

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000030.D
 Acq On : 12 Sep 2019 17:03
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 17:32:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 17:04:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	129384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	247164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	213943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91280	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	68317	49.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.04%	
35) Dibromofluoromethane	7.71	113	67018	47.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.52%	
50) Toluene-d8	10.18	98	284613	49.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.48	95	96245	46.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	4309	4.516	ug/l	86
3) Chloromethane	2.11	50	6820	4.394	ug/l	92
4) Vinyl Chloride	2.24	62	5696	3.937	ug/l #	86
5) Bromomethane	2.63	94	4667	5.075	ug/l	83
6) Chloroethane	2.78	64	3770	3.914	ug/l	99
7) Trichlorofluoromethane	3.11	101	7576	4.030	ug/l	97
8) Diethyl Ether	3.54	74	2858	3.699	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4909	3.837	ug/l	95
10) Methyl Iodide	4.08	142	3515	2.512	ug/l #	95
11) Tert butyl alcohol	4.96	59	3180	17.947	ug/l #	83
12) 1,1-Dichloroethene	3.87	96	4624	3.878	ug/l	87
13) Acrolein	3.73	56	3148	23.682	ug/l	98
14) Allyl chloride	4.48	41	6744	3.643	ug/l	96
15) Acrylonitrile	5.18	53	7964	16.246	ug/l	91
16) Acetone	3.95	43	7150	18.501	ug/l #	82
17) Carbon Disulfide	4.19	76	10839	4.514	ug/l #	90
18) Methyl Acetate	4.49	43	4666	4.291	ug/l #	77
19) Methyl tert-butyl Ether	5.23	73	12716	3.521	ug/l #	87
20) Methylene Chloride	4.71	84	9317	6.048	ug/l	90
21) trans-1,2-Dichloroethene	5.22	96	4642	3.516	ug/l	93
22) Diisopropyl ether	6.12	45	13890	3.399	ug/l #	86
23) Vinyl Acetate	6.06	43	43712	15.461	ug/l	99
24) 1,1-Dichloroethane	6.02	63	7892	3.259	ug/l #	90
25) 2-Butanone	7.00	43	11917	18.972	ug/l #	85
26) 2,2-Dichloropropane	6.98	77	10561	4.694	ug/l #	62
27) cis-1,2-Dichloroethene	6.98	96	5676	3.408	ug/l	75
28) Bromochloromethane	7.32	49	4047	3.639	ug/l #	93
29) Tetrahydrofuran	7.37	42	6533	17.484	ug/l	96
30) Chloroform	7.51	83	9384	3.757	ug/l	95
31) Cyclohexane	7.78	56	10291	5.099	ug/l #	53
32) 1,1,1-Trichloroethane	7.70	97	6812	3.325	ug/l	95
36) 1,1-Dichloropropene	7.91	75	6900	3.802	ug/l	97
37) Ethyl Acetate	7.08	43	4959	4.052	ug/l #	76
38) Carbon Tetrachloride	7.90	117	5928	3.461	ug/l #	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000030.D
 Acq On : 12 Sep 2019 17:03
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 17:32:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 17:04:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9075	4.048	ug/l	87
40) Benzene	8.16	78	19560	3.311	ug/l	96
41) Methacrylonitrile	7.31	41	1600	2.247	ug/l #	40
42) 1,2-Dichloroethane	8.23	62	5411	3.584	ug/l	94
43) Isopropyl Acetate	8.28	43	7605	3.207	ug/l	94
44) Trichloroethene	8.93	130	5369	3.639	ug/l	85
45) 1,2-Dichloropropane	9.21	63	4620	3.033	ug/l #	77
46) Dibromomethane	9.31	93	2792	3.302	ug/l	97
47) Bromodichloromethane	9.49	83	6519	3.230	ug/l #	77
48) Methyl methacrylate	9.29	41	3573	3.415	ug/l	90
49) 1,4-Dioxane	9.30	88	1225	69.183	ug/l #	72
51) 4-Methyl-2-Pentanone	10.07	43	20074	15.107	ug/l	98
52) Toluene	10.24	92	12581	3.389	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	6835	3.221	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	7764	3.144	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4058	3.029	ug/l	88
56) Ethyl methacrylate	10.51	69	6022	3.203	ug/l	92
57) 1,3-Dichloropropane	10.79	76	7320	3.416	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	18641	18.098	ug/l	93
59) 2-Hexanone	10.83	43	14213	14.843	ug/l	100
60) Dibromochloromethane	10.98	129	3923	2.779	ug/l	93
61) 1,2-Dibromoethane	11.09	107	3771	3.187	ug/l	92
64) Tetrachloroethene	10.71	164	4854	3.700	ug/l	89
65) Chlorobenzene	11.51	112	13232	3.246	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.58	131	4705	3.331	ug/l	90
67) Ethyl Benzene	11.59	91	24872	3.358	ug/l	97
68) m/p-Xylenes	11.70	106	19037	6.812	ug/l	97
69) o-Xylene	12.02	106	9428	3.442	ug/l	94
70) Styrene	12.04	104	14252	2.991	ug/l	94
71) Bromoform	12.20	173	2381	2.792	ug/l #	96
73) Isopropylbenzene	12.32	105	23340	3.347	ug/l	95
74) N-amyl acetate	12.14	43	6049	2.938	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	6054	3.630	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	7184	5.666	ug/l #	100
77) Bromobenzene	12.60	156	4346	2.946	ug/l	81
78) n-propylbenzene	12.66	91	27633	3.242	ug/l	97
79) 2-Chlorotoluene	12.76	91	15281	3.206	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	19726	3.387	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.37	75	1882	2.944	ug/l	91
82) 4-Chlorotoluene	12.85	91	16862	3.371	ug/l	92
83) tert-Butylbenzene	13.07	119	16544	3.306	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	19704	3.425	ug/l	96
85) sec-Butylbenzene	13.25	105	25295	3.425	ug/l	100
86) p-Isopropyltoluene	13.37	119	20937	3.342	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	9845	3.316	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	9671	3.237	ug/l	86
89) n-Butylbenzene	13.69	91	20252	3.190	ug/l	94
90) Hexachloroethane	13.96	117	4222	3.373	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	8896	3.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	945	2.914	ug/l	92

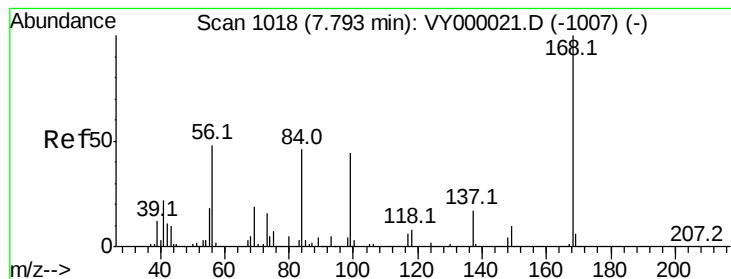
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
Data File : VY000030.D
Acq On : 12 Sep 2019 17:03
Operator : SY/MD
Sample : MDL3
Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 12 17:32:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 12 17:04:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5505	3.122	ug/l	97
94) Hexachlorobutadiene	15.10	225	2434	3.010	ug/l	89
95) Naphthalene	15.23	128	14548	3.016	ug/l	97
96) 1,2,3-Trichlorobenzene	15.41	180	5618	3.549	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

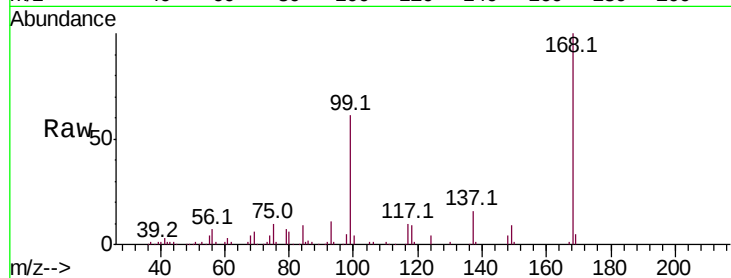
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 129384

Ion Ratio Lower Upper

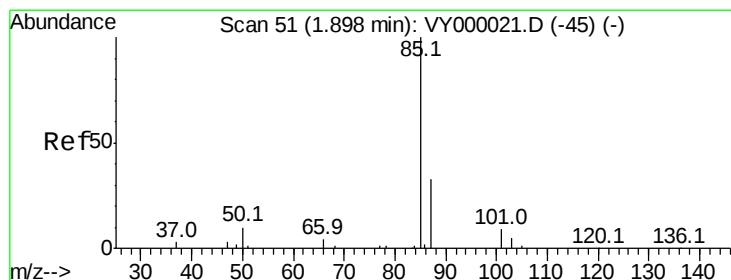
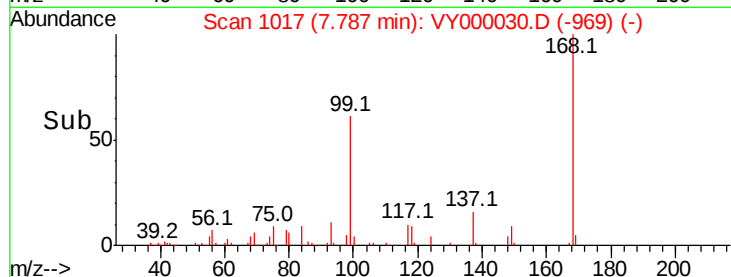
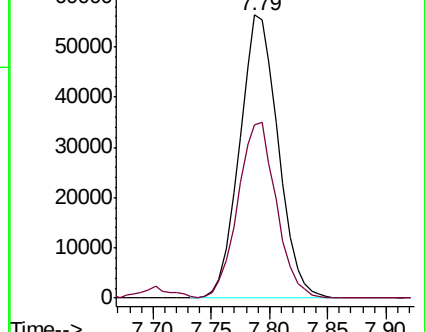
168 100

99 61.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000030.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000030.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: 4.516 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000030.D

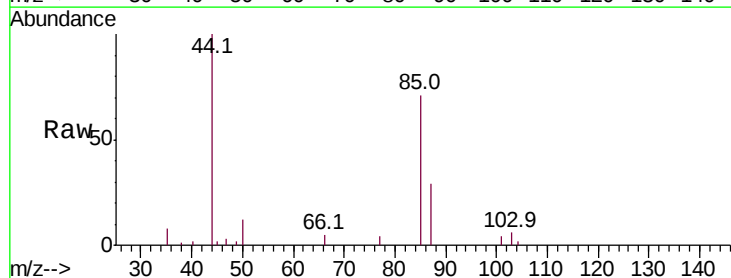
Acq: 12 Sep 2019 17:03

Tgt Ion: 85 Resp: 4309

Ion Ratio Lower Upper

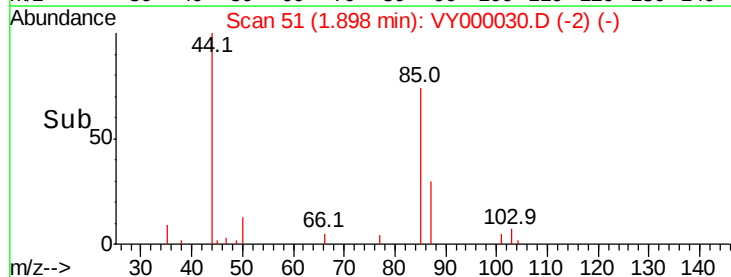
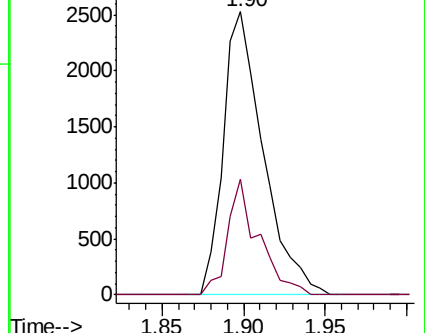
85 100

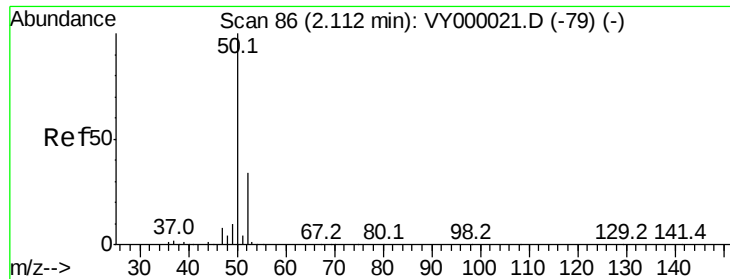
87 40.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000030.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000030.D (-2) (-)





#3

Chloromethane

Concen: 4.394 ug/l

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

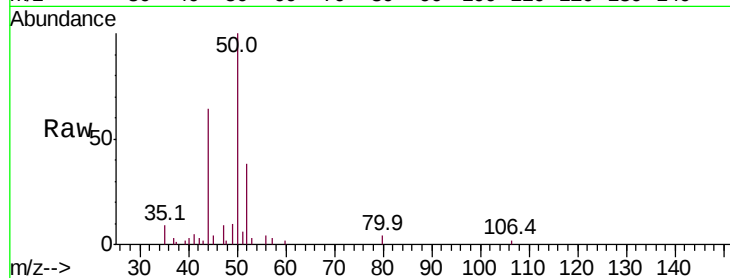
ClientSampleId :

Tot Ion: 50 Resp: 6820

Ion Ratio Lower Upper

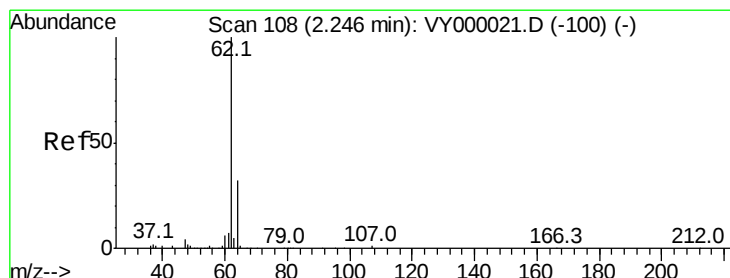
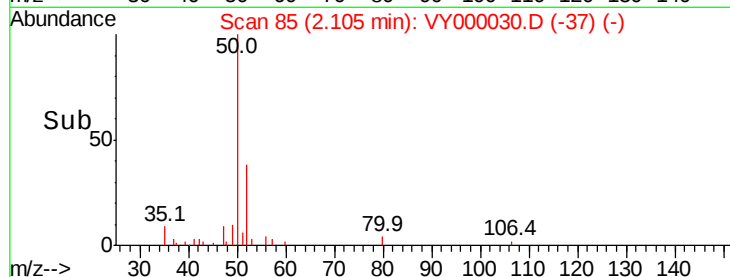
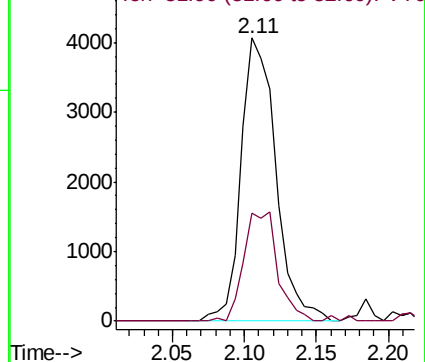
50 100

52 38.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 3.937 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000030.D

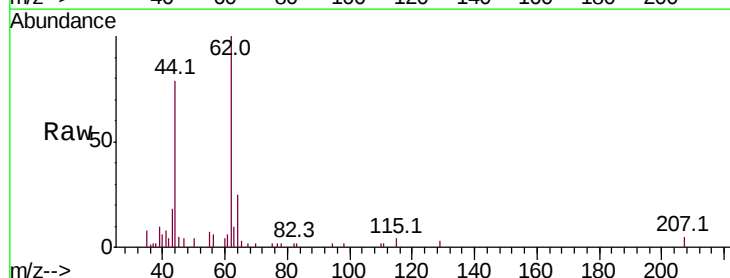
Acq: 12 Sep 2019 17:03

Tgt Ion: 62 Resp: 5696

Ion Ratio Lower Upper

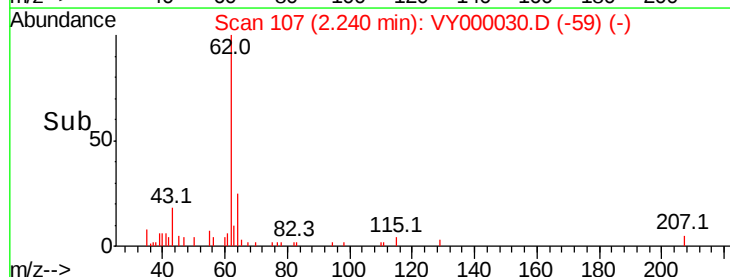
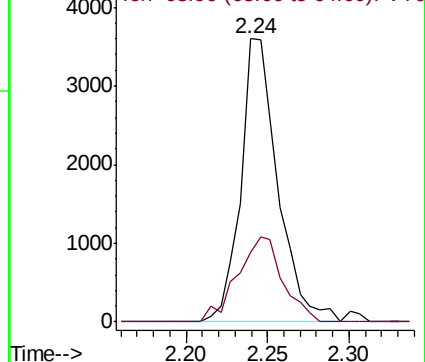
62 100

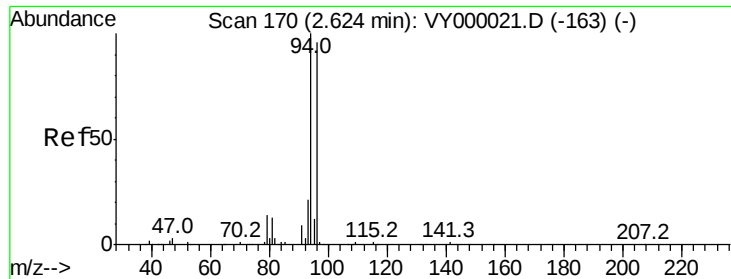
64 24.6 26.1 39.1#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 5.075 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

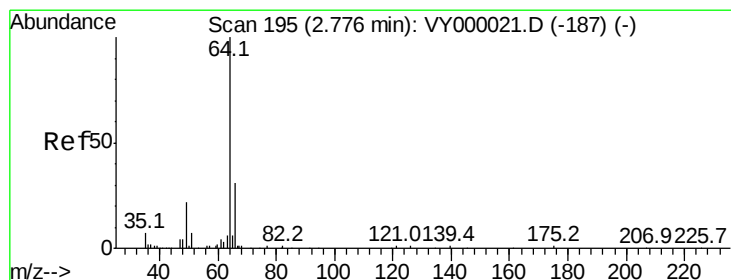
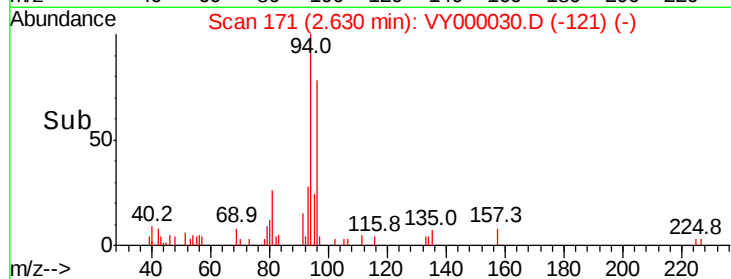
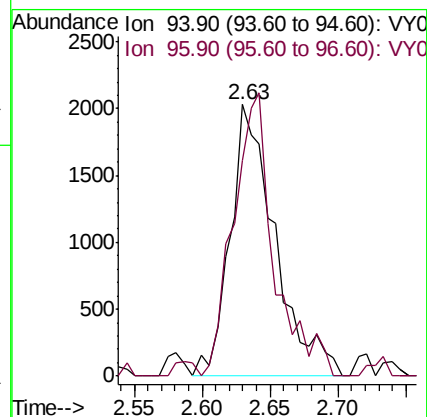
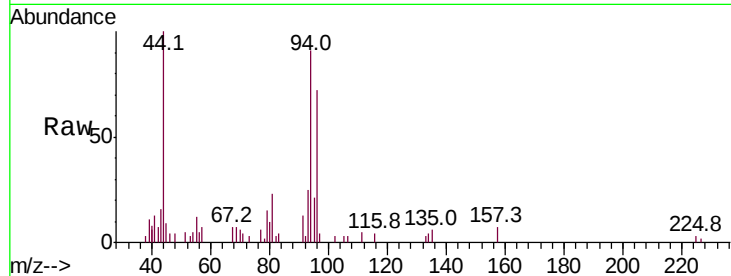
ClientSampleId :

Tot Ion: 94 Resp: 4667

Ion Ratio Lower Upper

94 100

96 79.3 76.8 115.2



#6

Chloroethane

Concen: 3.914 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000030.D

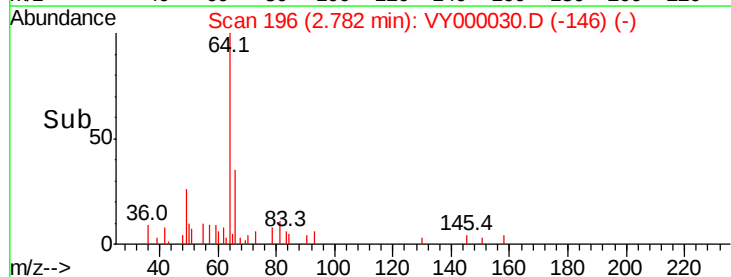
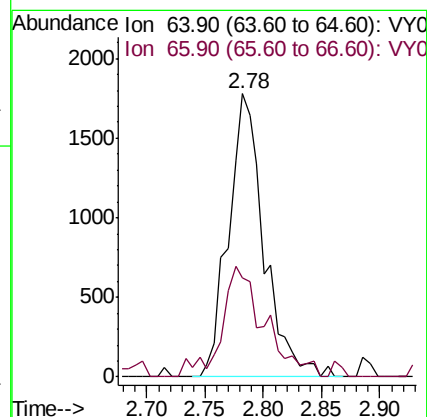
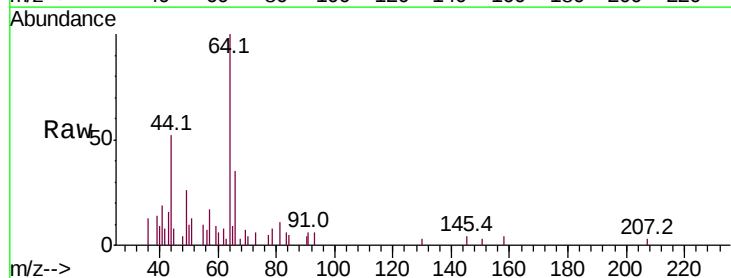
Acq: 12 Sep 2019 17:03

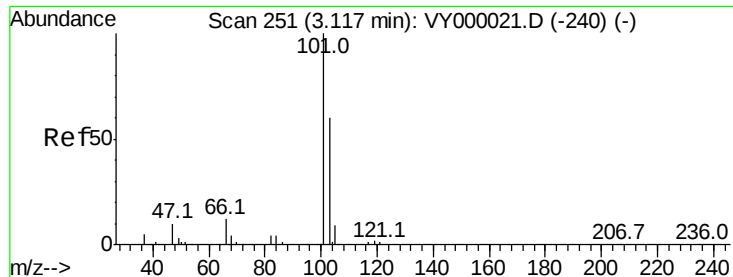
Tgt Ion: 64 Resp: 3770

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.6



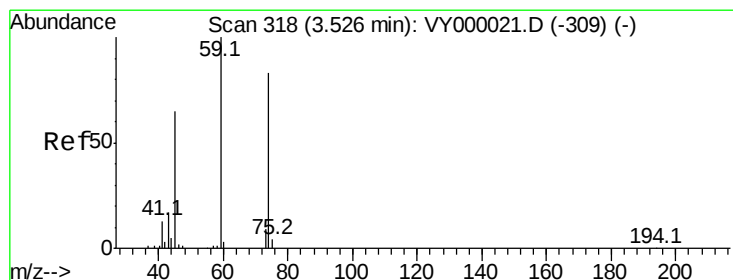
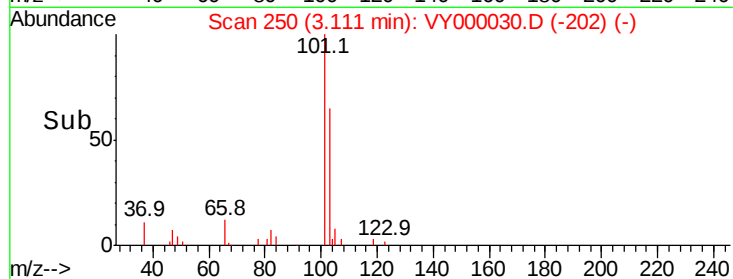
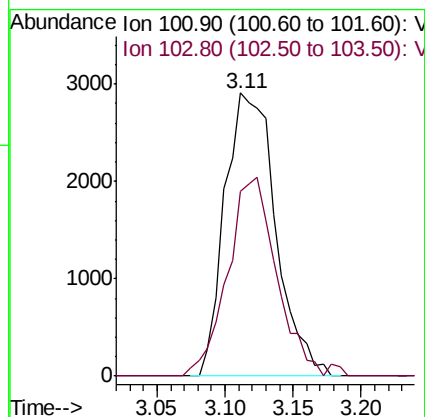
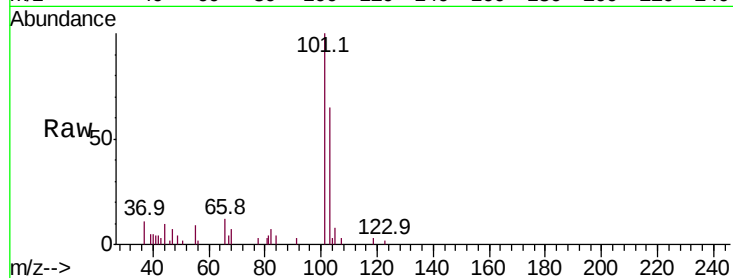


#7

Trichlorofluoromethane
 Concen: 4.030 ug/l
 RT: 3.11 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :

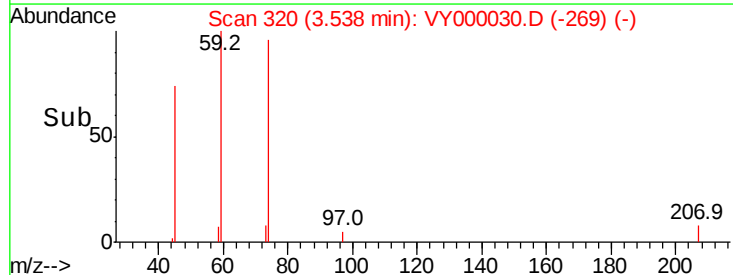
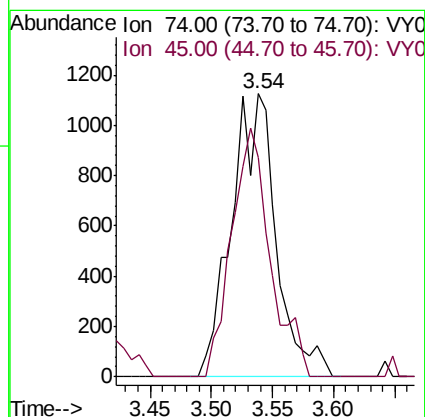
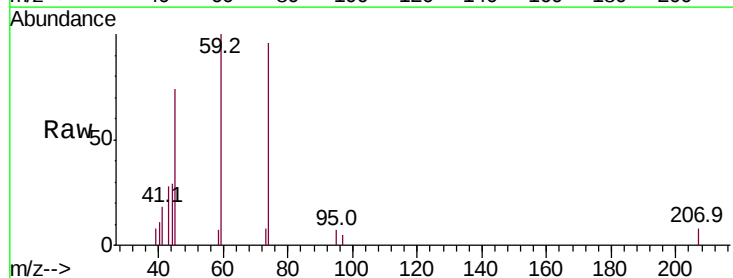
Tot Ion:101 Resp: 7576
 Ion Ratio Lower Upper
 101 100
 103 62.4 48.1 72.1

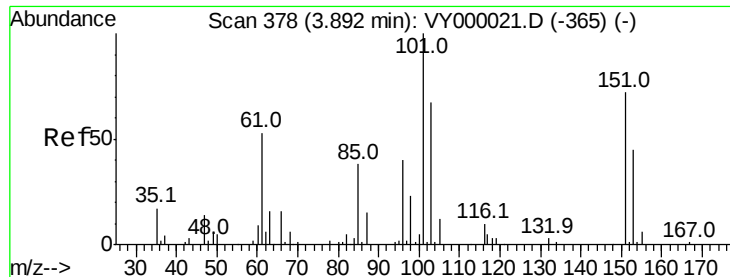


#8

Diethyl Ether
 Concen: 3.699 ug/l
 RT: 3.54 min Scan# 320
 Delta R.T. 0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion: 74 Resp: 2858
 Ion Ratio Lower Upper
 74 100
 45 75.9 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.837 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

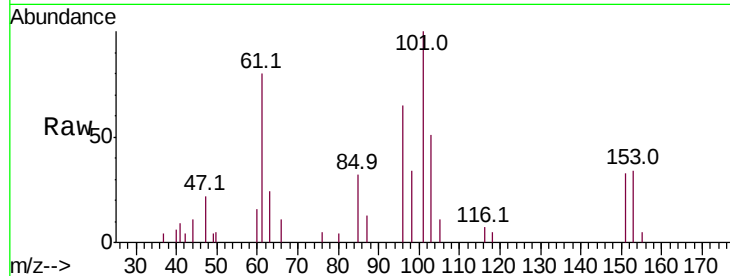
Tot Ion:101 Resp: 4909

Ion Ratio Lower Upper

101 100

85 42.0 35.3 52.9

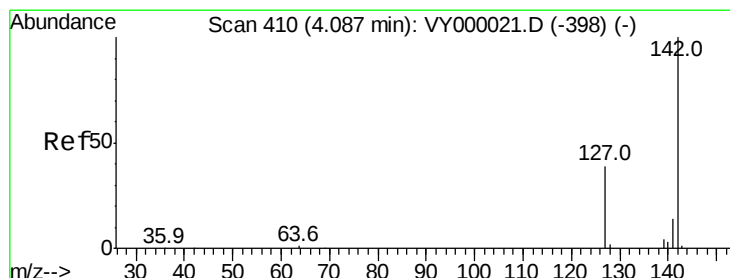
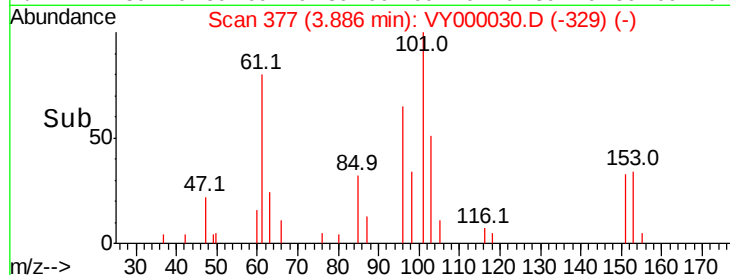
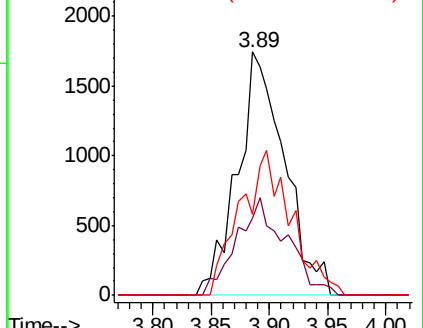
151 64.3 55.9 83.9



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: 2.512 ug/l

RT: 4.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

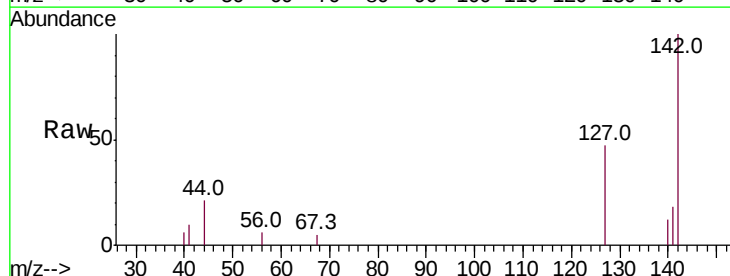
Tgt Ion:142 Resp: 3515

Ion Ratio Lower Upper

142 100

127 41.8 31.4 47.2

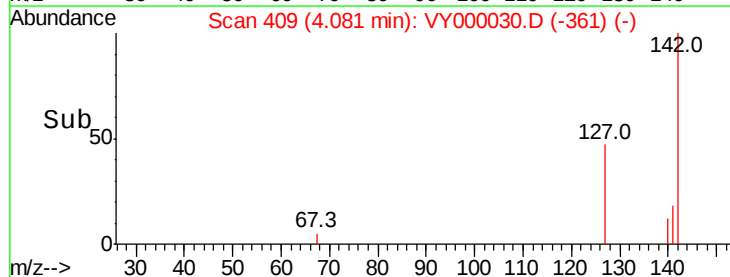
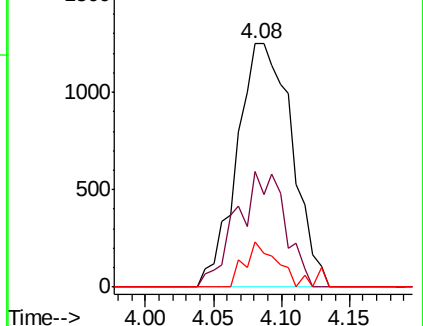
141 10.5 10.6 16.0#

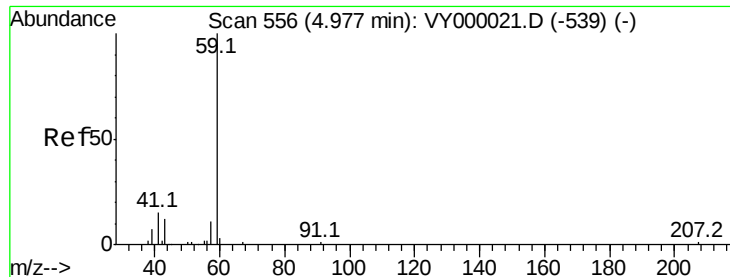


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



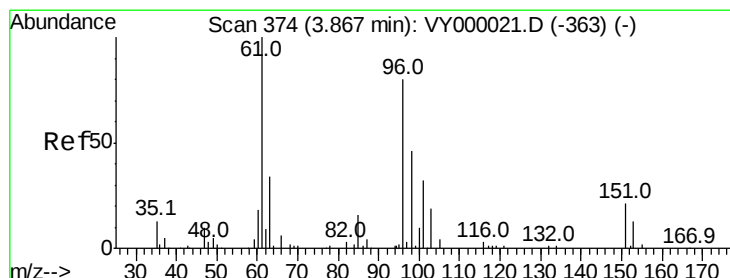
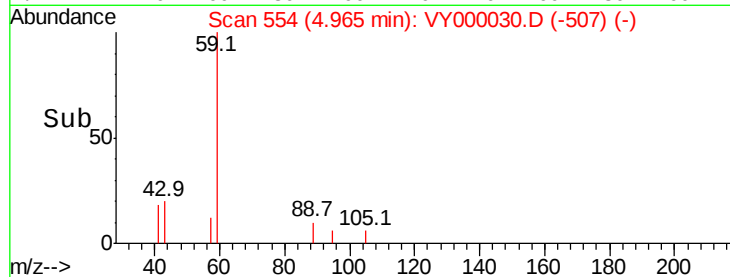
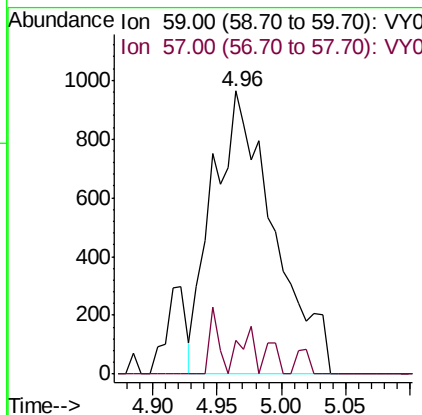
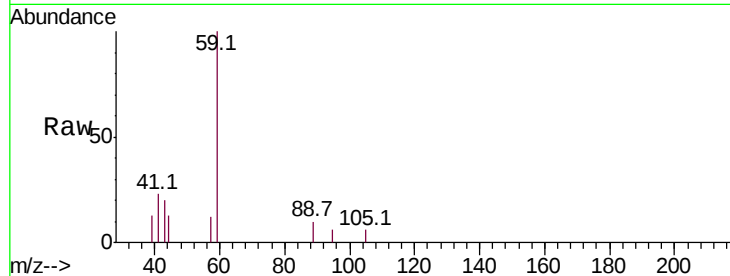


#11

Tert butyl alcohol
Concen: 17.947 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :

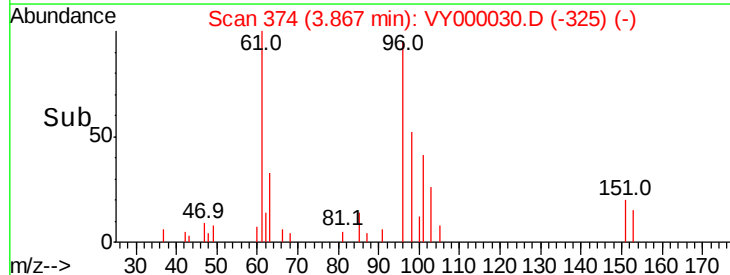
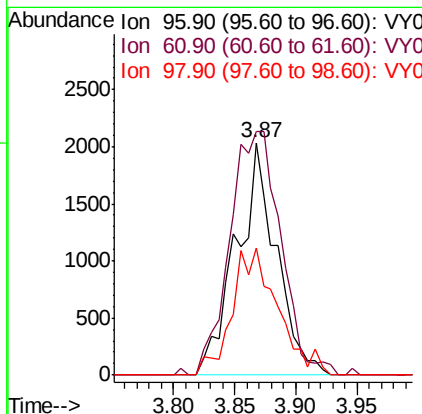
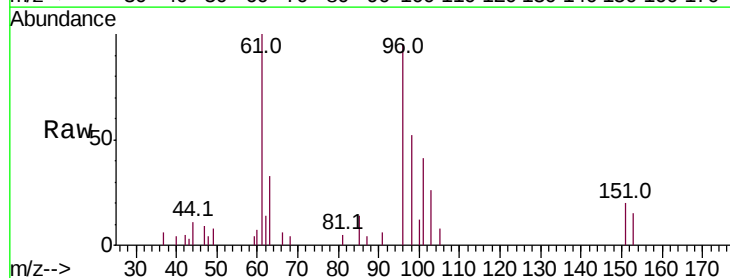
Tot Ion: 59 Resp: 3180
Ion Ratio Lower Upper
59 100
57 4.2 8.3 12.5#

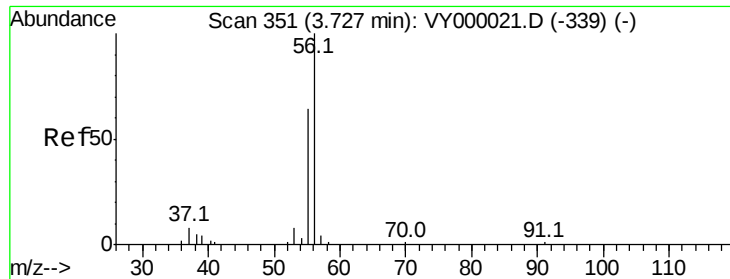


#12

1,1-Dichloroethene
Concen: 3.878 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 96 Resp: 4624
Ion Ratio Lower Upper
96 100
61 104.9 99.8 149.6
98 54.8 46.3 69.5





#13

Acrolein

Concen: 23.682 ug/l

RT: 3.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

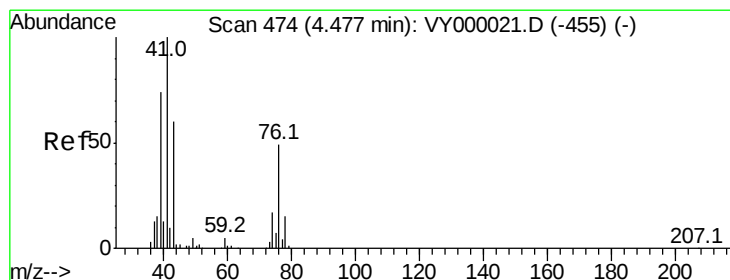
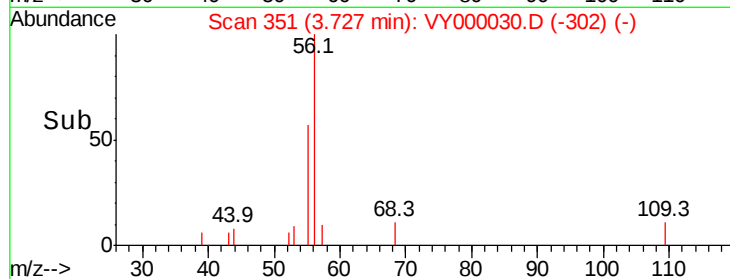
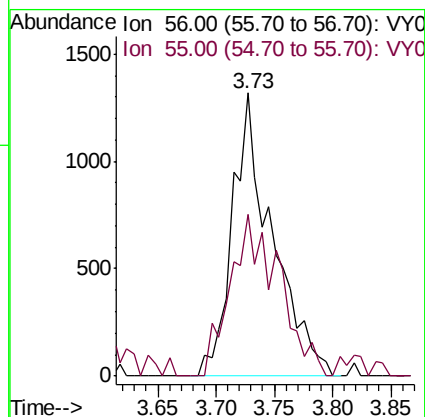
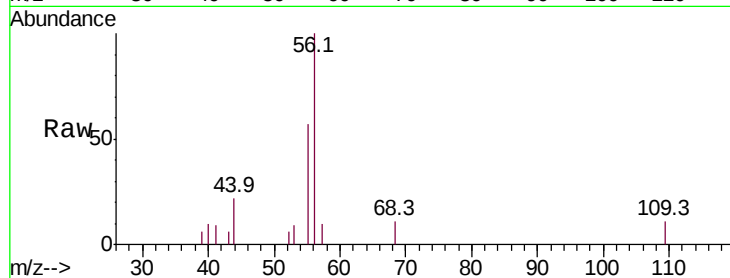
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3148

Ion Ratio Lower Upper

56 100

55 69.6 56.7 85.1



#14

Allyl chloride

Concen: 3.643 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

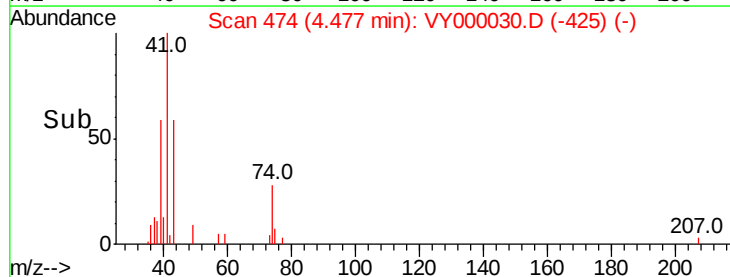
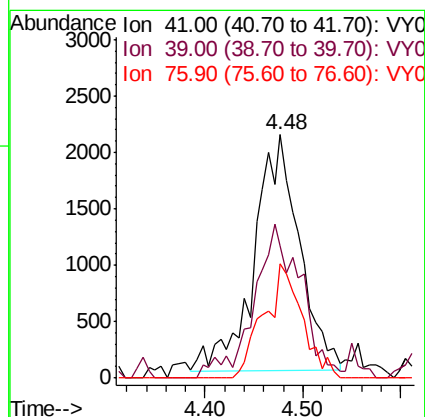
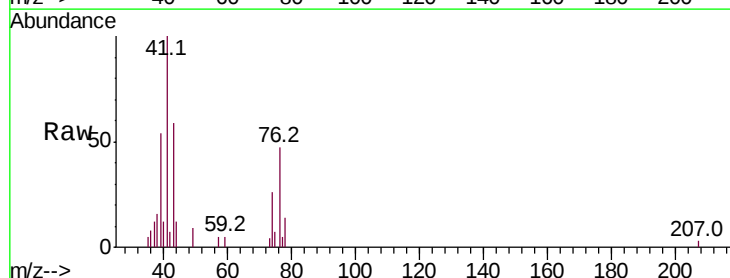
Tgt Ion: 41 Resp: 6744

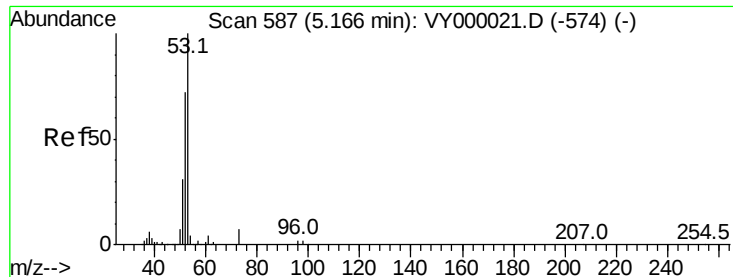
Ion Ratio Lower Upper

41 100

39 63.5 53.1 79.7

76 40.8 34.9 52.3





#15

Acrylonitrile

Concen: 16.246 ug/l

RT: 5.18 min Scan# 589

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :

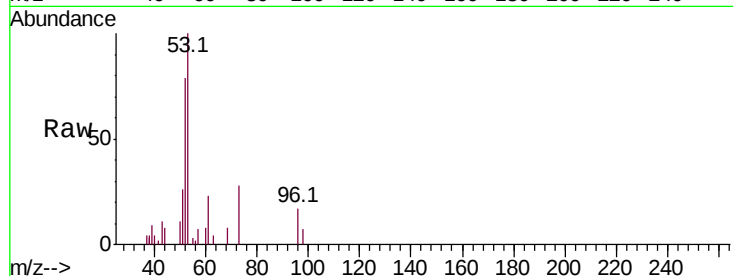
Tot Ion: 53 Resp: 7964

Ion Ratio Lower Upper

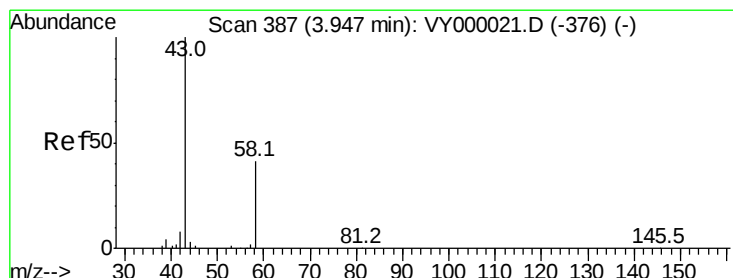
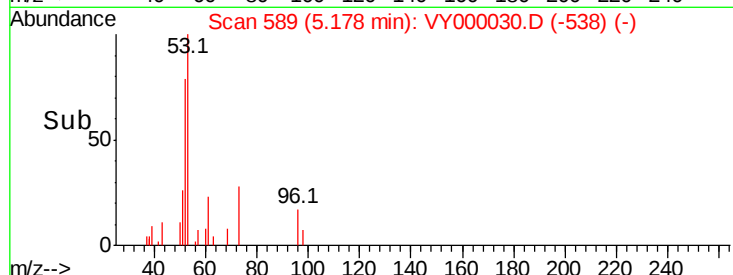
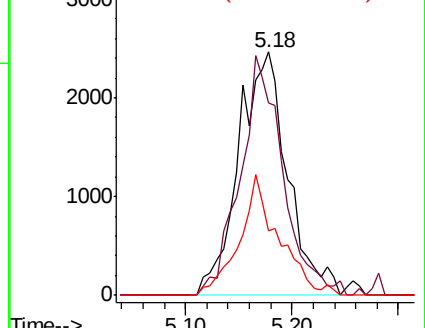
53 100

52 86.2 62.8 94.2

51 38.7 26.6 40.0



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



#16

Acetone

Concen: 18.501 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY000030.D

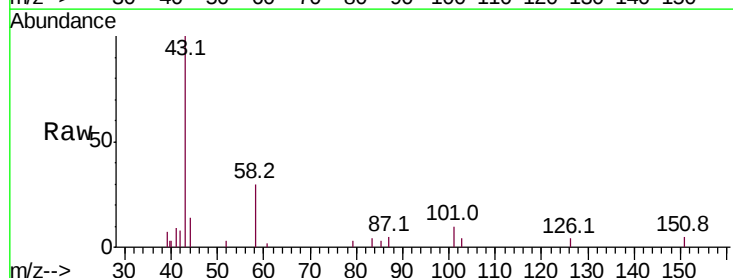
Acq: 12 Sep 2019 17:03

Tgt Ion: 43 Resp: 7150

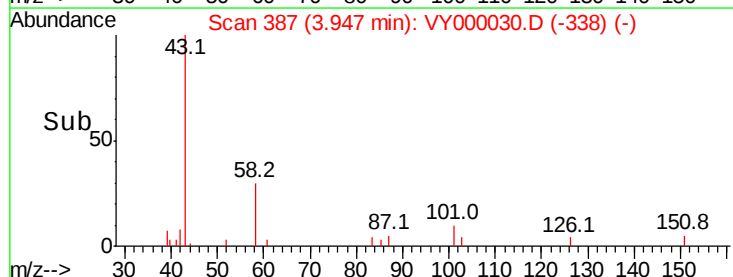
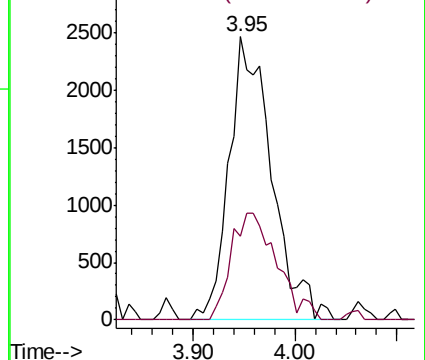
Ion Ratio Lower Upper

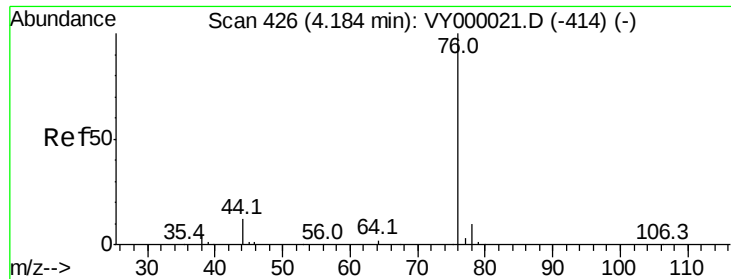
43 100

58 29.5 32.5 48.7#



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

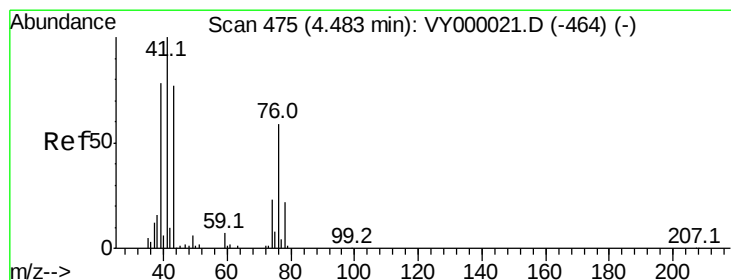
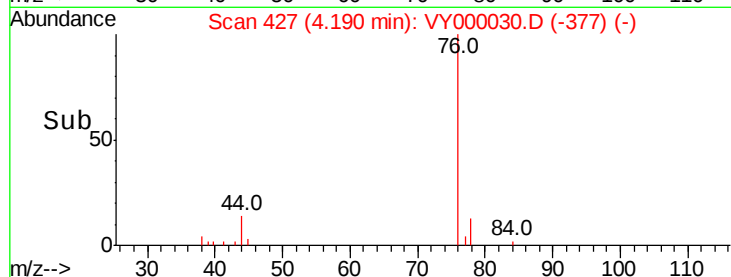
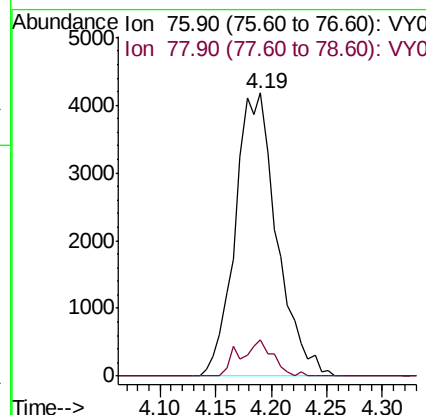
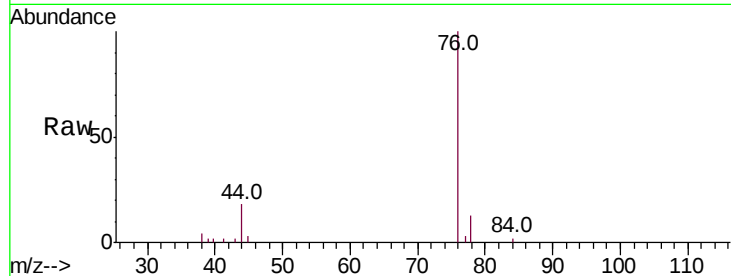




#17
Carbon Disulfide
Concen: 4.514 ug/l
RT: 4.19 min Scan# 427
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

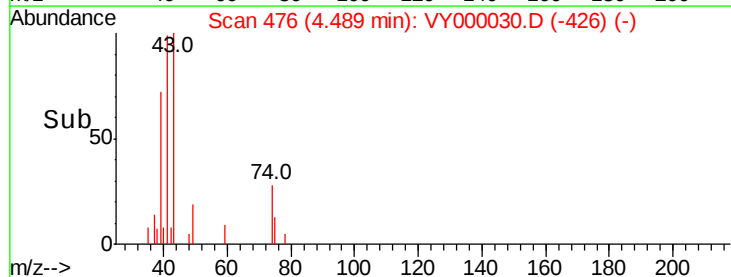
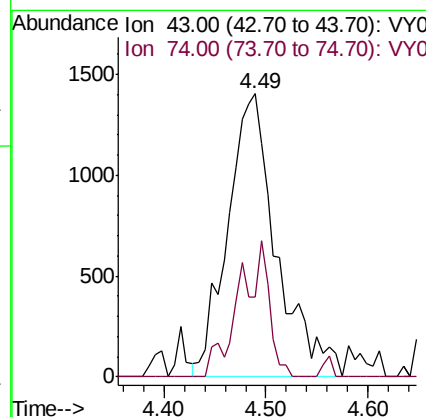
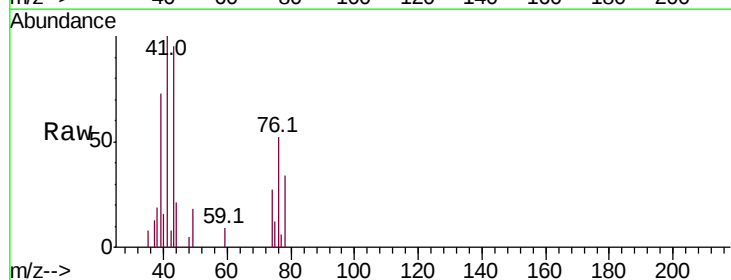
Instrument :
MSVOA_Y
ClientSampleId :

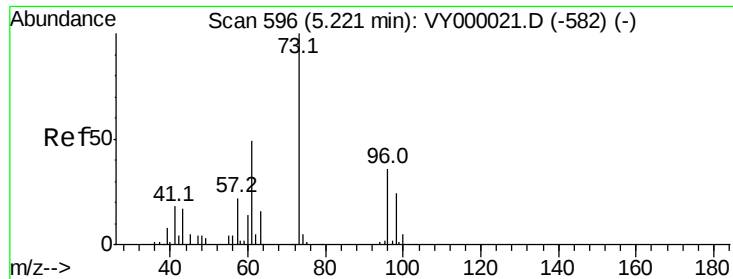
Tot Ion: 76 Resp: 10839
Ion Ratio Lower Upper
76 100
78 13.0 7.6 11.4#



#18
Methyl Acetate
Concen: 4.291 ug/l
RT: 4.49 min Scan# 476
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 43 Resp: 4666
Ion Ratio Lower Upper
43 100
74 15.1 21.4 32.0#

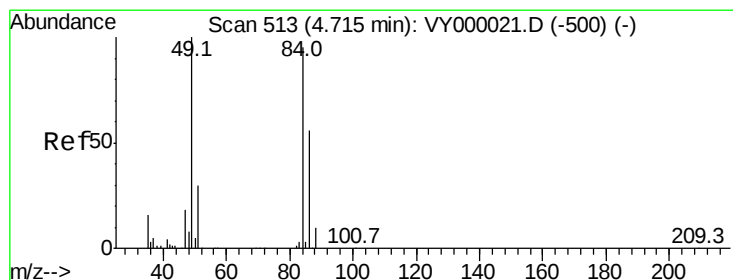
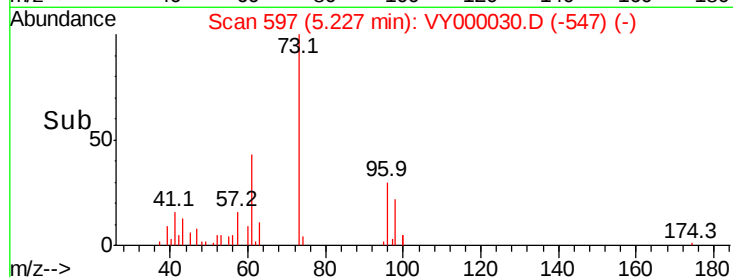
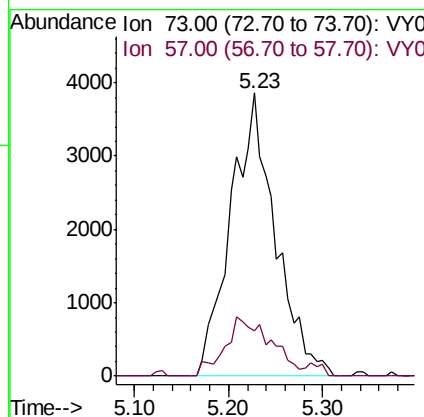
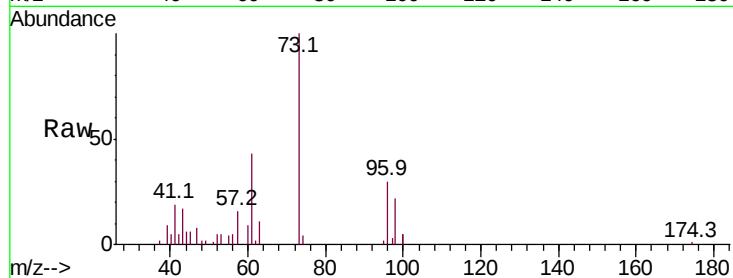




#19
Methvl tert-butvl Ether
Concen: 3.521 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

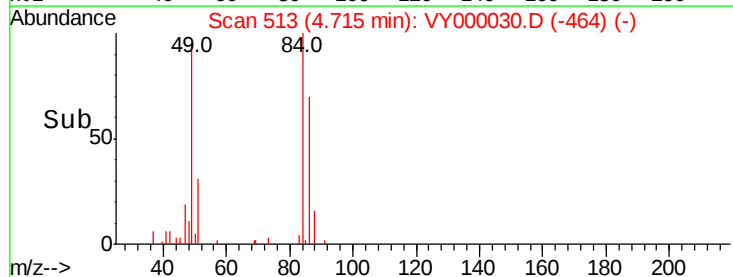
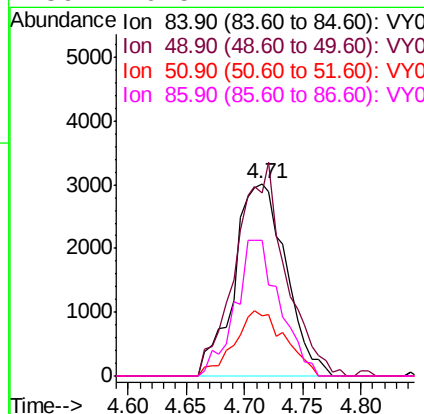
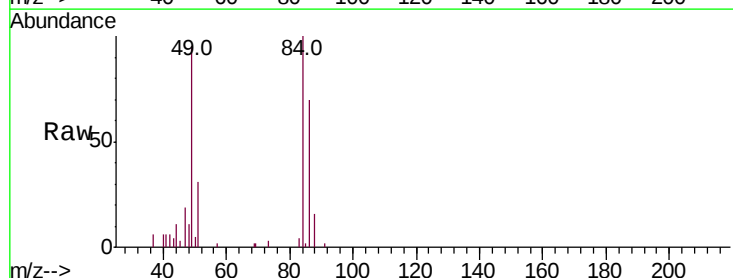
Instrument :
MSVOA_Y
ClientSampleId :

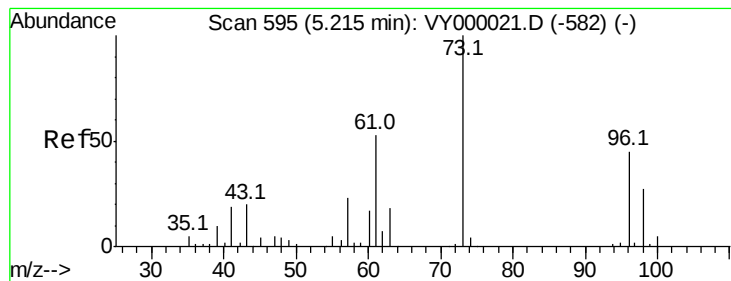
Tot Ion: 73 Resp: 12716
Ion Ratio Lower Upper
73 100
57 15.8 17.8 26.8#



#20
Methylene Chloride
Concen: 6.048 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 84 Resp: 9317
Ion Ratio Lower Upper
84 100
49 95.0 84.4 126.6
51 31.5 25.4 38.0
86 70.5 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 3.516 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :

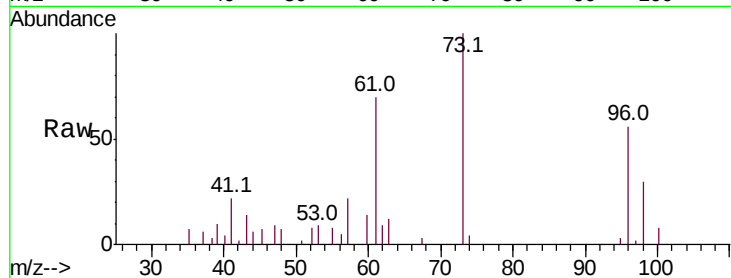
Tot Ion: 96 Resp: 4642

Ion Ratio Lower Upper

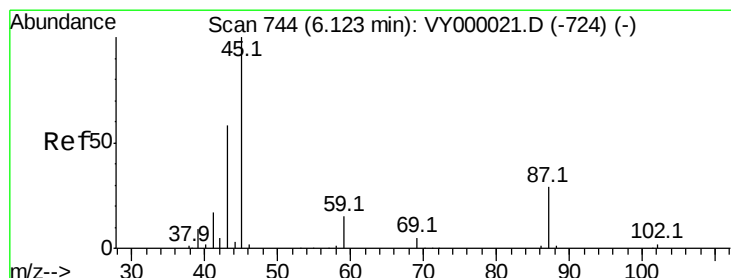
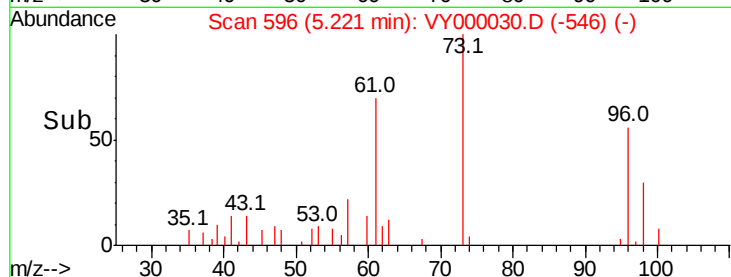
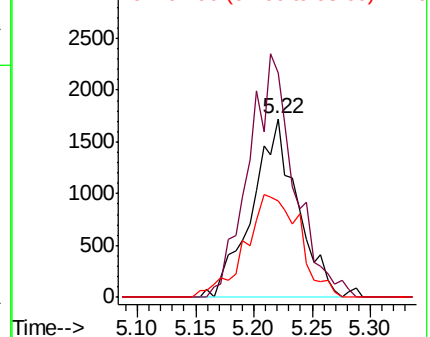
96 100

61 125.6 95.3 142.9

98 54.2 48.7 73.1



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: 3.399 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion: 45 Resp: 13890

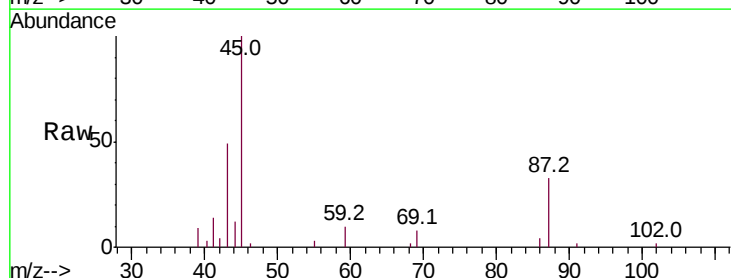
Ion Ratio Lower Upper

45 100

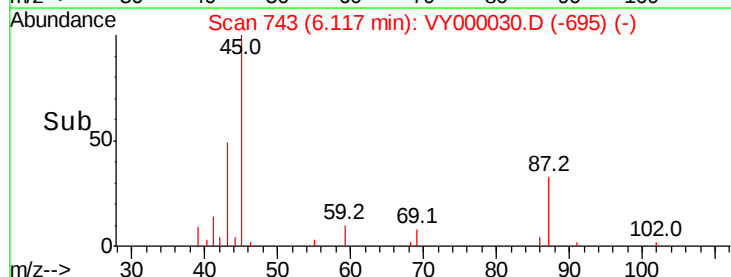
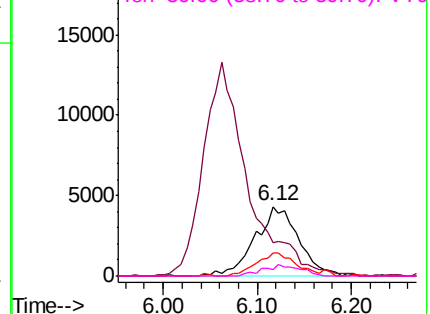
43 45.4 47.0 70.4#

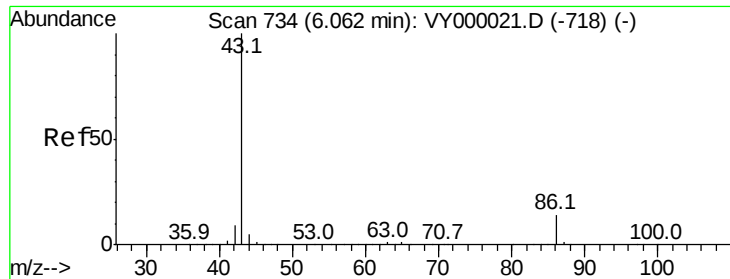
87 33.3 23.1 34.7

59 10.0 11.8 17.6#



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: 15.461 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

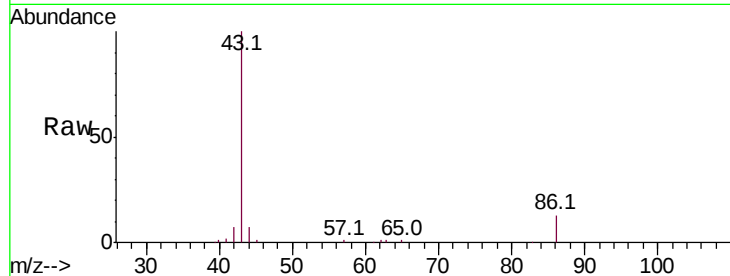
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 43712

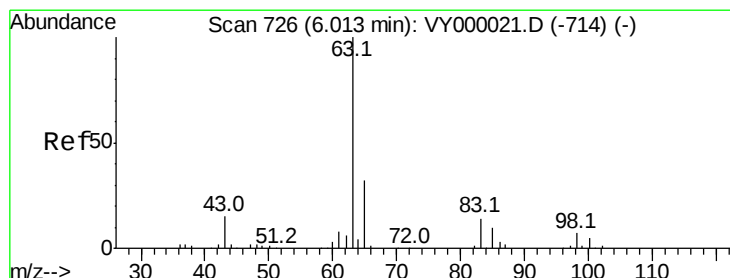
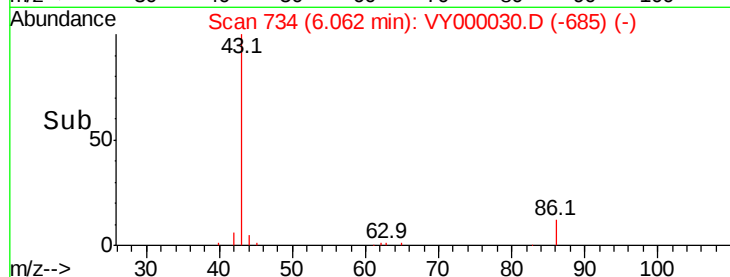
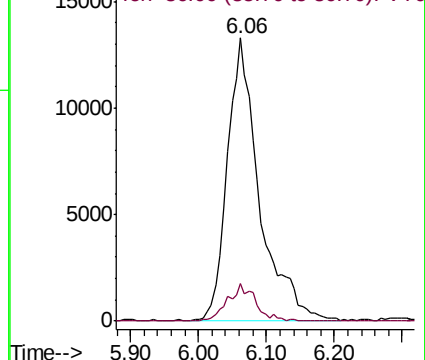
Ion Ratio Lower Upper

43 100

86 13.4 11.0 16.4



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



#24

1,1-Dichloroethane

Concen: 3.259 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

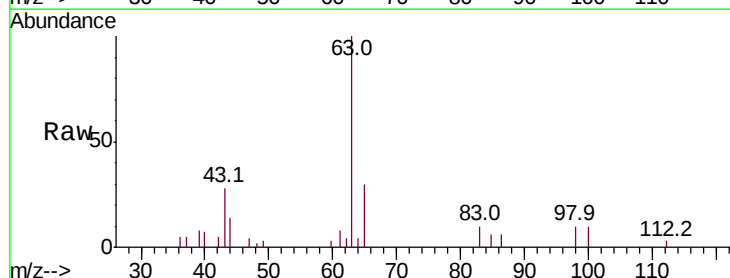
Tgt Ion: 63 Resp: 7892

Ion Ratio Lower Upper

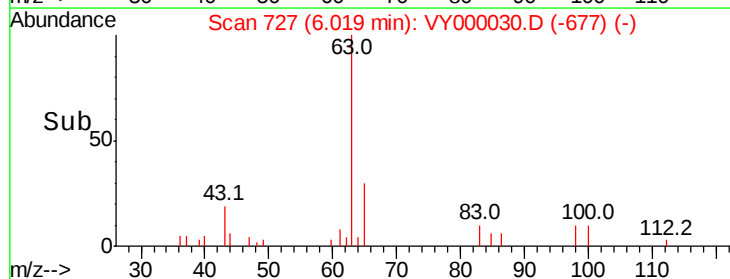
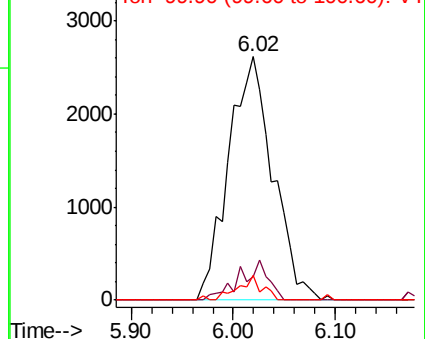
63 100

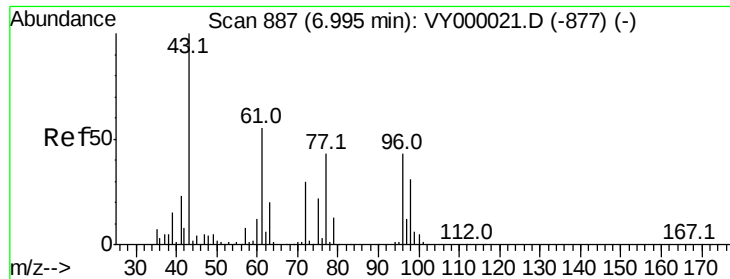
98 9.8 3.8 11.2

100 10.4 2.6 8.0#



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





#25

2-Butanone

Concen: 18.972 ug/l

RT: 7.00 min Scan# 888

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

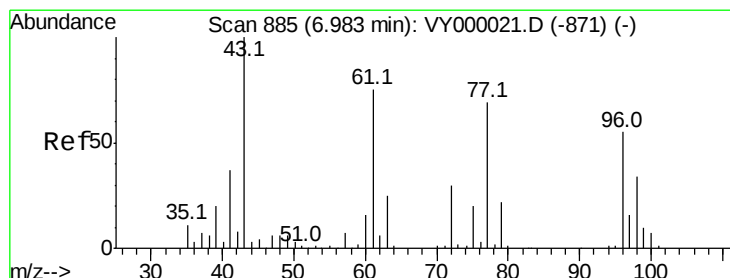
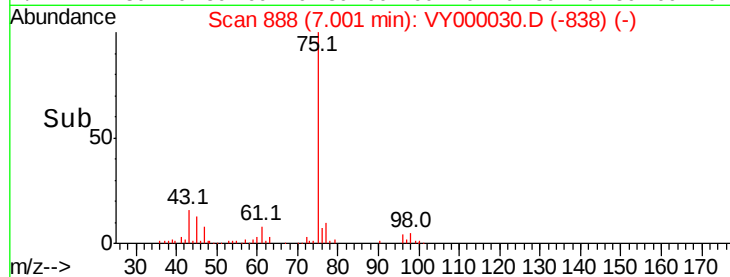
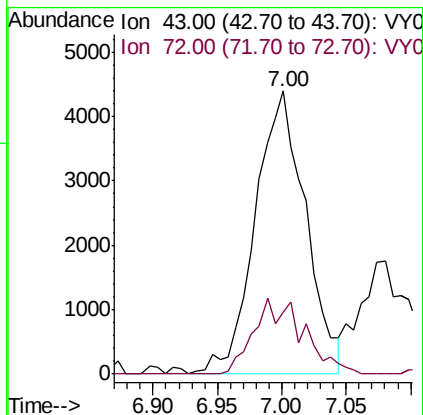
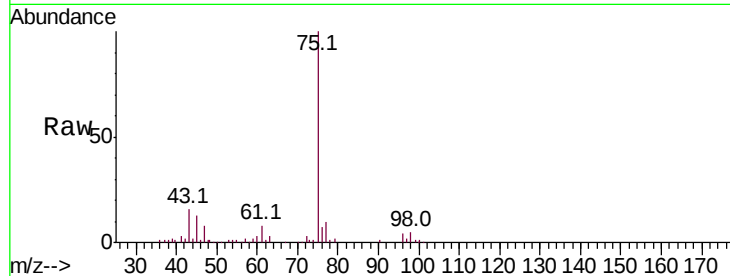
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 11917

Ion Ratio Lower Upper

43 100

72 21.9 24.1 36.1#



#26

2,2-Dichloropropane

Concen: 4.694 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000030.D

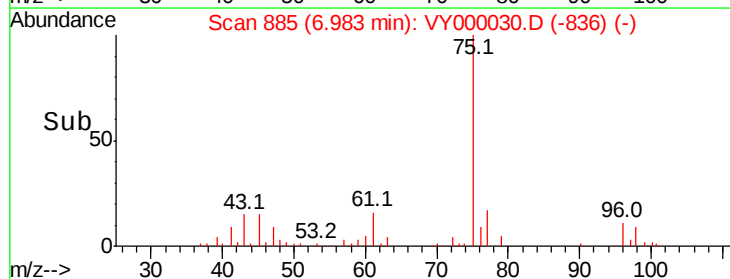
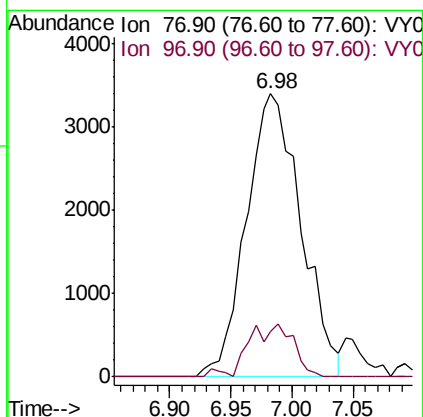
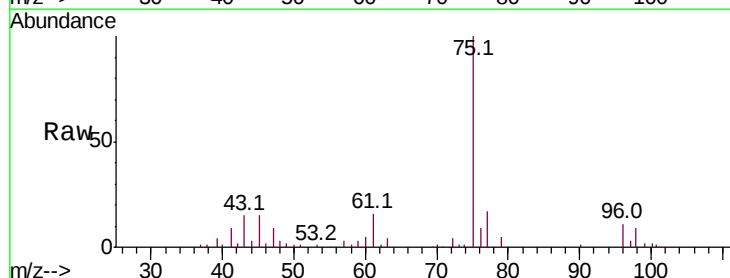
Acq: 12 Sep 2019 17:03

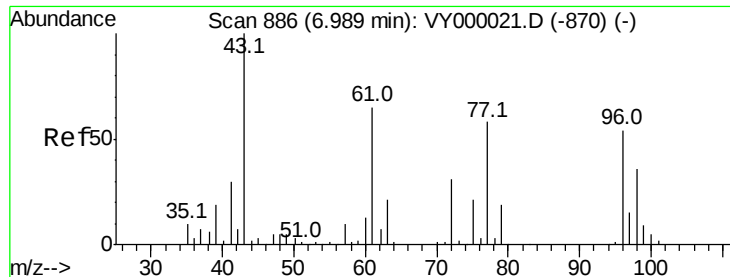
Tgt Ion: 77 Resp: 10561

Ion Ratio Lower Upper

77 100

97 5.1 12.0 36.1#



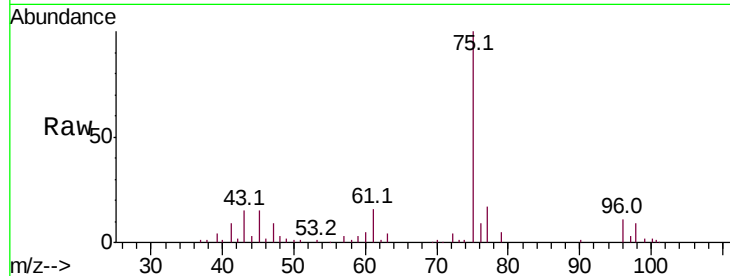


#27

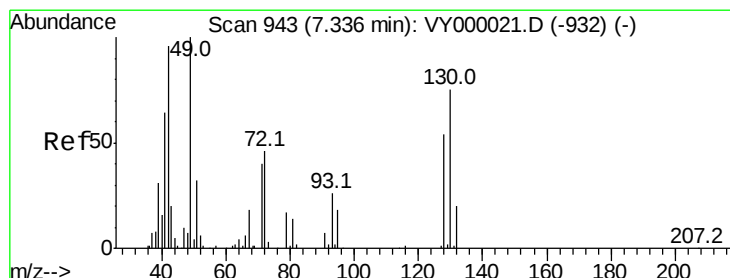
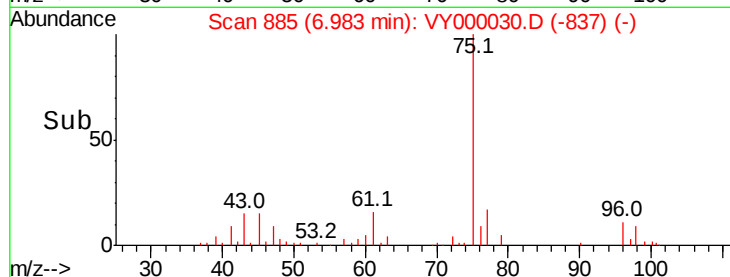
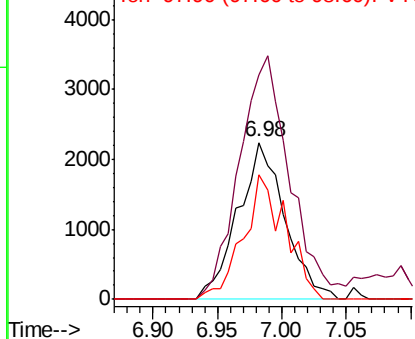
cis-1,2-Dichloroethene
Concen: 3.408 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 5676
Ion Ratio Lower Upper
96 100
61 167.4 0.0 259.2
98 71.7 0.0 127.4



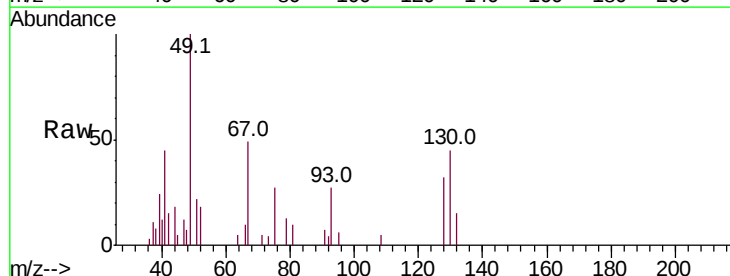
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



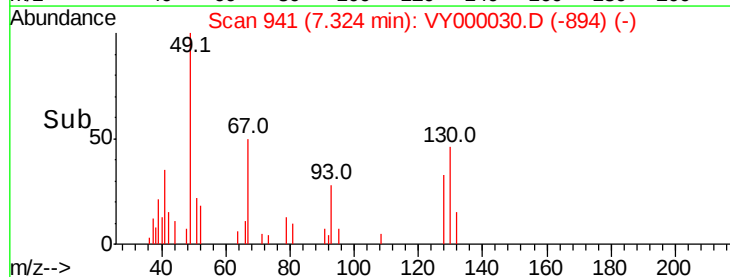
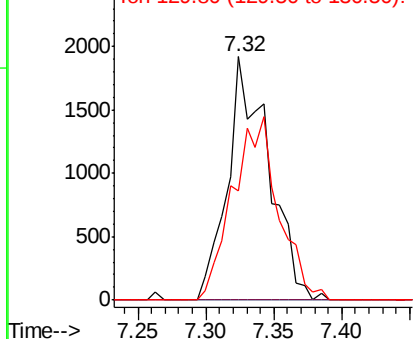
#28

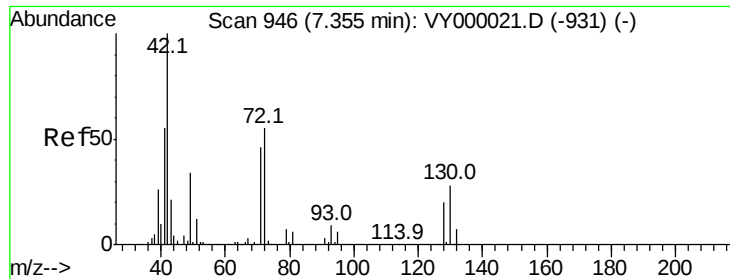
Bromochloromethane
Concen: 3.639 ug/l
RT: 7.32 min Scan# 941
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 49 Resp: 4047
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.8
130 84.2 62.5 93.7



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

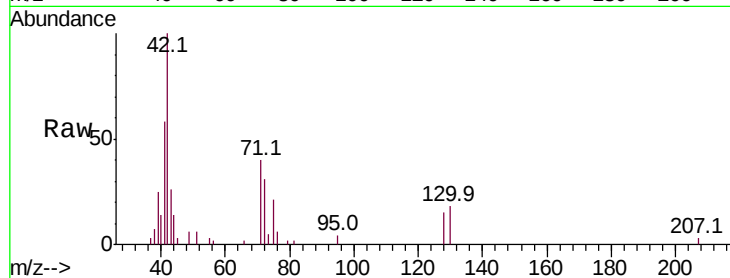




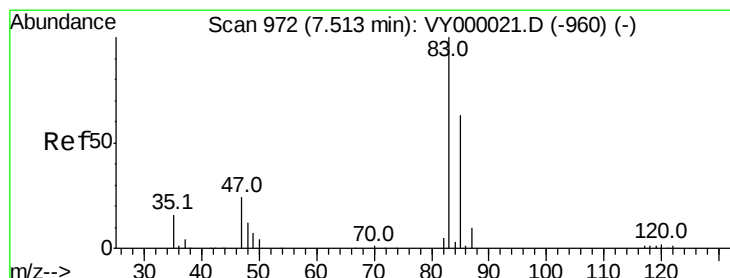
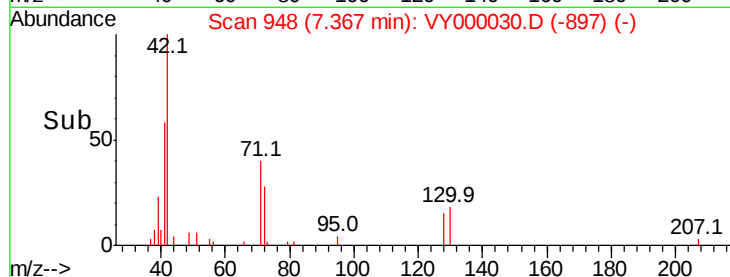
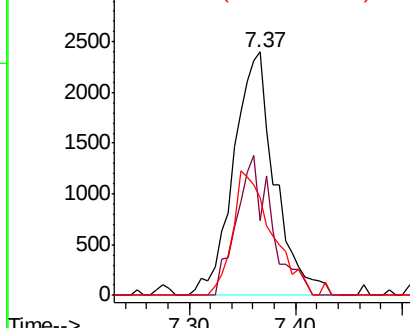
#29
Tetrahydrofuran
Concen: 17.484 ug/l
RT: 7.37 min Scan# 948
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 6533
Ion Ratio Lower Upper
42 100
72 49.1 41.1 61.7
71 48.5 36.5 54.7

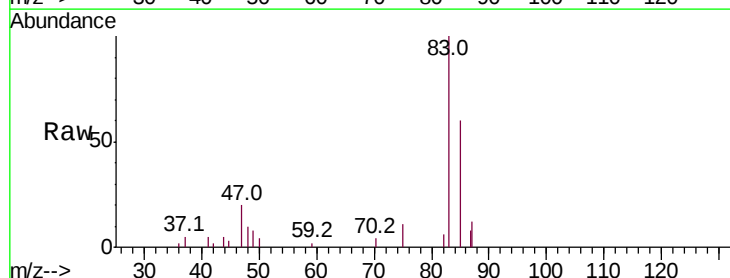


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

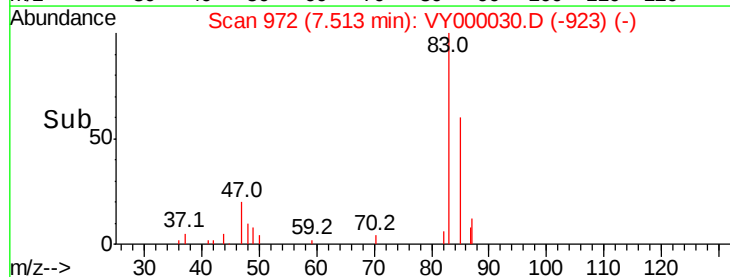
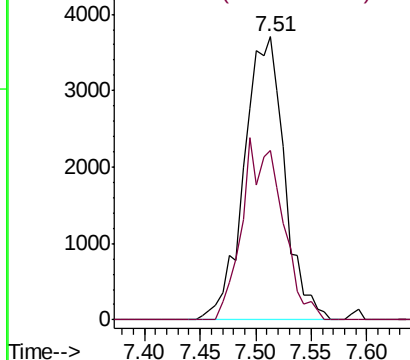


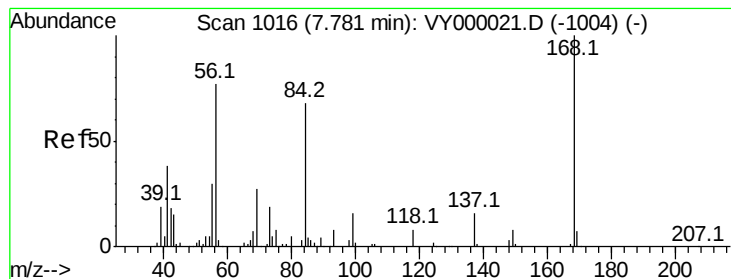
#30
Chloroform
Concen: 3.757 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 83 Resp: 9384
Ion Ratio Lower Upper
83 100
85 59.7 50.6 76.0



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





#31

Cyclohexane

Concen: 5.099 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :

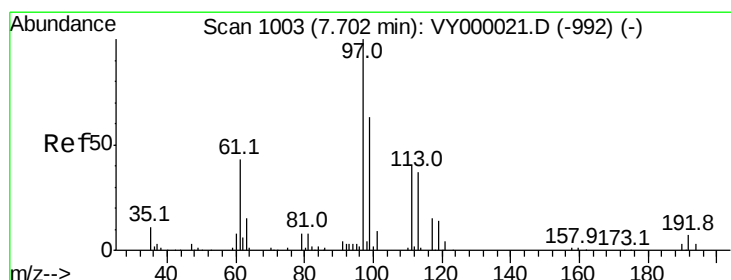
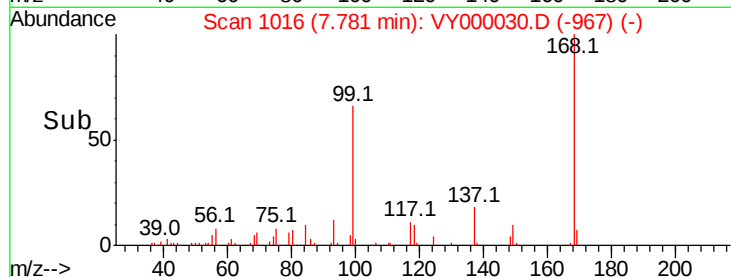
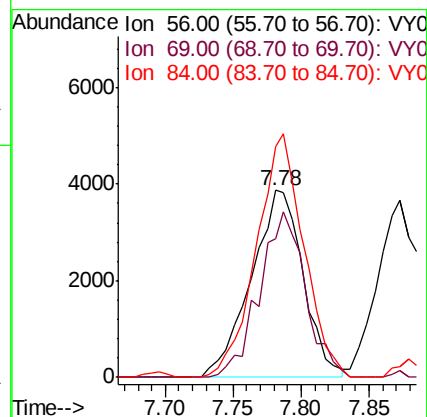
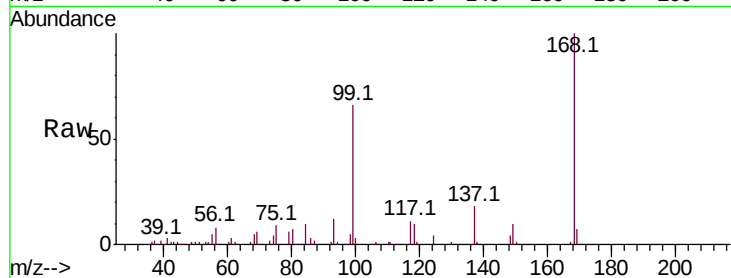
Tot Ion: 56 Resp: 10291

Ion Ratio Lower Upper

56 100

69 74.5 28.0 42.0#

84 123.7 70.4 105.6#



#32

1,1,1-Trichloroethane

Concen: 3.325 ug/l

RT: 7.70 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

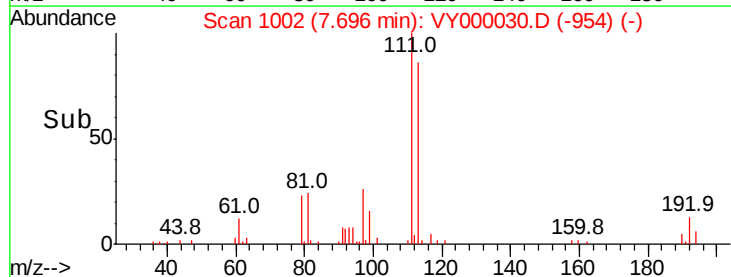
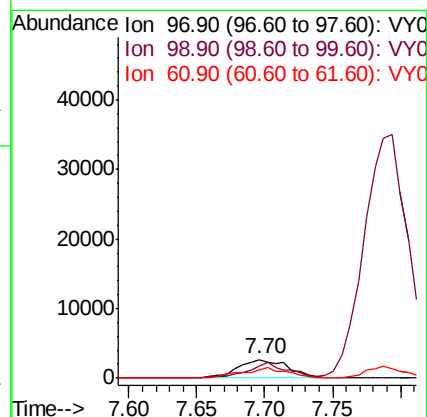
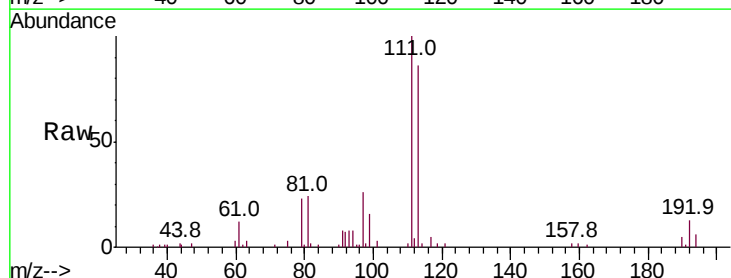
Tgt Ion: 97 Resp: 6812

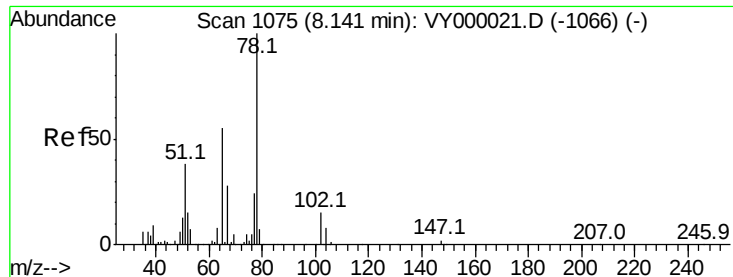
Ion Ratio Lower Upper

97 100

99 66.0 51.0 76.6

61 50.6 35.7 53.5

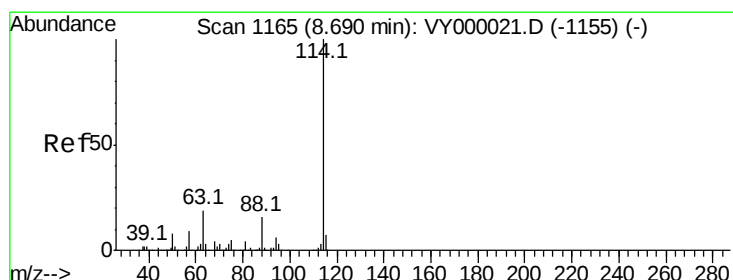
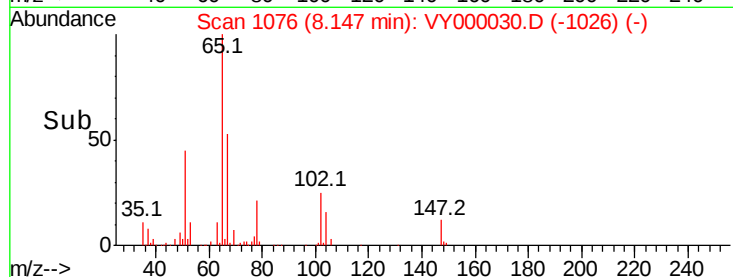
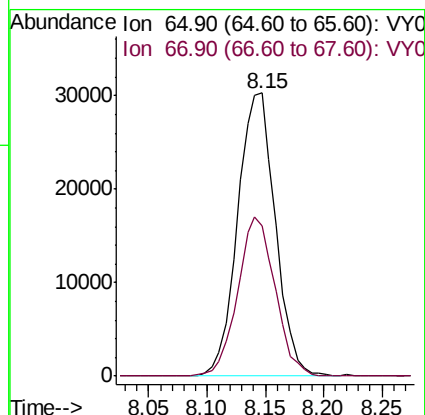
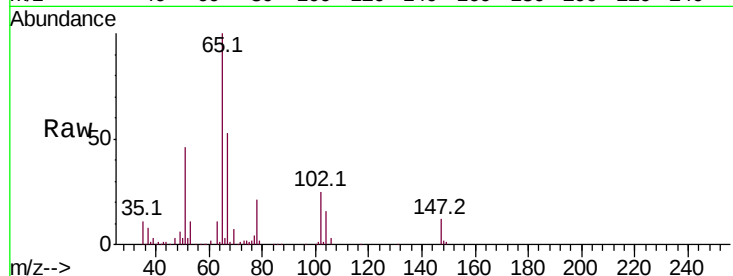




#33
 1,2-Dichloroethane-d4
 Concen: 49.017 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

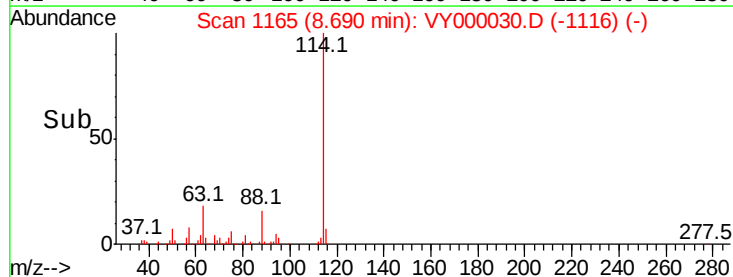
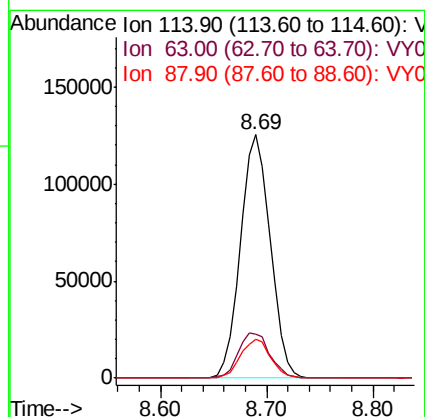
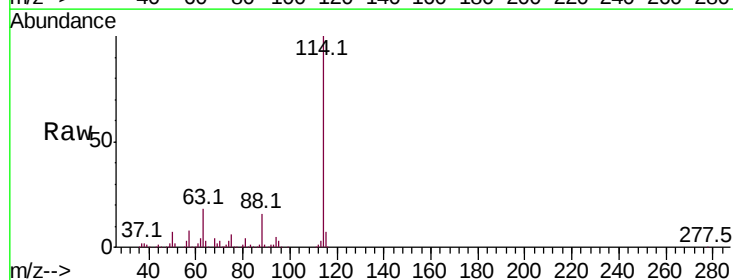
Instrument :
 MSVOA_Y
 ClientSampleId :

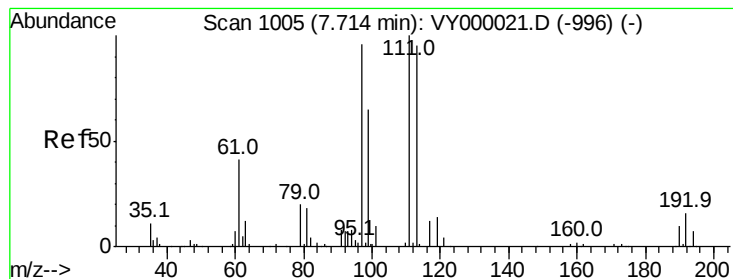
Tot Ion: 65 Resp: 68317
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion: 114 Resp: 247164
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.6
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.263 ug/l

RT: 7.71 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

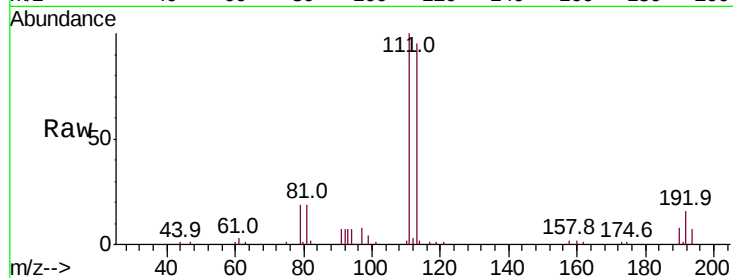
Tot Ion:113 Resp: 67018

Ion Ratio Lower Upper

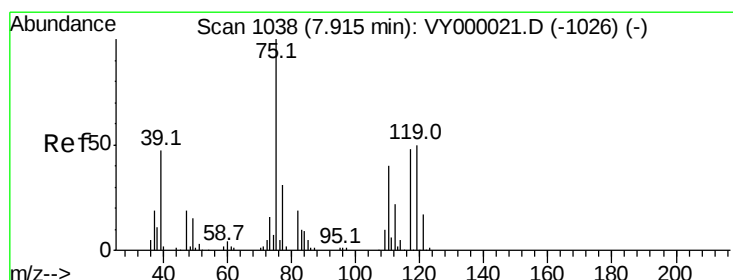
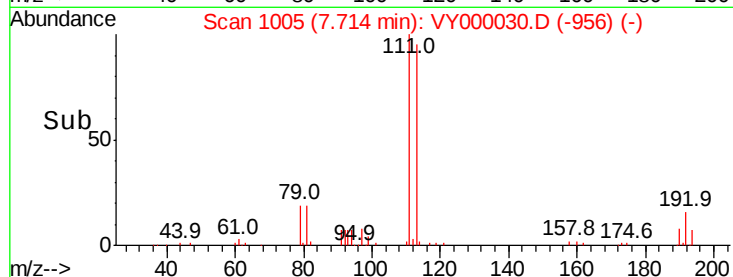
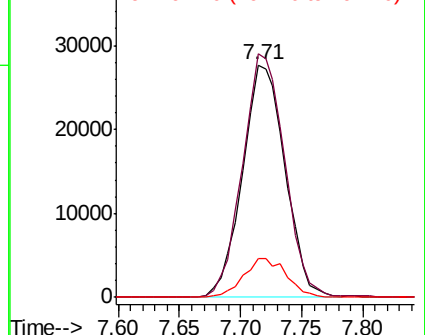
113 100

111 103.7 83.9 125.9

192 16.8 14.5 21.7



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: 3.802 ug/l

RT: 7.91 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

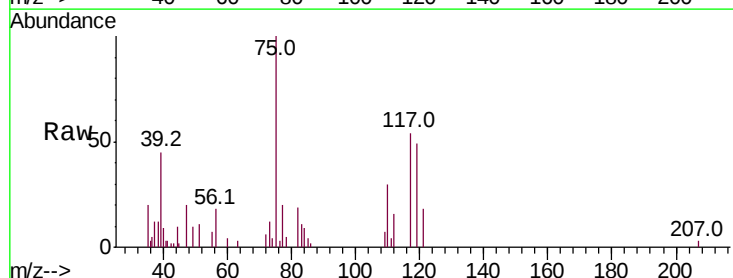
Tgt Ion: 75 Resp: 6900

Ion Ratio Lower Upper

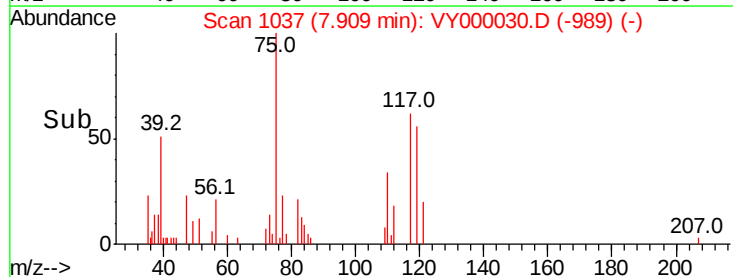
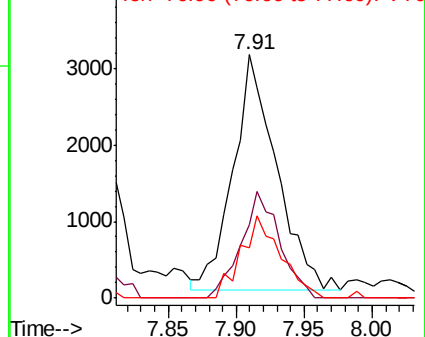
75 100

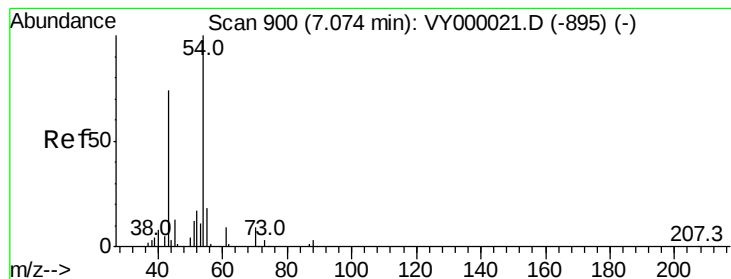
110 39.9 18.6 55.8

77 31.6 24.4 36.6



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: 4.052 ug/l

RT: 7.08 min Scan# 901

Delta R.T. 0.01 min

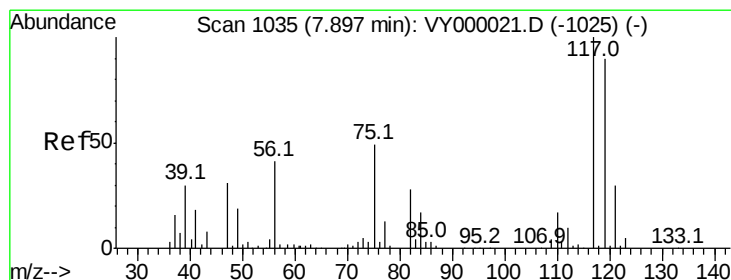
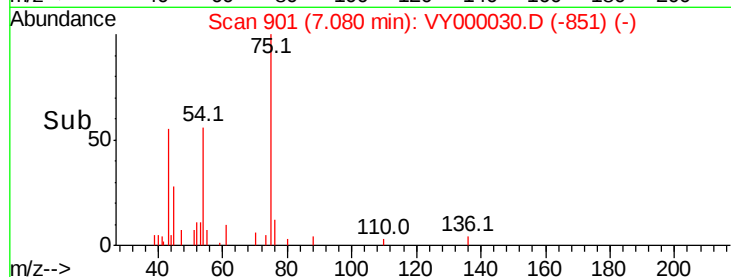
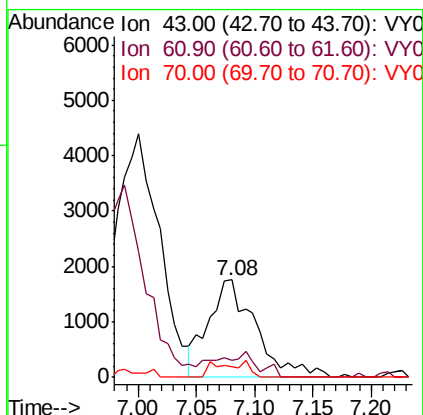
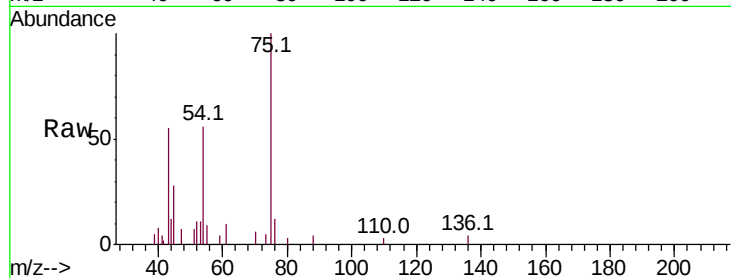
Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 4959

Ion	Ratio	Lower	Upper
43	100		
61	23.4	13.1	19.7#
70	0.0	10.9	16.3#



#38

Carbon Tetrachloride

Concen: 3.461 ug/l

RT: 7.90 min Scan# 1036

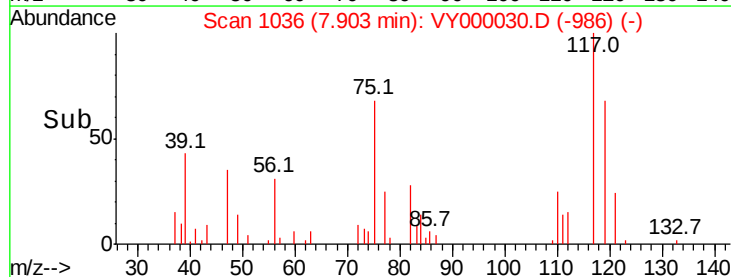
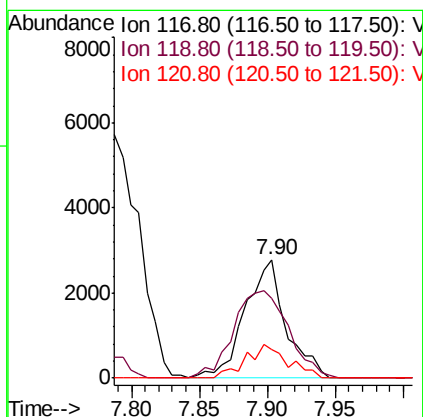
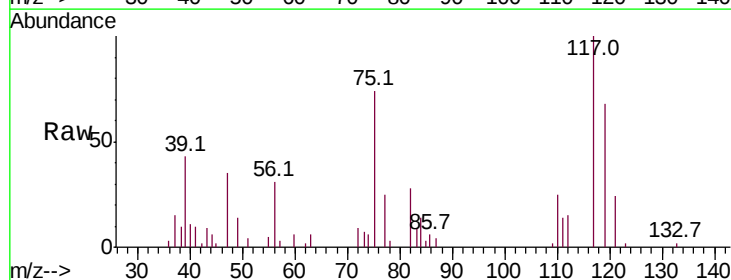
Delta R.T. 0.01 min

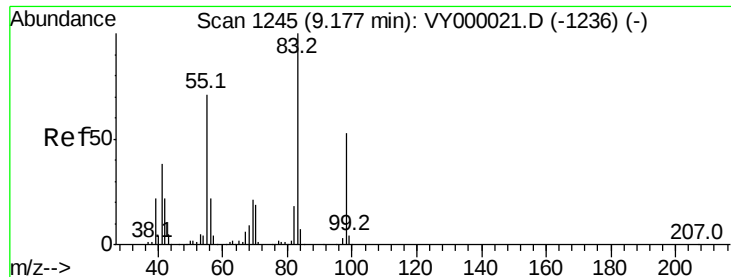
Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion: 117 Resp: 5928

Ion	Ratio	Lower	Upper
117	100		
119	67.5	72.1	108.1#
121	23.7	23.9	35.9#

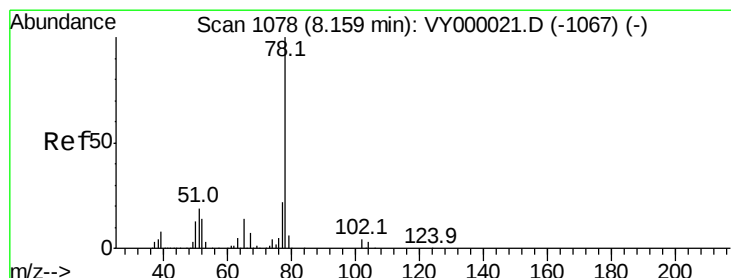
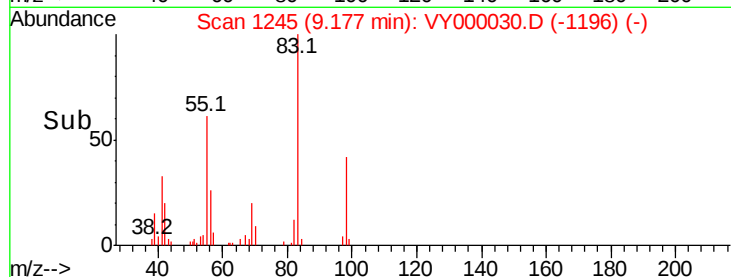
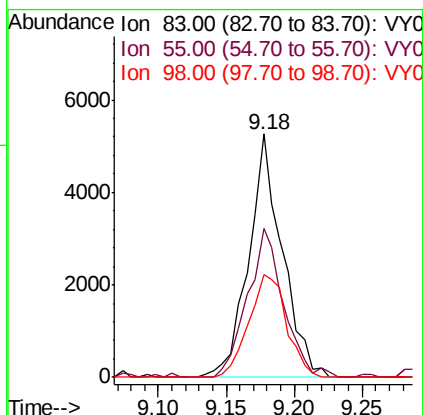
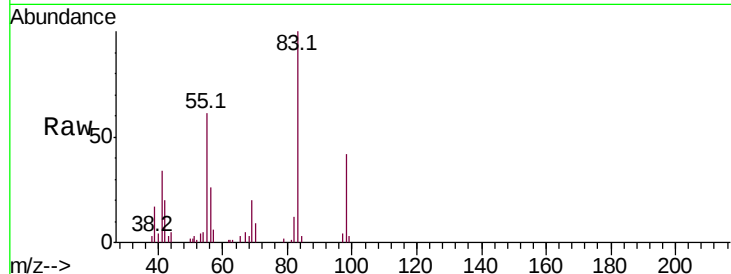




#39
Methvlcvclohexane
Concen: 4.048 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

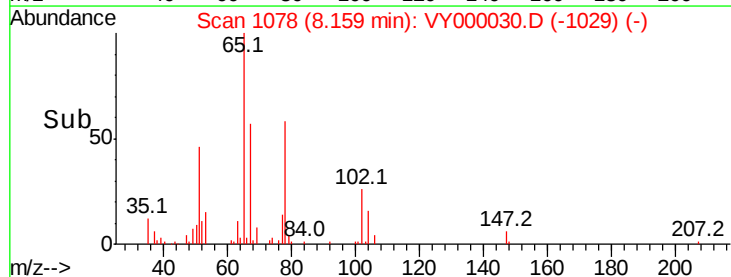
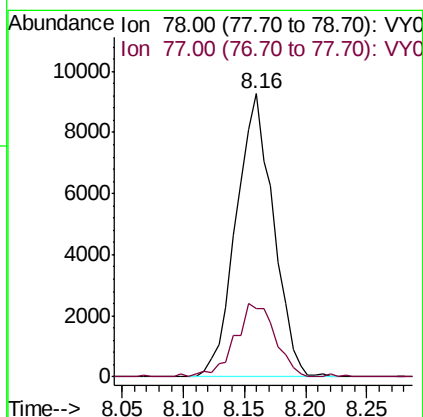
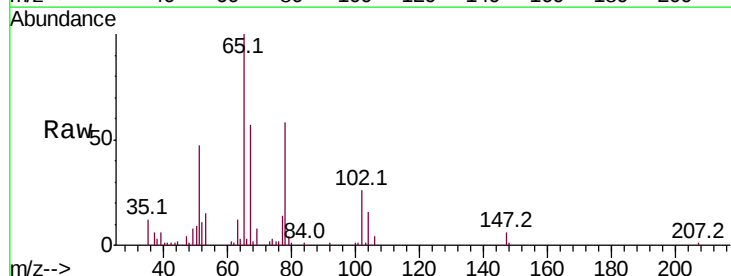
Instrument :
MSVOA_Y
ClientSampleId :

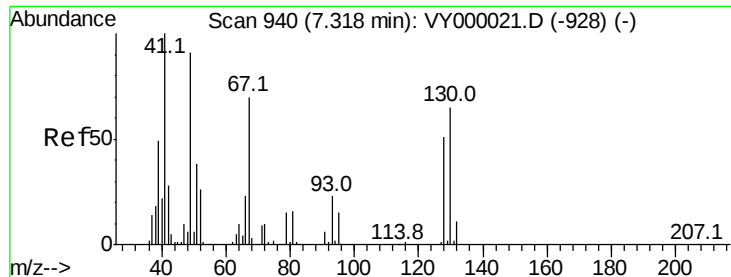
Tot Ion	83	Resp	9075
Ion Ratio	Lower	Upper	
83	100		
55	61.2	57.0	85.4
98	42.4	42.0	63.0



#40
Benzene
Concen: 3.311 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	78	Resp	19560
Ion Ratio	Lower	Upper	
78	100		
77	24.1	17.8	26.6

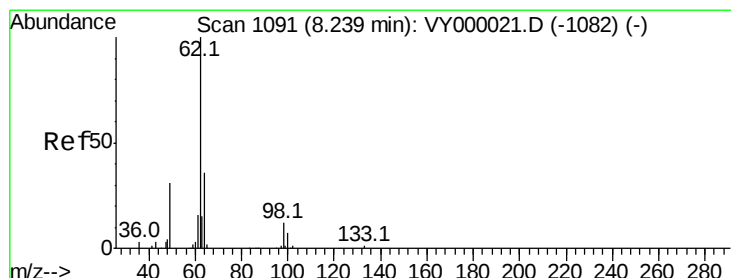
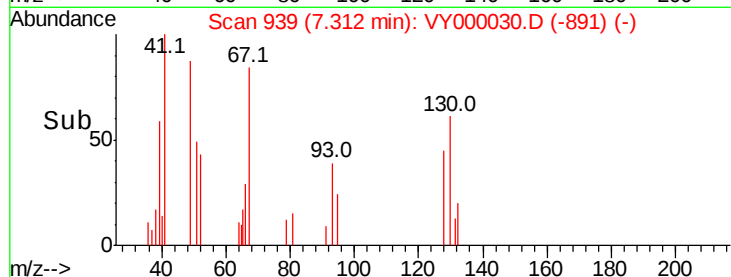
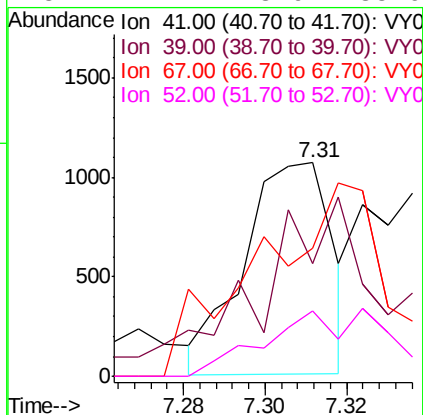
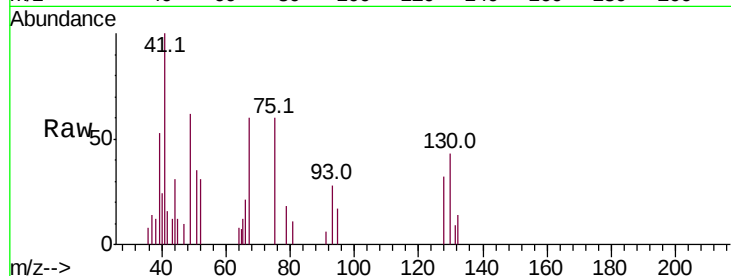




#41
Methacrylonitrile
Concen: 2.247 ug/l
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

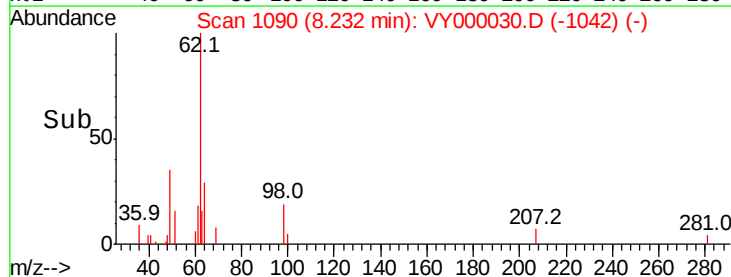
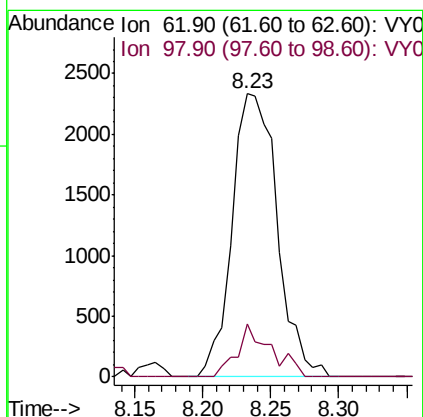
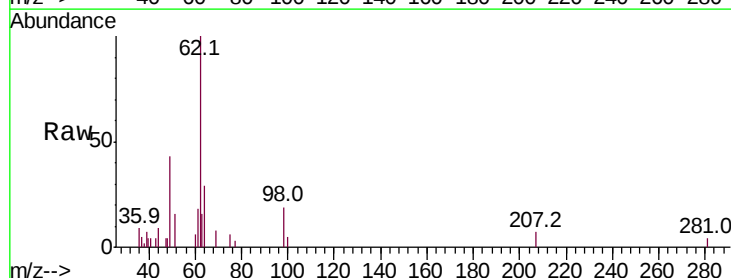
Instrument :
MSVOA_Y
ClientSampled :

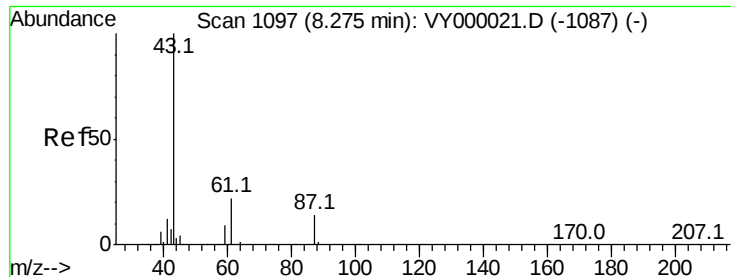
Tot Ion: 41 Resp: 1600
Ion Ratio Lower Upper
41 100
39 106.6 41.8 62.6#
67 136.7 65.8 98.6#
52 44.7 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 3.584 ug/l
RT: 8.23 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 62 Resp: 5411
Ion Ratio Lower Upper
62 100
98 14.0 0.0 23.2

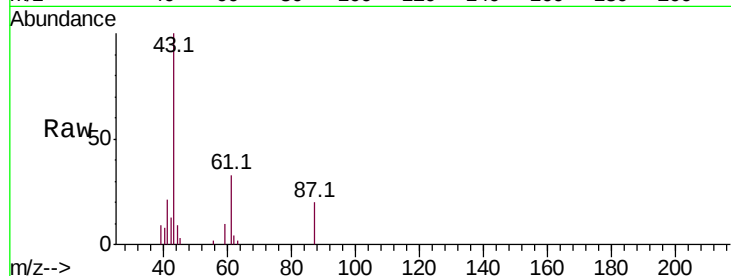




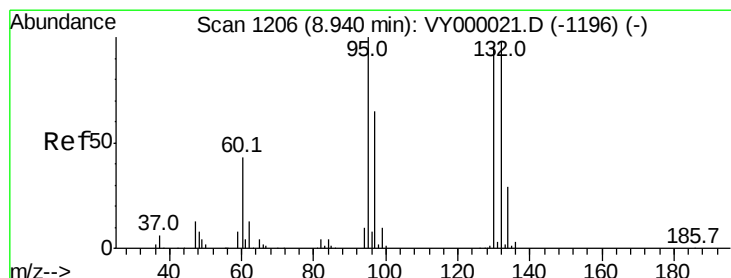
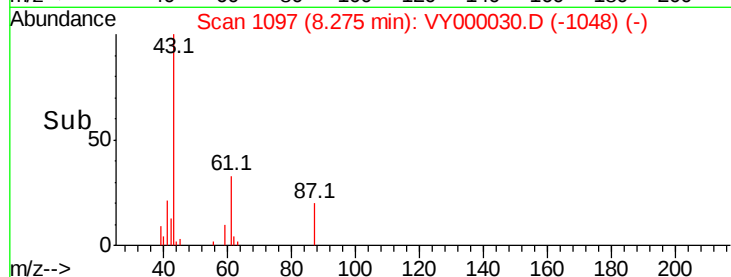
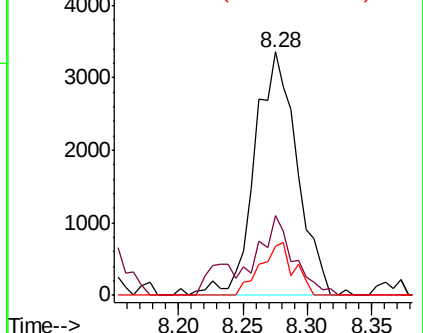
#43
Isopropyl Acetate
Concen: 3.207 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	24.9	37.3
87	17.1	12.3	18.5

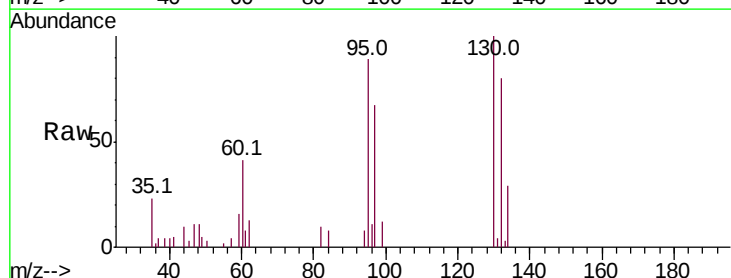


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

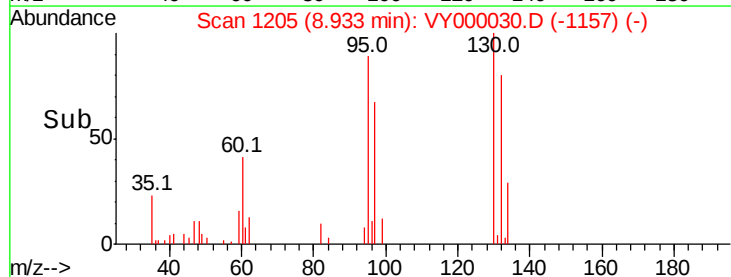
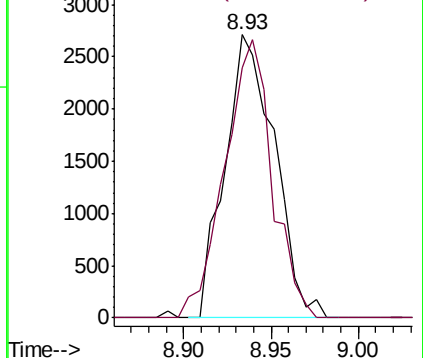


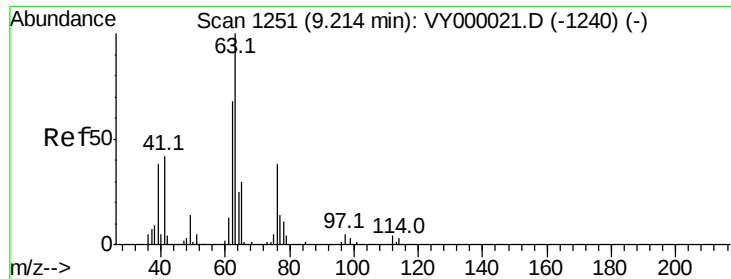
#44
Trichloroethene
Concen: 3.639 ug/l
RT: 8.93 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	207.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 3.033 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

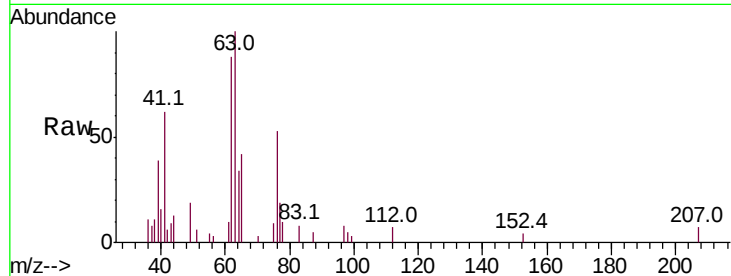
ClientSampled :

Tot Ion: 63 Resp: 4620

Ion Ratio Lower Upper

63 100

65 42.4 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.21

2500

2000

1500

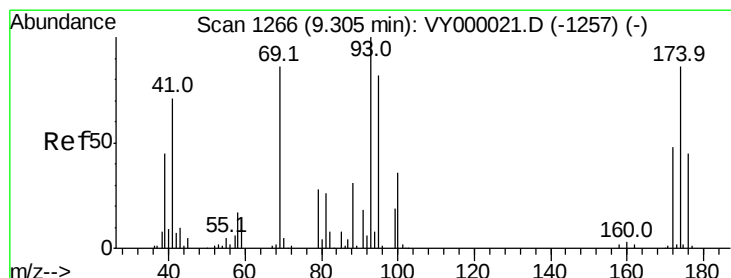
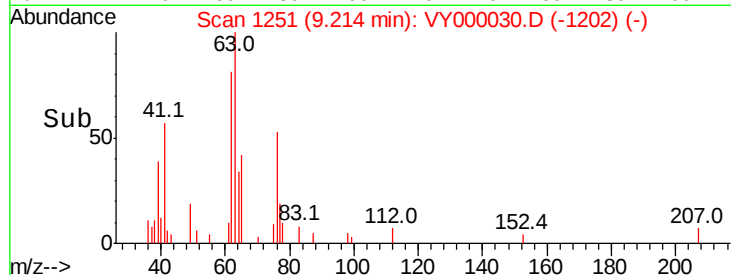
1000

500

0

Time-->

9.15 9.20 9.25



#46

Dibromomethane

Concen: 3.302 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

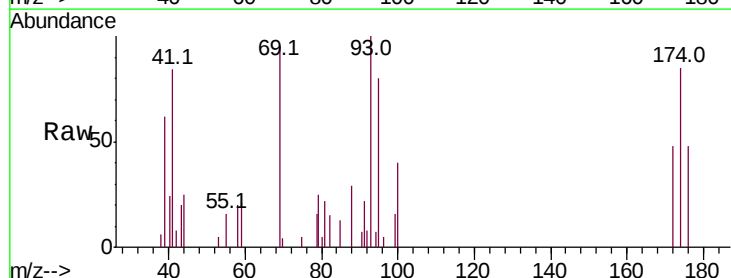
Tgt Ion: 93 Resp: 2792

Ion Ratio Lower Upper

93 100

95 80.9 67.0 100.6

174 84.1 68.8 103.2



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

1500

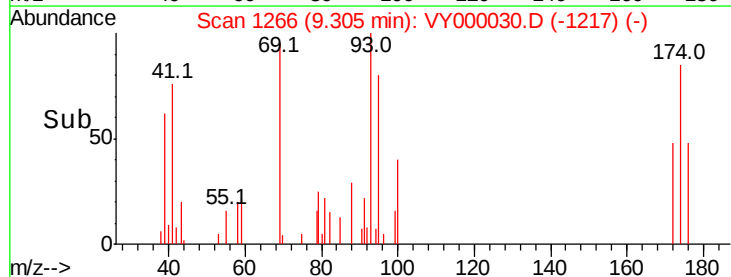
1000

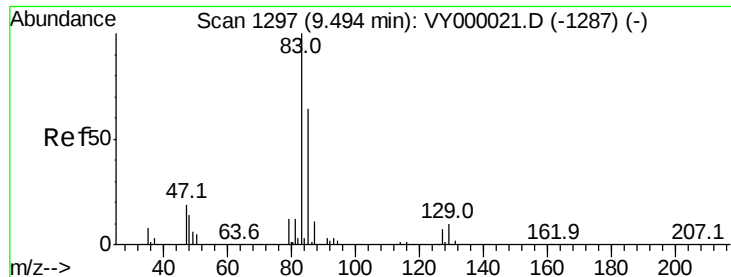
500

0

Time-->

9.25 9.30 9.35





#47

Bromodichloromethane

Concen: 3.230 ug/l

RT: 9.49 min Scan# 1297

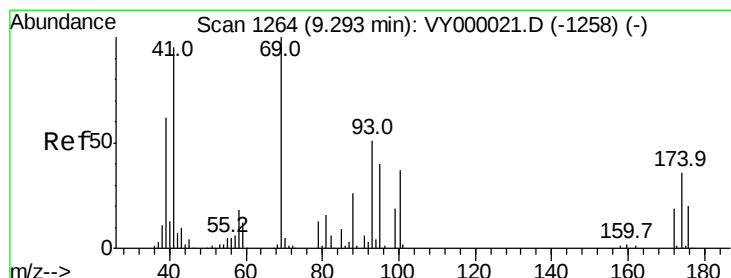
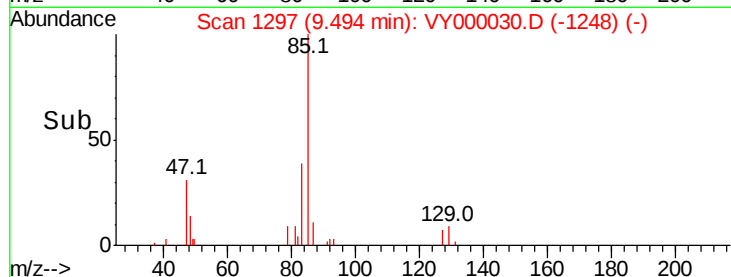
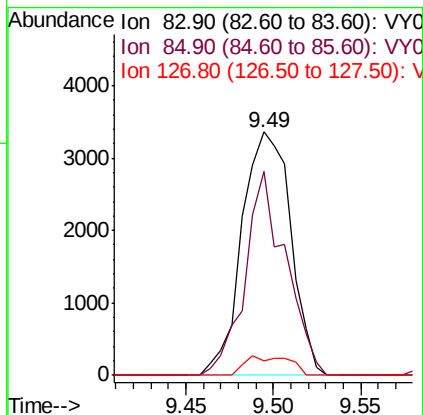
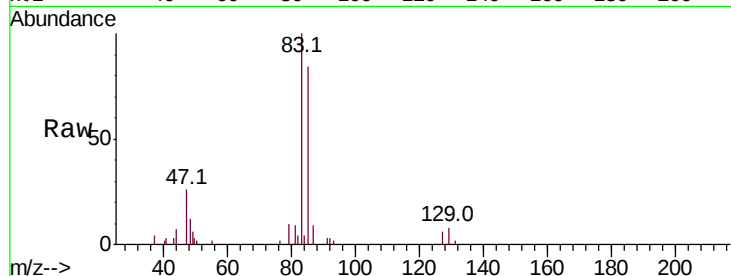
Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	83	Resp:	6519
Ion	Ratio	Lower	Upper
83	100		
85	84.0	51.4	77.2#
127	6.0	5.4	8.2



#48

Methyl methacrylate

Concen: 3.415 ug/l

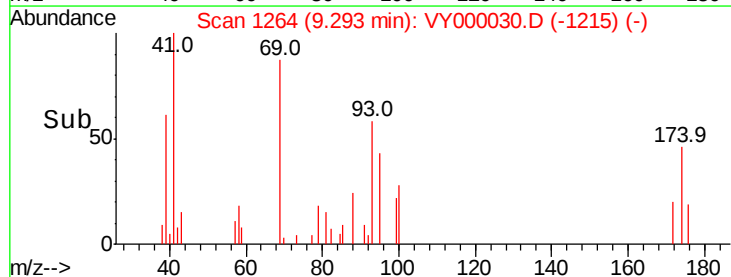
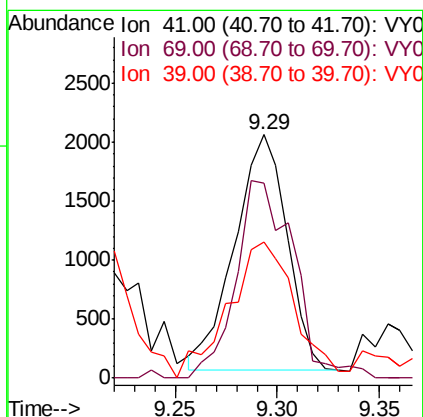
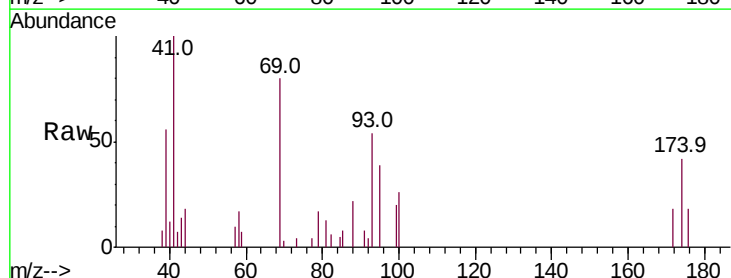
RT: 9.29 min Scan# 1264

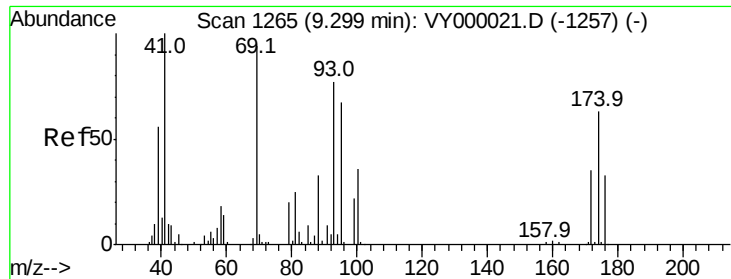
Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion:	41	Resp:	3573
Ion	Ratio	Lower	Upper
41	100		
69	92.1	79.7	119.5
39	72.1	48.6	72.8





#49

1,4-Dioxane

Concen: 69.183 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :

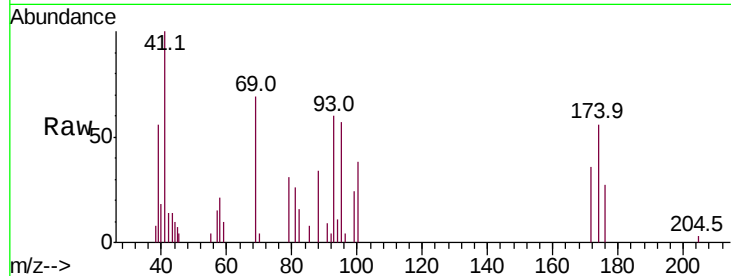
Tot Ion: 88 Resp: 1225

Ion Ratio Lower Upper

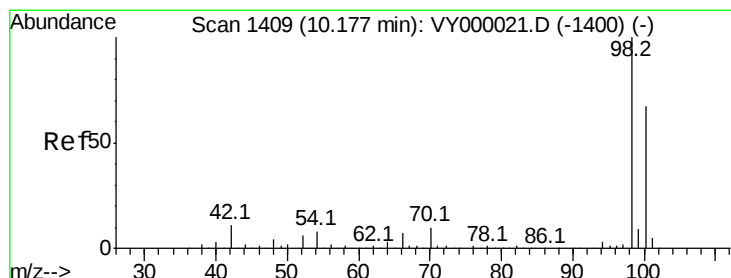
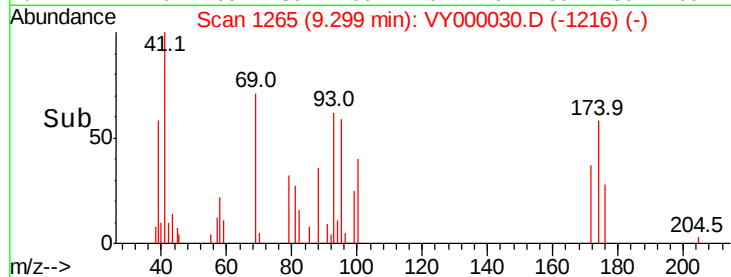
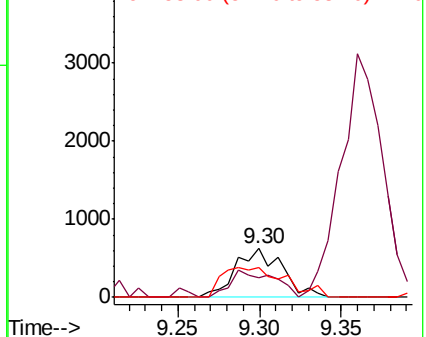
88 100

43 51.8 24.6 37.0#

58 84.1 52.7 79.1#



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



#50

Toluene-d8

Concen: 49.853 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000030.D

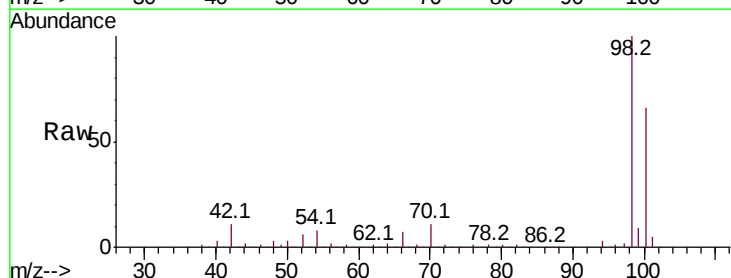
Acq: 12 Sep 2019 17:03

Tgt Ion: 98 Resp: 284613

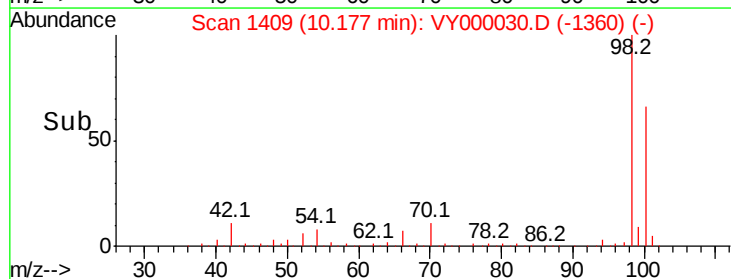
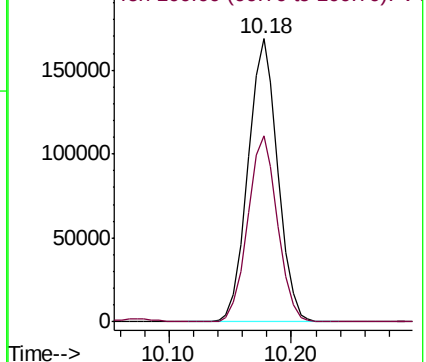
Ion Ratio Lower Upper

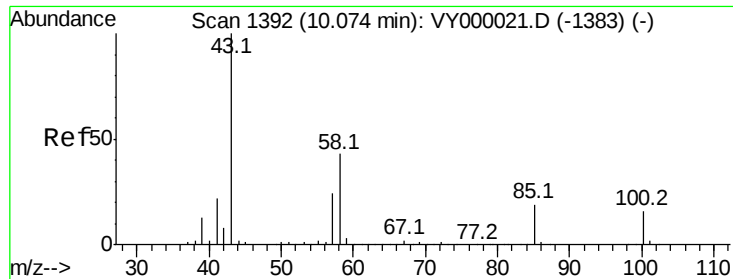
98 100

100 65.9 54.0 81.0



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: 15.107 ug/l

RT: 10.07 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

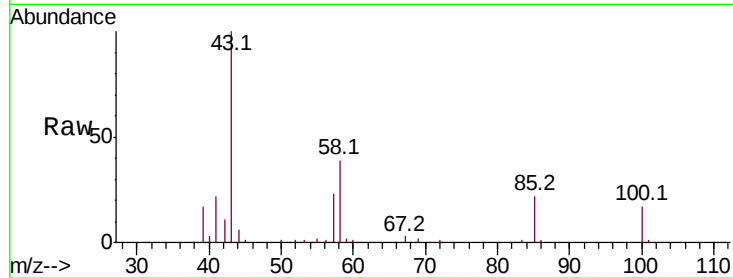
ClientSampled :

Tot Ion: 43 Resp: 20074

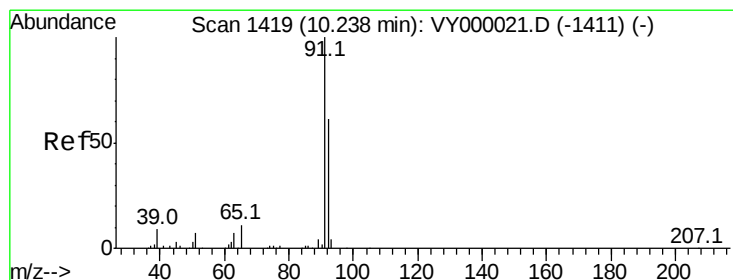
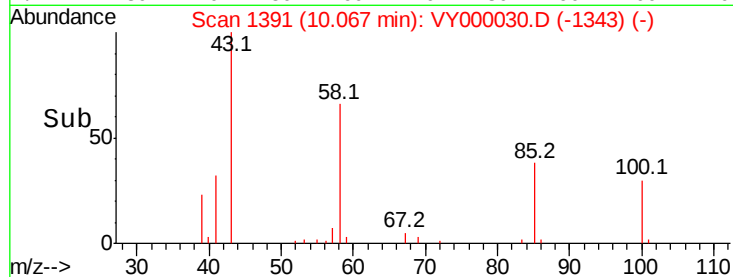
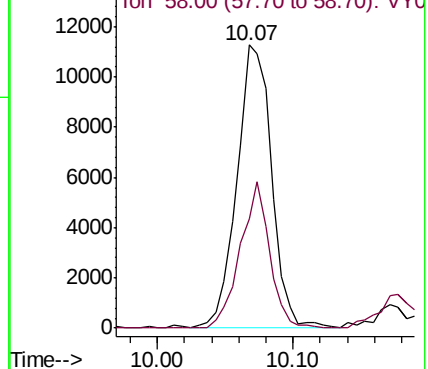
Ion Ratio Lower Upper

43 100

58 43.7 34.1 51.1



Abundance Ion 43.00 (42.70 to 43.70): VY0



#52

Toluene

Concen: 3.389 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VY000030.D

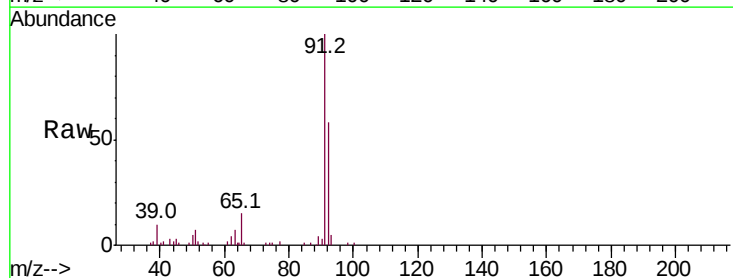
Acq: 12 Sep 2019 17:03

Tgt Ion: 92 Resp: 12581

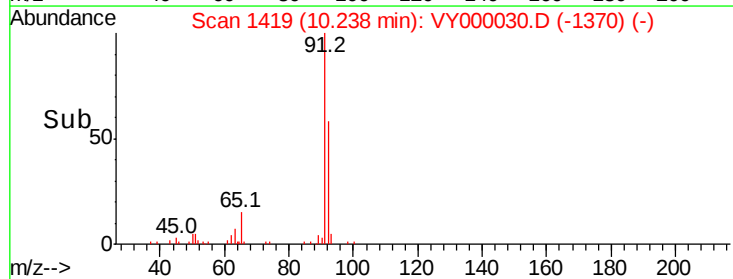
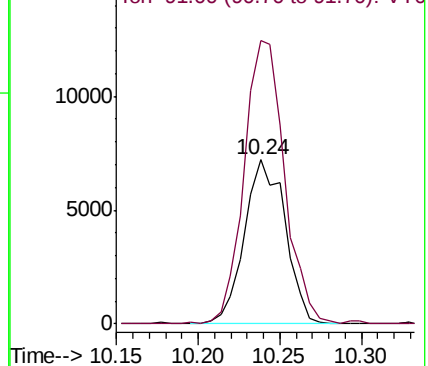
Ion Ratio Lower Upper

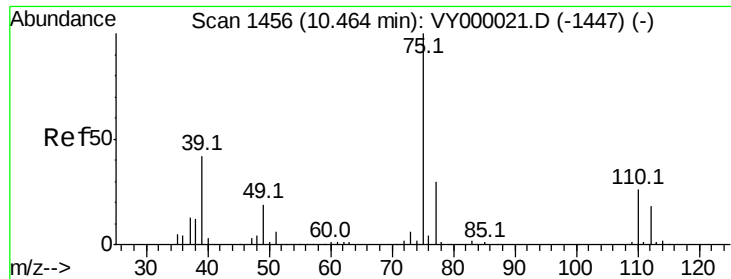
92 100

91 171.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0





#53

t-1,3-Dichloropropene

Concen: 3.221 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

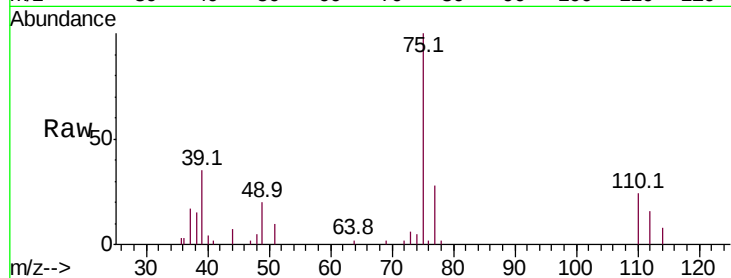
ClientSampleId :

Tot Ion: 75 Resp: 6835

Ion Ratio Lower Upper

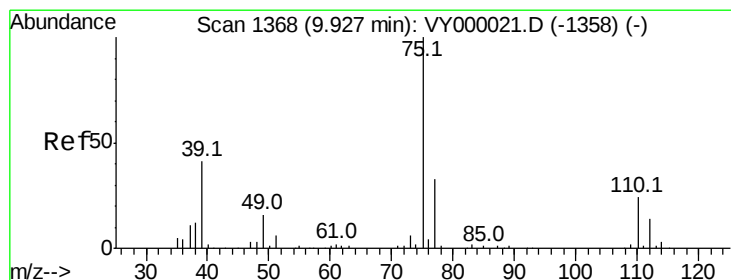
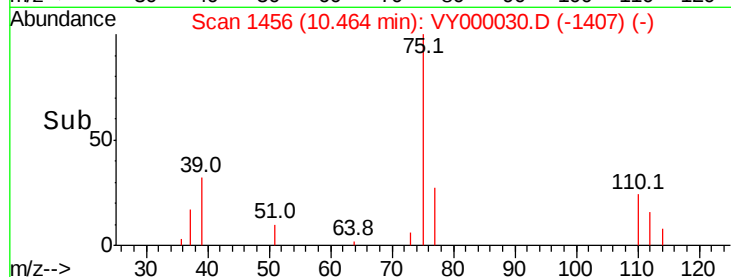
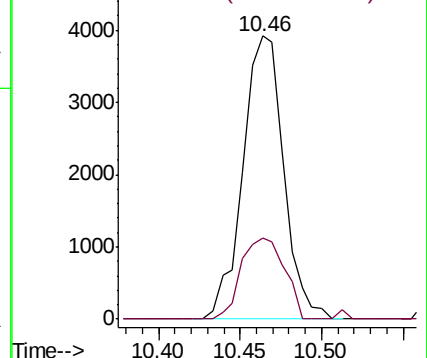
75 100

77 28.5 23.8 35.8



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: 3.144 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

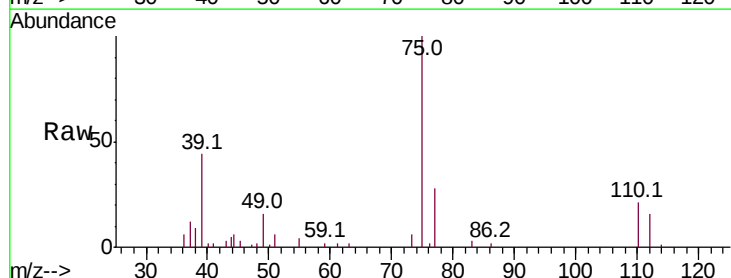
Tgt Ion: 75 Resp: 7764

Ion Ratio Lower Upper

75 100

77 27.7 26.3 39.5

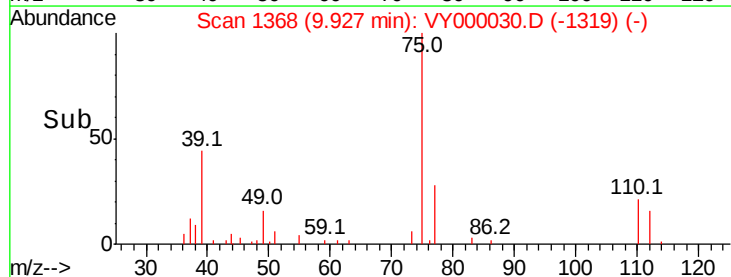
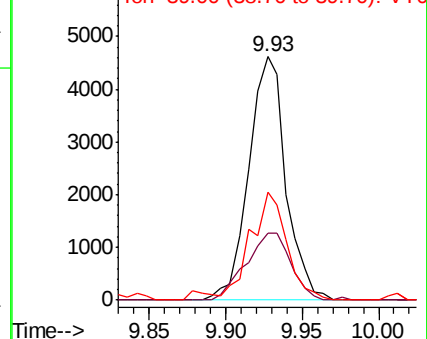
39 44.5 32.9 49.3

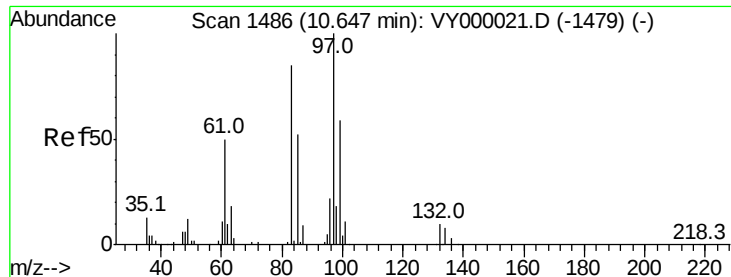


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 3.029 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 4058

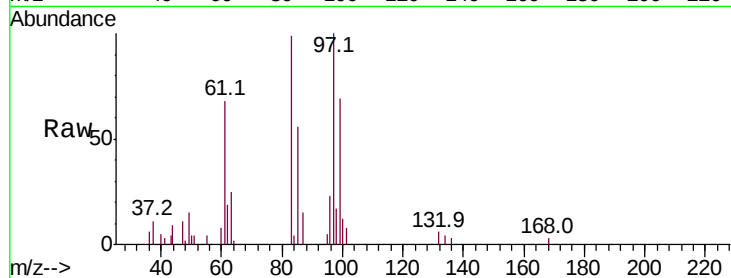
Ion Ratio Lower Upper

97 100

83 99.4 68.2 102.2

85 56.4 41.7 62.5

99 69.2 47.3 70.9

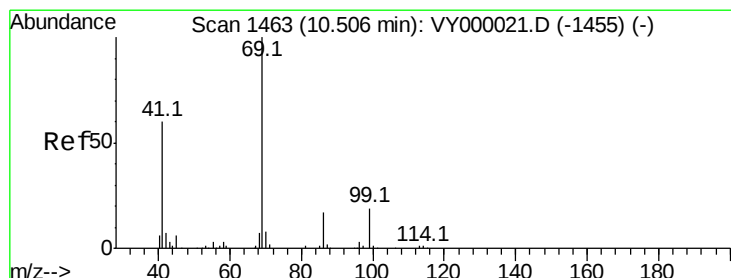
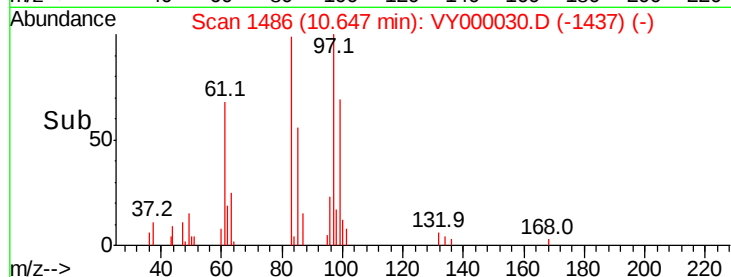
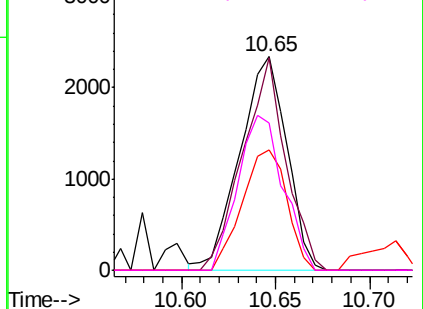


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 3.203 ug/l

RT: 10.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

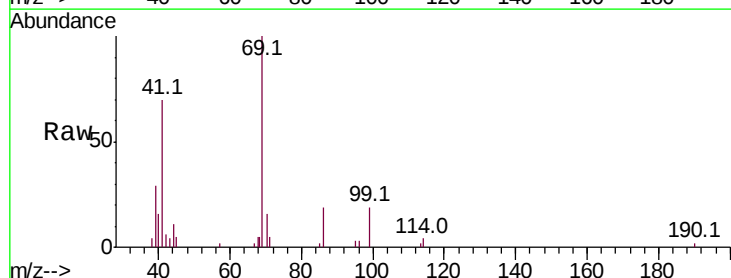
Tgt Ion: 69 Resp: 6022

Ion Ratio Lower Upper

69 100

41 64.9 47.0 70.4

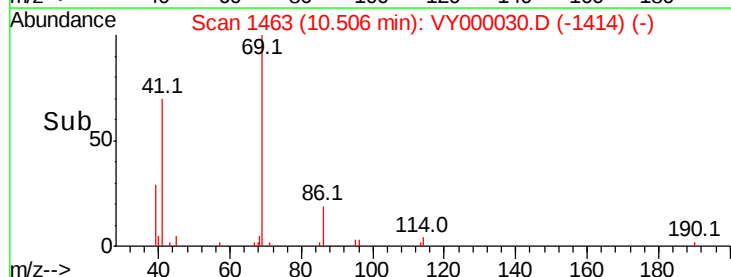
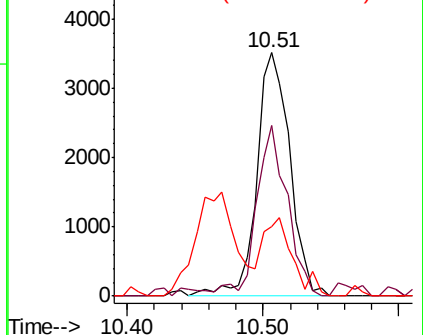
39 28.8 26.4 39.6

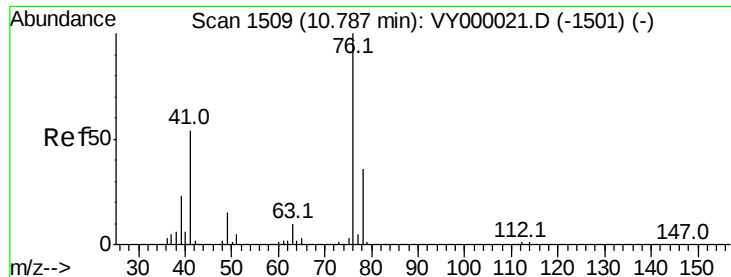


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 3.416 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

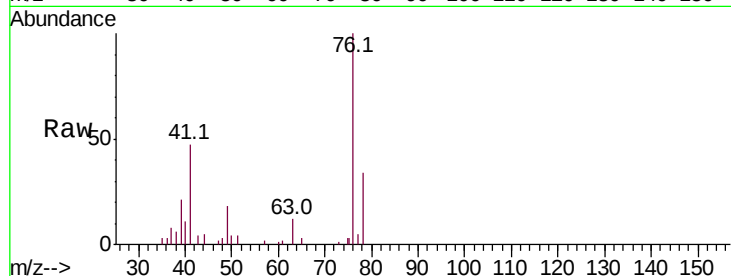
ClientSampleId :

Tot Ion: 76 Resp: 7320

Ion Ratio Lower Upper

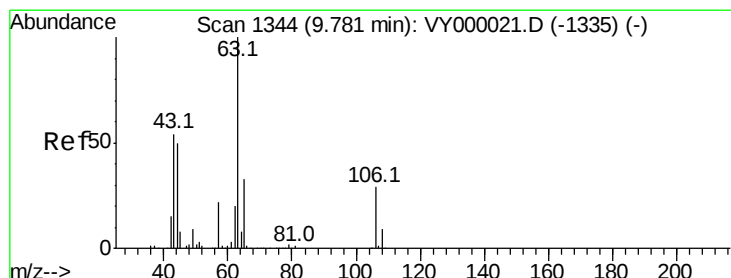
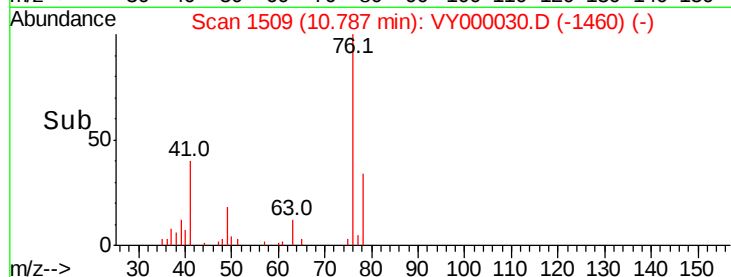
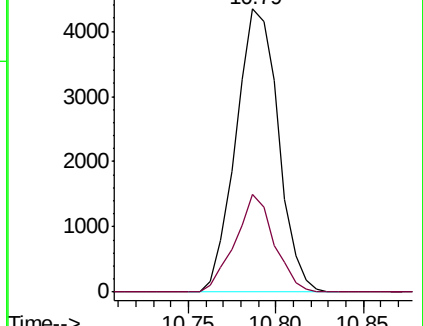
76 100

78 31.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 18.098 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000030.D

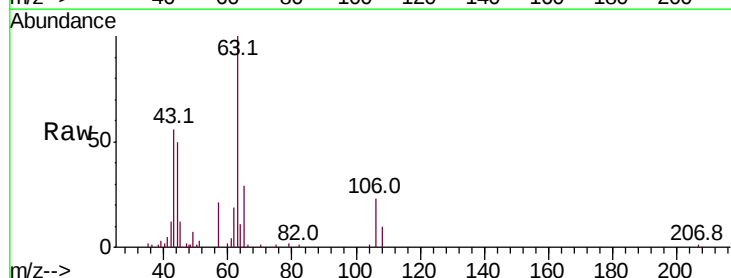
Acq: 12 Sep 2019 17:03

Tgt Ion: 63 Resp: 18641

Ion Ratio Lower Upper

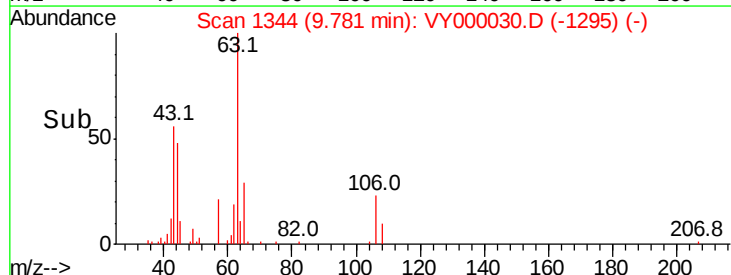
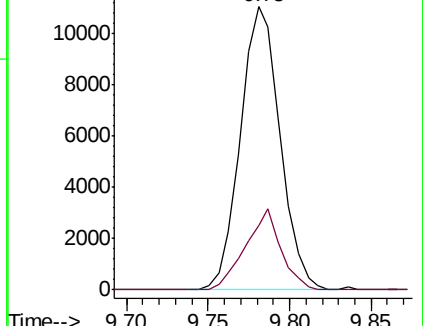
63 100

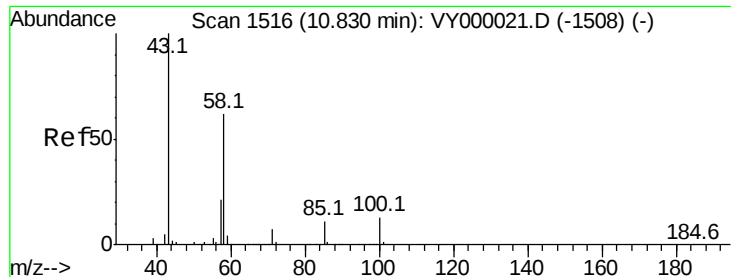
106 25.6 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 14.843 ug/l

RT: 10.83 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

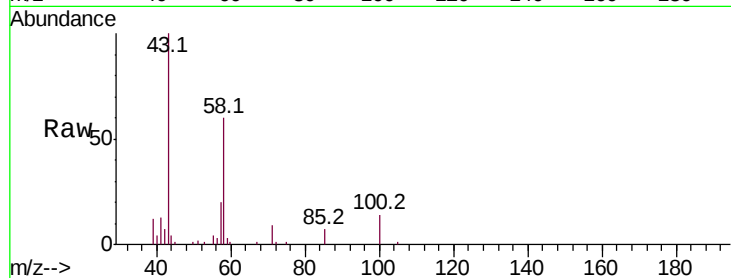
ClientSampleId :

Tot Ion: 43 Resp: 14213

Ion Ratio Lower Upper

43 100

58 60.4 30.3 90.8



Abundance Ion 43.00 (42.70 to 43.70): VY000021.D (-1508) (-)

Ion 58.00 (57.70 to 58.70): VY000021.D (-1508) (-)

10.83

8000

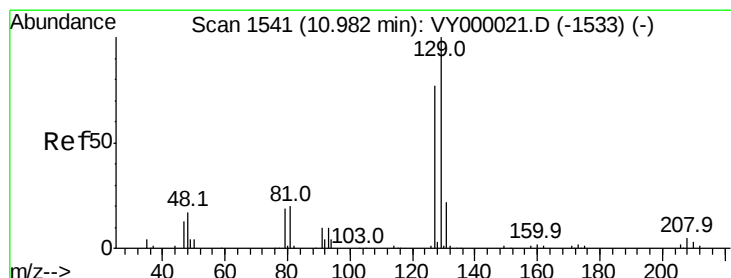
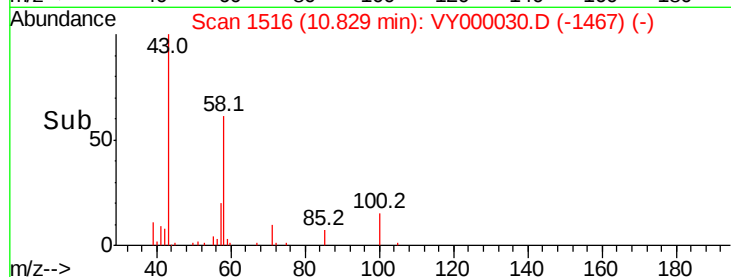
6000

4000

2000

0

Time--> 10.75 10.80 10.85 10.90



#60

Dibromochloromethane

Concen: 2.779 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VY000030.D

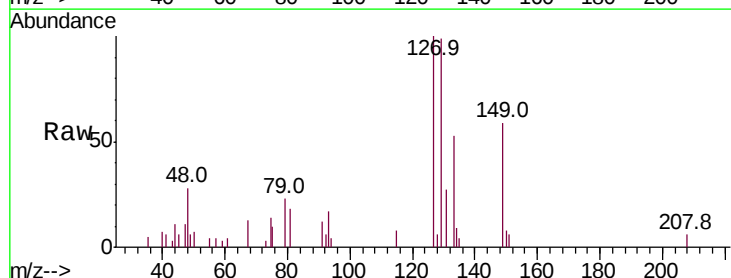
Acq: 12 Sep 2019 17:03

Tgt Ion: 129 Resp: 3923

Ion Ratio Lower Upper

129 100

127 82.8 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): VY000021.D (-1533) (-)

Ion 126.80 (126.50 to 127.50): VY000021.D (-1533) (-)

10.98

2500

2000

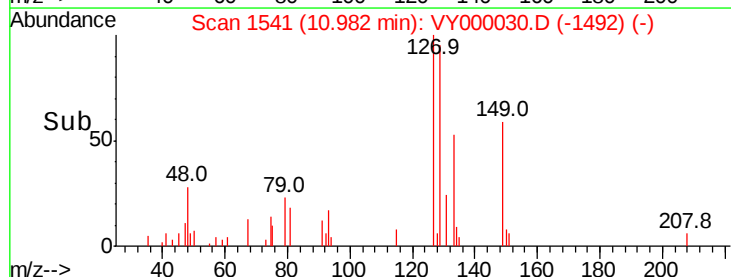
1500

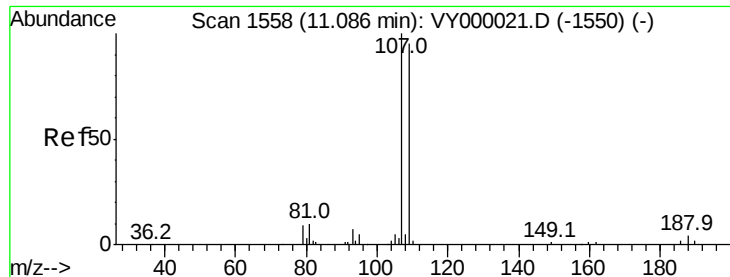
1000

500

0

Time--> 10.90 10.95 11.00 11.05





#61

1,2-Dibromoethane

Concen: 3.187 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

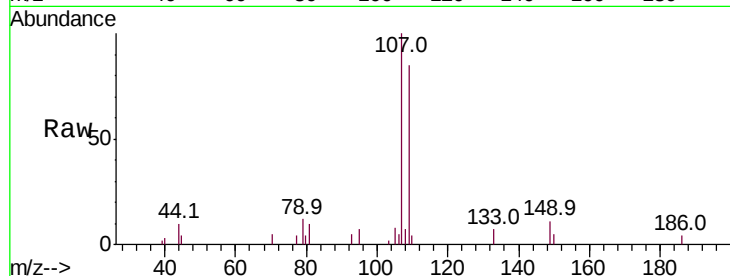
ClientSampled :

Tot Ion: 107 Resp: 3771

Ion Ratio Lower Upper

107 100

109 88.0 76.7 115.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.09

2500

2000

1500

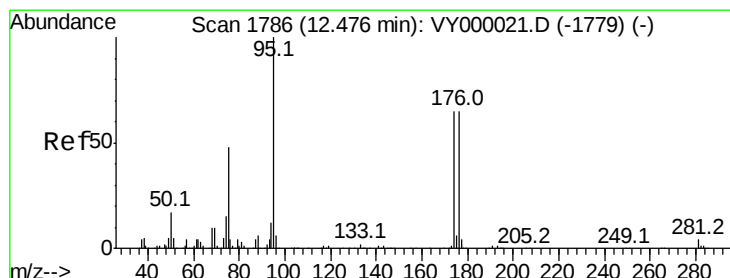
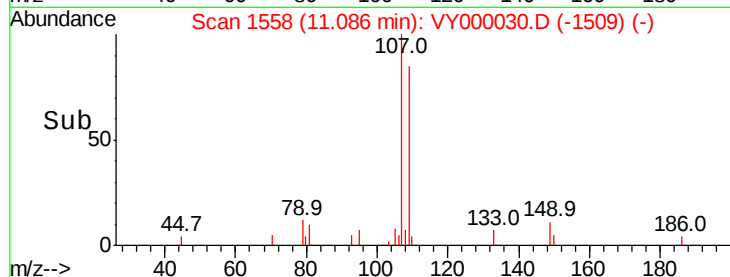
1000

500

0

Time-->

11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 46.382 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

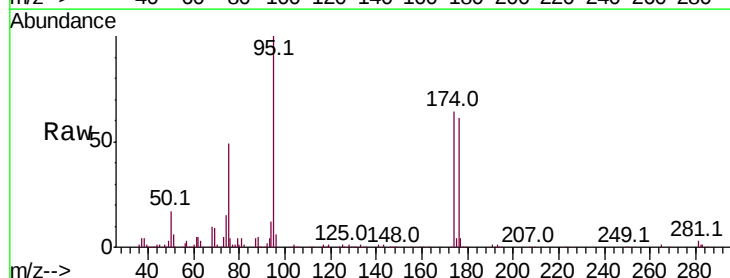
Tgt Ion: 95 Resp: 96245

Ion Ratio Lower Upper

95 100

174 67.2 0.0 137.6

176 65.2 0.0 134.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

80000

60000

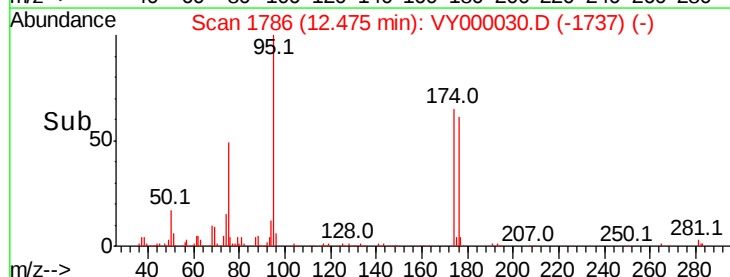
40000

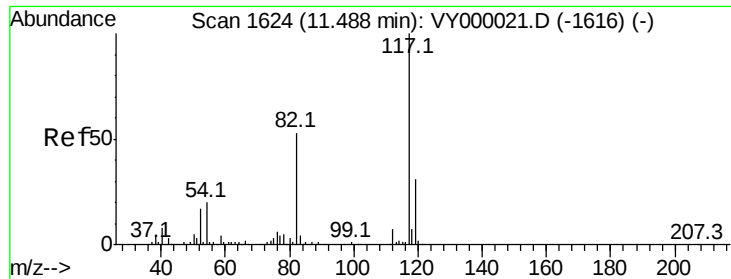
20000

0

Time-->

12.40 12.45 12.50 12.55

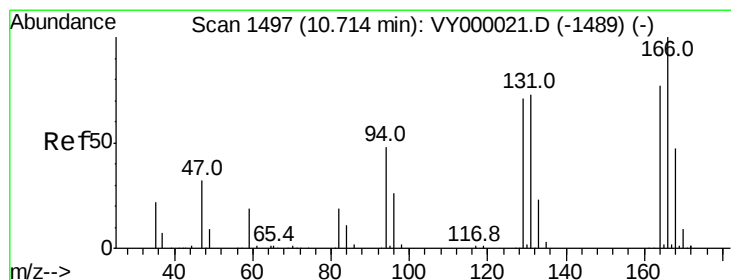
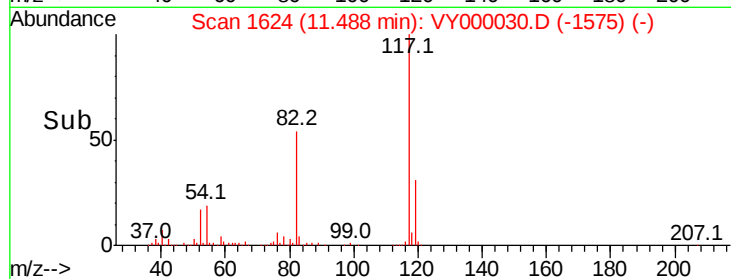
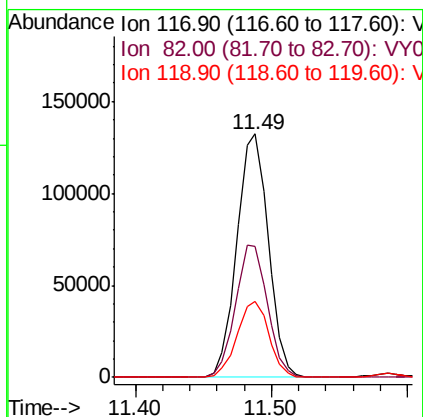
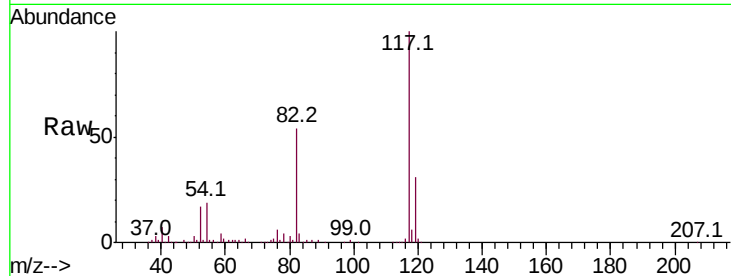




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

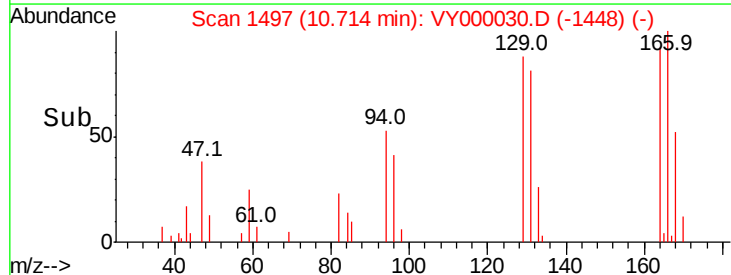
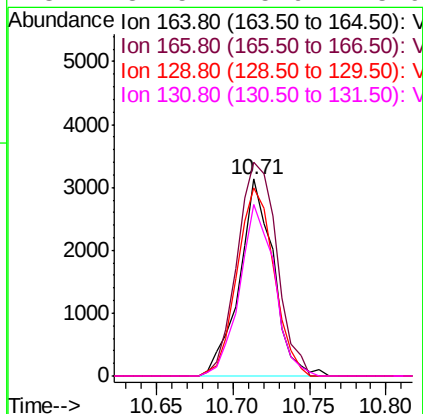
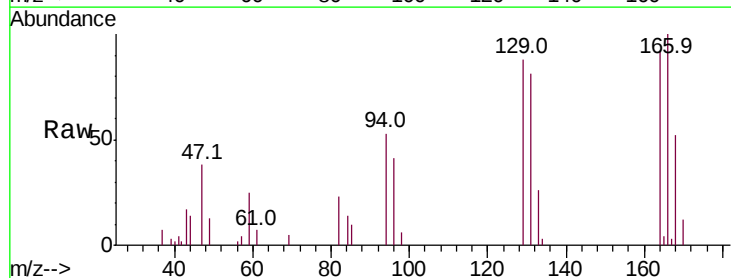
Instrument :
MSVOA_Y
ClientSampleId :

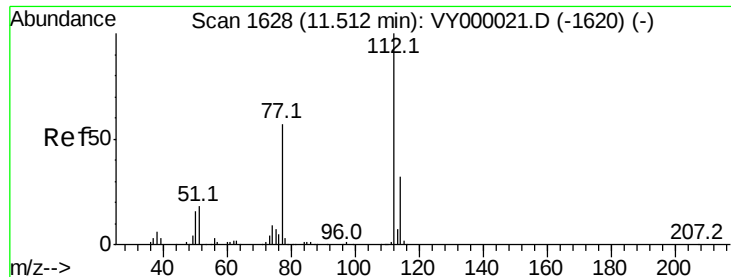
Tot Ion:117 Resp: 213943
Ion Ratio Lower Upper
117 100
82 54.1 42.5 63.7
119 31.2 25.1 37.7



#64
Tetrachloroethene
Concen: 3.700 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion:164 Resp: 4854
Ion Ratio Lower Upper
164 100
166 108.6 103.4 155.0
129 95.9 73.4 110.0
131 87.5 75.9 113.9

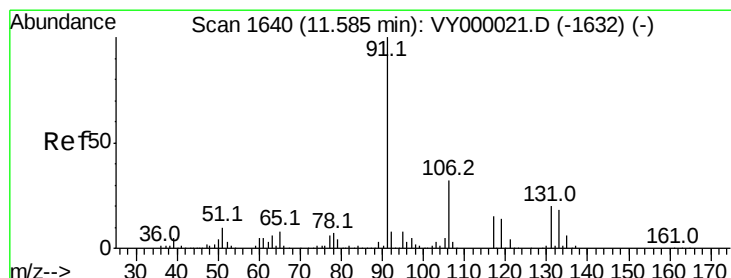
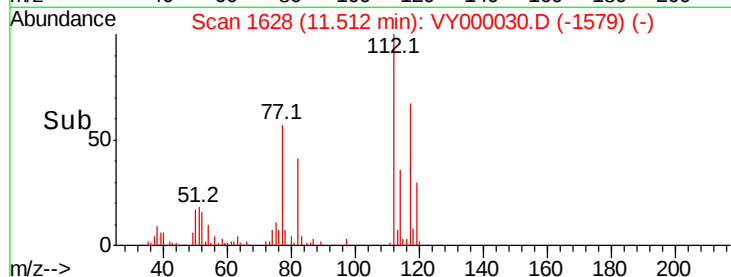
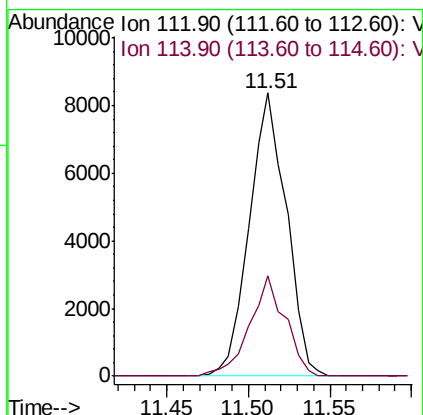
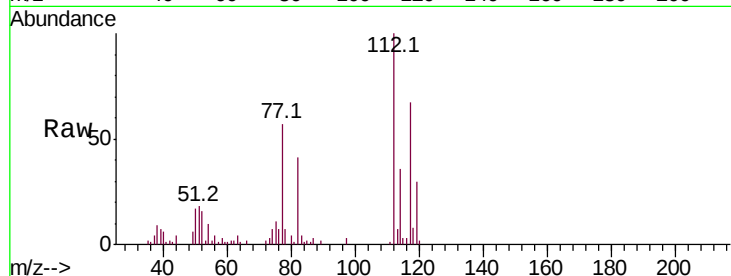




#65
Chlorobenzene
Concen: 3.246 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

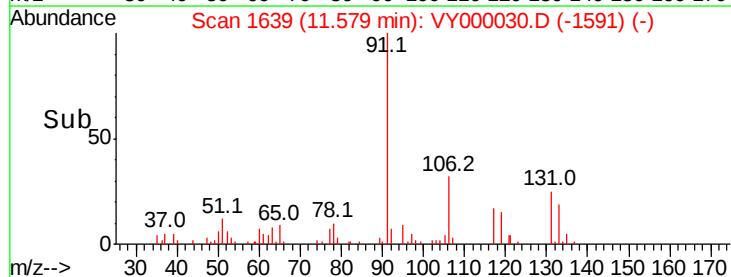
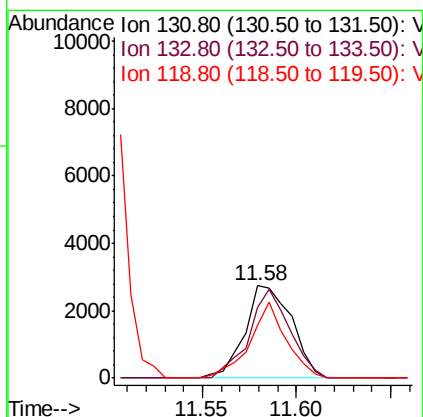
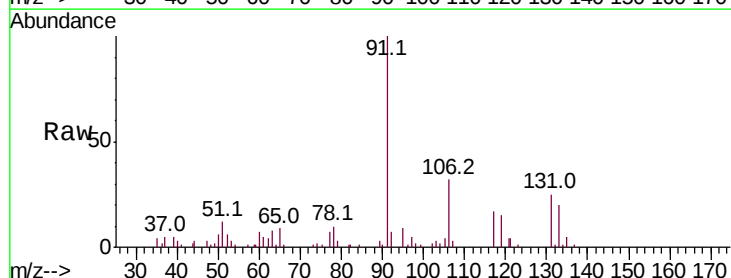
Instrument :
MSVOA_Y
ClientSampleId :

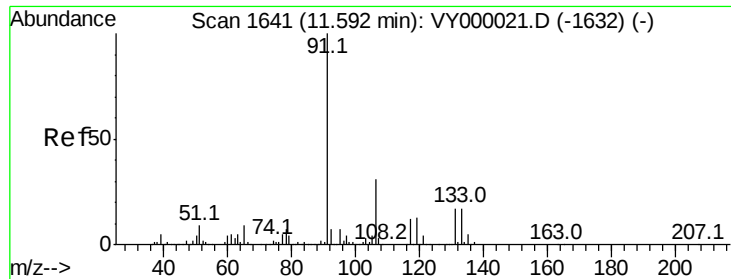
Tot Ion:112 Resp: 13232
Ion Ratio Lower Upper
112 100
114 35.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 3.331 ug/l
RT: 11.58 min Scan# 1639
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion:131 Resp: 4705
Ion Ratio Lower Upper
131 100
133 83.7 47.2 141.6
119 64.2 35.4 106.3

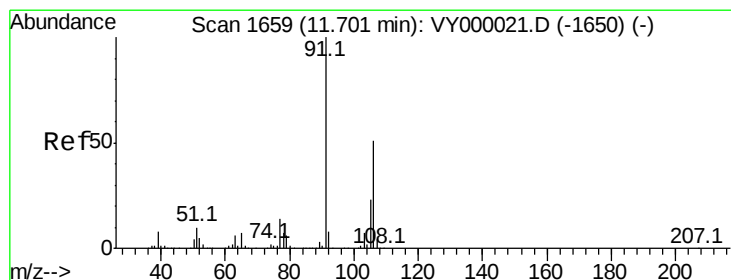
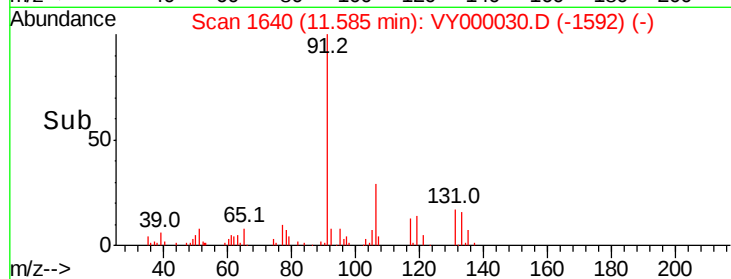
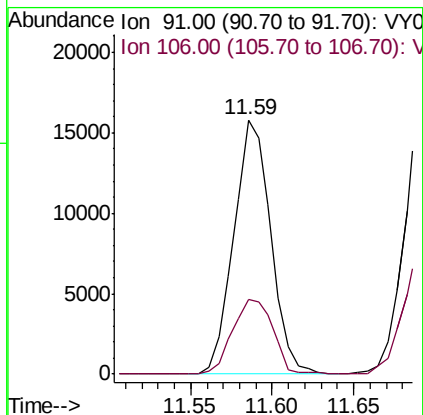
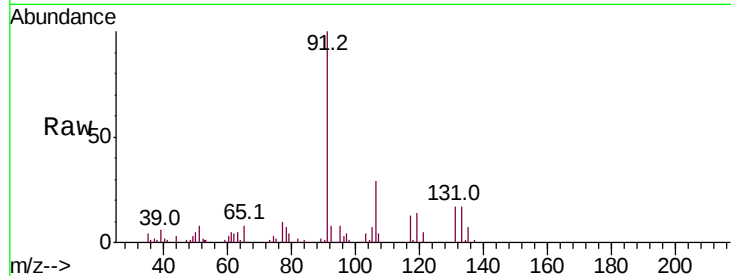




#67
Ethyl Benzene
Concen: 3.358 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

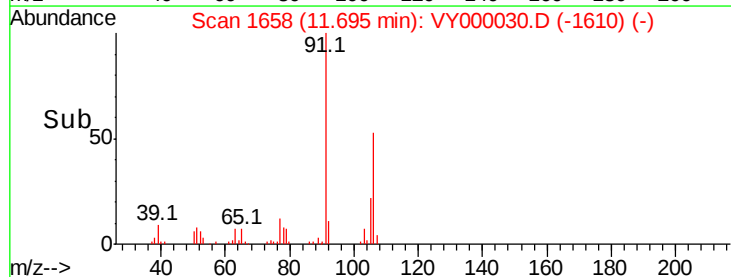
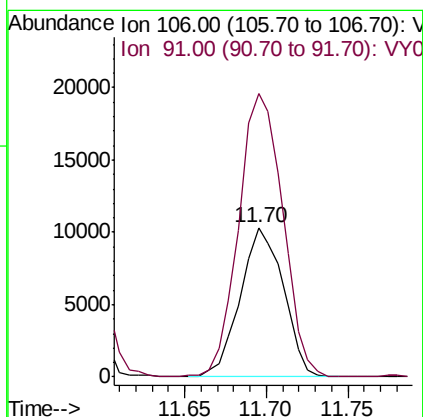
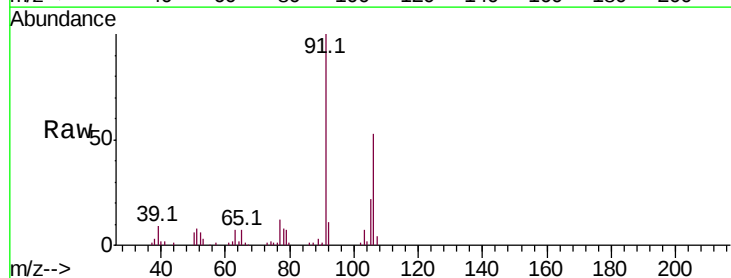
Instrument :
MSVOA_Y
ClientSampled :

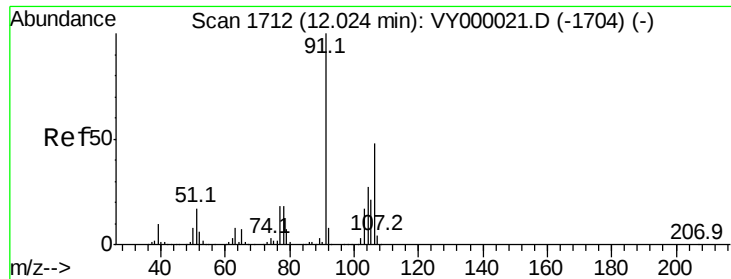
Tot Ion: 91 Resp: 24872
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0



#68
m/p-Xylenes
Concen: 6.812 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 106 Resp: 19037
Ion Ratio Lower Upper
106 100
91 194.3 158.5 237.7

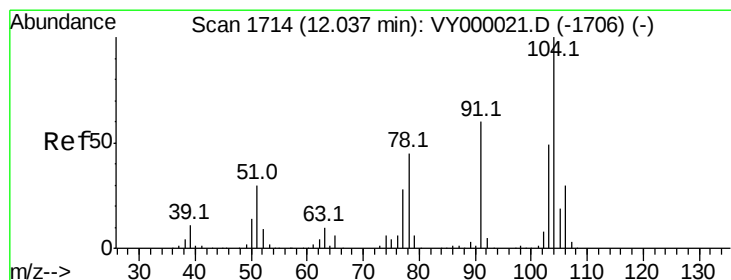
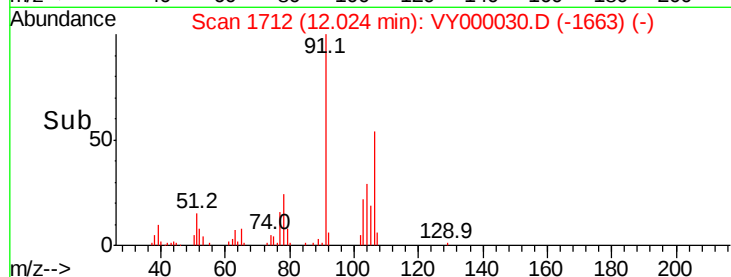
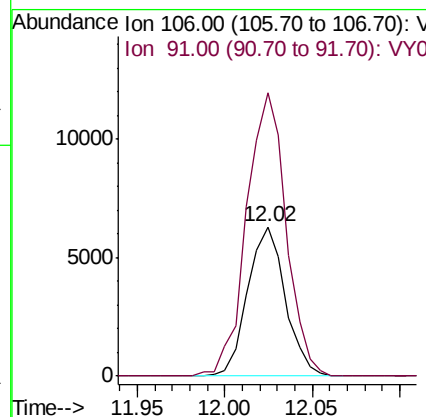
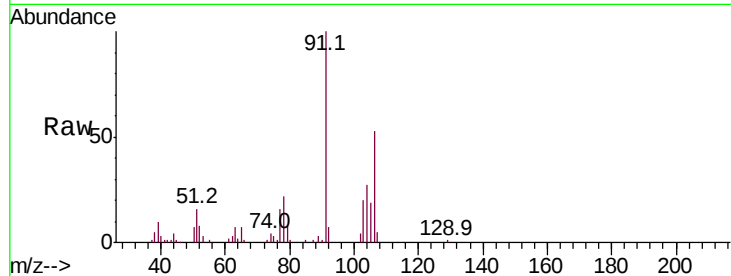




#69
o-Xylene
Concen: 3.442 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

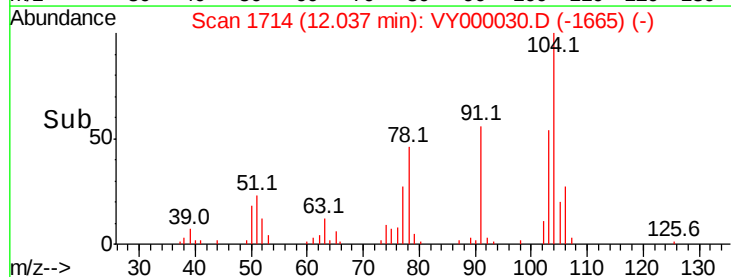
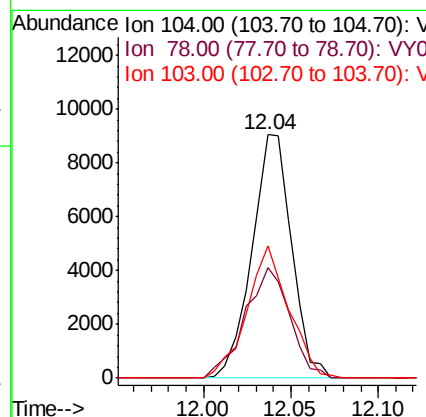
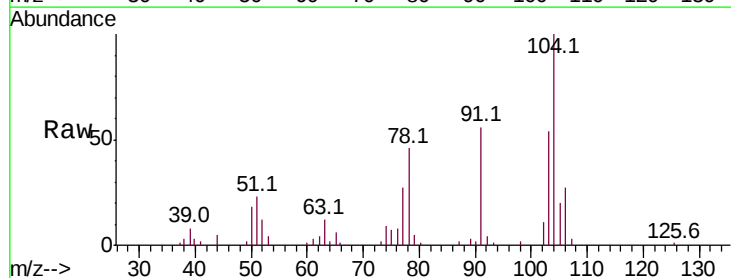
Instrument :
MSVOA_Y
ClientSampled :

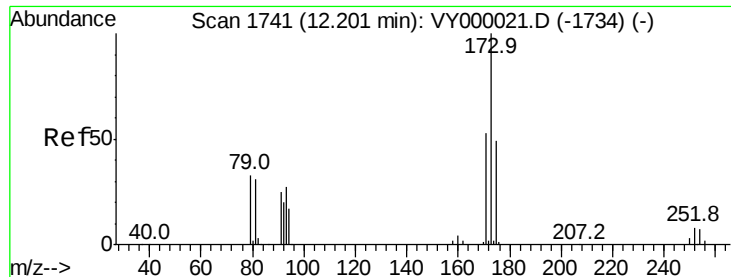
Tot Ion:106 Resp: 9428
Ion Ratio Lower Upper
106 100
91 199.3 104.0 312.0



#70
Styrene
Concen: 2.991 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion:104 Resp: 14252
Ion Ratio Lower Upper
104 100
78 51.3 38.0 57.0
103 57.2 42.4 63.6





#71

Bromoform

Concen: 2.792 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

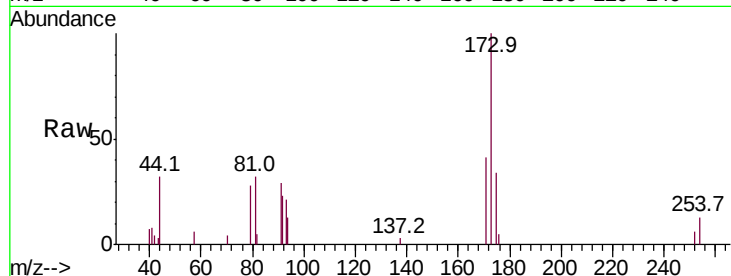
Tot Ion:173 Resp: 2381

Ion Ratio Lower Upper

173 100

175 47.6 25.1 75.4

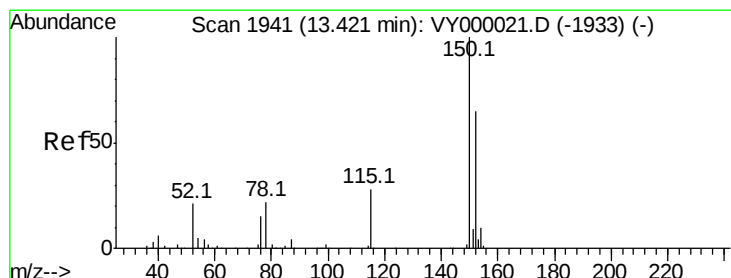
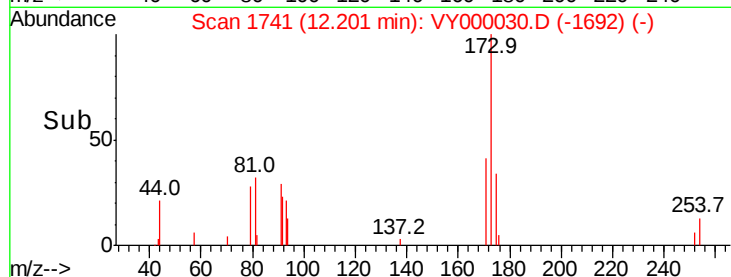
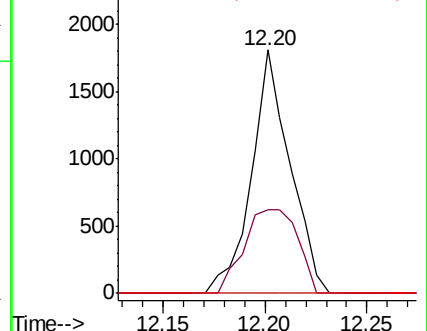
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

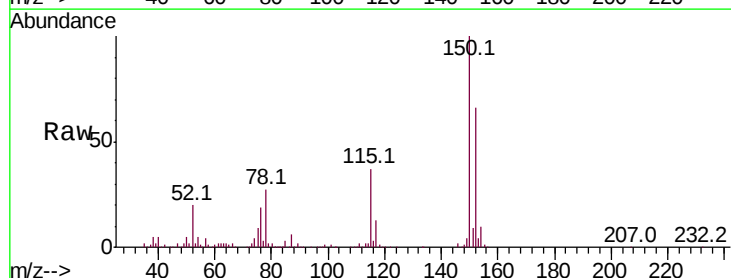
Tgt Ion:152 Resp: 91280

Ion Ratio Lower Upper

152 100

115 63.0 29.4 88.2

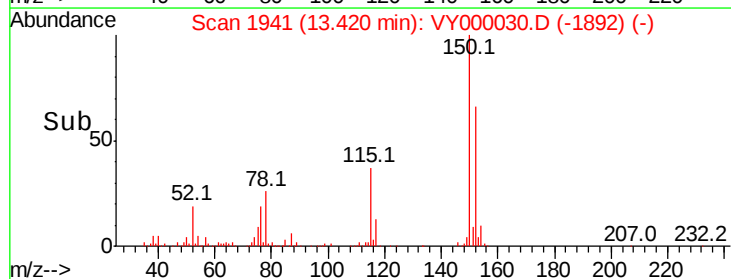
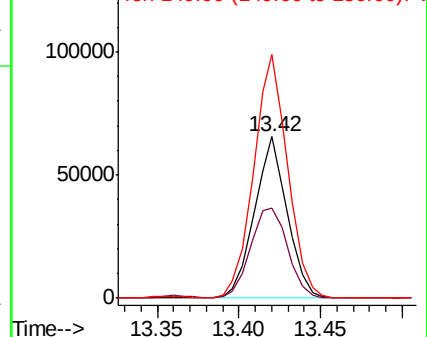
150 156.6 0.0 349.0

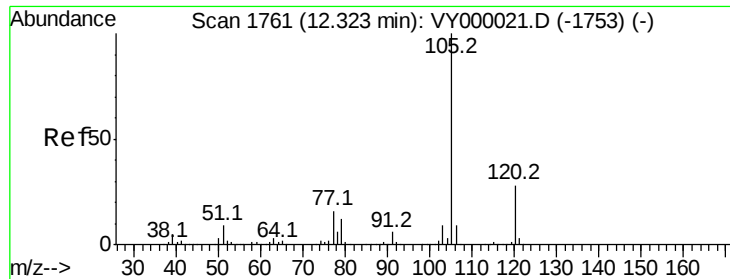


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.347 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

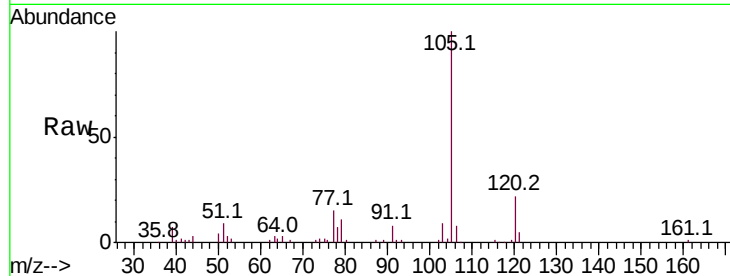
ClientSampleId :

Tot Ion:105 Resp: 23340

Ion Ratio Lower Upper

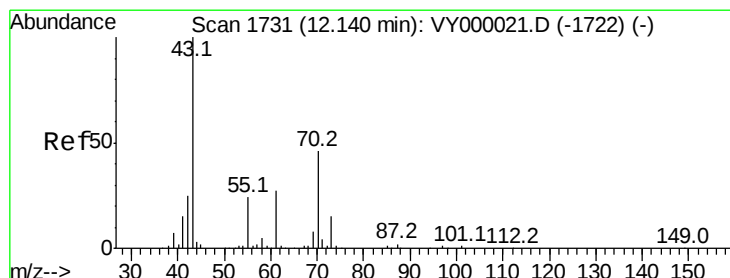
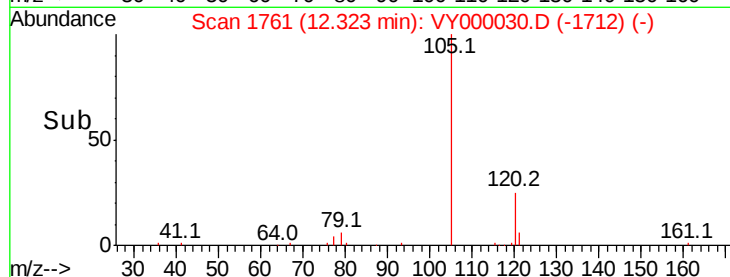
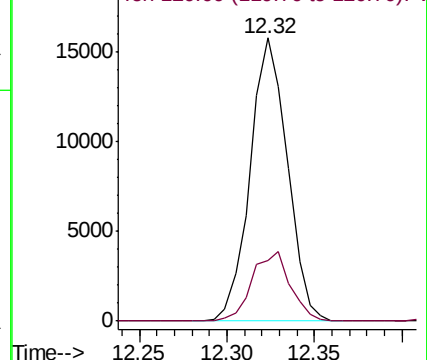
105 100

120 25.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.938 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion: 43 Resp: 6049

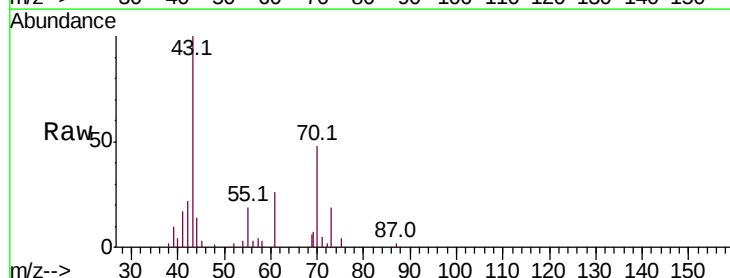
Ion Ratio Lower Upper

43 100

70 51.1 38.1 57.1

55 23.4 18.7 28.1

61 24.5 22.1 33.1

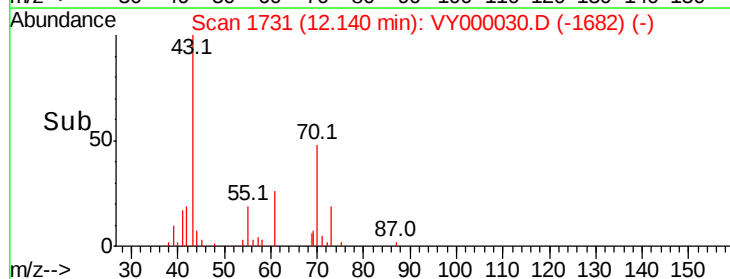
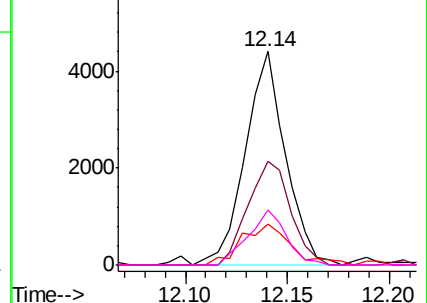


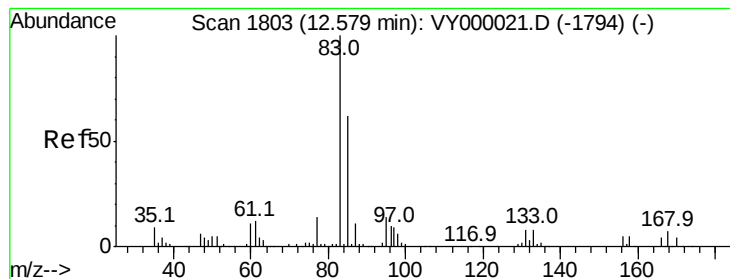
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 3.630 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

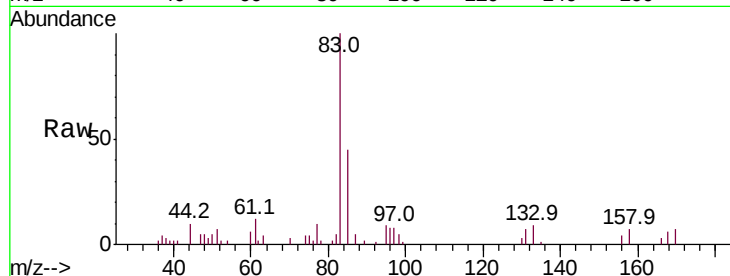
Tot Ion: 83 Resp: 6054

Ion Ratio Lower Upper

83 100

131 7.2 4.6 13.8

85 63.9 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0

6000

5000

4000

3000

2000

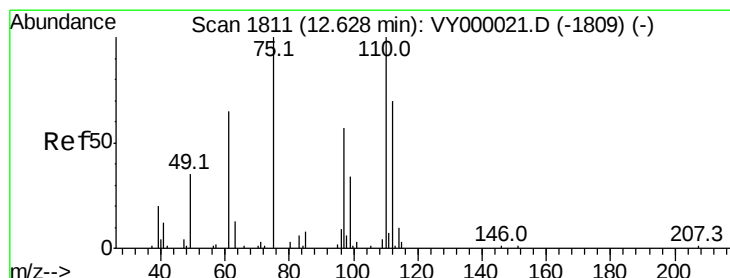
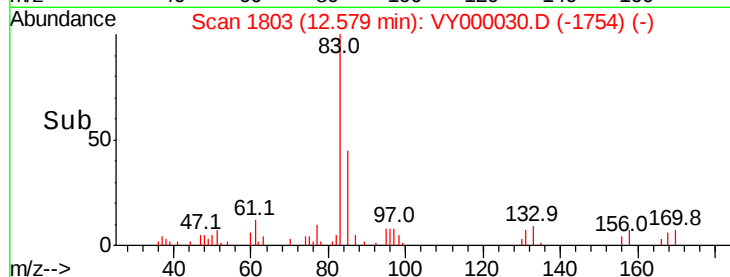
1000

0

12.50 12.55 12.60

12.58

Time-->



#76

1,2,3-Trichloropropane

Concen: 5.666 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VY000030.D

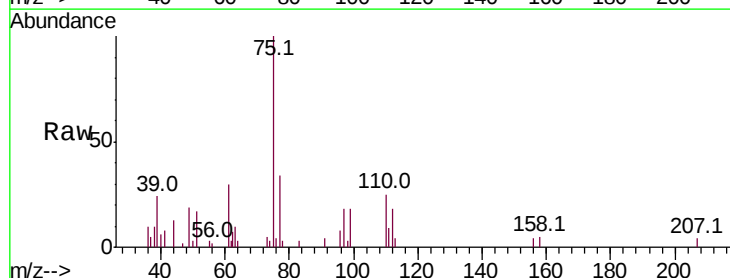
Acq: 12 Sep 2019 17:03

Tgt Ion: 75 Resp: 7184

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

6000

4000

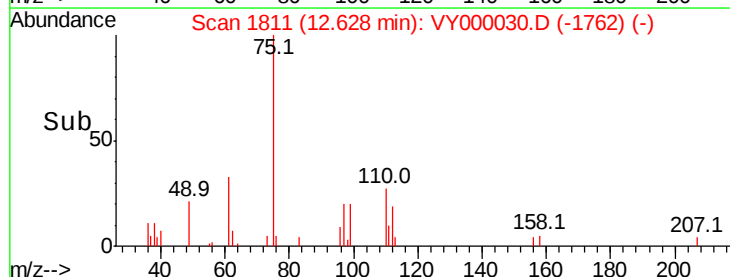
2000

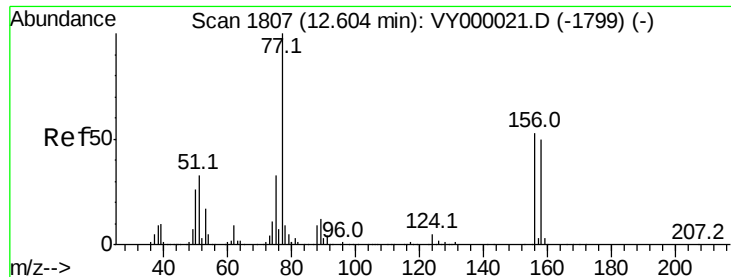
0

12.50 12.60 12.70

12.63

Time-->





#77

Bromobenzene

Concen: 2.946 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

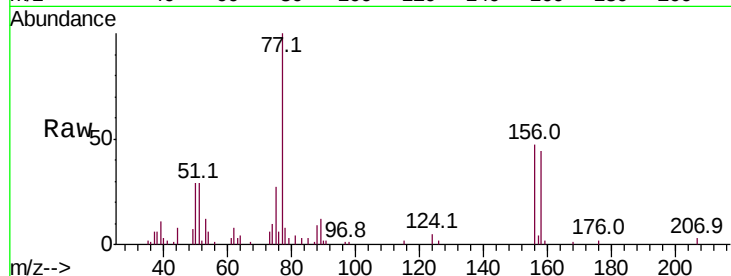
Tot Ion:156 Resp: 4346

Ion Ratio Lower Upper

156 100

77 247.1 106.0 317.9

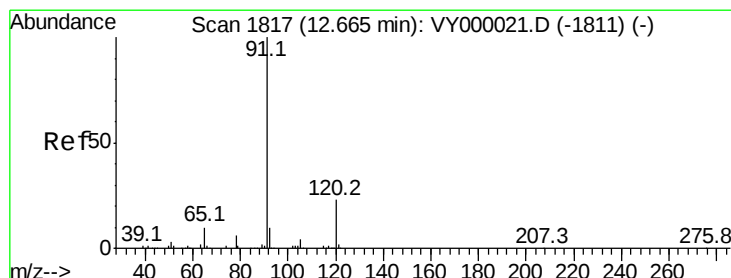
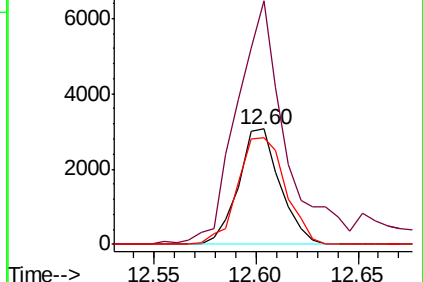
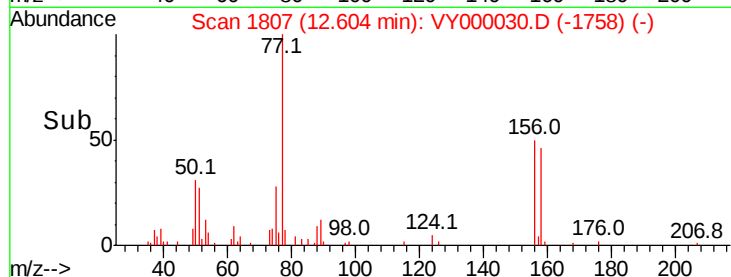
158 105.8 47.3 141.9



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: 3.242 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000030.D

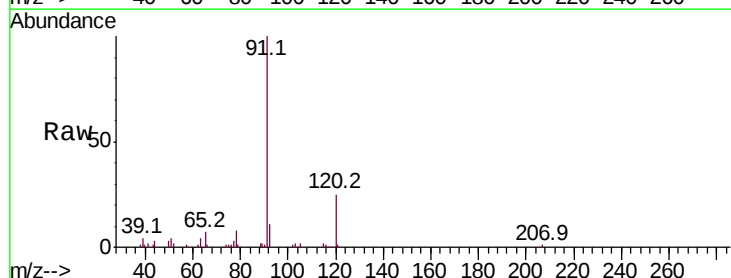
Acq: 12 Sep 2019 17:03

Tgt Ion: 91 Resp: 27633

Ion Ratio Lower Upper

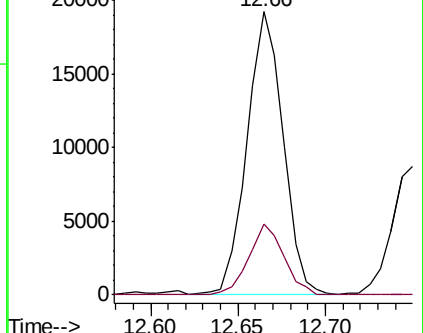
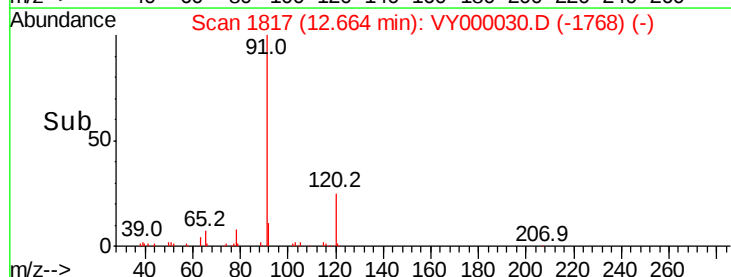
91 100

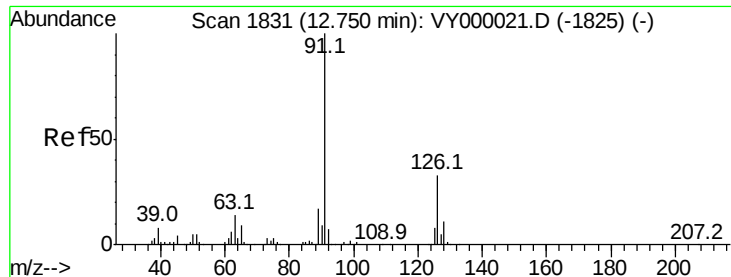
120 24.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

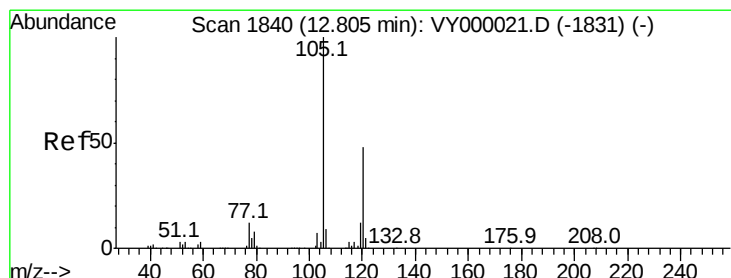
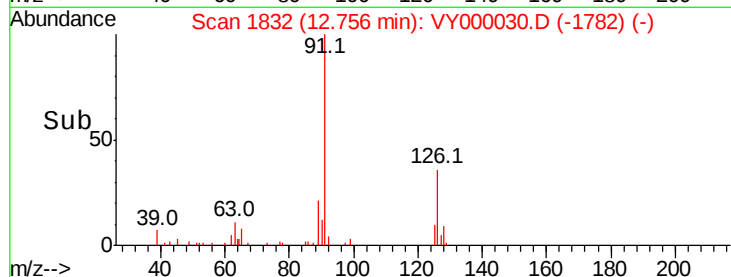
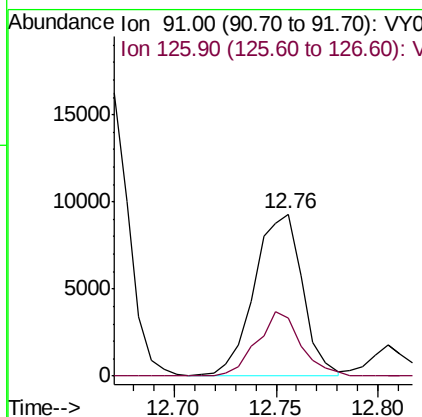
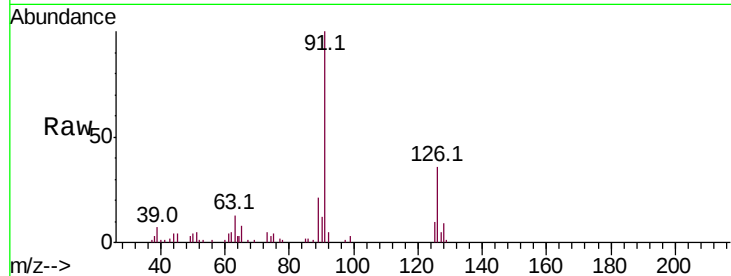




#79
 2-Chlorotoluene
 Concen: 3.206 ug/l
 RT: 12.76 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

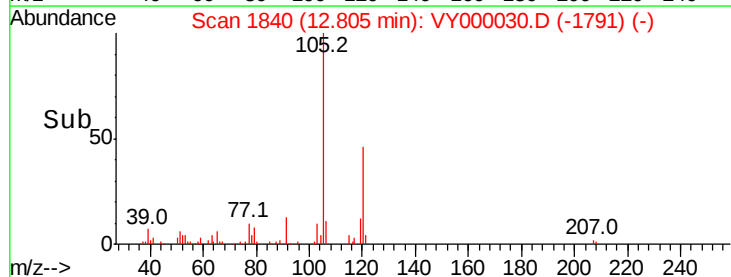
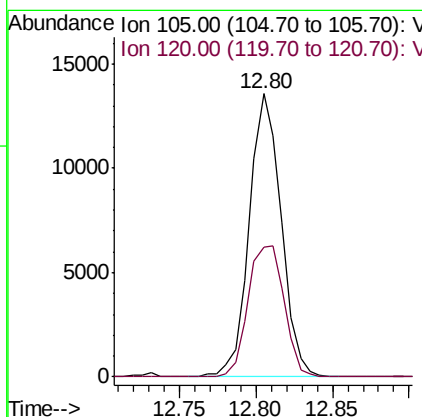
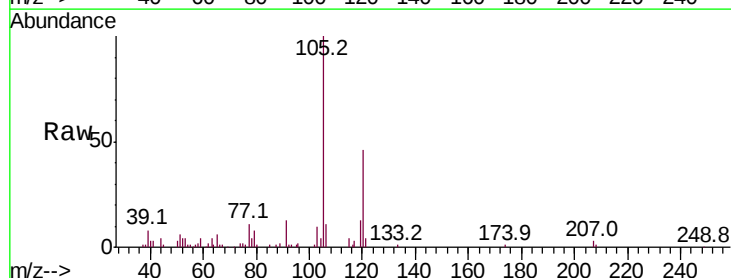
Instrument :
 MSVOA_Y
 ClientSampled :

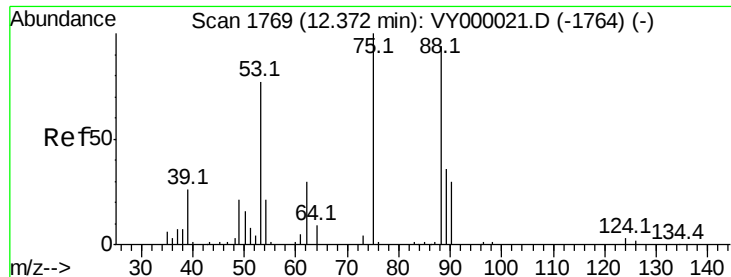
Tot Ion: 91 Resp: 15281
 Ion Ratio Lower Upper
 91 100
 126 36.1 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 3.387 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion:105 Resp: 19726
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 2.944 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

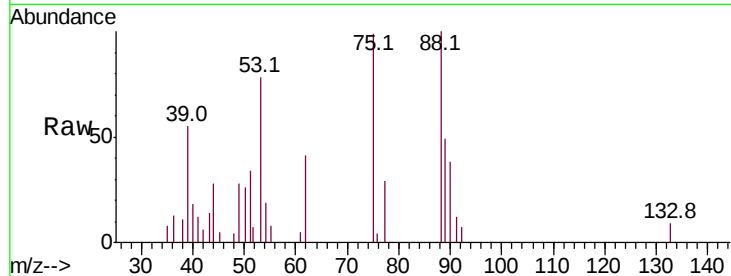
Tot Ion: 75 Resp: 1882

Ion Ratio Lower Upper

75 100

53 88.7 64.2 96.2

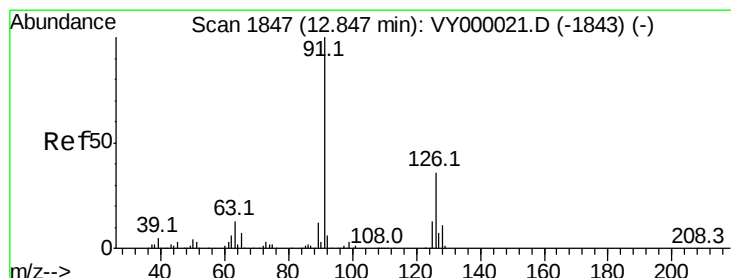
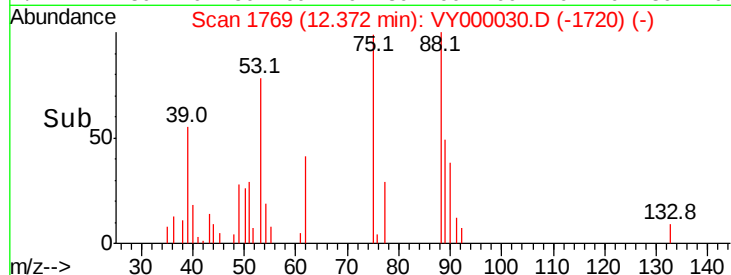
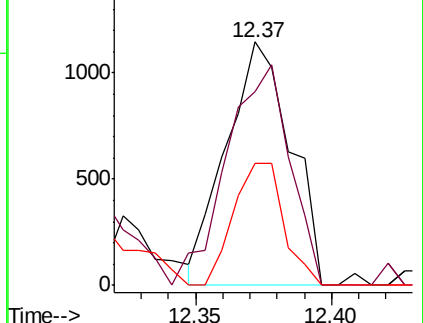
89 39.1 35.5 53.3



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: 3.371 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VY000030.D

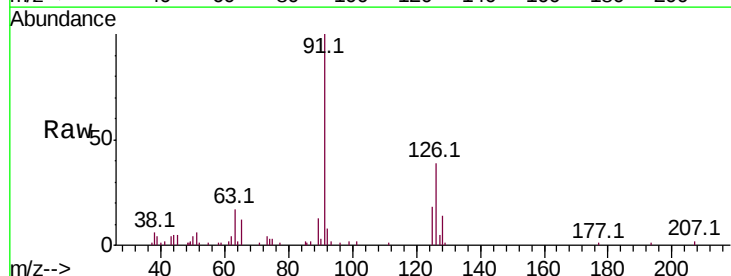
Acq: 12 Sep 2019 17:03

Tgt Ion: 91 Resp: 16862

Ion Ratio Lower Upper

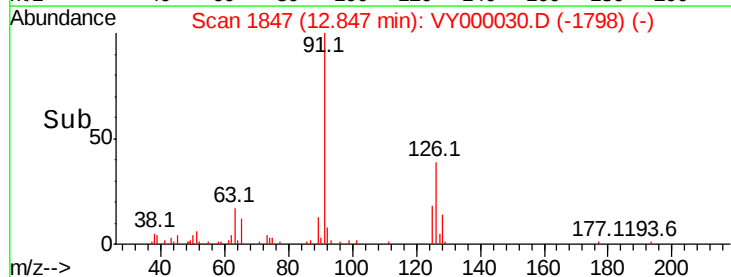
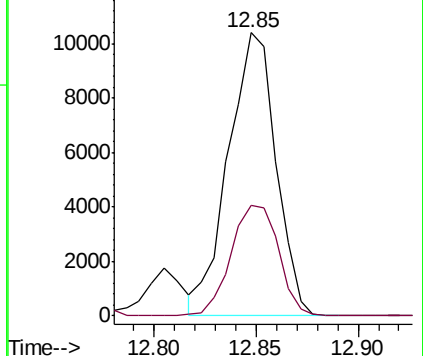
91 100

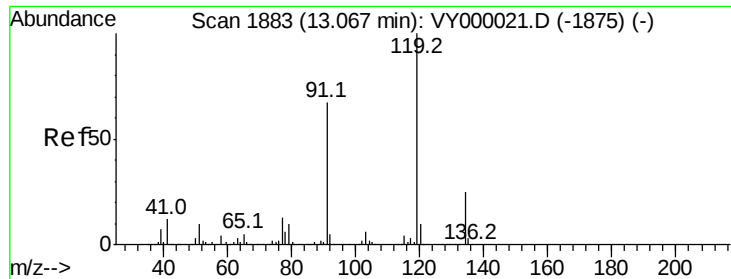
126 39.1 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 3.306 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

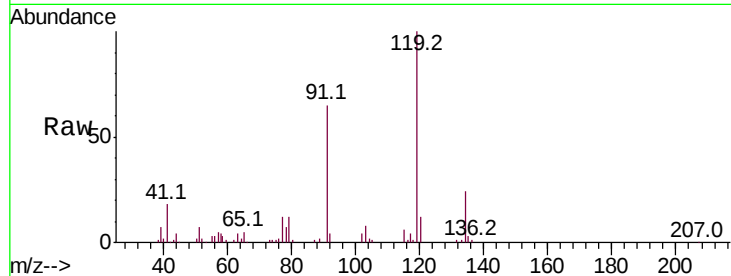
Tot Ion:119 Resp: 16544

Ion Ratio Lower Upper

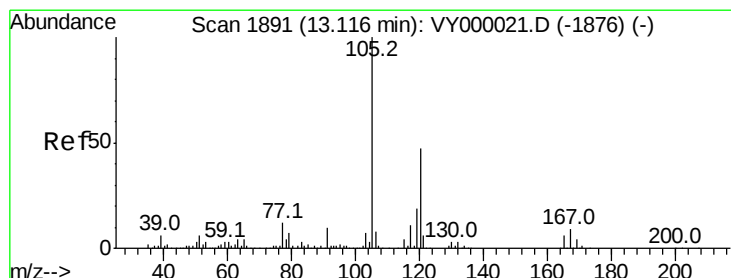
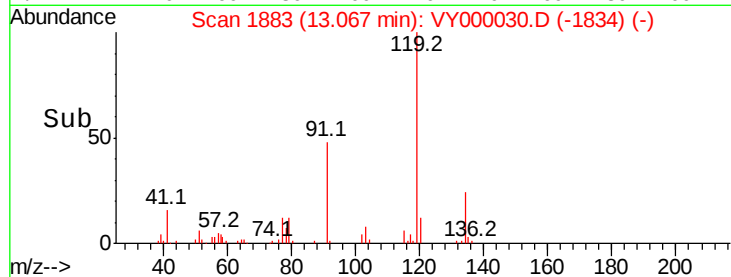
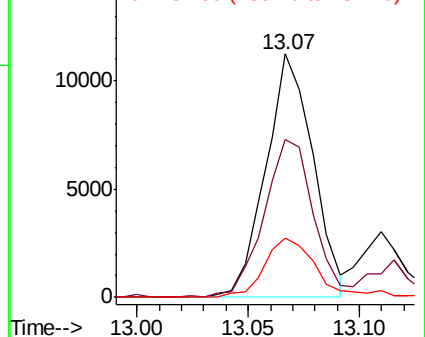
119 100

91 68.7 33.1 99.5

134 27.4 13.5 40.5



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: 3.425 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY000030.D

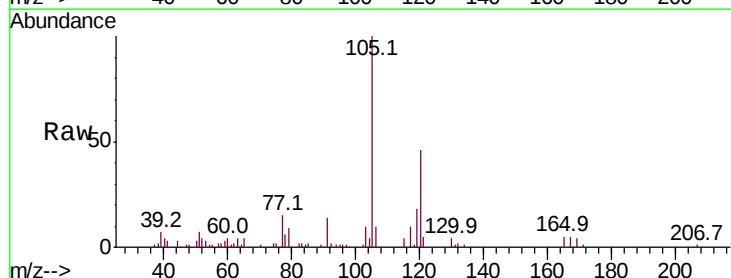
Acq: 12 Sep 2019 17:03

Tgt Ion:105 Resp: 19704

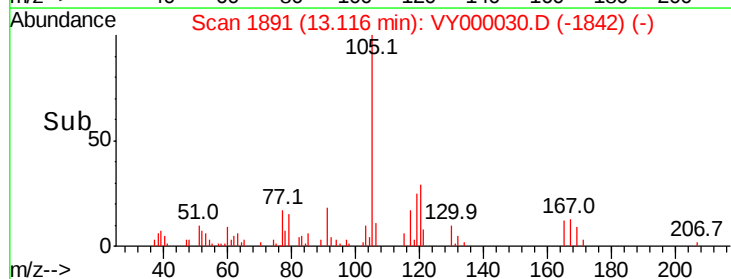
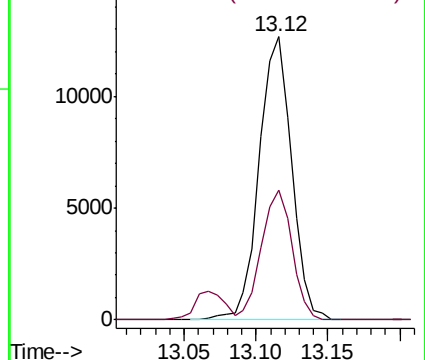
Ion Ratio Lower Upper

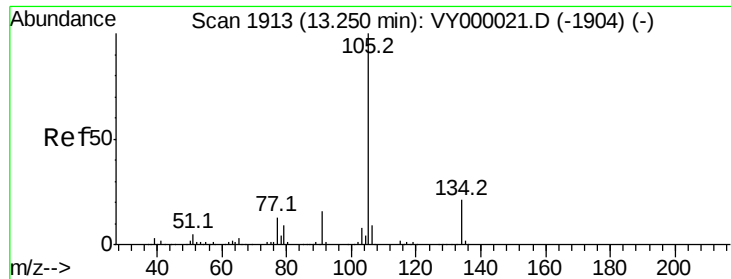
105 100

120 43.5 23.1 69.3



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





#85

sec-Butylbenzene

Concen: 3.425 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

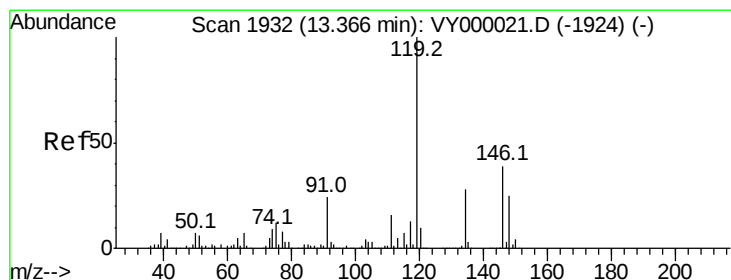
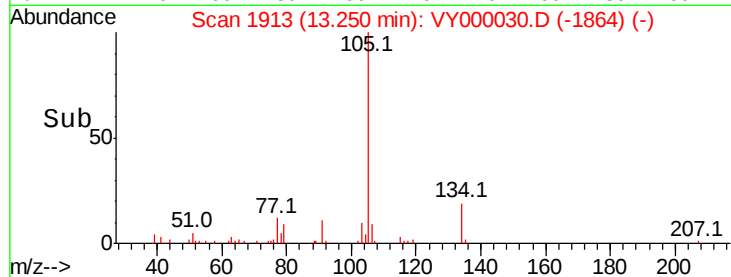
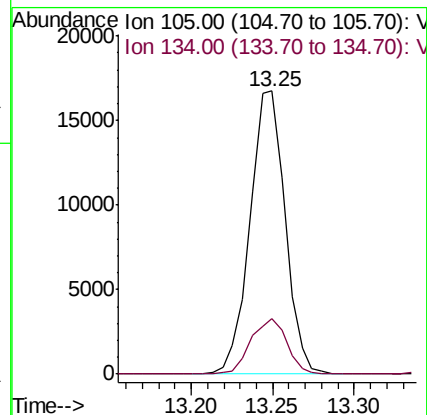
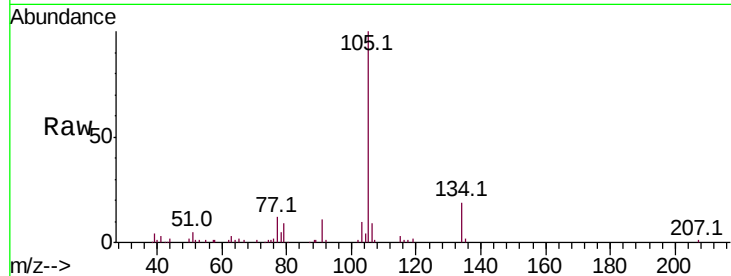
ClientSampleId :

Tot Ion:105 Resp: 25295

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



#86

p-Isopropyltoluene

Concen: 3.342 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

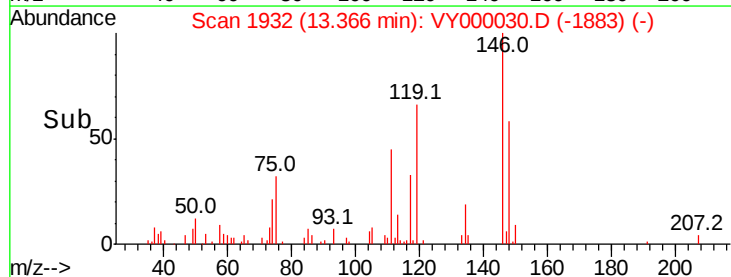
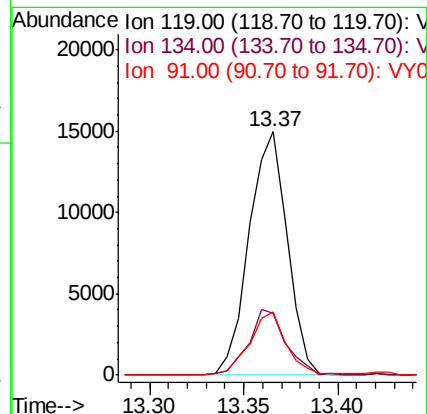
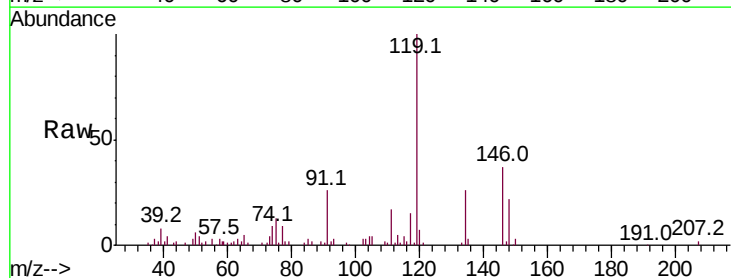
Tgt Ion:119 Resp: 20937

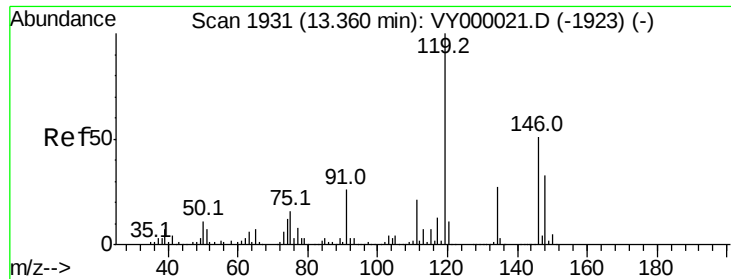
Ion Ratio Lower Upper

119 100

134 26.6 13.8 41.3

91 24.9 12.4 37.2

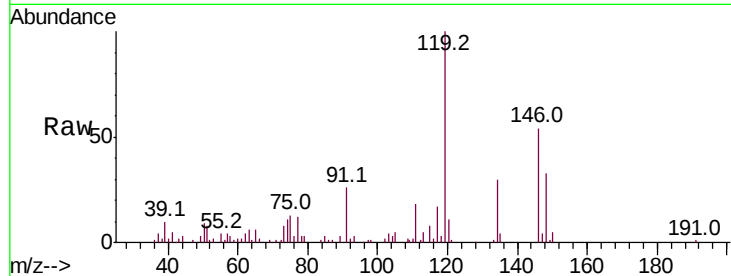




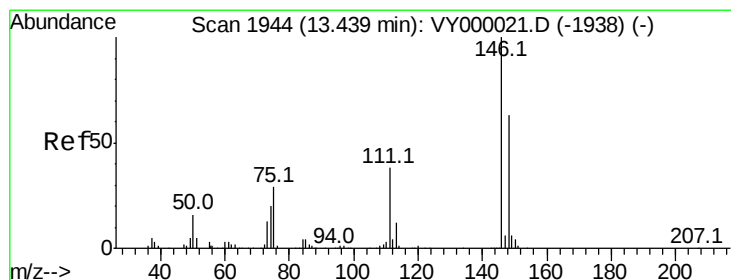
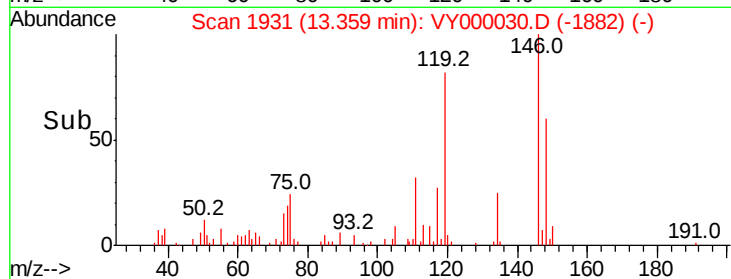
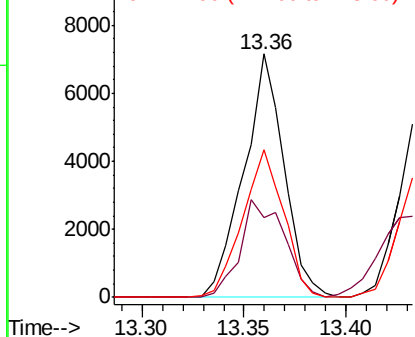
#87
 1,3-Dichlorobenzene
 Concen: 3.316 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:146 Resp: 9845
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.2 63.6
 148 61.6 32.1 96.5

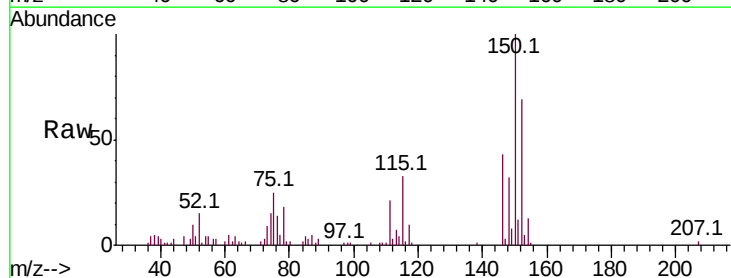


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

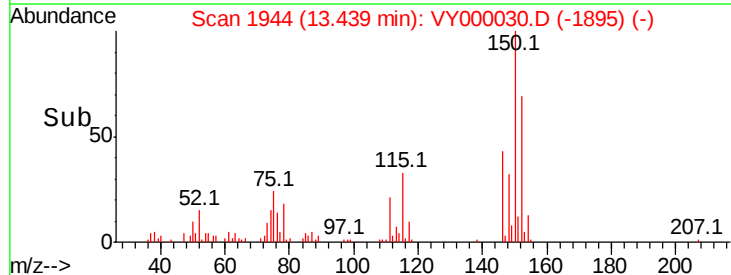
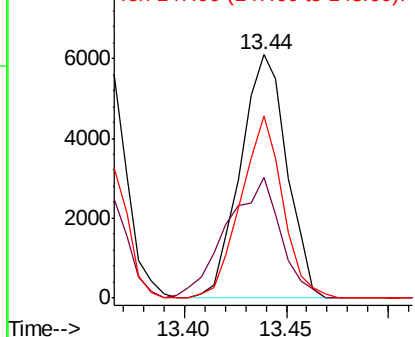


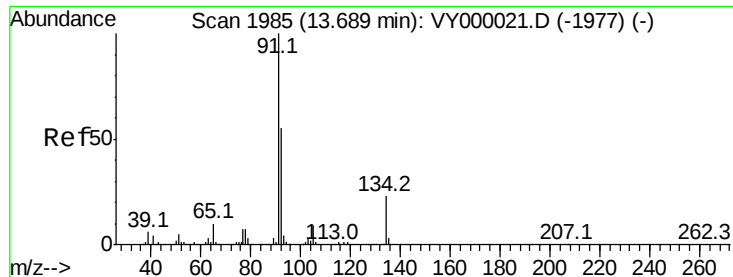
#88
 1,4-Dichlorobenzene
 Concen: 3.237 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion:146 Resp: 9671
 Ion Ratio Lower Upper
 146 100
 111 58.0 20.3 60.9
 148 67.3 31.7 95.1



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





#89

n-Butylbenzene

Concen: 3.190 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

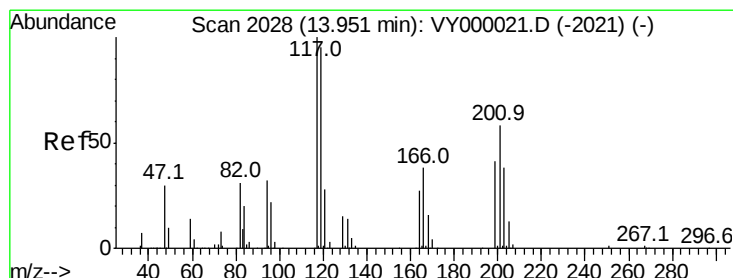
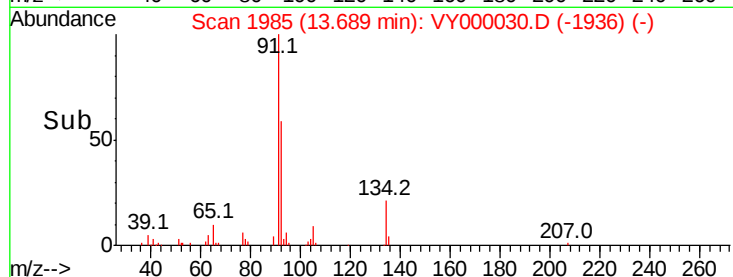
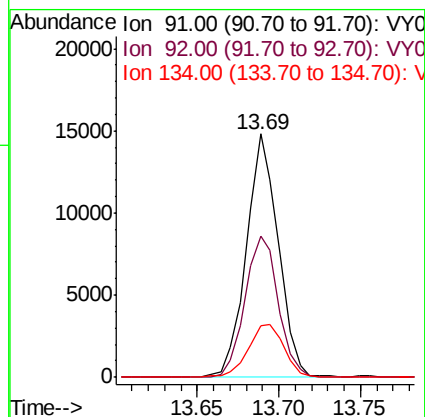
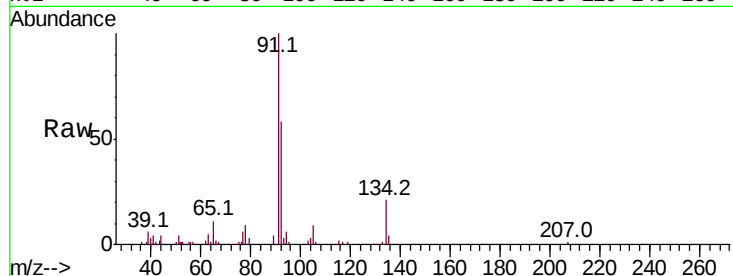
Tot Ion: 91 Resp: 20252

Ion Ratio Lower Upper

91 100

92 60.5 27.2 81.6

134 24.4 12.6 37.6



#90

Hexachloroethane

Concen: 3.373 ug/l

RT: 13.96 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VY000030.D

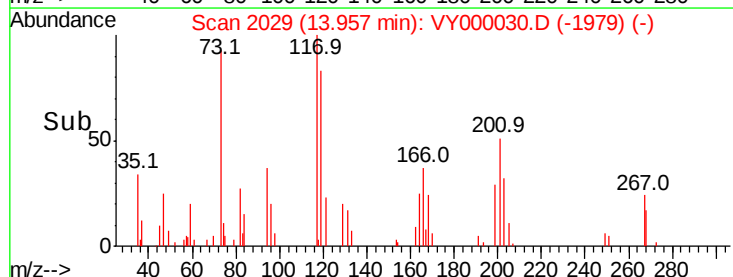
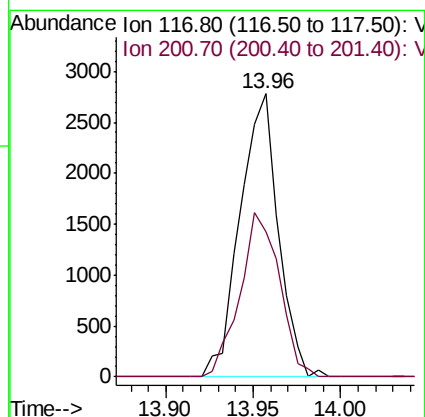
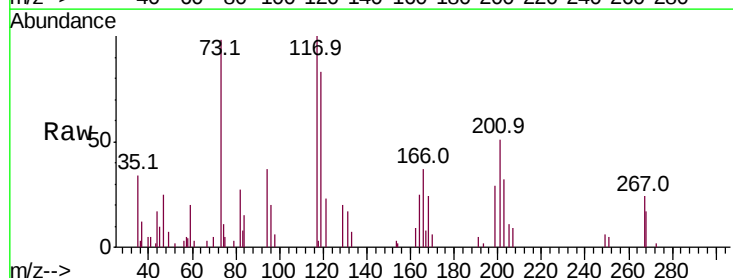
Acq: 12 Sep 2019 17:03

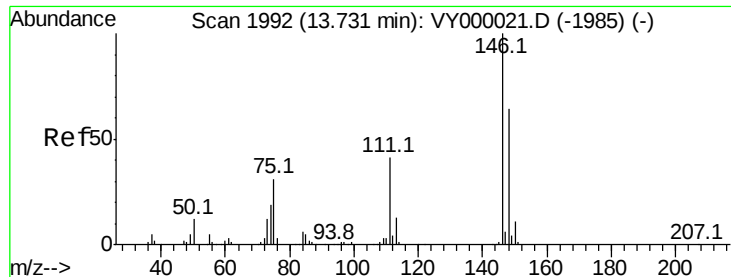
Tgt Ion: 117 Resp: 4222

Ion Ratio Lower Upper

117 100

201 60.3 31.4 94.0

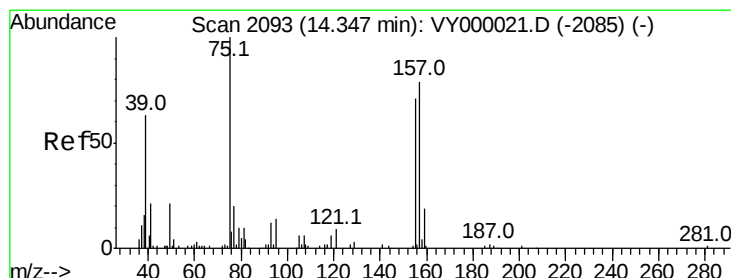
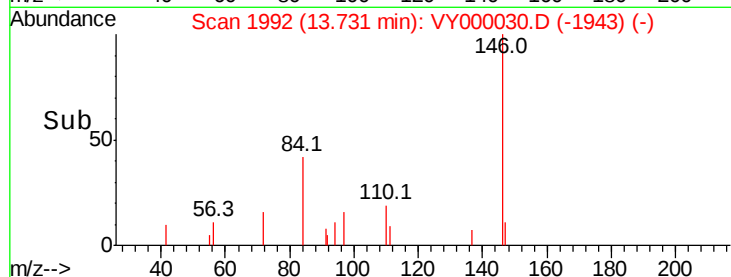
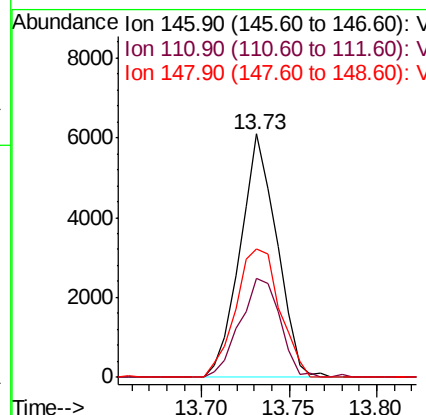
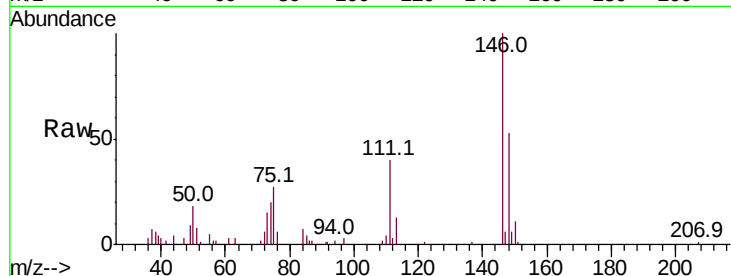




#91
 1,2-Dichlorobenzene
 Concen: 3.219 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

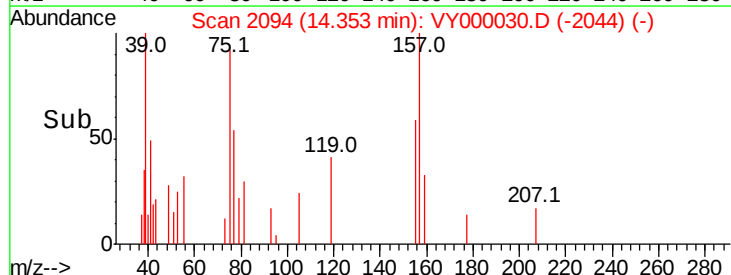
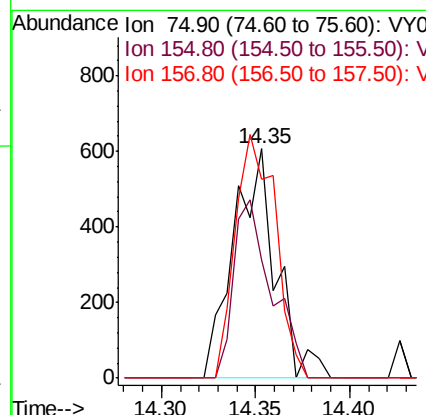
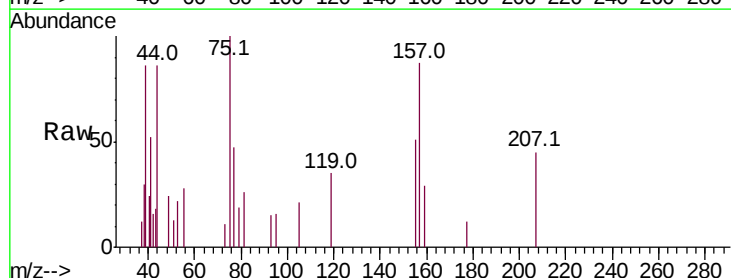
Instrument :
 MSVOA_Y
 ClientSampleId :

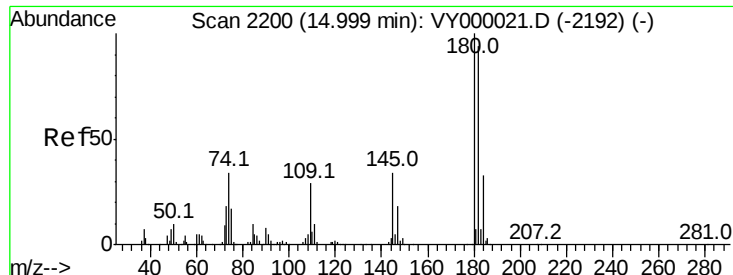
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.0	63.0
148	63.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.914 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	41.8	125.3
157	100.7	51.3	153.9

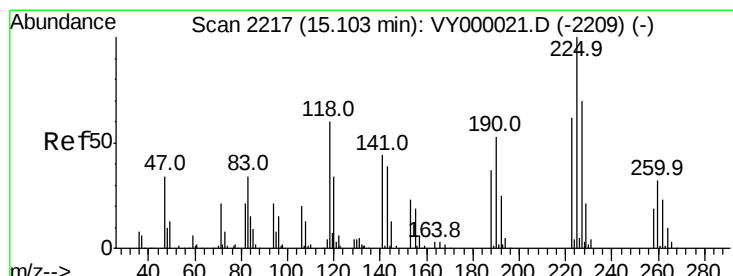
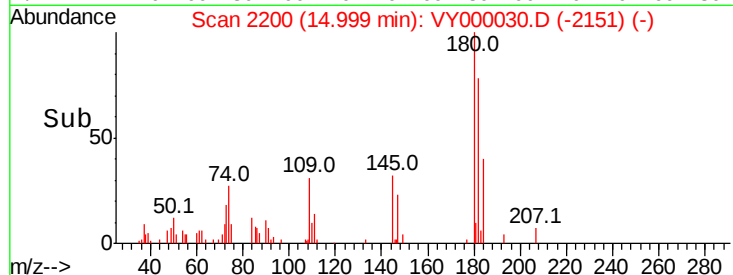
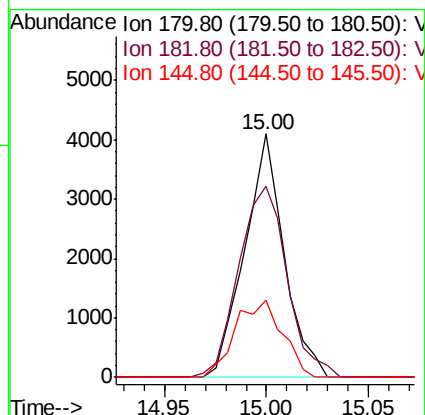
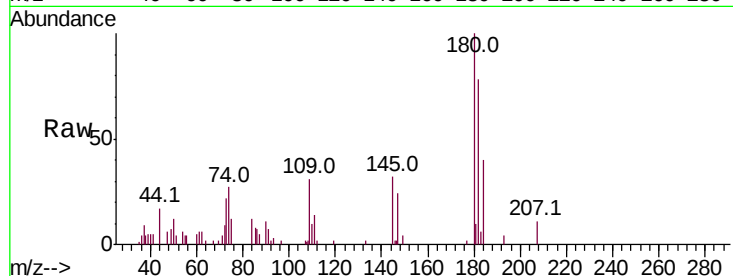




#93
 1,2,4-Trichlorobenzene
 Concen: 3.122 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

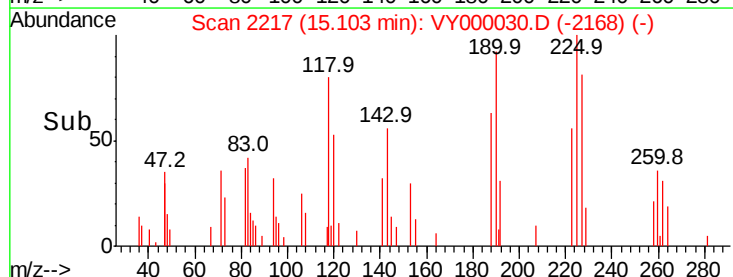
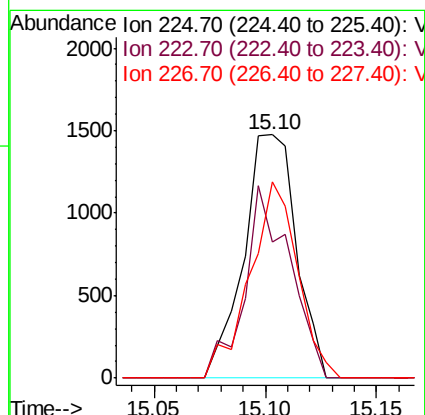
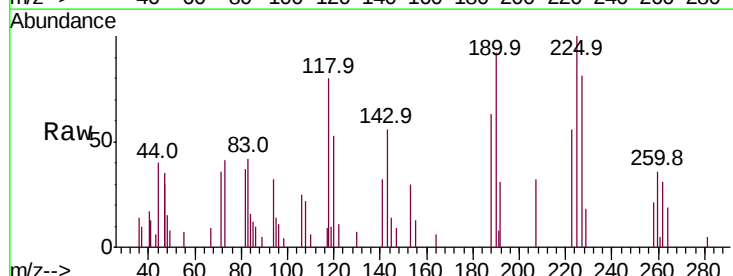
Instrument :
 MSVOA_Y
 ClientSampled :

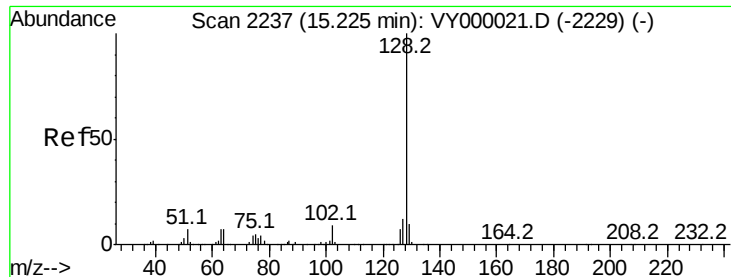
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.0	141.0
145	37.7	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 3.010 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.5	30.9	92.7
227	73.1	31.0	93.0

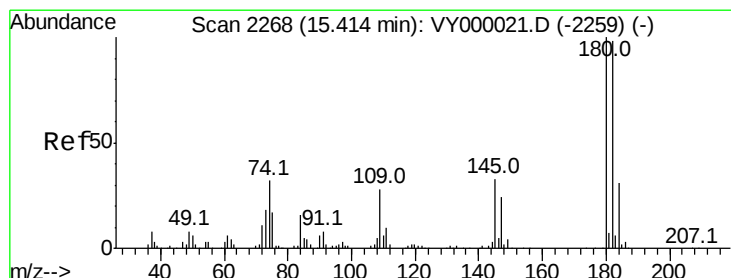
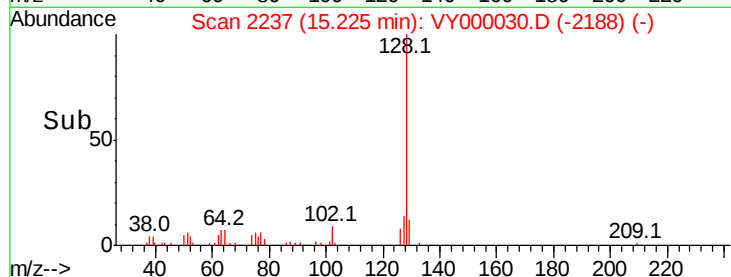
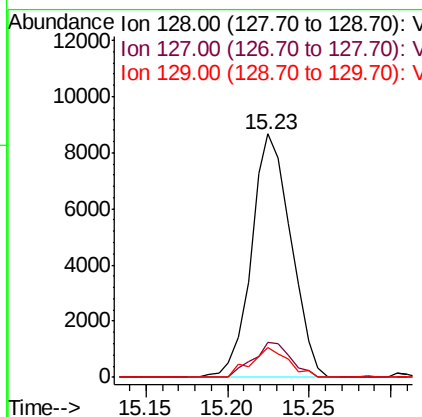
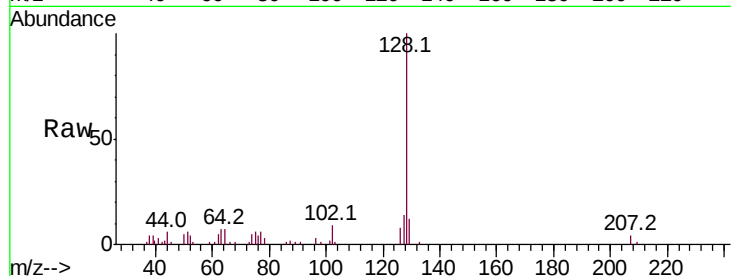




#95
Naphthalene
Concen: 3.016 ug/l
RT: 15.23 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 14548
Ion Ratio Lower Upper
128 100
127 13.7 9.8 14.8
129 11.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.549 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion:180 Resp: 5618
Ion Ratio Lower Upper
180 100
182 91.3 46.8 140.4
145 40.4 17.3 51.7

