

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000421.D
 Acq On : 25 Oct 2019 12:08
 Operator : SY/MD
 Sample : VW1025SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:42:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	212054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	347910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	313704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	157719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	121840	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
35) Dibromofluoromethane	7.72	113	108356	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.18	98	434511	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.48	95	155384	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	43163	23.455	ug/l	97
3) Chloromethane	2.12	50	63211	24.394	ug/l	98
4) Vinyl Chloride	2.25	62	56500	21.605	ug/l	99
5) Bromomethane	2.64	94	35134	18.128	ug/l	97
6) Chloroethane	2.79	64	36967	21.908	ug/l	100
7) Trichlorofluoromethane	3.12	101	80539	22.515	ug/l	95
8) Diethyl Ether	3.53	74	28896	22.866	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	47708	21.991	ug/l	98
10) Methyl Iodide	4.10	142	50637	17.184	ug/l	99
11) Tert butyl alcohol	4.96	59	24524	104.765	ug/l	99
12) 1,1-Dichloroethene	3.87	96	48037	22.429	ug/l	96
13) Acrolein	3.73	56	19883	72.449	ug/l	95
14) Allyl chloride	4.48	41	76980	21.690	ug/l	99
15) Acrylonitrile	5.18	53	75883	107.282	ug/l	99
16) Acetone	3.96	43	71797	99.115	ug/l	100
17) Carbon Disulfide	4.19	76	135188	20.048	ug/l	99
18) Methyl Acetate	4.49	43	37064	20.593	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	133055	22.317	ug/l	98
20) Methylene Chloride	4.72	84	58545	20.814	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	54684	22.255	ug/l	95
22) Diisopropyl ether	6.13	45	167749	22.347	ug/l	94
23) Vinyl Acetate	6.07	43	532301	108.695	ug/l	97
24) 1,1-Dichloroethane	6.02	63	89754	21.905	ug/l	99
25) 2-Butanone	7.00	43	107646	105.491	ug/l	96
26) 2,2-Dichloropropane	6.99	77	83657	22.157	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	59586	22.411	ug/l	98
28) Bromochloromethane	7.35	49	35464	20.162	ug/l #	96
29) Tetrahydrofuran	7.36	42	64207	103.825	ug/l	97
30) Chloroform	7.52	83	94406	22.879	ug/l	92
31) Cyclohexane	7.79	56	91038	21.273	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	81726	22.278	ug/l	99
36) 1,1-Dichloropropene	7.92	75	73380	21.543	ug/l	99
37) Ethyl Acetate	7.08	43	42859	21.250	ug/l	98
38) Carbon Tetrachloride	7.91	117	72206	21.893	ug/l	95

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Quant Time: Oct 26 01:42:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	95805	21.490	ug/l	97
40) Benzene	8.17	78	217364	22.082	ug/l	99
41) Methacrylonitrile	7.36	41	57437	59.827	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	62147	22.102	ug/l	99
43) Isopropyl Acetate	8.28	43	82005	21.383	ug/l	98
44) Trichloroethene	8.94	130	60350	21.850	ug/l	96
45) 1,2-Dichloropropane	9.22	63	54669	22.631	ug/l	98
46) Dibromomethane	9.31	93	29523	21.862	ug/l	98
47) Bromodichloromethane	9.50	83	71505	22.468	ug/l	100
48) Methyl methacrylate	9.30	41	36812	21.903	ug/l	96
49) 1,4-Dioxane	9.30	88	8664	427.900	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	215634	109.017	ug/l	100
52) Toluene	10.25	92	140000	22.401	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	75771	22.216	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	85305	22.024	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	44159	22.490	ug/l	96
56) Ethyl methacrylate	10.52	69	61658	22.032	ug/l	97
57) 1,3-Dichloropropane	10.80	76	76465	22.676	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	134552	120.536	ug/l	99
59) 2-Hexanone	10.83	43	160413	115.540	ug/l	98
60) Dibromochloromethane	10.99	129	48974	22.504	ug/l	99
61) 1,2-Dibromoethane	11.10	107	41585	22.058	ug/l	99
64) Tetrachloroethene	10.72	164	60441	20.238	ug/l	98
65) Chlorobenzene	11.52	112	147354	22.257	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	52835	22.718	ug/l	99
67) Ethyl Benzene	11.60	91	268218	21.854	ug/l	99
68) m/p-Xylenes	11.70	106	208028	44.339	ug/l	98
69) o-Xylene	12.03	106	98423	21.990	ug/l	98
70) Styrene	12.05	104	162431	21.519	ug/l	100
71) Bromoform	12.21	173	29946	22.399	ug/l #	100
73) Isopropylbenzene	12.33	105	261674	21.278	ug/l	99
74) N-amyl acetate	12.14	43	71709	23.752	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	51704	22.392	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	69845	36.014	ug/l #	100
77) Bromobenzene	12.61	156	60440	22.086	ug/l	94
78) n-propylbenzene	12.67	91	316169	21.413	ug/l	99
79) 2-Chlorotoluene	12.75	91	175453	21.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	219460	21.282	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17677	19.943	ug/l	94
82) 4-Chlorotoluene	12.86	91	185657	21.539	ug/l	98
83) tert-Butylbenzene	13.08	119	194176	22.235	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	219410	21.558	ug/l	99
85) sec-Butylbenzene	13.25	105	272405	21.563	ug/l	98
86) p-Isopropyltoluene	13.37	119	241634	21.940	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	118451	21.969	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	116508	21.619	ug/l	98
89) n-Butylbenzene	13.70	91	232480	21.360	ug/l	97
90) Hexachloroethane	13.96	117	44350	21.746	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	110031	22.550	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9608	21.940	ug/l	92

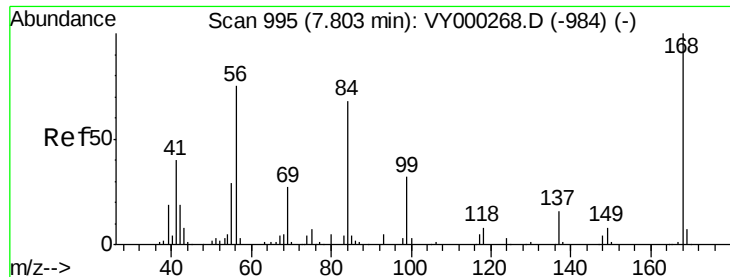
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	76032	22.380	ug/l	99
94) Hexachlorobutadiene	15.11	225	39360	21.409	ug/l	99
95) Naphthalene	15.23	128	161532	21.306	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	68294	22.305	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

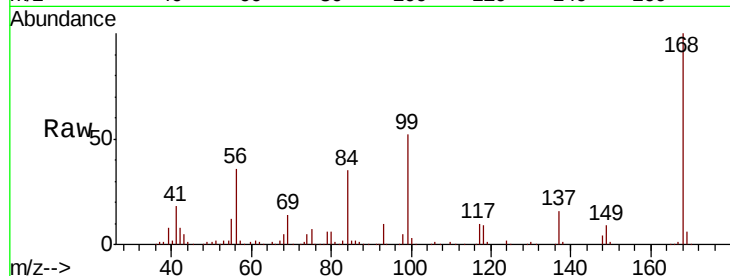
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 212054

Ion Ratio Lower Upper

168 100

99 52.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000421.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000421.D (-946) (-)

7.80

100000

80000

60000

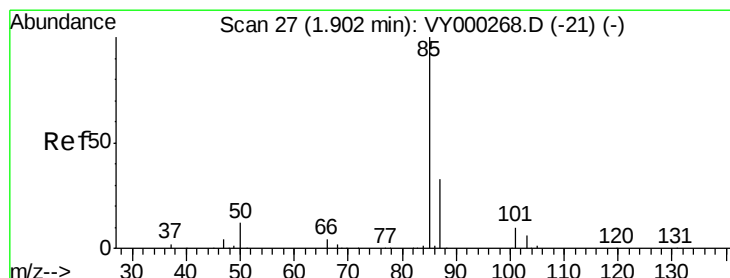
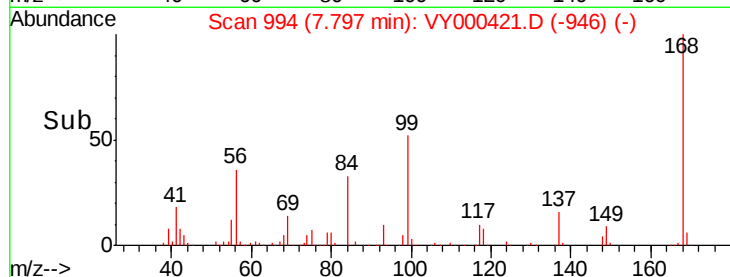
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.455 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000421.D

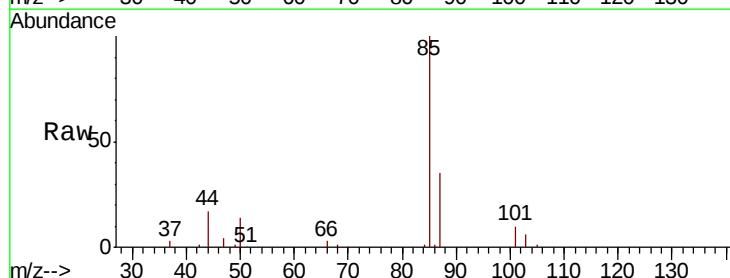
Acq: 25 Oct 2019 12:08

Tgt Ion: 85 Resp: 43163

Ion Ratio Lower Upper

85 100

87 35.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000421.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000421.D (-1) (-)

1.90

30000

25000

20000

15000

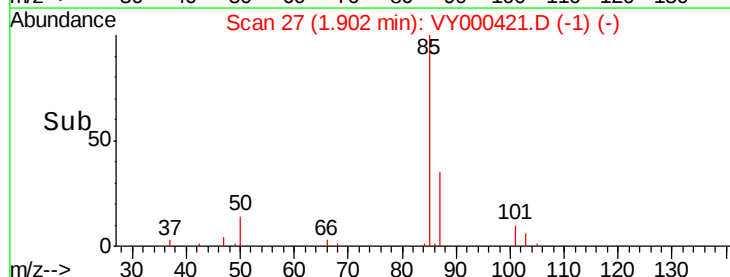
10000

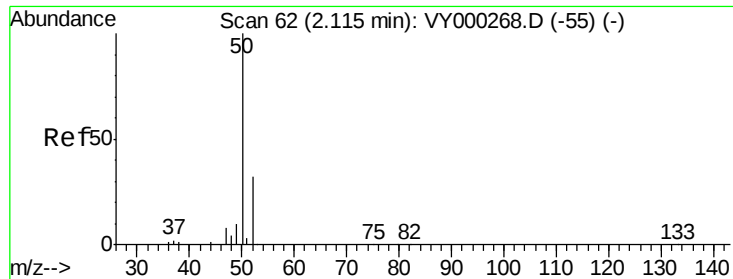
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 24.394 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

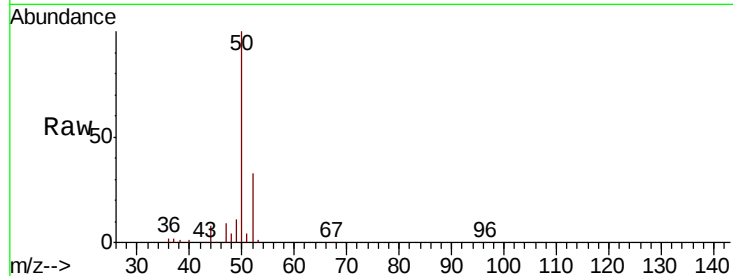
ClientSampleId :

Tot Ion: 50 Resp: 63211

Ion Ratio Lower Upper

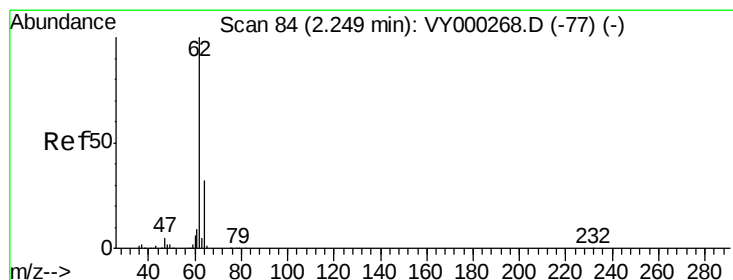
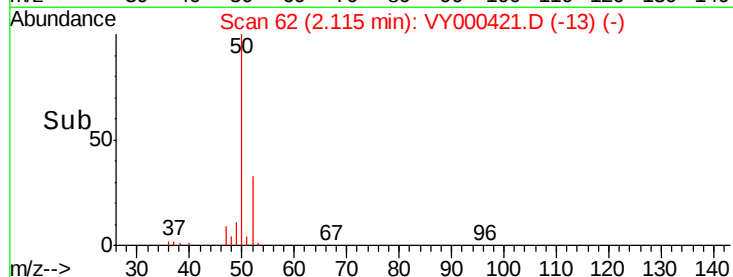
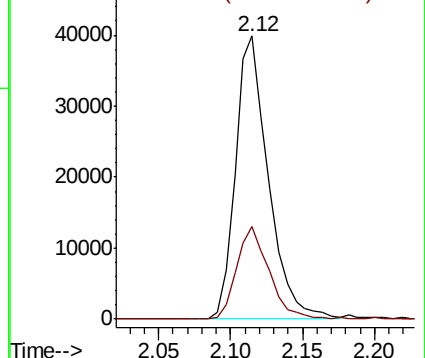
50 100

52 32.9 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 21.605 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000421.D

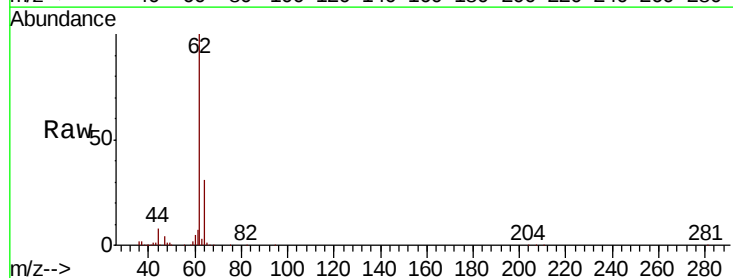
Acq: 25 Oct 2019 12:08

Tgt Ion: 62 Resp: 56500

Ion Ratio Lower Upper

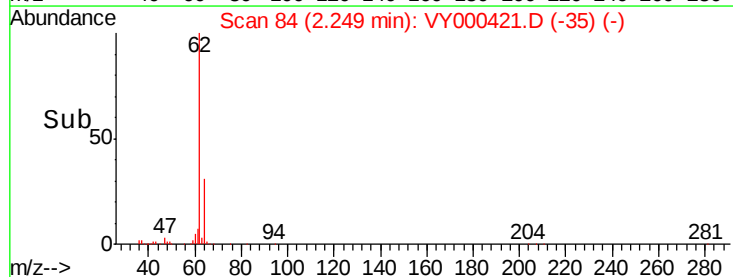
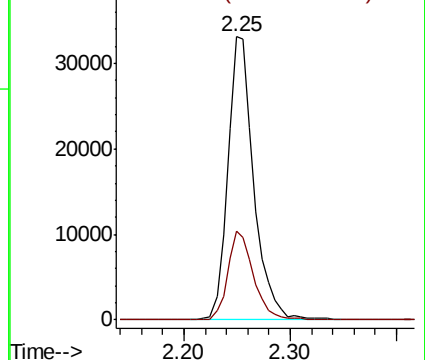
62 100

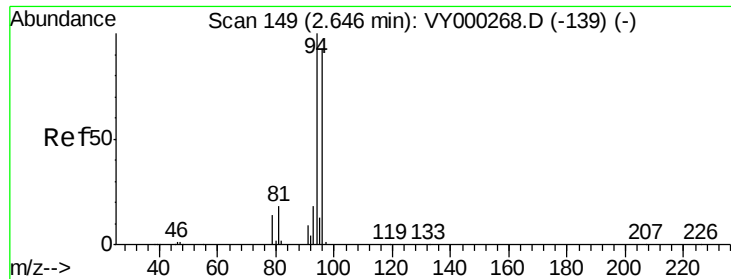
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.128 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

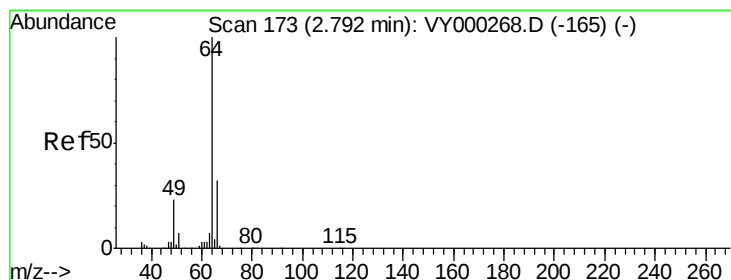
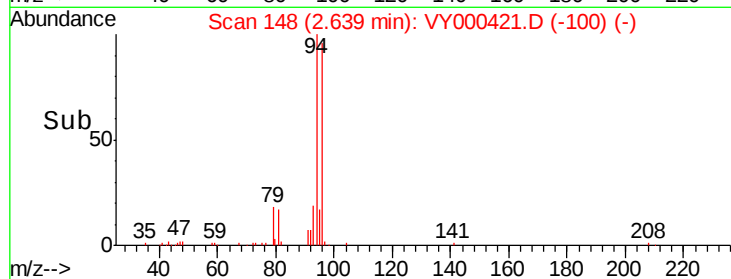
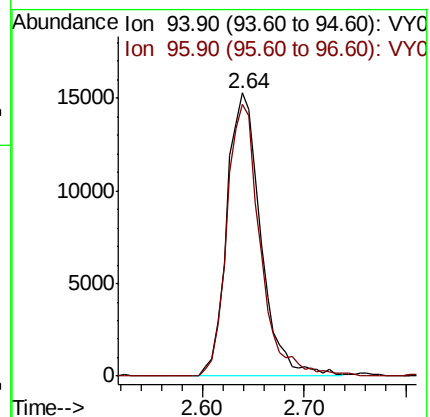
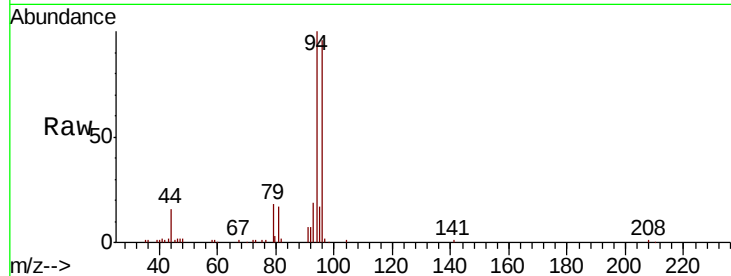
ClientSampleId :

Tot Ion: 94 Resp: 35134

Ion Ratio Lower Upper

94 100

96 95.9 74.2 111.2



#6

Chloroethane

Concen: 21.908 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000421.D

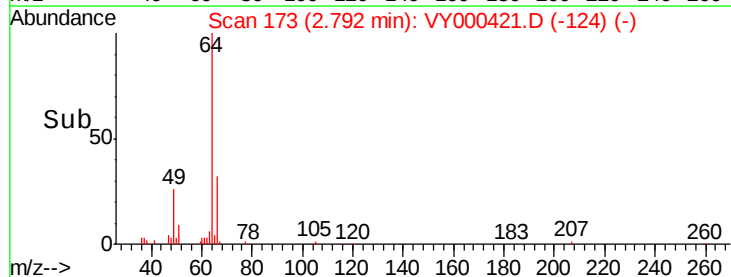
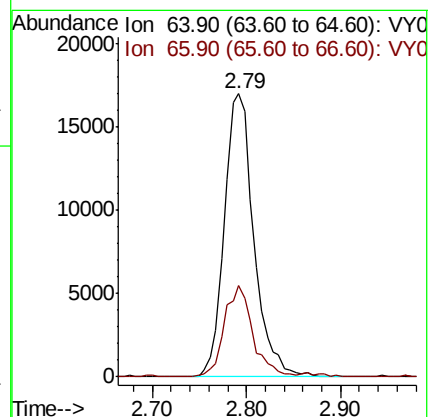
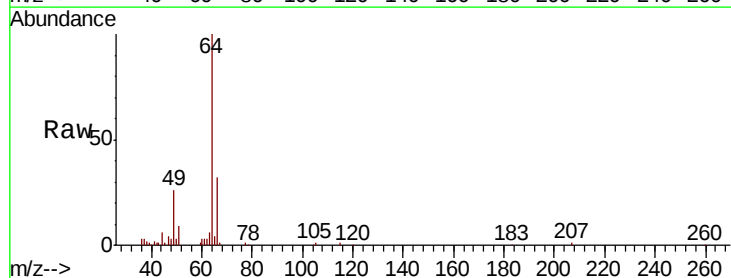
Acq: 25 Oct 2019 12:08

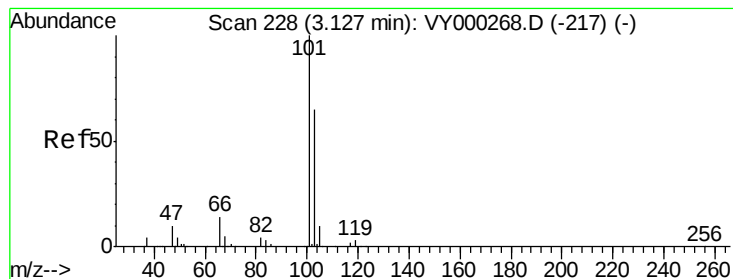
Tgt Ion: 64 Resp: 36967

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



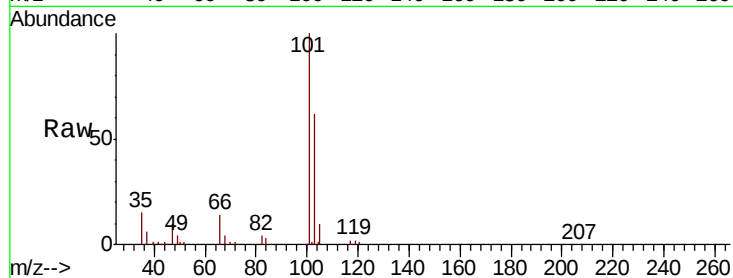


#7

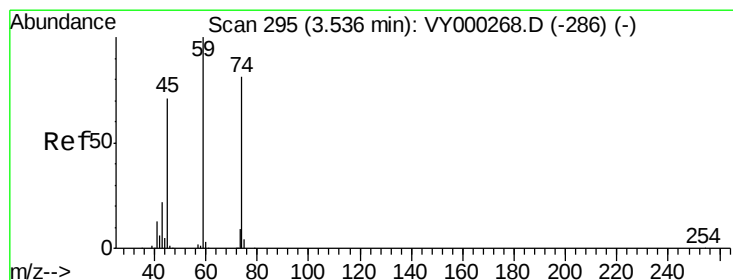
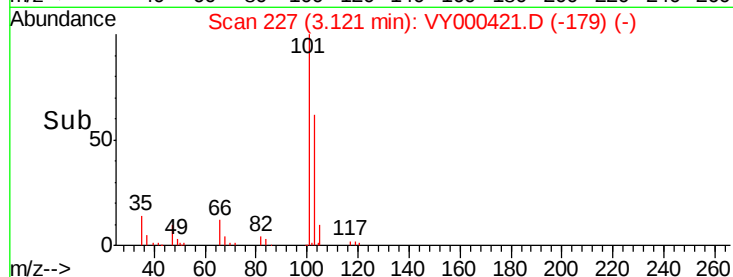
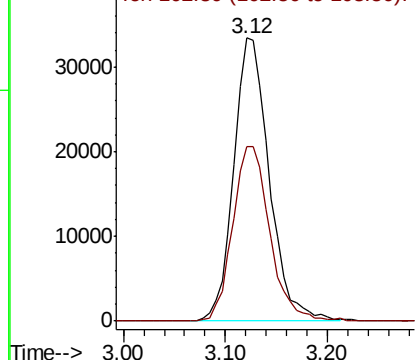
Trichlorofluoromethane
Concen: 22.515 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:101 Resp: 80539
Ion Ratio Lower Upper
101 100
103 61.7 52.2 78.4



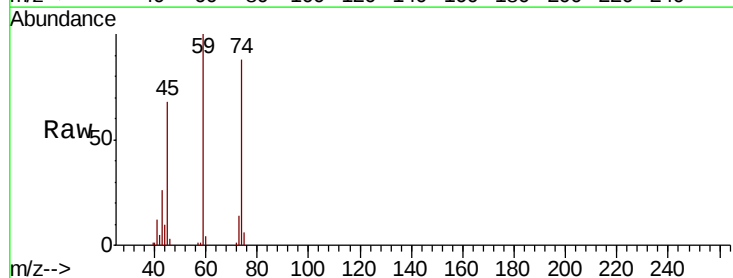
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



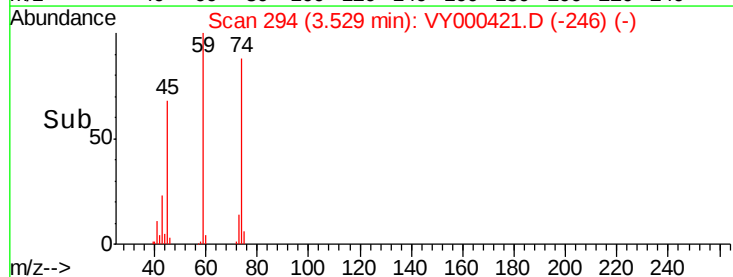
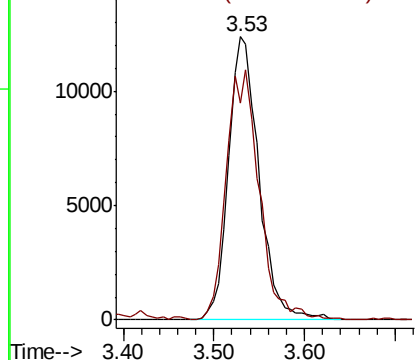
#8

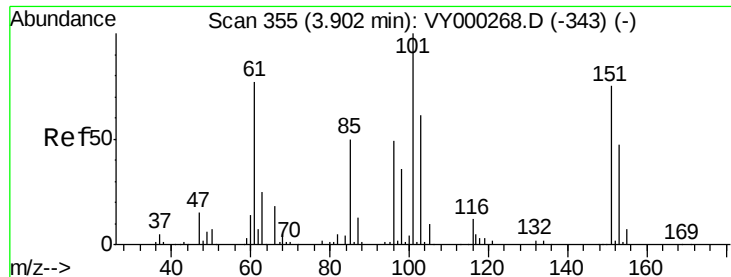
Diethyl Ether
Concen: 22.866 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 74 Resp: 28896
Ion Ratio Lower Upper
74 100
45 95.4 47.1 141.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.991 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampleId :

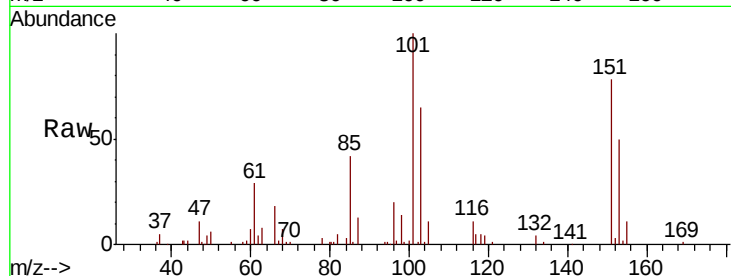
Tot Ion:101 Resp: 47708

Ion Ratio Lower Upper

101 100

85 45.5 36.6 55.0

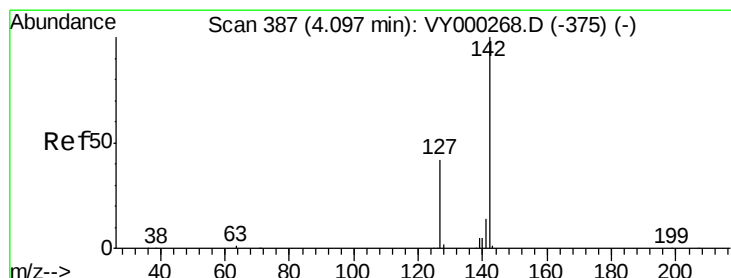
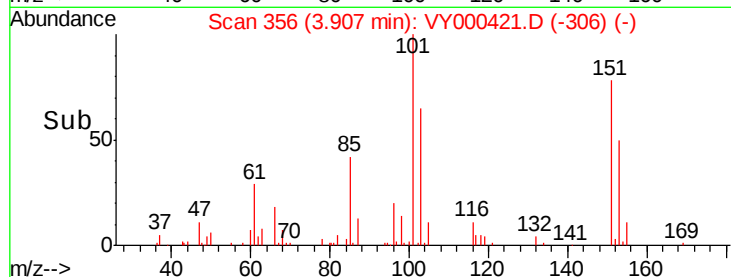
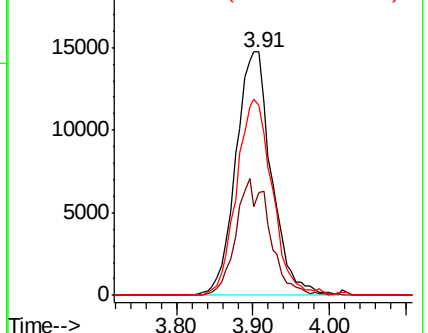
151 80.9 63.1 94.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.184 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

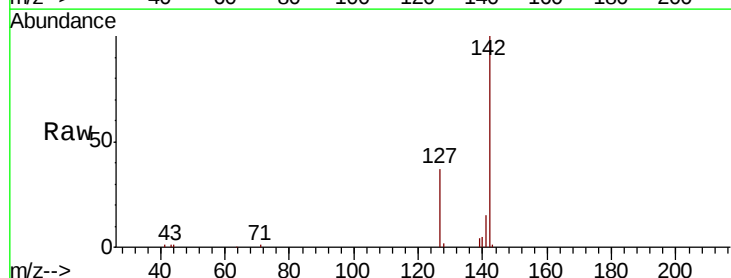
Tgt Ion:142 Resp: 50637

Ion Ratio Lower Upper

142 100

127 41.5 33.9 50.9

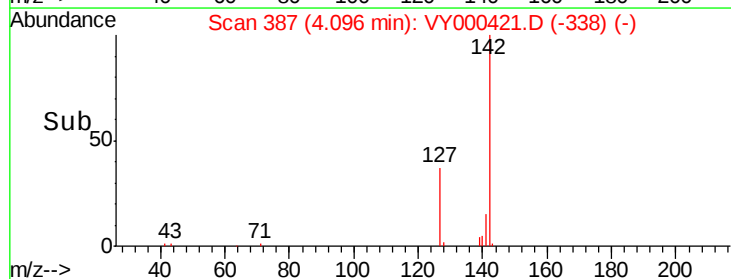
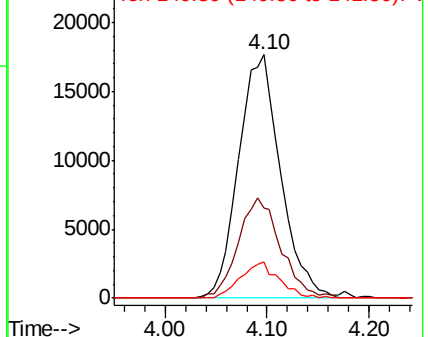
141 13.6 11.2 16.8

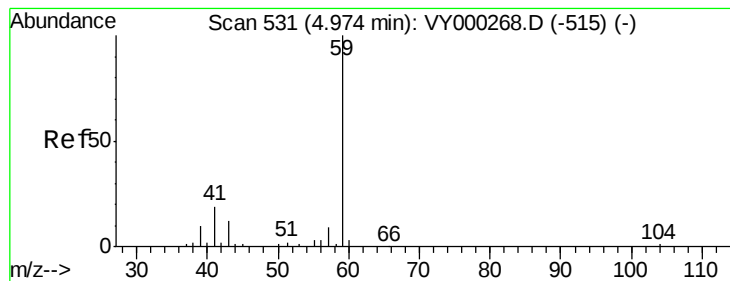


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



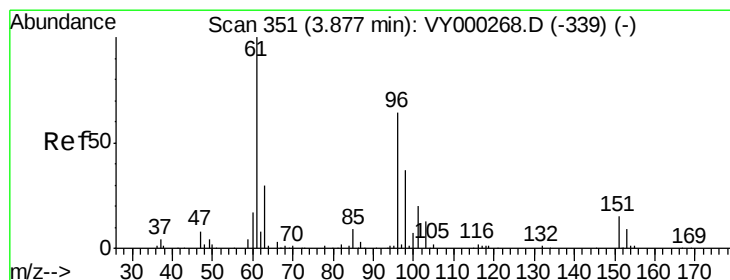
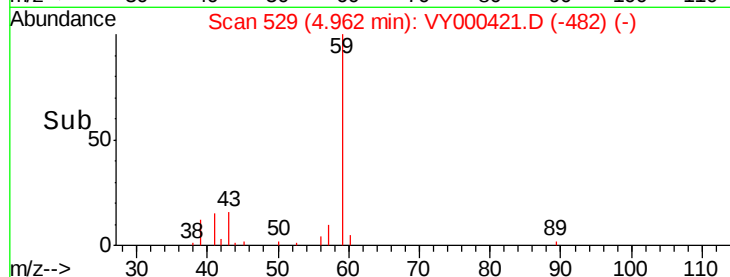
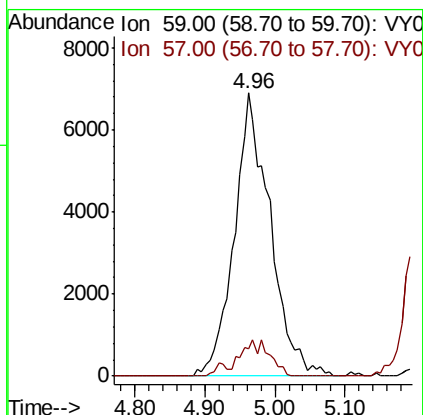
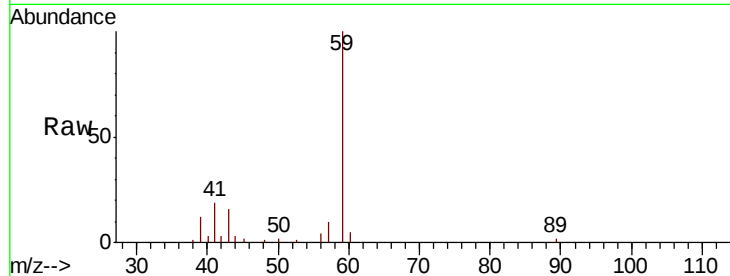


#11

Tert butyl alcohol
 Concen: 104.765 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Instrument :
 MSVOA_Y
 ClientSampled :

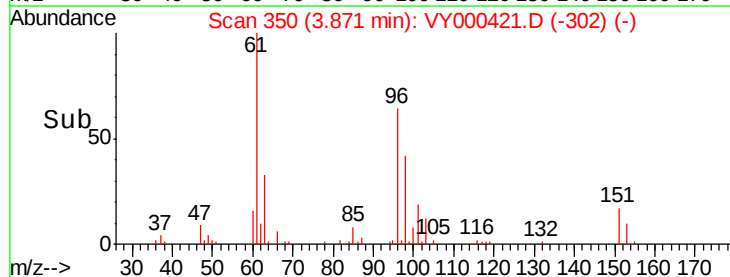
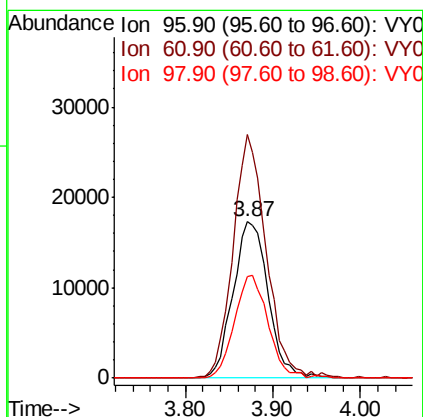
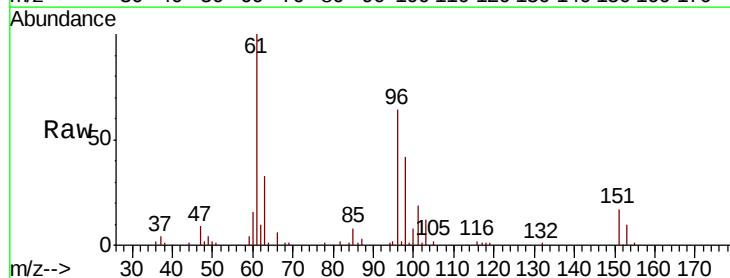
Tot Ion: 59 Resp: 24524
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.2

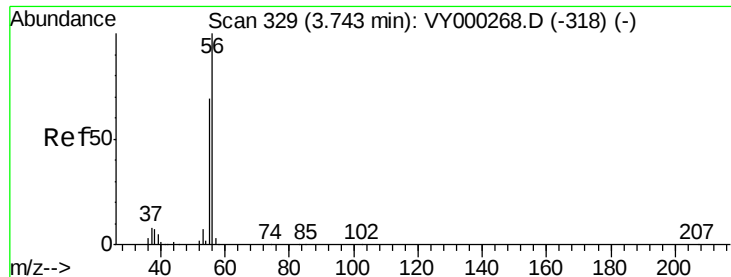


#12

1,1-Dichloroethene
 Concen: 22.429 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 96 Resp: 48037
 Ion Ratio Lower Upper
 96 100
 61 155.6 125.8 188.6
 98 64.9 46.2 69.2





#13

Acrolein

Concen: 72.449 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

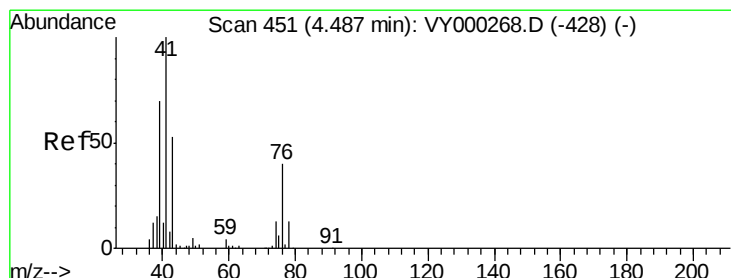
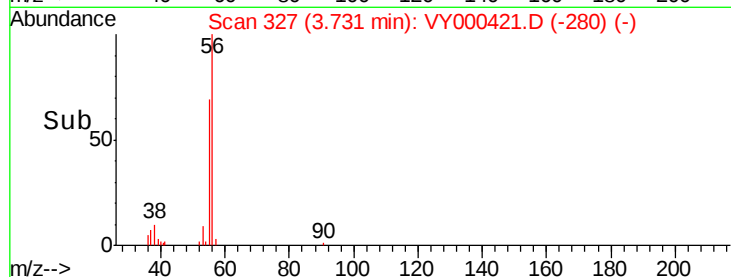
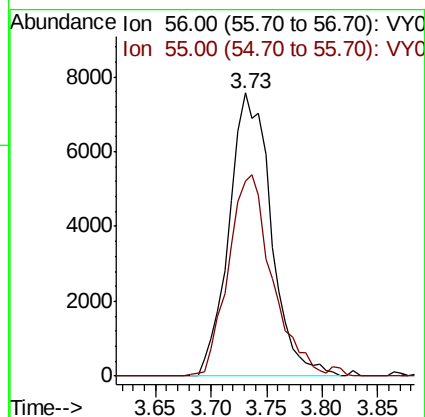
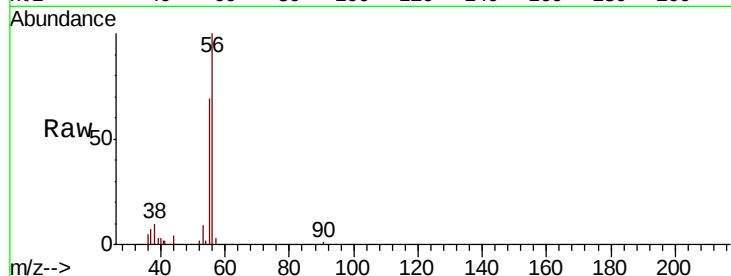
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 19883

Ion Ratio Lower Upper

56 100

55 73.8 55.7 83.5



#14

Allyl chloride

Concen: 21.690 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

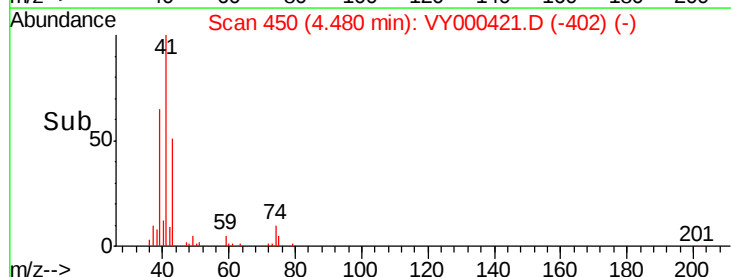
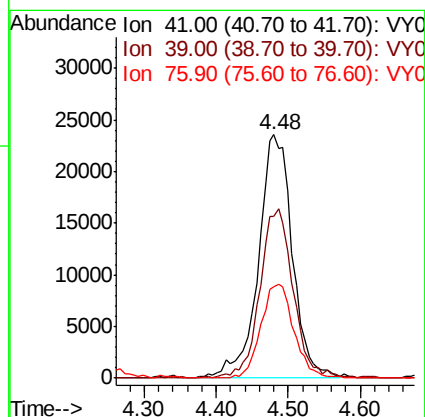
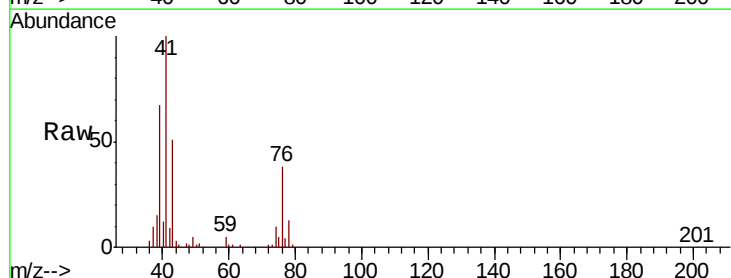
Tgt Ion: 41 Resp: 76980

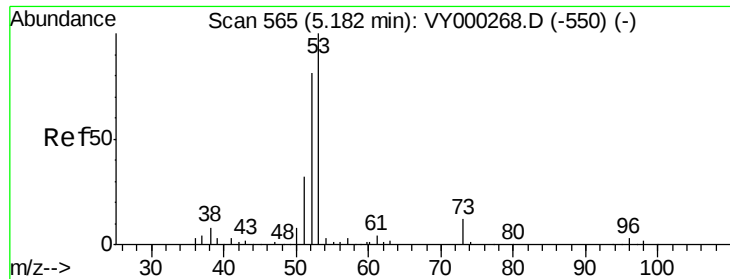
Ion Ratio Lower Upper

41 100

39 68.7 54.0 81.0

76 37.7 30.7 46.1





#15

Acrylonitrile

Concen: 107.282 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampleId :

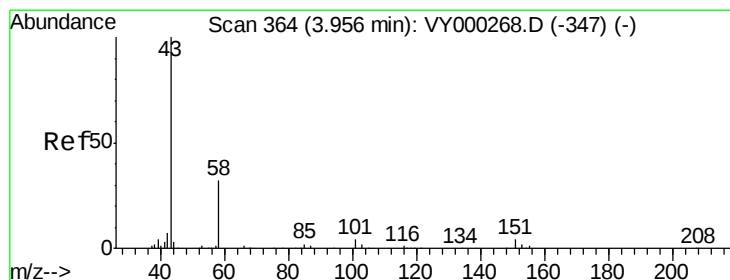
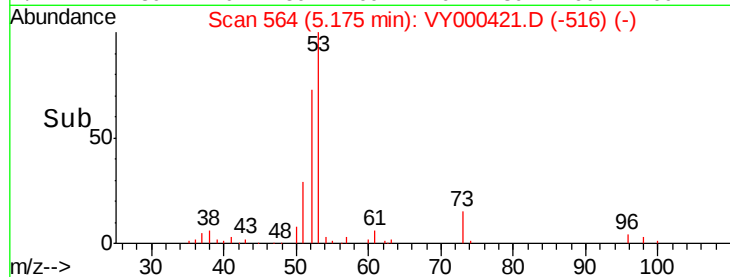
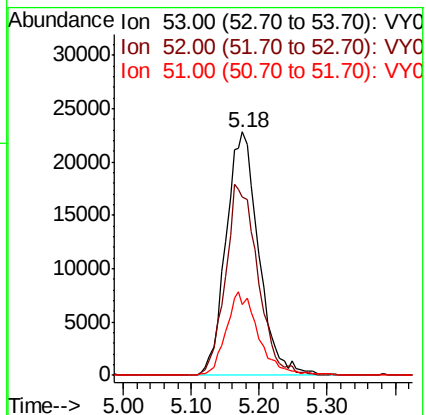
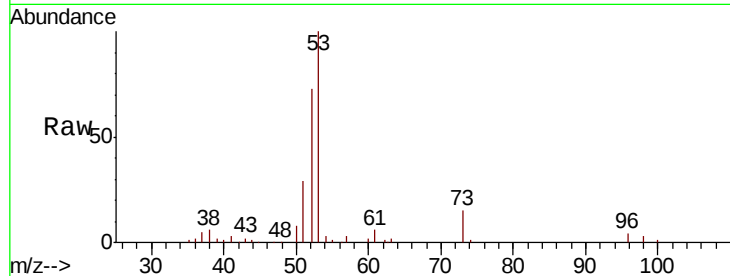
Tot Ion: 53 Resp: 75883

Ion Ratio Lower Upper

53 100

52 77.6 62.9 94.3

51 34.3 26.9 40.3



#16

Acetone

Concen: 99.115 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000421.D

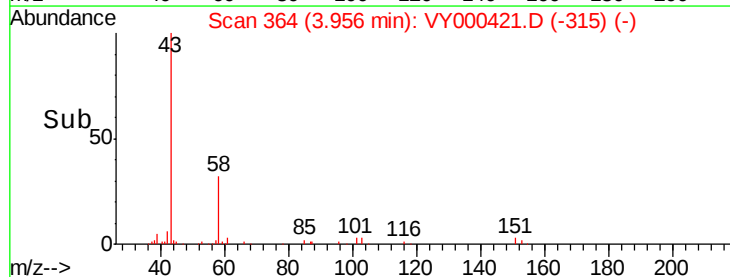
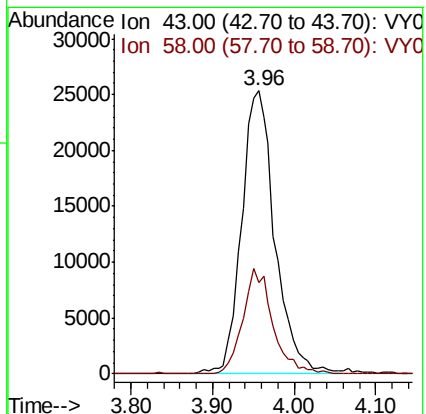
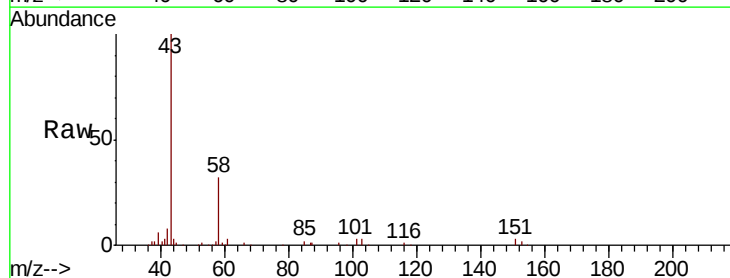
Acq: 25 Oct 2019 12:08

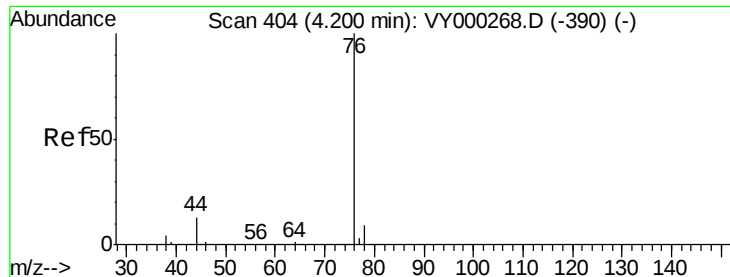
Tgt Ion: 43 Resp: 71797

Ion Ratio Lower Upper

43 100

58 32.2 25.8 38.6

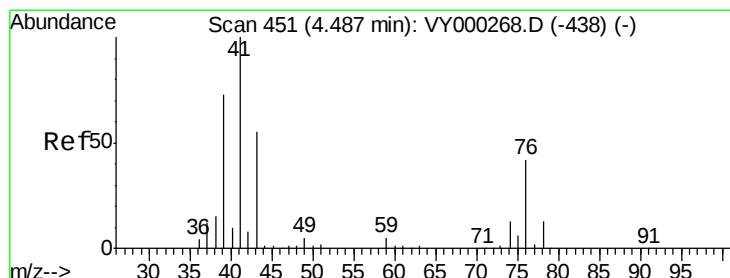
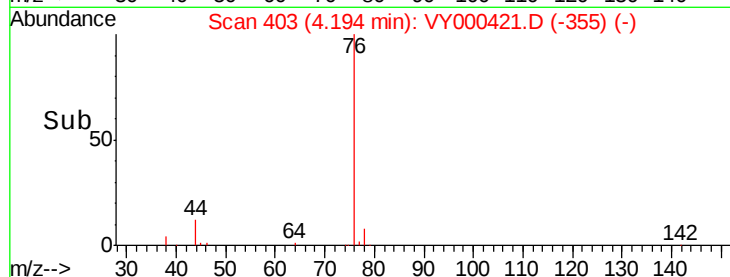
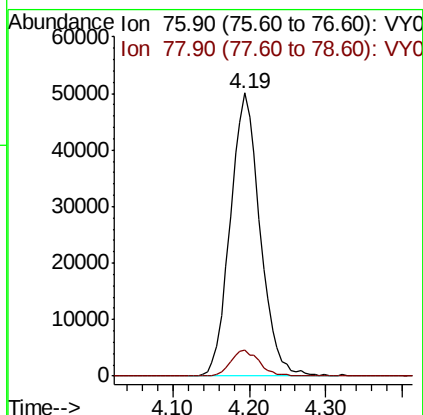
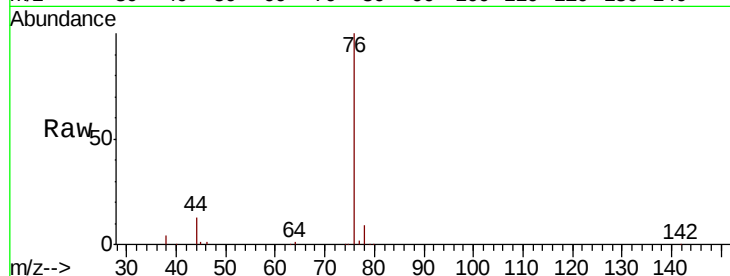




#17
Carbon Disulfide
Concen: 20.048 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

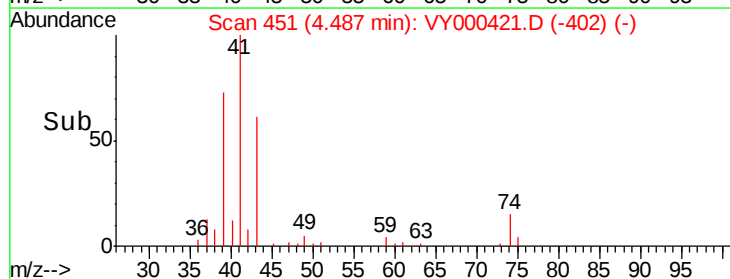
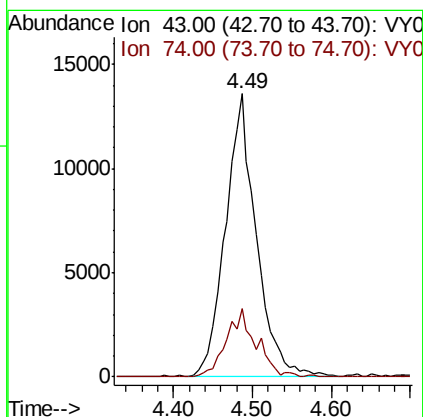
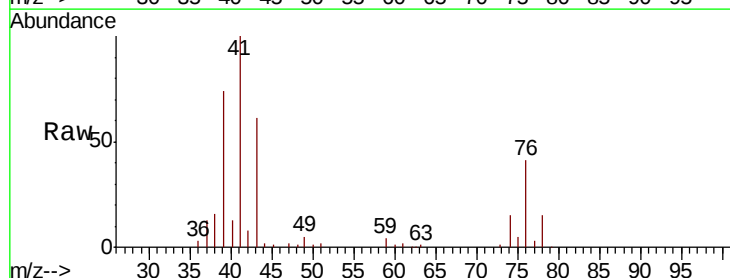
Instrument :
MSVOA_Y
ClientSampleId :

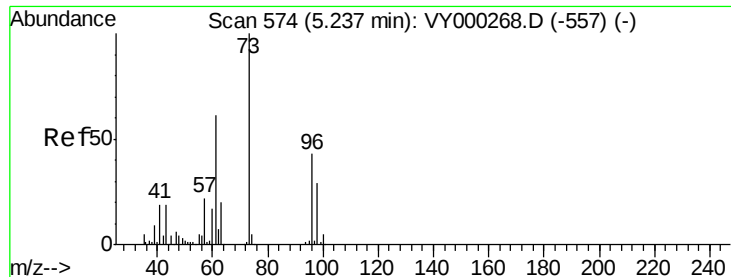
Tot Ion: 76 Resp: 135188
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#18
Methyl Acetate
Concen: 20.593 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 43 Resp: 37064
Ion Ratio Lower Upper
43 100
74 22.9 20.4 30.6

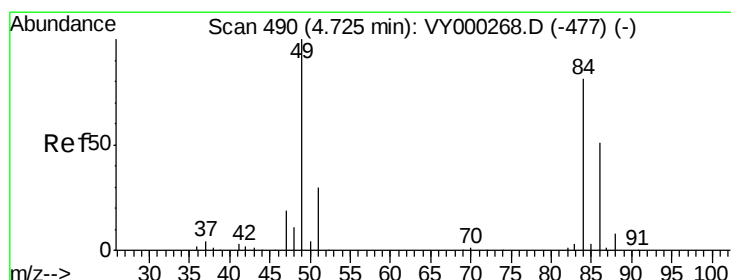
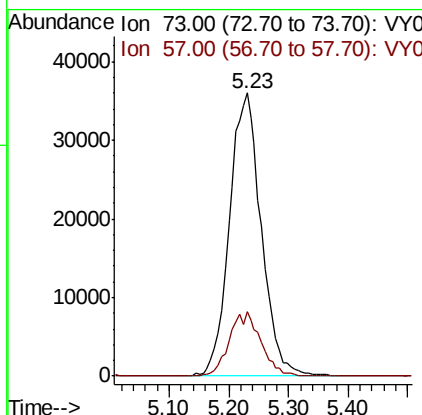
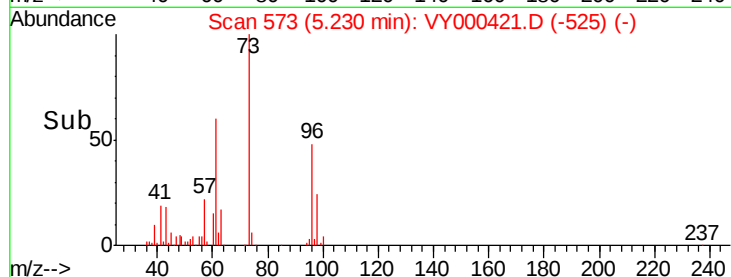
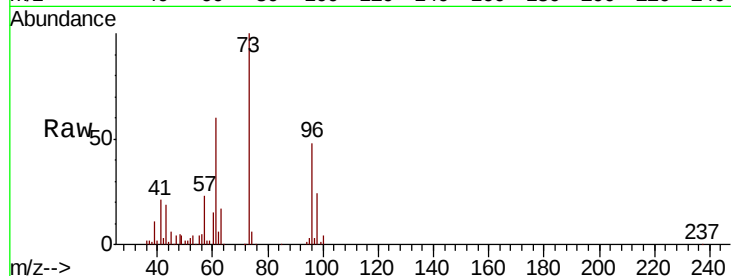




#19
Methvl tert-butvl Ether
Concen: 22.317 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

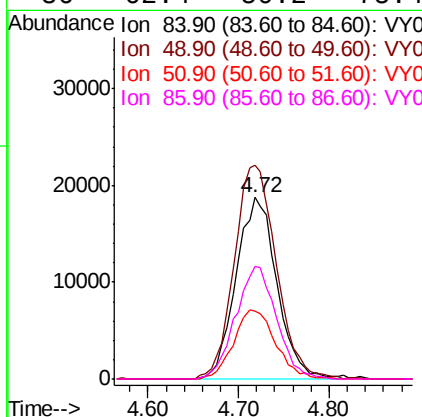
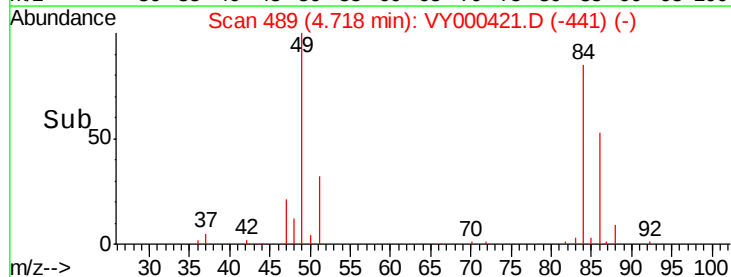
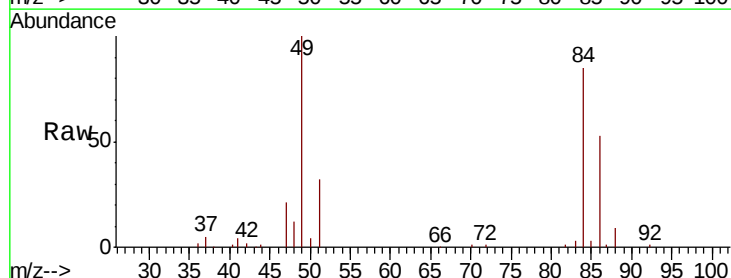
Instrument :
MSVOA_Y
ClientSampleId :

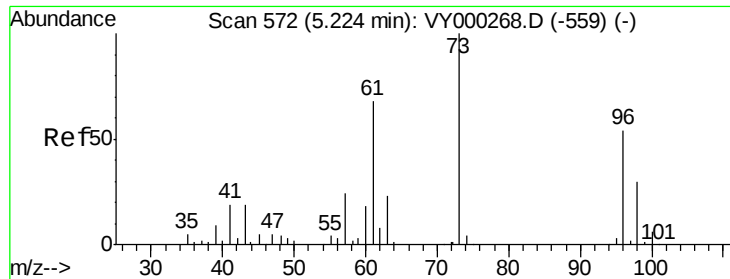
Tot Ion: 73 Resp: 133055
Ion Ratio Lower Upper
73 100
57 22.9 17.4 26.0



#20
Methylene Chloride
Concen: 20.814 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 84 Resp: 58545
Ion Ratio Lower Upper
84 100
49 117.9 99.0 148.4
51 37.2 29.3 43.9
86 62.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 22.255 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampled :

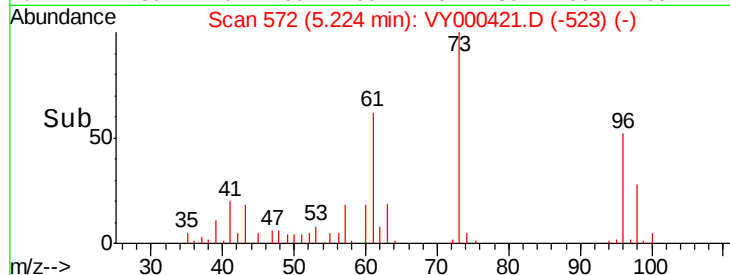
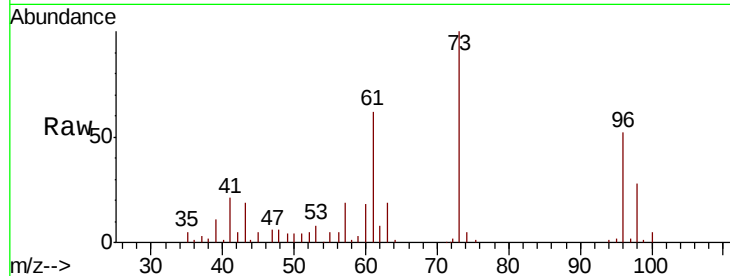
Tot Ion: 96 Resp: 54684

Ion Ratio Lower Upper

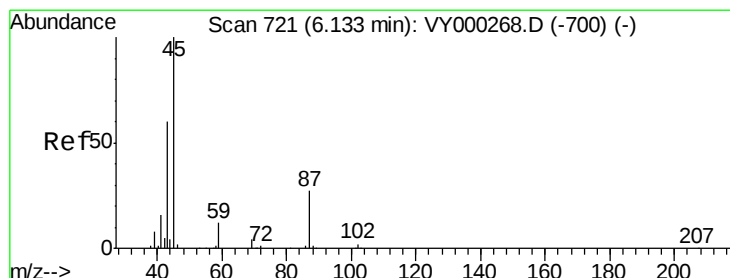
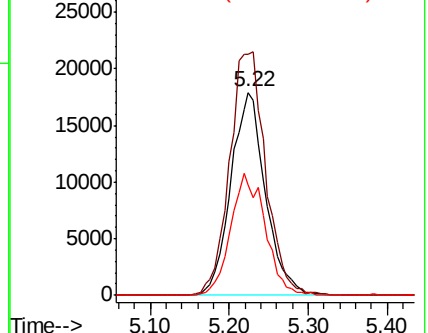
96 100

61 118.7 100.4 150.6

98 54.3 44.6 66.8



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



#22

Diisopropyl ether

Concen: 22.347 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Tgt Ion: 45 Resp: 167749

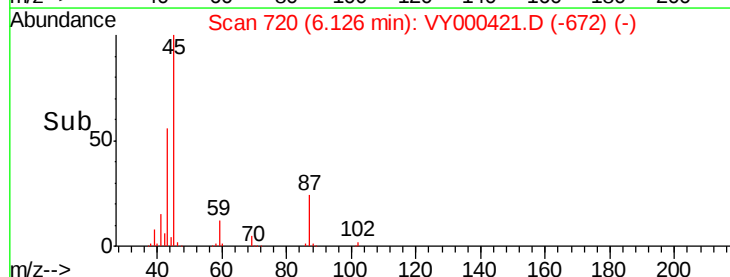
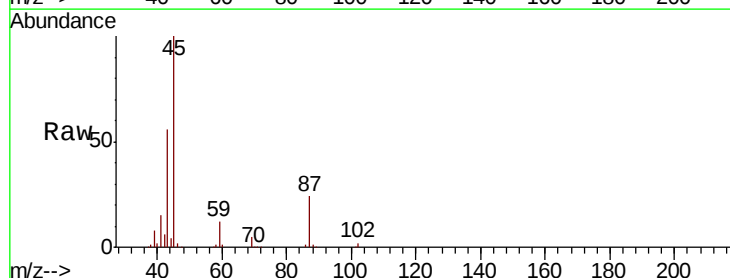
Ion Ratio Lower Upper

45 100

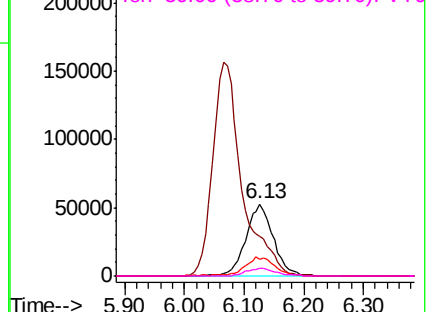
43 55.6 48.5 72.7

87 23.9 21.5 32.3

59 11.6 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 108.695 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

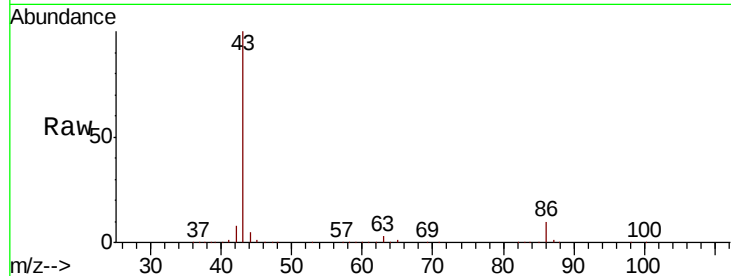
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 532301

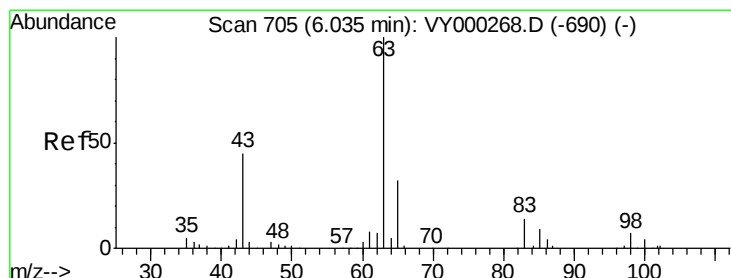
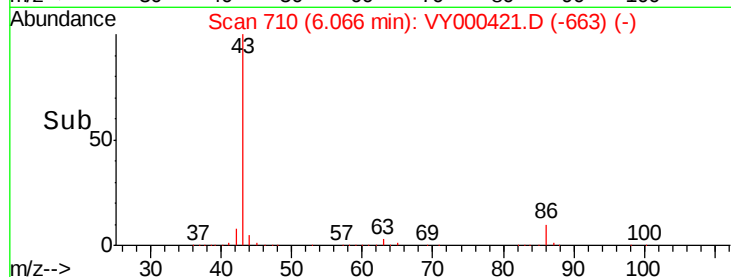
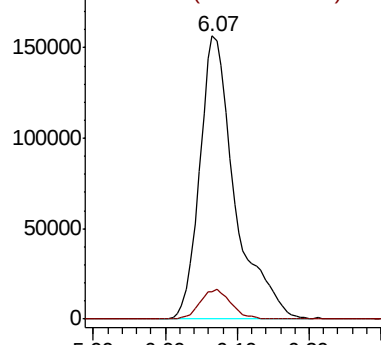
Ion Ratio Lower Upper

43 100

86 9.6 8.6 13.0



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



#24

1,1-Dichloroethane

Concen: 21.905 ug/l

RT: 6.02 min Scan# 702

Delta R.T. -0.02 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

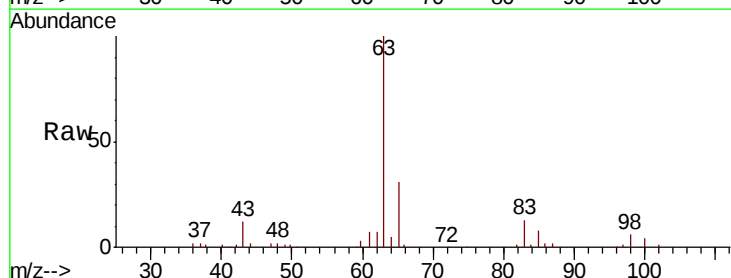
Tgt Ion: 63 Resp: 89754

Ion Ratio Lower Upper

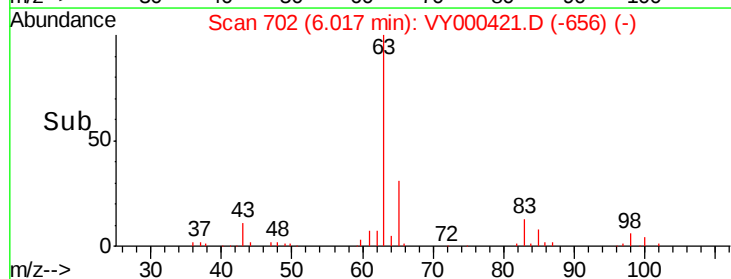
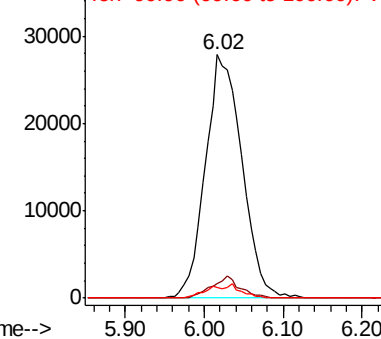
63 100

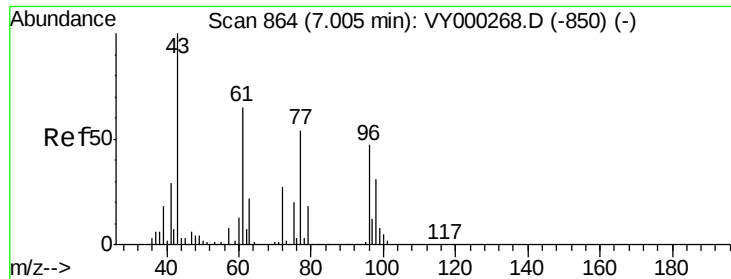
98 6.1 3.5 10.4

100 4.1 2.1 6.2



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





#25

2-Butanone

Concen: 105.491 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

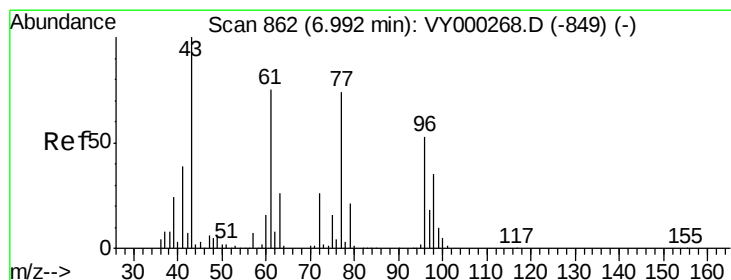
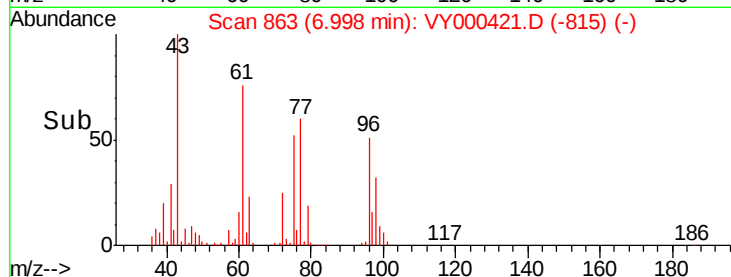
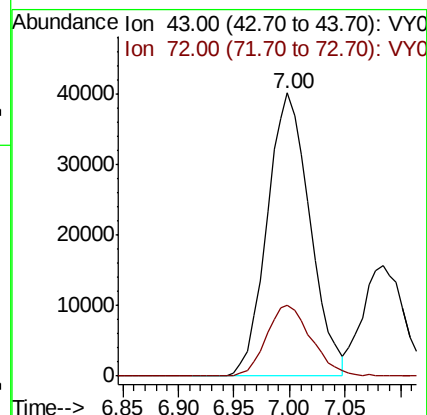
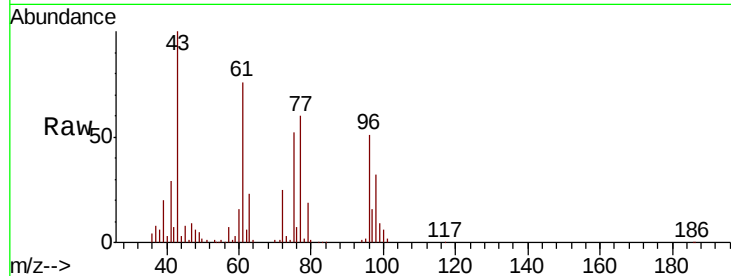
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 107646

Ion Ratio Lower Upper

43 100

72 25.0 21.4 32.2



#26

2,2-Dichloropropane

Concen: 22.157 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000421.D

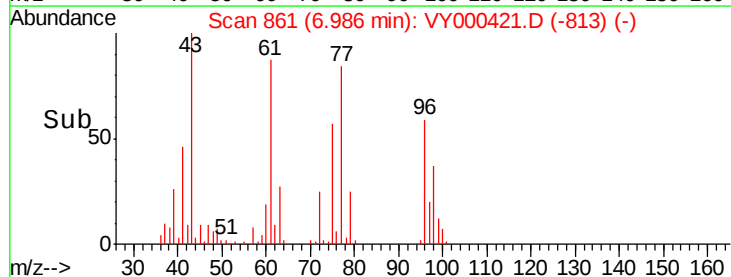
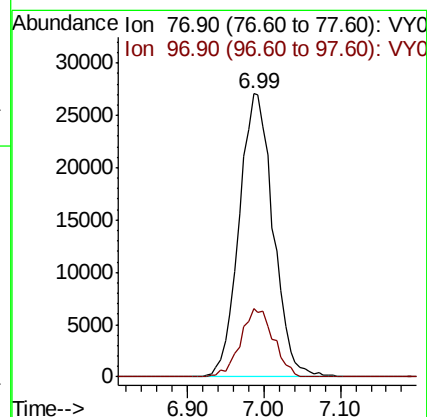
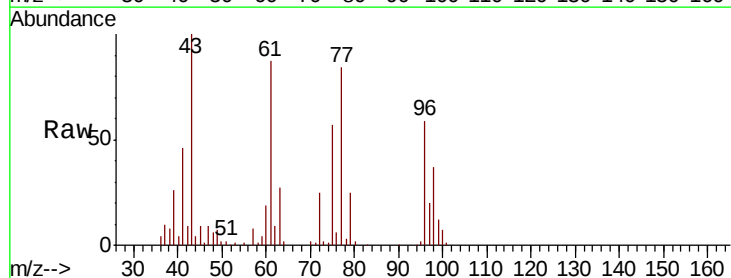
Acq: 25 Oct 2019 12:08

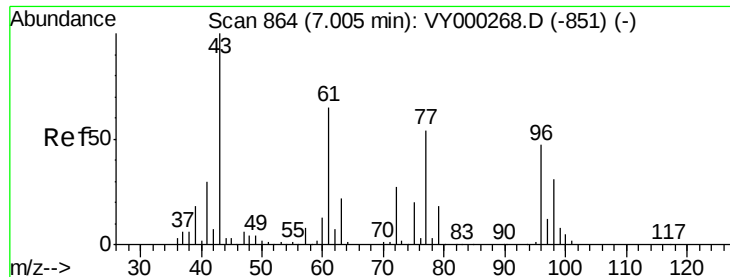
Tgt Ion: 77 Resp: 83657

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7



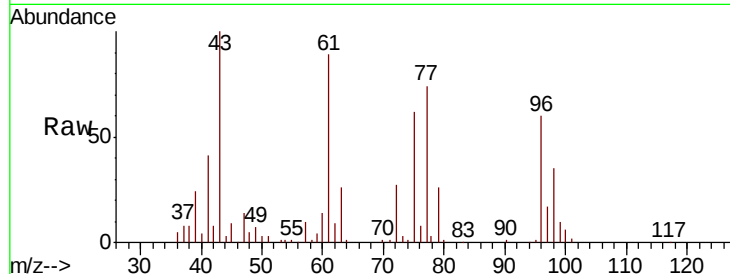


#27

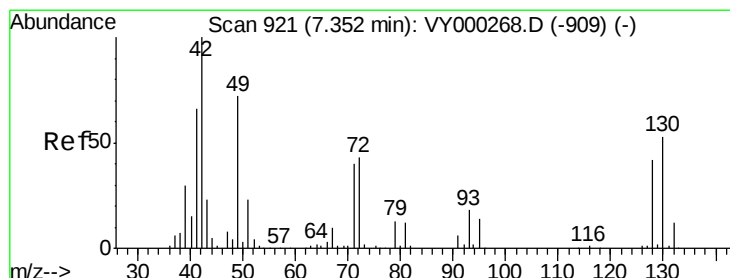
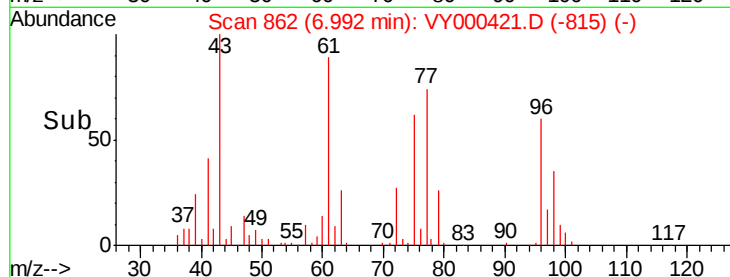
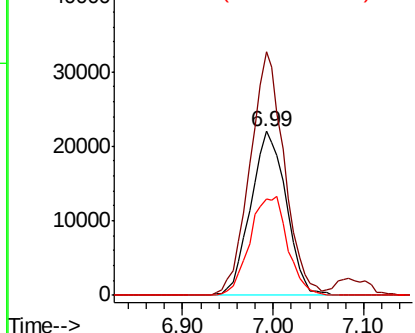
cis-1,2-Dichloroethene
Concen: 22.411 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 59586
Ion Ratio Lower Upper
96 100
61 143.2 0.0 289.8
98 63.6 0.0 131.8



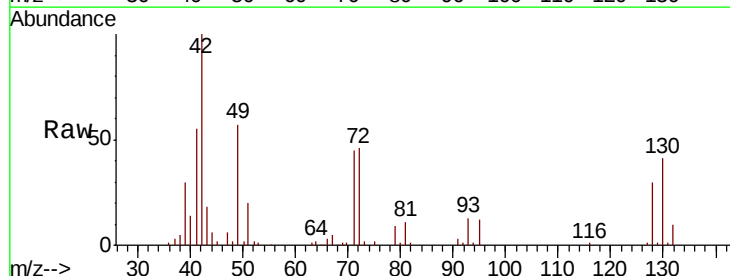
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



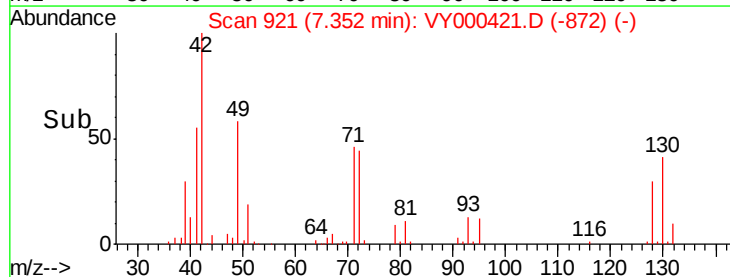
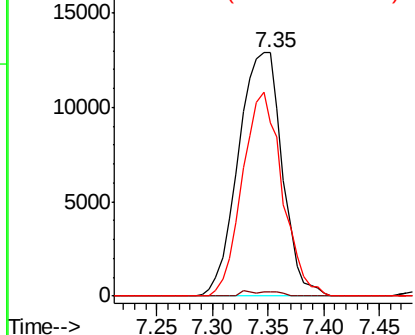
#28

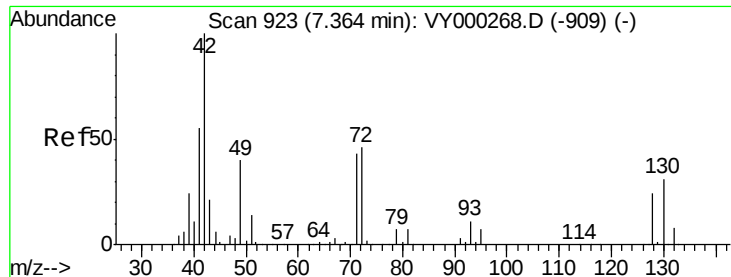
Bromochloromethane
Concen: 20.162 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 49 Resp: 35464
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 76.1 58.2 87.2



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

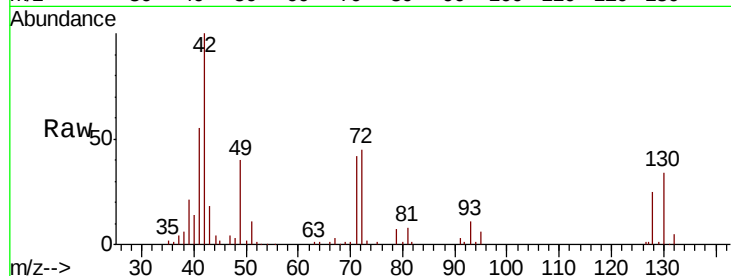




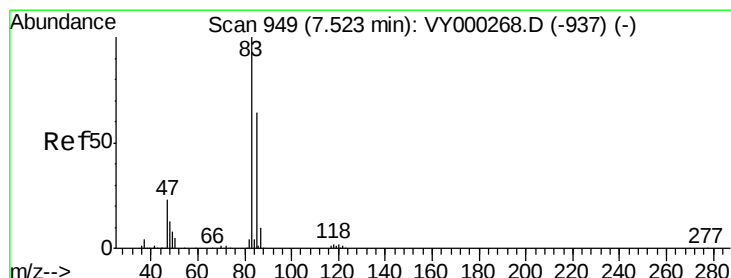
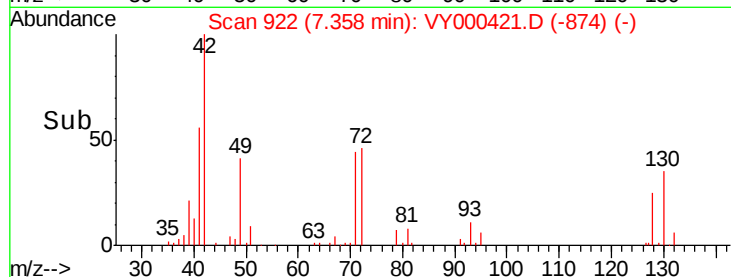
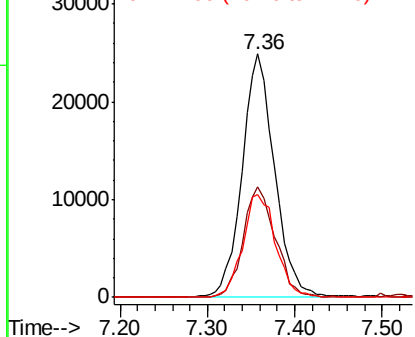
#29
Tetrahydrofuran
Concen: 103.825 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.5	51.7
71	43.0	32.7	49.1

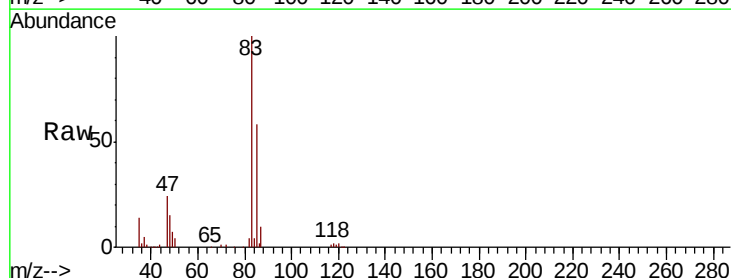


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

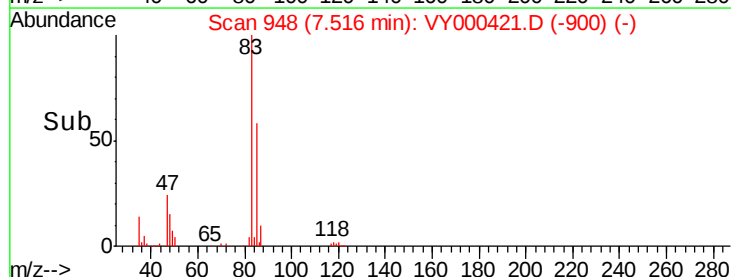
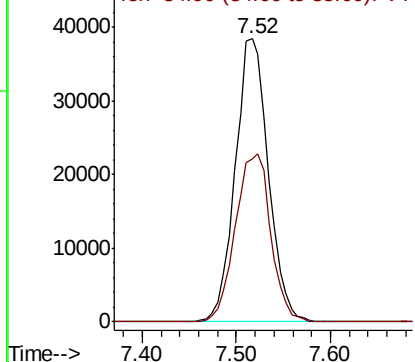


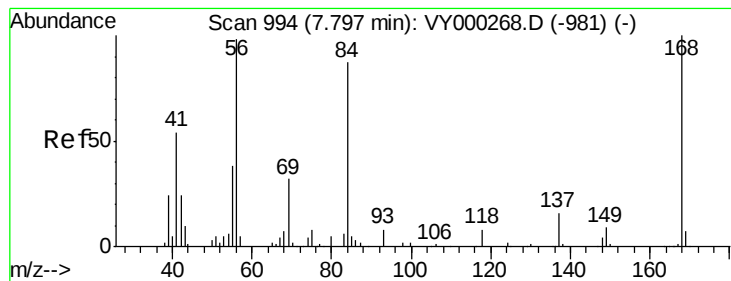
#30
Chloroform
Concen: 22.879 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.7	51.4	77.2



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





#31

Cyclohexane

Concen: 21.273 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampled :

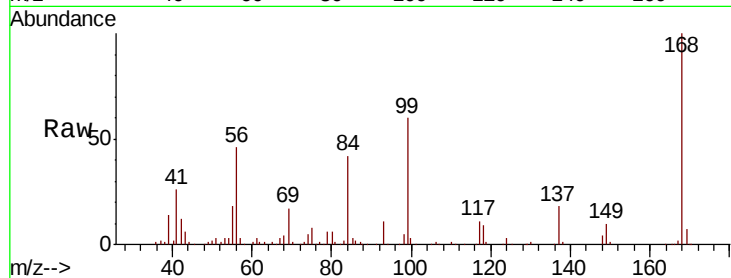
Tot Ion: 56 Resp: 91038

Ion Ratio Lower Upper

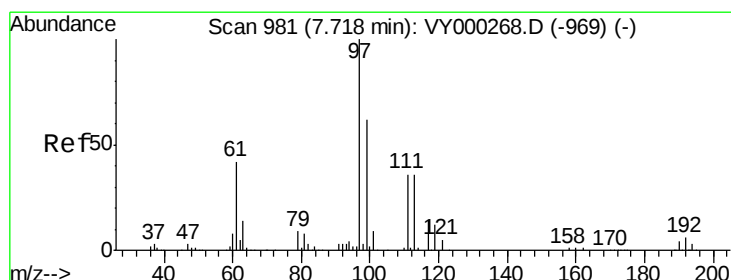
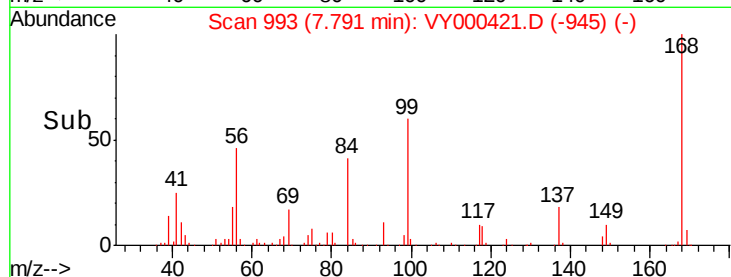
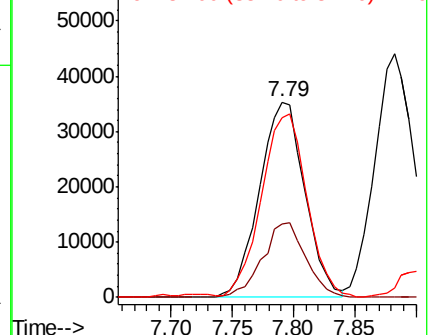
56 100

69 37.8 26.3 39.5

84 90.5 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 22.278 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

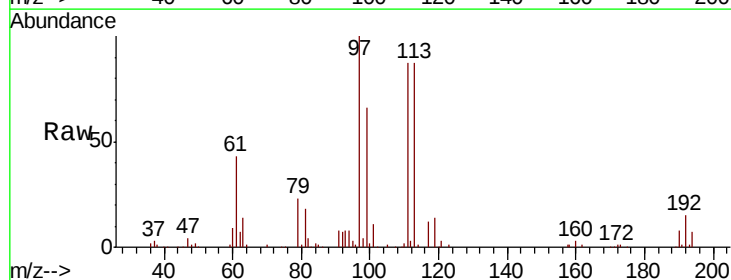
Tgt Ion: 97 Resp: 81726

Ion Ratio Lower Upper

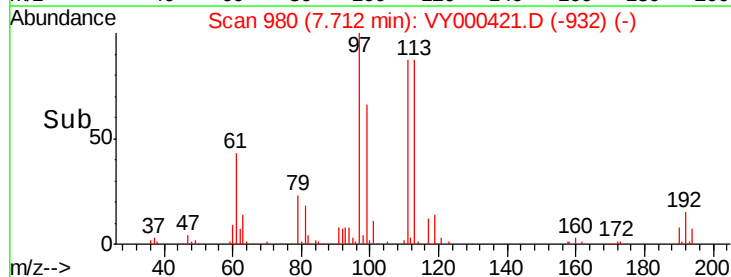
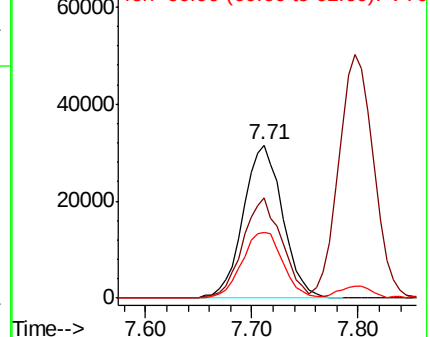
97 100

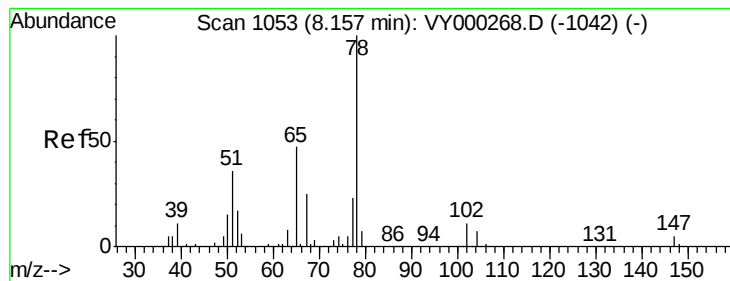
99 64.9 51.7 77.5

61 44.5 34.5 51.7



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 54.470 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

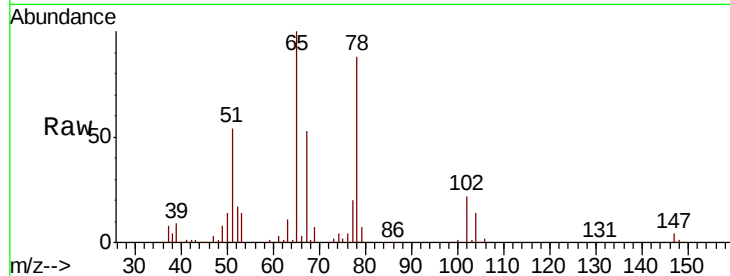
ClientSampleId :

Tot Ion: 65 Resp: 121840

Ion Ratio Lower Upper

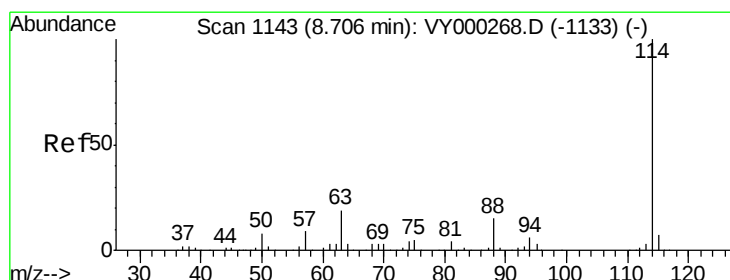
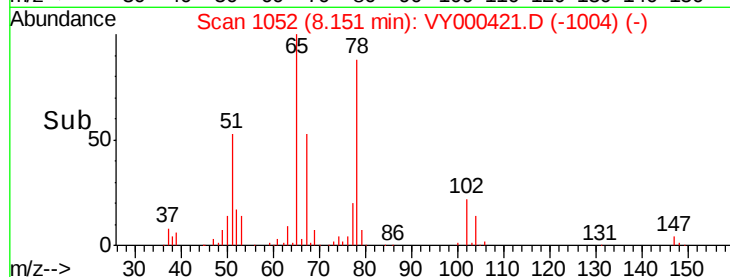
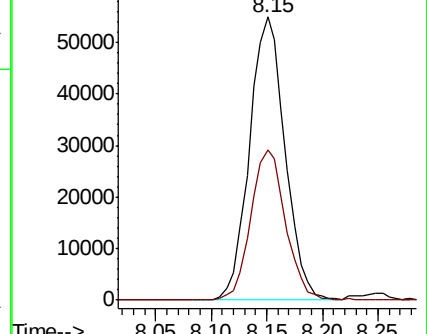
65 100

67 52.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

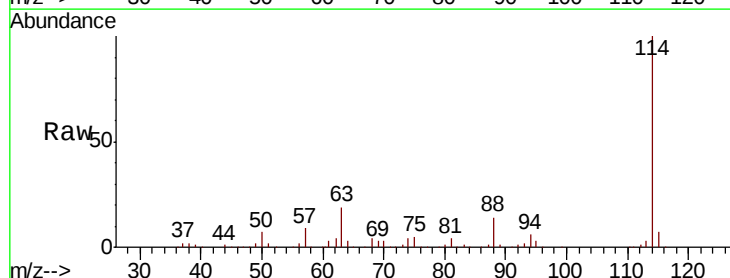
Tgt Ion: 114 Resp: 347910

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.2

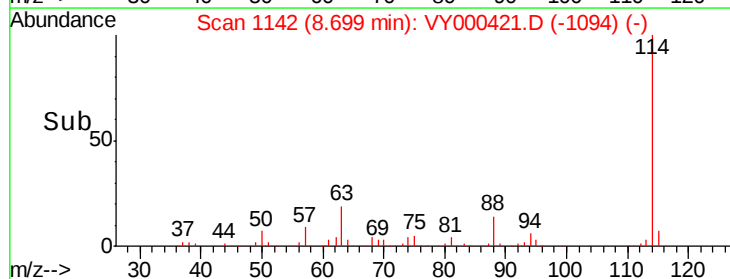
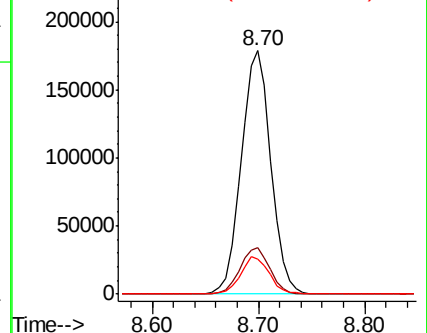
88 14.4 0.0 30.2

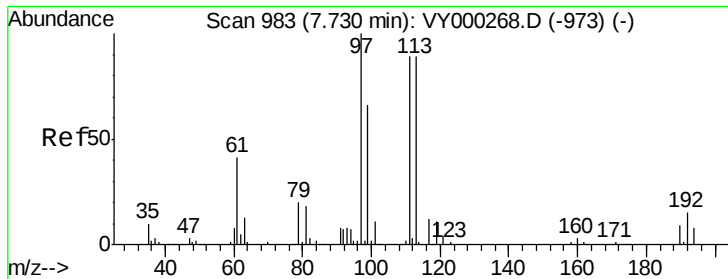


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

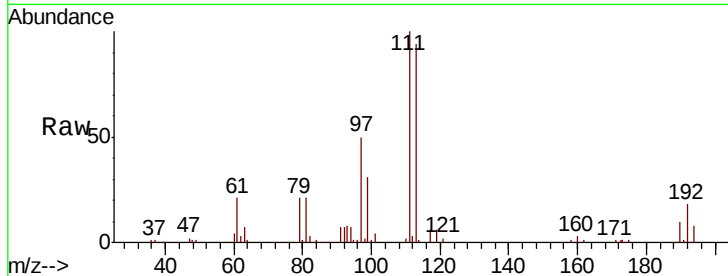




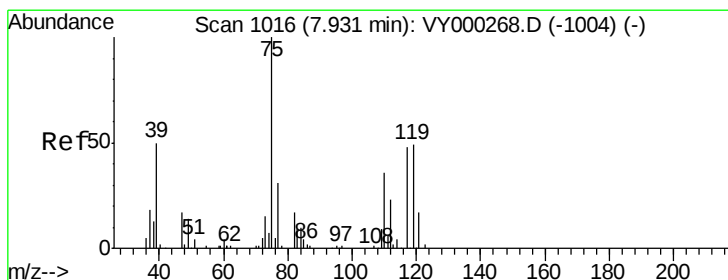
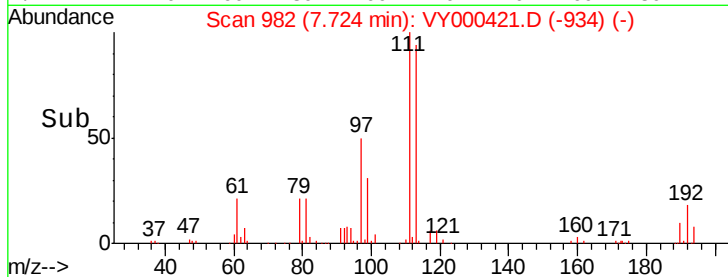
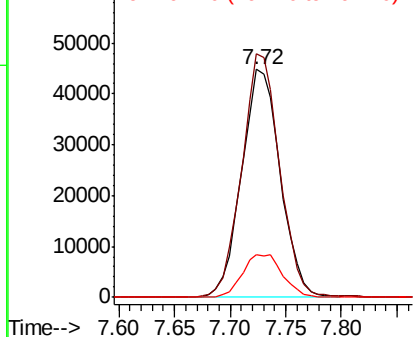
#35
 Dibromofluoromethane
 Concen: 51.632 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 108356
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.6 122.4
 192 19.5 15.3 22.9

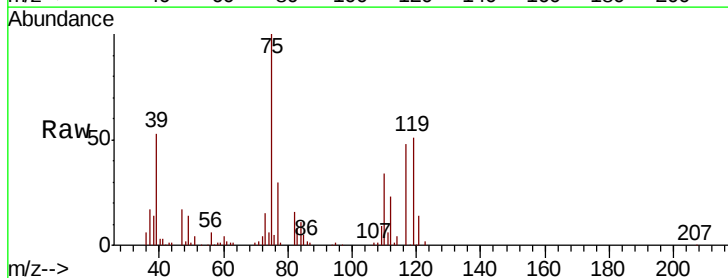


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

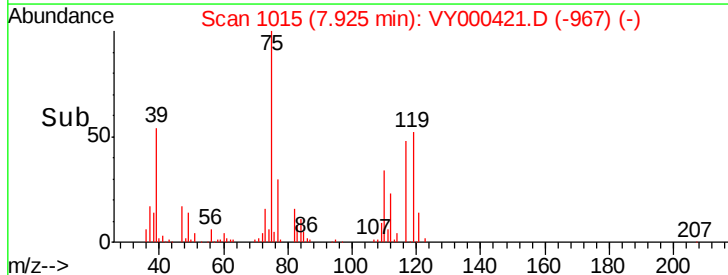
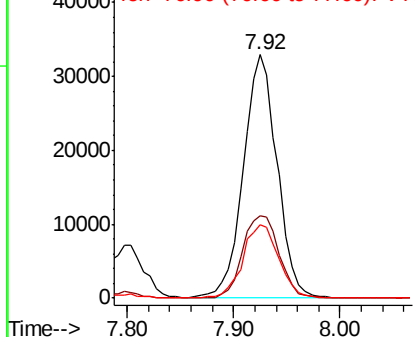


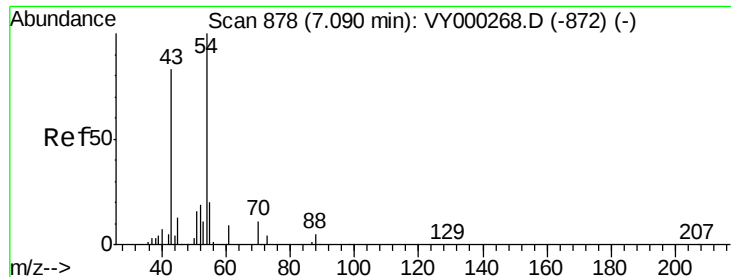
#36
 1,1-Dichloropropene
 Concen: 21.543 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 75 Resp: 73380
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.4 55.4
 77 31.9 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

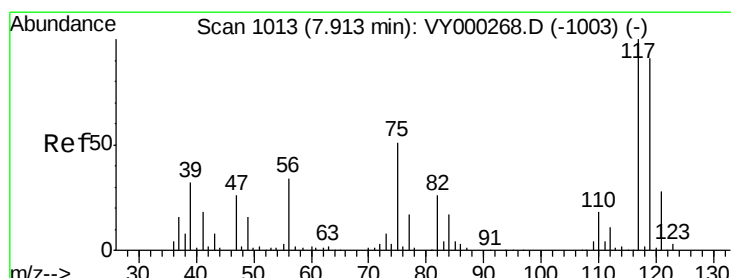
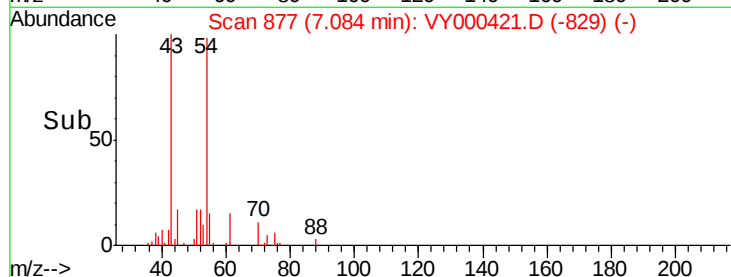
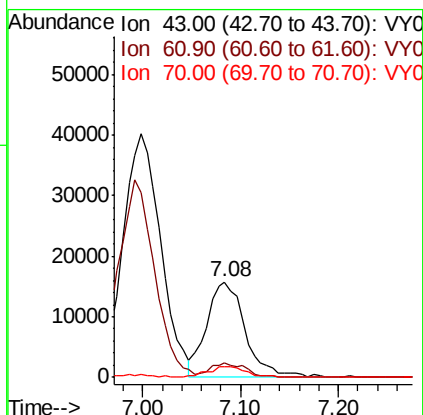
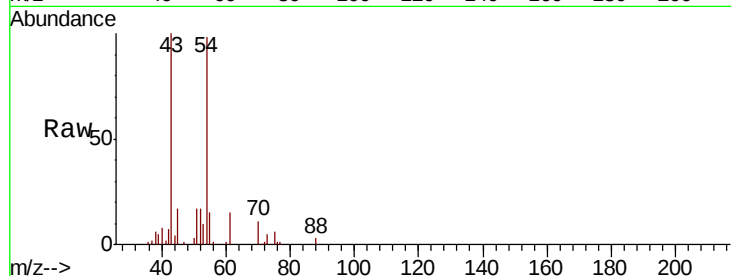




#37
Ethyl Acetate
Concen: 21.250 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

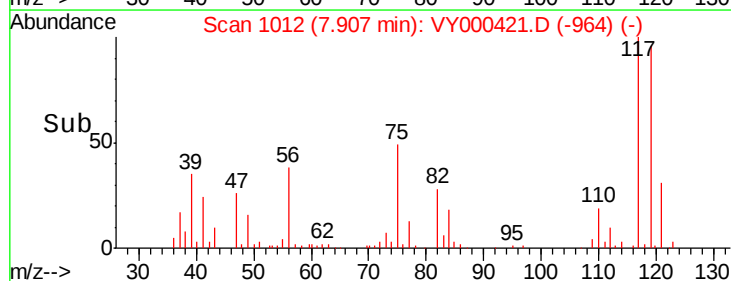
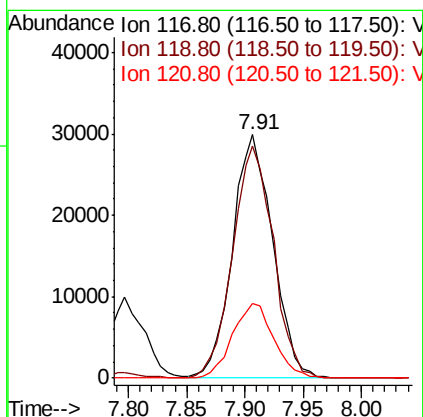
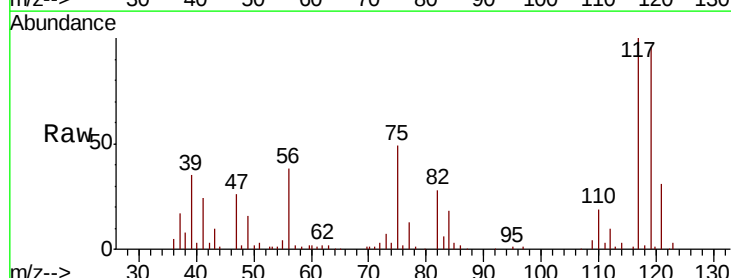
Instrument :
MSVOA_Y
ClientSampled :

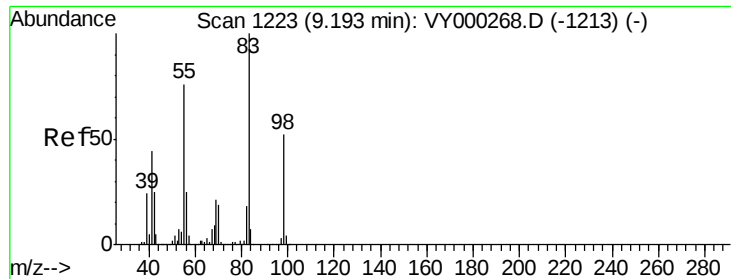
Tot Ion: 43 Resp: 42859
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 11.2 8.7 13.1



#38
Carbon Tetrachloride
Concen: 21.893 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 117 Resp: 72206
Ion Ratio Lower Upper
117 100
119 95.6 72.8 109.2
121 30.7 22.2 33.2

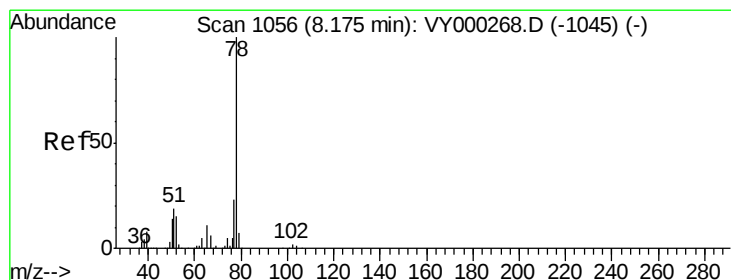
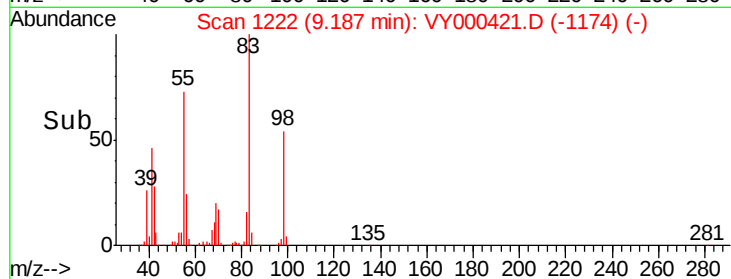
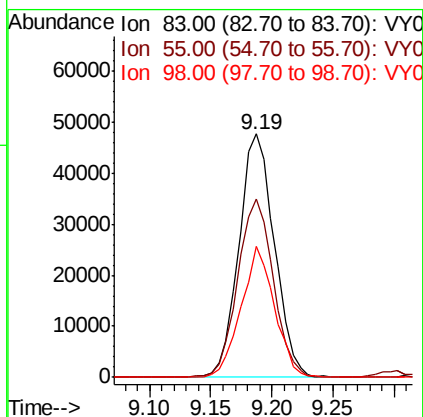
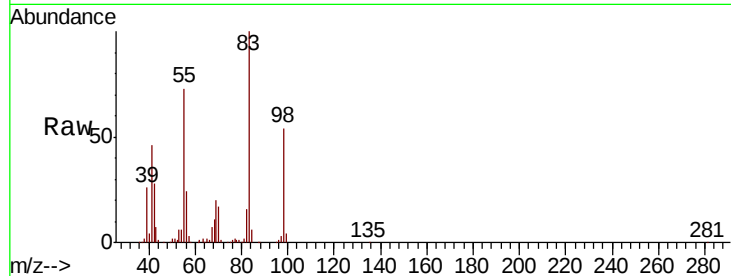




#39
Methvlcvclohexane
Concen: 21.490 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

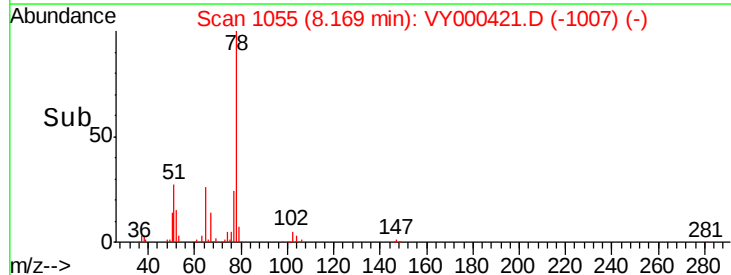
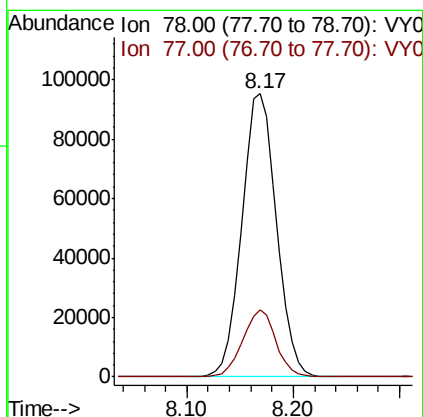
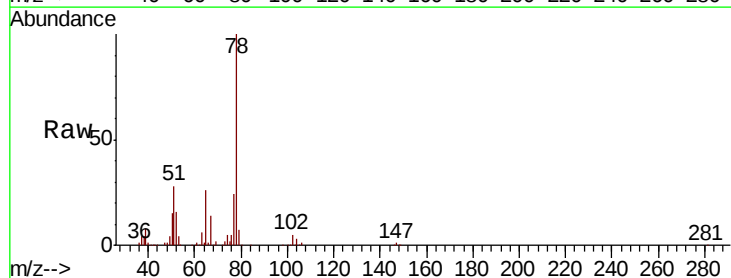
Instrument :
MSVOA_Y
ClientSampleId :

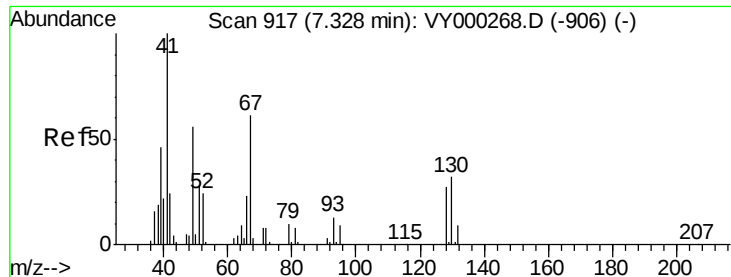
Tot Ion: 83 Resp: 95805
Ion Ratio Lower Upper
83 100
55 73.3 60.9 91.3
98 53.9 41.8 62.6



#40
Benzene
Concen: 22.082 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 78 Resp: 217364
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

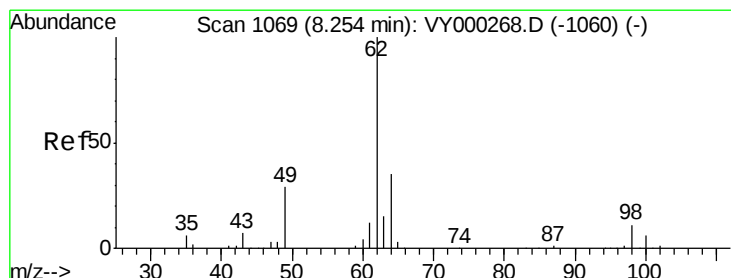
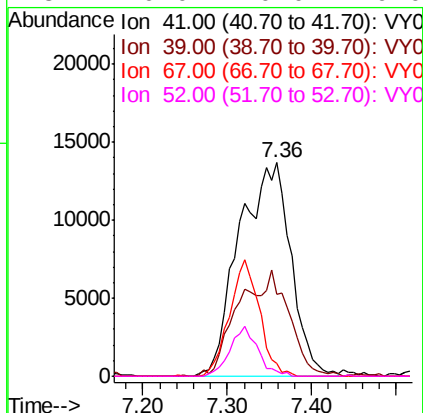
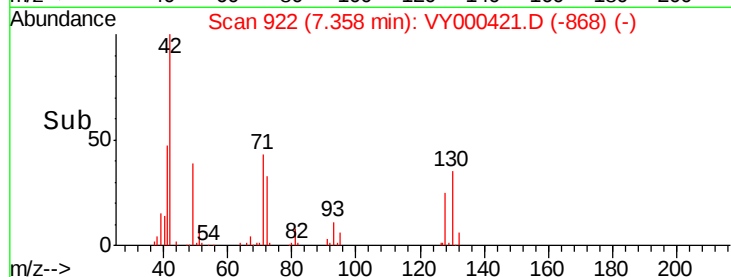
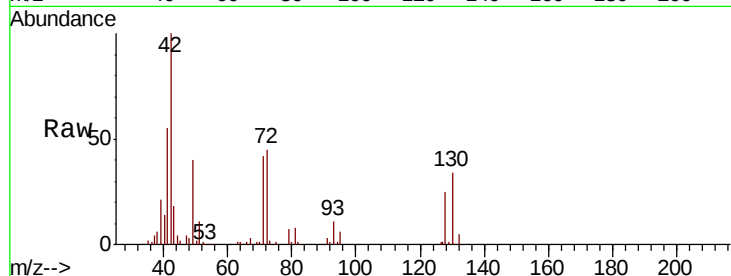




#41
Methacrylonitrile
Concen: 59.827 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

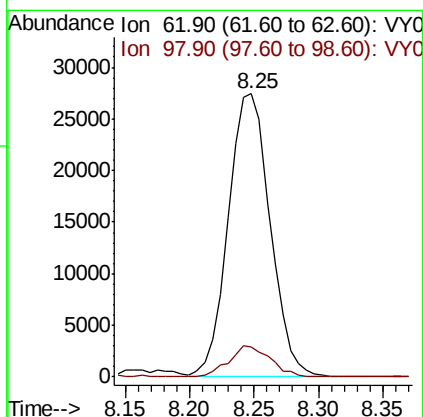
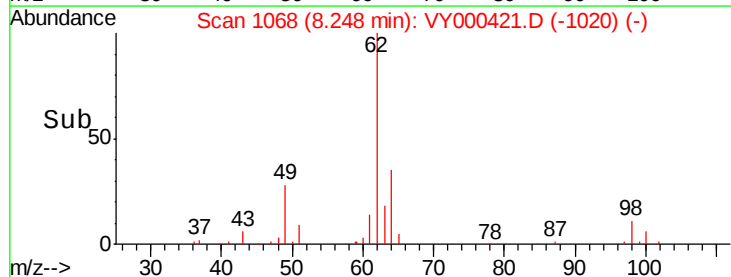
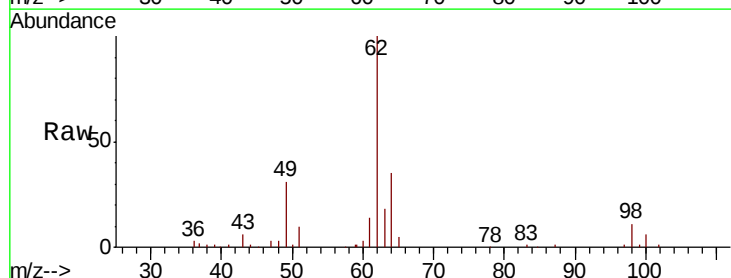
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 41 Resp: 57437
Ion Ratio Lower Upper
41 100
39 0.0 110.2 165.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 22.102 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 62 Resp: 62147
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.6





#43

Isopropyl Acetate

Concen: 21.383 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampleId :

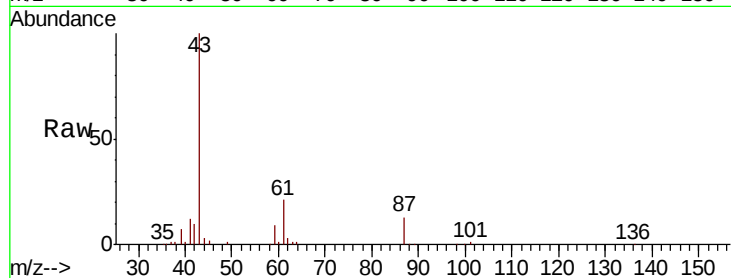
Tot Ion: 43 Resp: 82005

Ion Ratio Lower Upper

43 100

61 29.0 22.3 33.5

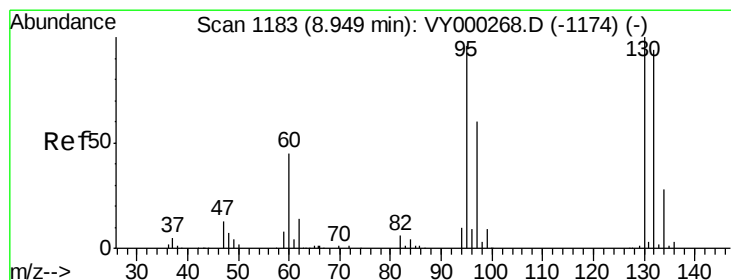
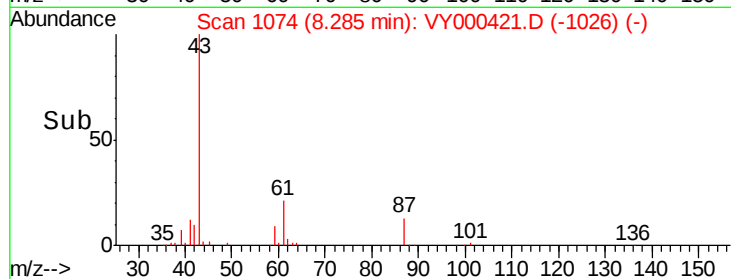
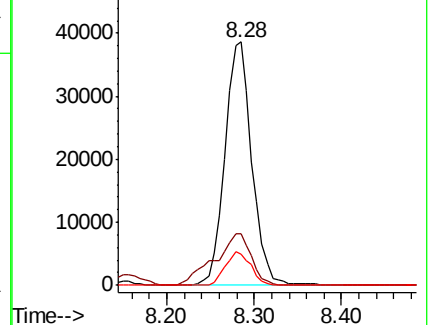
87 13.1 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY000421.D (-1065) (-)

Ion 61.00 (60.70 to 61.70): VY000421.D (-1065) (-)

Ion 87.00 (86.70 to 87.70): VY000421.D (-1065) (-)



#44

Trichloroethene

Concen: 21.850 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY000421.D

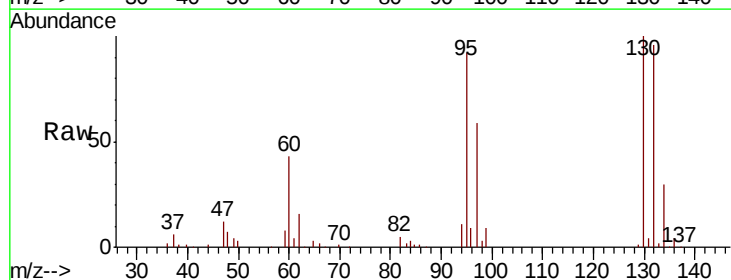
Acq: 25 Oct 2019 12:08

Tgt Ion: 130 Resp: 60350

Ion Ratio Lower Upper

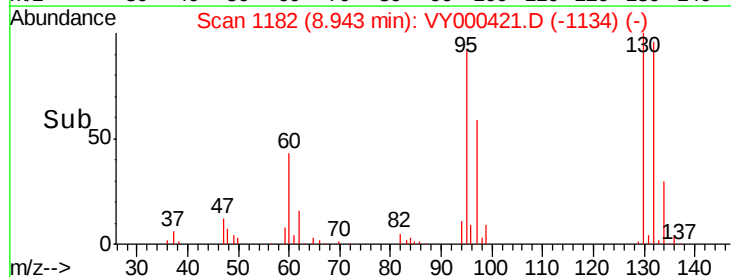
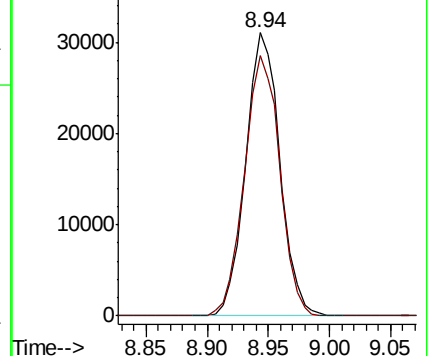
130 100

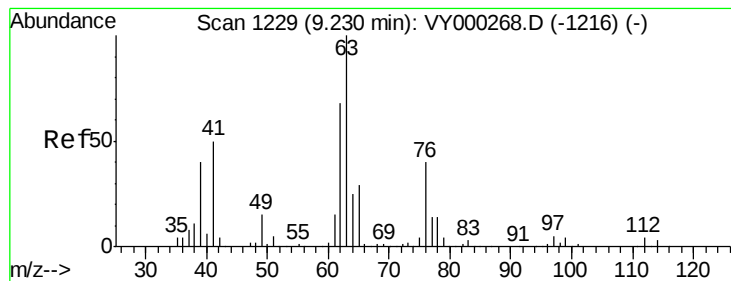
95 91.9 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VY000421.D (-1134) (-)

Ion 94.90 (94.60 to 95.60): VY000421.D (-1134) (-)





#45

1,2-Dichloropropane

Concen: 22.631 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

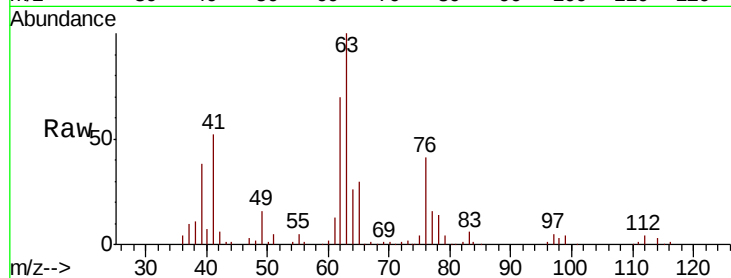
ClientSampleId :

Tot Ion: 63 Resp: 54669

Ion Ratio Lower Upper

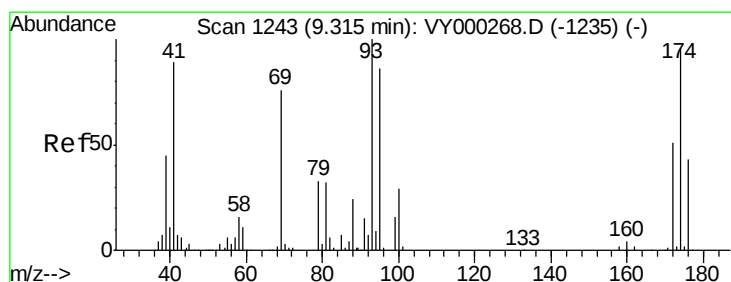
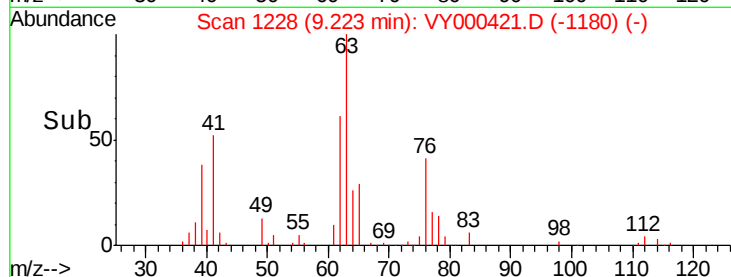
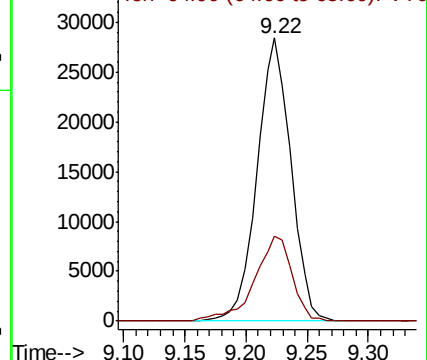
63 100

65 30.2 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 21.862 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

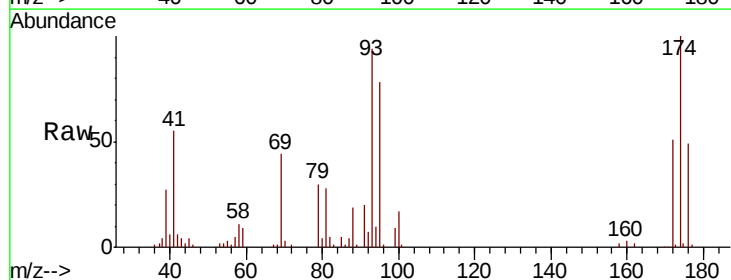
Tgt Ion: 93 Resp: 29523

Ion Ratio Lower Upper

93 100

95 83.8 68.2 102.2

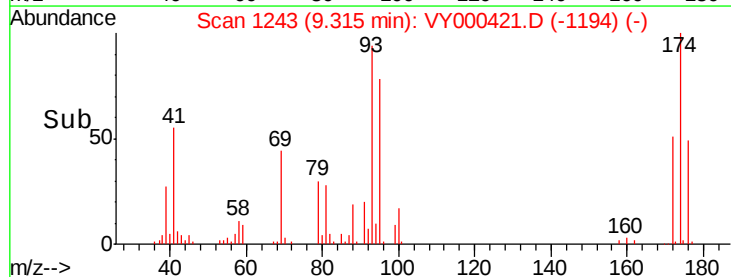
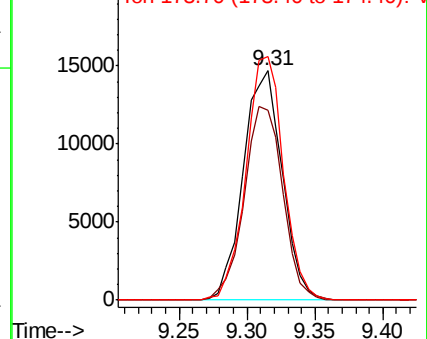
174 102.0 79.8 119.6

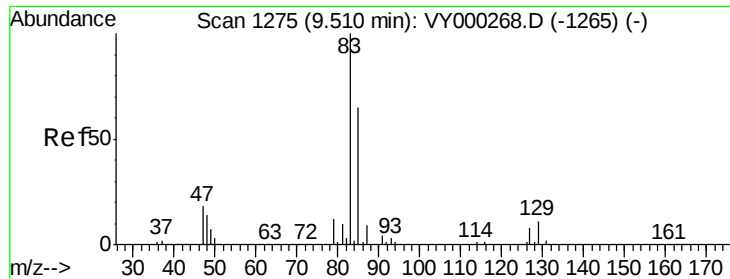


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.468 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampleId :

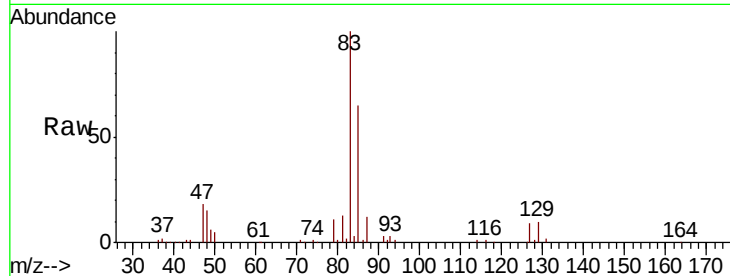
Tot Ion: 83 Resp: 71505

Ion Ratio Lower Upper

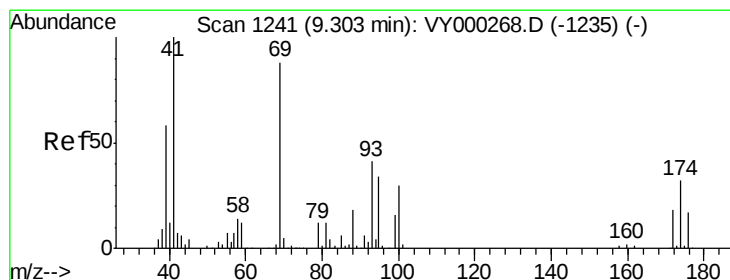
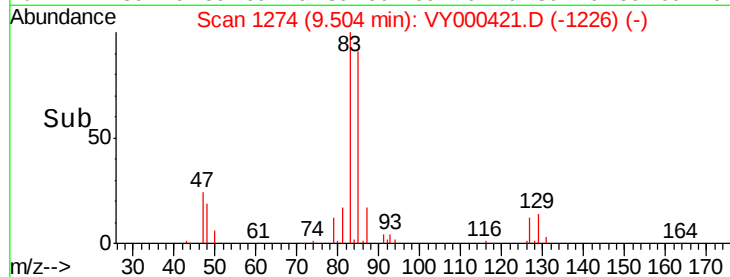
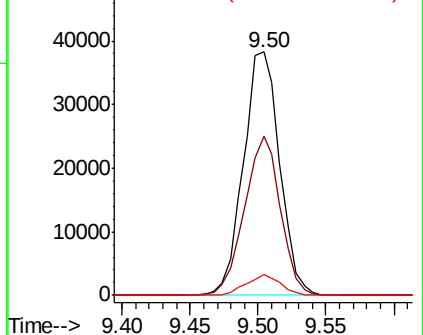
83 100

85 65.2 52.2 78.2

127 8.5 6.3 9.5



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



#48

Methyl methacrylate

Concen: 21.903 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

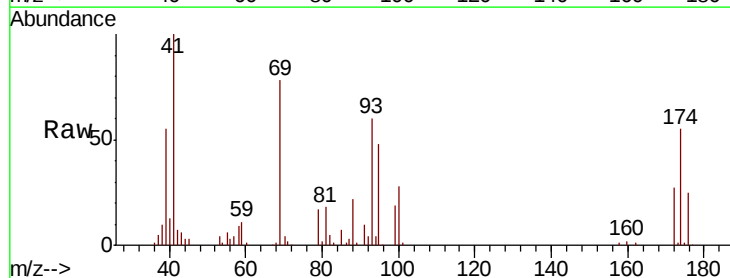
Tgt Ion: 41 Resp: 36812

Ion Ratio Lower Upper

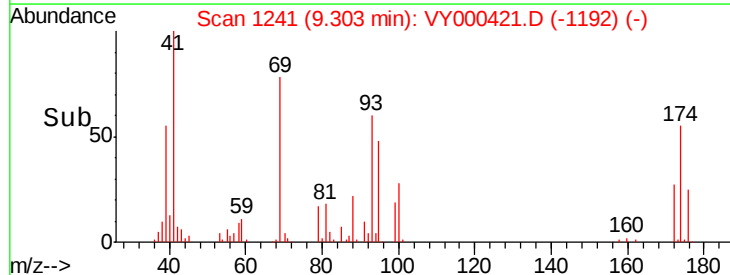
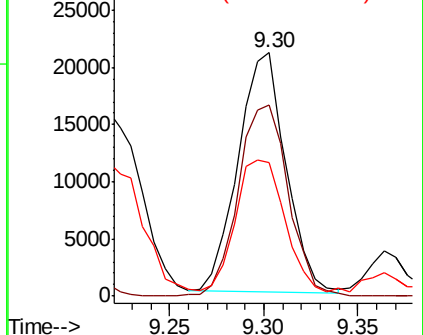
41 100

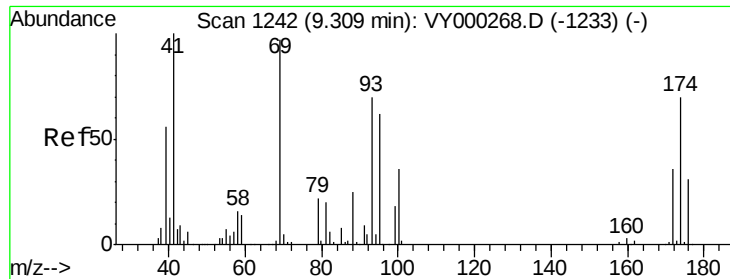
69 84.2 70.0 105.0

39 57.0 47.7 71.5



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

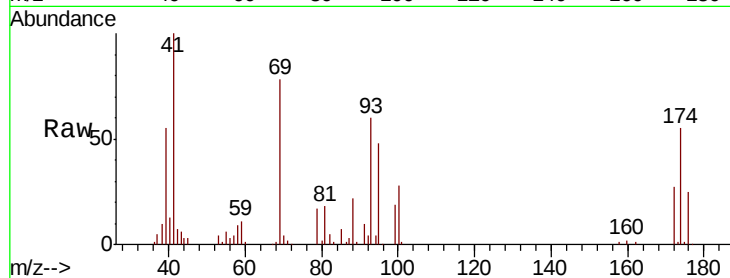




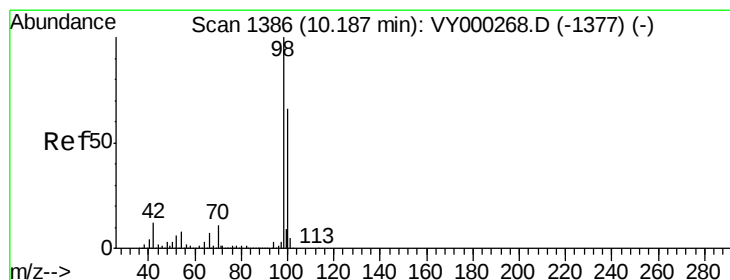
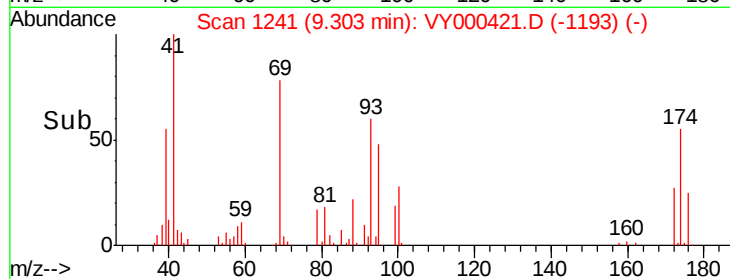
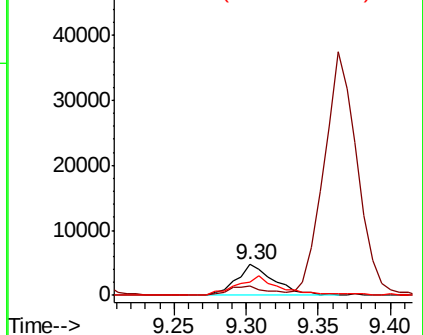
#49
 1,4-Dioxane
 Concen: 427.900 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 88 Resp: 8664
 Ion Ratio Lower Upper
 88 100
 43 32.6 25.6 38.4
 58 67.6 54.6 81.8

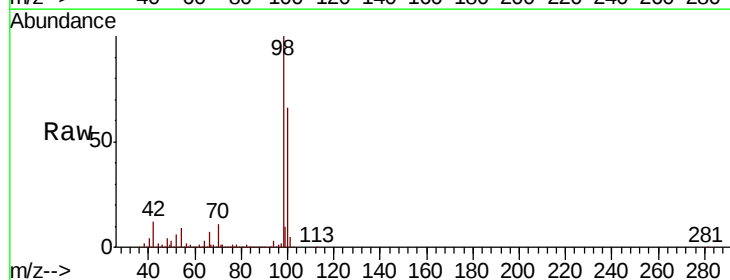


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

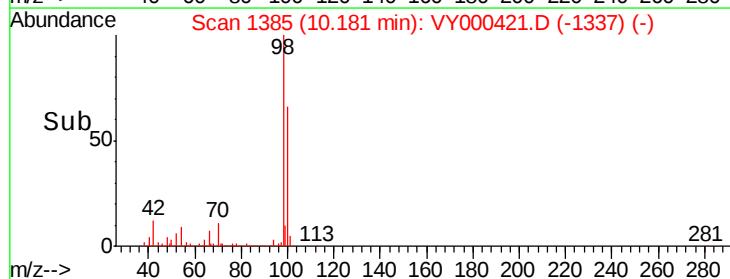
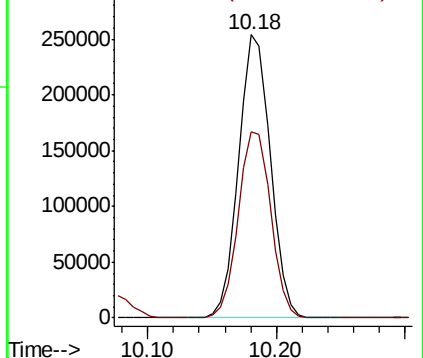


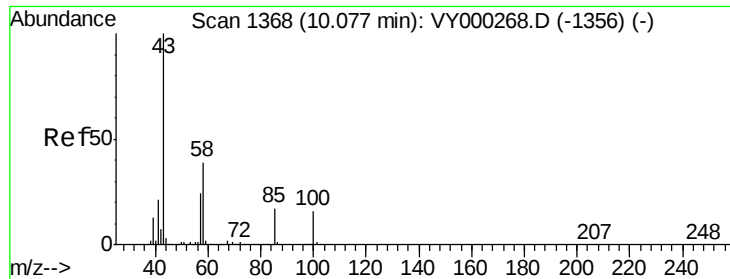
#50
 Toluene-d8
 Concen: 53.824 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 98 Resp: 434511
 Ion Ratio Lower Upper
 98 100
 100 67.0 52.8 79.2



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

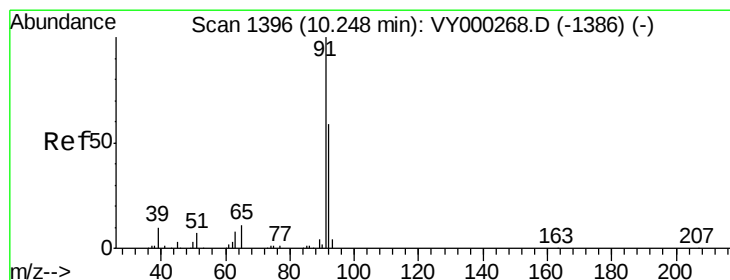
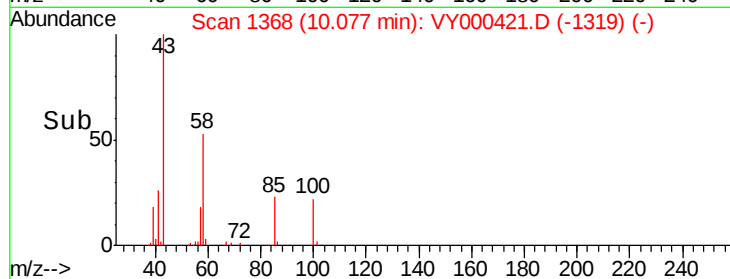
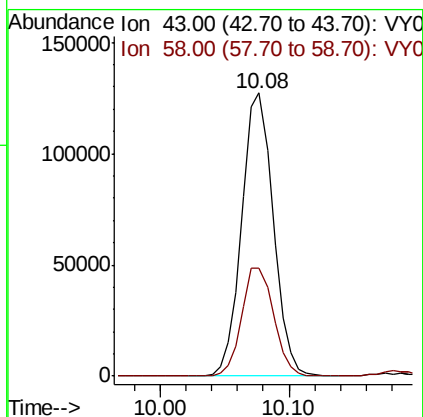
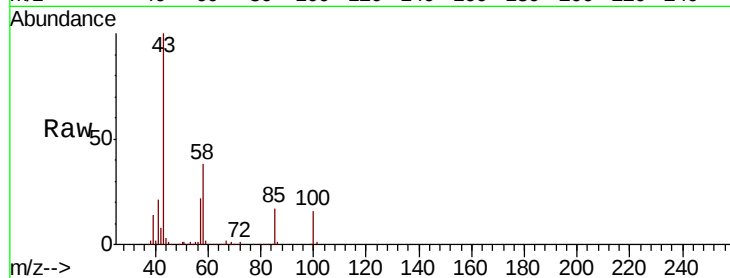




#51
4-Methyl-2-Pentanone
Concen: 109.017 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

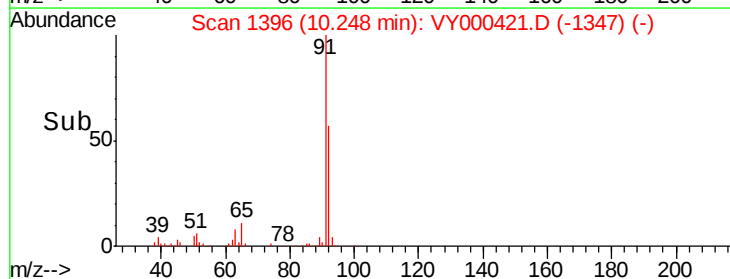
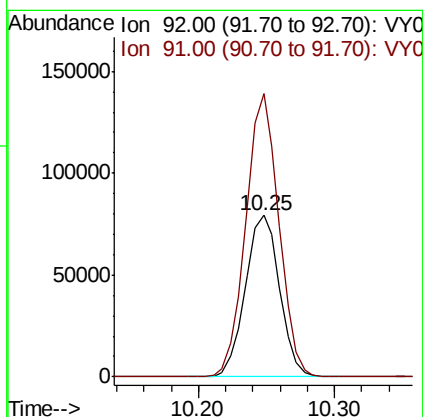
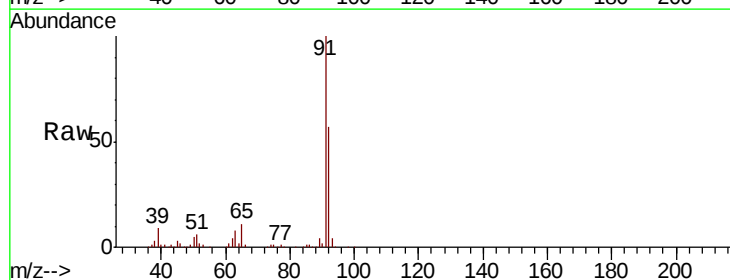
Instrument :
MSVOA_Y
ClientSampled :

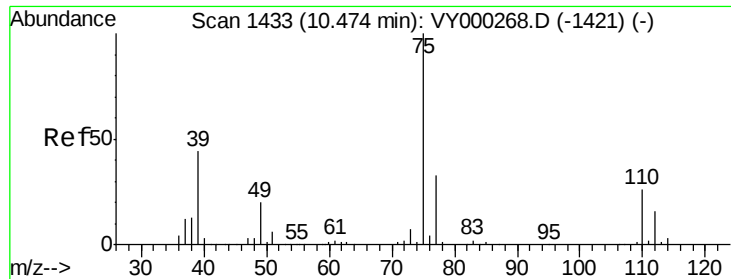
Tot Ion: 43 Resp: 215634
Ion Ratio Lower Upper
43 100
58 39.0 31.0 46.6



#52
Toluene
Concen: 22.401 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 92 Resp: 140000
Ion Ratio Lower Upper
92 100
91 168.9 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 22.216 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

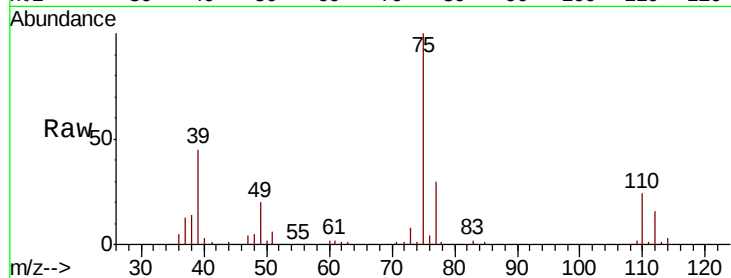
ClientSampled :

Tot Ion: 75 Resp: 75771

Ion Ratio Lower Upper

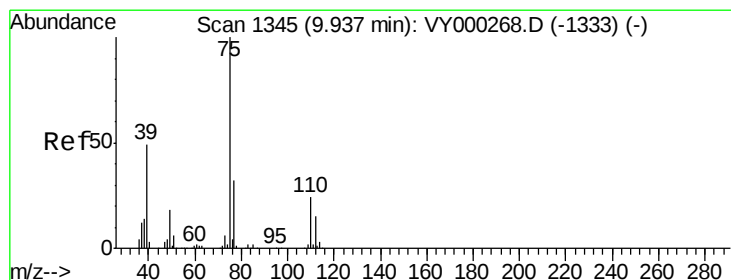
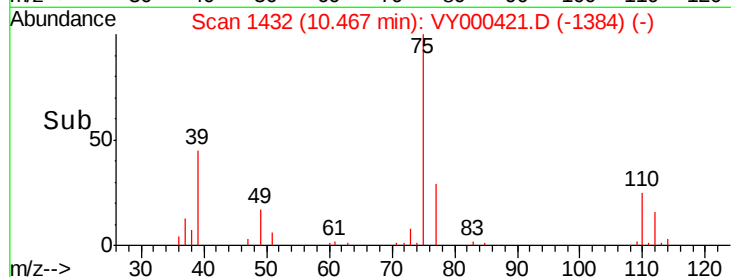
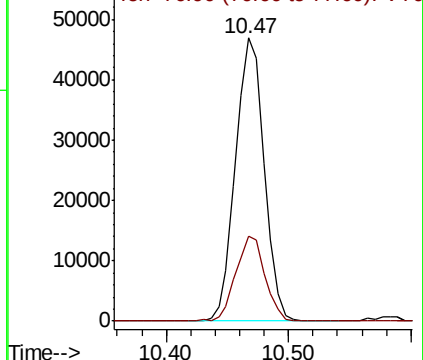
75 100

77 29.9 26.0 39.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 22.024 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

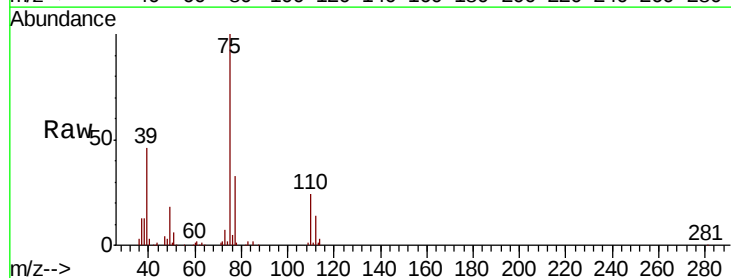
Tgt Ion: 75 Resp: 85305

Ion Ratio Lower Upper

75 100

77 33.1 26.0 39.0

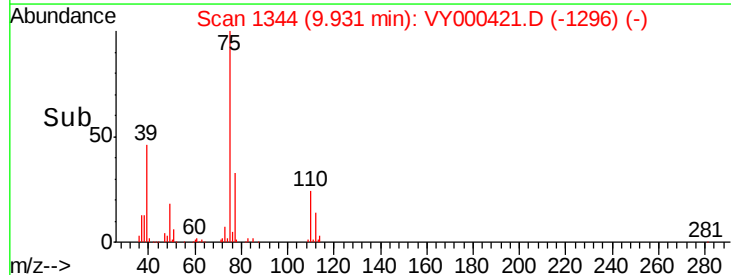
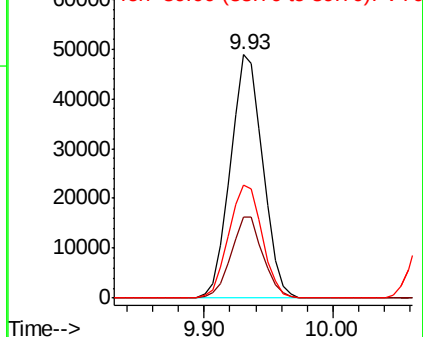
39 46.3 38.8 58.2

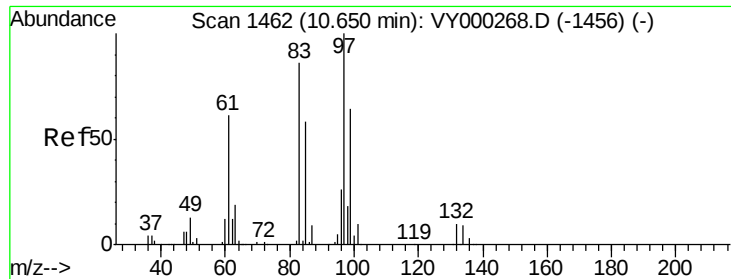


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

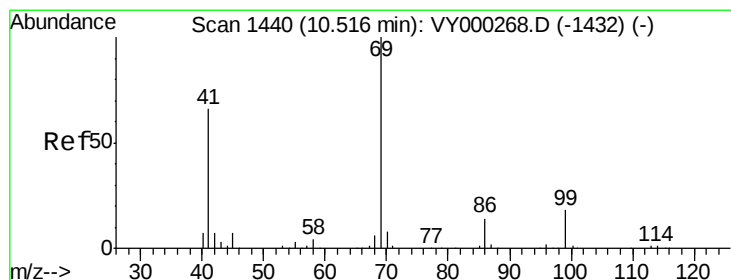
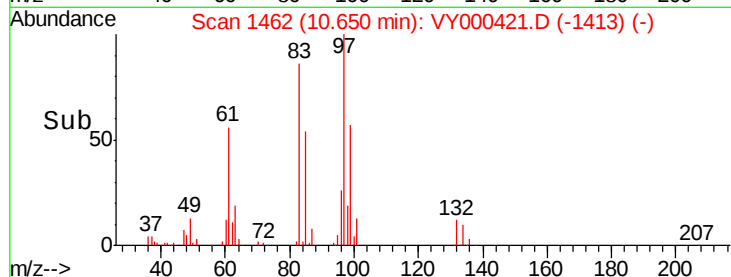
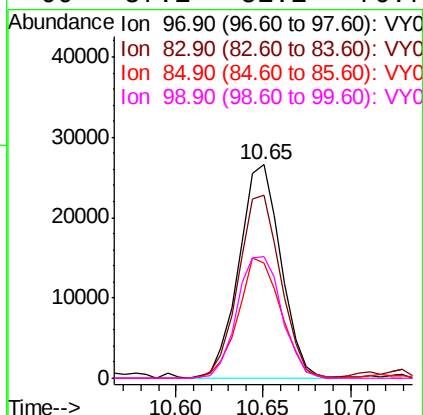
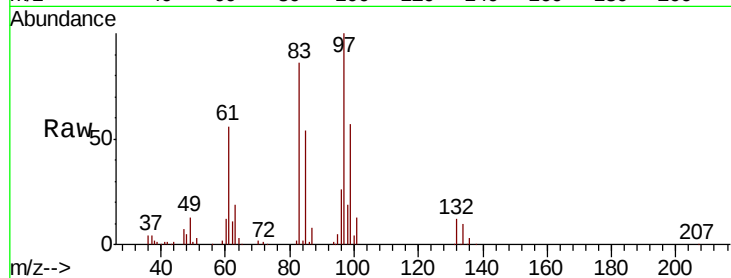




#55
 1,1,2-Trichloroethane
 Concen: 22.490 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

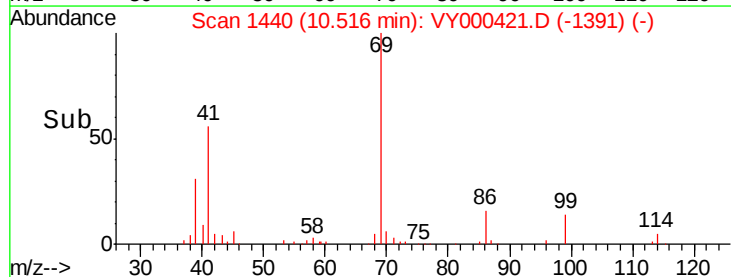
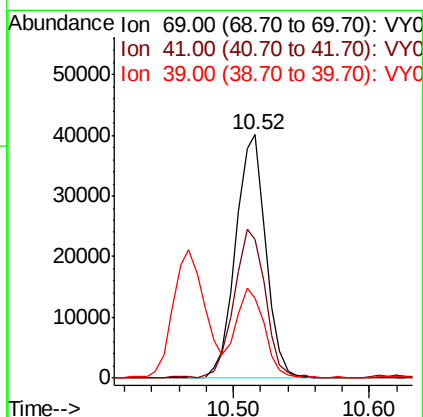
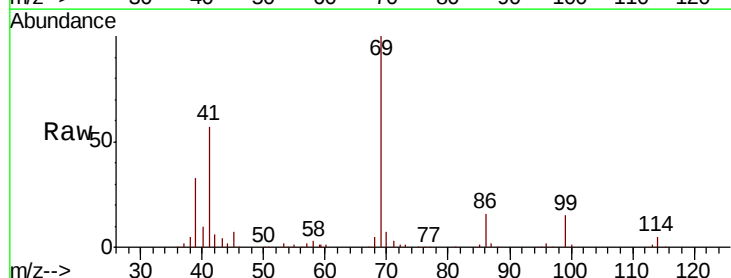
Instrument :
 MSVOA_Y
 ClientSampleId :

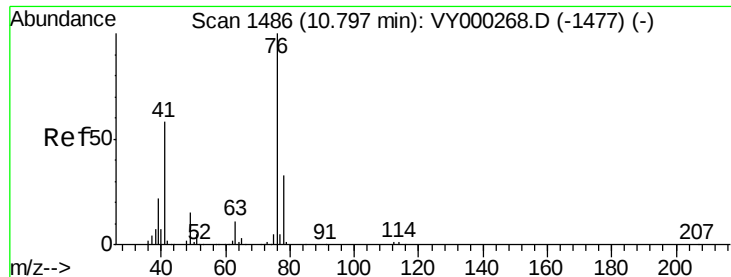
Tot Ion: 97 Resp: 44159
 Ion Ratio Lower Upper
 97 100
 83 85.9 69.0 103.6
 85 54.1 46.2 69.4
 99 57.1 51.1 76.7



#56
 Ethyl methacrylate
 Concen: 22.032 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 69 Resp: 61658
 Ion Ratio Lower Upper
 69 100
 41 63.6 52.5 78.7
 39 35.0 26.7 40.1





#57

1,3-Dichloropropane

Concen: 22.676 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

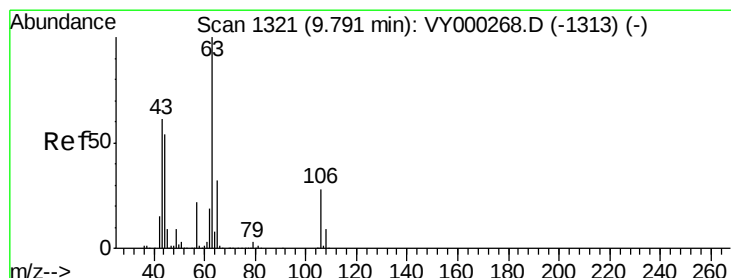
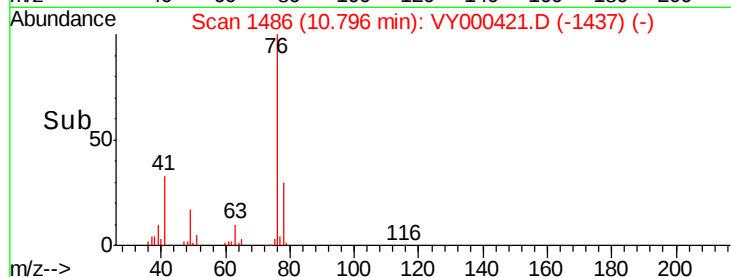
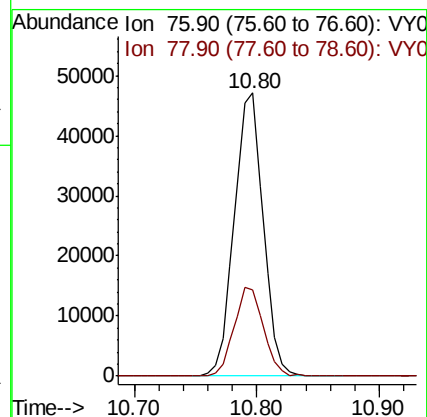
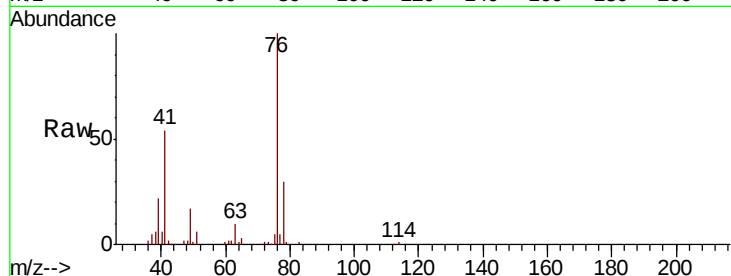
ClientSampled :

Tot Ion: 76 Resp: 76465

Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 120.536 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000421.D

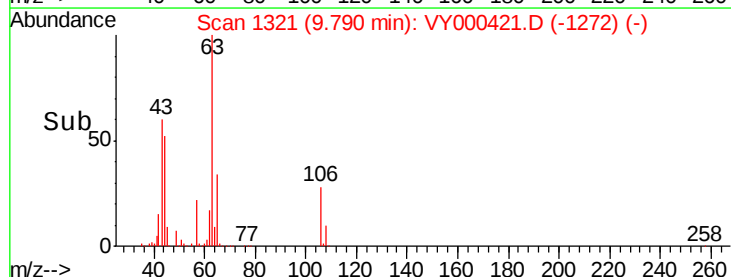
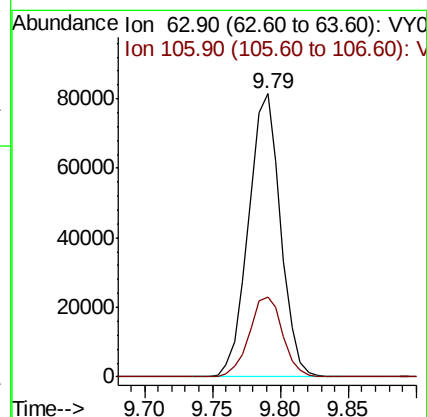
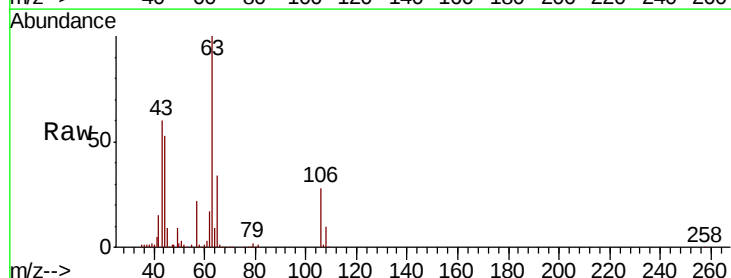
Acq: 25 Oct 2019 12:08

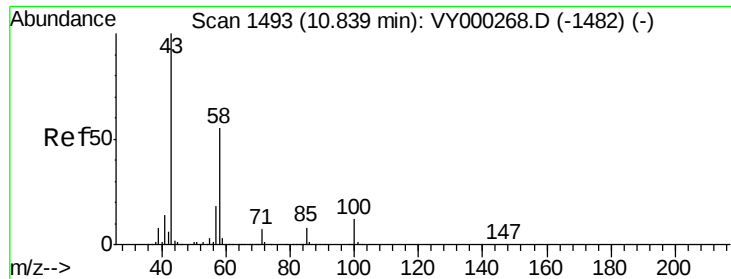
Tgt Ion: 63 Resp: 134552

Ion Ratio Lower Upper

63 100

106 29.3 23.0 34.4

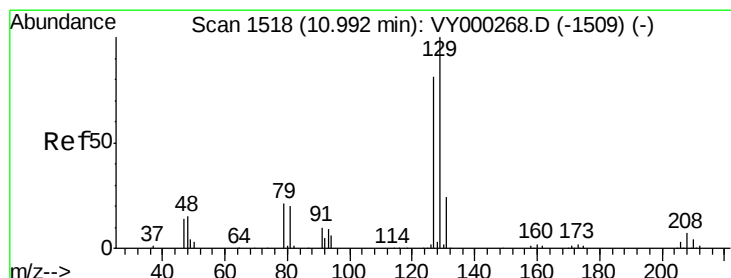
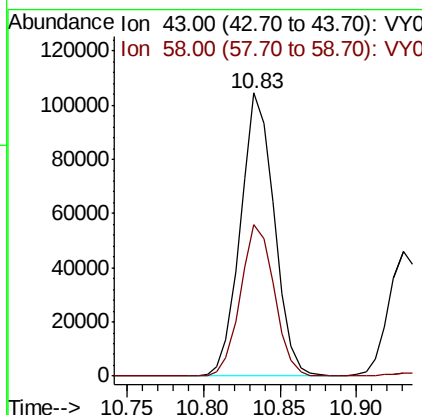
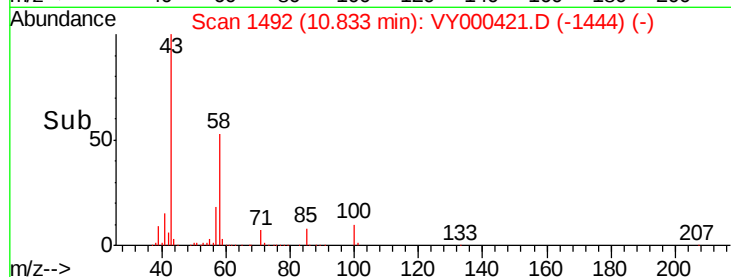
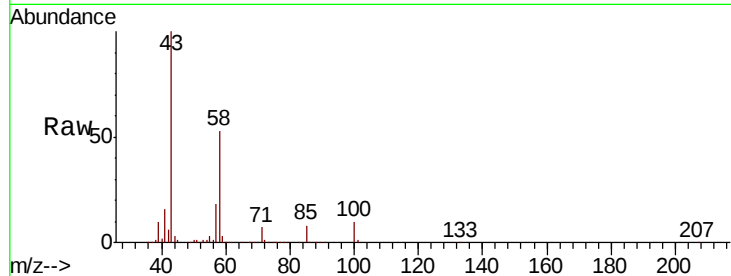




#59
2-Hexanone
Concen: 115.540 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

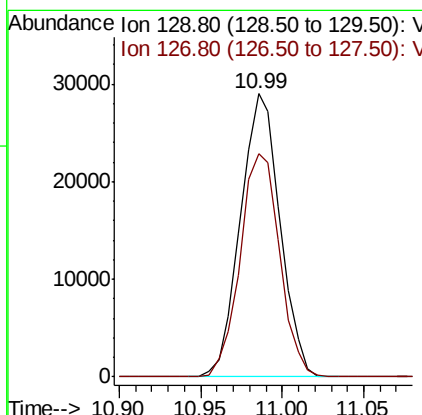
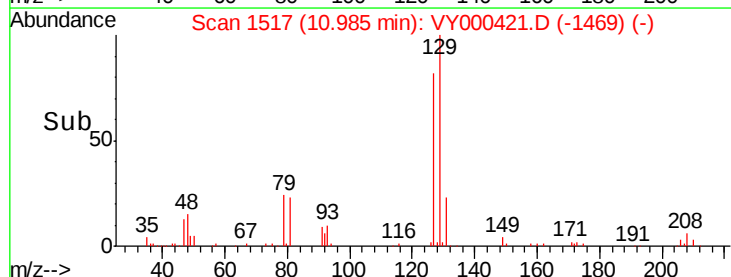
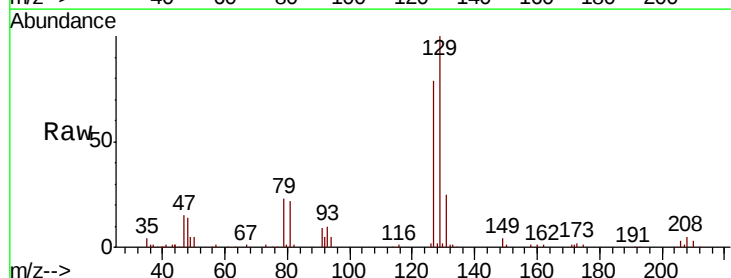
Instrument :
MSVOA_Y
ClientSampleId :

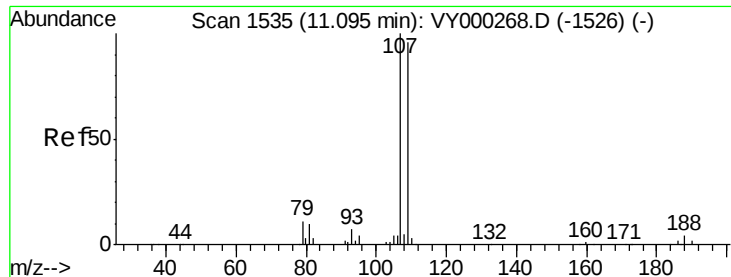
Tot Ion: 43 Resp: 160413
Ion Ratio Lower Upper
43 100
58 53.6 27.7 83.1



#60
Dibromochloromethane
Concen: 22.504 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 129 Resp: 48974
Ion Ratio Lower Upper
129 100
127 78.8 39.9 119.7

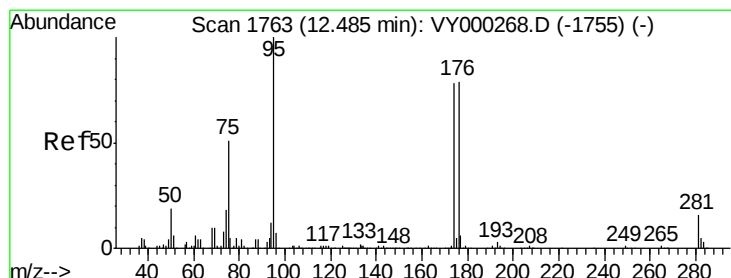
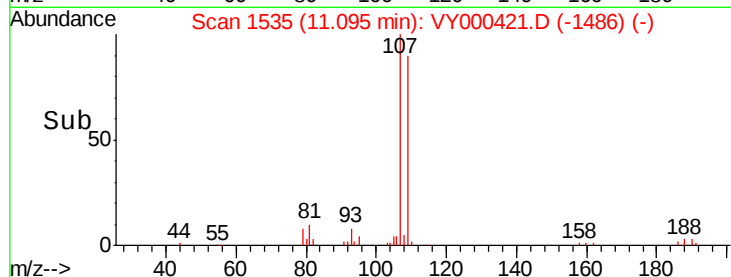
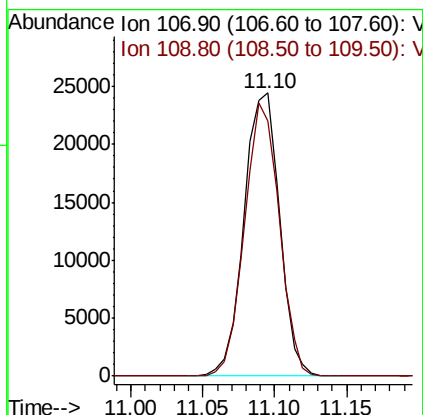
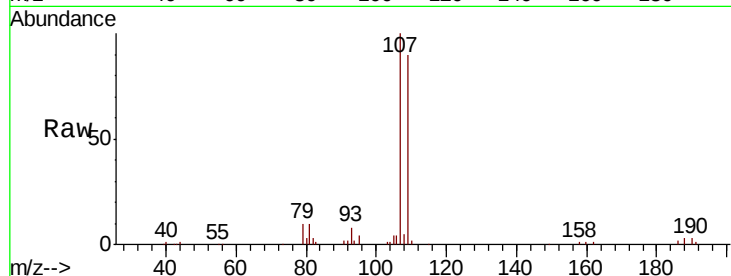




#61
 1,2-Dibromoethane
 Concen: 22.058 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

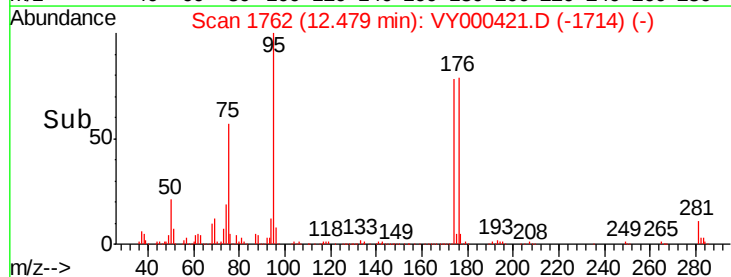
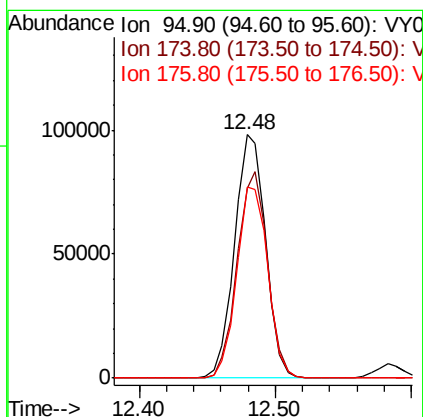
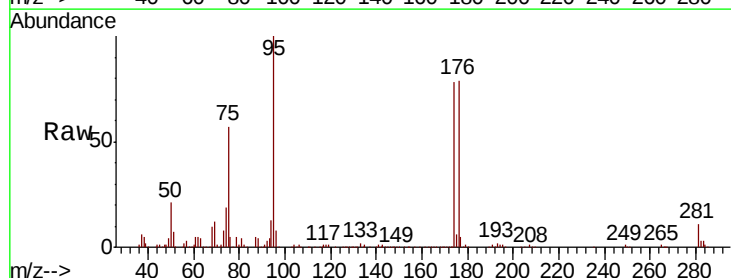
Instrument :
 MSVOA_Y
 ClientSampled :

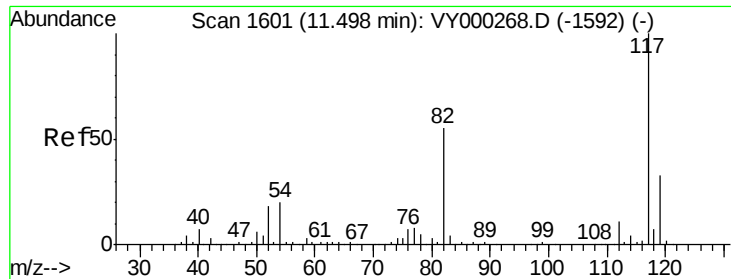
Tot Ion: 107 Resp: 41585
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.664 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion: 95 Resp: 155384
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 159.6
 176 78.8 0.0 153.8

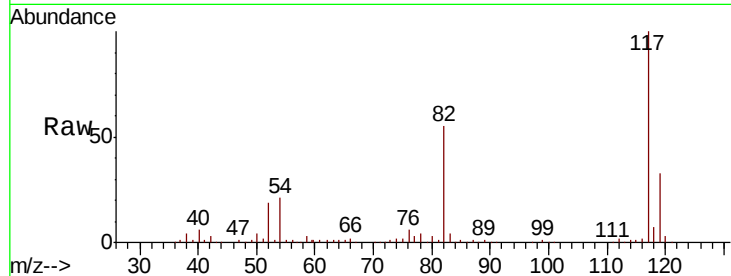




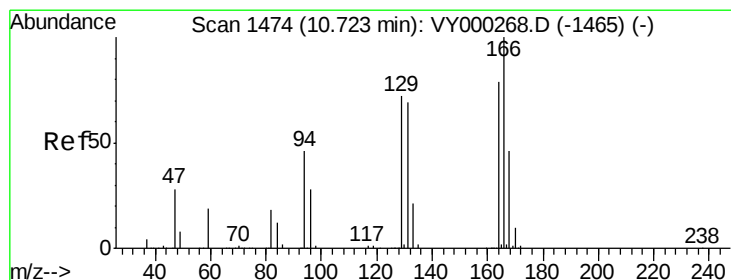
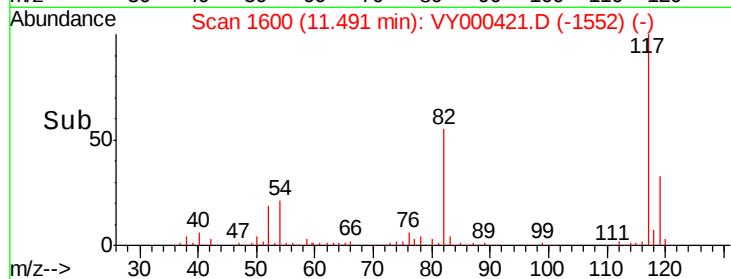
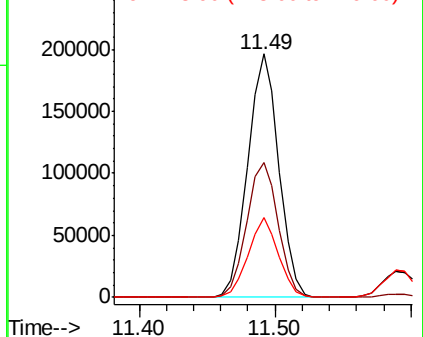
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 313704
Ion Ratio Lower Upper
117 100
82 55.5 43.7 65.5
119 32.5 26.6 39.8

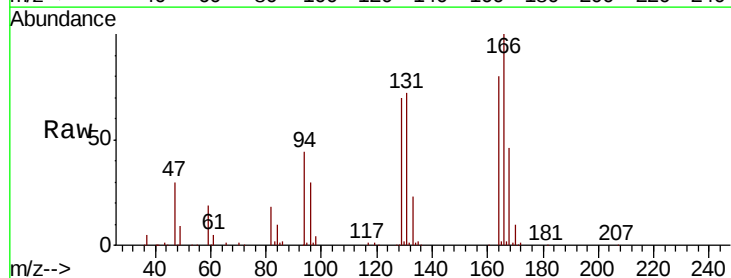


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

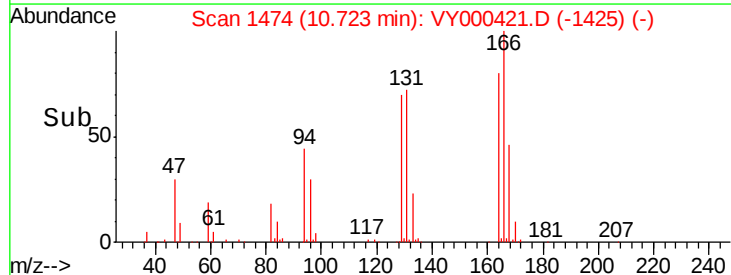
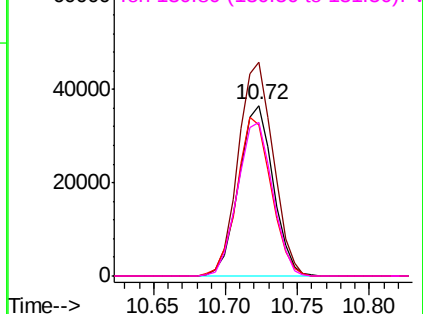


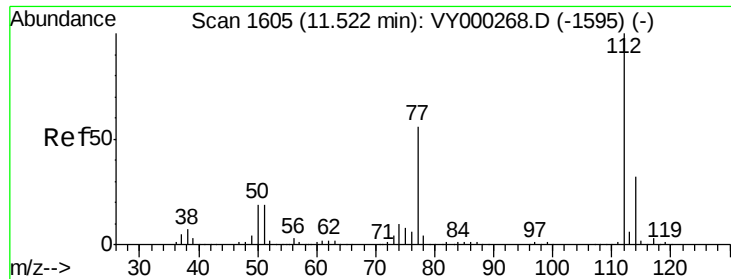
#64
Tetrachloroethene
Concen: 20.238 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion:164 Resp: 60441
Ion Ratio Lower Upper
164 100
166 125.3 100.6 151.0
129 88.4 72.8 109.2
131 90.2 69.4 104.2



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

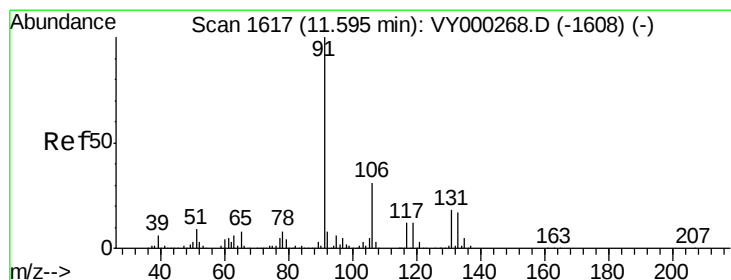
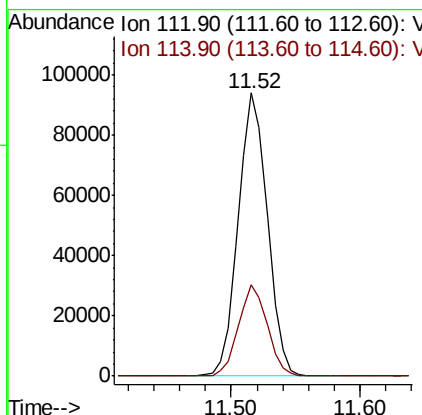
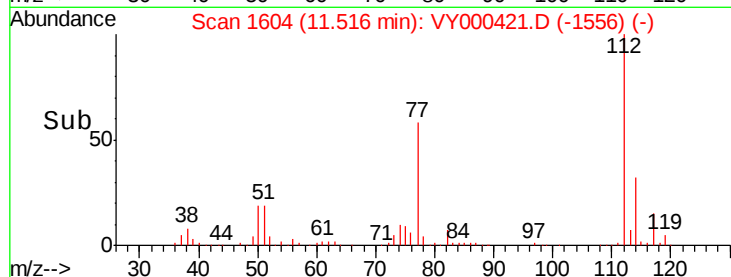
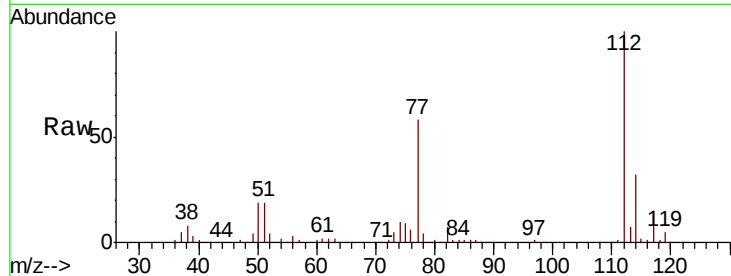




#65
Chlorobenzene
Concen: 22.257 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

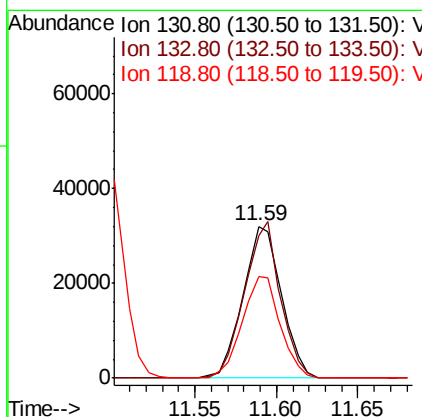
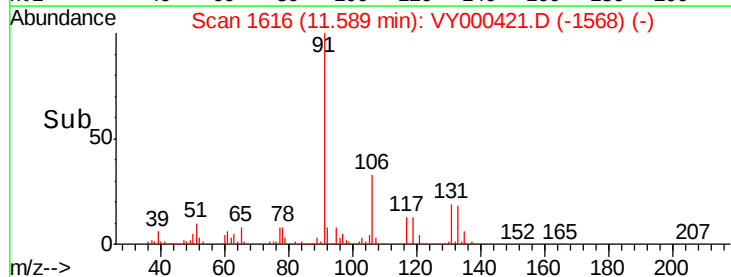
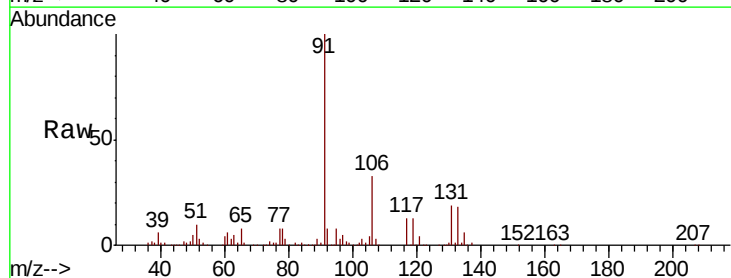
Instrument :
MSVOA_Y
ClientSampleId :

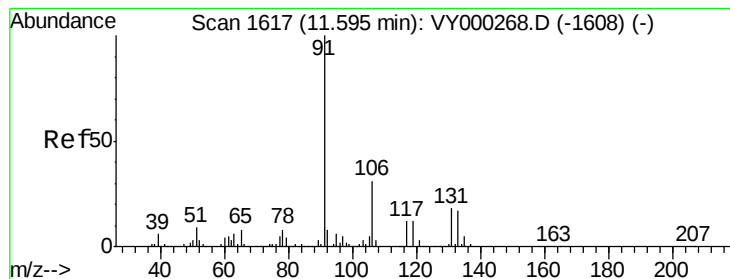
Tot Ion:112 Resp: 147354
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.718 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion:131 Resp: 52835
Ion Ratio Lower Upper
131 100
133 95.6 47.2 141.6
119 66.3 32.6 98.0





#67

Ethyl Benzene

Concen: 21.854 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

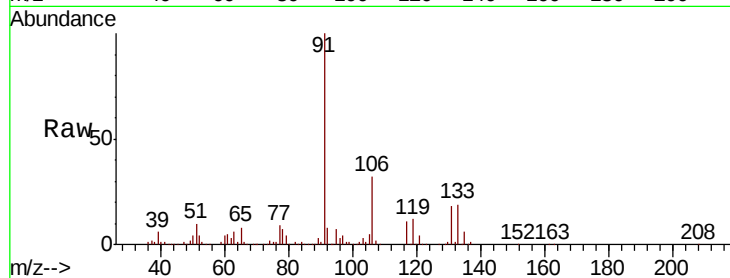
ClientSampleId :

Tot Ion: 91 Resp: 268218

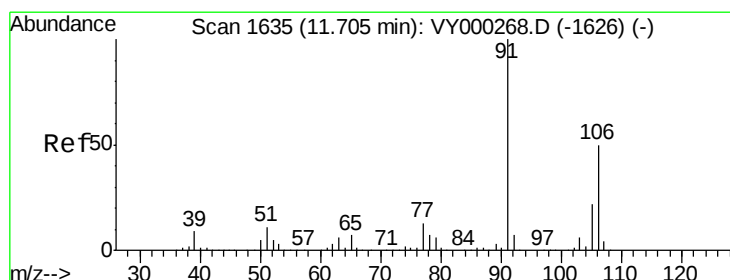
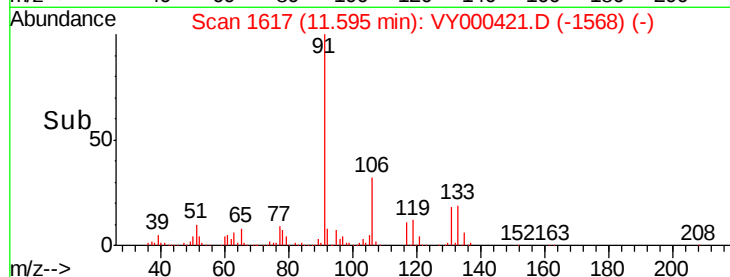
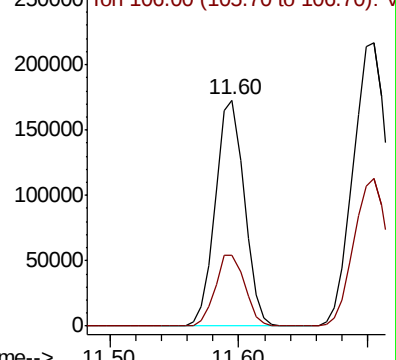
Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1608) (-)



#68

m/p-Xylenes

Concen: 44.339 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000421.D

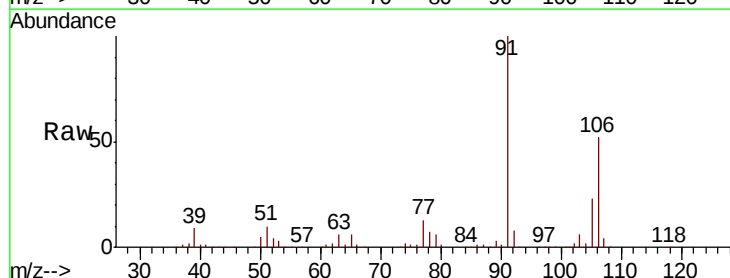
Acq: 25 Oct 2019 12:08

Tgt Ion: 106 Resp: 208028

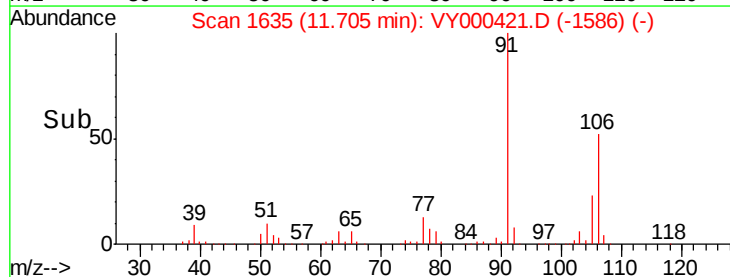
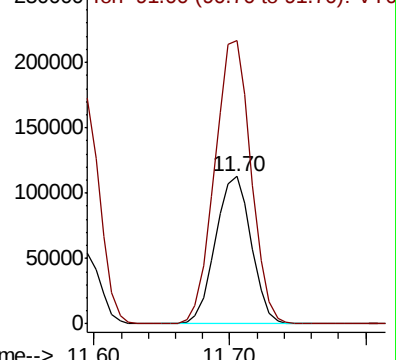
Ion Ratio Lower Upper

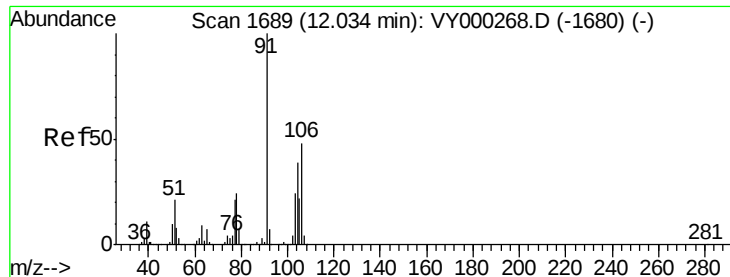
106 100

91 194.6 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VY000268.D (-1626) (-)

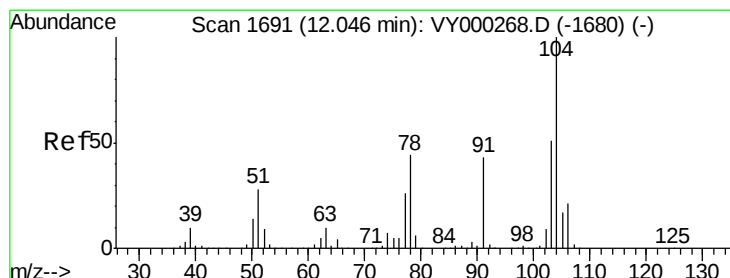
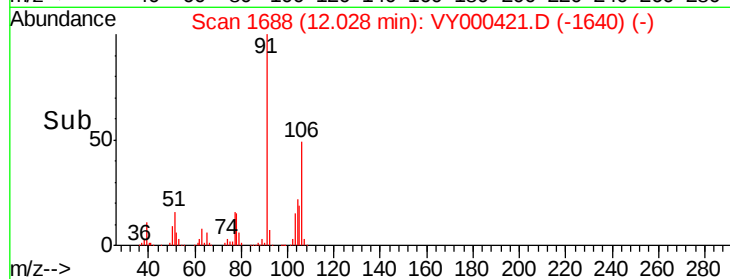
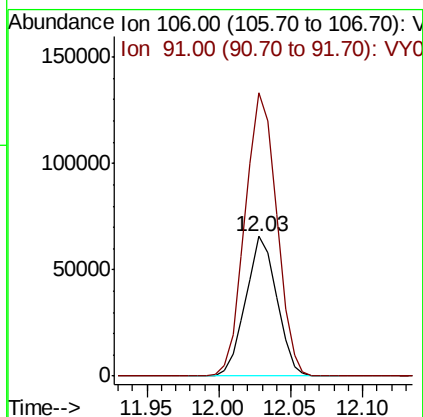
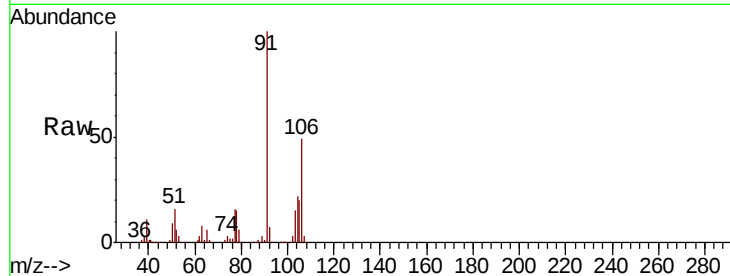




#69
o-Xylene
Concen: 21.990 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

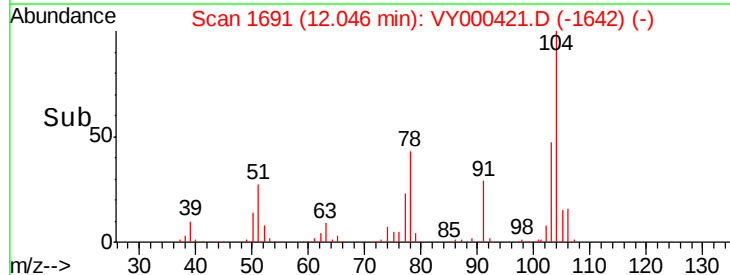
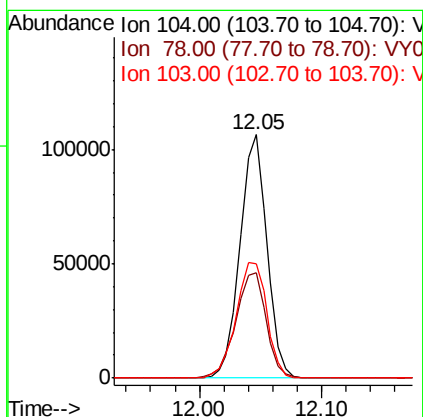
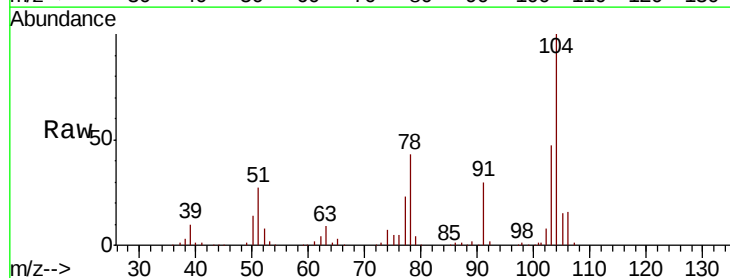
Instrument :
MSVOA_Y
ClientSampled :

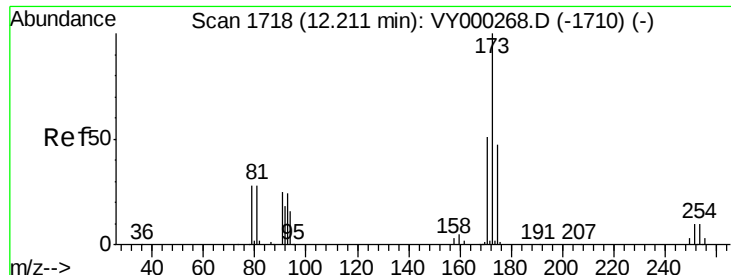
Tot Ion:106 Resp: 98423
Ion Ratio Lower Upper
106 100
91 206.5 104.7 313.9



#70
Styrene
Concen: 21.519 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion:104 Resp: 162431
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 54.2 43.1 64.7





#71

Bromoform

Concen: 22.399 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampled :

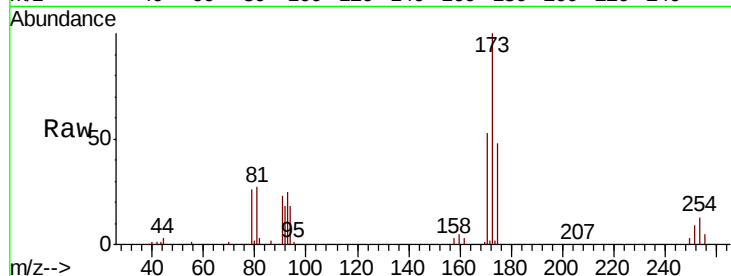
Tot Ion:173 Resp: 29946

Ion Ratio Lower Upper

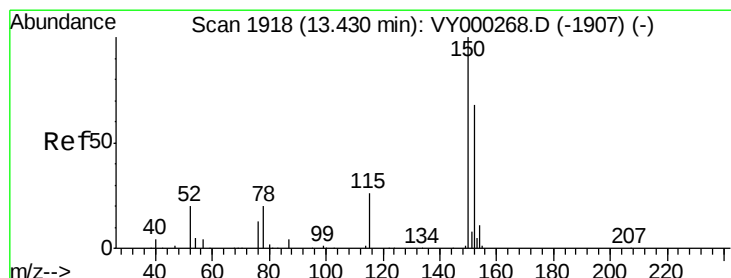
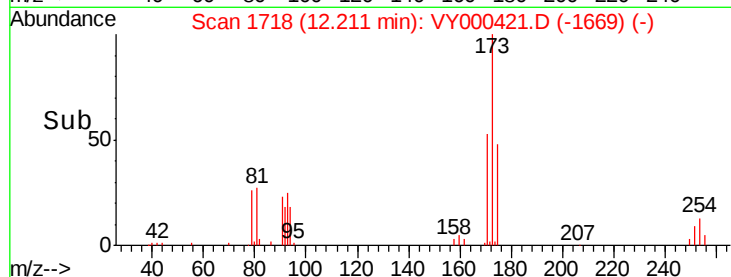
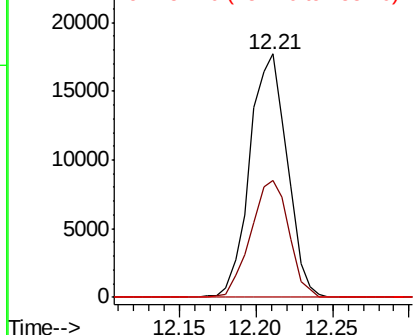
173 100

175 49.1 24.6 73.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

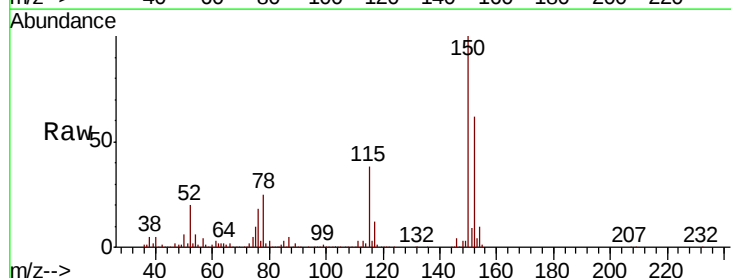
Tgt Ion:152 Resp: 157719

Ion Ratio Lower Upper

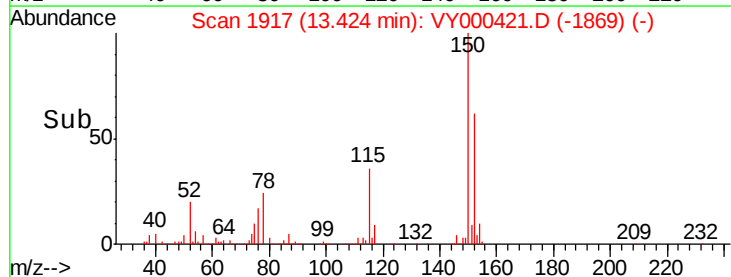
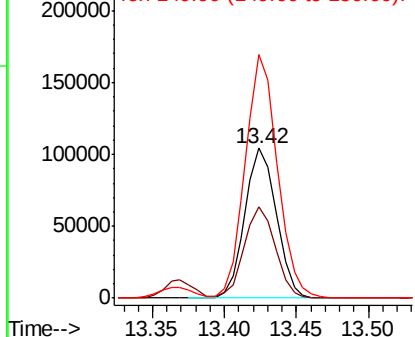
152 100

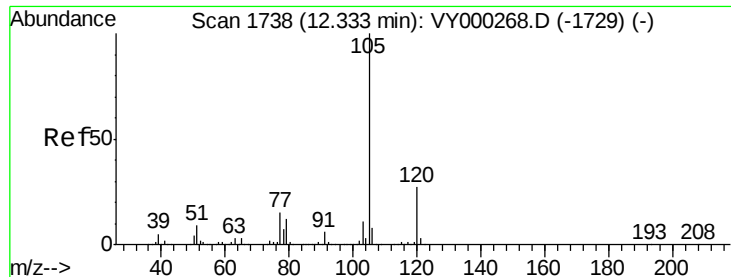
115 60.1 29.3 88.0

150 166.5 0.0 348.4



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

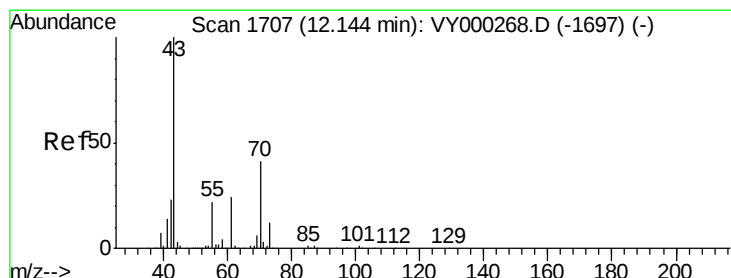
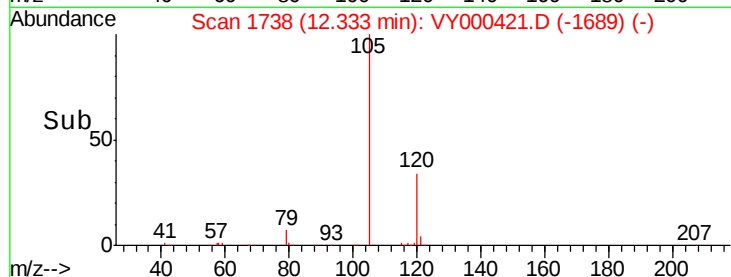
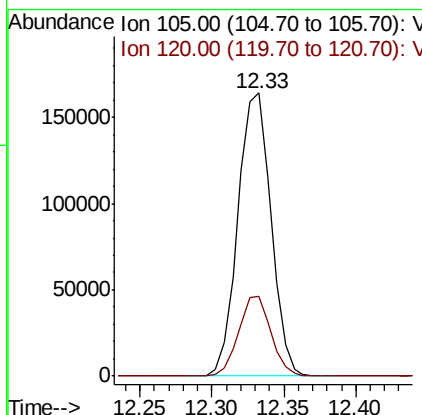
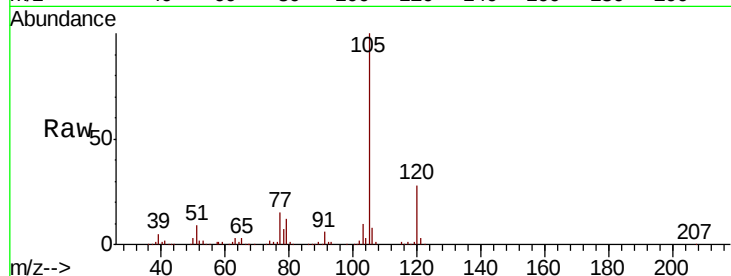




#73
Isopropylbenzene
Concen: 21.278 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

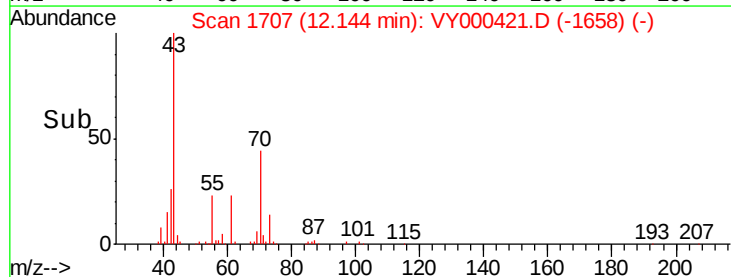
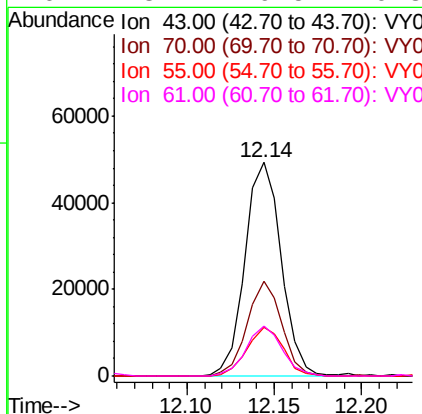
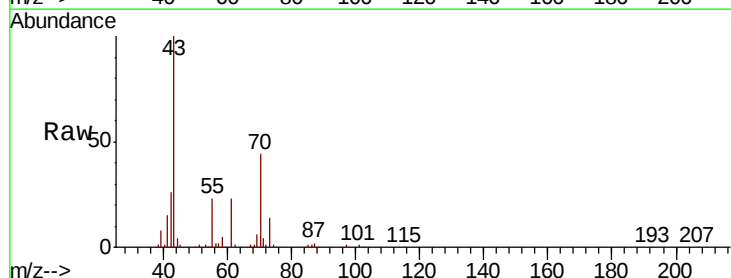
Instrument :
MSVOA_Y
ClientSampleId :

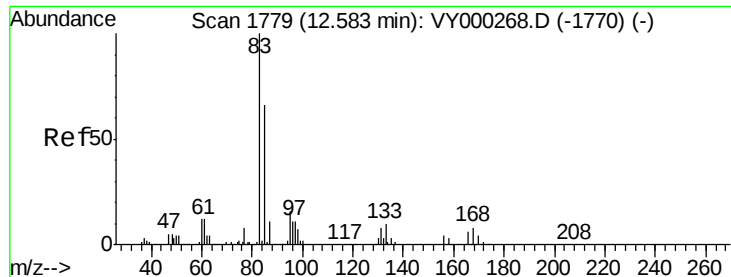
Tot Ion:105 Resp: 261674
Ion Ratio Lower Upper
105 100
120 27.5 13.4 40.2



#74
N-ethyl acetate
Concen: 23.752 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 43 Resp: 71709
Ion Ratio Lower Upper
43 100
70 42.6 32.9 49.3
55 23.0 17.8 26.6
61 23.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.392 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampleId :

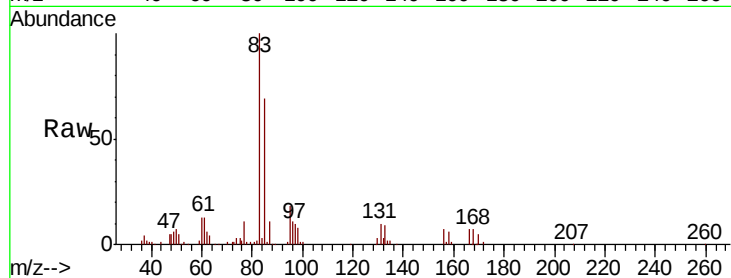
Tot Ion: 83 Resp: 51704

Ion Ratio Lower Upper

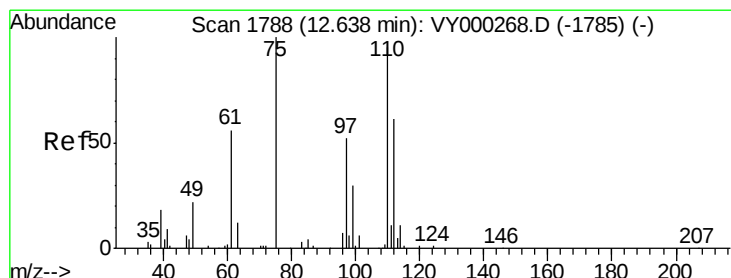
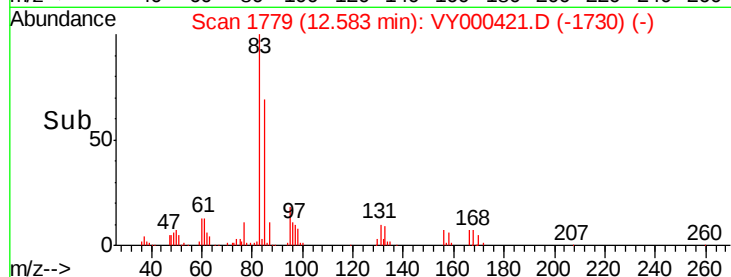
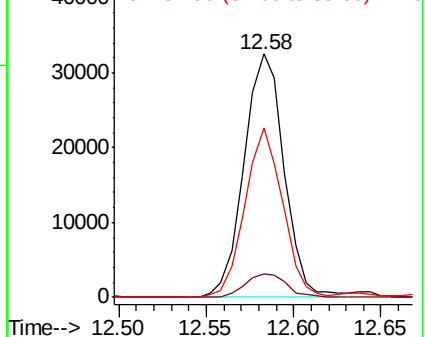
83 100

131 10.1 5.3 16.1

85 65.4 32.9 98.7



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: 36.014 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY000421.D

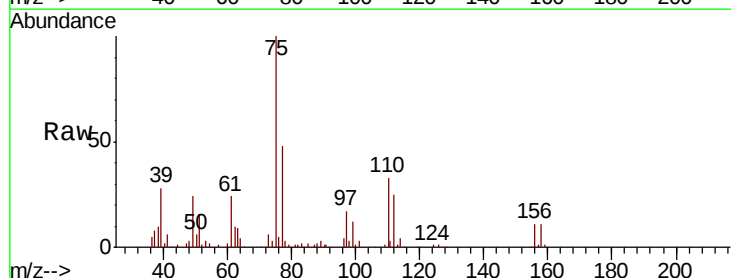
Acq: 25 Oct 2019 12:08

Tgt Ion: 75 Resp: 69845

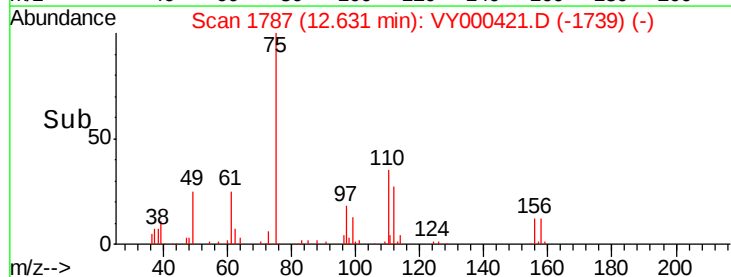
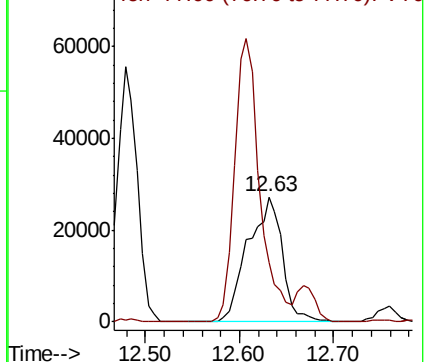
Ion Ratio Lower Upper

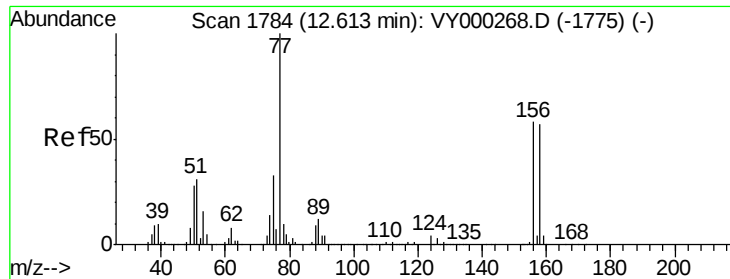
75 100

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: 22.086 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampleId :

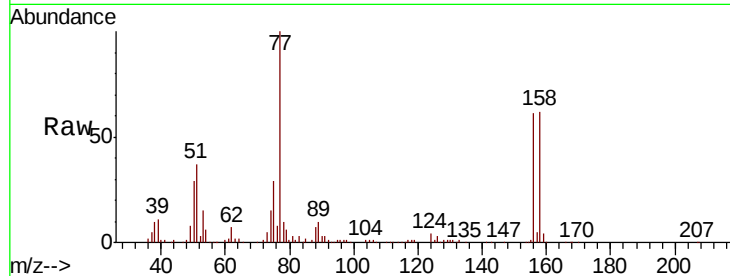
Tot Ion:156 Resp: 60440

Ion Ratio Lower Upper

156 100

77 191.2 101.0 302.9

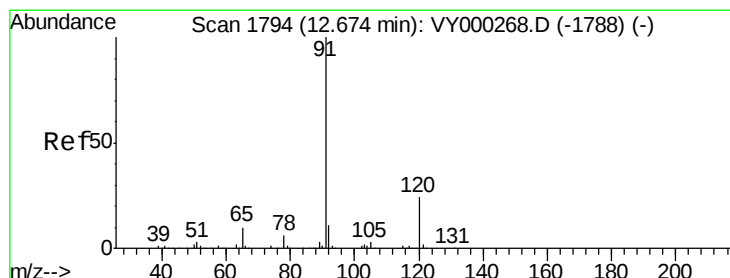
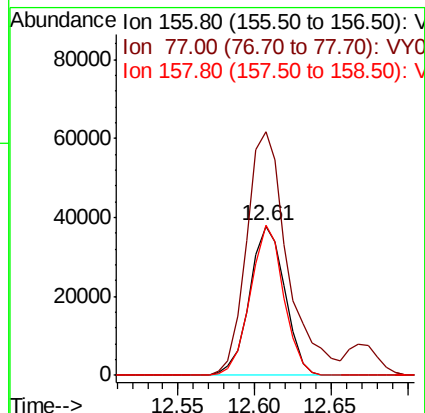
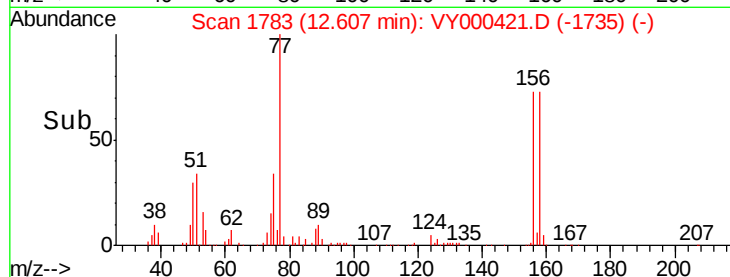
158 95.6 49.7 149.1



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: 21.413 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000421.D

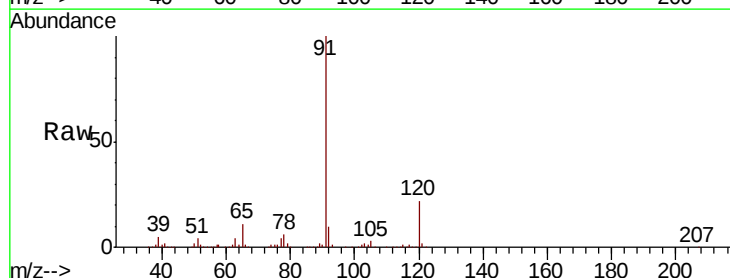
Acq: 25 Oct 2019 12:08

Tgt Ion: 91 Resp: 316169

Ion Ratio Lower Upper

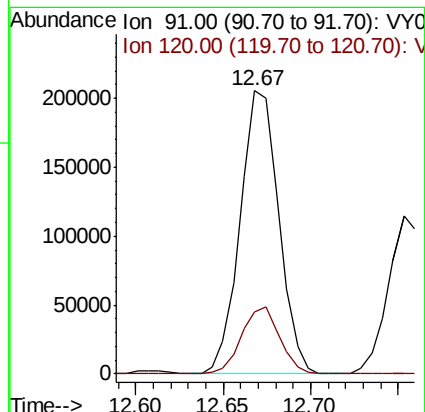
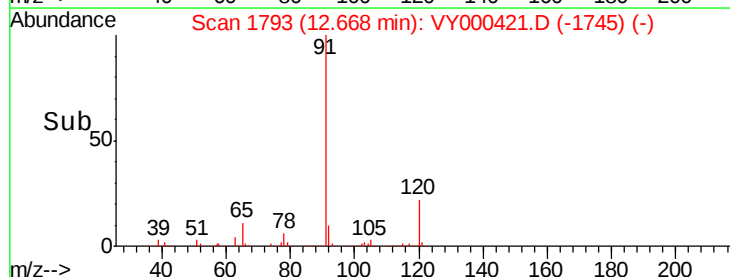
91 100

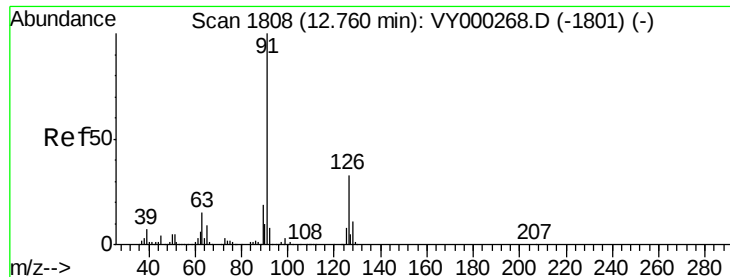
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.516 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

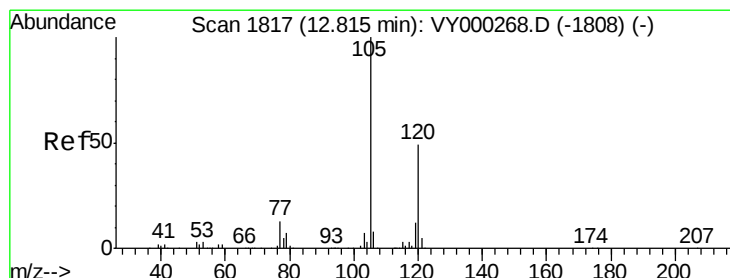
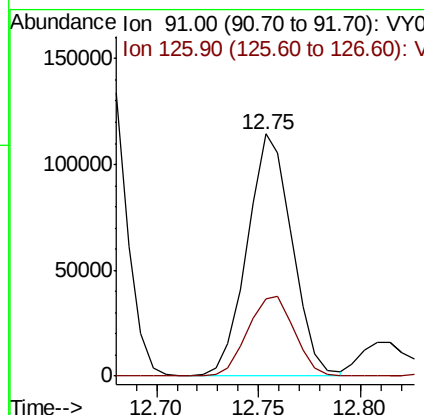
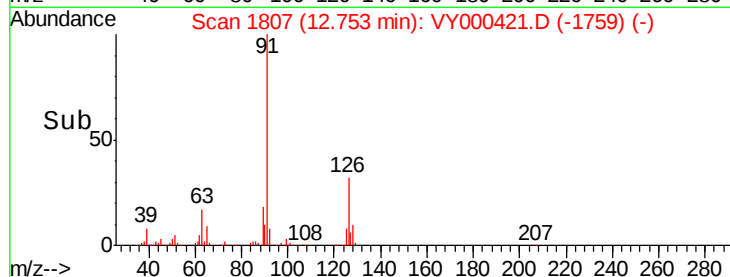
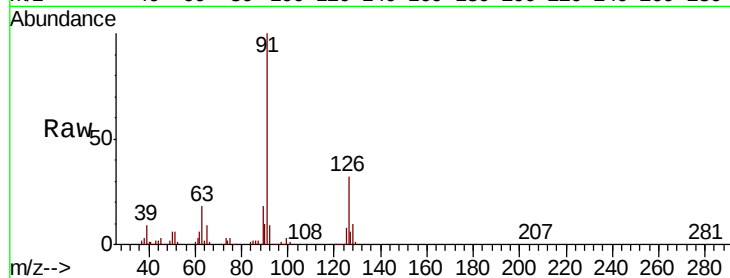
ClientSampleId :

Tot Ion: 91 Resp: 175453

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.3



#80

1,3,5-Trimethylbenzene

Concen: 21.282 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000421.D

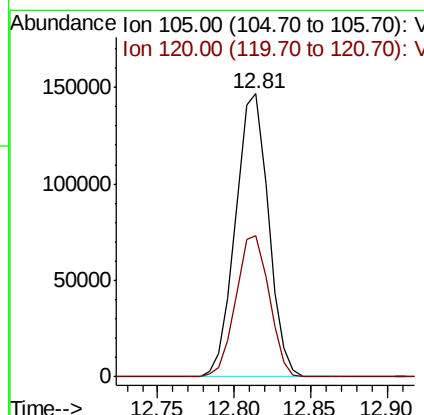
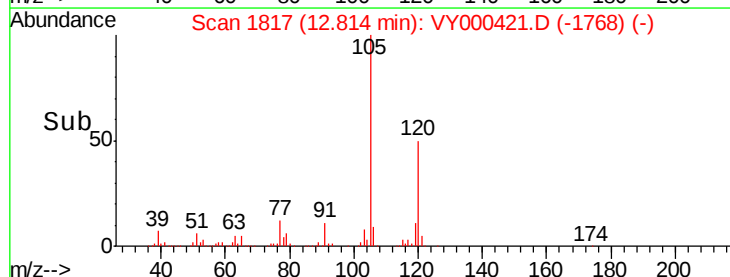
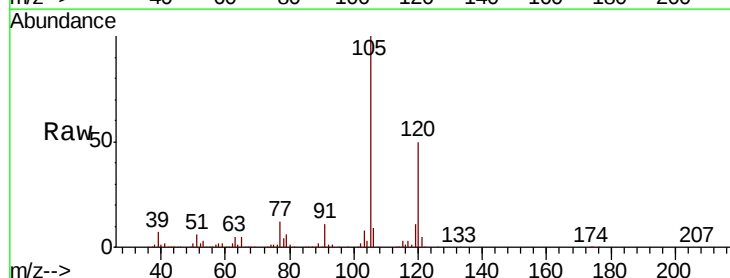
Acq: 25 Oct 2019 12:08

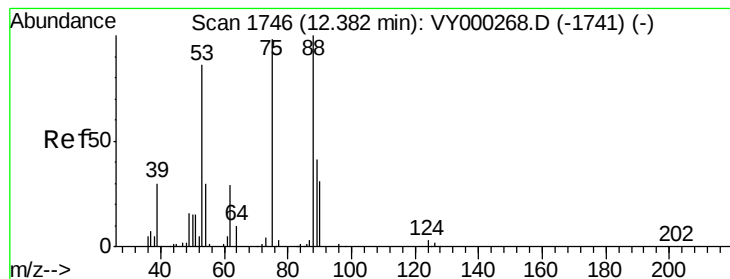
Tgt Ion:105 Resp: 219460

Ion Ratio Lower Upper

105 100

120 50.6 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.943 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampleId :

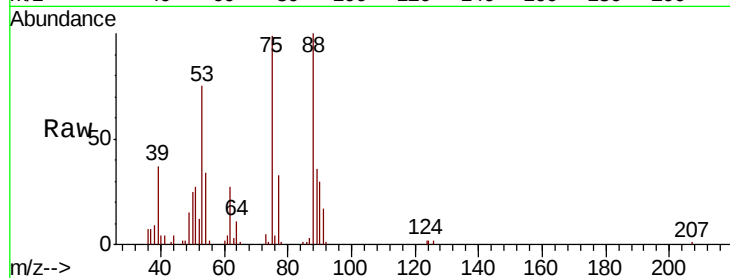
Tot Ion: 75 Resp: 17677

Ion Ratio Lower Upper

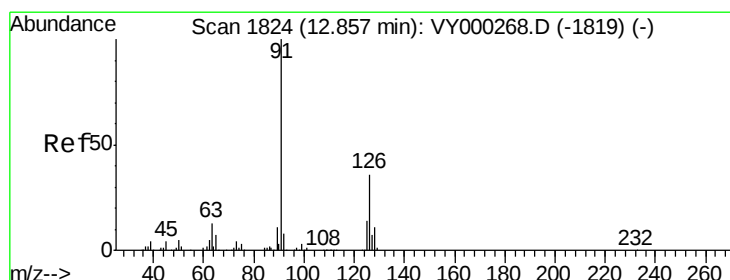
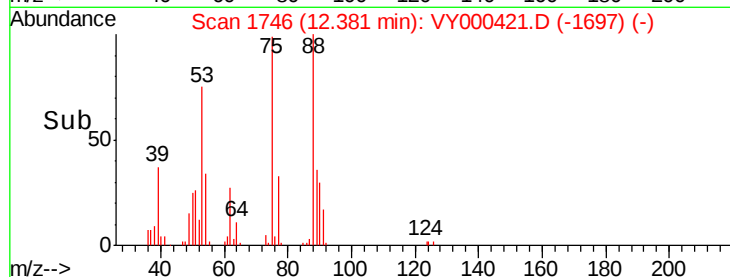
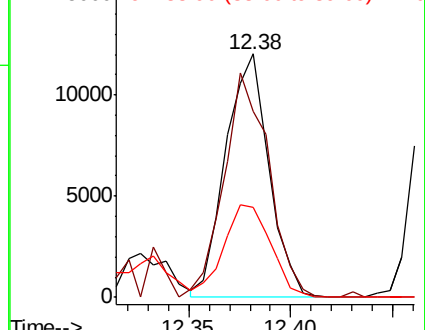
75 100

53 95.6 71.3 106.9

89 41.6 35.1 52.7



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 21.539 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VY000421.D

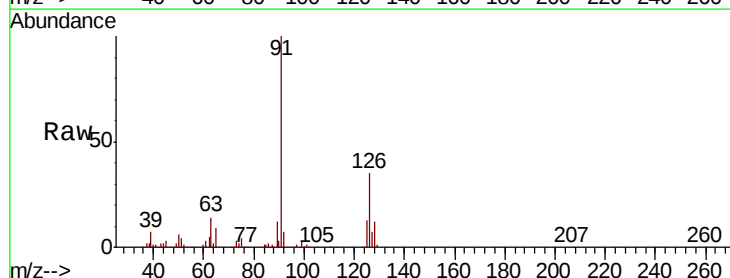
Acq: 25 Oct 2019 12:08

Tgt Ion: 91 Resp: 185657

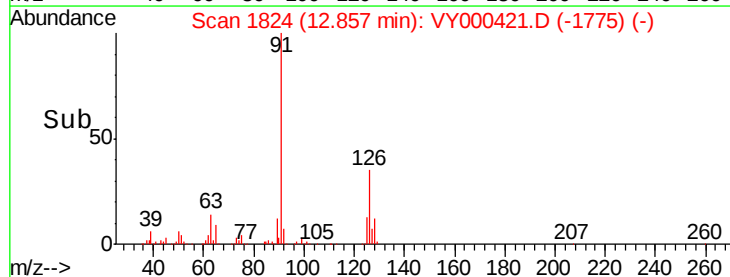
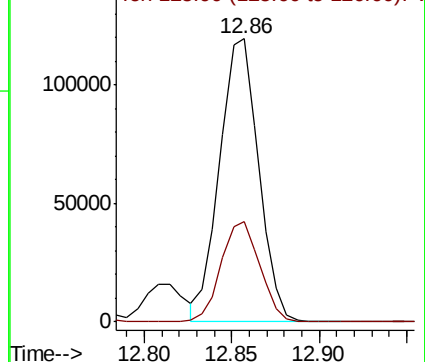
Ion Ratio Lower Upper

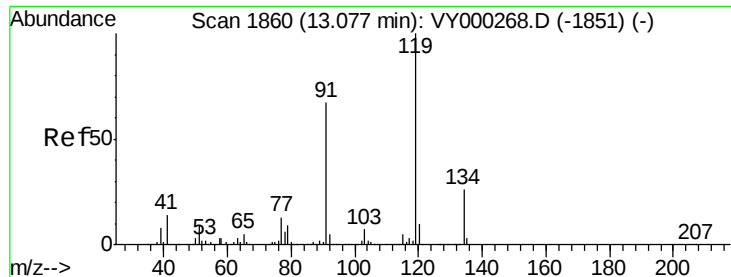
91 100

126 35.5 17.2 51.5



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





#83

tert-Butylbenzene

Concen: 22.235 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

ClientSampleId :

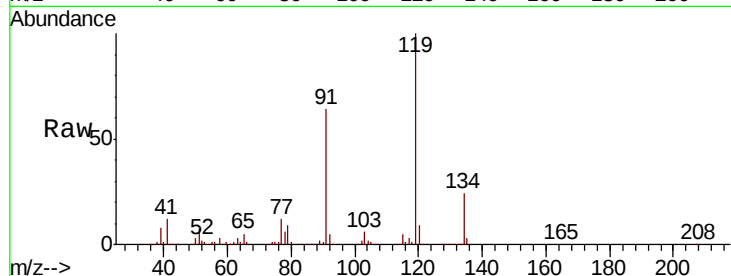
Tot Ion:119 Resp: 194176

Ion Ratio Lower Upper

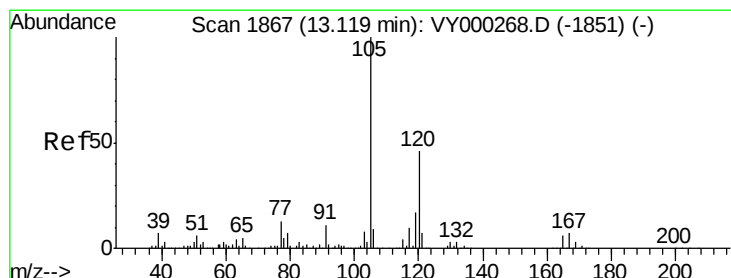
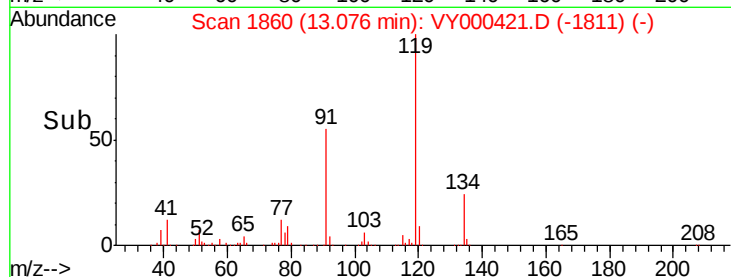
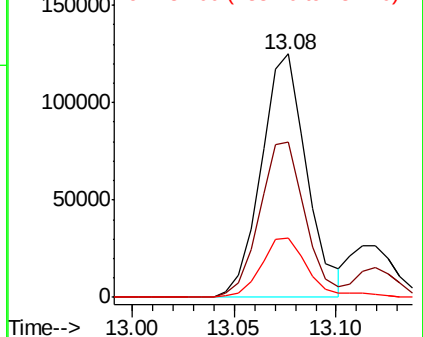
119 100

91 63.6 32.9 98.7

134 25.6 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.558 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000421.D

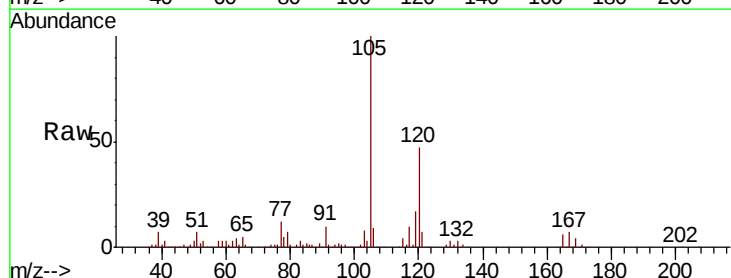
Acq: 25 Oct 2019 12:08

Tgt Ion:105 Resp: 219410

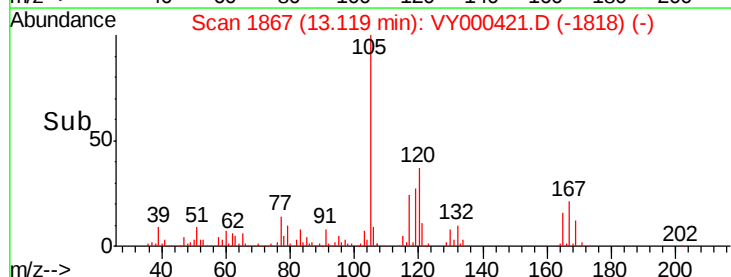
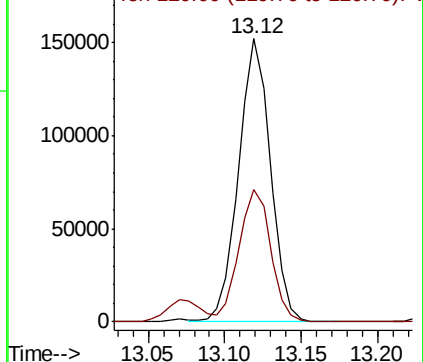
Ion Ratio Lower Upper

105 100

120 46.6 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 21.563 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

Instrument :

MSVOA_Y

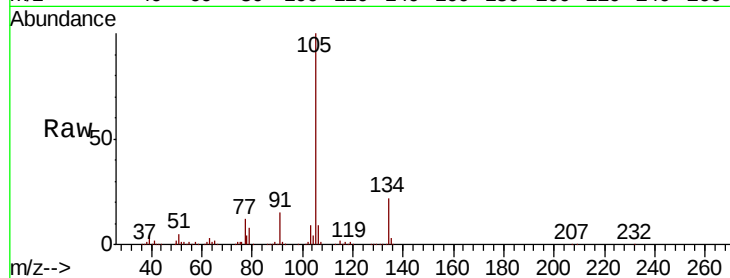
ClientSampleId :

Tot Ion:105 Resp: 272405

Ion Ratio Lower Upper

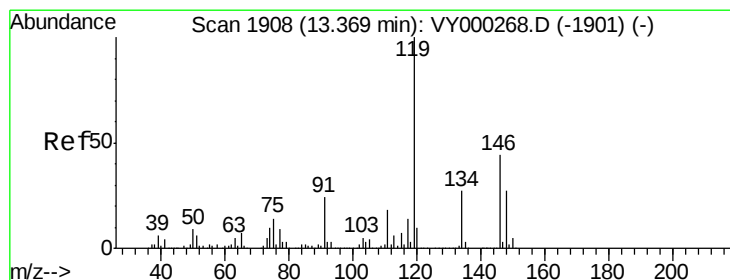
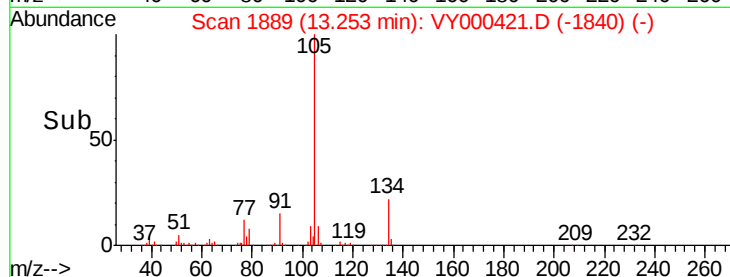
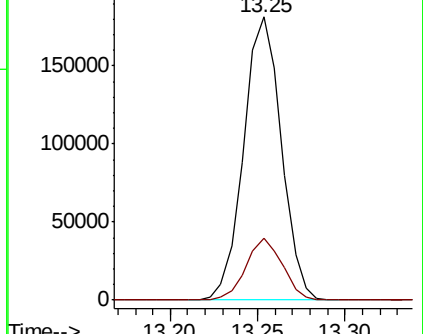
105 100

134 21.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.940 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000421.D

Acq: 25 Oct 2019 12:08

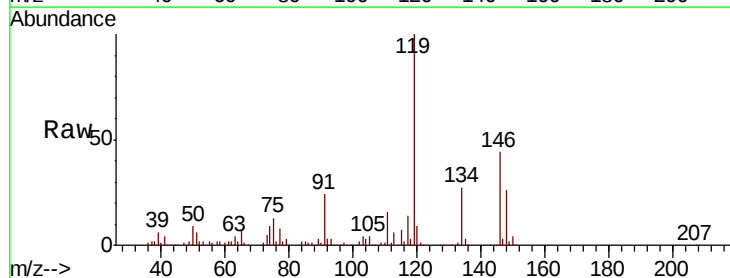
Tgt Ion:119 Resp: 241634

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

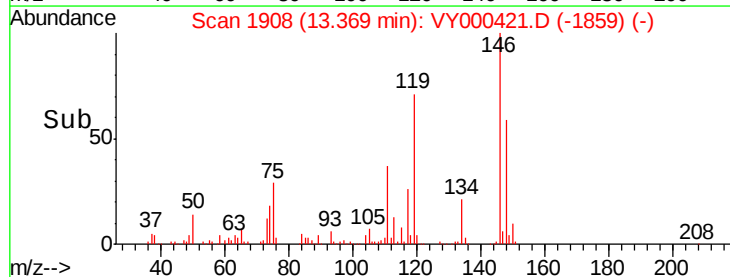
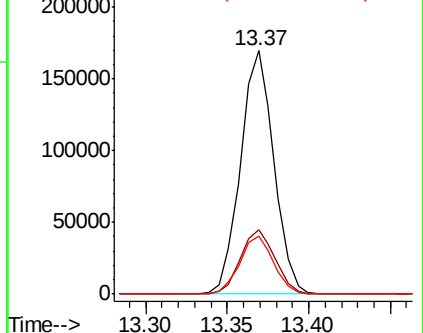
91 24.2 12.0 36.1

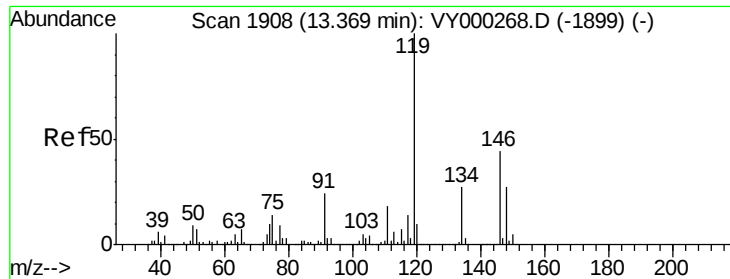


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

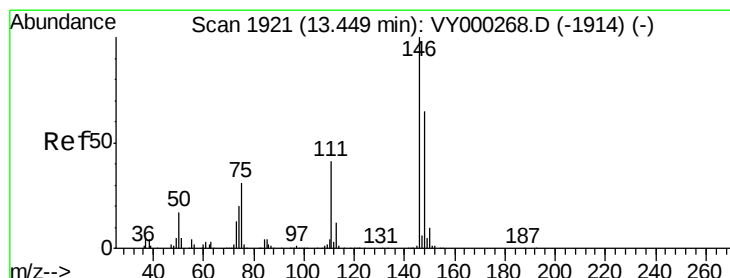
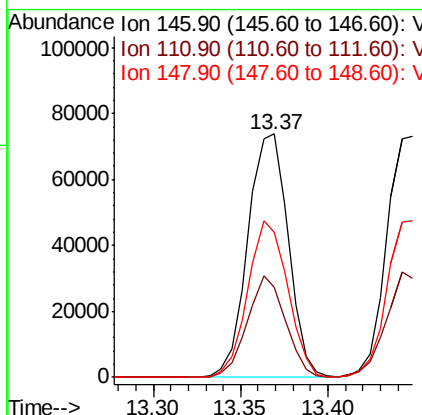
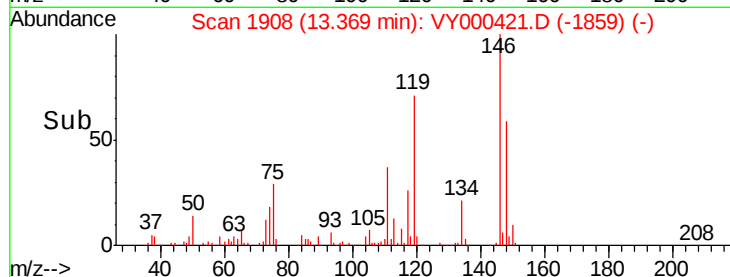
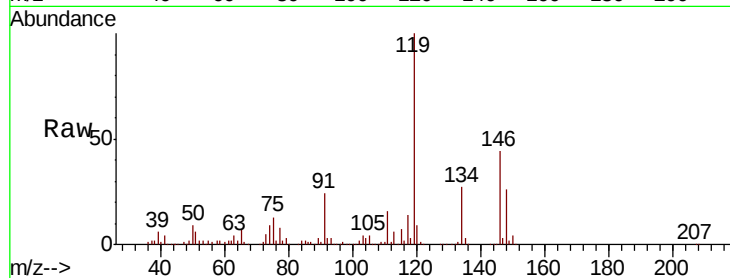




#87
 1,3-Dichlorobenzene
 Concen: 21.969 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

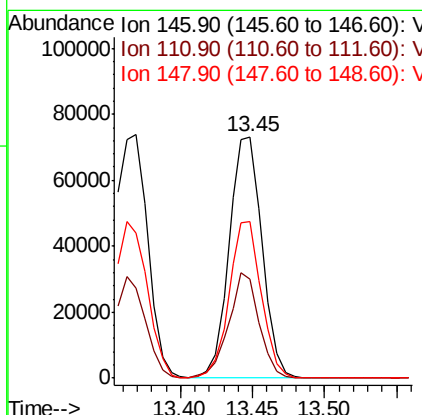
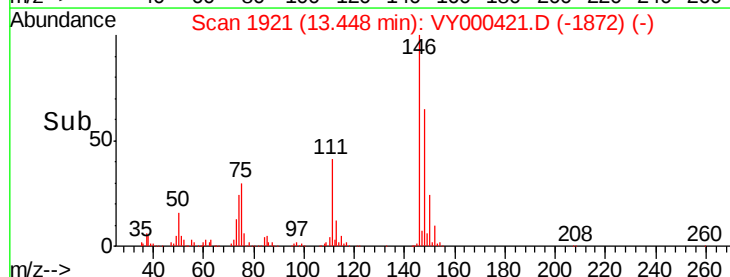
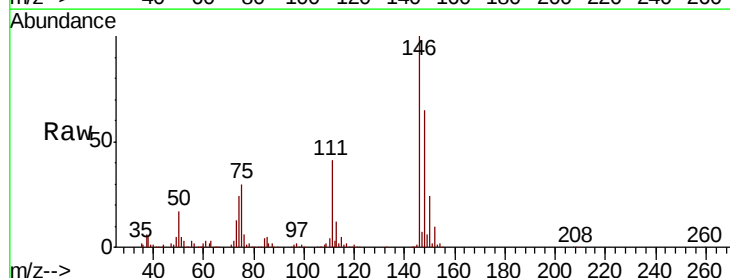
Instrument :
 MSVOA_Y
 ClientSampleId :

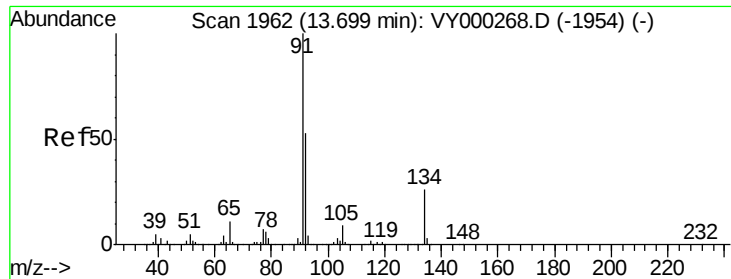
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.6	61.8
148	63.9	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 21.619 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.4	32.4	97.2

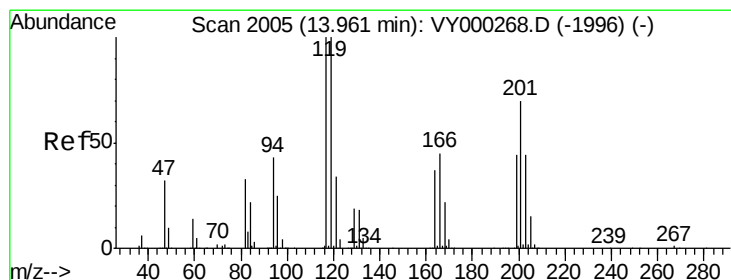
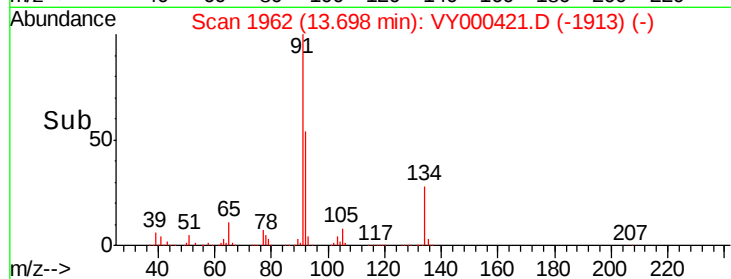
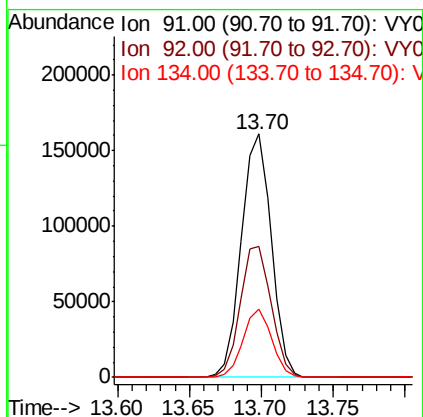
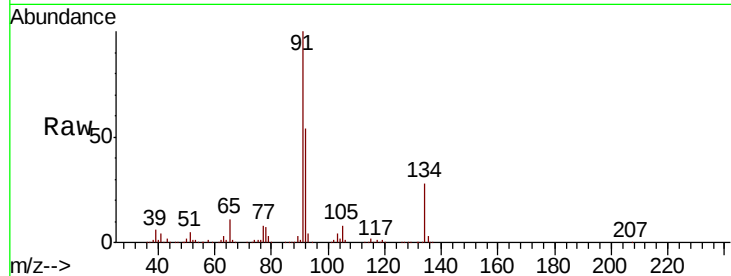




#89
n-Butylbenzene
Concen: 21.360 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

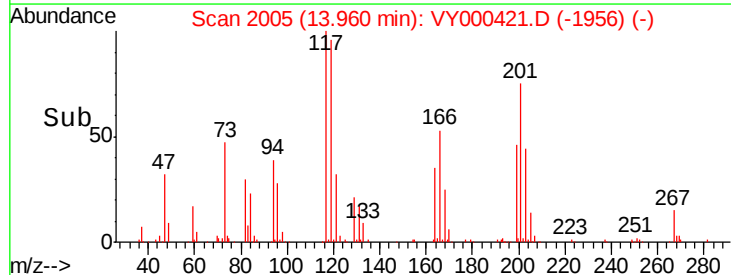
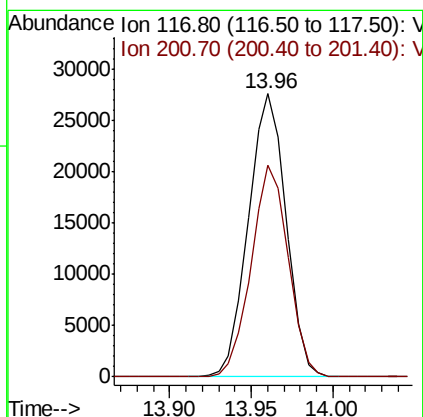
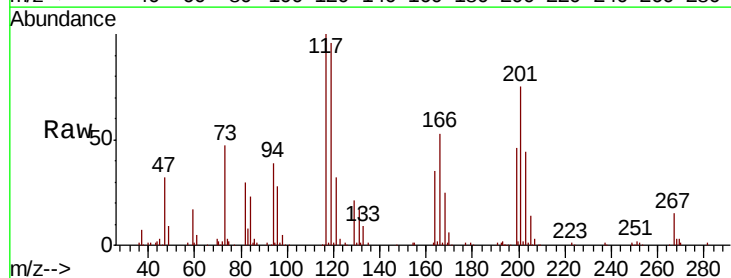
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 91 Resp: 232480
Ion Ratio Lower Upper
91 100
92 55.5 26.7 80.1
134 26.8 13.0 38.9



#90
Hexachloroethane
Concen: 21.746 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion: 117 Resp: 44350
Ion Ratio Lower Upper
117 100
201 73.6 36.3 108.7

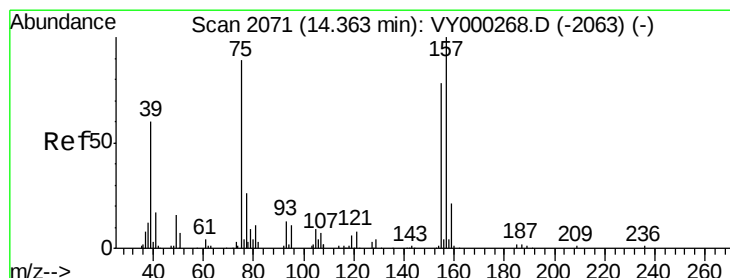
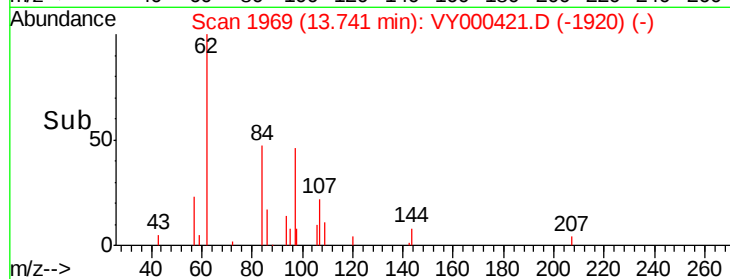
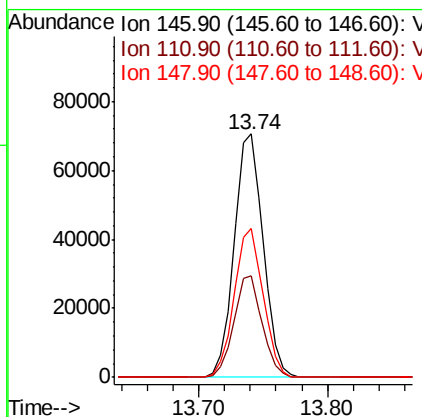
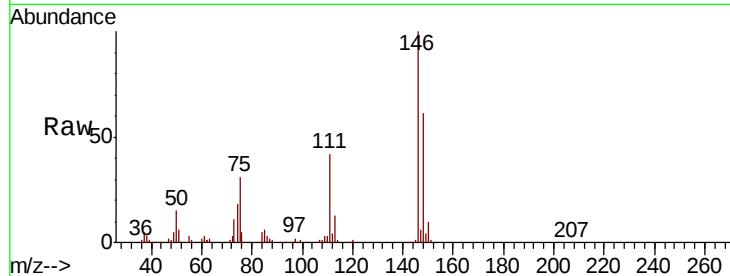




#91
 1,2-Dichlorobenzene
 Concen: 22.550 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

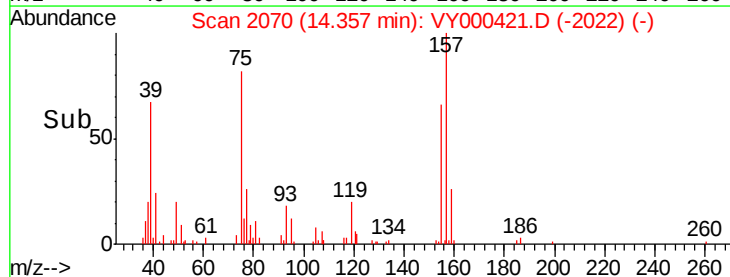
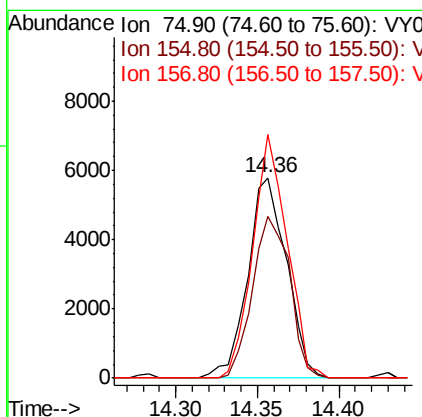
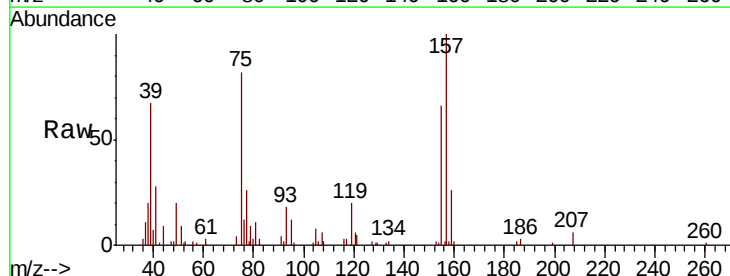
Instrument :
 MSVOA_Y
 ClientSampleId :

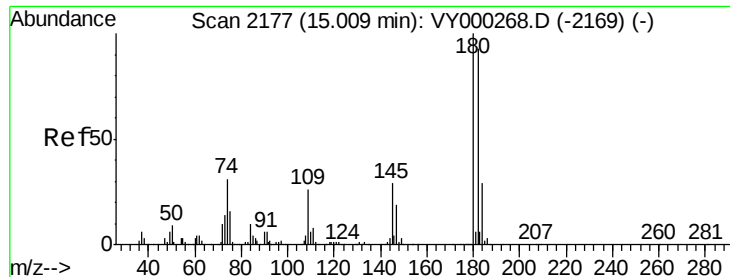
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.5
148	61.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.940 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	45.8	137.3
157	107.8	55.6	166.9

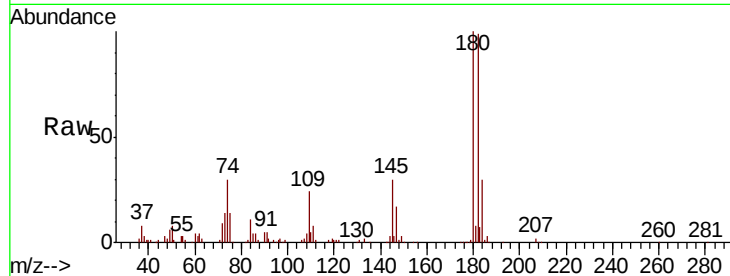




#93
 1,2,4-Trichlorobenzene
 Concen: 22.380 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	31.0	15.4	46.1

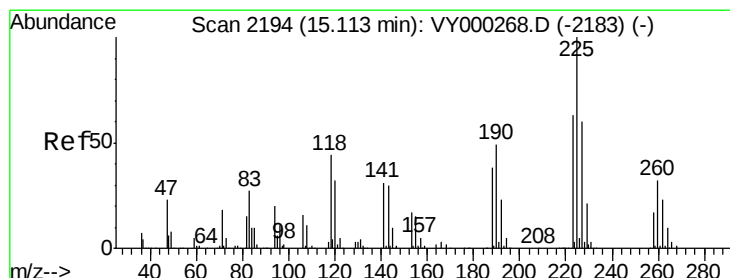
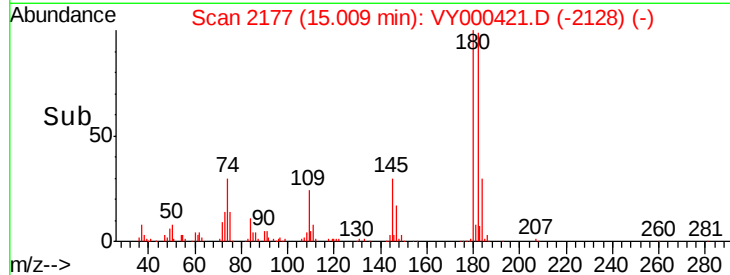
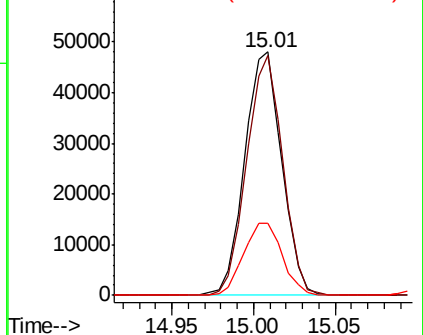


Abundance

Ion 179.80 (179.50 to 180.50): V

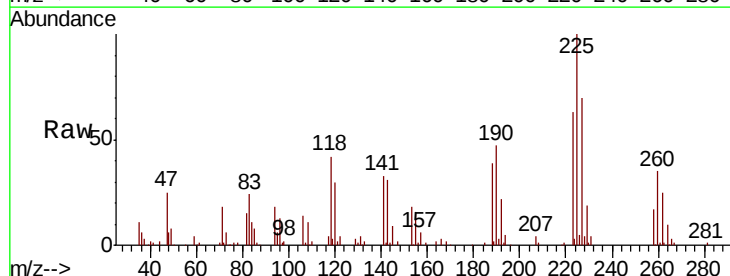
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.409 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000421.D
 Acq: 25 Oct 2019 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	64.6	31.4	94.2

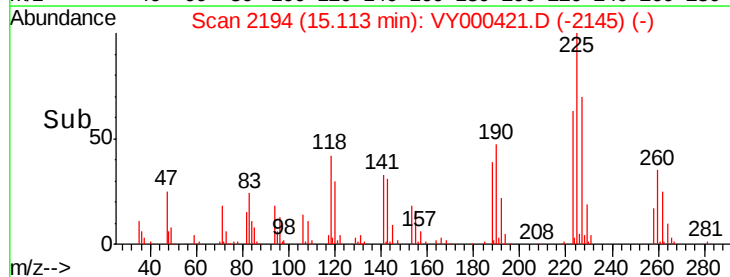
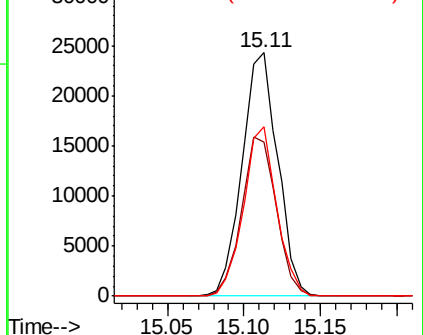


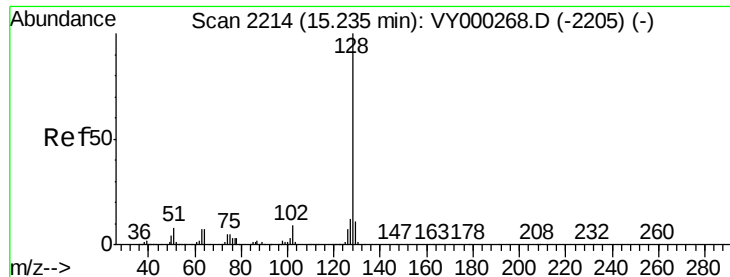
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

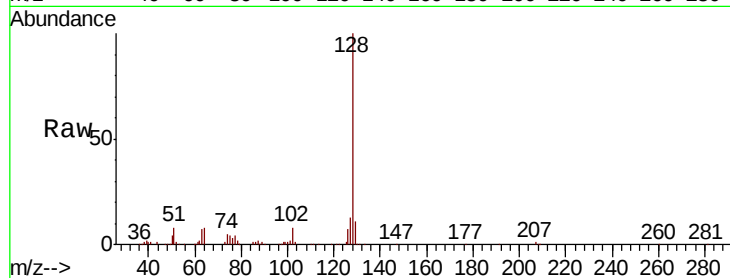




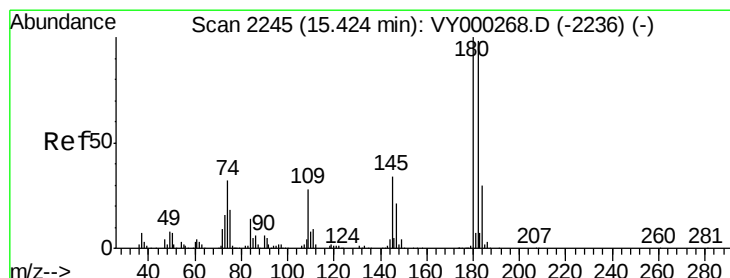
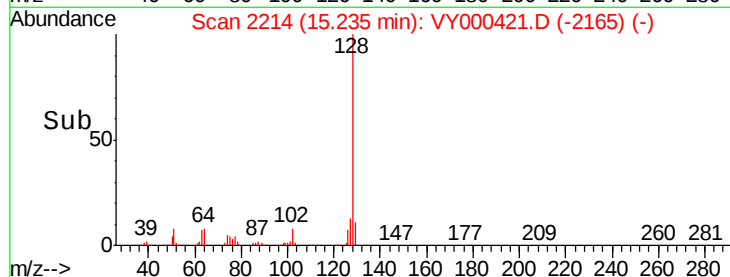
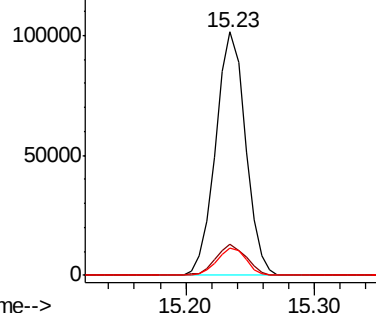
#95
Naphthalene
Concen: 21.306 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 161532
Ion Ratio Lower Upper
128 100
127 13.0 9.6 14.4
129 11.1 8.7 13.1

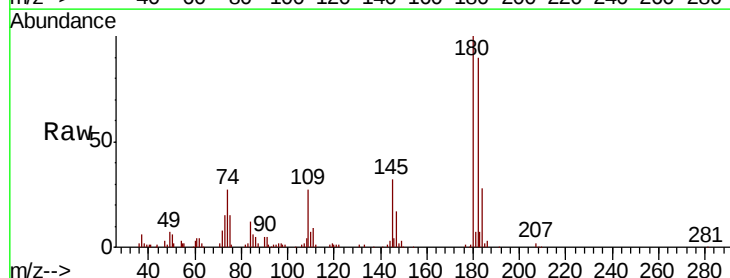


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.305 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000421.D
Acq: 25 Oct 2019 12:08

Tgt Ion:180 Resp: 68294
Ion Ratio Lower Upper
180 100
182 95.4 46.5 139.5
145 33.7 16.2 48.5



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

