

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001828.D
 Acq On : 03 Mar 2020 12:47
 Operator : SY/MD
 Sample : VY0303SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Quant Time: Mar 04 03:39:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	177627	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	319570	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	286953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	138128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	94560	49.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.73	113	86365	47.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	10.19	98	353572	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.49	95	128400	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	30317	17.509	ug/l	95
3) Chloromethane	2.12	50	40386	17.341	ug/l	99
4) Vinyl Chloride	2.26	62	41399	17.624	ug/l	98
5) Bromomethane	2.65	94	27427	18.682	ug/l	97
6) Chloroethane	2.80	64	27589	19.060	ug/l	99
7) Trichlorofluoromethane	3.13	101	62519	20.796	ug/l	99
8) Diethyl Ether	3.53	74	24269	20.477	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	38637	20.447	ug/l	99
10) Methyl Iodide	4.10	142	41796	18.073	ug/l	99
11) Tert butyl alcohol	4.96	59	27602	110.578	ug/l	97
12) 1,1-Dichloroethene	3.88	96	37322	19.365	ug/l	96
13) Acrolein	3.74	56	15862	82.202	ug/l	99
14) Allyl chloride	4.49	41	69532	20.272	ug/l	98
15) Acrylonitrile	5.18	53	66304	109.144	ug/l	99
16) Acetone	3.96	43	61285	92.701	ug/l	99
17) Carbon Disulfide	4.20	76	113077	17.574	ug/l	99
18) Methyl Acetate	4.49	43	34694	24.098	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	112042	20.880	ug/l	96
20) Methylene Chloride	4.73	84	63976	27.244	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	43483	19.775	ug/l	96
22) Diisopropyl ether	6.13	45	147307	20.913	ug/l	95
23) Vinyl Acetate	6.07	43	463046	100.778	ug/l	98
24) 1,1-Dichloroethane	6.03	63	77485	20.581	ug/l	98
25) 2-Butanone	7.00	43	91922	102.354	ug/l	97
26) 2,2-Dichloropropane	6.99	77	64202	19.601	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	48628	20.035	ug/l	99
28) Bromochloromethane	7.35	49	31464	20.063	ug/l	97
29) Tetrahydrofuran	7.36	42	58344	107.484	ug/l	98
30) Chloroform	7.52	83	72613	19.739	ug/l	98
31) Cyclohexane	7.80	56	77762	19.372	ug/l	89
32) 1,1,1-Trichloroethane	7.72	97	61099	19.762	ug/l	98
36) 1,1-Dichloropropene	7.93	75	60886	19.946	ug/l	99
37) Ethyl Acetate	7.09	43	37748	20.719	ug/l	99
38) Carbon Tetrachloride	7.91	117	52447	19.561	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78460	19.374	ug/l	99
40) Benzene	8.17	78	181834	20.254	ug/l	97
41) Methacrylonitrile	7.35	41	51942	56.780	ug/l #	31
42) 1,2-Dichloroethane	8.25	62	49086	20.070	ug/l	100
43) Isopropyl Acetate	8.28	43	72853	21.075	ug/l	99
44) Trichloroethene	8.94	130	43857	19.569	ug/l	95
45) 1,2-Dichloropropane	9.22	63	46978	20.894	ug/l	98
46) Dibromomethane	9.32	93	24184	20.565	ug/l	99
47) Bromodichloromethane	9.50	83	56085	19.761	ug/l	99
48) Methyl methacrylate	9.30	41	31578	20.199	ug/l	98
49) 1,4-Dioxane	9.31	88	6477	389.960	ug/l	90
51) 4-Methyl-2-Pentanone	10.08	43	189209	106.533	ug/l	99
52) Toluene	10.25	92	111202	19.858	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	61801	19.697	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	73095	20.241	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	35704	20.590	ug/l	98
56) Ethyl methacrylate	10.52	69	54514	20.956	ug/l	99
57) 1,3-Dichloropropane	10.80	76	63700	20.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	146119	141.026	ug/l	100
59) 2-Hexanone	10.84	43	136691	102.574	ug/l	99
60) Dibromochloromethane	10.99	129	37858	19.803	ug/l	99
61) 1,2-Dibromoethane	11.10	107	33701	20.555	ug/l	98
64) Tetrachloroethene	10.72	164	36755	20.404	ug/l	98
65) Chlorobenzene	11.52	112	116039	20.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	39338	20.355	ug/l	99
67) Ethyl Benzene	11.60	91	213350	20.067	ug/l	97
68) m/p-Xylenes	11.70	106	160787	40.486	ug/l	98
69) o-Xylene	12.03	106	76299	20.209	ug/l	95
70) Styrene	12.05	104	132778	20.235	ug/l	99
71) Bromoform	12.22	173	21914	19.842	ug/l #	96
73) Isopropylbenzene	12.33	105	204885	19.470	ug/l	100
74) N-amyl acetate	12.15	43	67644	20.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	46108	20.521	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	59492	37.546	ug/l #	100
77) Bromobenzene	12.61	156	44238	19.393	ug/l	99
78) n-propylbenzene	12.67	91	254868	19.887	ug/l	100
79) 2-Chlorotoluene	12.76	91	141442	19.678	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	172729	19.830	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16548	19.813	ug/l	95
82) 4-Chlorotoluene	12.86	91	149393	19.706	ug/l	98
83) tert-Butylbenzene	13.08	119	146898	20.164	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	173620	19.993	ug/l	99
85) sec-Butylbenzene	13.26	105	212253	19.809	ug/l	99
86) p-Isopropyltoluene	13.38	119	184044	19.772	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	88244	19.946	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	89391	19.989	ug/l	99
89) n-Butylbenzene	13.70	91	191950	20.181	ug/l	100
90) Hexachloroethane	13.97	117	33595	19.156	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	80883	19.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7418	20.005	ug/l	99

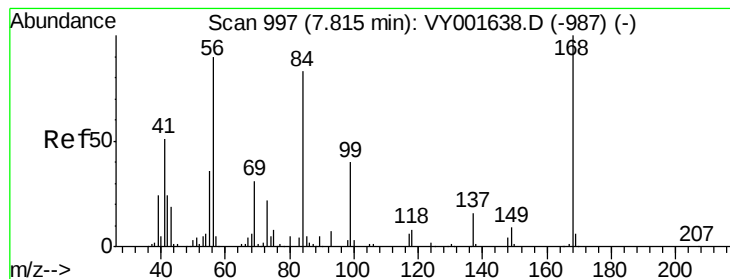
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
Data File : VY001828.D
Acq On : 03 Mar 2020 12:47
Operator : SY/MD
Sample : VY0303SBSD01
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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	53568	19.799	ug/l	99
94) Hexachlorobutadiene	15.12	225	26619	19.783	ug/l	98
95) Naphthalene	15.25	128	128688	20.629	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	48240	20.267	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

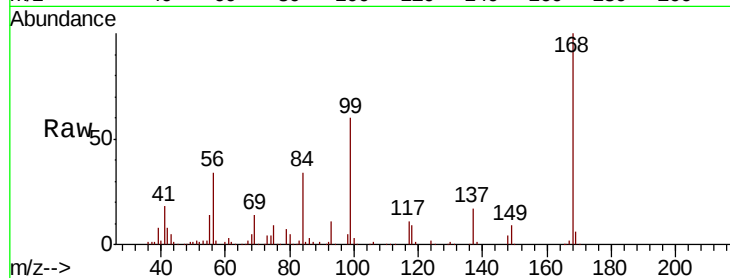
VY0303SBS01

Tot Ion:168 Resp: 177627

Ion Ratio Lower Upper

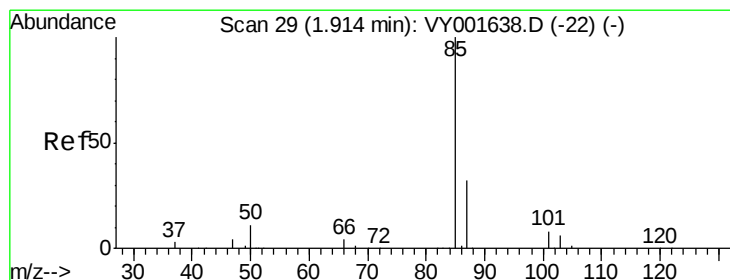
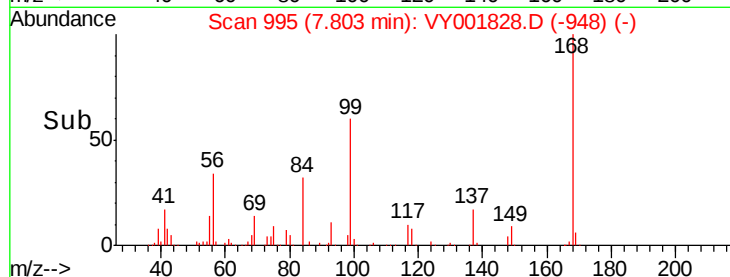
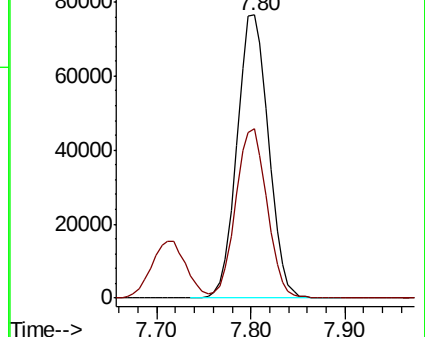
168 100

99 60.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 17.509 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001828.D

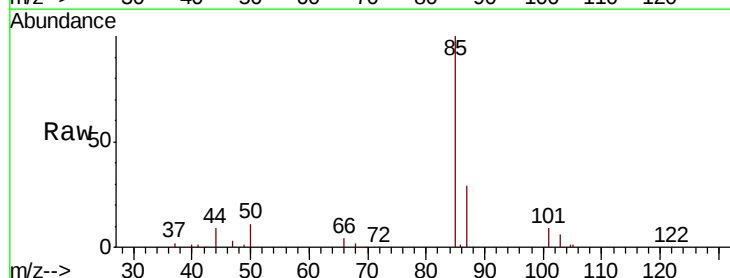
Acq: 03 Mar 2020 12:47

Tgt Ion: 85 Resp: 30317

Ion Ratio Lower Upper

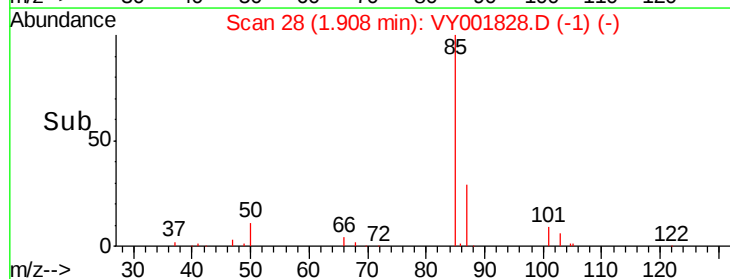
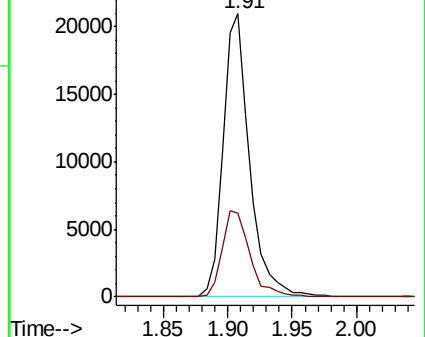
85 100

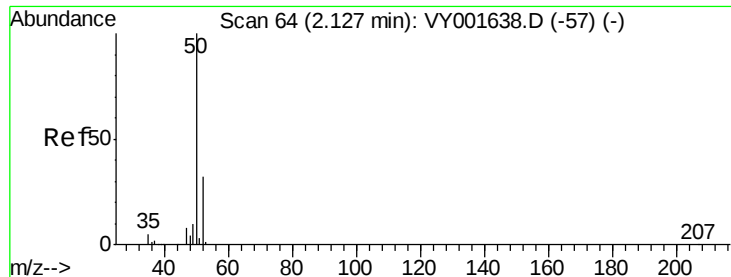
87 29.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)





#3

Chloromethane

Concen: 17.341 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

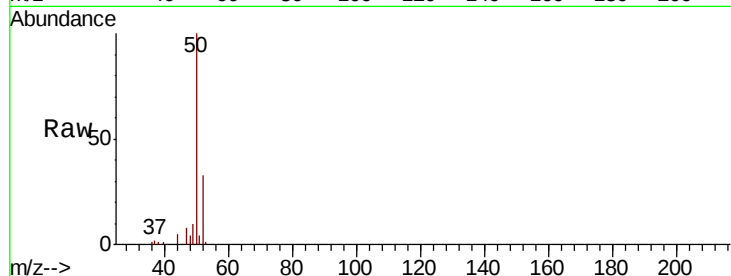
VY0303SBS01

Tot Ion: 50 Resp: 40386

Ion Ratio Lower Upper

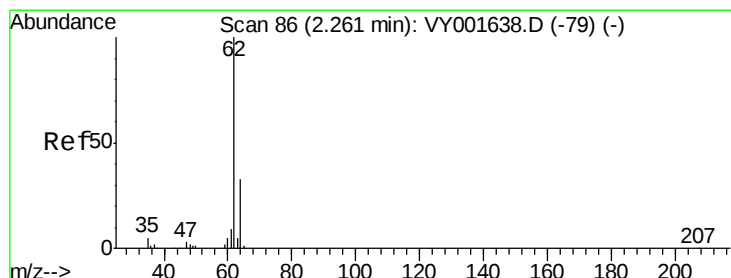
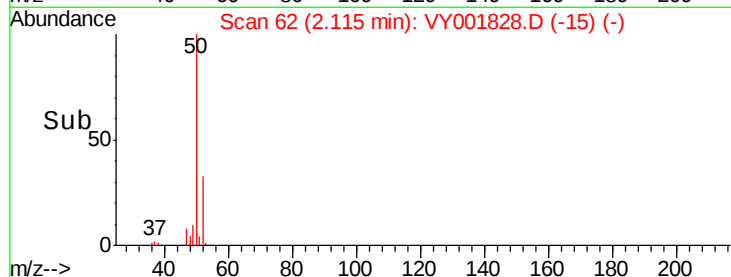
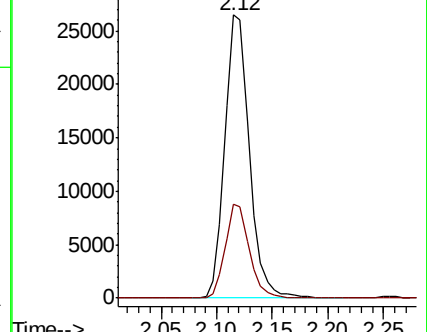
50 100

52 33.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 17.624 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001828.D

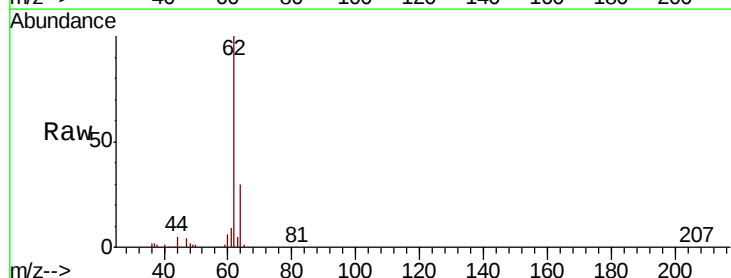
Acq: 03 Mar 2020 12:47

Tgt Ion: 62 Resp: 41399

Ion Ratio Lower Upper

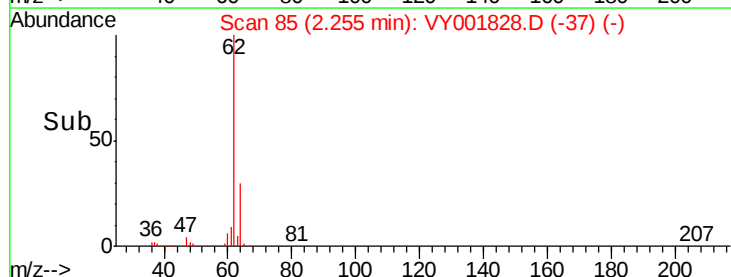
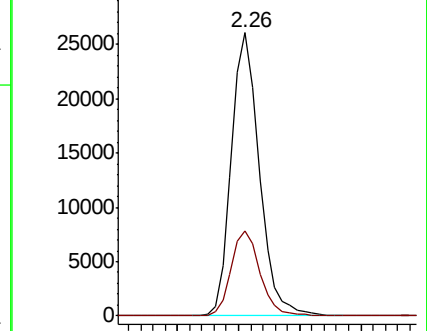
62 100

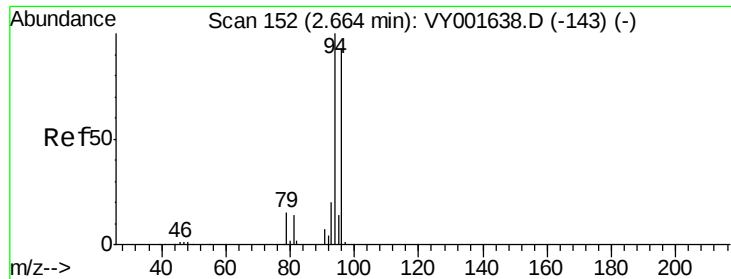
64 29.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.682 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

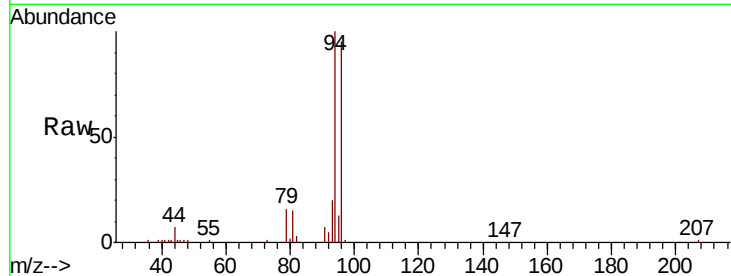
VY0303SBS01

Tot Ion: 94 Resp: 27427

Ion Ratio Lower Upper

94 100

96 94.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

15000

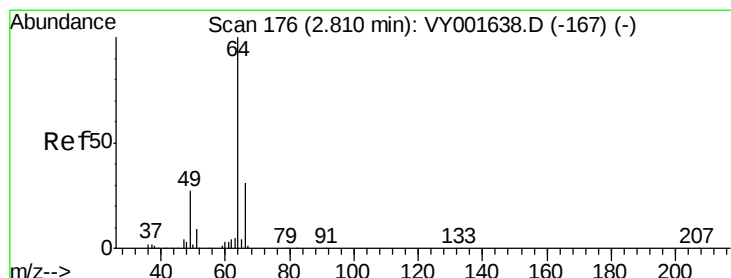
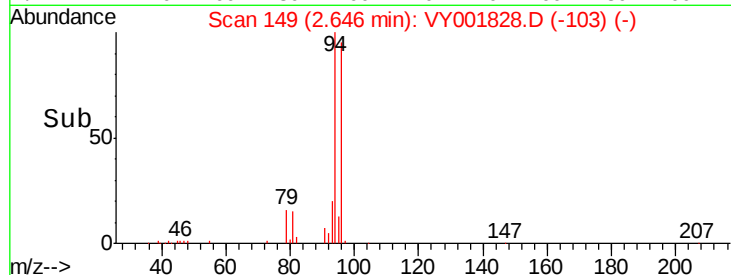
10000

5000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 19.060 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001828.D

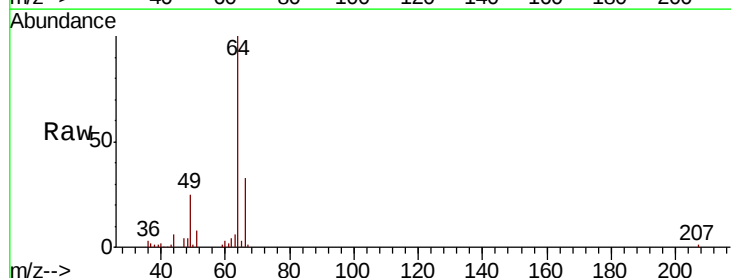
Acq: 03 Mar 2020 12:47

Tgt Ion: 64 Resp: 27589

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

15000

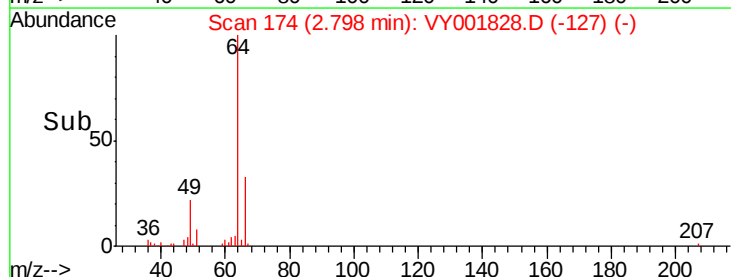
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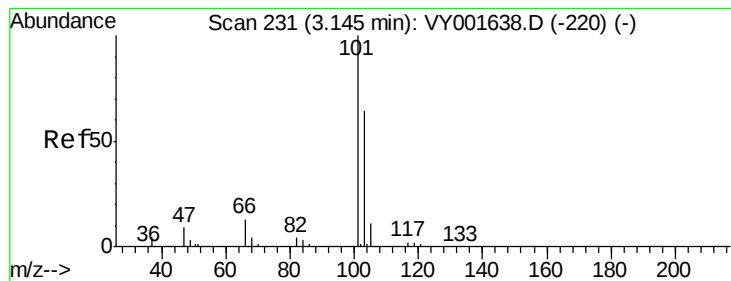
5000

0

Time-->

2.70 2.80 2.90



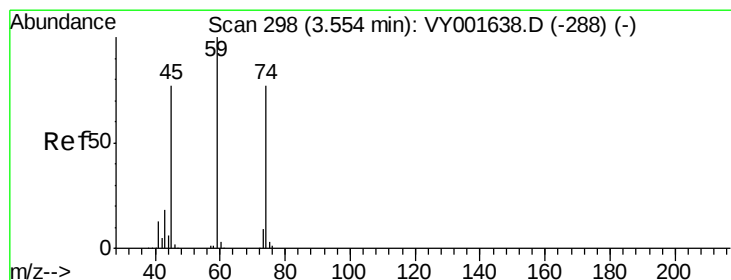
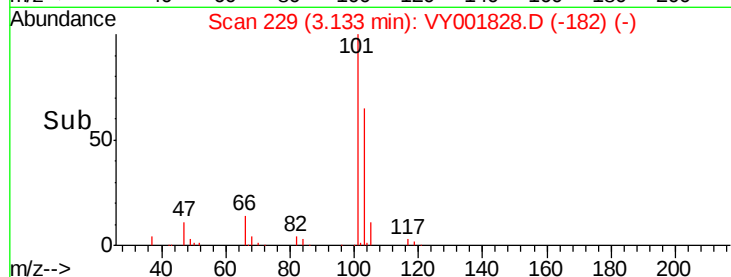
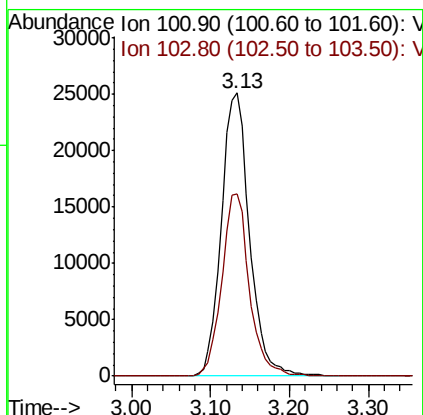
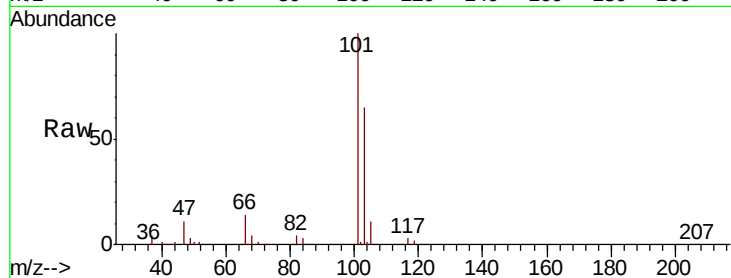


#7

Trichlorofluoromethane
 Concen: 20.796 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

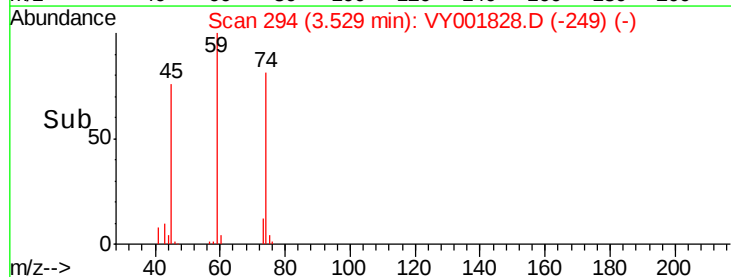
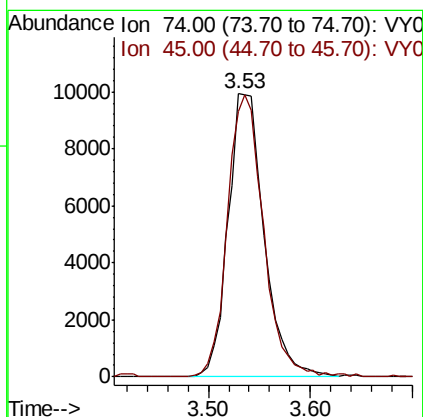
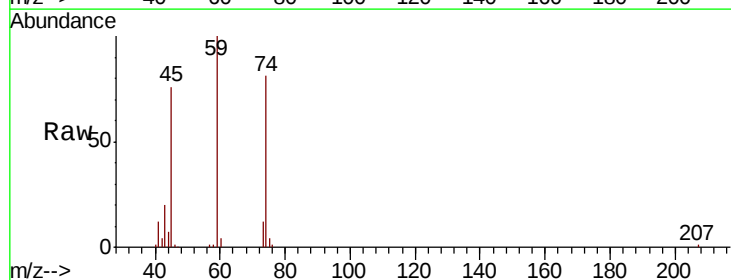
Tot Ion:101 Resp: 62519
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.2

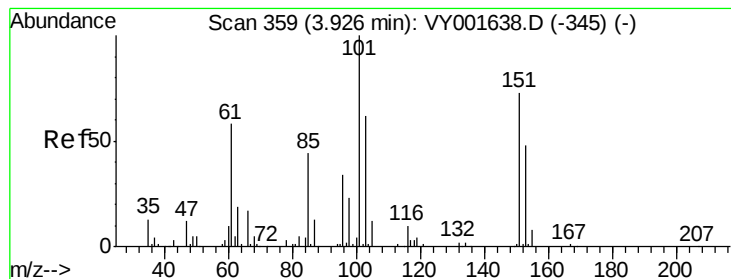


#8

Diethyl Ether
 Concen: 20.477 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.02 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion: 74 Resp: 24269
 Ion Ratio Lower Upper
 74 100
 45 99.8 49.6 148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.447 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

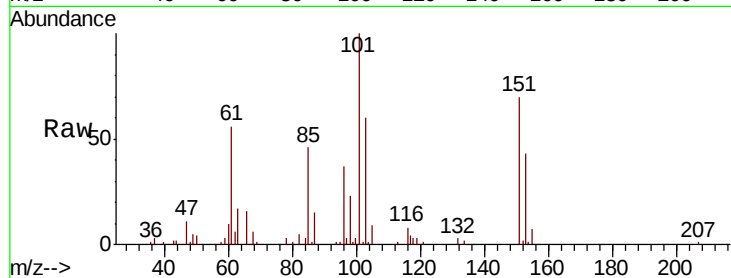
Tot Ion:101 Resp: 38637

Ion Ratio Lower Upper

101 100

85 44.5 35.1 52.7

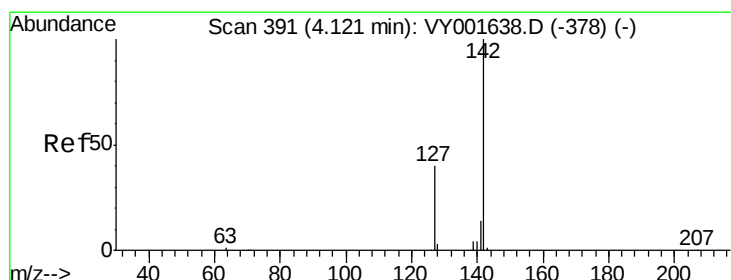
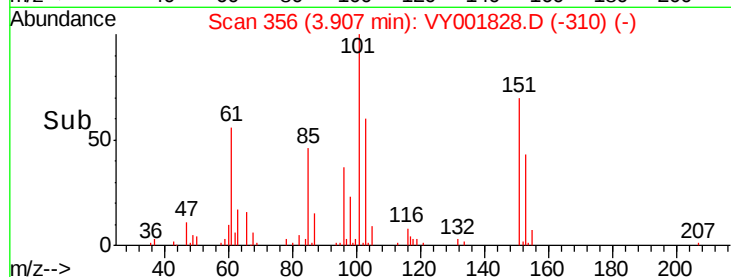
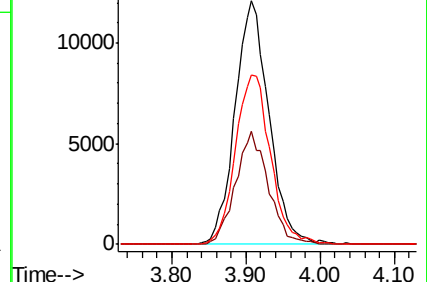
151 71.8 58.4 87.6



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: 18.073 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

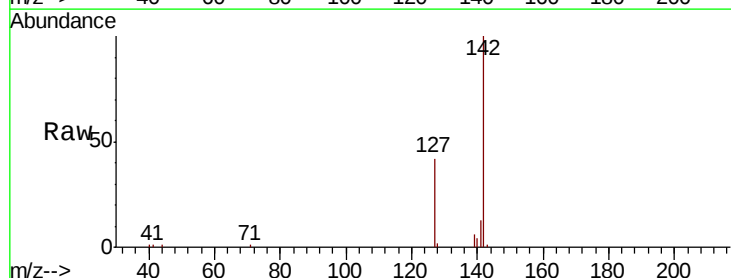
Tgt Ion:142 Resp: 41796

Ion Ratio Lower Upper

142 100

127 40.6 32.1 48.1

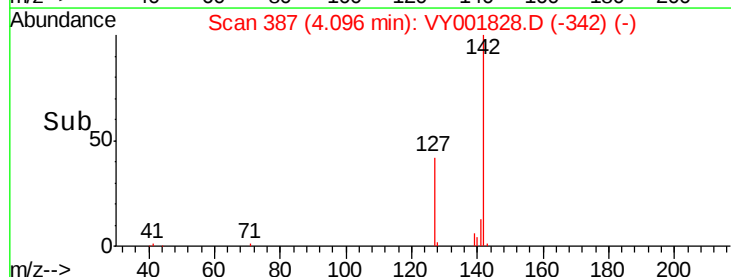
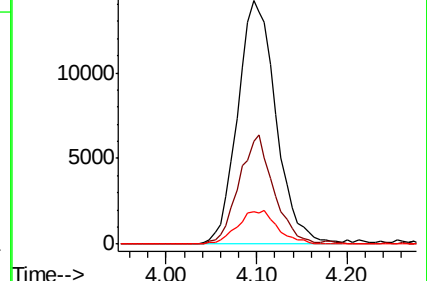
141 14.0 11.3 16.9

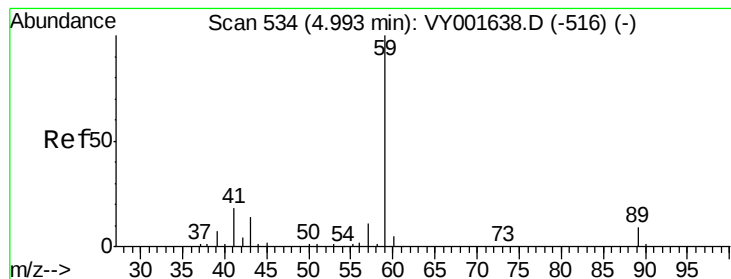


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



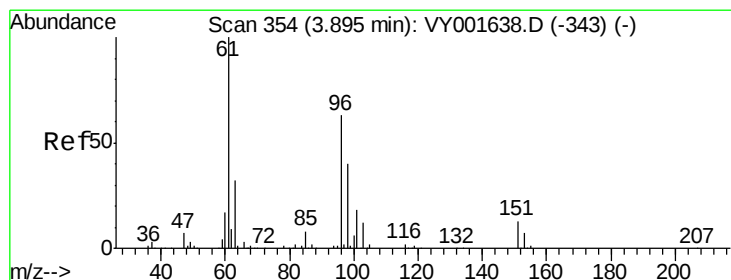
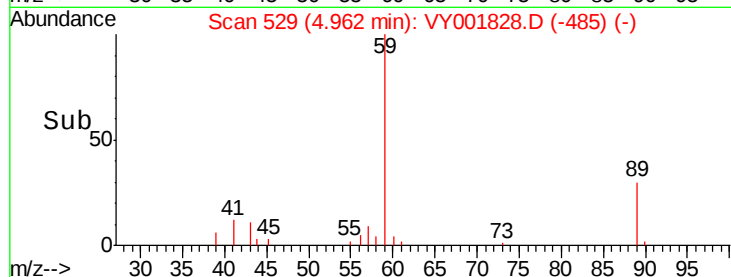
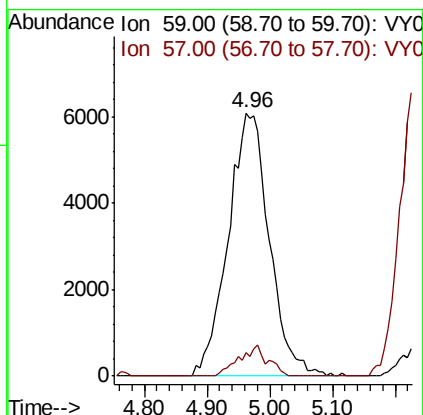
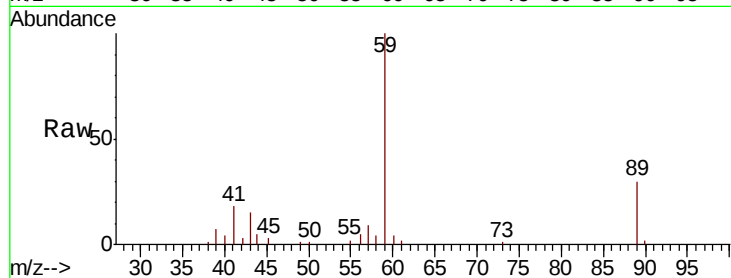


#11

Tert butyl alcohol
 Concen: 110.578 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

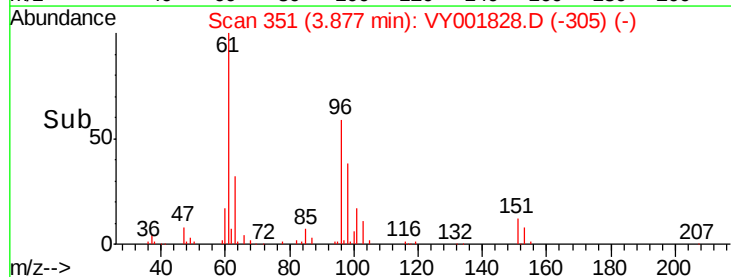
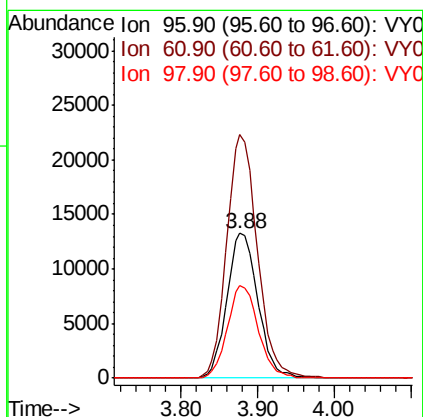
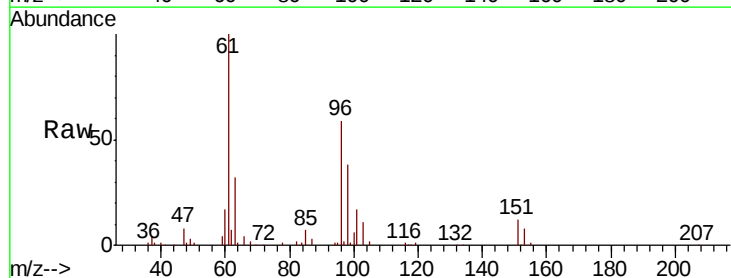
Tot Ion: 59 Resp: 27602
 Ion Ratio Lower Upper
 59 100
 57 8.1 7.4 11.2

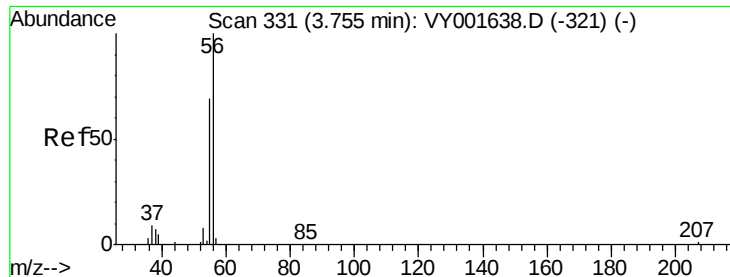


#12

1,1-Dichloroethene
 Concen: 19.365 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion: 96 Resp: 37322
 Ion Ratio Lower Upper
 96 100
 61 168.6 128.7 193.1
 98 63.8 50.7 76.1





#13

Acrolein

Concen: 82.202 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

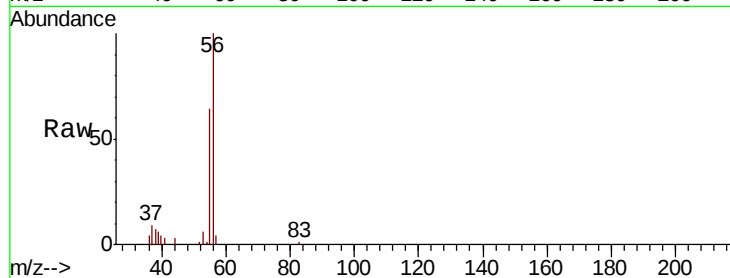
VY0303SBS01

Tot Ion: 56 Resp: 15862

Ion Ratio Lower Upper

56 100

55 68.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

6000

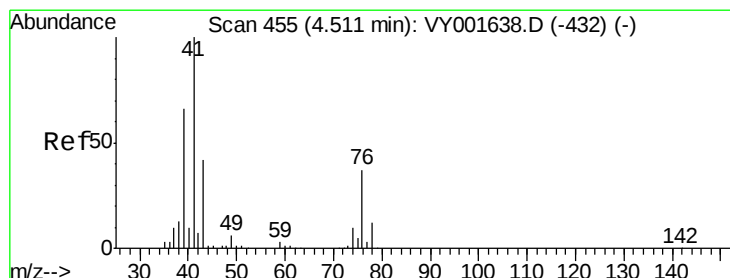
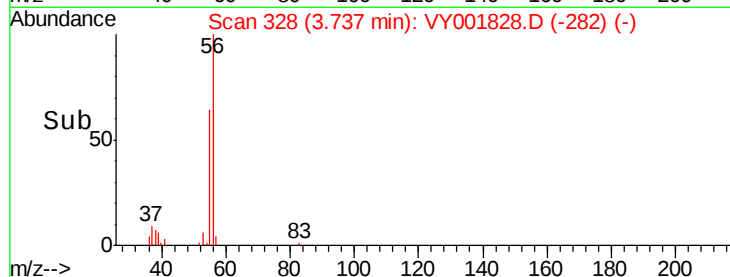
4000

2000

0

Time-->

3.70 3.80 3.90



#14

Allyl chloride

Concen: 20.272 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

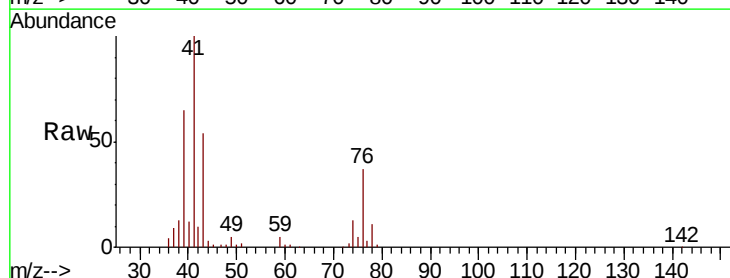
Tgt Ion: 41 Resp: 69532

Ion Ratio Lower Upper

41 100

39 60.3 49.4 74.0

76 35.4 29.0 43.6



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

4.49

30000

25000

20000

15000

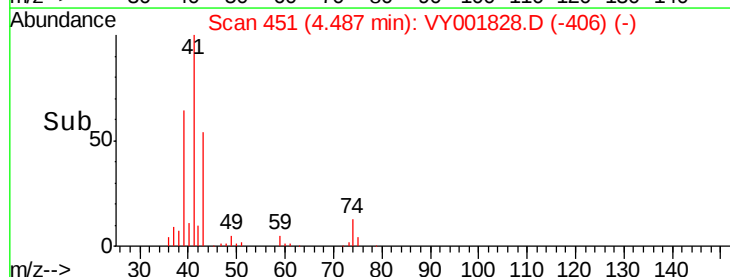
10000

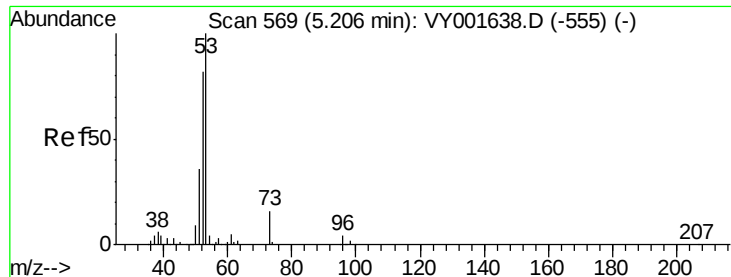
5000

0

Time-->

4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 109.144 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.03 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

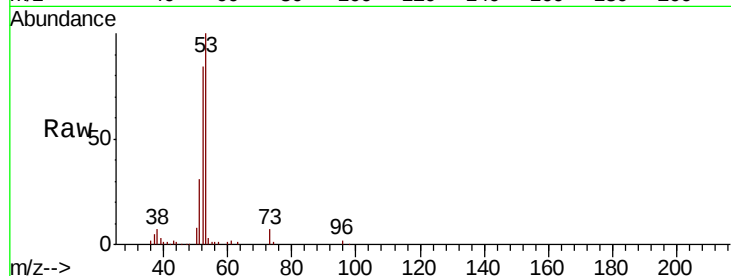
Tot Ion: 53 Resp: 66304

Ion Ratio Lower Upper

53 100

52 82.9 65.4 98.0

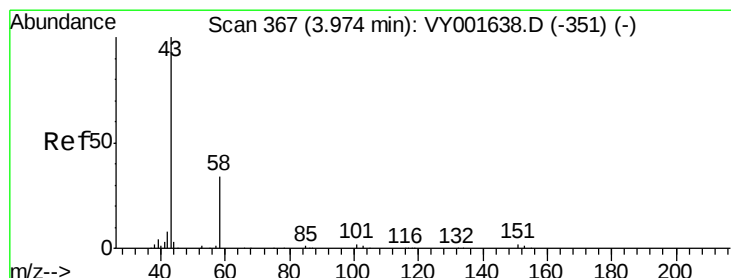
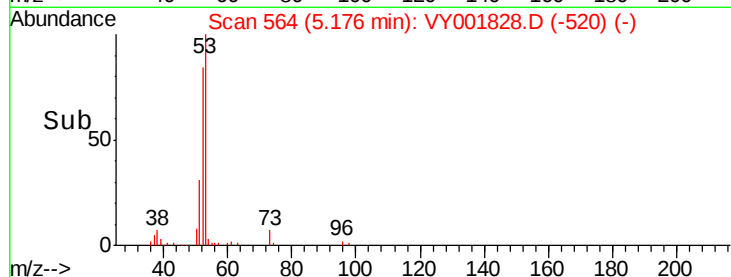
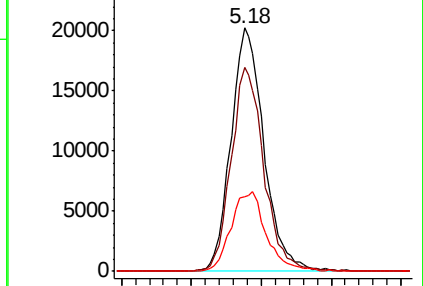
51 34.9 28.0 42.0



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: 92.701 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VY001828.D

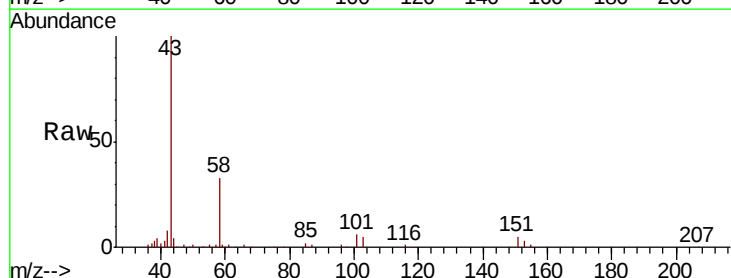
Acq: 03 Mar 2020 12:47

Tgt Ion: 43 Resp: 61285

Ion Ratio Lower Upper

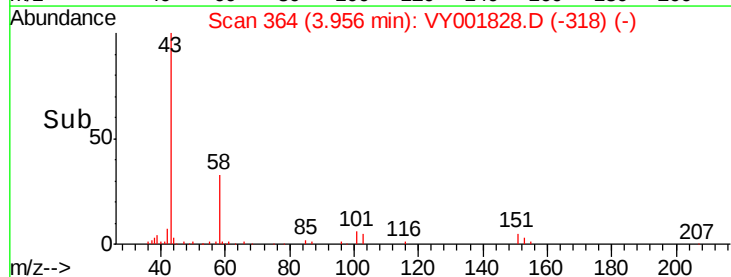
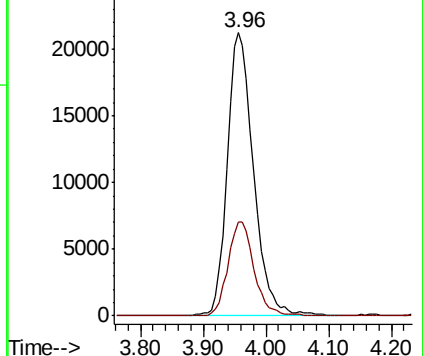
43 100

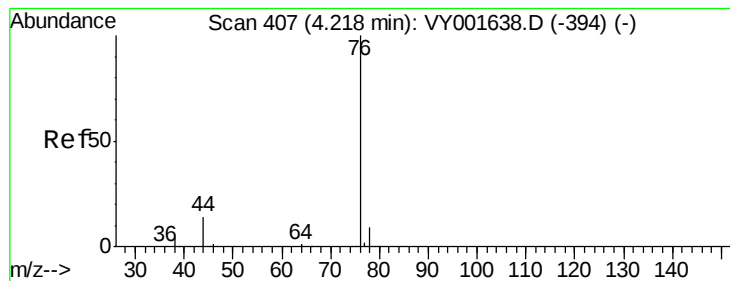
58 33.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 17.574 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

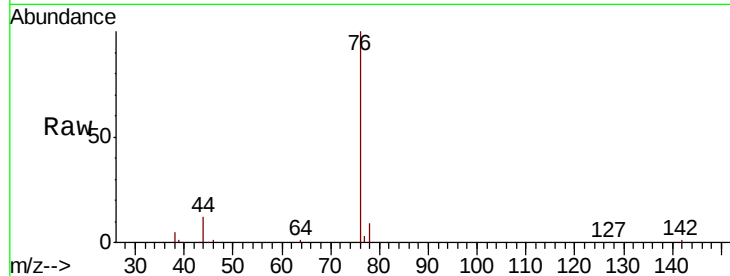
VY0303SBS01

Tot Ion: 76 Resp: 113077

Ion Ratio Lower Upper

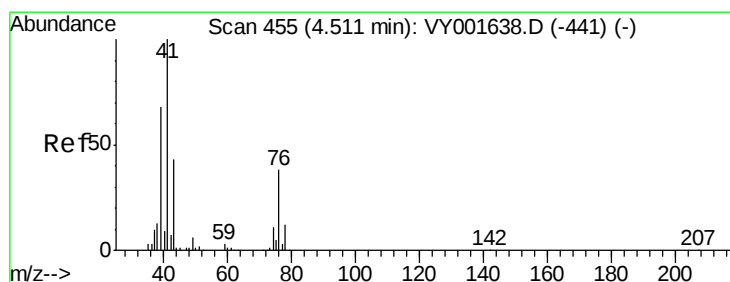
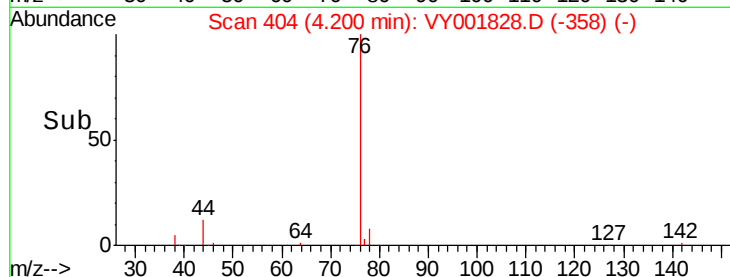
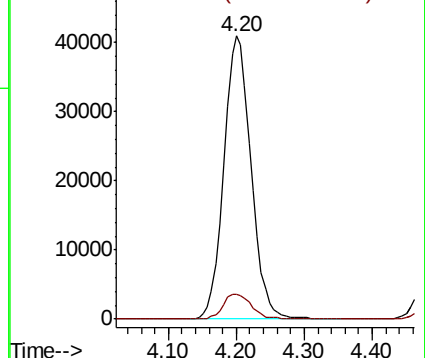
76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 24.098 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.02 min

Lab File: VY001828.D

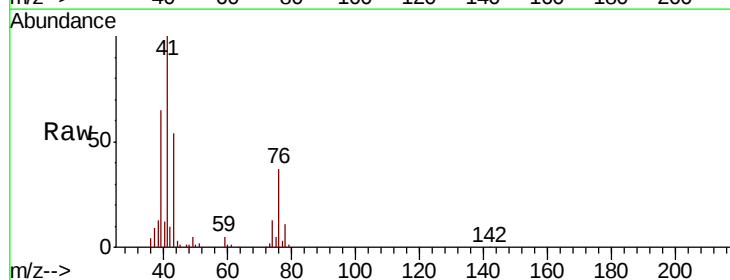
Acq: 03 Mar 2020 12:47

Tgt Ion: 43 Resp: 34694

Ion Ratio Lower Upper

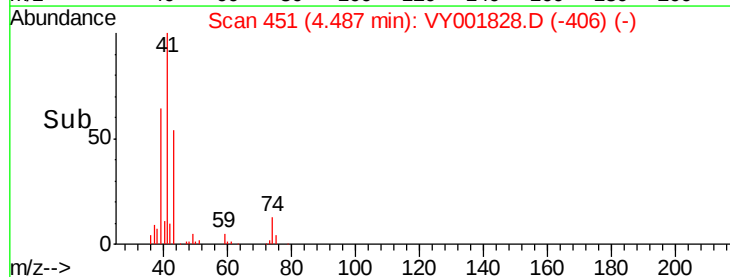
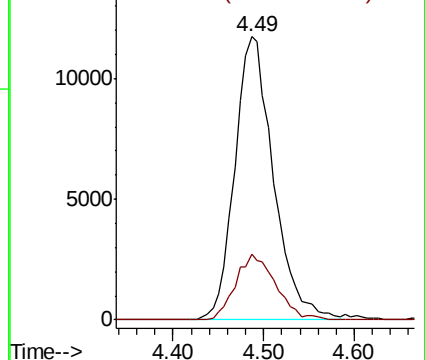
43 100

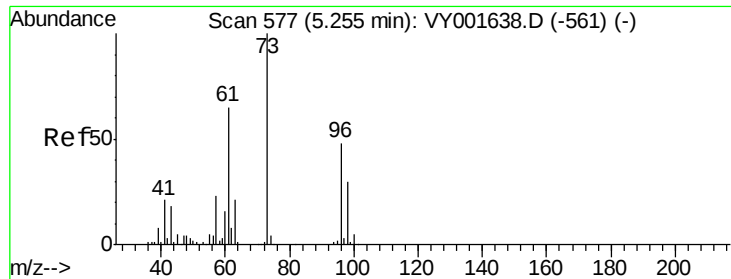
74 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

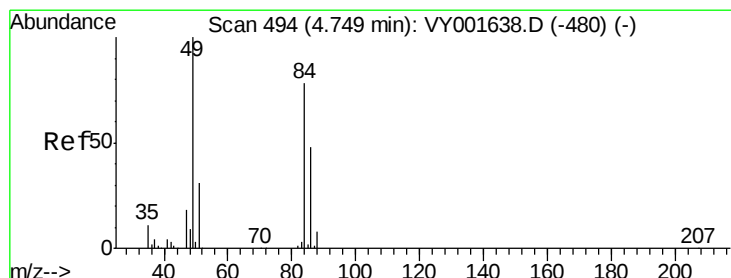
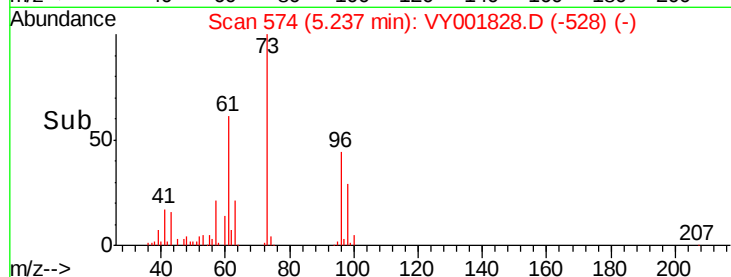
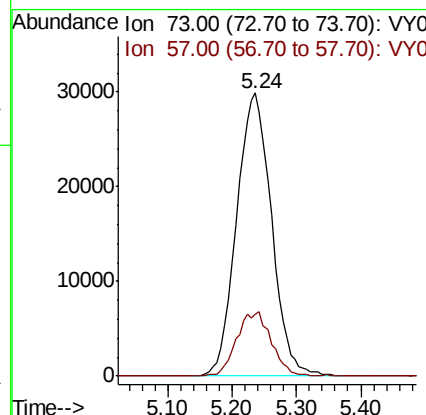
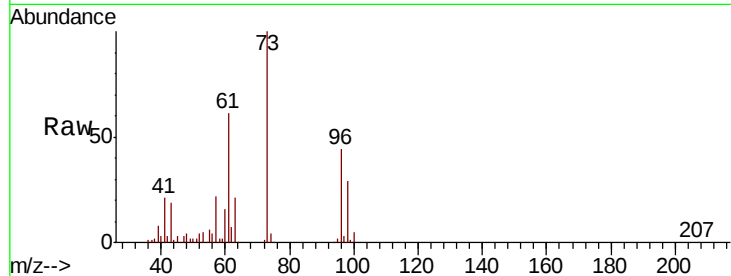




#19
Methyl tert-butyl Ether
Concen: 20.880 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.02 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

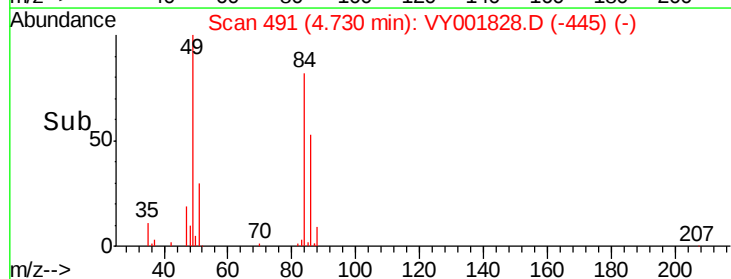
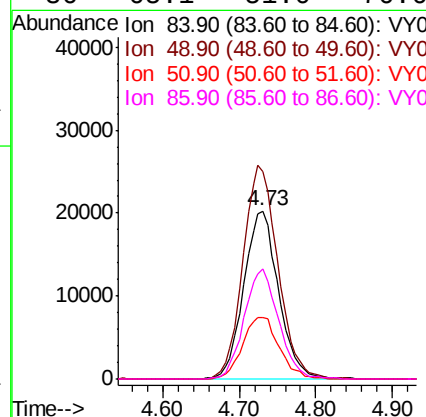
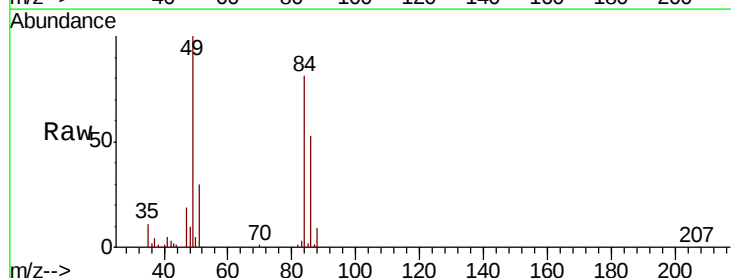
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

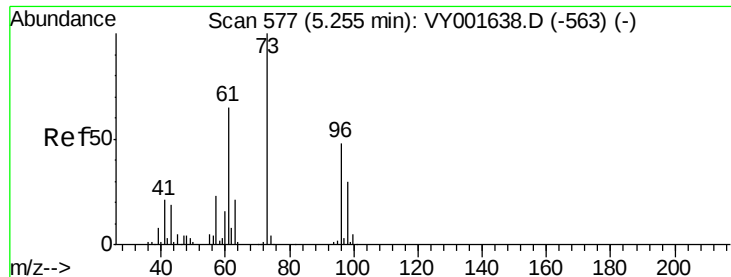
Tot Ion: 73 Resp: 112042
Ion Ratio Lower Upper
73 100
57 22.0 19.0 28.6



#20
Methylene Chloride
Concen: 27.244 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 84 Resp: 63976
Ion Ratio Lower Upper
84 100
49 122.9 99.2 148.8
51 36.6 31.5 47.3
86 65.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.775 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

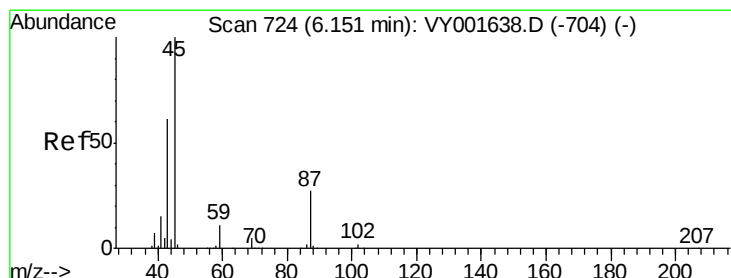
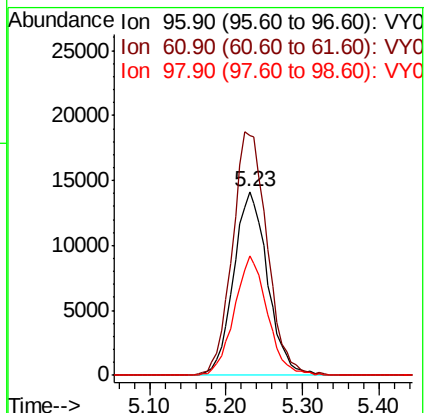
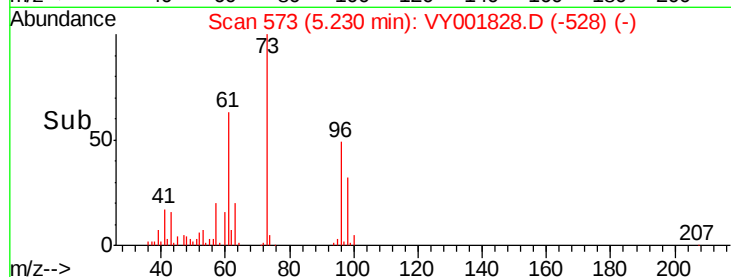
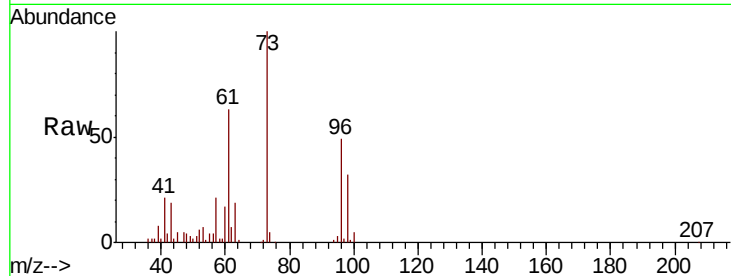
Tot Ion: 96 Resp: 43483

Ion Ratio Lower Upper

96 100

61 130.3 107.9 161.9

98 64.9 49.8 74.8



#22

Diisopropyl ether

Concen: 20.913 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Tgt Ion: 45 Resp: 147307

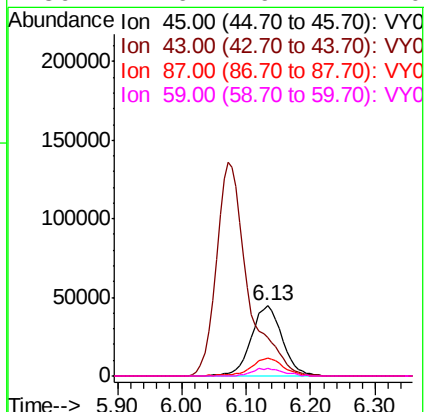
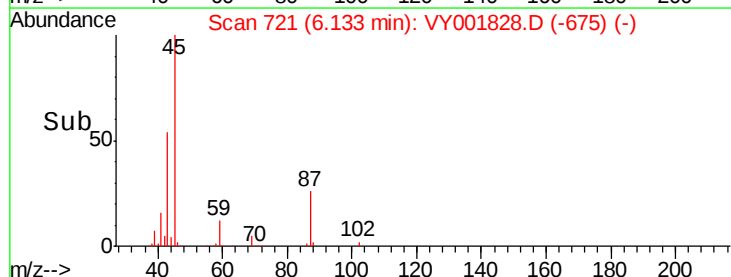
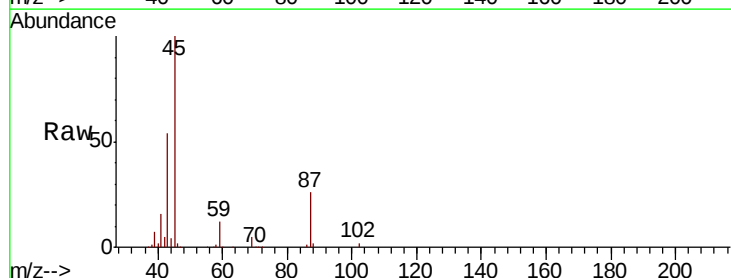
Ion Ratio Lower Upper

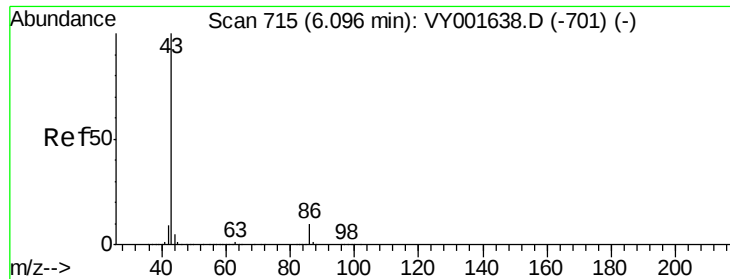
45 100

43 53.5 46.4 69.6

87 25.5 22.1 33.1

59 11.6 9.4 14.0





#23

Vinyl Acetate

Concen: 100.778 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

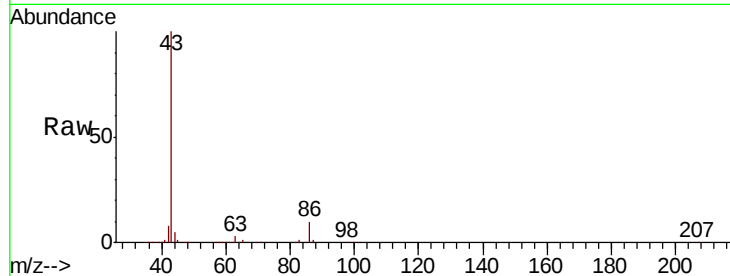
VY0303SBS01

Tot Ion: 43 Resp: 463046

Ion Ratio Lower Upper

43 100

86 10.1 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

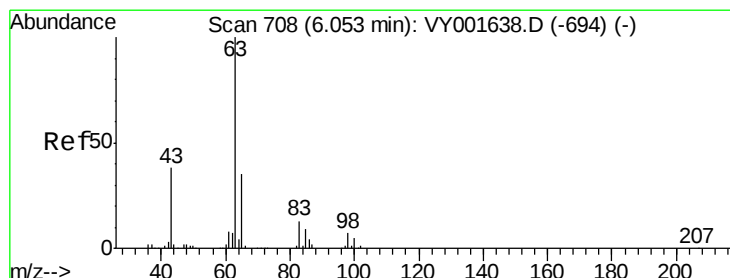
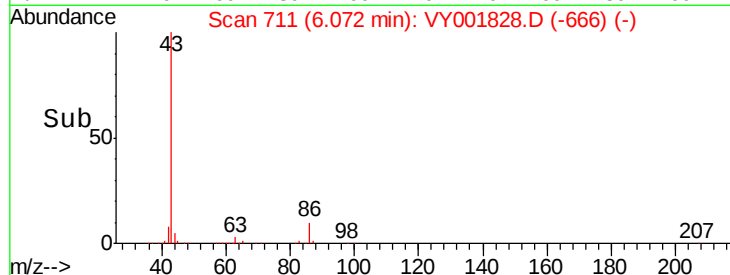
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.581 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

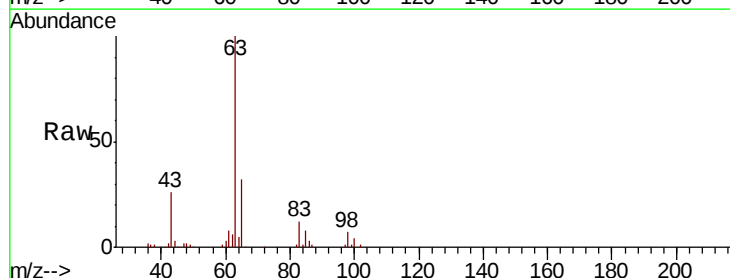
Tgt Ion: 63 Resp: 77485

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 3.9 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

30000

25000

20000

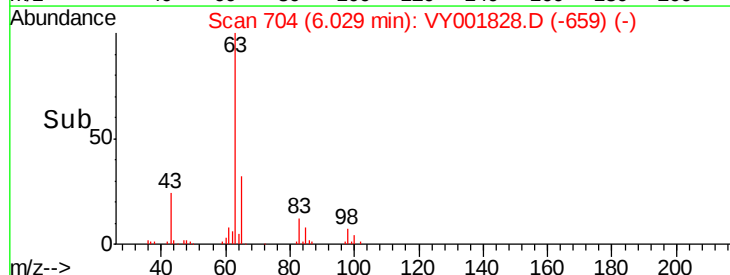
15000

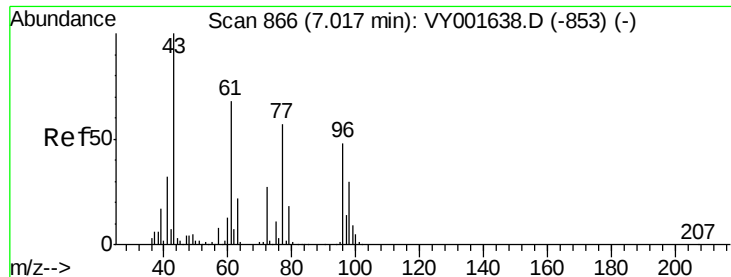
10000

5000

0

Time-->





#25

2-Butanone

Concen: 102.354 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

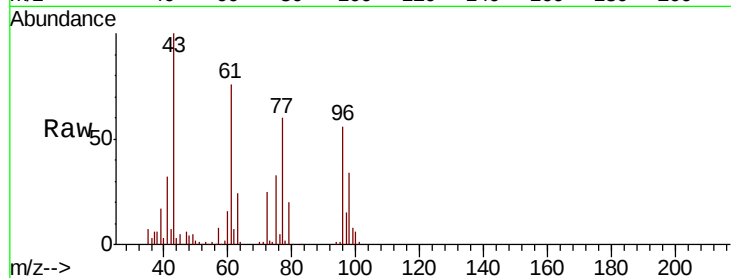
VY0303SBS01

Tot Ion: 43 Resp: 91922

Ion Ratio Lower Upper

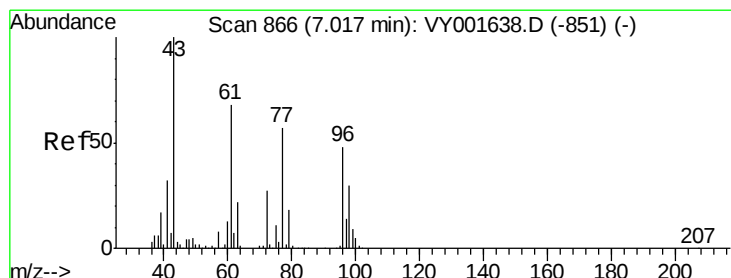
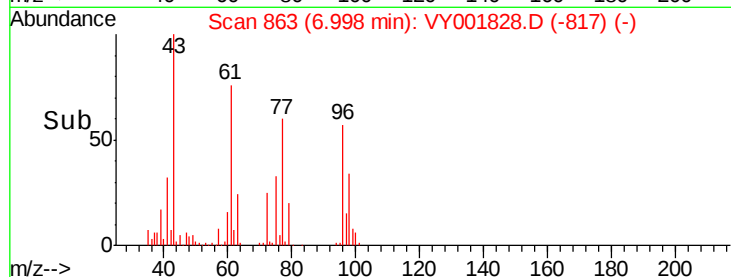
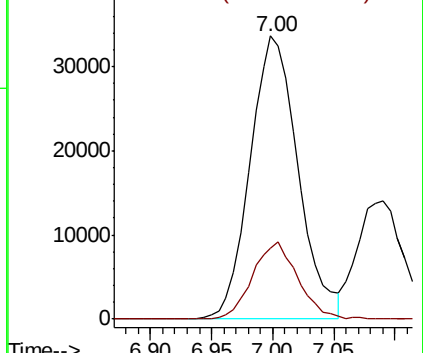
43 100

72 25.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 19.601 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY001828.D

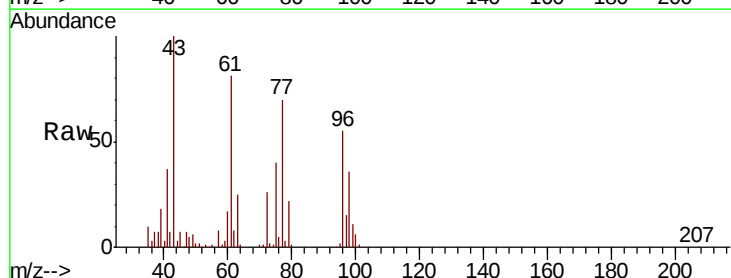
Acq: 03 Mar 2020 12:47

Tgt Ion: 77 Resp: 64202

Ion Ratio Lower Upper

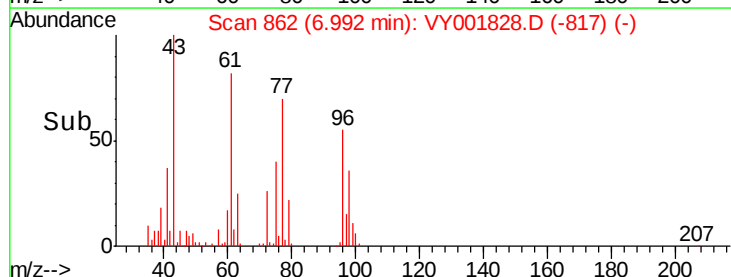
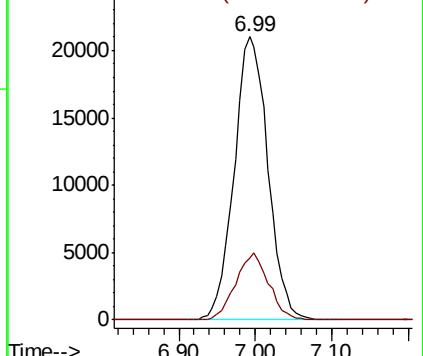
77 100

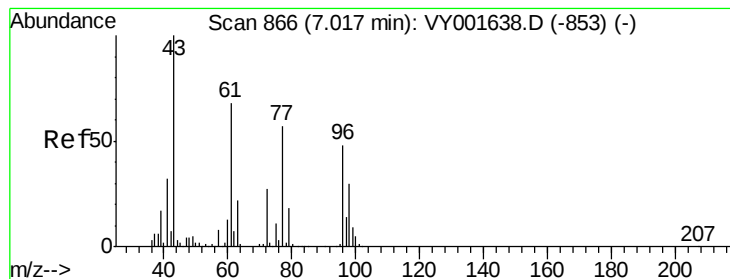
97 23.1 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



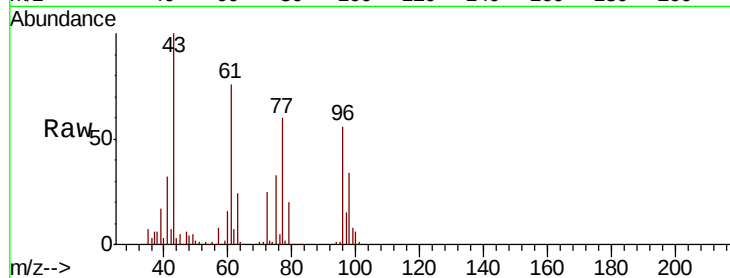


#27

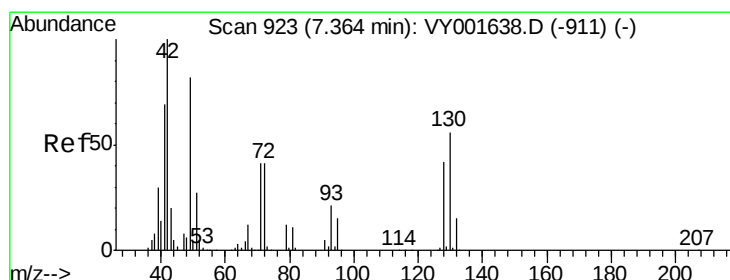
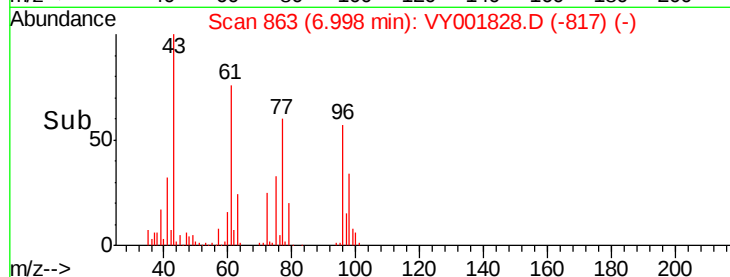
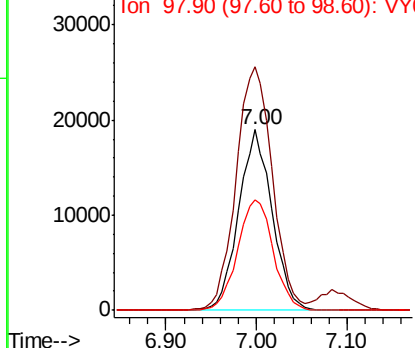
cis-1,2-Dichloroethene
 Concen: 20.035 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion	96	Resp	48628
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	290.8
98	65.0	0.0	128.6



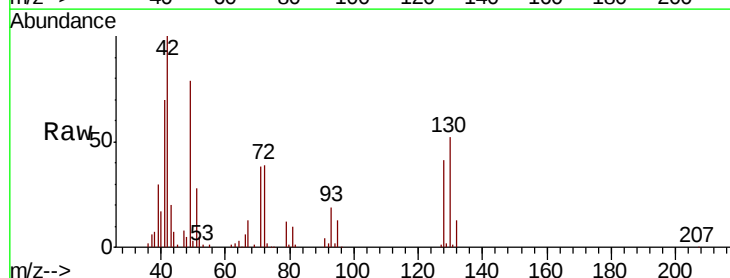
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



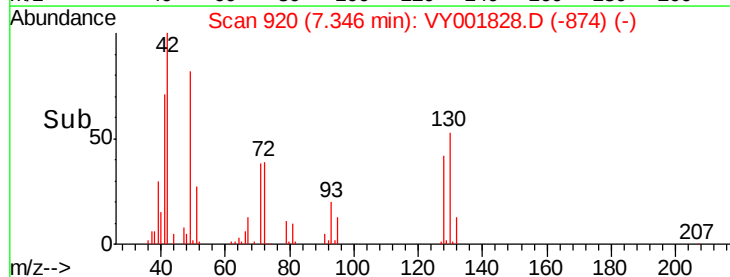
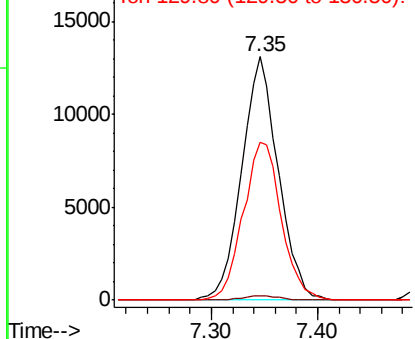
#28

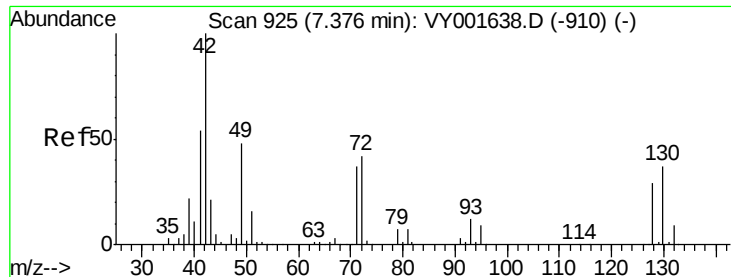
Bromochloromethane
 Concen: 20.063 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion	49	Resp	31464
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	67.6	56.2	84.4



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

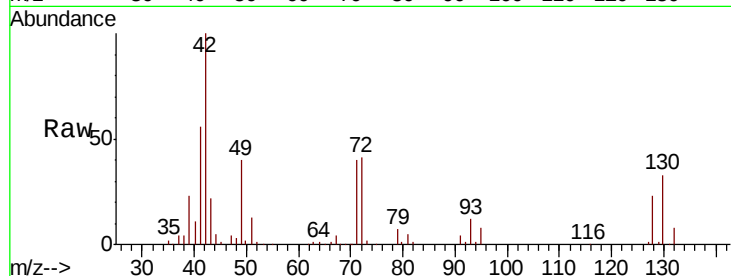




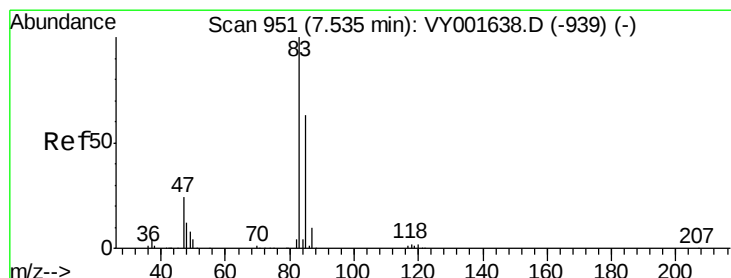
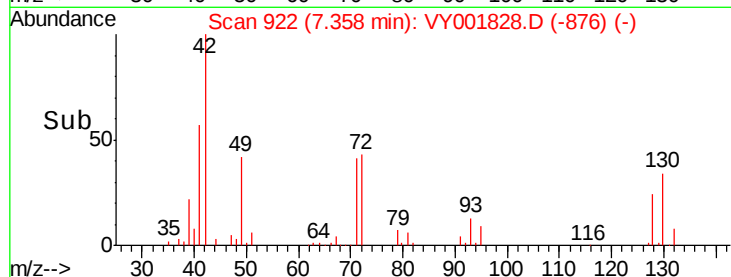
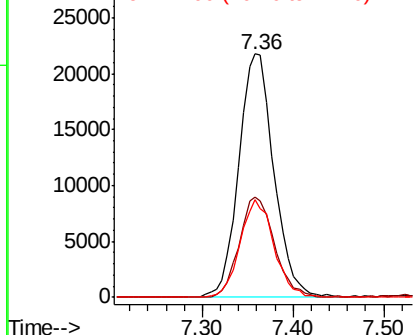
#29
Tetrahydrofuran
Concen: 107.484 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion: 42 Resp: 58344
Ion Ratio Lower Upper
42 100
72 41.3 34.4 51.6
71 38.4 31.8 47.8

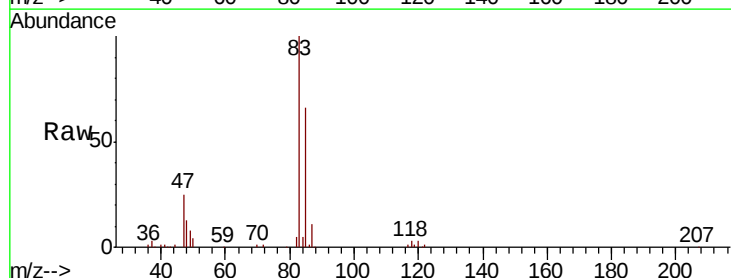


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

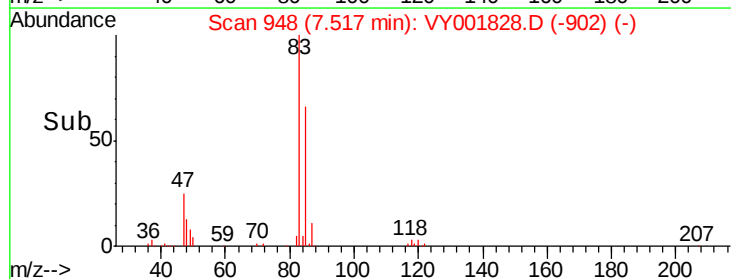
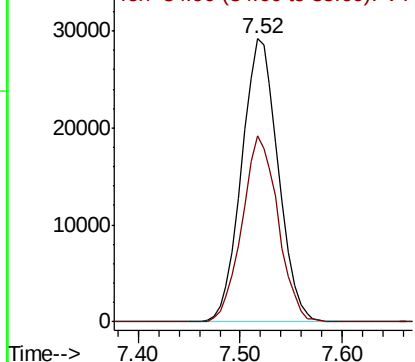


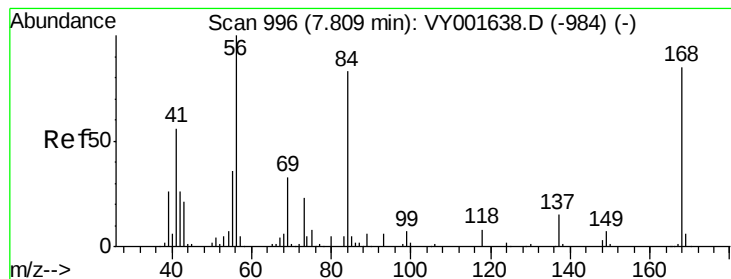
#30
Chloroform
Concen: 19.739 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.02 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 83 Resp: 72613
Ion Ratio Lower Upper
83 100
85 65.9 51.6 77.4



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





#31

Cyclohexane

Concen: 19.372 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

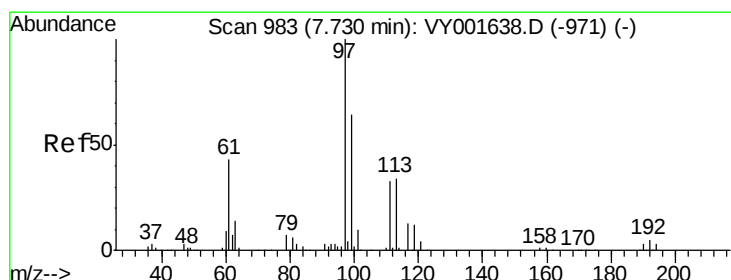
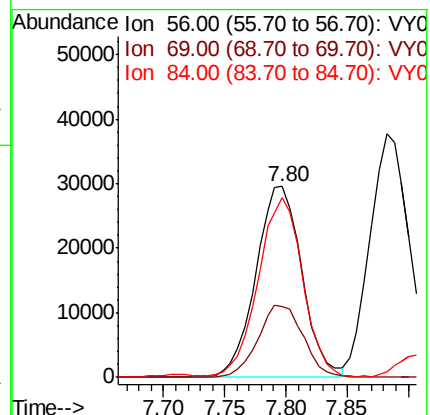
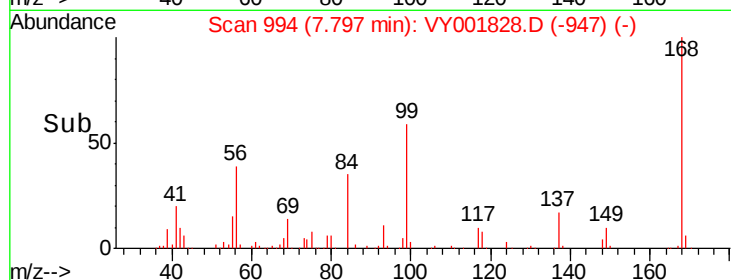
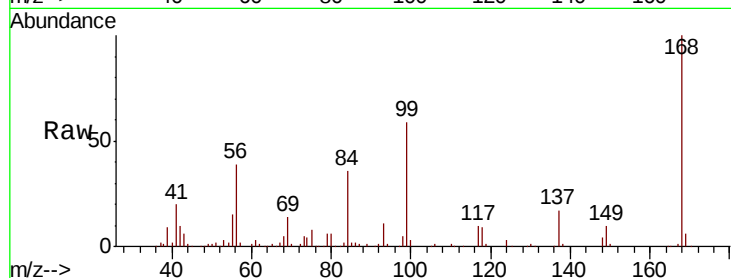
Tot Ion: 56 Resp: 77762

Ion Ratio Lower Upper

56 100

69 37.2 25.1 37.7

84 93.3 66.9 100.3



#32

1,1,1-Trichloroethane

Concen: 19.762 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

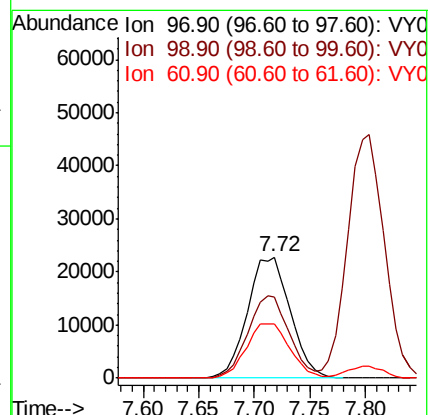
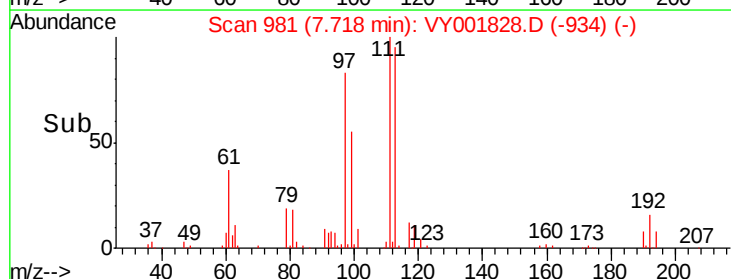
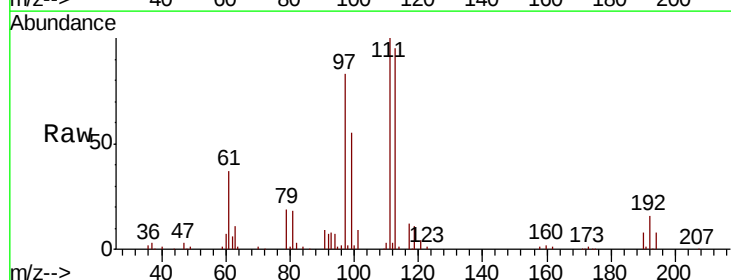
Tgt Ion: 97 Resp: 61099

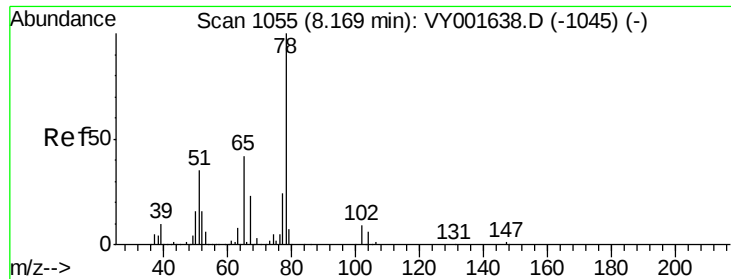
Ion Ratio Lower Upper

97 100

99 65.2 51.2 76.8

61 45.8 35.0 52.6

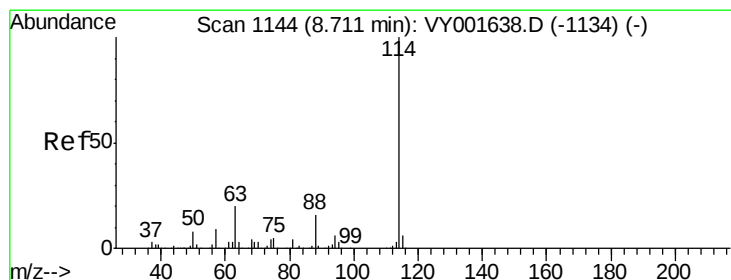
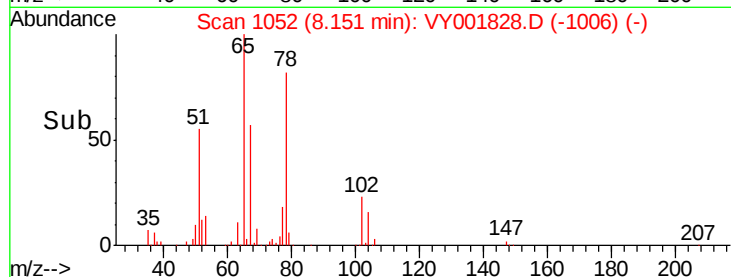
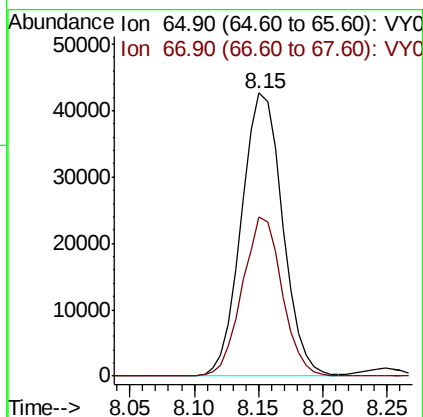
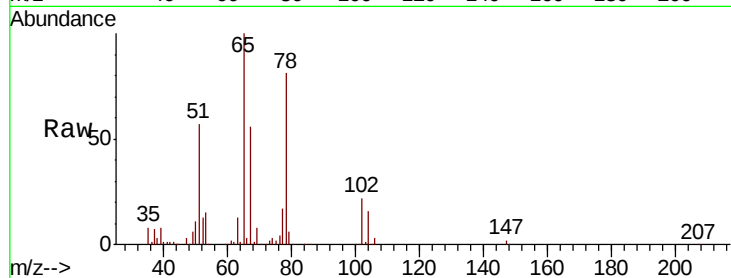




#33
 1,2-Dichloroethane-d4
 Concen: 49.491 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

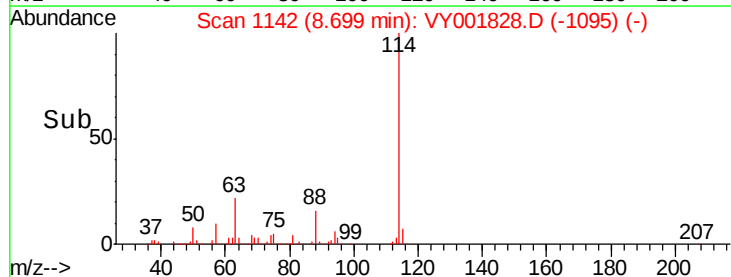
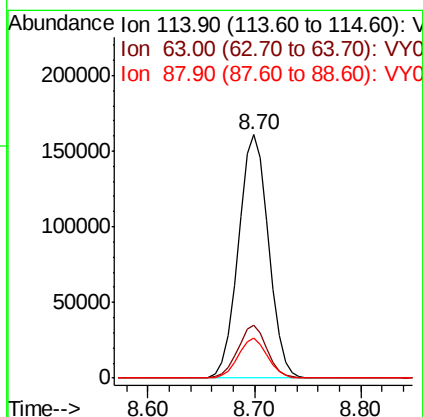
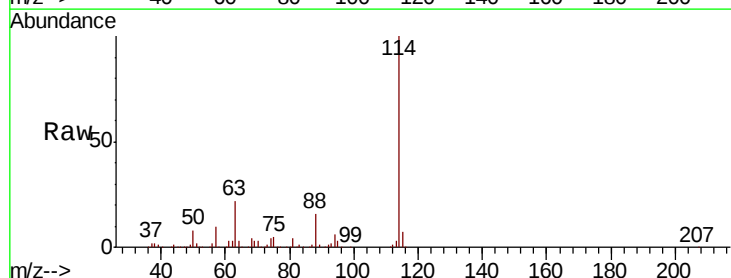
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

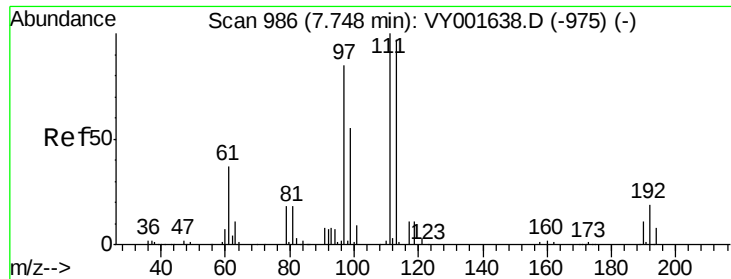
Tot Ion: 65 Resp: 94560
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion: 114 Resp: 319570
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.4
 88 16.4 0.0 32.8

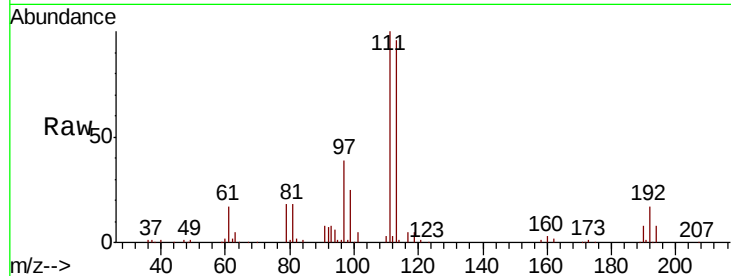




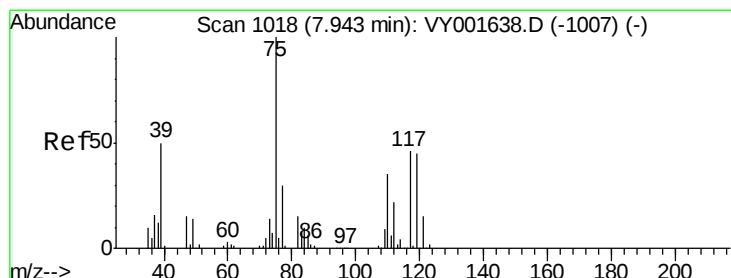
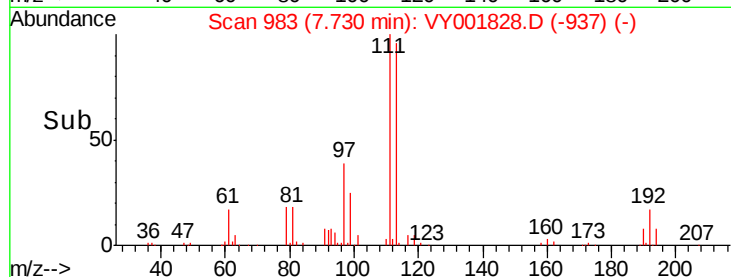
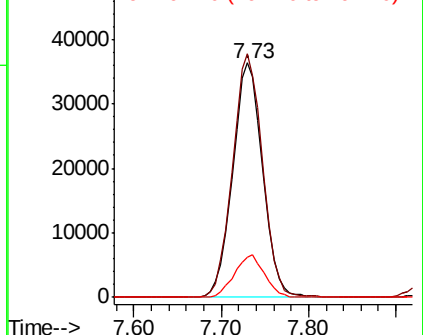
#35
 Dibromofluoromethane
 Concen: 47.185 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion:113 Resp: 86365
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.9 122.9
 192 18.1 14.3 21.5

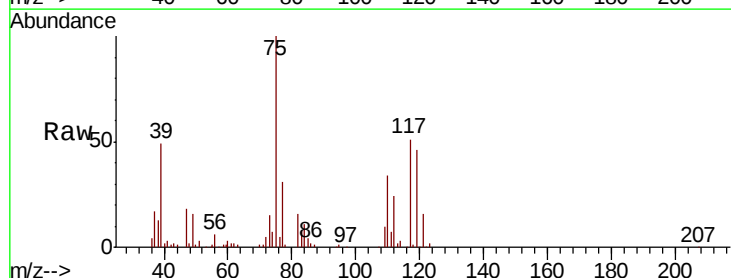


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

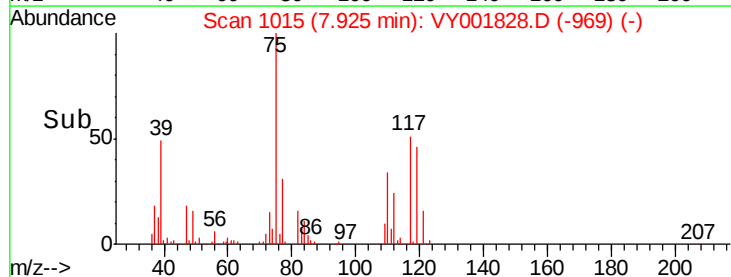
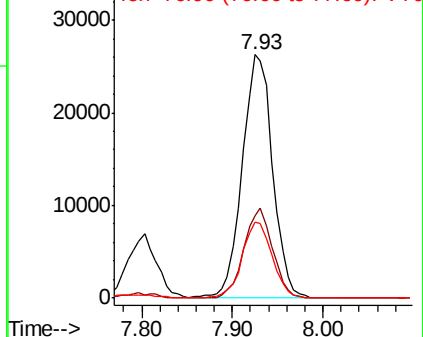


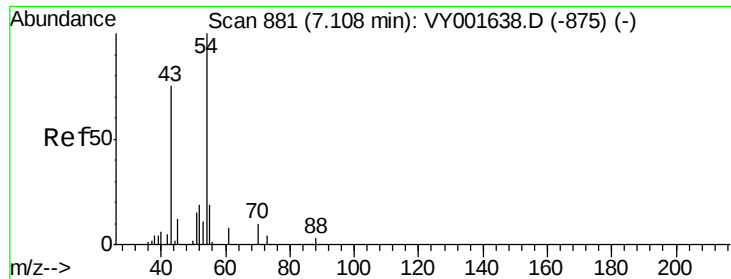
#36
 1,1-Dichloropropene
 Concen: 19.946 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion: 75 Resp: 60886
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.2 51.6
 77 31.0 24.8 37.2



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

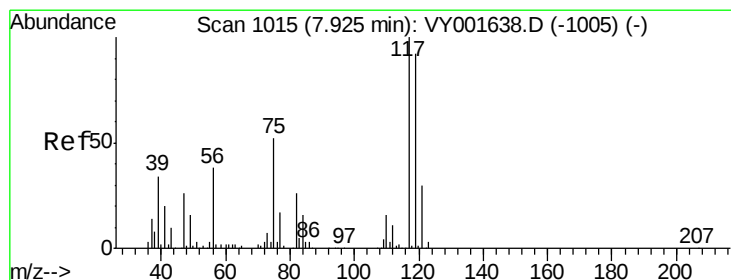
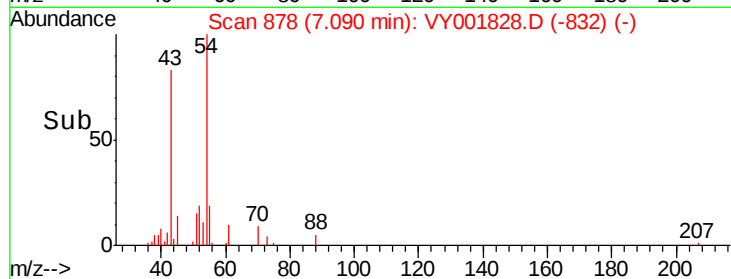
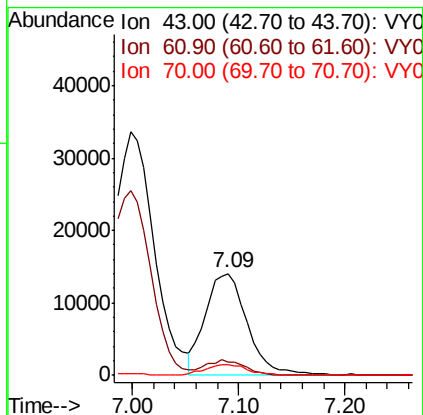
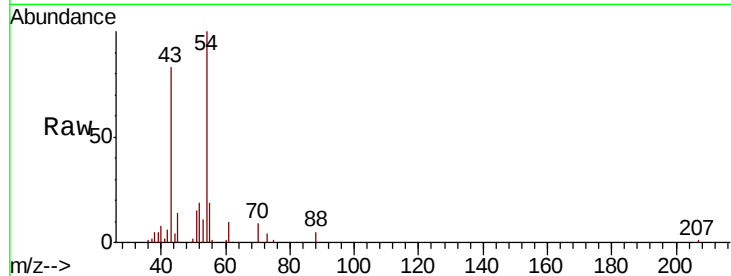




#37
Ethyl Acetate
Concen: 20.719 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.02 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

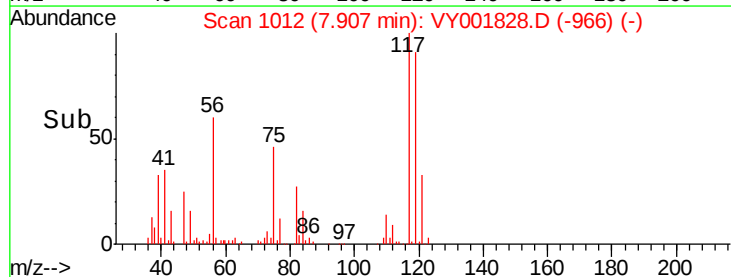
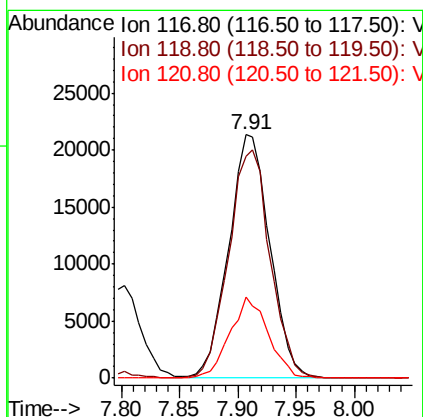
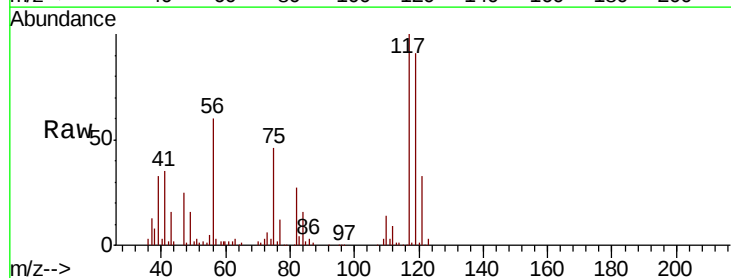
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

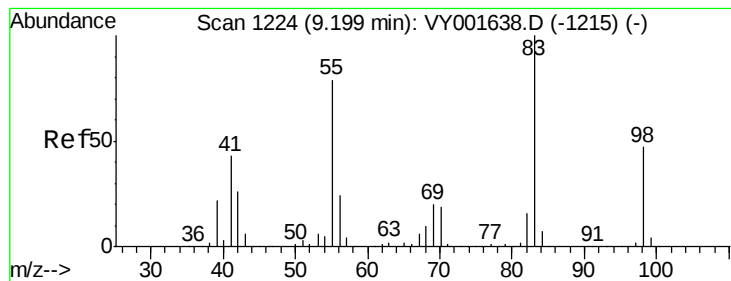
Tot Ion: 43 Resp: 37748
Ion Ratio Lower Upper
43 100
61 14.7 11.0 16.6
70 10.9 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.561 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 117 Resp: 52447
Ion Ratio Lower Upper
117 100
119 91.4 74.8 112.2
121 33.1 23.8 35.6

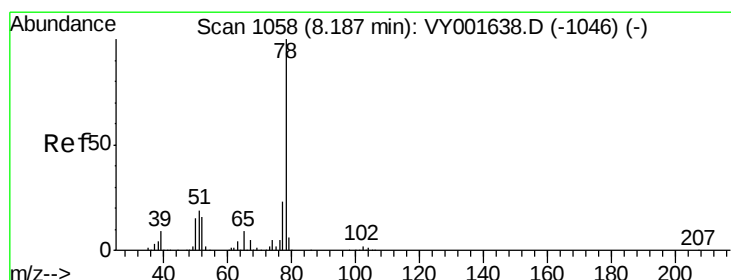
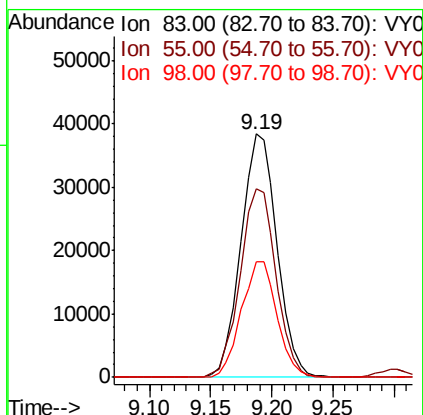
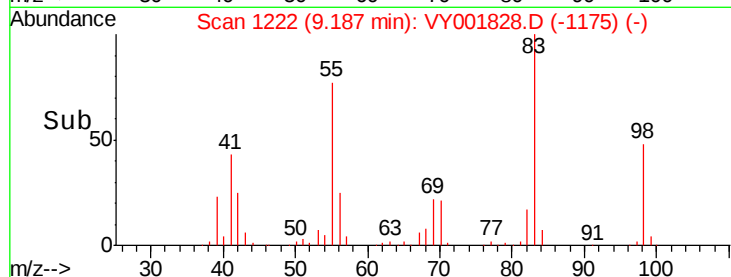
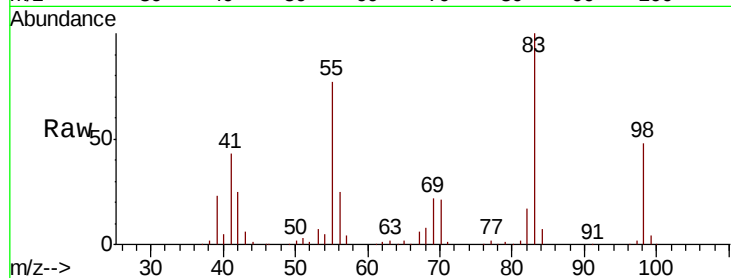




#39
Methvlcvclohexane
Concen: 19.374 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

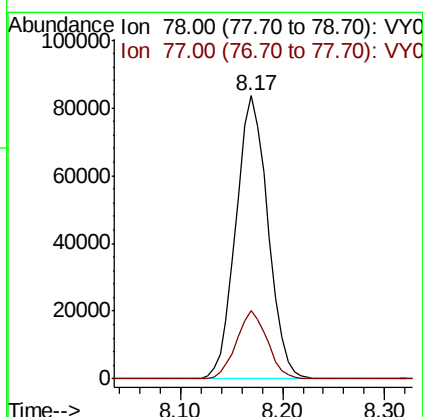
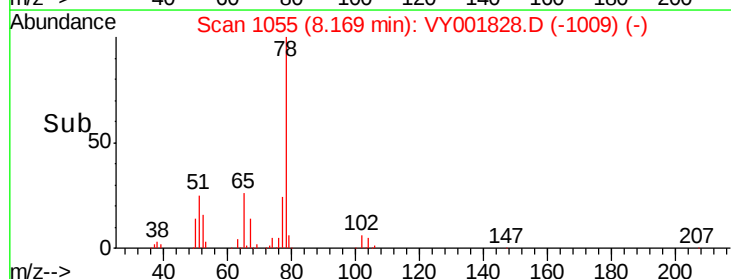
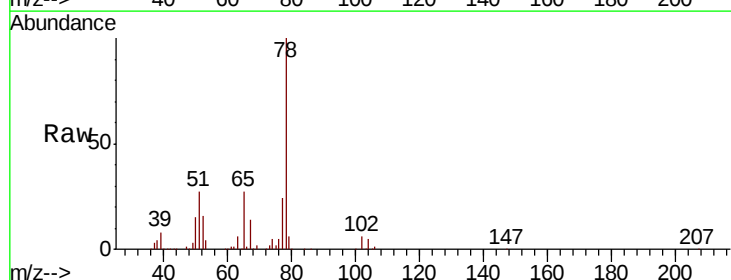
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

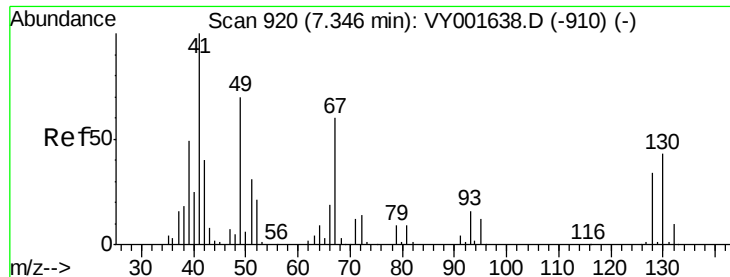
Tot Ion: 83 Resp: 78460
Ion Ratio Lower Upper
83 100
55 77.3 61.3 91.9
98 47.6 38.0 57.0



#40
Benzene
Concen: 20.254 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 78 Resp: 181834
Ion Ratio Lower Upper
78 100
77 24.3 18.2 27.4

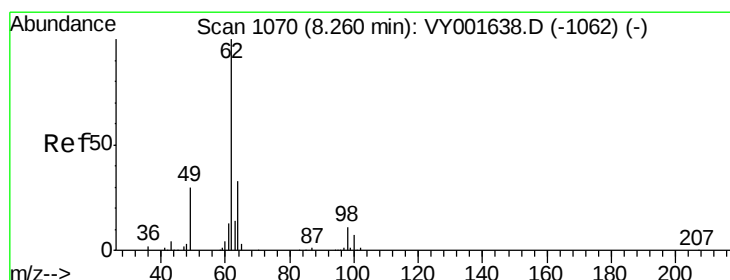
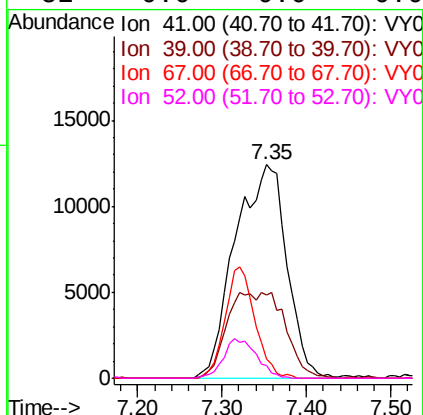
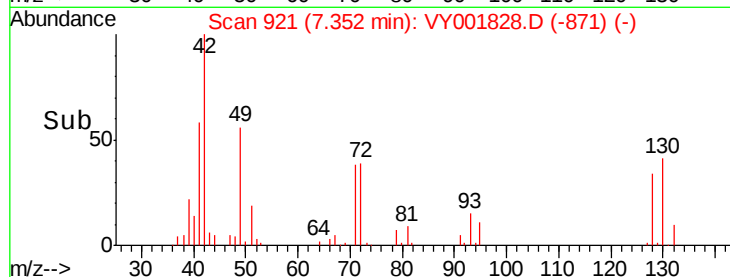
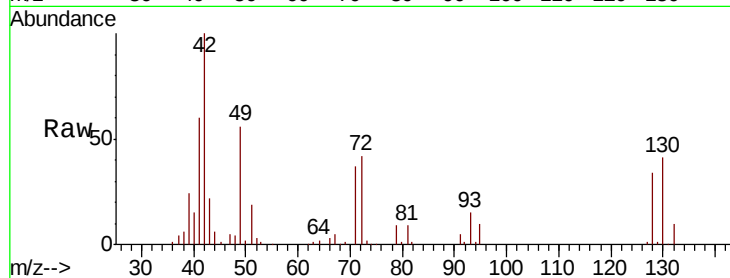




#41
Methacrylonitrile
Concen: 56.780 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

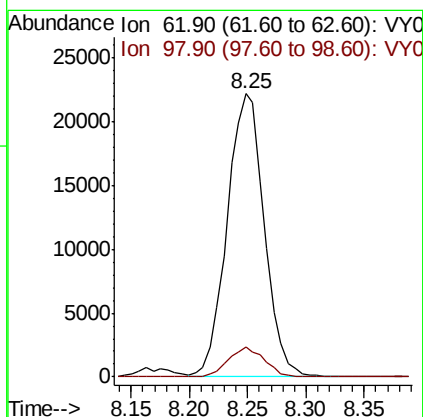
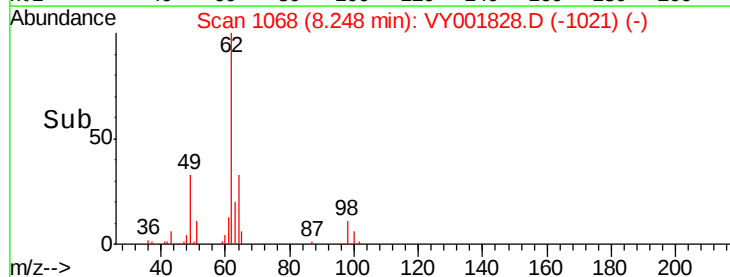
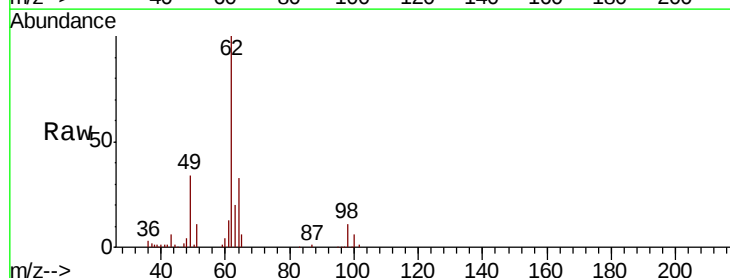
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBSD01

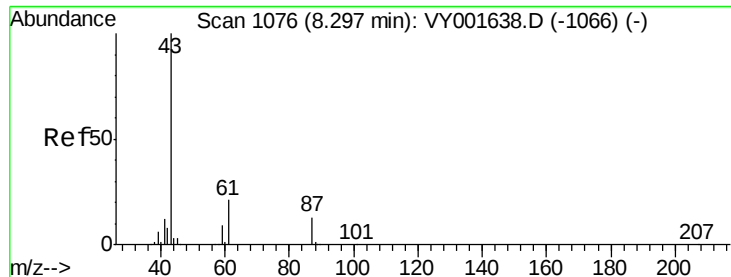
Tot Ion: 41 Resp: 51942
Ion Ratio Lower Upper
41 100
39 0.0 36.0 54.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.070 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 62 Resp: 49086
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.8





#43

Isopropyl Acetate

Concen: 21.075 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

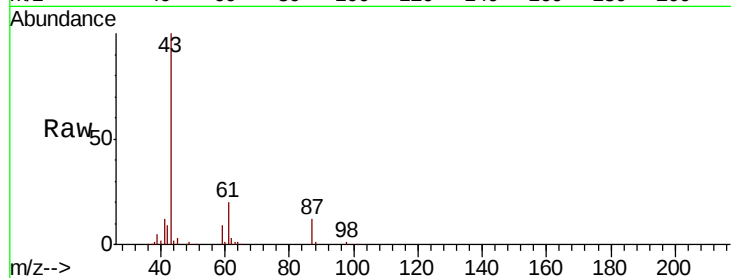
Tot Ion: 43 Resp: 72853

Ion Ratio Lower Upper

43 100

61 28.5 23.0 34.4

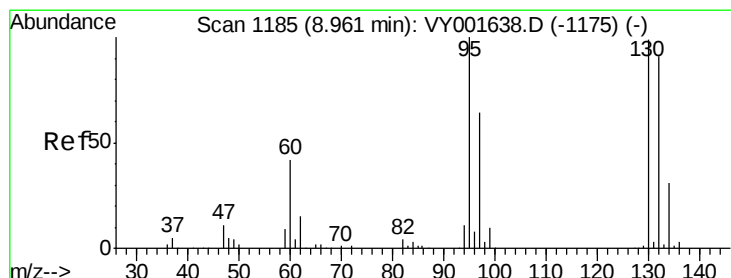
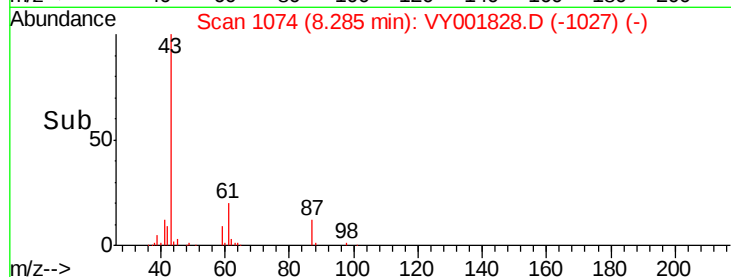
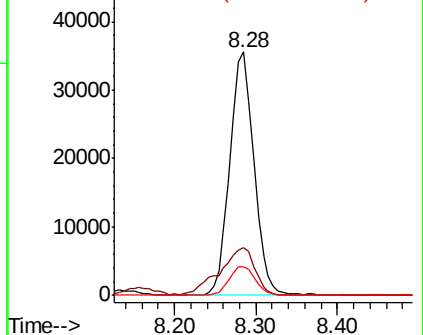
87 12.4 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VY001828.D (-1074) (-)

Ion 61.00 (60.70 to 61.70): VY001828.D (-1074) (-)

Ion 87.00 (86.70 to 87.70): VY001828.D (-1074) (-)



#44

Trichloroethene

Concen: 19.569 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VY001828.D

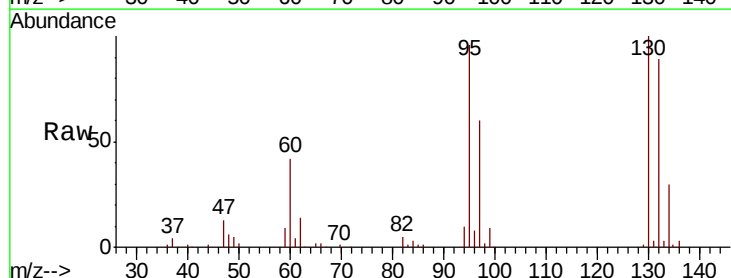
Acq: 03 Mar 2020 12:47

Tgt Ion: 130 Resp: 43857

Ion Ratio Lower Upper

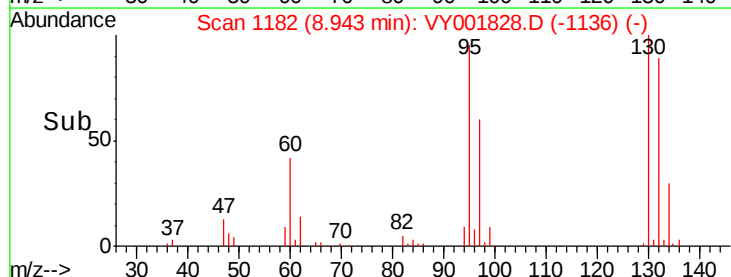
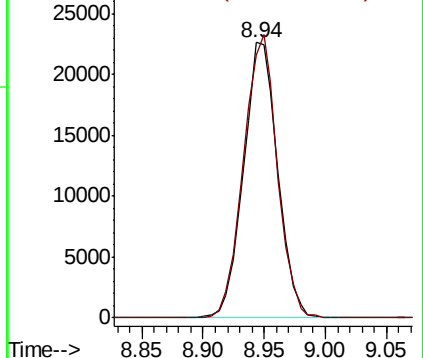
130 100

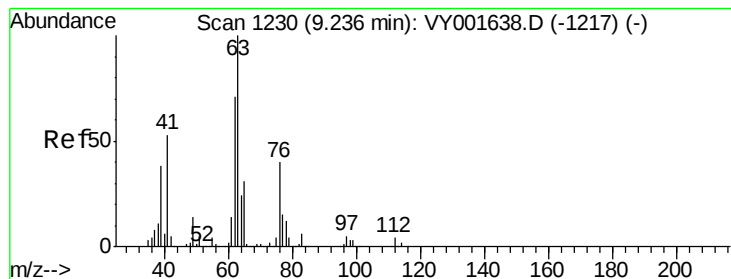
95 95.7 0.0 200.6



Abundance Ion 129.80 (129.50 to 130.50): VY001828.D (-1182) (-)

Ion 94.90 (94.60 to 95.60): VY001828.D (-1182) (-)





#45

1,2-Dichloropropane

Concen: 20.894 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

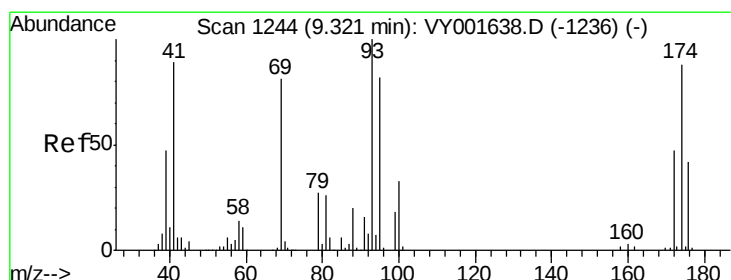
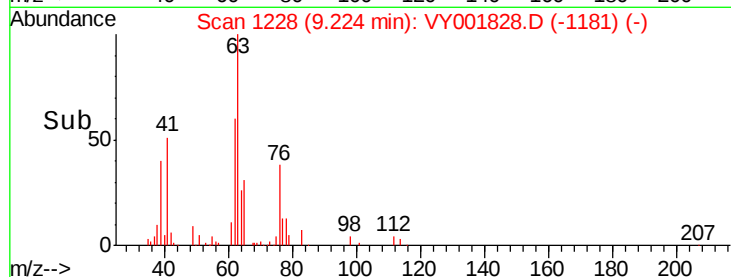
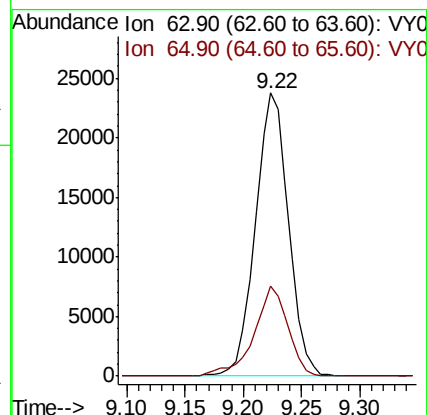
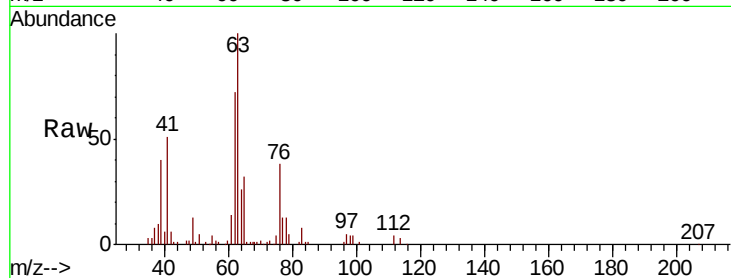
VY0303SBS01

Tot Ion: 63 Resp: 46978

Ion Ratio Lower Upper

63 100

65 31.9 24.6 37.0



#46

Dibromomethane

Concen: 20.565 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

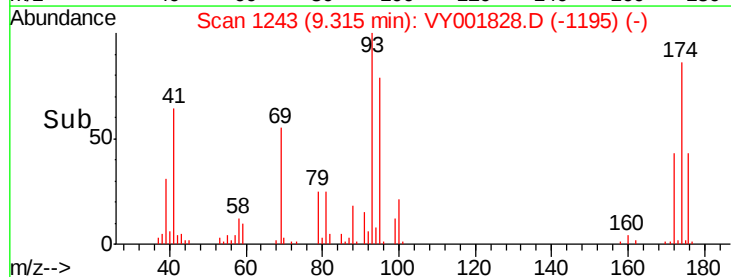
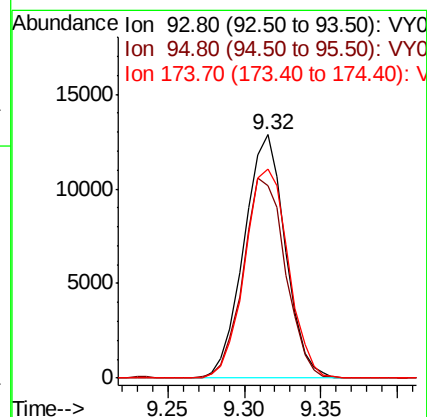
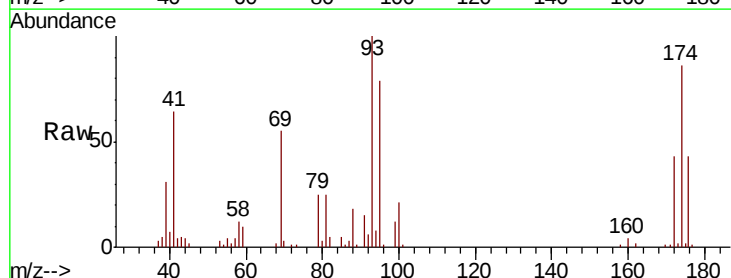
Tgt Ion: 93 Resp: 24184

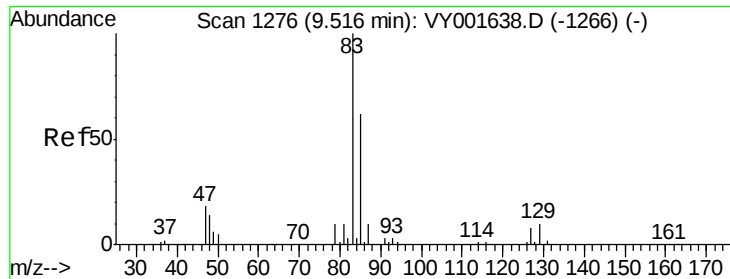
Ion Ratio Lower Upper

93 100

95 84.1 66.1 99.1

174 90.2 72.5 108.7





#47

Bromodichloromethane

Concen: 19.761 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

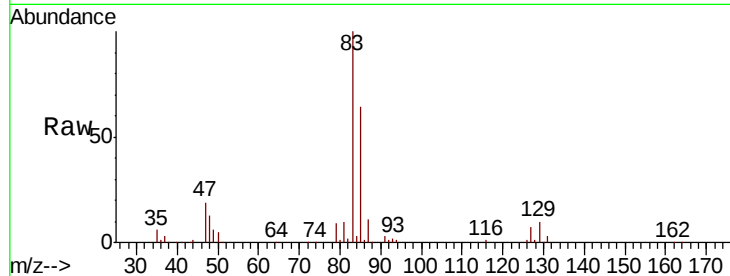
Tot Ion: 83 Resp: 56085

Ion Ratio Lower Upper

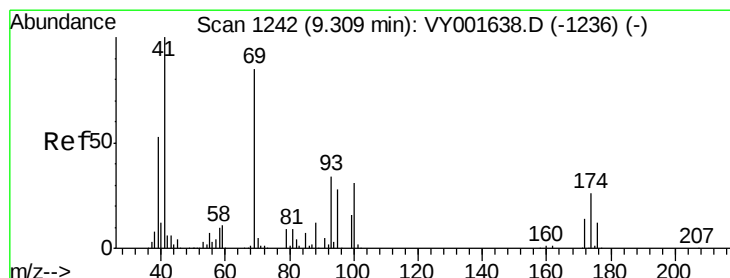
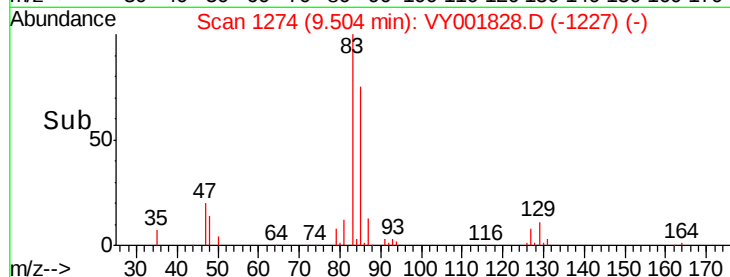
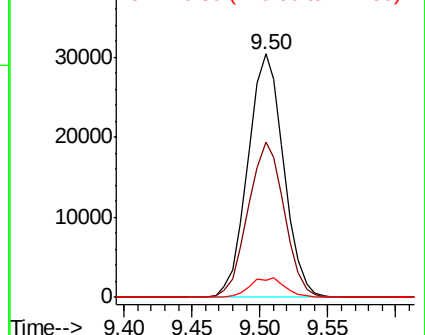
83 100

85 63.6 51.4 77.0

127 7.1 6.4 9.6



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



#48

Methyl methacrylate

Concen: 20.199 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

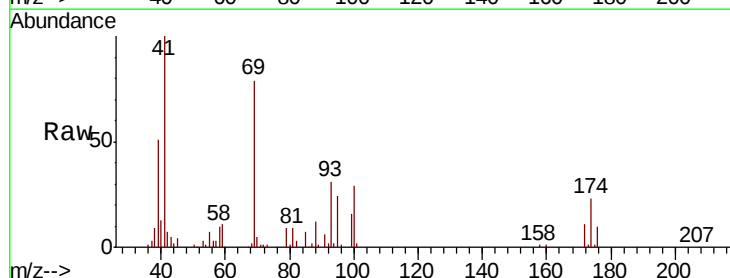
Tgt Ion: 41 Resp: 31578

Ion Ratio Lower Upper

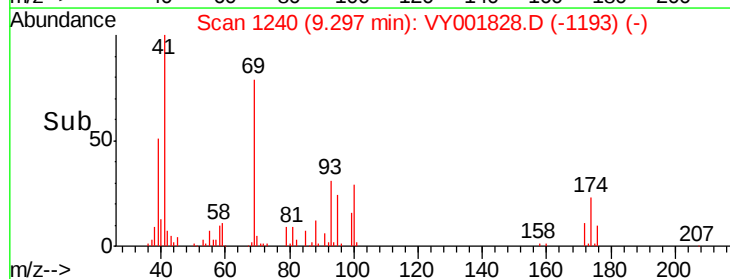
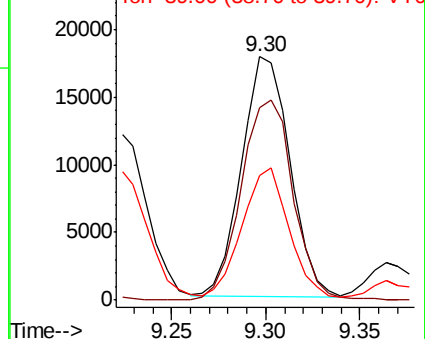
41 100

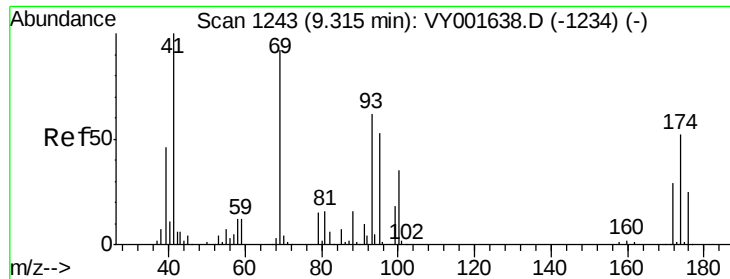
69 89.6 70.7 106.1

39 54.6 42.2 63.2



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: 389.960 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

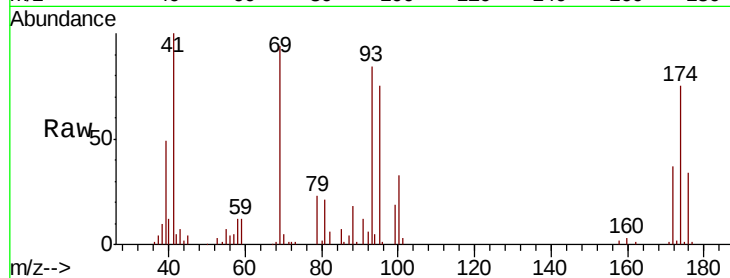
Tot Ion: 88 Resp: 6477

Ion Ratio Lower Upper

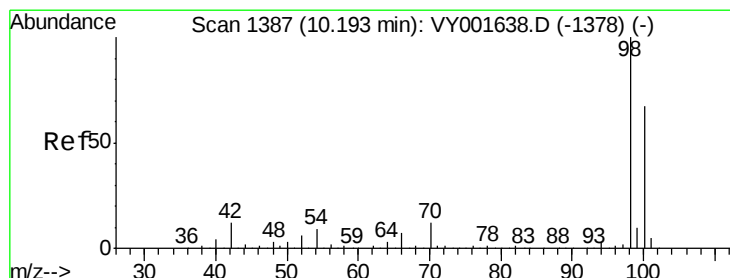
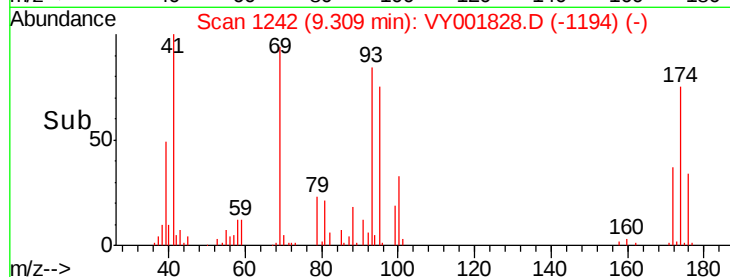
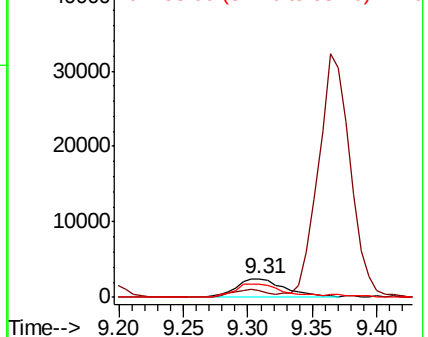
88 100

43 30.6 23.1 34.7

58 83.3 58.1 87.1



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: 49.307 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001828.D

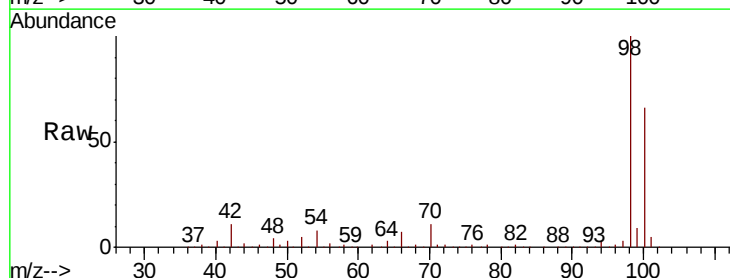
Acq: 03 Mar 2020 12:47

Tgt Ion: 98 Resp: 353572

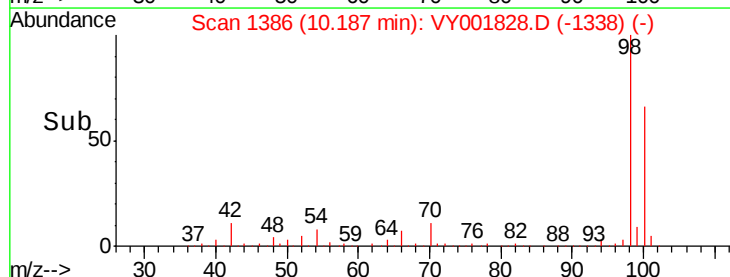
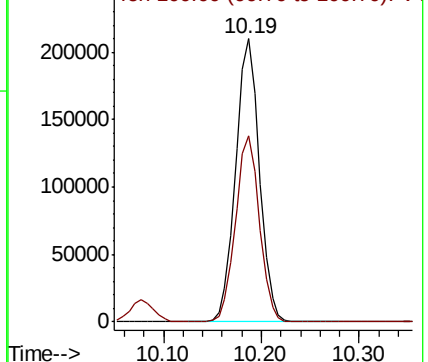
Ion Ratio Lower Upper

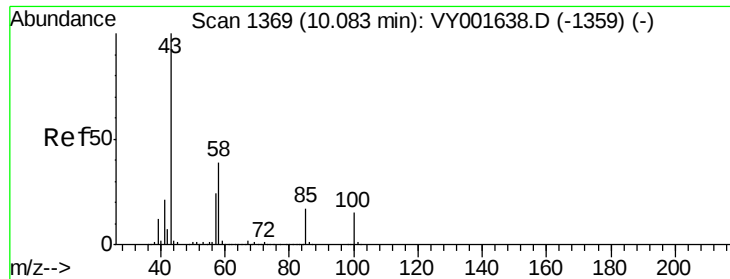
98 100

100 66.1 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: 106.533 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

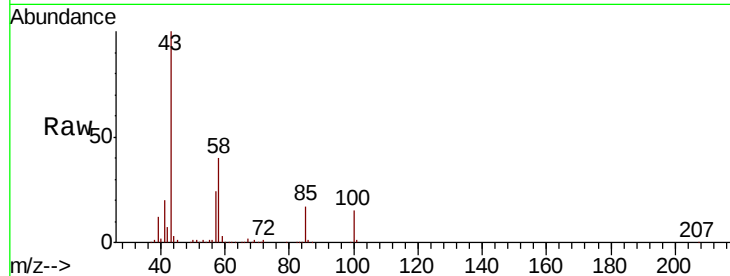
VY0303SBS01

Tot Ion: 43 Resp: 189209

Ion Ratio Lower Upper

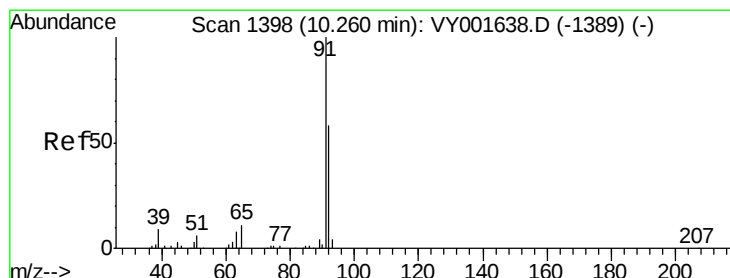
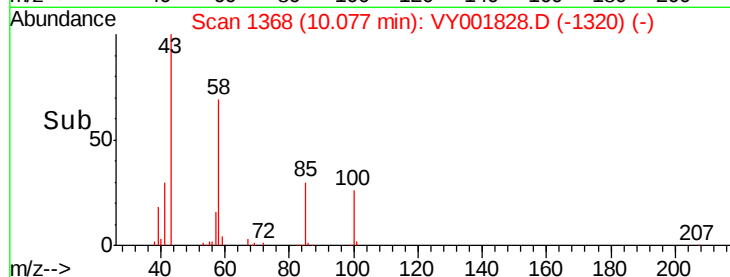
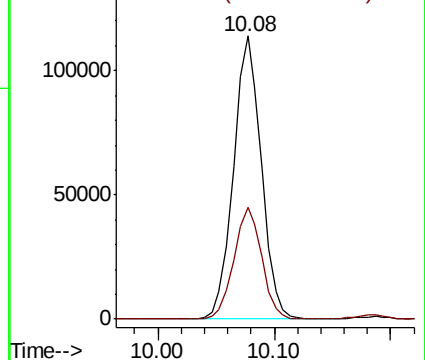
43 100

58 39.5 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 19.858 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001828.D

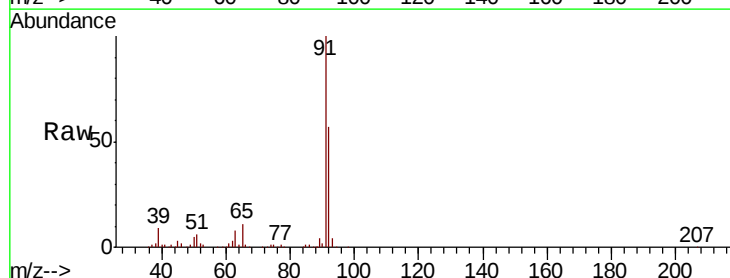
Acq: 03 Mar 2020 12:47

Tgt Ion: 92 Resp: 111202

Ion Ratio Lower Upper

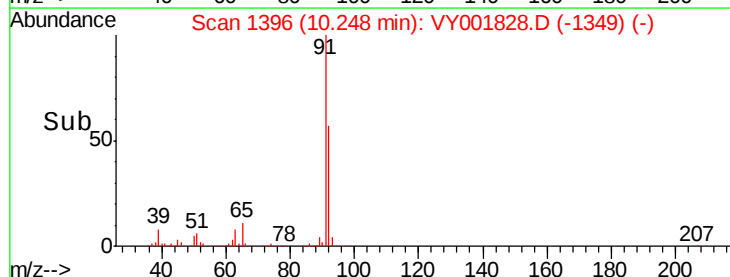
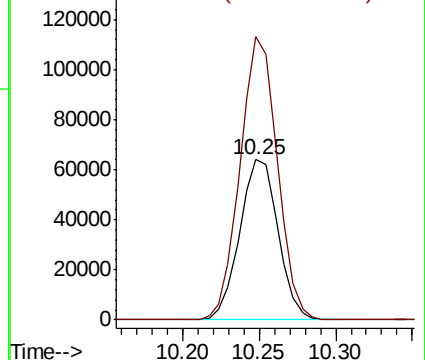
92 100

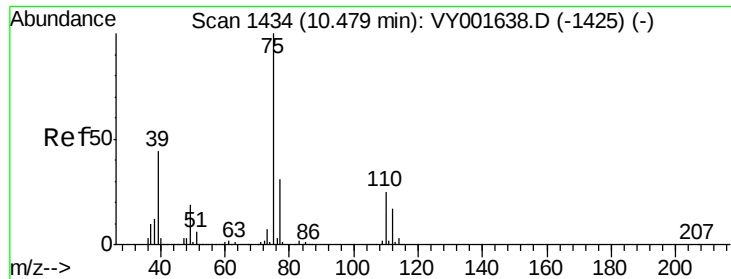
91 172.5 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 19.697 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

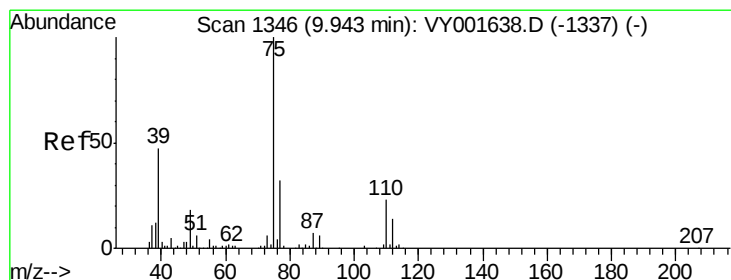
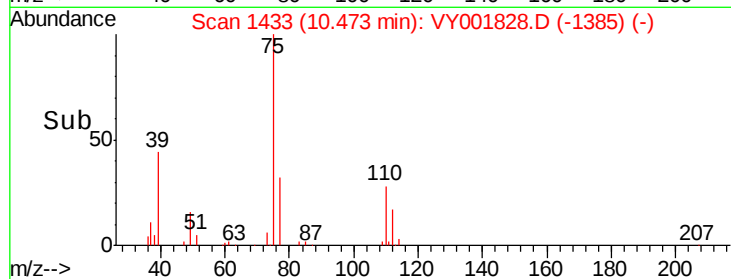
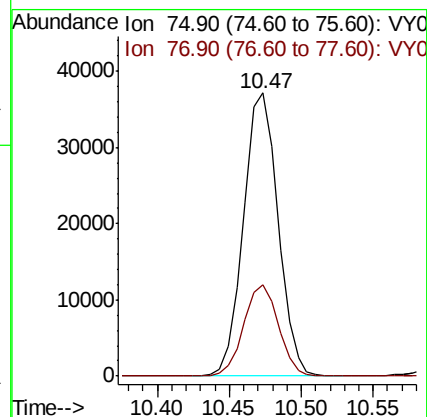
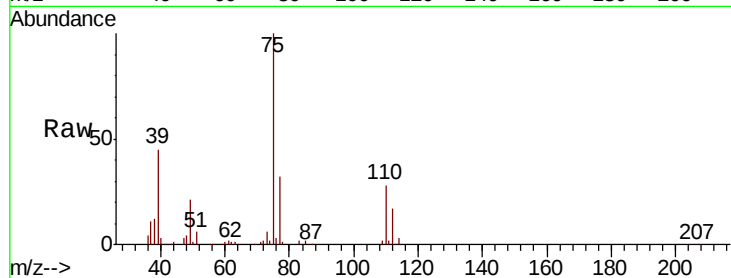
VY0303SBS01

Tot Ion: 75 Resp: 61801

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.241 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

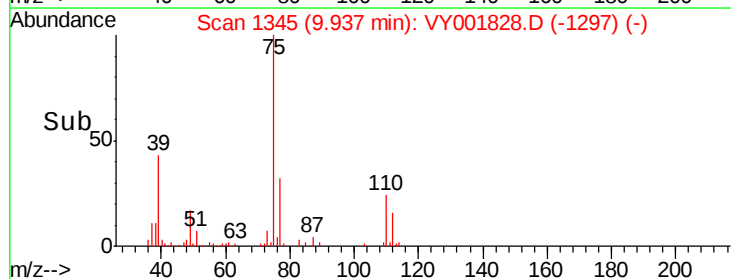
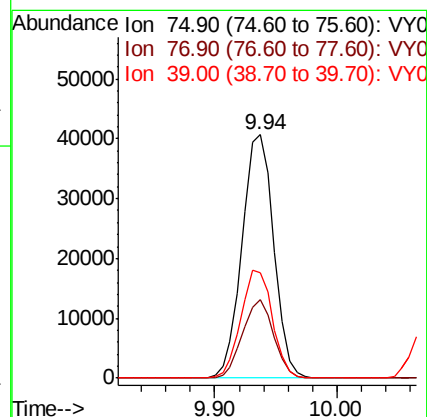
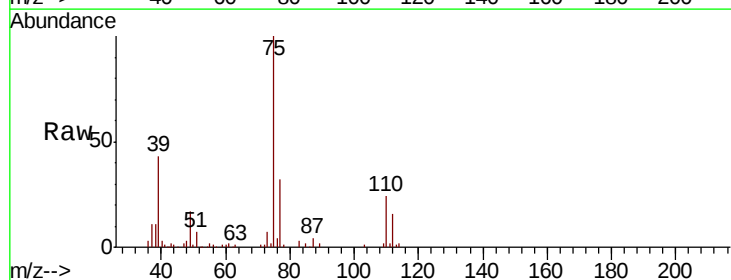
Tgt Ion: 75 Resp: 73095

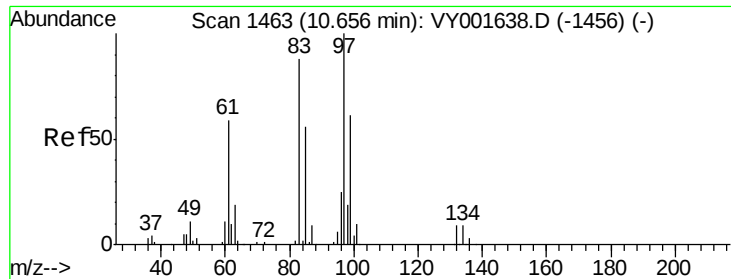
Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 43.4 35.7 53.5

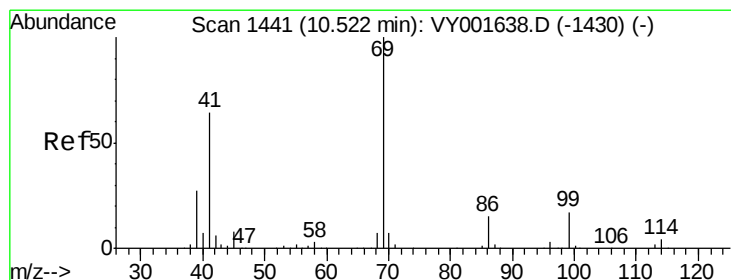
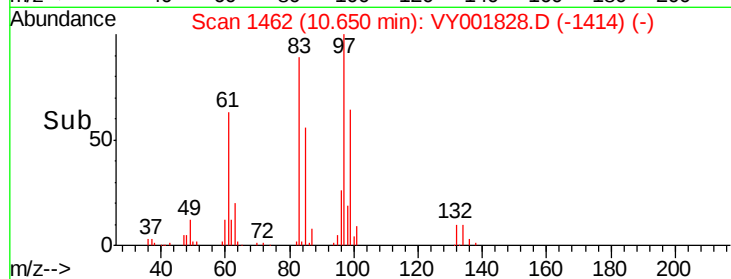
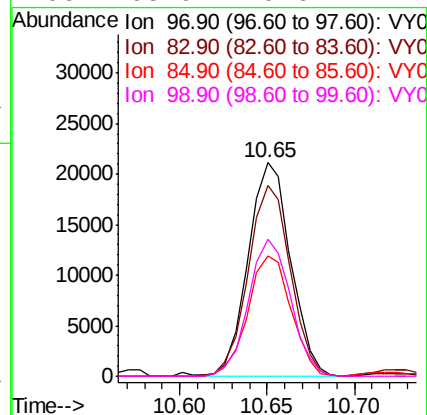
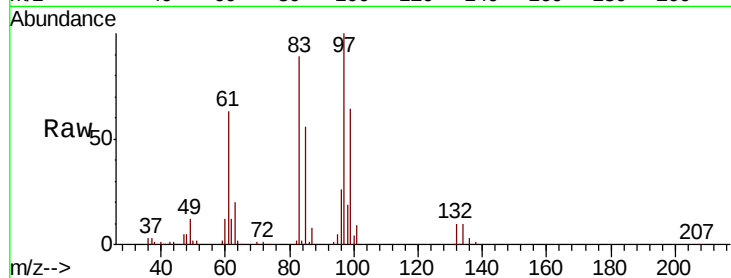




#55
 1,1,2-Trichloroethane
 Concen: 20.590 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

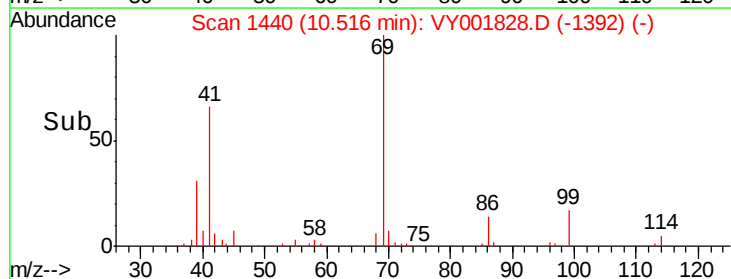
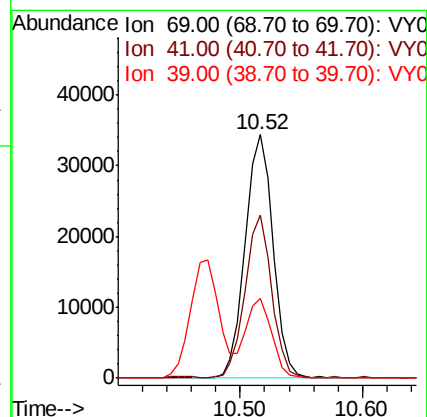
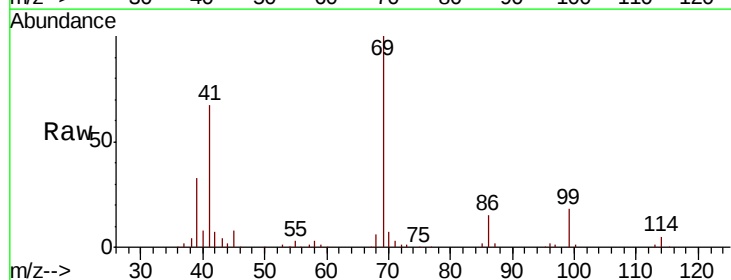
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

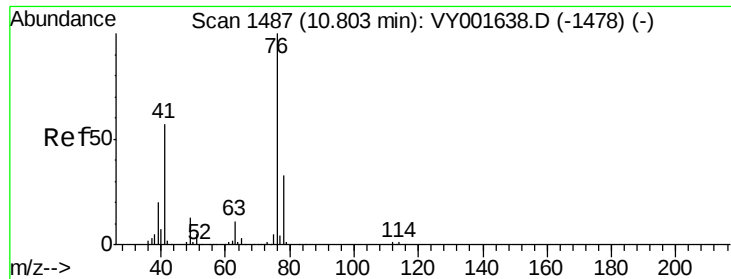
Tot Ion: 97 Resp: 35704
 Ion Ratio Lower Upper
 97 100
 83 89.1 69.7 104.5
 85 56.2 44.5 66.7
 99 63.9 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 20.956 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion: 69 Resp: 54514
 Ion Ratio Lower Upper
 69 100
 41 63.4 51.0 76.4
 39 29.6 24.7 37.1

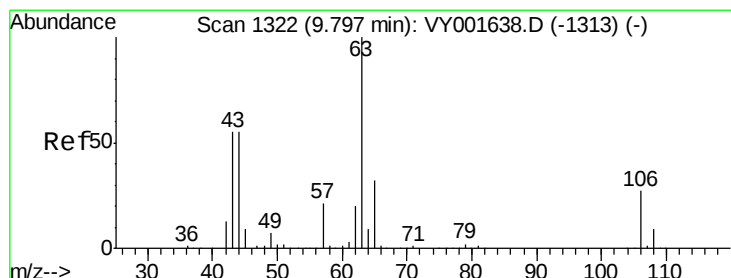
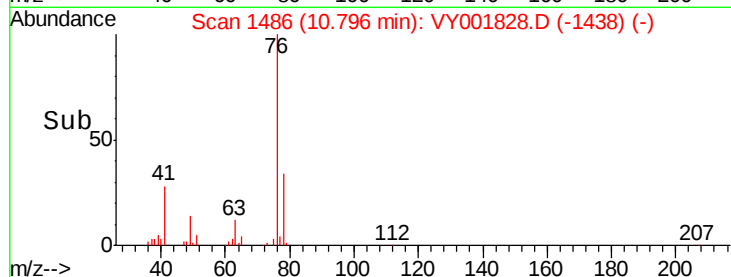
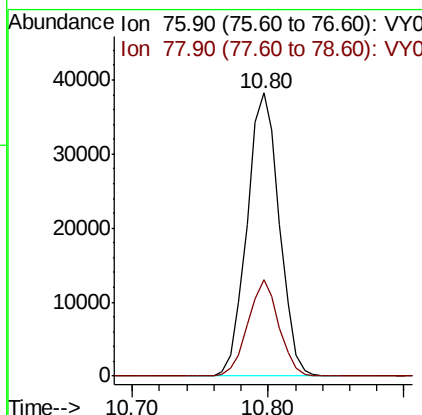
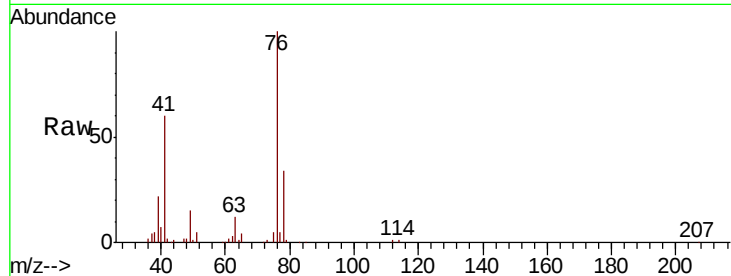




#57
 1,3-Dichloropropane
 Concen: 20.675 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

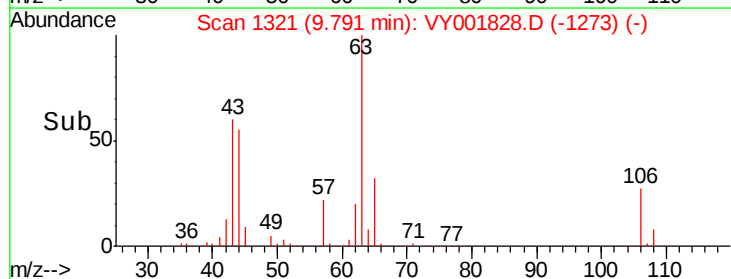
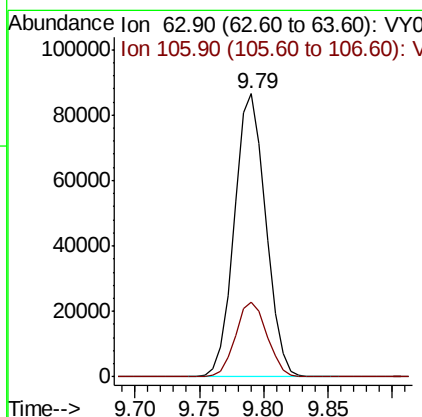
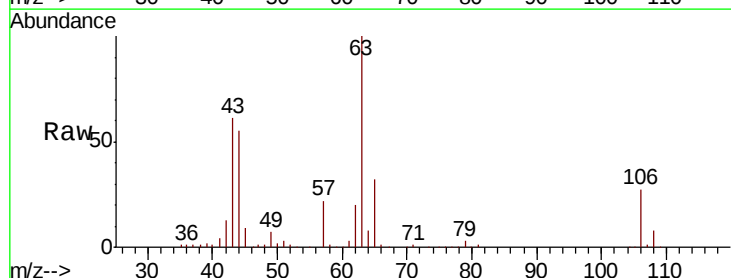
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

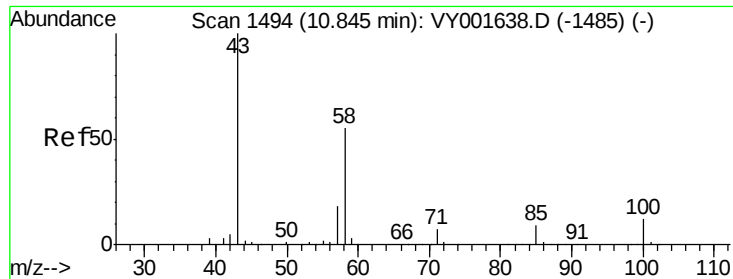
Tot Ion: 76 Resp: 63700
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 141.026 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion: 63 Resp: 146119
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4

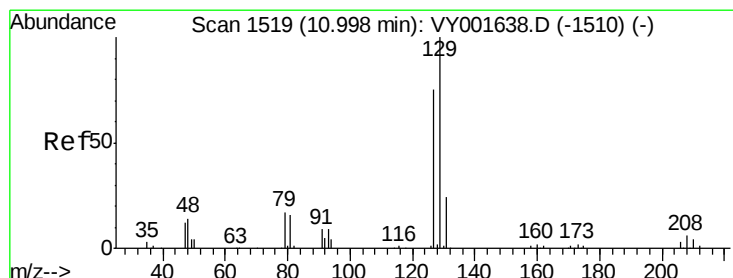
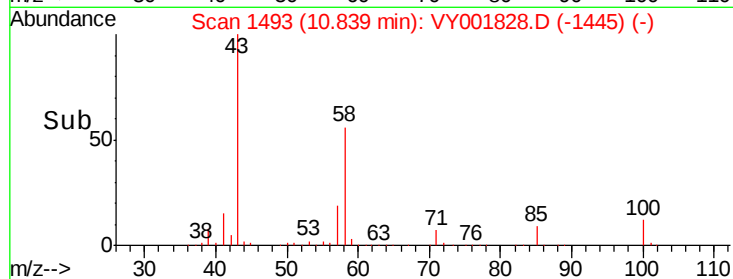
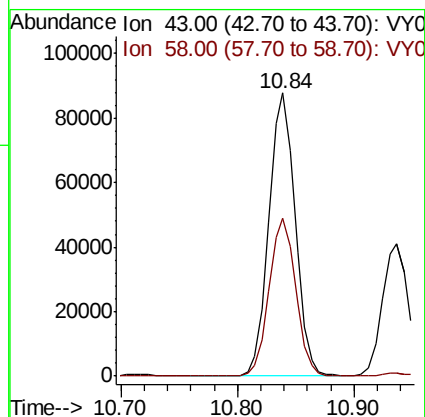
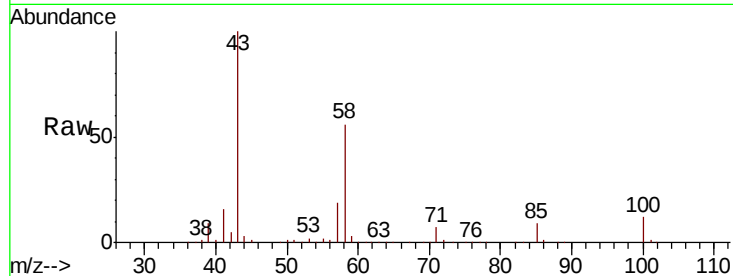




#59
2-Hexanone
Concen: 102.574 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

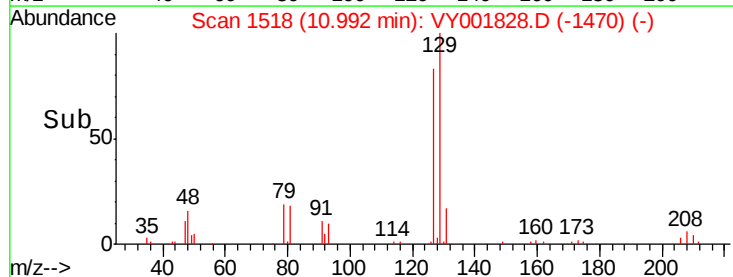
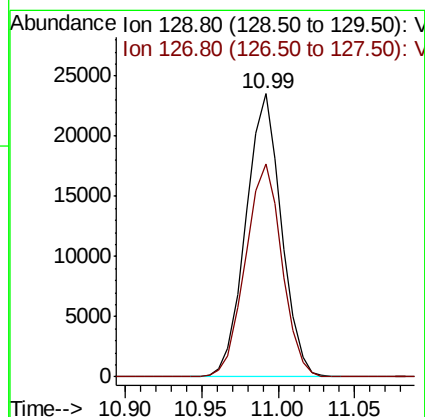
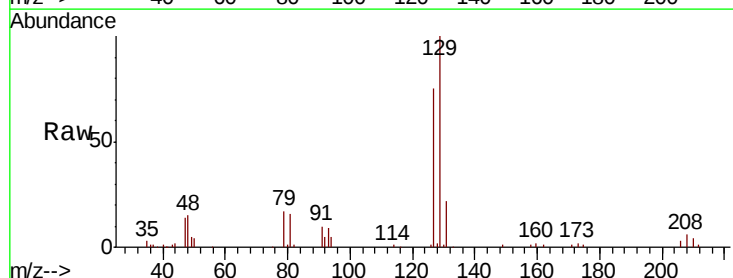
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBSD01

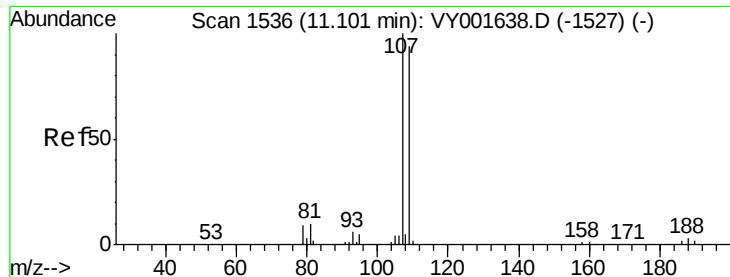
Tot Ion: 43 Resp: 136691
Ion Ratio Lower Upper
43 100
58 56.4 28.4 85.2



#60
Dibromochloromethane
Concen: 19.803 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion:129 Resp: 37858
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6

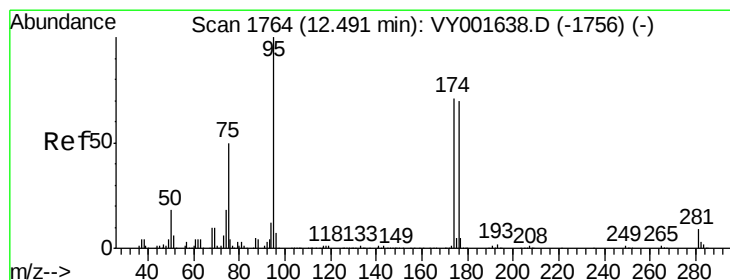
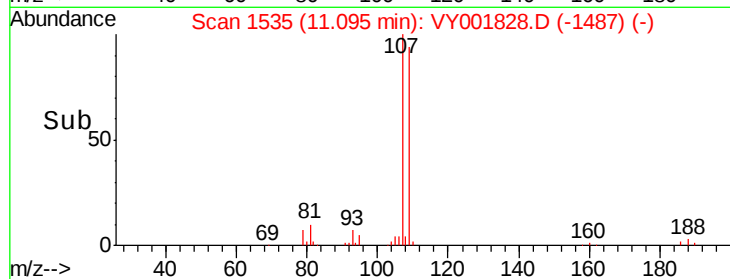
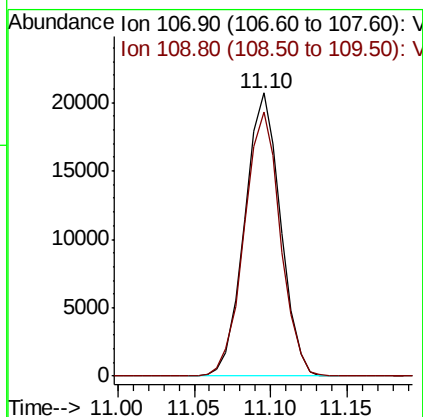
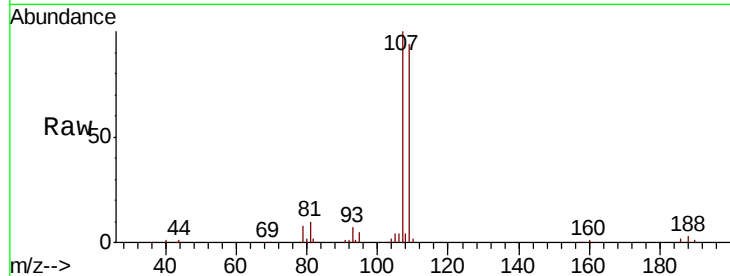




#61
 1,2-Dibromoethane
 Concen: 20.555 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

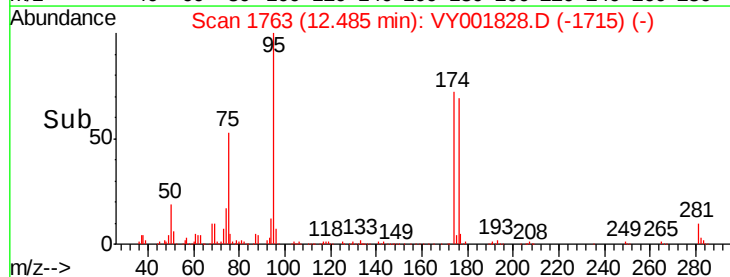
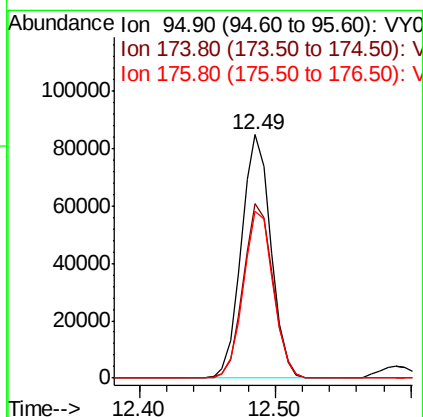
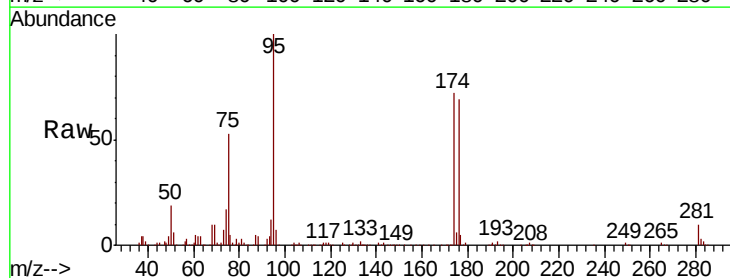
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

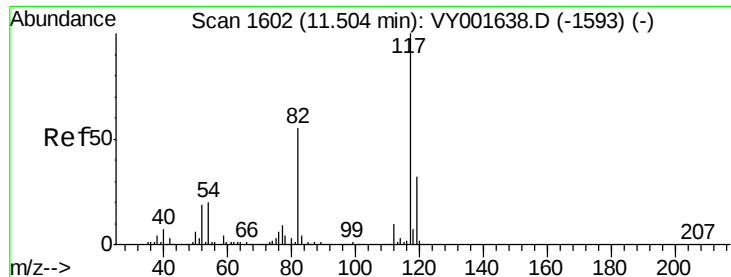
Tot Ion: 107 Resp: 33701
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 46.091 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion: 95 Resp: 128400
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 138.4
 176 69.6 0.0 131.8

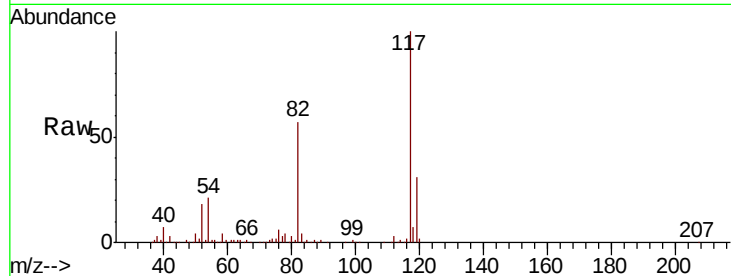




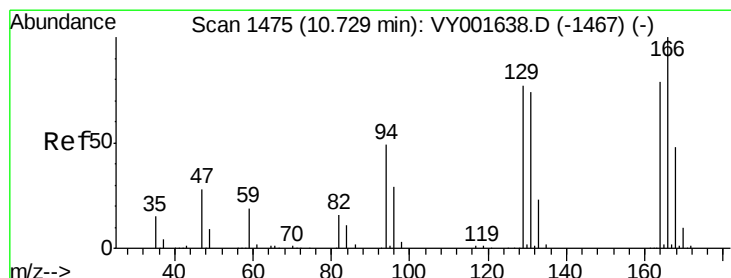
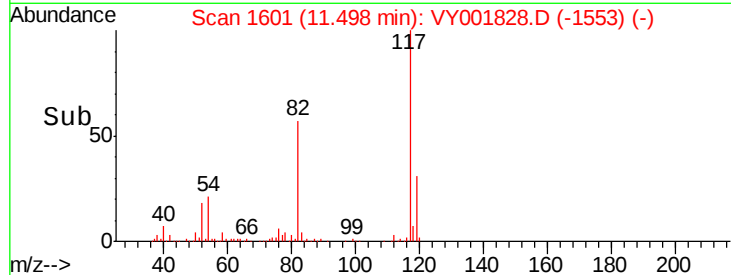
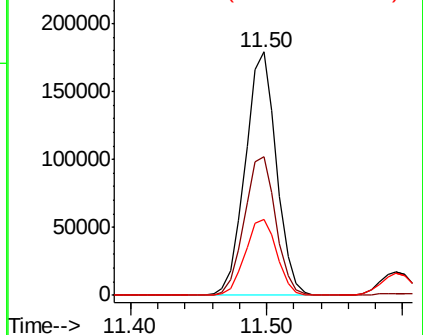
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion:117 Resp: 286953
Ion Ratio Lower Upper
117 100
82 57.2 45.5 68.3
119 31.2 25.8 38.6

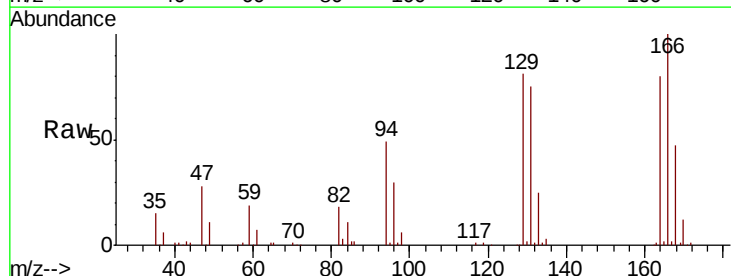


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

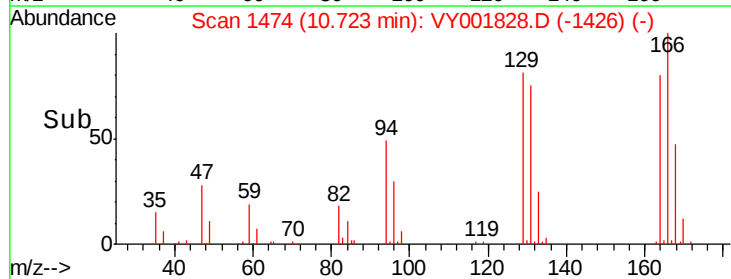
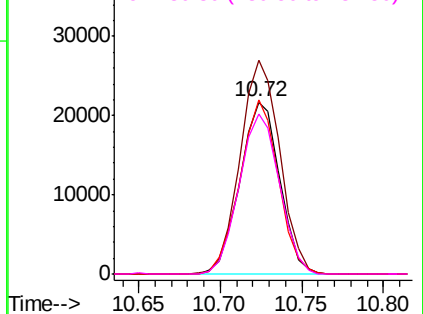


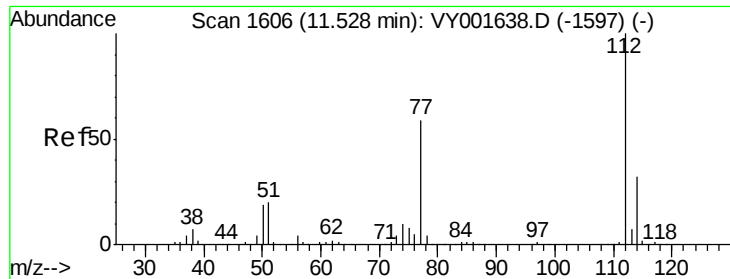
#64
Tetrachloroethene
Concen: 20.404 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion:164 Resp: 36755
Ion Ratio Lower Upper
164 100
166 124.5 101.4 152.0
129 101.4 78.7 118.1
131 93.3 76.0 114.0



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

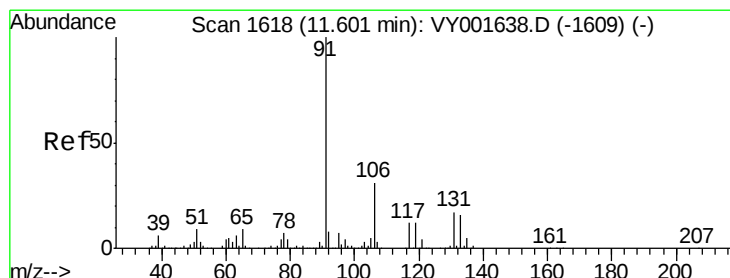
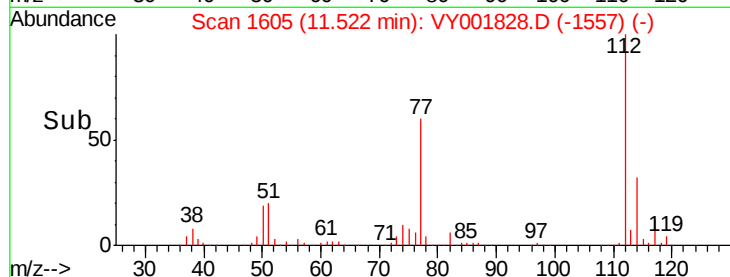
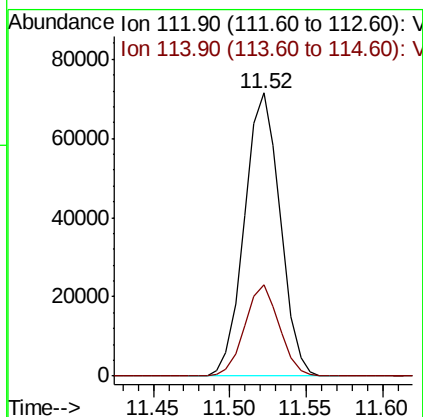
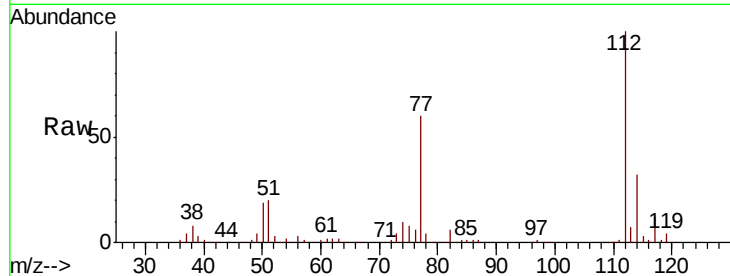




#65
Chlorobenzene
Concen: 20.255 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

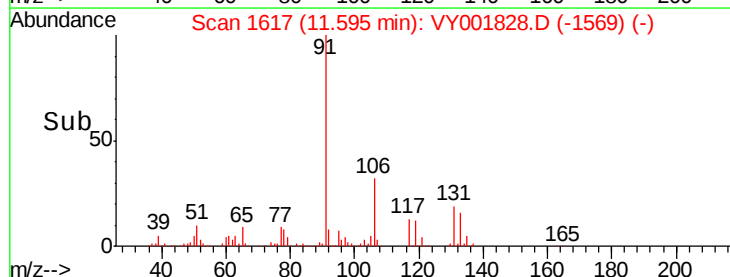
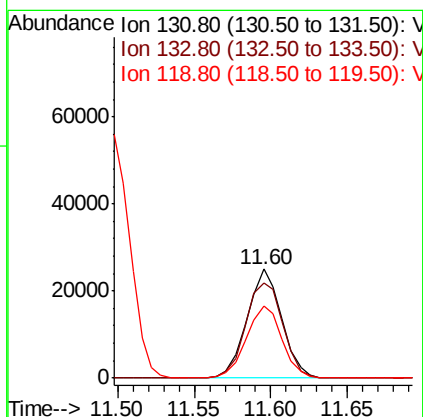
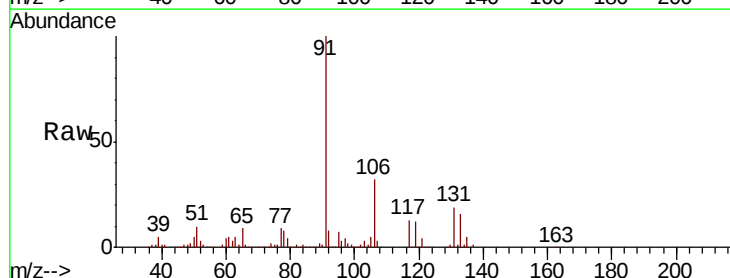
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

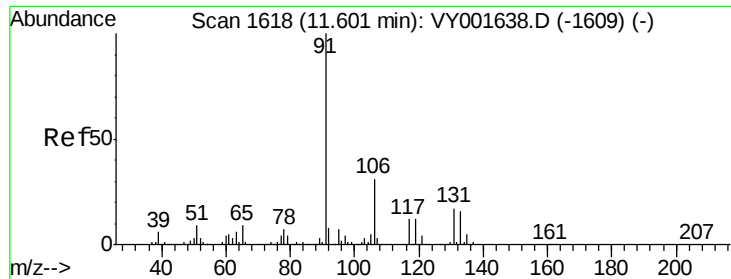
Tot Ion:112 Resp: 116039
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.355 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion:131 Resp: 39338
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 67.9 34.4 103.1

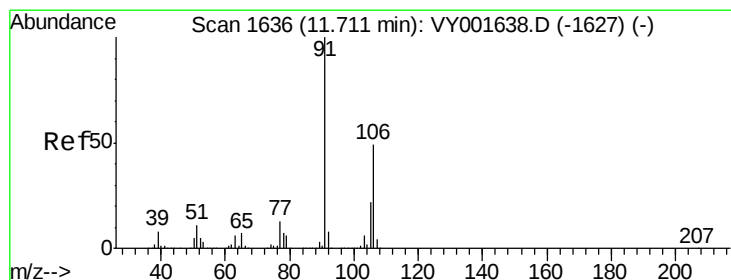
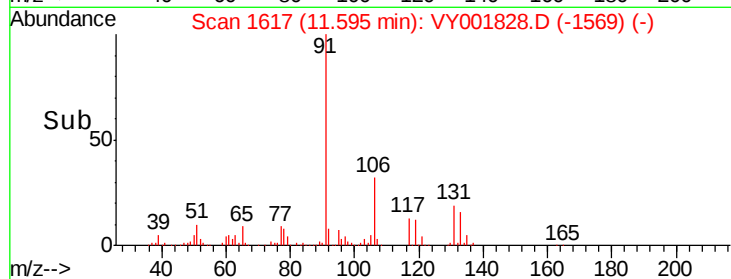
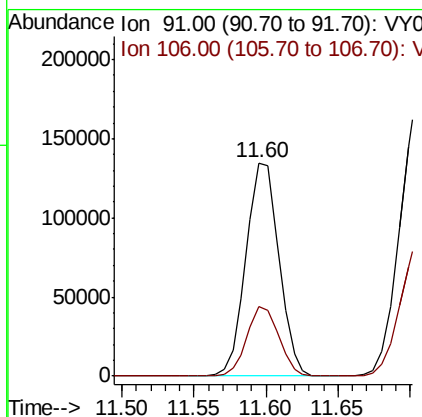
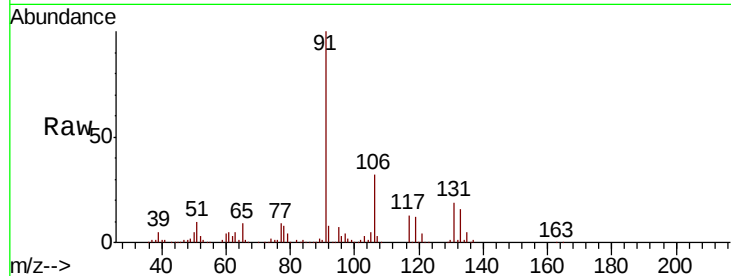




#67
Ethyl Benzene
Concen: 20.067 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

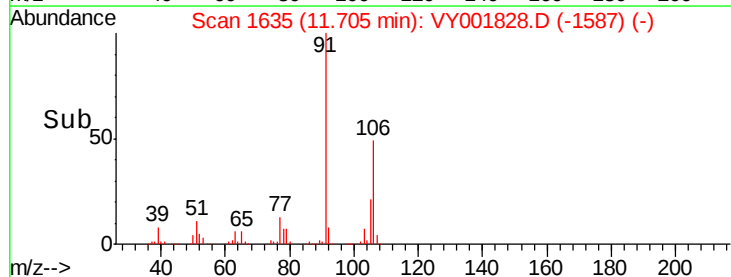
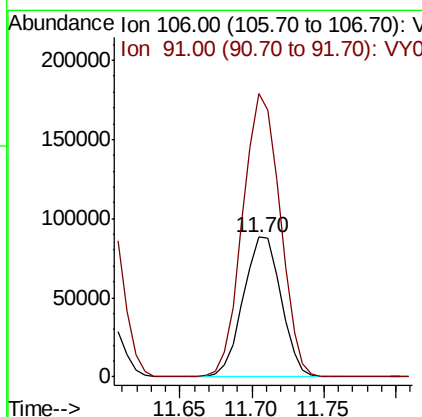
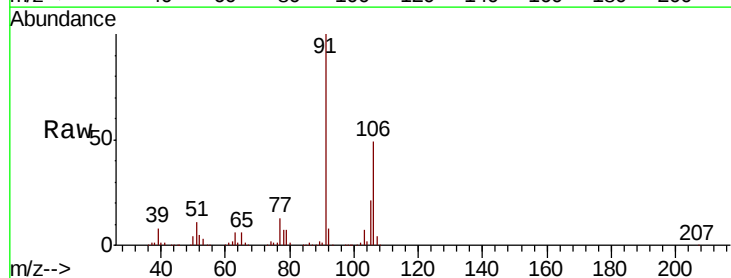
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

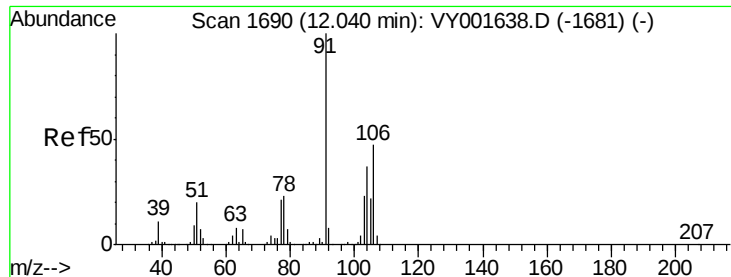
Tot Ion: 91 Resp: 213350
Ion Ratio Lower Upper
91 100
106 32.4 24.5 36.7



#68
m/p-Xylenes
Concen: 40.486 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 106 Resp: 160787
Ion Ratio Lower Upper
106 100
91 200.9 163.3 244.9

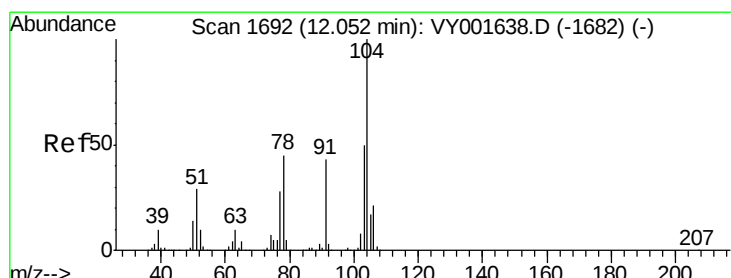
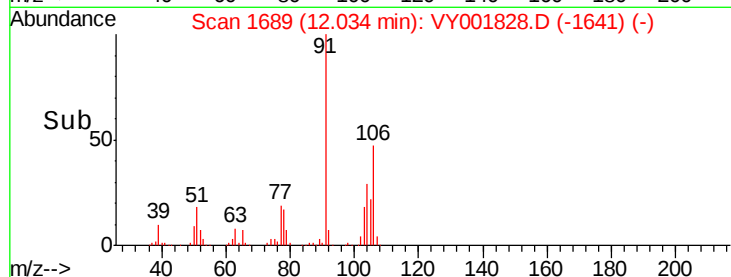
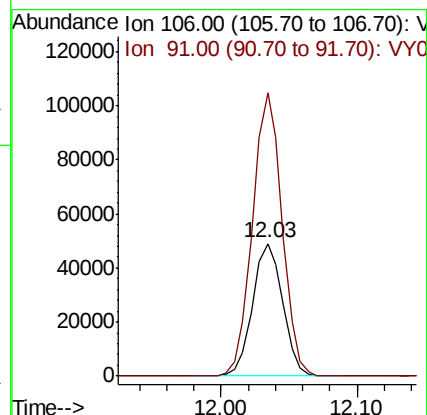
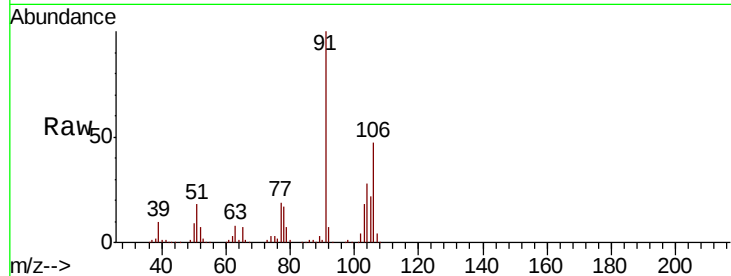




#69
o-Xylene
Concen: 20.209 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

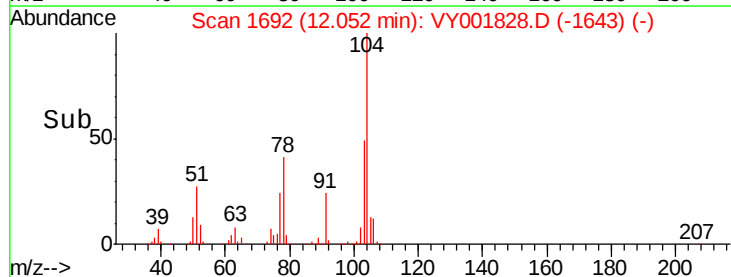
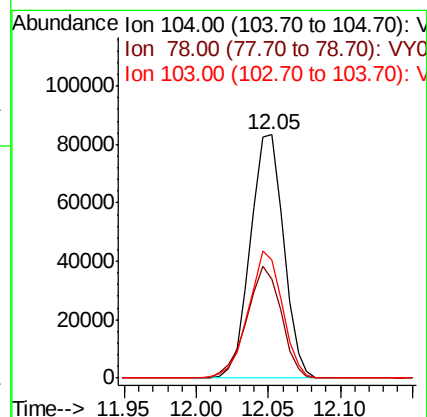
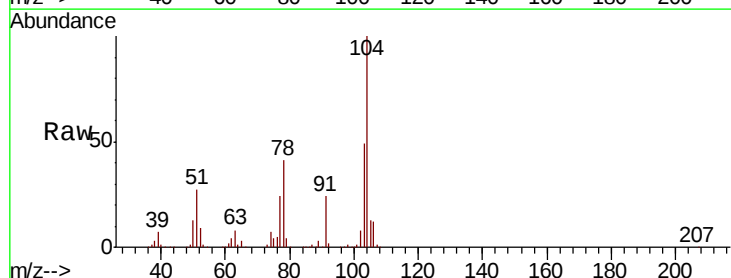
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBSD01

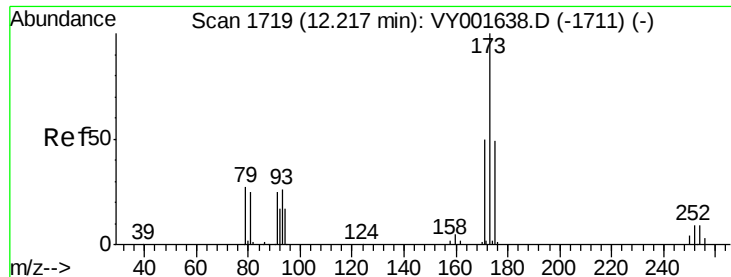
Tot Ion:106 Resp: 76299
Ion Ratio Lower Upper
106 100
91 209.4 108.3 324.9



#70
Styrene
Concen: 20.235 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion:104 Resp: 132778
Ion Ratio Lower Upper
104 100
78 47.8 39.2 58.8
103 53.5 43.0 64.6





#71

Bromoform

Concen: 19.842 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.00 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

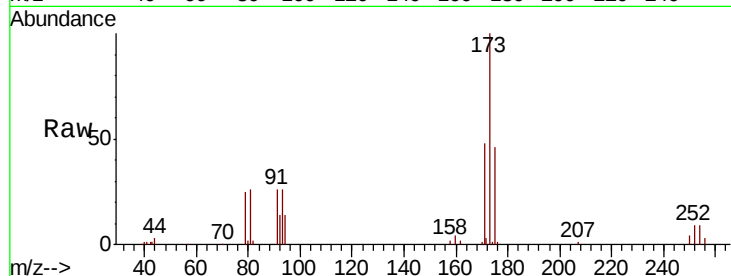
Tot Ion:173 Resp: 21914

Ion Ratio Lower Upper

173 100

175 45.7 24.3 73.0

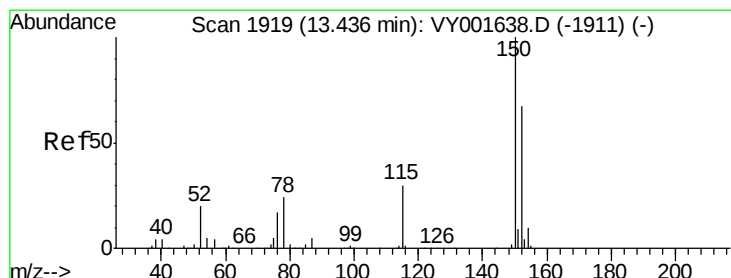
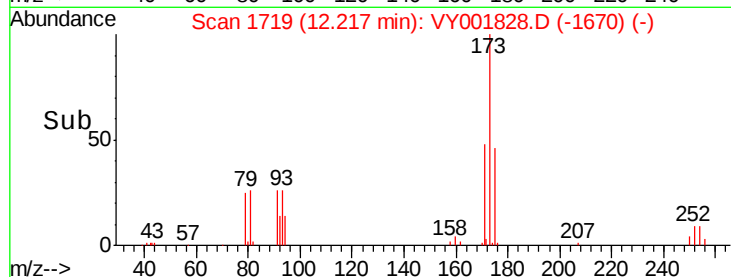
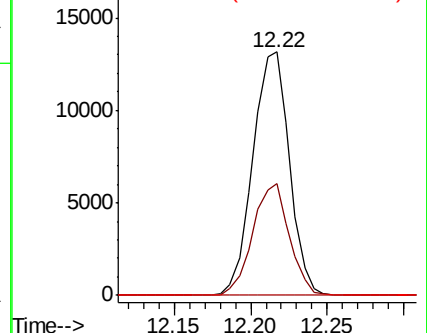
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

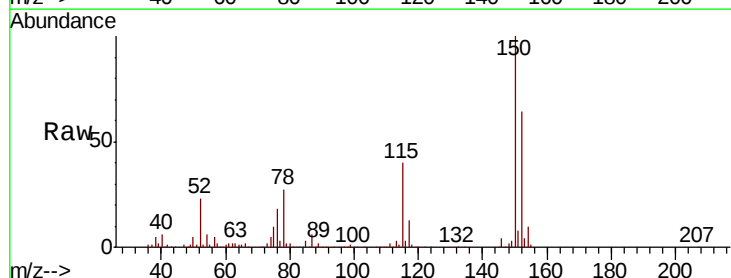
Tgt Ion:152 Resp: 138128

Ion Ratio Lower Upper

152 100

115 61.2 31.4 94.2

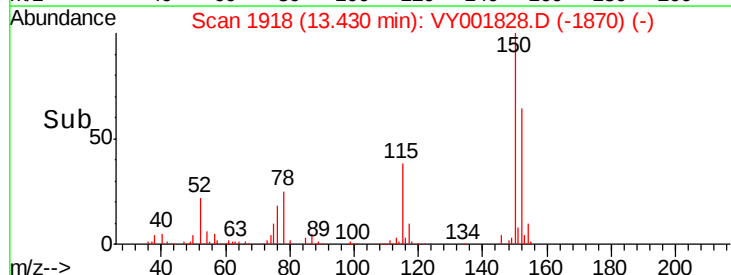
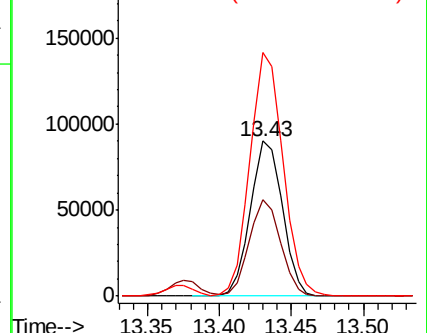
150 162.9 0.0 407.2

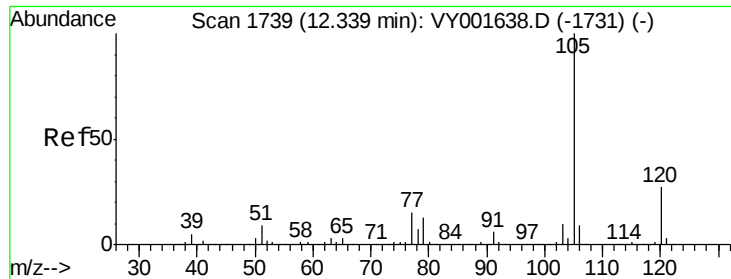


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

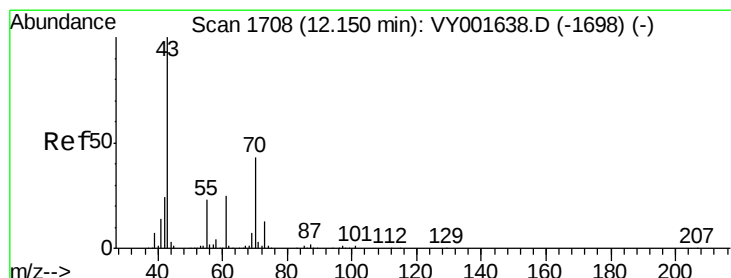
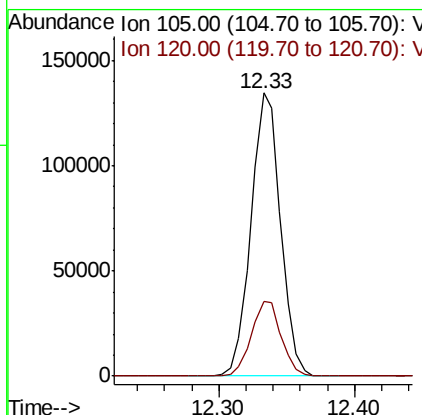
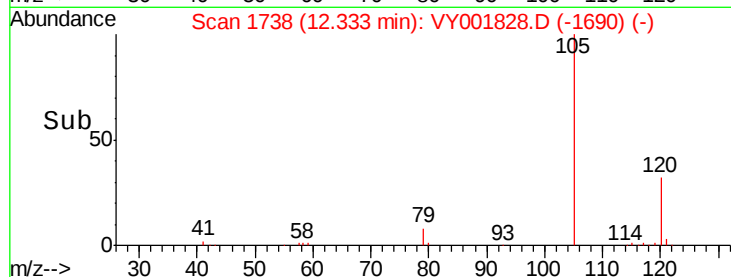
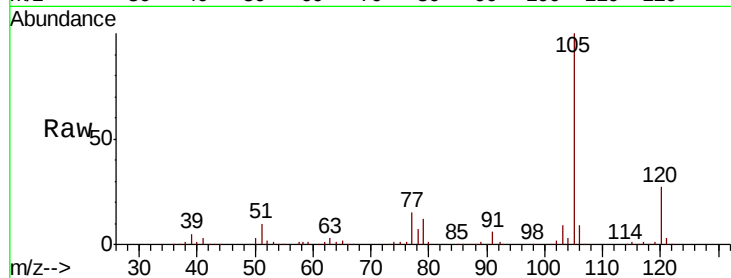




#73
Isopropylbenzene
Concen: 19.470 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

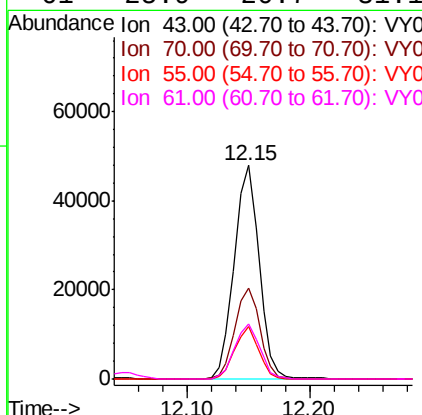
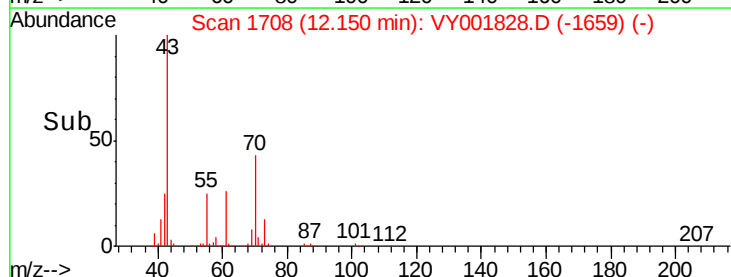
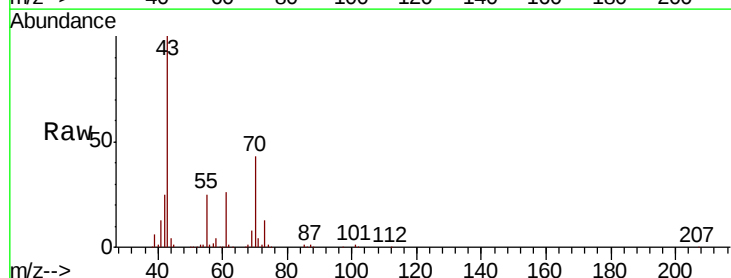
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

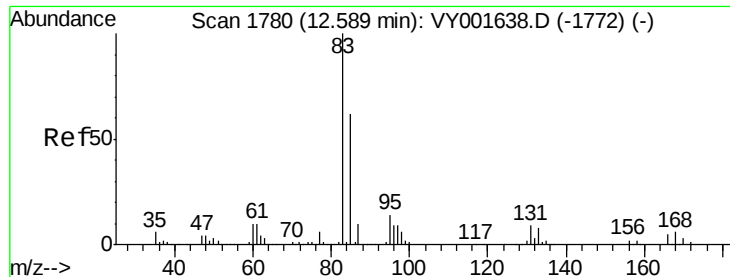
Tot Ion:105 Resp: 204885
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1



#74
N-ethyl acetate
Concen: 20.142 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 43 Resp: 67644
Ion Ratio Lower Upper
43 100
70 42.5 35.9 53.9
55 23.6 18.3 27.5
61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.521 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

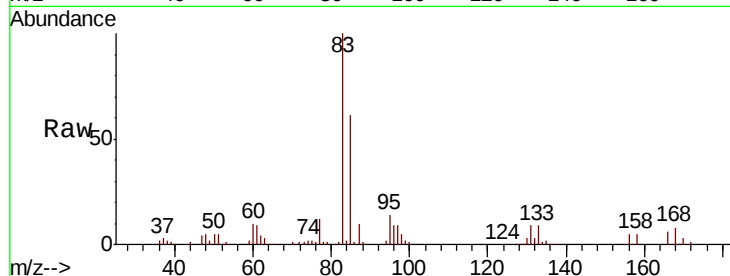
Tot Ion: 83 Resp: 46108

Ion Ratio Lower Upper

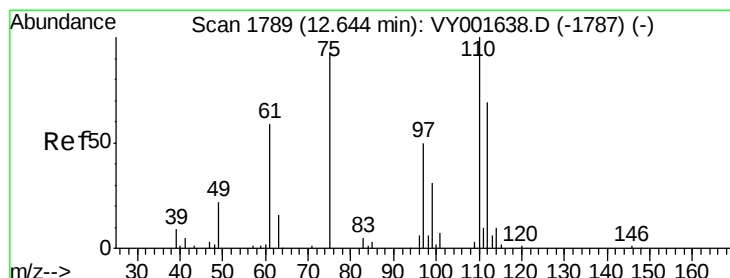
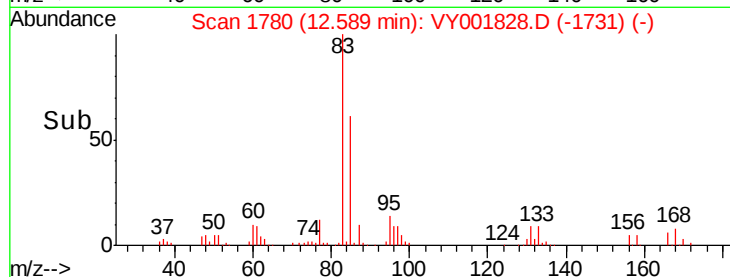
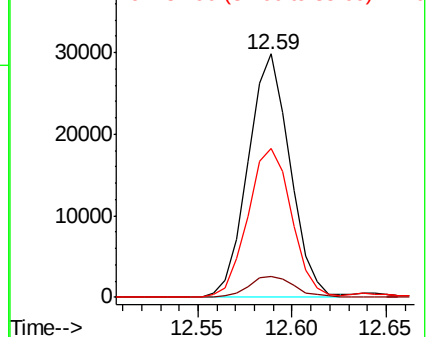
83 100

131 9.5 4.7 14.1

85 63.8 31.6 94.7



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: 37.546 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY001828.D

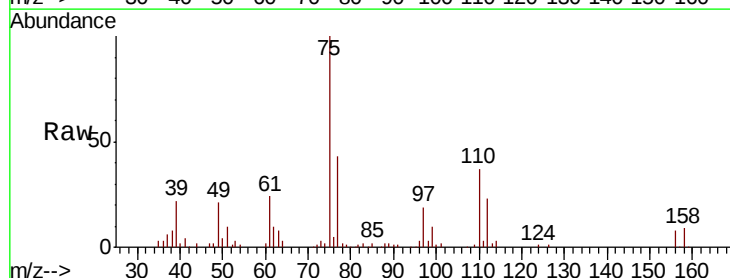
Acq: 03 Mar 2020 12:47

Tgt Ion: 75 Resp: 59492

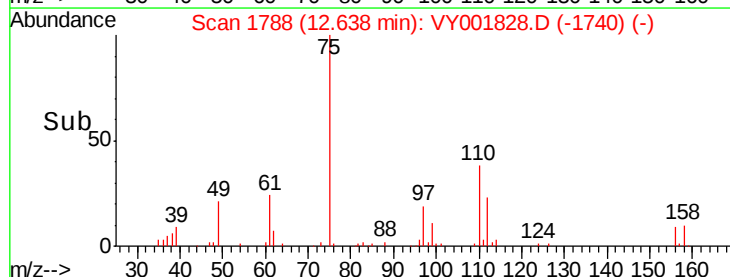
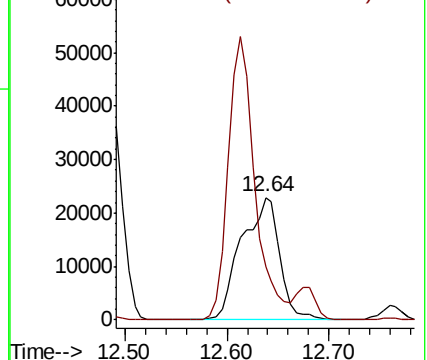
Ion Ratio Lower Upper

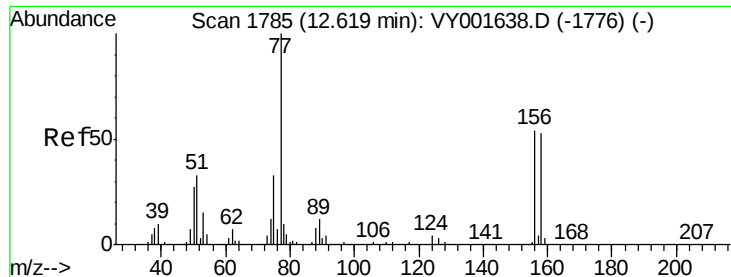
75 100

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: 19.393 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBSD01

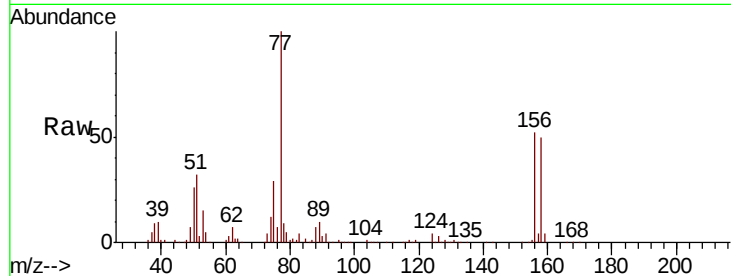
Tot Ion:156 Resp: 44238

Ion Ratio Lower Upper

156 100

77 217.5 110.1 330.1

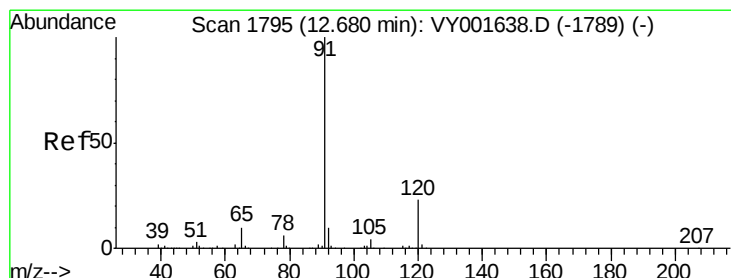
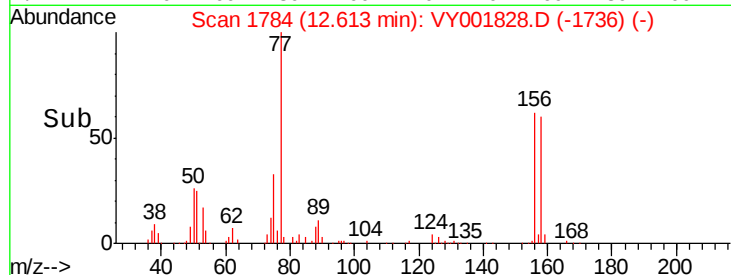
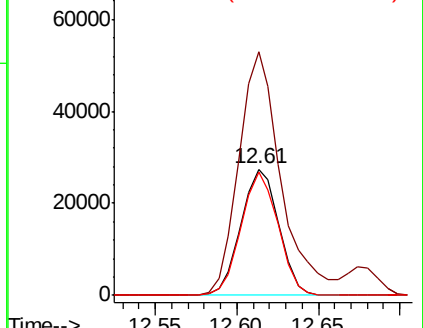
158 95.7 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.887 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001828.D

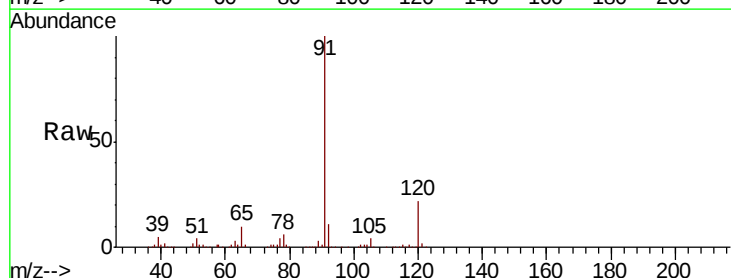
Acq: 03 Mar 2020 12:47

Tgt Ion: 91 Resp: 254868

Ion Ratio Lower Upper

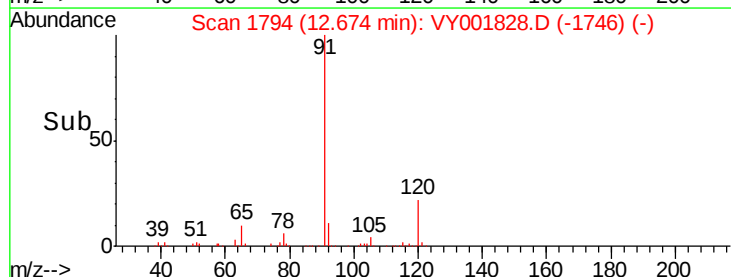
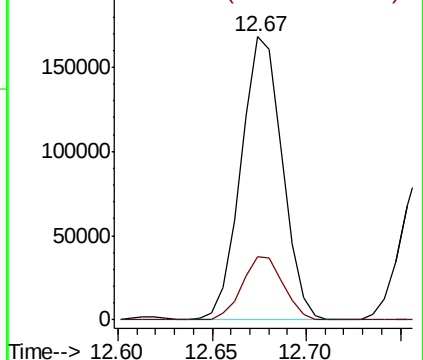
91 100

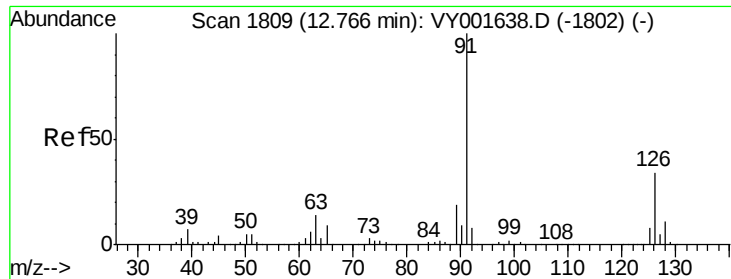
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

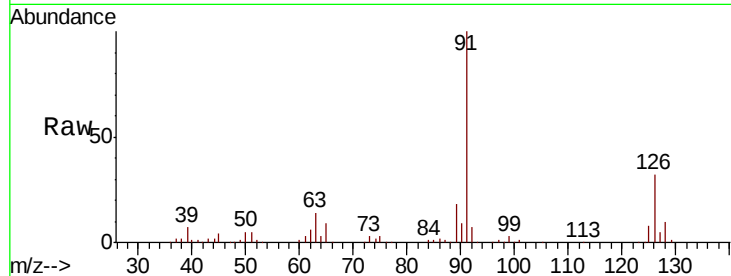




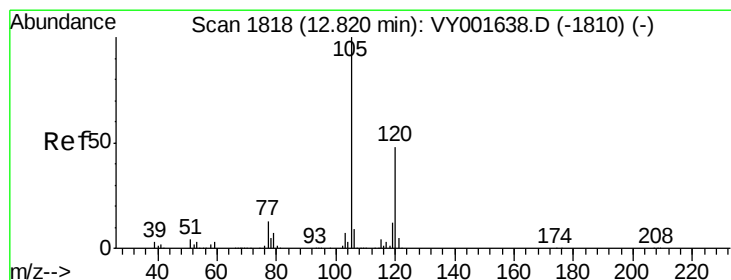
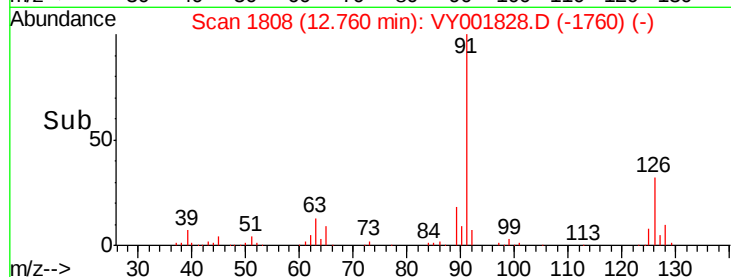
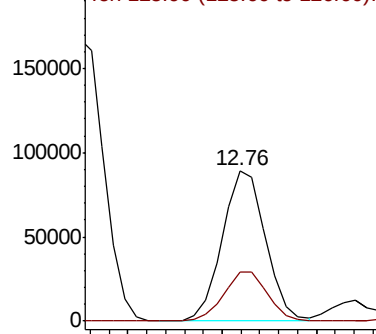
#79
 2-Chlorotoluene
 Concen: 19.678 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Tot Ion: 91 Resp: 141442
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.2 48.6

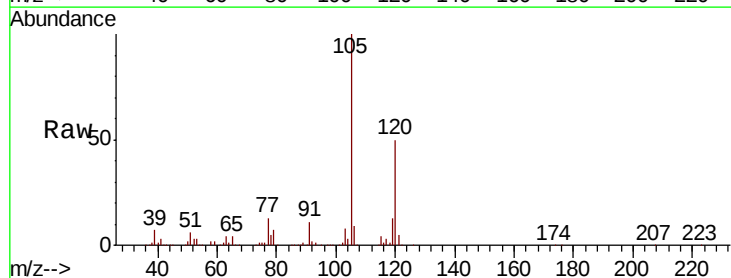


Abundance Ion 91.00 (90.70 to 91.70): VY0
 Ion 125.90 (125.60 to 126.60): V

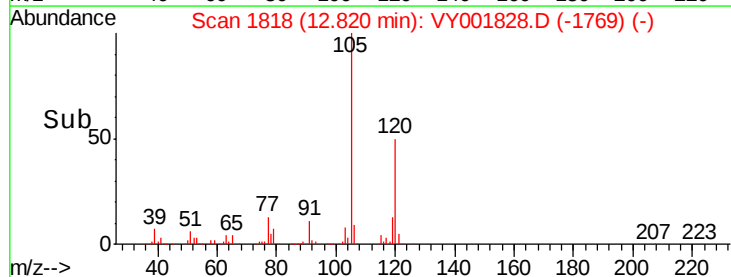
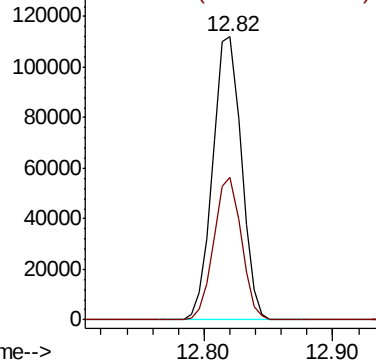


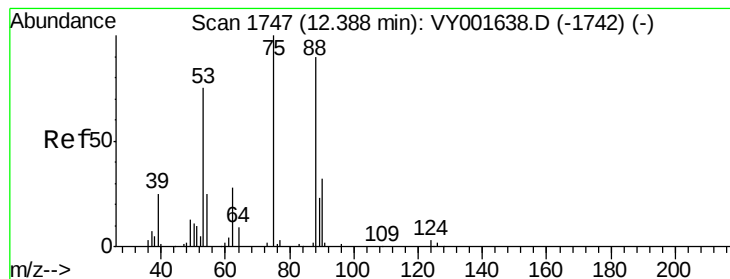
#80
 1,3,5-Trimethylbenzene
 Concen: 19.830 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion:105 Resp: 172729
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.813 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0303SBS01

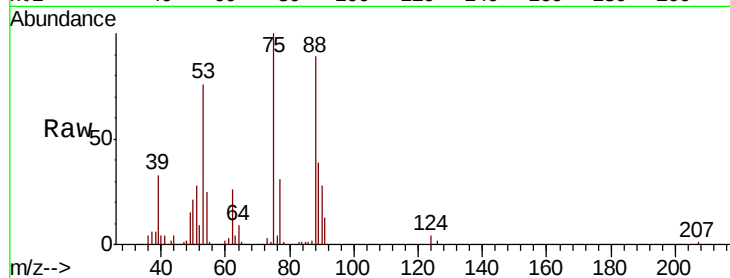
Tot Ion: 75 Resp: 16548

Ion Ratio Lower Upper

75 100

53 83.8 64.5 96.7

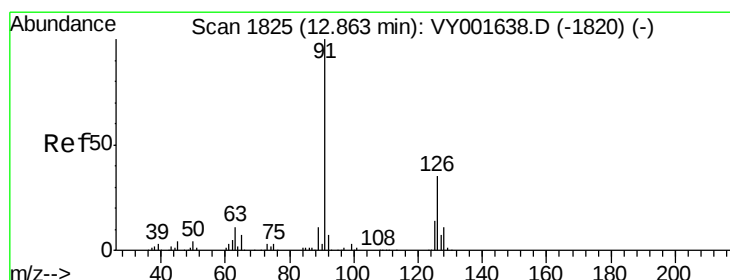
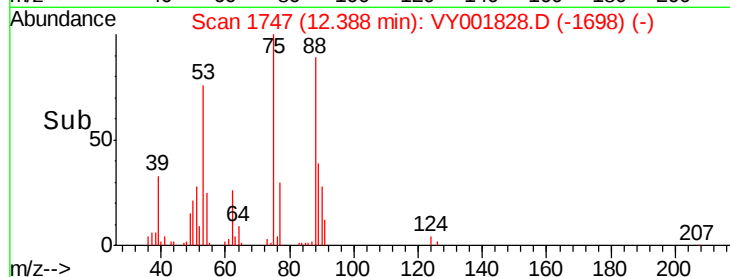
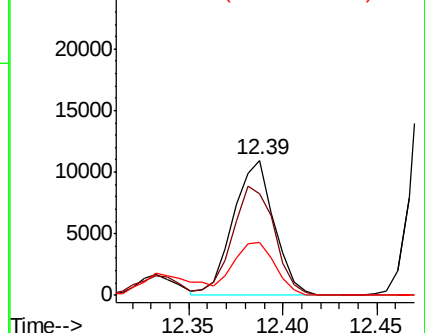
89 40.1 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 19.706 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001828.D

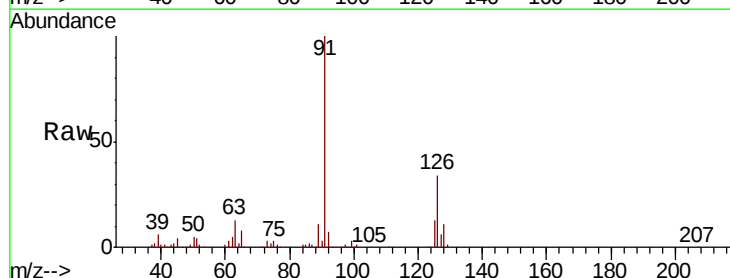
Acq: 03 Mar 2020 12:47

Tgt Ion: 91 Resp: 149393

Ion Ratio Lower Upper

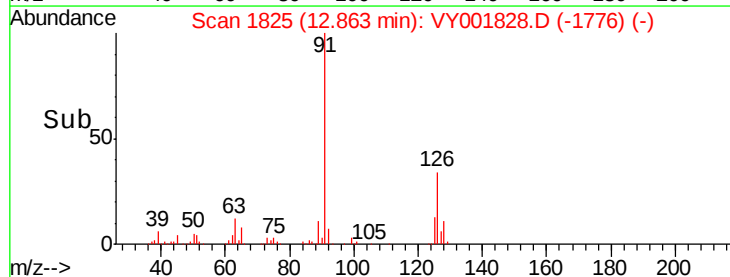
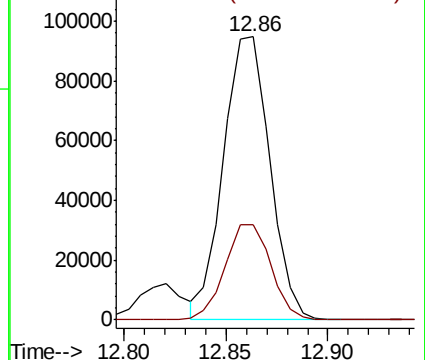
91 100

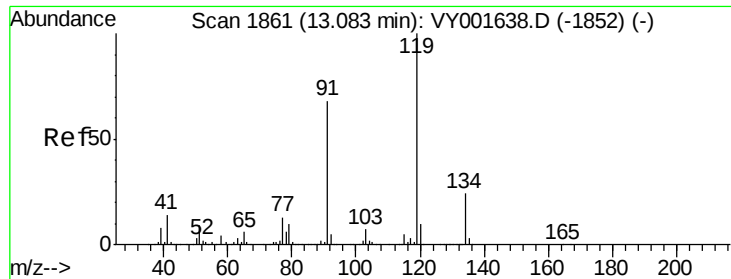
126 33.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

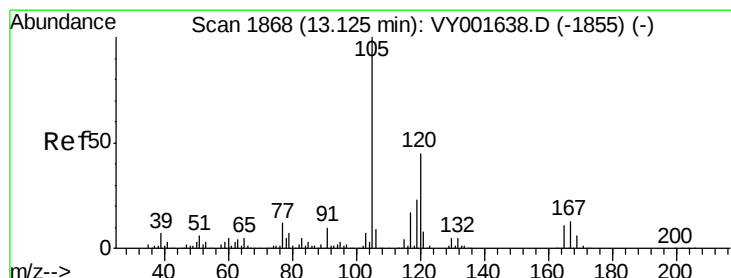
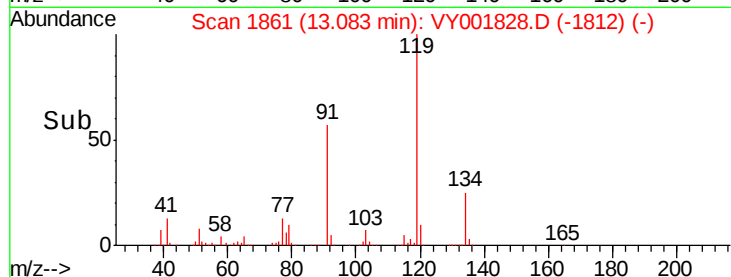
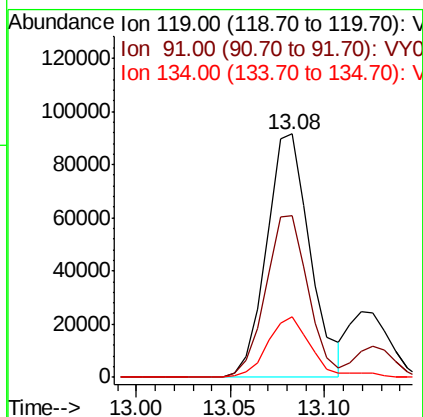
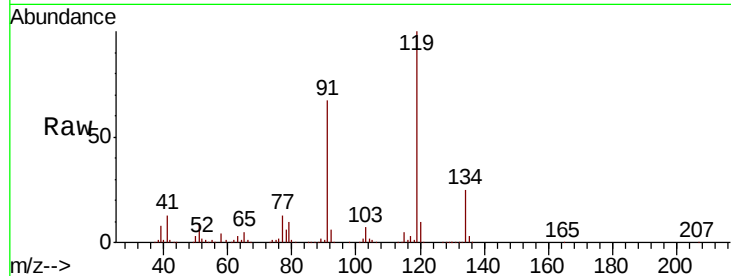




#83
 tert-Butylbenzene
 Concen: 20.164 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

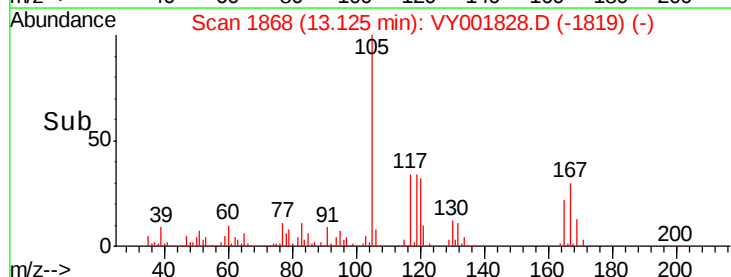
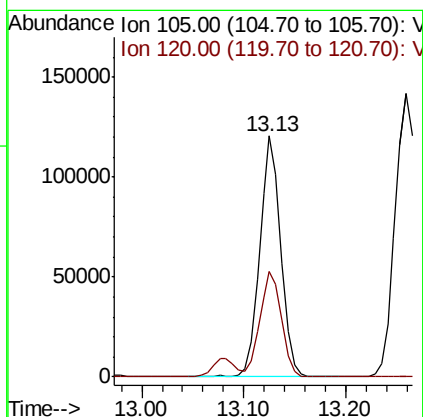
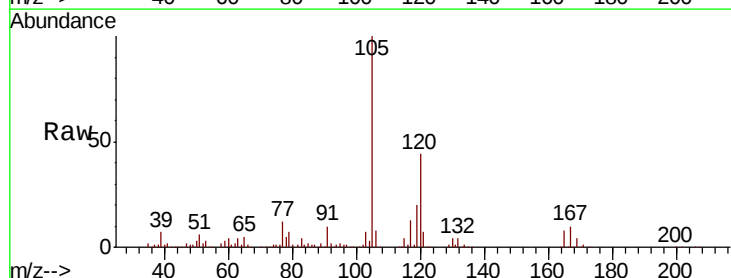
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

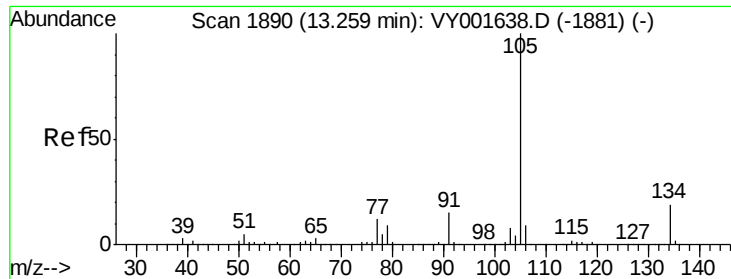
Tot Ion:119 Resp: 146898
 Ion Ratio Lower Upper
 119 100
 91 64.8 33.5 100.5
 134 25.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.993 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion:105 Resp: 173620
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.809 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

Instrument :

MSVOA_Y

ClientSampleId :

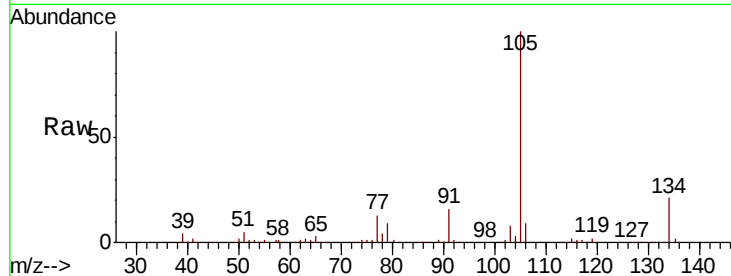
VY0303SBS01

Tot Ion:105 Resp: 212253

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

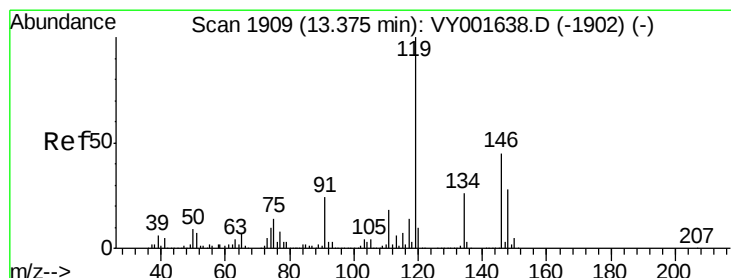
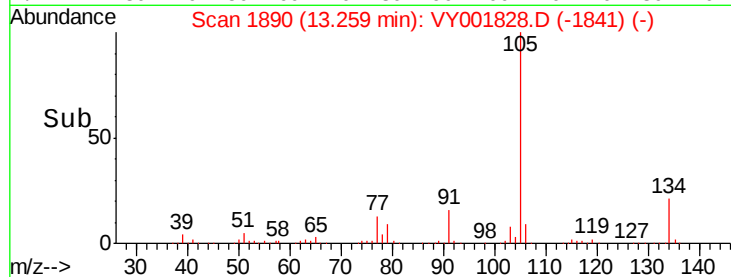
100000

50000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 19.772 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001828.D

Acq: 03 Mar 2020 12:47

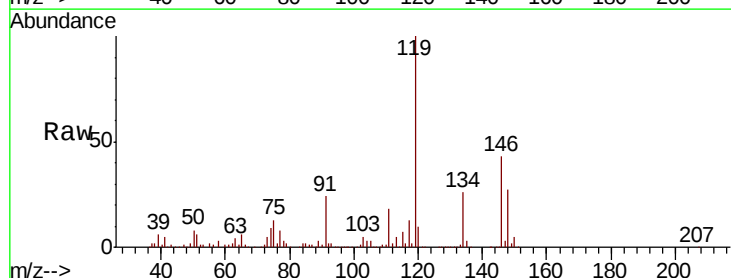
Tgt Ion:119 Resp: 184044

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.5 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

150000

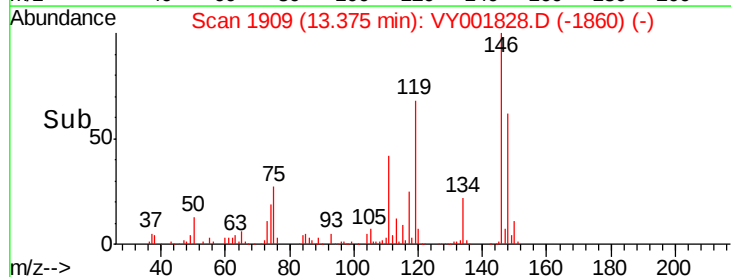
100000

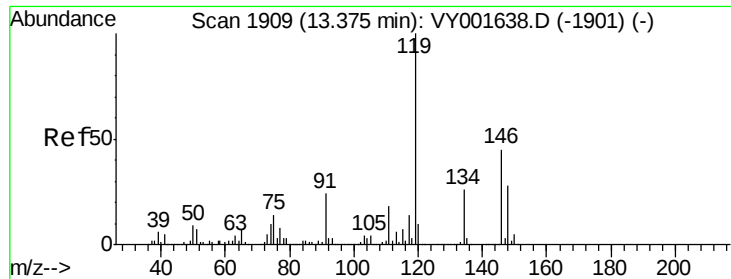
50000

0

13.30 13.35 13.40 13.45

Time-->

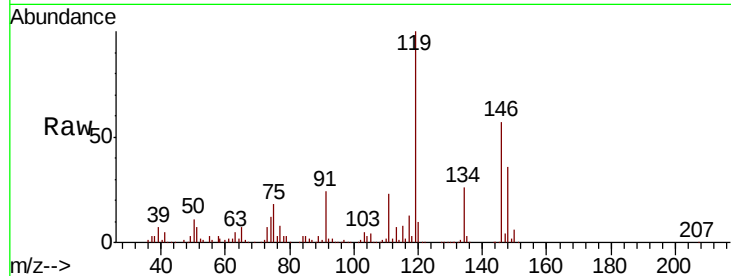




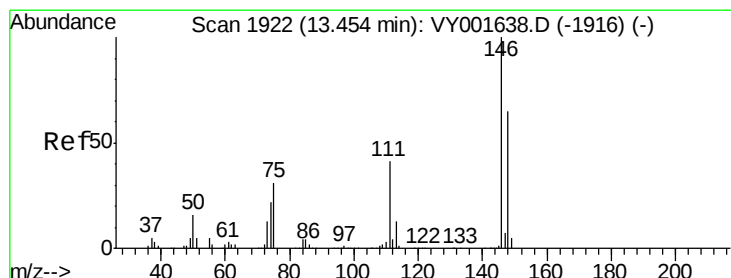
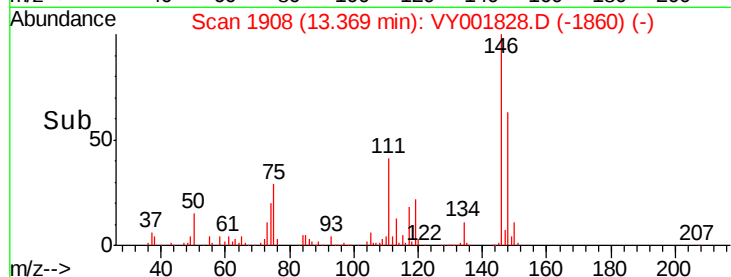
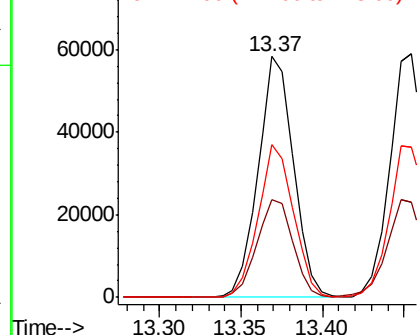
#87
 1,3-Dichlorobenzene
 Concen: 19.946 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBSD01

Tot Ion:146 Resp: 88244
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.4 64.3
 148 63.1 31.6 94.7

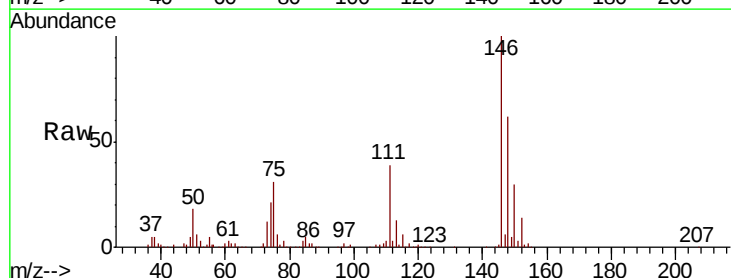


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

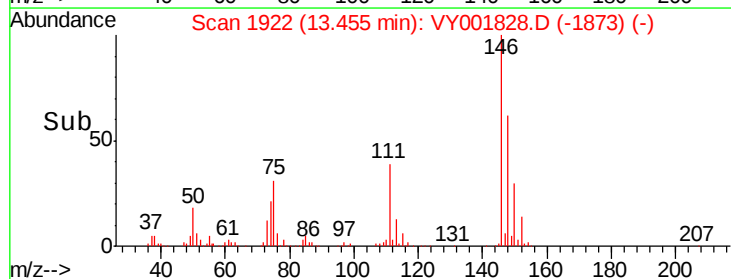
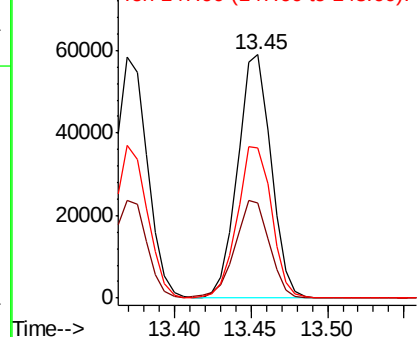


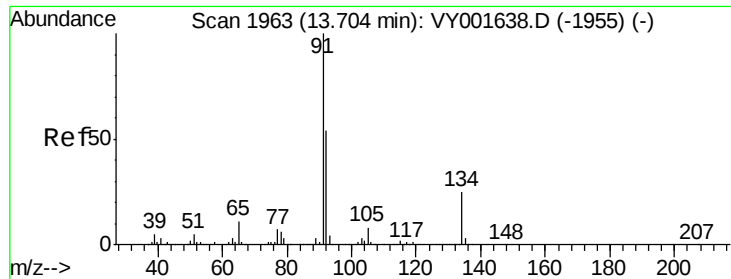
#88
 1,4-Dichlorobenzene
 Concen: 19.989 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion:146 Resp: 89391
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.4 61.3
 148 63.9 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

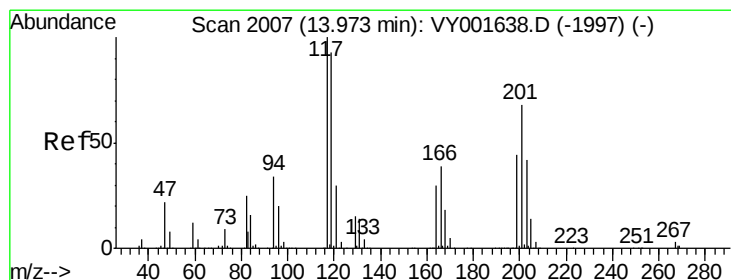
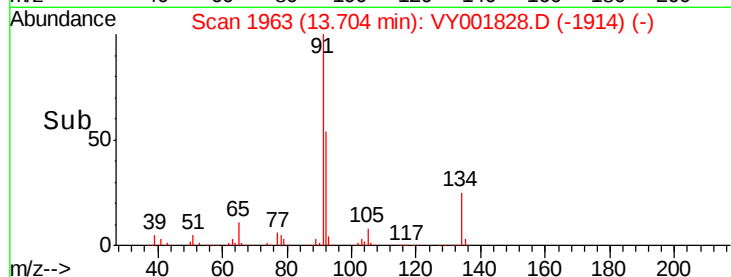
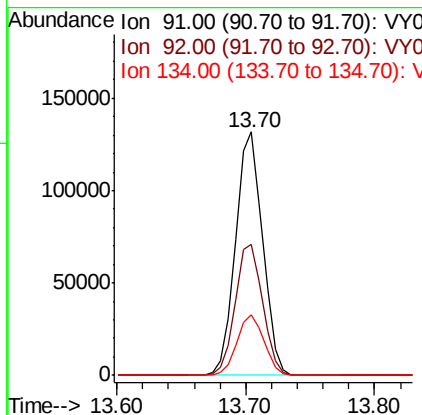
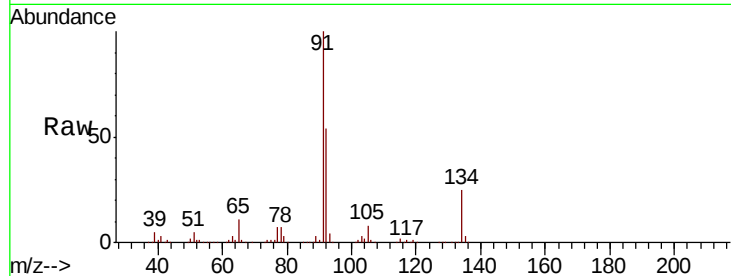




#89
n-Butylbenzene
Concen: 20.181 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

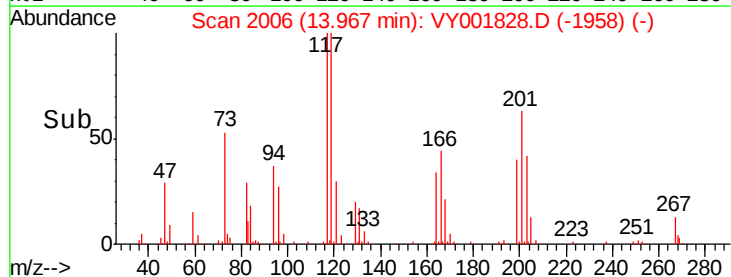
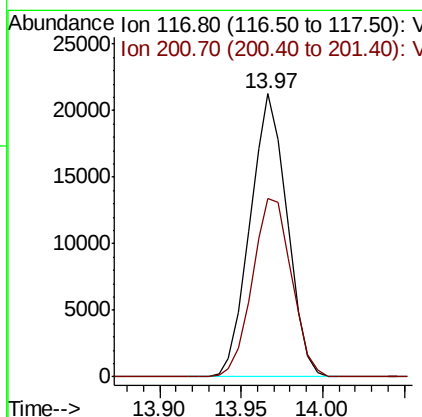
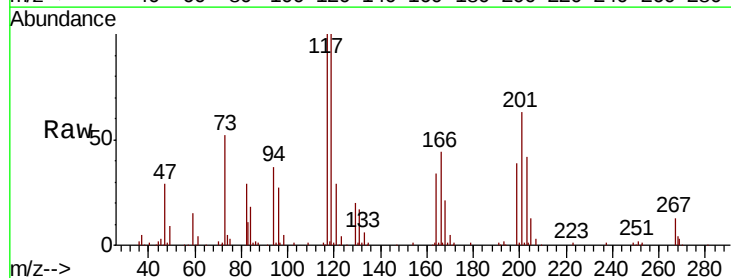
Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

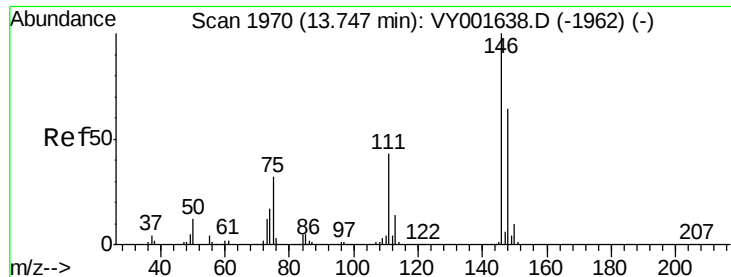
Tot Ion: 91 Resp: 191950
Ion Ratio Lower Upper
91 100
92 54.5 27.5 82.4
134 24.8 12.4 37.4



#90
Hexachloroethane
Concen: 19.156 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion: 117 Resp: 33595
Ion Ratio Lower Upper
117 100
201 66.9 32.5 97.4

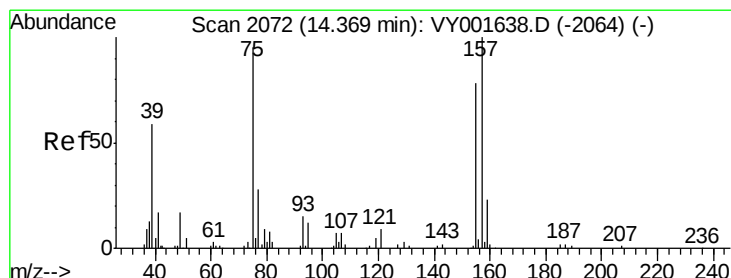
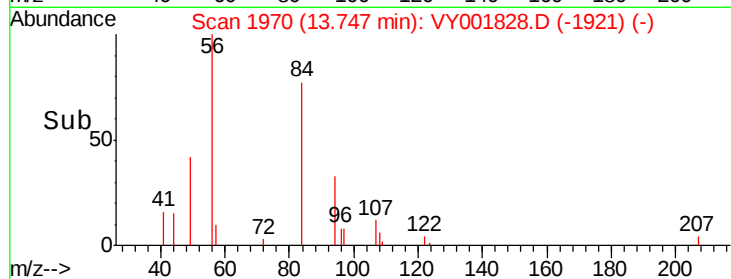
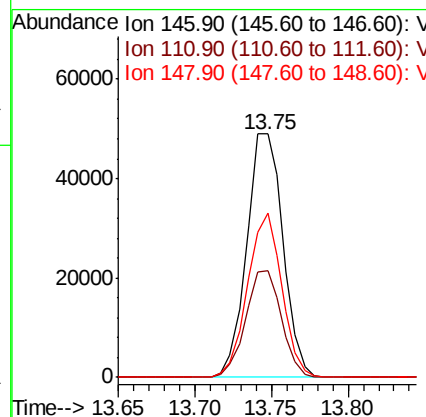
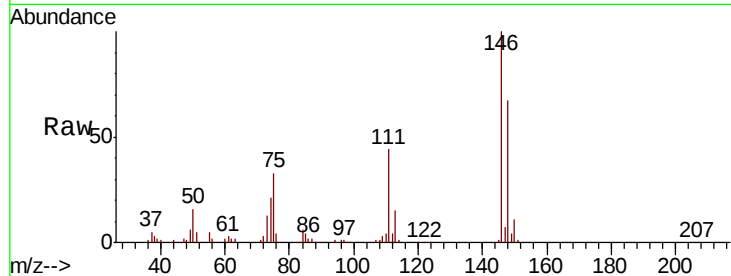




#91
 1,2-Dichlorobenzene
 Concen: 19.811 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

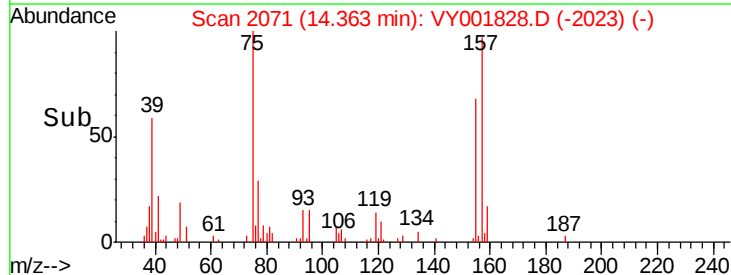
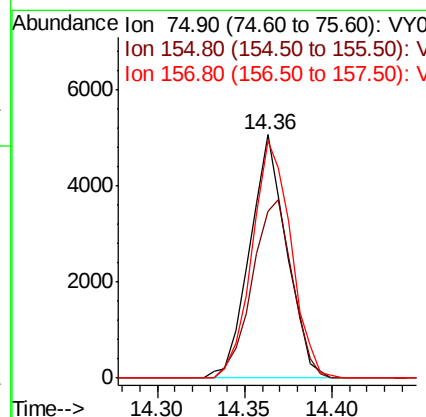
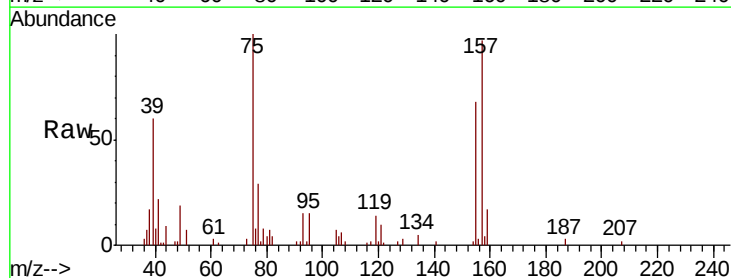
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

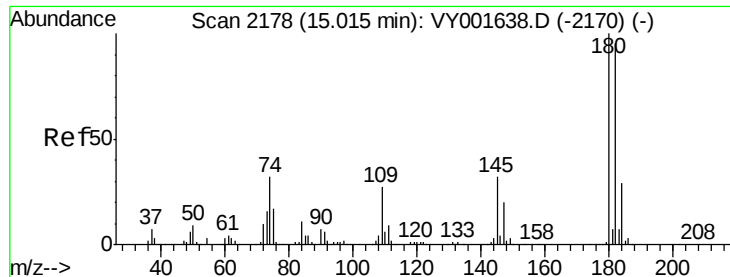
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	63.4	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.005 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.8	122.4
157	103.1	52.1	156.4

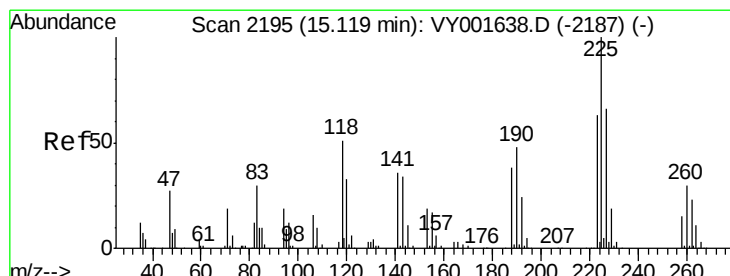
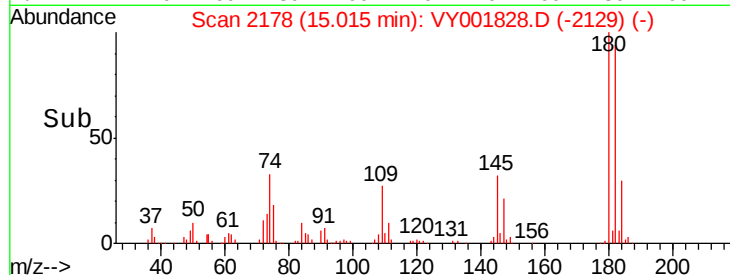
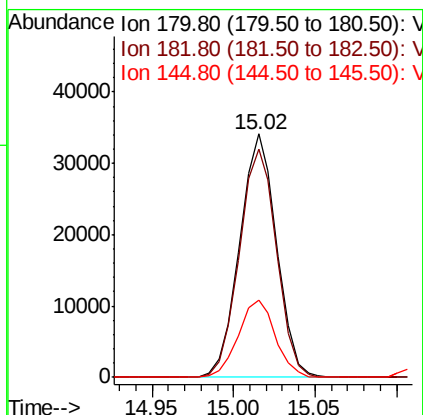
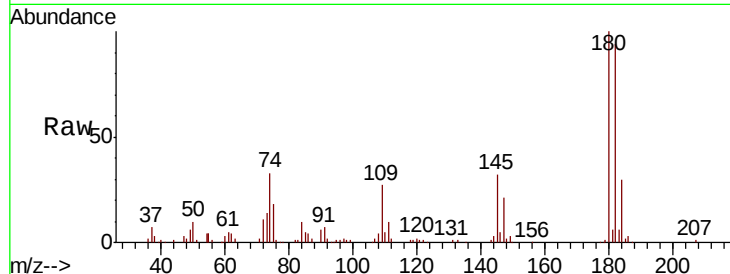




#93
 1,2,4-Trichlorobenzene
 Concen: 19.799 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

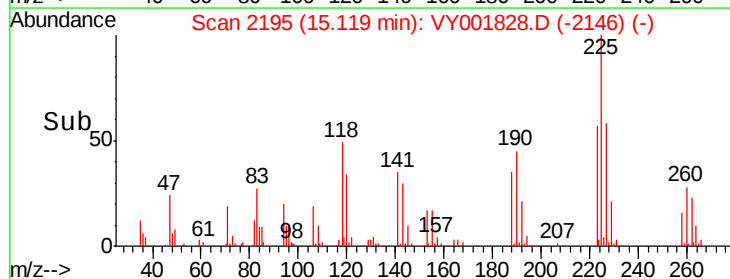
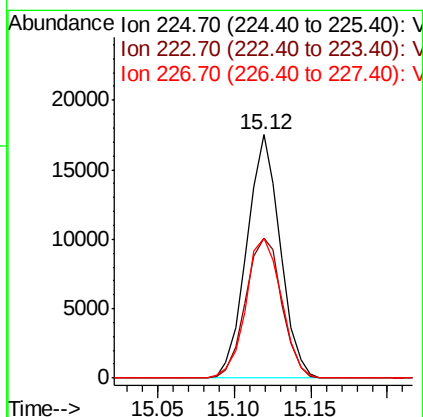
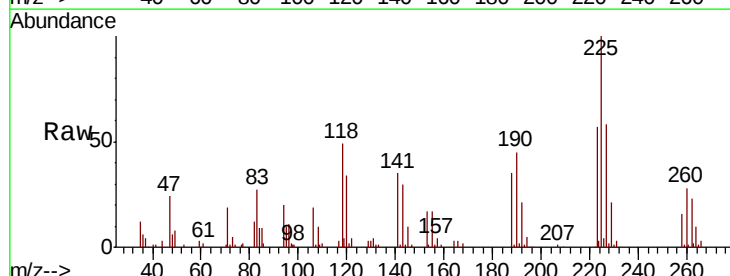
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

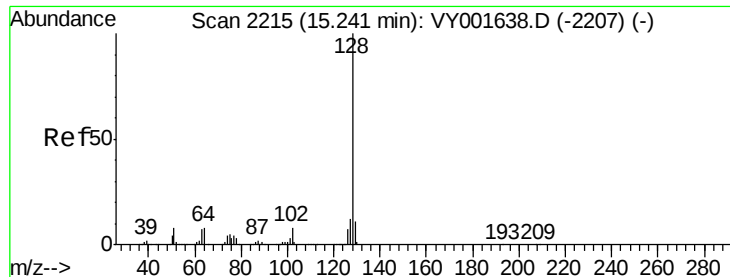
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.8	140.3
145	32.1	16.2	48.5



#94
 Hexachlorobutadiene
 Concen: 19.783 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001828.D
 Acq: 03 Mar 2020 12:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.0
227	61.2	31.6	94.8

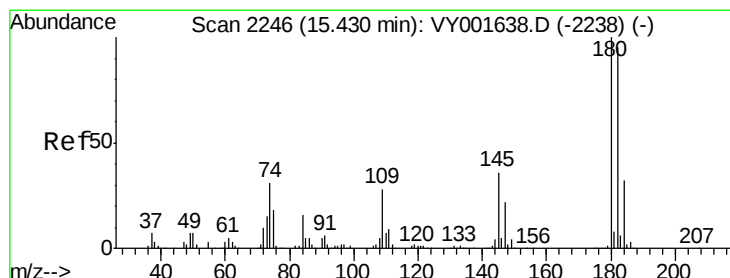
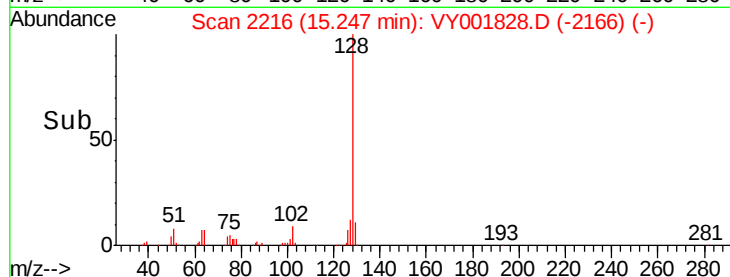
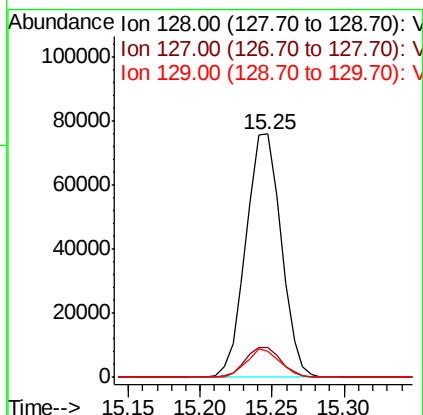
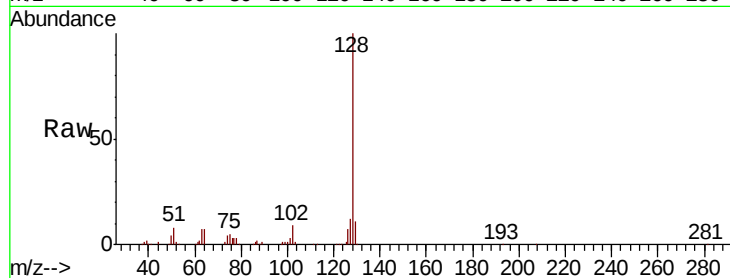




#95
Naphthalene
Concen: 20.629 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0303SBS01

Tot Ion:128 Resp: 128688
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.267 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001828.D
Acq: 03 Mar 2020 12:47

Tgt Ion:180 Resp: 48240
Ion Ratio Lower Upper
180 100
182 94.3 47.2 141.6
145 34.5 17.3 52.0

