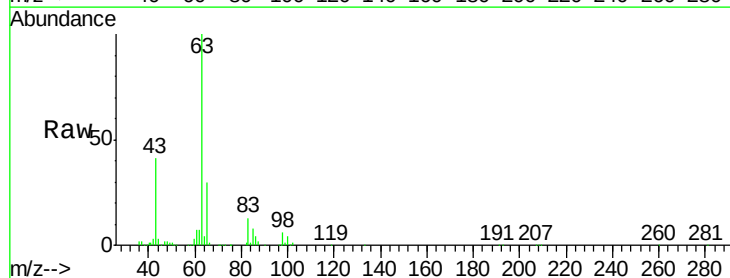
Tgt Ion: 63 Resp: 267936

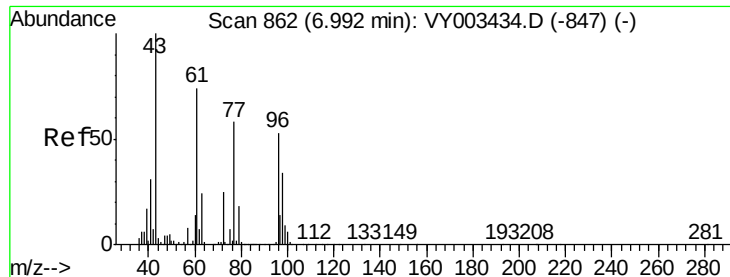
Ion Ratio Lower Upper

63 100

98 6.4 3.8 11.2

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 102.281 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

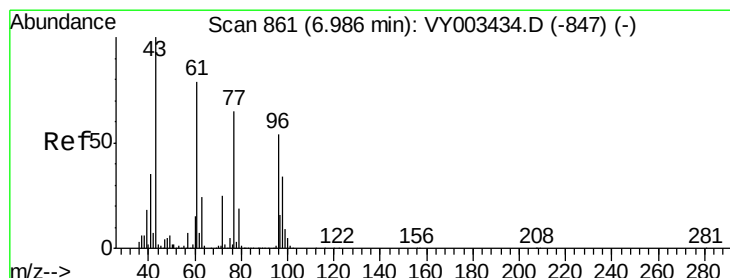
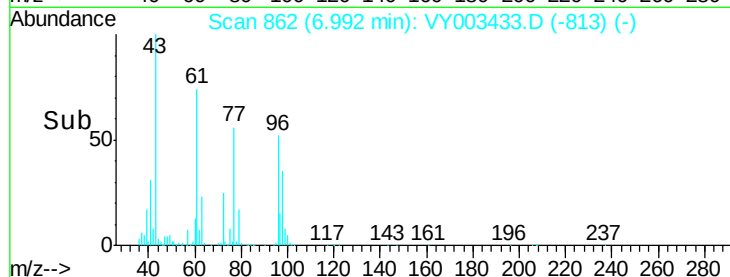
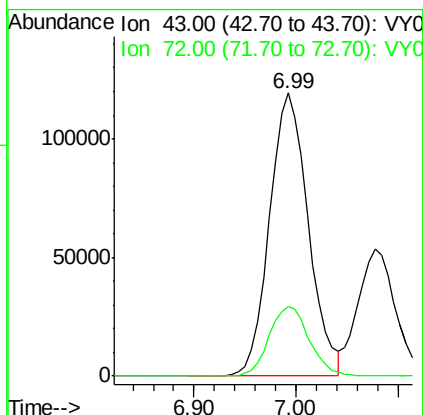
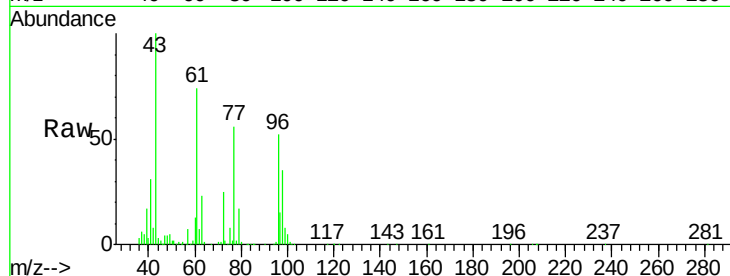
VSTDIC020

Tot Ion: 43 Resp: 314282

Ion Ratio Lower Upper

43 100

72 24.7 19.8 29.6



#26

2,2-Dichloropropane

Concen: 19.534 ug/l

RT: 6.99 min Scan# 861

Delta R.T. 0.00 min

Lab File: VY003433.D

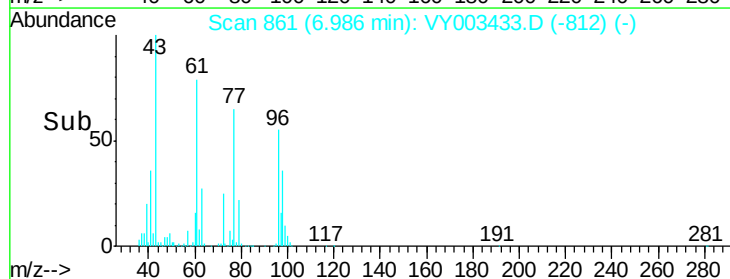
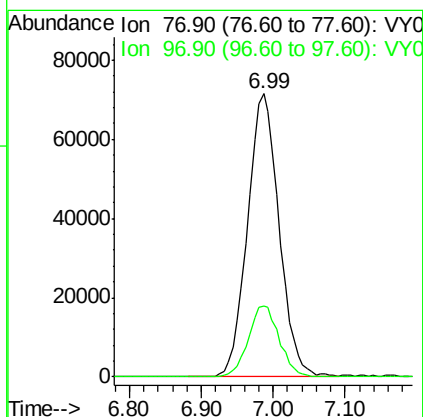
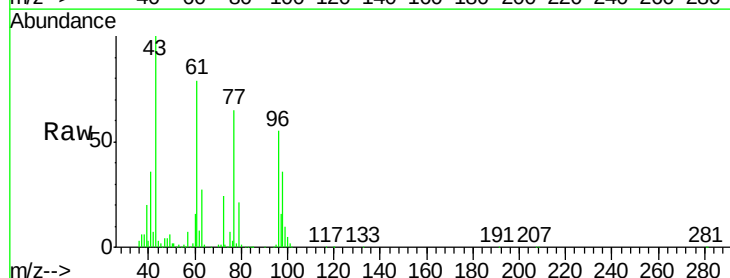
Acq: 04 Sep 2020 15:42

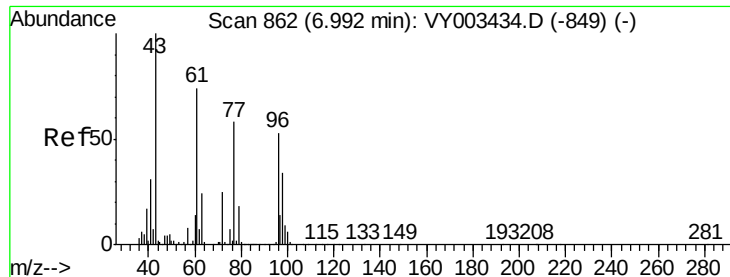
Tgt Ion: 77 Resp: 218088

Ion Ratio Lower Upper

77 100

97 24.5 12.1 36.3



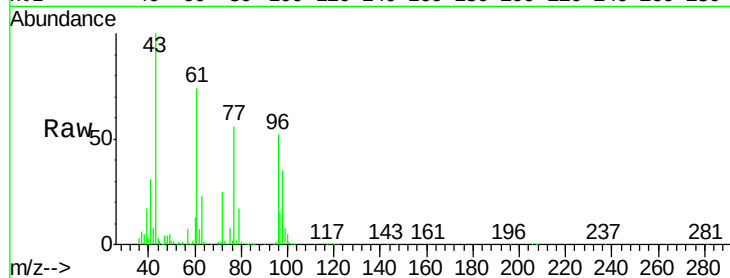


#27

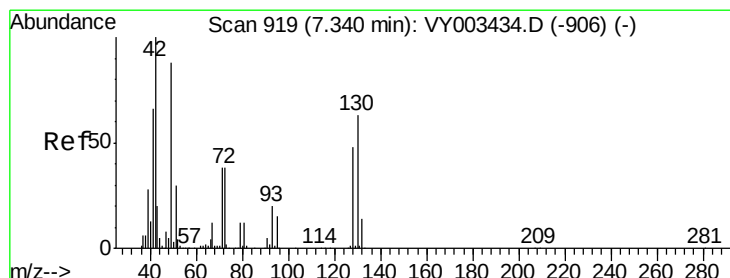
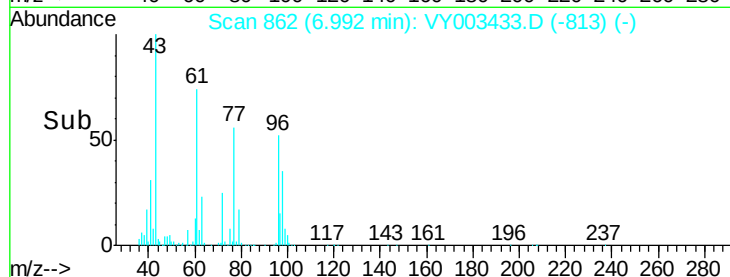
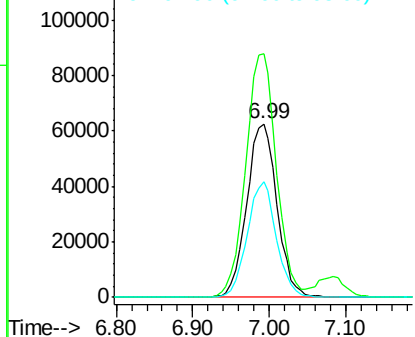
cis-1,2-Dichloroethene
Concen: 20.351 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	285.0
98	63.9	0.0	128.6



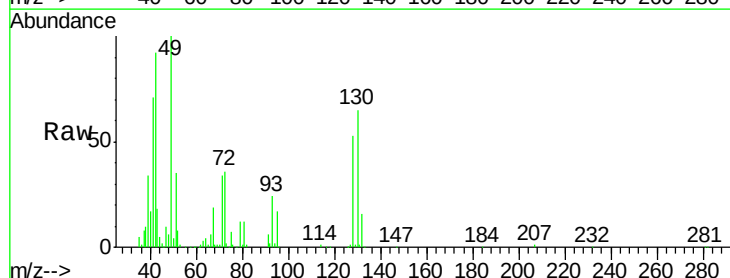
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



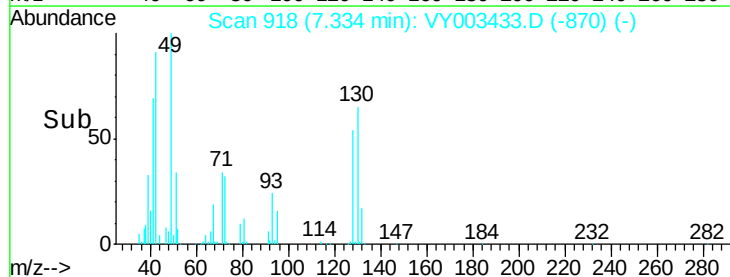
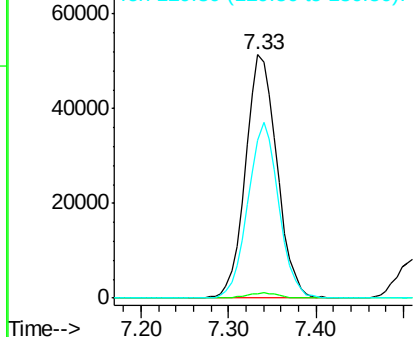
#28

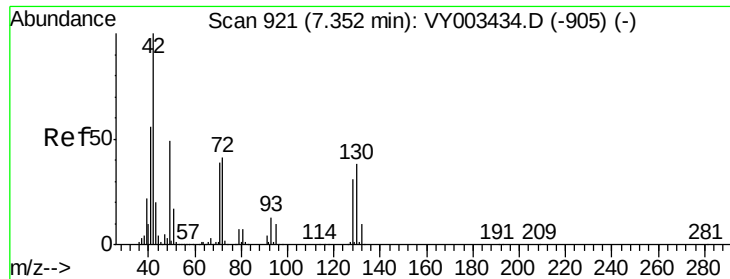
Bromochloromethane
Concen: 19.773 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	70.7	57.8	86.8



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

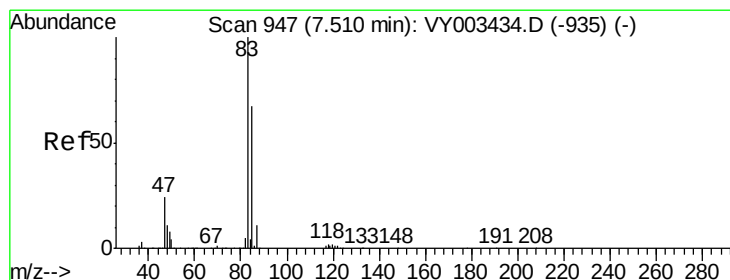
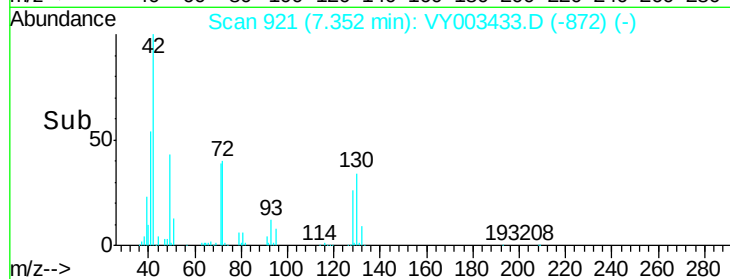
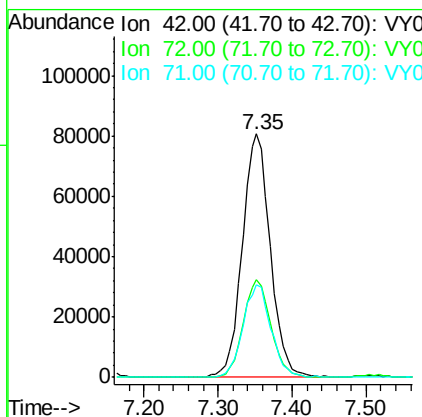
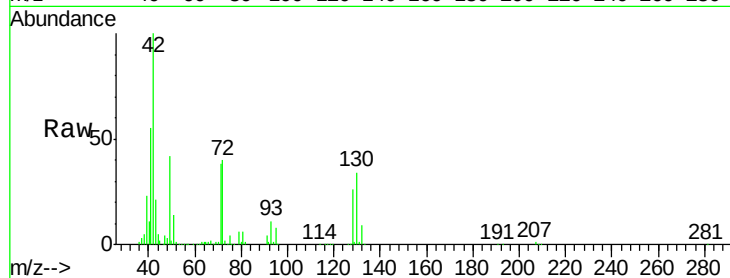




#29
Tetrahydrofuran
Concen: 105.172 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

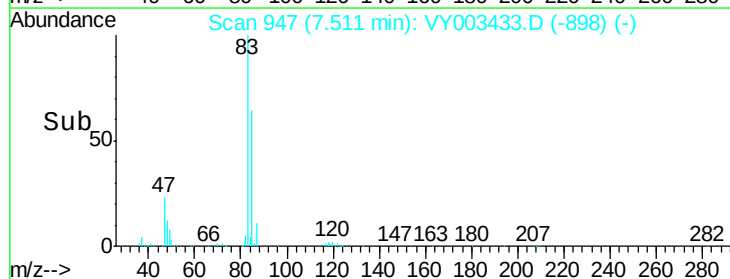
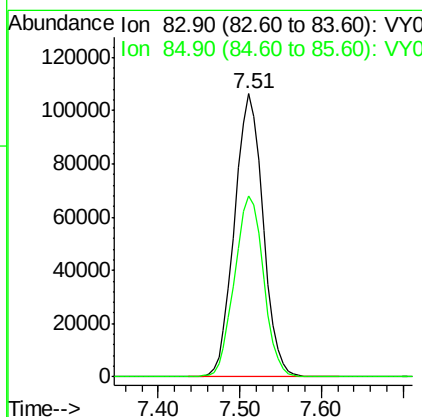
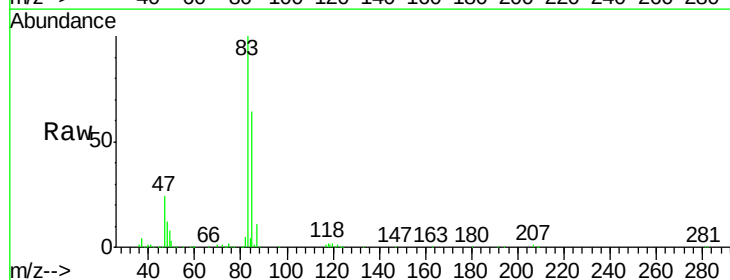
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

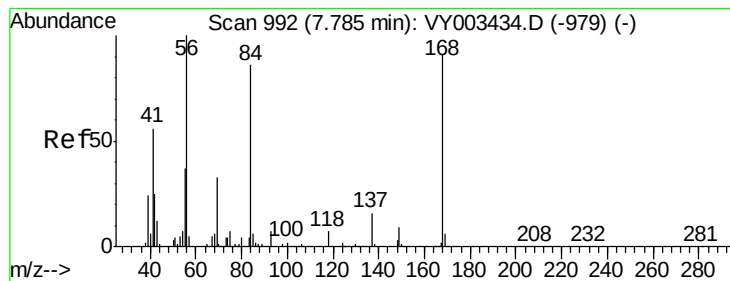
Tot Ion: 42 Resp: 211962
Ion Ratio Lower Upper
42 100
72 39.7 32.4 48.6
71 38.4 30.7 46.1



#30
Chloroform
Concen: 20.228 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 83 Resp: 257402
Ion Ratio Lower Upper
83 100
85 64.1 53.5 80.3





#31

Cyclohexane

Concen: 19.607 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

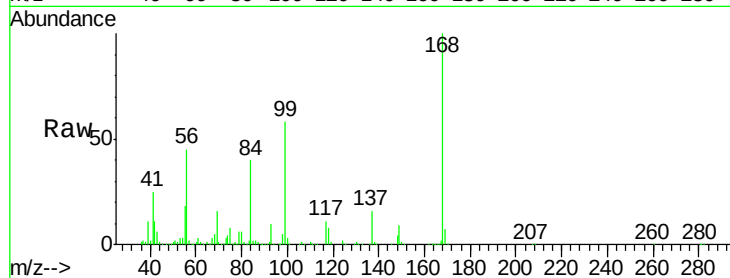
Tot Ion: 56 Resp: 271425

Ion Ratio Lower Upper

56 100

69 35.5 26.0 39.0

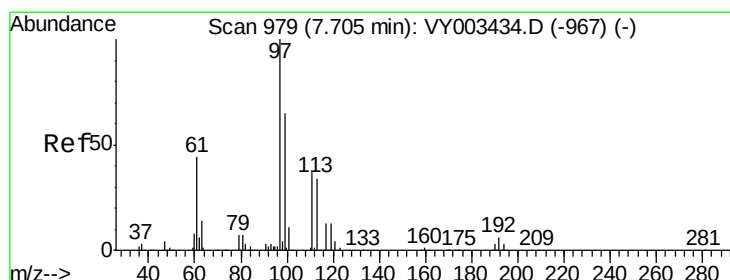
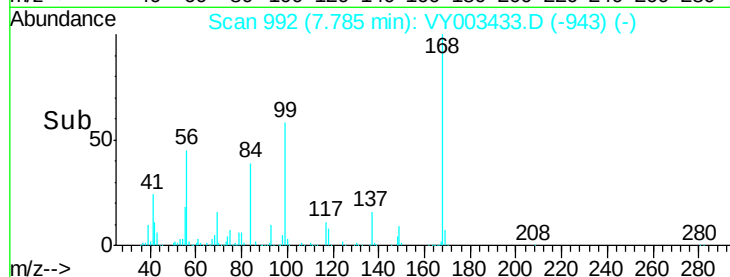
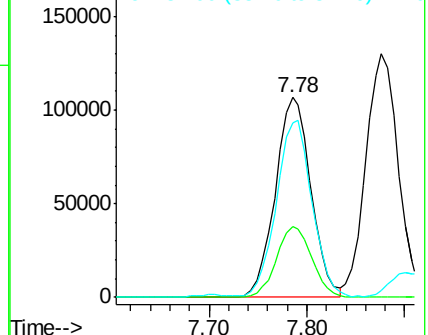
84 86.8 68.7 103.1



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: 19.949 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

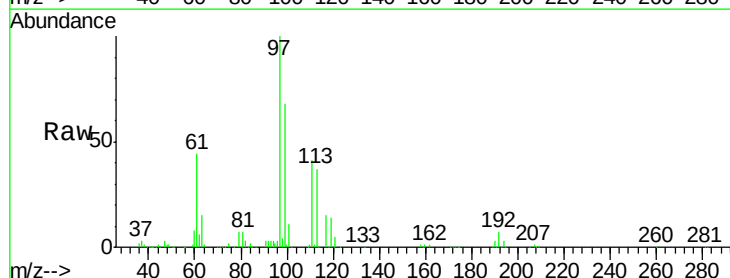
Tgt Ion: 97 Resp: 215831

Ion Ratio Lower Upper

97 100

99 63.2 51.6 77.4

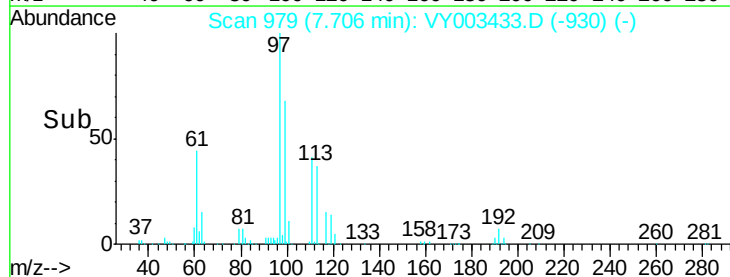
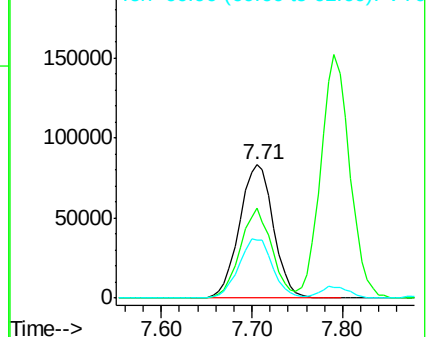
61 44.2 34.3 51.5

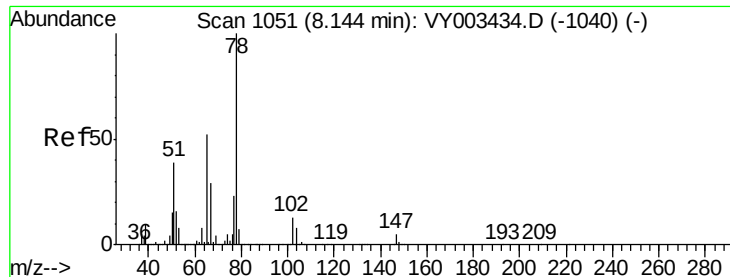


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

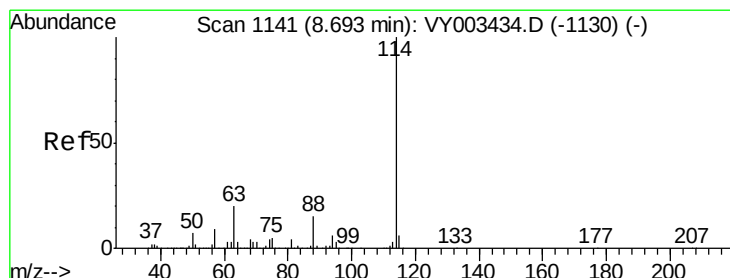
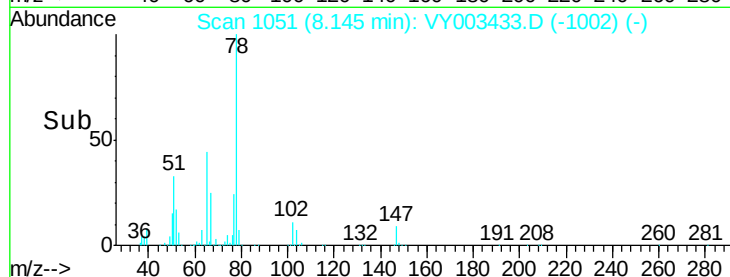
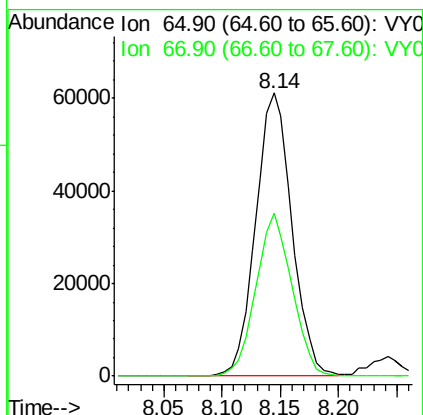
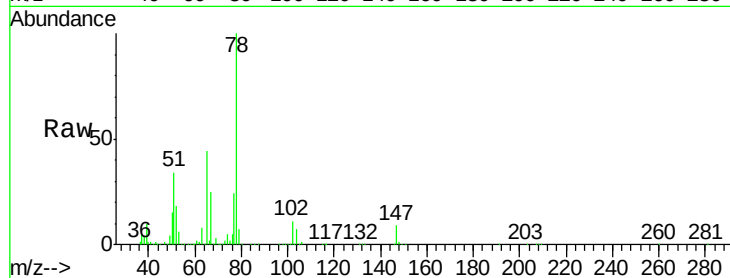




#33
 1,2-Dichloroethane-d4
 Concen: 19.973 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

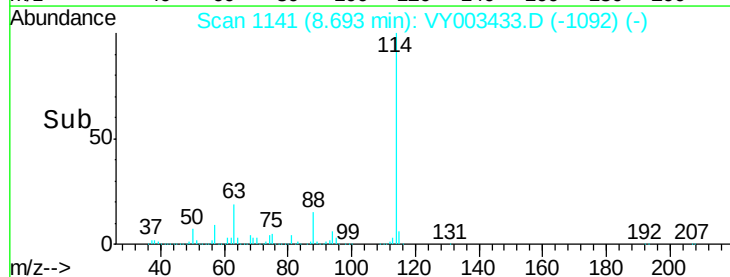
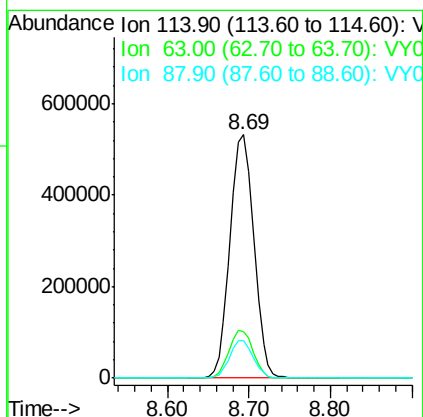
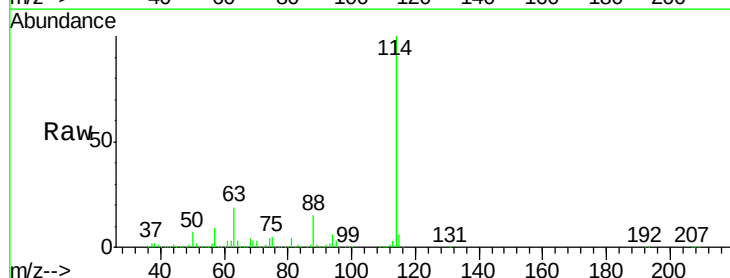
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

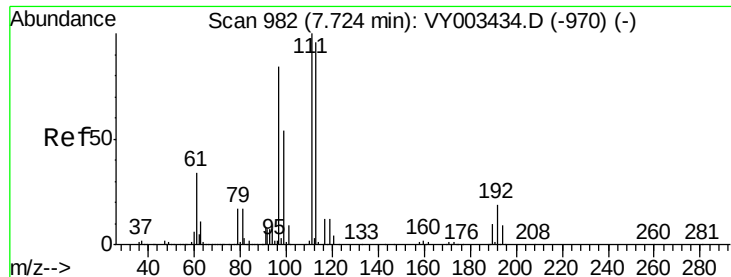
Tot Ion: 65 Resp: 132534
 Ion Ratio Lower Upper
 65 100
 67 57.2 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

Tgt Ion: 114 Resp: 1075114
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 15.3 0.0 29.0

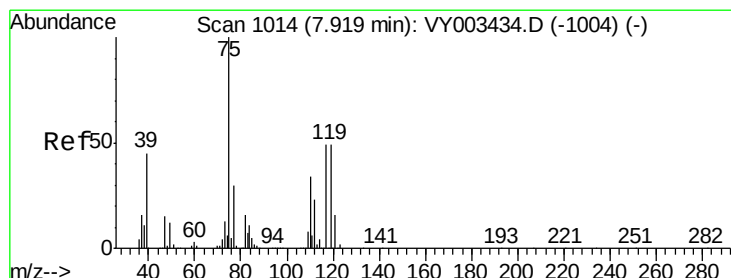
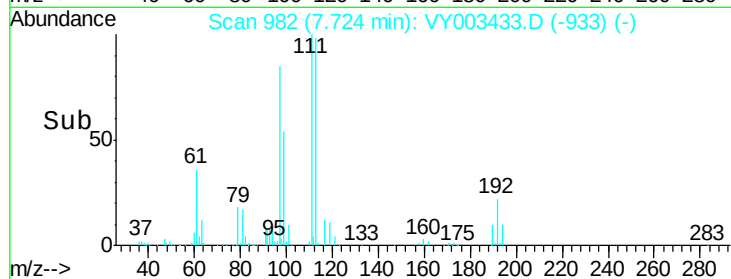
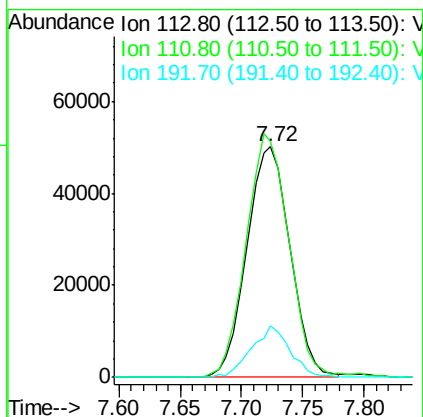
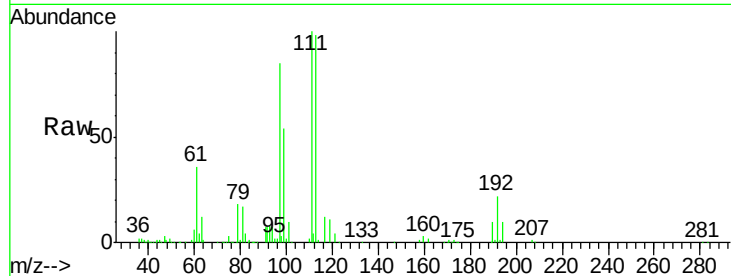




#35
 Dibromofluoromethane
 Concen: 19.862 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

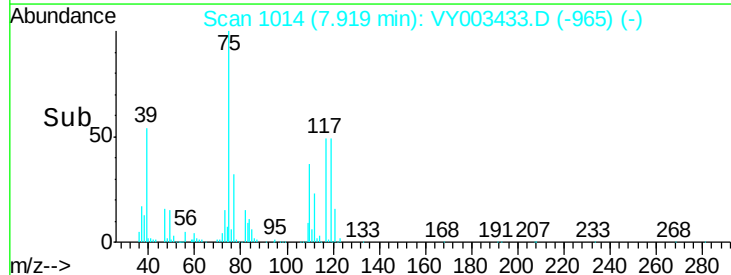
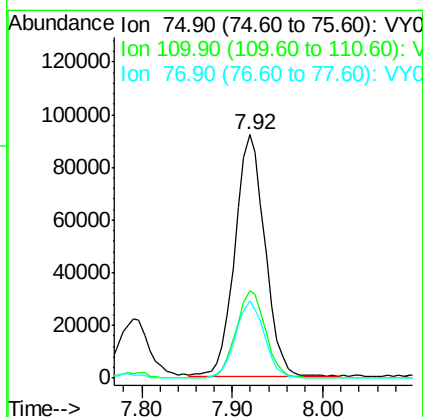
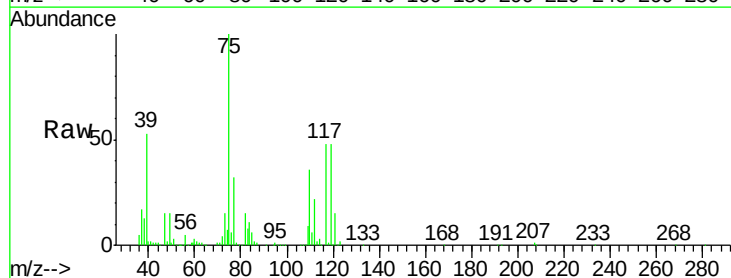
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

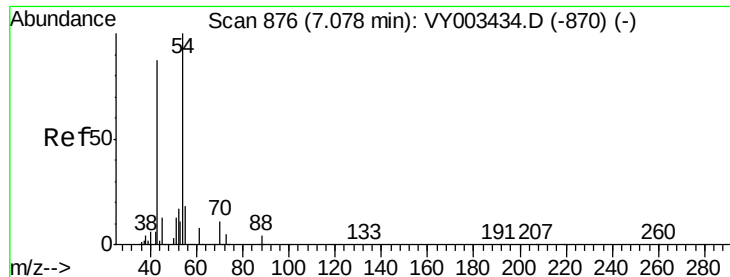
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.2	123.2
192	19.9	15.7	23.5



#36
 1,1-Dichloropropene
 Concen: 19.867 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.5
77	31.1	24.4	36.6

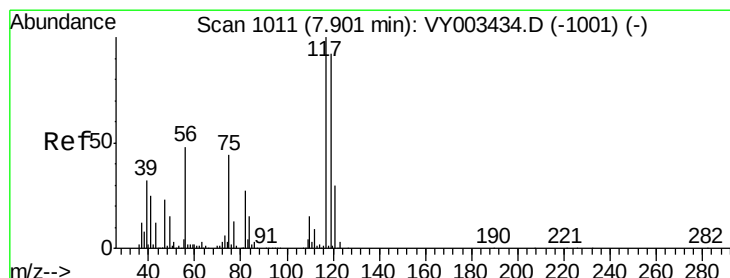
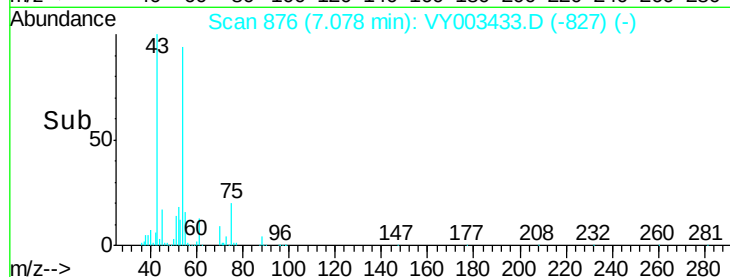
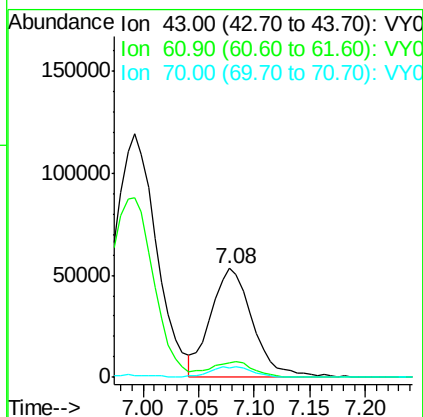
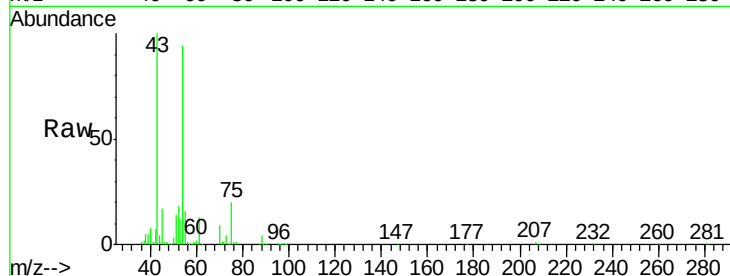




#37
Ethyl Acetate
Concen: 20.580 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

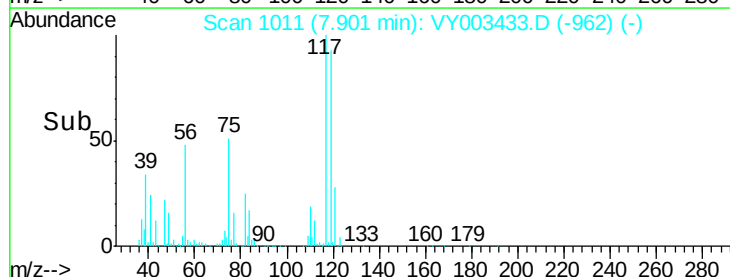
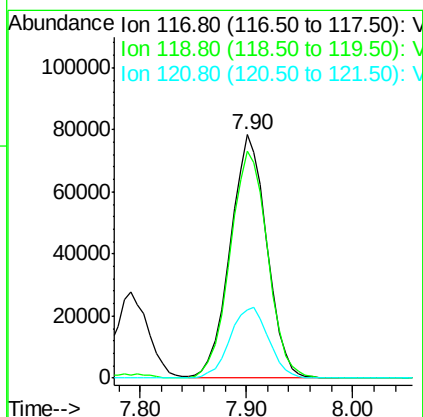
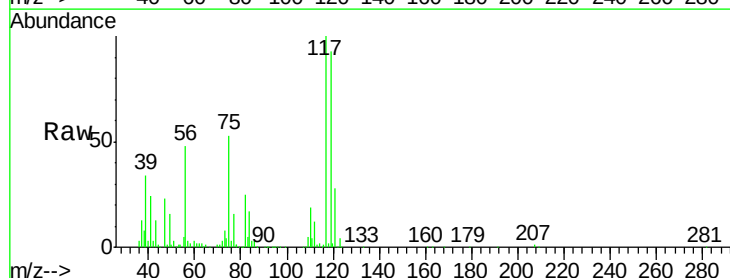
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

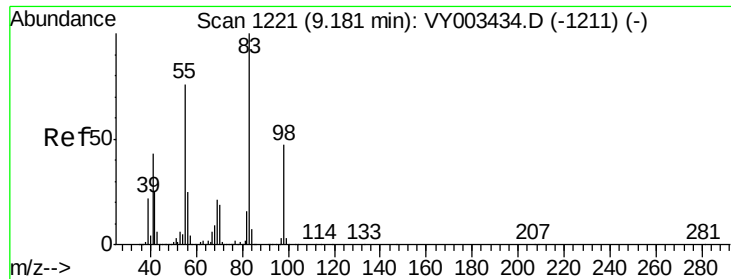
Tot Ion: 43 Resp: 138010
Ion Ratio Lower Upper
43 100
61 13.7 11.4 17.2
70 9.5 8.1 12.1



#38
Carbon Tetrachloride
Concen: 19.729 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 117 Resp: 189404
Ion Ratio Lower Upper
117 100
119 93.4 73.4 110.2
121 28.1 24.0 36.0

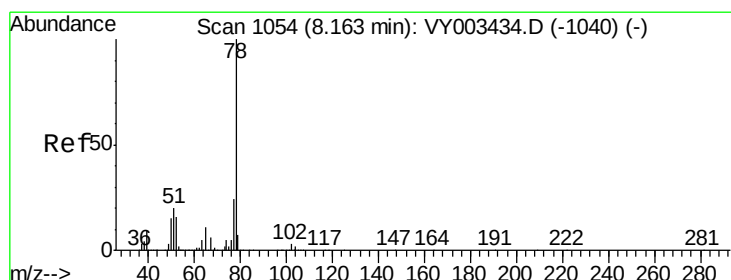
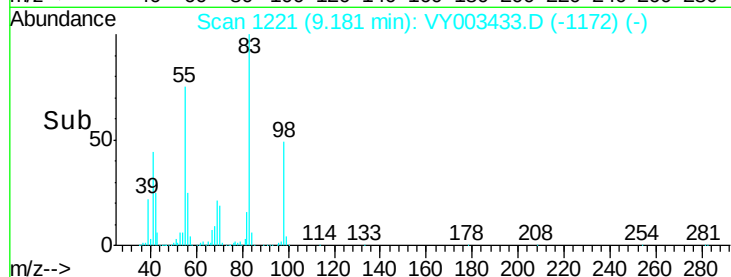
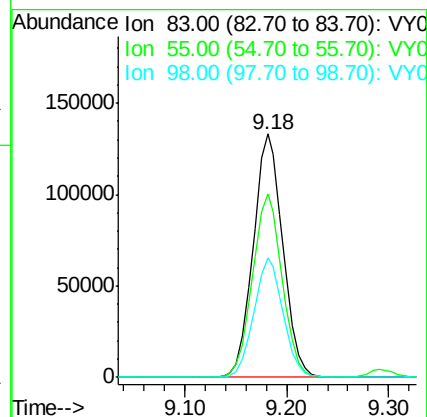
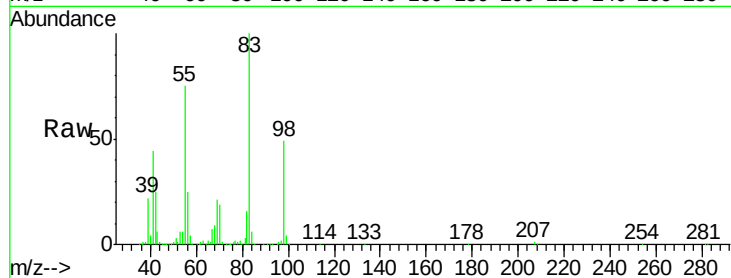




#39
Methylvlcyclohexane
Concen: 19.758 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

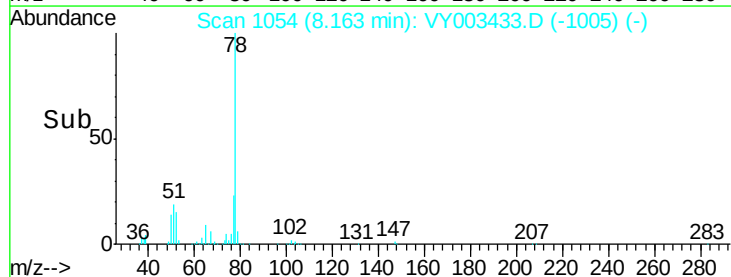
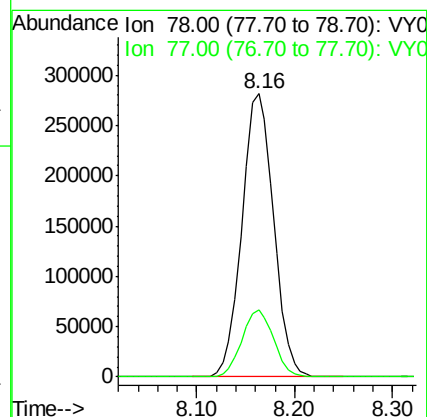
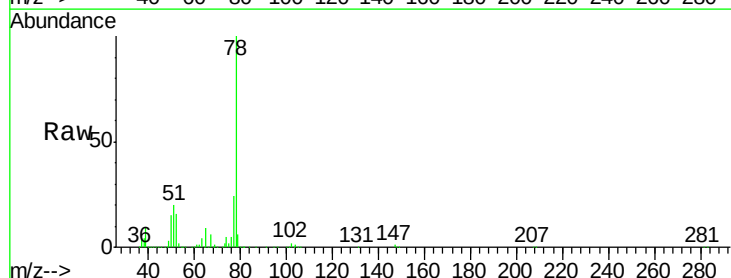
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

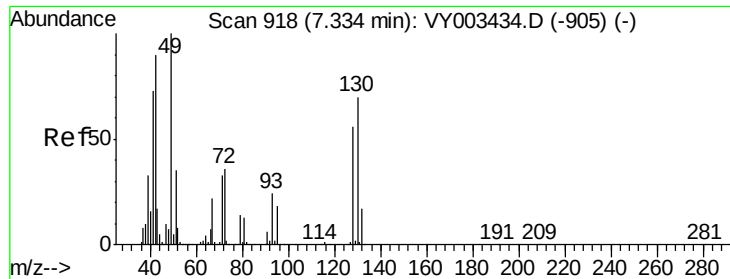
Tot Ion: 83 Resp: 269066
Ion Ratio Lower Upper
83 100
55 75.5 61.0 91.4
98 49.3 37.3 55.9



#40
Benzene
Concen: 20.164 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 78 Resp: 633091
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

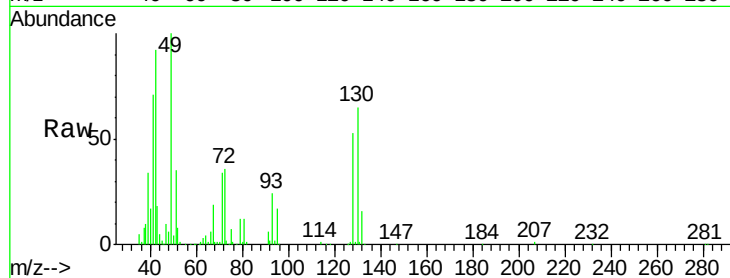




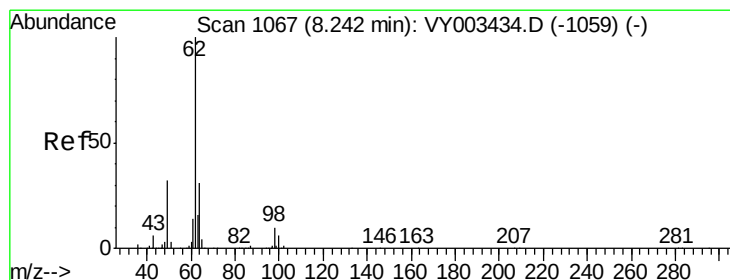
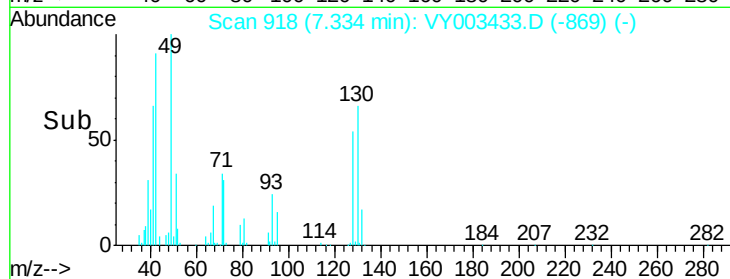
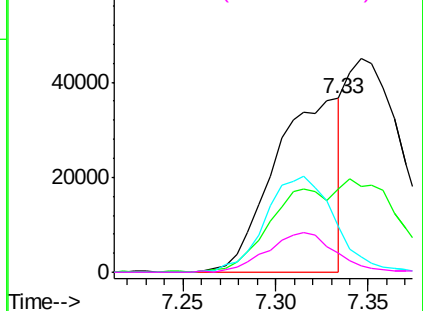
#41
Methacrylonitrile
Concen: 24.621 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	91247
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

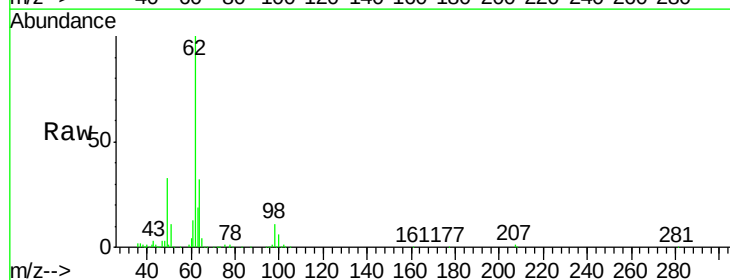


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

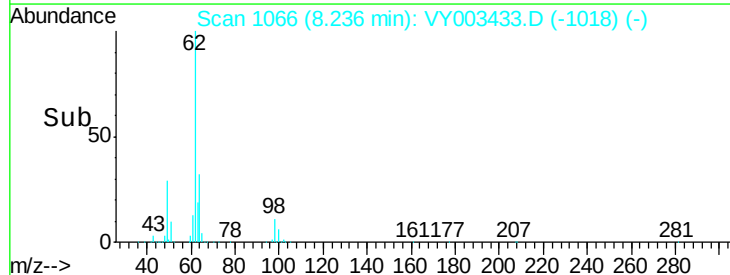
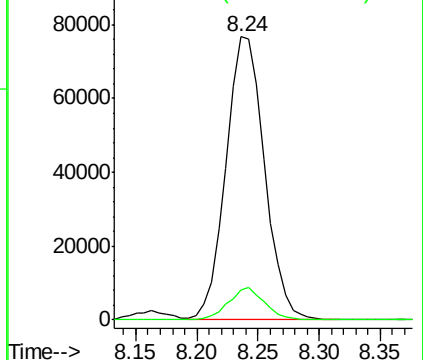


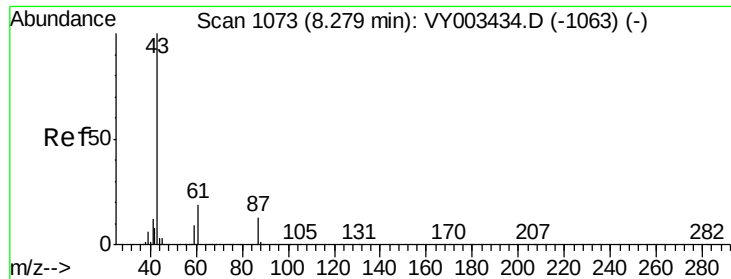
#42
1,2-Dichloroethane
Concen: 19.935 ug/l
RT: 8.24 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion:	62	Resp:	167304
Ion	Ratio	Lower	Upper
62	100		
98	10.8	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: 20.252 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

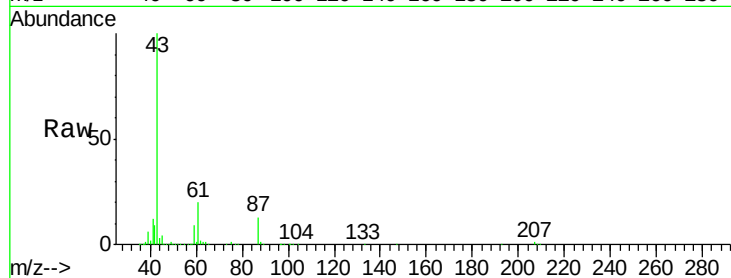
Tot Ion: 43 Resp: 245426

Ion Ratio Lower Upper

43 100

61 29.1 22.8 34.2

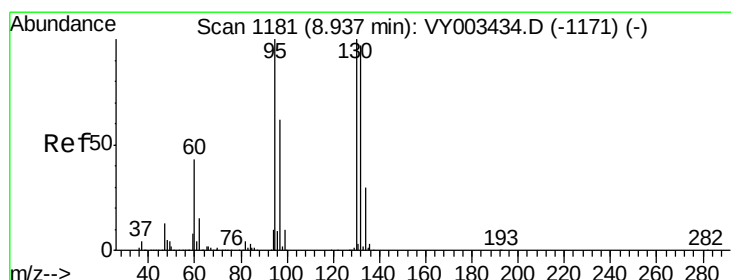
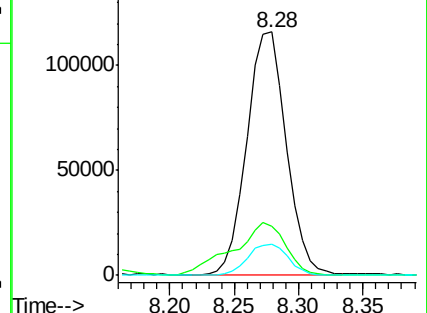
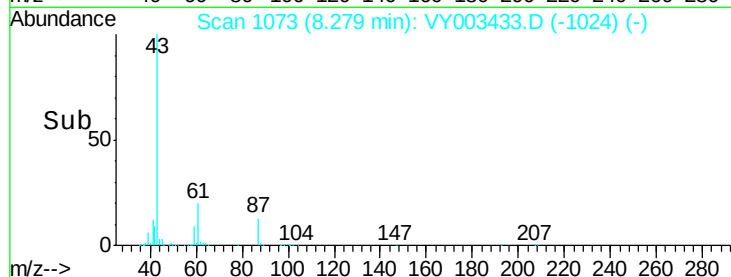
87 13.2 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VY003433.D (-1063) (-)

Ion 61.00 (60.70 to 61.70): VY003433.D (-1063) (-)

Ion 87.00 (86.70 to 87.70): VY003433.D (-1063) (-)



#44

Trichloroethene

Concen: 20.019 ug/l

RT: 8.94 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VY003433.D

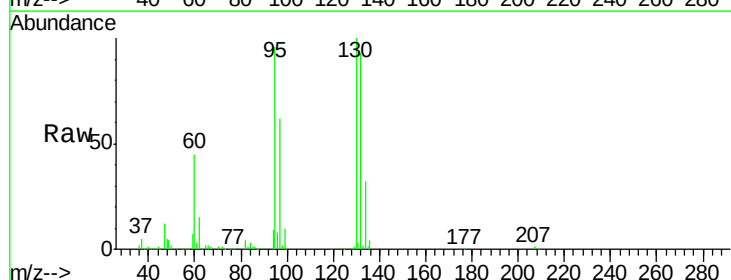
Acq: 04 Sep 2020 15:42

Tgt Ion: 130 Resp: 168241

Ion Ratio Lower Upper

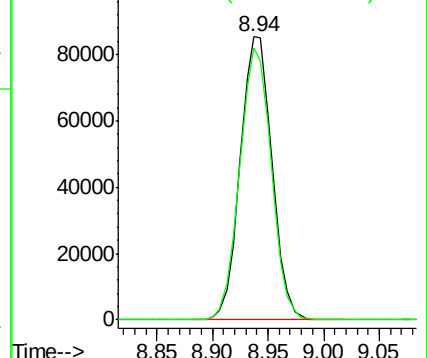
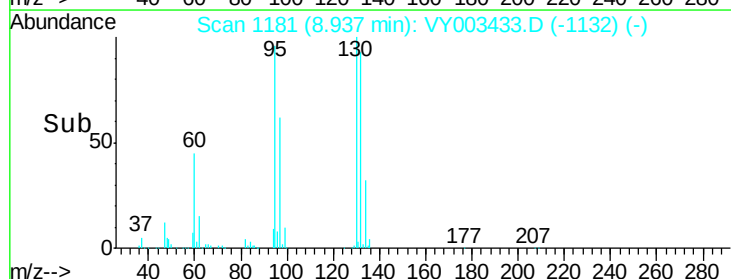
130 100

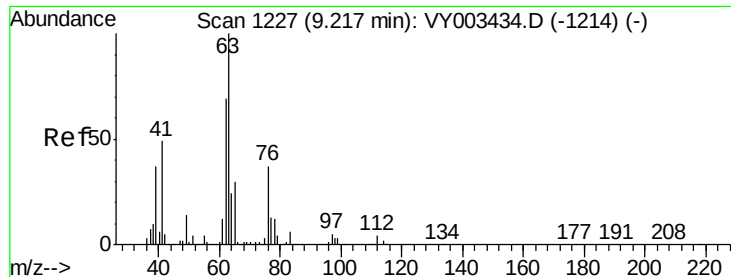
95 96.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VY003433.D (-1171) (-)

Ion 94.90 (94.60 to 95.60): VY003433.D (-1171) (-)





#45

1,2-Dichloropropane

Concen: 20.443 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

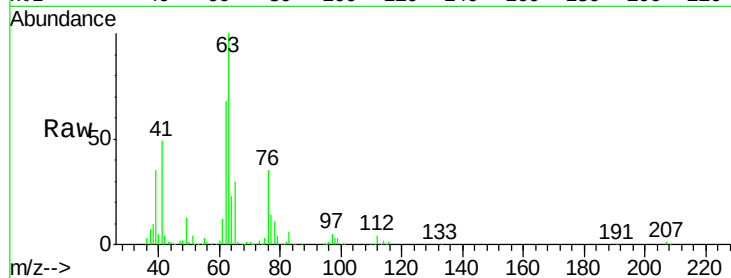
VSTDIC020

Tot Ion: 63 Resp: 165460

Ion Ratio Lower Upper

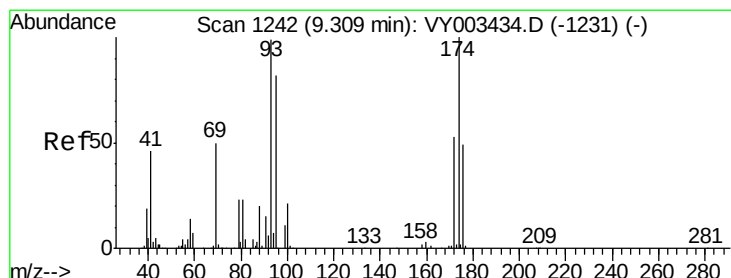
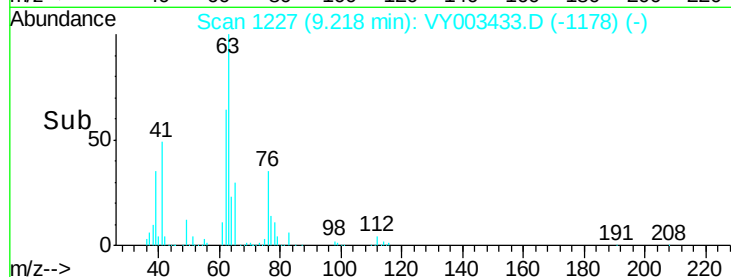
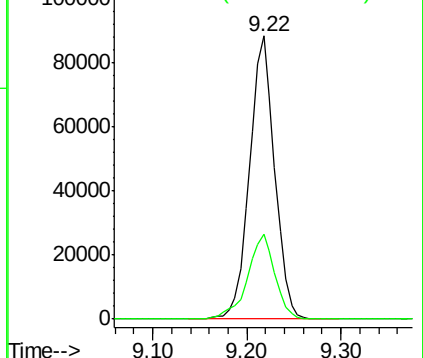
63 100

65 30.1 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.017 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

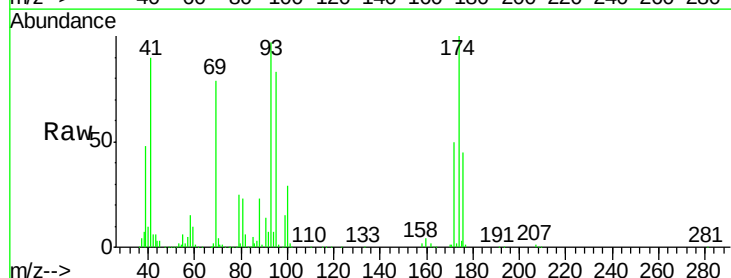
Tgt Ion: 93 Resp: 84883

Ion Ratio Lower Upper

93 100

95 85.7 66.6 99.8

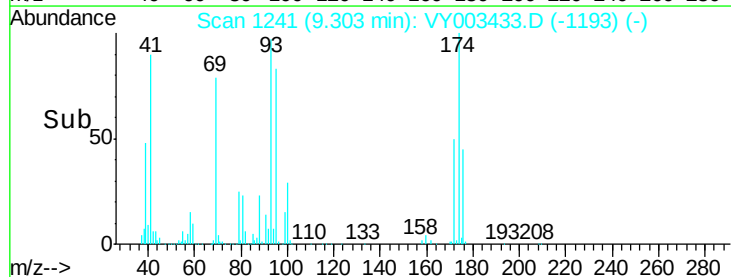
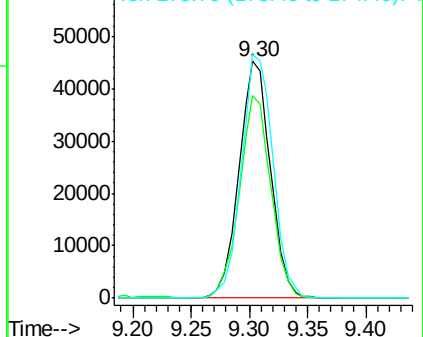
174 103.8 80.4 120.6

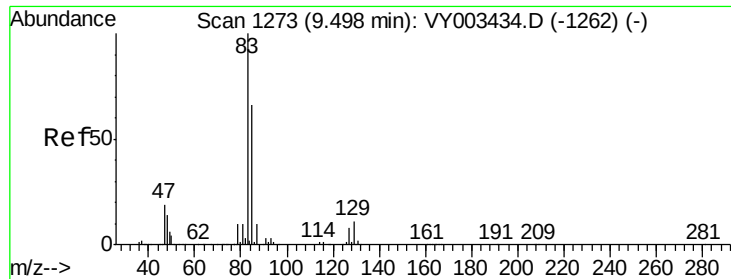


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.140 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

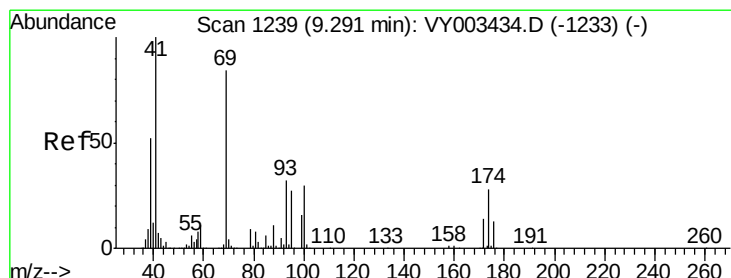
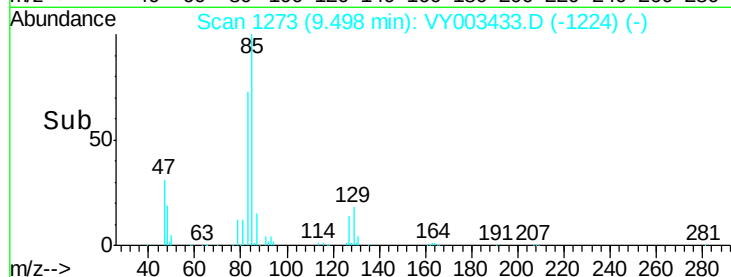
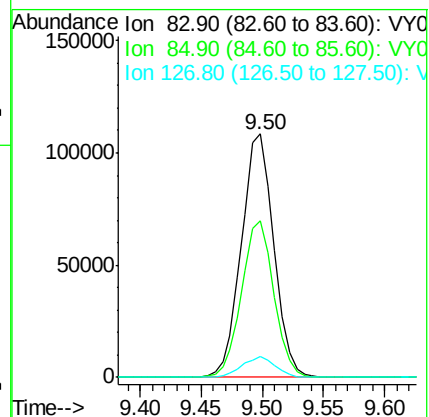
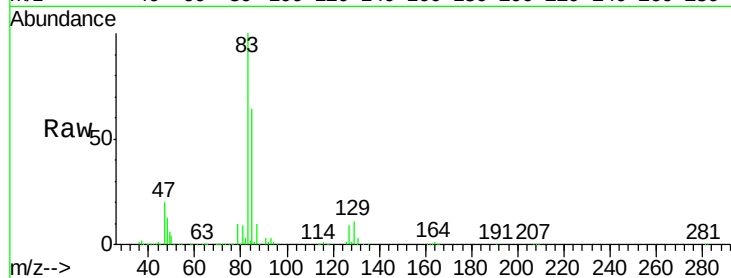
Tot Ion: 83 Resp: 199523

Ion Ratio Lower Upper

83 100

85 64.3 52.6 79.0

127 8.8 6.5 9.7



#48

Methyl methacrylate

Concen: 21.149 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

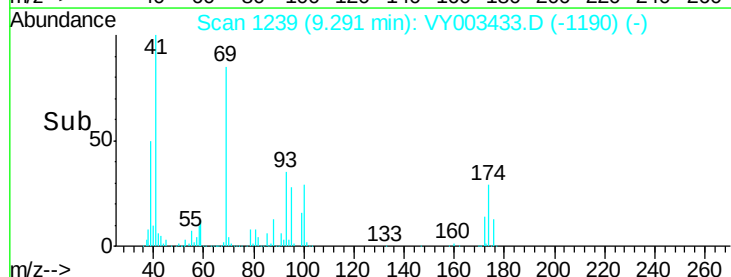
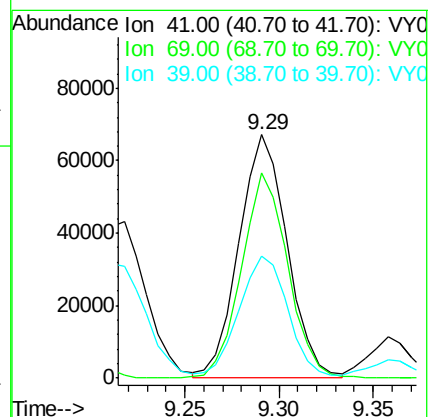
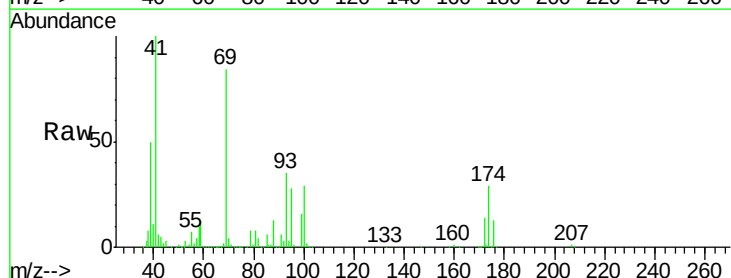
Tgt Ion: 41 Resp: 118646

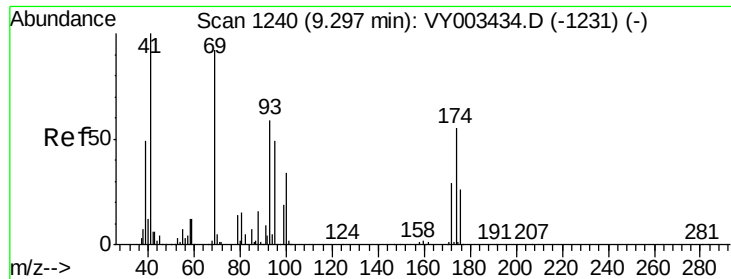
Ion Ratio Lower Upper

41 100

69 81.4 68.8 103.2

39 48.8 43.0 64.4

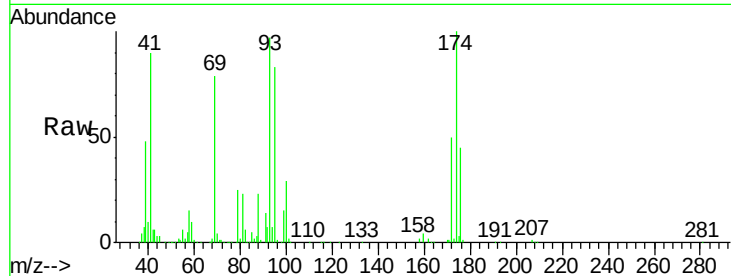




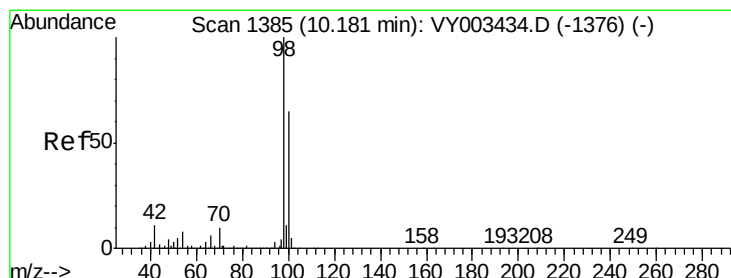
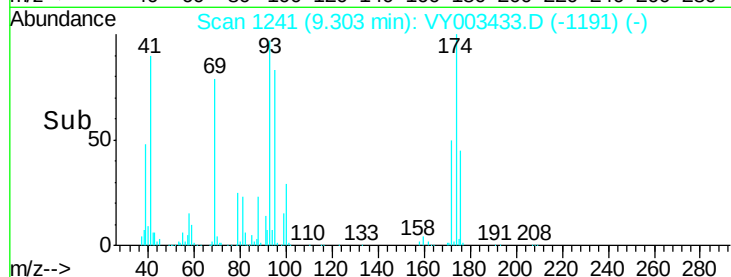
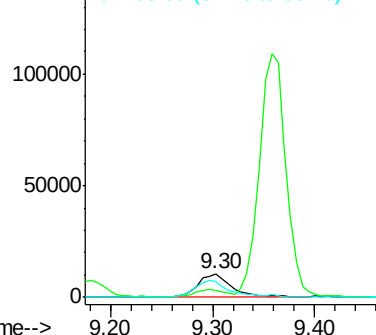
#49
1,4-Dioxane
Concen: 425.740 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 24917
Ion Ratio Lower Upper
88 100
43 29.1 24.7 37.1
58 70.6 60.2 90.4

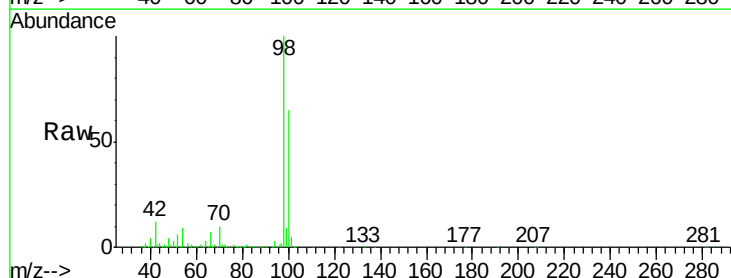


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

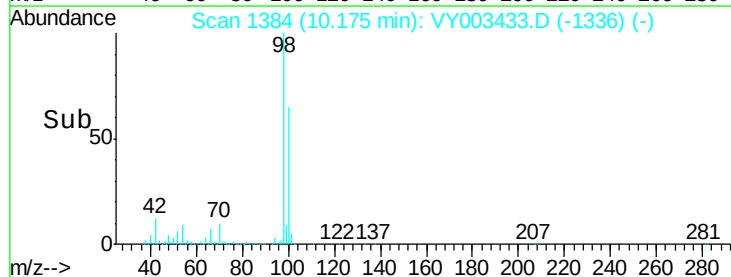
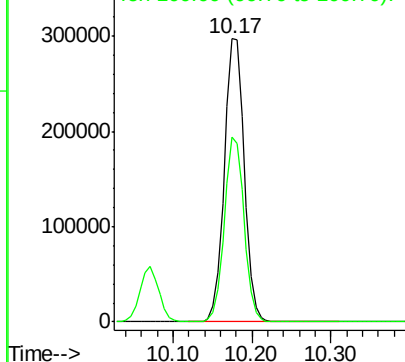


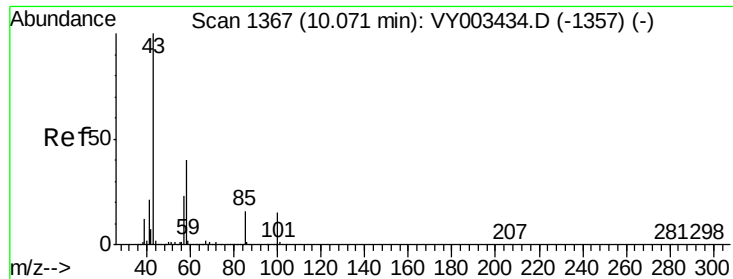
#50
Toluene-d8
Concen: 19.921 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 98 Resp: 521974
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



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

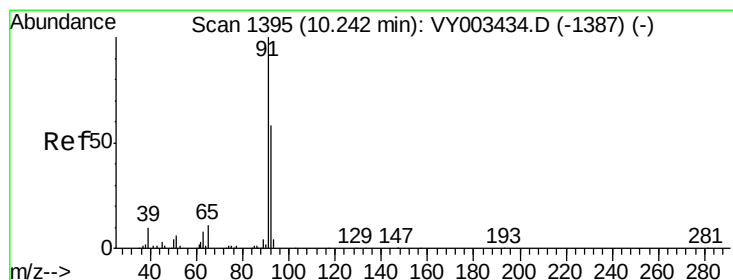
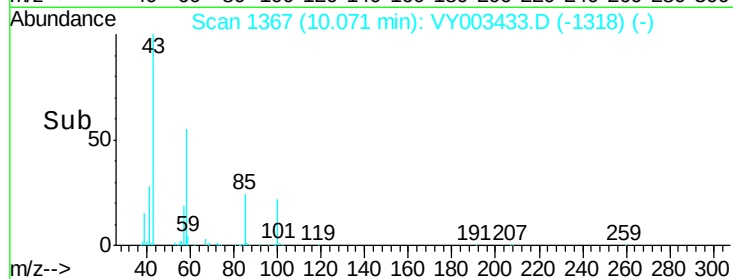
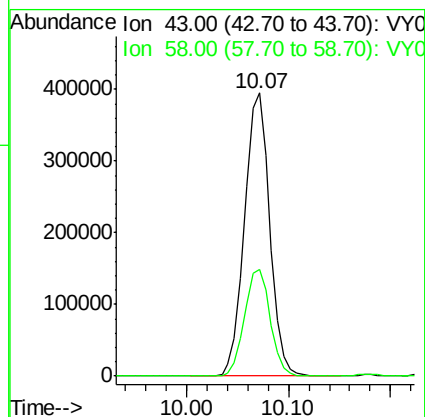
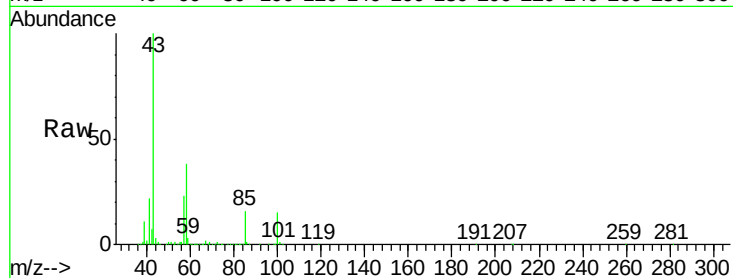




#51
4-Methyl-2-Pentanone
Concen: 102.751 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

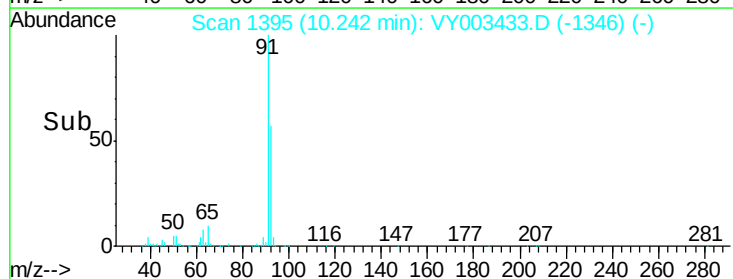
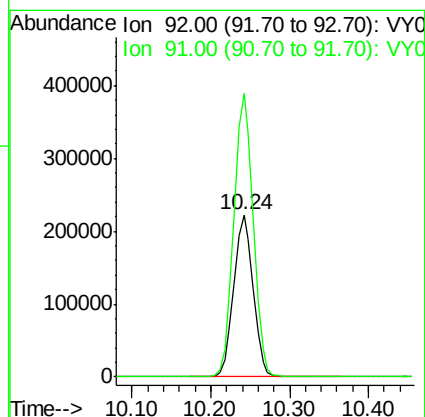
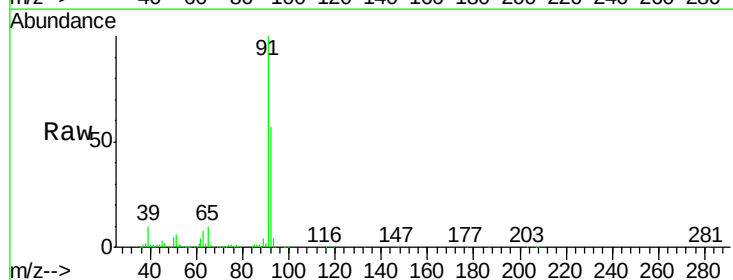
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

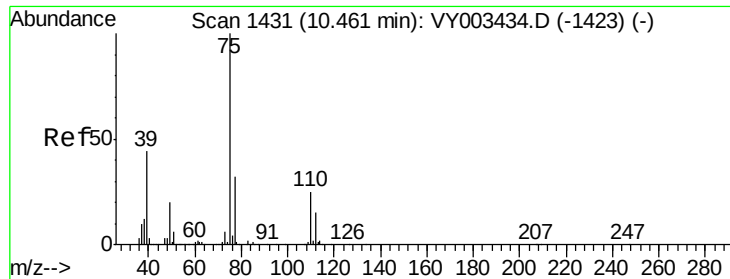
Tot Ion: 43 Resp: 676821
Ion Ratio Lower Upper
43 100
58 38.7 31.3 46.9



#52
Toluene
Concen: 20.011 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 92 Resp: 381383
Ion Ratio Lower Upper
92 100
91 174.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.367 ug/l

RT: 10.46 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampled :

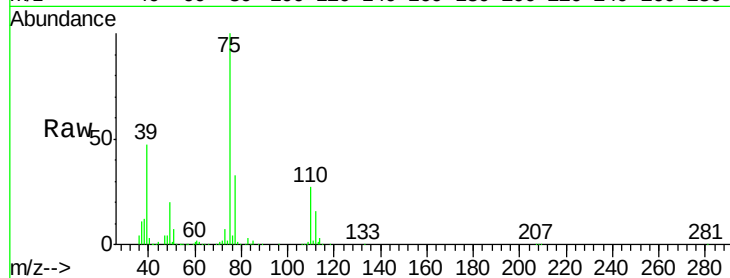
VSTDIC020

Tot Ion: 75 Resp: 216741

Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

150000

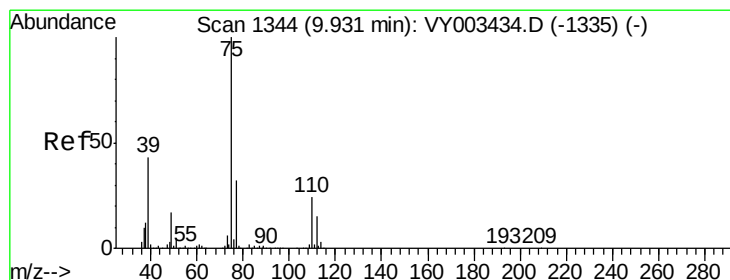
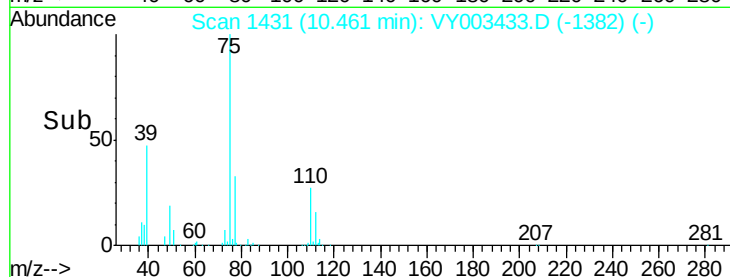
100000

50000

0

10.46

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.494 ug/l

RT: 9.92 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

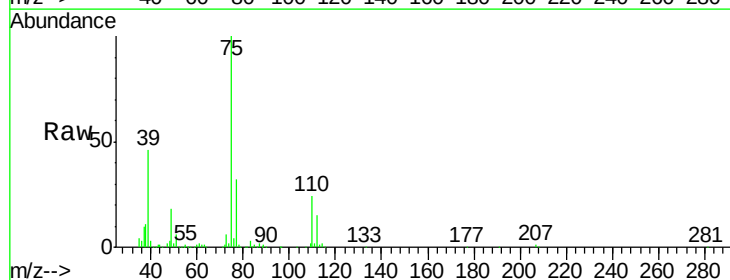
Tgt Ion: 75 Resp: 257757

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 46.0 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

200000

150000

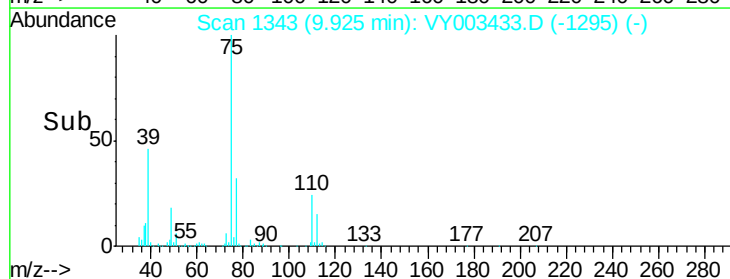
100000

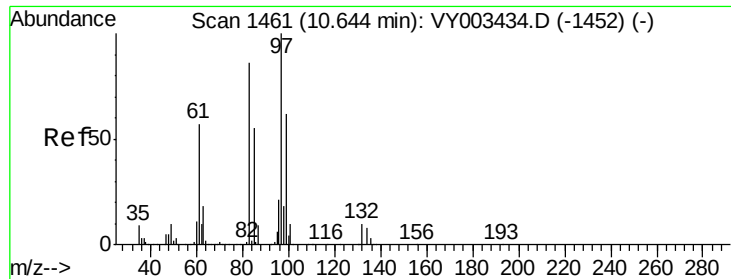
50000

0

9.92

Time-->

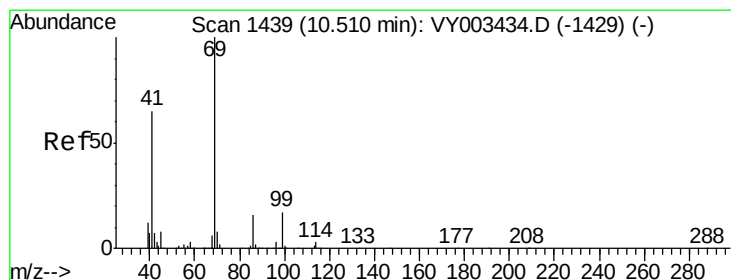
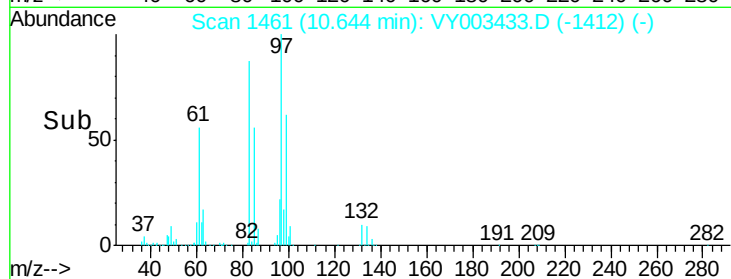
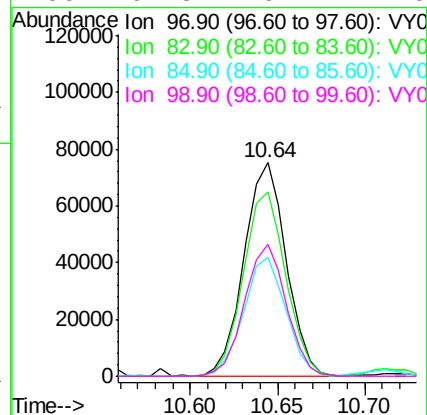
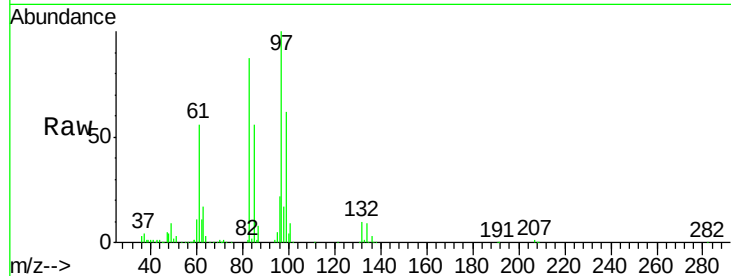




#55
 1,1,2-Trichloroethane
 Concen: 20.412 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

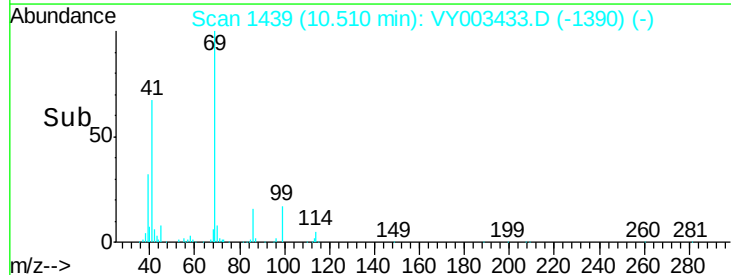
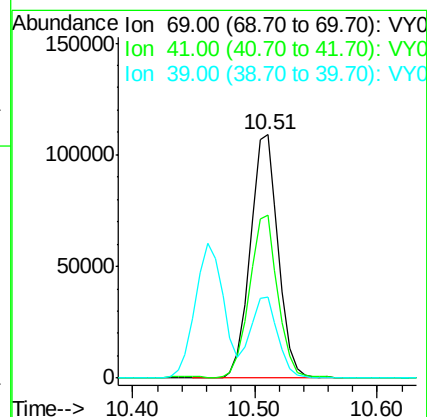
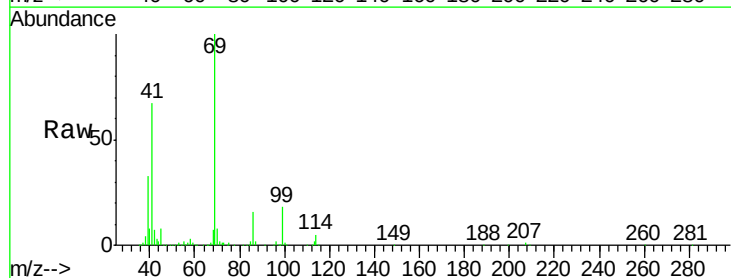
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

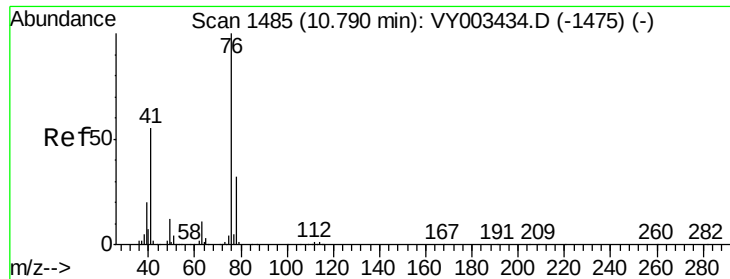
Tot Ion:	97	Resp:	125731
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.5	102.7
85	55.9	43.9	65.9
99	61.8	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 20.651 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

Tgt Ion:	69	Resp:	172036
Ion	Ratio	Lower	Upper
69	100		
41	67.5	53.2	79.8
39	32.9	25.9	38.9





#57

1,3-Dichloropropane

Concen: 20.552 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

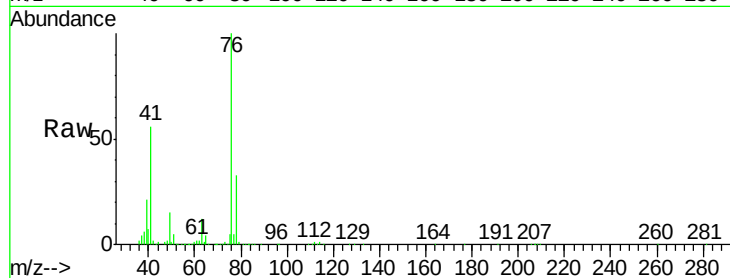
VSTDIC020

Tot Ion: 76 Resp: 222148

Ion Ratio Lower Upper

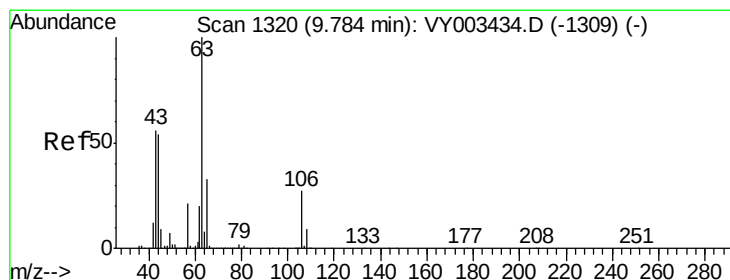
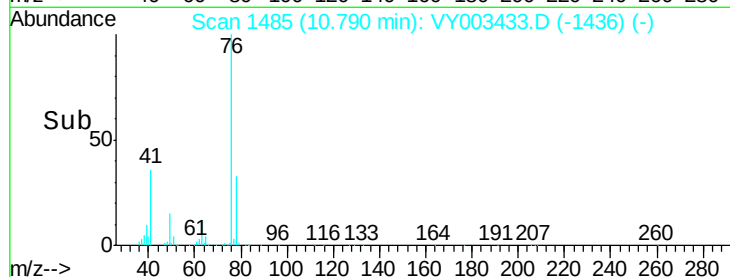
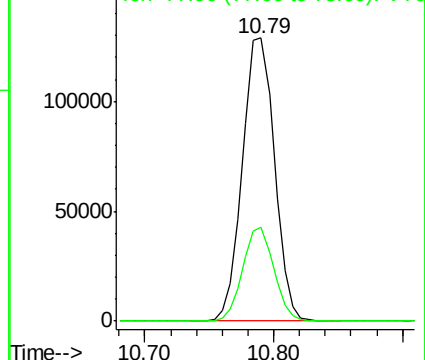
76 100

78 32.0 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: 101.801 ug/l

RT: 9.78 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VY003433.D

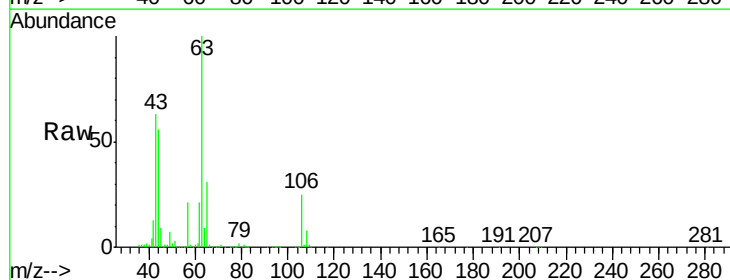
Acq: 04 Sep 2020 15:42

Tgt Ion: 63 Resp: 457975

Ion Ratio Lower Upper

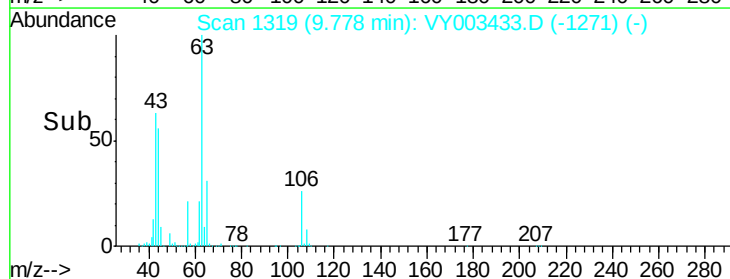
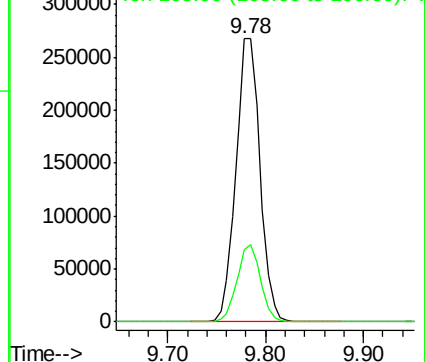
63 100

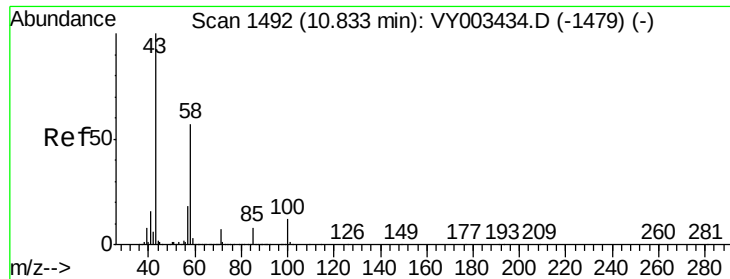
106 26.6 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

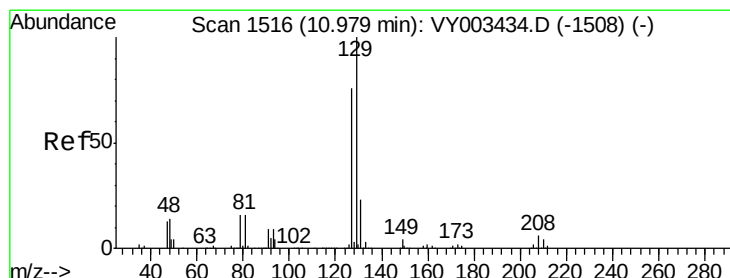
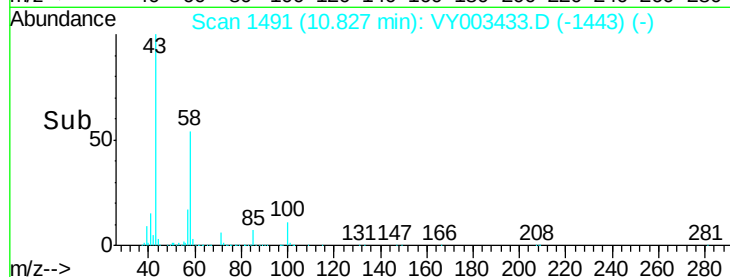
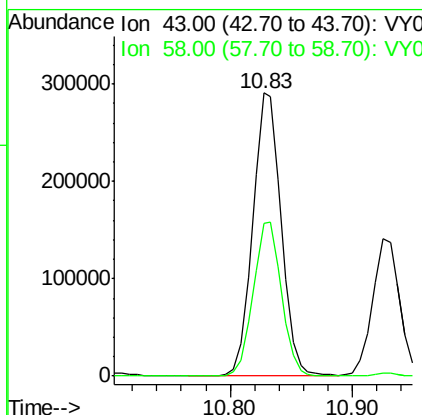
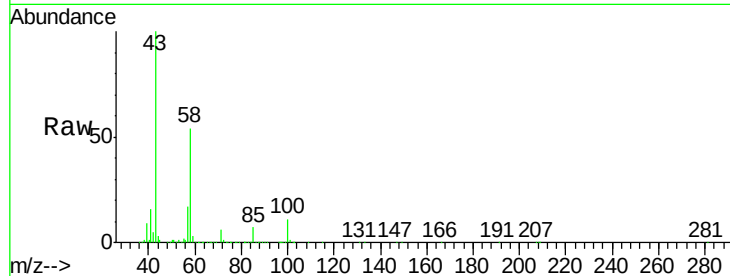




#59
2-Hexanone
Concen: 104.606 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

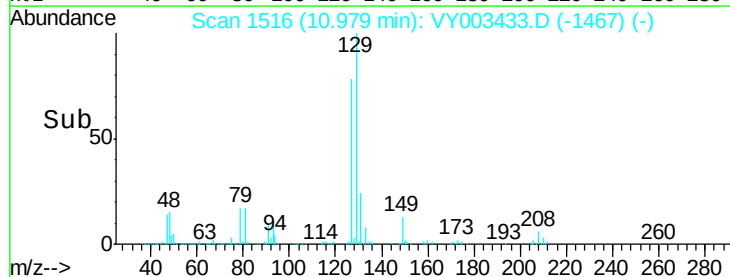
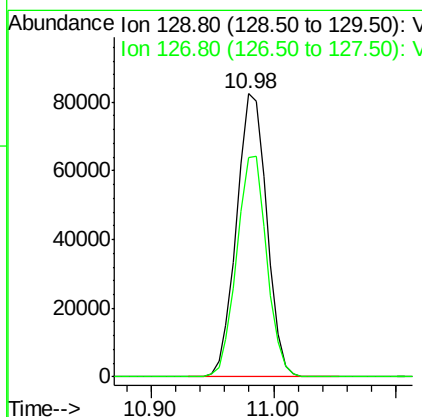
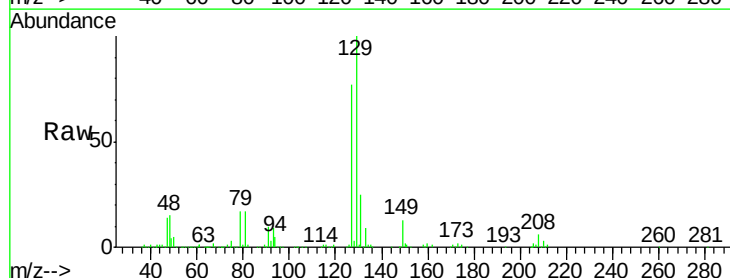
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

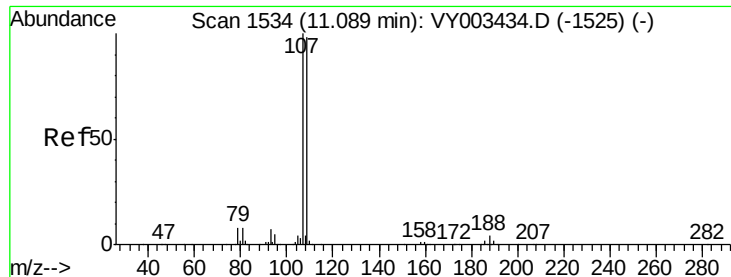
Tot Ion: 43 Resp: 469433
Ion Ratio Lower Upper
43 100
58 54.7 27.8 83.3



#60
Dibromochloromethane
Concen: 20.277 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 129 Resp: 141130
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.135 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

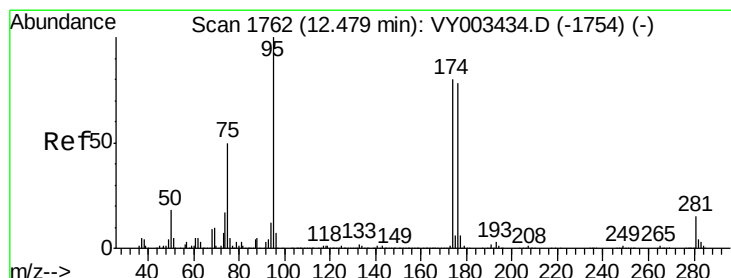
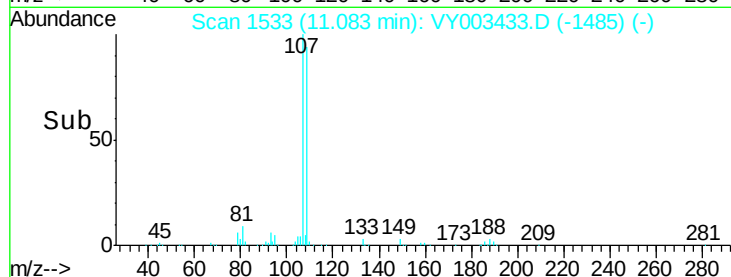
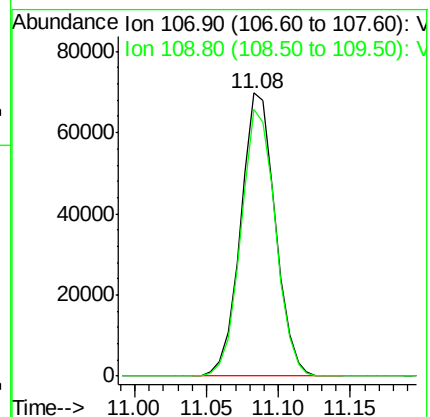
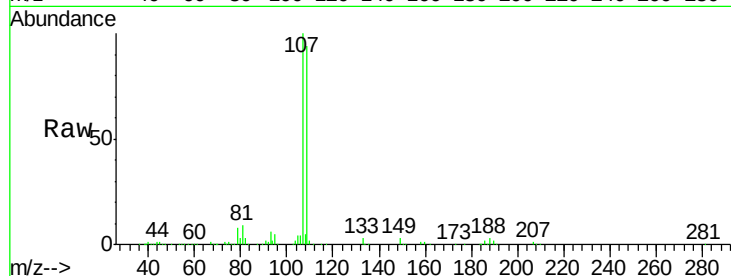
VSTDIC020

Tot Ion: 107 Resp: 116254

Ion Ratio Lower Upper

107 100

109 94.1 75.8 113.6



#62

4-Bromofluorobenzene

Concen: 19.468 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

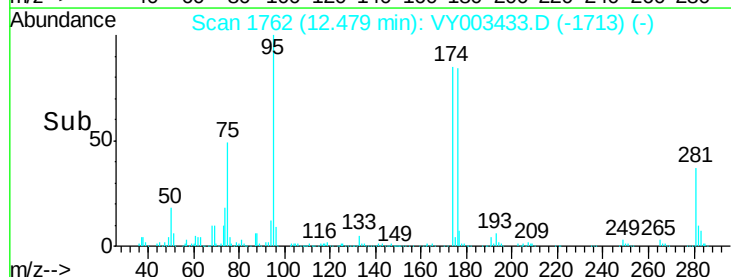
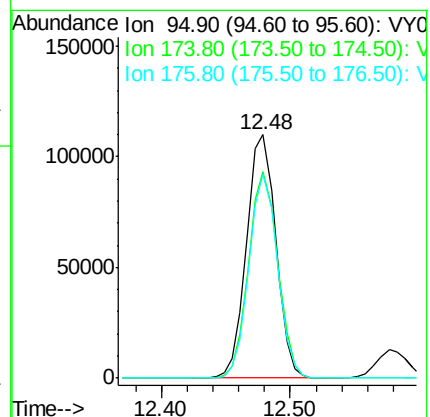
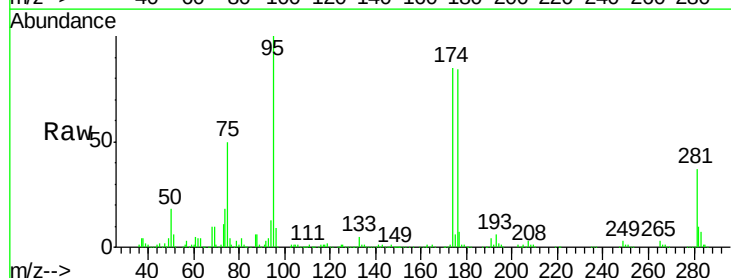
Tgt Ion: 95 Resp: 172121

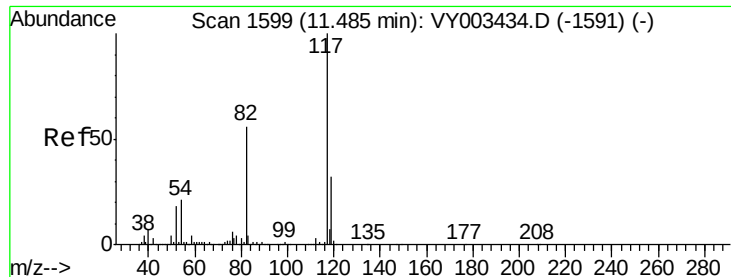
Ion Ratio Lower Upper

95 100

174 84.5 0.0 161.6

176 81.7 0.0 157.6

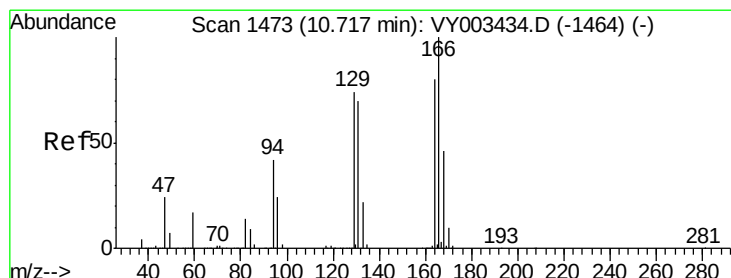
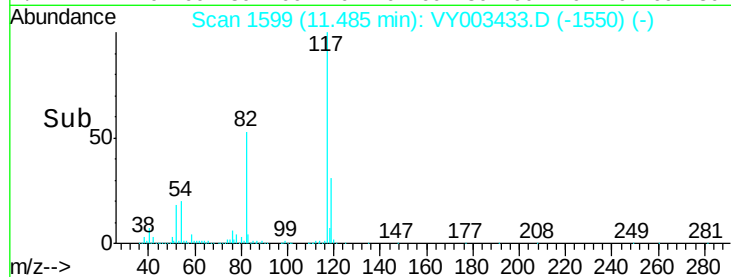
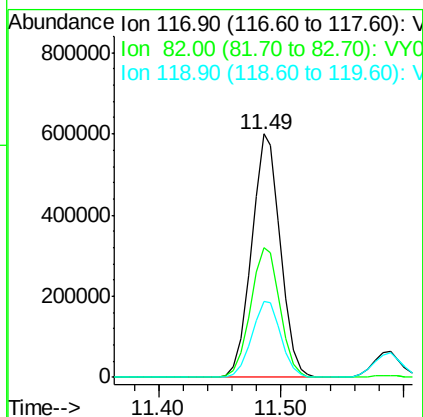
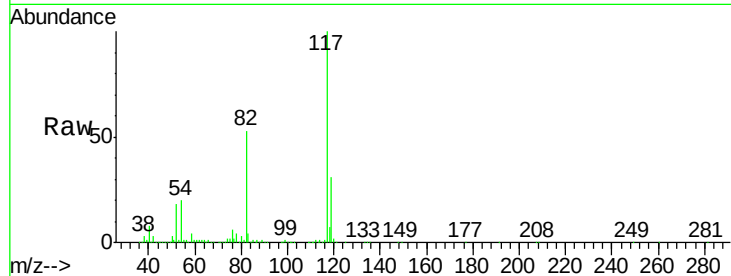




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

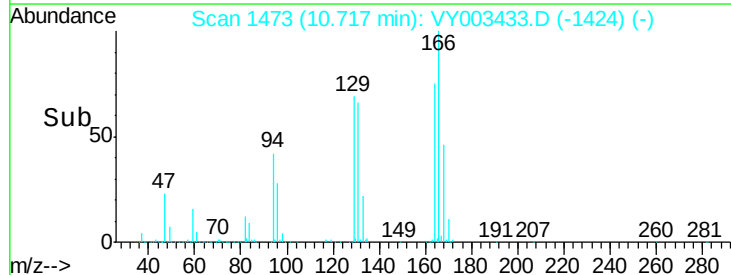
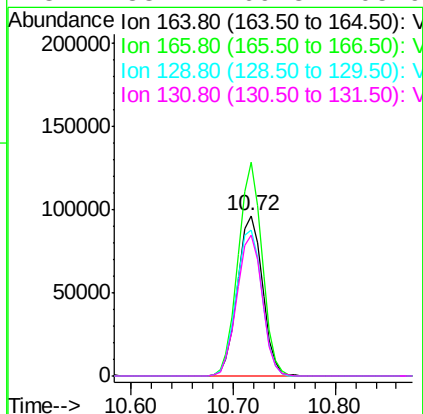
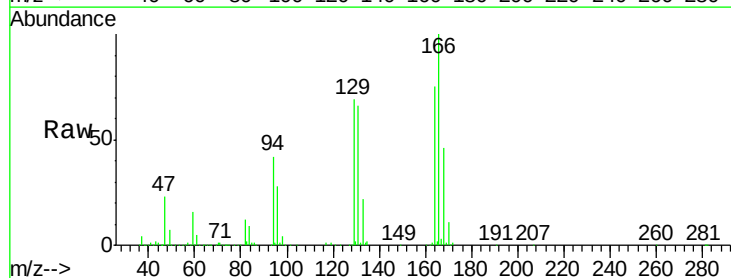
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

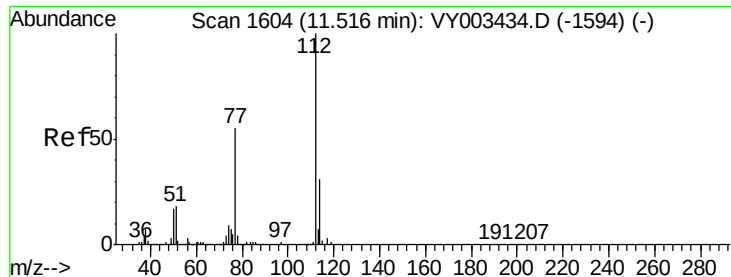
Tot Ion:117 Resp: 977623
Ion Ratio Lower Upper
117 100
82 53.2 44.8 67.2
119 31.3 25.9 38.9



#64
Tetrachloroethene
Concen: 19.767 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion:164 Resp: 163346
Ion Ratio Lower Upper
164 100
166 133.3 99.4 149.2
129 91.3 73.8 110.8
131 88.2 69.3 103.9

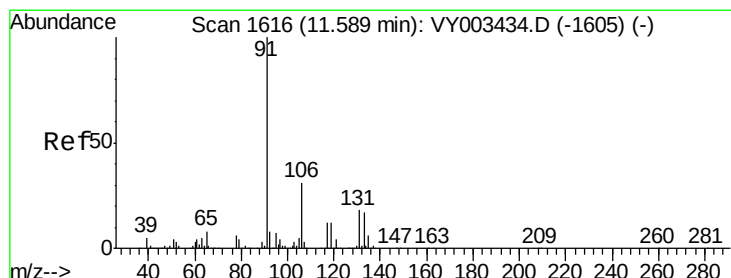
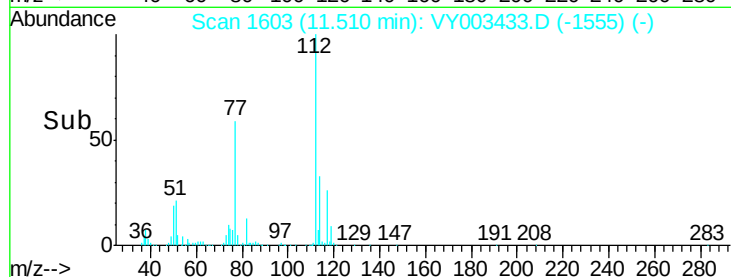
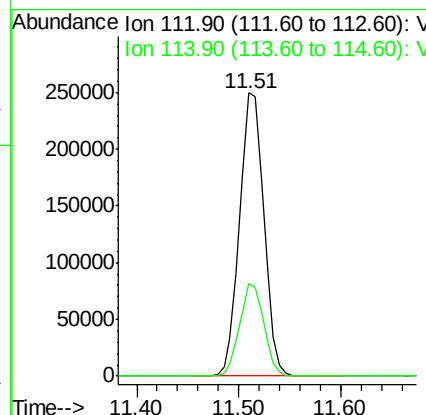
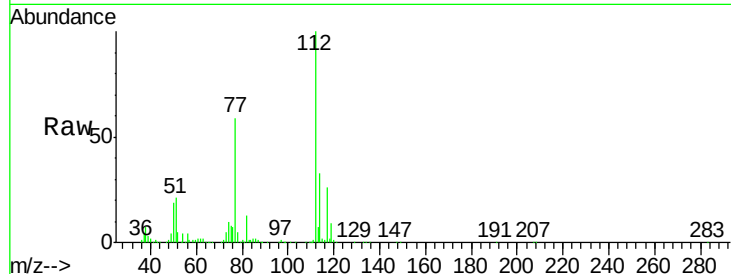




#65
Chlorobenzene
Concen: 19.944 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

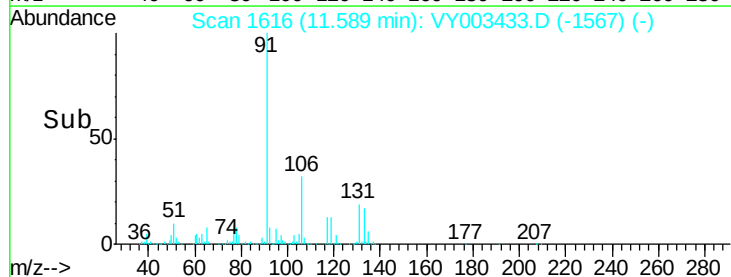
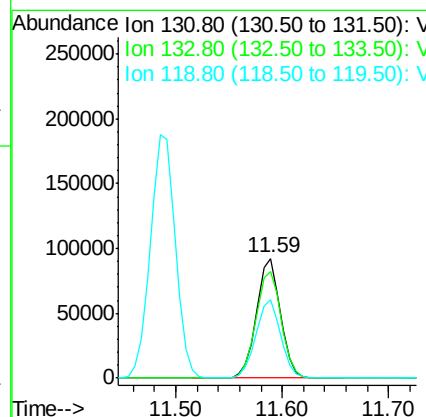
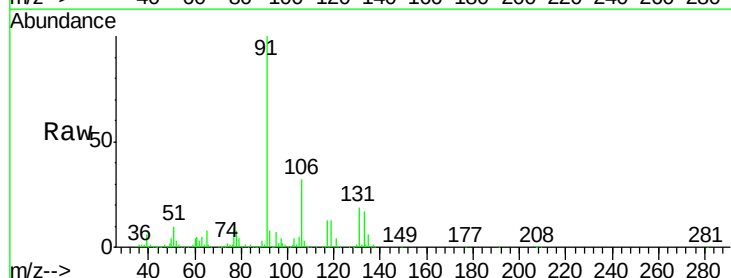
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

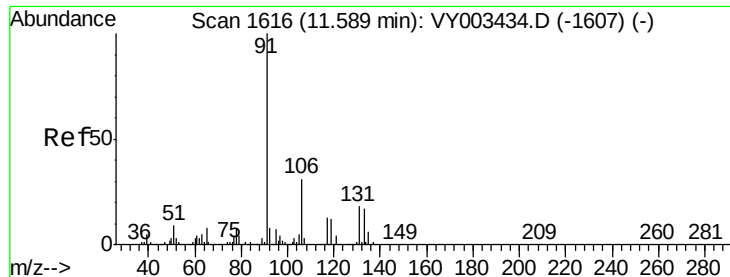
Tot Ion:112 Resp: 409421
Ion Ratio Lower Upper
112 100
114 32.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.446 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion:131 Resp: 146014
Ion Ratio Lower Upper
131 100
133 93.7 48.1 144.3
119 67.5 34.3 102.9

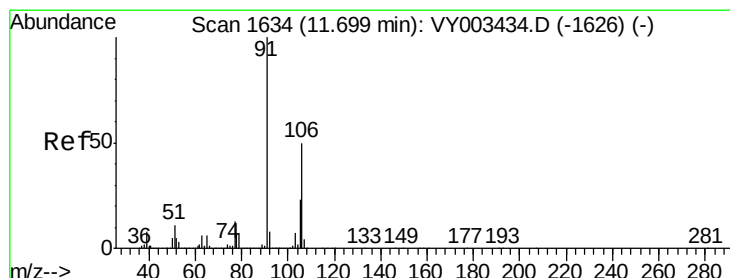
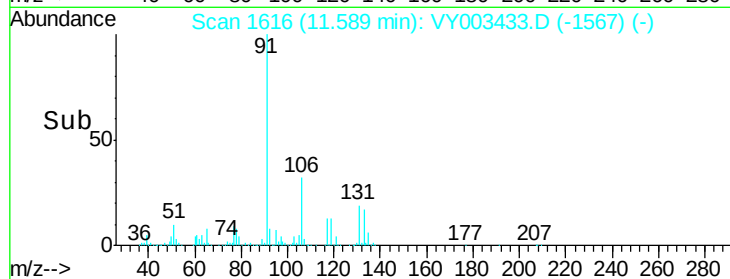
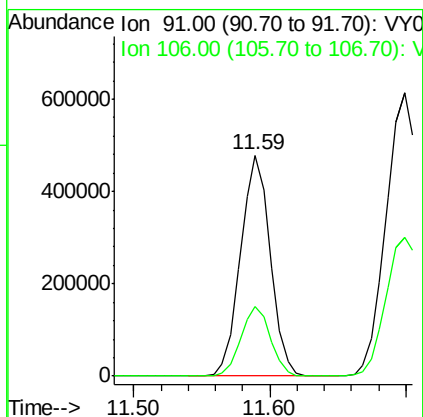
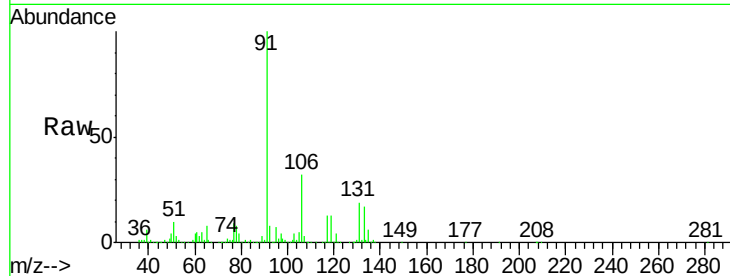




#67
Ethyl Benzene
Concen: 19.929 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

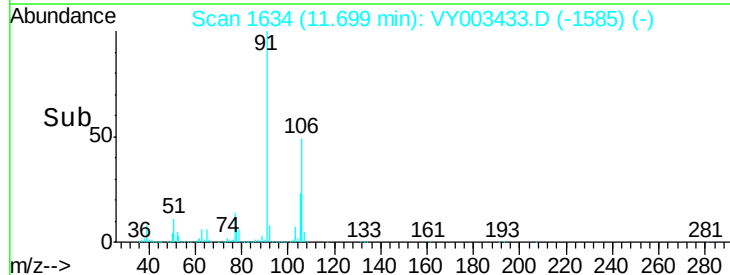
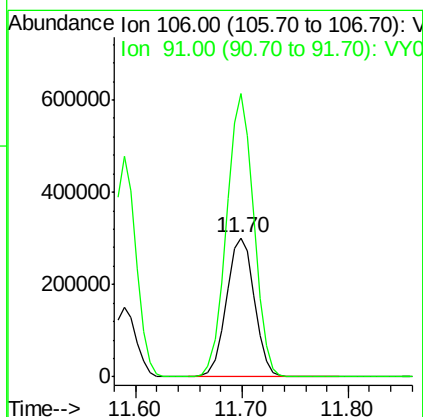
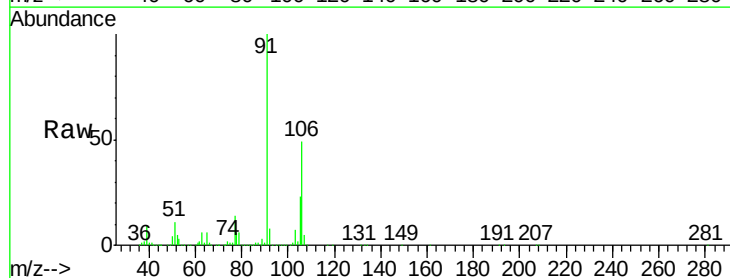
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

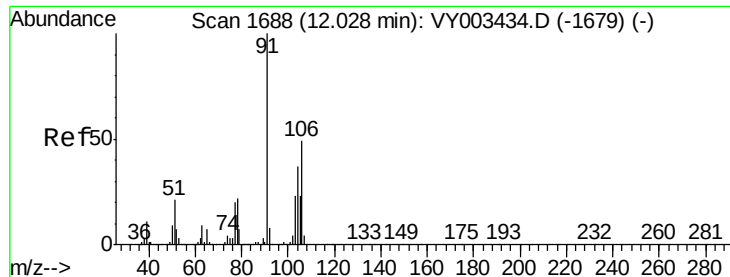
Tot Ion: 91 Resp: 731696
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8



#68
m/p-Xylenes
Concen: 39.830 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 106 Resp: 551752
Ion Ratio Lower Upper
106 100
91 199.1 159.5 239.3

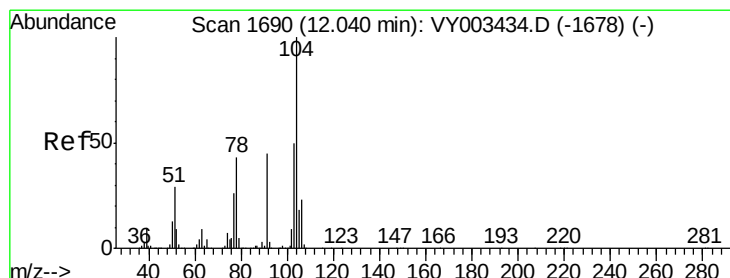
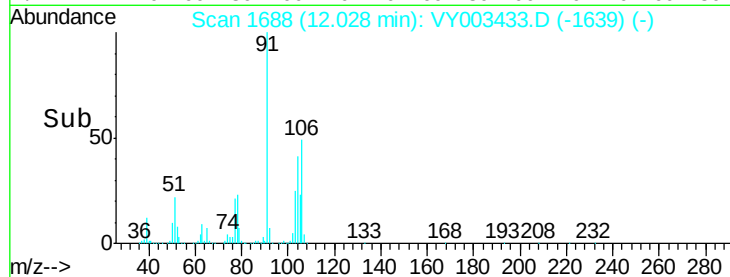
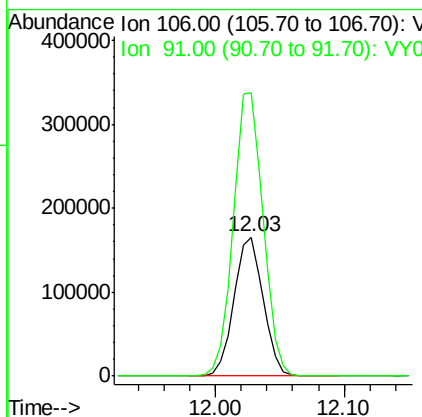
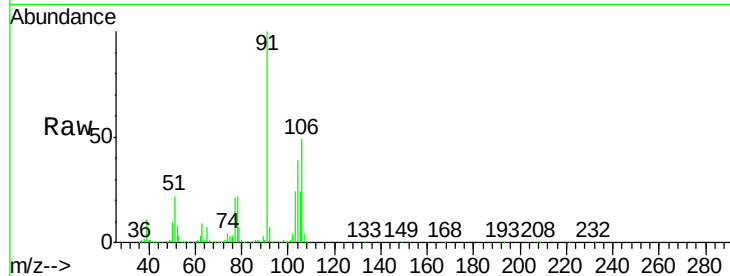




#69
o-Xylene
Concen: 19.952 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

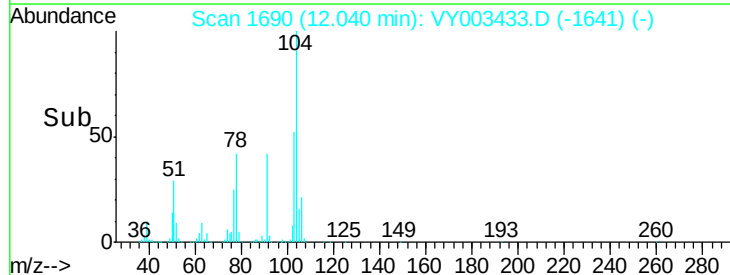
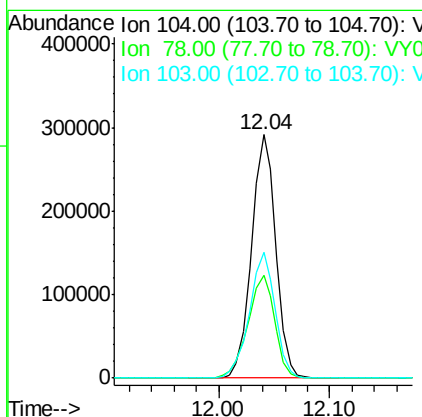
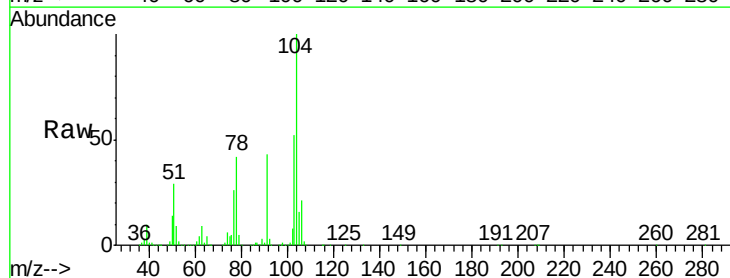
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

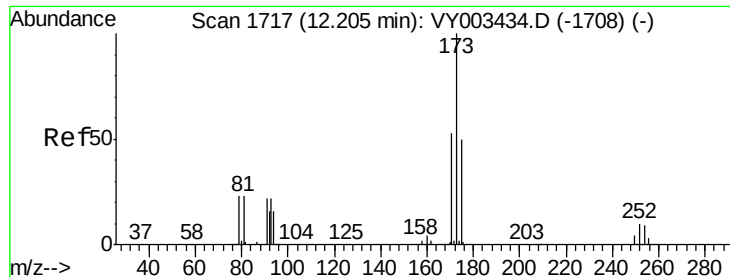
Tot Ion:106 Resp: 260757
Ion Ratio Lower Upper
106 100
91 208.0 104.7 313.9



#70
Styrene
Concen: 20.433 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion:104 Resp: 440983
Ion Ratio Lower Upper
104 100
78 46.8 38.1 57.1
103 55.0 43.8 65.6





#71

Bromoform

Concen: 20.654 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

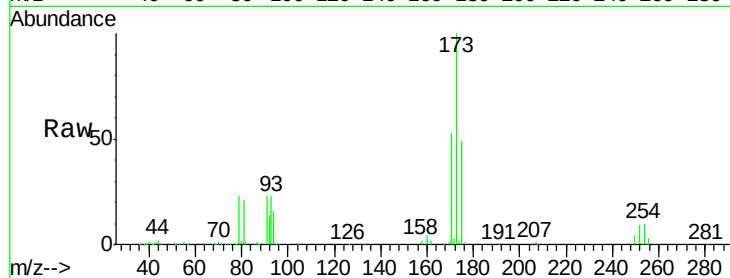
Tot Ion:173 Resp: 88023

Ion Ratio Lower Upper

173 100

175 48.3 24.3 73.0

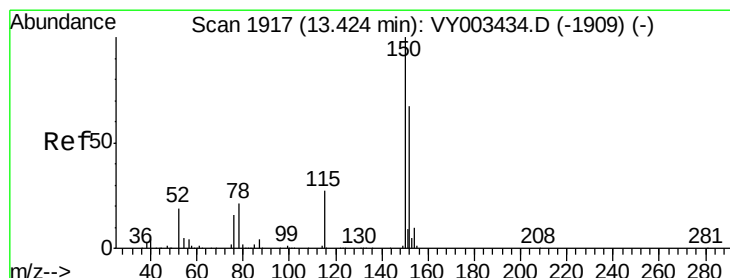
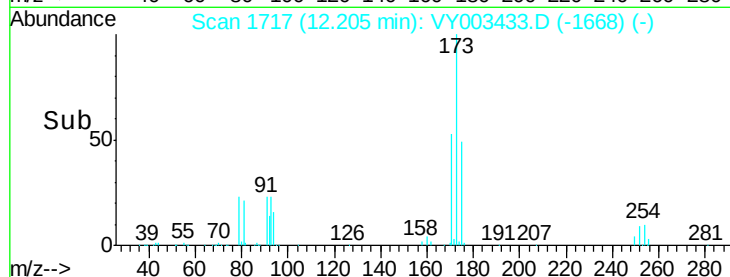
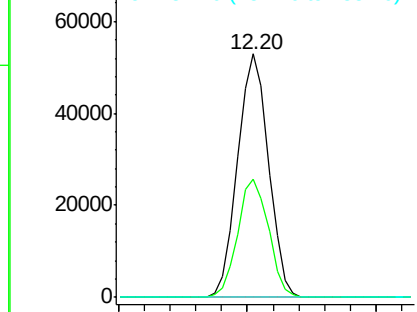
254 0.1 0.1 0.1#



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: VY003433.D

Acq: 04 Sep 2020 15:42

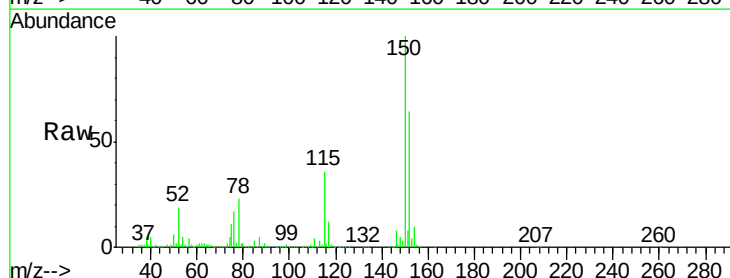
Tgt Ion:152 Resp: 477958

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.8

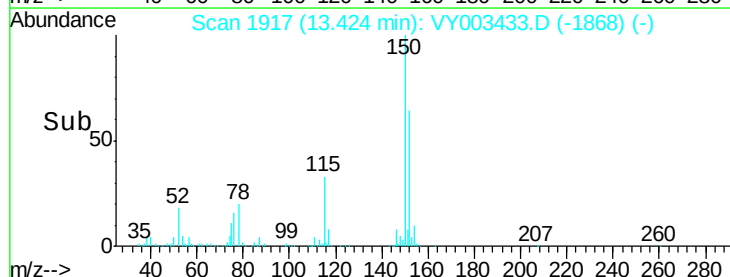
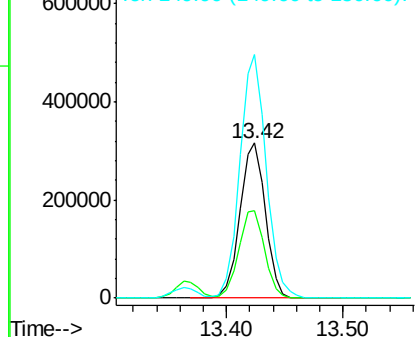
150 163.3 0.0 350.0

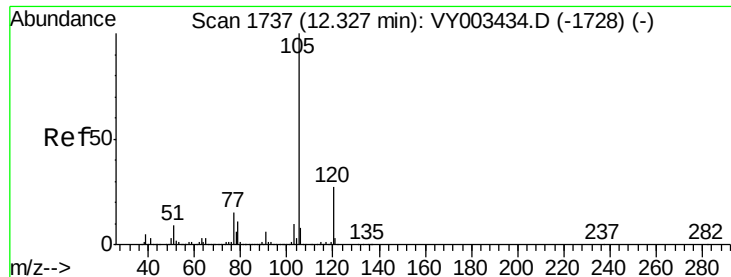


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.749 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

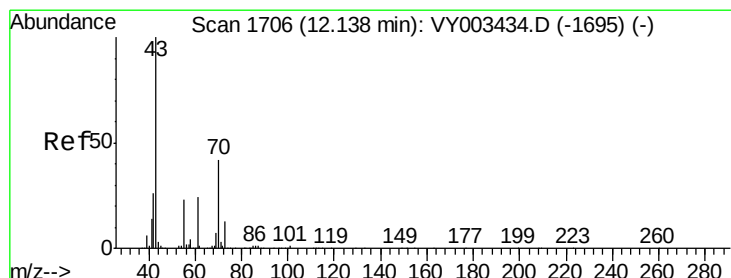
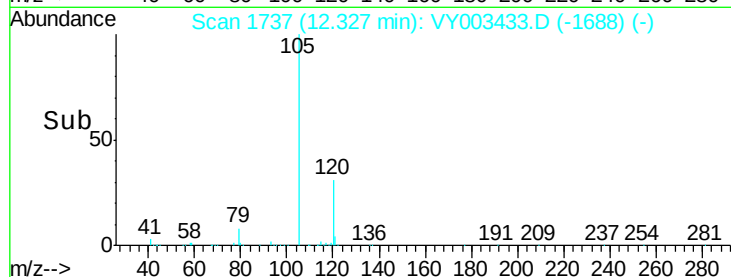
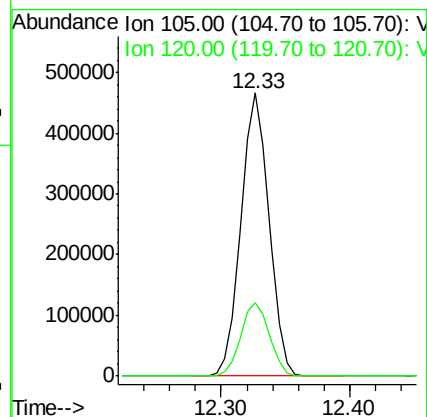
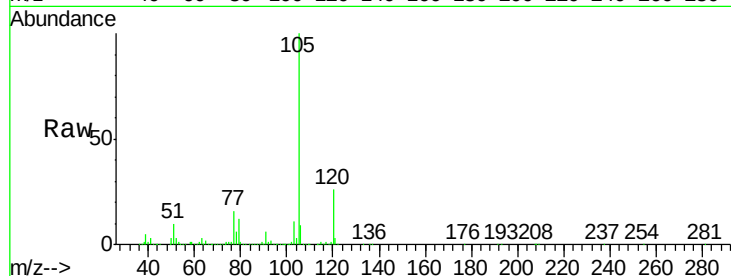
VSTDIC020

Tot Ion:105 Resp: 700837

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



#74

N-ethyl acetate

Concen: 20.556 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Tgt Ion: 43 Resp: 224949

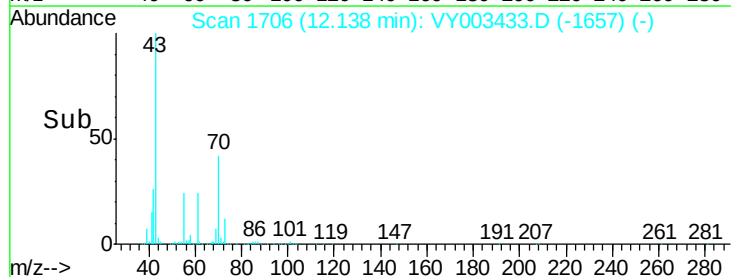
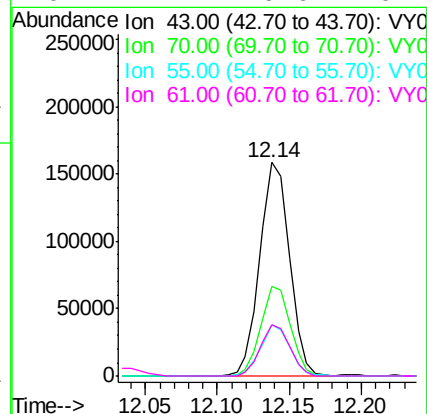
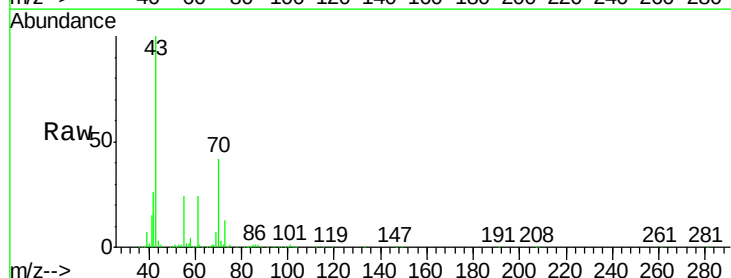
Ion Ratio Lower Upper

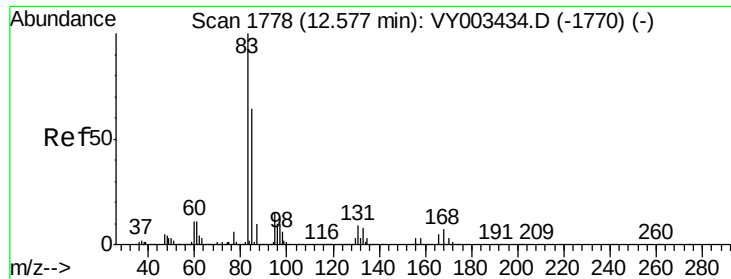
43 100

70 42.3 33.7 50.5

55 23.8 18.4 27.6

61 24.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.334 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

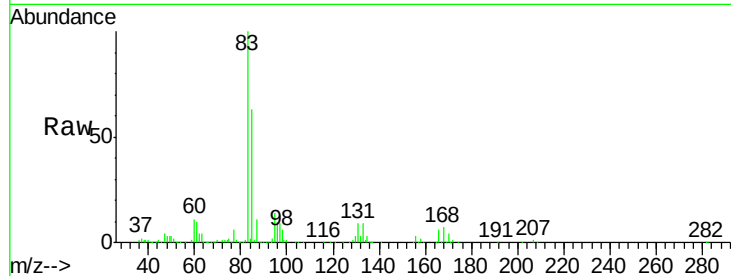
Tot Ion: 83 Resp: 146666

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

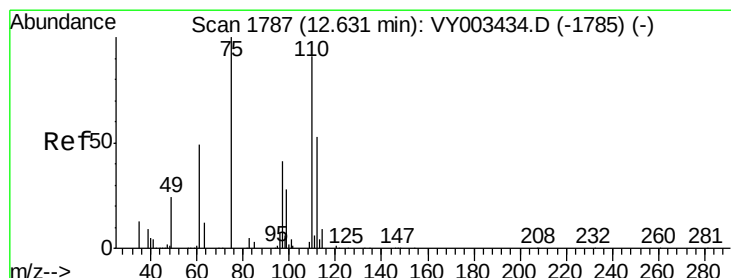
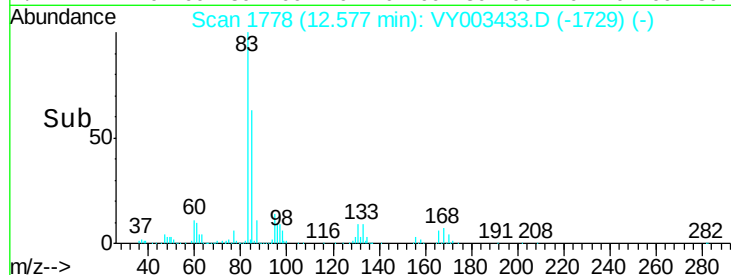
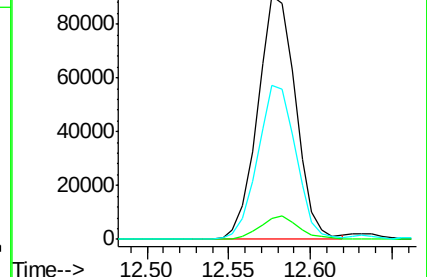
85 63.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY003433.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY003433.D (-1770) (-)

Ion 84.90 (84.60 to 85.60): VY003433.D (-1770) (-)



#76

1,2,3-Trichloropropane

Concen: 22.851 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY003433.D

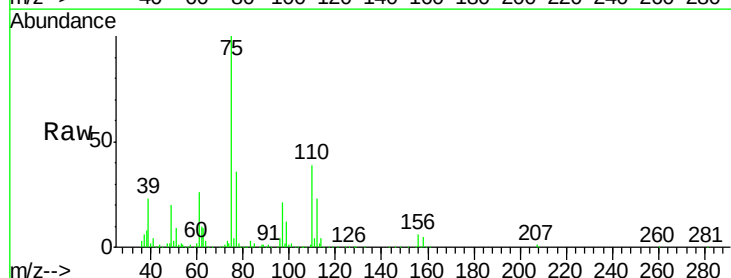
Acq: 04 Sep 2020 15:42

Tgt Ion: 75 Resp: 119888

Ion Ratio Lower Upper

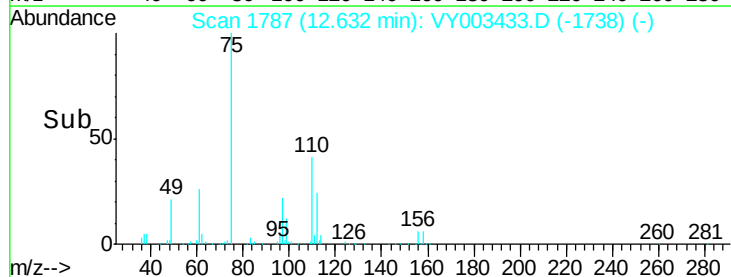
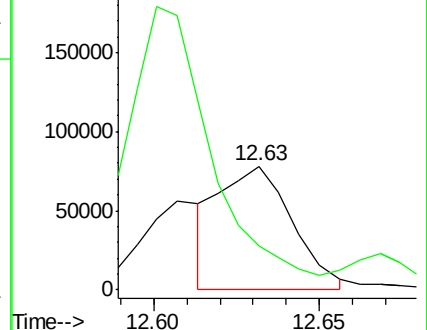
75 100

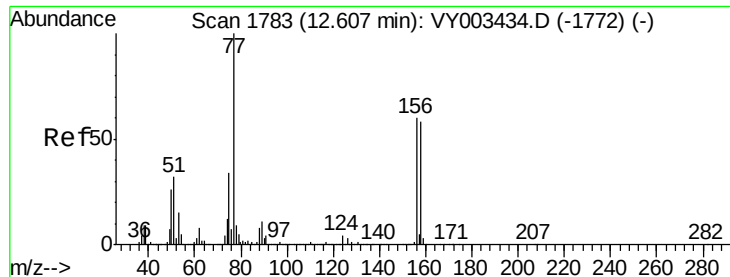
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY003433.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY003433.D (-1785) (-)





#77

Bromobenzene

Concen: 19.660 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

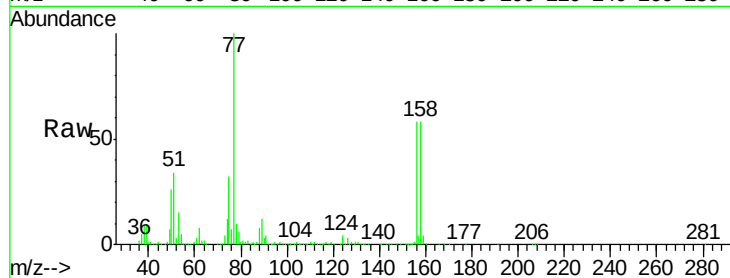
Tot Ion:156 Resp: 163945

Ion Ratio Lower Upper

156 100

77 196.1 96.7 290.1

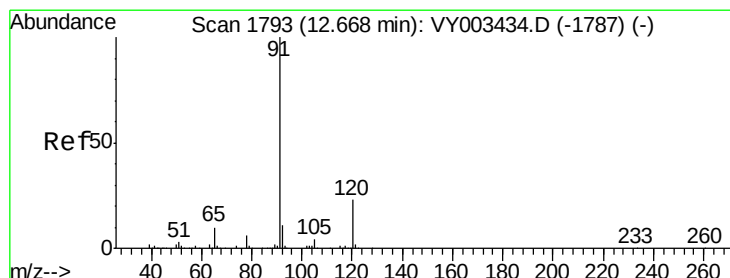
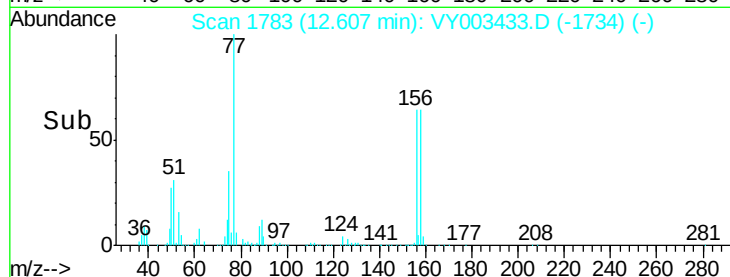
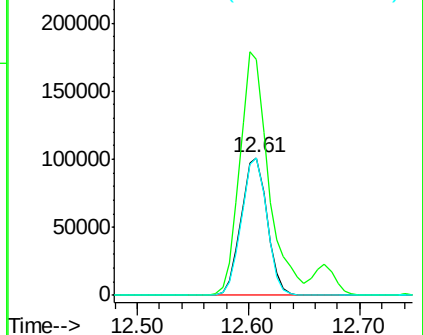
158 97.7 48.8 146.3



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: 19.707 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003433.D

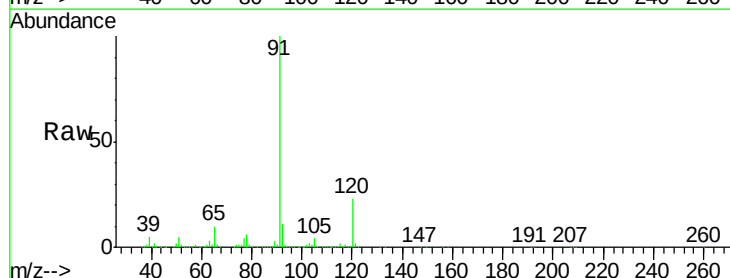
Acq: 04 Sep 2020 15:42

Tgt Ion: 91 Resp: 853487

Ion Ratio Lower Upper

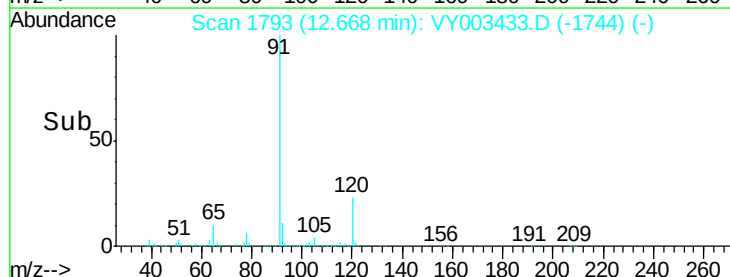
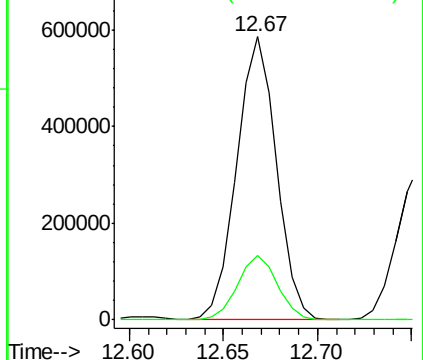
91 100

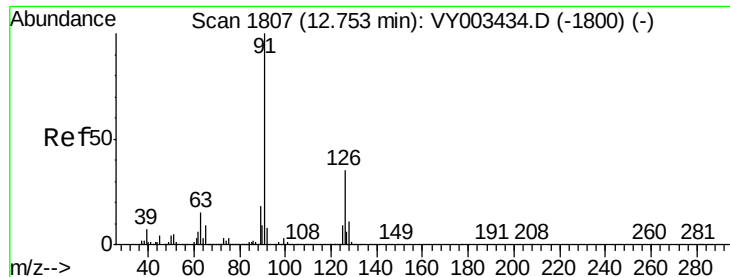
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.606 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

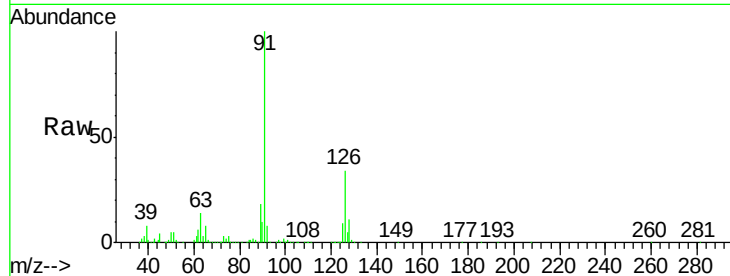
VSTDIC020

Tot Ion: 91 Resp: 466908

Ion Ratio Lower Upper

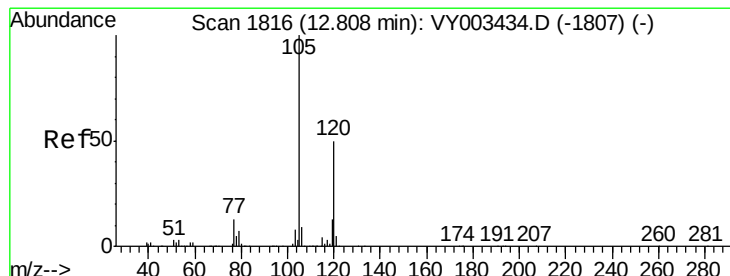
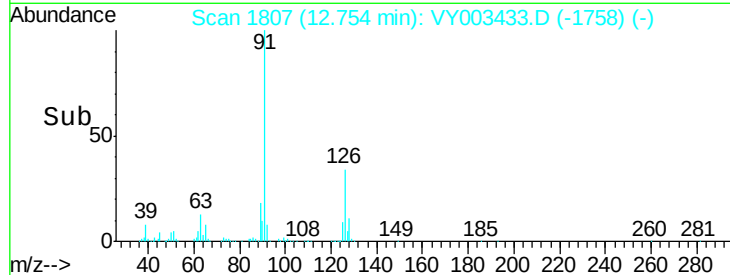
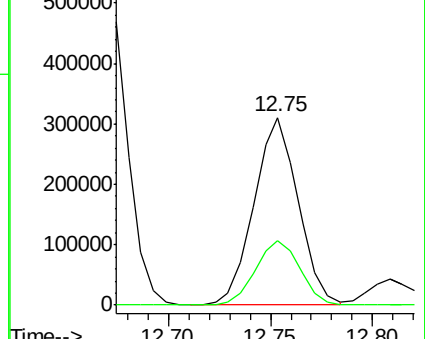
91 100

126 35.0 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: 19.836 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003433.D

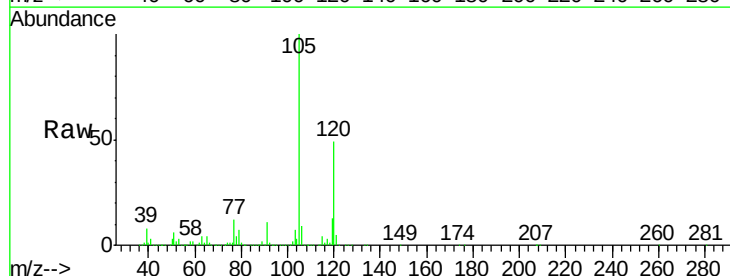
Acq: 04 Sep 2020 15:42

Tgt Ion: 105 Resp: 581955

Ion Ratio Lower Upper

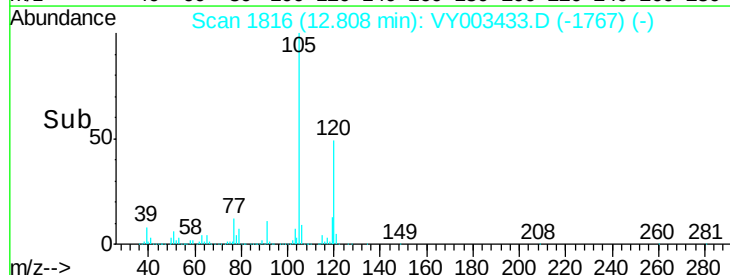
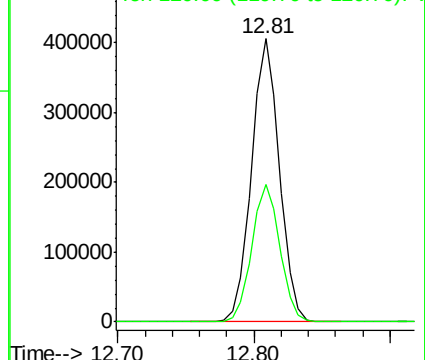
105 100

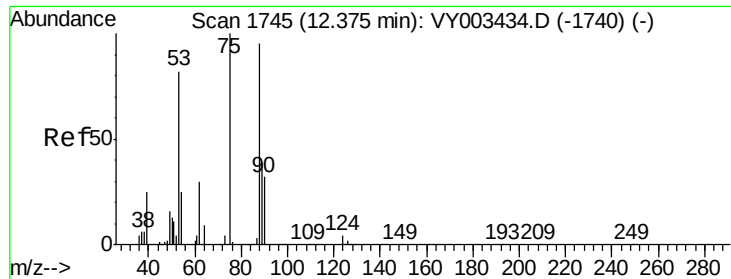
120 48.9 25.1 75.3



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: 20.205 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

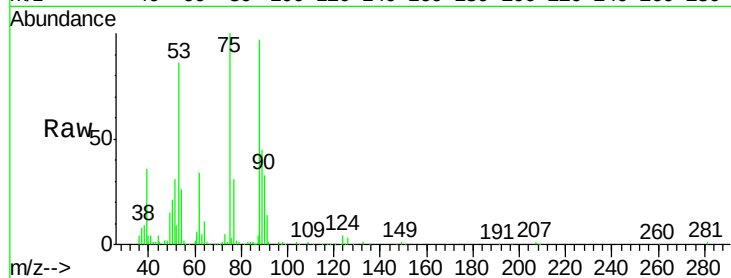
Tot Ion: 75 Resp: 54018

Ion Ratio Lower Upper

75 100

53 86.2 65.5 98.3

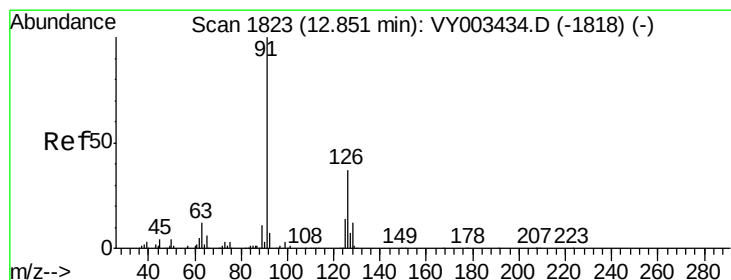
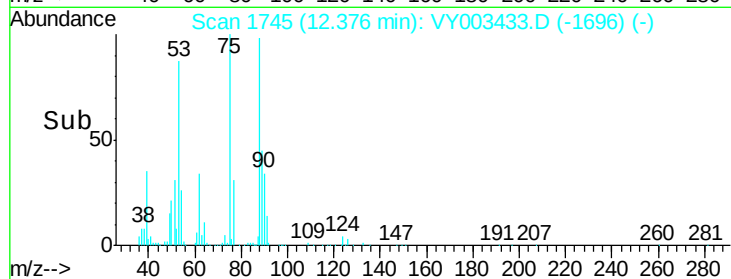
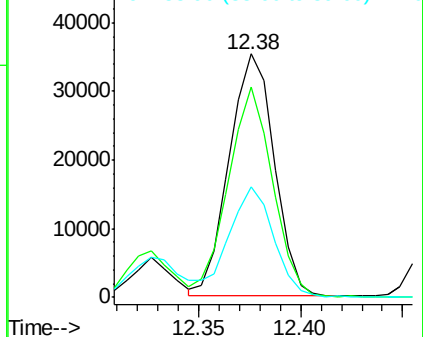
89 44.7 35.6 53.4



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: 19.710 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003433.D

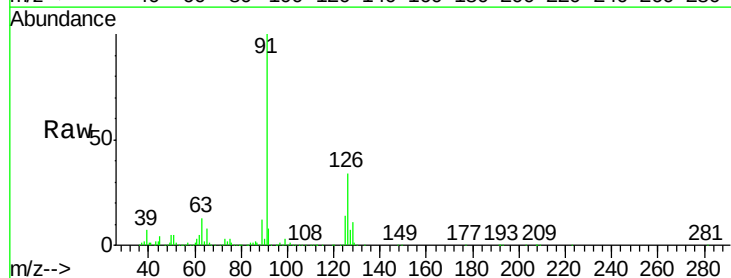
Acq: 04 Sep 2020 15:42

Tgt Ion: 91 Resp: 499853

Ion Ratio Lower Upper

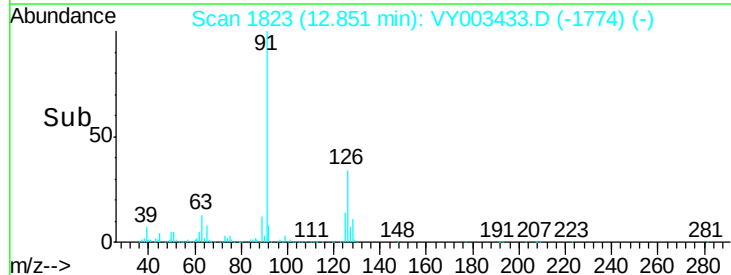
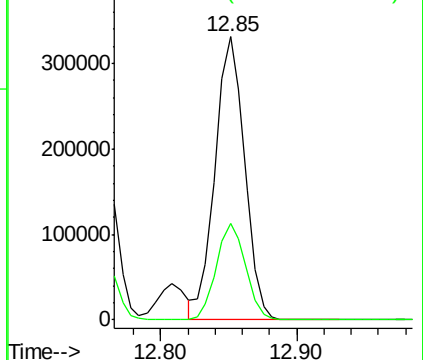
91 100

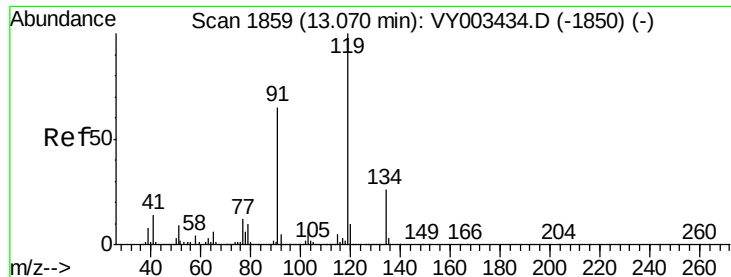
126 33.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.450 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

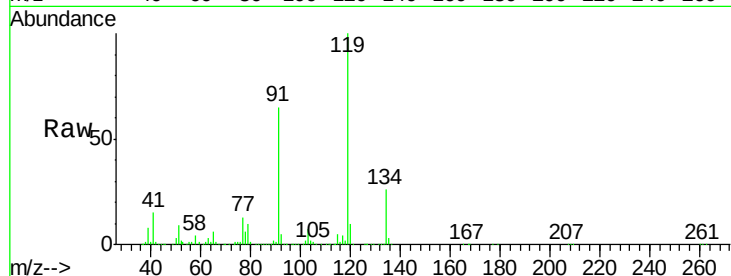
Tot Ion:119 Resp: 488928

Ion Ratio Lower Upper

119 100

91 64.9 32.4 97.0

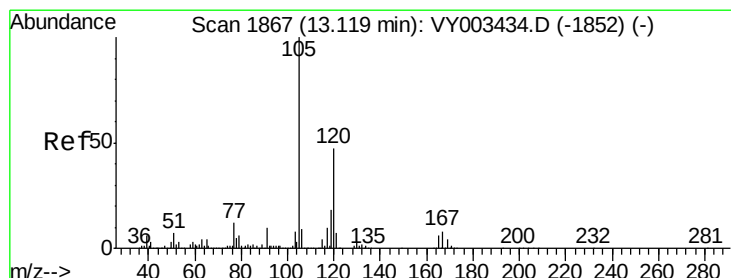
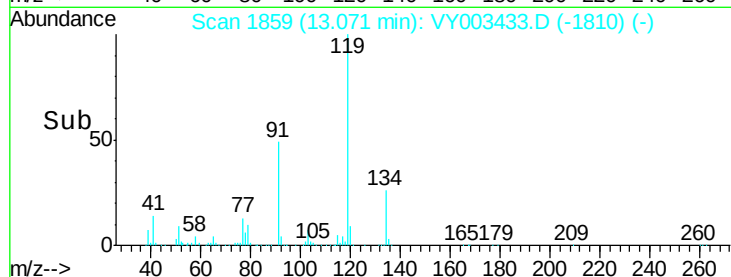
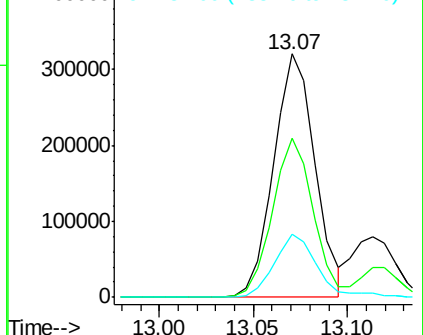
134 26.9 13.4 40.2



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: 19.885 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003433.D

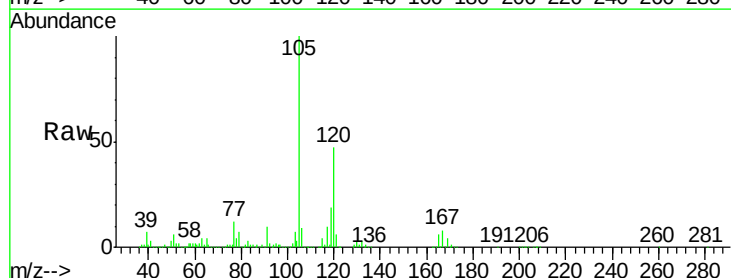
Acq: 04 Sep 2020 15:42

Tgt Ion:105 Resp: 588015

Ion Ratio Lower Upper

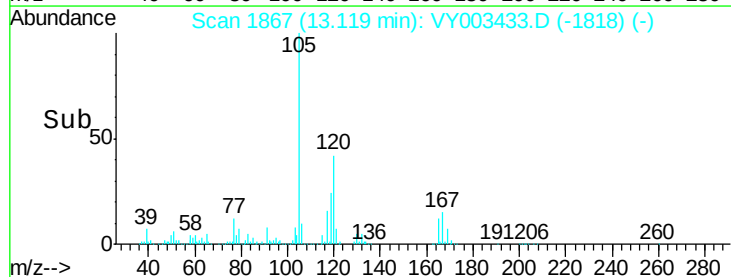
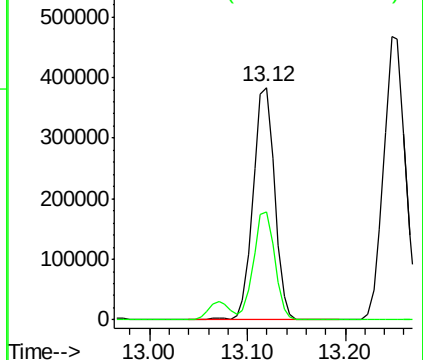
105 100

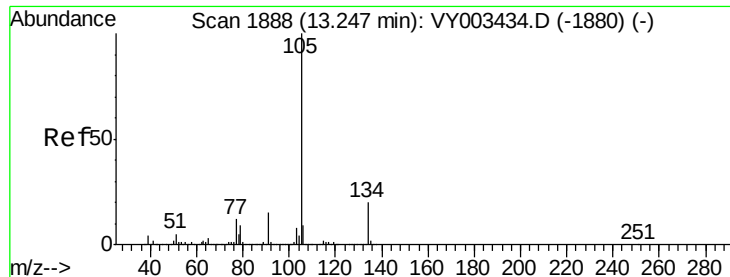
120 46.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.618 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

Instrument :

MSVOA_Y

ClientSampleId :

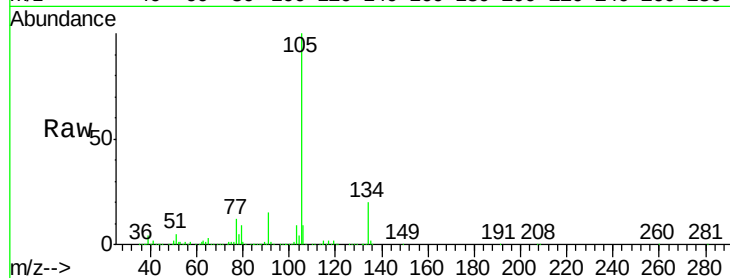
VSTDIC020

Tot Ion:105 Resp: 713493

Ion Ratio Lower Upper

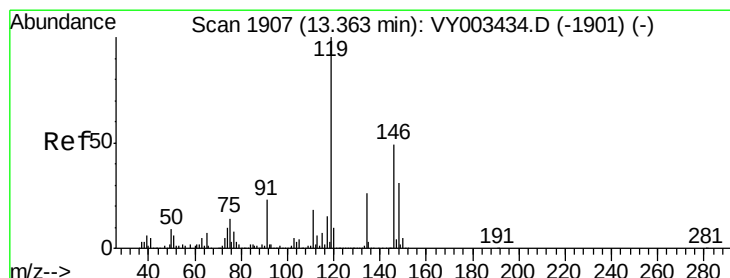
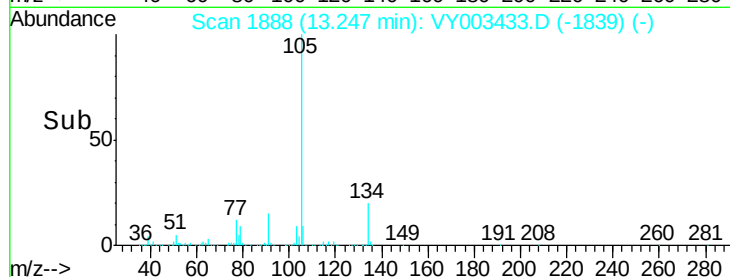
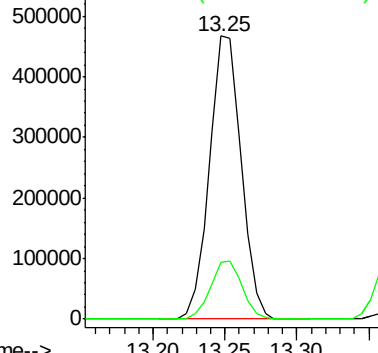
105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.856 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY003433.D

Acq: 04 Sep 2020 15:42

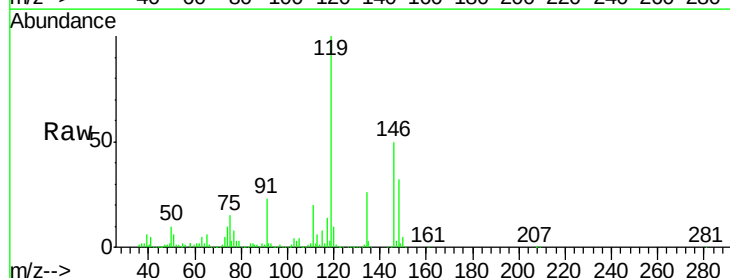
Tgt Ion:119 Resp: 642026

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

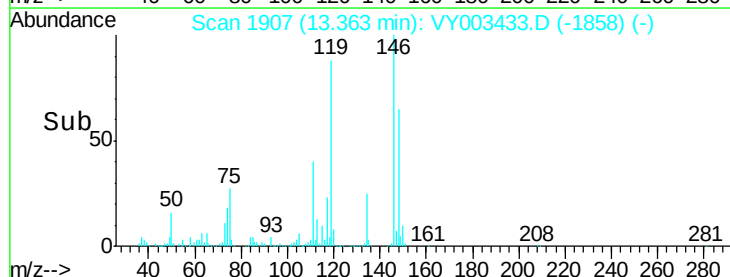
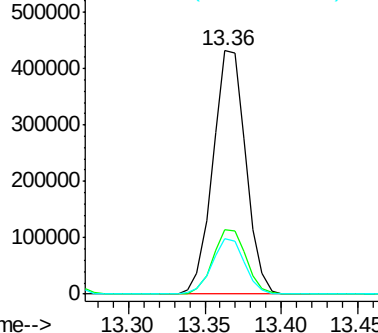
91 22.2 11.3 33.8

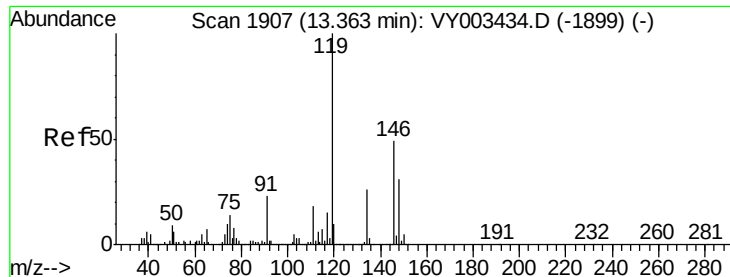


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

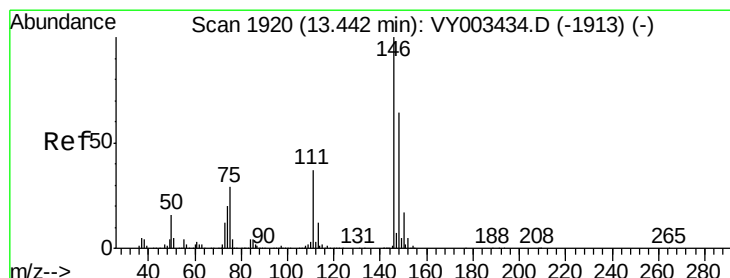
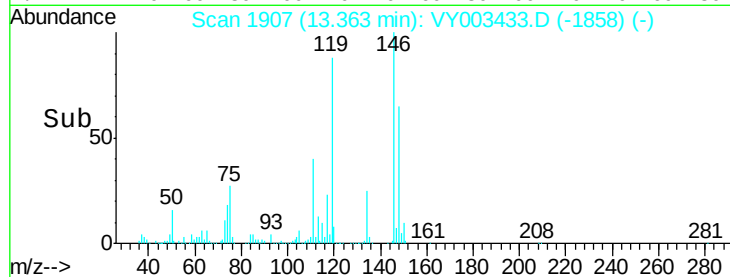
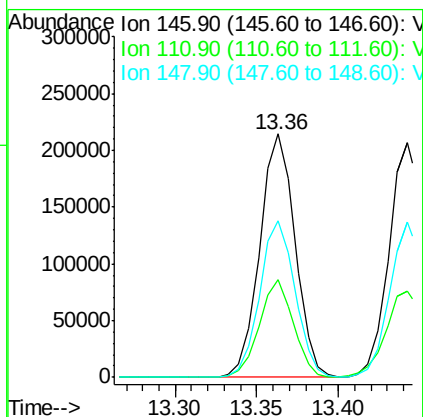
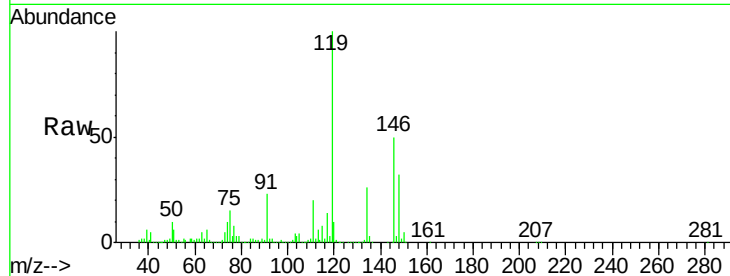




#87
 1,3-Dichlorobenzene
 Concen: 19.841 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

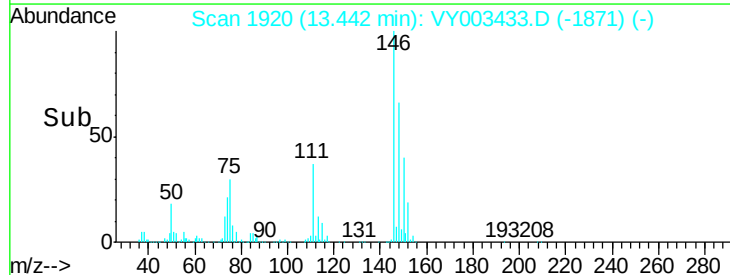
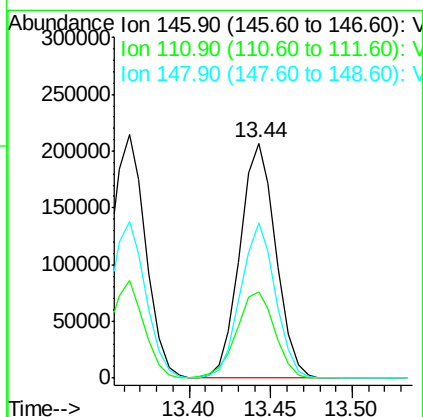
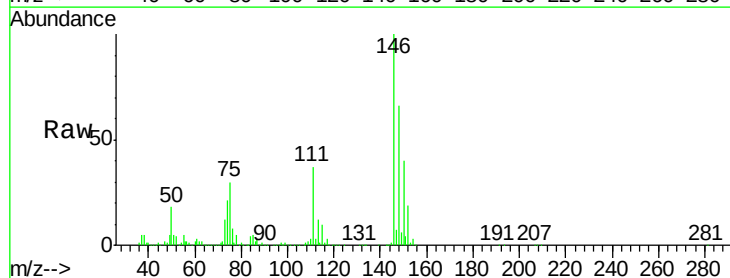
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

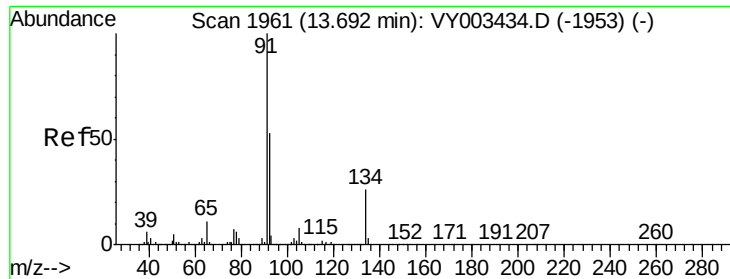
Tot Ion:146 Resp: 320707
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.1
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

Tgt Ion:146 Resp: 316762
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.1 57.3
 148 64.2 32.1 96.5

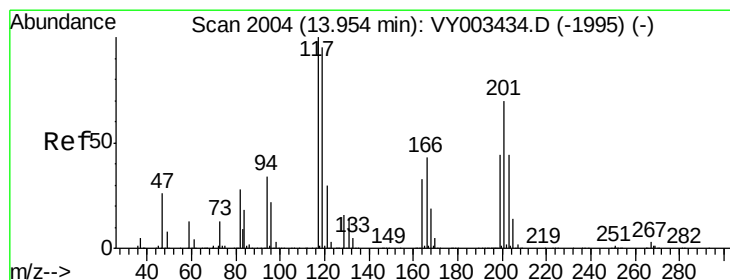
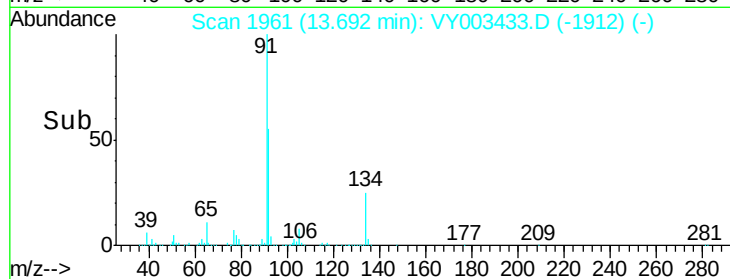
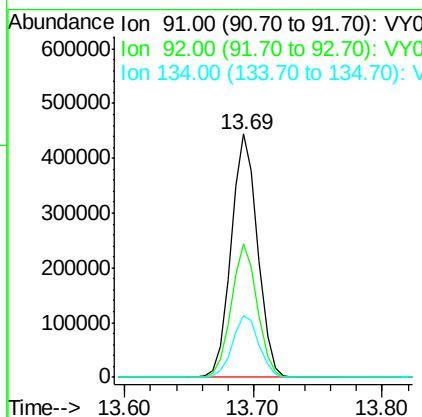
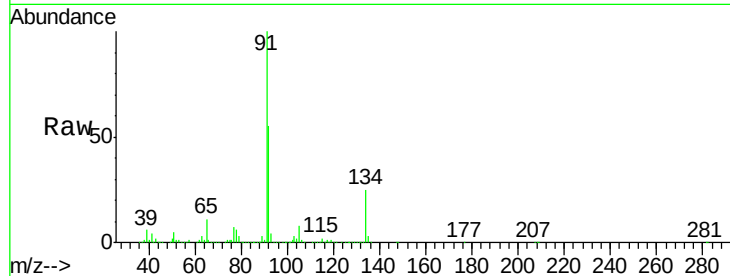




#89
n-Butylbenzene
Concen: 19.501 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

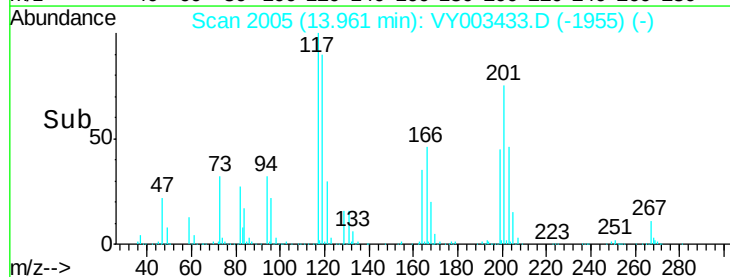
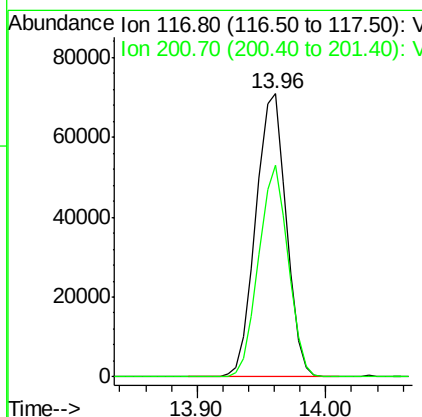
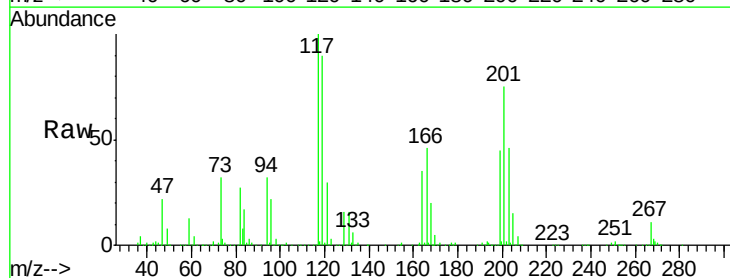
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

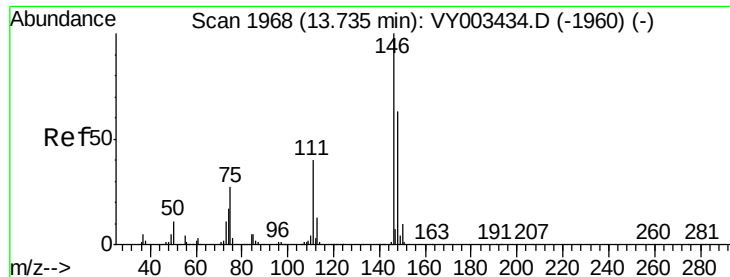
Tot Ion: 91 Resp: 633794
Ion Ratio Lower Upper
91 100
92 54.0 26.7 80.1
134 25.4 13.0 39.0



#90
Hexachloroethane
Concen: 19.705 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion: 117 Resp: 115802
Ion Ratio Lower Upper
117 100
201 72.4 36.9 110.7

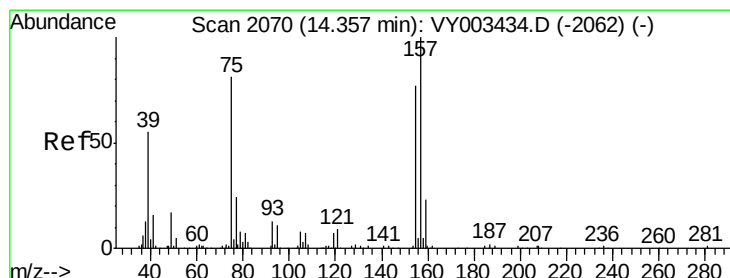
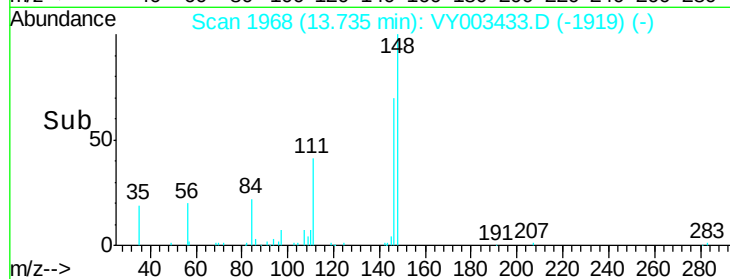
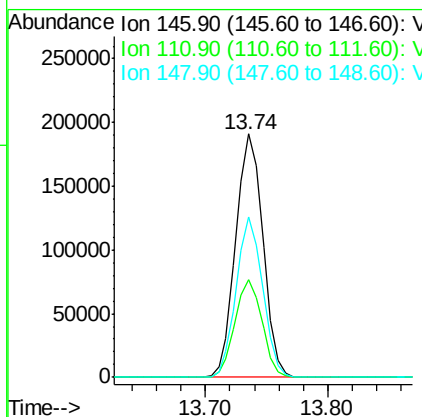
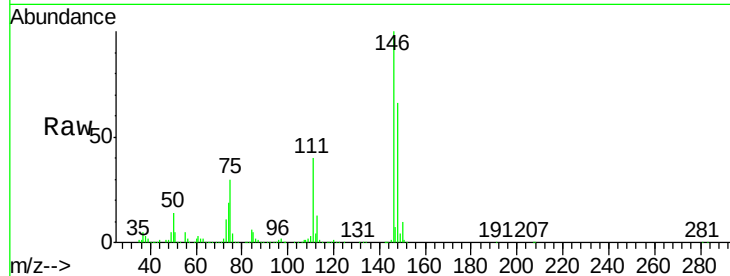




#91
 1,2-Dichlorobenzene
 Concen: 19.978 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

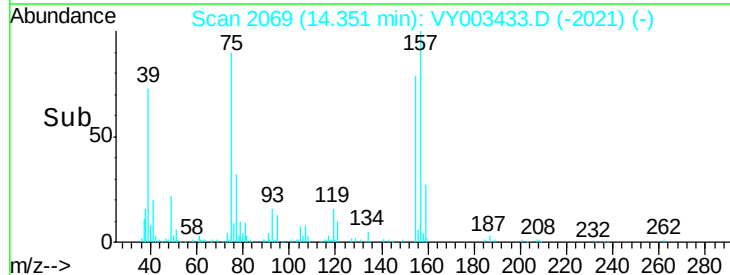
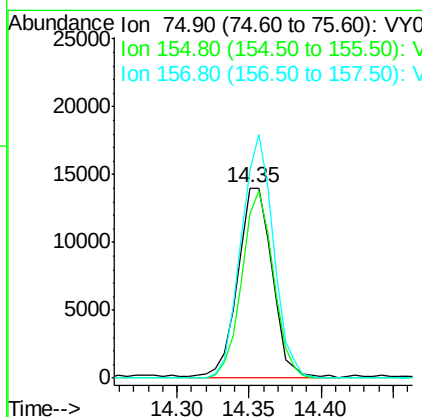
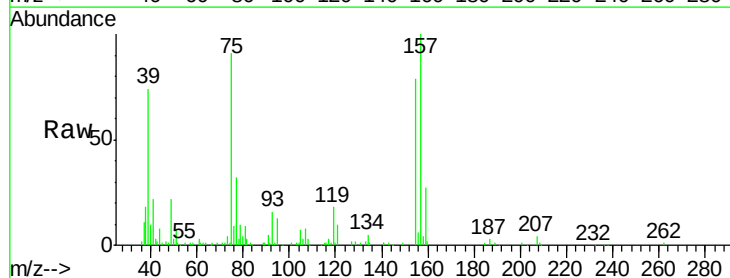
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

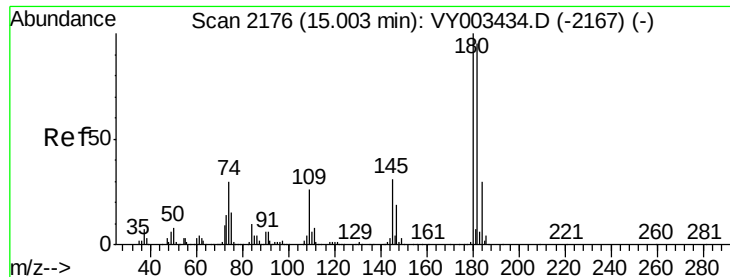
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	63.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.794 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	47.4	142.2
157	118.9	60.0	180.0

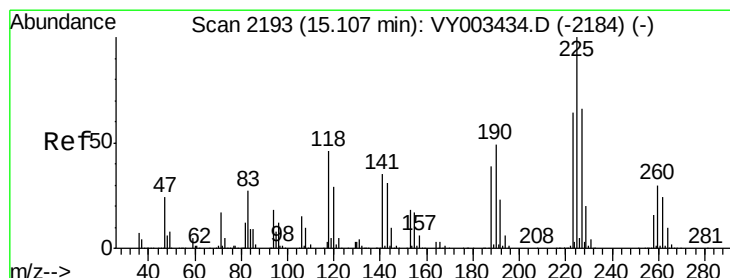
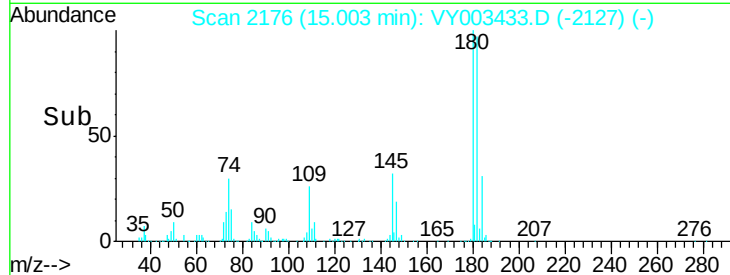
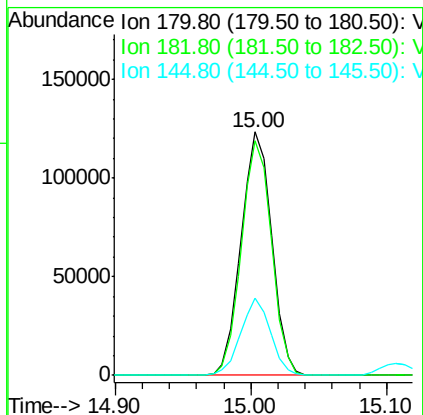
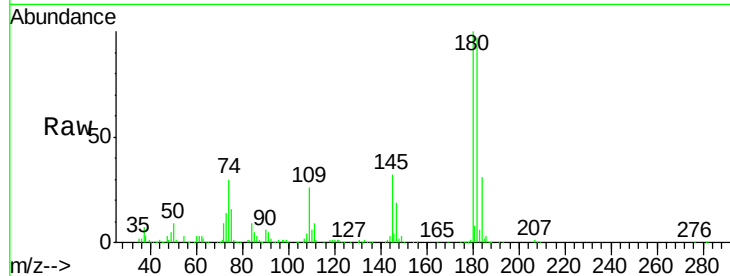




#93
 1,2,4-Trichlorobenzene
 Concen: 19.591 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

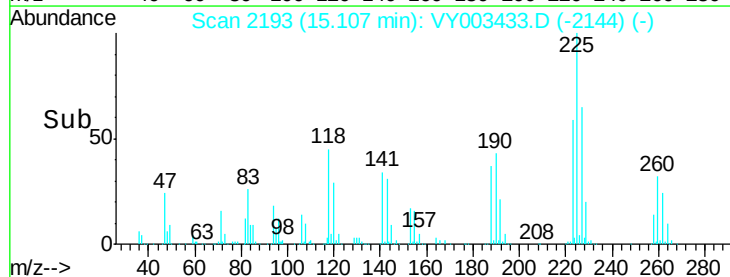
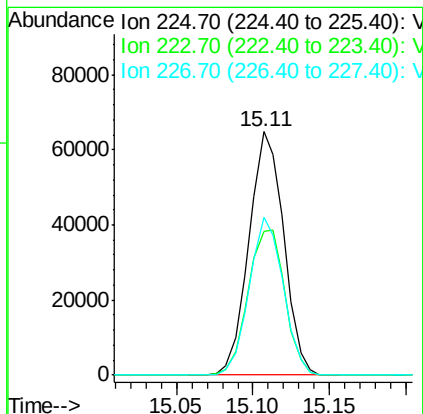
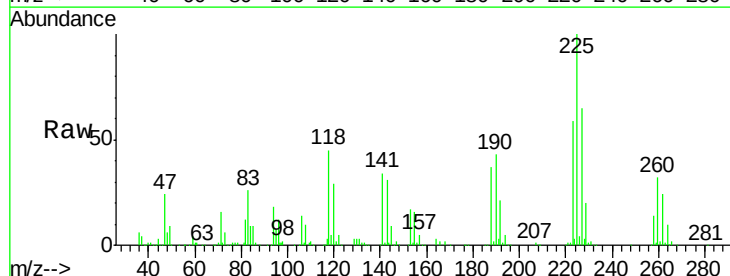
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

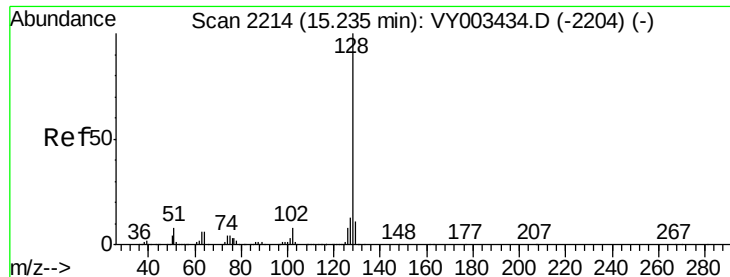
Tot Ion:180 Resp: 194964
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.5 142.6
 145 30.8 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 19.284 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY003433.D
 Acq: 04 Sep 2020 15:42

Tgt Ion:225 Resp: 102730
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.0 96.0
 227 63.4 32.2 96.6

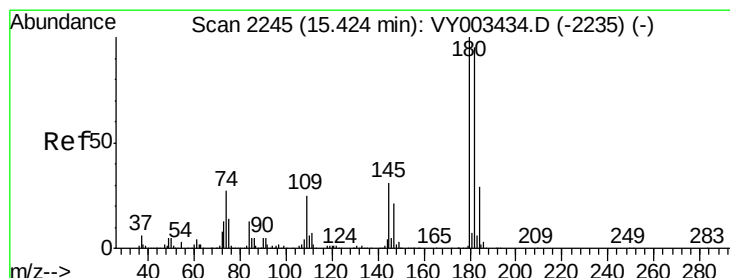
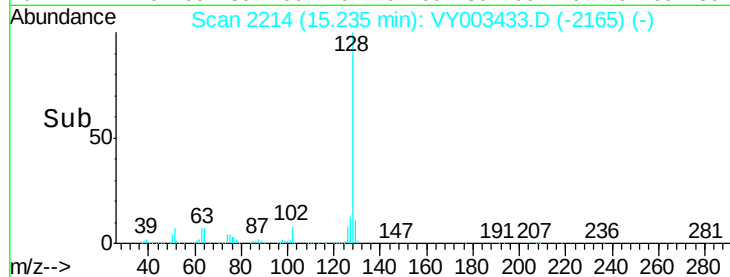
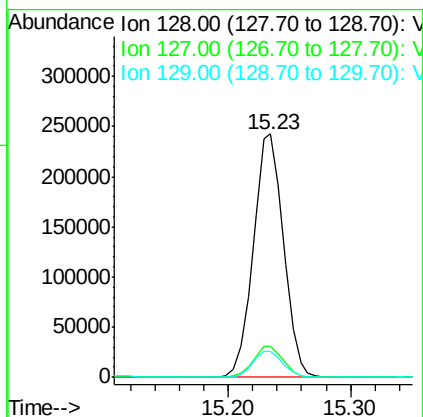
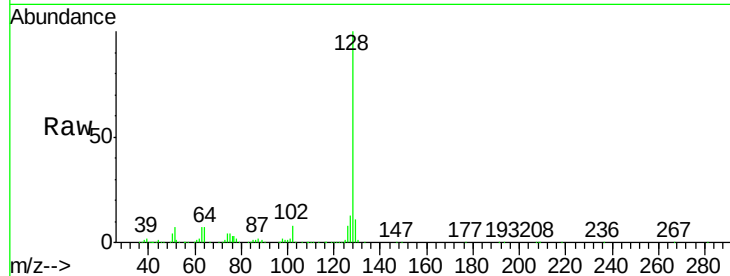




#95
Naphthalene
Concen: 20.103 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 417088
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.634 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY003433.D
Acq: 04 Sep 2020 15:42

Tgt Ion:180 Resp: 173562
Ion Ratio Lower Upper
180 100
182 93.9 47.0 141.2
145 31.1 15.9 47.7

