

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002014.D
 Acq On : 19 Mar 2020 12:31
 Operator : SY/MD
 Sample : VY0319SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Quant Time: Mar 20 01:54:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	154396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	279257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	87737	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	7.74	113	81593	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	10.19	98	334589	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.49	95	118455	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26787	18.795	ug/l	99
3) Chloromethane	2.13	50	38378	19.973	ug/l	96
4) Vinyl Chloride	2.27	62	39546	20.234	ug/l	99
5) Bromomethane	2.66	94	26951	20.111	ug/l	98
6) Chloroethane	2.80	64	25977	21.158	ug/l	98
7) Trichlorofluoromethane	3.15	101	53353	20.128	ug/l	95
8) Diethyl Ether	3.55	74	22575	21.609	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	35931	21.076	ug/l	98
10) Methyl Iodide	4.11	142	38365	19.459	ug/l	100
11) Tert butyl alcohol	4.98	59	32352	182.515	ug/l #	83
12) 1,1-Dichloroethene	3.90	96	35368	20.603	ug/l	97
13) Acrolein	3.75	56	18568	80.165	ug/l	92
14) Allyl chloride	4.51	41	64811	21.297	ug/l	99
15) Acrylonitrile	5.20	53	61472	110.116	ug/l	99
16) Acetone	3.97	43	51002	106.237	ug/l	94
17) Carbon Disulfide	4.22	76	109785	19.025	ug/l	97
18) Methyl Acetate	4.51	43	27878	22.600	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	102656	22.068	ug/l	95
20) Methylene Chloride	4.75	84	45555	22.141	ug/l	89
21) trans-1,2-Dichloroethene	5.25	96	40226	20.646	ug/l	96
22) Diisopropyl ether	6.15	45	138008	22.124	ug/l	96
23) Vinyl Acetate	6.09	43	444027	108.578	ug/l	98
24) 1,1-Dichloroethane	6.05	63	72025	21.321	ug/l	98
25) 2-Butanone	7.02	43	80048	109.645	ug/l	97
26) 2,2-Dichloropropane	7.01	77	61866	22.313	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	45765	21.593	ug/l	99
28) Bromochloromethane	7.36	49	32860	21.581	ug/l	99
29) Tetrahydrofuran	7.37	42	51397	106.014	ug/l	99
30) Chloroform	7.53	83	68445	21.566	ug/l	99
31) Cyclohexane	7.81	56	72666	20.062	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	56319	21.054	ug/l	99
36) 1,1-Dichloropropene	7.94	75	57341	21.338	ug/l	98
37) Ethyl Acetate	7.10	43	36431	23.325	ug/l	98
38) Carbon Tetrachloride	7.92	117	48690	21.210	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73007	20.483	ug/l	97
40) Benzene	8.18	78	170547	21.412	ug/l	99
41) Methacrylonitrile	7.37	41	46124	65.620	ug/l #	23
42) 1,2-Dichloroethane	8.26	62	45267	22.055	ug/l	99
43) Isopropyl Acetate	8.30	43	65363	22.104	ug/l	99
44) Trichloroethene	8.96	130	41405	21.344	ug/l	97
45) 1,2-Dichloropropane	9.24	63	44446	22.197	ug/l	99
46) Dibromomethane	9.33	93	22387	21.696	ug/l	99
47) Bromodichloromethane	9.52	83	52660	21.939	ug/l	99
48) Methyl methacrylate	9.31	41	28937	22.054	ug/l	99
49) 1,4-Dioxane	9.32	88	5799	410.151	ug/l	99
51) 4-Methyl-2-Pentanone	10.09	43	176705	116.017	ug/l	100
52) Toluene	10.26	92	104422	21.581	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	57746	22.082	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	66979	21.515	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	33111	21.927	ug/l	99
56) Ethyl methacrylate	10.52	69	47856	21.621	ug/l	97
57) 1,3-Dichloropropane	10.80	76	58796	21.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	121383	143.134	ug/l	100
59) 2-Hexanone	10.85	43	119109	109.565	ug/l	100
60) Dibromochloromethane	11.00	129	35538	22.334	ug/l	99
61) 1,2-Dibromoethane	11.10	107	30671	21.442	ug/l	99
64) Tetrachloroethene	10.74	164	33323	21.081	ug/l	95
65) Chlorobenzene	11.53	112	108012	21.506	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	36661	22.259	ug/l	99
67) Ethyl Benzene	11.61	91	200598	21.416	ug/l	96
68) m/p-Xylenes	11.72	106	146533	42.315	ug/l	99
69) o-Xylene	12.04	106	69865	21.405	ug/l	99
70) Styrene	12.06	104	121576	21.748	ug/l	100
71) Bromoform	12.22	173	19617	21.963	ug/l #	99
73) Isopropylbenzene	12.34	105	188304	20.720	ug/l	98
74) N-amyl acetate	12.16	43	59052	21.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41439	21.144	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	53288	37.722	ug/l #	100
77) Bromobenzene	12.62	156	41175	21.384	ug/l	98
78) n-propylbenzene	12.68	91	236764	21.117	ug/l	99
79) 2-Chlorotoluene	12.77	91	128764	20.787	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	158718	21.214	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14557	20.815	ug/l	97
82) 4-Chlorotoluene	12.87	91	136336	21.138	ug/l	100
83) tert-Butylbenzene	13.09	119	135152	21.749	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	158616	21.362	ug/l	100
85) sec-Butylbenzene	13.27	105	196395	21.441	ug/l	99
86) p-Isopropyltoluene	13.38	119	171859	21.750	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	82903	21.971	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	81112	21.190	ug/l	99
89) n-Butylbenzene	13.71	91	173450	21.159	ug/l	99
90) Hexachloroethane	13.97	117	31689	21.259	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	73818	21.534	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6244	20.417	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48077	21.627	ug/l	98
94) Hexachlorobutadiene	15.12	225	23083	21.298	ug/l	99
95) Naphthalene	15.25	128	111031	21.057	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	42692	21.800	ug/l	98

(#) = 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. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

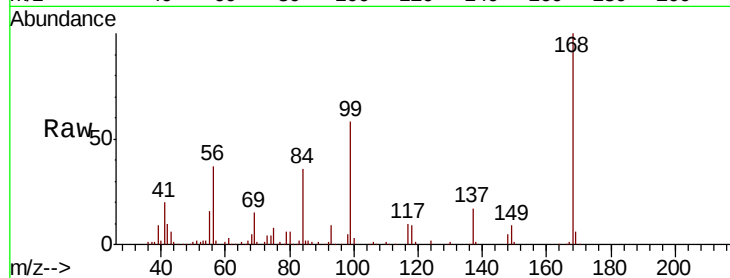
VY0319SBS01

Tot Ion:168 Resp: 154396

Ion Ratio Lower Upper

168 100

99 58.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

80000

60000

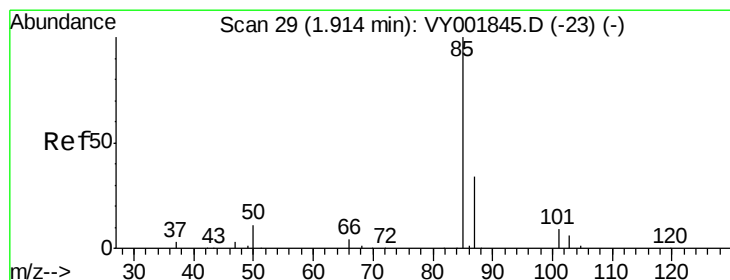
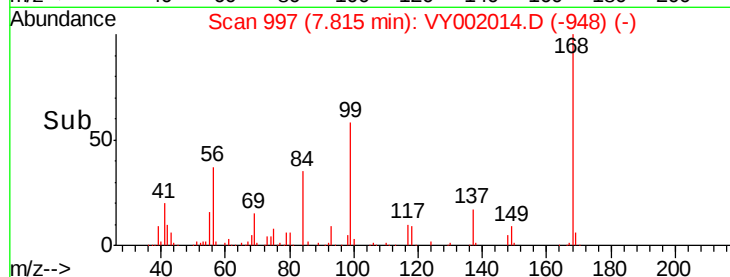
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.795 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002014.D

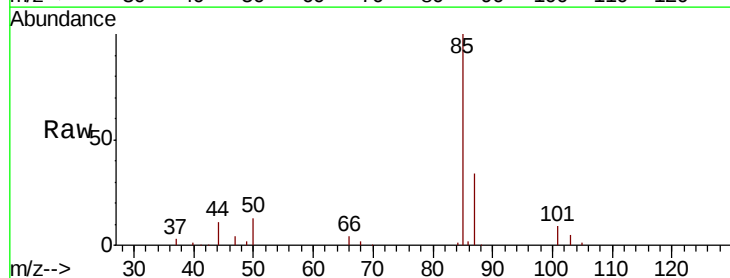
Acq: 19 Mar 2020 12:31

Tgt Ion: 85 Resp: 26787

Ion Ratio Lower Upper

85 100

87 34.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

20000

15000

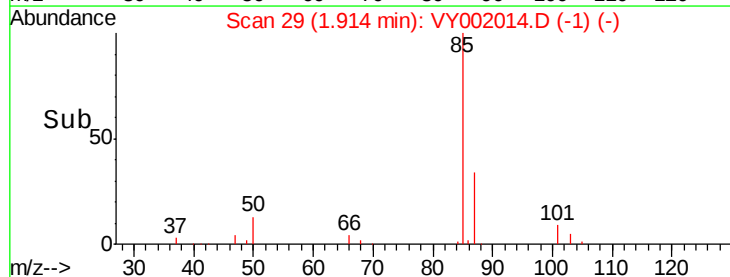
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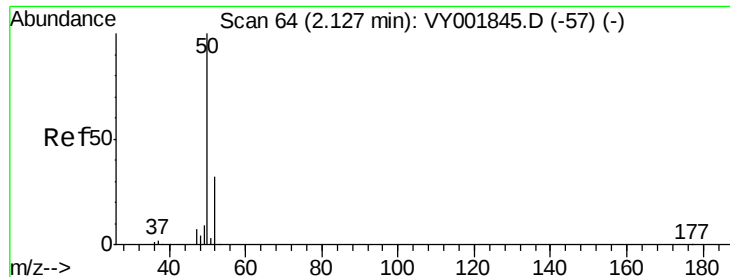
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.973 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

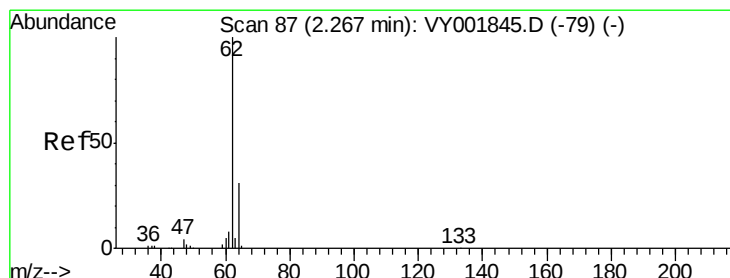
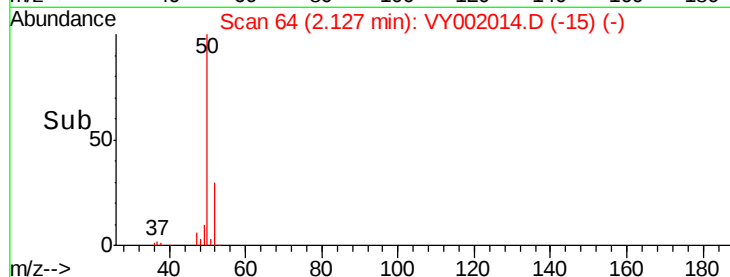
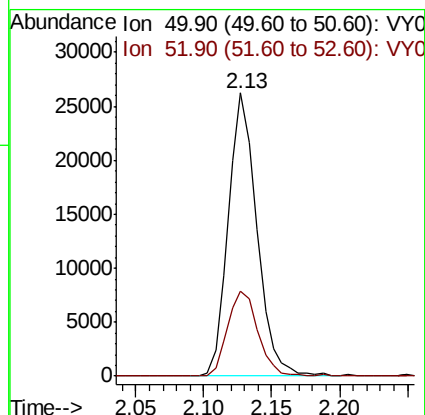
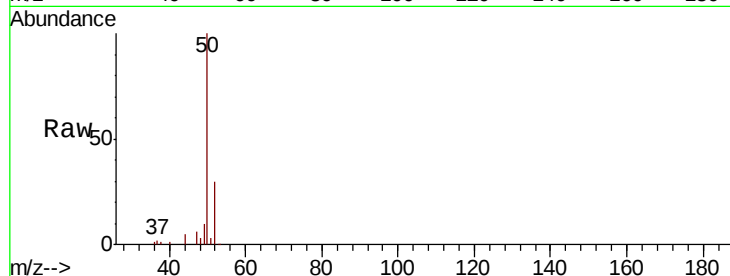
VY0319SBS01

Tot Ion: 50 Resp: 38378

Ion Ratio Lower Upper

50 100

52 30.1 25.8 38.6



#4

Vinyl Chloride

Concen: 20.234 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY002014.D

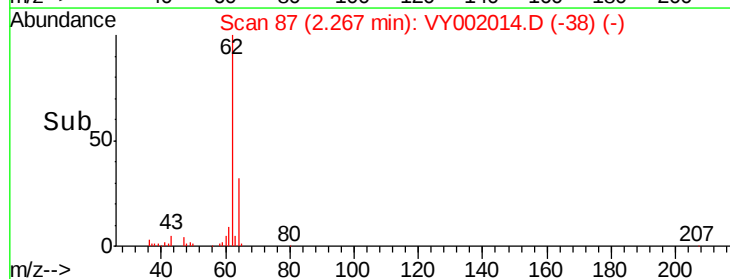
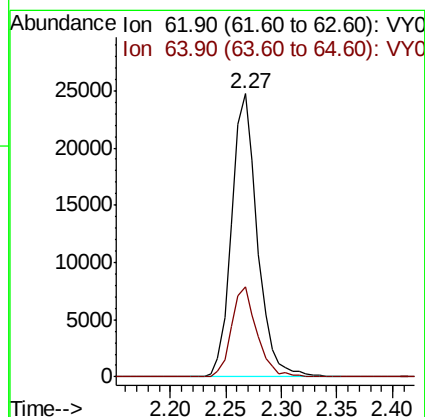
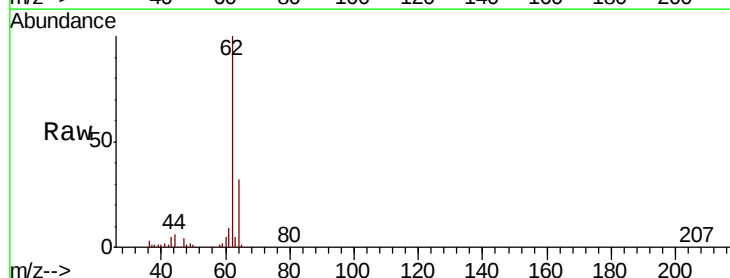
Acq: 19 Mar 2020 12:31

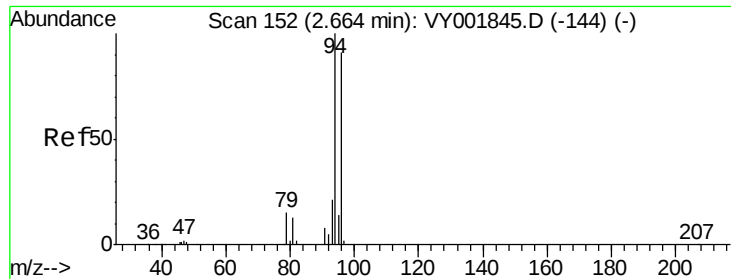
Tgt Ion: 62 Resp: 39546

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 20.111 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

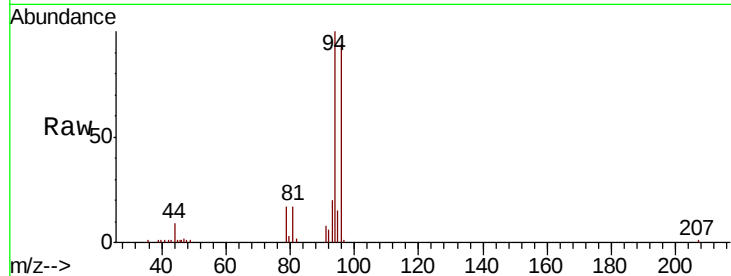
VY0319SBS01

Tot Ion: 94 Resp: 26951

Ion Ratio Lower Upper

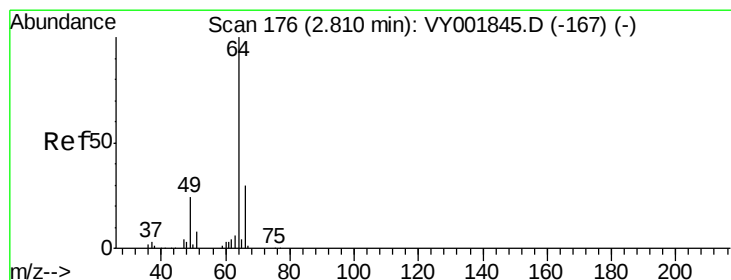
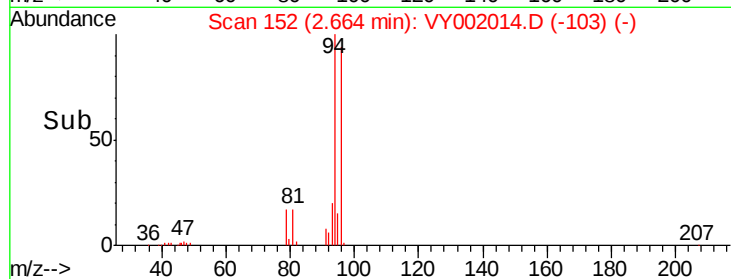
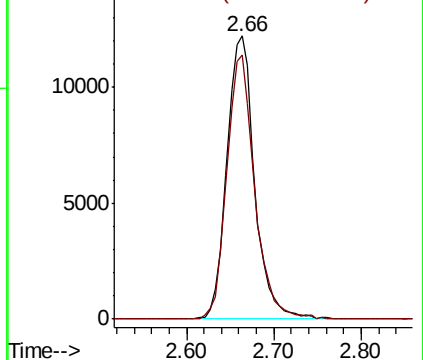
94 100

96 93.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.158 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002014.D

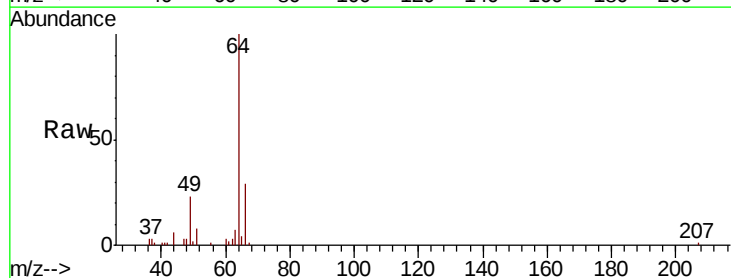
Acq: 19 Mar 2020 12:31

Tgt Ion: 64 Resp: 25977

Ion Ratio Lower Upper

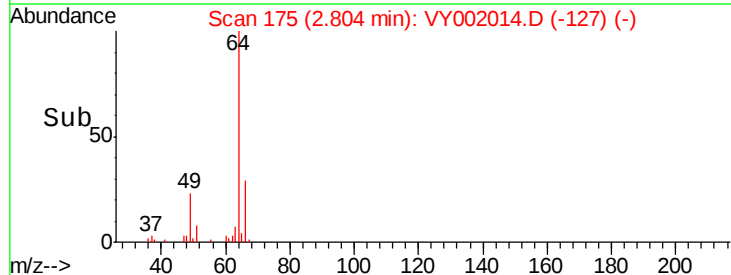
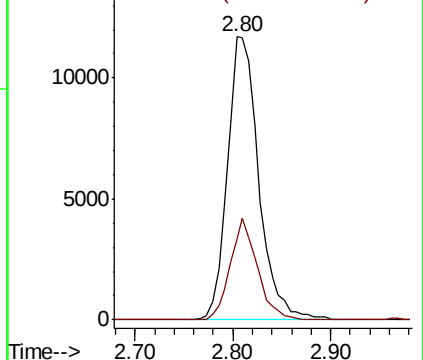
64 100

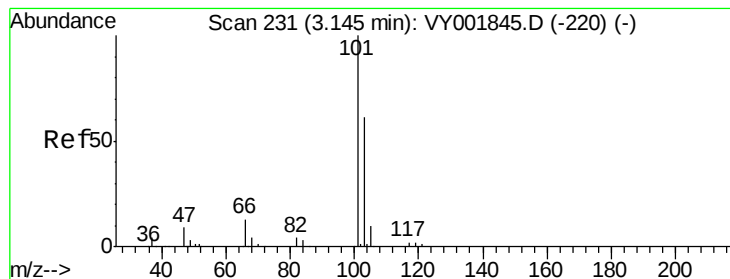
66 28.9 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



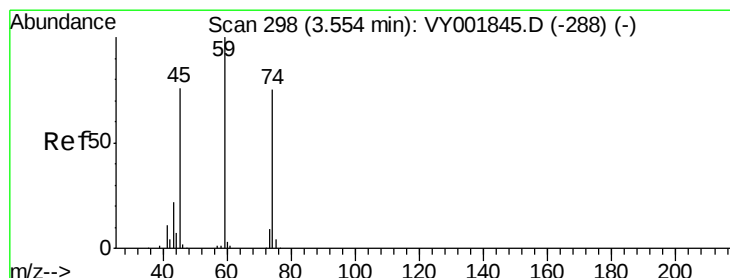
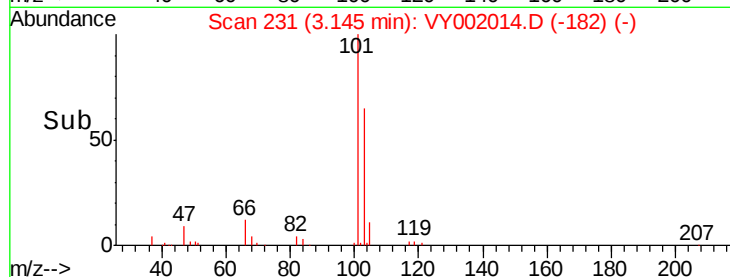
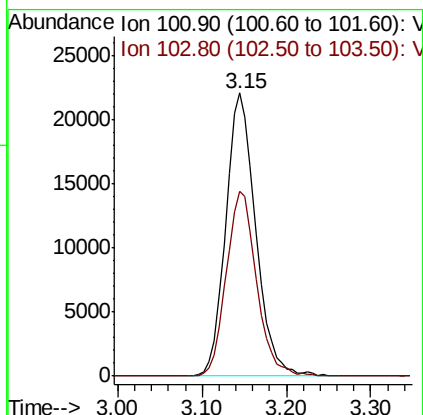
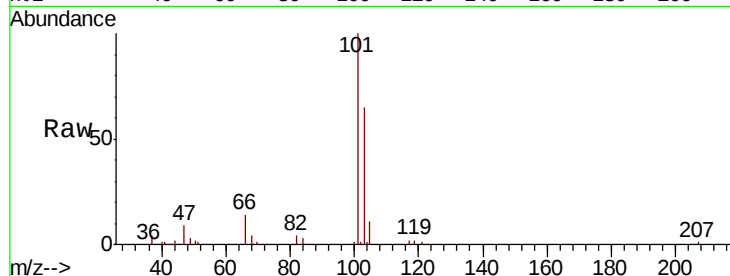


#7

Trichlorofluoromethane
 Concen: 20.128 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
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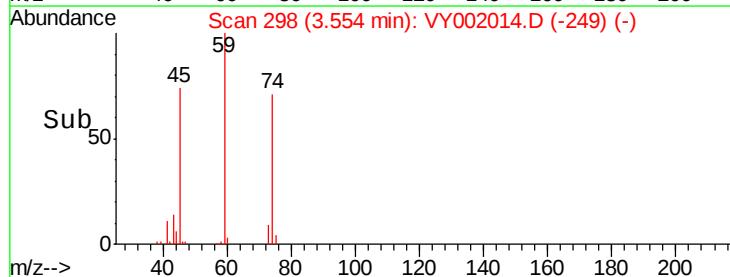
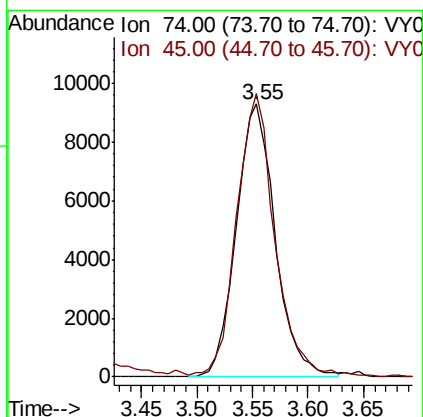
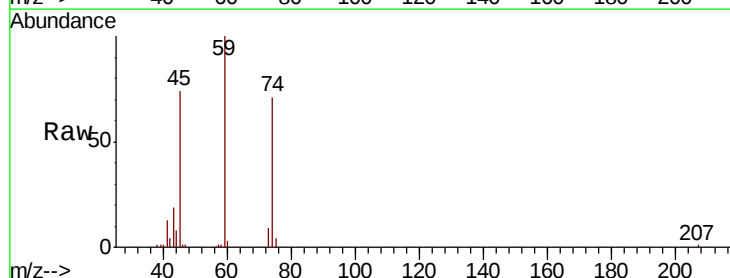
Tot Ion:101 Resp: 53353
 Ion Ratio Lower Upper
 101 100
 103 65.3 49.1 73.7

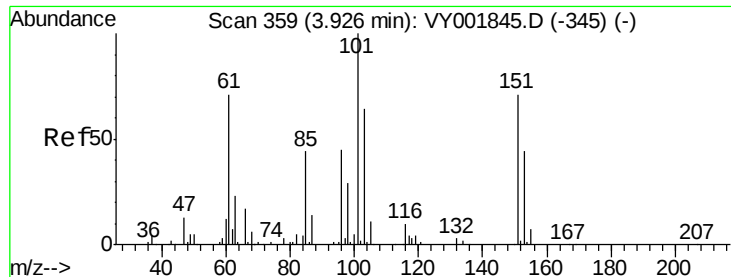


#8

Diethyl Ether
 Concen: 21.609 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion: 74 Resp: 22575
 Ion Ratio Lower Upper
 74 100
 45 102.3 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.076 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

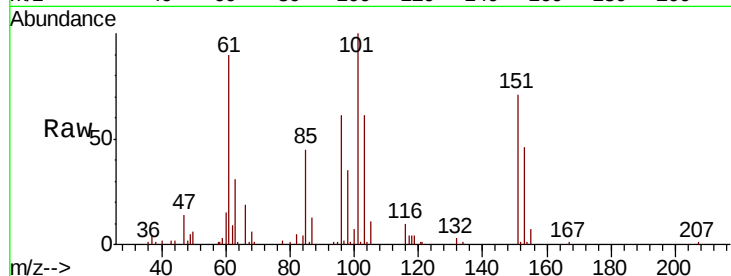
Tot Ion:101 Resp: 35931

Ion Ratio Lower Upper

101 100

85 45.2 35.3 52.9

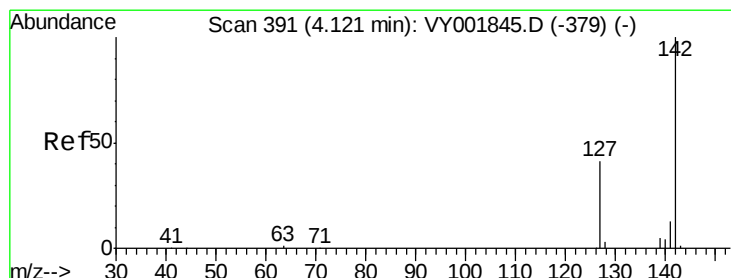
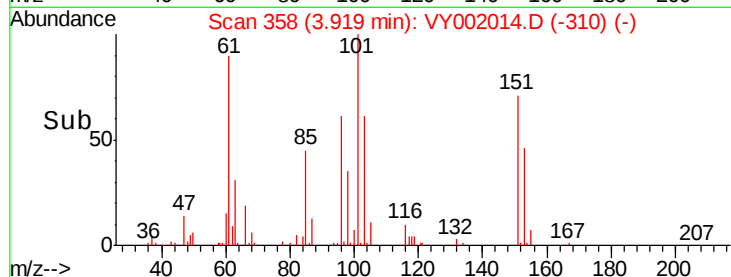
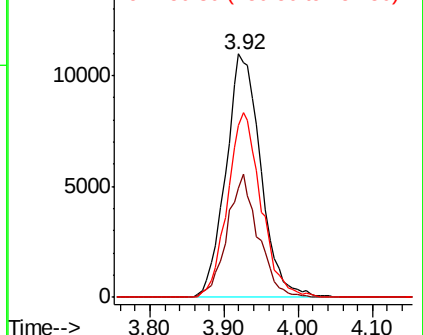
151 72.9 57.0 85.4



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: 19.459 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

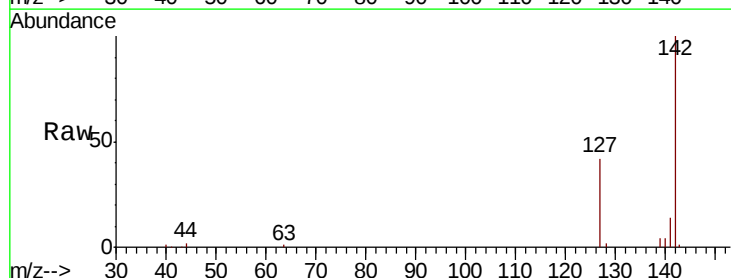
Tgt Ion:142 Resp: 38365

Ion Ratio Lower Upper

142 100

127 41.1 32.7 49.1

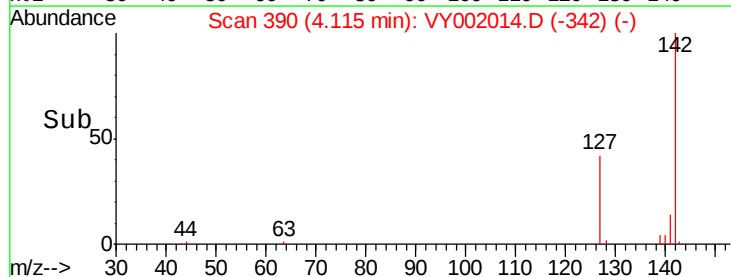
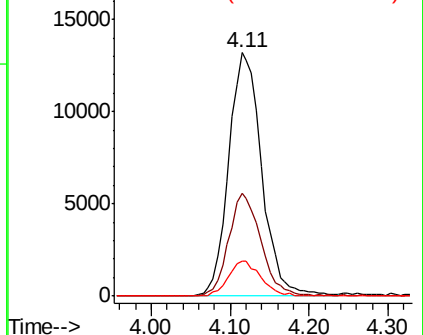
141 14.1 11.0 16.6

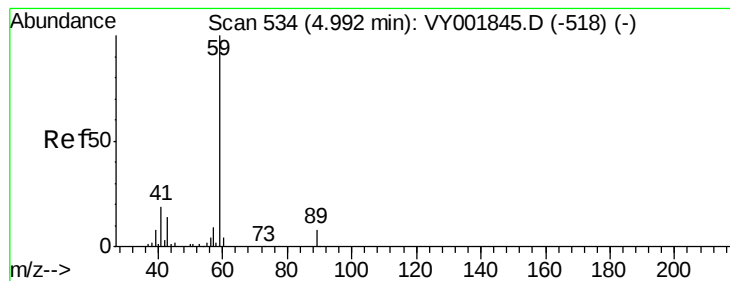


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



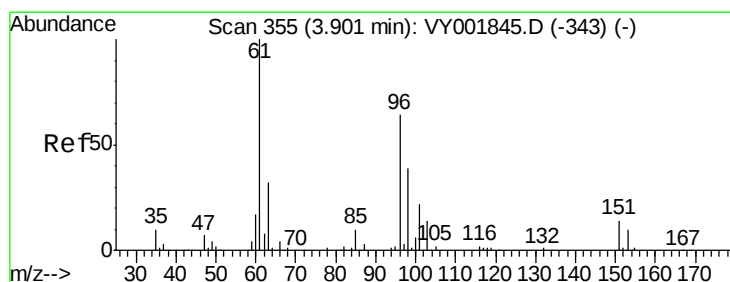
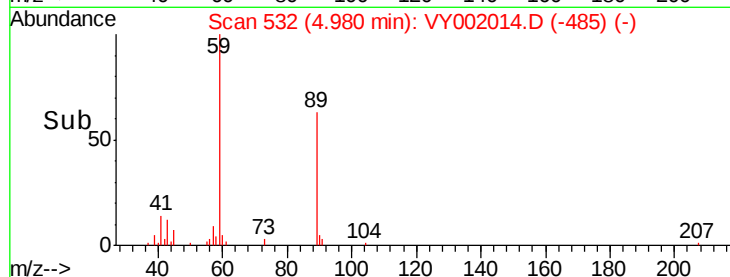
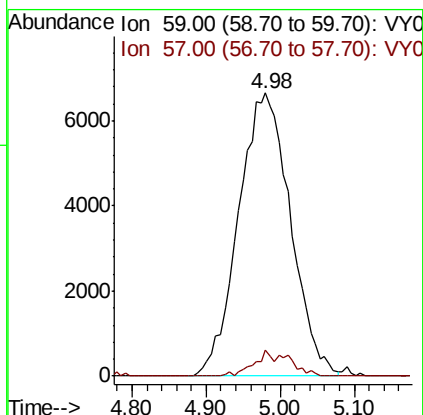
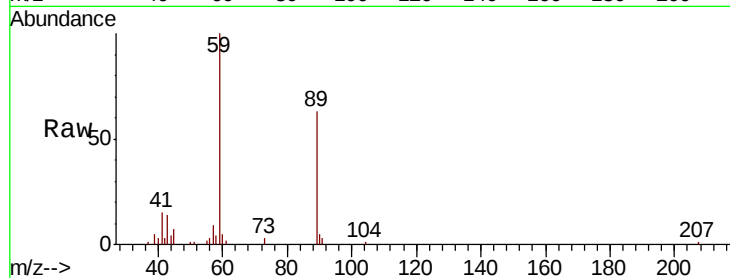


#11

Tert butyl alcohol
 Concen: 182.515 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

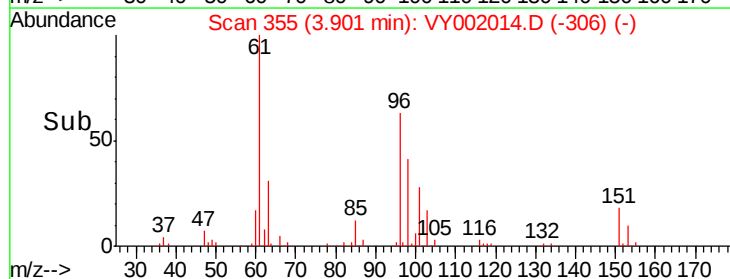
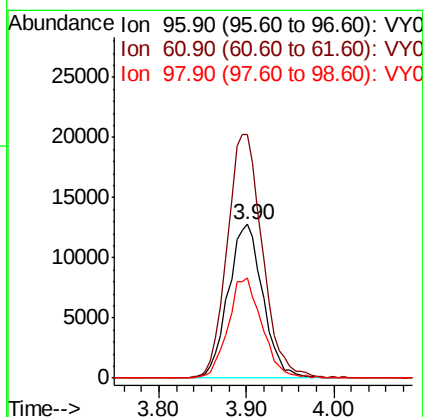
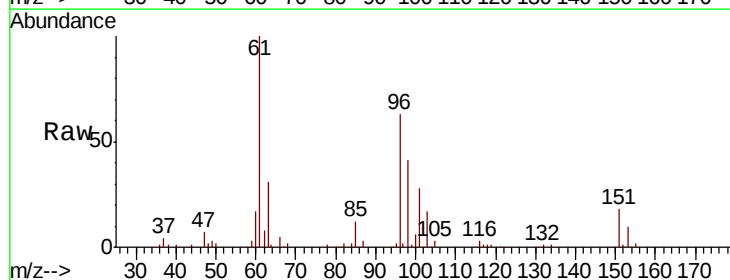
Tot Ion: 59 Resp: 32352
 Ion Ratio Lower Upper
 59 100
 57 3.2 7.4 11.2#

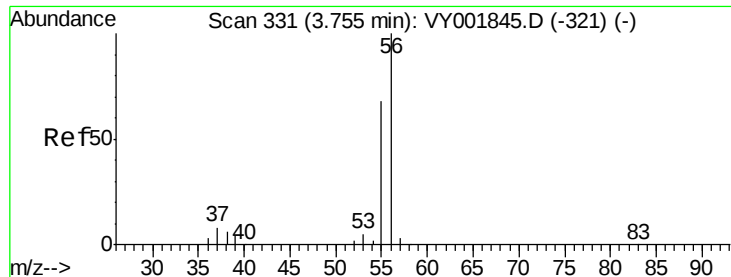


#12

1,1-Dichloroethene
 Concen: 20.603 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion: 96 Resp: 35368
 Ion Ratio Lower Upper
 96 100
 61 158.3 124.8 187.2
 98 65.6 49.2 73.8





#13

Acrolein

Concen: 80.165 ug/l

RT: 3.75 min Scan# 331

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

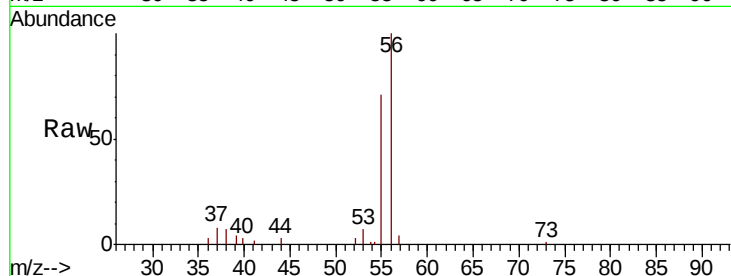
VY0319SBS01

Tot Ion: 56 Resp: 18568

Ion Ratio Lower Upper

56 100

55 73.6 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.75

8000

6000

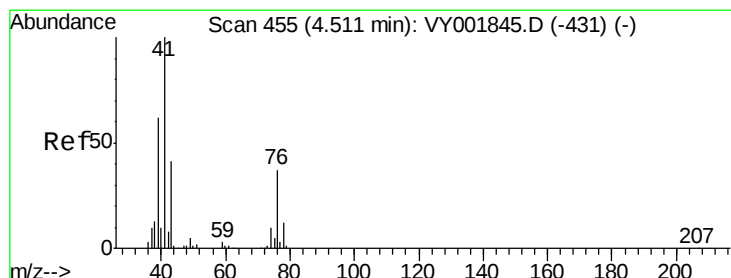
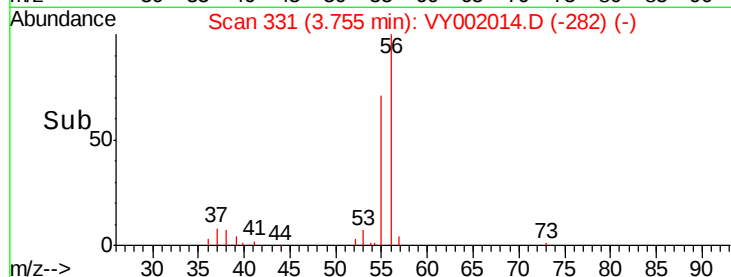
4000

2000

0

3.70 3.80 3.90

Time-->



#14

Allyl chloride

Concen: 21.297 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

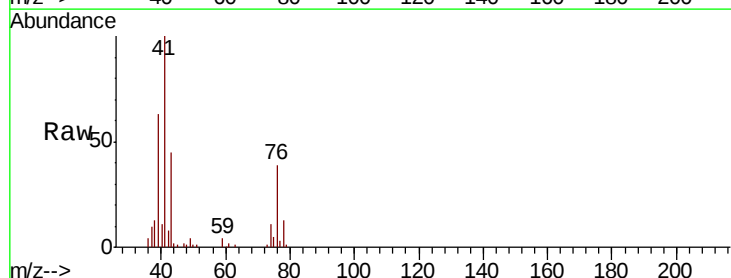
Tgt Ion: 41 Resp: 64811

Ion Ratio Lower Upper

41 100

39 62.2 49.0 73.6

76 36.2 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.51

25000

20000

15000

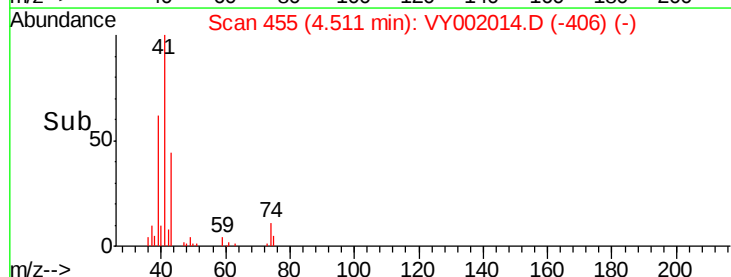
10000

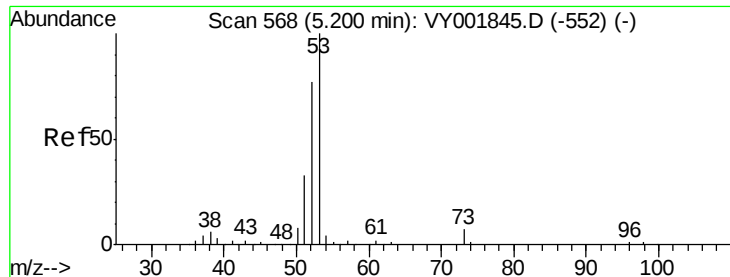
5000

0

4.30 4.40 4.50 4.60 4.70

Time-->





#15

Acrylonitrile

Concen: 110.116 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

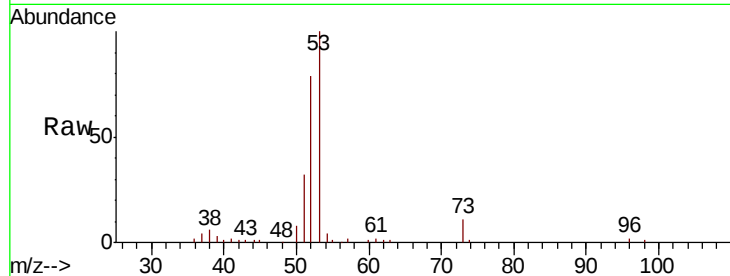
Tot Ion: 53 Resp: 61472

Ion Ratio Lower Upper

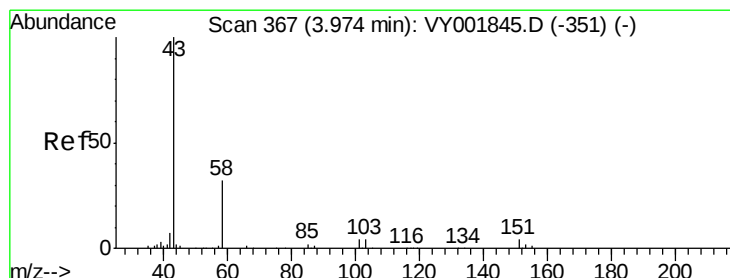
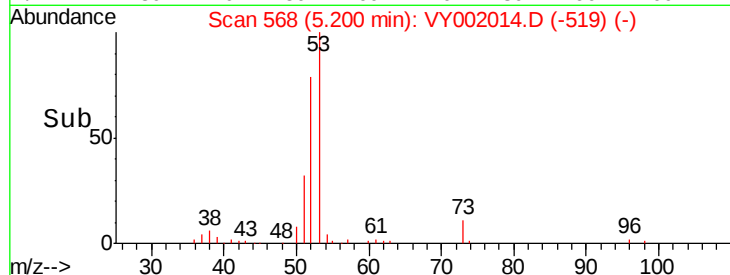
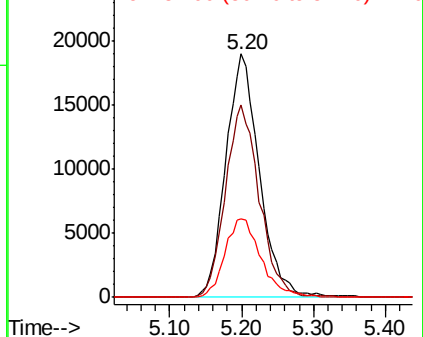
53 100

52 79.6 65.1 97.7

51 34.5 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 106.237 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY002014.D

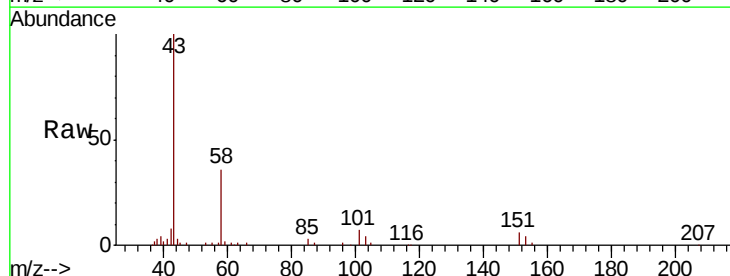
Acq: 19 Mar 2020 12:31

Tgt Ion: 43 Resp: 51002

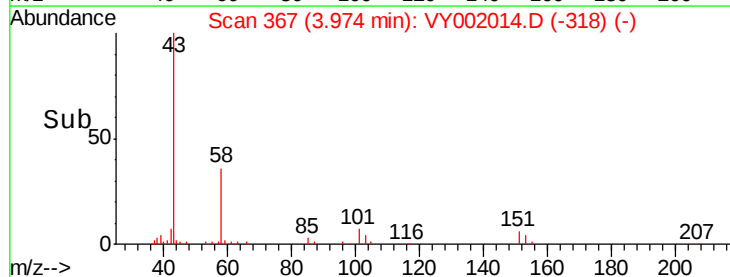
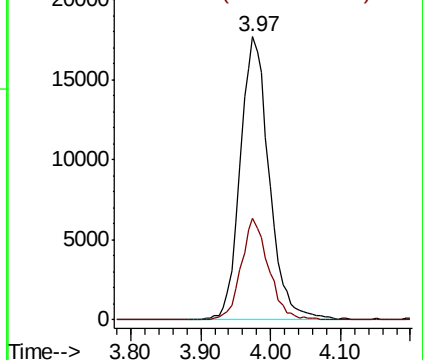
Ion Ratio Lower Upper

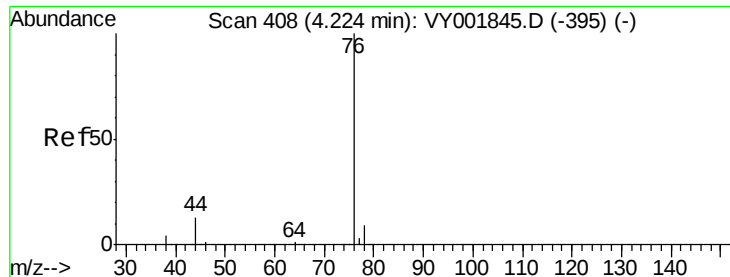
43 100

58 35.8 25.9 38.9



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

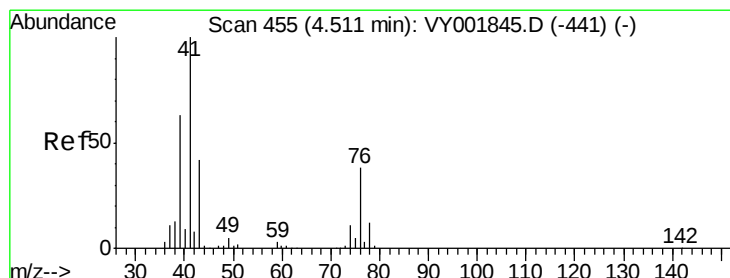
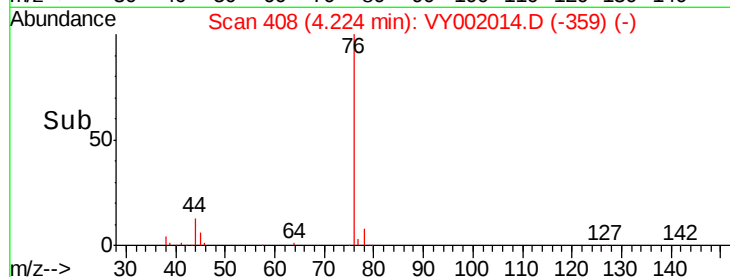
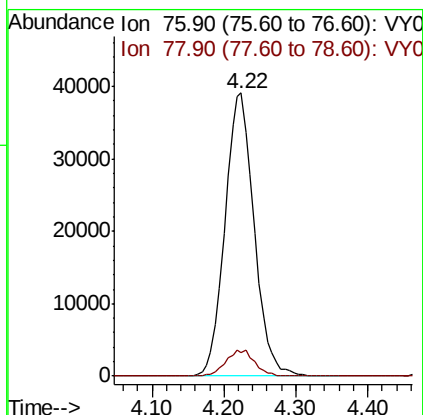
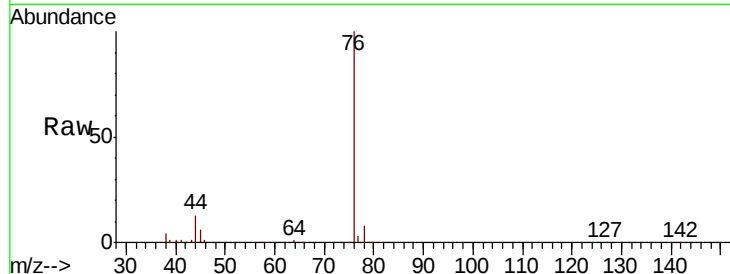




#17
Carbon Disulfide
Concen: 19.025 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

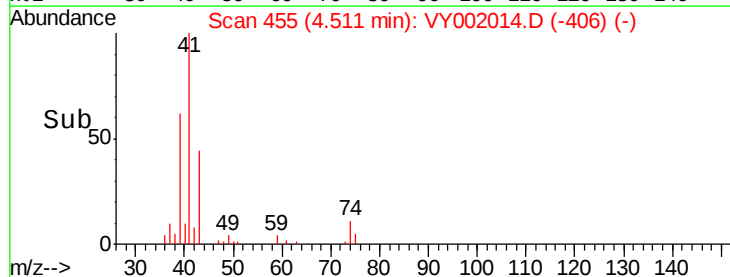
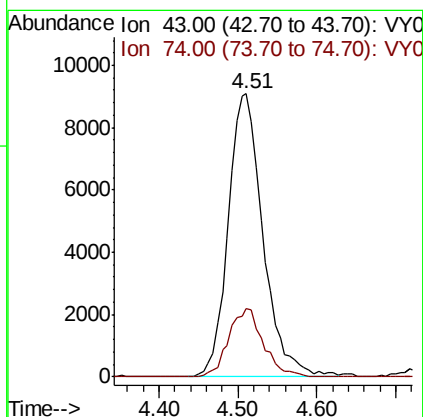
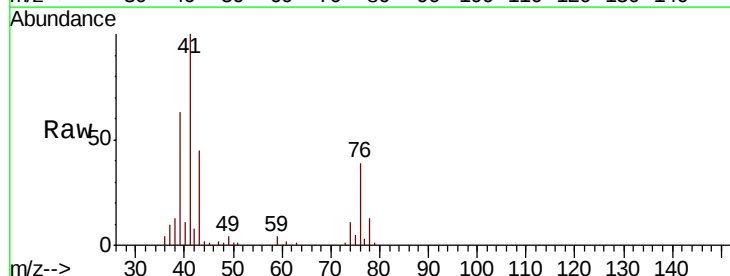
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

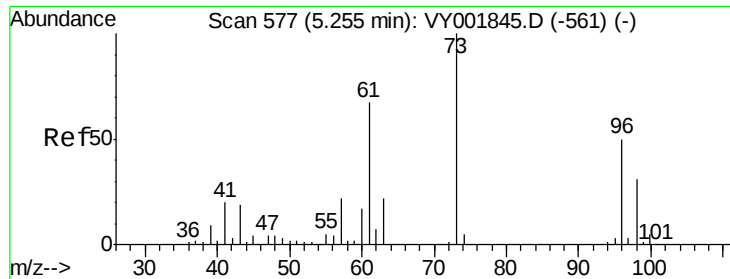
Tot Ion: 76 Resp: 109785
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2



#18
Methyl Acetate
Concen: 22.600 ug/l
RT: 4.51 min Scan# 455
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 43 Resp: 27878
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.6

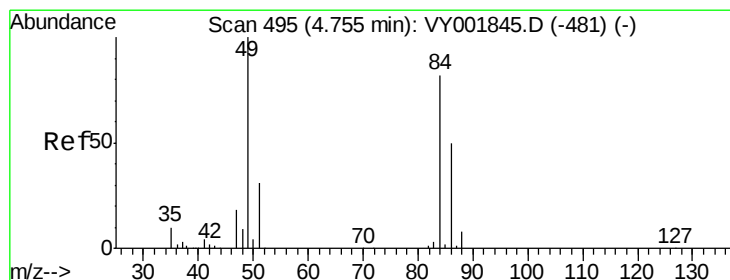
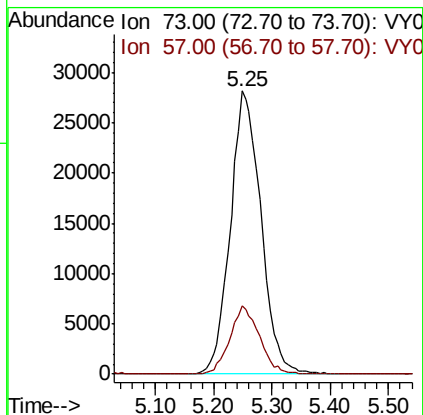
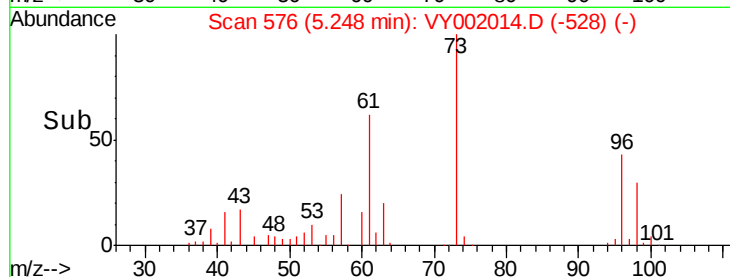
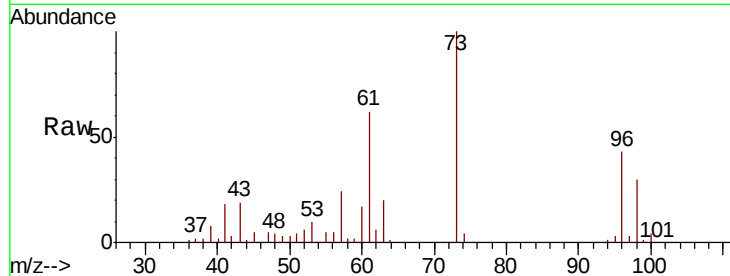




#19
Methyl tert-butyl Ether
Concen: 22.068 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

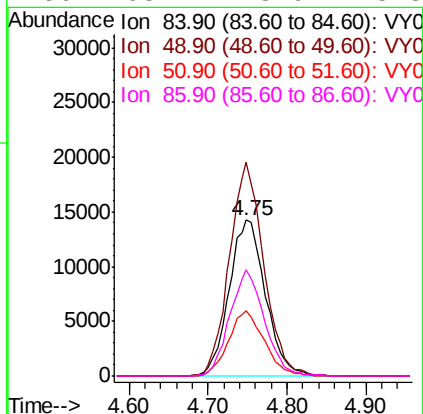
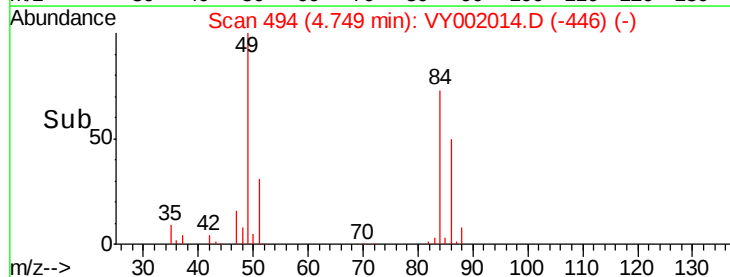
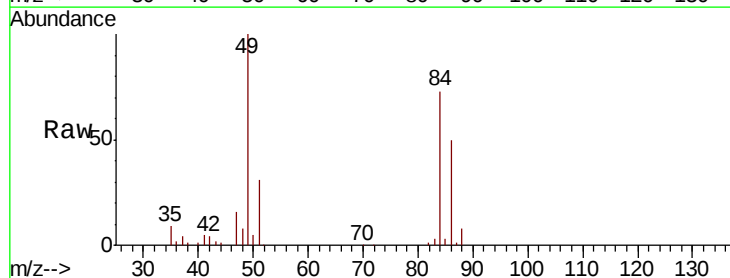
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 73 Resp: 102656
Ion Ratio Lower Upper
73 100
57 24.3 17.4 26.2



#20
Methylene Chloride
Concen: 22.141 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 84 Resp: 45555
Ion Ratio Lower Upper
84 100
49 136.8 98.2 147.2
51 41.8 30.2 45.2
86 68.1 48.9 73.3

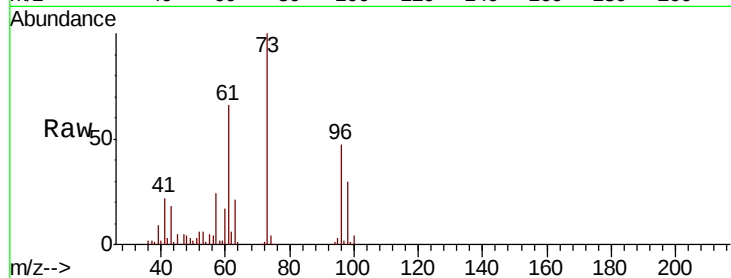




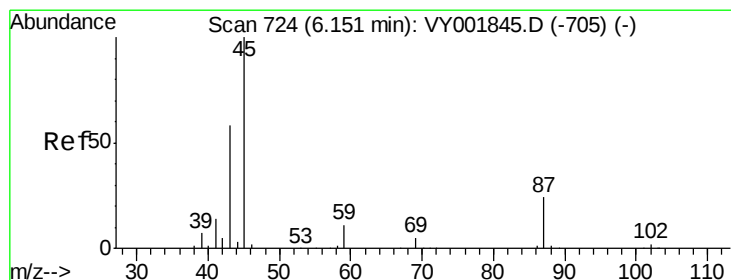
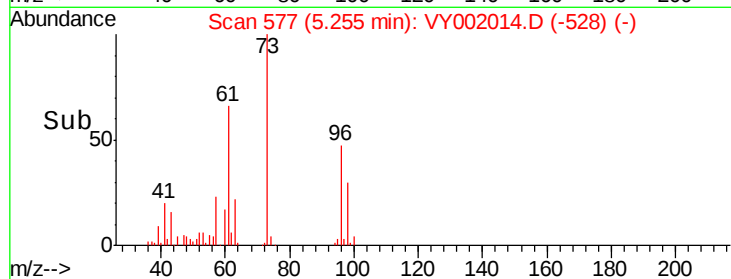
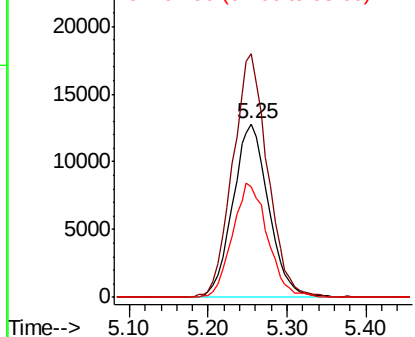
#21
trans-1,2-Dichloroethene
Concen: 20.646 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 96 Resp: 40226
Ion Ratio Lower Upper
96 100
61 140.4 107.7 161.5
98 63.8 49.3 73.9

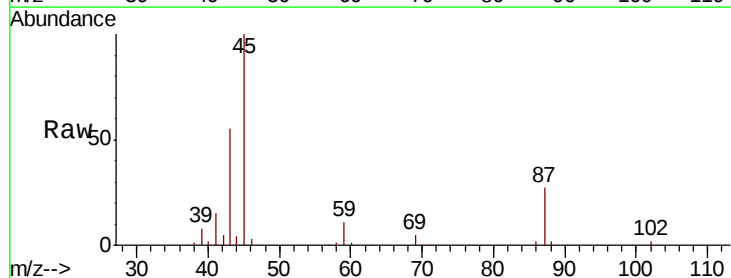


Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

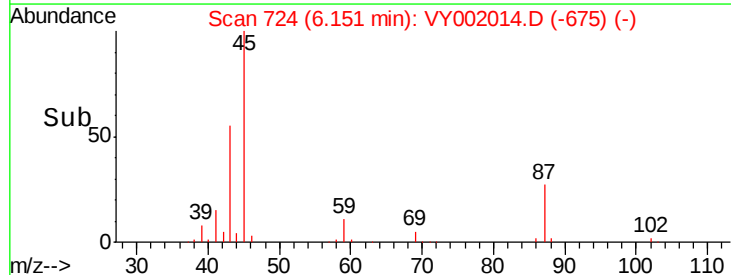
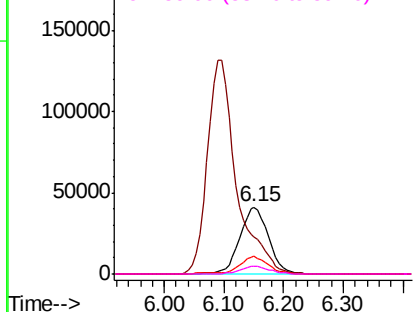


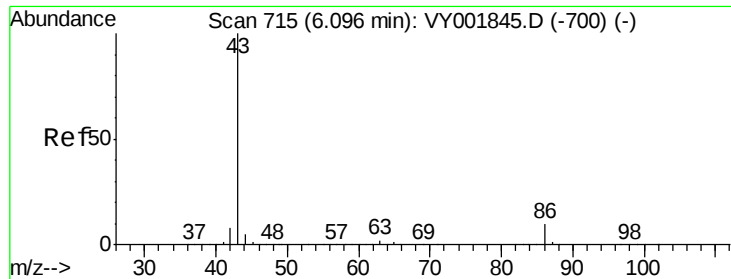
#22
Diisopropyl ether
Concen: 22.124 ug/l
RT: 6.15 min Scan# 724
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 45 Resp: 138008
Ion Ratio Lower Upper
45 100
43 54.9 47.2 70.8
87 26.7 19.8 29.8
59 11.0 8.8 13.2



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: 108.578 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

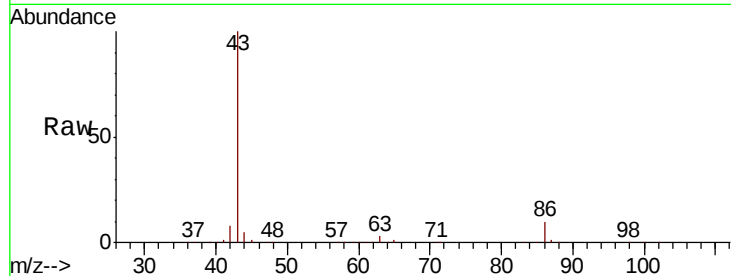
VY0319SBS01

Tot Ion: 43 Resp: 444027

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.09

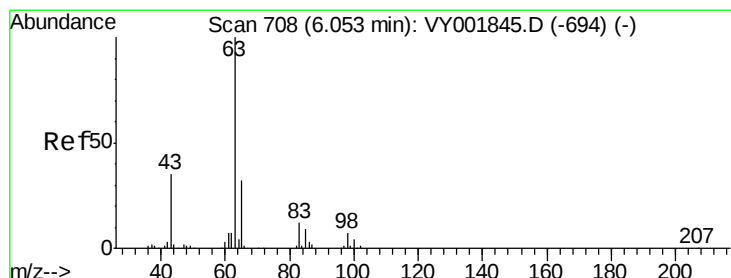
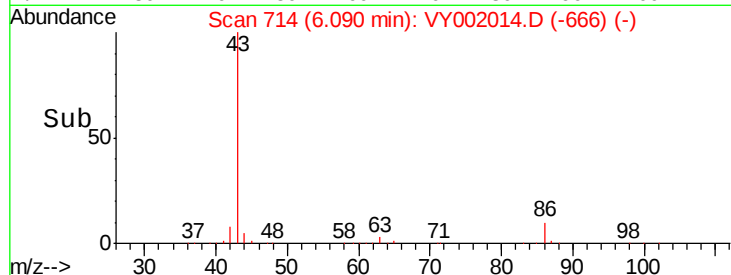
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.321 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

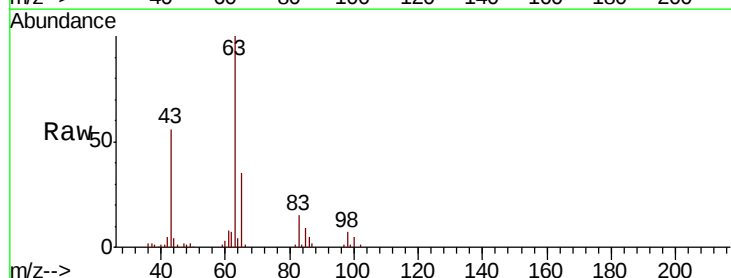
Tgt Ion: 63 Resp: 72025

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 5.2 2.0 6.0



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

30000

25000

20000

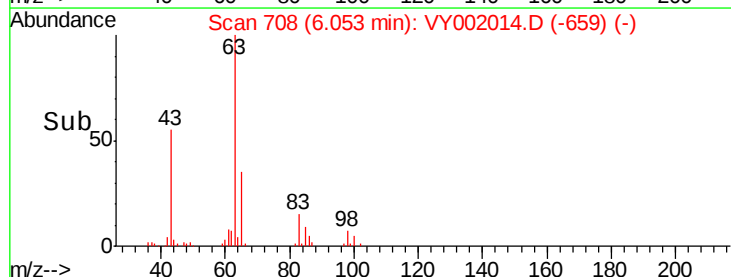
15000

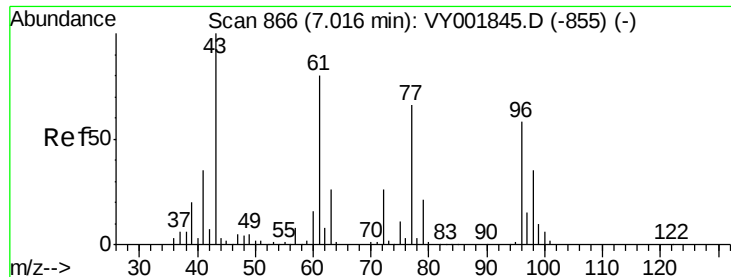
10000

5000

0

Time-->





#25

2-Butanone

Concen: 109.645 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

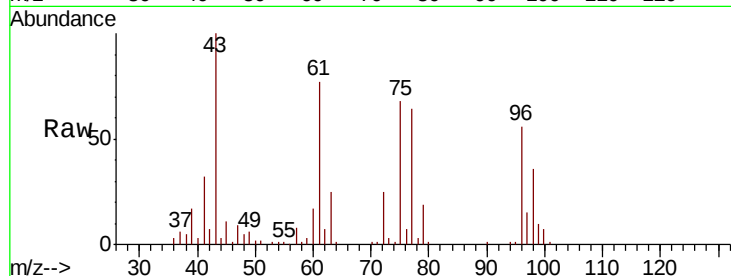
VY0319SBS01

Tot Ion: 43 Resp: 80048

Ion Ratio Lower Upper

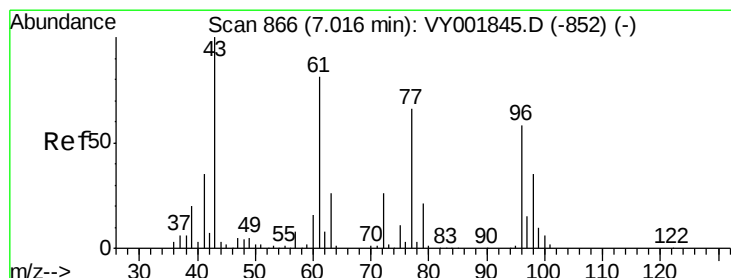
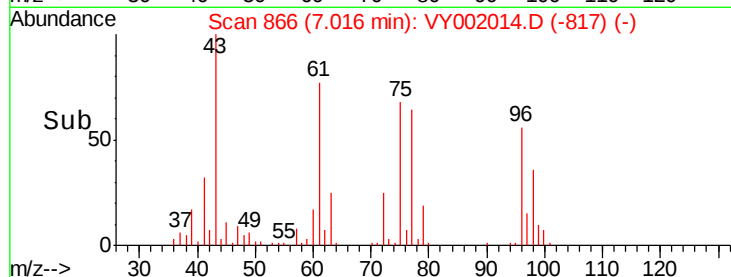
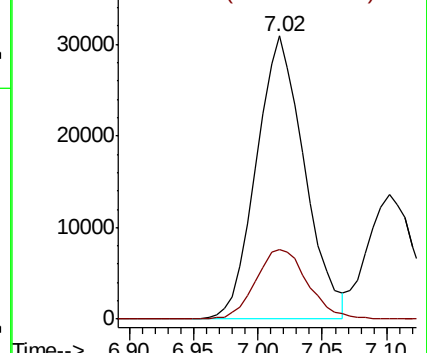
43 100

72 24.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 22.313 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002014.D

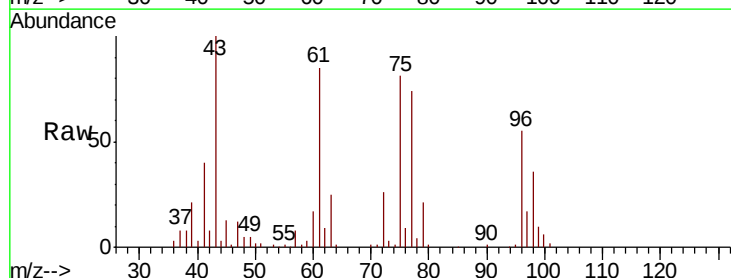
Acq: 19 Mar 2020 12:31

Tgt Ion: 77 Resp: 61866

Ion Ratio Lower Upper

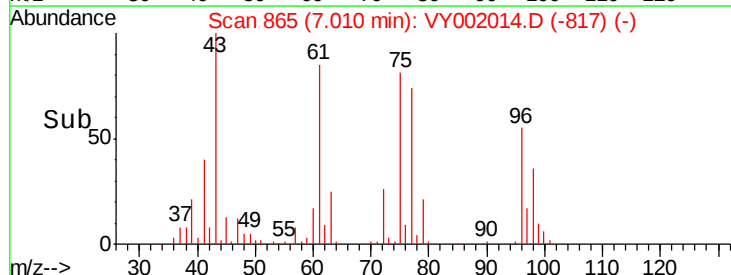
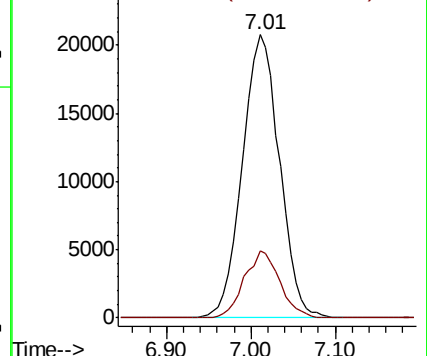
77 100

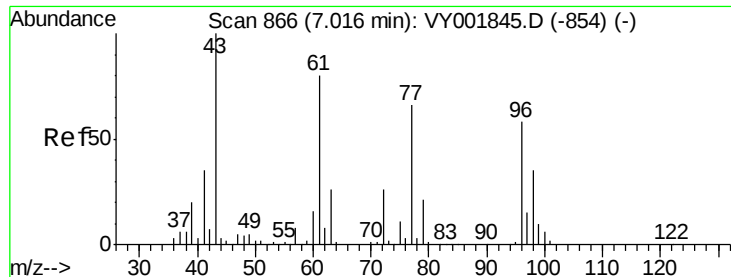
97 22.5 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



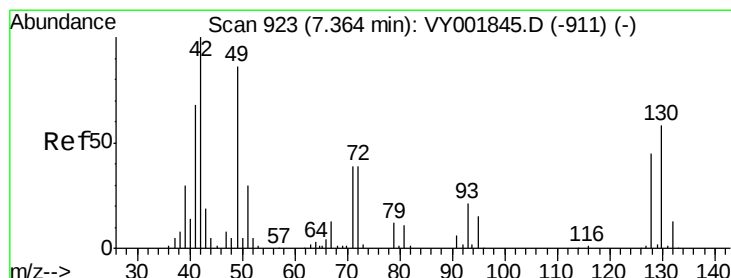
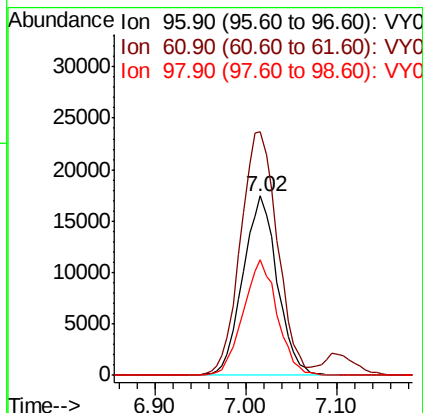
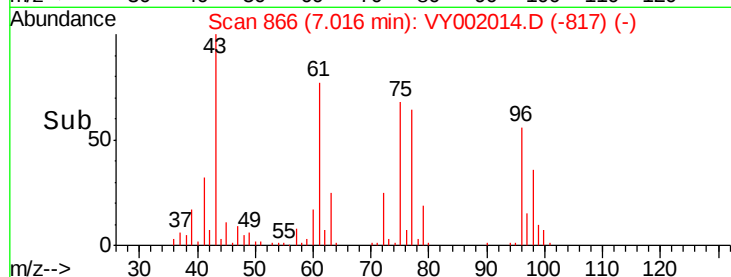
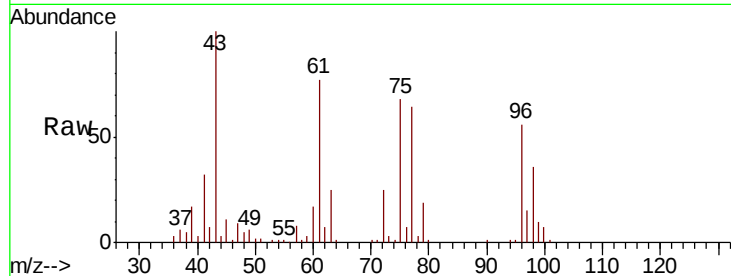


#27

cis-1,2-Dichloroethene
Concen: 21.593 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

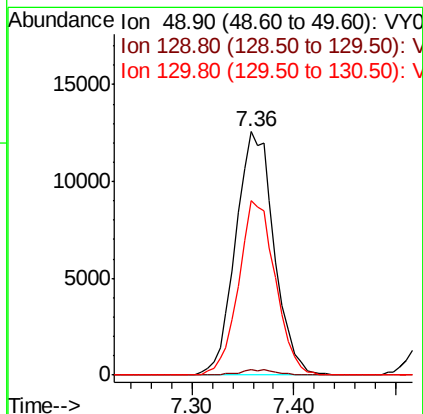
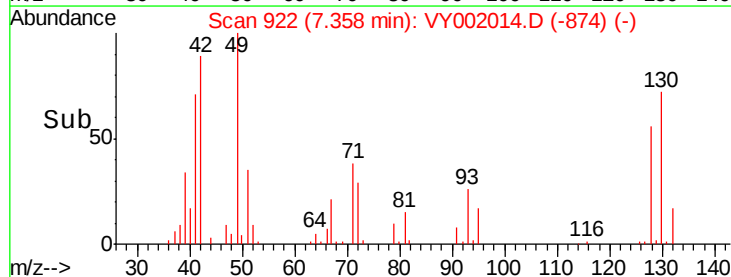
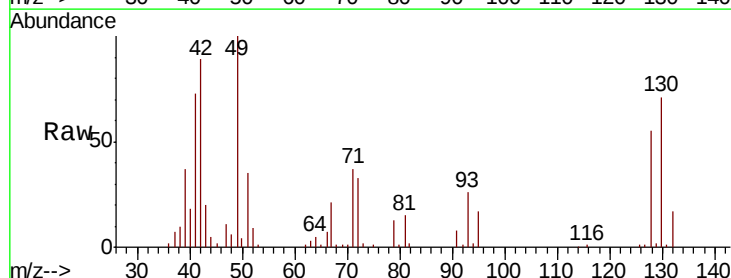
Tot Ion: 96 Resp: 45765
Ion Ratio Lower Upper
96 100
61 146.3 0.0 288.2
98 64.0 0.0 129.0

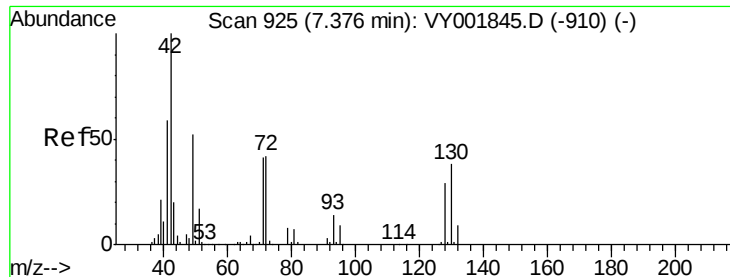


#28

Bromochloromethane
Concen: 21.581 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 49 Resp: 32860
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.8
130 68.6 54.4 81.6

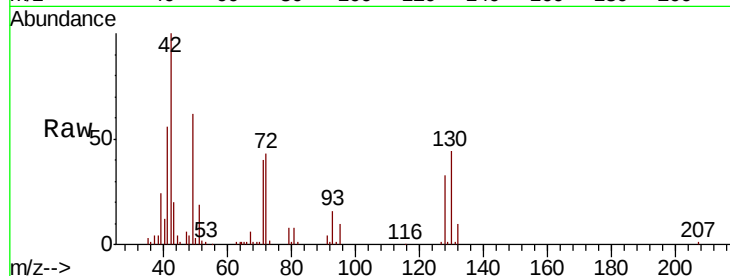




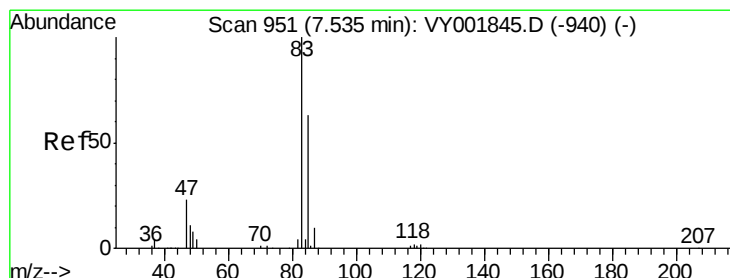
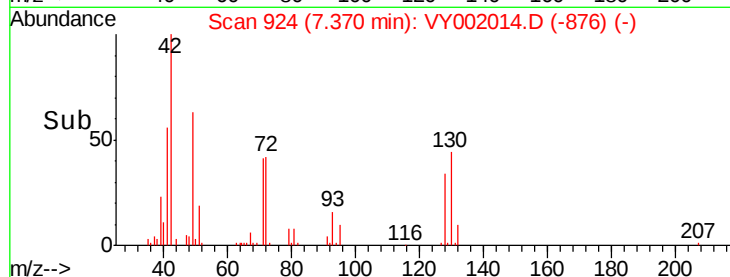
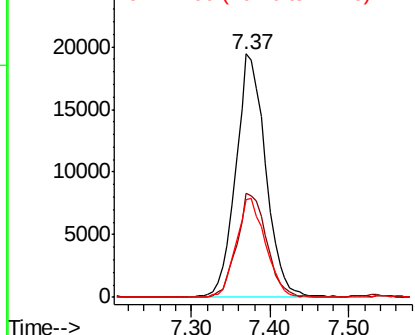
#29
Tetrahydrofuran
Concen: 106.014 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 42 Resp: 51397
Ion Ratio Lower Upper
42 100
72 42.3 33.5 50.3
71 40.1 31.3 46.9

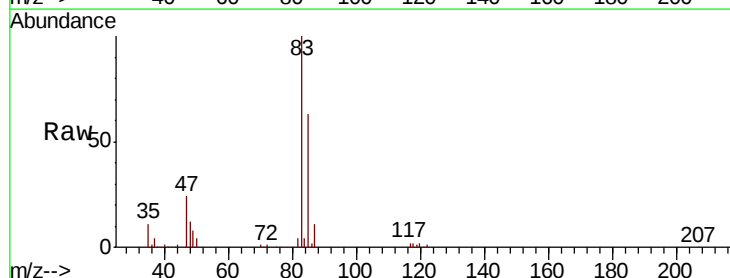


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

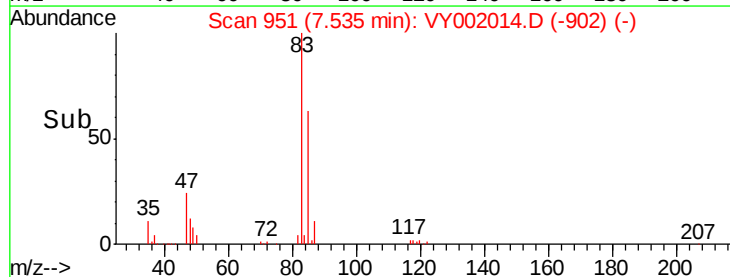
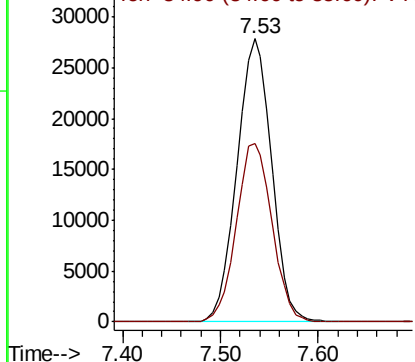


#30
Chloroform
Concen: 21.566 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 83 Resp: 68445
Ion Ratio Lower Upper
83 100
85 62.9 50.7 76.1



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





#31

Cyclohexane

Concen: 20.062 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

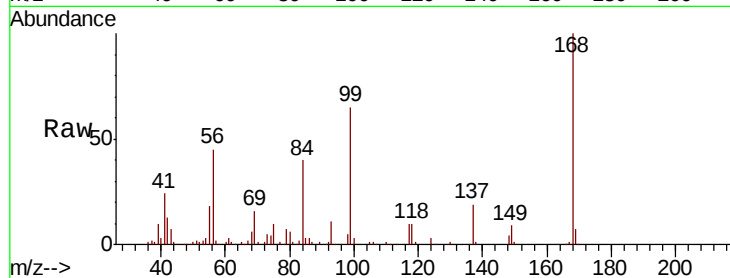
Tot Ion: 56 Resp: 72666

Ion Ratio Lower Upper

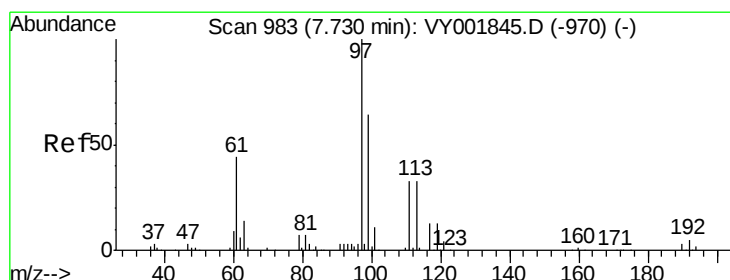
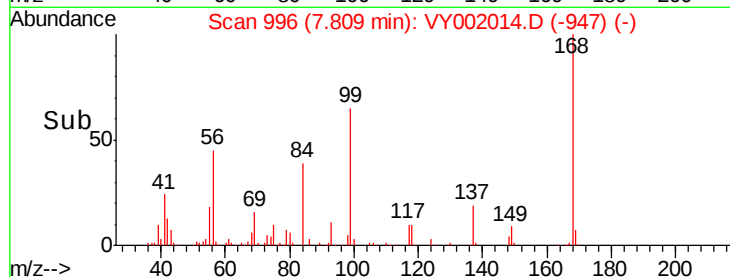
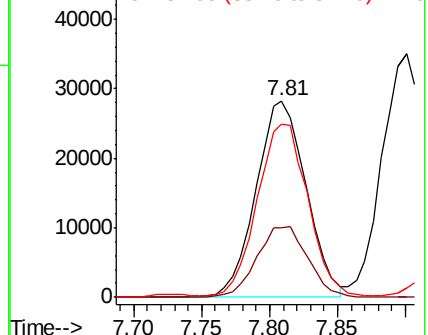
56 100

69 35.5 26.7 40.1

84 86.7 70.4 105.6



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: 21.054 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

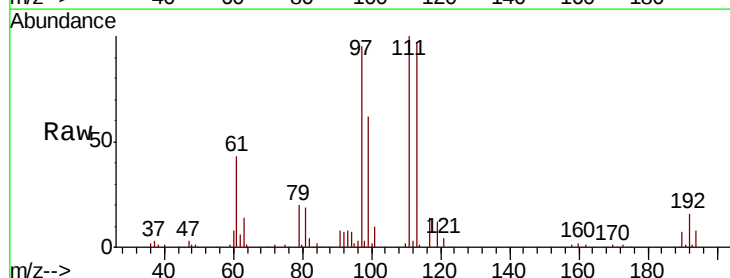
Tgt Ion: 97 Resp: 56319

Ion Ratio Lower Upper

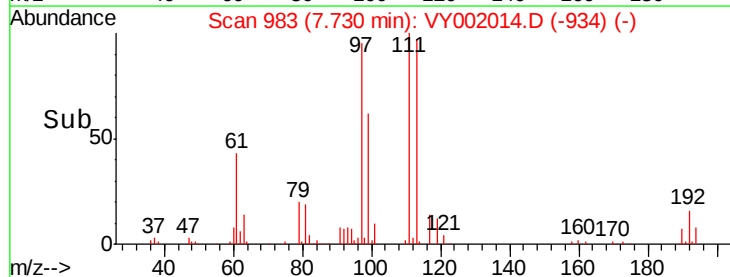
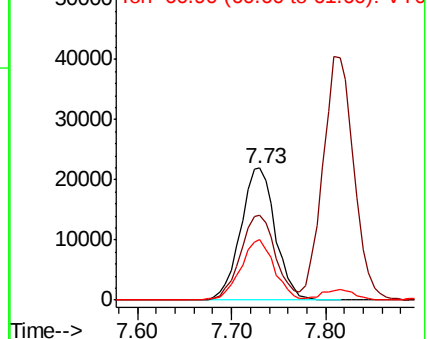
97 100

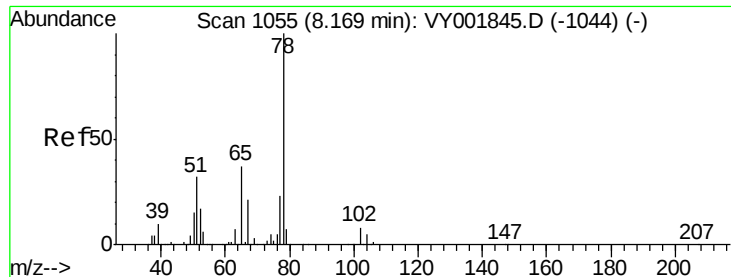
99 65.5 52.0 78.0

61 44.8 35.0 52.4



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

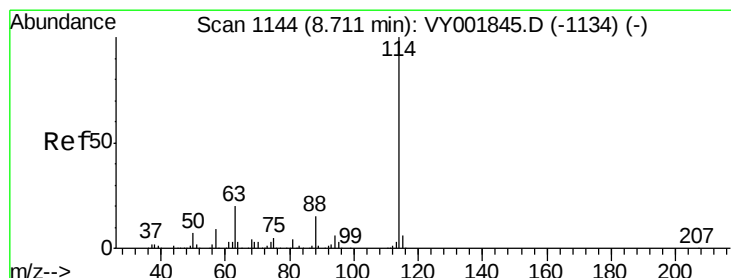
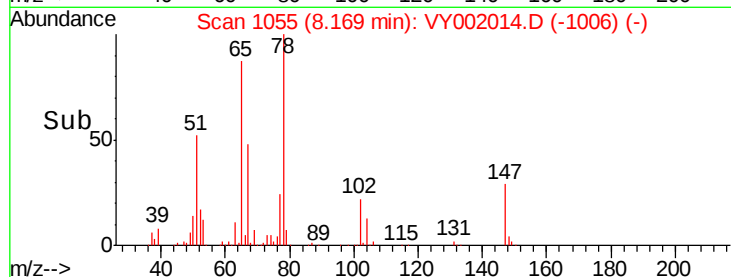
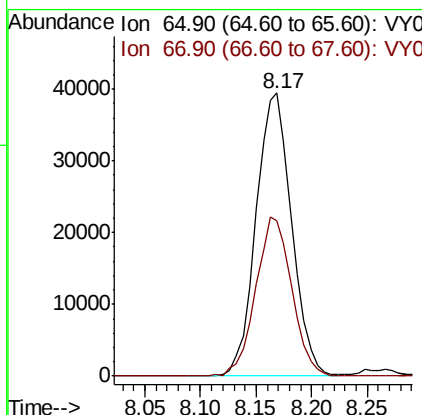
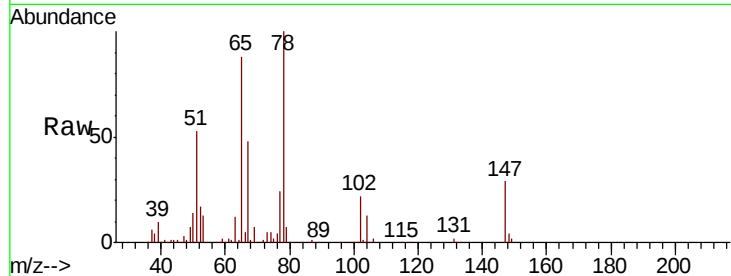




#33
 1,2-Dichloroethane-d4
 Concen: 53.229 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

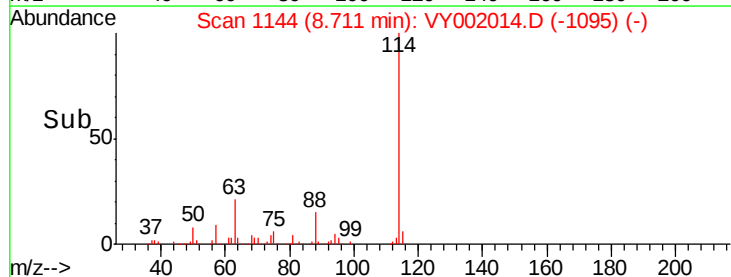
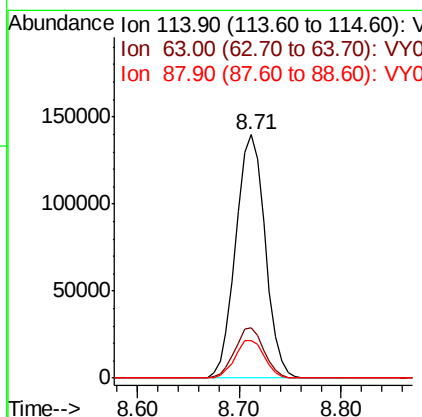
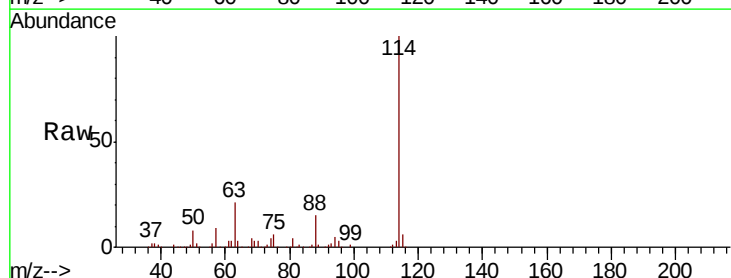
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

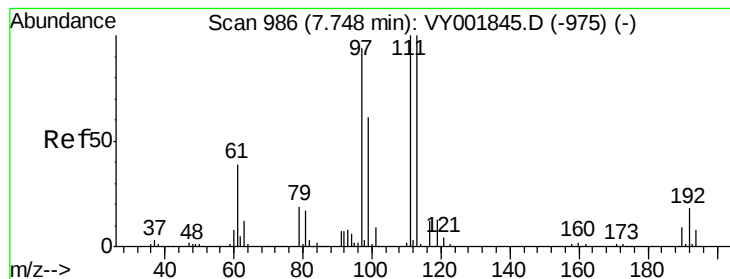
Tot Ion: 65 Resp: 87737
 Ion Ratio Lower Upper
 65 100
 67 57.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion: 114 Resp: 279257
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.4
 88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.508 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

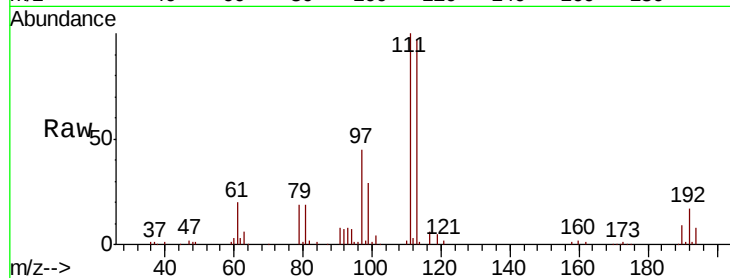
Tot Ion:113 Resp: 81593

Ion Ratio Lower Upper

113 100

111 105.1 81.8 122.8

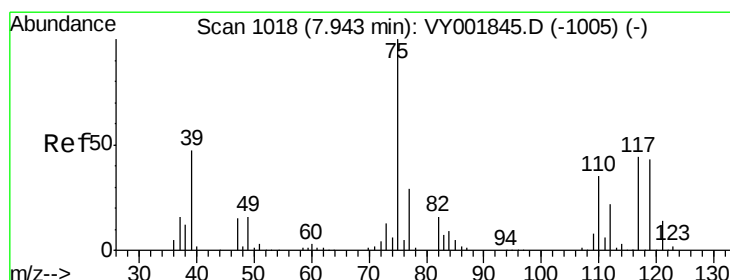
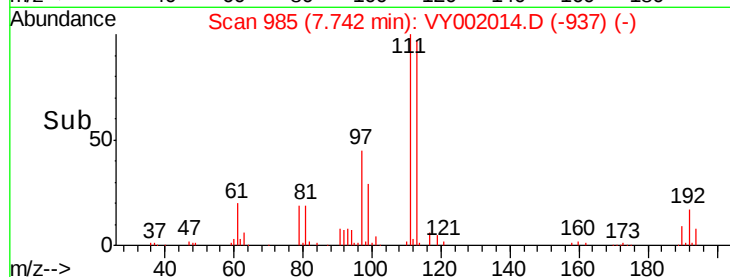
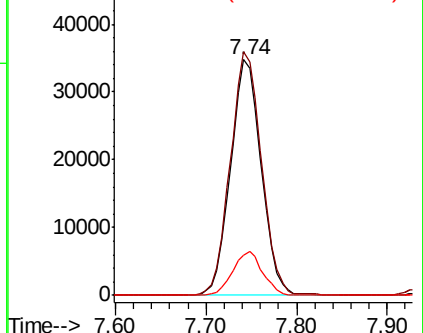
192 18.1 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.338 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

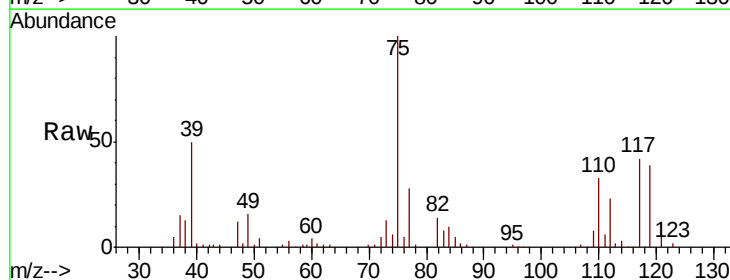
Tgt Ion: 75 Resp: 57341

Ion Ratio Lower Upper

75 100

110 33.5 17.4 52.2

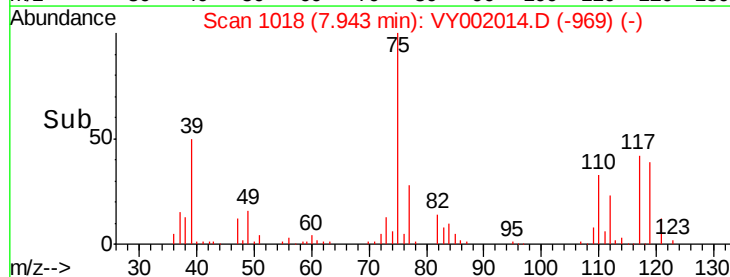
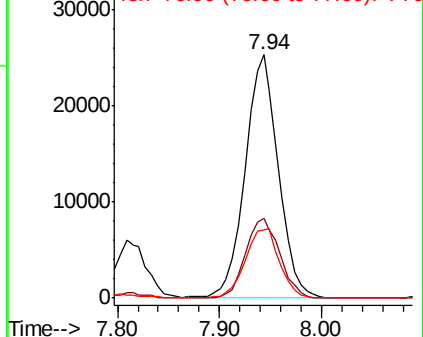
77 29.6 24.2 36.2

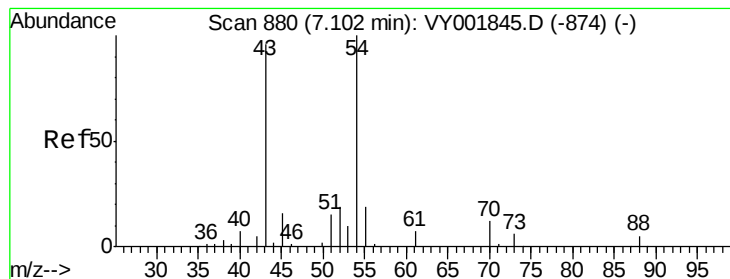


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 23.325 ug/l

RT: 7.10 min Scan# 880

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

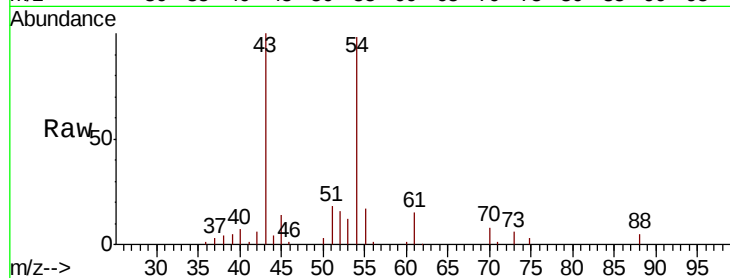
Tot Ion: 43 Resp: 36431

Ion Ratio Lower Upper

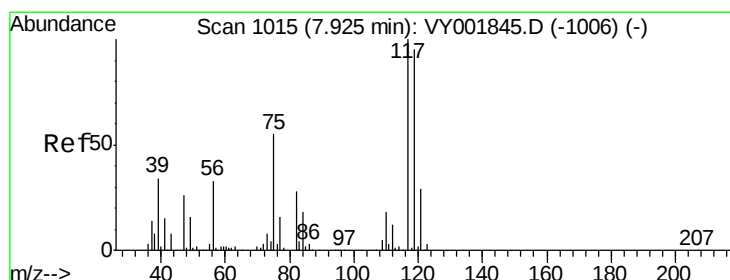
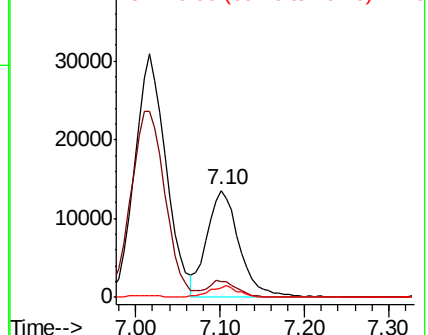
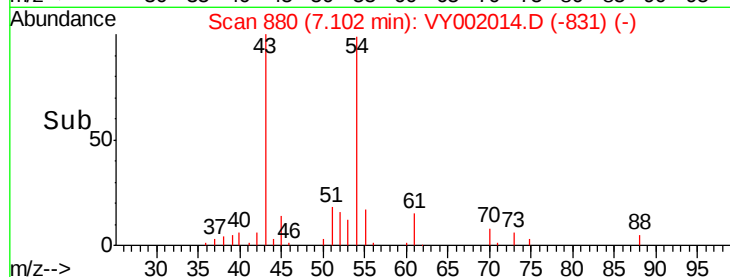
43 100

61 14.3 11.1 16.7

70 9.3 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VY002014.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 21.210 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

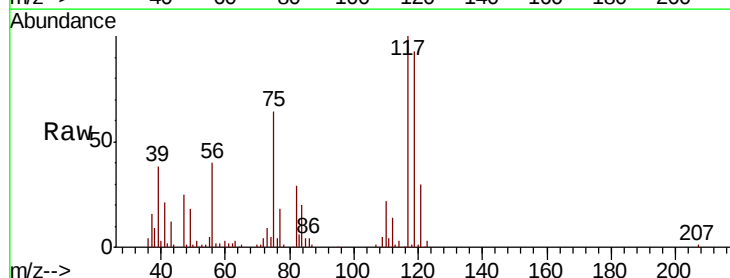
Tgt Ion: 117 Resp: 48690

Ion Ratio Lower Upper

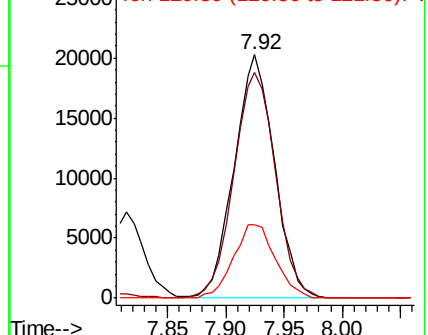
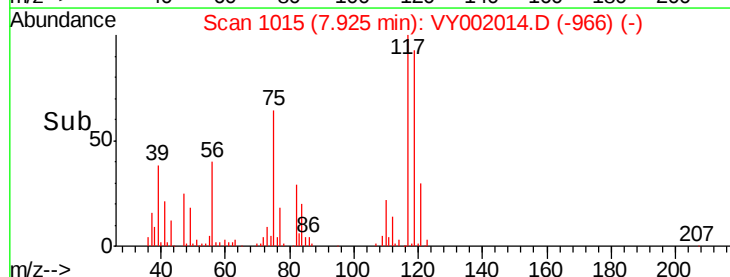
117 100

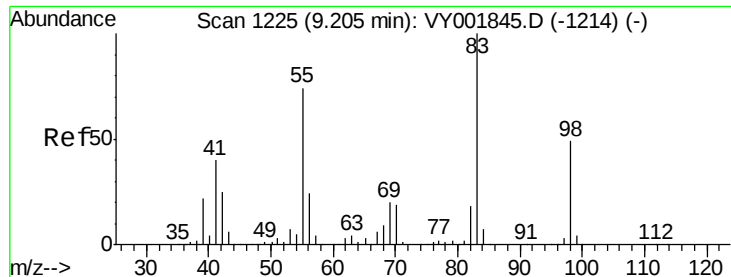
119 92.9 76.3 114.5

121 30.2 23.5 35.3



Abundance Ion 116.80 (116.50 to 117.50): VY002014.D (-966) (-)

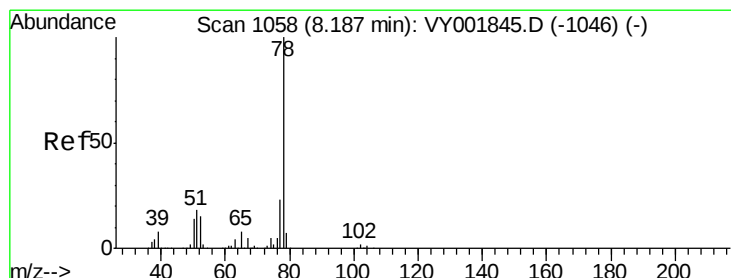
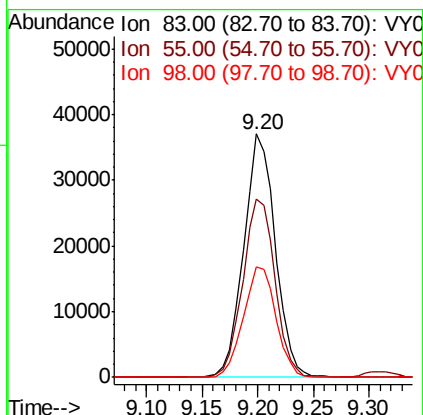
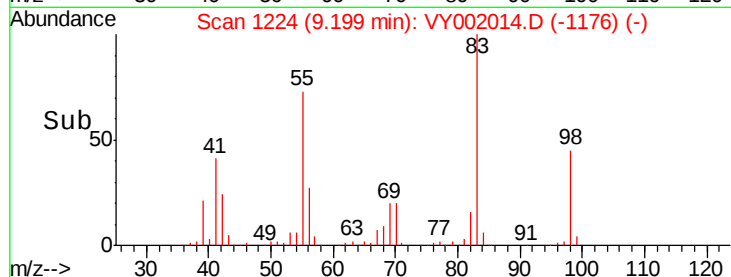
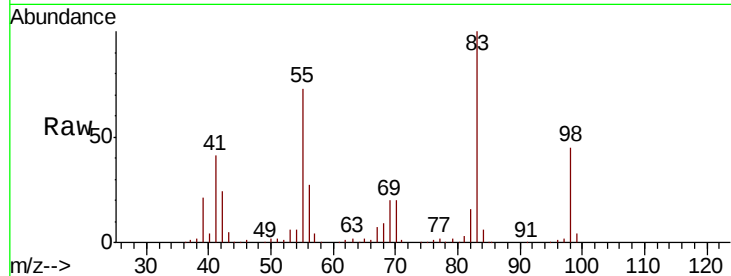




#39
Methvlcvclohexane
Concen: 20.483 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

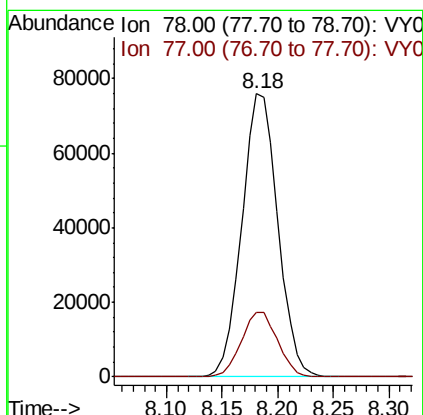
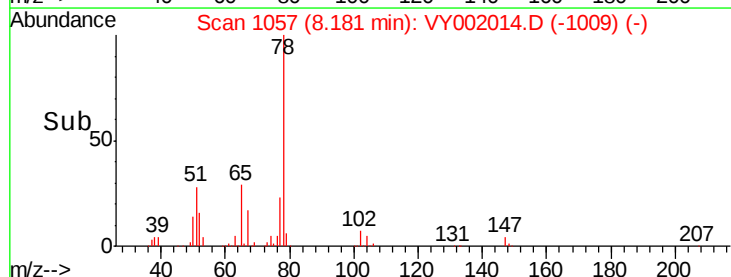
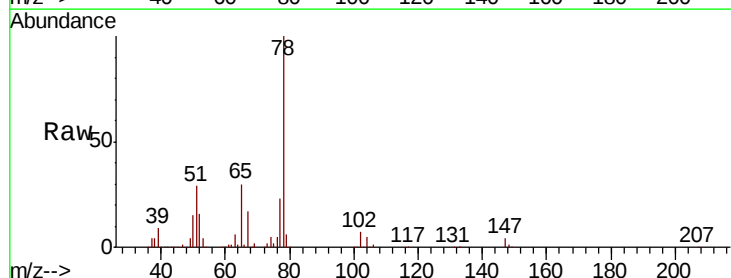
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

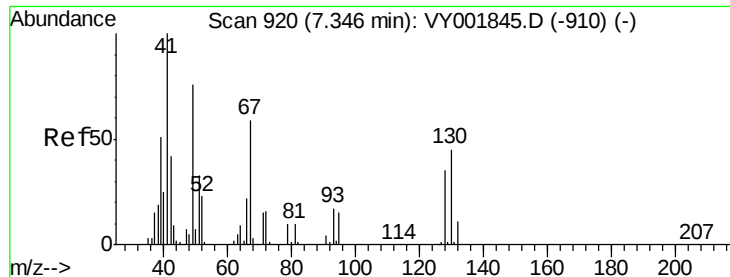
Tot Ion: 83 Resp: 73007
Ion Ratio Lower Upper
83 100
55 73.3 59.4 89.0
98 45.4 38.9 58.3



#40
Benzene
Concen: 21.412 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 78 Resp: 170547
Ion Ratio Lower Upper
78 100
77 22.7 18.7 28.1

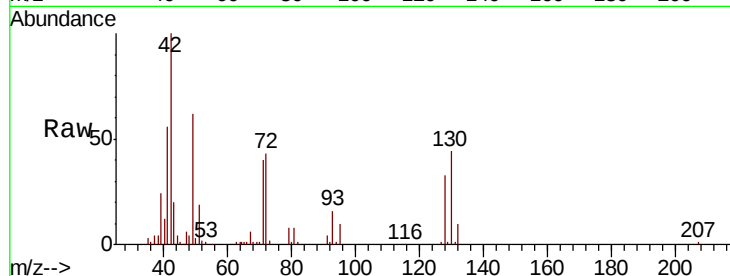




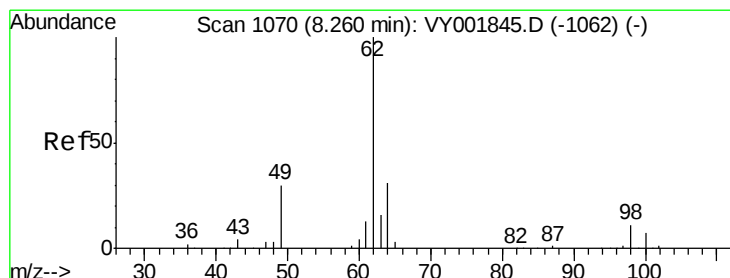
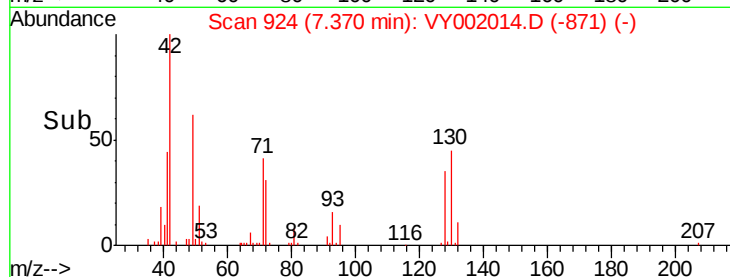
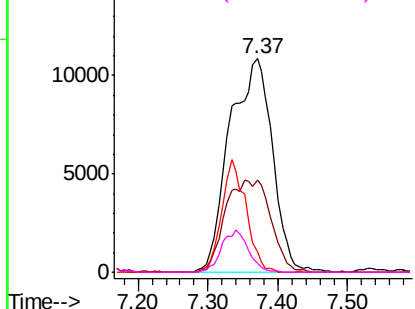
#41
Methacrylonitrile
Concen: 65.620 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 41 Resp: 46124
Ion Ratio Lower Upper
41 100
39 45.8 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

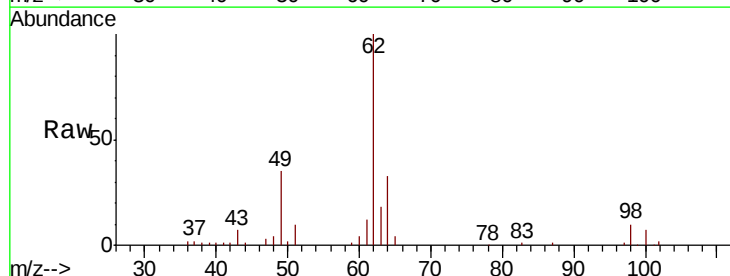


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

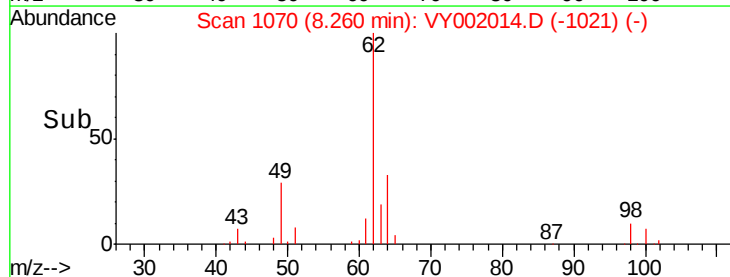
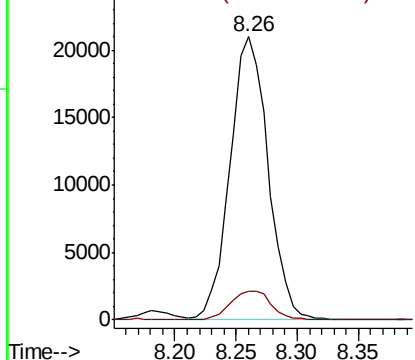


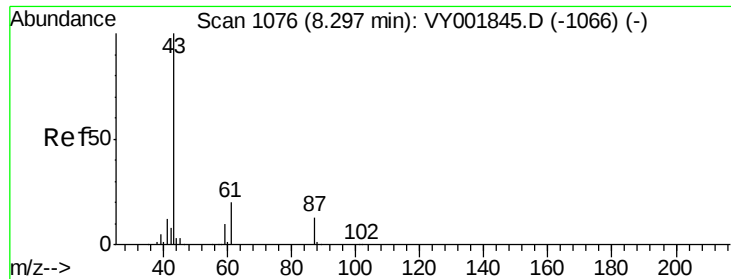
#42
1,2-Dichloroethane
Concen: 22.055 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 62 Resp: 45267
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.4



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



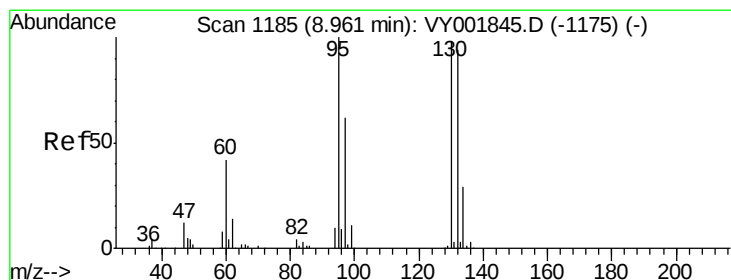
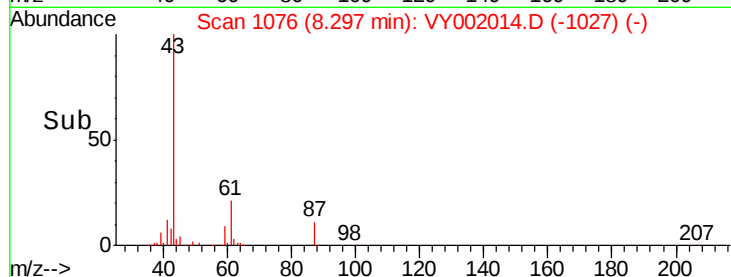
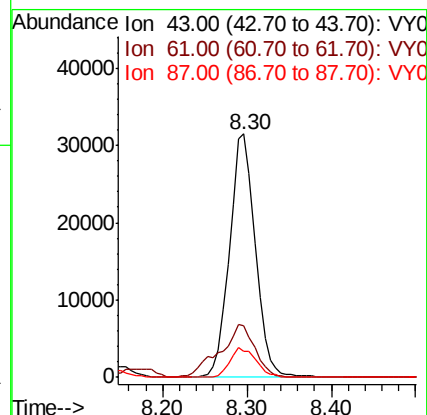
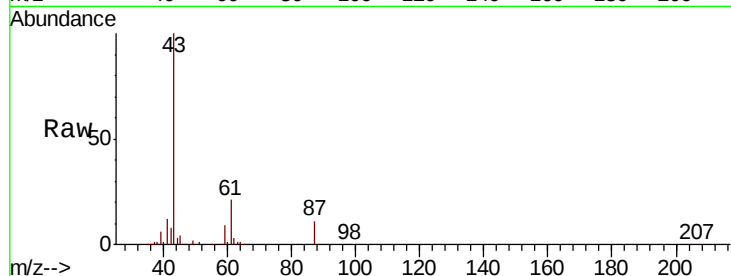


#43

Isopropyl Acetate
 Concen: 22.104 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

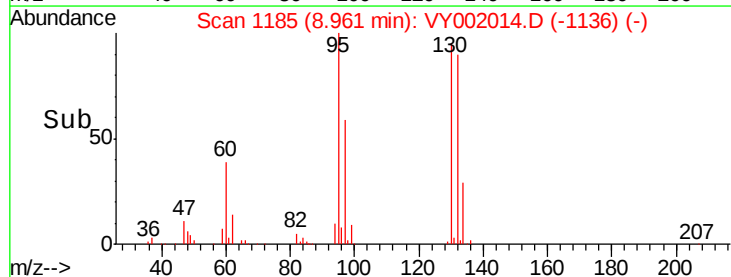
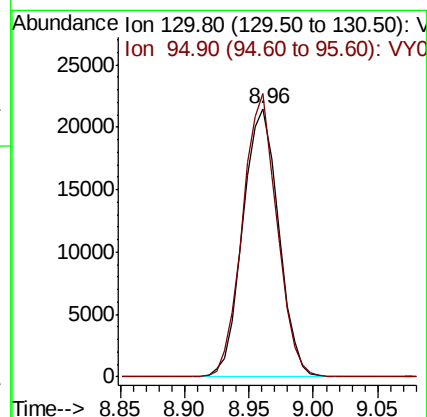
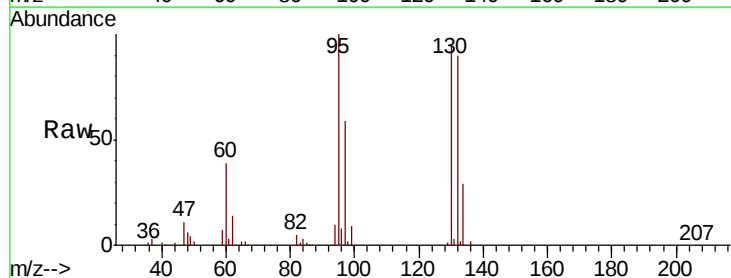
Tot Ion	43	Resp	65363
Ion Ratio	Lower	Upper	
43	100		
61	29.3	23.8	35.6
87	12.4	10.9	16.3

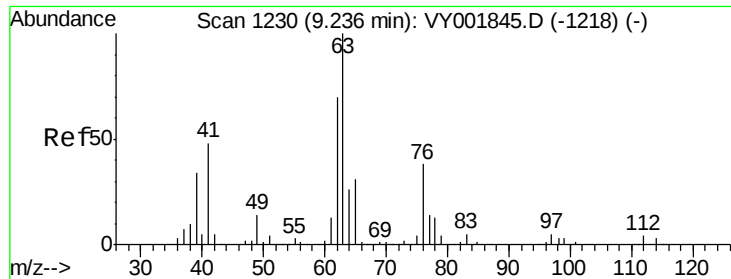


#44

Trichloroethene
 Concen: 21.344 ug/l
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion	130	Resp	41405
Ion Ratio	Lower	Upper	
130	100		
95	105.5	0.0	204.6





#45

1,2-Dichloropropane

Concen: 22.197 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

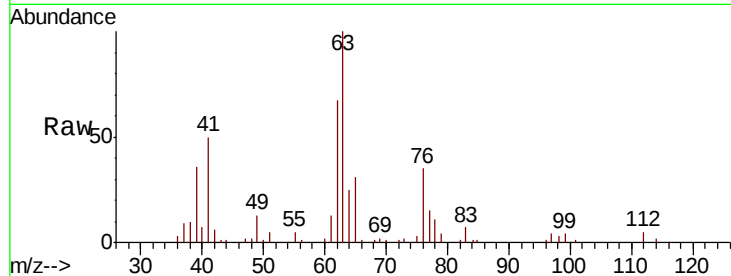
VY0319SBS01

Tot Ion: 63 Resp: 44446

Ion Ratio Lower Upper

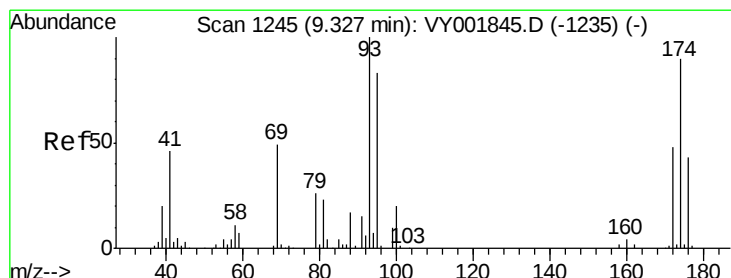
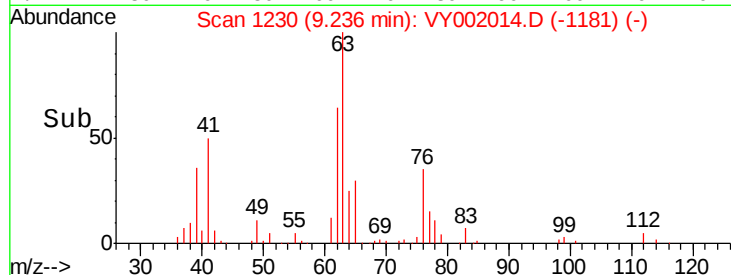
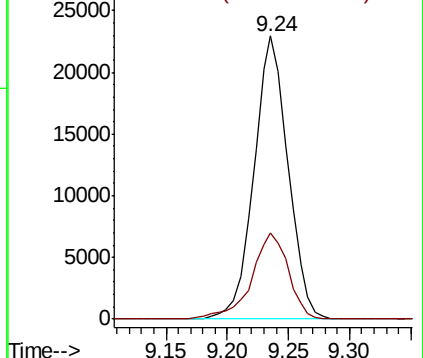
63 100

65 30.6 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.696 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

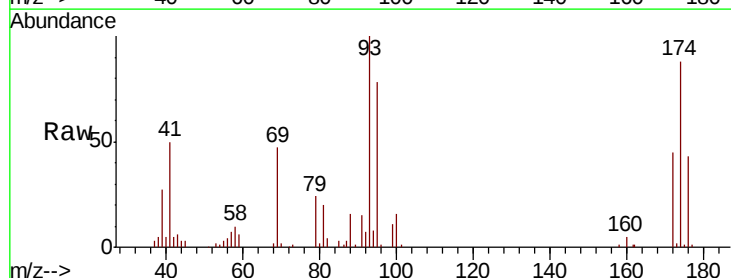
Tgt Ion: 93 Resp: 22387

Ion Ratio Lower Upper

93 100

95 82.7 67.0 100.4

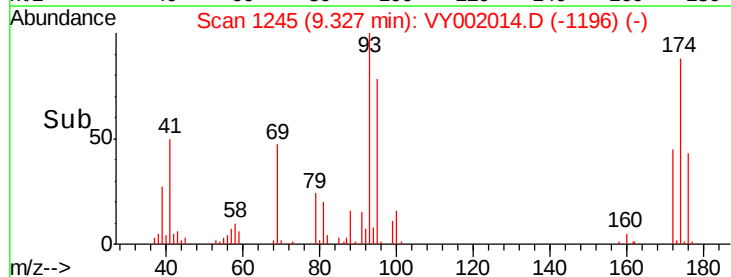
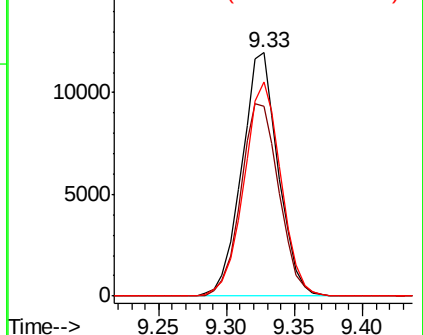
174 89.2 71.8 107.8

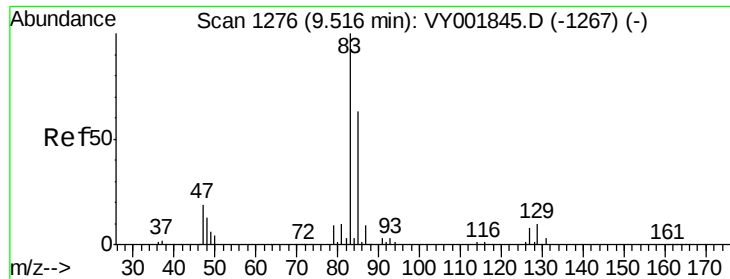


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

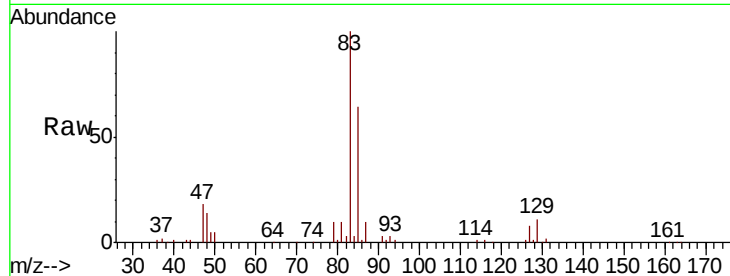




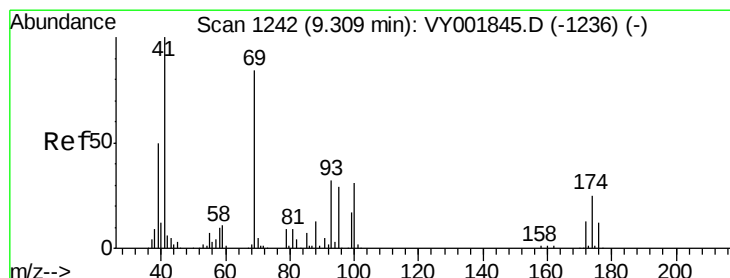
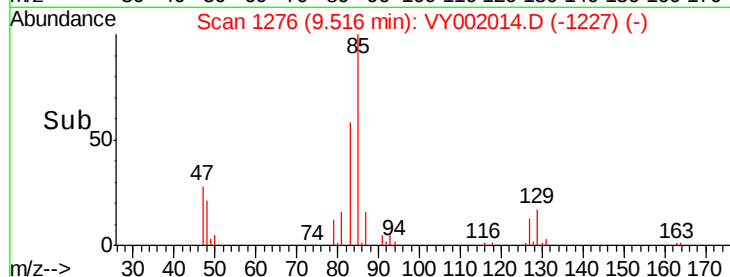
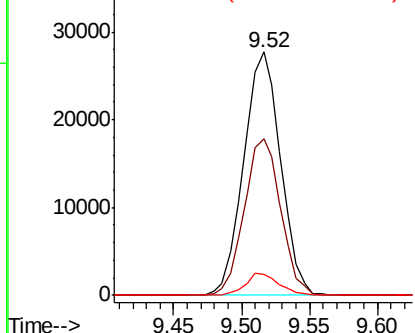
#47
Bromodichloromethane
Concen: 21.939 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion	83	Resp	52660
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.6	76.0
127	8.4	6.2	9.4

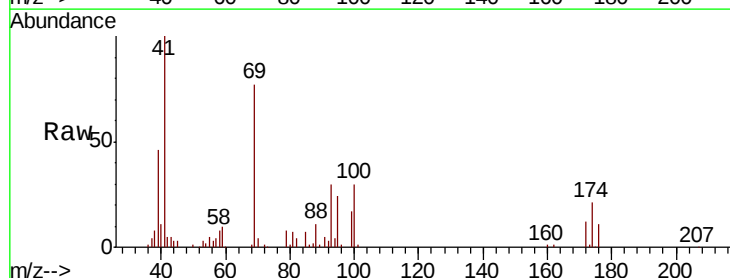


Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V

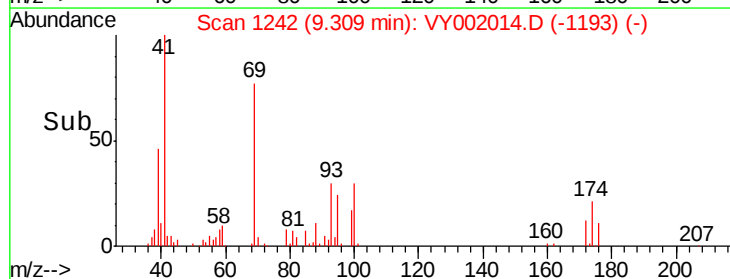
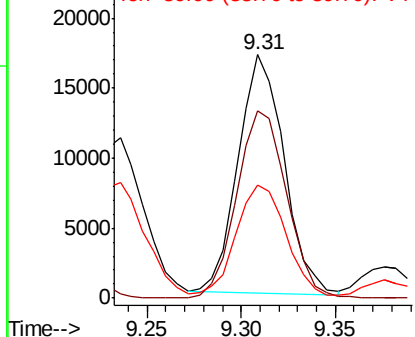


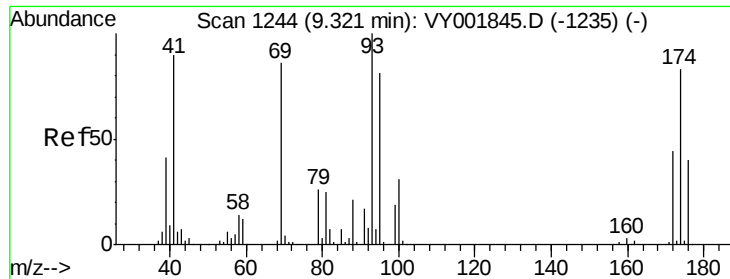
#48
Methyl methacrylate
Concen: 22.054 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion	41	Resp	28937
Ion Ratio	Lower	Upper	
41	100		
69	85.0	69.0	103.6
39	48.9	39.1	58.7



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

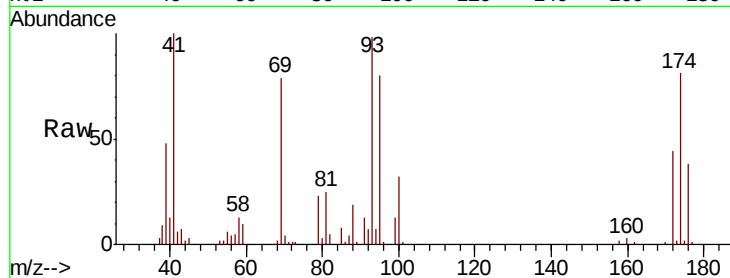




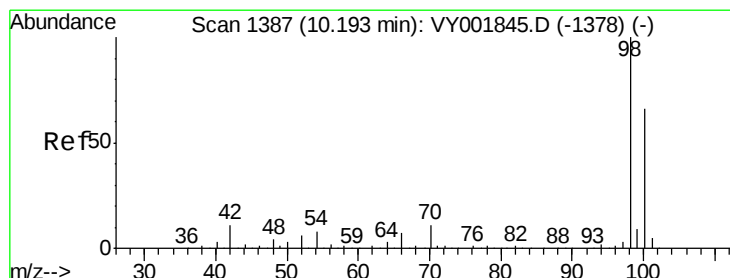
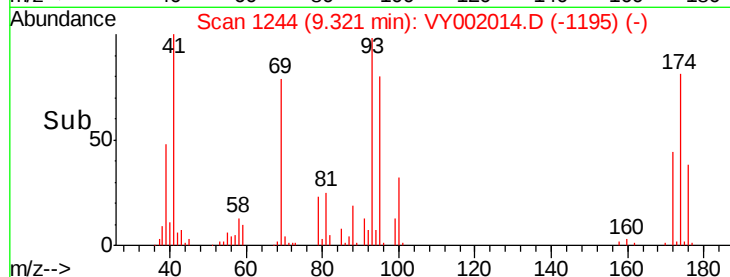
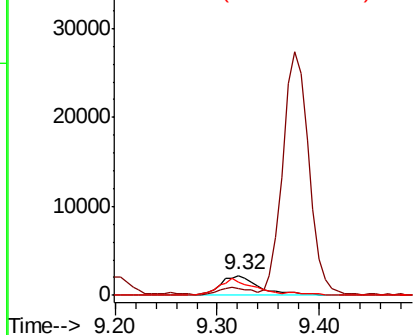
#49
 1,4-Dioxane
 Concen: 410.151 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

Tot Ion: 88 Resp: 5799
 Ion Ratio Lower Upper
 88 100
 43 31.0 25.0 37.6
 58 75.2 58.9 88.3

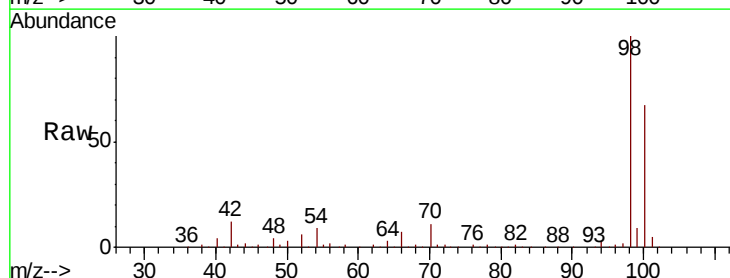


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

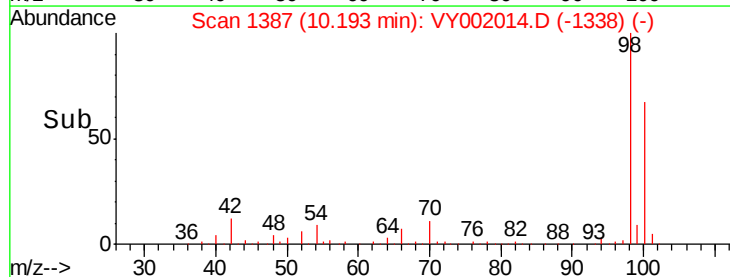
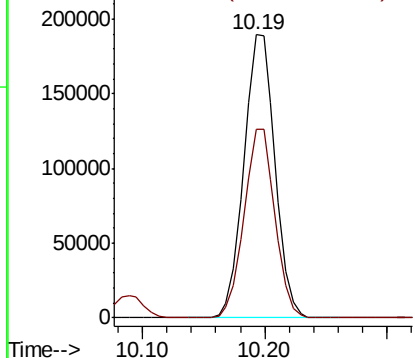


#50
 Toluene-d8
 Concen: 52.035 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion: 98 Resp: 334589
 Ion Ratio Lower Upper
 98 100
 100 66.2 53.0 79.4



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: 116.017 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

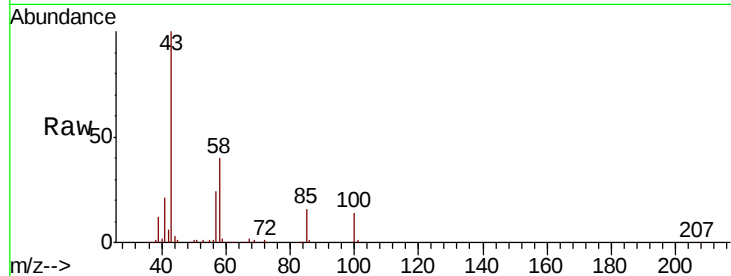
VY0319SBS01

Tot Ion: 43 Resp: 176705

Ion Ratio Lower Upper

43 100

58 39.7 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

120000

100000

80000

60000

40000

20000

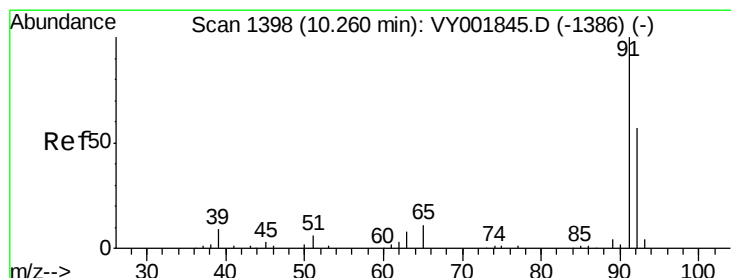
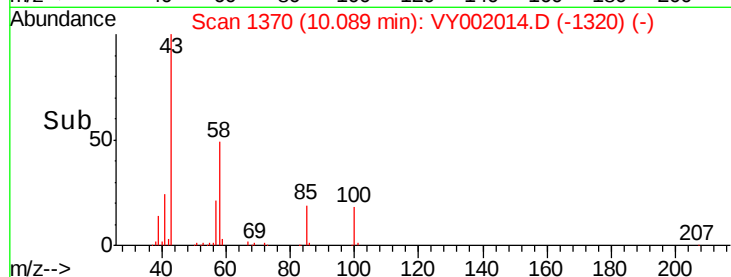
0

10.09

10.00

10.10

Time-->



#52

Toluene

Concen: 21.581 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VY002014.D

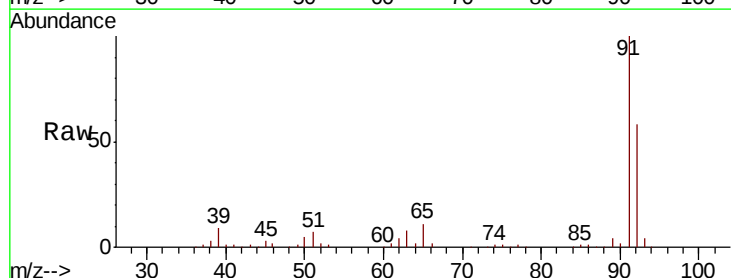
Acq: 19 Mar 2020 12:31

Tgt Ion: 92 Resp: 104422

Ion Ratio Lower Upper

92 100

91 171.5 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

120000

100000

80000

60000

40000

20000

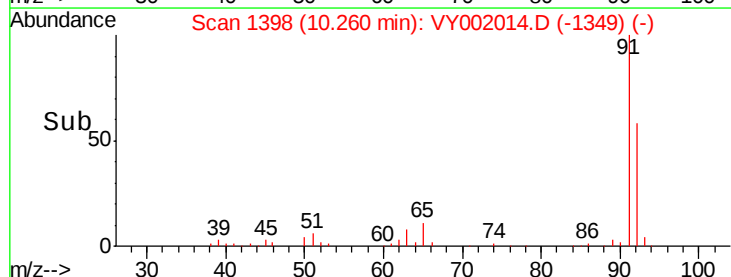
0

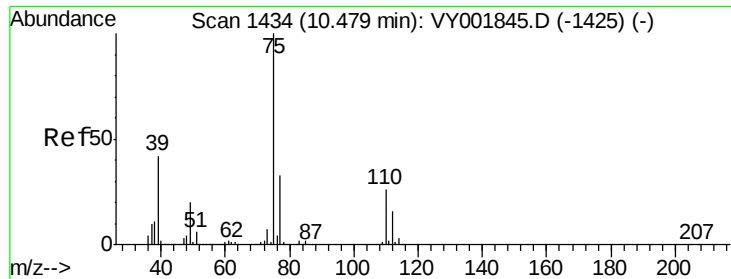
10.26

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.082 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

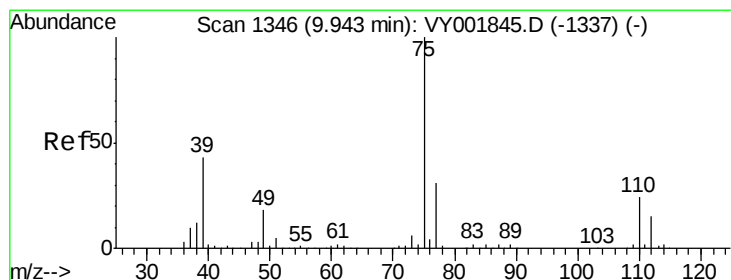
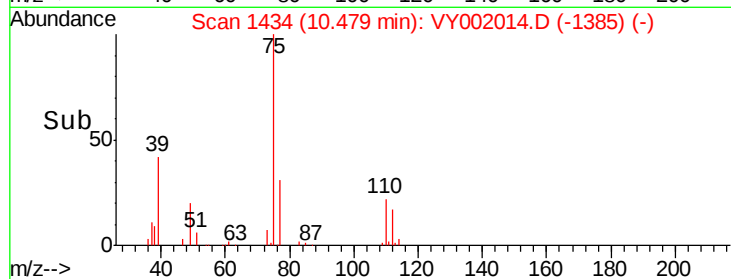
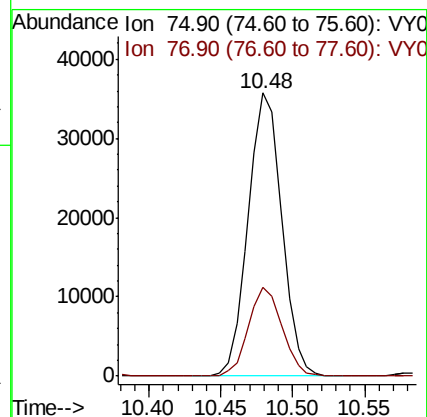
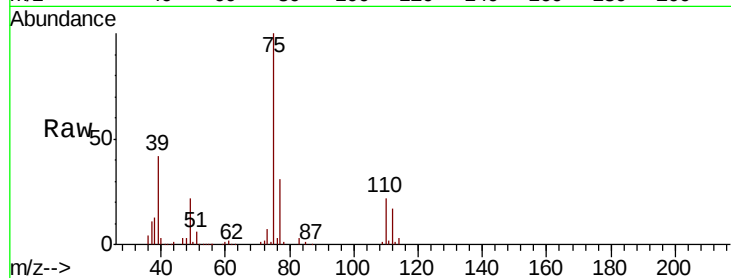
VY0319SBS01

Tot Ion: 75 Resp: 57746

Ion Ratio Lower Upper

75 100

77 31.3 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 21.515 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

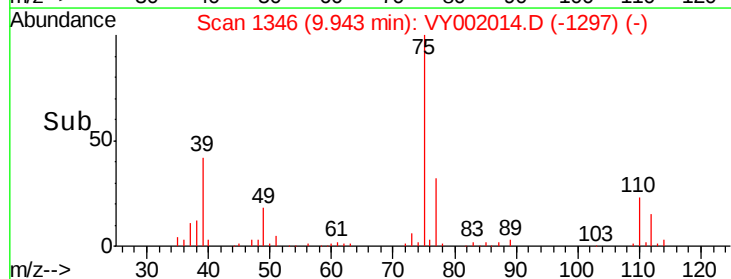
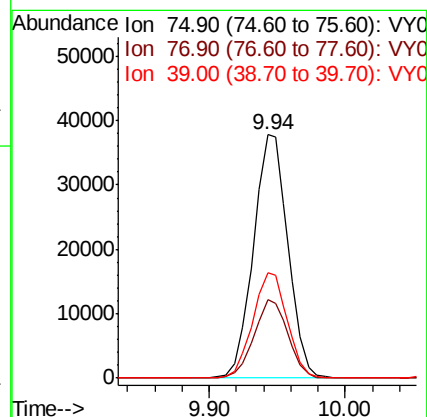
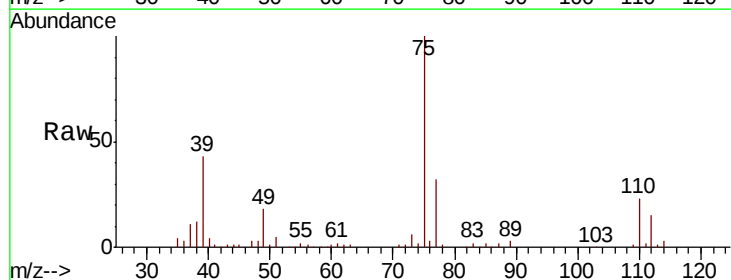
Tgt Ion: 75 Resp: 66979

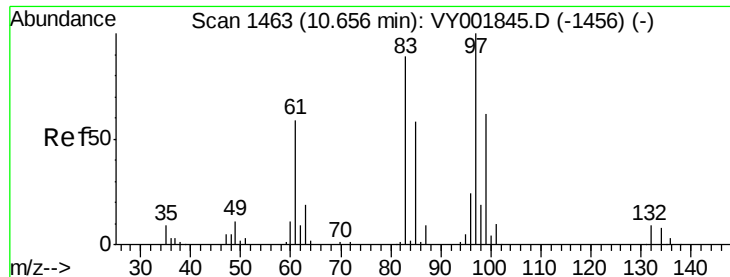
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 43.3 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 21.927 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

Tot Ion: 97 Resp: 33111

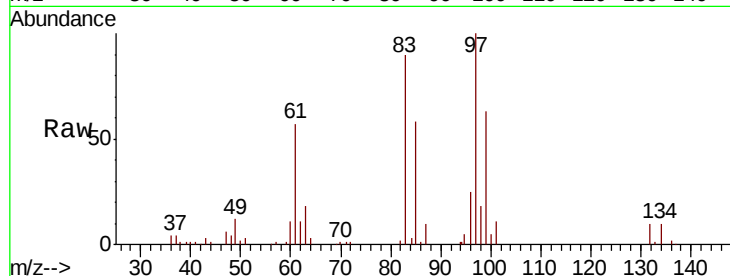
Ion Ratio Lower Upper

97 100

83 89.9 71.6 107.4

85 58.1 46.6 69.8

99 63.0 49.8 74.6

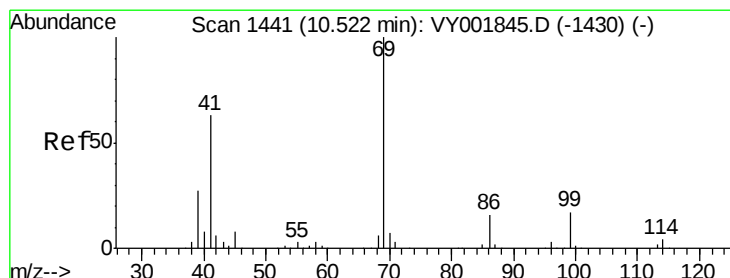
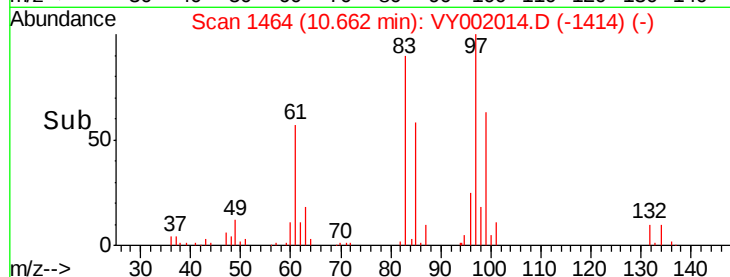
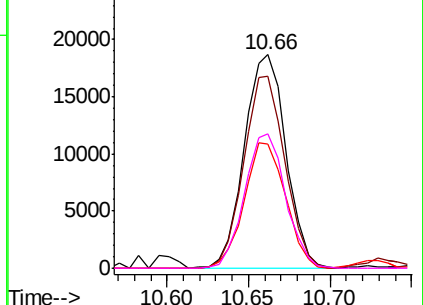


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 21.621 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

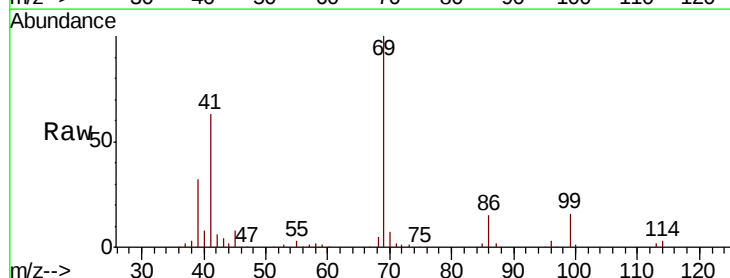
Tgt Ion: 69 Resp: 47856

Ion Ratio Lower Upper

69 100

41 64.2 49.9 74.9

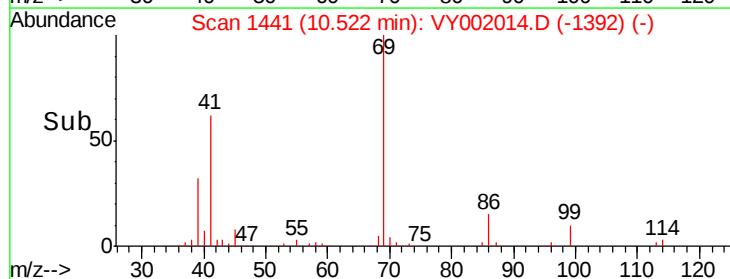
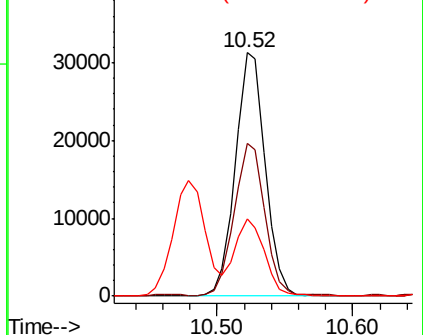
39 31.9 23.0 34.6



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: 21.843 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

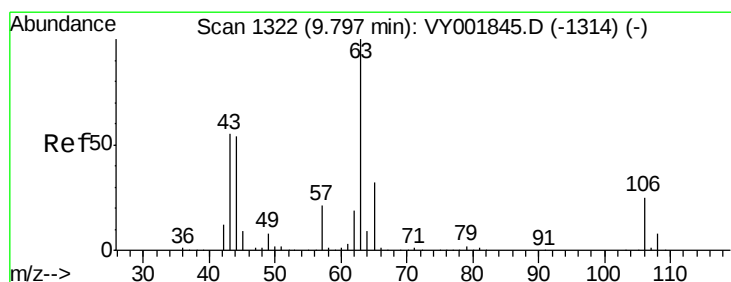
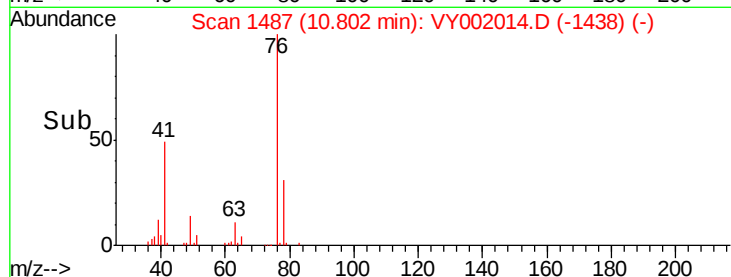
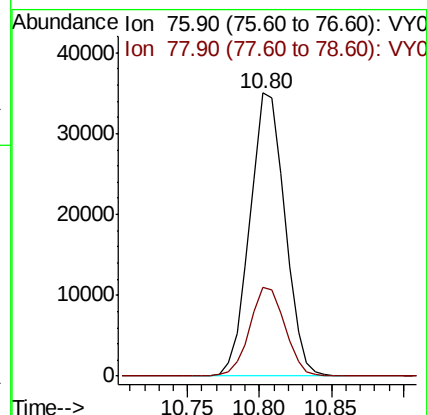
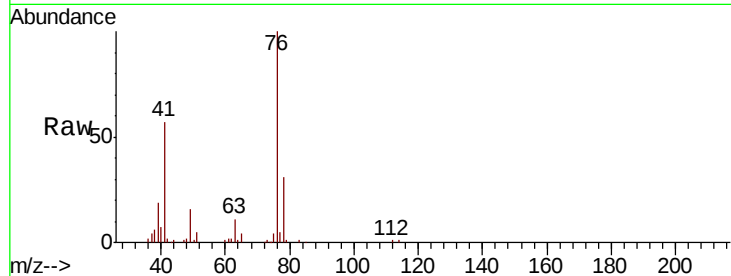
VY0319SBS01

Tot Ion: 76 Resp: 58796

Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 143.134 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY002014.D

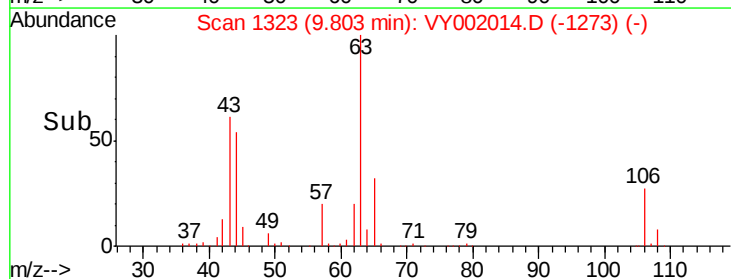
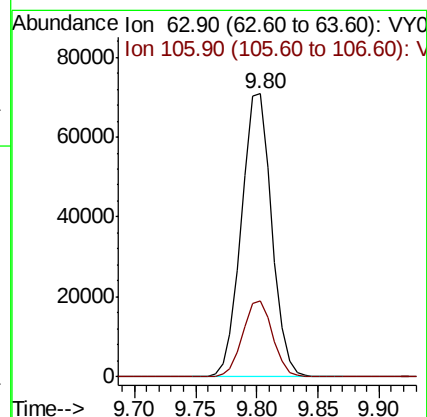
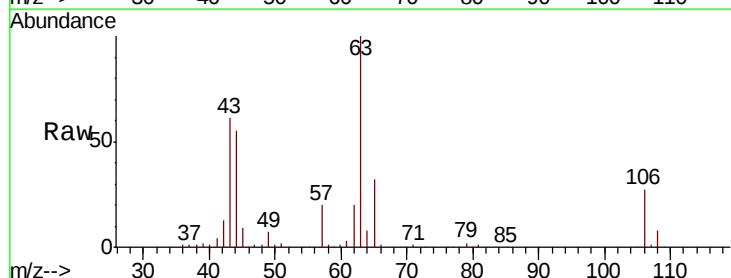
Acq: 19 Mar 2020 12:31

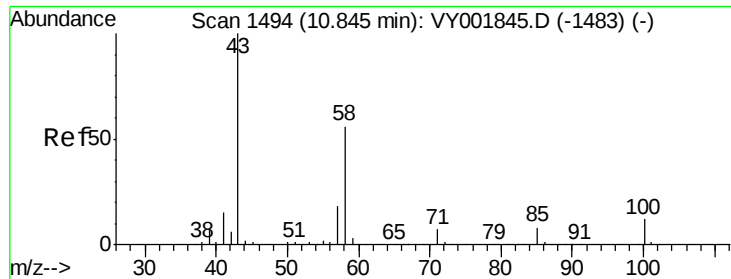
Tgt Ion: 63 Resp: 121383

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9

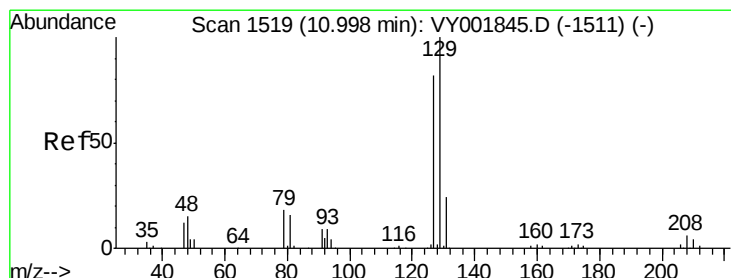
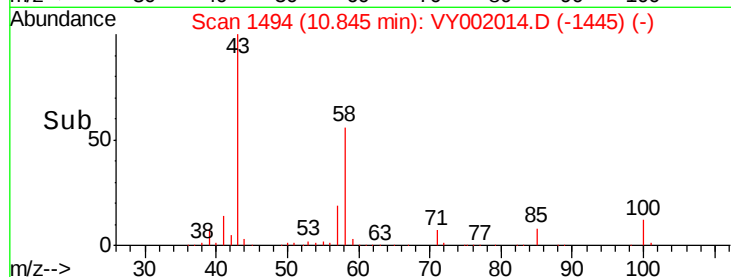
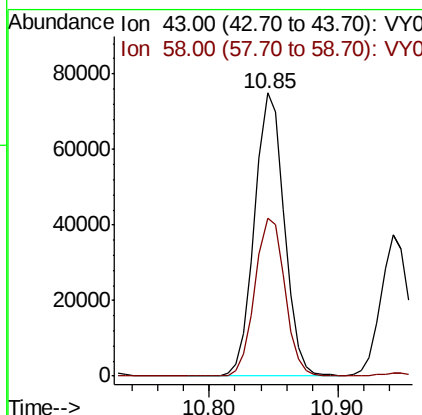
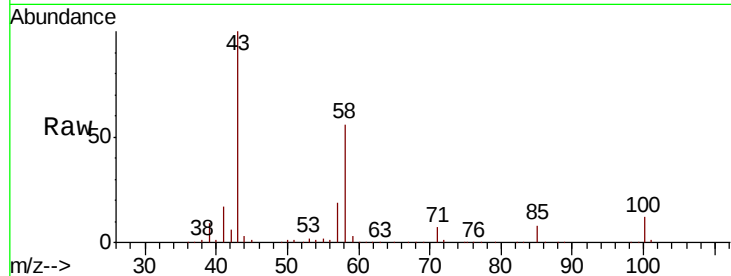




#59
2-Hexanone
Concen: 109.565 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

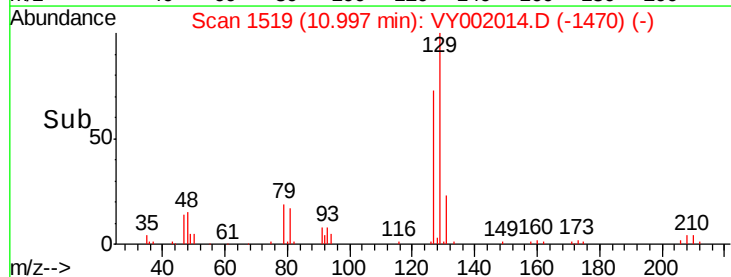
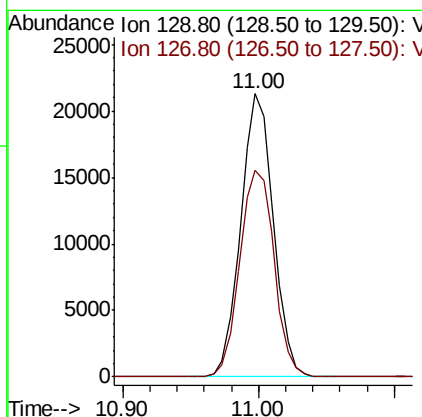
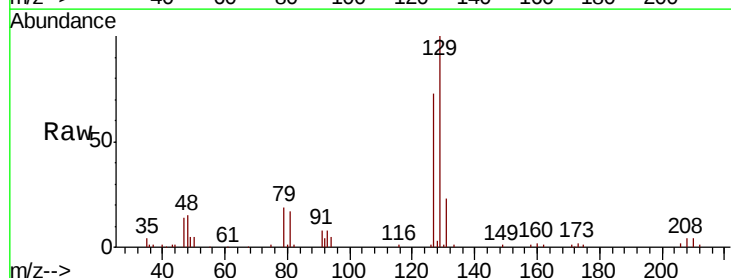
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 43 Resp: 119109
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3



#60
Dibromochloromethane
Concen: 22.334 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:129 Resp: 35538
Ion Ratio Lower Upper
129 100
127 77.1 39.0 117.0

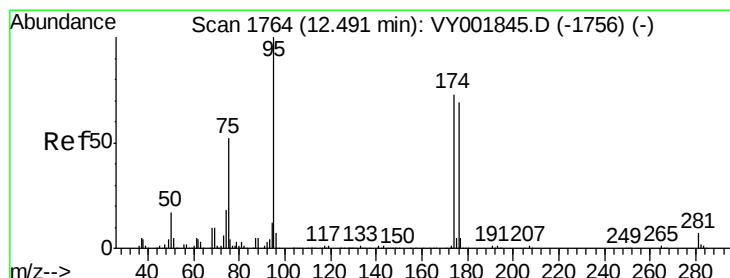
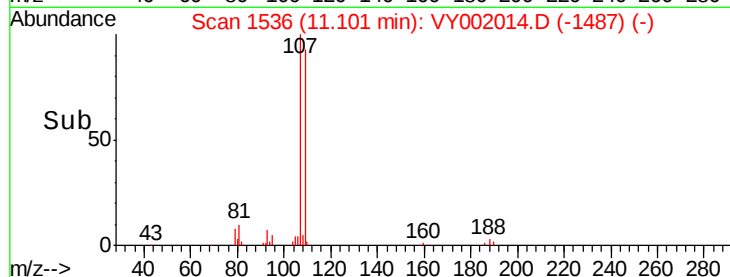
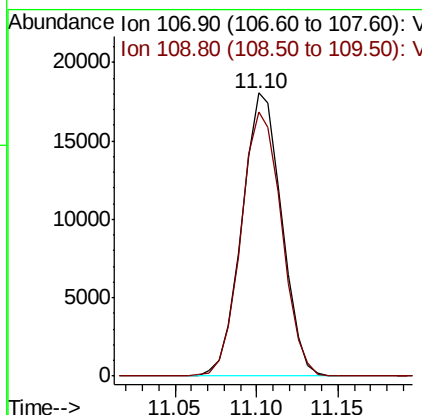
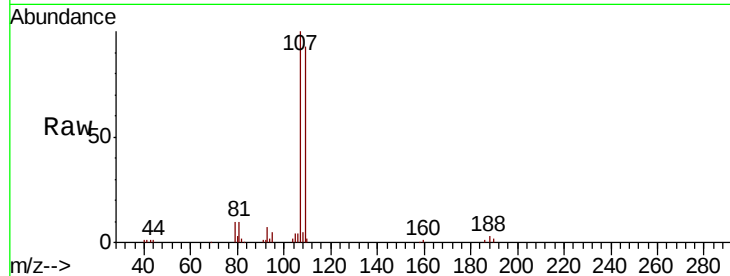




#61
 1,2-Dibromoethane
 Concen: 21.442 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

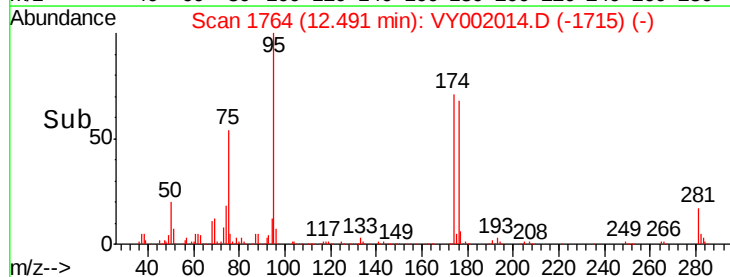
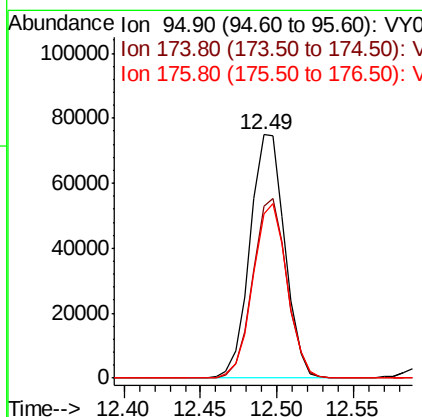
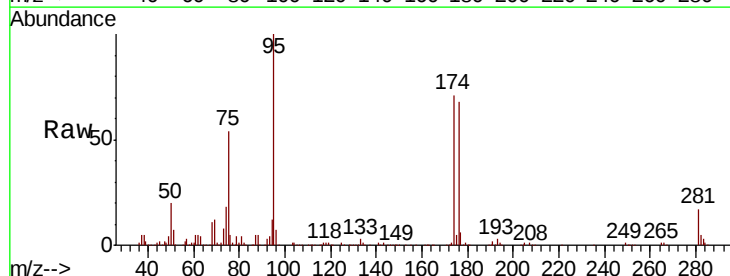
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

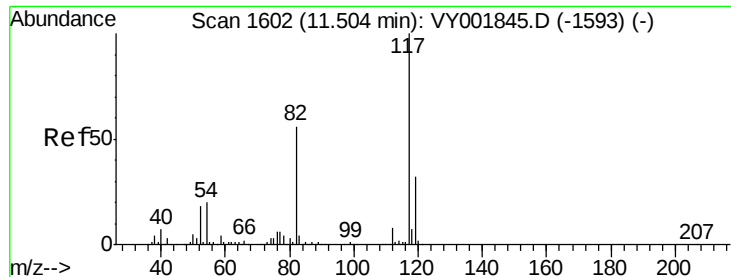
Tot Ion: 107 Resp: 30671
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.980 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion: 95 Resp: 118455
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 145.0
 176 70.7 0.0 137.4

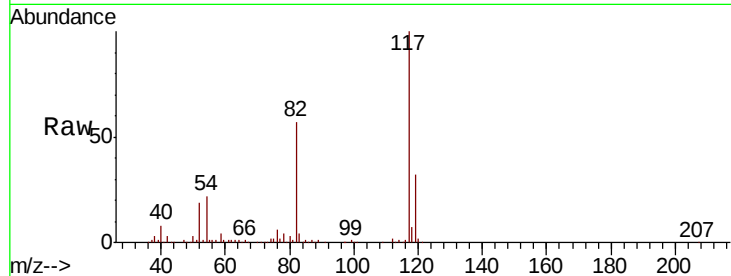




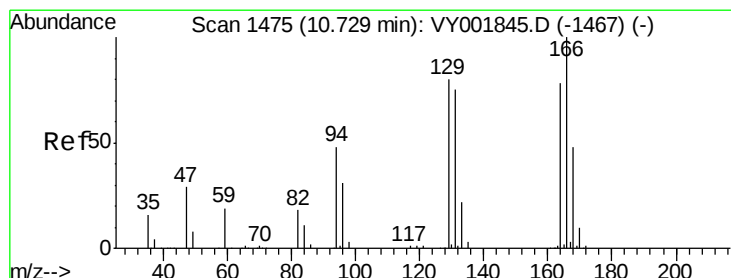
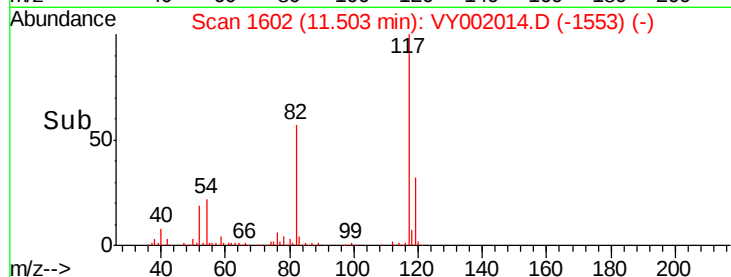
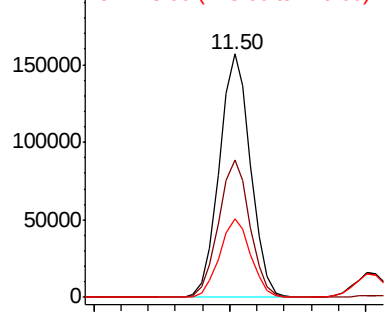
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion:117 Resp: 252058
Ion Ratio Lower Upper
117 100
82 56.6 44.5 66.7
119 32.0 25.7 38.5

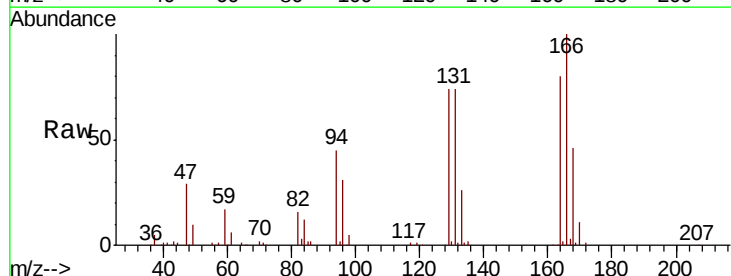


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

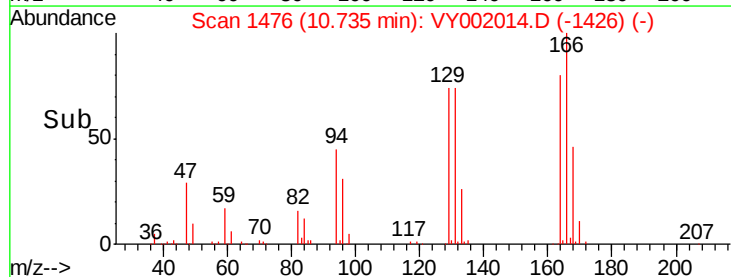
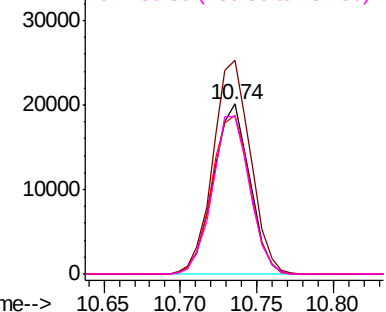


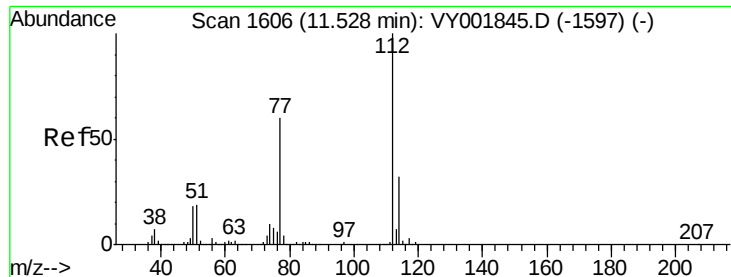
#64
Tetrachloroethene
Concen: 21.081 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:164 Resp: 33323
Ion Ratio Lower Upper
164 100
166 125.7 102.6 154.0
129 93.3 82.3 123.5
131 92.8 77.4 116.0



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

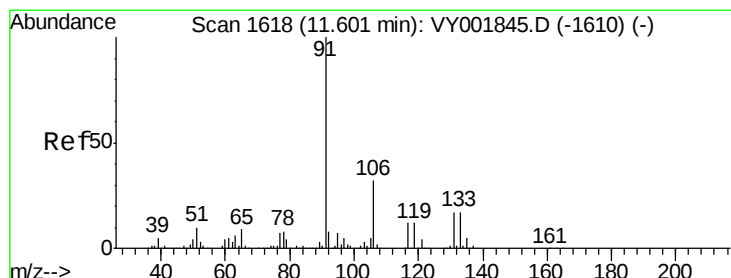
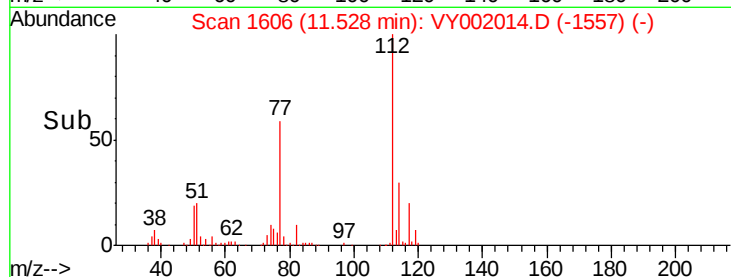
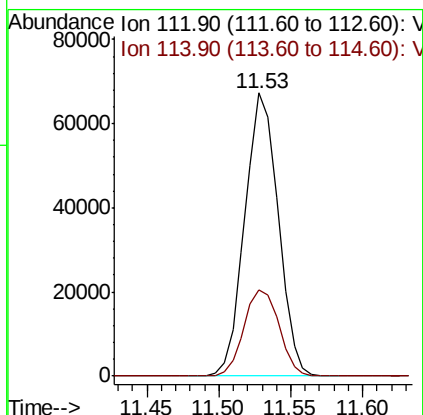
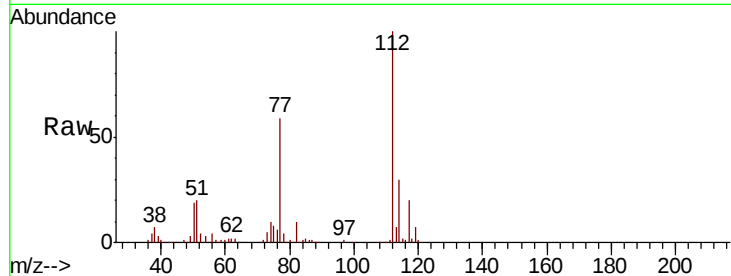




#65
Chlorobenzene
Concen: 21.506 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

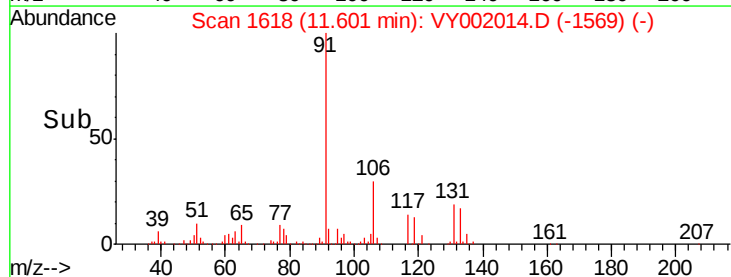
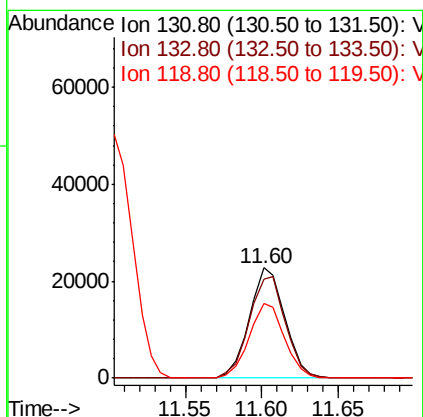
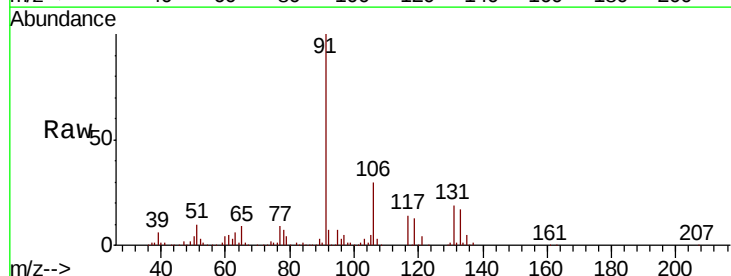
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

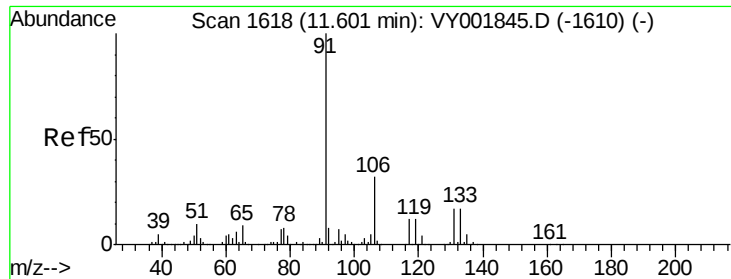
Tot Ion:112 Resp: 108012
Ion Ratio Lower Upper
112 100
114 30.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.259 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:131 Resp: 36661
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 68.0 34.5 103.6

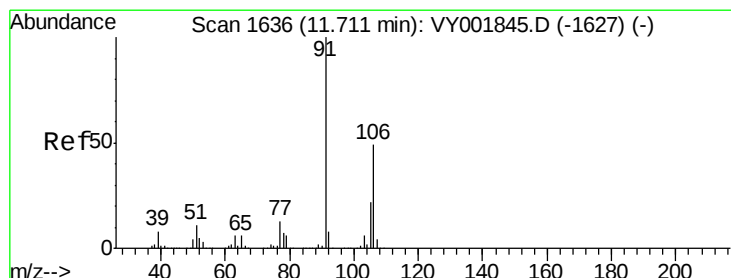
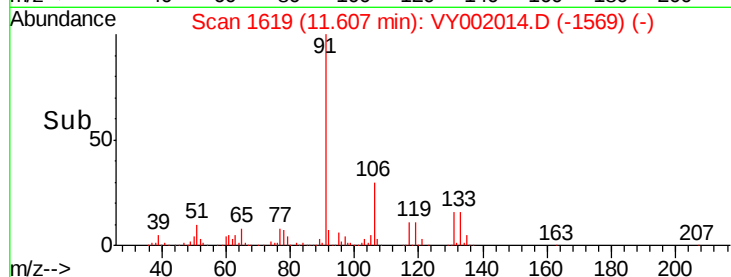
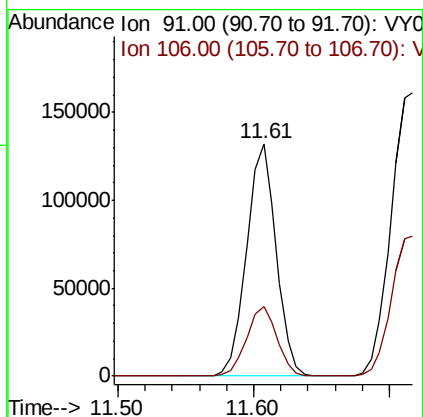
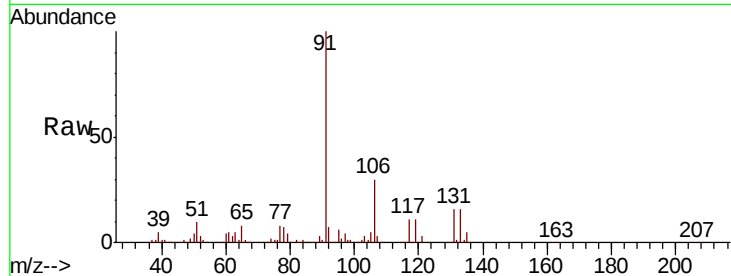




#67
Ethyl Benzene
Concen: 21.416 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

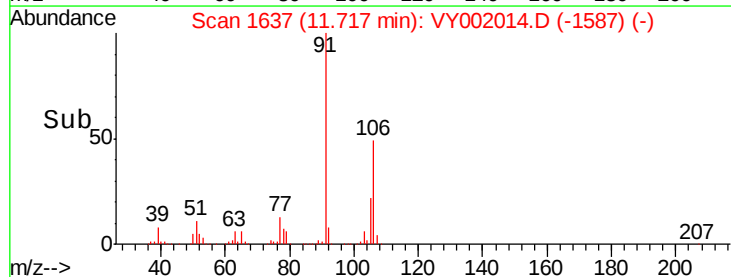
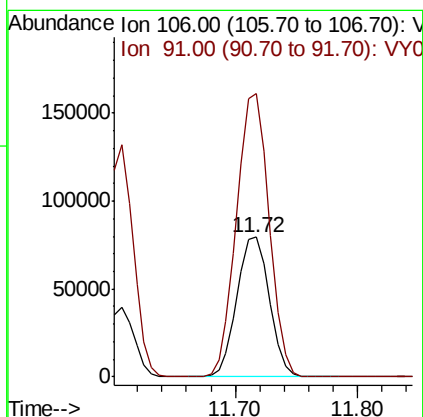
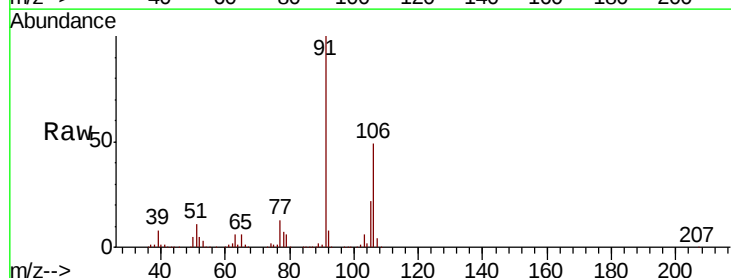
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

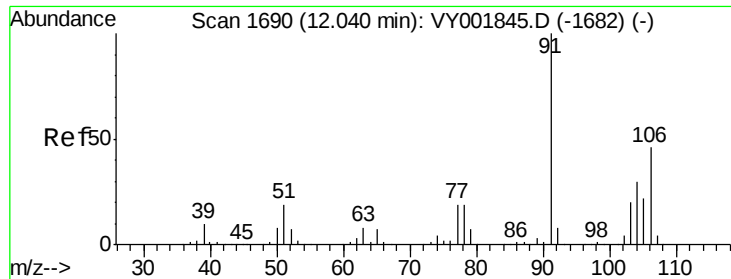
Tot Ion: 91 Resp: 200598
Ion Ratio Lower Upper
91 100
106 29.7 25.4 38.2



#68
m/p-Xylenes
Concen: 42.315 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 106 Resp: 146533
Ion Ratio Lower Upper
106 100
91 203.8 161.3 241.9

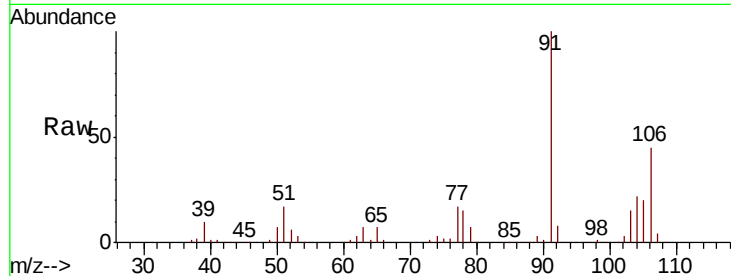




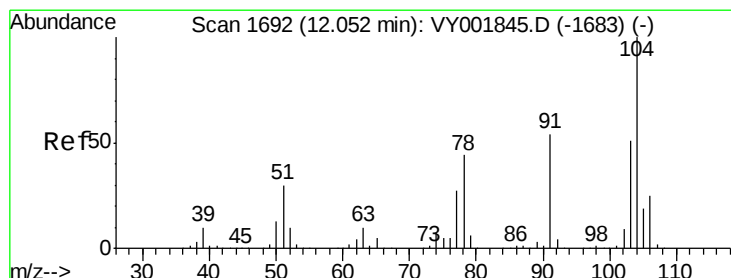
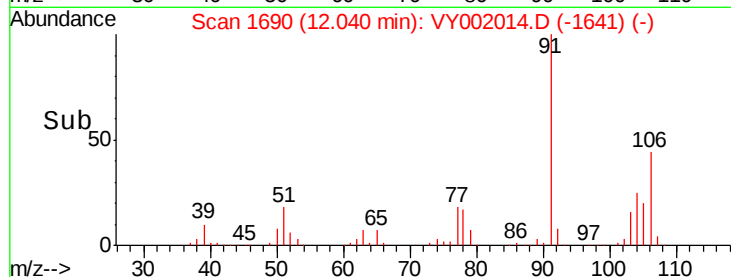
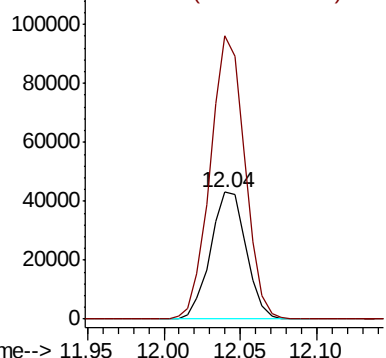
#69
o-Xylene
Concen: 21.405 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion:106 Resp: 69865
Ion Ratio Lower Upper
106 100
91 215.4 106.8 320.4

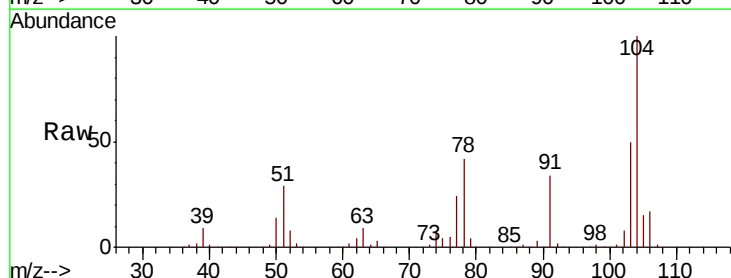


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

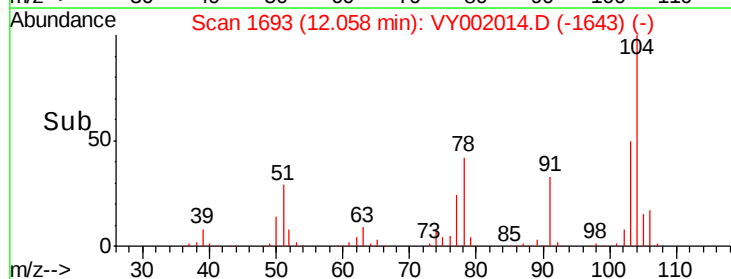
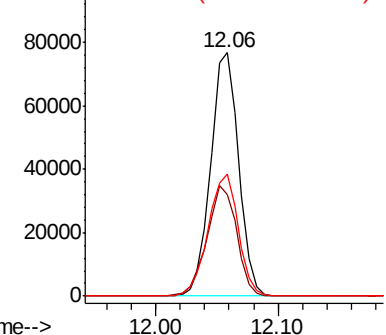


#70
Styrene
Concen: 21.748 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:104 Resp: 121576
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 53.6 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.963 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

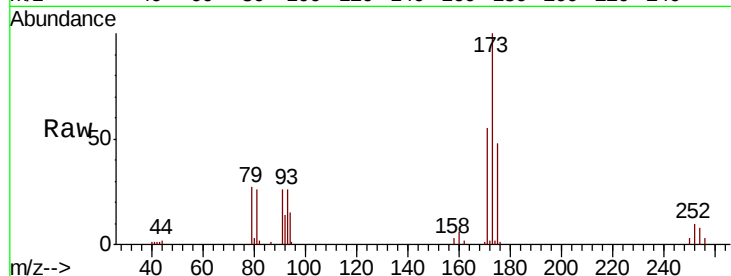
Tot Ion:173 Resp: 19617

Ion Ratio Lower Upper

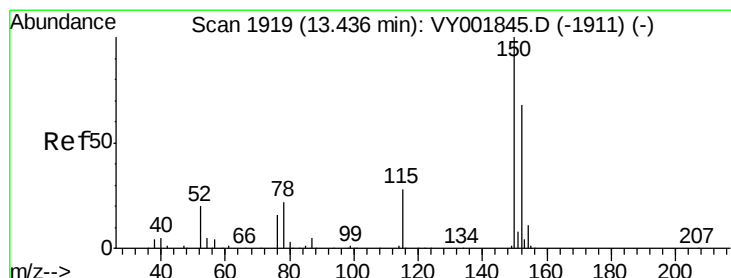
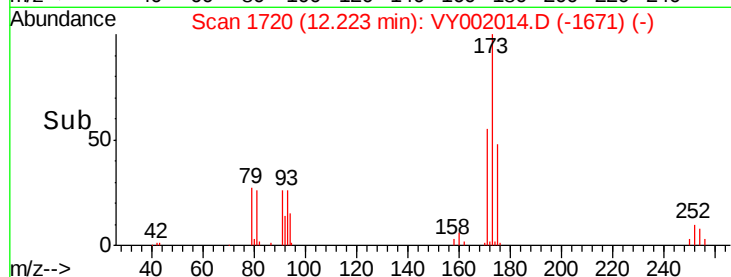
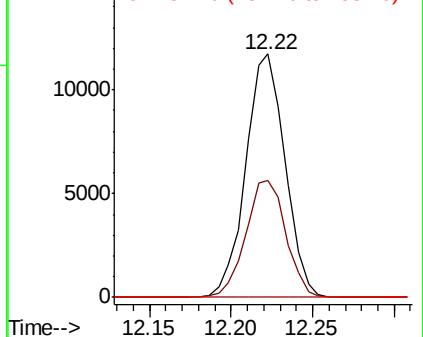
173 100

175 49.1 24.3 72.8

254 0.0 0.0 0.0



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. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

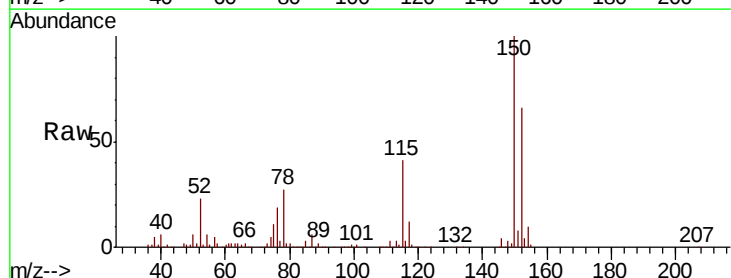
Tgt Ion:152 Resp: 119053

Ion Ratio Lower Upper

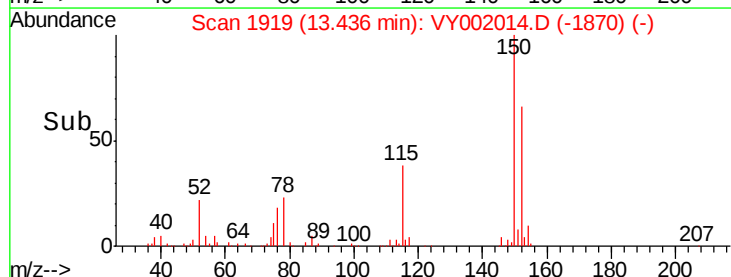
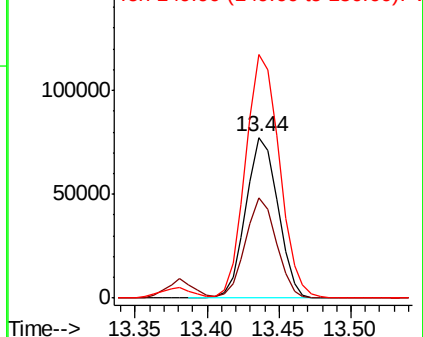
152 100

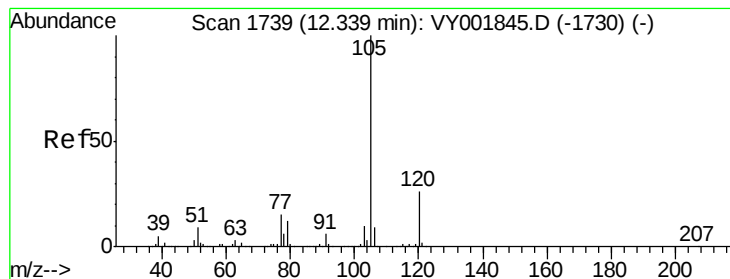
115 60.7 29.9 89.7

150 161.1 0.0 340.6



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: 20.720 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampled :

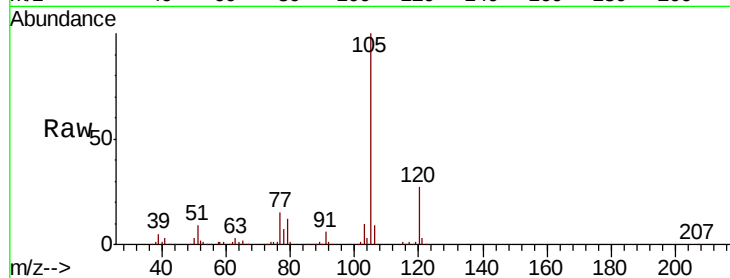
VY0319SBS01

Tot Ion:105 Resp: 188304

Ion Ratio Lower Upper

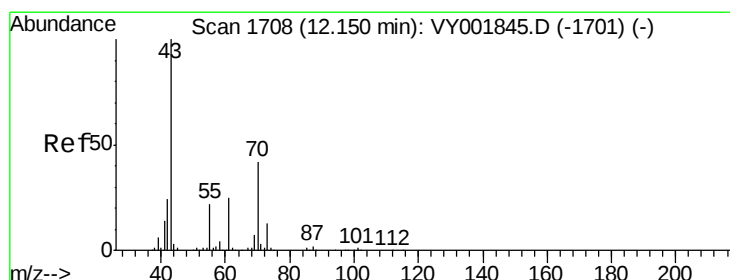
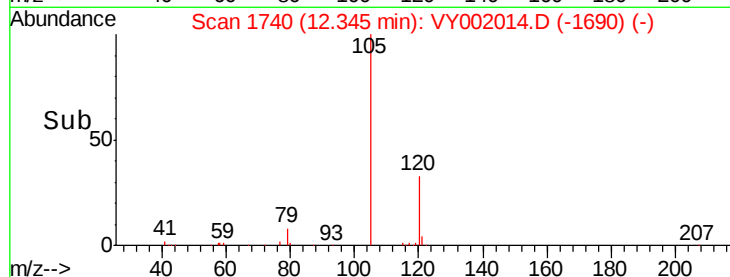
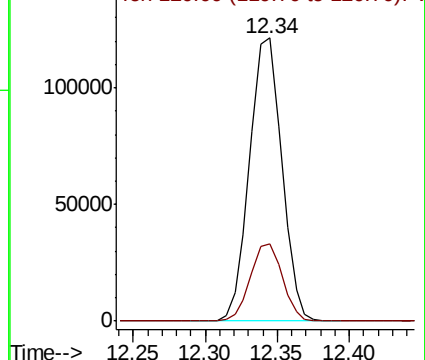
105 100

120 27.1 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.141 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Tgt Ion: 43 Resp: 59052

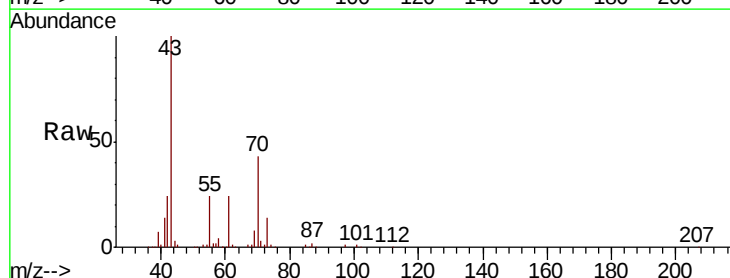
Ion Ratio Lower Upper

43 100

70 42.9 34.7 52.1

55 23.4 18.2 27.4

61 24.7 20.1 30.1

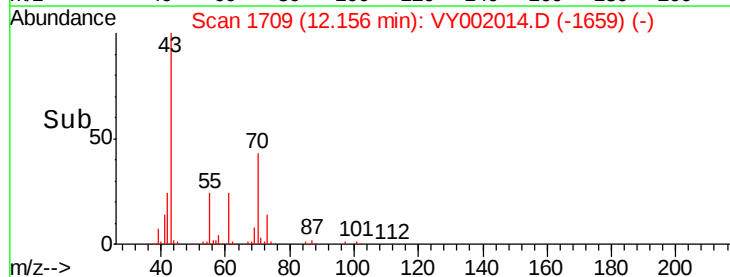
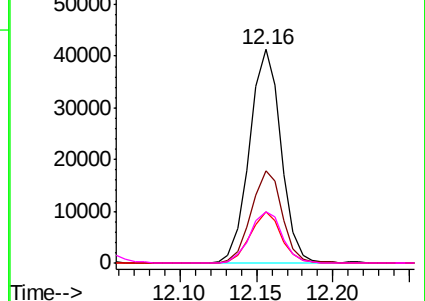


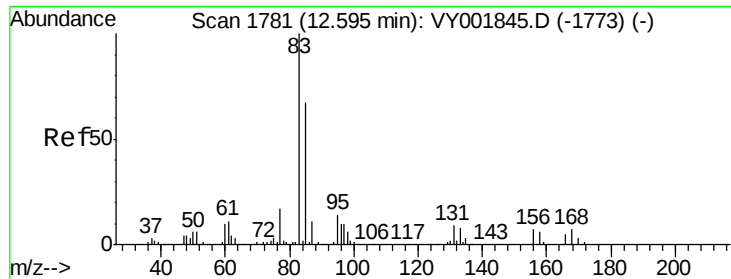
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.144 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

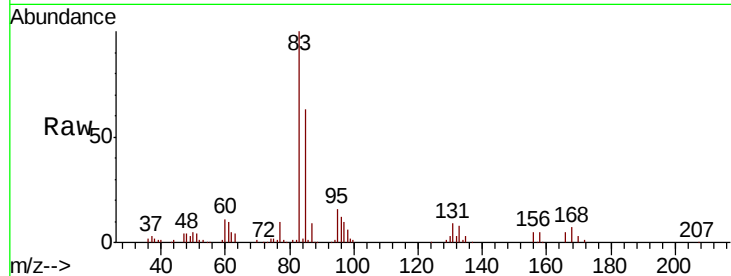
Tot Ion: 83 Resp: 41439

Ion Ratio Lower Upper

83 100

131 9.6 4.6 13.8

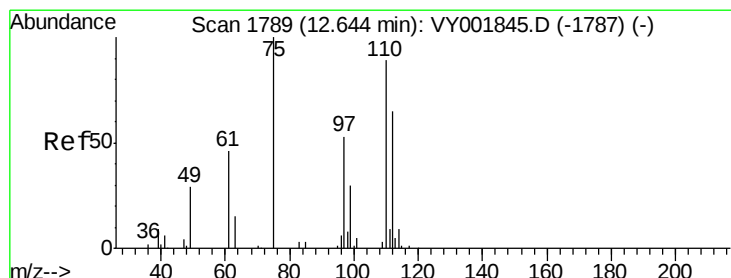
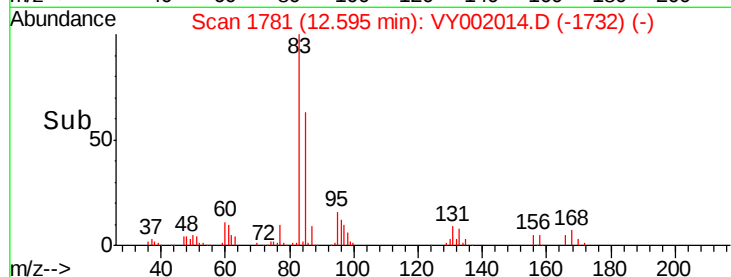
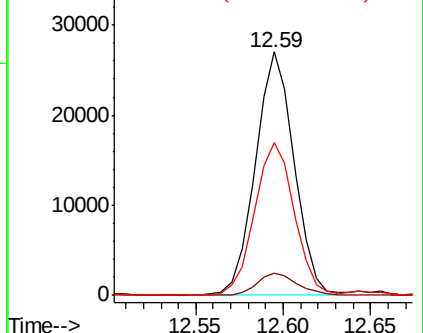
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 37.722 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VY002014.D

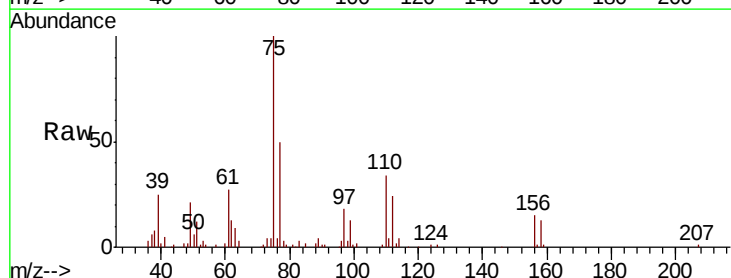
Acq: 19 Mar 2020 12:31

Tgt Ion: 75 Resp: 53288

Ion Ratio Lower Upper

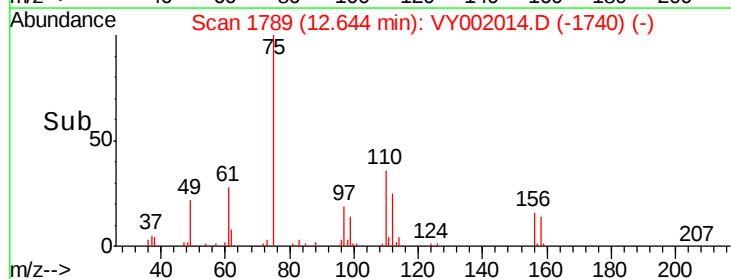
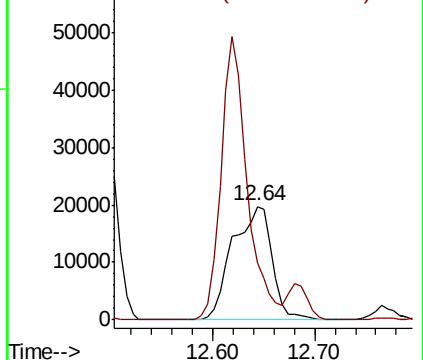
75 100

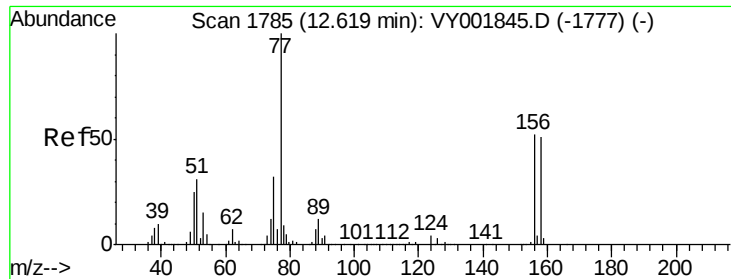
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 21.384 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

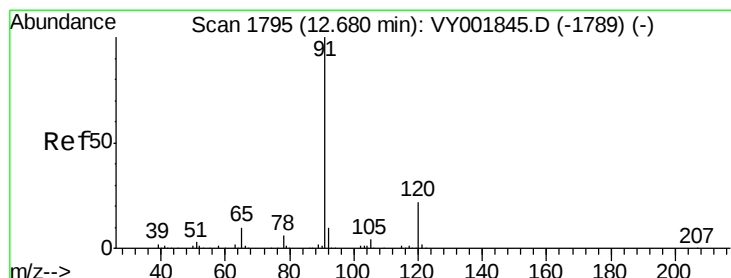
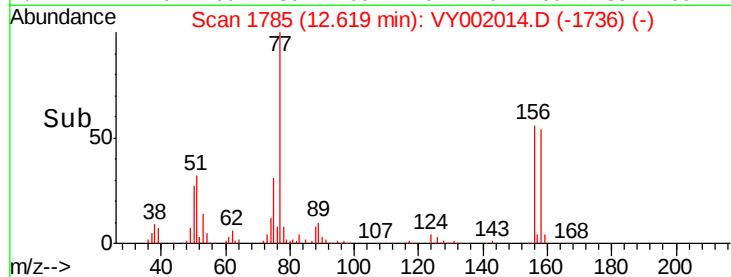
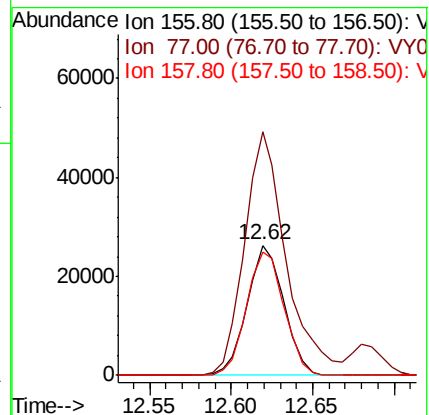
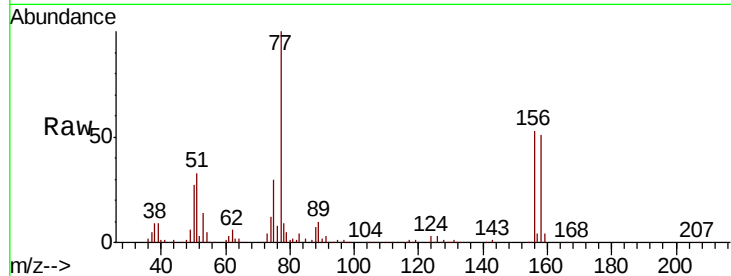
Tot Ion:156 Resp: 41175

Ion Ratio Lower Upper

156 100

77 213.1 109.0 327.0

158 97.7 48.9 146.8



#78

n-propylbenzene

Concen: 21.117 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002014.D

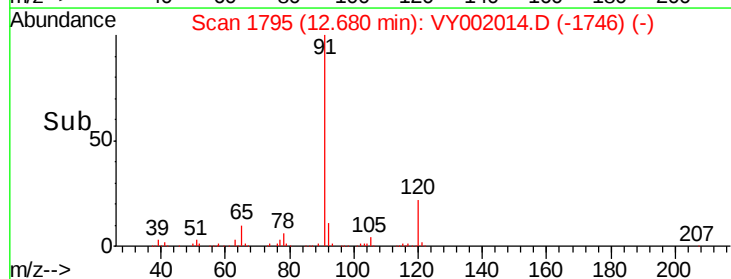
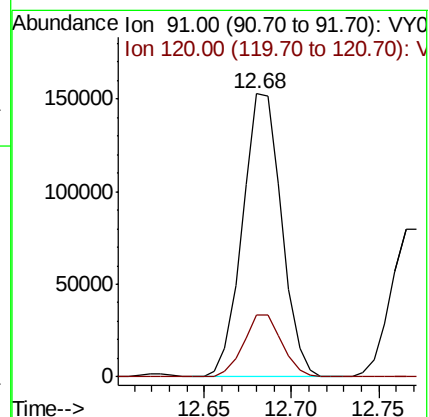
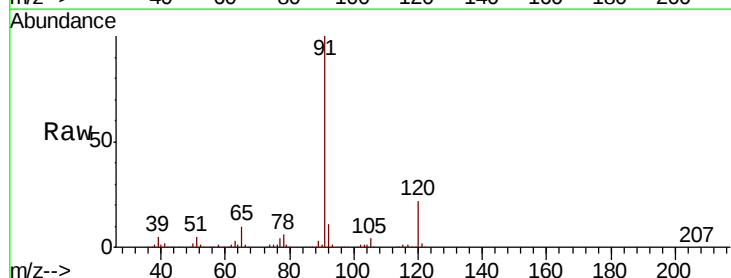
Acq: 19 Mar 2020 12:31

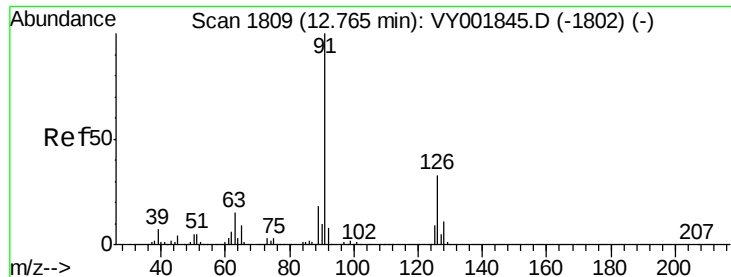
Tgt Ion: 91 Resp: 236764

Ion Ratio Lower Upper

91 100

120 21.7 11.0 33.0

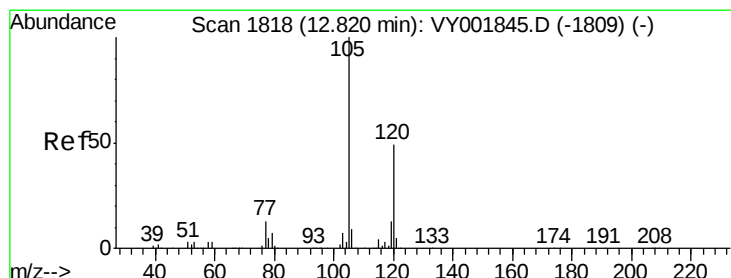
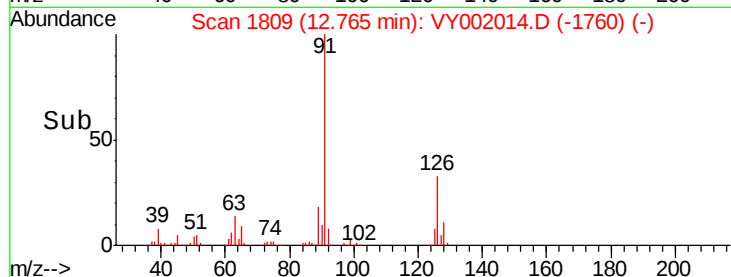
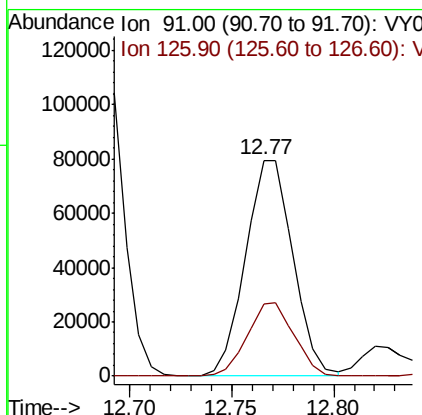
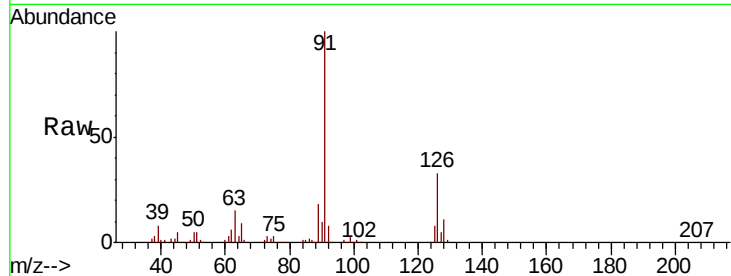




#79
2-Chlorotoluene
Concen: 20.787 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

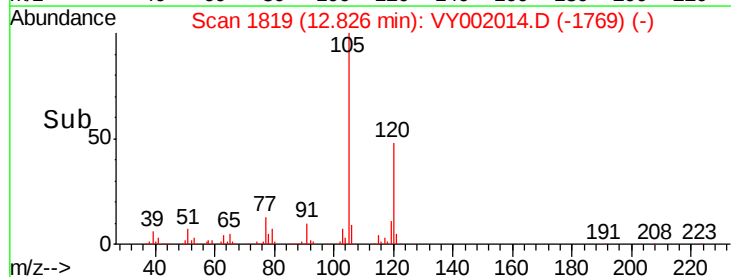
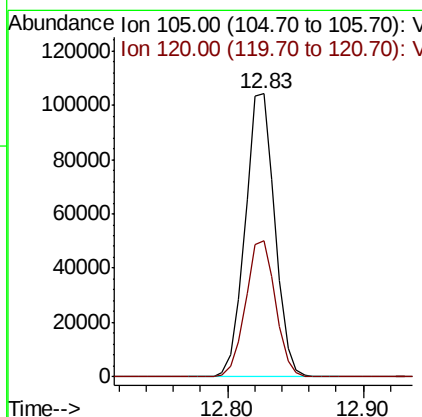
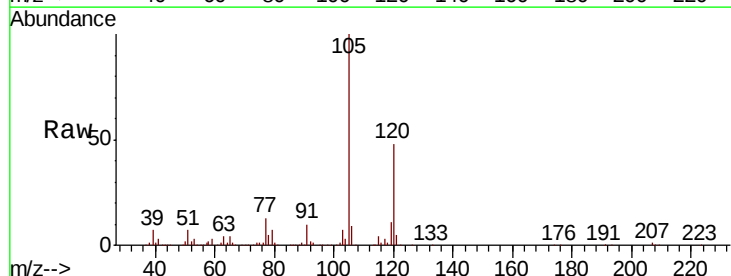
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

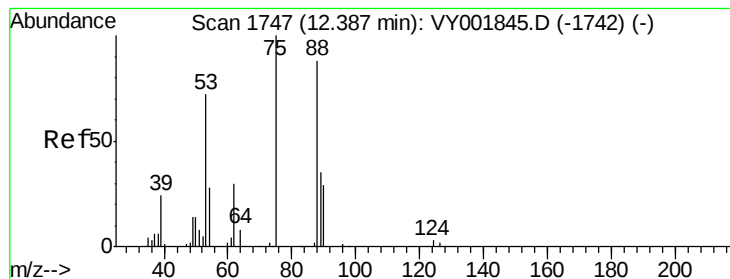
Tot Ion: 91 Resp: 128764
Ion Ratio Lower Upper
91 100
126 33.6 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 21.214 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 105 Resp: 158718
Ion Ratio Lower Upper
105 100
120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.815 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

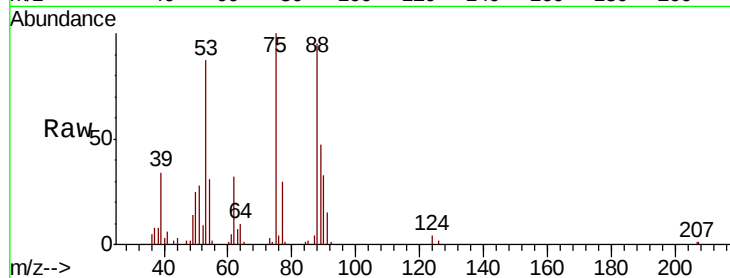
Tot Ion: 75 Resp: 14557

Ion Ratio Lower Upper

75 100

53 84.0 65.4 98.0

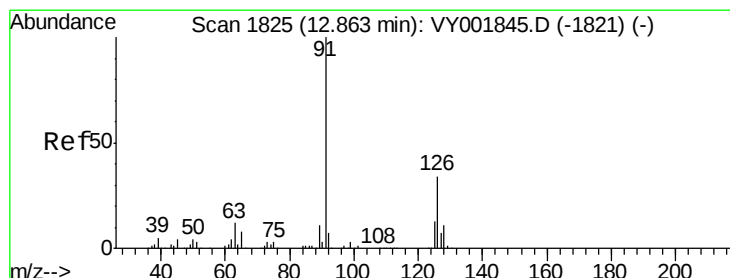
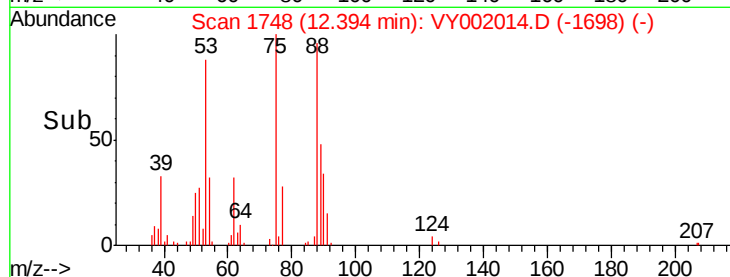
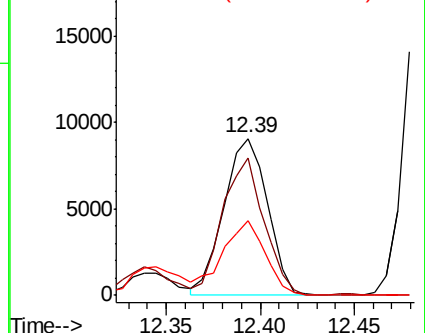
89 47.0 36.0 54.0



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: 21.138 ug/l

RT: 12.87 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VY002014.D

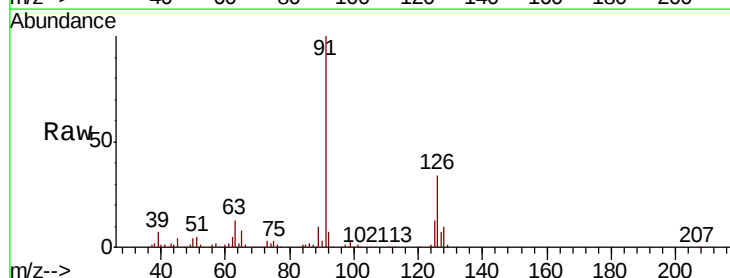
Acq: 19 Mar 2020 12:31

Tgt Ion: 91 Resp: 136336

Ion Ratio Lower Upper

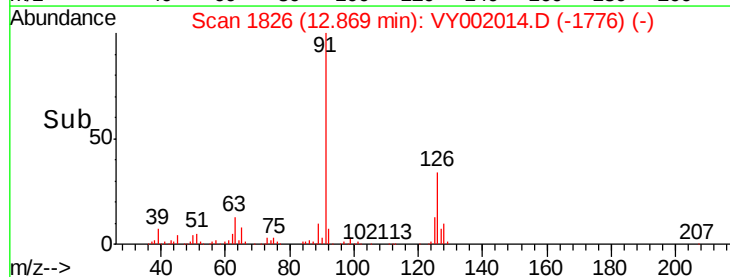
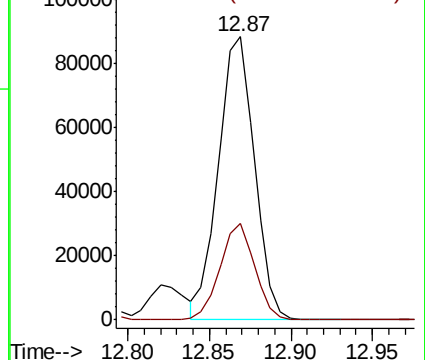
91 100

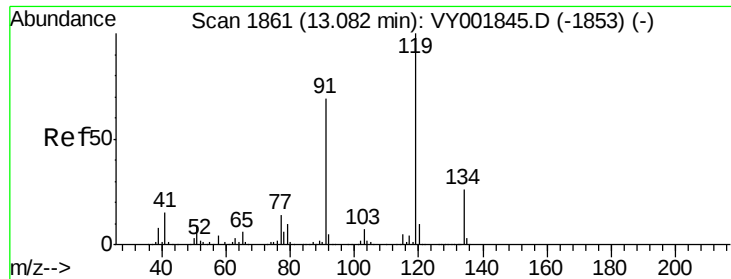
126 32.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

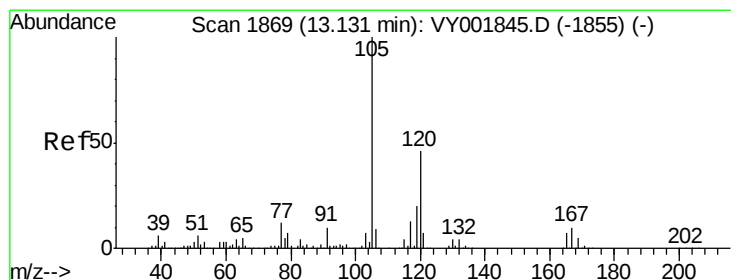
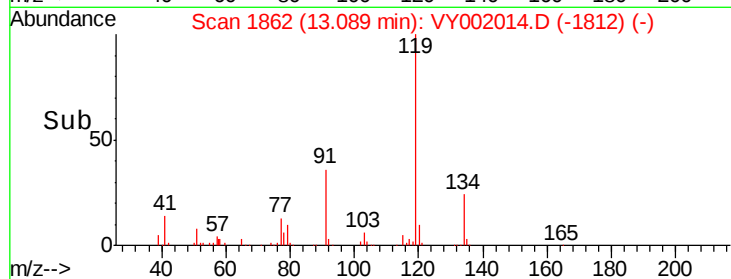
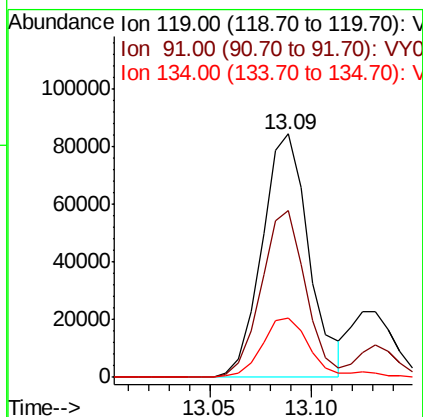
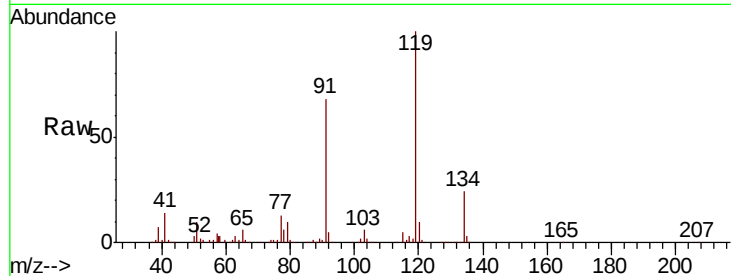




#83
tert-Butylbenzene
Concen: 21.749 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

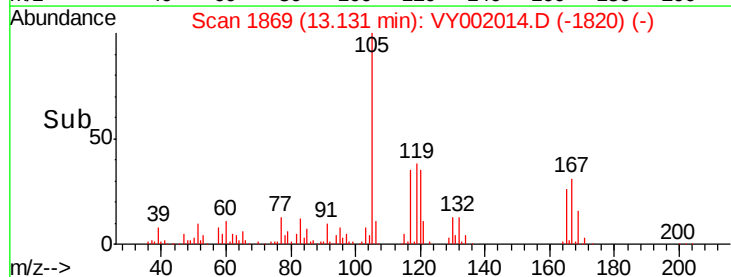
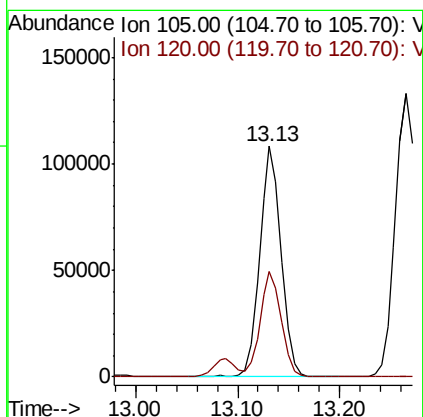
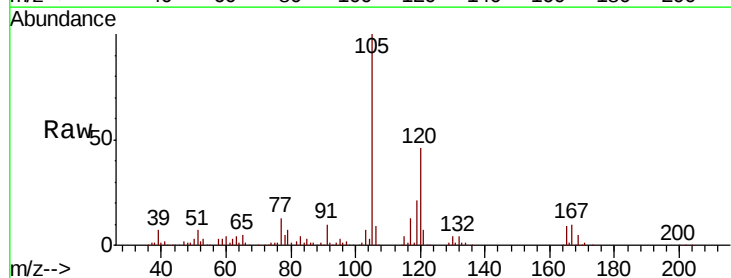
Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

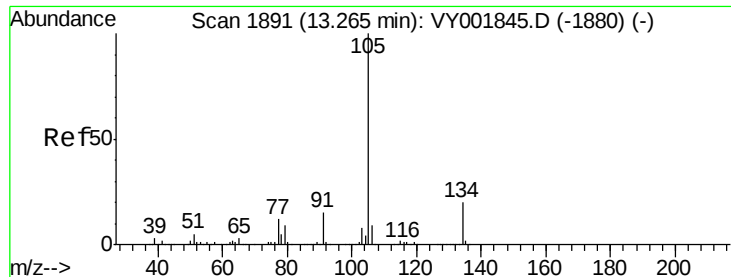
Tot Ion:119 Resp: 135152
Ion Ratio Lower Upper
119 100
91 64.6 34.0 101.8
134 25.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.362 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:105 Resp: 158616
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.441 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

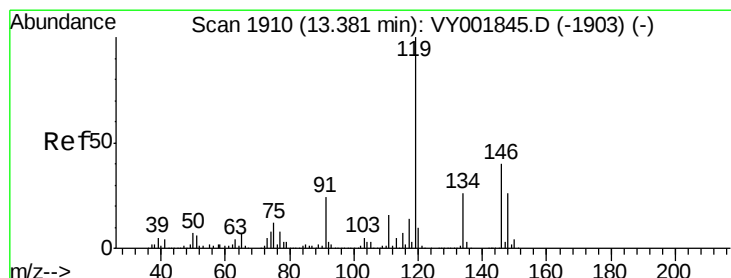
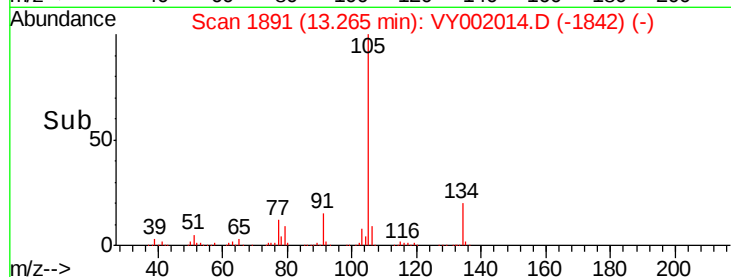
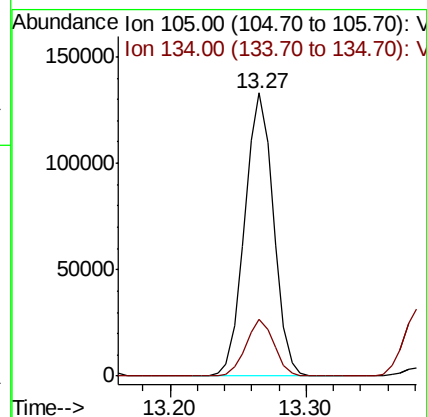
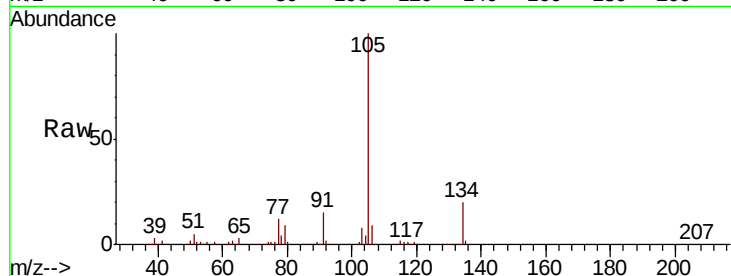
VY0319SBS01

Tot Ion:105 Resp: 196395

Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.750 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

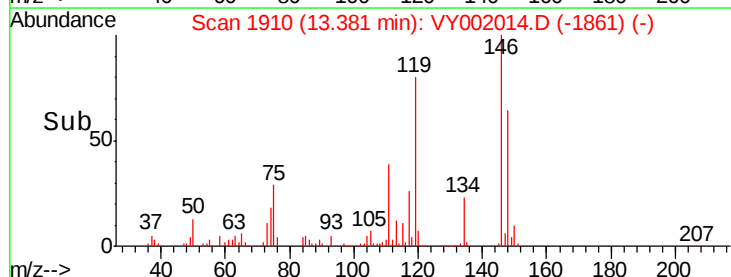
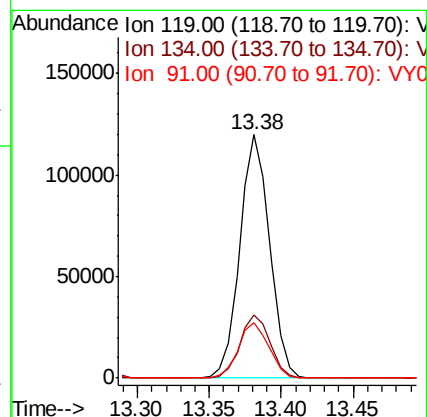
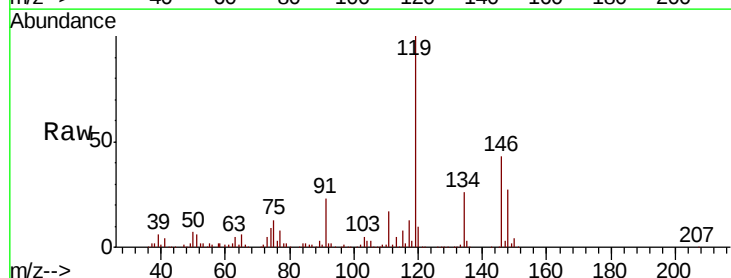
Tgt Ion:119 Resp: 171859

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.4 11.9 35.7

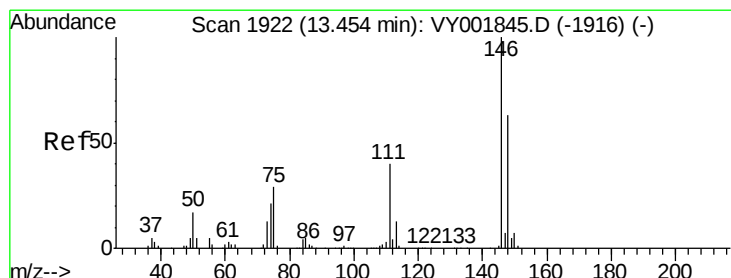
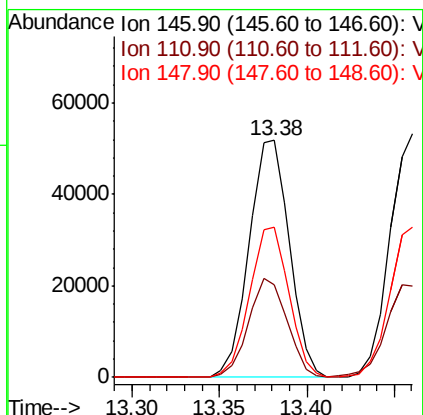
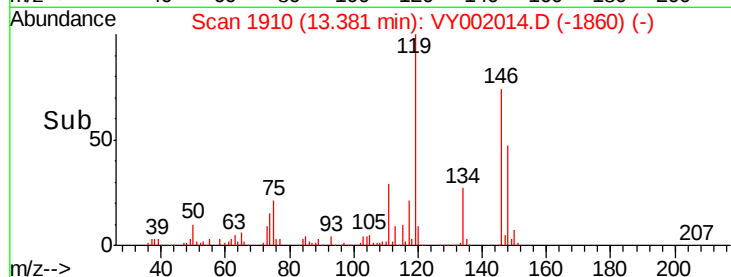
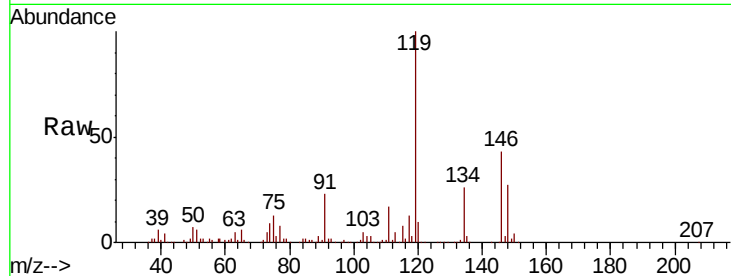




#87
 1,3-Dichlorobenzene
 Concen: 21.971 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

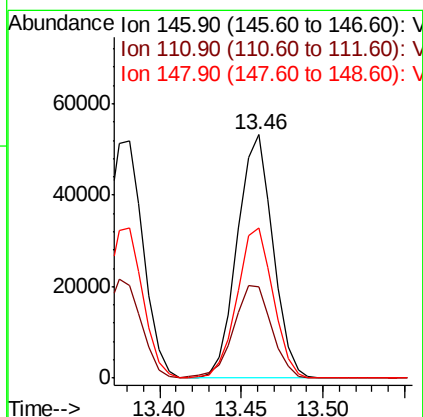
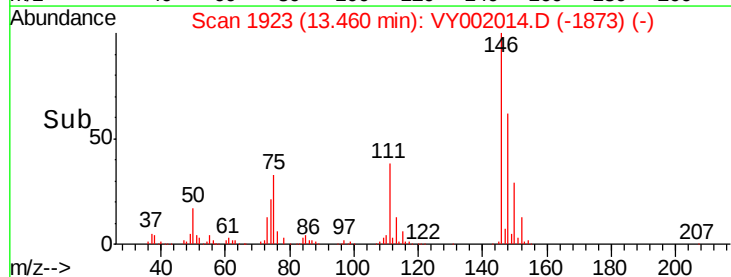
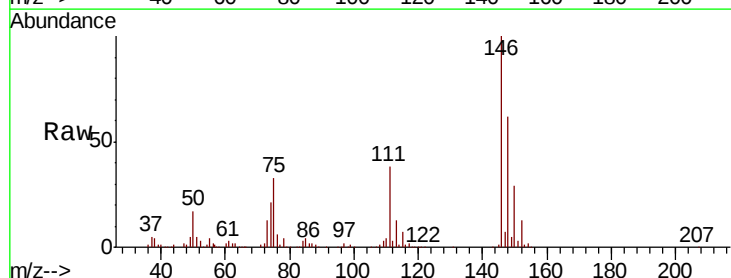
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

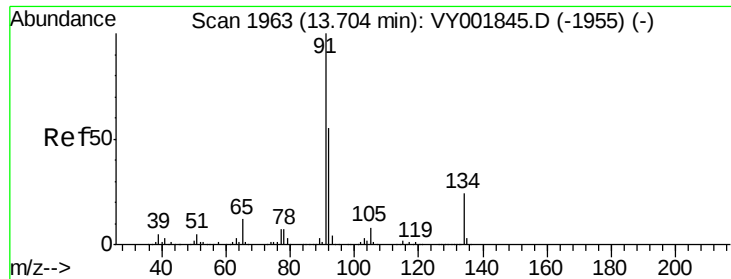
Tot Ion:146 Resp: 82903
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.8 62.5
 148 62.0 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 21.190 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion:146 Resp: 81112
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 62.5 31.5 94.5

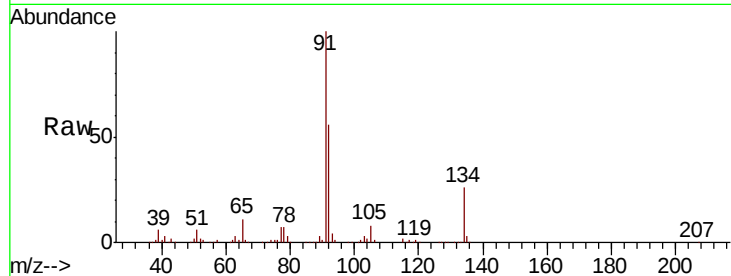




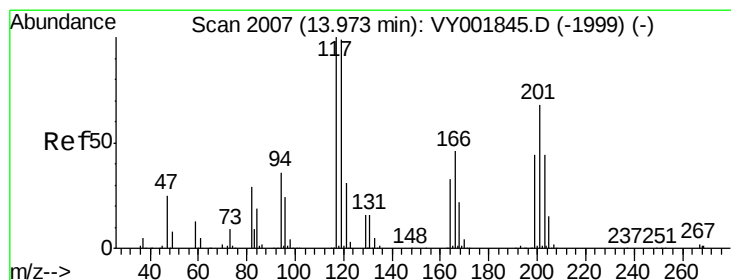
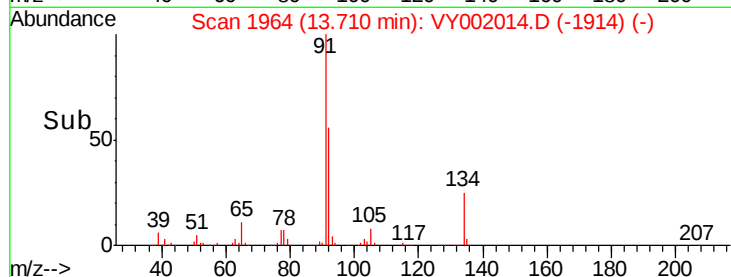
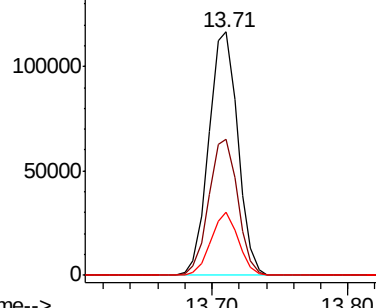
#89
n-Butylbenzene
Concen: 21.159 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion: 91 Resp: 173450
Ion Ratio Lower Upper
91 100
92 55.5 27.5 82.4
134 24.6 12.5 37.5

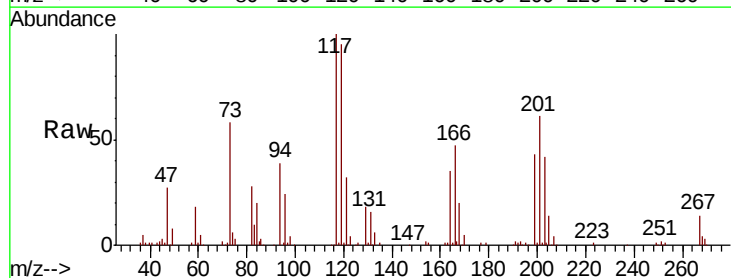


Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 92.00 (91.70 to 92.70): VY0
Ion 134.00 (133.70 to 134.70): V

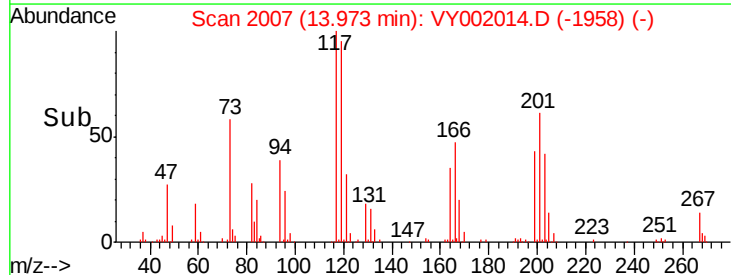
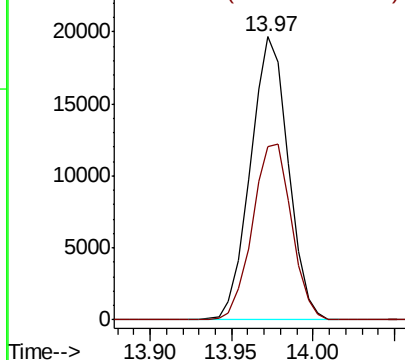


#90
Hexachloroethane
Concen: 21.259 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion: 117 Resp: 31689
Ion Ratio Lower Upper
117 100
201 63.9 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

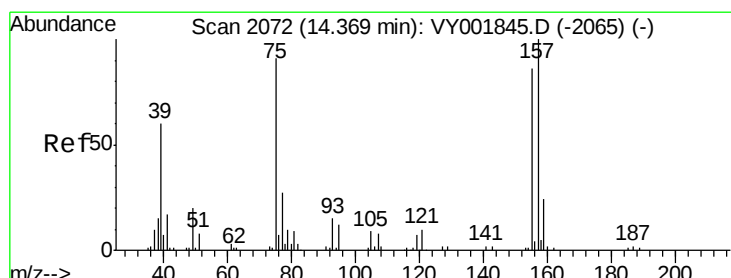
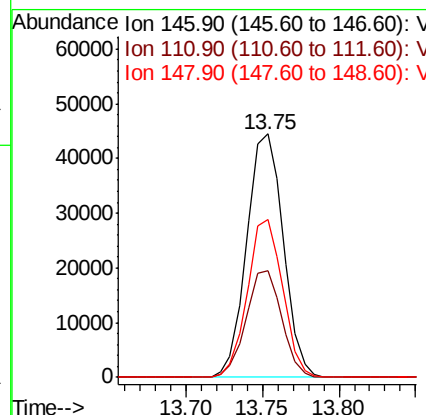
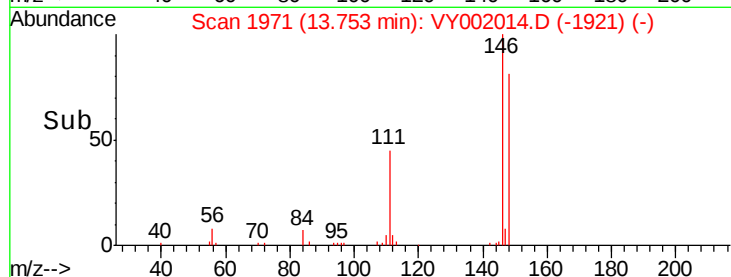
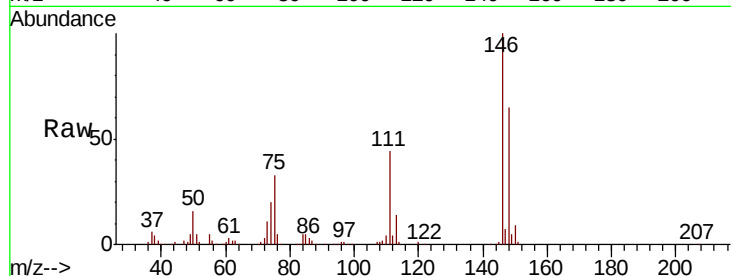




#91
 1,2-Dichlorobenzene
 Concen: 21.534 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

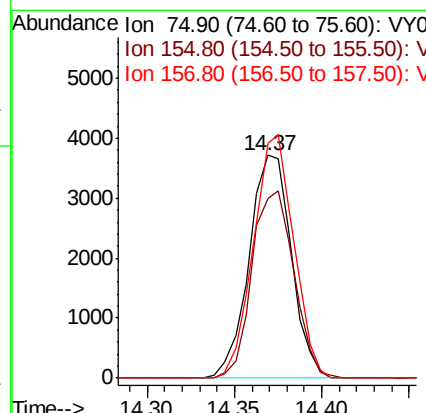
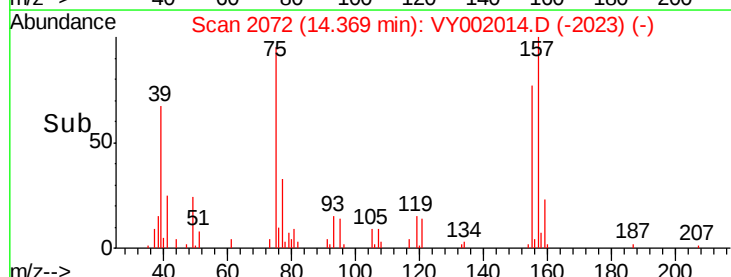
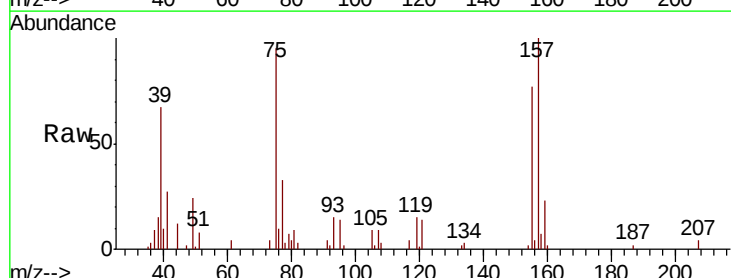
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0319SBS01

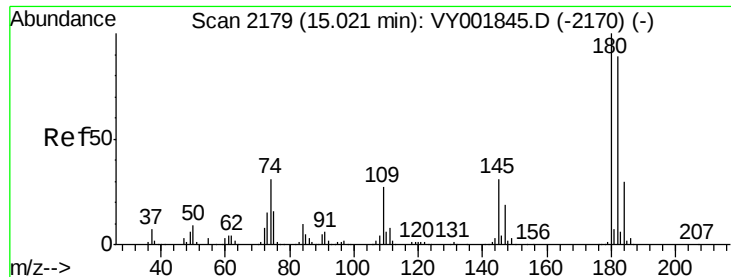
Tot Ion:146 Resp: 73818
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.5 64.5
 148 62.5 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.417 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002014.D
 Acq: 19 Mar 2020 12:31

Tgt Ion: 75 Resp: 6244
 Ion Ratio Lower Upper
 75 100
 155 83.2 42.9 128.7
 157 103.7 53.1 159.4

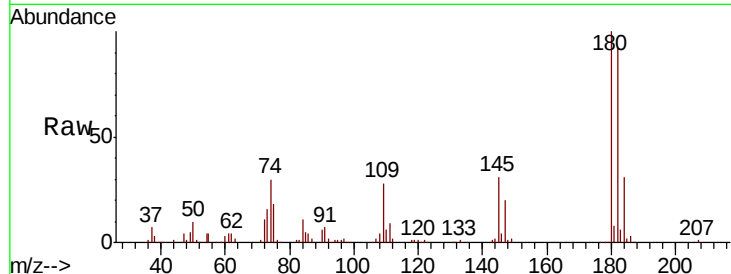




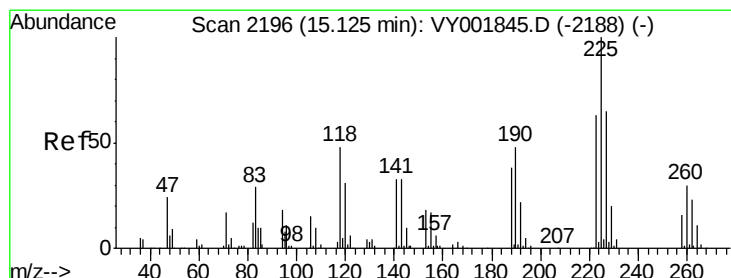
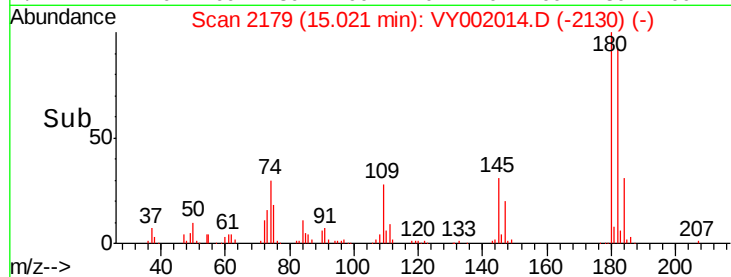
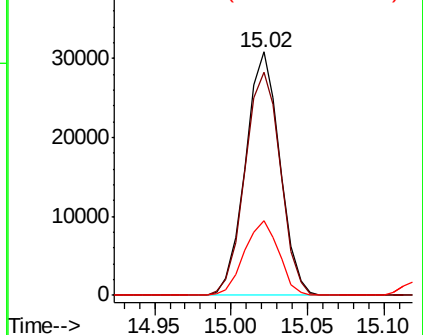
#93
1,2,4-Trichlorobenzene
Concen: 21.627 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0319SBS01

Tot Ion:180 Resp: 48077
Ion Ratio Lower Upper
180 100
182 95.0 46.1 138.3
145 31.0 15.6 46.8

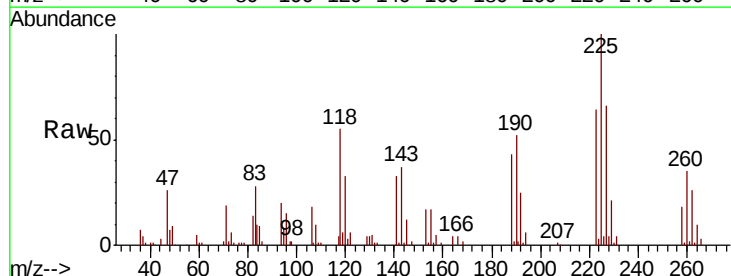


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

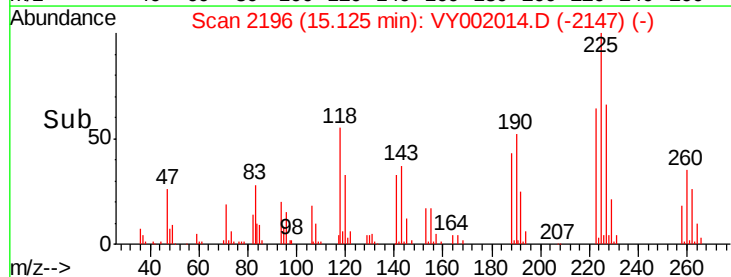
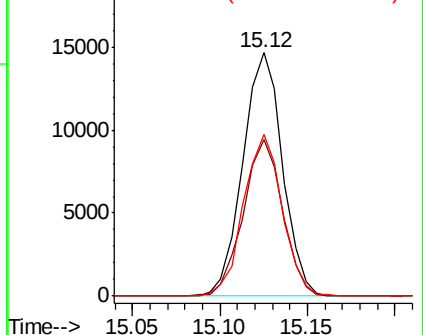


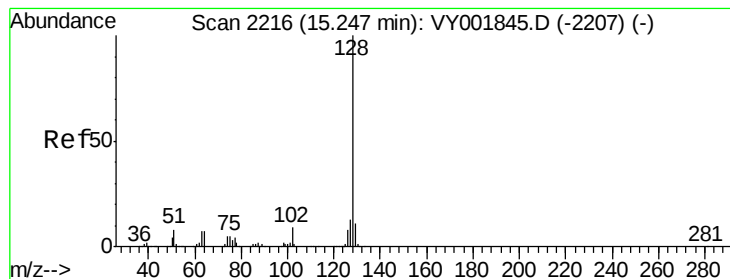
#94
Hexachlorobutadiene
Concen: 21.298 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VY002014.D
Acq: 19 Mar 2020 12:31

Tgt Ion:225 Resp: 23083
Ion Ratio Lower Upper
225 100
223 63.8 31.5 94.5
227 65.0 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.057 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0319SBS01

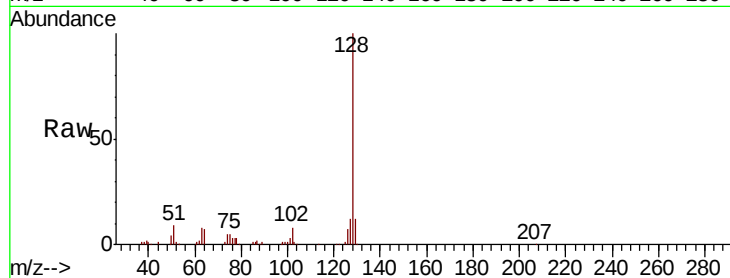
Tot Ion:128 Resp: 111031

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

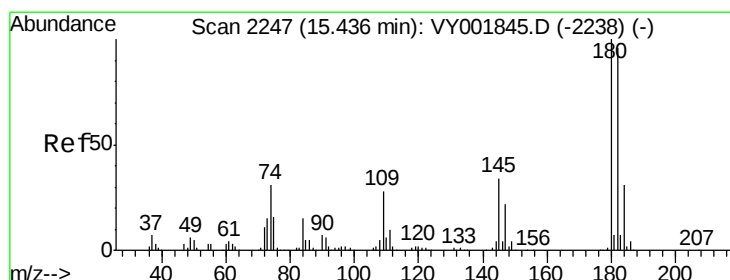
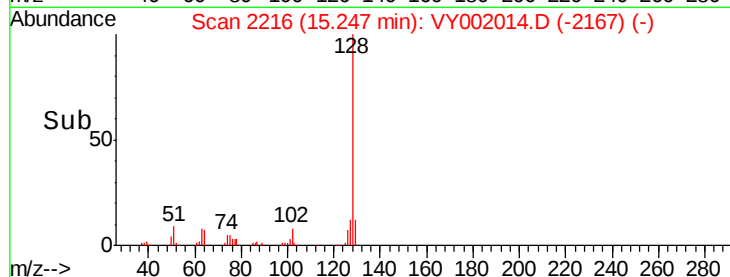
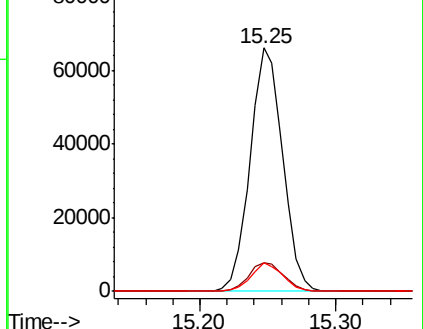
129 11.1 8.6 13.0



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: 21.800 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VY002014.D

Acq: 19 Mar 2020 12:31

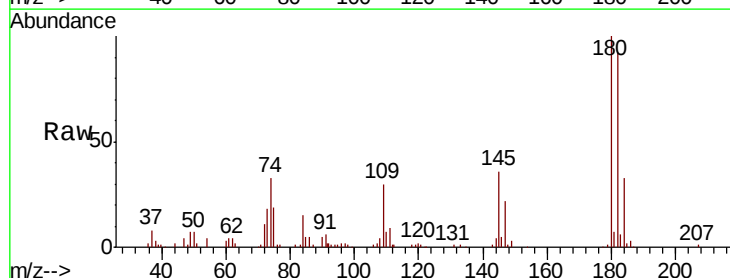
Tgt Ion:180 Resp: 42692

Ion Ratio Lower Upper

180 100

182 92.5 47.6 142.9

145 34.0 16.8 50.3



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

