

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001594.D
 Acq On : 11 Feb 2020 11:37
 Operator : SY/MD
 Sample : VY0211SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 07:52:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	188707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	328693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	293544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	102839	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.74	113	97000	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.19	98	397291	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
62) 4-Bromofluorobenzene	12.49	95	144698	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	32507	17.598	ug/l	96
3) Chloromethane	2.13	50	42913	22.227	ug/l	95
4) Vinyl Chloride	2.27	62	44656	22.276	ug/l	100
5) Bromomethane	2.66	94	30242	23.987	ug/l	98
6) Chloroethane	2.80	64	28721	23.769	ug/l	93
7) Trichlorofluoromethane	3.14	101	60408	18.205	ug/l	96
8) Diethyl Ether	3.55	74	22945	20.491	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.92	101	38855	19.461	ug/l	97
10) Methyl Iodide	4.11	142	43850	17.237	ug/l	98
11) Tert butyl alcohol	4.99	59	26390	103.729	ug/l #	88
12) 1,1-Dichloroethene	3.90	96	38488	19.399	ug/l	96
13) Acrolein	3.75	56	17975	99.912	ug/l	98
14) Allyl chloride	4.51	41	67620	22.280	ug/l	95
15) Acrylonitrile	5.20	53	58229	113.433	ug/l	98
16) Acetone	3.97	43	57785	105.141	ug/l	96
17) Carbon Disulfide	4.22	76	121983	19.313	ug/l	99
18) Methyl Acetate	4.51	43	28946	24.681	ug/l	93
19) Methyl tert-butyl Ether	5.25	73	104146	19.739	ug/l	98
20) Methylene Chloride	4.74	84	46173	18.476	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	42701	19.360	ug/l	97
22) Diisopropyl ether	6.15	45	134303	22.335	ug/l	97
23) Vinyl Acetate	6.09	43	434910	113.616	ug/l	96
24) 1,1-Dichloroethane	6.05	63	73361	20.283	ug/l	98
25) 2-Butanone	7.02	43	82938	116.320	ug/l	91
26) 2,2-Dichloropropane	7.01	77	65565	18.941	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	48129	19.979	ug/l	98
28) Bromochloromethane	7.36	49	27006	21.918	ug/l	90
29) Tetrahydrofuran	7.38	42	51797	121.202	ug/l	95
30) Chloroform	7.53	83	70053	19.121	ug/l	98
31) Cyclohexane	7.81	56	76746	20.744	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	60954	18.351	ug/l	96
36) 1,1-Dichloropropene	7.94	75	58914	19.593	ug/l	99
37) Ethyl Acetate	7.10	43	35170	24.161	ug/l	97
38) Carbon Tetrachloride	7.93	117	52408	18.015	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	78412	19.805	ug/l	100
40) Benzene	8.19	78	177049	20.643	ug/l	98
41) Methacrylonitrile	7.37	41	47780	70.823	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	47453	19.859	ug/l	99
43) Isopropyl Acetate	8.29	43	67416	23.391	ug/l	94
44) Trichloroethene	8.96	130	43718	18.911	ug/l	98
45) 1,2-Dichloropropane	9.24	63	43528	21.017	ug/l	95
46) Dibromomethane	9.32	93	22801	19.606	ug/l	98
47) Bromodichloromethane	9.52	83	54795	19.338	ug/l	99
48) Methyl methacrylate	9.31	41	30078	22.994	ug/l	93
49) 1,4-Dioxane	9.32	88	6492	422.696	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	171853	121.079	ug/l	94
52) Toluene	10.26	92	108927	20.016	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	58962	19.105	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	69919	19.733	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	33843	20.283	ug/l	98
56) Ethyl methacrylate	10.52	69	50221	21.161	ug/l	94
57) 1,3-Dichloropropane	10.80	76	59140	20.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	93689	107.312	ug/l	96
59) 2-Hexanone	10.85	43	125724	121.827	ug/l	95
60) Dibromochloromethane	11.00	129	36716	18.668	ug/l	98
61) 1,2-Dibromoethane	11.10	107	32090	19.526	ug/l	99
64) Tetrachloroethene	10.73	164	38116	19.800	ug/l	98
65) Chlorobenzene	11.53	112	113783	19.741	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	39269	19.467	ug/l	97
67) Ethyl Benzene	11.61	91	208128	19.530	ug/l	100
68) m/p-Xylenes	11.72	106	159453	39.857	ug/l	97
69) o-Xylene	12.04	106	74517	19.755	ug/l	99
70) Styrene	12.06	104	131592	20.173	ug/l	98
71) Bromoform	12.22	173	22016	19.600	ug/l #	100
73) Isopropylbenzene	12.34	105	203367	18.919	ug/l	100
74) N-amyl acetate	12.16	43	63667	22.794	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	41775	20.455	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	55149	36.386	ug/l #	100
77) Bromobenzene	12.62	156	43954	18.895	ug/l	96
78) n-propylbenzene	12.68	91	249393	19.380	ug/l	99
79) 2-Chlorotoluene	12.77	91	137063	18.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	170562	18.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14950	19.086	ug/l	89
82) 4-Chlorotoluene	12.86	91	145556	18.926	ug/l	99
83) tert-Butylbenzene	13.09	119	144183	18.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	168992	18.861	ug/l	99
85) sec-Butylbenzene	13.27	105	207059	19.246	ug/l	99
86) p-Isopropyltoluene	13.38	119	182775	19.279	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	87336	19.591	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	88314	19.774	ug/l	99
89) n-Butylbenzene	13.70	91	184038	19.674	ug/l	100
90) Hexachloroethane	13.97	117	34270	18.833	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	79932	19.785	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7151	18.967	ug/l	98

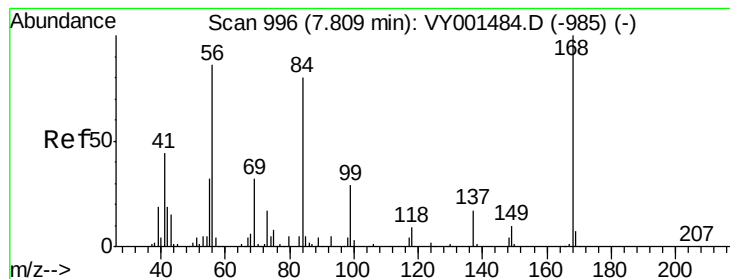
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	53058	19.489	ug/l	99
94) Hexachlorobutadiene	15.13	225	26708	19.329	ug/l	98
95) Naphthalene	15.25	128	117990	18.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	46889	19.511	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

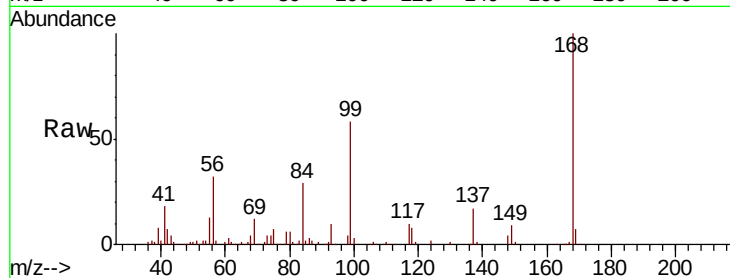
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 188707

Ion Ratio Lower Upper

168 100

99 57.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001594.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001594.D (-947) (-)

7.82

80000

60000

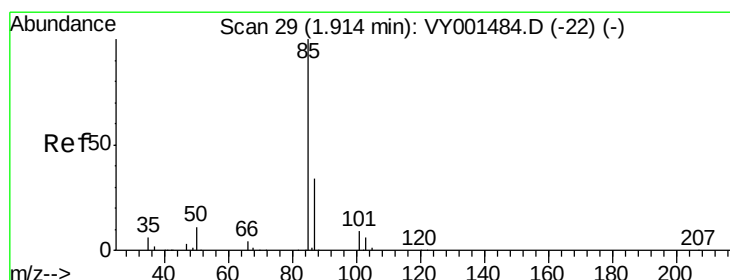
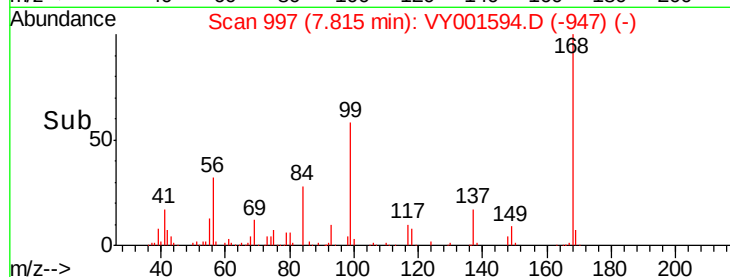
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.598 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001594.D

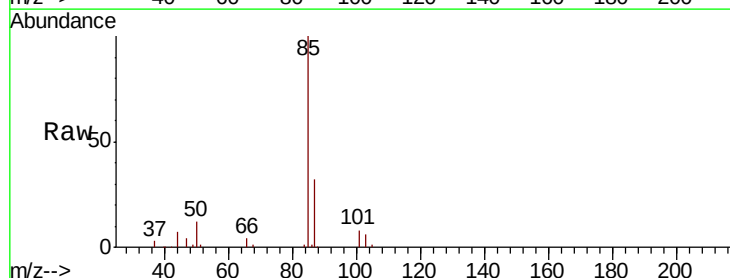
Acq: 11 Feb 2020 11:37

Tgt Ion: 85 Resp: 32507

Ion Ratio Lower Upper

85 100

87 31.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001594.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001594.D (-1) (-)

1.91

25000

20000

15000

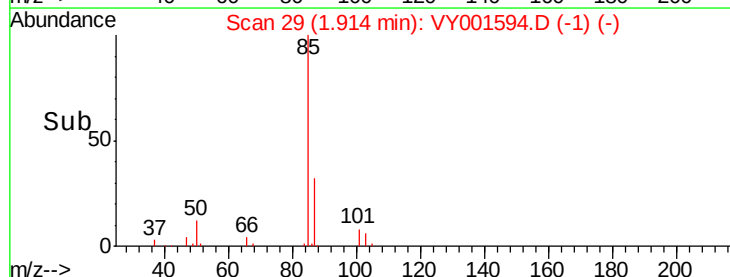
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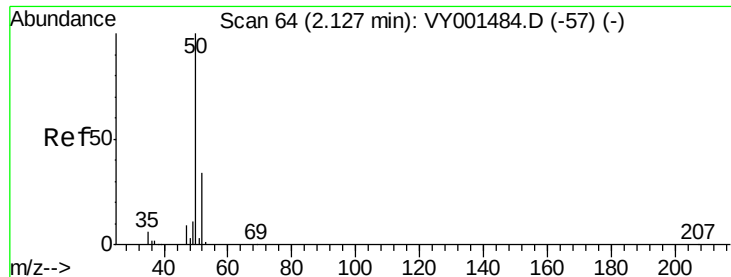
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.227 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

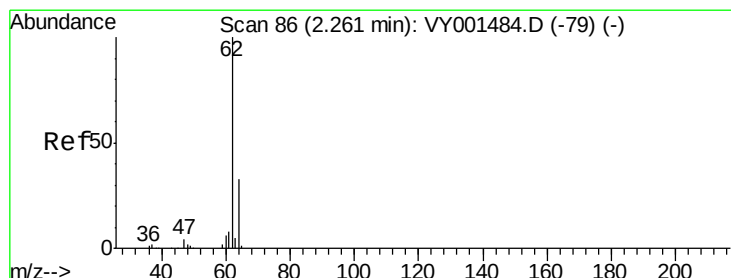
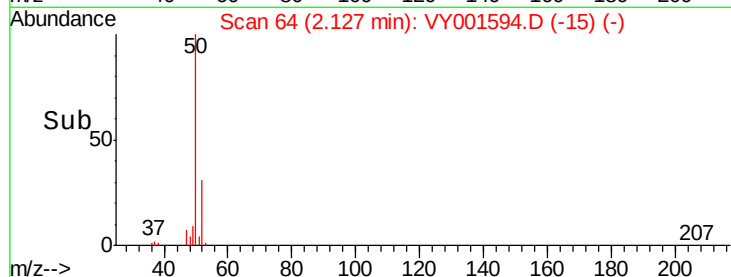
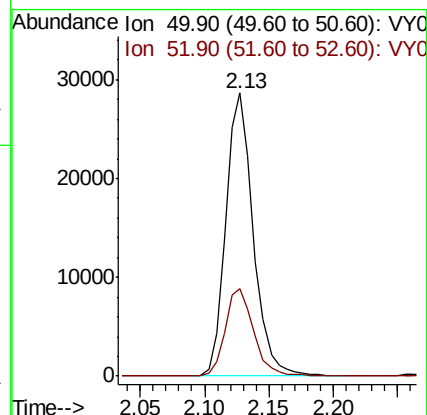
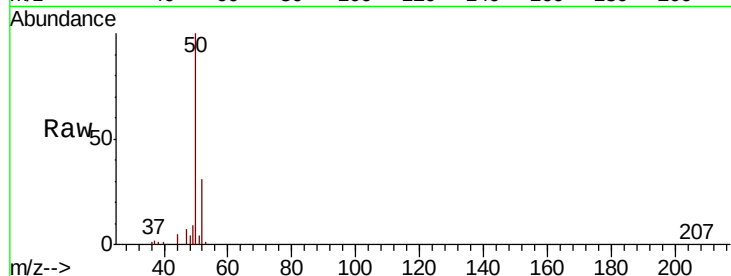
ClientSampleId :

Tot Ion: 50 Resp: 42913

Ion Ratio Lower Upper

50 100

52 31.1 27.3 40.9



#4

Vinyl Chloride

Concen: 22.276 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001594.D

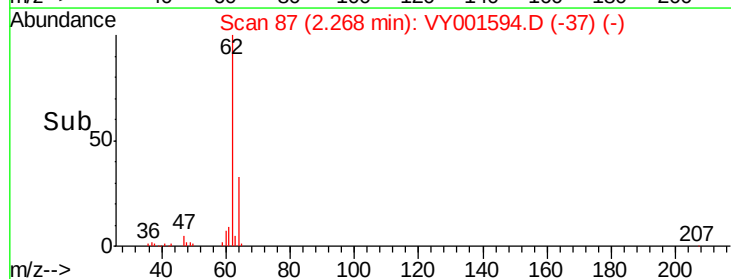
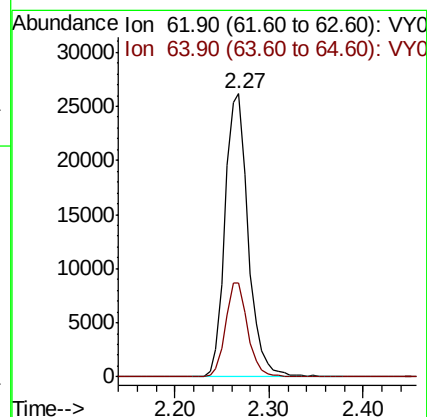
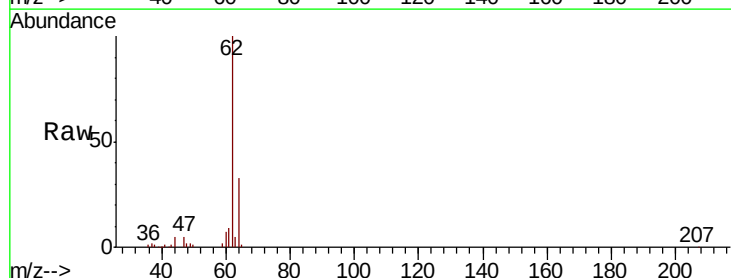
Acq: 11 Feb 2020 11:37

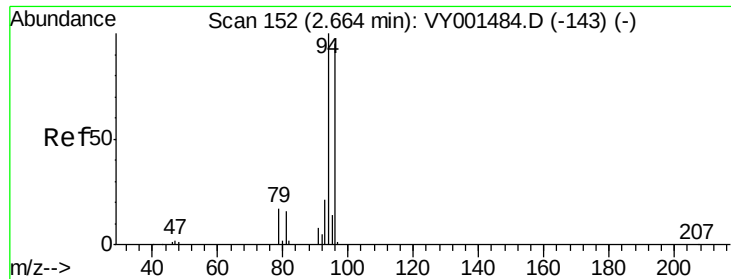
Tgt Ion: 62 Resp: 44656

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6





#5

Bromomethane

Concen: 23.987 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

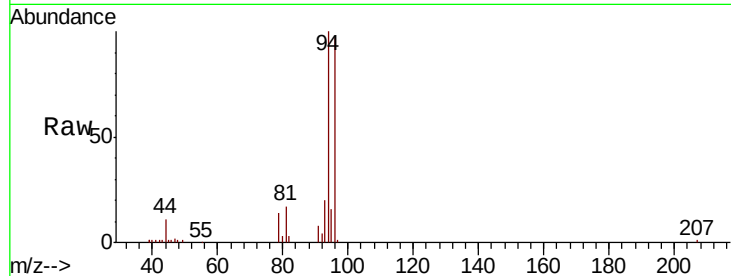
ClientSampleId :

Tot Ion: 94 Resp: 30242

Ion Ratio Lower Upper

94 100

96 97.3 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

15000

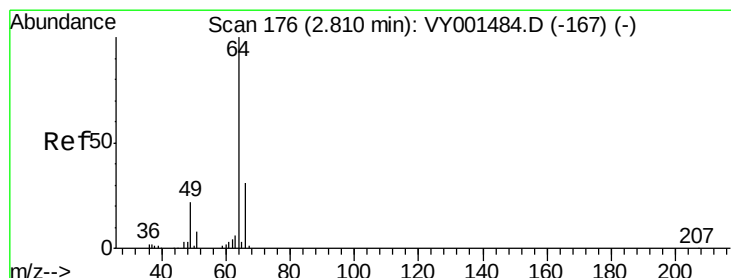
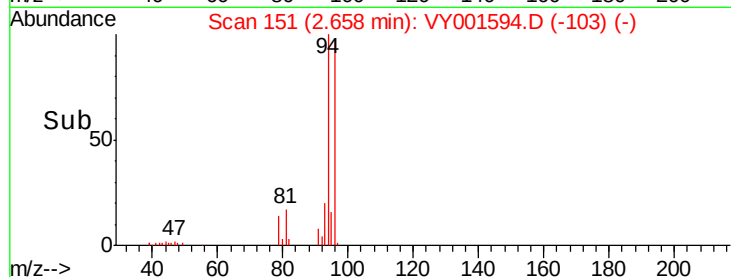
10000

5000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 23.769 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001594.D

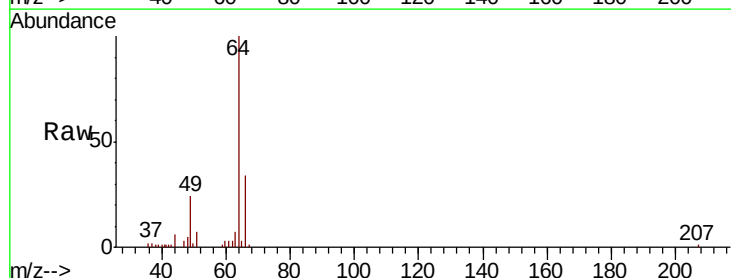
Acq: 11 Feb 2020 11:37

Tgt Ion: 64 Resp: 28721

Ion Ratio Lower Upper

64 100

66 34.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

15000

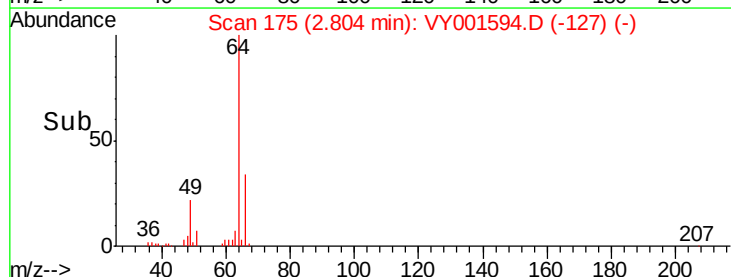
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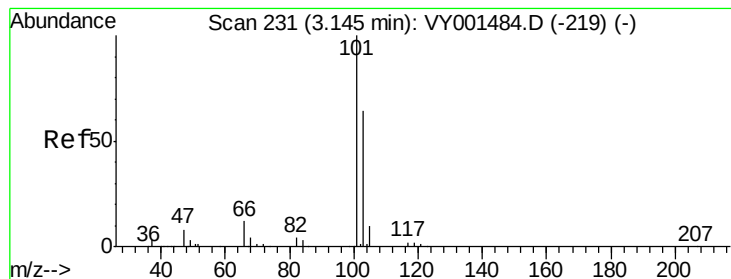
5000

0

Time-->

2.70 2.80 2.90



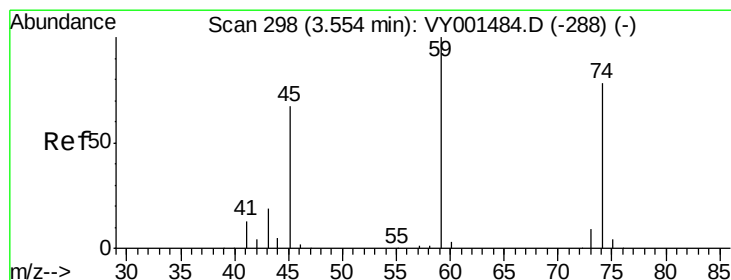
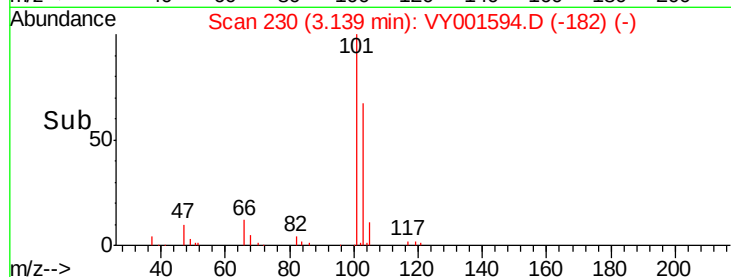
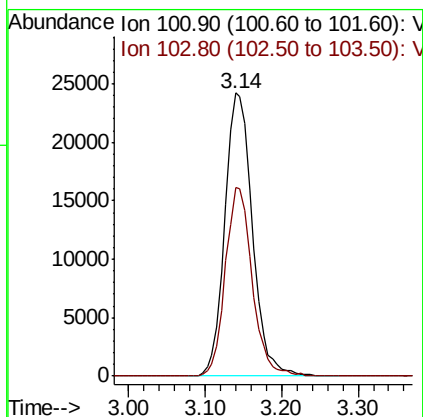
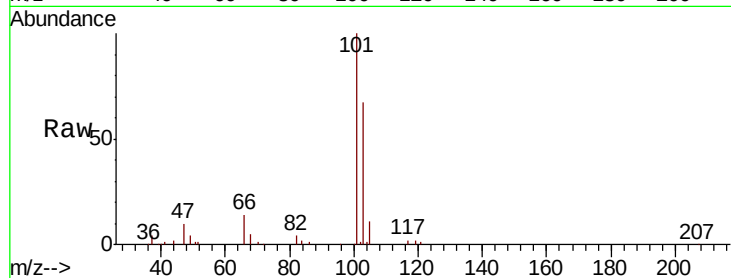


#7

Trichlorofluoromethane
Concen: 18.205 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

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MSVOA_Y
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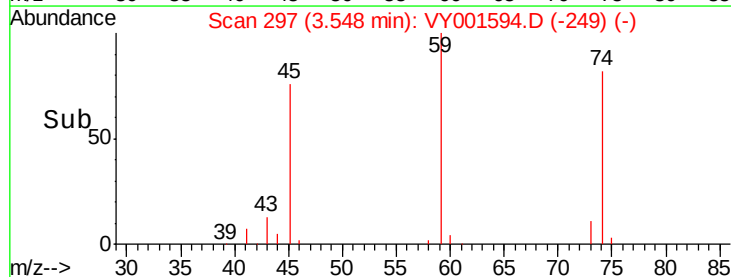
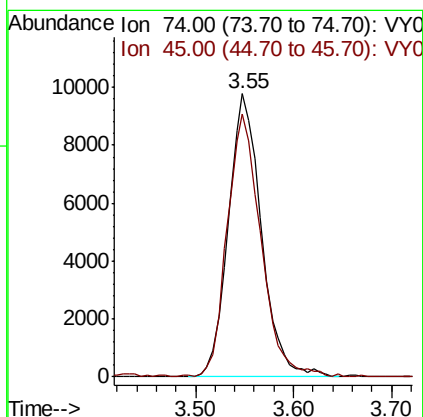
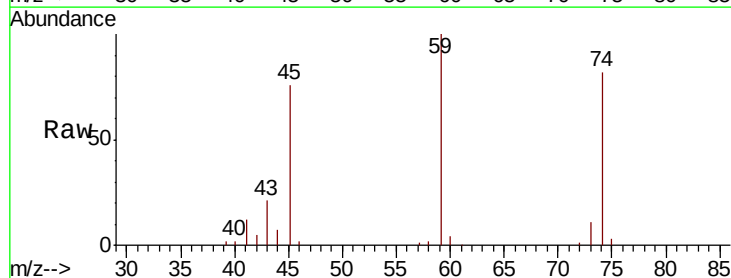
Tot Ion:101 Resp: 60408
Ion Ratio Lower Upper
101 100
103 66.6 50.9 76.3

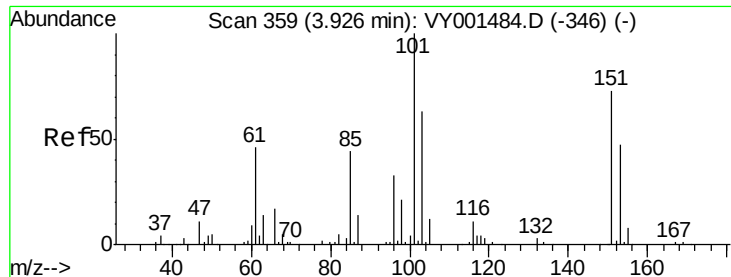


#8

Diethyl Ether
Concen: 20.491 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 74 Resp: 22945
Ion Ratio Lower Upper
74 100
45 94.9 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.461 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampled :

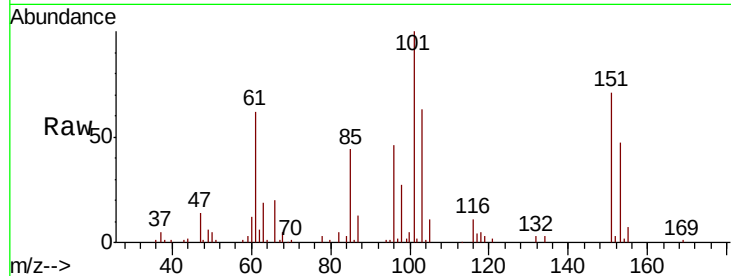
Tot Ion:101 Resp: 38855

Ion Ratio Lower Upper

101 100

85 45.7 34.6 51.8

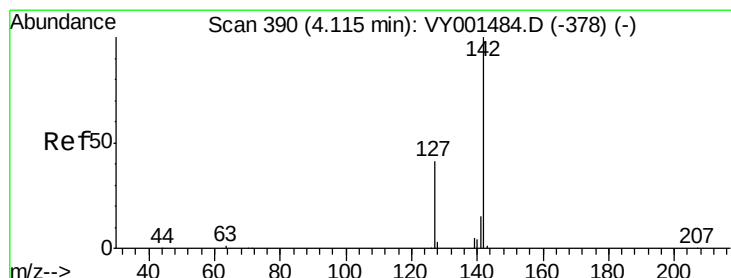
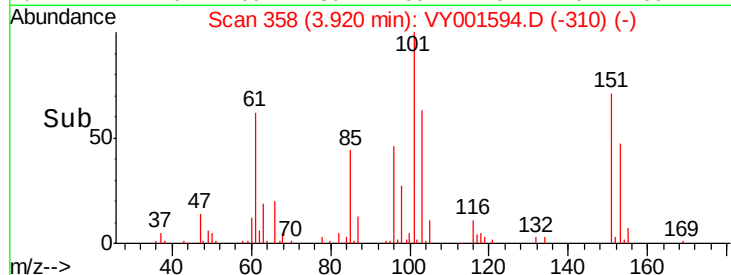
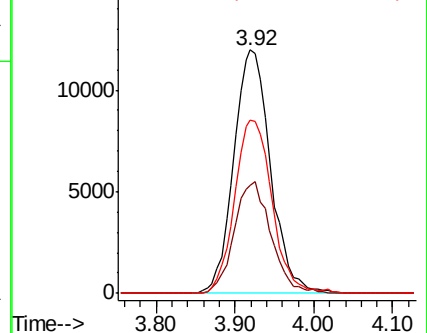
151 72.6 60.3 90.5



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: 17.237 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

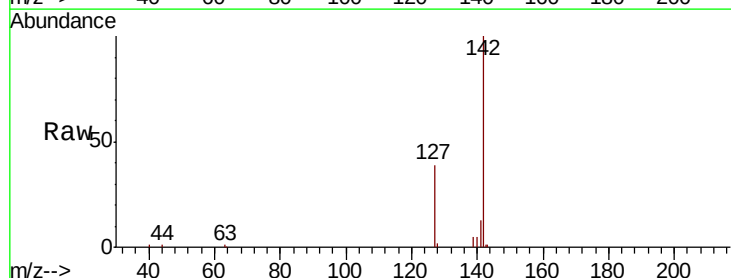
Tgt Ion:142 Resp: 43850

Ion Ratio Lower Upper

142 100

127 40.2 33.3 49.9

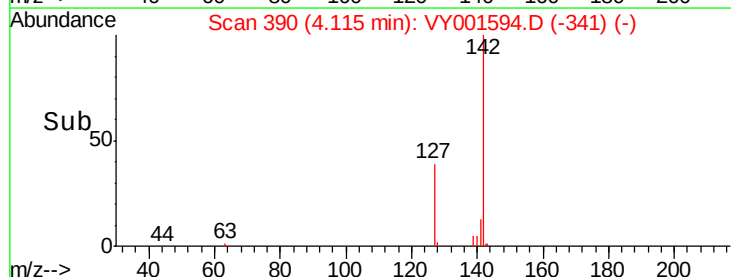
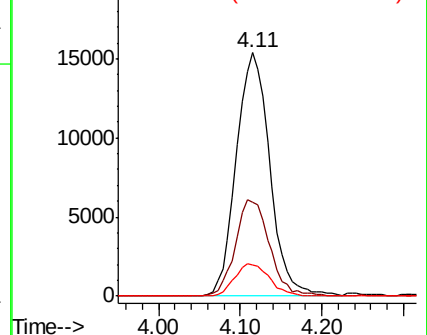
141 13.8 11.5 17.3

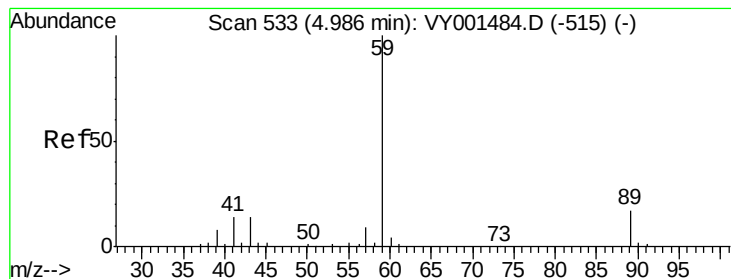


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



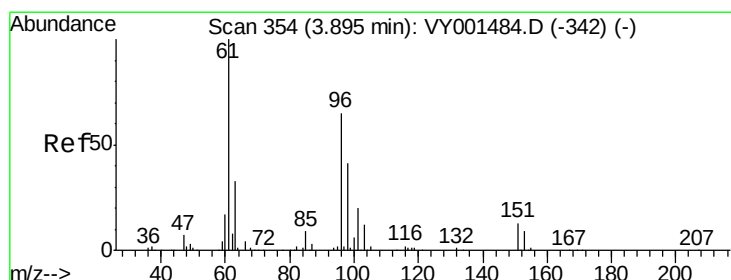
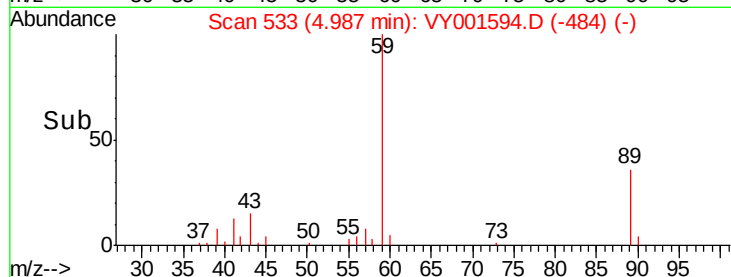
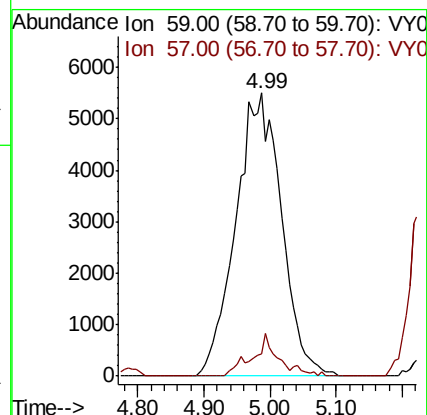
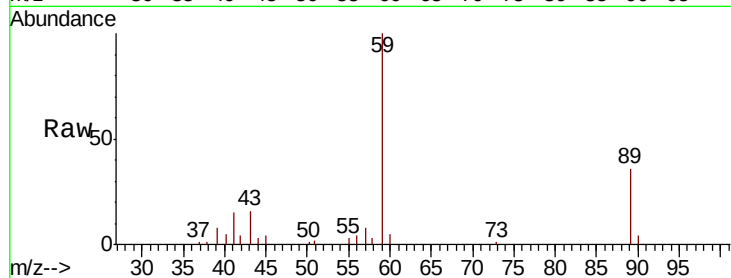


#11

Tert butyl alcohol
Concen: 103.729 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :

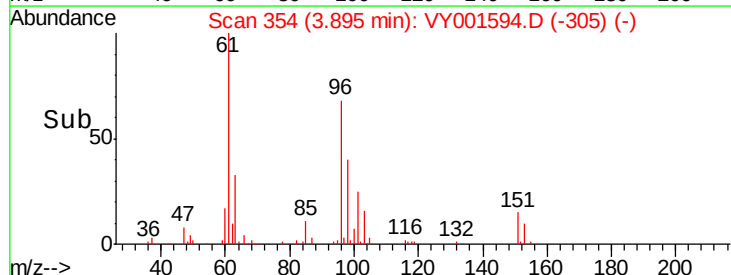
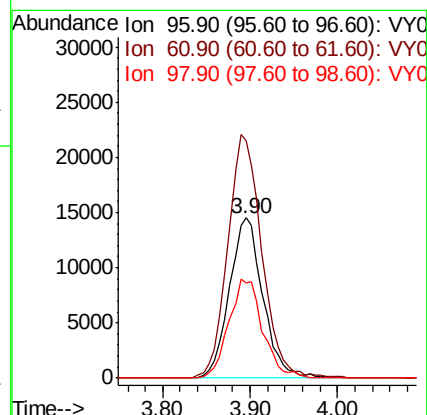
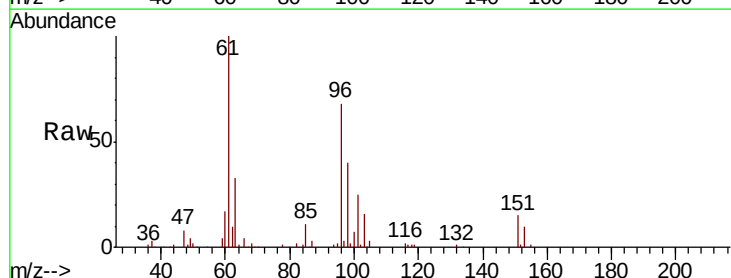
Tot Ion: 59 Resp: 26390
Ion Ratio Lower Upper
59 100
57 4.4 7.0 10.6#

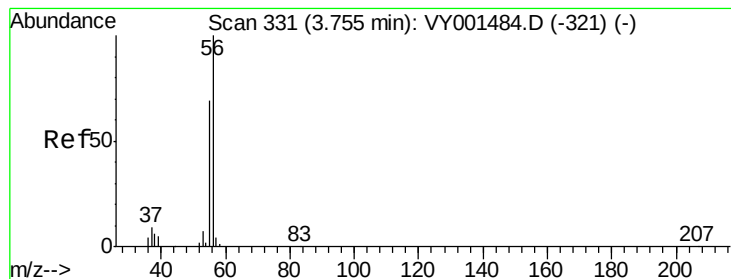


#12

1,1-Dichloroethene
Concen: 19.399 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 96 Resp: 38488
Ion Ratio Lower Upper
96 100
61 147.4 122.3 183.5
98 59.7 49.7 74.5





#13

Acrolein

Concen: 99.912 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

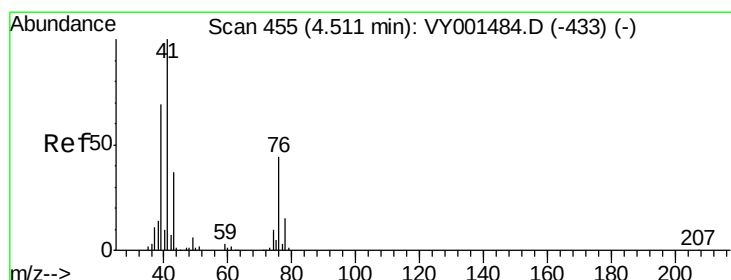
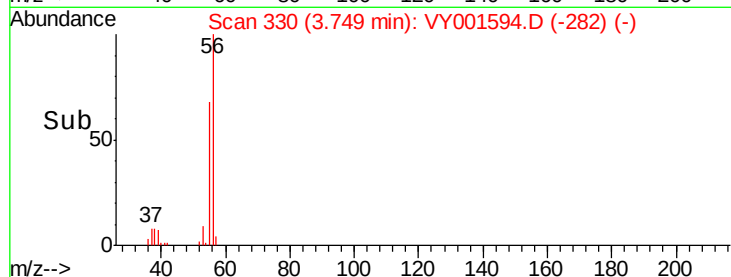
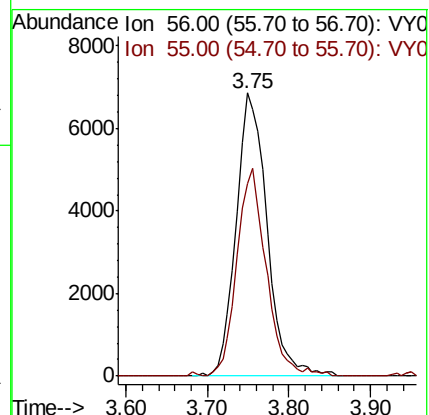
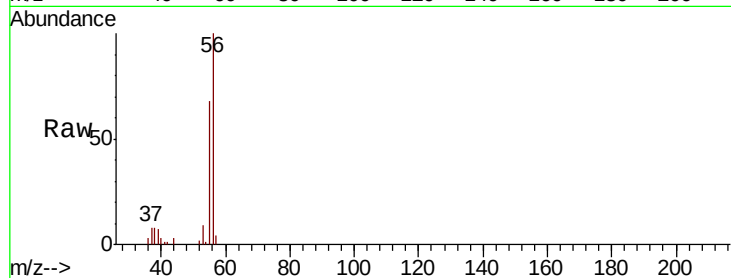
ClientSampleId :

Tot Ion: 56 Resp: 17975

Ion Ratio Lower Upper

56 100

55 68.7 56.2 84.4



#14

Allyl chloride

Concen: 22.280 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

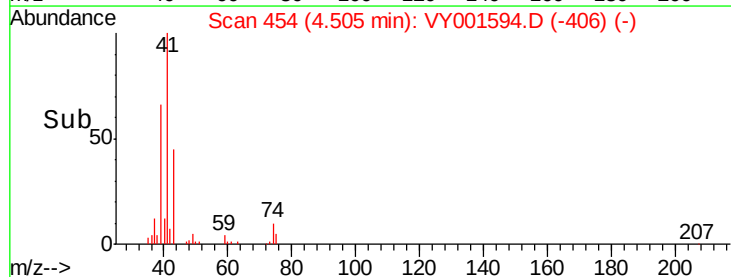
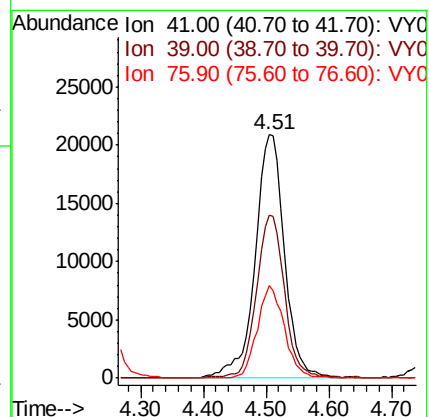
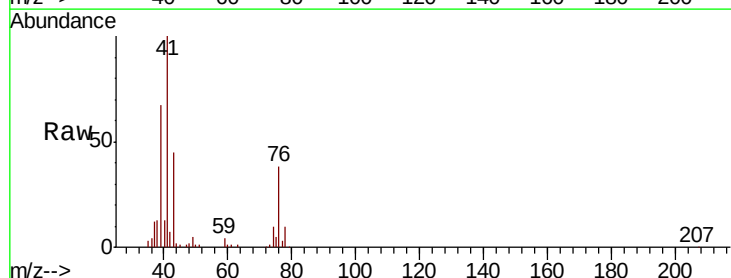
Tgt Ion: 41 Resp: 67620

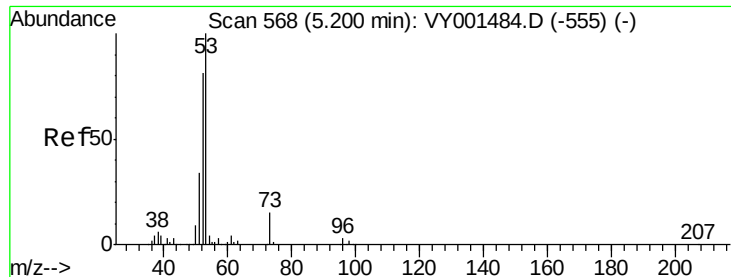
Ion Ratio Lower Upper

41 100

39 64.2 53.0 79.6

76 35.0 32.6 48.8





#15

Acrylonitrile

Concen: 113.433 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

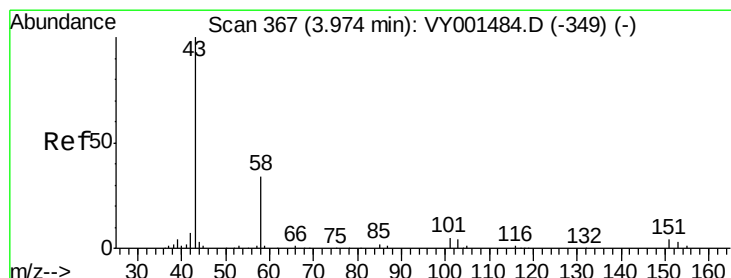
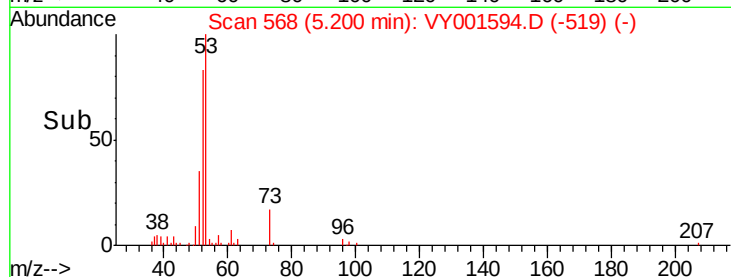
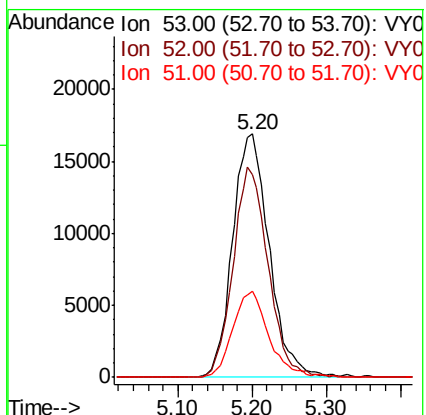
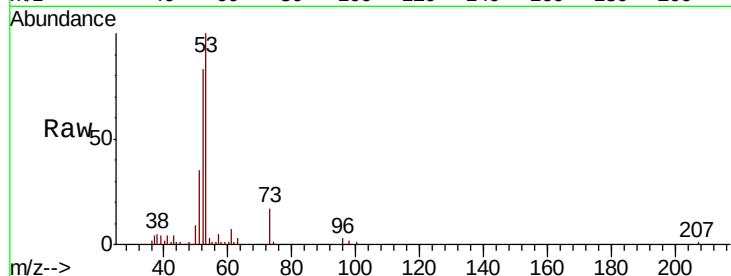
Tot Ion: 53 Resp: 58229

Ion Ratio Lower Upper

53 100

52 82.6 65.4 98.2

51 34.3 29.0 43.4



#16

Acetone

Concen: 105.141 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001594.D

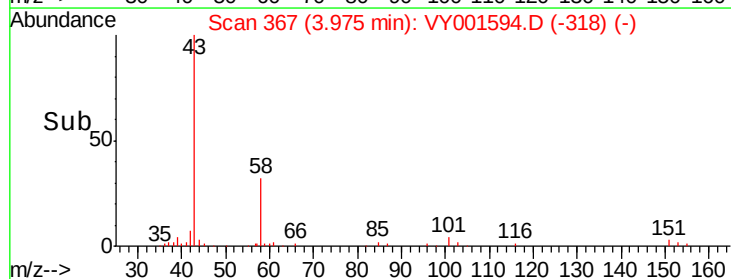
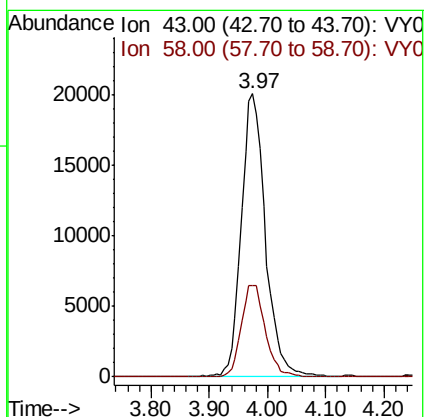
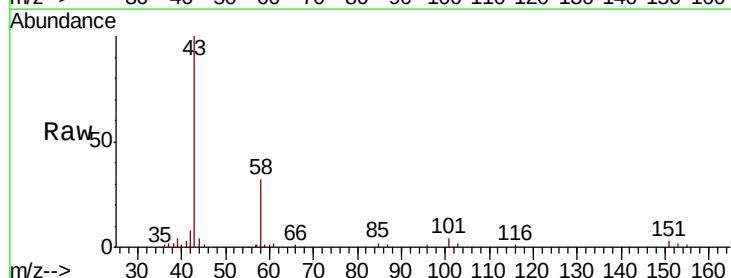
Acq: 11 Feb 2020 11:37

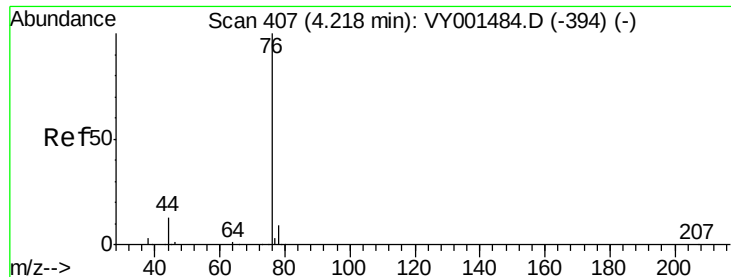
Tgt Ion: 43 Resp: 57785

Ion Ratio Lower Upper

43 100

58 32.2 27.5 41.3

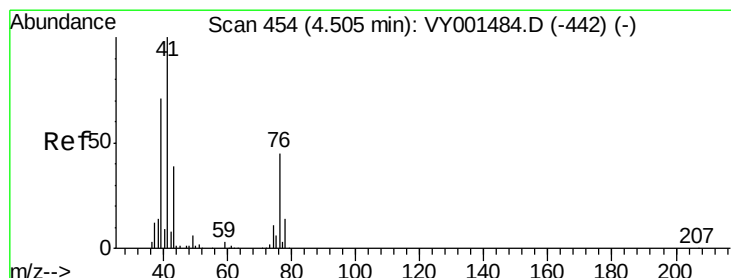
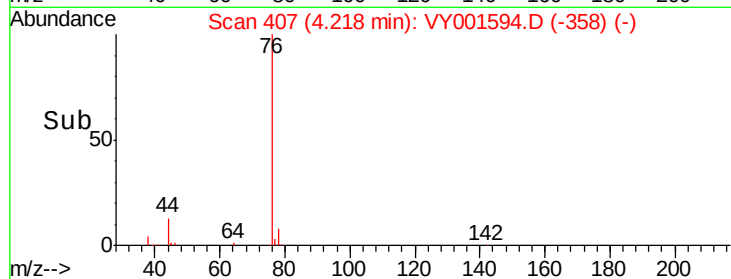
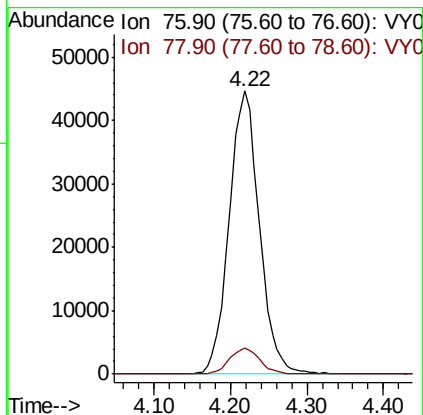
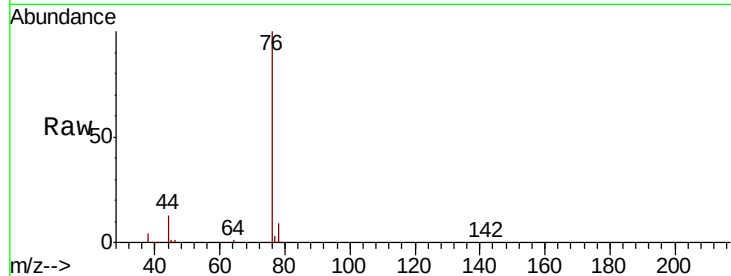




#17
Carbon Disulfide
Concen: 19.313 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

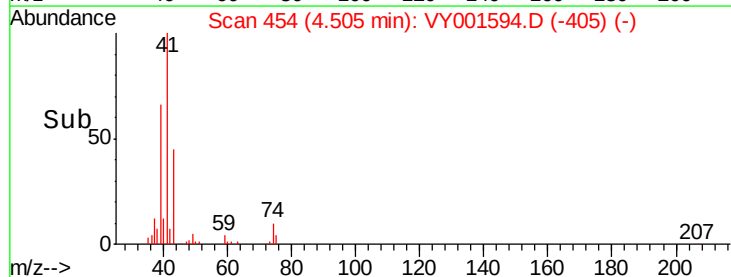
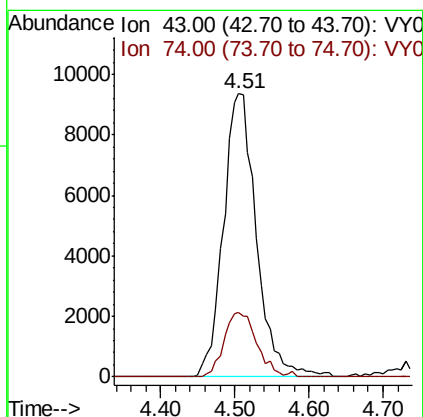
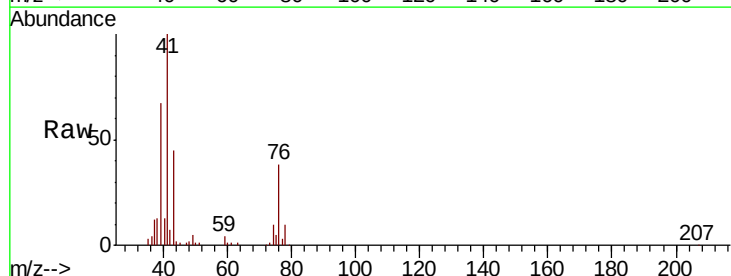
Instrument :
MSVOA_Y
ClientSampleId :

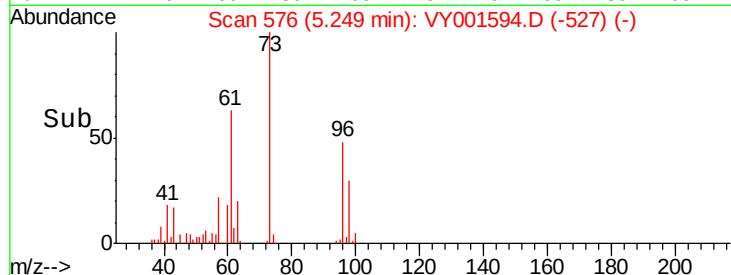
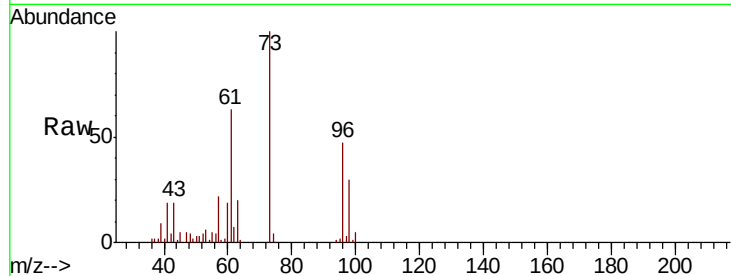
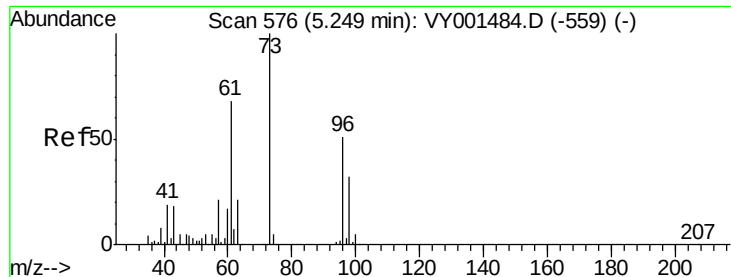
Tot Ion: 76 Resp: 121983
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 24.681 ug/l
RT: 4.51 min Scan# 454
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 43 Resp: 28946
Ion Ratio Lower Upper
43 100
74 22.5 21.0 31.6

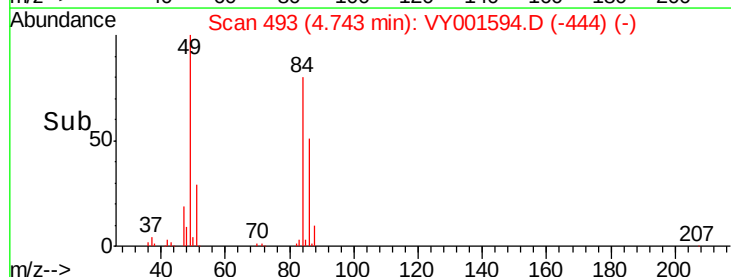
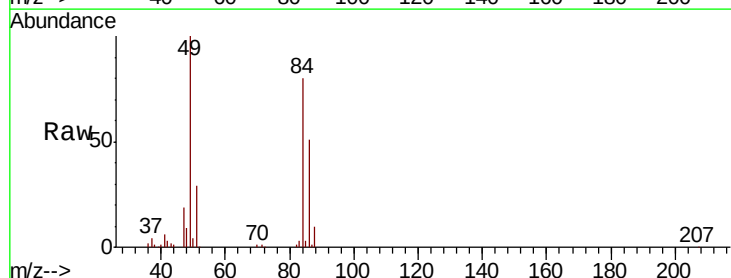
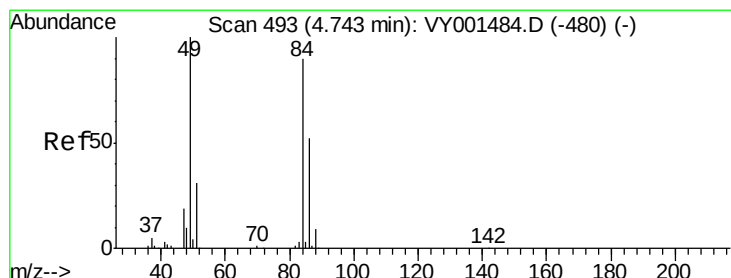
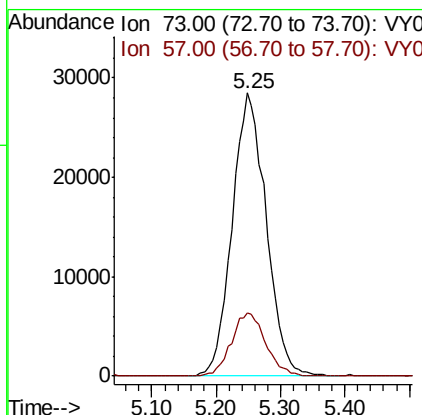




#19
Methyl tert-butyl Ether
Concen: 19.739 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

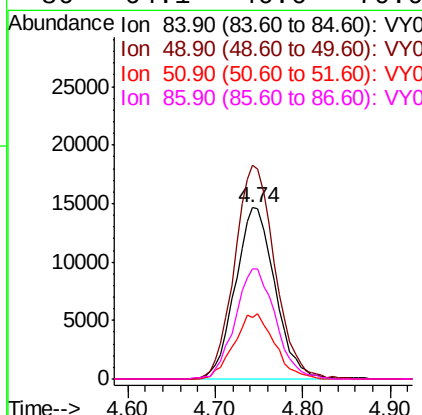
Tot Ion: 73 Resp: 104146
Ion Ratio Lower Upper
73 100
57 22.2 17.0 25.6

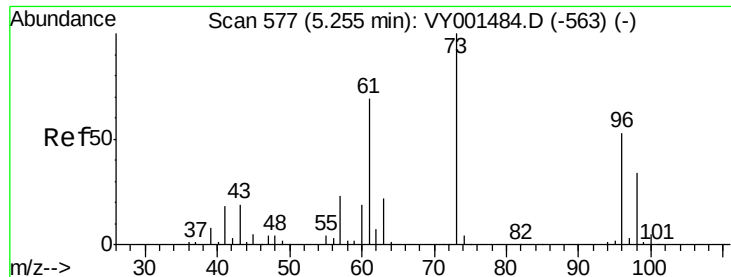
Instrument :
MSVOA_Y
ClientSampleId :



#20
Methylene Chloride
Concen: 18.476 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 84 Resp: 46173
Ion Ratio Lower Upper
84 100
49 125.0 89.0 133.6
51 36.1 27.4 41.2
86 64.1 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.360 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampled :

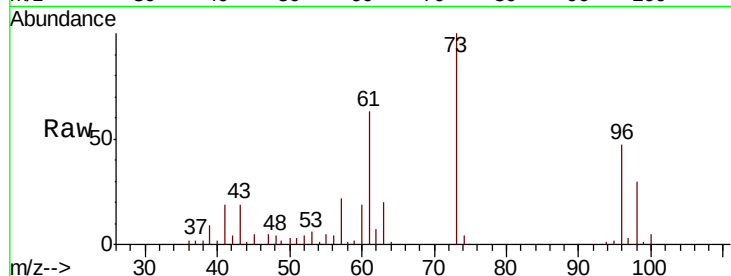
Tot Ion: 96 Resp: 42701

Ion Ratio Lower Upper

96 100

61 133.7 104.2 156.4

98 62.5 51.4 77.0

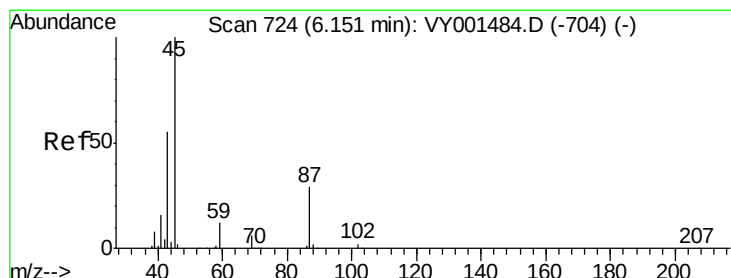
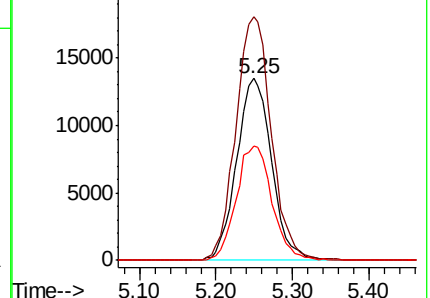
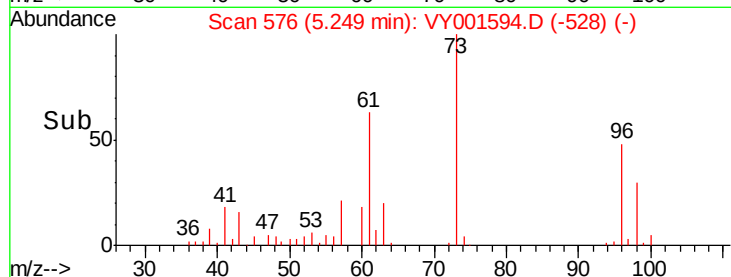


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 22.335 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion: 45 Resp: 134303

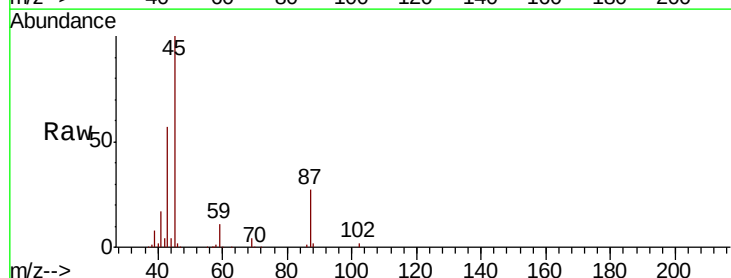
Ion Ratio Lower Upper

45 100

43 56.4 44.2 66.4

87 27.5 23.9 35.9

59 11.4 10.2 15.2



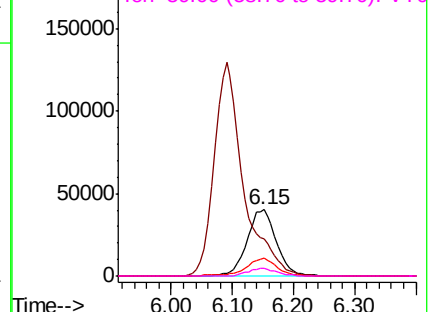
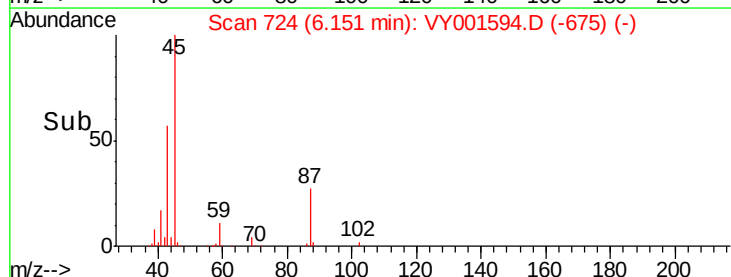
Abundance

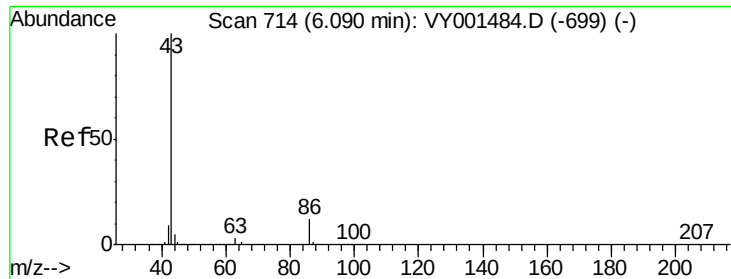
Ion 45.00 (44.70 to 45.70): VY0

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: 113.616 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

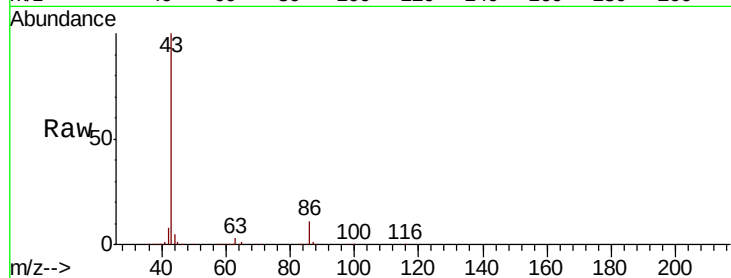
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 434910

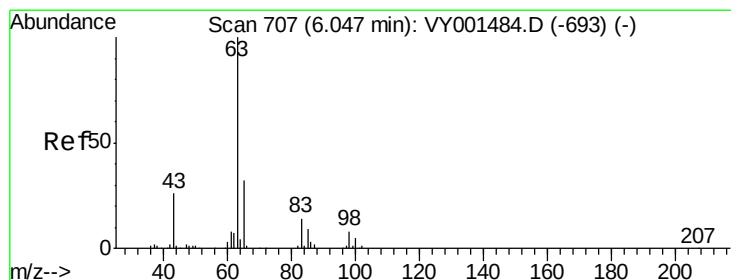
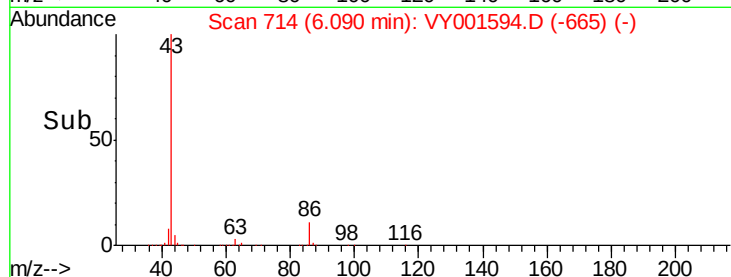
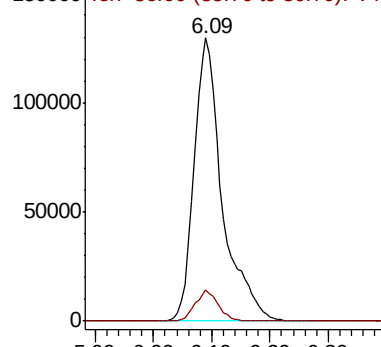
Ion Ratio Lower Upper

43 100

86 10.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.283 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

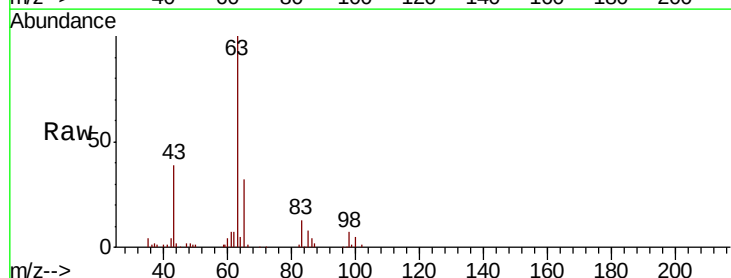
Tgt Ion: 63 Resp: 73361

Ion Ratio Lower Upper

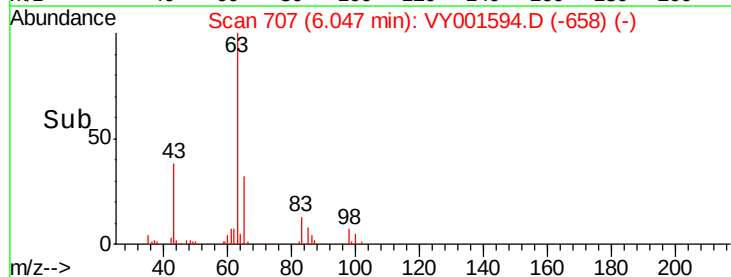
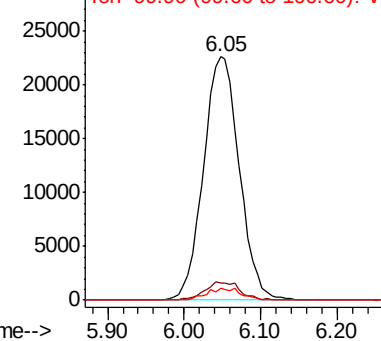
63 100

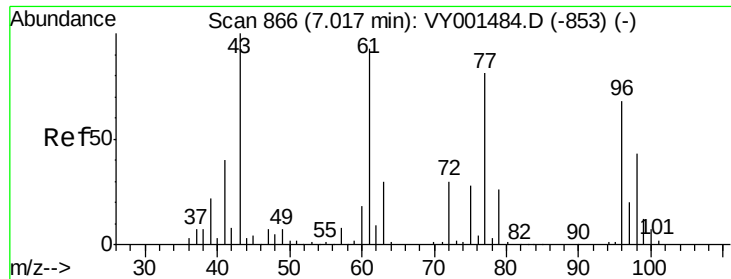
98 7.1 4.0 11.9

100 5.0 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0

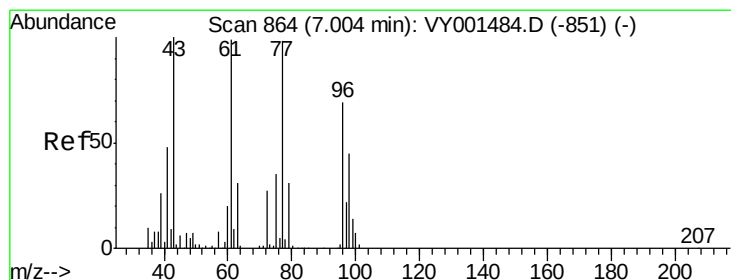
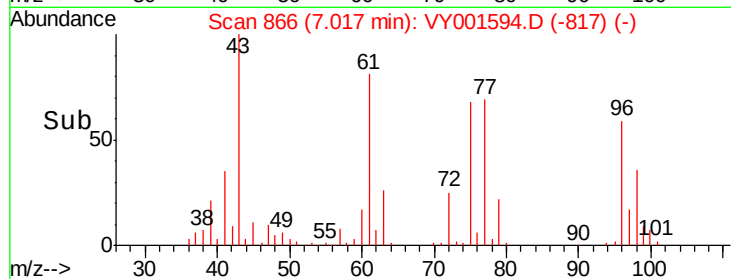
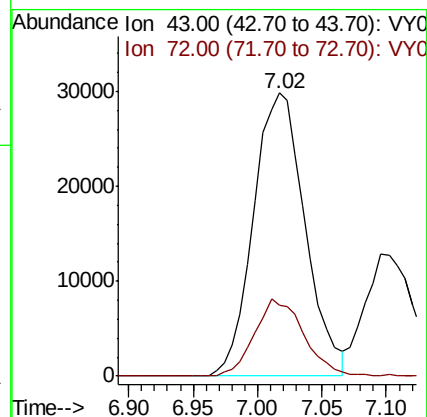
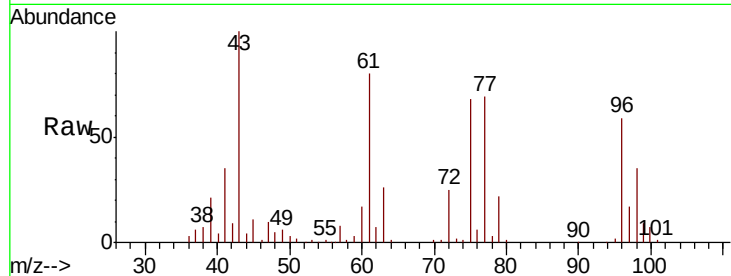




#25
2-Butanone
Concen: 116.320 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

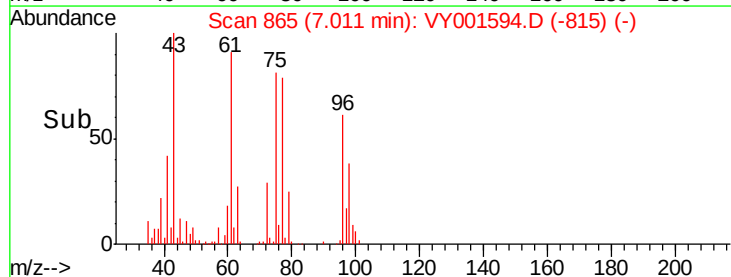
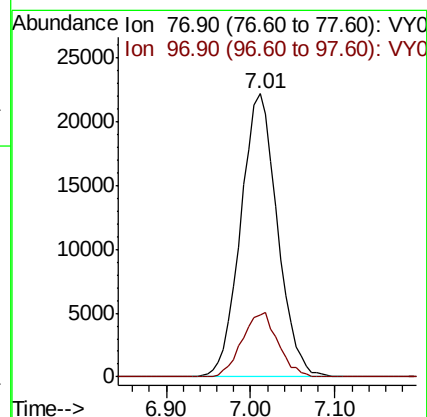
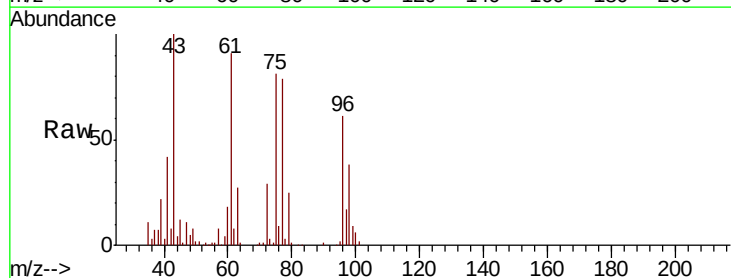
Instrument :
MSVOA_Y
ClientSampled :

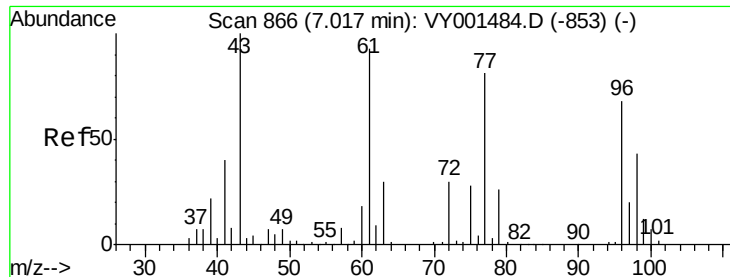
Tot Ion: 43 Resp: 82938
Ion Ratio Lower Upper
43 100
72 25.2 23.8 35.8



#26
2,2-Dichloropropane
Concen: 18.941 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 77 Resp: 65565
Ion Ratio Lower Upper
77 100
97 22.2 11.7 35.0



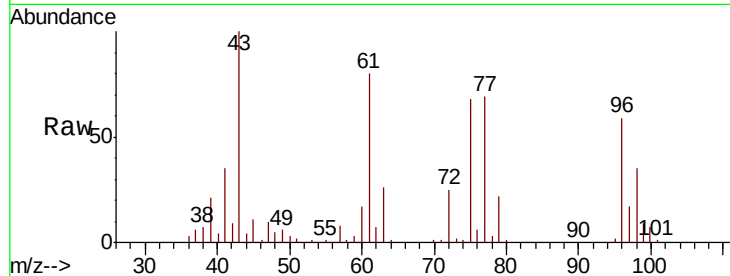


#27

cis-1,2-Dichloroethene
Concen: 19.979 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	96	Resp	48129
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	278.8
98	63.1	0.0	128.8

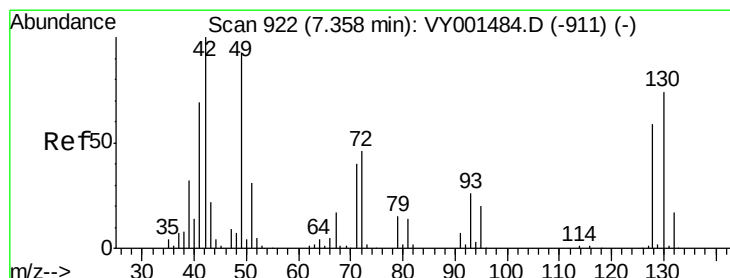
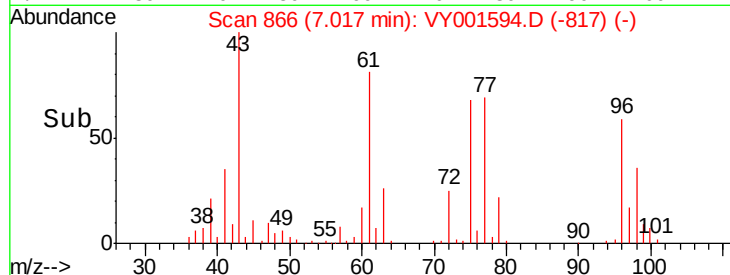
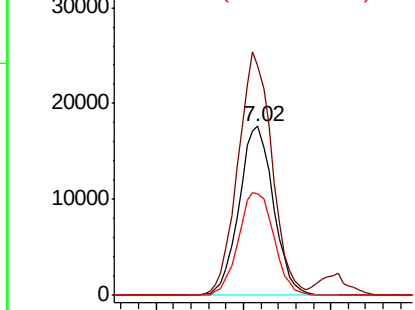


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

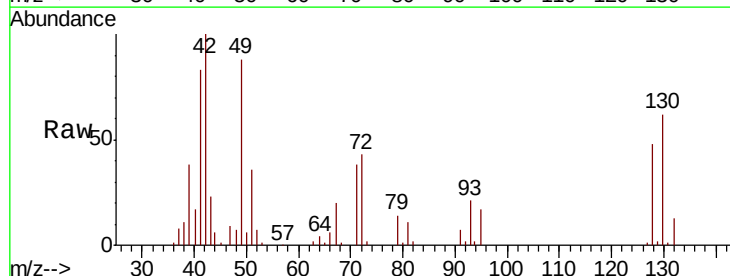
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
Concen: 21.918 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	49	Resp	27006
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	72.3	65.4	98.2

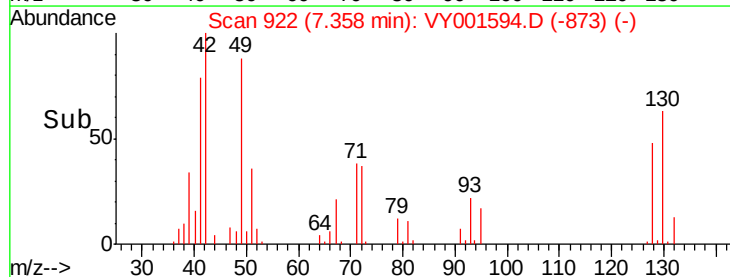
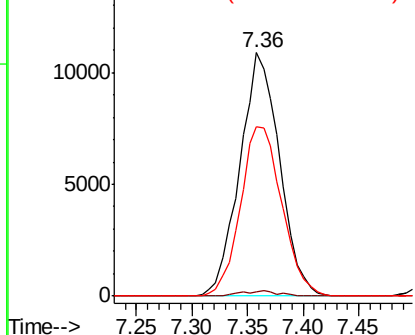


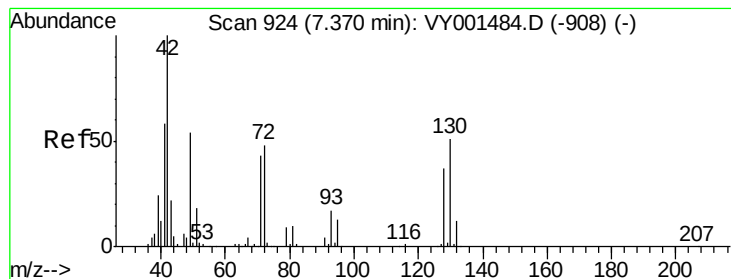
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 121.202 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampled :

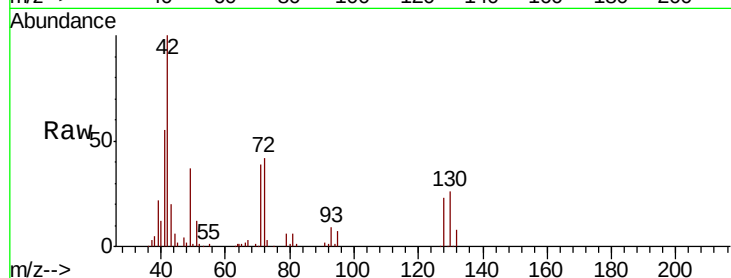
Tot Ion: 42 Resp: 51797

Ion Ratio Lower Upper

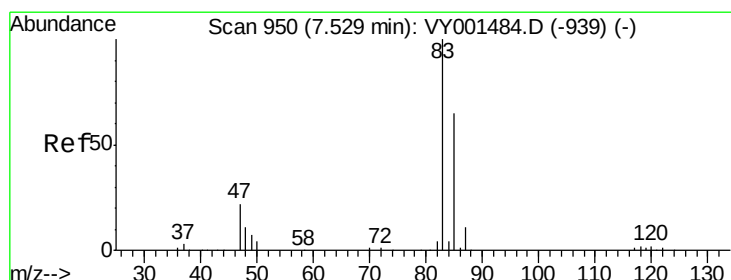
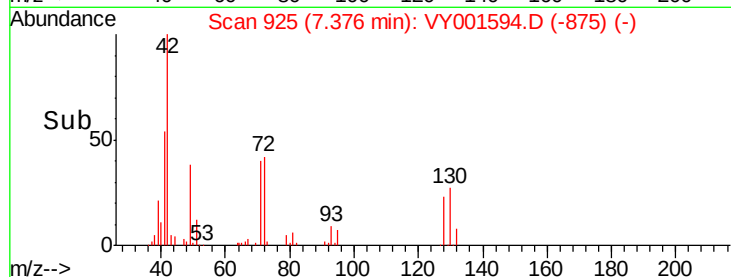
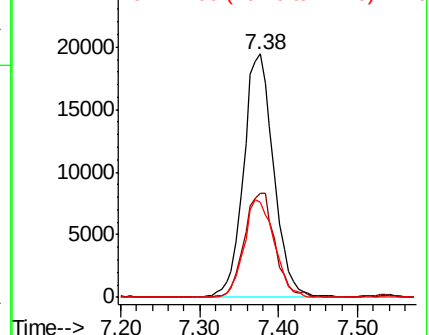
42 100

72 43.4 37.8 56.6

71 40.4 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 19.121 ug/l

RT: 7.53 min Scan# 950

Delta R.T. 0.00 min

Lab File: VY001594.D

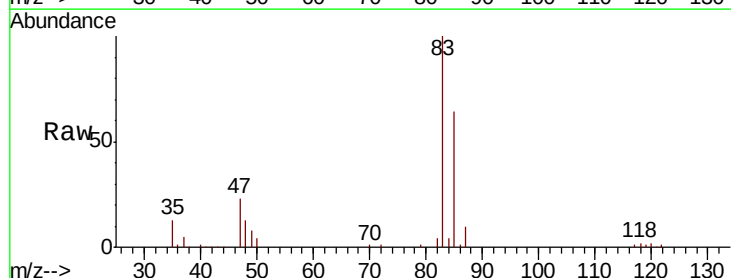
Acq: 11 Feb 2020 11:37

Tgt Ion: 83 Resp: 70053

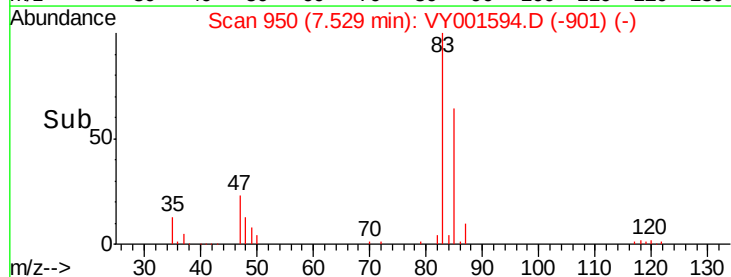
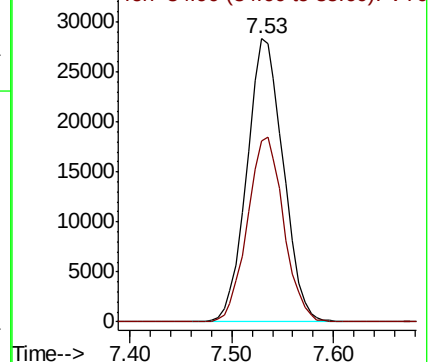
Ion Ratio Lower Upper

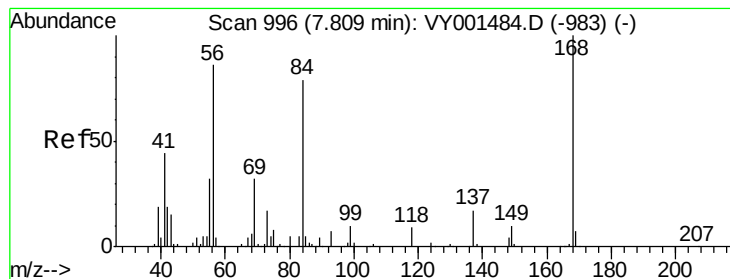
83 100

85 64.1 52.4 78.6



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





#31

Cyclohexane

Concen: 20.744 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampled :

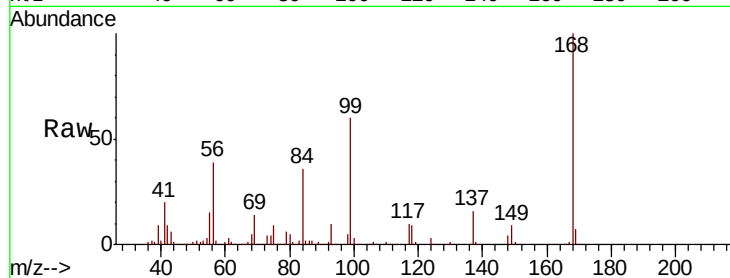
Tot Ion: 56 Resp: 76746

Ion Ratio Lower Upper

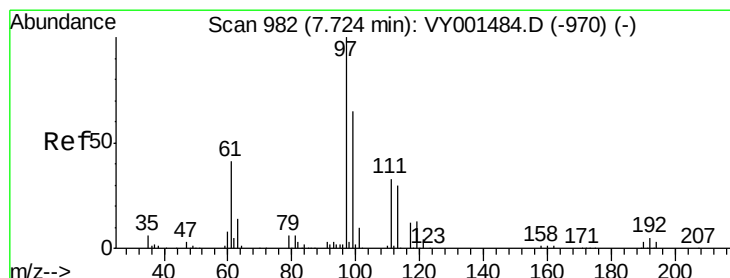
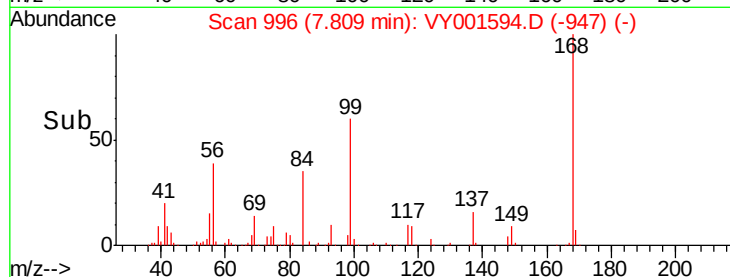
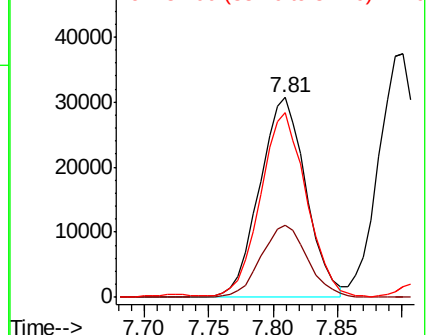
56 100

69 35.9 29.6 44.4

84 91.2 73.6 110.4



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: 18.351 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

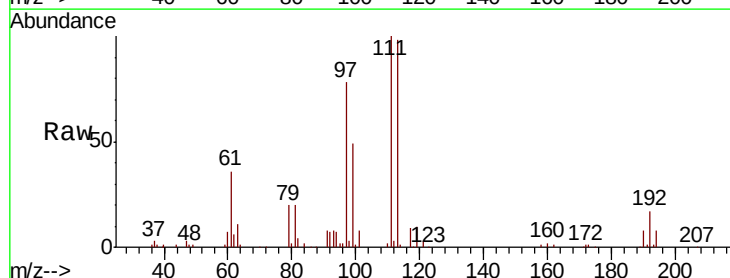
Tgt Ion: 97 Resp: 60954

Ion Ratio Lower Upper

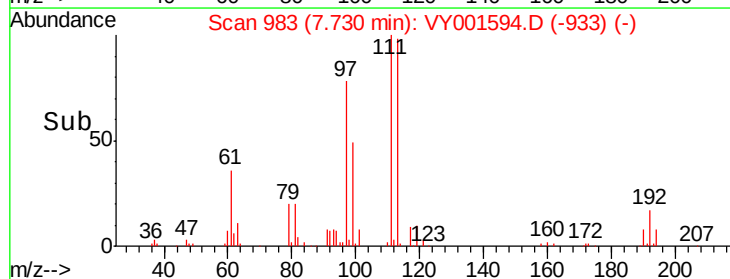
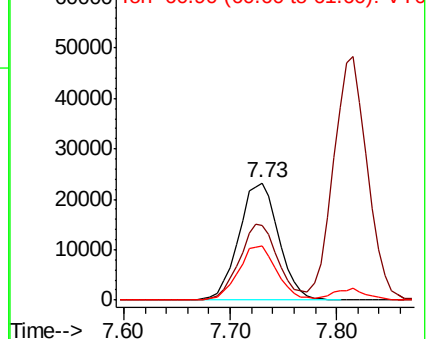
97 100

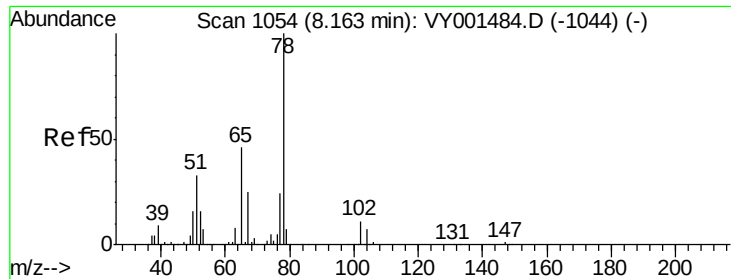
99 63.6 51.8 77.8

61 44.8 32.5 48.7



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

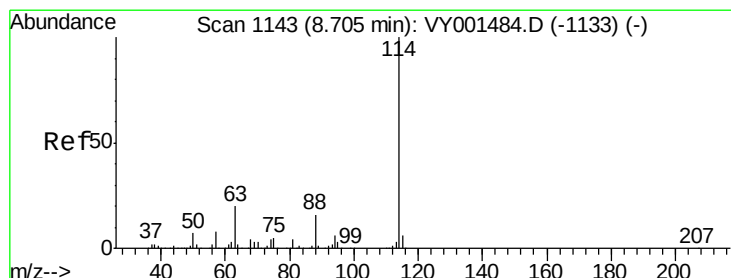
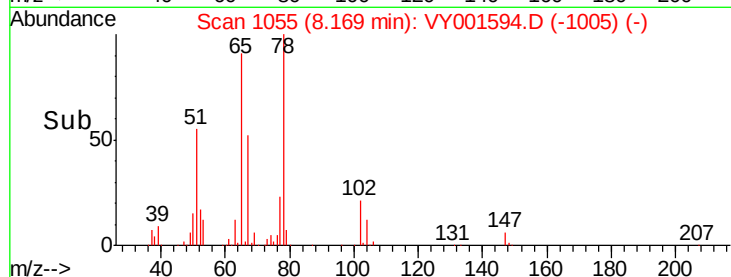
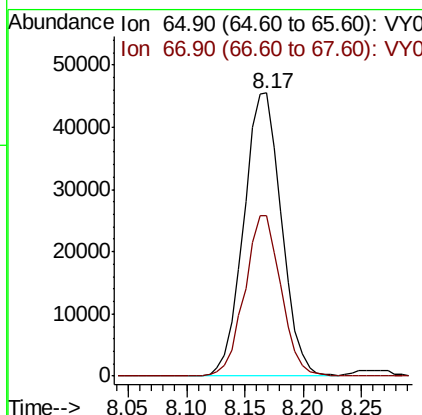
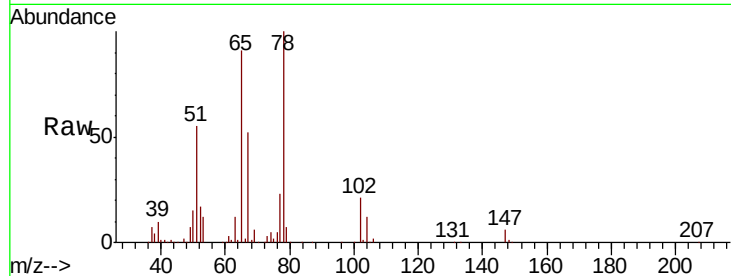




#33
 1,2-Dichloroethane-d4
 Concen: 54.126 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

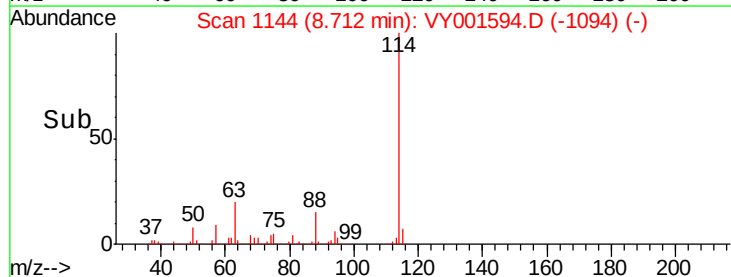
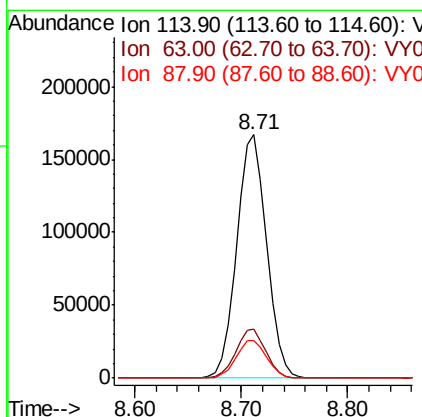
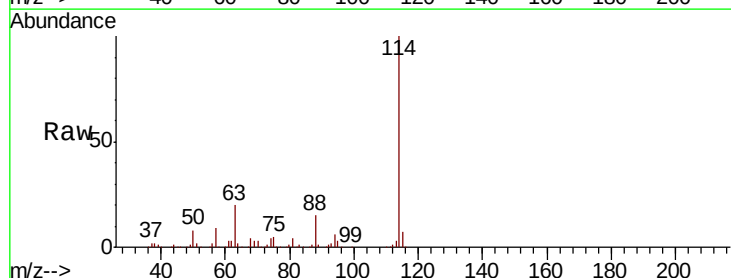
Instrument :
 MSVOA_Y
 ClientSampled :

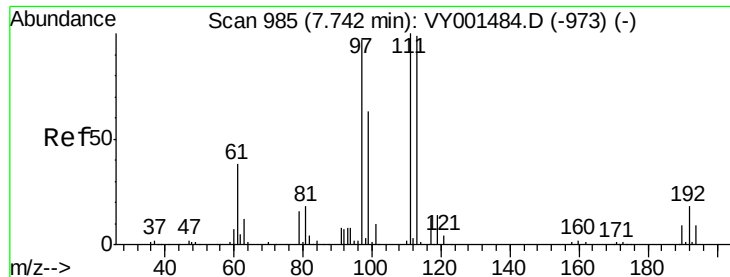
Tot Ion: 65 Resp: 102839
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion: 114 Resp: 328693
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.5 0.0 32.6

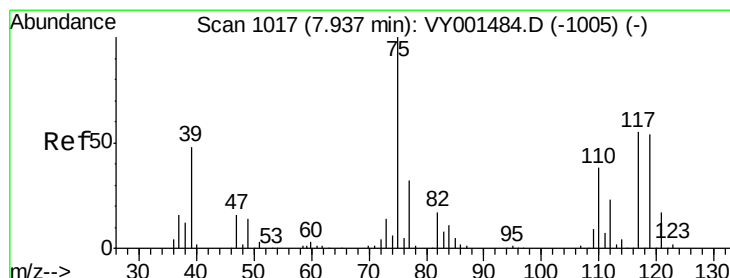
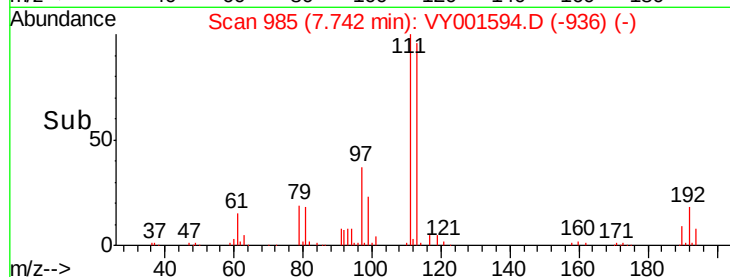
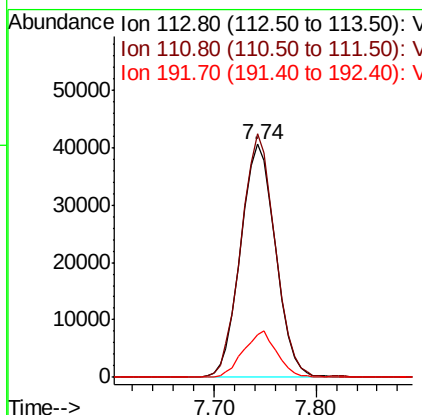
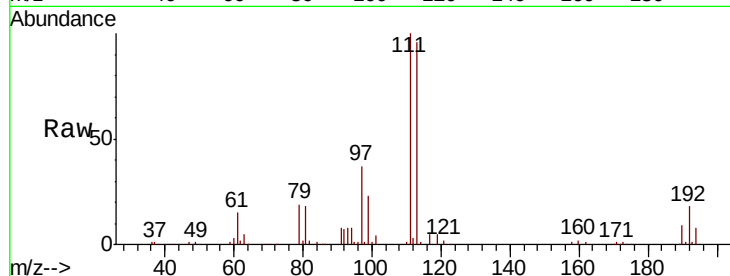




#35
 Dibromofluoromethane
 Concen: 51.177 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

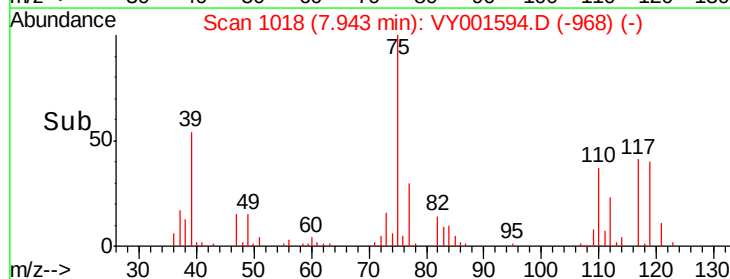
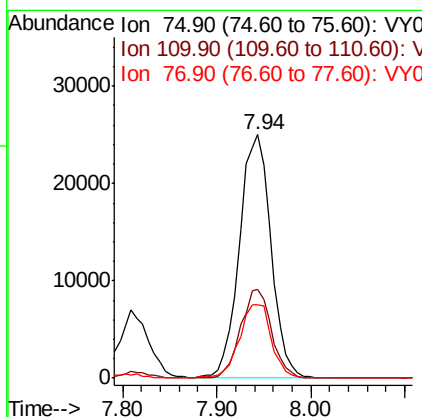
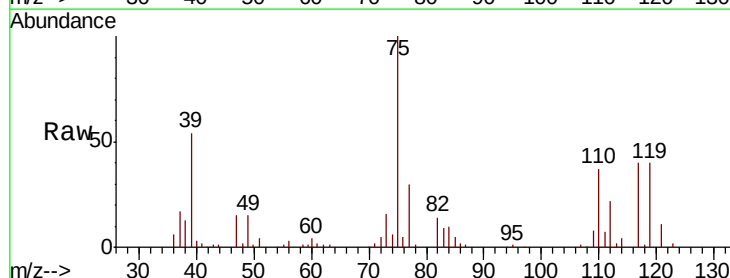
Instrument :
 MSVOA_Y
 ClientSampled :

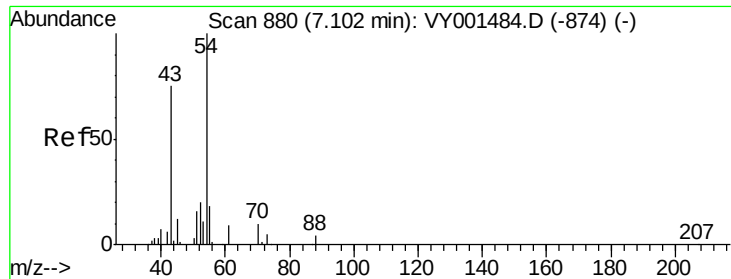
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	19.0	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 19.593 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.2	54.6
77	30.6	25.0	37.4

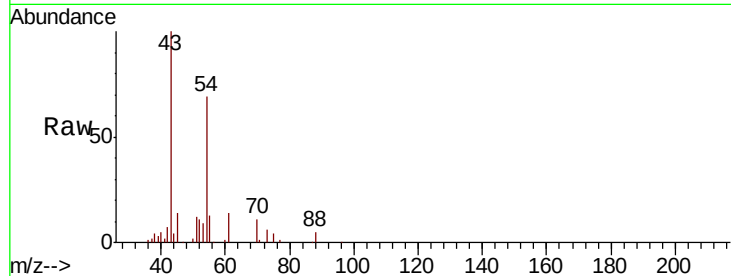




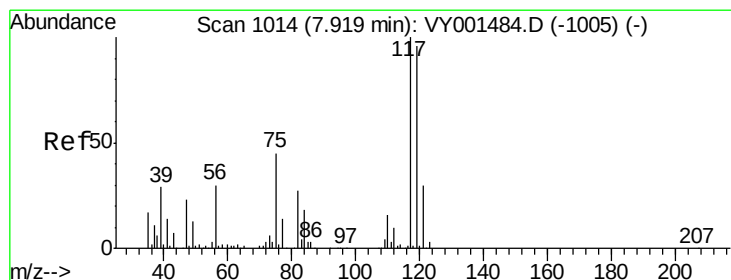
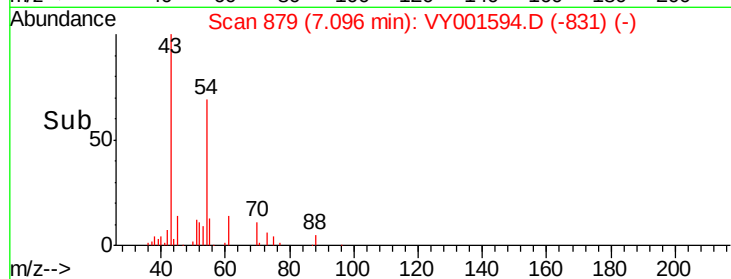
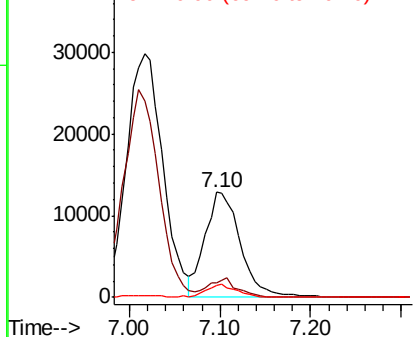
#37
Ethyl Acetate
Concen: 24.161 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 35170
Ion Ratio Lower Upper
43 100
61 14.7 12.0 18.0
70 10.5 10.2 15.4

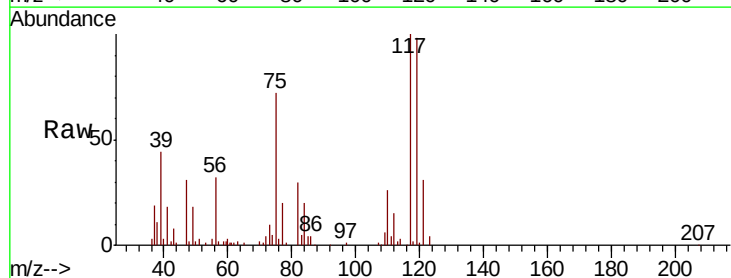


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

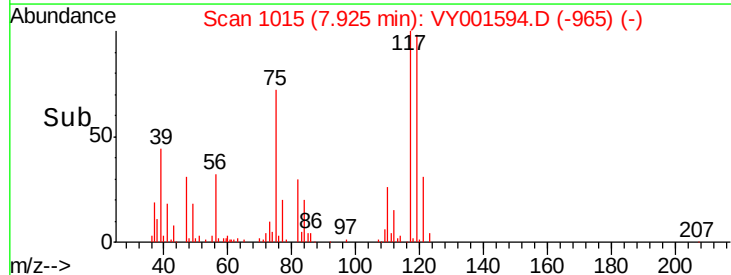
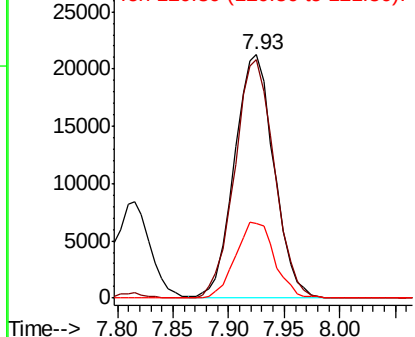


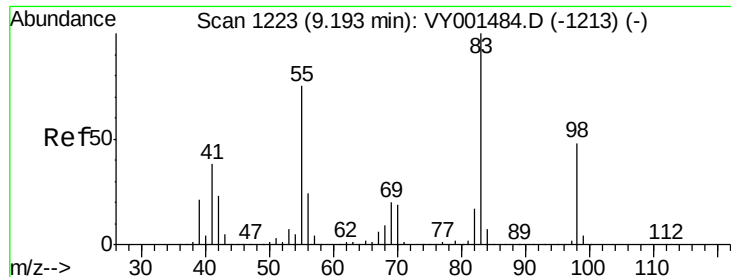
#38
Carbon Tetrachloride
Concen: 18.015 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 117 Resp: 52408
Ion Ratio Lower Upper
117 100
119 97.8 76.4 114.6
121 30.8 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

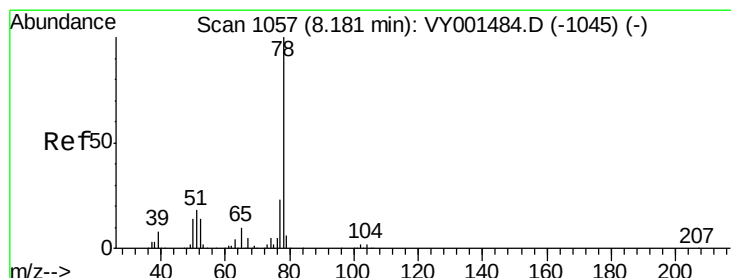
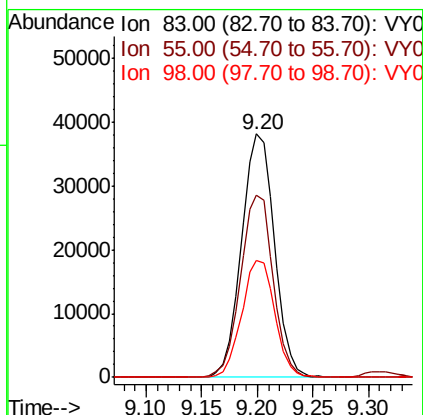
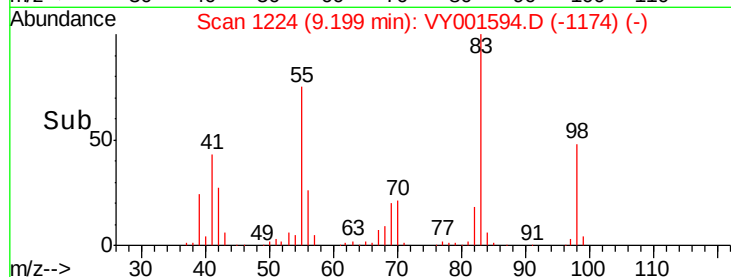
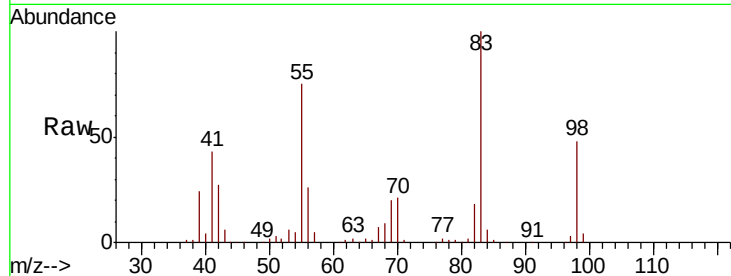




#39
Methylvlcyclohexane
Concen: 19.805 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

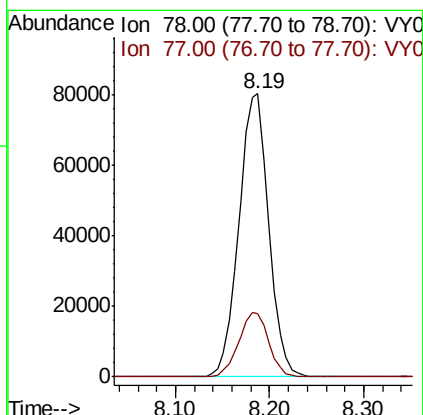
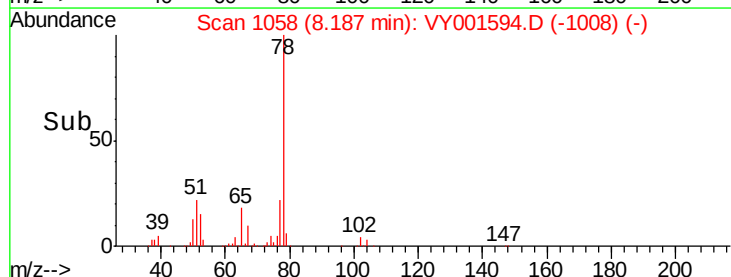
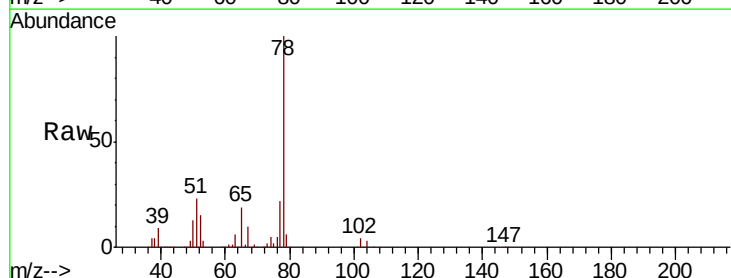
Instrument :
MSVOA_Y
ClientSampleId :

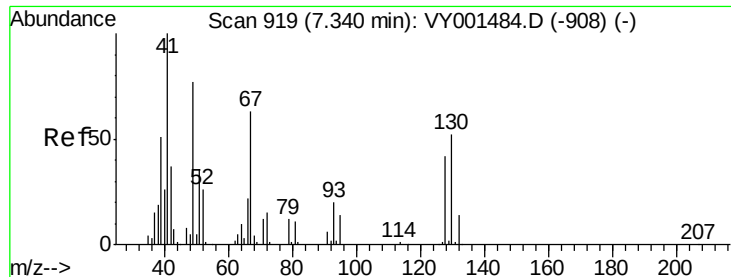
Tot Ion: 83 Resp: 78412
Ion Ratio Lower Upper
83 100
55 74.6 59.8 89.6
98 48.2 38.6 57.8



#40
Benzene
Concen: 20.643 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 78 Resp: 177049
Ion Ratio Lower Upper
78 100
77 22.3 18.5 27.7

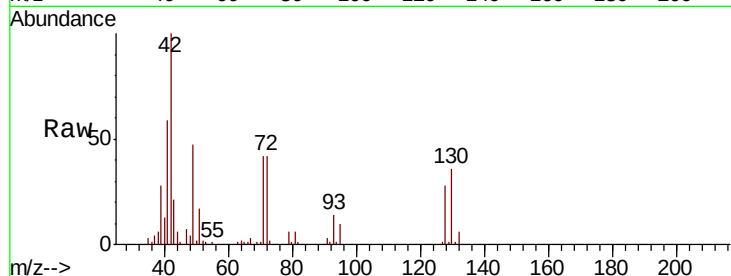




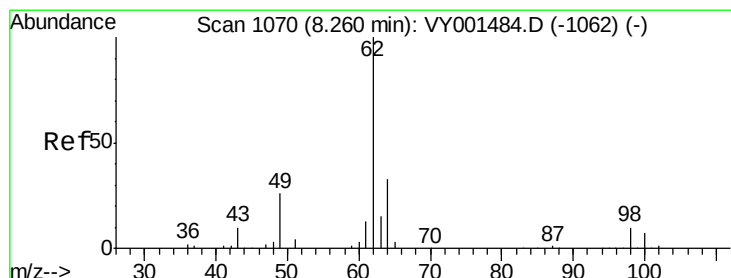
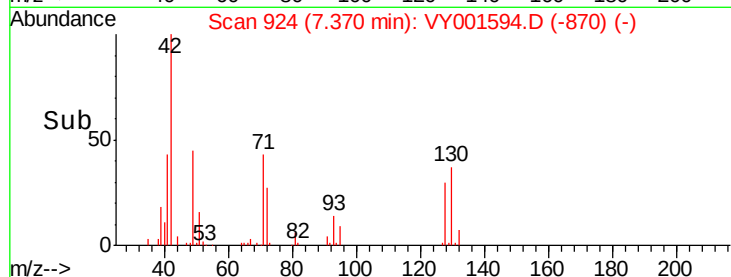
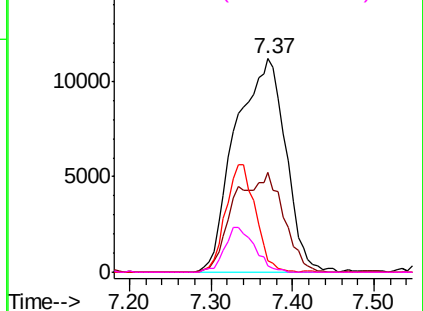
#41
Methacrylonitrile
Concen: 70.823 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 47780
Ion Ratio Lower Upper
41 100
39 0.0 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

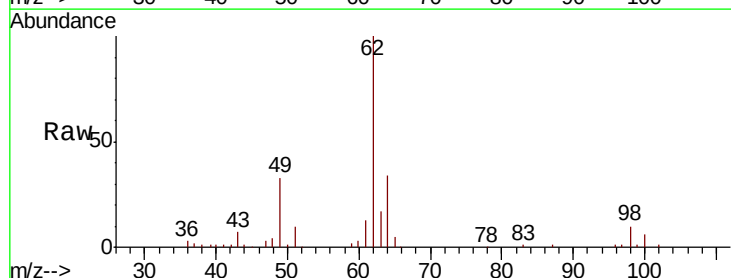


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

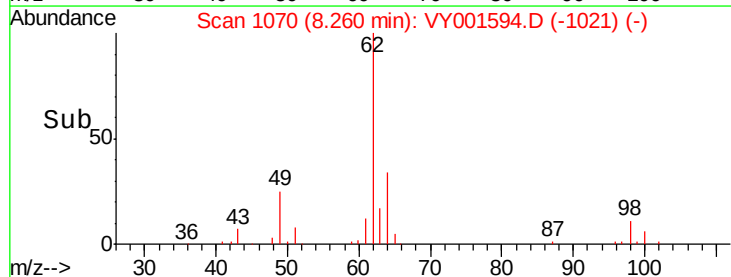
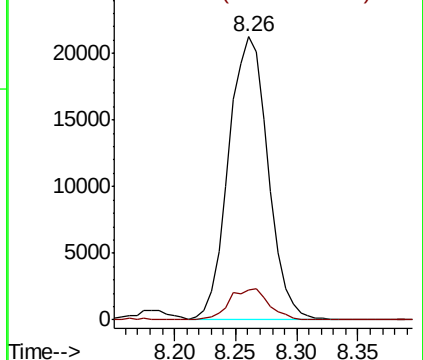


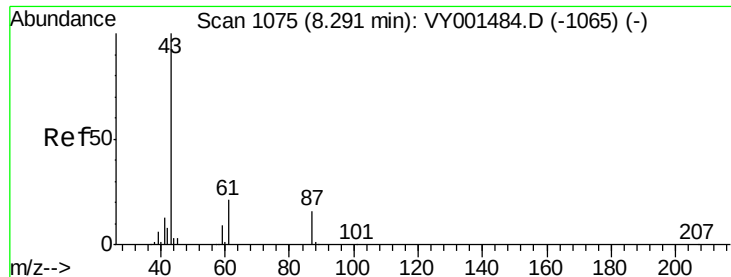
#42
1,2-Dichloroethane
Concen: 19.859 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 62 Resp: 47453
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.0



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





#43

Isopropyl Acetate

Concen: 23.391 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

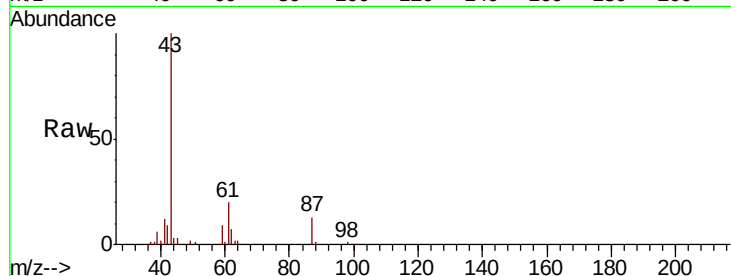
Tot Ion: 43 Resp: 67416

Ion Ratio Lower Upper

43 100

61 28.1 25.1 37.7

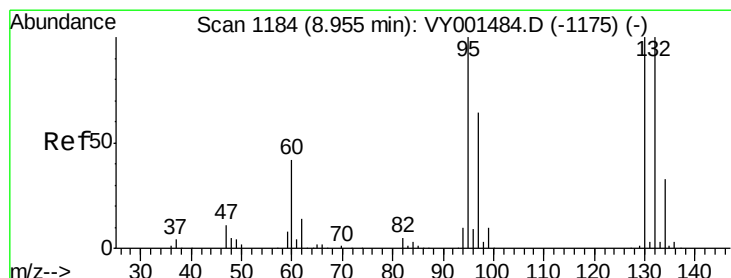
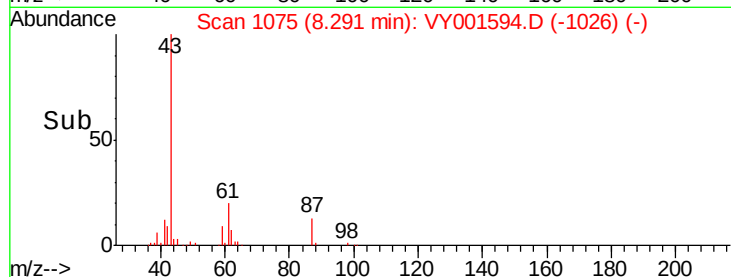
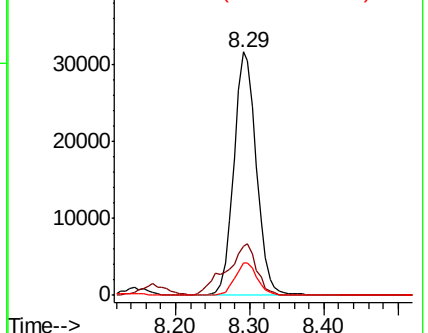
87 13.1 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VY001594.D (-1075) (-)

Ion 61.00 (60.70 to 61.70): VY001594.D (-1075) (-)

Ion 87.00 (86.70 to 87.70): VY001594.D (-1075) (-)



#44

Trichloroethene

Concen: 18.911 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VY001594.D

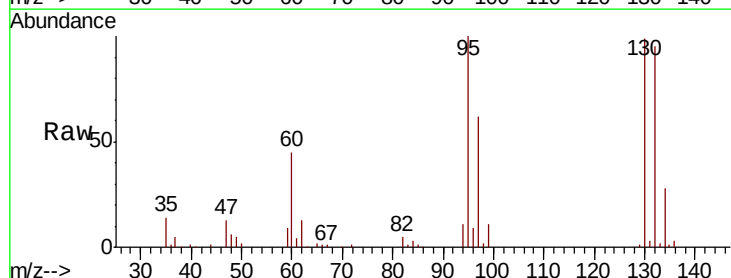
Acq: 11 Feb 2020 11:37

Tgt Ion:130 Resp: 43718

Ion Ratio Lower Upper

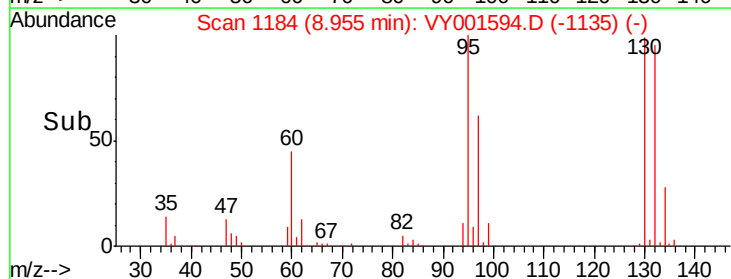
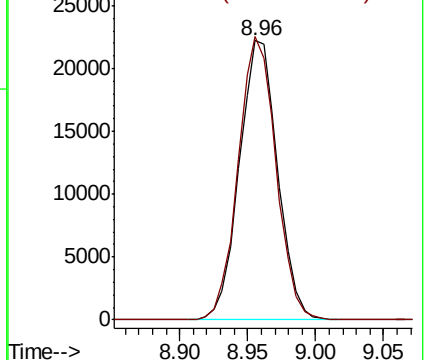
130 100

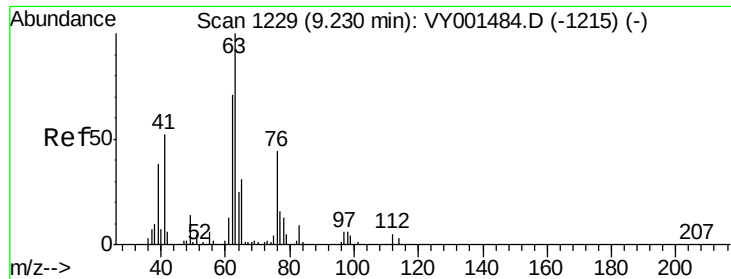
95 101.3 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): VY001594.D (-1184) (-)

Ion 94.90 (94.60 to 95.60): VY001594.D (-1184) (-)

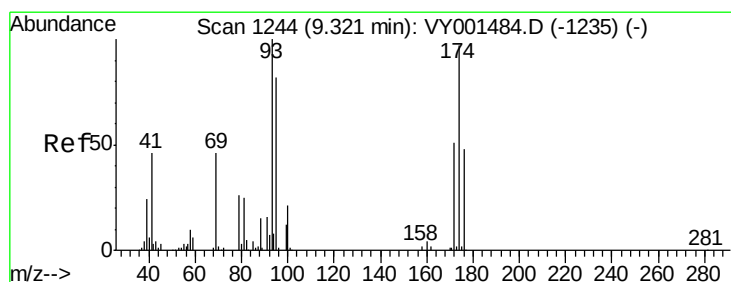
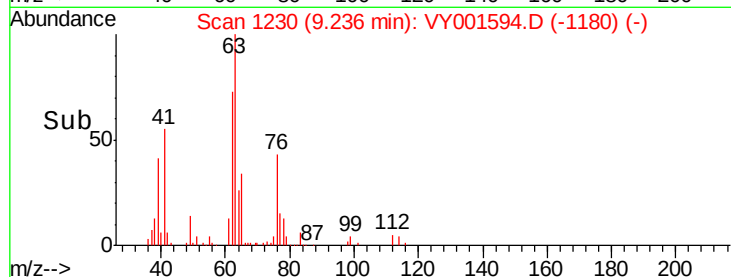
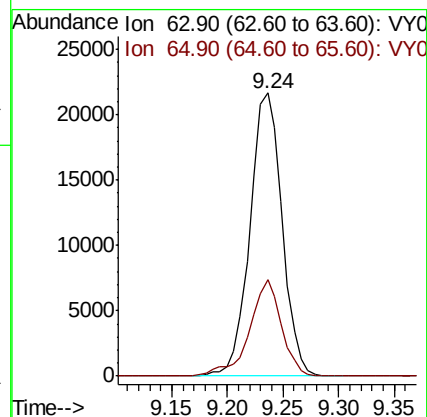
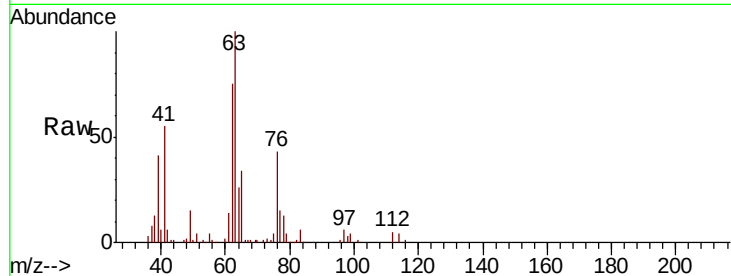




#45
 1,2-Dichloropropane
 Concen: 21.017 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

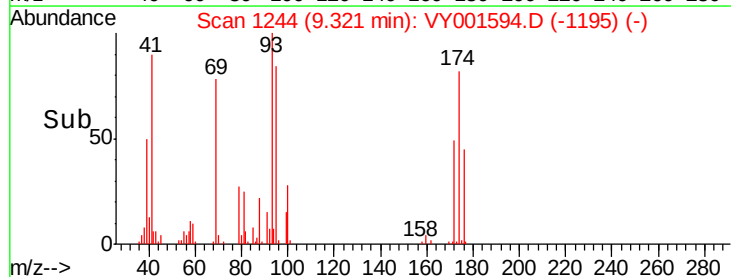
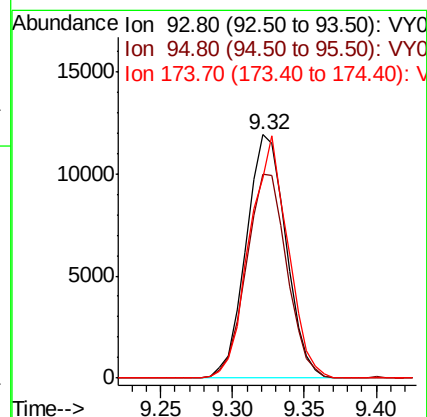
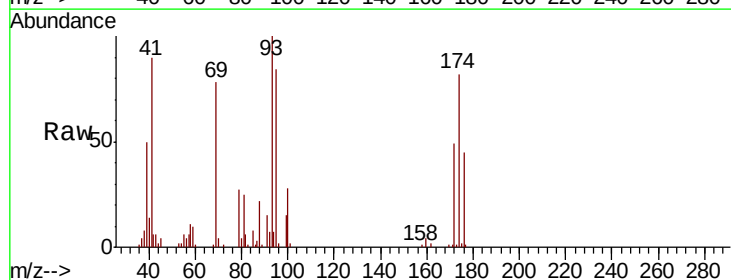
Instrument :
 MSVOA_Y
 ClientSampleId :

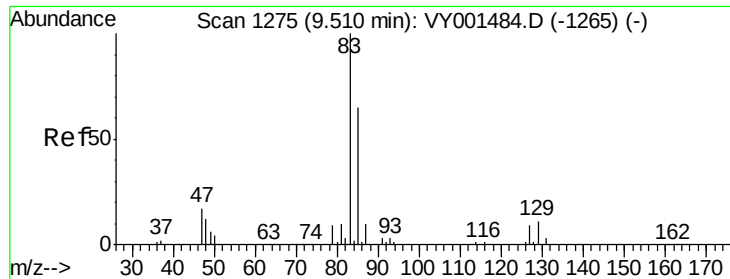
Tot Ion: 63 Resp: 43528
 Ion Ratio Lower Upper
 63 100
 65 33.9 25.0 37.4



#46
 Dibromomethane
 Concen: 19.606 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion: 93 Resp: 22801
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.6 99.8
 174 95.4 75.4 113.2

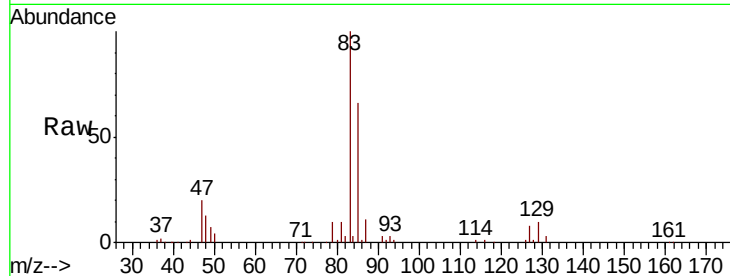




#47
Bromodichloromethane
Concen: 19.338 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	83	Resp	54795
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.9	77.9
127	7.9	6.9	10.3

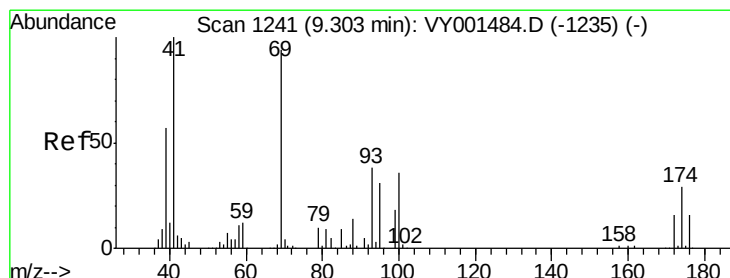
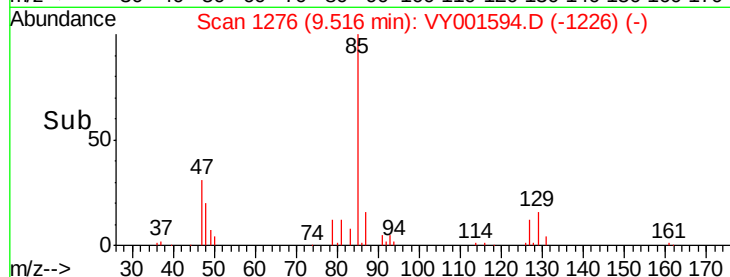
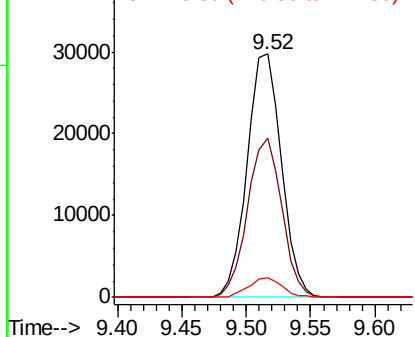


Abundance

Ion 82.90 (82.60 to 83.60): VY0

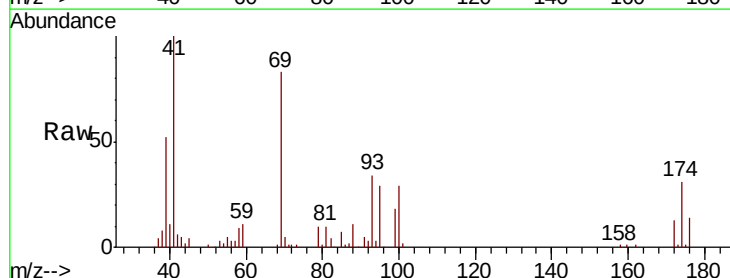
Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48
Methyl methacrylate
Concen: 22.994 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion	41	Resp	30078
Ion Ratio	Lower	Upper	
41	100		
69	87.2	76.6	114.8
39	54.3	45.4	68.0

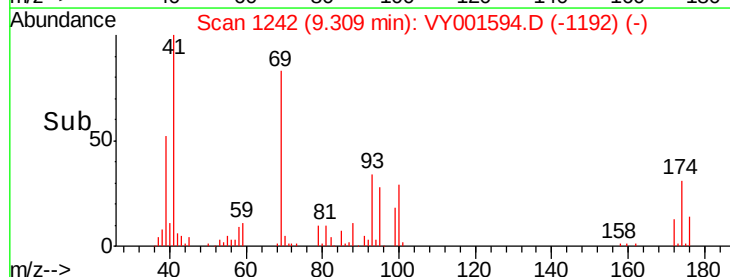
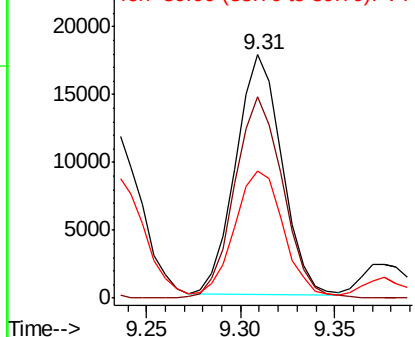


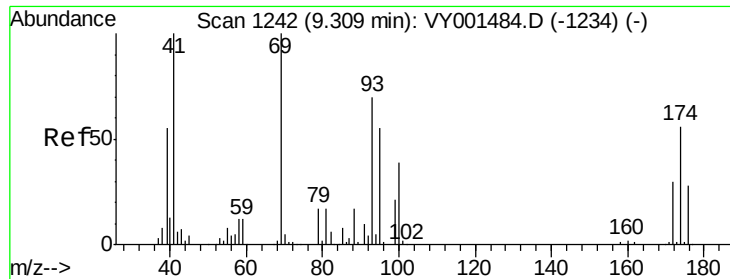
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

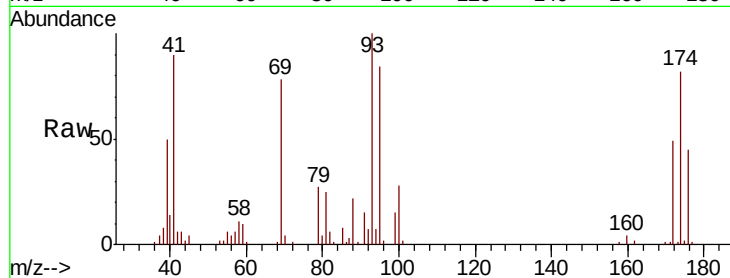




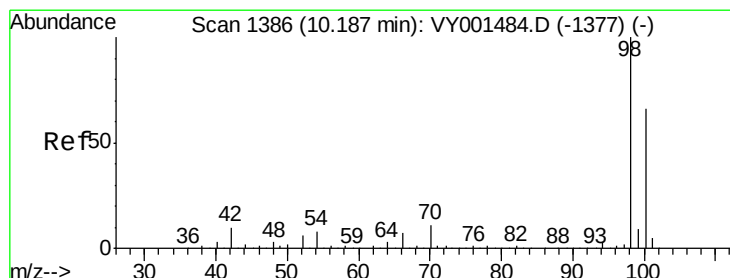
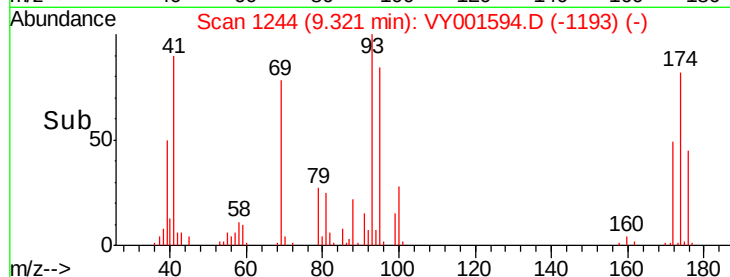
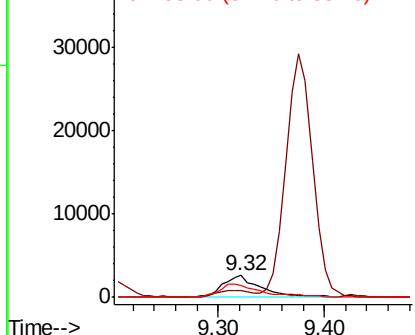
#49
1,4-Dioxane
Concen: 422.696 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 6492
Ion Ratio Lower Upper
88 100
43 28.1 24.8 37.2
58 69.4 59.3 88.9

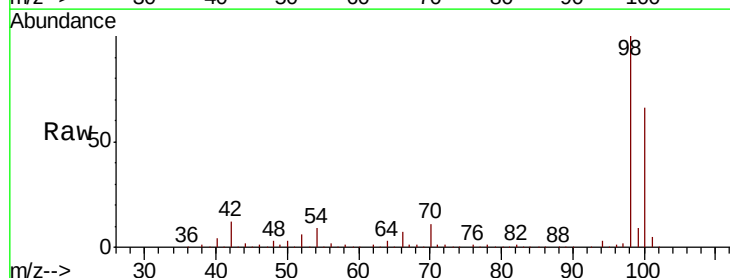


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

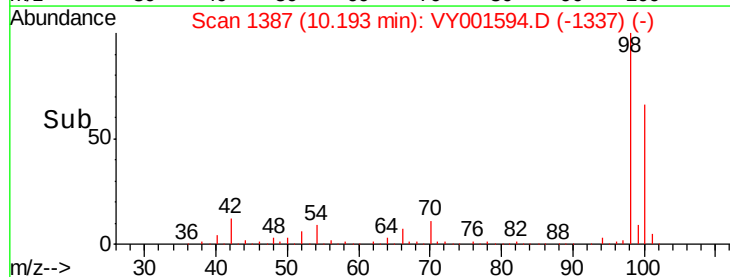
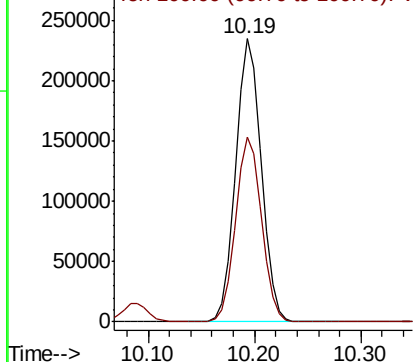


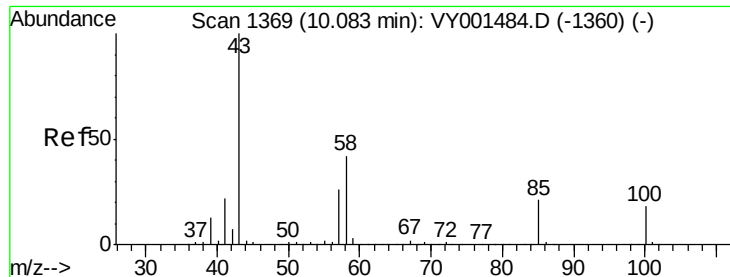
#50
Toluene-d8
Concen: 55.402 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 98 Resp: 397291
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



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

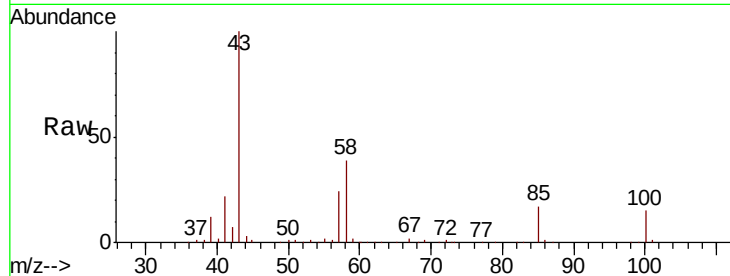




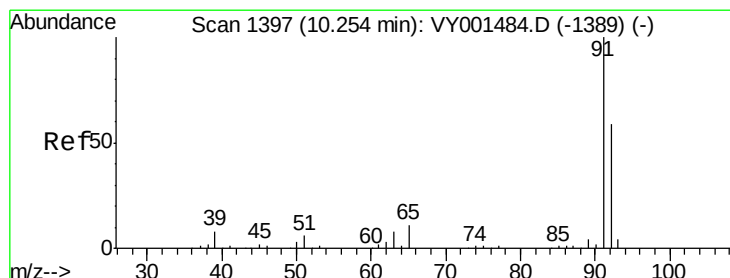
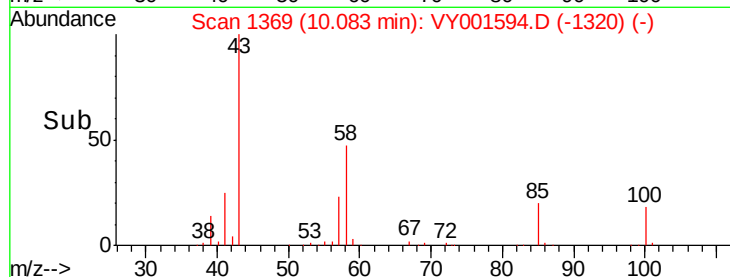
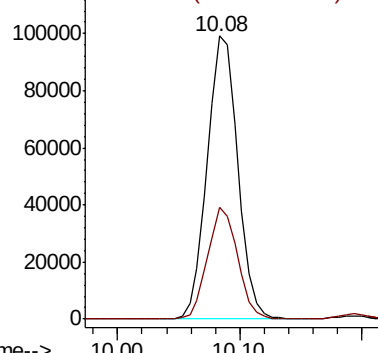
#51
4-Methyl-2-Pentanone
Concen: 121.079 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 171853
Ion Ratio Lower Upper
43 100
58 38.7 33.9 50.9

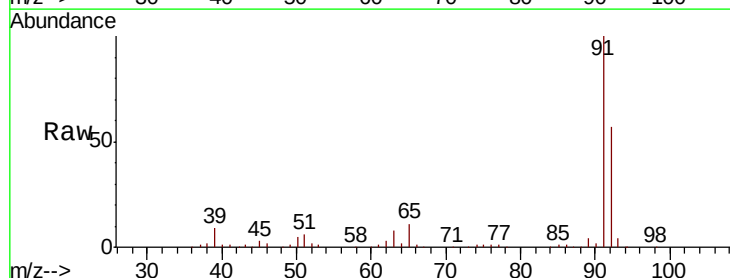


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

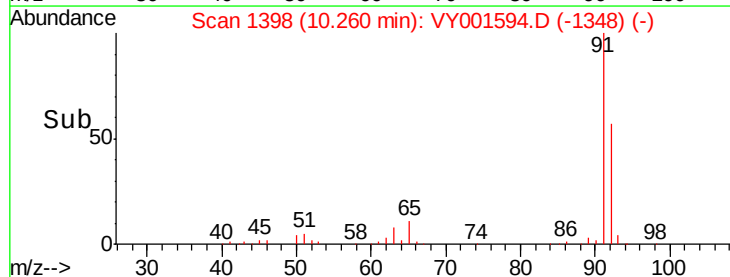
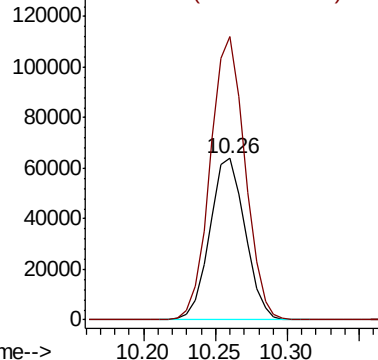


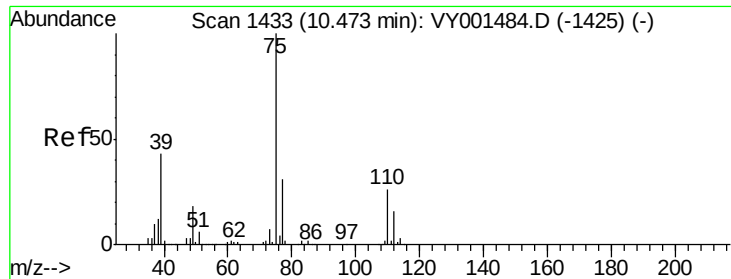
#52
Toluene
Concen: 20.016 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 92 Resp: 108927
Ion Ratio Lower Upper
92 100
91 172.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0
Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 19.105 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

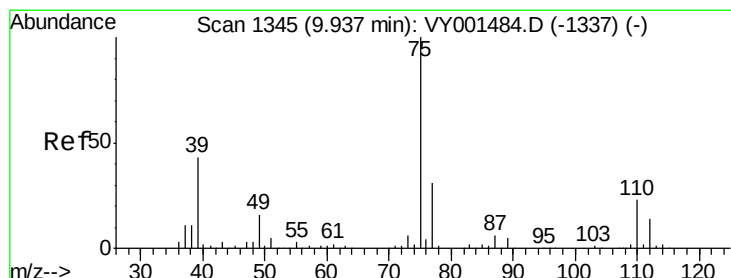
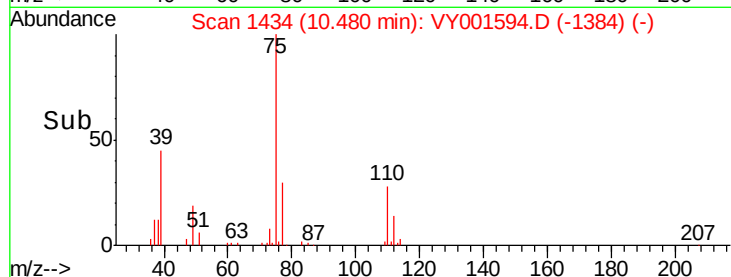
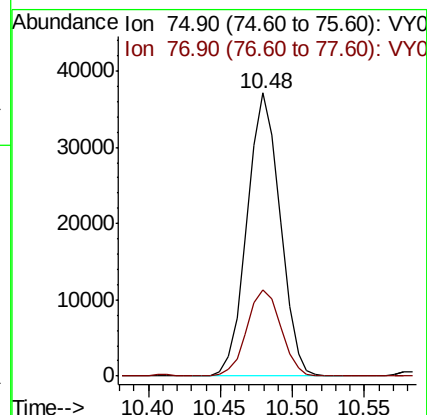
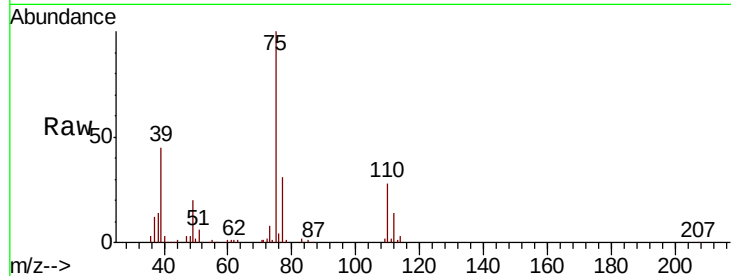
ClientSampleId :

Tot Ion: 75 Resp: 58962

Ion Ratio Lower Upper

75 100

77 30.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.733 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

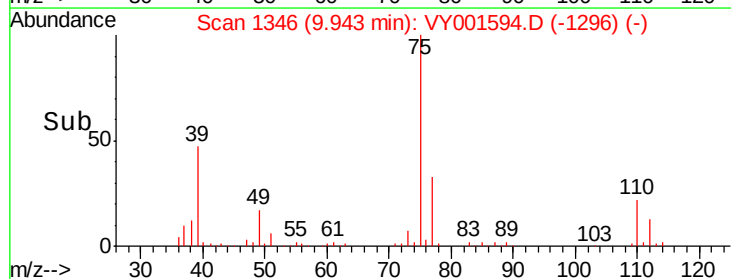
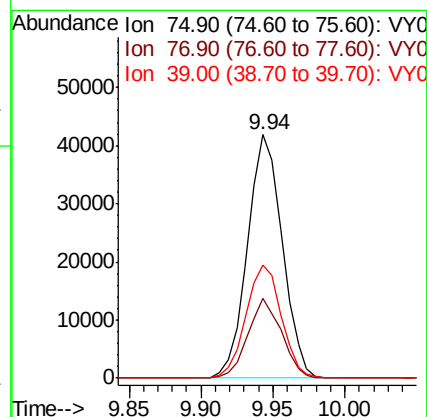
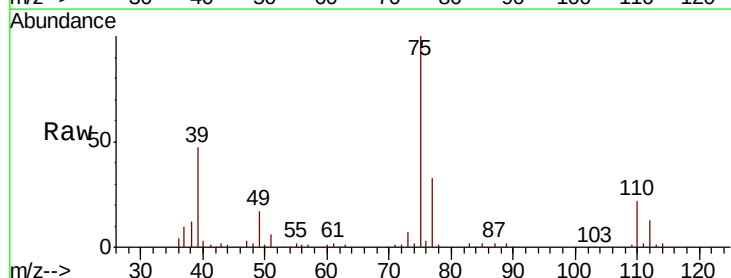
Tgt Ion: 75 Resp: 69919

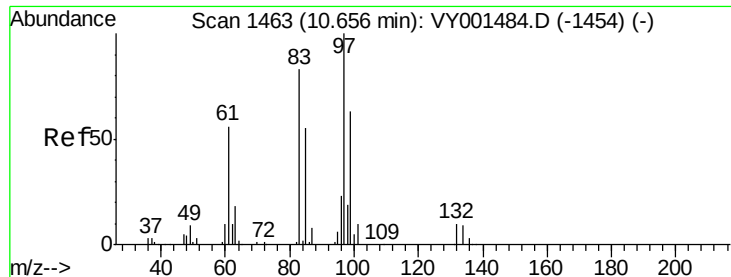
Ion Ratio Lower Upper

75 100

77 32.6 24.7 37.1

39 46.7 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 20.283 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 97 Resp: 33843

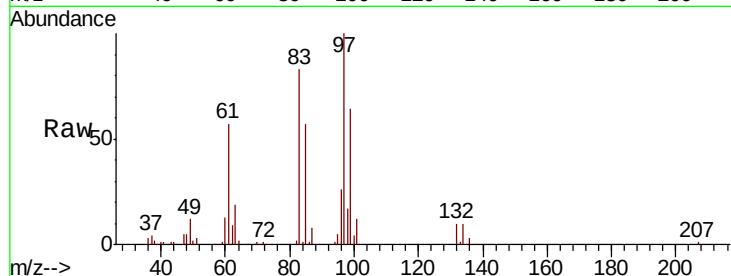
Ion Ratio Lower Upper

97 100

83 83.4 66.2 99.2

85 57.2 43.8 65.6

99 63.6 50.1 75.1



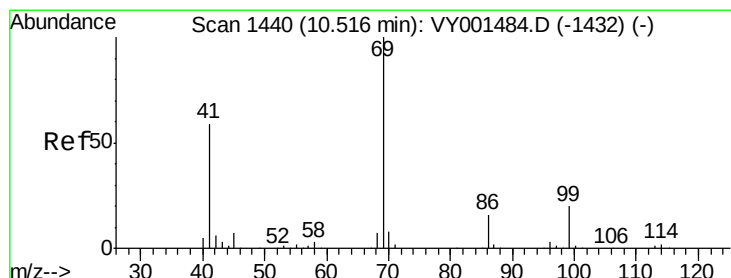
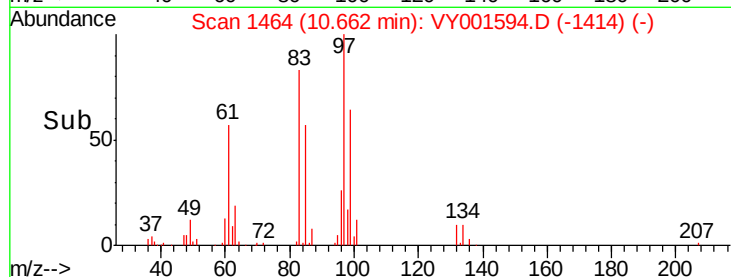
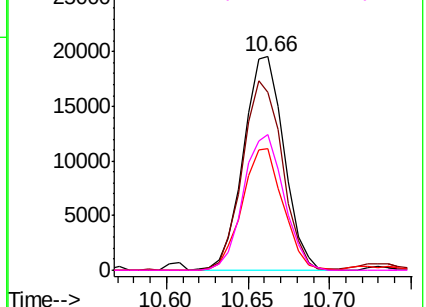
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 21.161 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

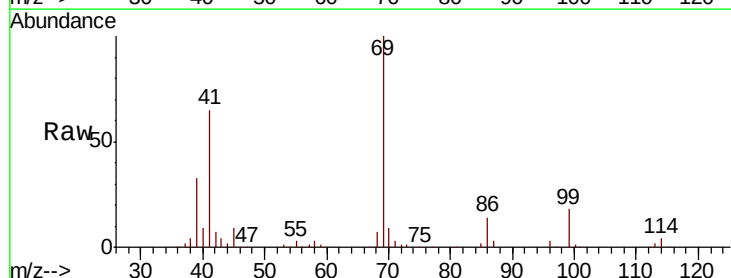
Tgt Ion: 69 Resp: 50221

Ion Ratio Lower Upper

69 100

41 65.2 47.8 71.8

39 32.3 24.4 36.6

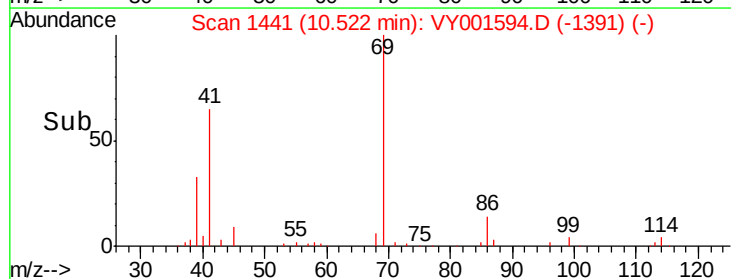
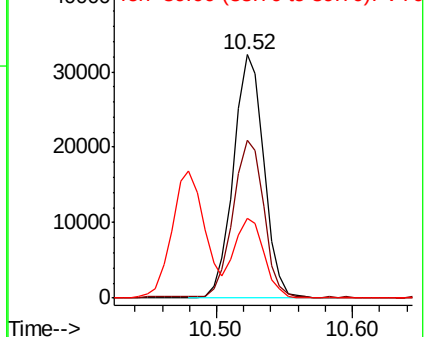


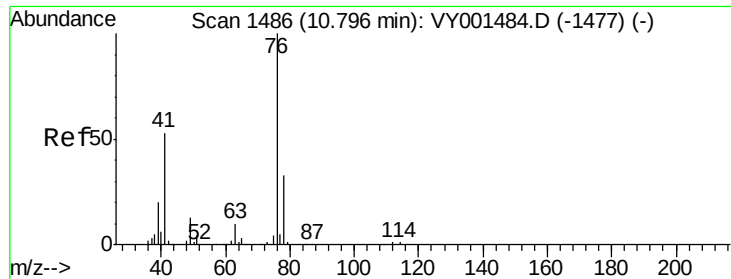
Abundance

Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 20.107 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

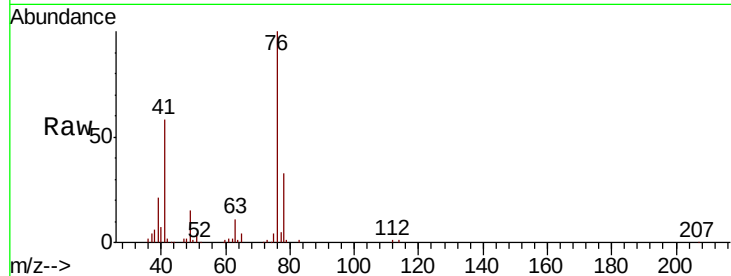
ClientSampleId :

Tot Ion: 76 Resp: 59140

Ion Ratio Lower Upper

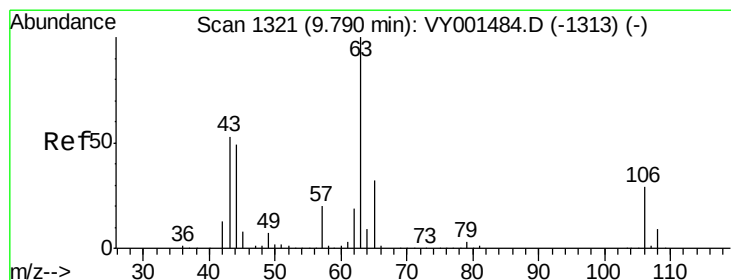
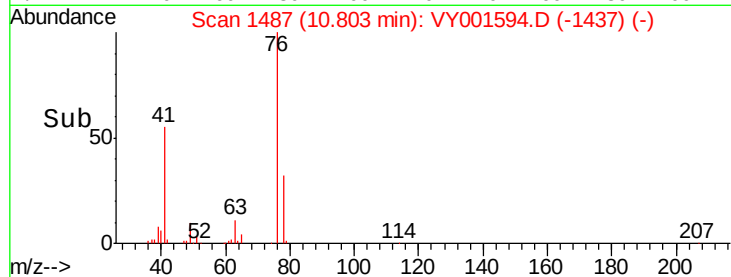
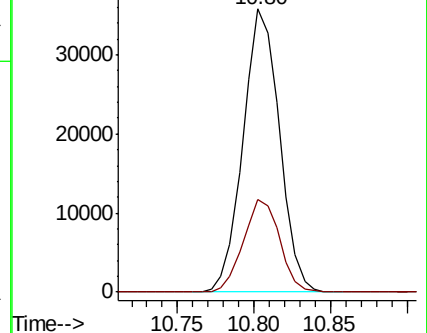
76 100

78 32.8 25.7 38.5



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: 107.312 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VY001594.D

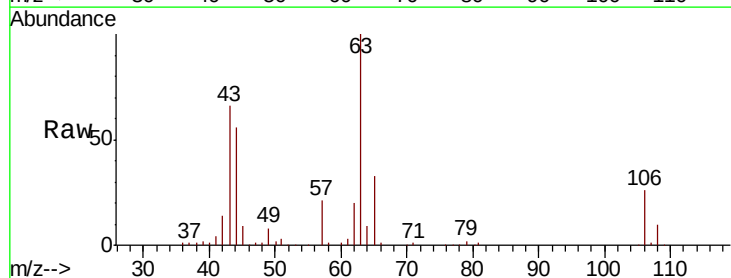
Acq: 11 Feb 2020 11:37

Tgt Ion: 63 Resp: 93689

Ion Ratio Lower Upper

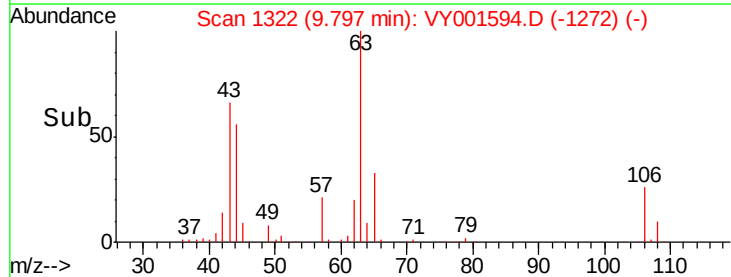
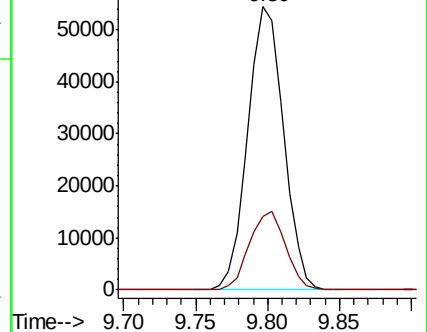
63 100

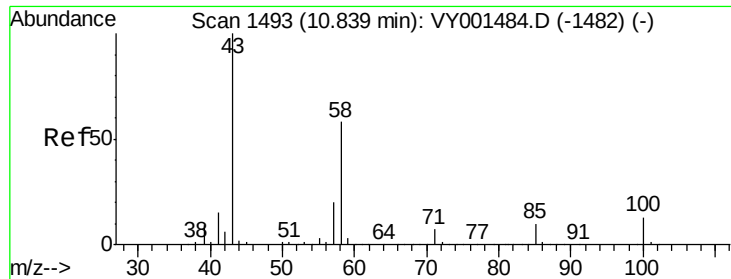
106 28.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

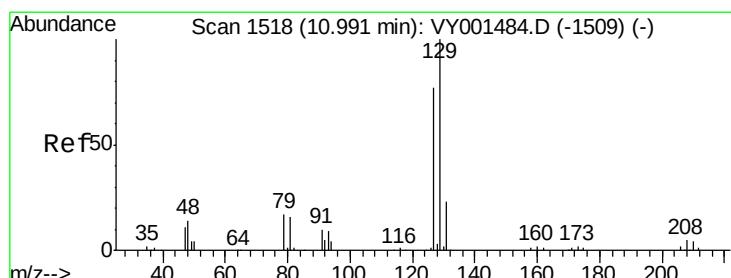
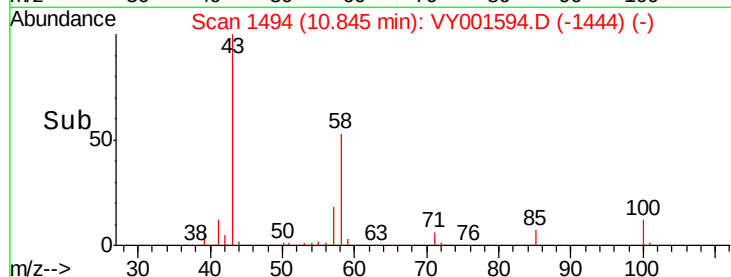
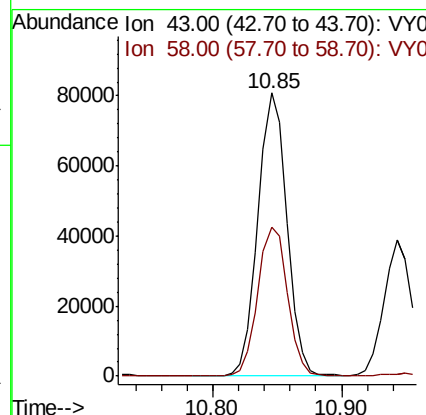
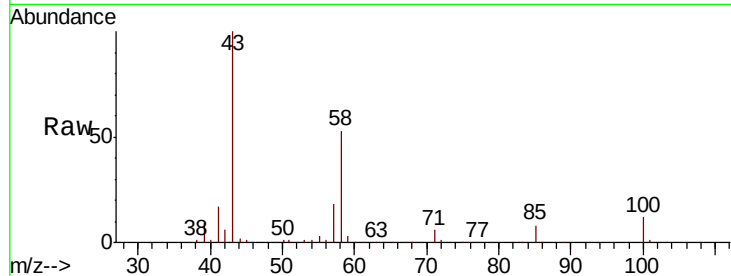




#59
2-Hexanone
Concen: 121.827 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

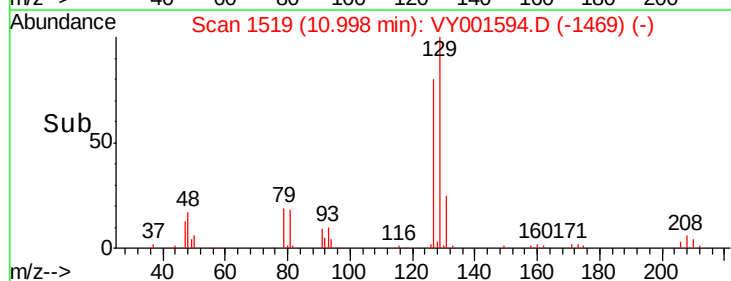
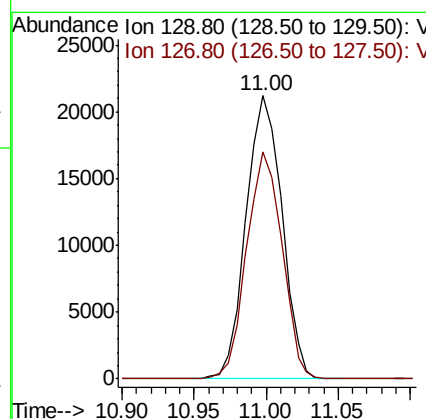
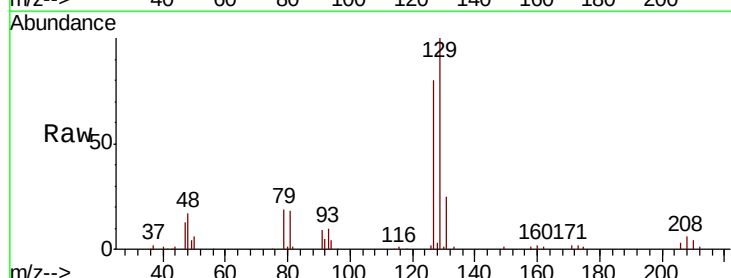
Instrument :
MSVOA_Y
ClientSampled :

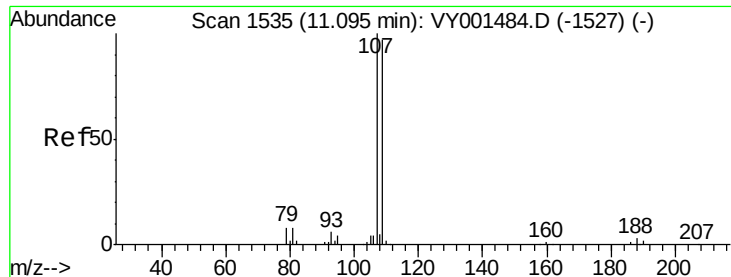
Tot Ion: 43 Resp: 125724
Ion Ratio Lower Upper
43 100
58 53.9 29.0 87.0



#60
Dibromochloromethane
Concen: 18.668 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 129 Resp: 36716
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.6

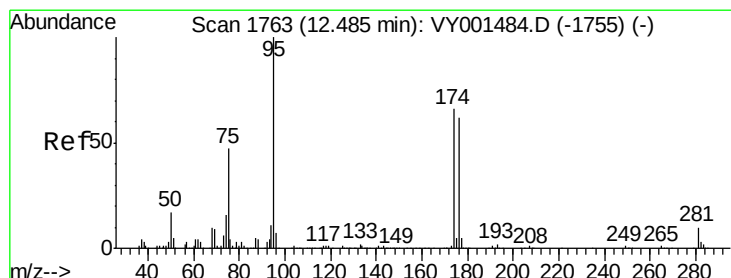
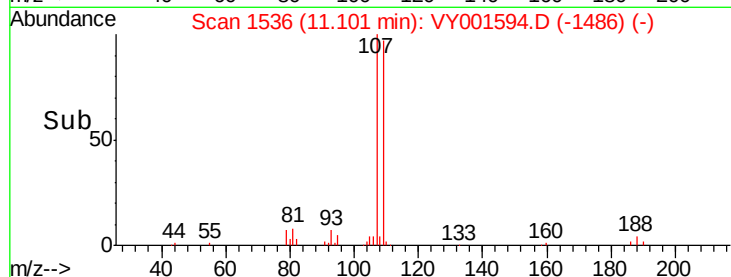
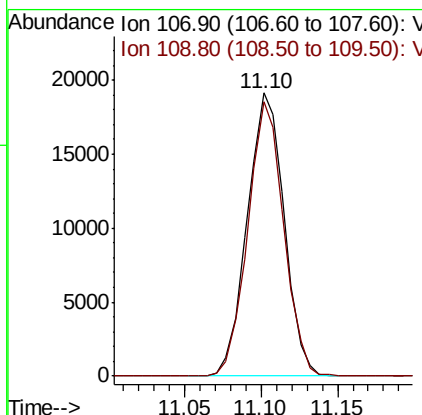
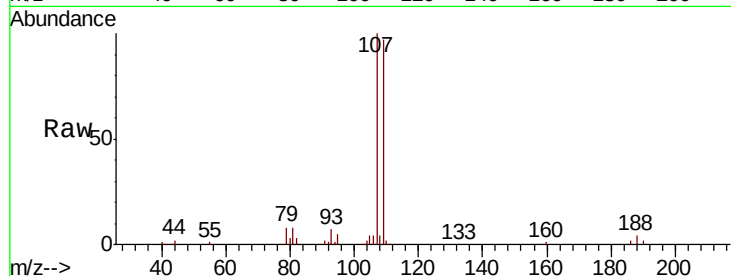




#61
 1,2-Dibromoethane
 Concen: 19.526 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

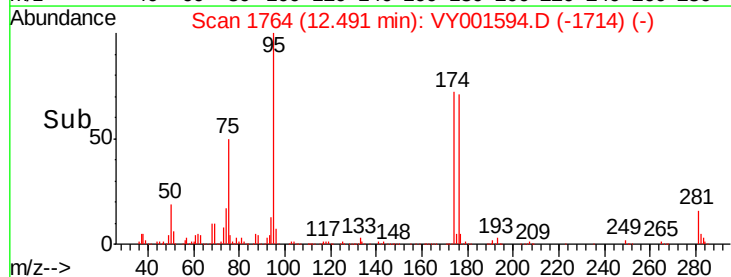
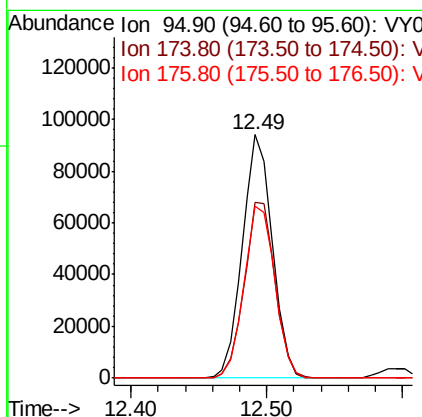
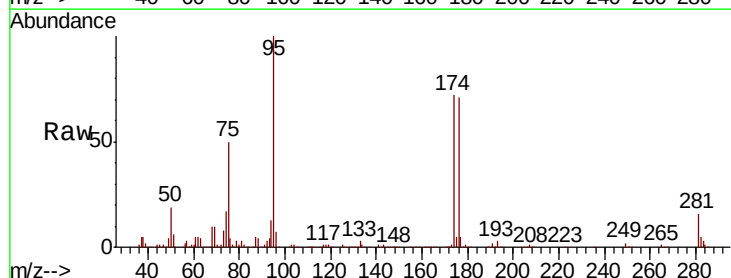
Instrument :
 MSVOA_Y
 ClientSampleId :

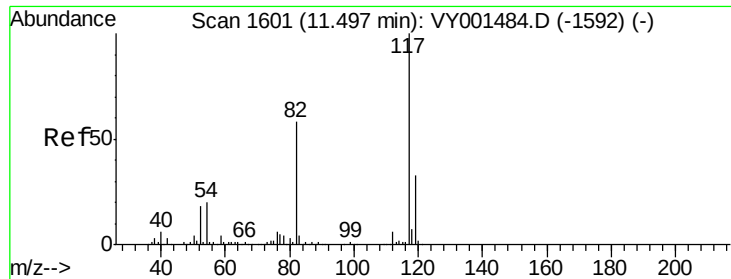
Tot Ion:107 Resp: 32090
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 51.220 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion: 95 Resp: 144698
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 141.4
 176 73.0 0.0 135.4

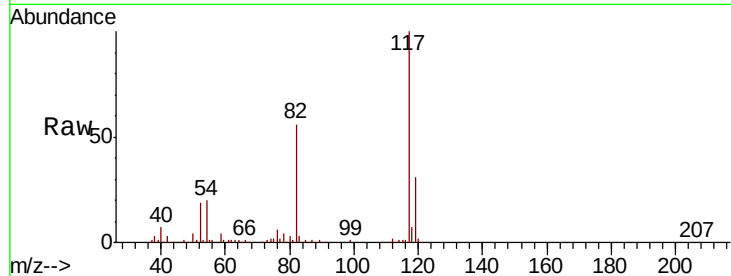




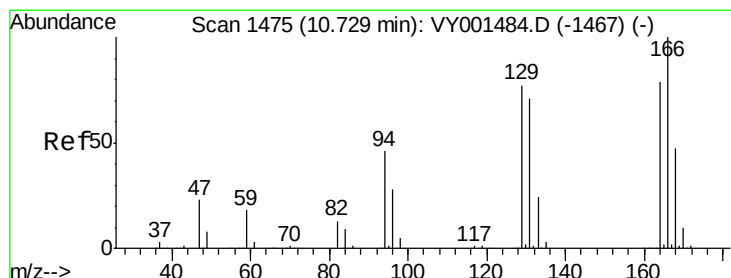
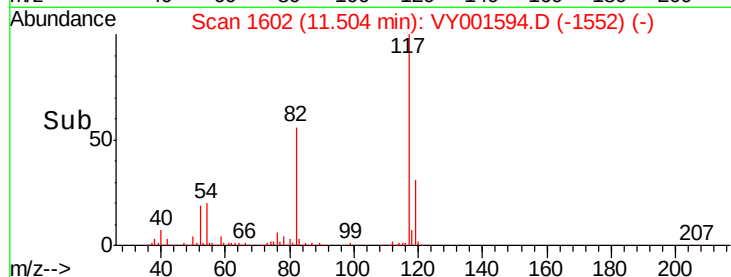
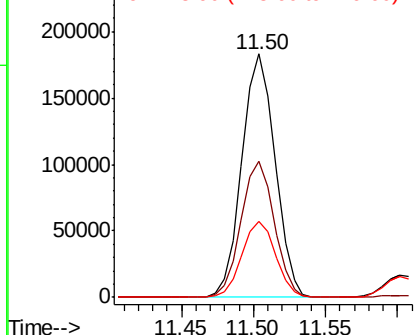
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 293544
Ion Ratio Lower Upper
117 100
82 56.0 46.1 69.1
119 31.2 26.1 39.1

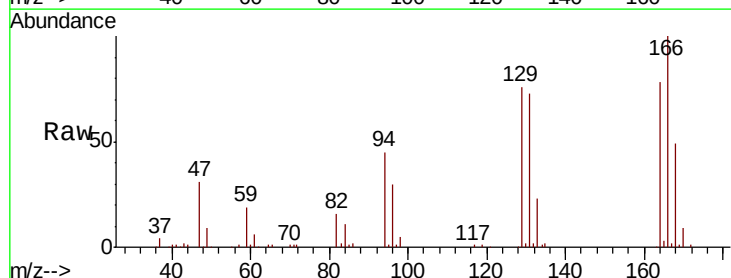


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

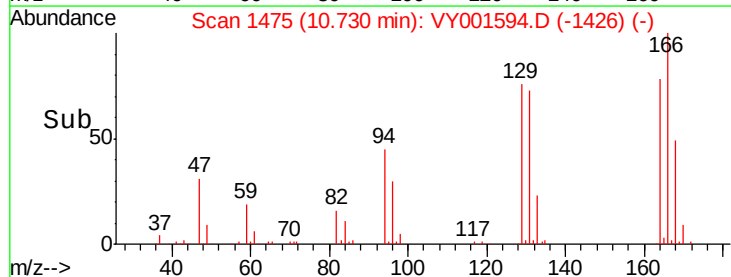
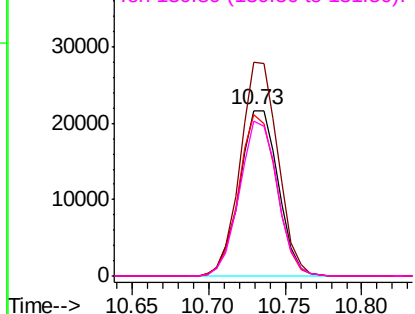


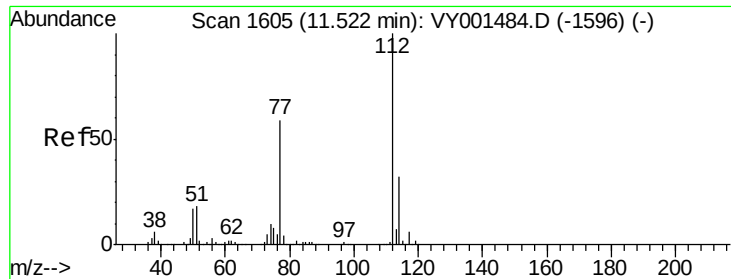
#64
Tetrachloroethene
Concen: 19.800 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion:164 Resp: 38116
Ion Ratio Lower Upper
164 100
166 128.9 100.8 151.2
129 97.4 77.8 116.6
131 93.7 72.0 108.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.741 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

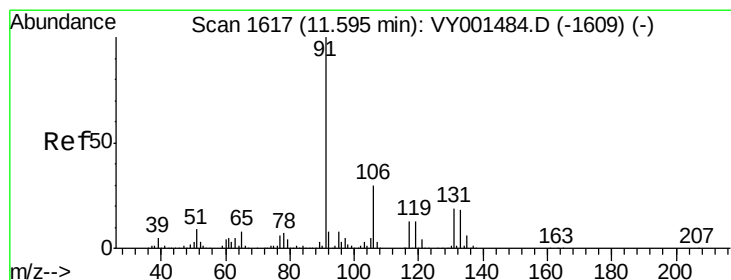
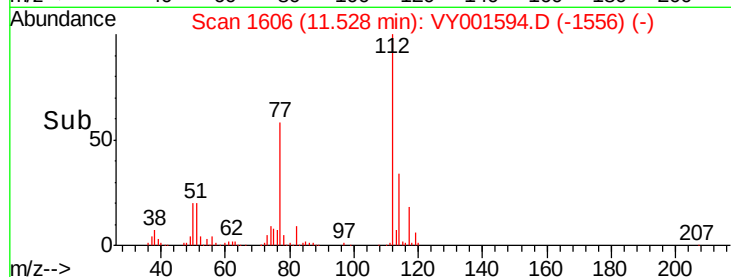
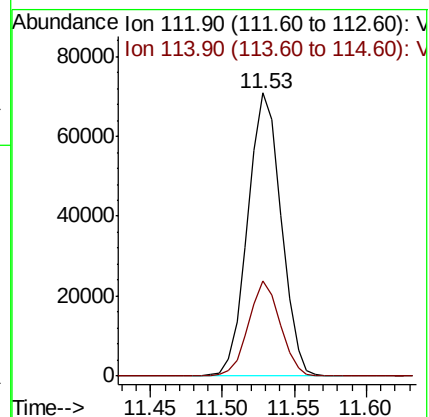
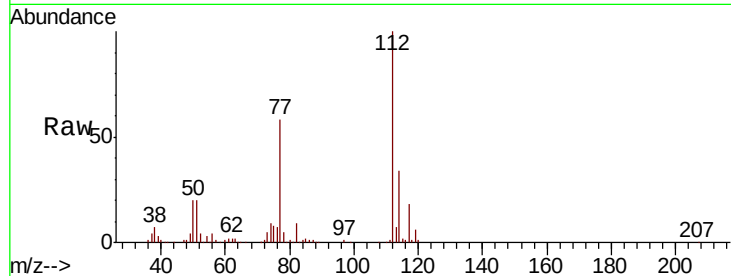
ClientSampleId :

Tot Ion:112 Resp: 113783

Ion Ratio Lower Upper

112 100

114 33.8 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 19.467 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

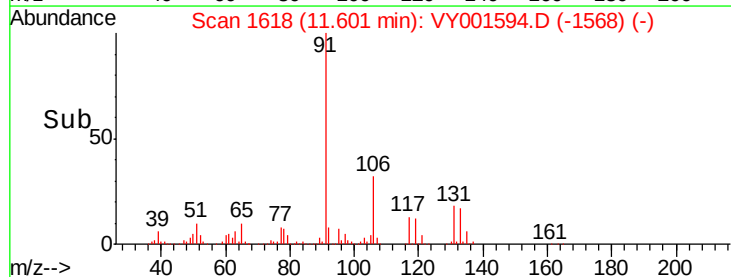
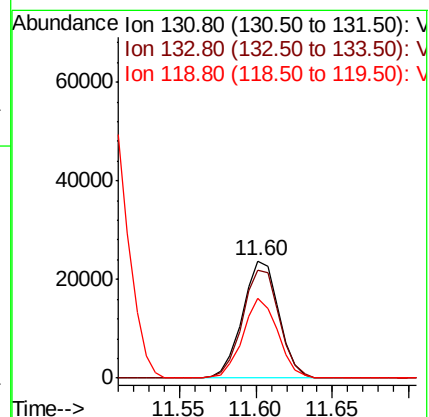
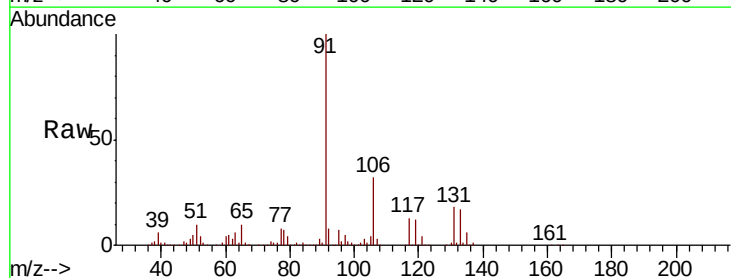
Tgt Ion:131 Resp: 39269

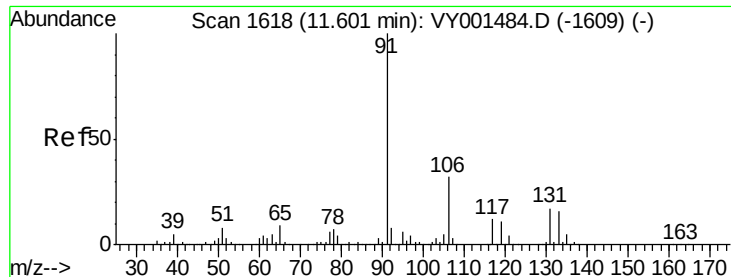
Ion Ratio Lower Upper

131 100

133 93.2 47.9 143.8

119 65.4 33.7 101.0

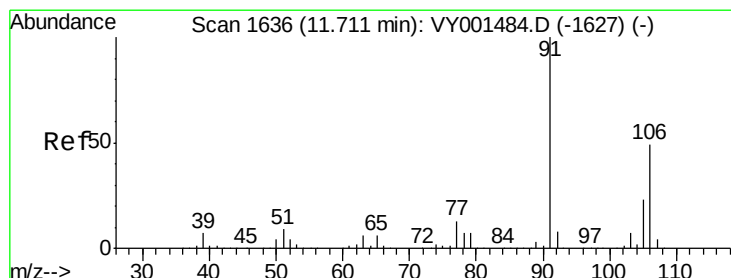
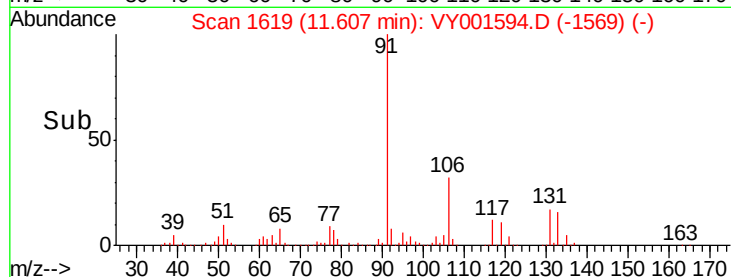
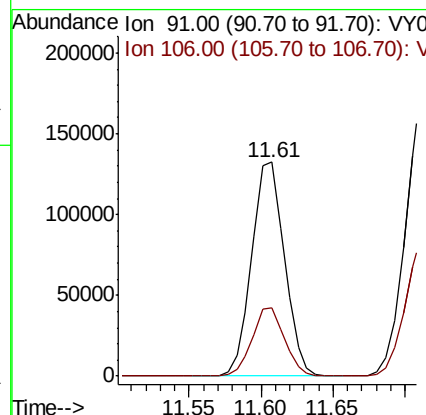
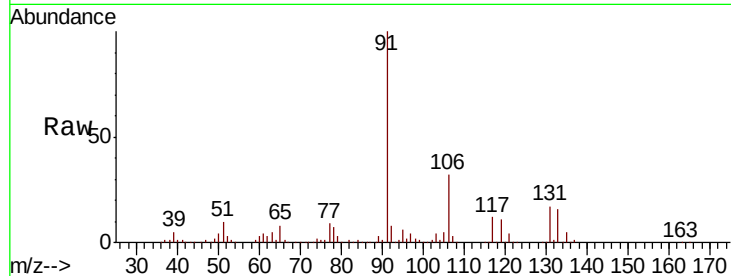




#67
Ethyl Benzene
Concen: 19.530 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

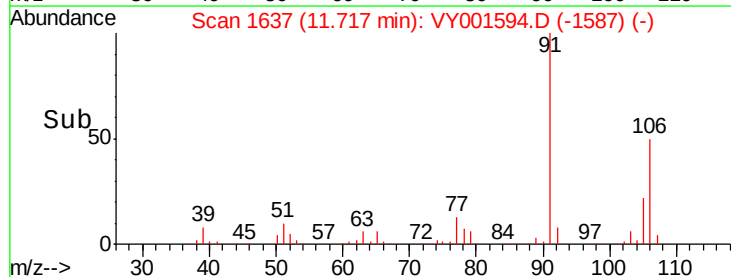
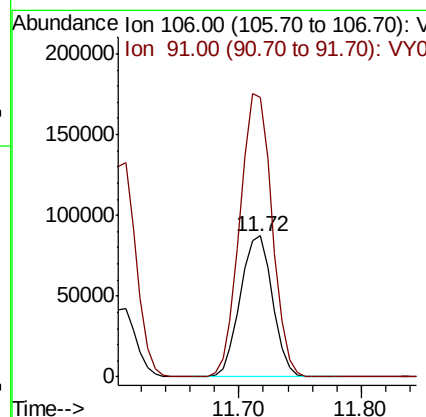
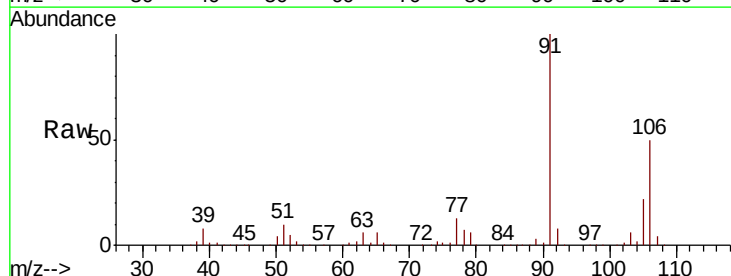
Instrument :
MSVOA_Y
ClientSampleId :

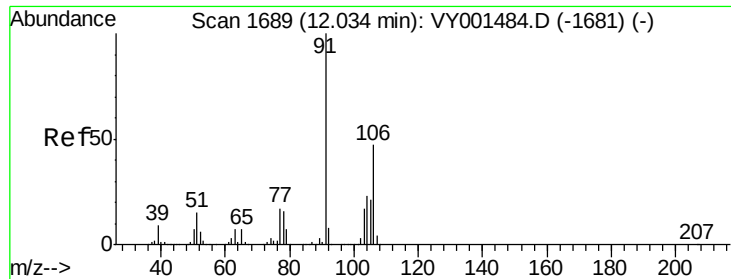
Tot Ion: 91 Resp: 208128
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9



#68
m/p-Xylenes
Concen: 39.857 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 106 Resp: 159453
Ion Ratio Lower Upper
106 100
91 200.2 163.6 245.4

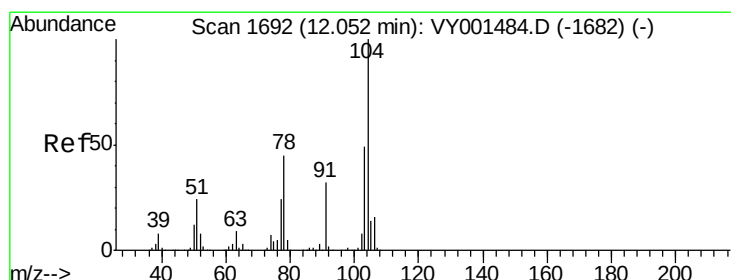
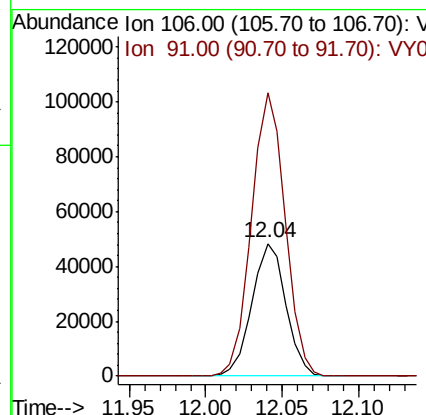
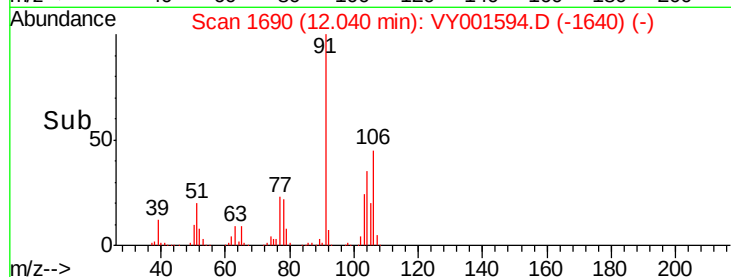
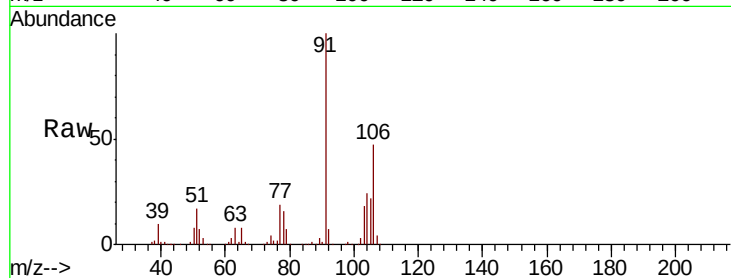




#69
o-Xylene
Concen: 19.755 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

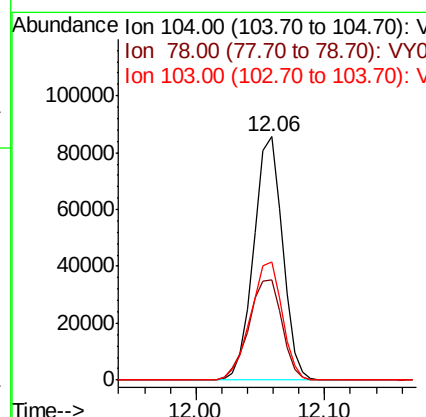
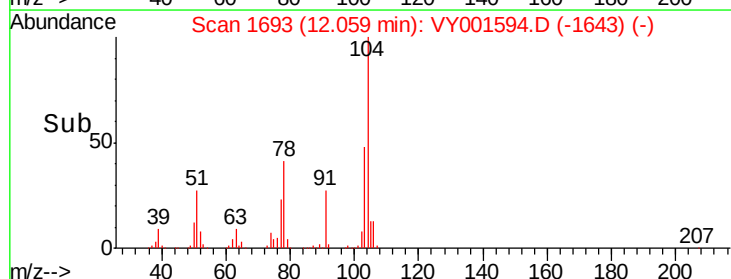
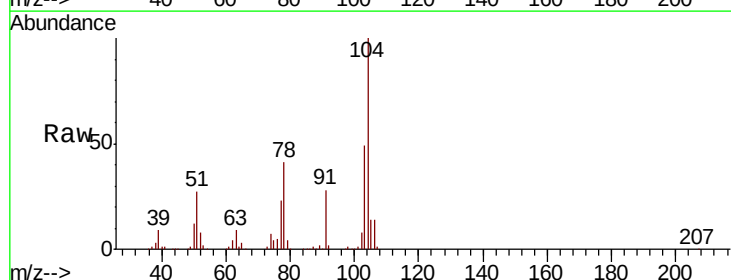
Instrument :
MSVOA_Y
ClientSampleId :

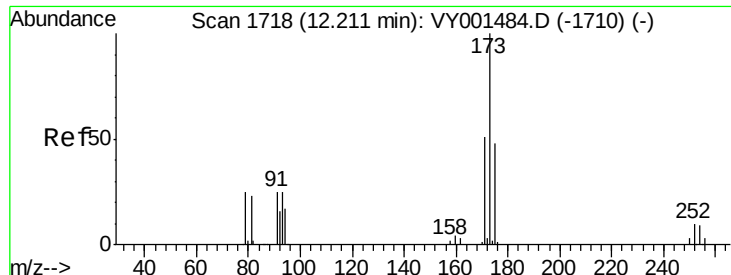
Tot Ion:106 Resp: 74517
Ion Ratio Lower Upper
106 100
91 212.9 106.0 318.0



#70
Styrene
Concen: 20.173 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion:104 Resp: 131592
Ion Ratio Lower Upper
104 100
78 47.7 40.4 60.6
103 53.4 42.8 64.2





#71

Bromoform

Concen: 19.600 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

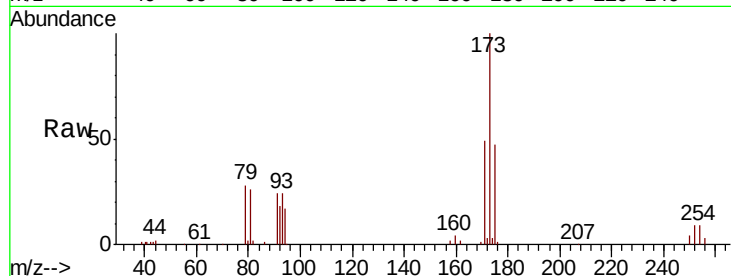
Tot Ion:173 Resp: 22016

Ion Ratio Lower Upper

173 100

175 47.7 24.0 72.0

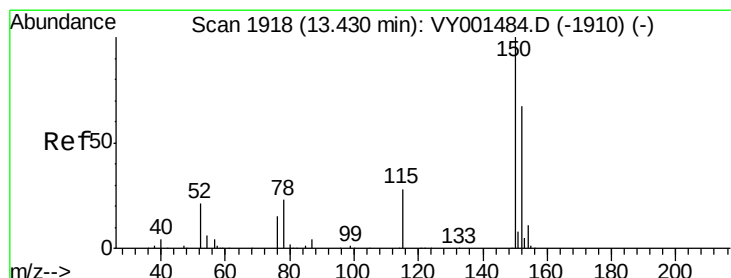
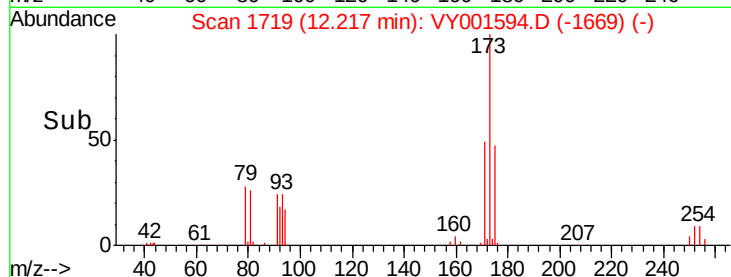
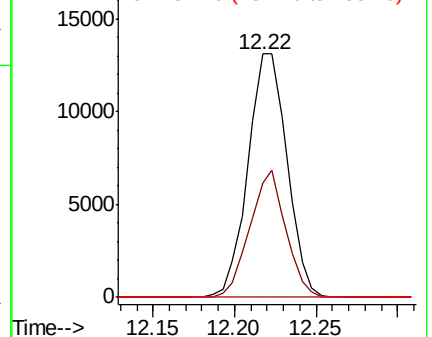
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

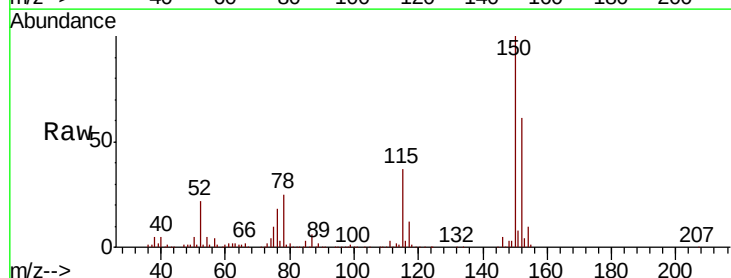
Tgt Ion:152 Resp: 140938

Ion Ratio Lower Upper

152 100

115 60.9 31.4 94.3

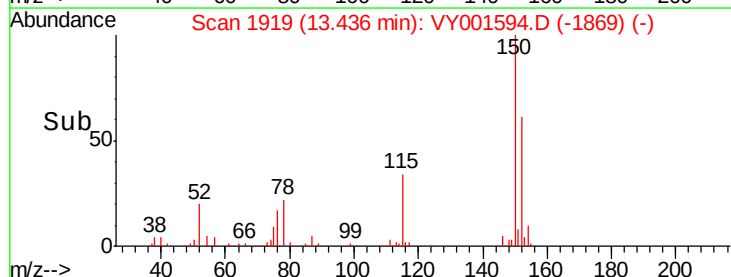
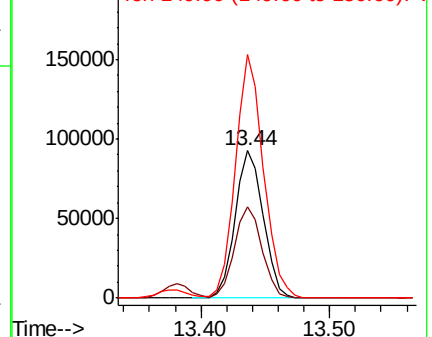
150 164.9 0.0 346.8

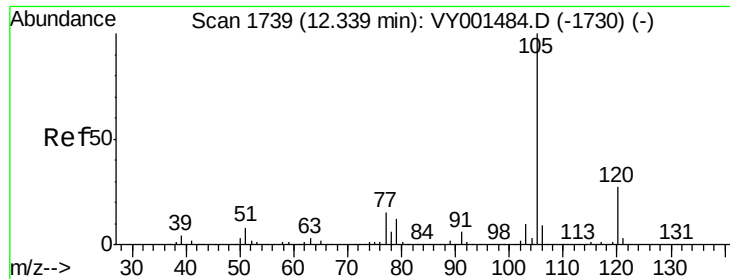


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.919 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

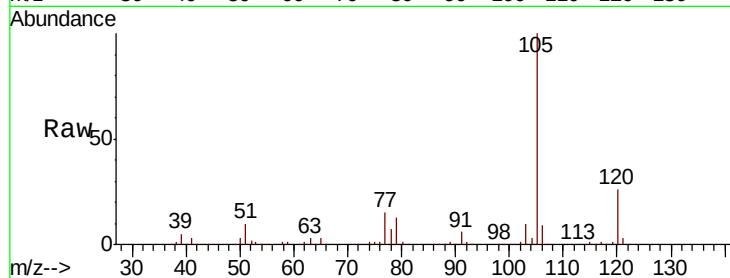
ClientSampleId :

Tot Ion:105 Resp: 203367

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

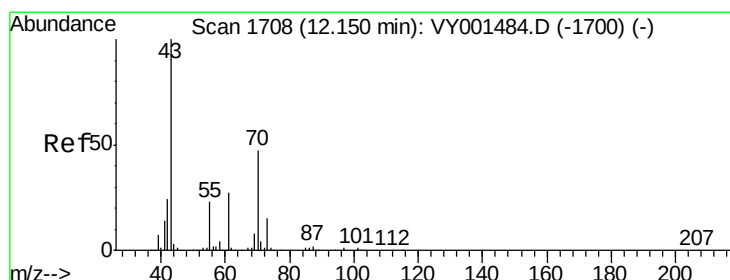
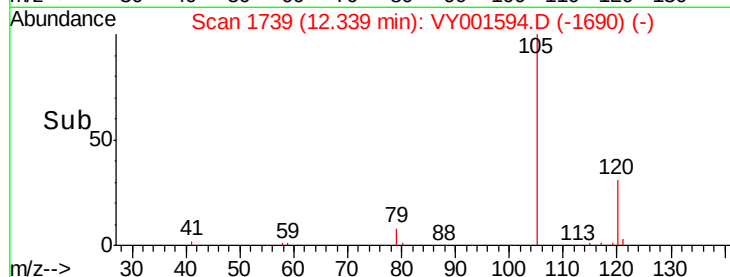
150000

100000

50000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 22.794 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Tgt Ion: 43 Resp: 63667

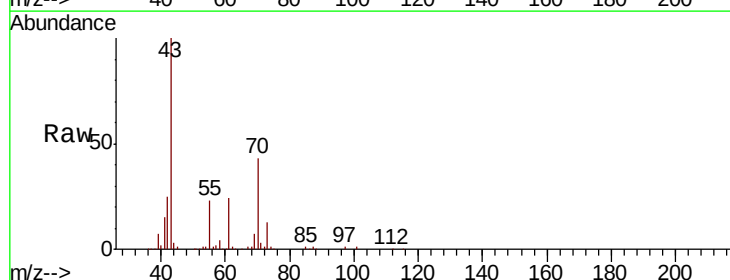
Ion Ratio Lower Upper

43 100

70 41.7 37.2 55.8

55 22.8 18.8 28.2

61 24.3 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

12.16

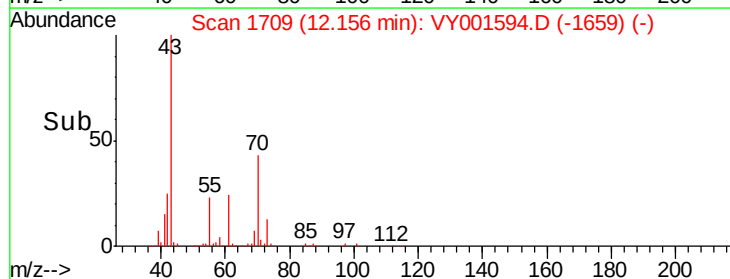
60000

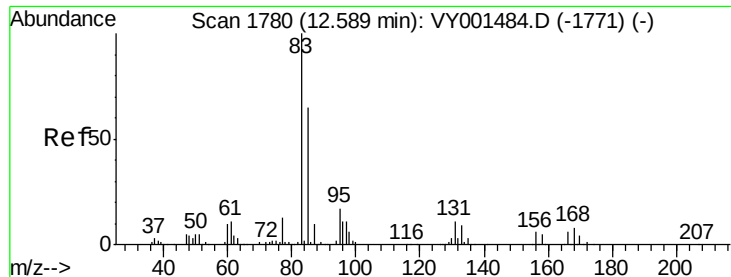
40000

20000

0

Time--> 12.05 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.455 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

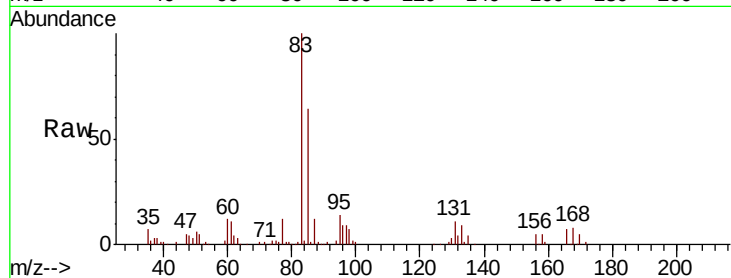
Tot Ion: 83 Resp: 41775

Ion Ratio Lower Upper

83 100

131 10.0 5.4 16.2

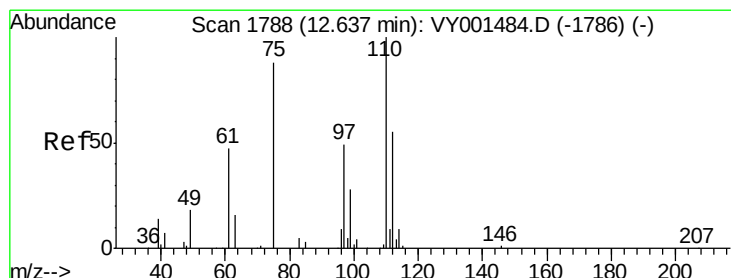
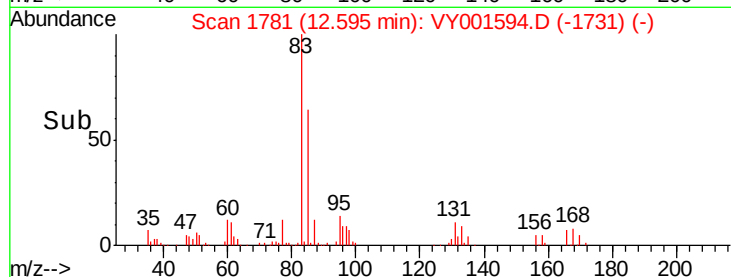
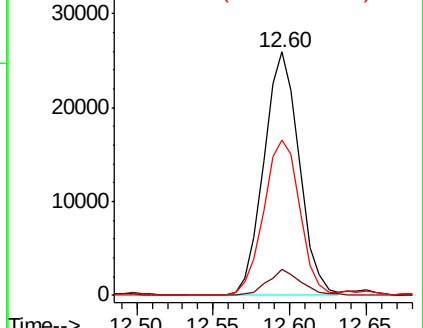
85 65.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VY001594.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY001594.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY001594.D (-1771) (-)



#76

1,2,3-Trichloropropane

Concen: 36.386 ug/l

RT: 12.65 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VY001594.D

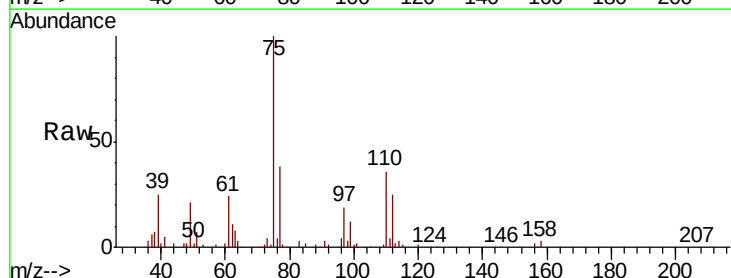
Acq: 11 Feb 2020 11:37

Tgt Ion: 75 Resp: 55149

Ion Ratio Lower Upper

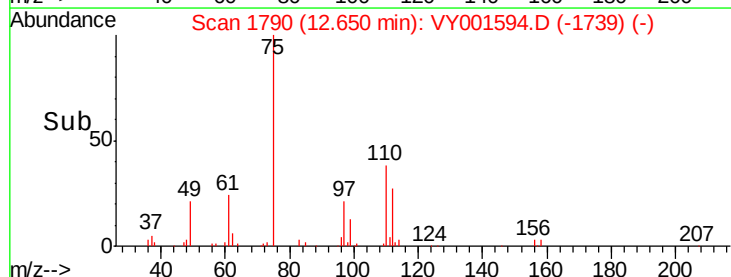
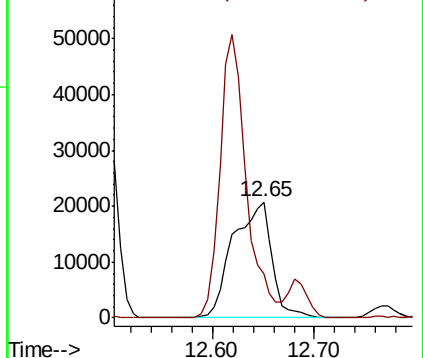
75 100

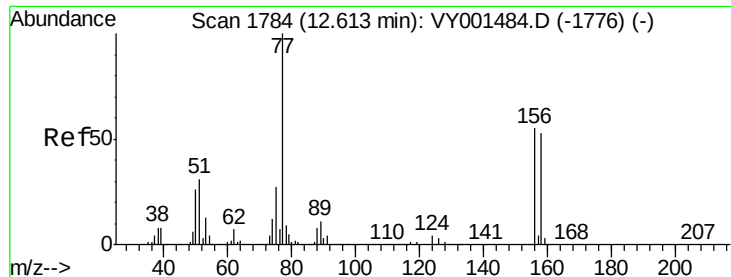
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001594.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY001594.D (-1739) (-)





#77

Bromobenzene

Concen: 18.895 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

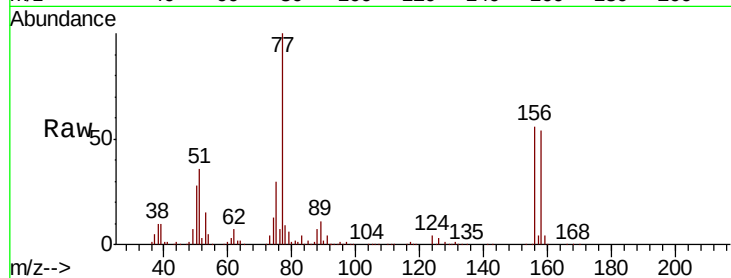
Tot Ion:156 Resp: 43954

Ion Ratio Lower Upper

156 100

77 206.7 99.8 299.3

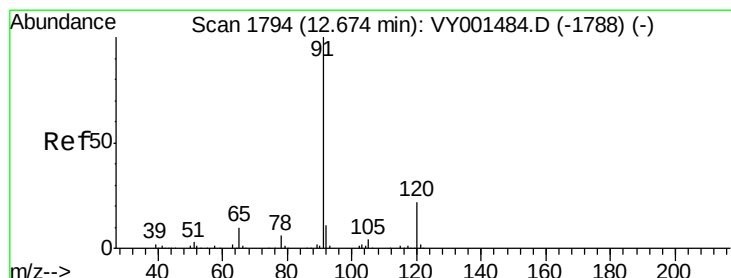
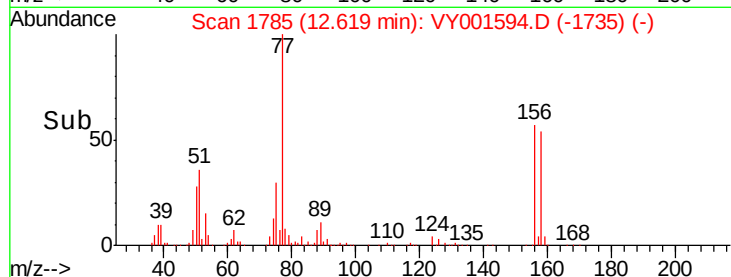
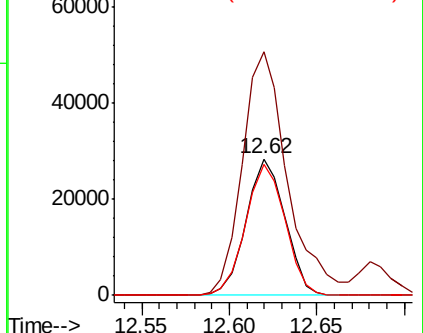
158 97.3 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.380 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001594.D

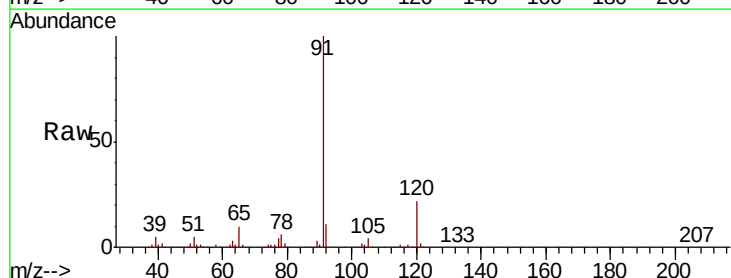
Acq: 11 Feb 2020 11:37

Tgt Ion: 91 Resp: 249393

Ion Ratio Lower Upper

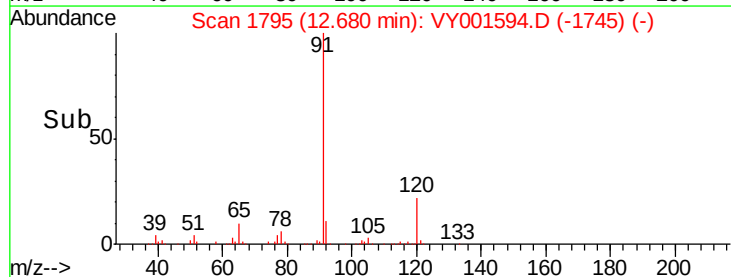
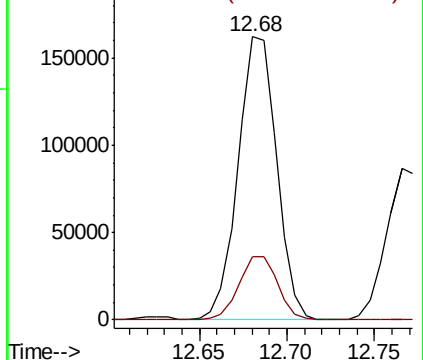
91 100

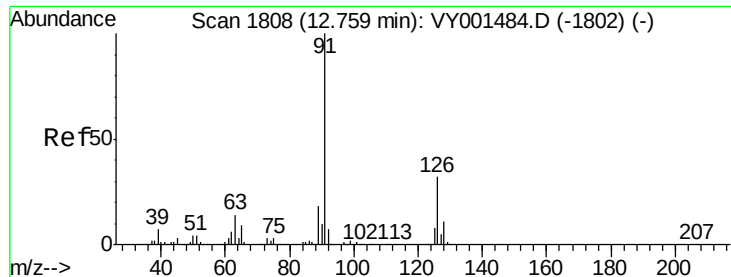
120 22.5 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.686 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

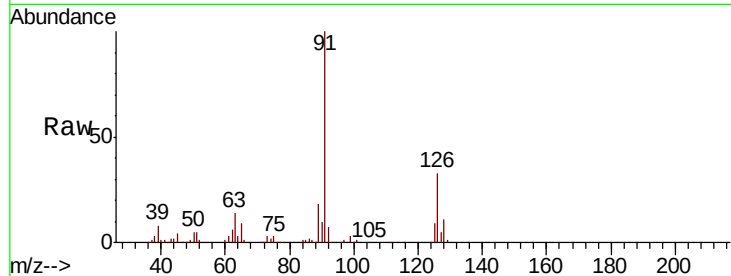
ClientSampled :

Tot Ion: 91 Resp: 137063

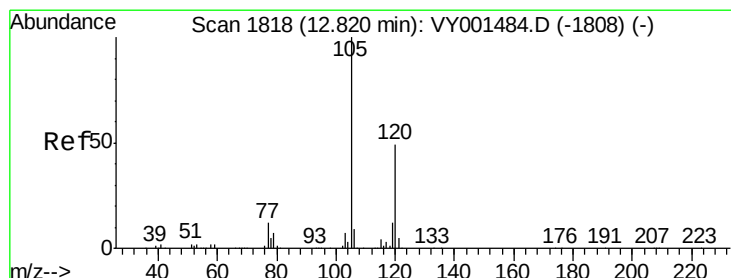
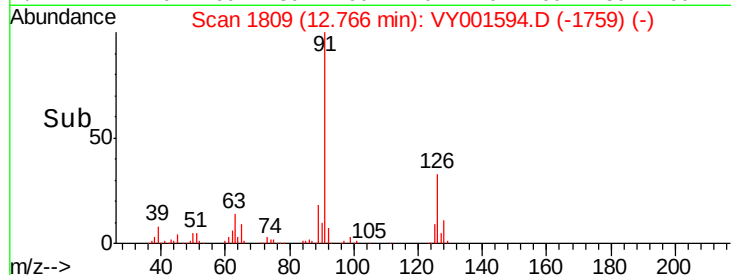
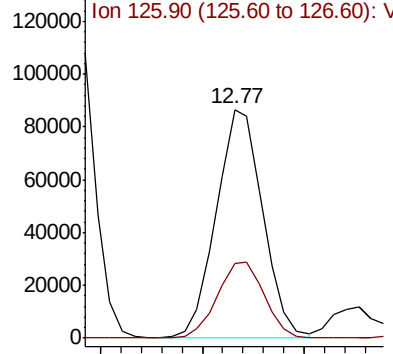
Ion Ratio Lower Upper

91 100

126 33.5 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY001594.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.841 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001594.D

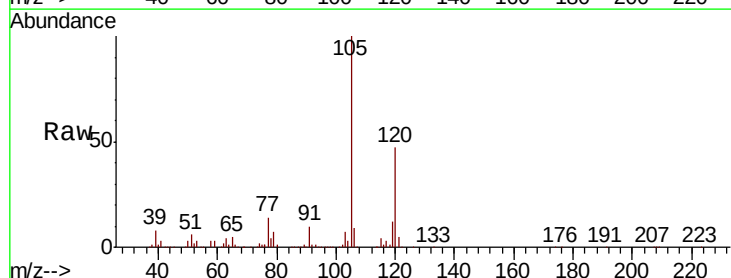
Acq: 11 Feb 2020 11:37

Tgt Ion: 105 Resp: 170562

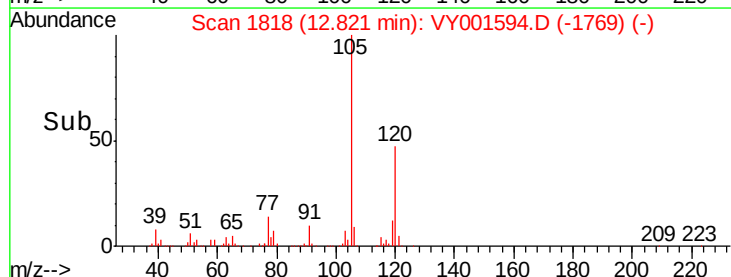
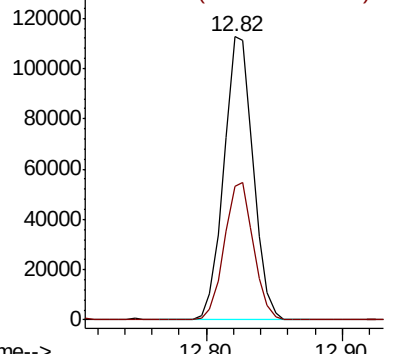
Ion Ratio Lower Upper

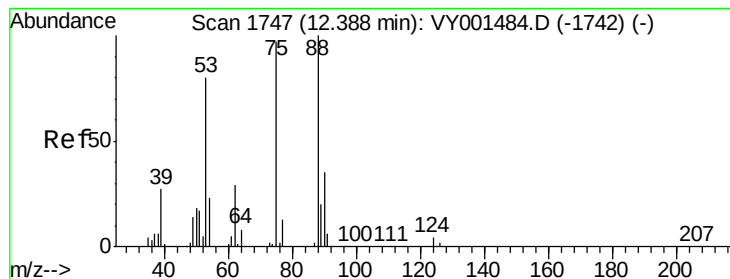
105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001594.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.086 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

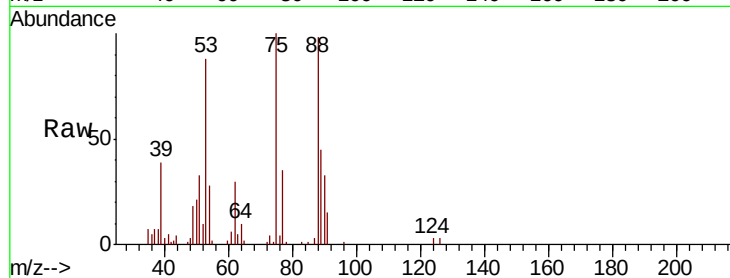
Tot Ion: 75 Resp: 14950

Ion Ratio Lower Upper

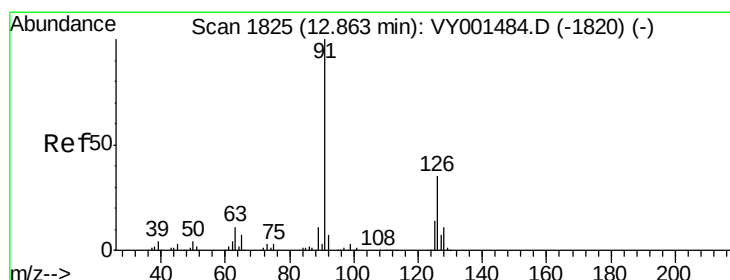
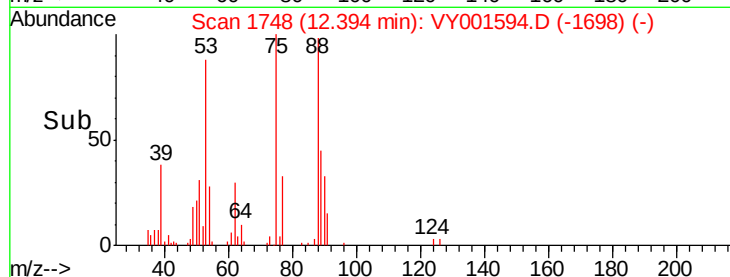
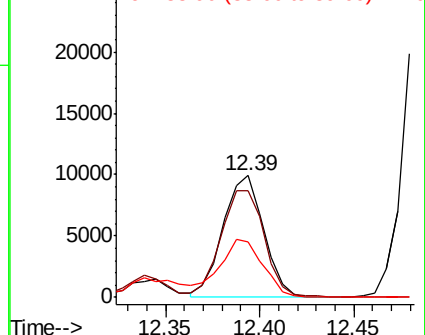
75 100

53 94.1 67.7 101.5

89 51.0 34.6 52.0



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: 18.926 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001594.D

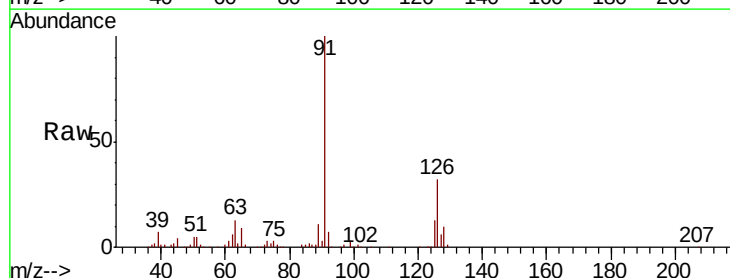
Acq: 11 Feb 2020 11:37

Tgt Ion: 91 Resp: 145556

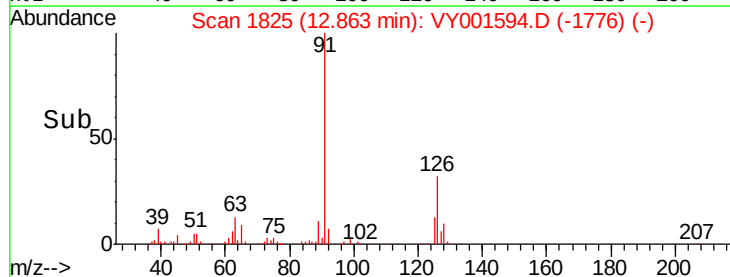
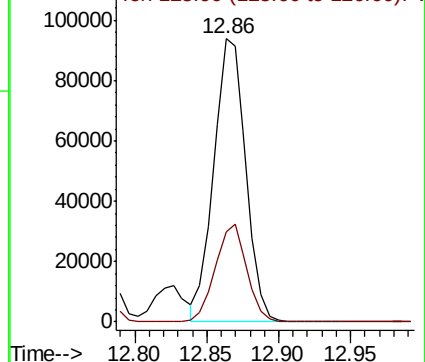
Ion Ratio Lower Upper

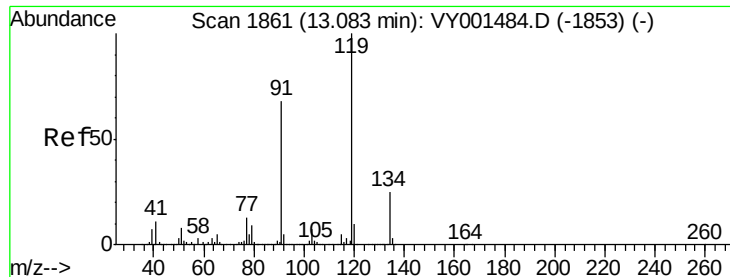
91 100

126 33.8 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

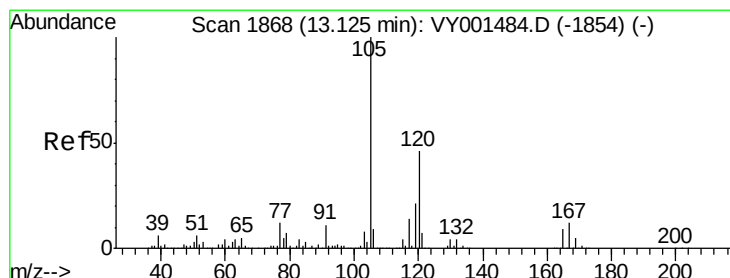
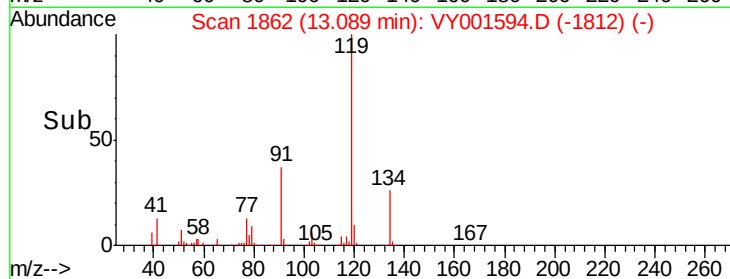
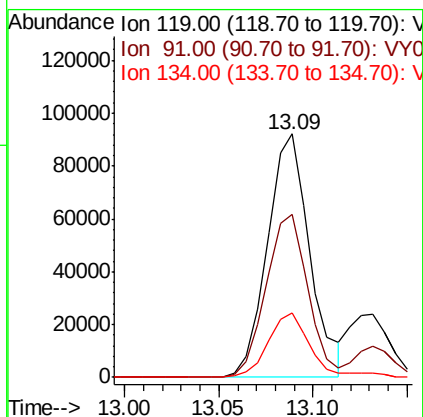
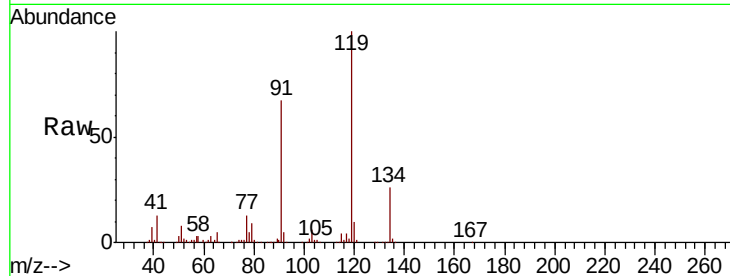




#83
 tert-Butylbenzene
 Concen: 18.843 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

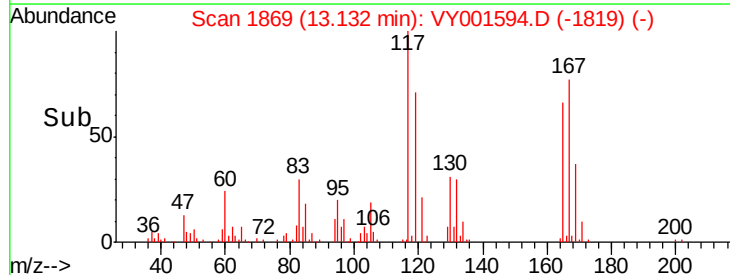
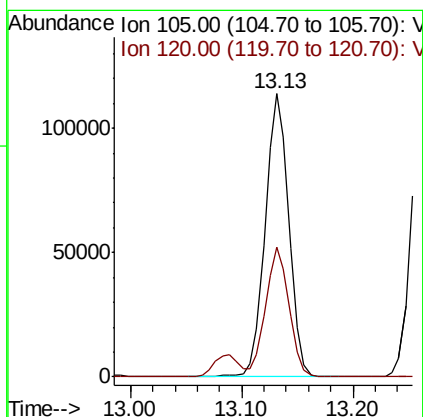
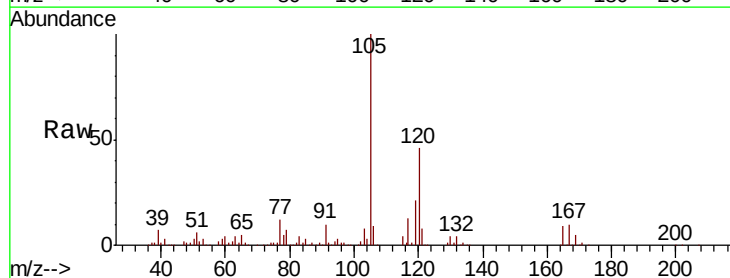
Instrument :
 MSVOA_Y
 ClientSampled :

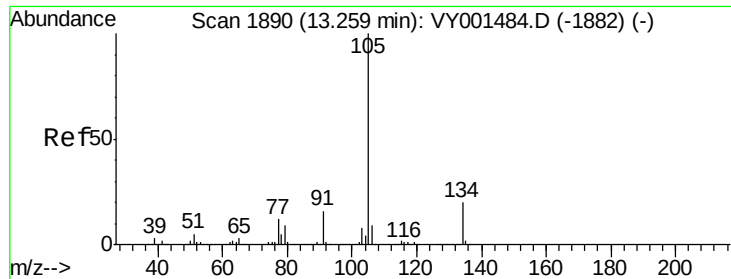
Tot Ion:119 Resp: 144183
 Ion Ratio Lower Upper
 119 100
 91 65.8 33.1 99.3
 134 26.5 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.861 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion:105 Resp: 168992
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.0





#85

sec-Butylbenzene

Concen: 19.246 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

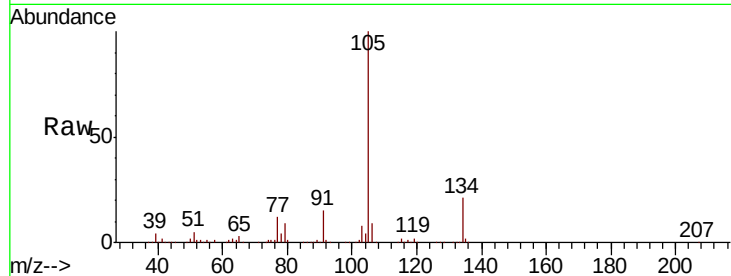
ClientSampleId :

Tot Ion:105 Resp: 207059

Ion Ratio Lower Upper

105 100

134 20.3 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

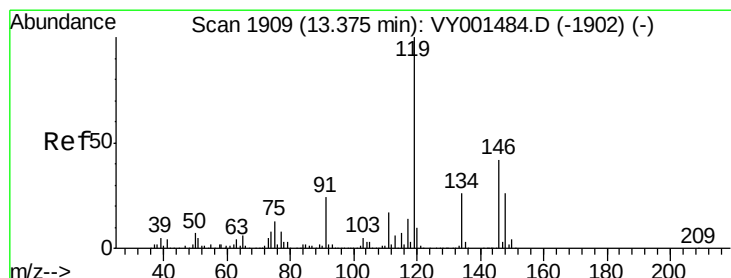
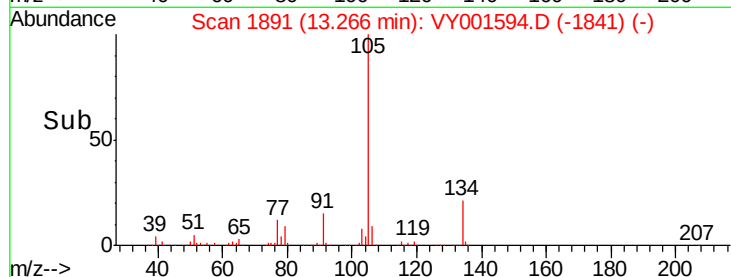
150000

100000

50000

0

Time--> 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 19.279 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

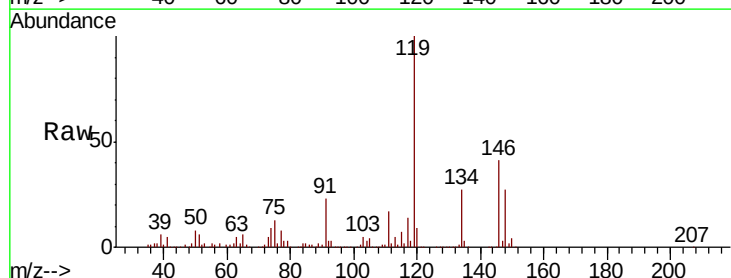
Tgt Ion:119 Resp: 182775

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.3 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

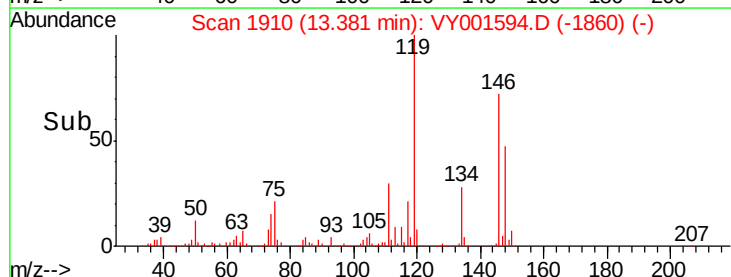
150000

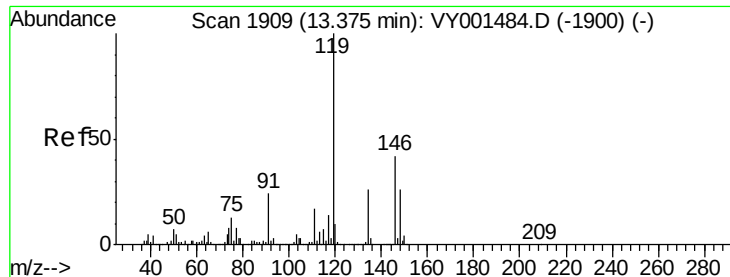
100000

50000

0

Time--> 13.30 13.35 13.40 13.45

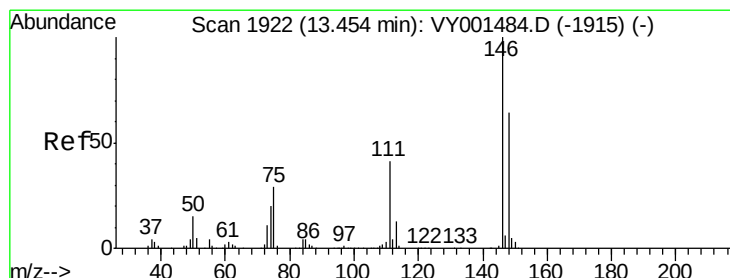
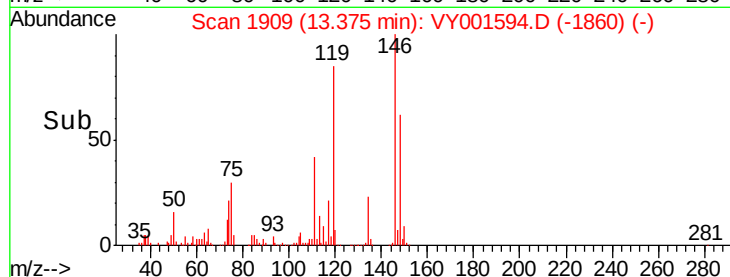
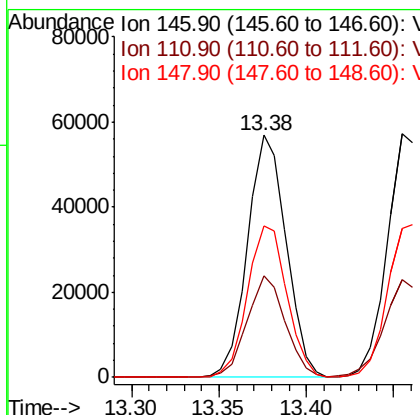
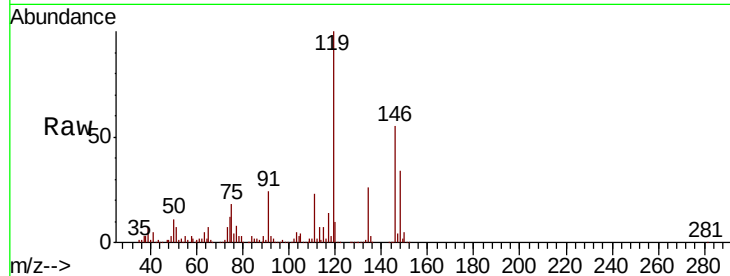




#87
 1,3-Dichlorobenzene
 Concen: 19.591 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

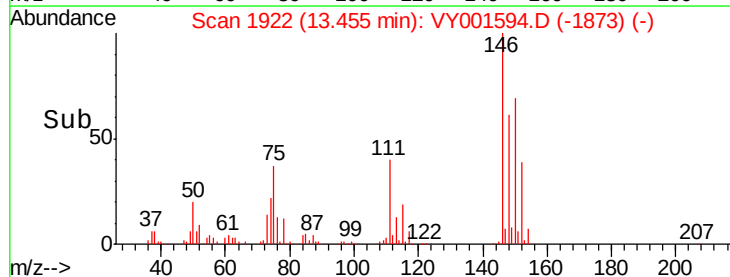
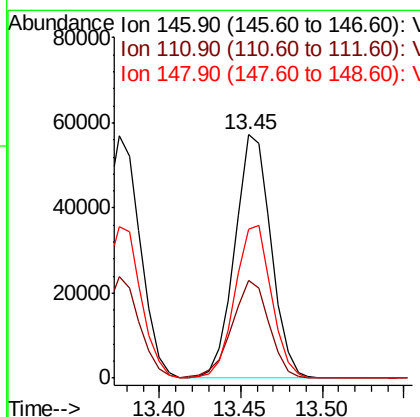
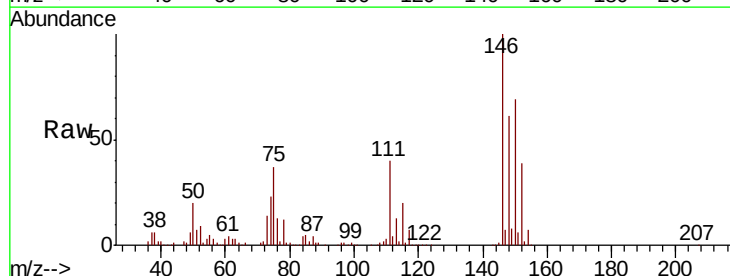
Instrument :
 MSVOA_Y
 ClientSampleId :

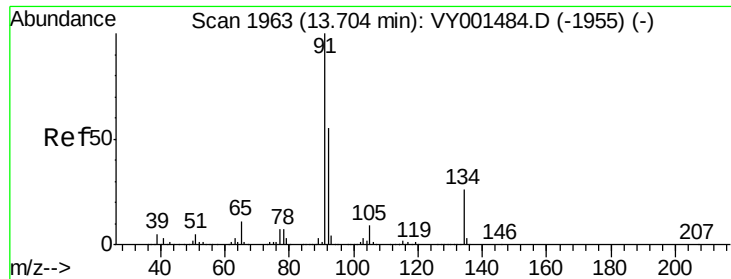
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.9
148	63.8	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.774 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.2	32.1	96.5

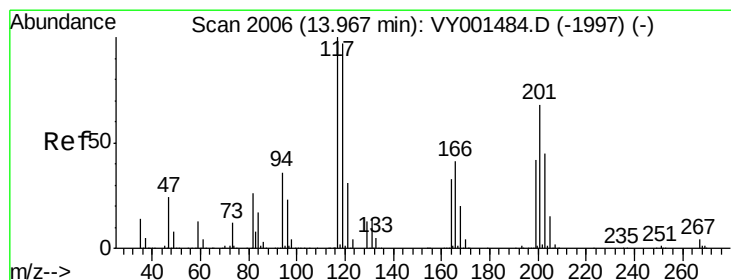
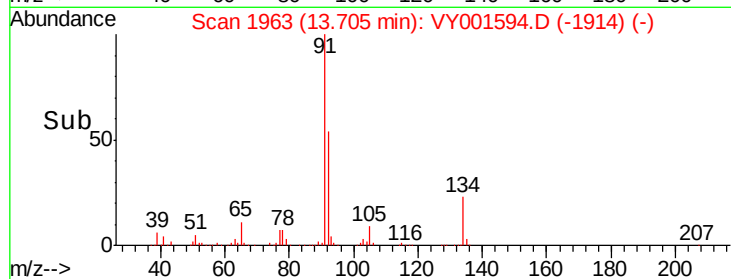
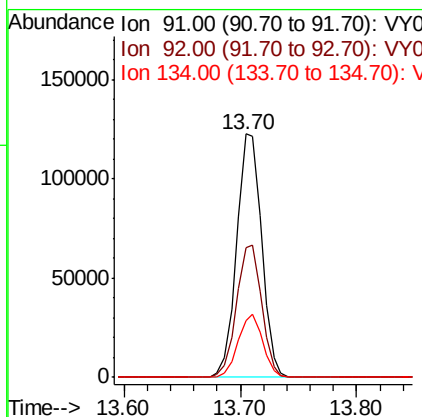
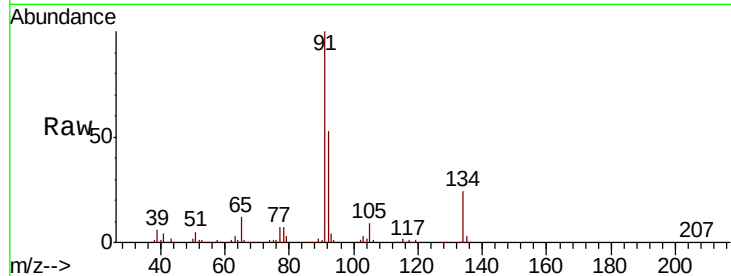




#89
n-Butylbenzene
Concen: 19.674 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

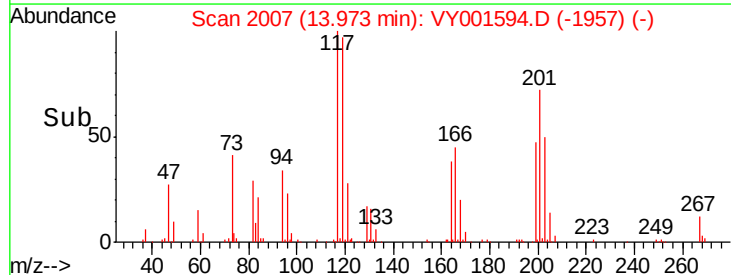
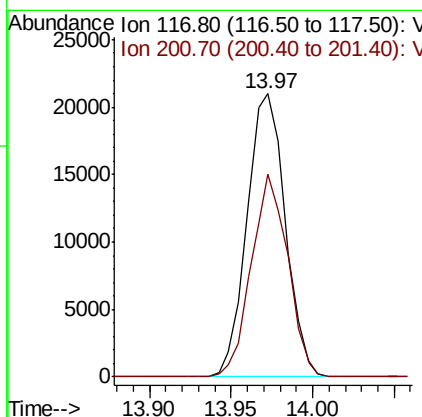
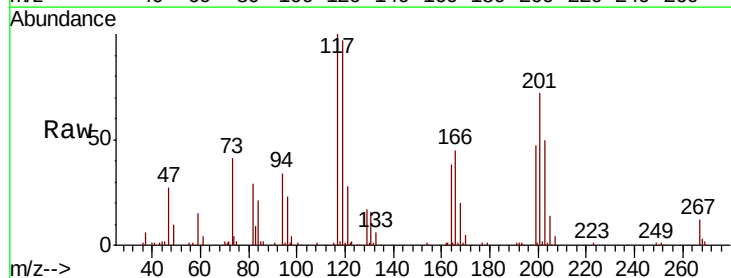
Instrument :
MSVOA_Y
ClientSampleId :

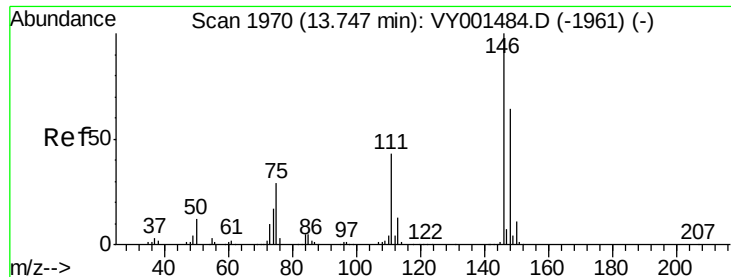
Tot Ion: 91 Resp: 184038
Ion Ratio Lower Upper
91 100
92 54.7 27.3 81.9
134 25.5 13.0 38.9



#90
Hexachloroethane
Concen: 18.833 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion: 117 Resp: 34270
Ion Ratio Lower Upper
117 100
201 68.1 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 19.785 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

Instrument :

MSVOA_Y

ClientSampleId :

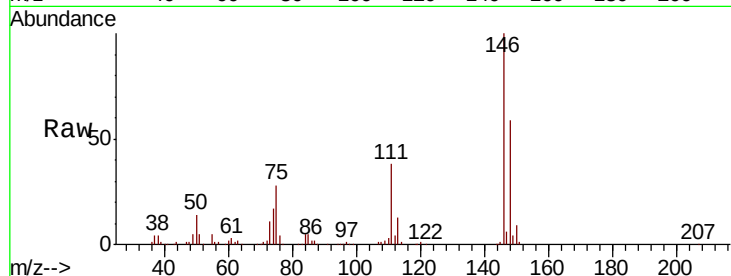
Tot Ion:146 Resp: 79932

Ion Ratio Lower Upper

146 100

111 41.9 21.9 65.8

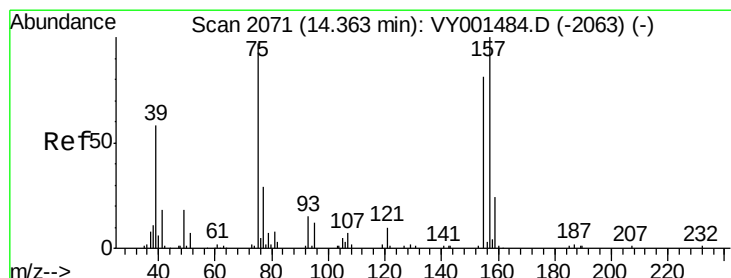
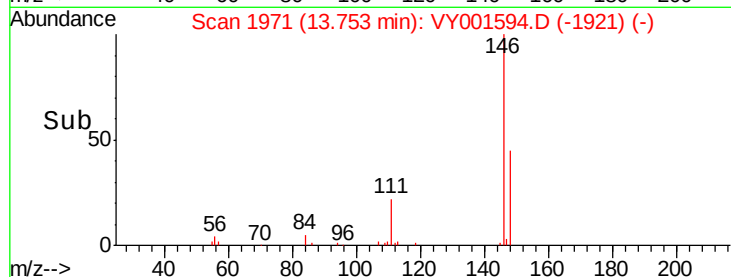
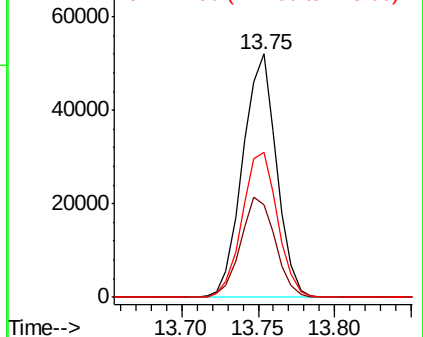
148 62.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.967 ug/l

RT: 14.37 min Scan# 2072

Delta R.T. 0.01 min

Lab File: VY001594.D

Acq: 11 Feb 2020 11:37

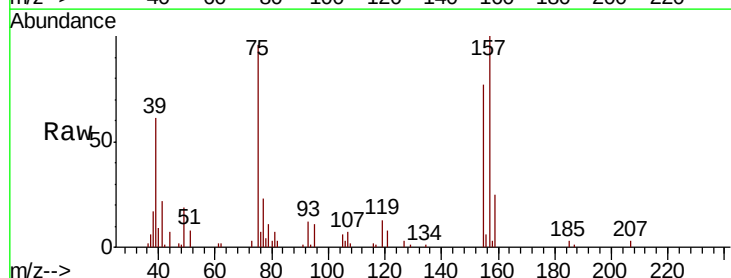
Tgt Ion: 75 Resp: 7151

Ion Ratio Lower Upper

75 100

155 77.8 40.7 122.1

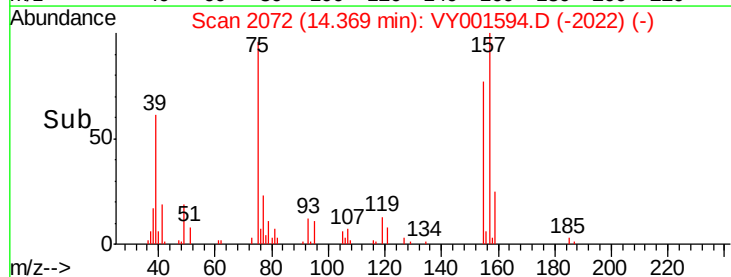
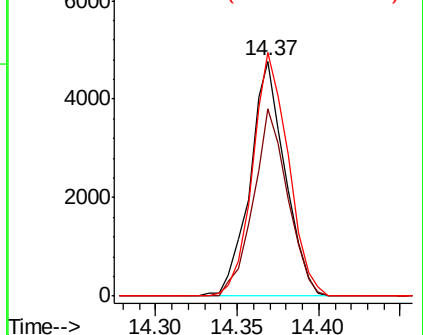
157 104.8 52.3 157.1

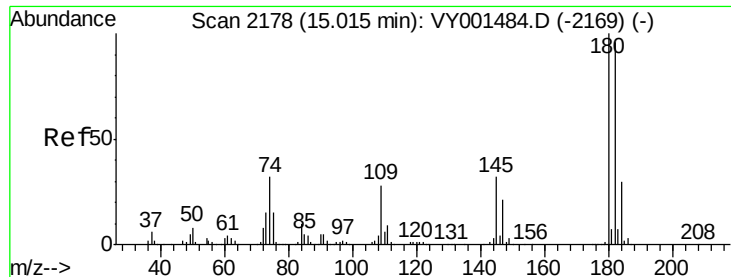


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

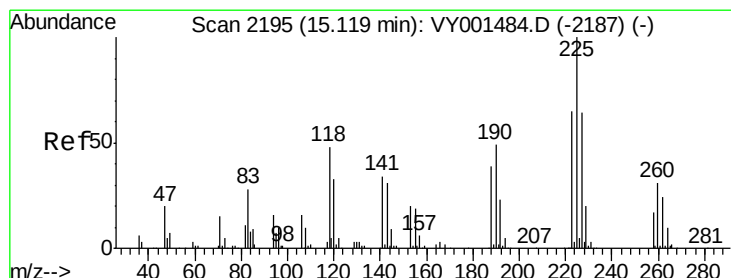
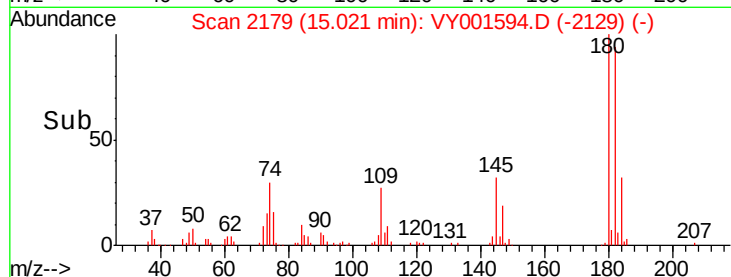
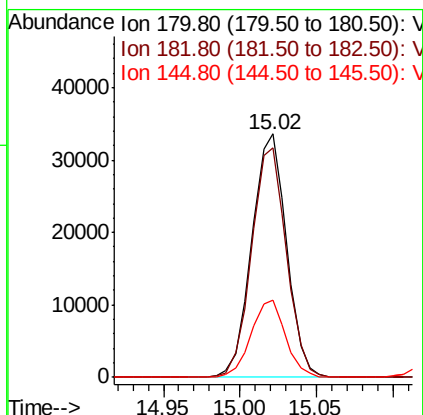
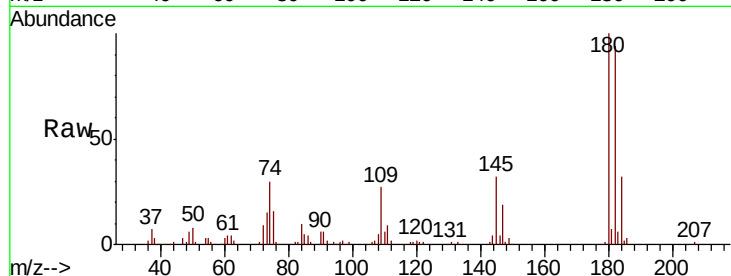




#93
 1,2,4-Trichlorobenzene
 Concen: 19.489 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

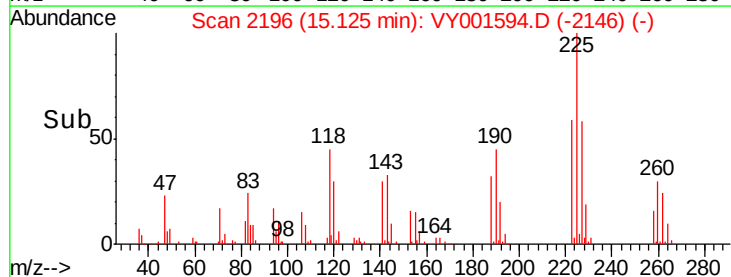
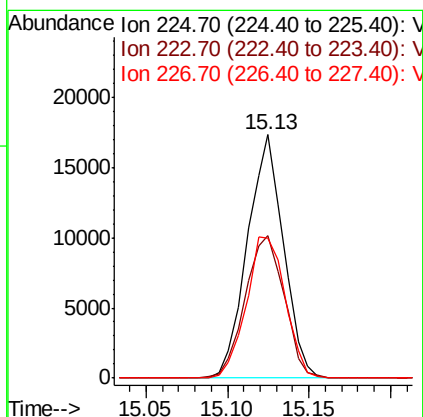
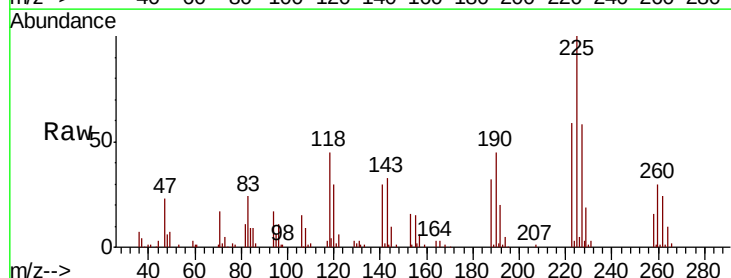
Instrument :
 MSVOA_Y
 ClientSampleId :

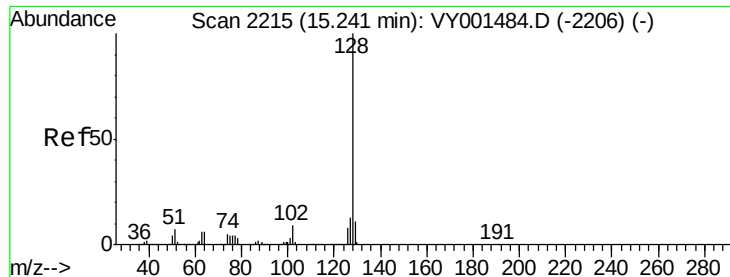
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.7
145	31.5	16.8	50.3



#94
 Hexachlorobutadiene
 Concen: 19.329 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001594.D
 Acq: 11 Feb 2020 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	62.6	32.6	97.7

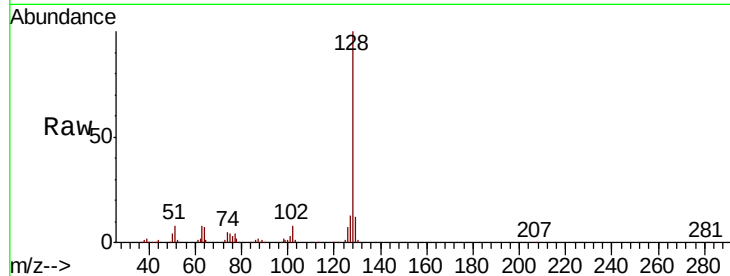




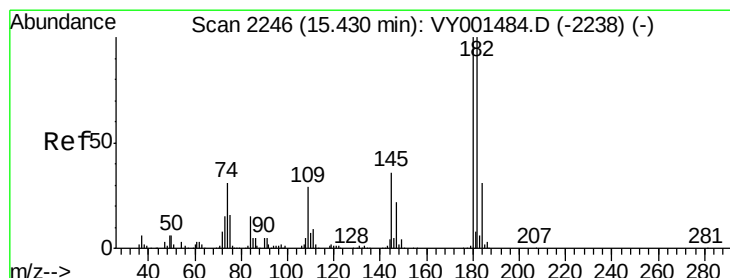
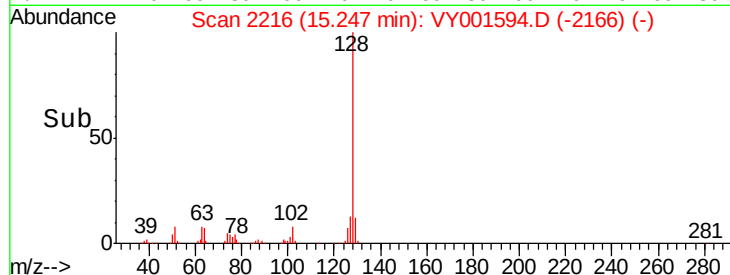
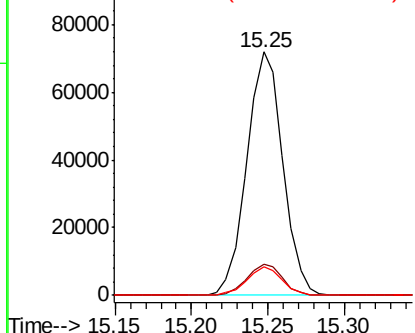
#95
Naphthalene
Concen: 18.440 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 117990
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 11.2 8.9 13.3

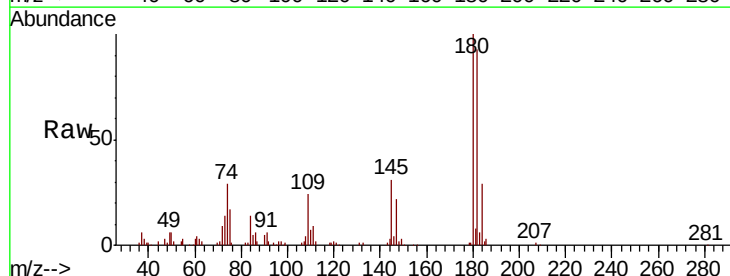


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.511 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001594.D
Acq: 11 Feb 2020 11:37

Tgt Ion:180 Resp: 46889
Ion Ratio Lower Upper
180 100
182 94.1 48.0 144.2
145 32.2 17.8 53.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

