

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
 Data File : VY000033.D
 Acq On : 13 Sep 2019 09:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 13 12:39:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	140791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	263539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	225369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	71763	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
35) Dibromofluoromethane	7.72	113	71124	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	10.18	98	299771	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.48	95	101427	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	45721	44.037	ug/l	99
3) Chloromethane	2.11	50	63240	48.677	ug/l	96
4) Vinyl Chloride	2.25	62	71913	45.677	ug/l	96
5) Bromomethane	2.63	94	46110	47.424	ug/l	99
6) Chloroethane	2.78	64	47347	45.173	ug/l	100
7) Trichlorofluoromethane	3.12	101	92009	44.975	ug/l	98
8) Diethyl Ether	3.53	74	39753	47.284	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	66069	47.458	ug/l	99
10) Methyl Iodide	4.09	142	70531	46.330	ug/l	99
11) Tert butyl alcohol	4.96	59	41386	214.642	ug/l	96
12) 1,1-Dichloroethene	3.87	96	60283	46.462	ug/l	85
13) Acrolein	3.73	56	27656	215.790	ug/l	97
14) Allyl chloride	4.47	41	94122	46.722	ug/l	99
15) Acrylonitrile	5.17	53	123962	232.387	ug/l	96
16) Acetone	3.95	43	105960	251.960	ug/l	95
17) Carbon Disulfide	4.19	76	111843	46.838	ug/l	99
18) Methyl Acetate	4.48	43	51698	43.690	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	189899	48.323	ug/l	95
20) Methylene Chloride	4.71	84	71778	47.849	ug/l	94
21) trans-1,2-Dichloroethene	5.21	96	65254	45.421	ug/l	97
22) Diisopropyl ether	6.12	45	209611	47.134	ug/l #	98
23) Vinyl Acetate	6.06	43	725641	235.867	ug/l	100
24) 1,1-Dichloroethane	6.02	63	122722	46.568	ug/l	97
25) 2-Butanone	6.99	43	167853	245.575	ug/l	97
26) 2,2-Dichloropropane	6.98	77	114786	46.886	ug/l	99
27) cis-1,2-Dichloroethene	6.98	96	86170	47.541	ug/l	99
28) Bromochloromethane	7.33	49	62037	51.258	ug/l #	97
29) Tetrahydrofuran	7.35	42	93283	229.422	ug/l	97
30) Chloroform	7.51	83	128310	47.214	ug/l	97
31) Cyclohexane	7.78	56	90818	46.612	ug/l	92
32) 1,1,1-Trichloroethane	7.70	97	104701	46.966	ug/l	99
36) 1,1-Dichloropropene	7.92	75	89245	46.123	ug/l	99
37) Ethyl Acetate	7.07	43	61412	47.066	ug/l	99
38) Carbon Tetrachloride	7.90	117	86486	47.352	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	101891	42.621	ug/l	93
40) Benzene	8.16	78	291356	46.250	ug/l	97
41) Methacrylonitrile	7.34	41	85600	112.759	ug/l #	20
42) 1,2-Dichloroethane	8.24	62	77226	47.969	ug/l	98
43) Isopropyl Acetate	8.27	43	117774	46.579	ug/l	98
44) Trichloroethene	8.94	130	75143	47.772	ug/l	87
45) 1,2-Dichloropropane	9.22	63	75011	46.178	ug/l	96
46) Dibromomethane	9.31	93	42009	46.599	ug/l	98
47) Bromodichloromethane	9.49	83	100437	46.671	ug/l	98
48) Methyl methacrylate	9.29	41	53609	48.048	ug/l	97
49) 1,4-Dioxane	9.30	88	16091	852.294	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	334470	236.074	ug/l	100
52) Toluene	10.24	92	183543	46.367	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	106903	47.247	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	125219	47.560	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	67616	47.330	ug/l	97
56) Ethyl methacrylate	10.51	69	95343	47.554	ug/l	99
57) 1,3-Dichloropropane	10.79	76	109948	48.124	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	260218	236.939	ug/l	100
59) 2-Hexanone	10.83	43	259547	254.211	ug/l	98
60) Dibromochloromethane	10.98	129	71145	47.263	ug/l	99
61) 1,2-Dibromoethane	11.09	107	59429	47.098	ug/l	95
64) Tetrachloroethene	10.72	164	63398	45.873	ug/l	94
65) Chlorobenzene	11.51	112	200078	46.591	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	70966	47.693	ug/l	99
67) Ethyl Benzene	11.59	91	362371	46.449	ug/l	95
68) m/p-Xylenes	11.70	106	282609	95.996	ug/l	95
69) o-Xylene	12.02	106	135210	46.861	ug/l	98
70) Styrene	12.04	104	238983	47.613	ug/l	100
71) Bromoform	12.21	173	42217	46.989	ug/l #	97
73) Isopropylbenzene	12.32	105	348289	45.793	ug/l	99
74) N-amyl acetate	12.14	43	110040	49.013	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	84769	46.615	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	113678	82.221	ug/l #	100
77) Bromobenzene	12.60	156	77730	48.313	ug/l	99
78) n-propylbenzene	12.66	91	431591	46.433	ug/l	98
79) 2-Chlorotoluene	12.75	91	239821	46.141	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	292341	46.034	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	33501	48.063	ug/l	97
82) 4-Chlorotoluene	12.85	91	252259	46.245	ug/l	100
83) tert-Butylbenzene	13.07	119	248234	45.492	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	288590	46.004	ug/l	98
85) sec-Butylbenzene	13.25	105	363641	45.157	ug/l	100
86) p-Isopropyltoluene	13.37	119	311913	45.660	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	149314	46.112	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	152336	46.750	ug/l	98
89) n-Butylbenzene	13.69	91	314819	45.478	ug/l	99
90) Hexachloroethane	13.96	117	63079	46.207	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	138354	45.913	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.35	75	15267	48.394	ug/l	96

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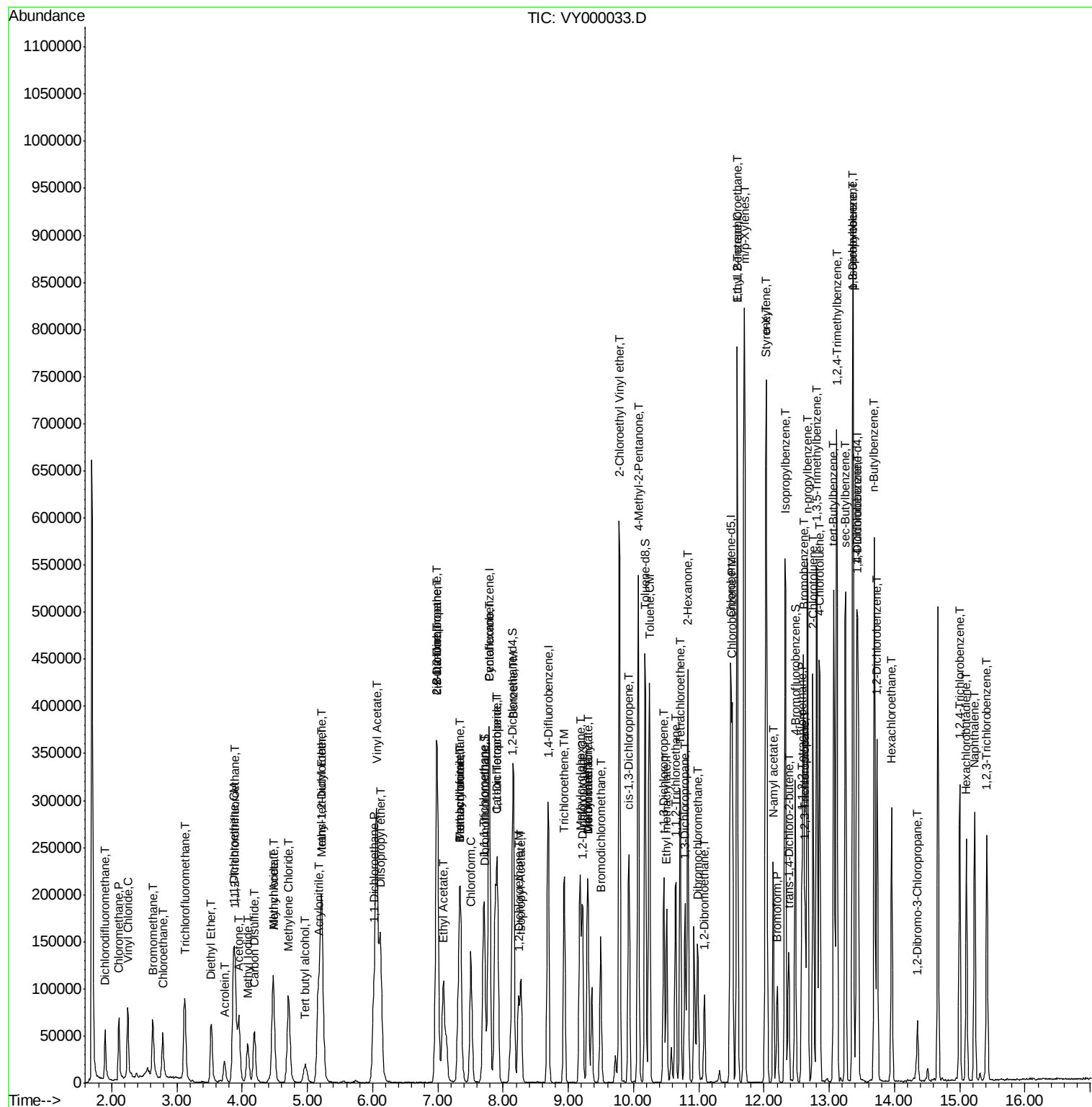
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	84203	43.790	ug/l	98
94) Hexachlorobutadiene	15.10	225	39035	44.260	ug/l	99
95) Naphthalene	15.23	128	239623	45.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	78303	45.363	ug/l	99

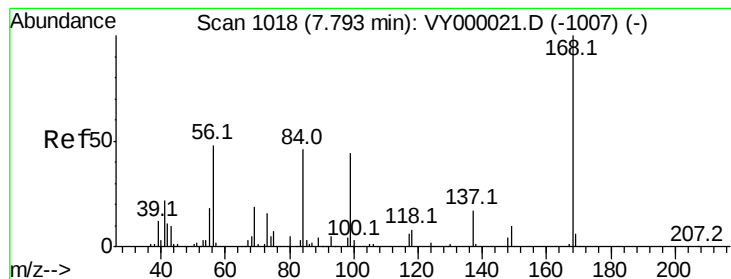
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

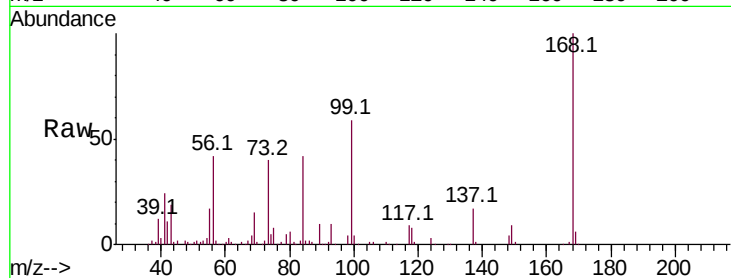
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 140791

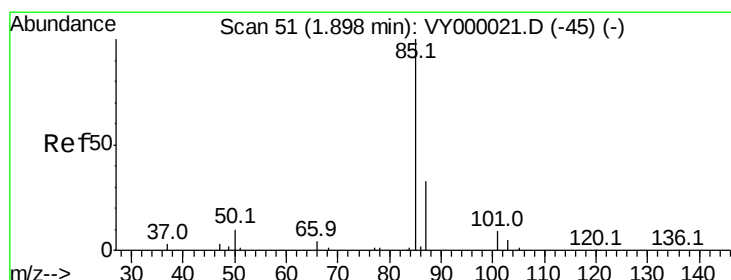
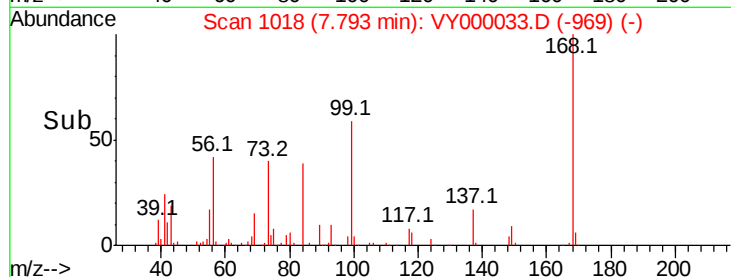
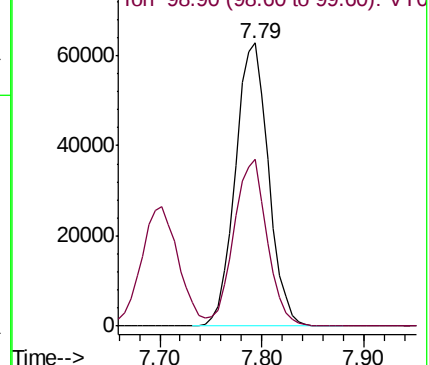
Ion Ratio Lower Upper

168 100

99 58.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000033.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: 44.037 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000033.D

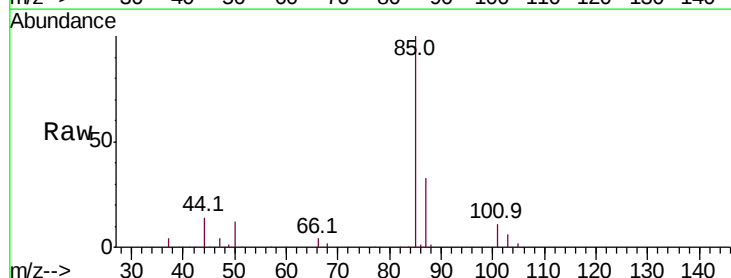
Acq: 13 Sep 2019 09:35

Tgt Ion: 85 Resp: 45721

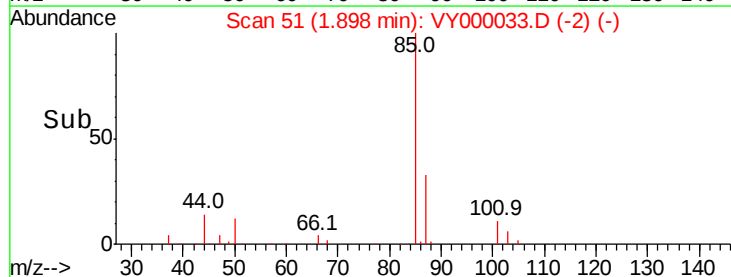
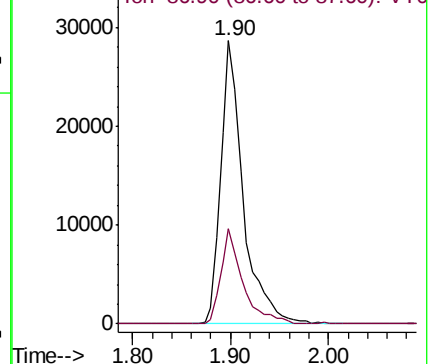
Ion Ratio Lower Upper

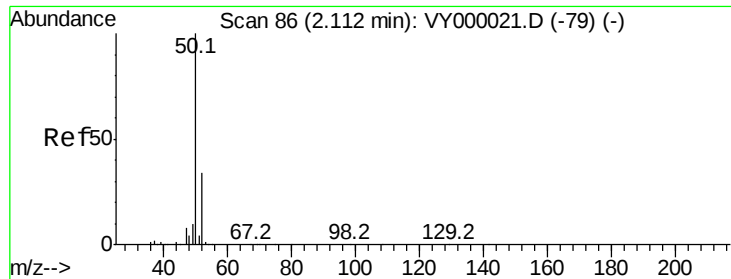
85 100

87 33.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000033.D (-2) (-)

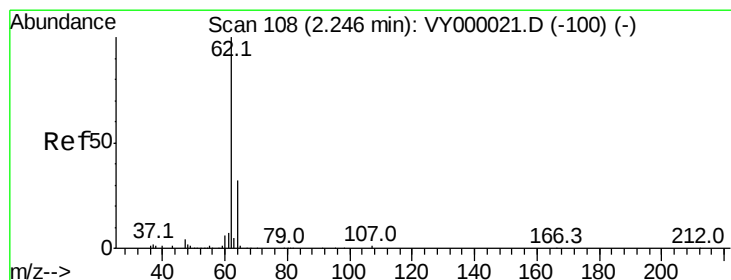
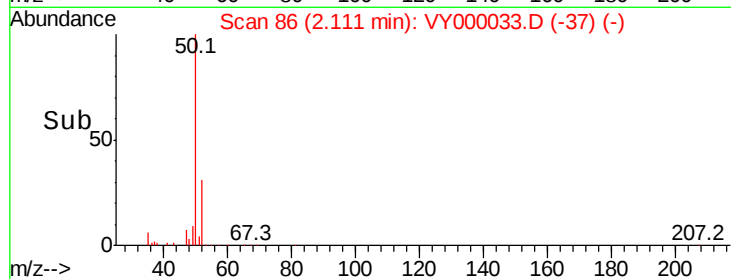
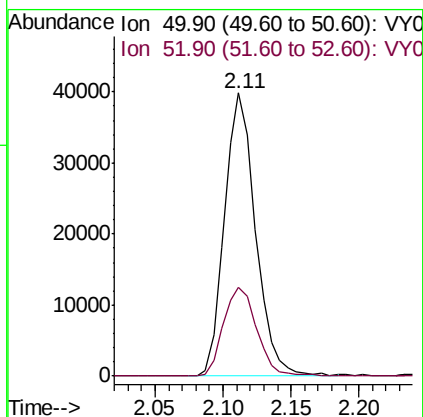
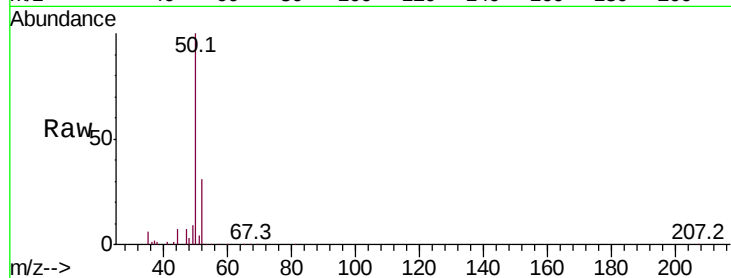




#3
Chloromethane
Concen: 48.677 ug/l
RT: 2.11 min Scan# 86
Delta R.T. 0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

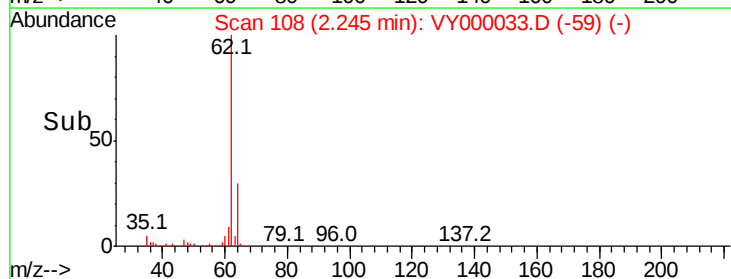
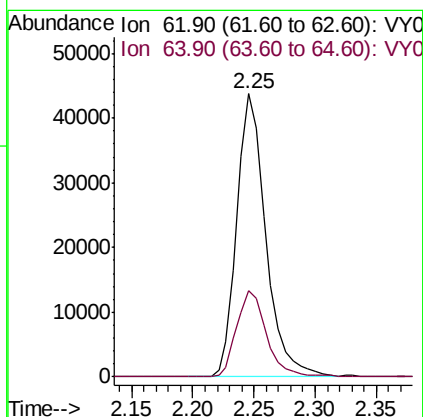
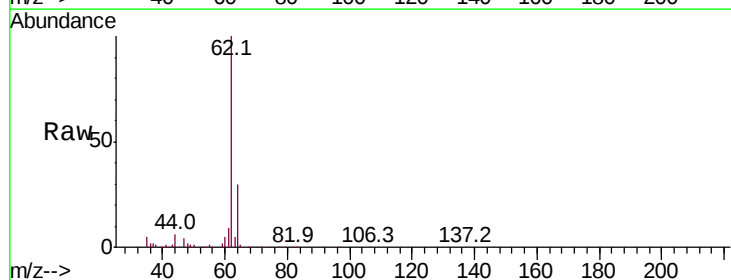
Instrument :
MSVOA_Y
ClientSampleId :

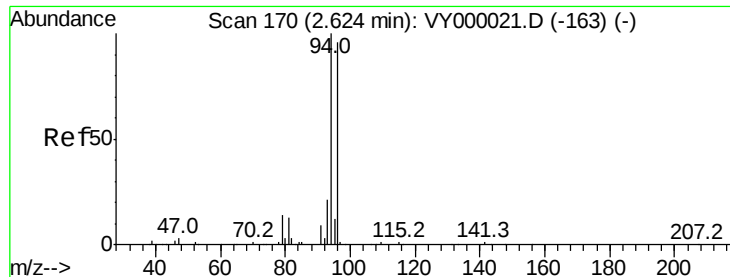
Tot Ion: 50 Resp: 63240
Ion Ratio Lower Upper
50 100
52 31.3 27.0 40.6



#4
Vinyl Chloride
Concen: 45.677 ug/l
RT: 2.25 min Scan# 108
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion: 62 Resp: 71913
Ion Ratio Lower Upper
62 100
64 30.4 26.1 39.1





#5

Bromomethane

Concen: 47.424 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

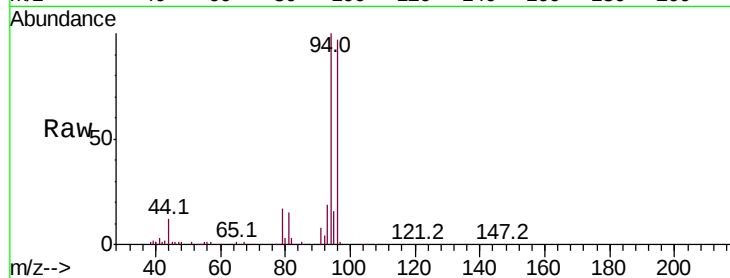
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 46110

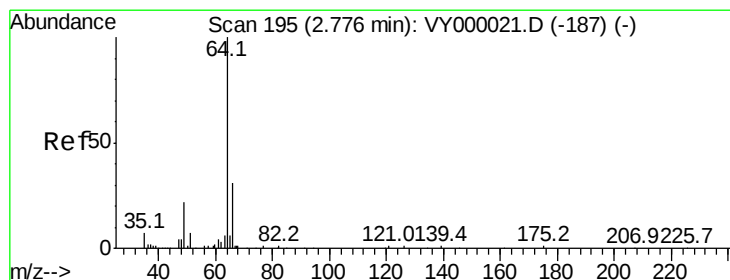
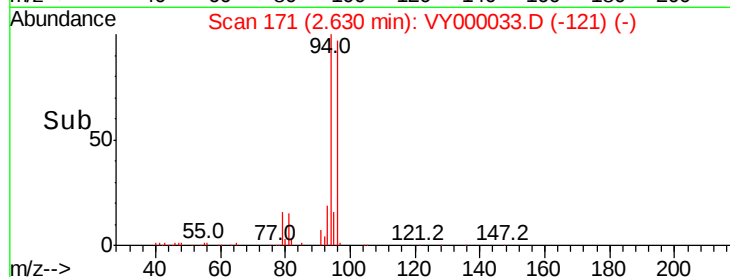
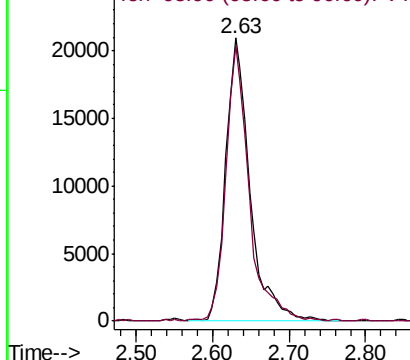
Ion Ratio Lower Upper

94 100

96 96.8 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VY0
Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.173 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000033.D

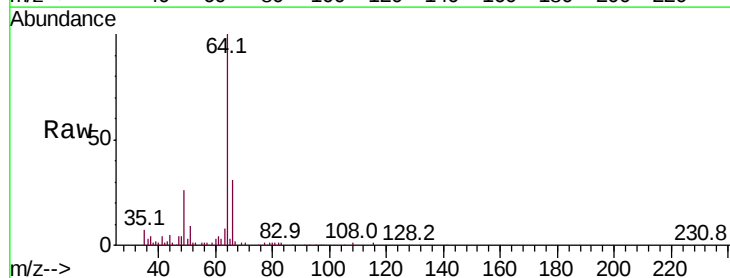
Acq: 13 Sep 2019 09:35

Tgt Ion: 64 Resp: 47347

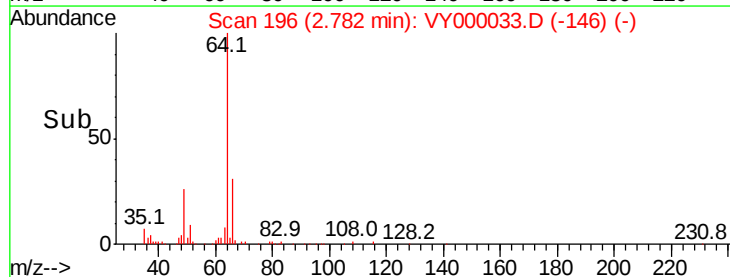
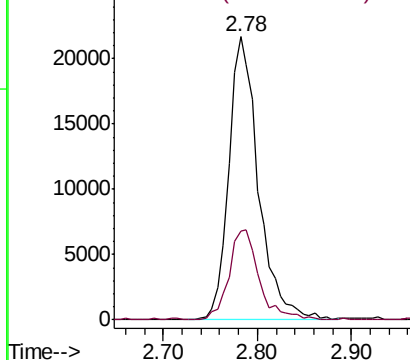
Ion Ratio Lower Upper

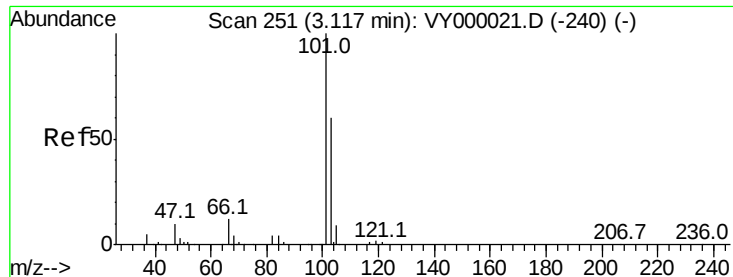
64 100

66 31.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0
Ion 65.90 (65.60 to 66.60): VY0



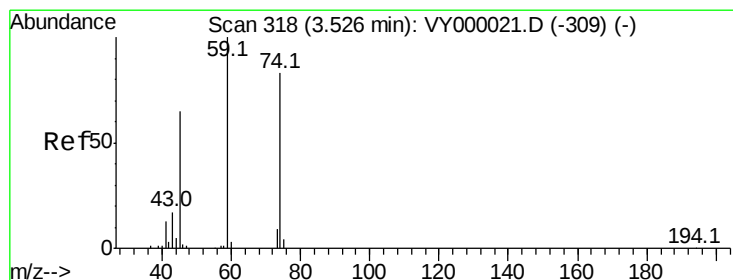
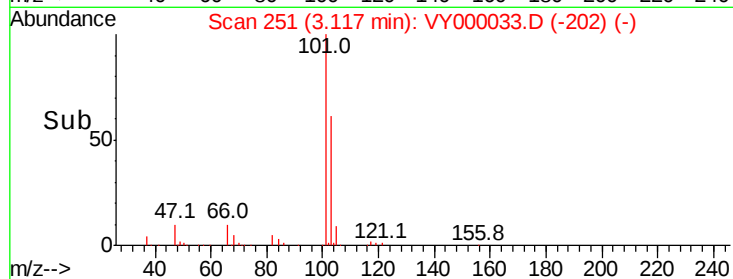
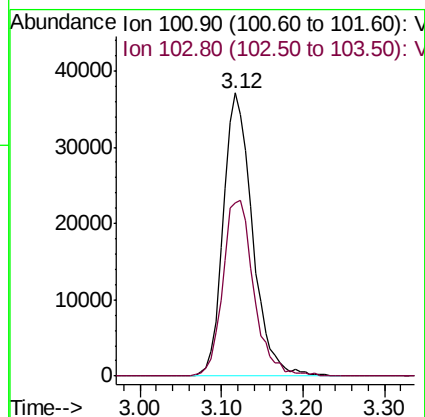
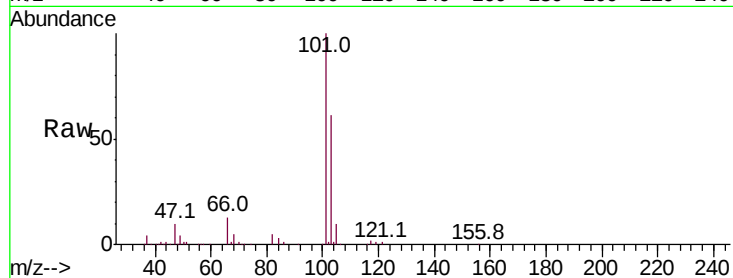


#7

Trichlorofluoromethane
 Concen: 44.975 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Instrument :
 MSVOA_Y
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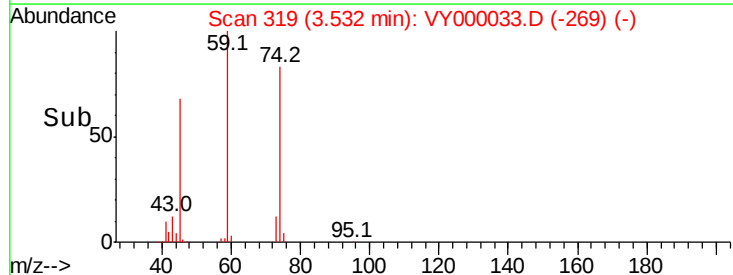
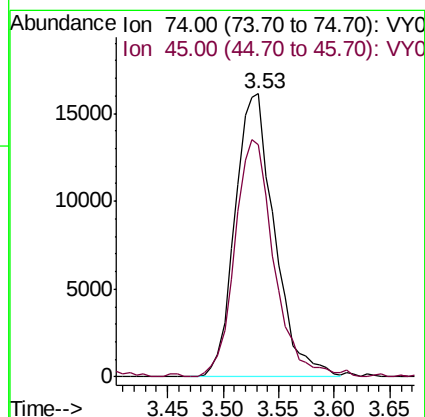
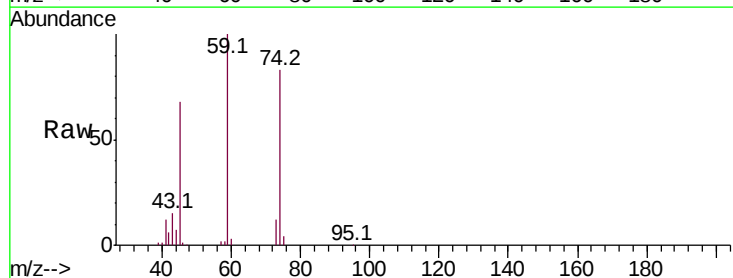
Tot Ion:101 Resp: 92009
 Ion Ratio Lower Upper
 101 100
 103 61.4 48.1 72.1

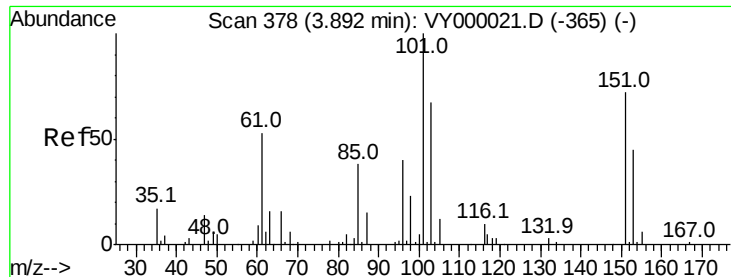


#8

Diethyl Ether
 Concen: 47.284 ug/l
 RT: 3.53 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion: 74 Resp: 39753
 Ion Ratio Lower Upper
 74 100
 45 83.0 41.9 125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.458 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :
MSVOA_Y
ClientSampleId :

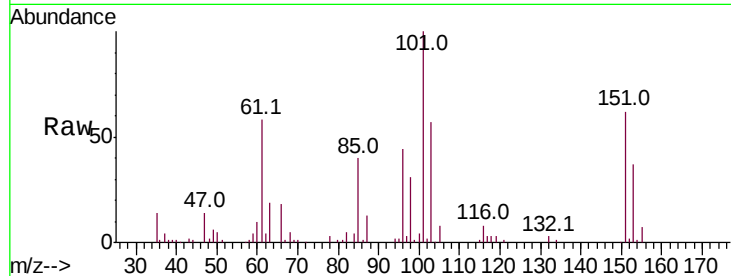
Tot Ion:101 Resp: 66069

Ion Ratio Lower Upper

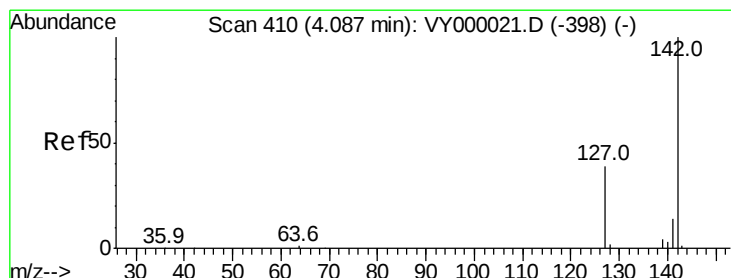
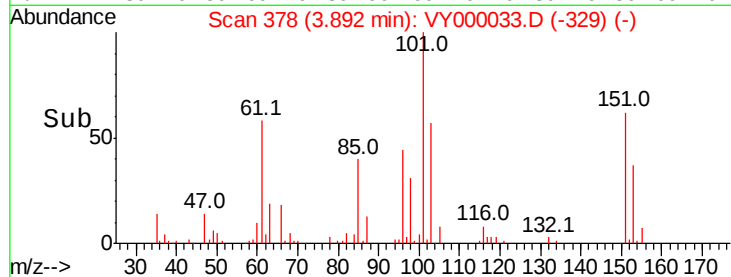
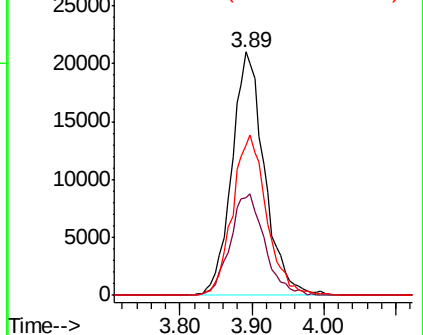
101 100

85 43.9 35.3 52.9

151 68.6 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: 46.330 ug/l

RT: 4.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

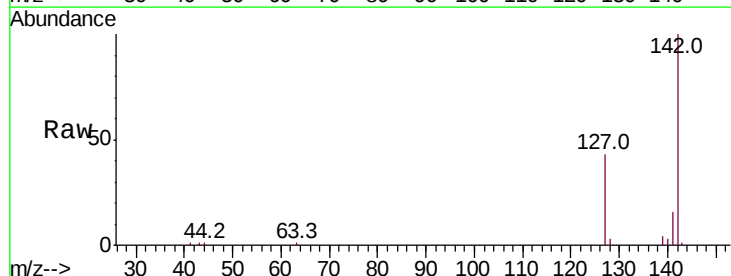
Tgt Ion:142 Resp: 70531

Ion Ratio Lower Upper

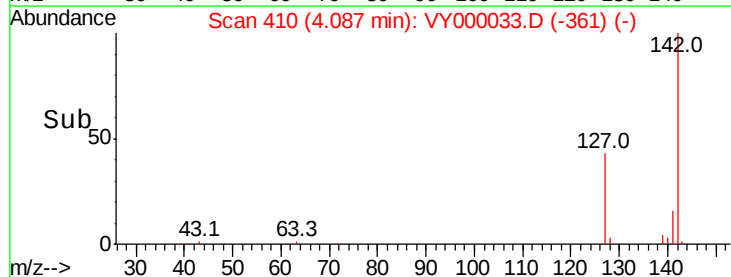
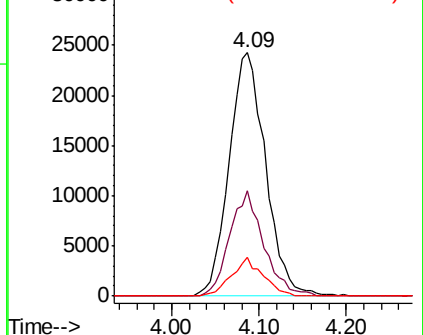
142 100

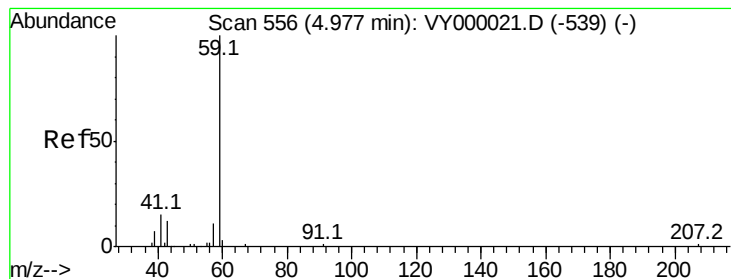
127 40.3 31.4 47.2

141 13.6 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



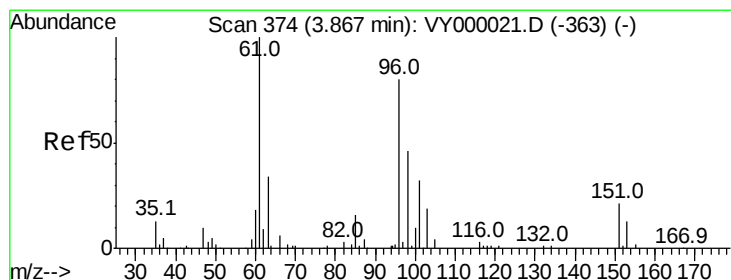
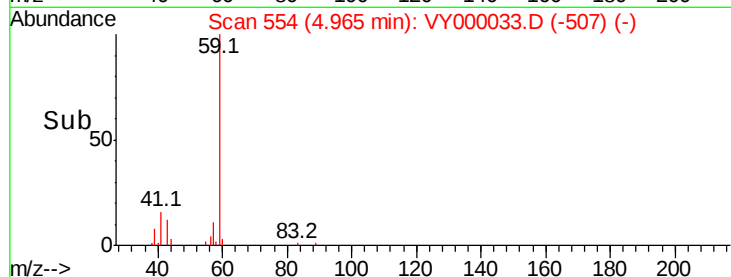
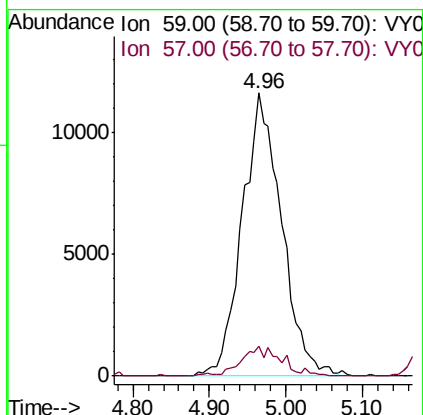
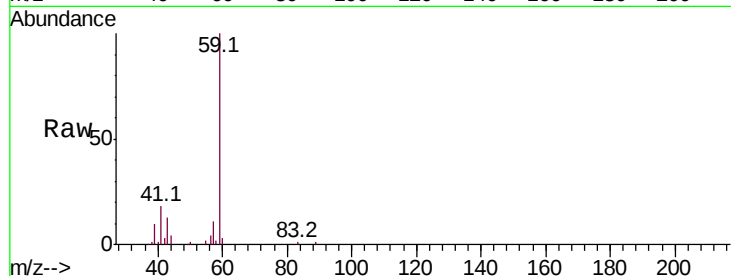


#11

Tert butyl alcohol
Concen: 214.642 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.01 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Instrument :
MSVOA_Y
ClientSampled :

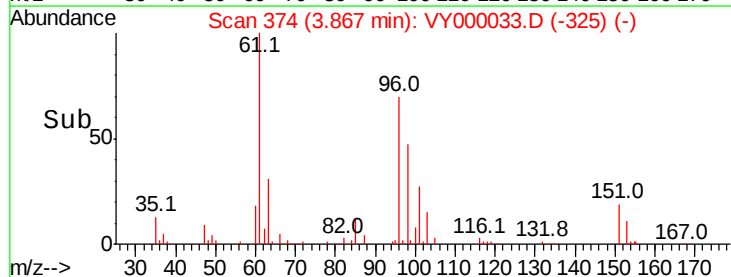
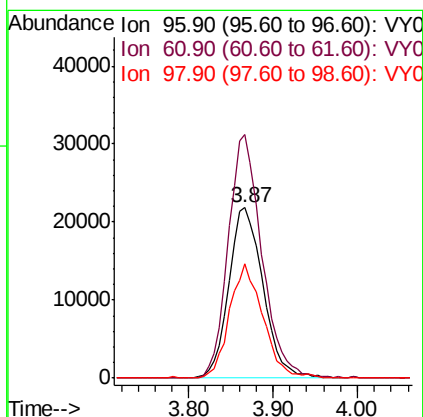
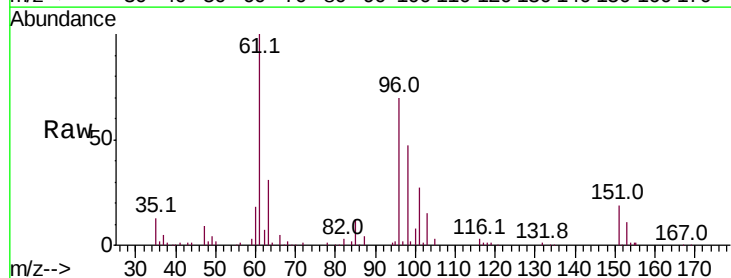
Tot Ion: 59 Resp: 41386
Ion Ratio Lower Upper
59 100
57 9.0 8.3 12.5

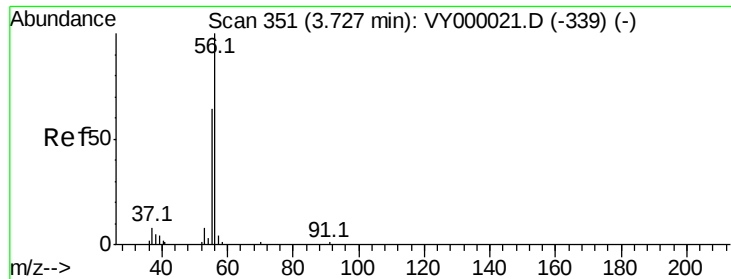


#12

1,1-Dichloroethene
Concen: 46.462 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion: 96 Resp: 60283
Ion Ratio Lower Upper
96 100
61 142.9 99.8 149.6
98 66.8 46.3 69.5





#13

Acrolein

Concen: 215.790 ug/l

RT: 3.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

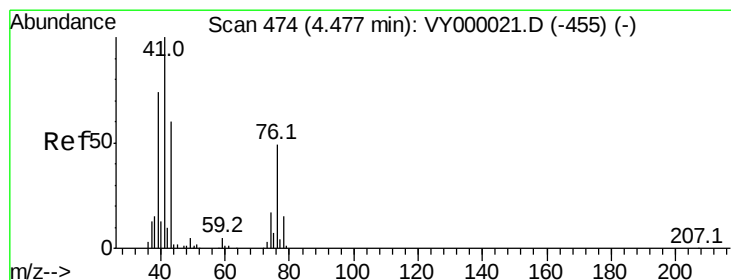
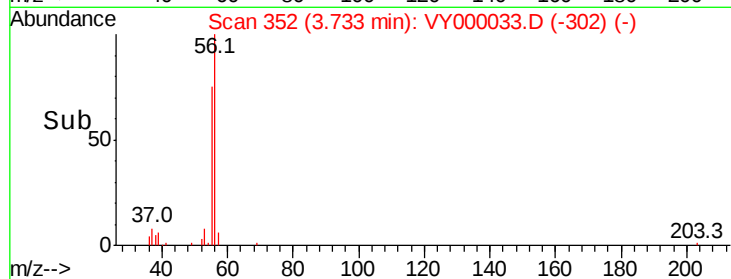
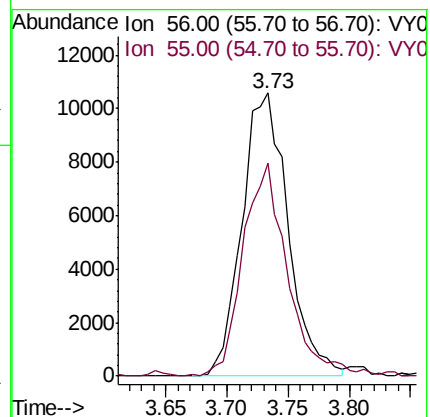
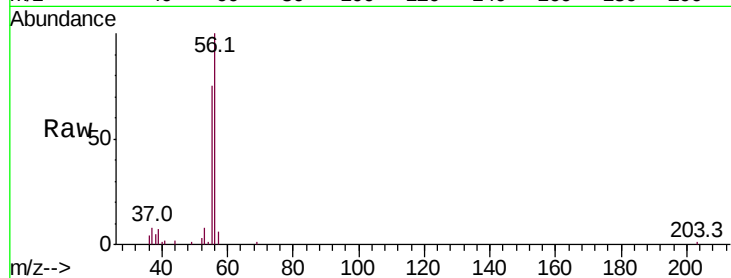
ClientSampleId :

Tot Ion: 56 Resp: 27656

Ion Ratio Lower Upper

56 100

55 73.0 56.7 85.1



#14

Allyl chloride

Concen: 46.722 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

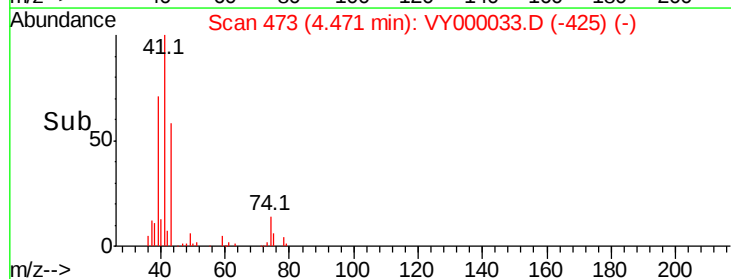
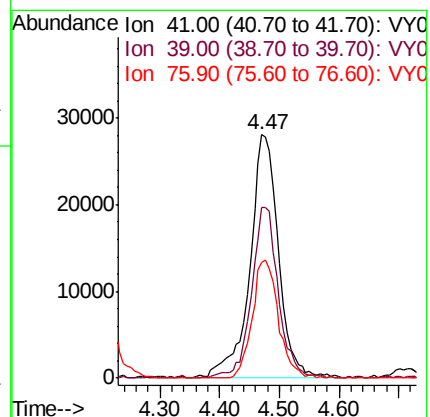
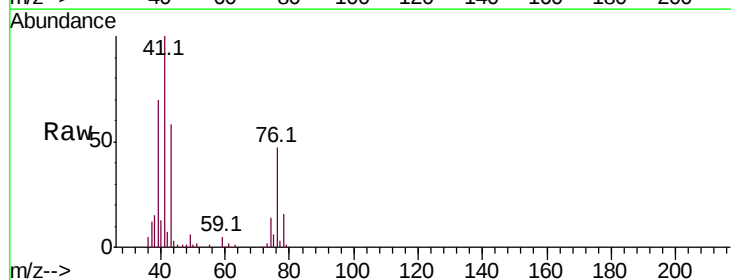
Tgt Ion: 41 Resp: 94122

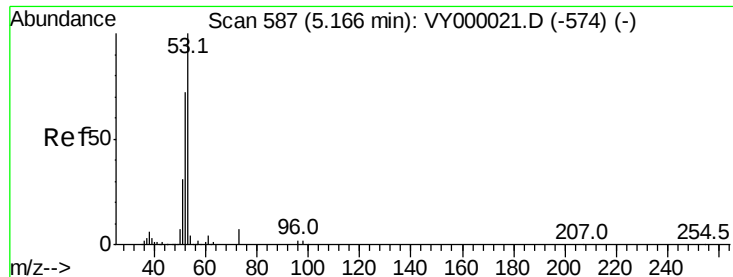
Ion Ratio Lower Upper

41 100

39 65.6 53.1 79.7

76 44.0 34.9 52.3





#15

Acrylonitrile

Concen: 232.387 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

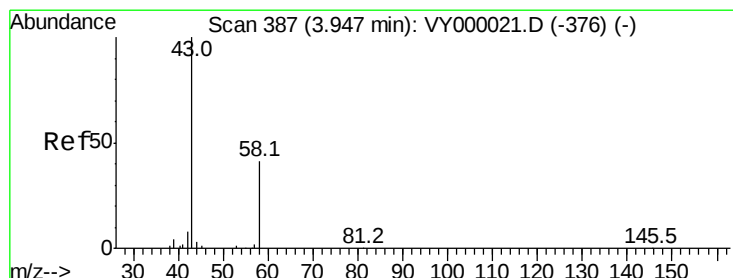
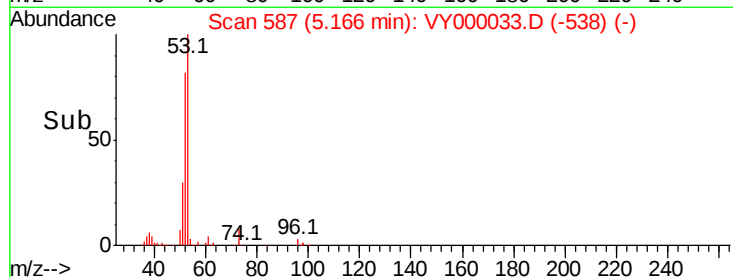
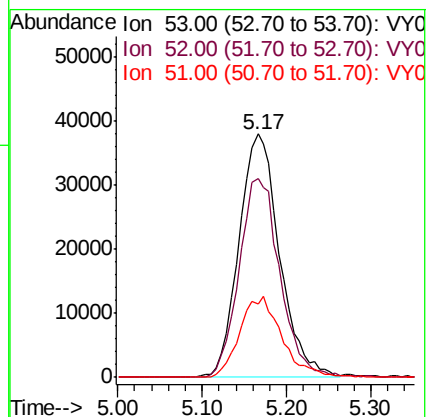
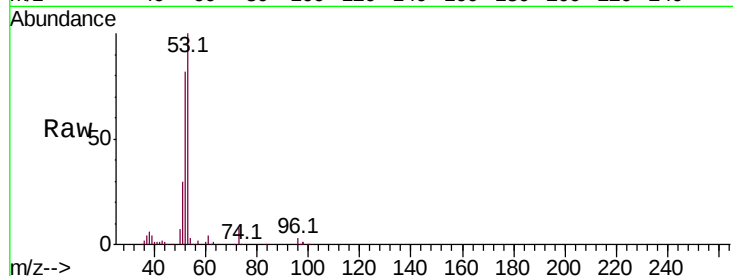
Tot Ion: 53 Resp: 123962

Ion Ratio Lower Upper

53 100

52 82.3 62.8 94.2

51 34.4 26.6 40.0



#16

Acetone

Concen: 251.960 ug/l

RT: 3.95 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000033.D

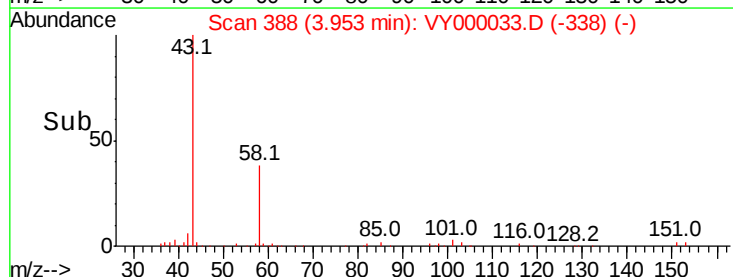
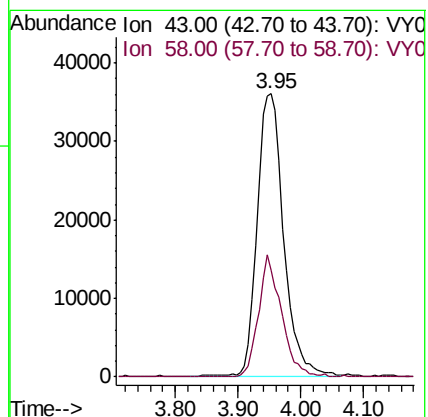
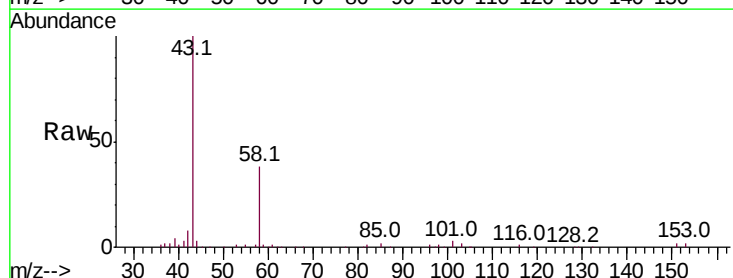
Acq: 13 Sep 2019 09:35

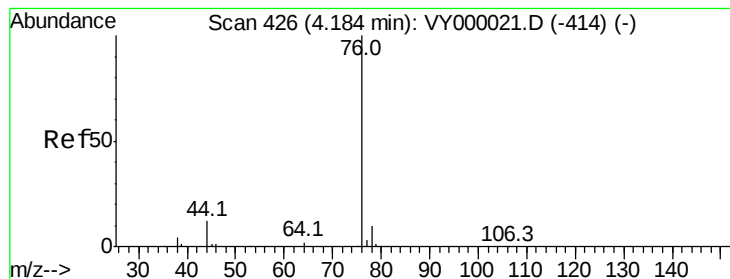
Tgt Ion: 43 Resp: 105960

Ion Ratio Lower Upper

43 100

58 37.3 32.5 48.7





#17

Carbon Disulfide

Concen: 46.838 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

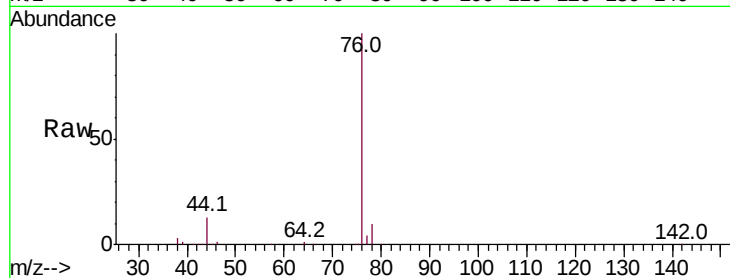
ClientSampled :

Tot Ion: 76 Resp: 111843

Ion Ratio Lower Upper

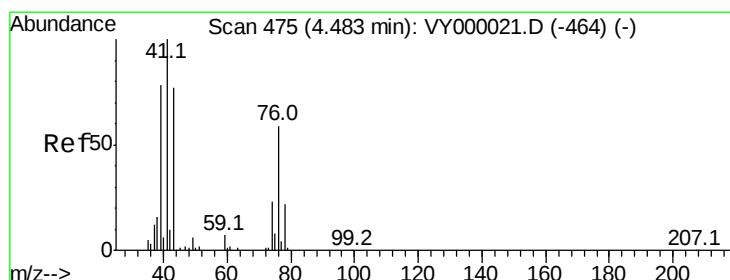
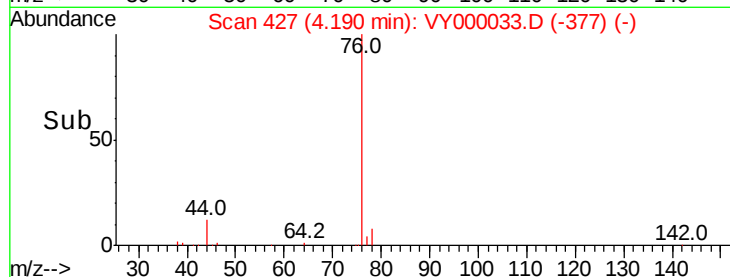
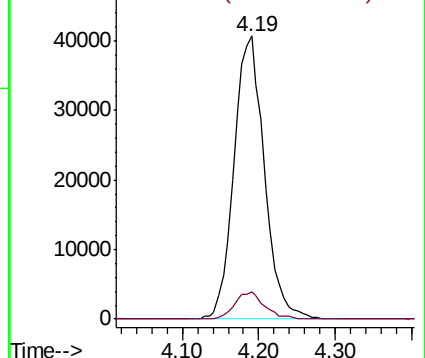
76 100

78 9.8 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 43.690 ug/l

RT: 4.48 min Scan# 475

Delta R.T. -0.00 min

Lab File: VY000033.D

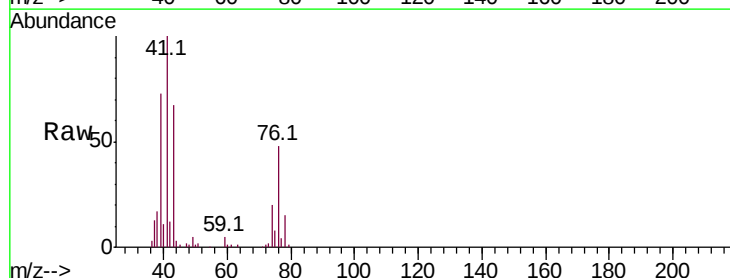
Acq: 13 Sep 2019 09:35

Tgt Ion: 43 Resp: 51698

Ion Ratio Lower Upper

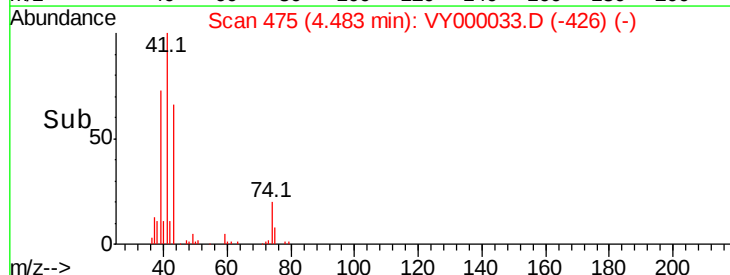
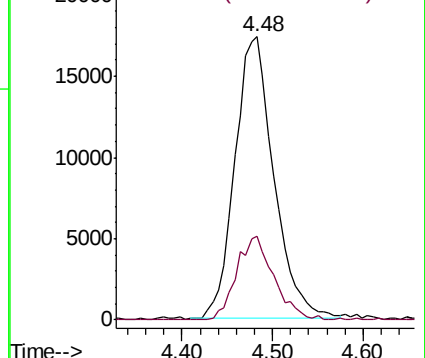
43 100

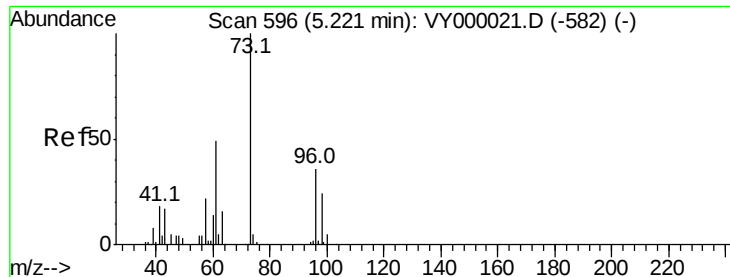
74 28.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

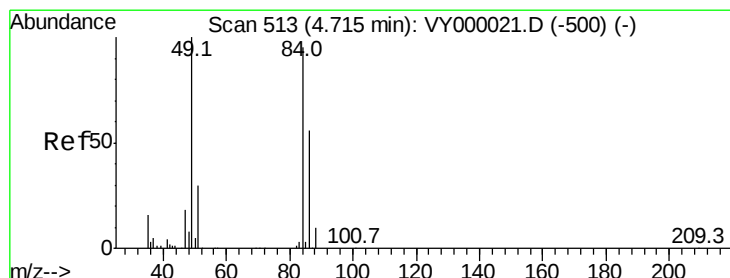
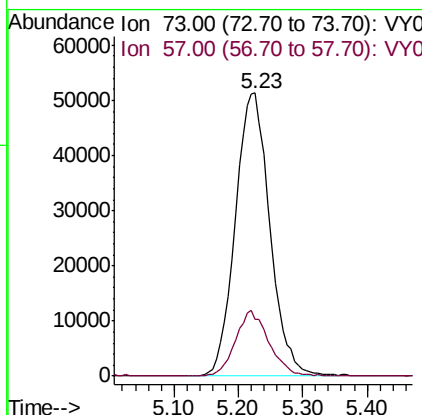
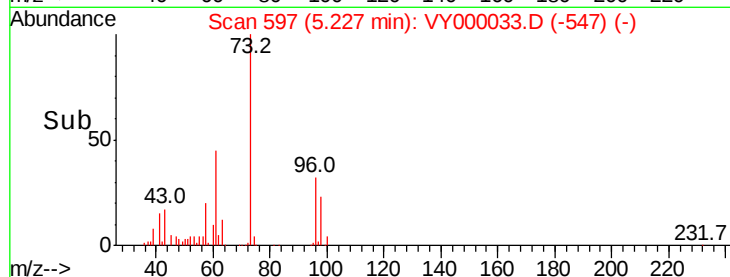
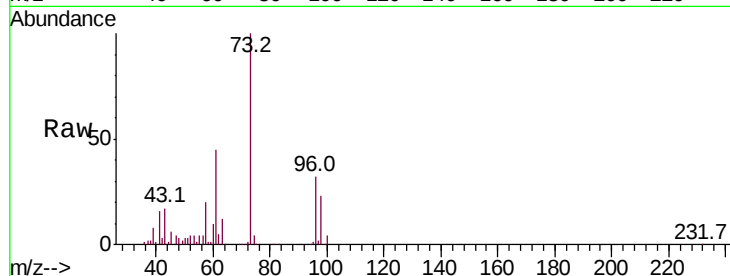




#19
Methvl tert-butvl Ether
Concen: 48.323 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

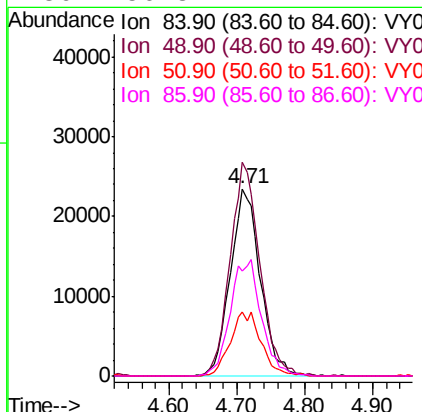
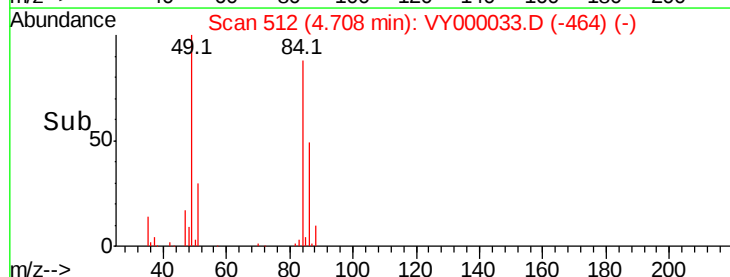
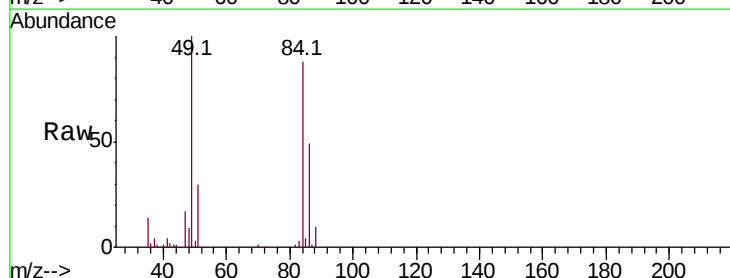
Instrument :
MSVOA_Y
ClientSampleId :

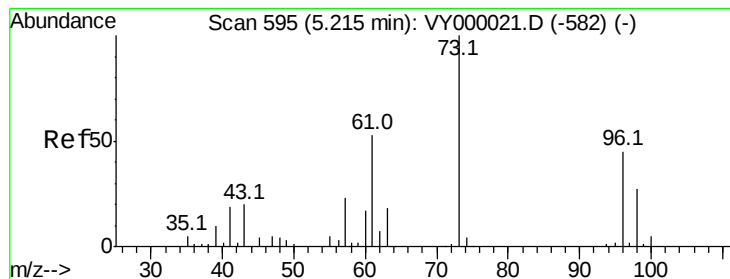
Tot Ion: 73 Resp: 189899
Ion Ratio Lower Upper
73 100
57 20.1 17.8 26.8



#20
Methylene Chloride
Concen: 47.849 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion: 84 Resp: 71778
Ion Ratio Lower Upper
84 100
49 114.1 84.4 126.6
51 34.5 25.4 38.0
86 56.3 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 45.421 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :
MSVOA_Y
ClientSampled :

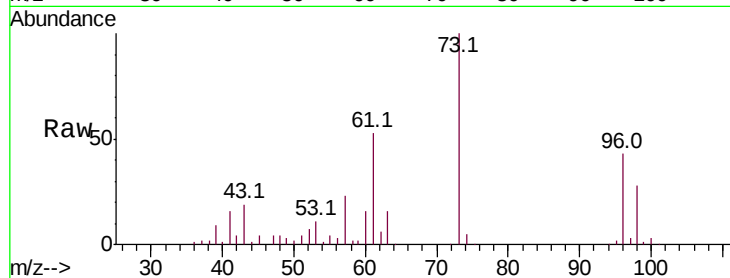
Tot Ion: 96 Resp: 65254

Ion Ratio Lower Upper

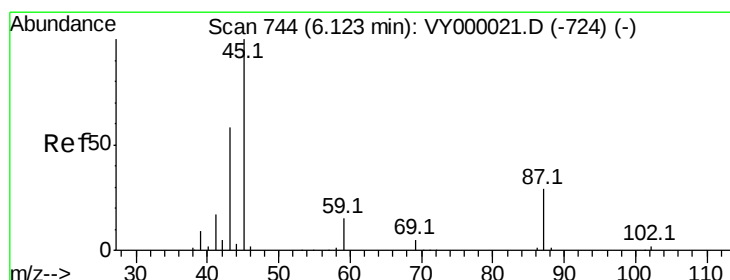
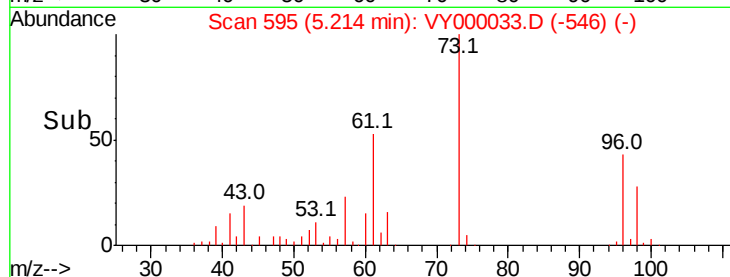
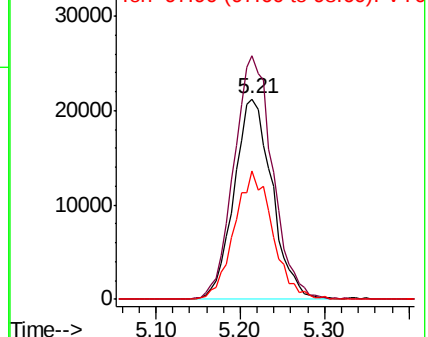
96 100

61 121.4 95.3 142.9

98 64.1 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: 47.134 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Tgt Ion: 45 Resp: 209611

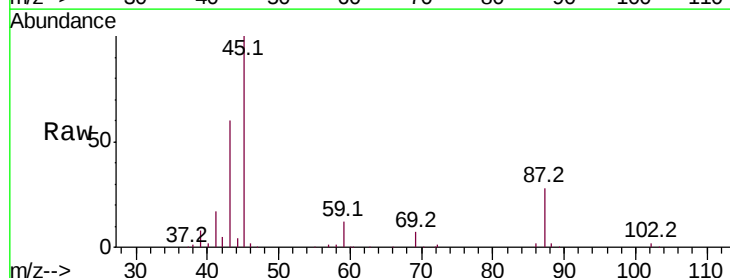
Ion Ratio Lower Upper

45 100

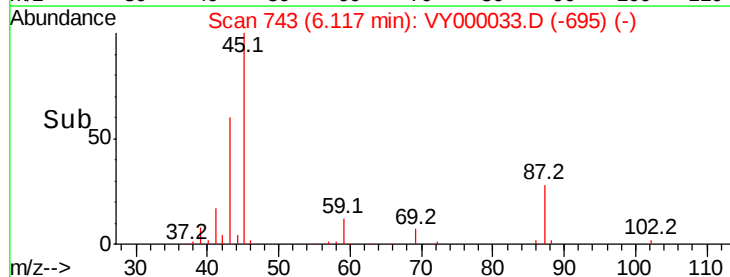
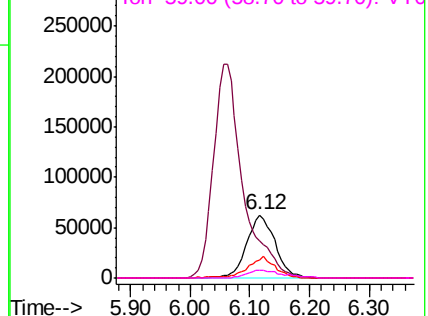
43 59.6 47.0 70.4

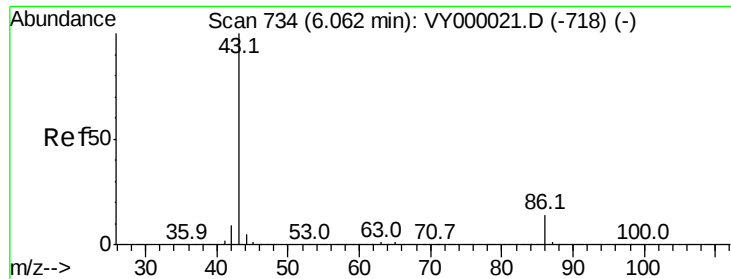
87 28.0 23.1 34.7

59 11.8 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: 235.867 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

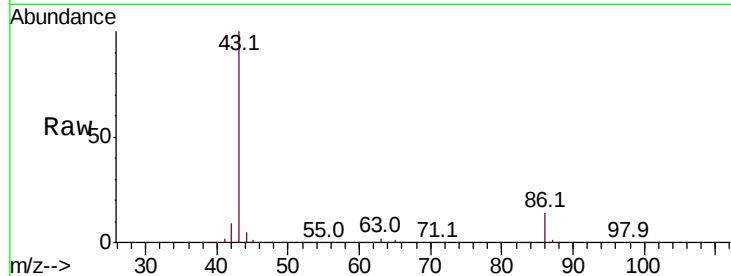
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 725641

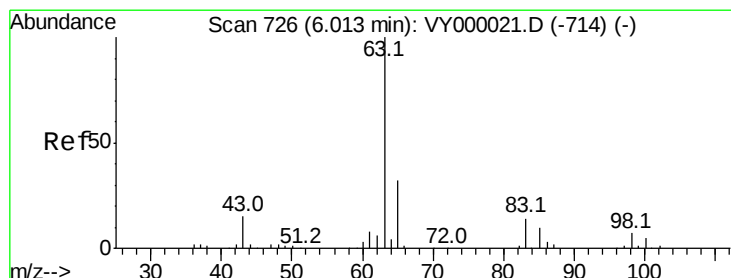
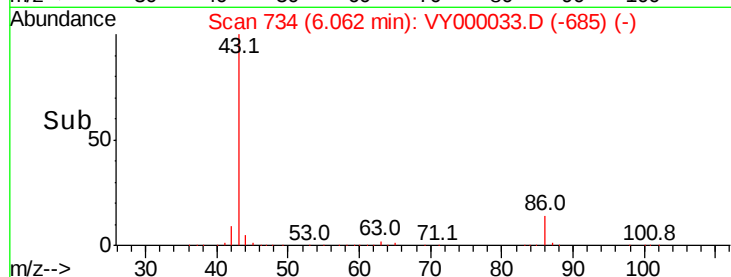
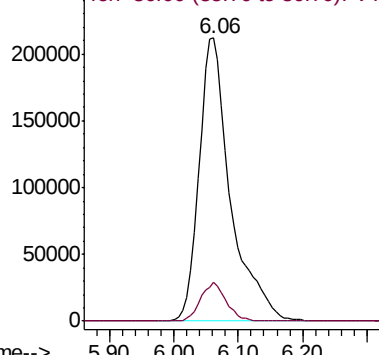
Ion Ratio Lower Upper

43 100

86 13.6 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: 46.568 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

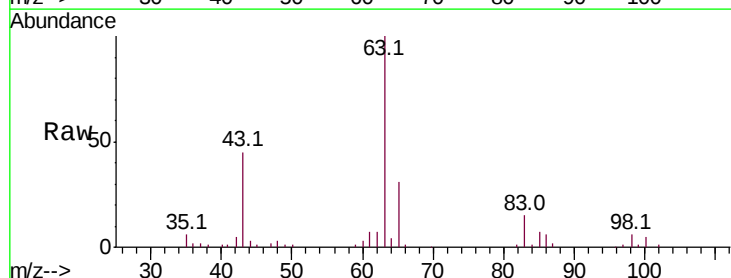
Tgt Ion: 63 Resp: 122722

Ion Ratio Lower Upper

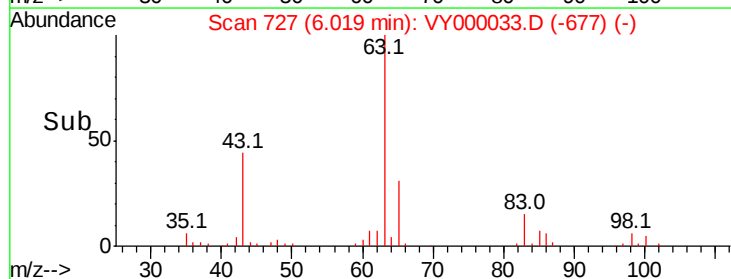
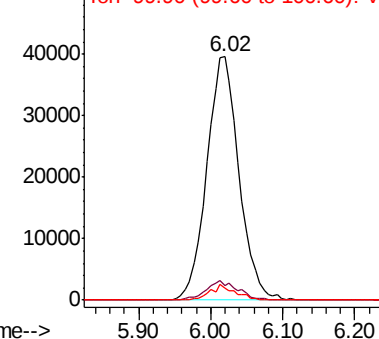
63 100

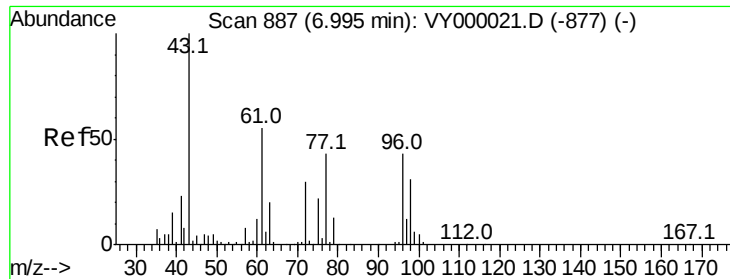
98 5.8 3.8 11.2

100 5.0 2.6 8.0



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





#25

2-Butanone

Concen: 245.575 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

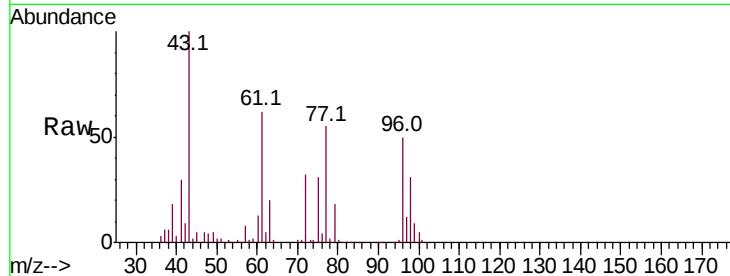
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 167853

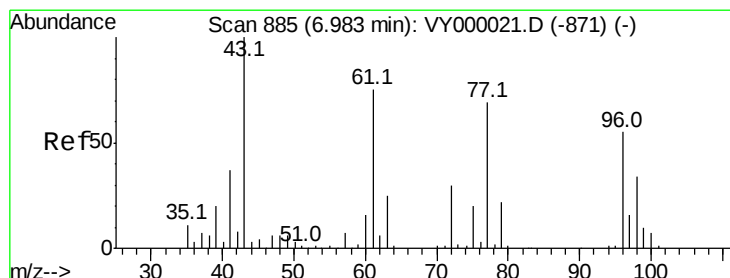
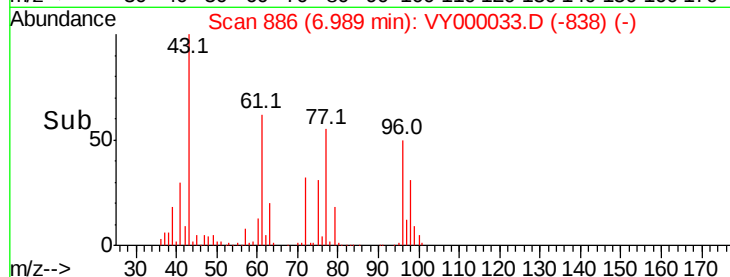
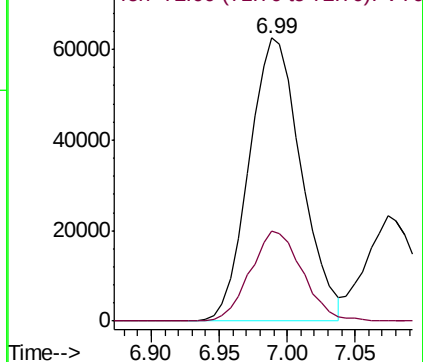
Ion Ratio Lower Upper

43 100

72 31.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 46.886 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000033.D

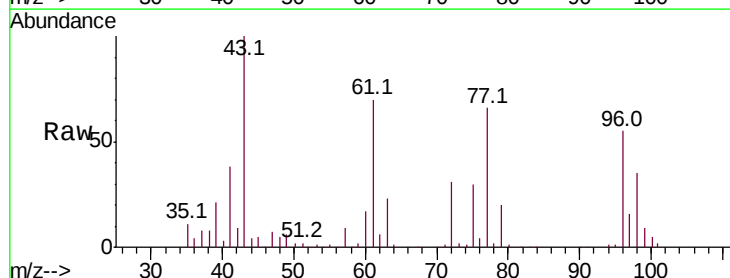
Acq: 13 Sep 2019 09:35

Tgt Ion: 77 Resp: 114786

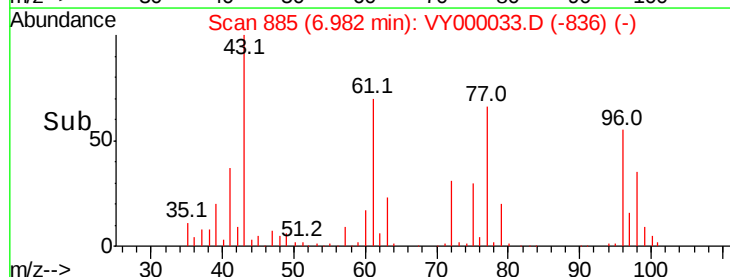
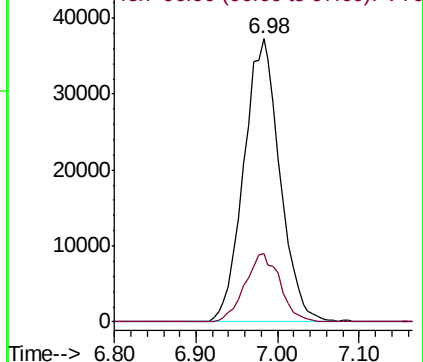
Ion Ratio Lower Upper

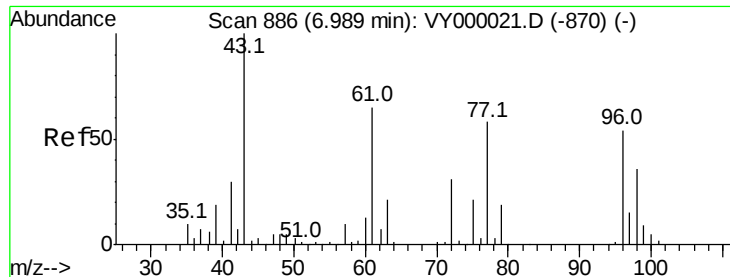
77 100

97 23.4 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0
Ion 96.90 (96.60 to 97.60): VY0



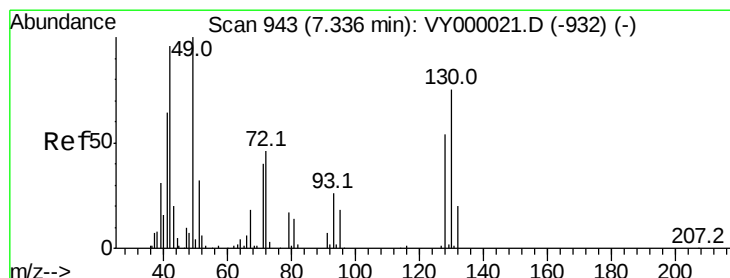
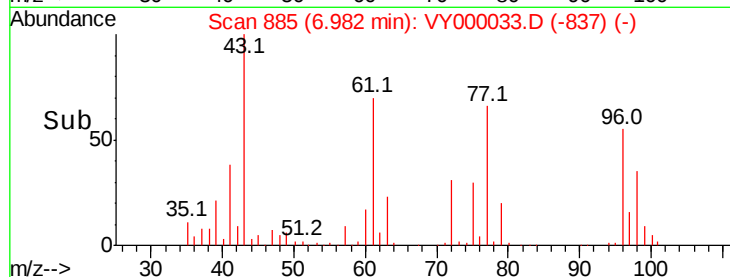
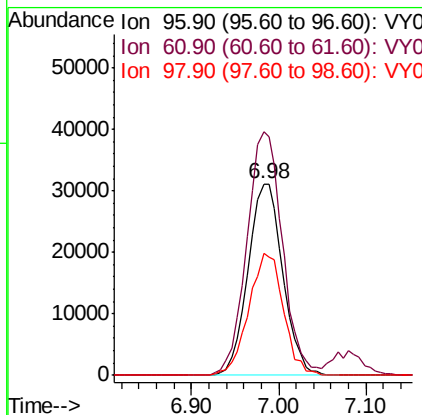
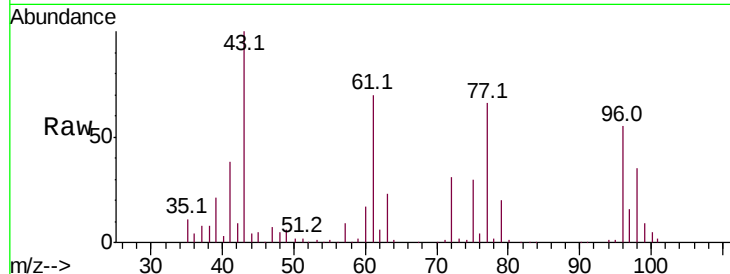


#27

cis-1,2-Dichloroethene
 Concen: 47.541 ug/l
 RT: 6.98 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Instrument :
 MSVOA_Y
 ClientSampled :

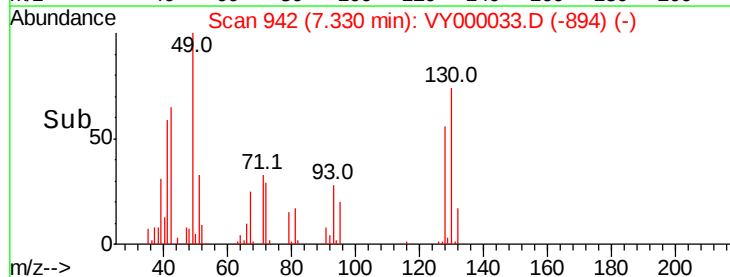
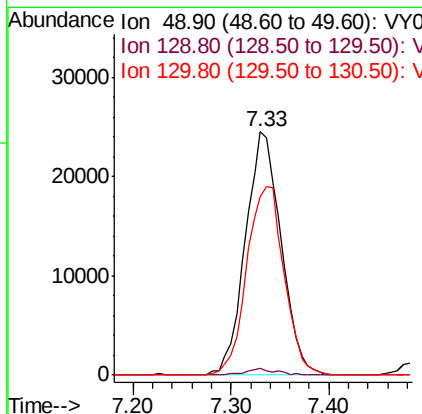
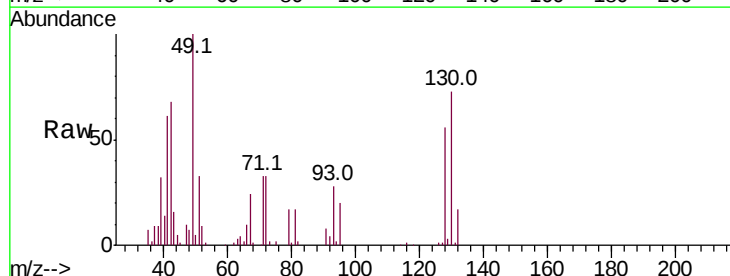
Tot Ion	96	Resp	86170
Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	259.2
98	63.4	0.0	127.4

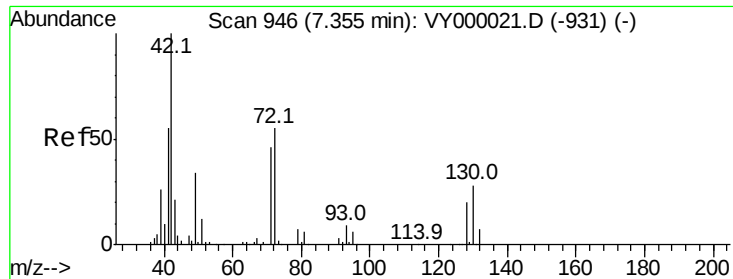


#28

Bromochloromethane
 Concen: 51.258 ug/l
 RT: 7.33 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion	49	Resp	62037
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	1.8#
130	81.0	62.5	93.7





#29

Tetrahydrofuran

Concen: 229.422 ug/l

RT: 7.35 min Scan# 945

Delta R.T. -0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

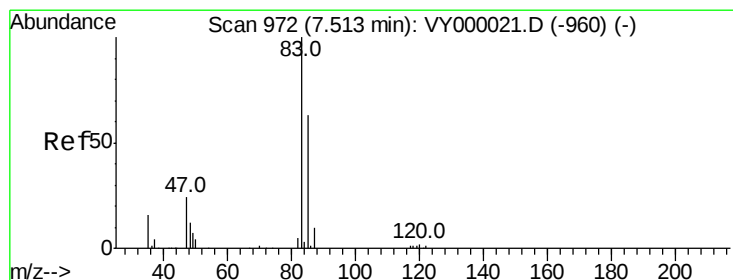
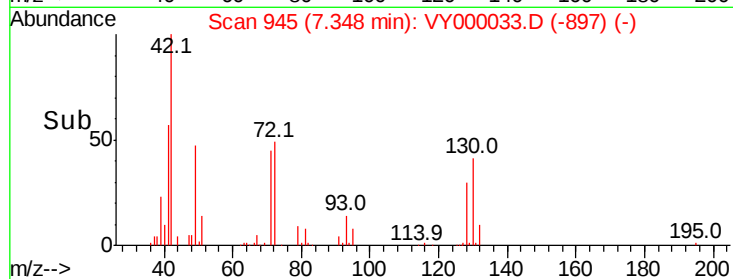
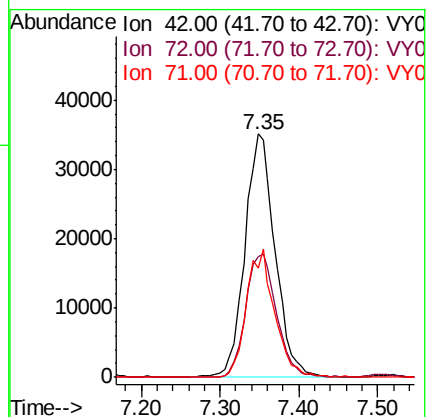
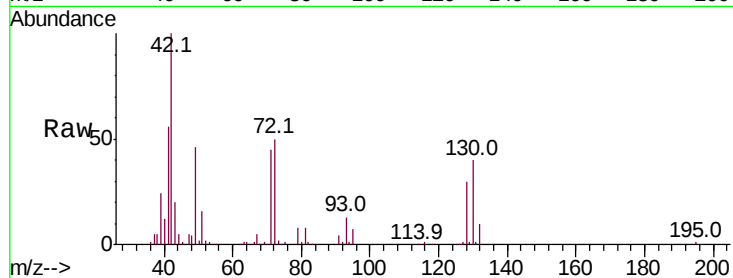
Tot Ion: 42 Resp: 93283

Ion Ratio Lower Upper

42 100

72 51.6 41.1 61.7

71 49.3 36.5 54.7



#30

Chloroform

Concen: 47.214 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.01 min

Lab File: VY000033.D

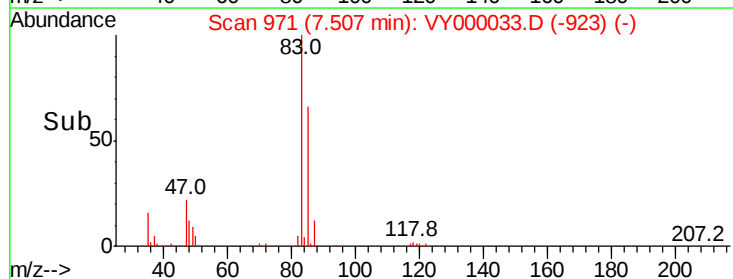
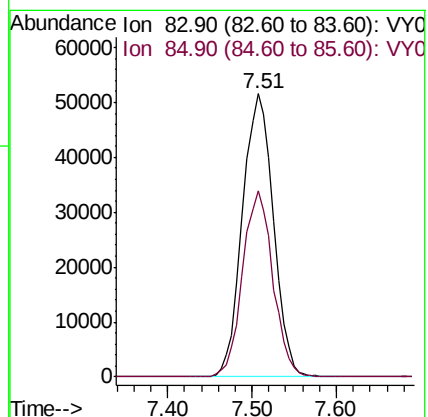
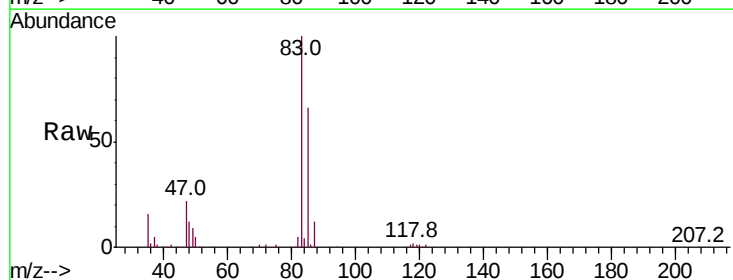
Acq: 13 Sep 2019 09:35

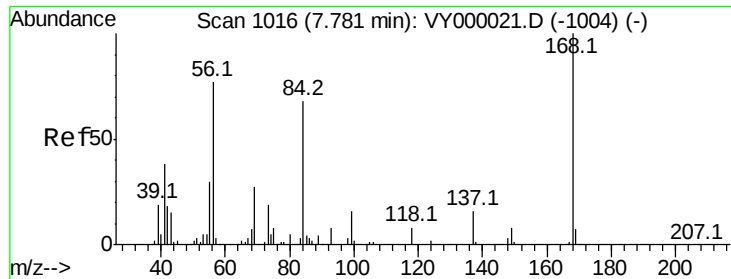
Tgt Ion: 83 Resp: 128310

Ion Ratio Lower Upper

83 100

85 65.5 50.6 76.0

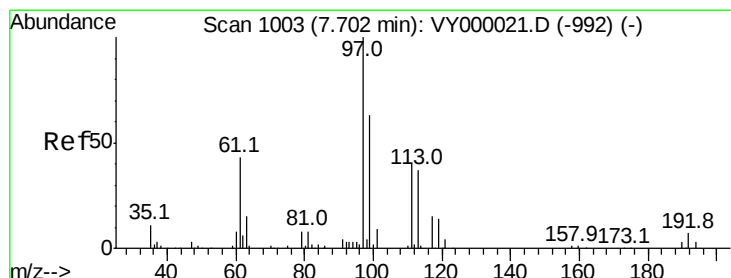
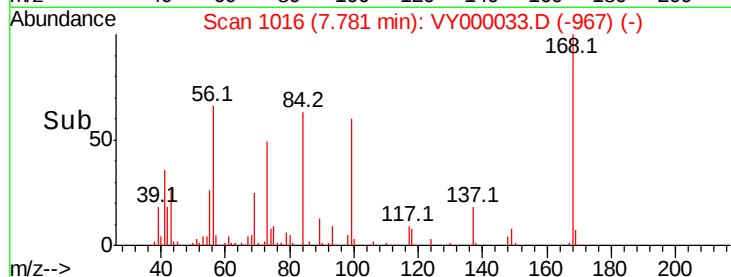
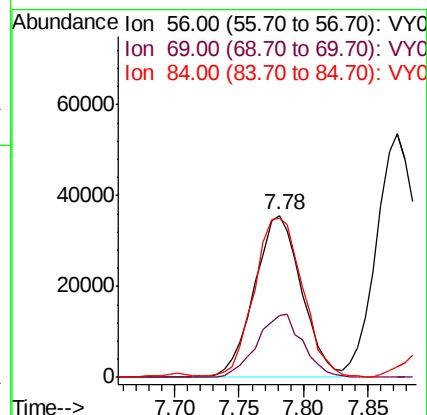
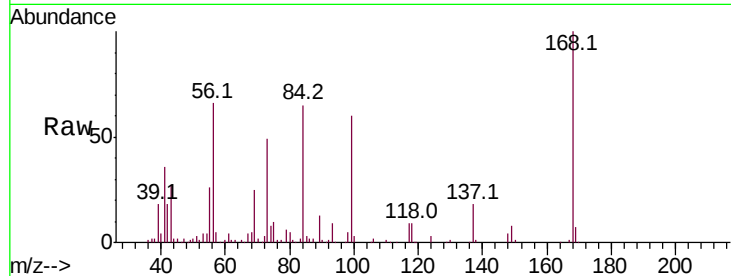




#31
Cyclohexane
Concen: 46.612 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

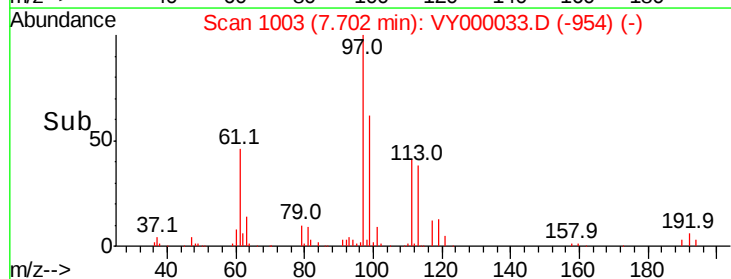
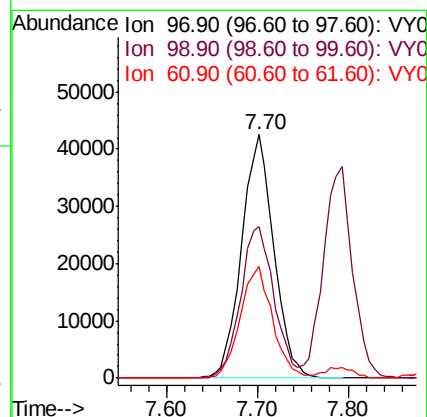
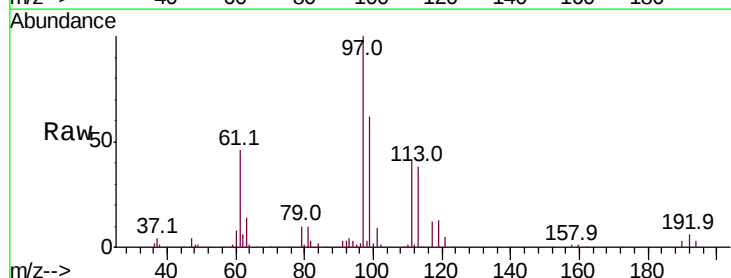
Instrument :
MSVOA_Y
ClientSampled :

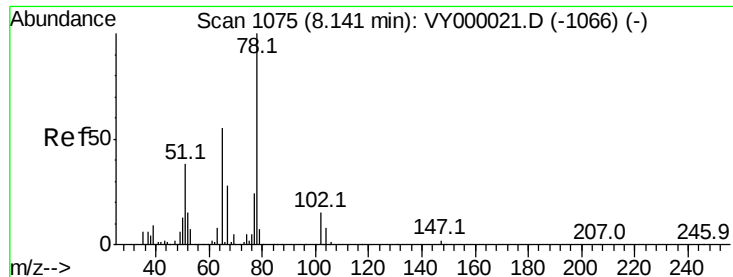
Tot Ion: 56 Resp: 90818
Ion Ratio Lower Upper
56 100
69 38.1 28.0 42.0
84 96.9 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 46.966 ug/l
RT: 7.70 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion: 97 Resp: 104701
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 46.1 35.7 53.5

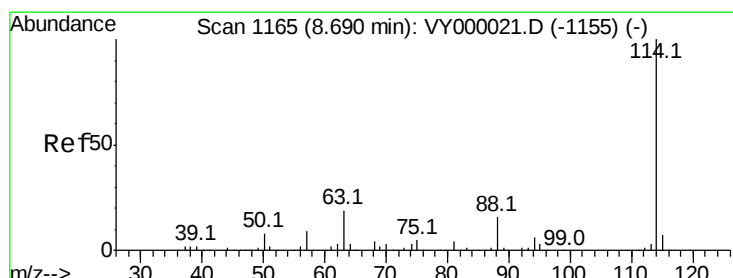
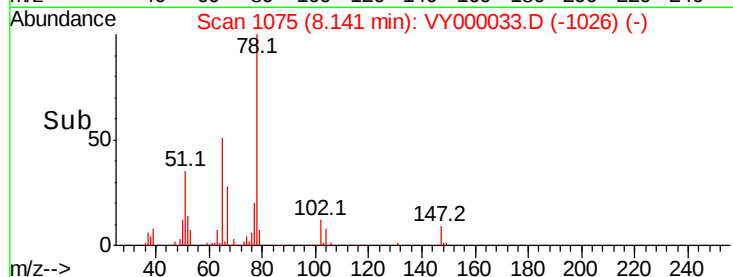
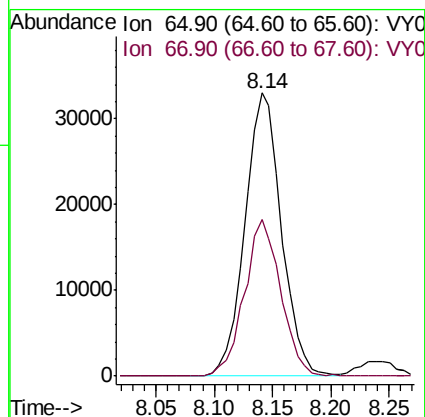
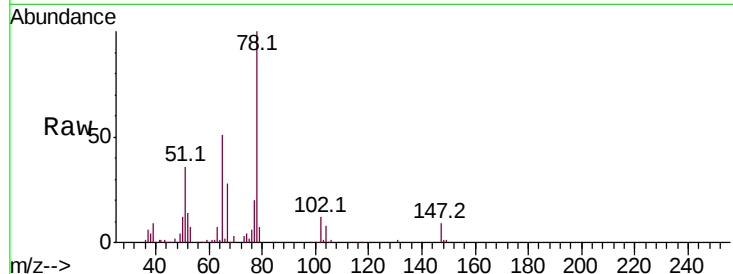




#33
 1,2-Dichloroethane-d4
 Concen: 47.318 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

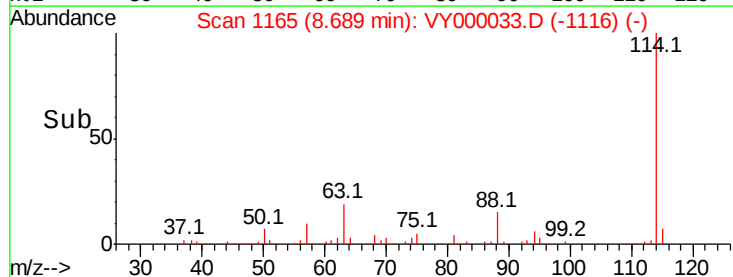
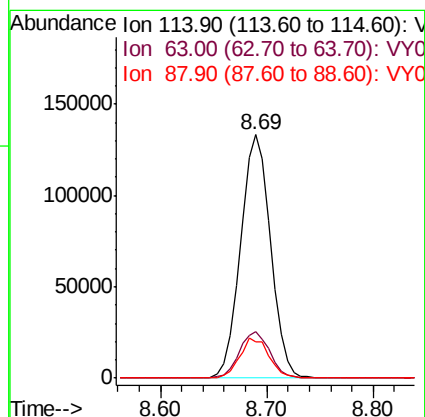
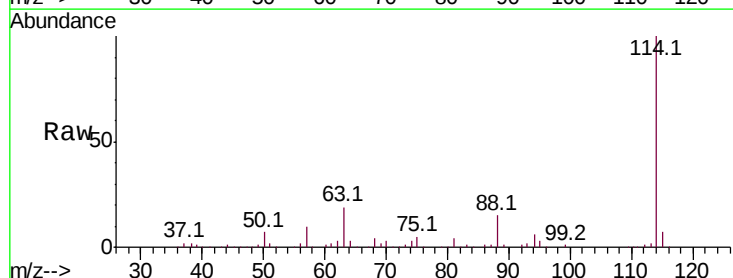
Instrument :
 MSVOA_Y
 ClientSampleId :

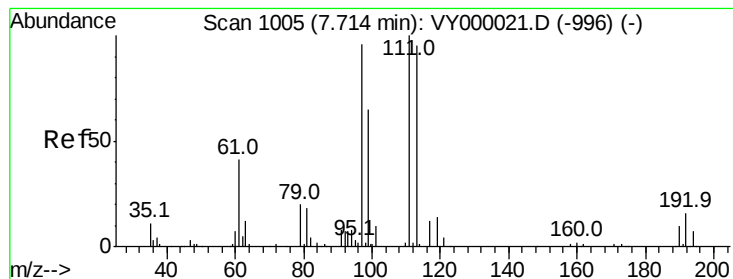
Tot Ion: 65 Resp: 71763
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion: 114 Resp: 263539
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.043 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

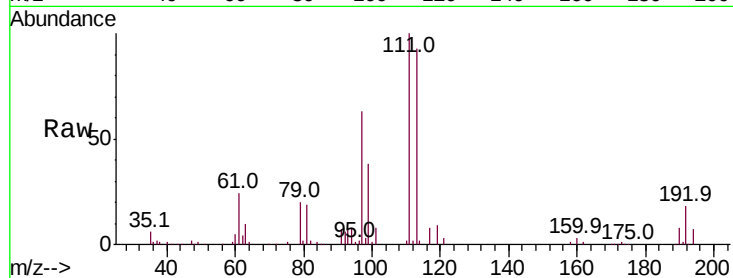
Tot Ion:113 Resp: 71124

Ion Ratio Lower Upper

113 100

111 102.2 83.9 125.9

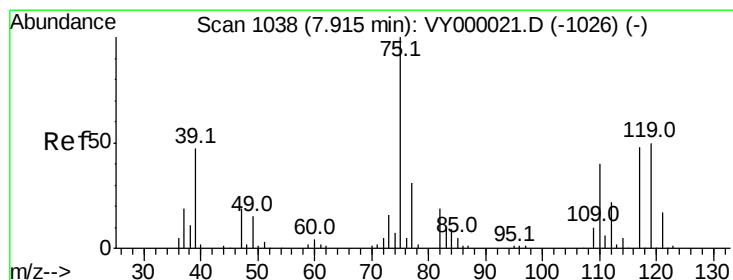
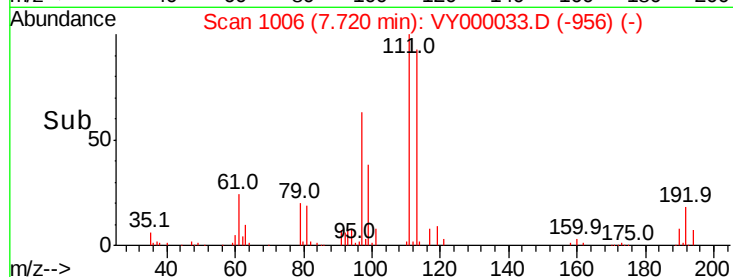
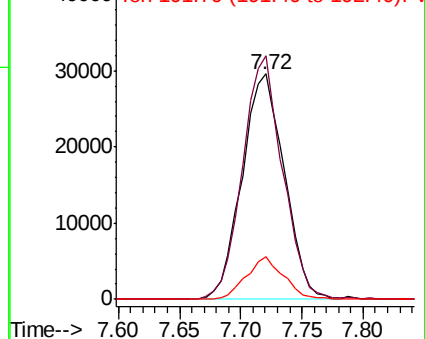
192 16.6 14.5 21.7



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: 46.123 ug/l

RT: 7.92 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

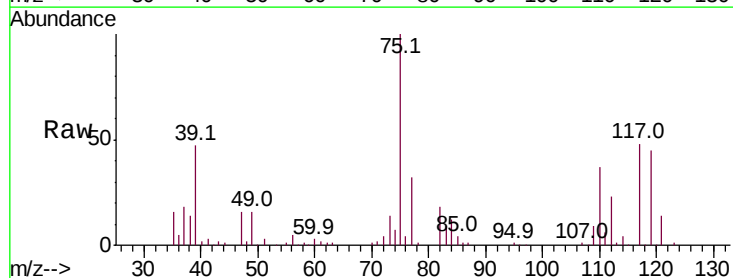
Tgt Ion: 75 Resp: 89245

Ion Ratio Lower Upper

75 100

110 36.4 18.6 55.8

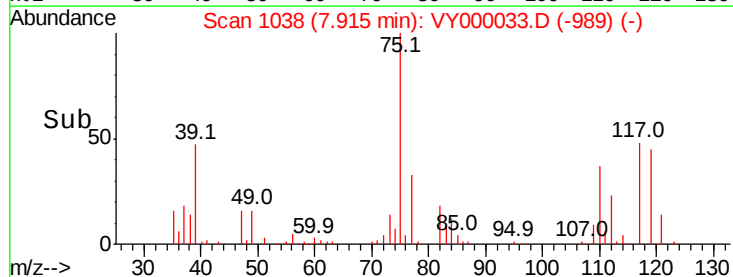
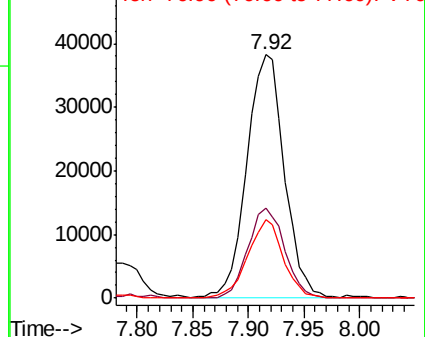
77 30.9 24.4 36.6

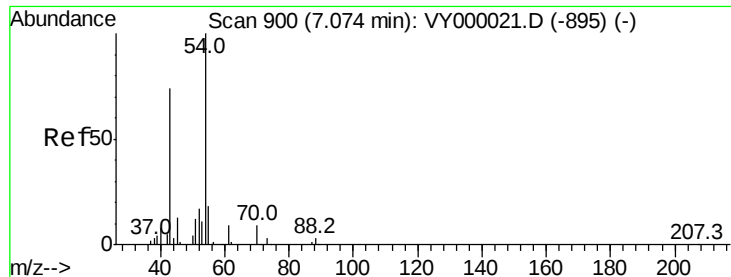


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 47.066 ug/l

RT: 7.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :
MSVOA_Y
ClientSampleId :

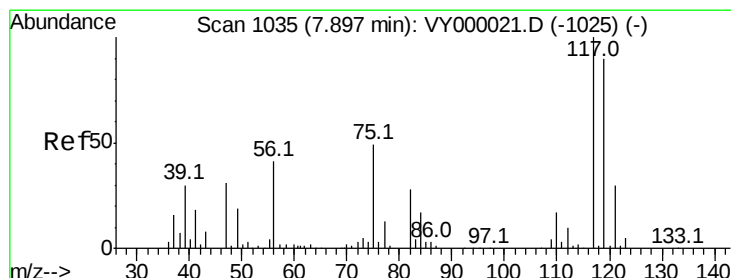
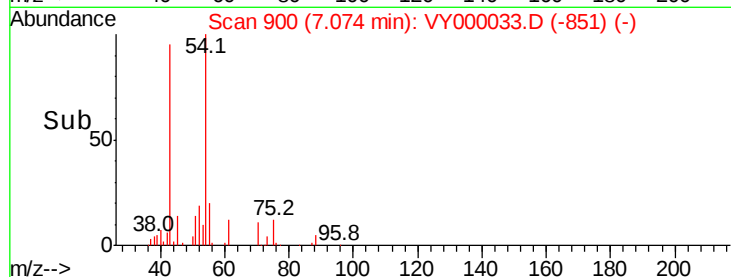
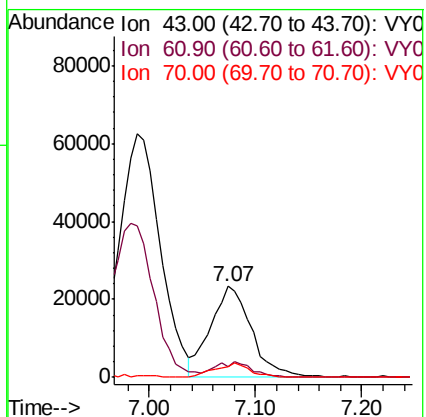
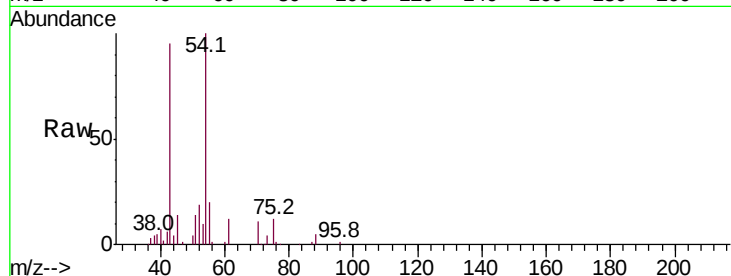
Tot Ion: 43 Resp: 61412

Ion Ratio Lower Upper

43 100

61 15.8 13.1 19.7

70 13.7 10.9 16.3



#38

Carbon Tetrachloride

Concen: 47.352 ug/l

RT: 7.90 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

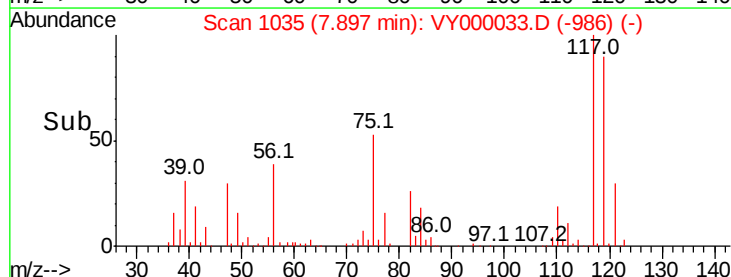
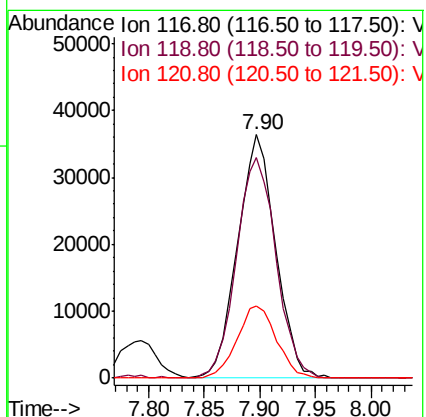
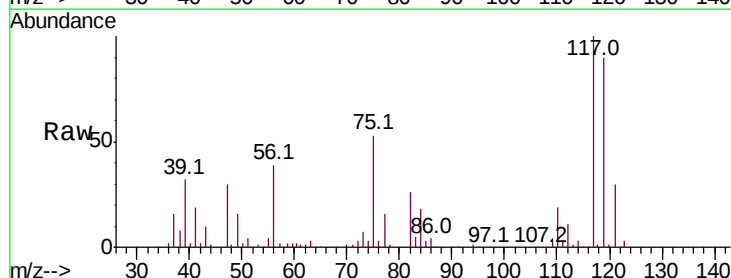
Tgt Ion: 117 Resp: 86486

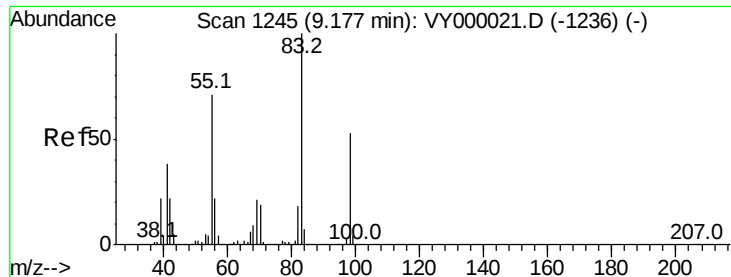
Ion Ratio Lower Upper

117 100

119 90.4 72.1 108.1

121 29.7 23.9 35.9

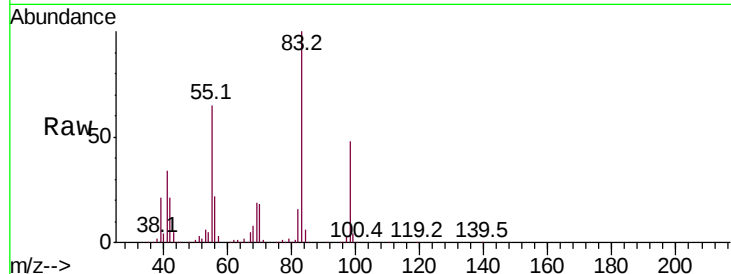




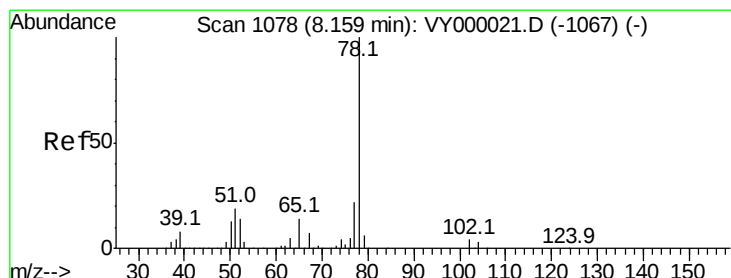
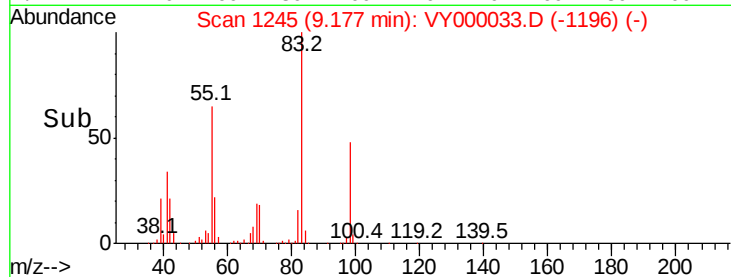
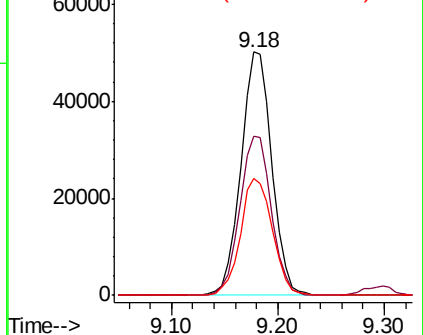
#39
Methylvlcvclohexane
Concen: 42.621 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 101891
Ion Ratio Lower Upper
83 100
55 65.2 57.0 85.4
98 48.1 42.0 63.0

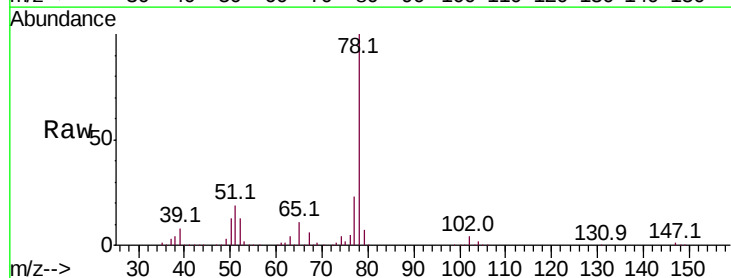


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

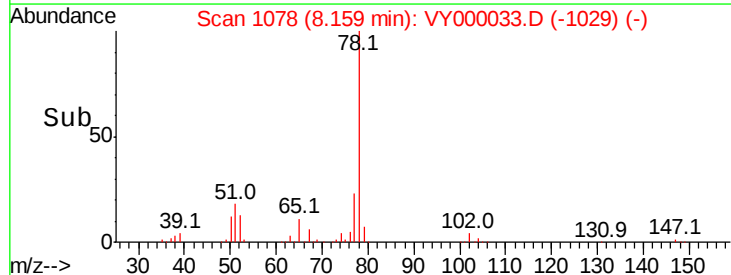
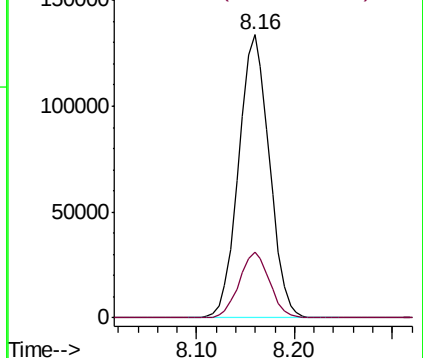


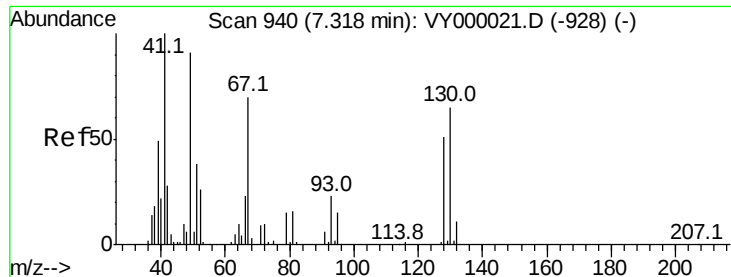
#40
Benzene
Concen: 46.250 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion: 78 Resp: 291356
Ion Ratio Lower Upper
78 100
77 23.4 17.8 26.6



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

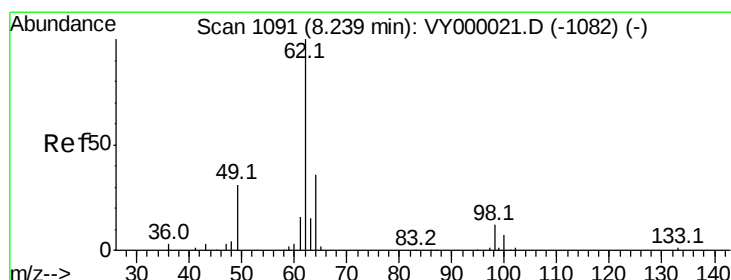
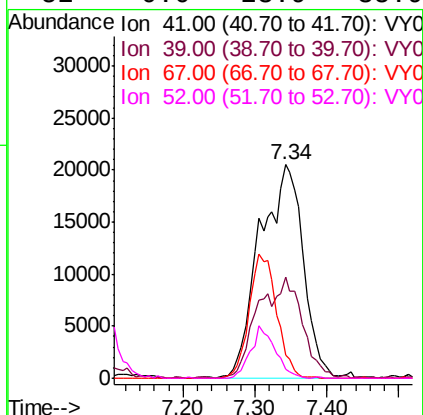
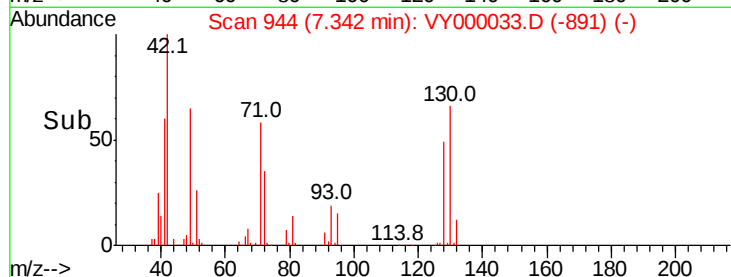
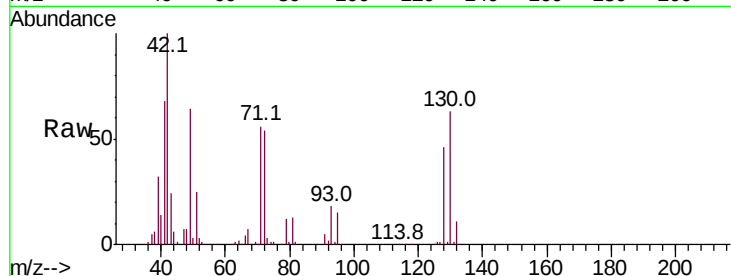




#41
Methacrylonitrile
Concen: 112.759 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.02 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

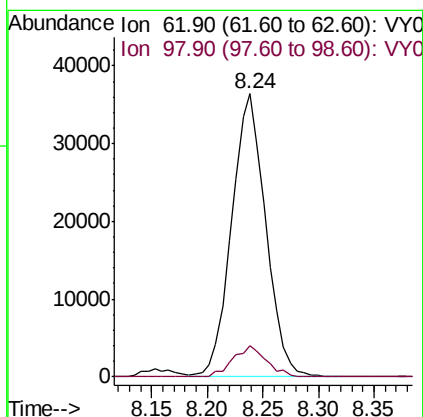
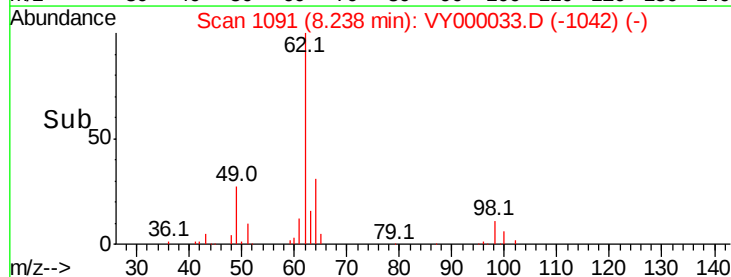
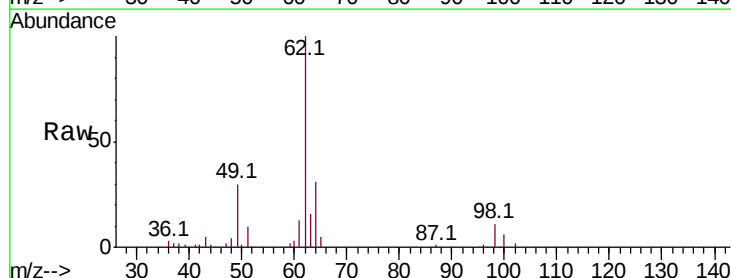
Instrument :
MSVOA_Y
ClientSampleId :

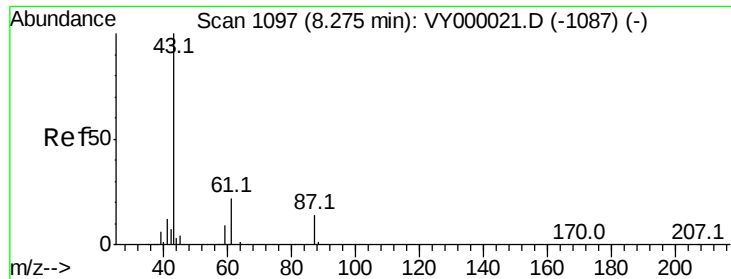
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.8	62.6#
67	0.0	65.8	98.6#
52	0.0	23.9	35.9#



#42
1,2-Dichloroethane
Concen: 47.969 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	23.2





#43

Isopropyl Acetate

Concen: 46.579 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampled :

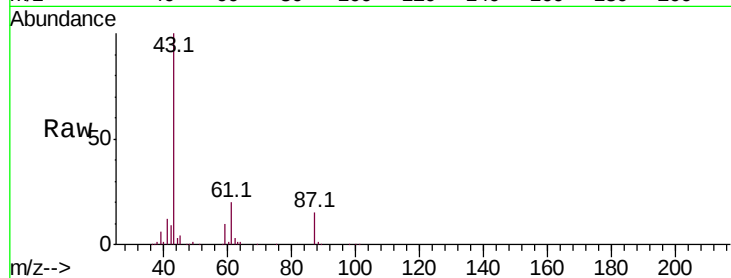
Tot Ion: 43 Resp: 117774

Ion Ratio Lower Upper

43 100

61 29.7 24.9 37.3

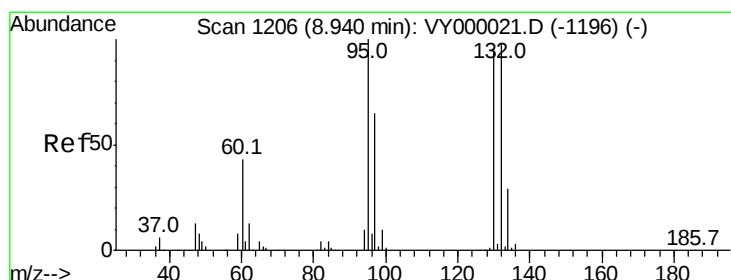
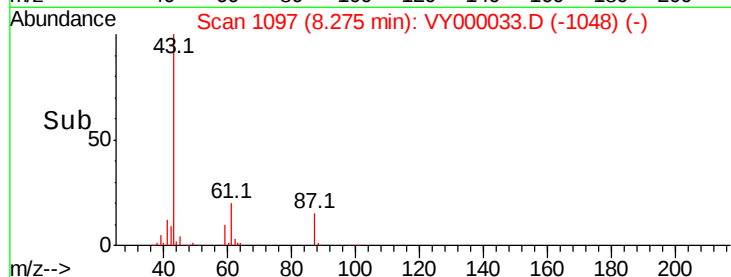
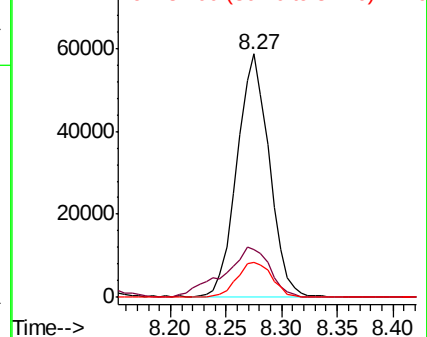
87 15.8 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VY000021.D (-1087) (-)

Ion 61.00 (60.70 to 61.70): VY000021.D (-1087) (-)

Ion 87.00 (86.70 to 87.70): VY000021.D (-1087) (-)



#44

Trichloroethene

Concen: 47.772 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000033.D

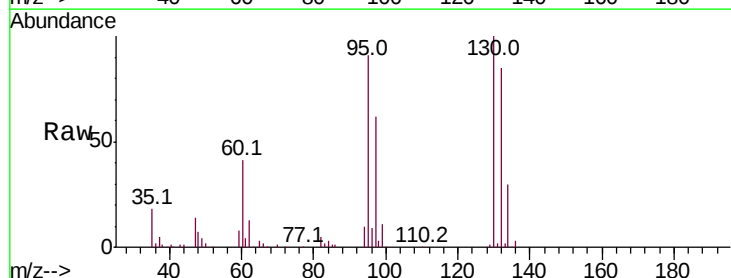
Acq: 13 Sep 2019 09:35

Tgt Ion: 130 Resp: 75143

Ion Ratio Lower Upper

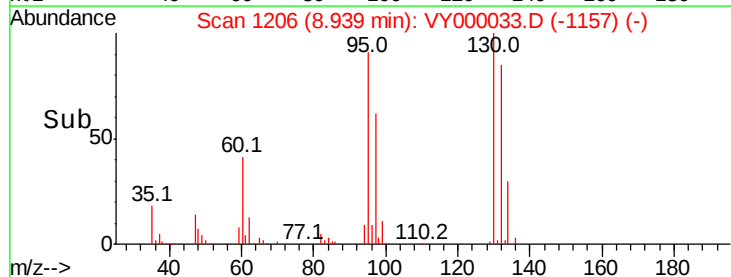
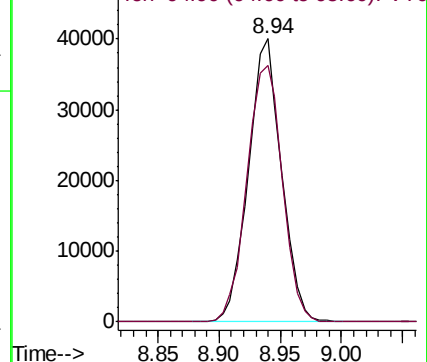
130 100

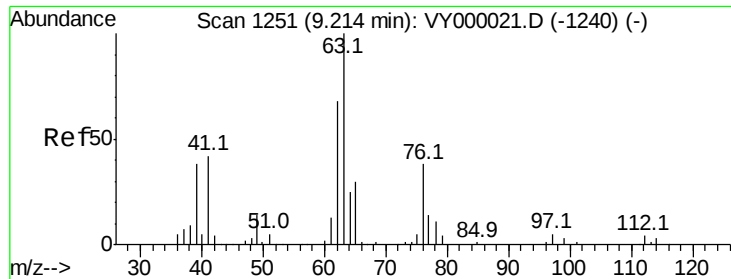
95 90.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VY000021.D (-1196) (-)

Ion 94.90 (94.60 to 95.60): VY000021.D (-1196) (-)

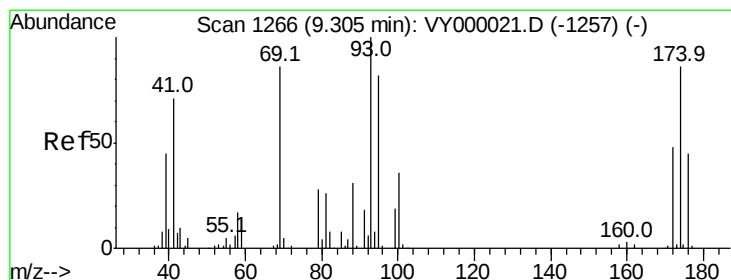
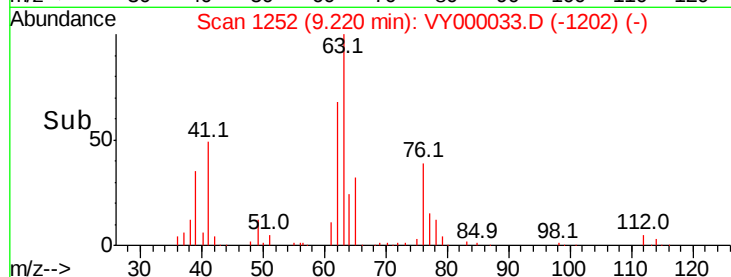
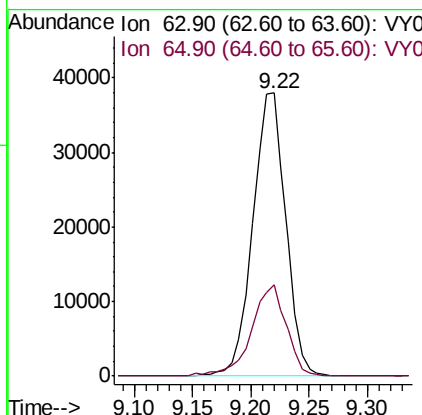
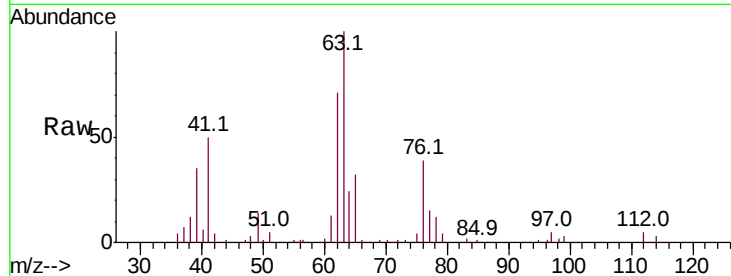




#45
 1,2-Dichloropropane
 Concen: 46.178 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

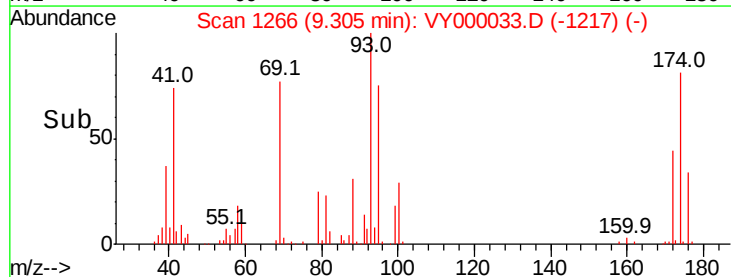
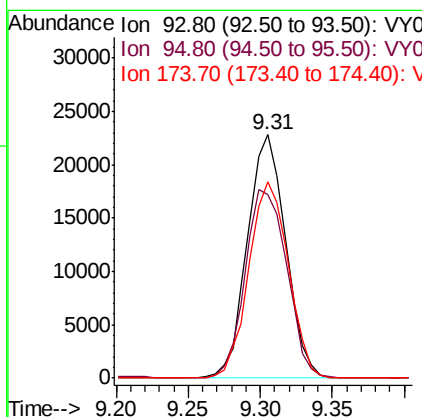
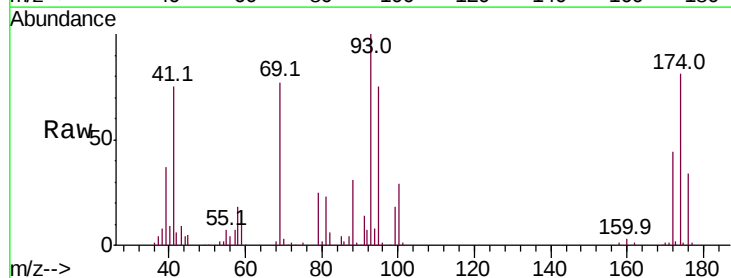
Instrument :
 MSVOA_Y
 ClientSampled :

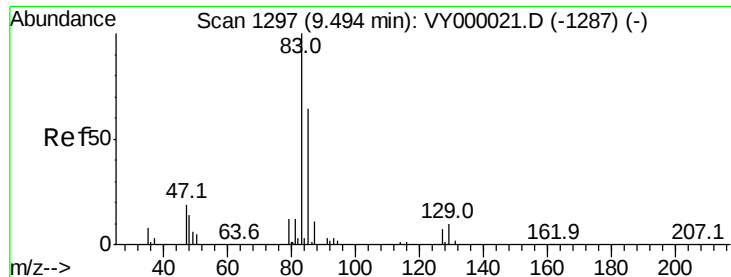
Tot Ion: 63 Resp: 75011
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.1 36.1



#46
 Dibromomethane
 Concen: 46.599 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion: 93 Resp: 42009
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.0 100.6
 174 83.3 68.8 103.2





#47

Bromodichloromethane

Concen: 46.671 ug/l

RT: 9.49 min Scan# 1297

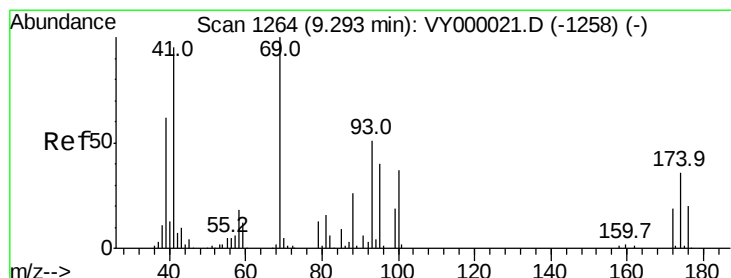
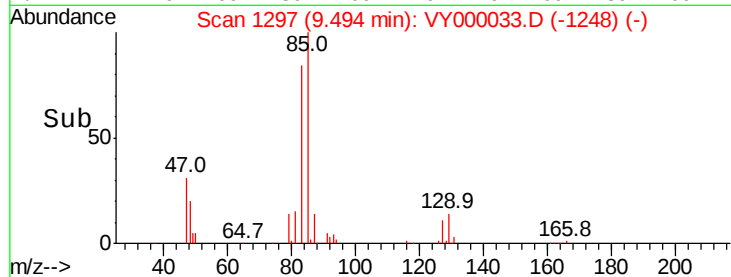
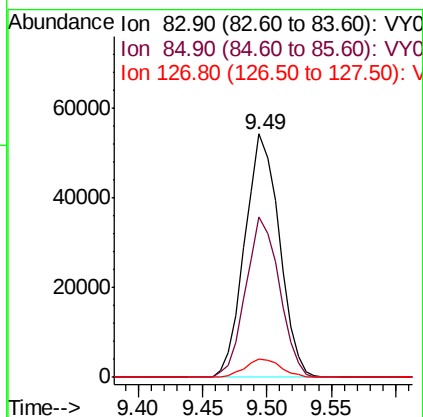
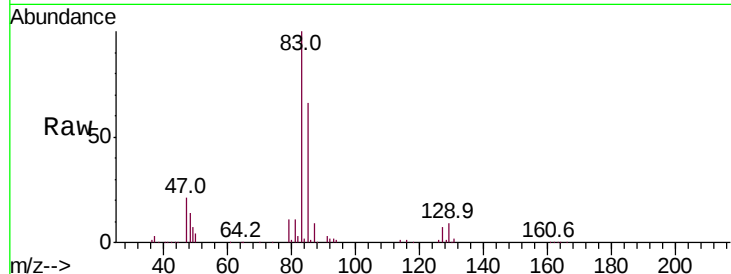
Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	83	Resp:	100437
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2
127	7.5	5.4	8.2



#48

Methyl methacrylate

Concen: 48.048 ug/l

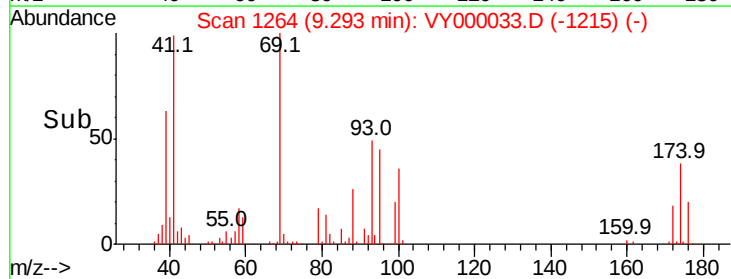
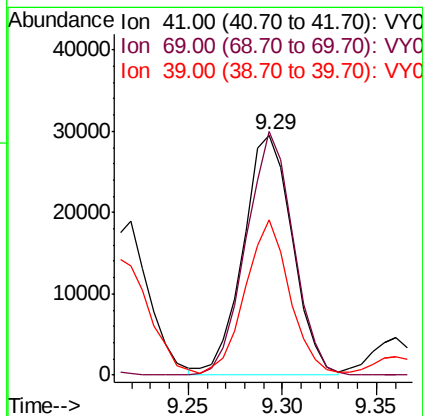
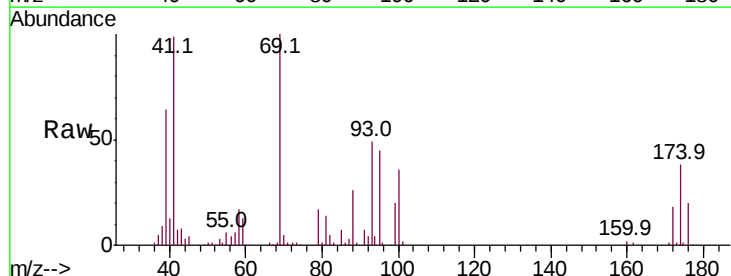
RT: 9.29 min Scan# 1264

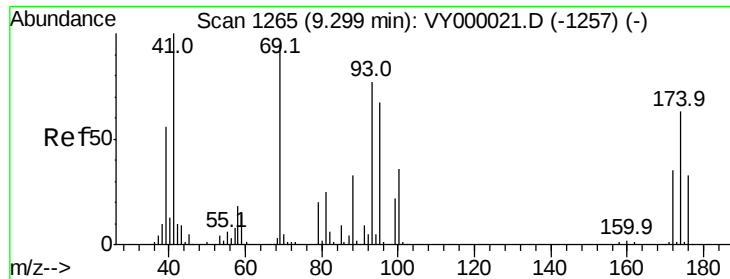
Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Tgt Ion:	41	Resp:	53609
Ion	Ratio	Lower	Upper
41	100		
69	96.9	79.7	119.5
39	58.9	48.6	72.8

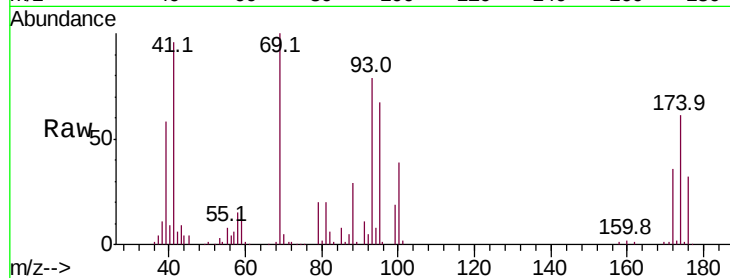




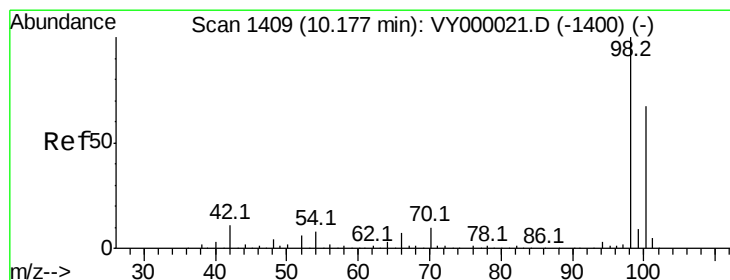
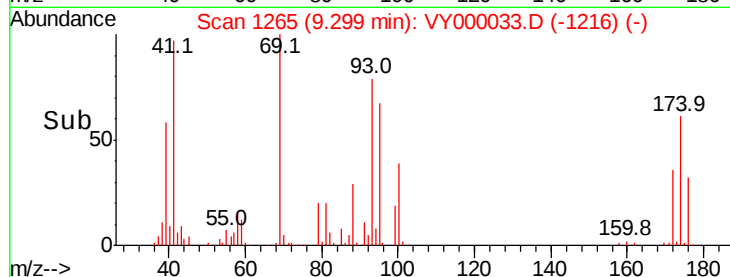
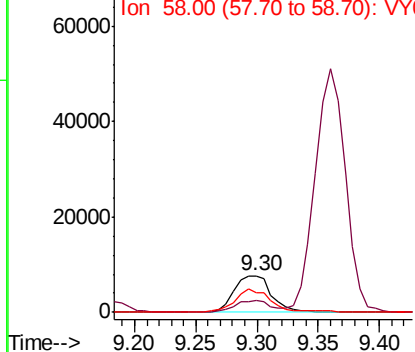
#49
1,4-Dioxane
Concen: 852.294 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 16091
Ion Ratio Lower Upper
88 100
43 33.1 24.6 37.0
58 59.5 52.7 79.1

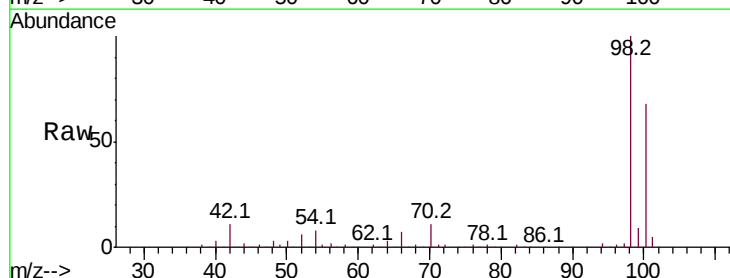


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

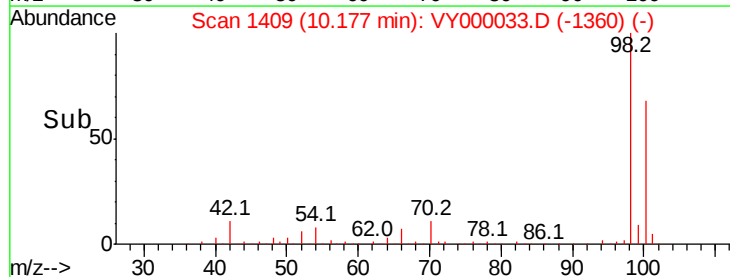
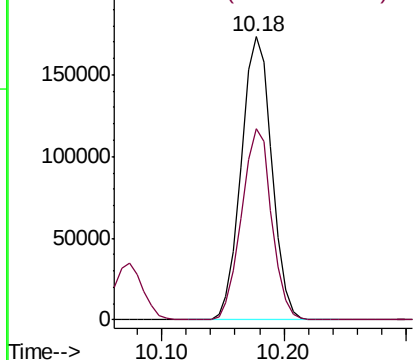


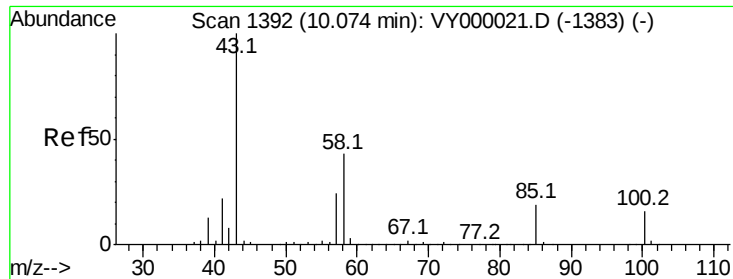
#50
Toluene-d8
Concen: 49.245 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion: 98 Resp: 299771
Ion Ratio Lower Upper
98 100
100 66.6 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: 236.074 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

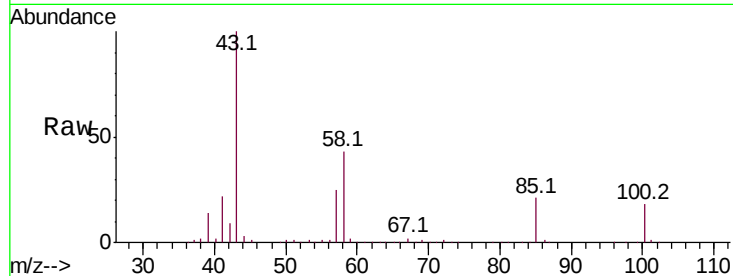
ClientSampled :

Tot Ion: 43 Resp: 334470

Ion Ratio Lower Upper

43 100

58 42.3 34.1 51.1



Abundance Ion 43.00 (42.70 to 43.70): VY000021.D (-1383) (-)

Ion 58.00 (57.70 to 58.70): VY000021.D (-1383) (-)

10.07

200000

150000

100000

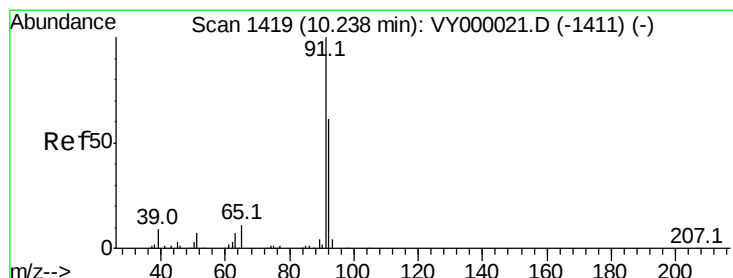
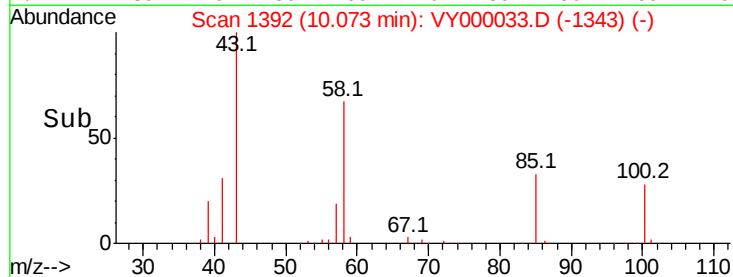
50000

0

10.00

10.10

Time-->



#52

Toluene

Concen: 46.367 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VY000033.D

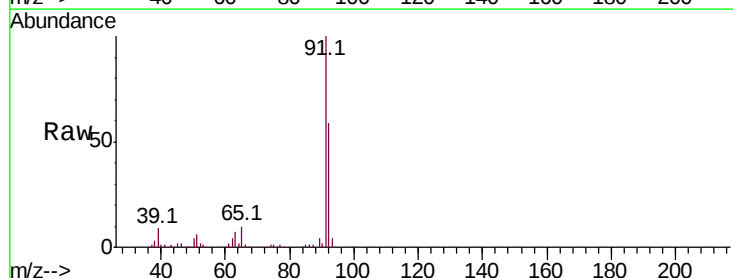
Acq: 13 Sep 2019 09:35

Tgt Ion: 92 Resp: 183543

Ion Ratio Lower Upper

92 100

91 171.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY000021.D (-1411) (-)

Ion 91.00 (90.70 to 91.70): VY000021.D (-1411) (-)

10.24

200000

150000

100000

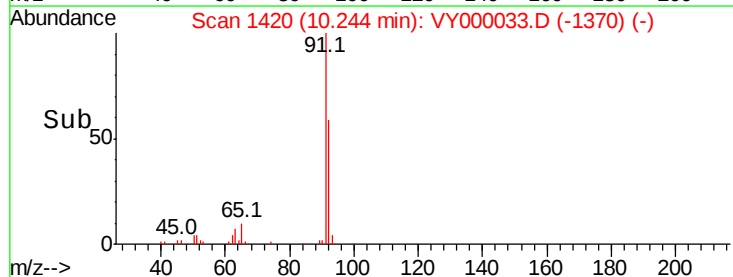
50000

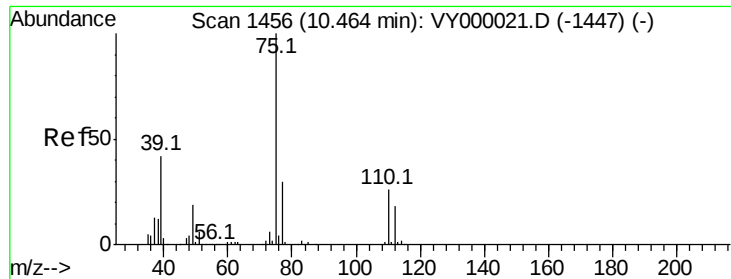
0

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.247 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

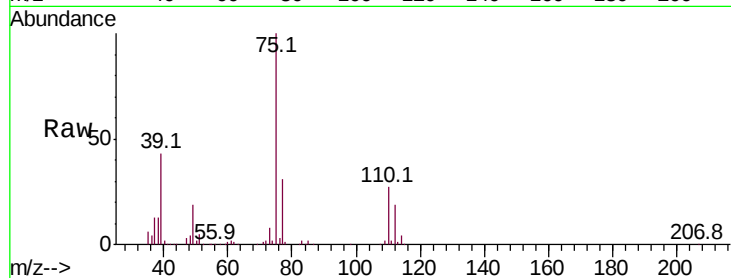
ClientSampleId :

Tot Ion: 75 Resp: 106903

Ion Ratio Lower Upper

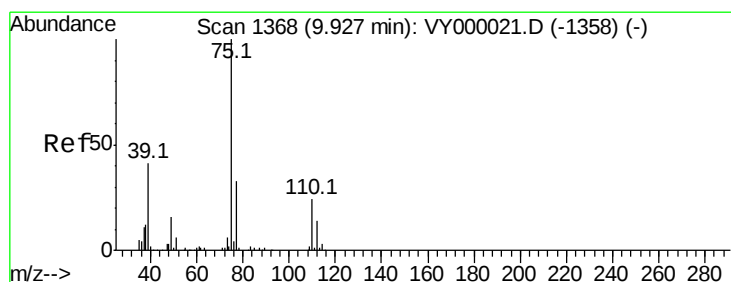
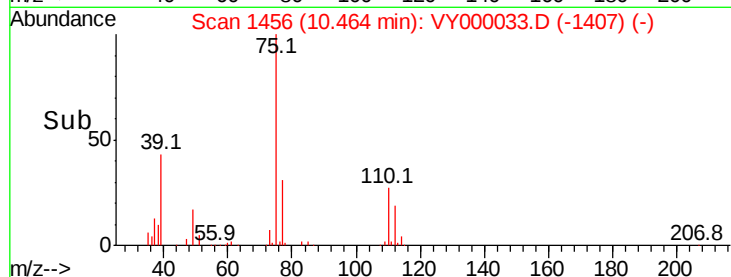
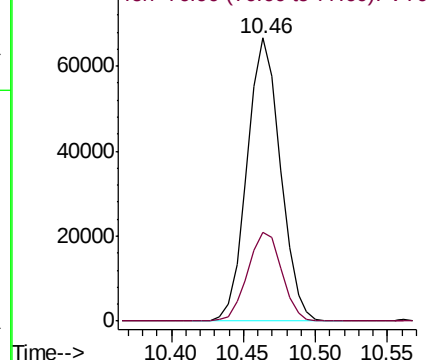
75 100

77 31.4 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: 47.560 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

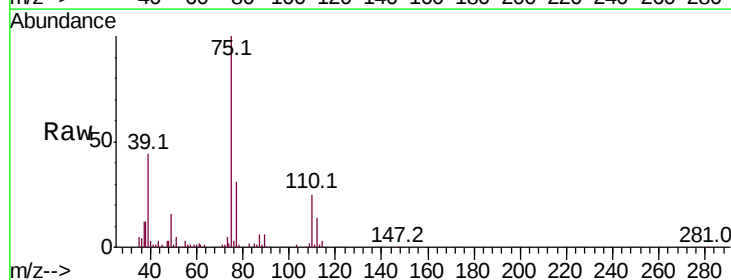
Tgt Ion: 75 Resp: 125219

Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5

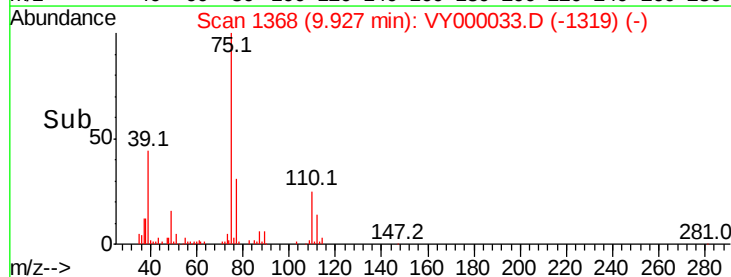
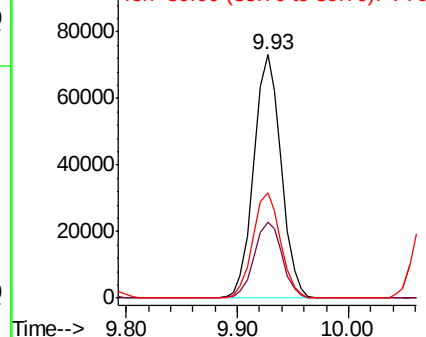
39 43.5 32.9 49.3

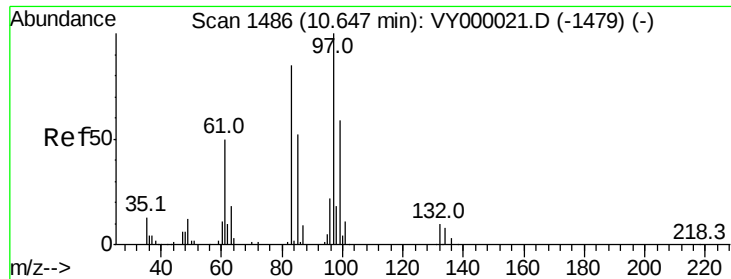


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 47.330 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 67616

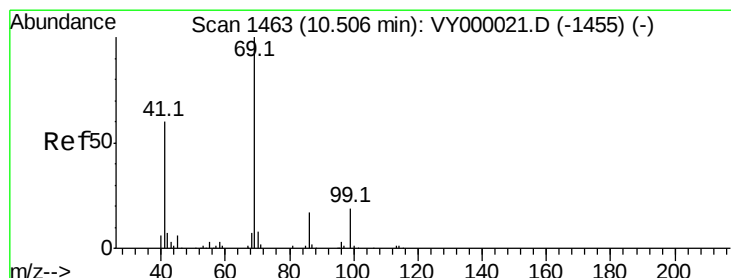
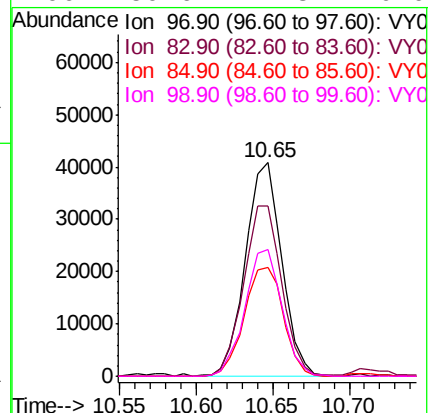
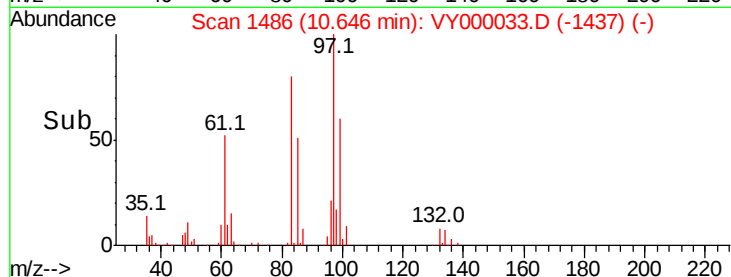
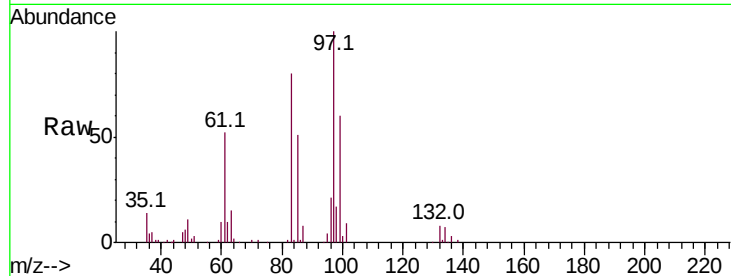
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.2	102.2
85	50.9	41.7	62.5
99	59.6	47.3	70.9

97 100

83 79.8 68.2 102.2

85 50.9 41.7 62.5

99 59.6 47.3 70.9



#56

Ethyl methacrylate

Concen: 47.554 ug/l

RT: 10.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

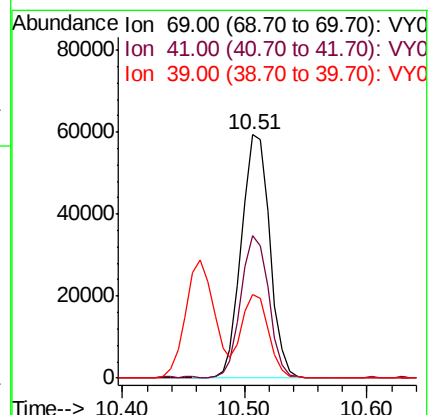
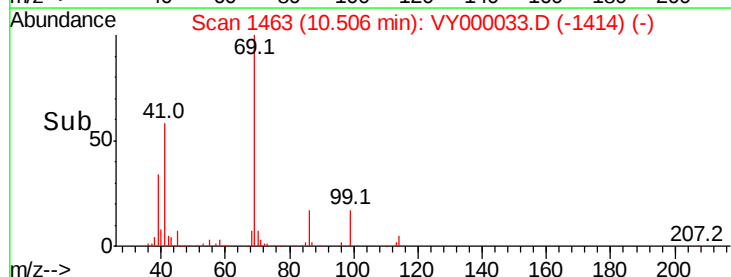
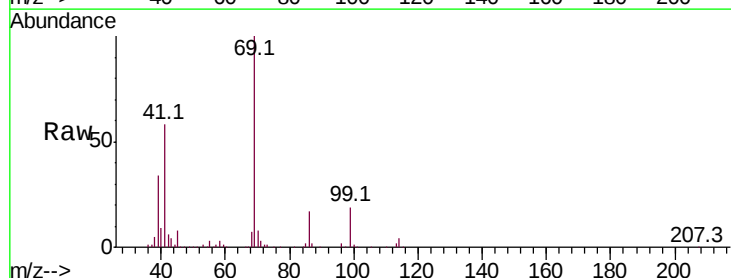
Tgt Ion: 69 Resp: 95343

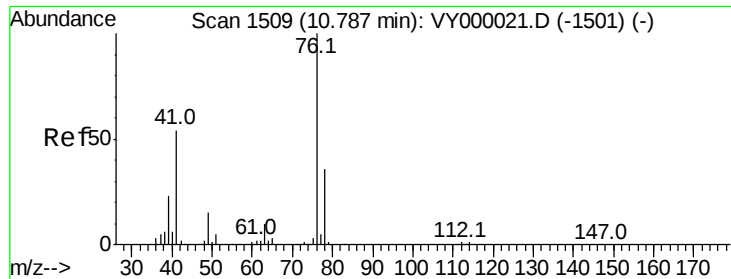
Ion	Ratio	Lower	Upper
69	100		
41	57.7	47.0	70.4
39	32.8	26.4	39.6

69 100

41 57.7 47.0 70.4

39 32.8 26.4 39.6





#57

1,3-Dichloropropane

Concen: 48.124 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

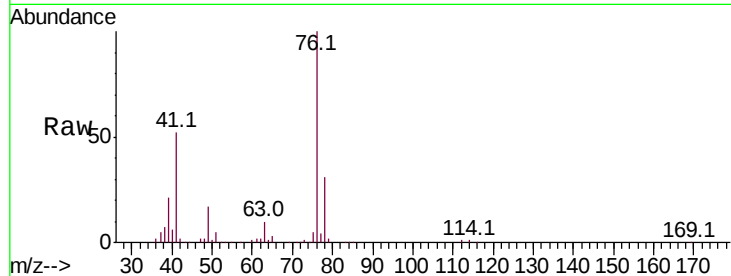
ClientSampleId :

Tot Ion: 76 Resp: 109948

Ion Ratio Lower Upper

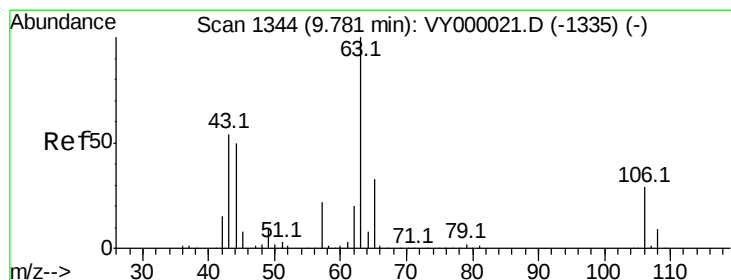
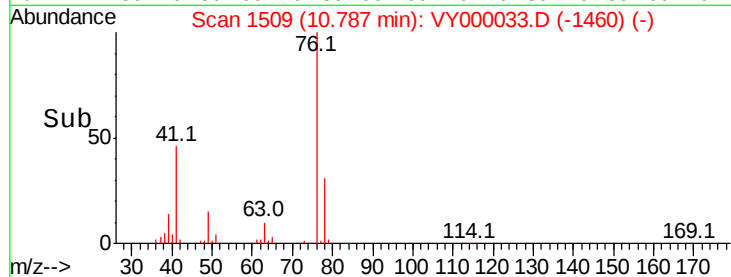
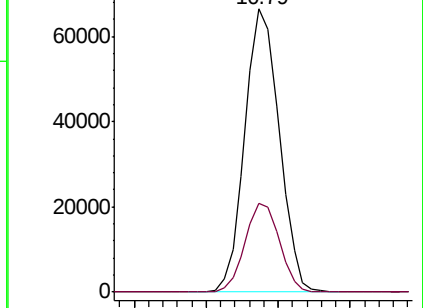
76 100

78 31.4 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: 236.939 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000033.D

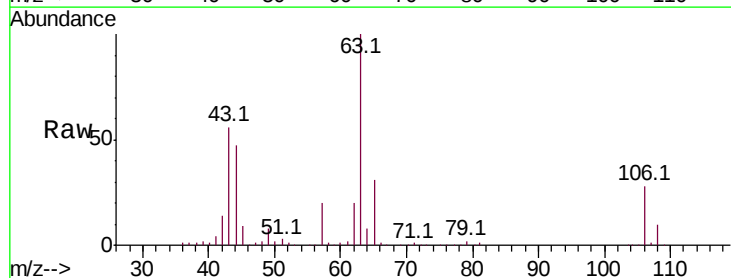
Acq: 13 Sep 2019 09:35

Tgt Ion: 63 Resp: 260218

Ion Ratio Lower Upper

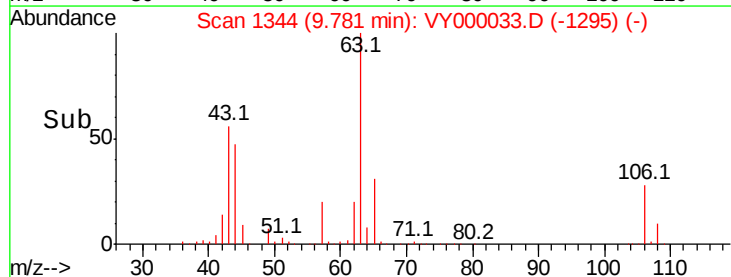
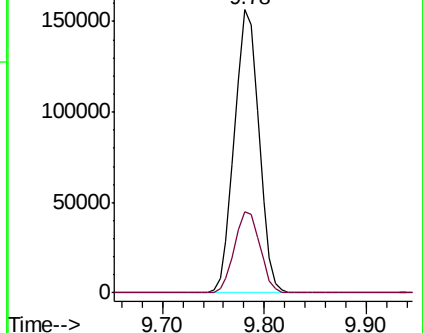
63 100

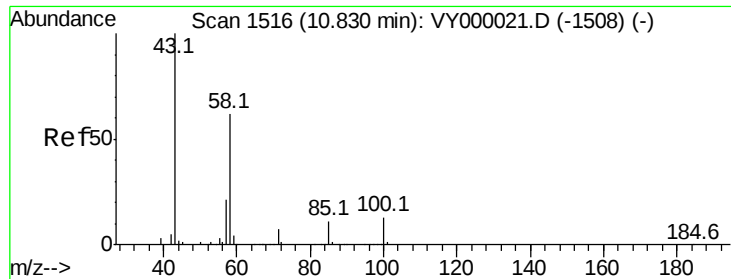
106 29.7 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

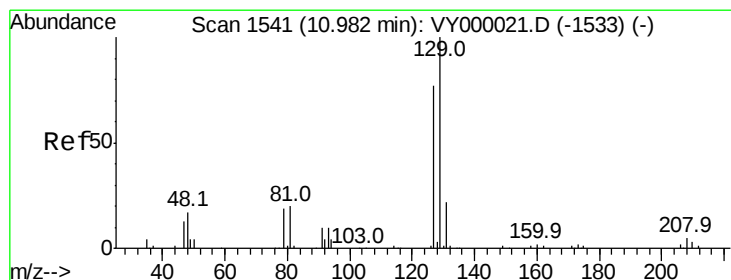
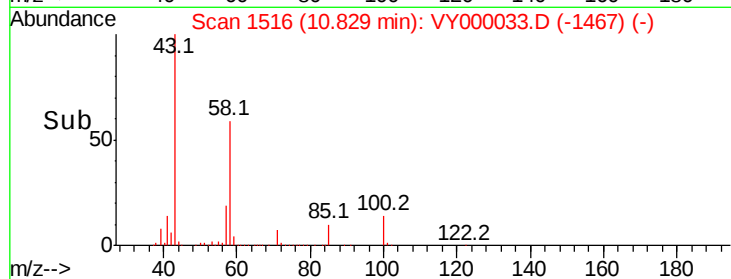
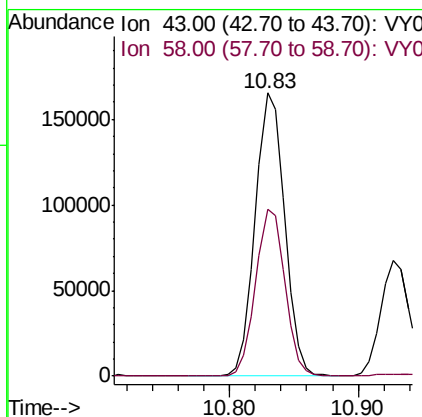
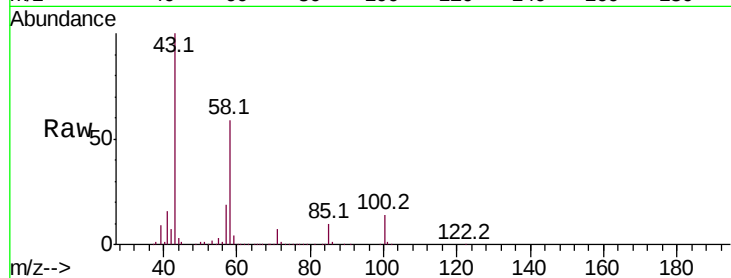




#59
2-Hexanone
Concen: 254.211 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

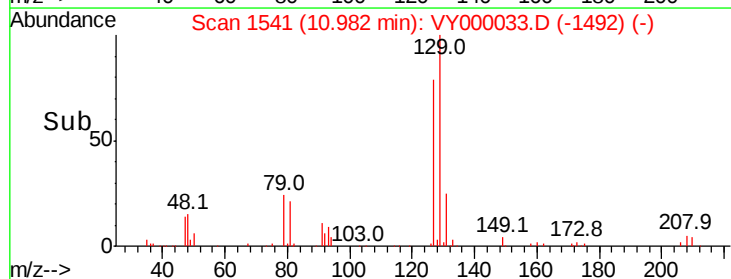
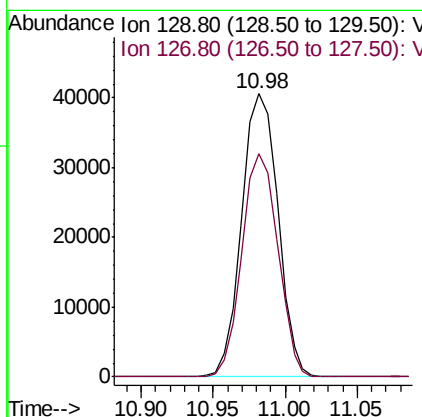
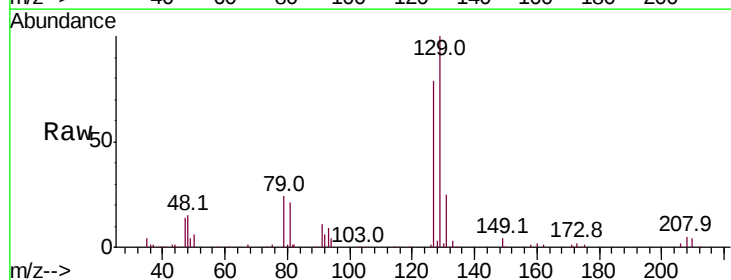
Instrument :
MSVOA_Y
ClientSampleId :

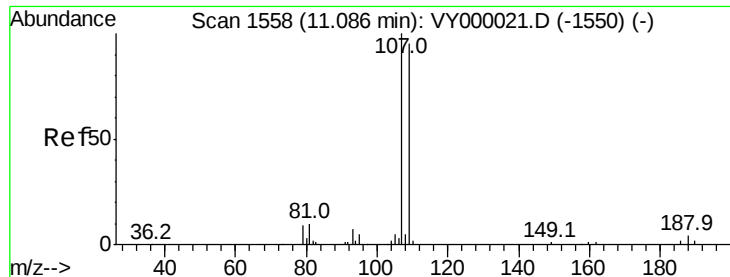
Tot Ion: 43 Resp: 259547
Ion Ratio Lower Upper
43 100
58 58.9 30.3 90.8



#60
Dibromochloromethane
Concen: 47.263 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion: 129 Resp: 71145
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.2

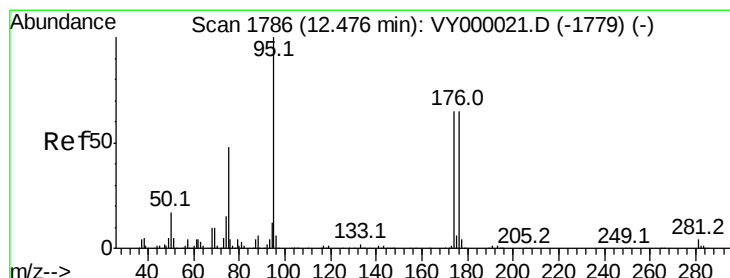
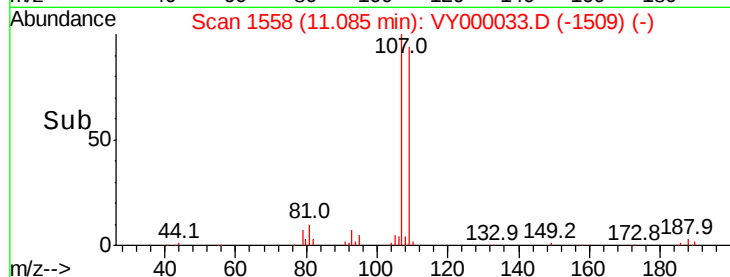
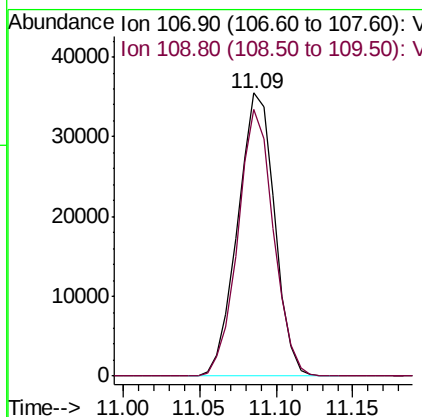
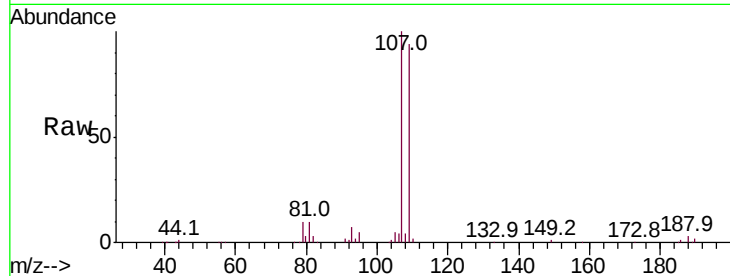




#61
 1,2-Dibromoethane
 Concen: 47.098 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

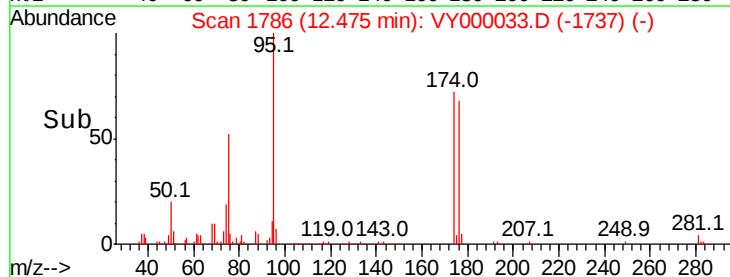
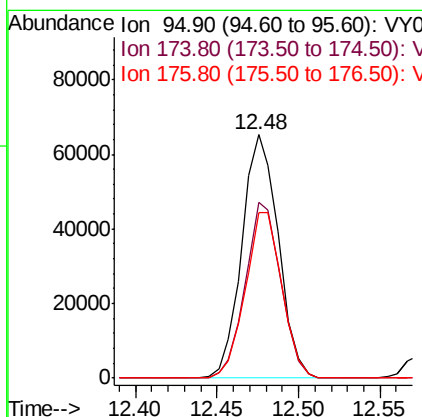
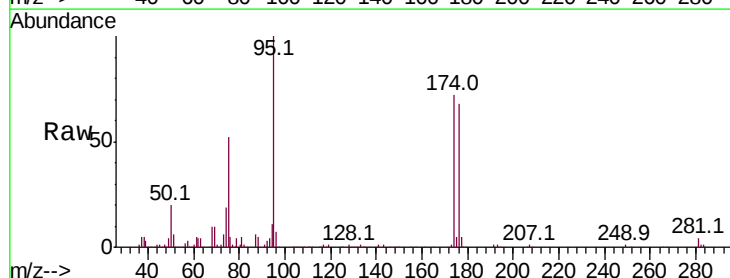
Instrument :
 MSVOA_Y
 ClientSampleId :

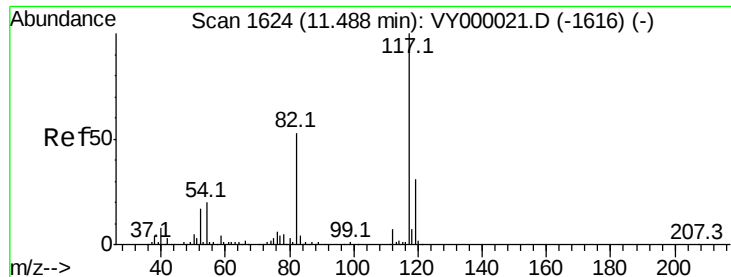
Tot Ion: 107 Resp: 59429
 Ion Ratio Lower Upper
 107 100
 109 90.8 76.7 115.1



#62
 4-Bromofluorobenzene
 Concen: 45.842 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion: 95 Resp: 101427
 Ion Ratio Lower Upper
 95 100
 174 70.6 0.0 137.6
 176 68.3 0.0 134.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

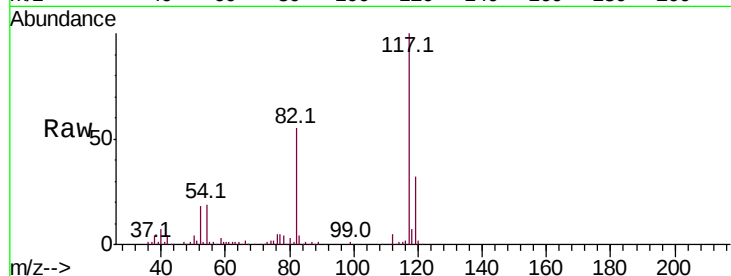
Tot Ion:117 Resp: 225369

Ion Ratio Lower Upper

117 100

82 54.8 42.5 63.7

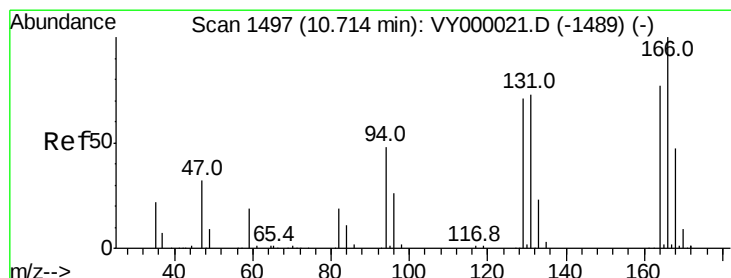
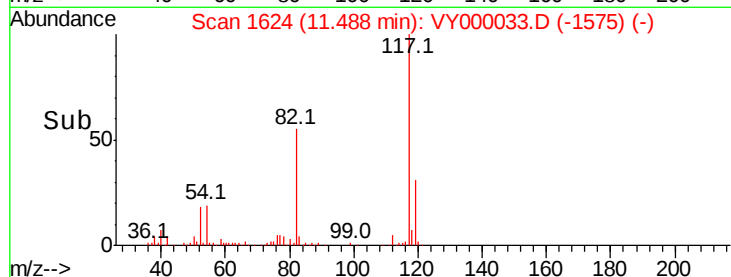
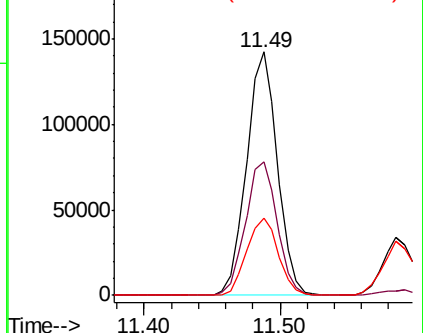
119 31.5 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.873 ug/l

RT: 10.72 min Scan# 1498

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Tgt Ion:164 Resp: 63398

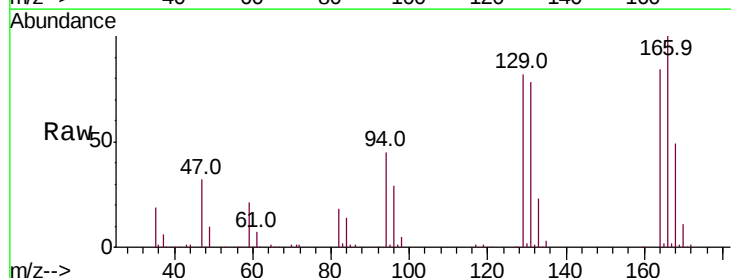
Ion Ratio Lower Upper

164 100

166 118.6 103.4 155.0

129 97.7 73.4 110.0

131 92.4 75.9 113.9

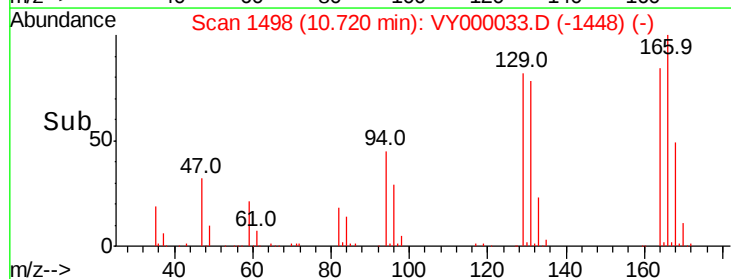
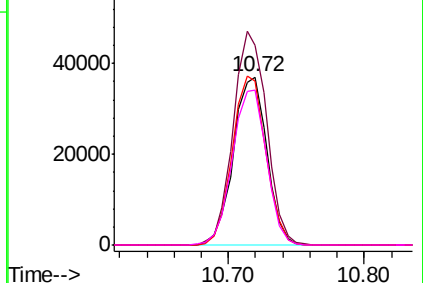


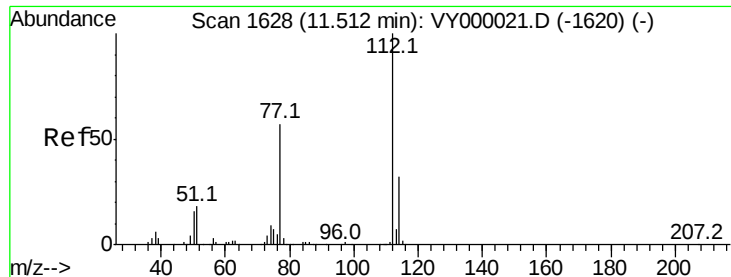
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

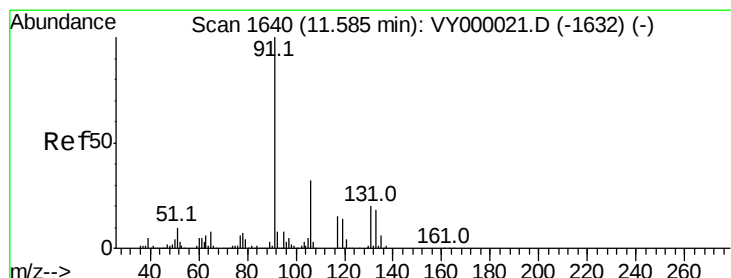
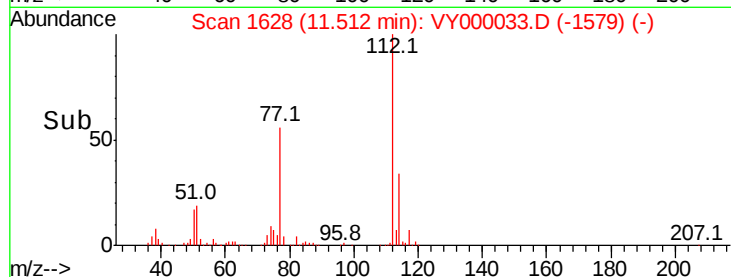
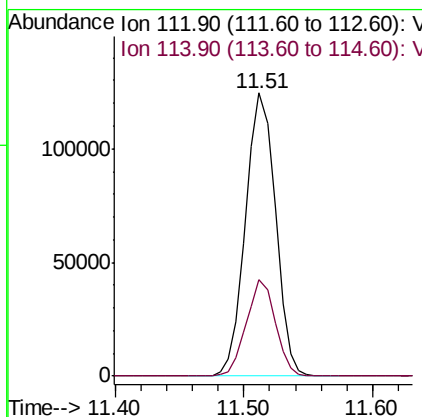
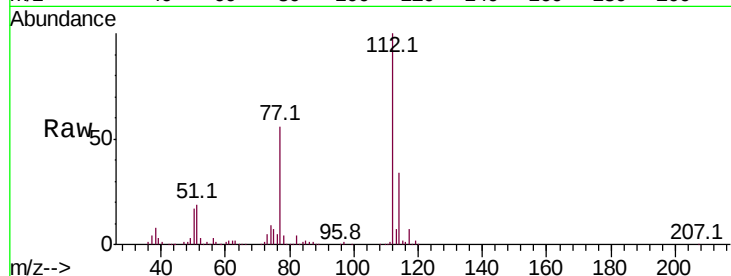




#65
Chlorobenzene
Concen: 46.591 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

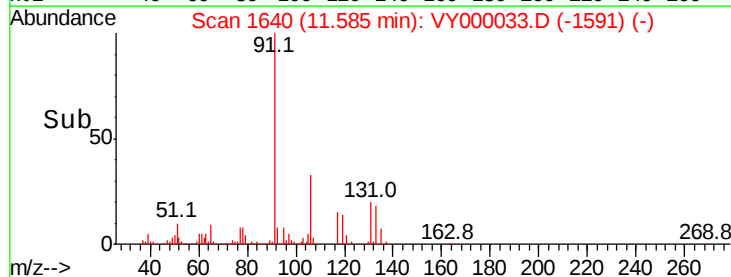
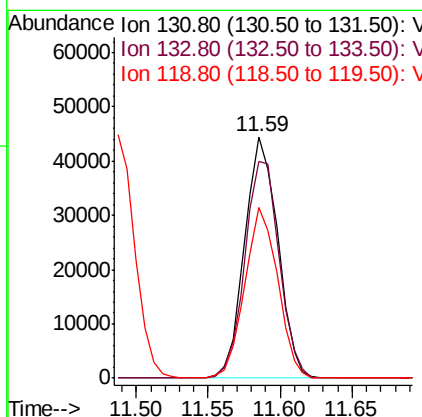
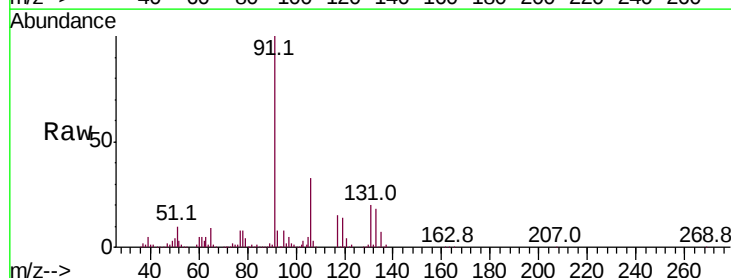
Instrument :
MSVOA_Y
ClientSampleId :

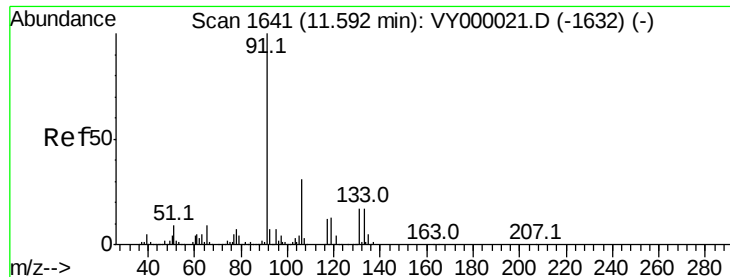
Tot Ion:112 Resp: 200078
Ion Ratio Lower Upper
112 100
114 34.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 47.693 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion:131 Resp: 70966
Ion Ratio Lower Upper
131 100
133 92.9 47.2 141.6
119 70.2 35.4 106.3





#67

Ethyl Benzene

Concen: 46.449 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

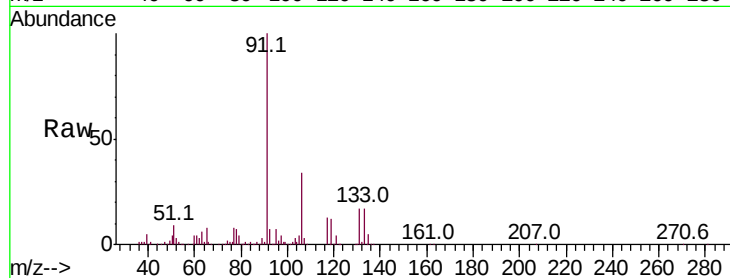
ClientSampled :

Tot Ion: 91 Resp: 362371

Ion Ratio Lower Upper

91 100

106 33.8 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1632) (-)

Ion 106.00 (105.70 to 106.70): VY000021.D (-1632) (-)

300000

250000

200000

150000

100000

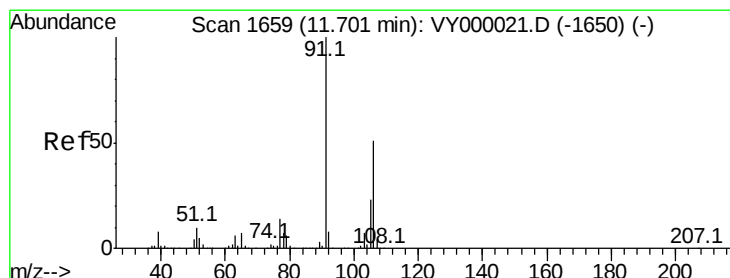
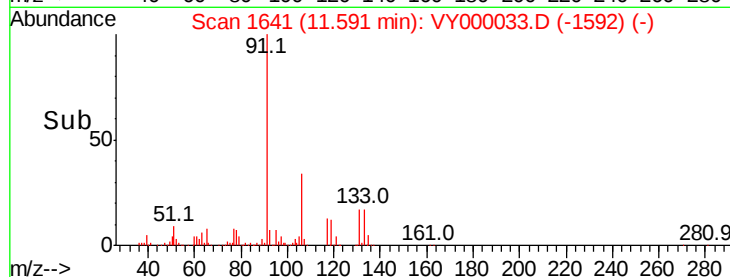
50000

0

11.50 11.55 11.60 11.65

11.59

Time-->



#68

m/p-Xylenes

Concen: 95.996 ug/l

RT: 11.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VY000033.D

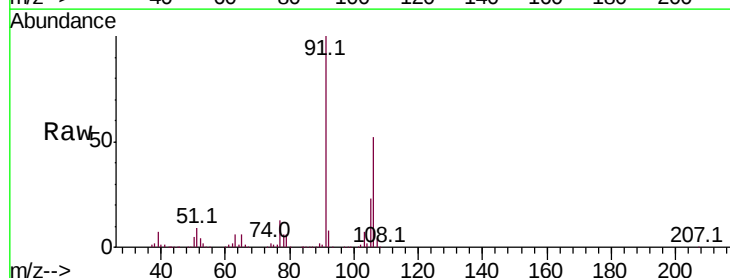
Acq: 13 Sep 2019 09:35

Tgt Ion:106 Resp: 282609

Ion Ratio Lower Upper

106 100

91 191.2 158.5 237.7



Abundance Ion 106.00 (105.70 to 106.70): VY000021.D (-1650) (-)

Ion 91.00 (90.70 to 91.70): VY000021.D (-1650) (-)

300000

200000

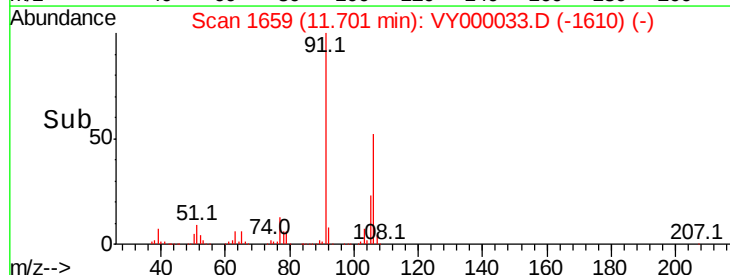
100000

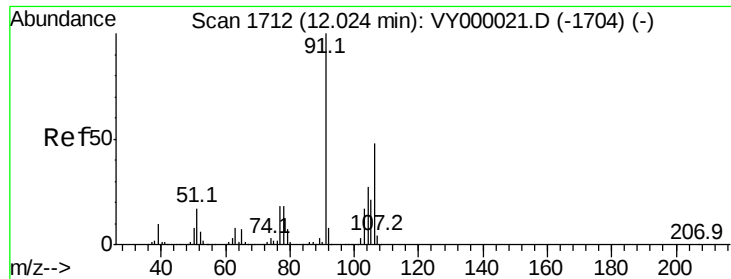
0

11.60 11.70 11.80

11.70

Time-->

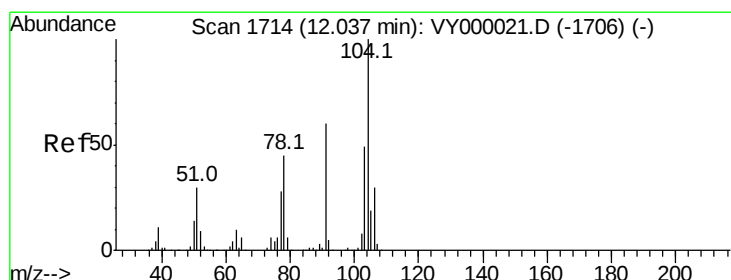
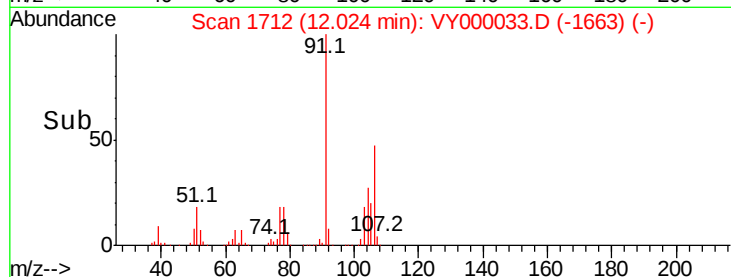
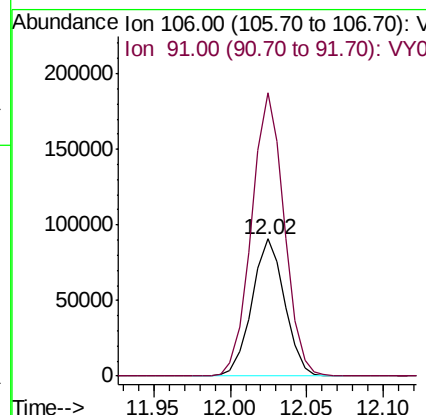
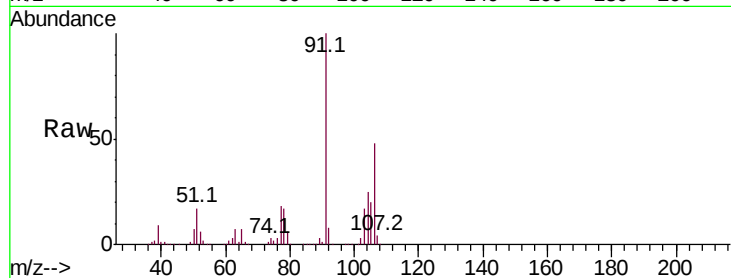




#69
o-Xylene
Concen: 46.861 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

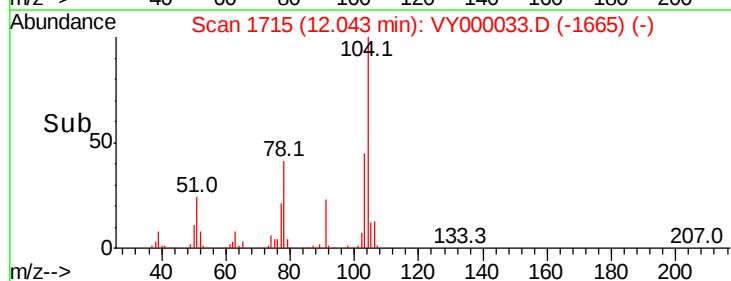
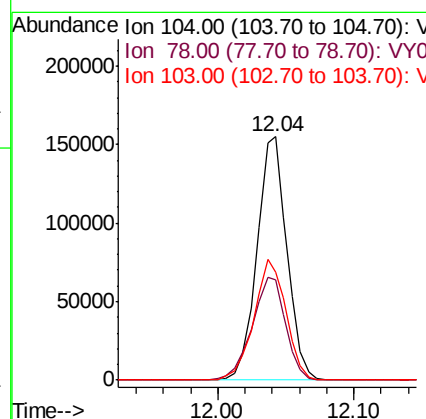
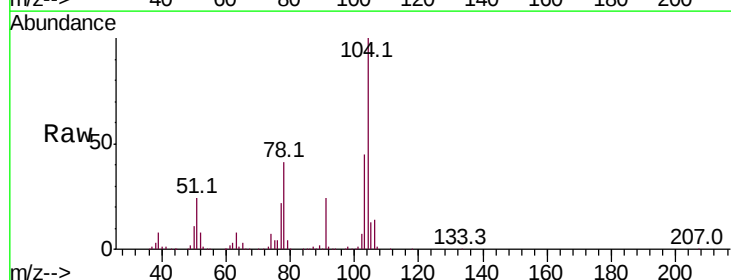
Instrument :
MSVOA_Y
ClientSampleId :

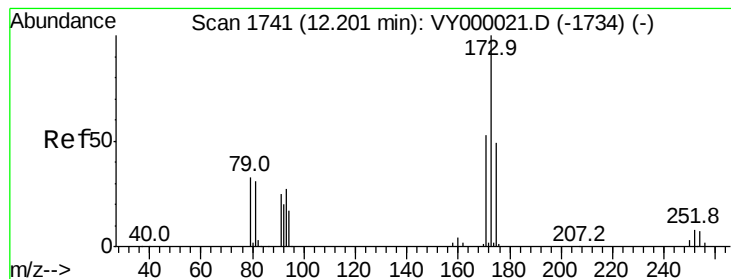
Tot Ion:106 Resp: 135210
Ion Ratio Lower Upper
106 100
91 205.2 104.0 312.0



#70
Styrene
Concen: 47.613 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000033.D
Acq: 13 Sep 2019 09:35

Tgt Ion:104 Resp: 238983
Ion Ratio Lower Upper
104 100
78 47.1 38.0 57.0
103 52.9 42.4 63.6





#71

Bromoform

Concen: 46.989 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

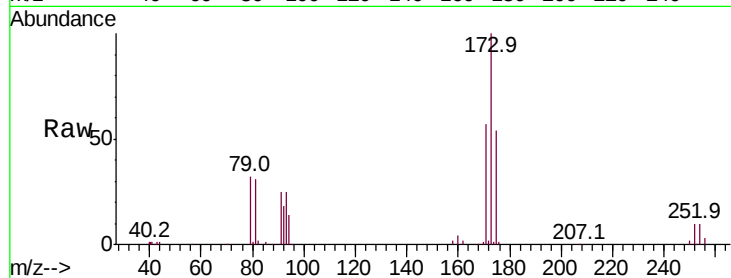
Tot Ion:173 Resp: 42217

Ion Ratio Lower Upper

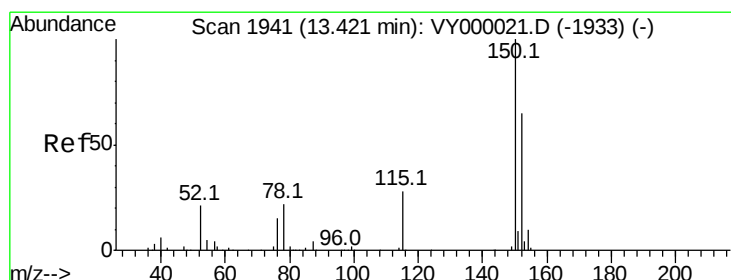
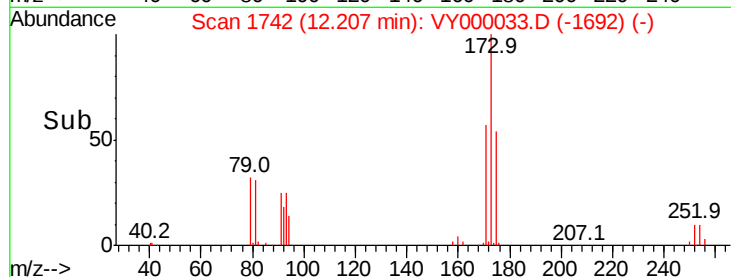
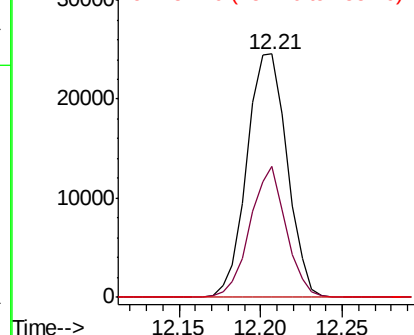
173 100

175 48.4 25.1 75.4

254 0.1 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: VY000033.D

Acq: 13 Sep 2019 09:35

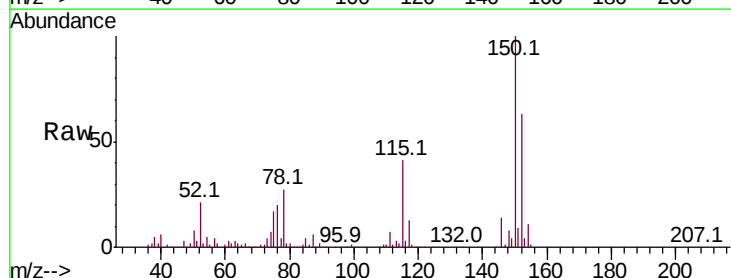
Tgt Ion:152 Resp: 99542

Ion Ratio Lower Upper

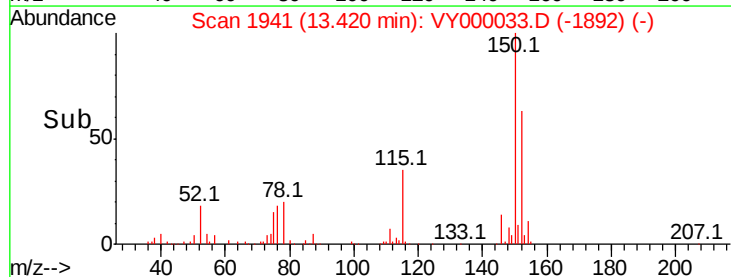
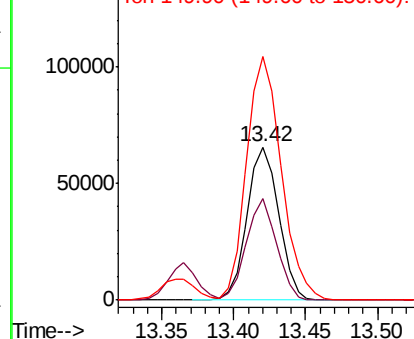
152 100

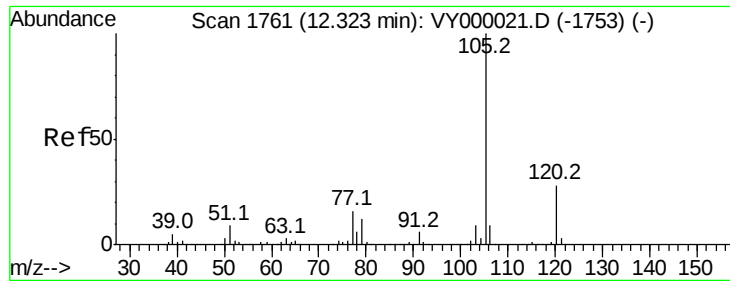
115 63.2 29.4 88.2

150 174.6 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: 45.793 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

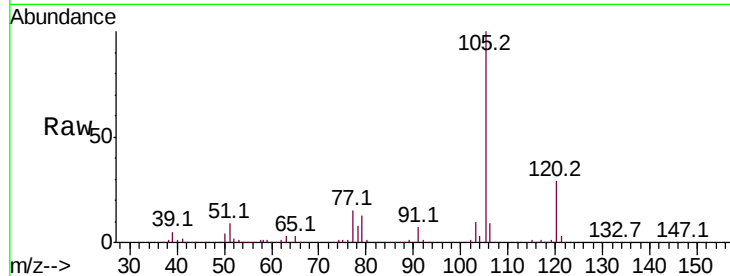
ClientSampled :

Tot Ion:105 Resp: 348289

Ion Ratio Lower Upper

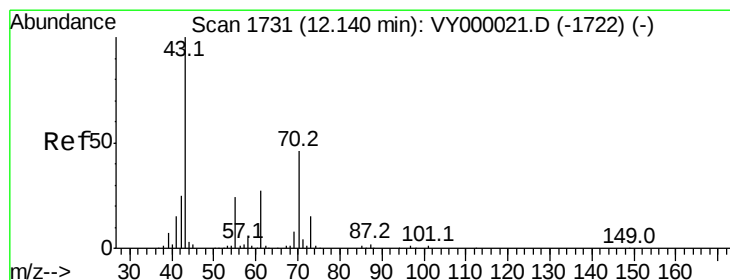
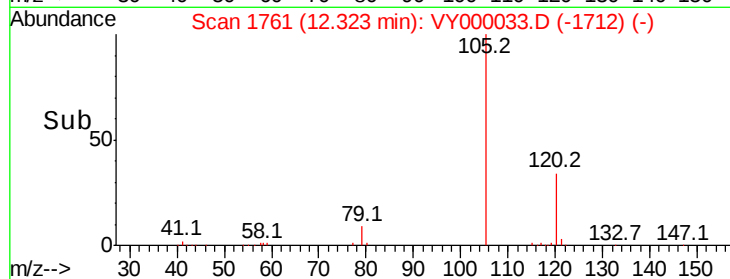
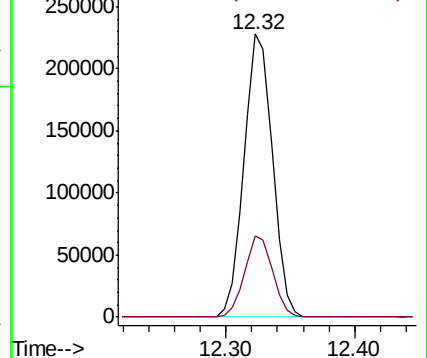
105 100

120 28.2 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: 49.013 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Tgt Ion: 43 Resp: 110040

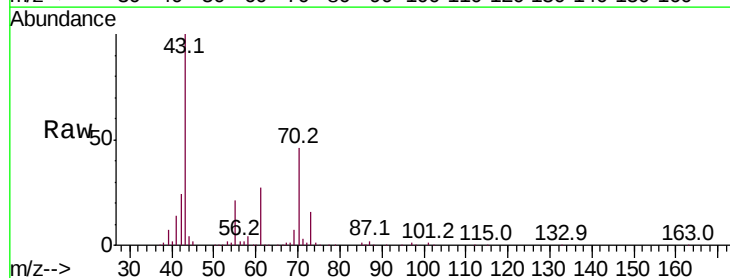
Ion Ratio Lower Upper

43 100

70 45.9 38.1 57.1

55 22.7 18.7 28.1

61 25.9 22.1 33.1

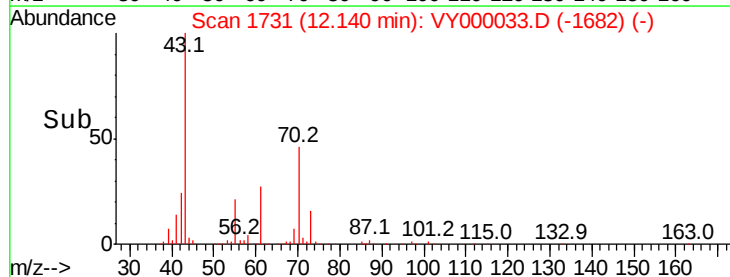
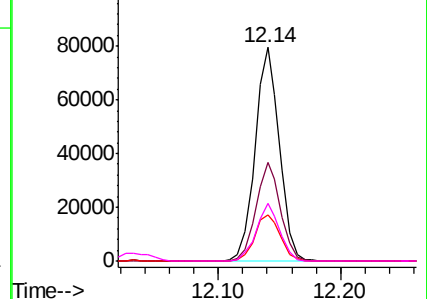


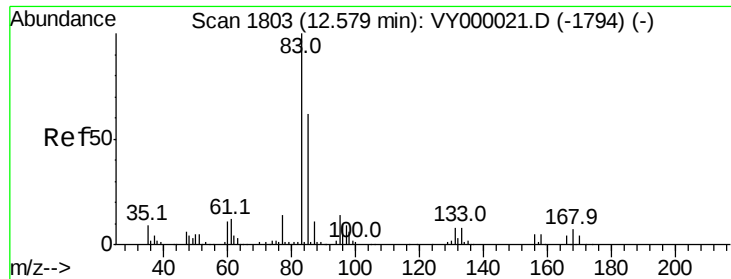
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 46.615 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

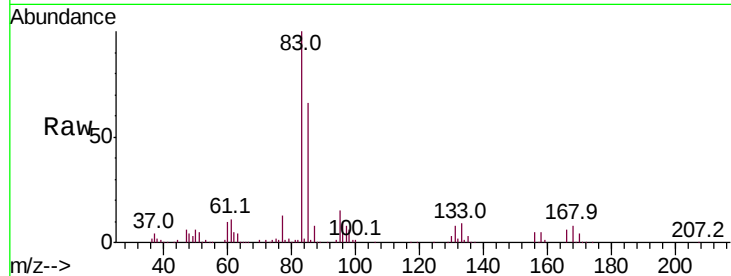
Tot Ion: 83 Resp: 84769

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.6	13.8
85	65.4	31.8	95.3

83 100

131 8.9 4.6 13.8

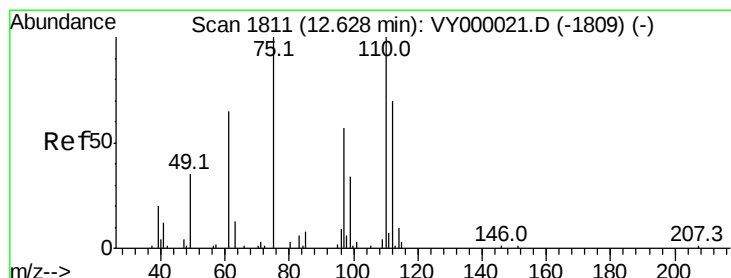
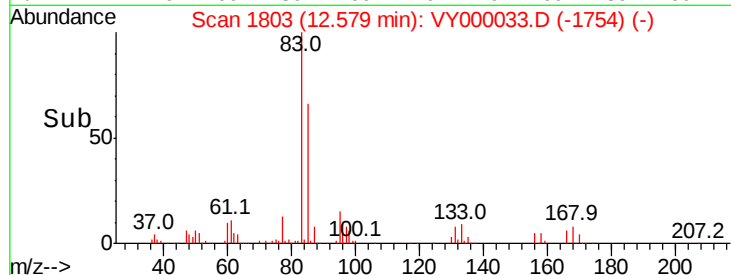
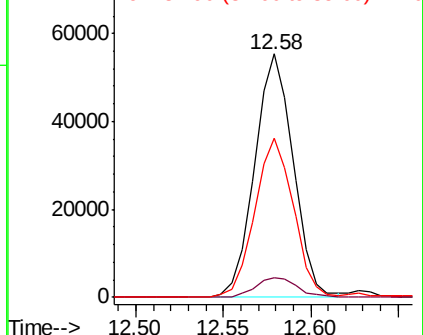
85 65.4 31.8 95.3



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



#76

1,2,3-Trichloropropane

Concen: 82.221 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VY000033.D

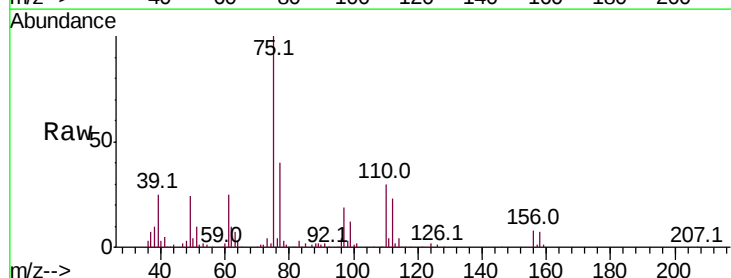
Acq: 13 Sep 2019 09:35

Tgt Ion: 75 Resp: 113678

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

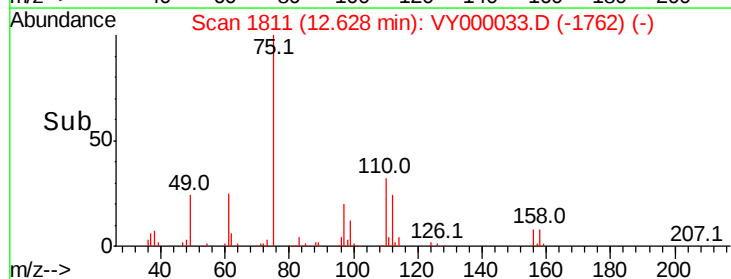
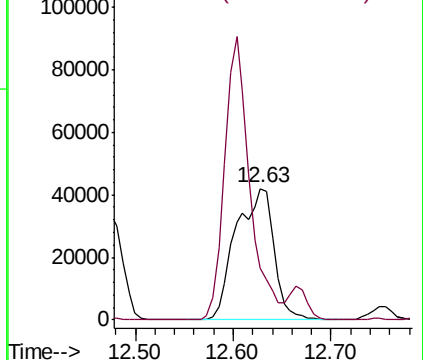
75 100

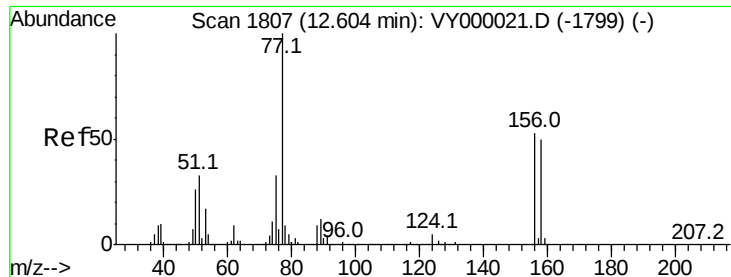
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 48.313 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampled :

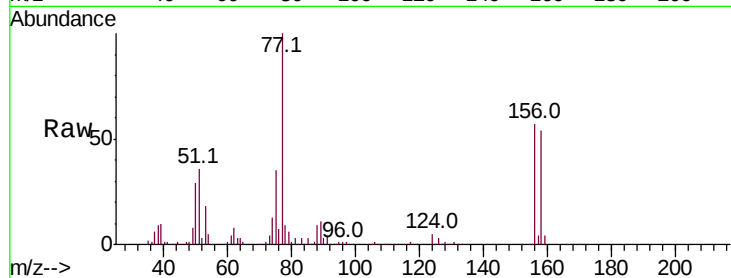
Tot Ion:156 Resp: 77730

Ion Ratio Lower Upper

156 100

77 210.1 106.0 317.9

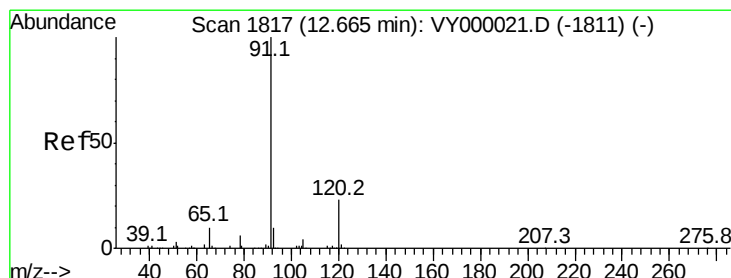
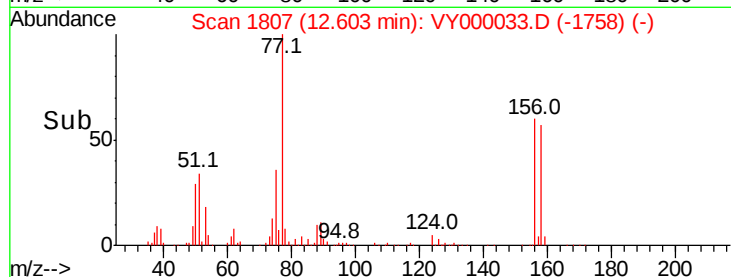
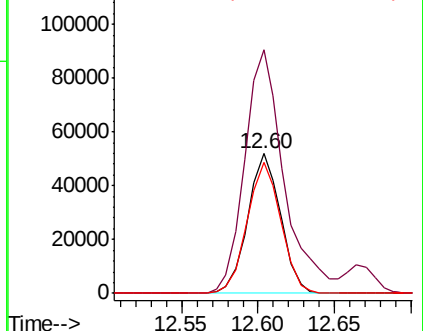
158 95.7 47.3 141.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VY0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 46.433 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000033.D

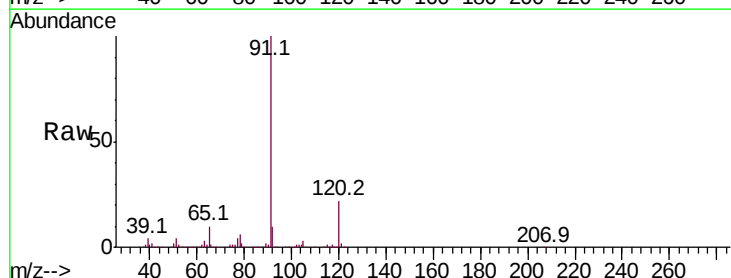
Acq: 13 Sep 2019 09:35

Tgt Ion: 91 Resp: 431591

Ion Ratio Lower Upper

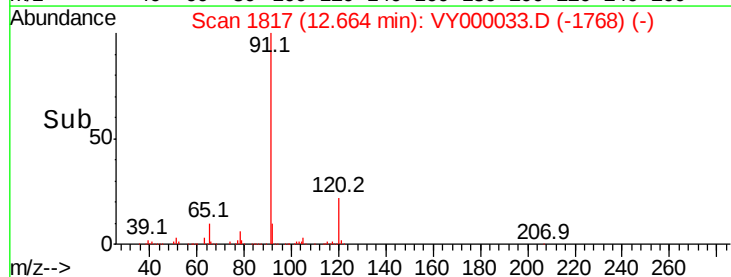
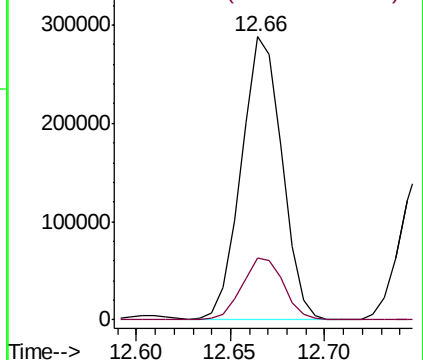
91 100

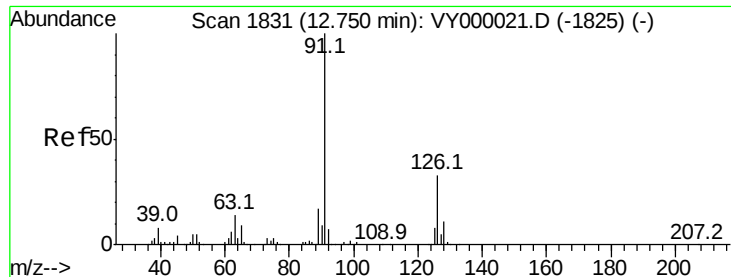
120 22.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.30): VY0

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 46.141 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

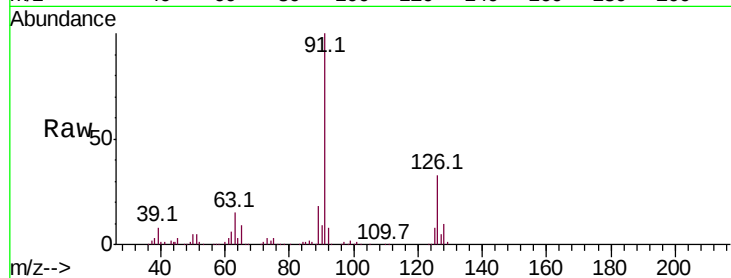
ClientSampled :

Tot Ion: 91 Resp: 239821

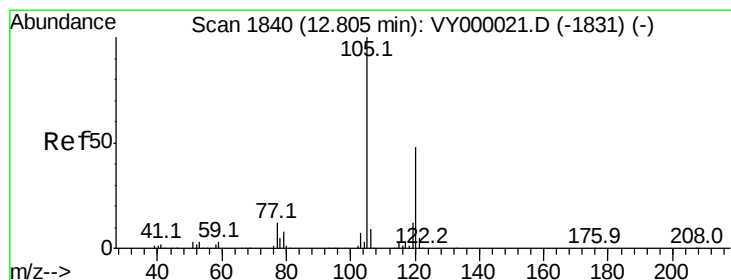
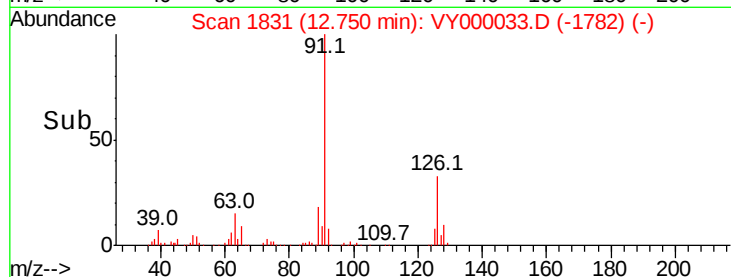
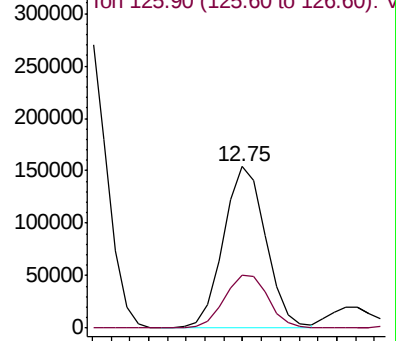
Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.034 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VY000033.D

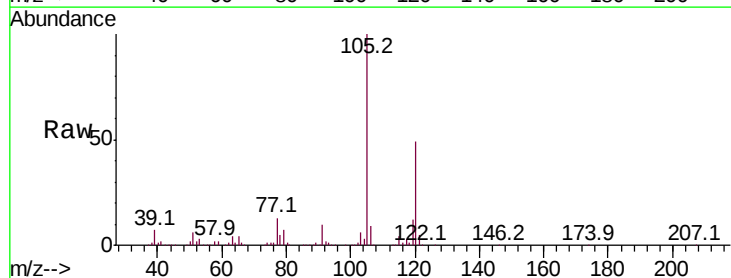
Acq: 13 Sep 2019 09:35

Tgt Ion:105 Resp: 292341

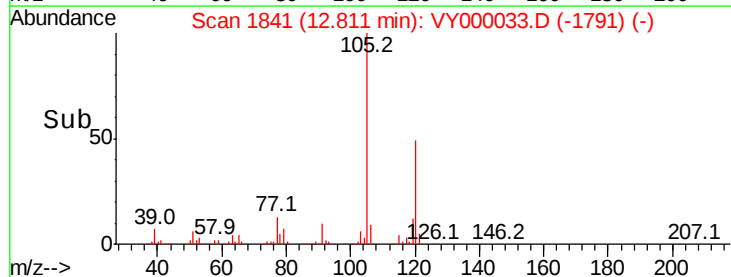
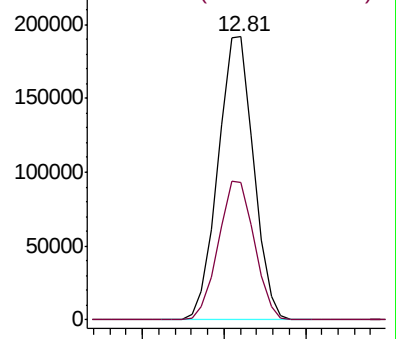
Ion Ratio Lower Upper

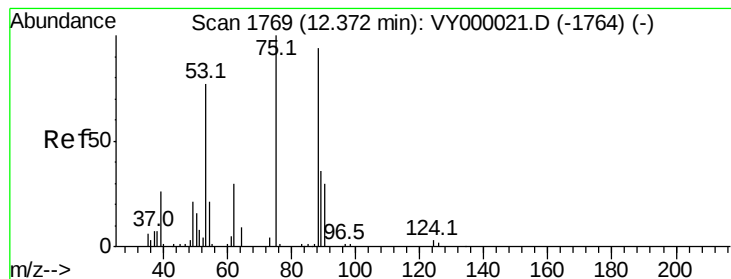
105 100

120 49.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000021.D (-1831) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.063 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

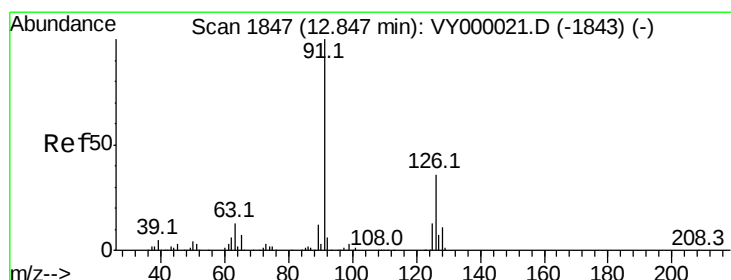
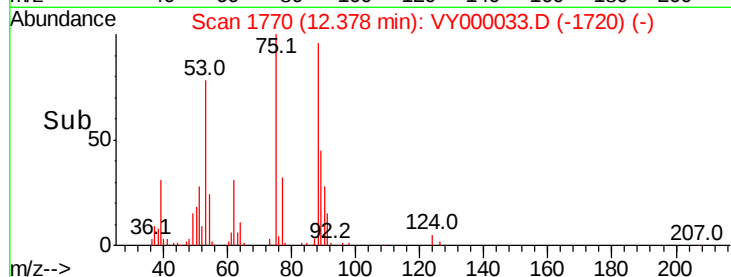
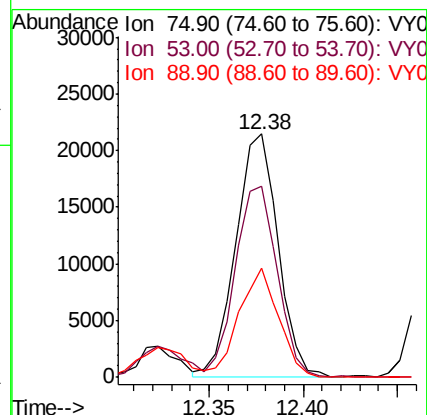
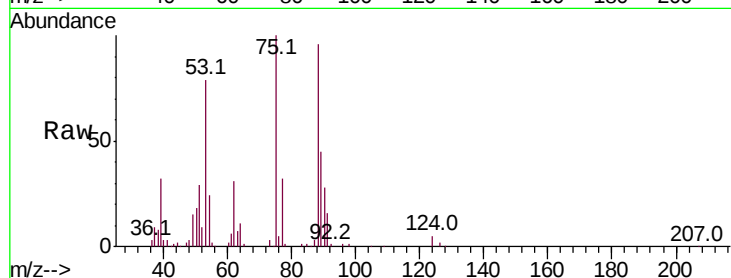
Tot Ion: 75 Resp: 33501

Ion Ratio Lower Upper

75 100

53 77.9 64.2 96.2

89 42.0 35.5 53.3



#82

4-Chlorotoluene

Concen: 46.245 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VY000033.D

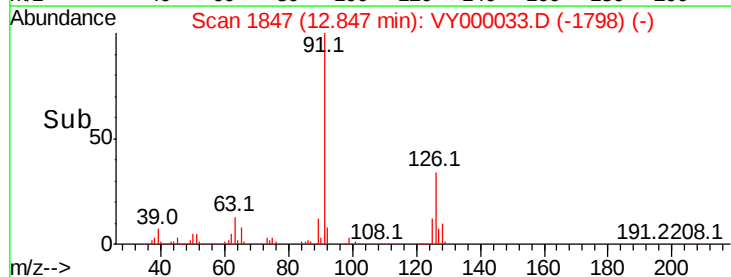
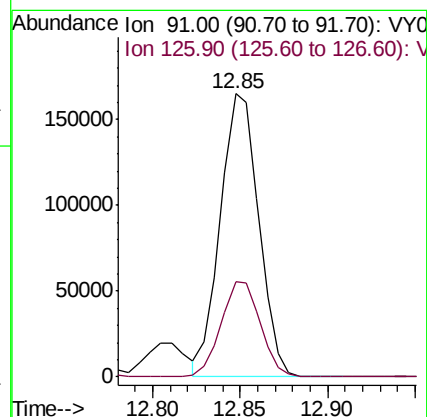
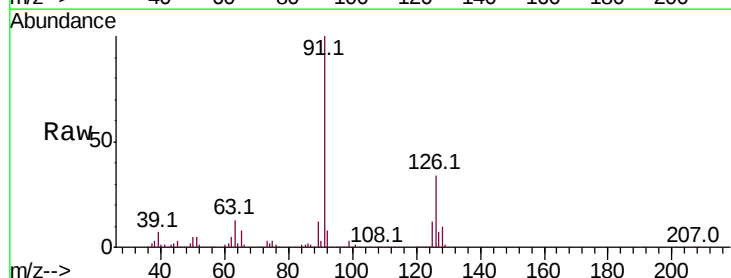
Acq: 13 Sep 2019 09:35

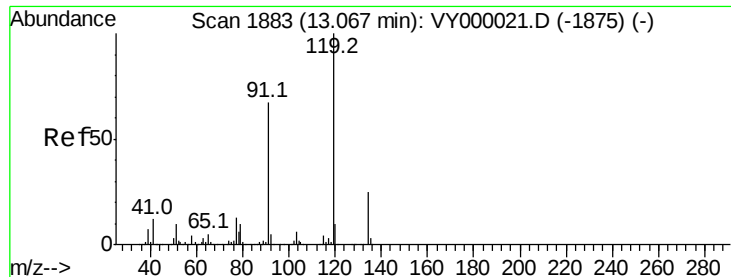
Tgt Ion: 91 Resp: 252259

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.5





#83

tert-Butylbenzene

Concen: 45.492 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

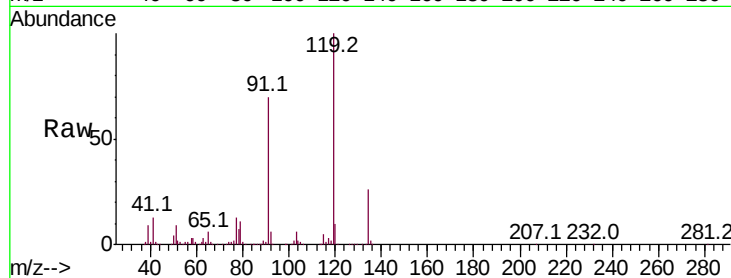
Tot Ion:119 Resp: 248234

Ion Ratio Lower Upper

119 100

91 66.3 33.1 99.5

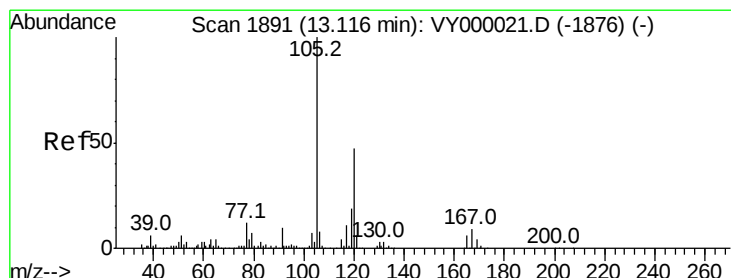
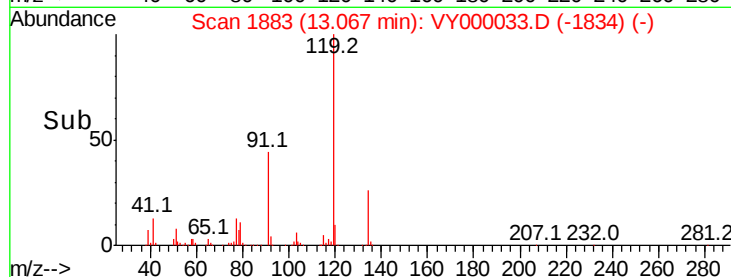
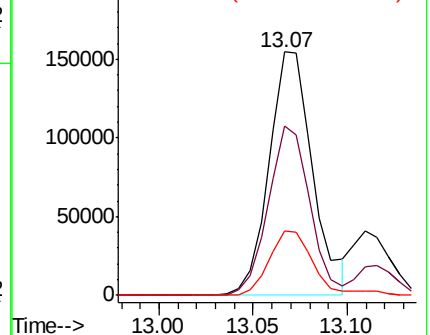
134 27.0 13.5 40.5



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: 46.004 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY000033.D

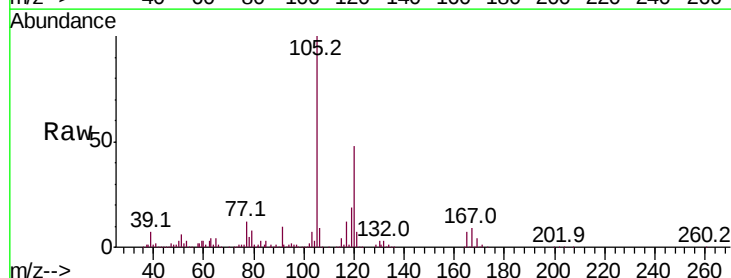
Acq: 13 Sep 2019 09:35

Tgt Ion:105 Resp: 288590

Ion Ratio Lower Upper

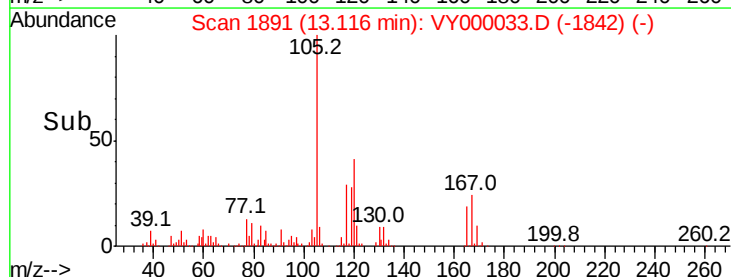
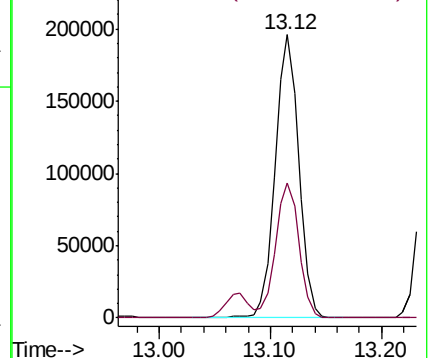
105 100

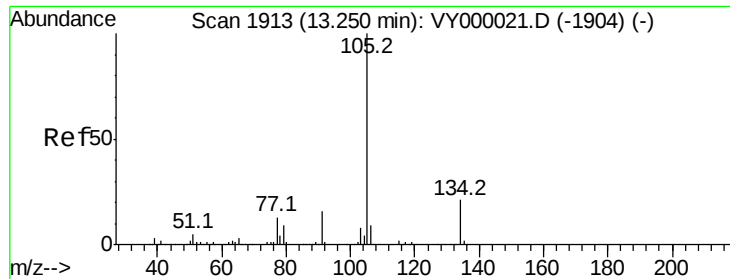
120 47.4 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

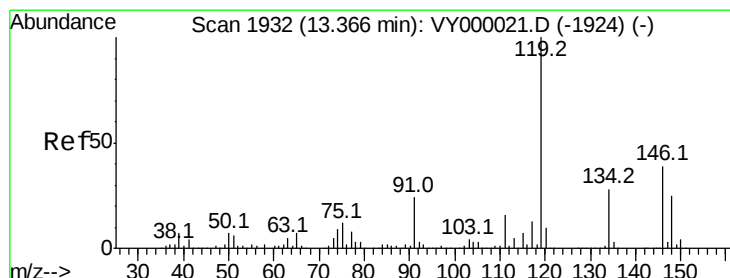
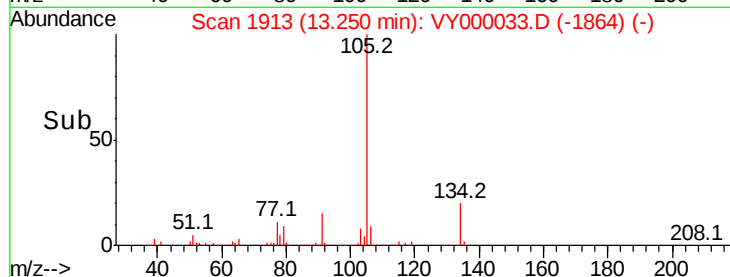
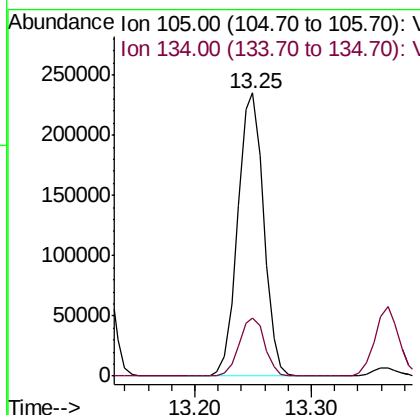
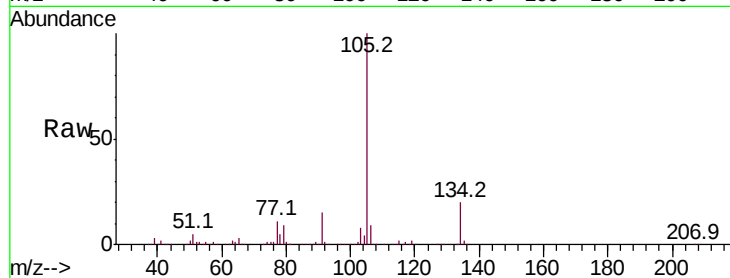




#85
 sec-Butylbenzene
 Concen: 45.157 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

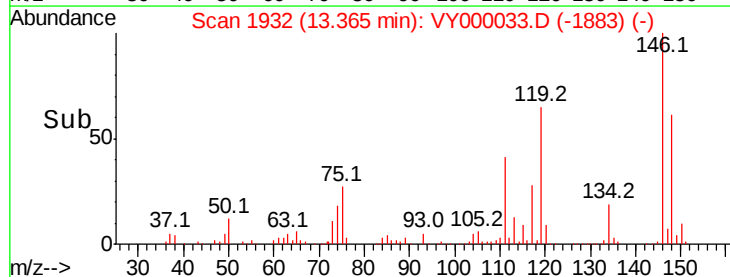
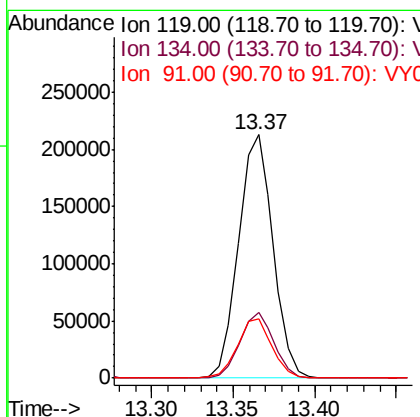
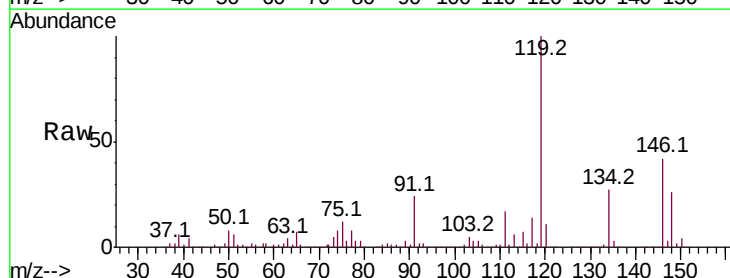
Instrument :
 MSVOA_Y
 ClientSampled :

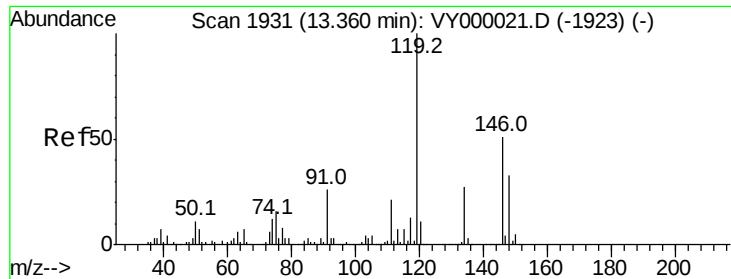
Tot Ion:105 Resp: 363641
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 45.660 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion:119 Resp: 311913
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.8 41.3
 91 24.4 12.4 37.2

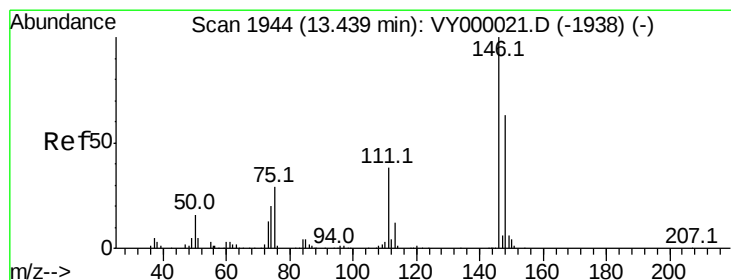
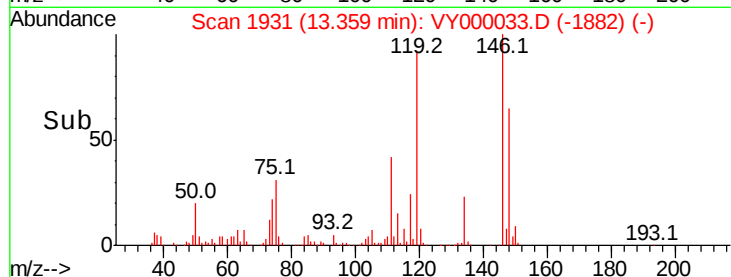
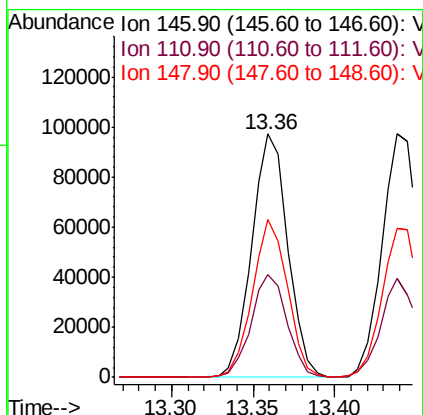
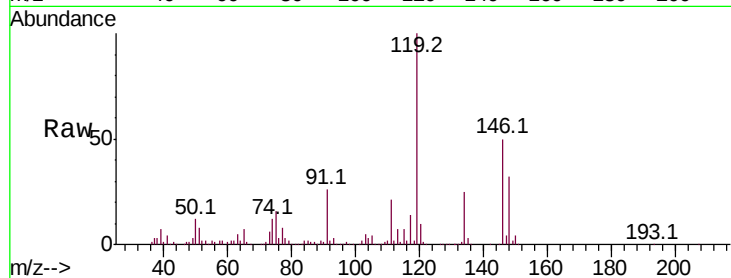




#87
 1,3-Dichlorobenzene
 Concen: 46.112 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

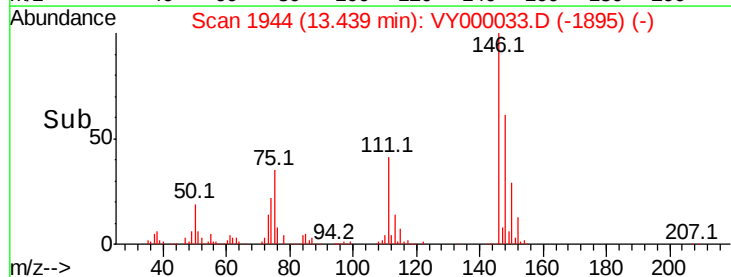
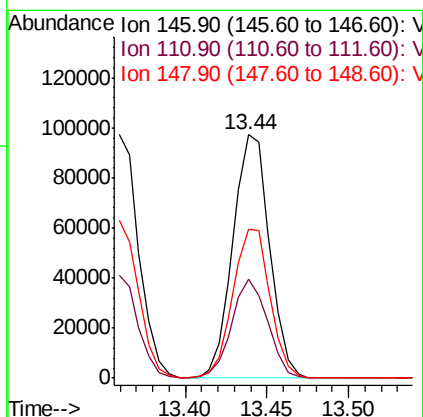
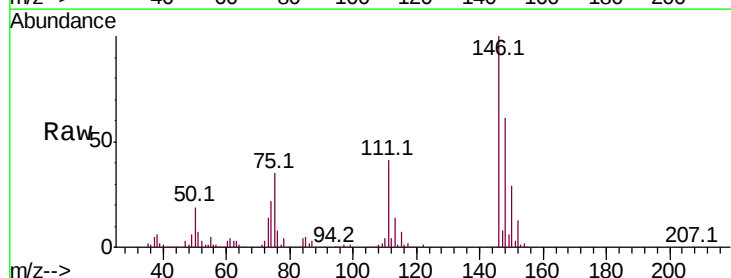
Instrument :
 MSVOA_Y
 ClientSampleId :

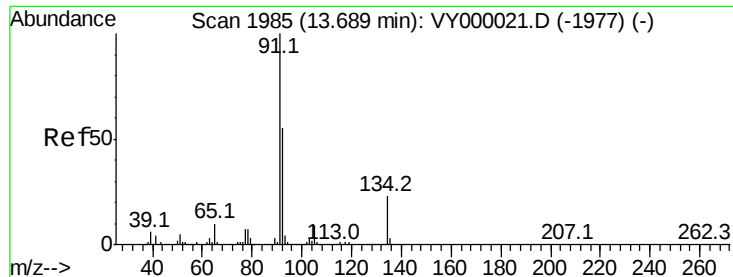
Tot Ion:146 Resp: 149314
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.2 63.6
 148 62.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 46.750 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion:146 Resp: 152336
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.3 60.9
 148 62.1 31.7 95.1





#89

n-Butylbenzene

Concen: 45.478 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

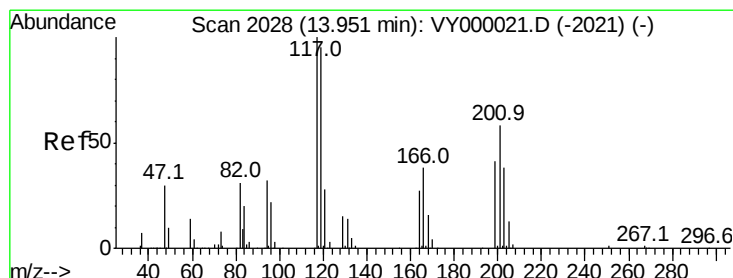
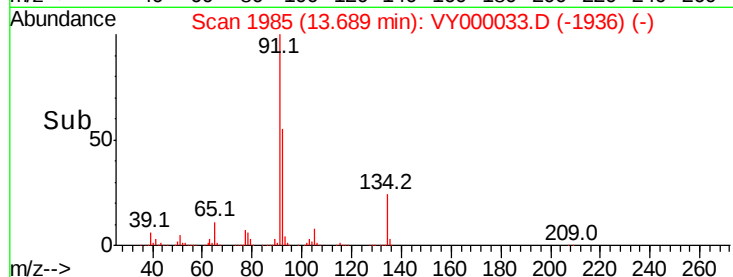
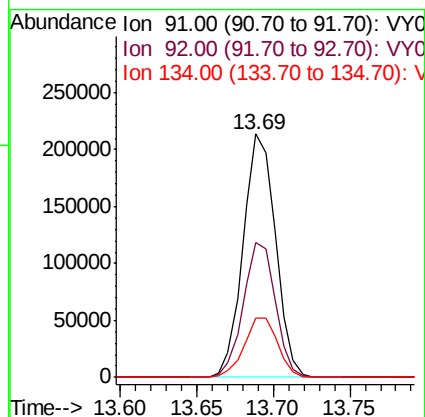
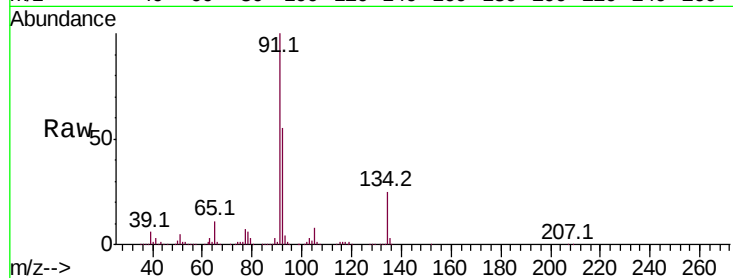
Tot Ion: 91 Resp: 314819

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.6

134 25.4 12.6 37.6



#90

Hexachloroethane

Concen: 46.207 ug/l

RT: 13.96 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VY000033.D

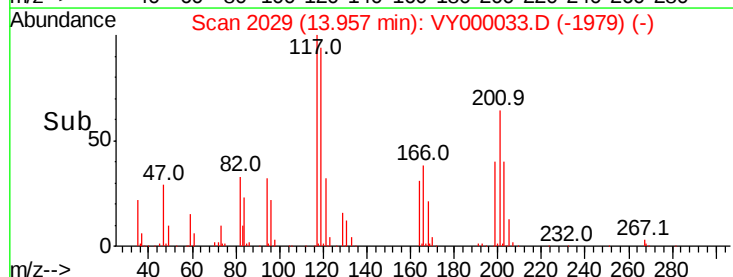
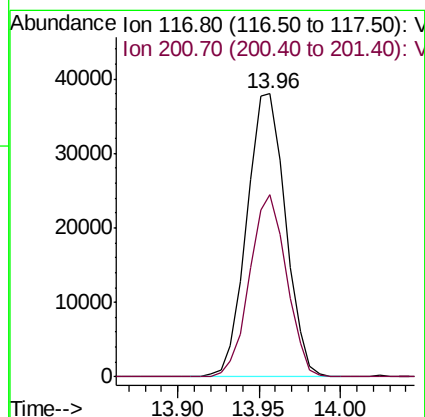
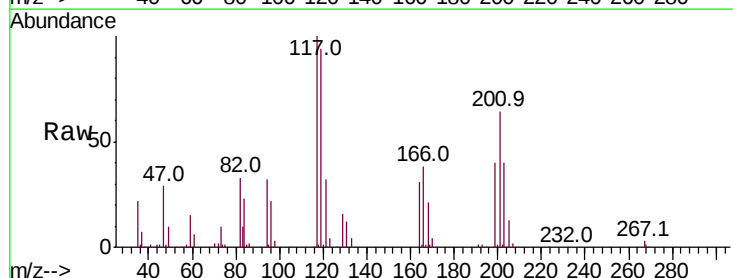
Acq: 13 Sep 2019 09:35

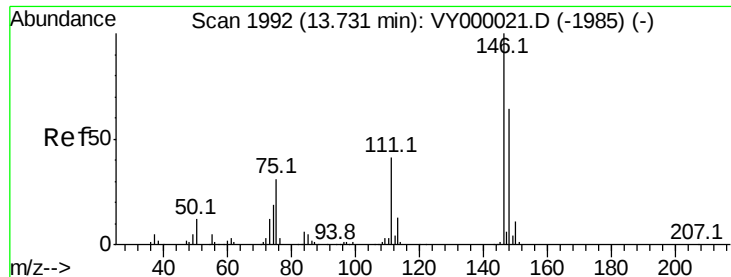
Tgt Ion: 117 Resp: 63079

Ion Ratio Lower Upper

117 100

201 61.2 31.4 94.0





#91

1,2-Dichlorobenzene

Concen: 45.913 ug/l

RT: 13.73 min Scan# 1992

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

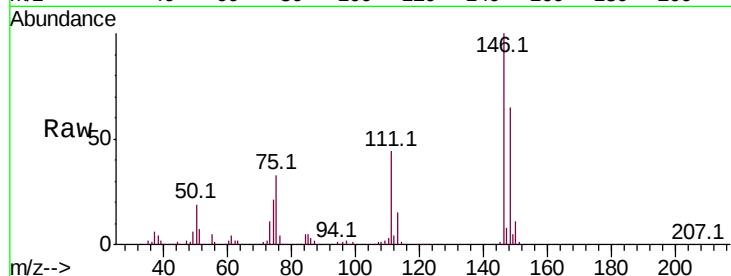
Tot Ion:146 Resp: 138354

Ion Ratio Lower Upper

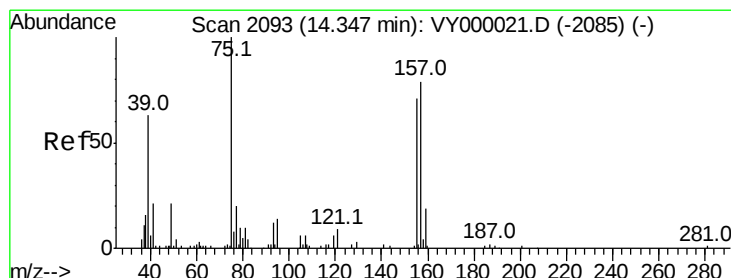
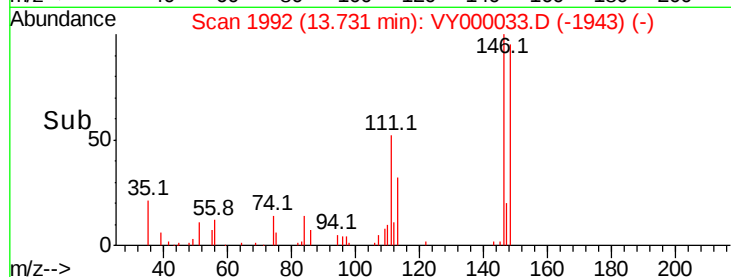
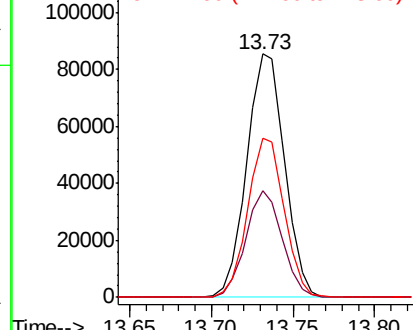
146 100

111 42.0 21.0 63.0

148 63.0 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.394 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

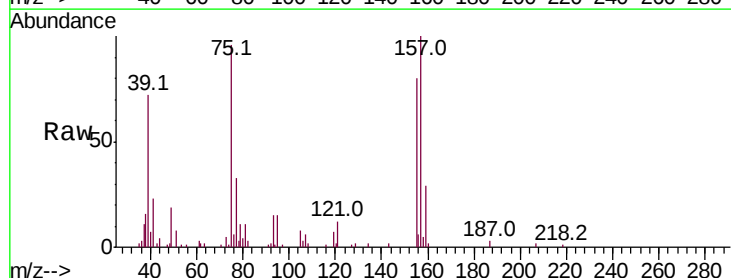
Tgt Ion: 75 Resp: 15267

Ion Ratio Lower Upper

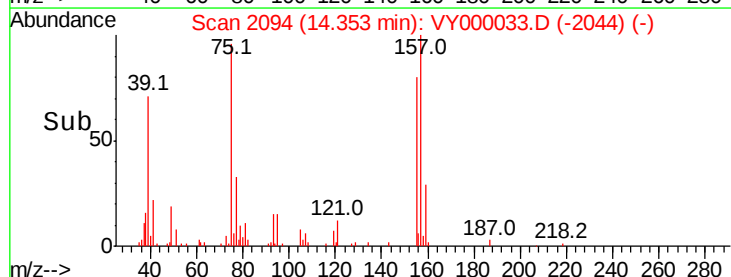
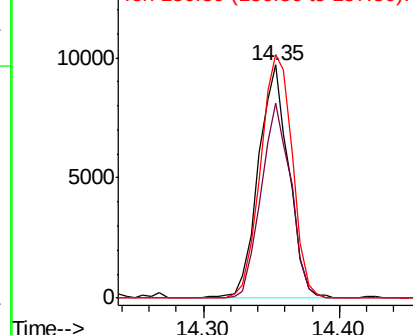
75 100

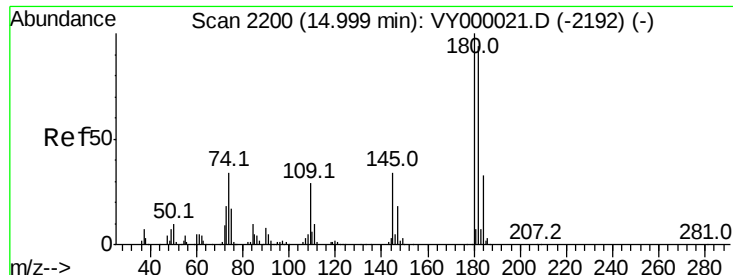
155 81.4 41.8 125.3

157 108.2 51.3 153.9



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

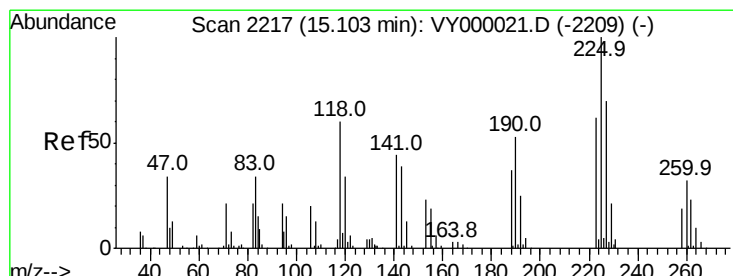
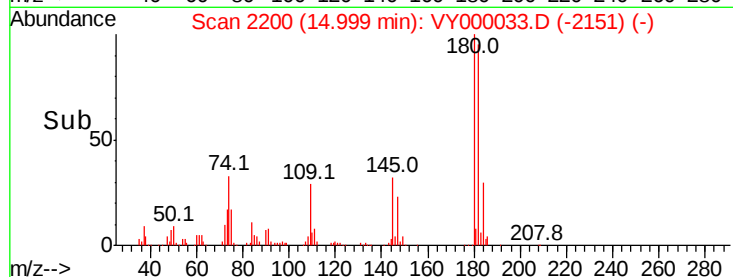
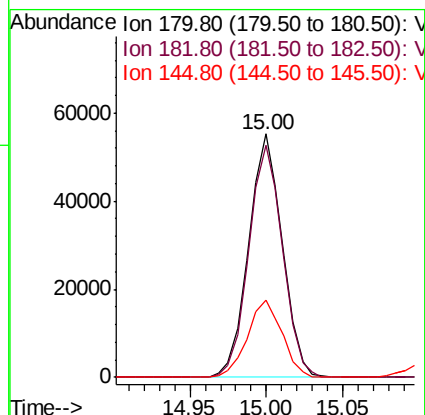
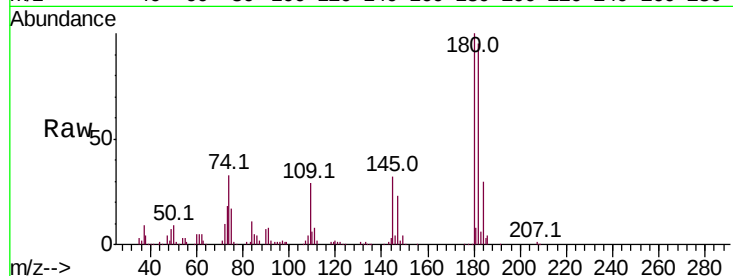




#93
 1,2,4-Trichlorobenzene
 Concen: 43.790 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

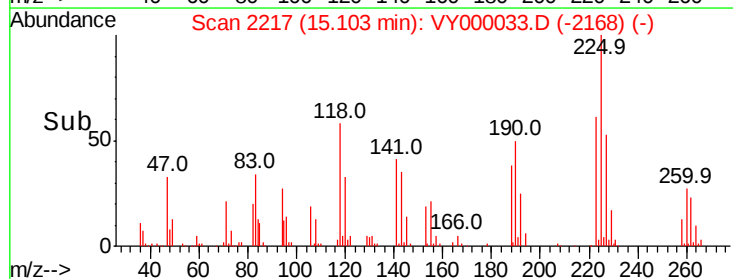
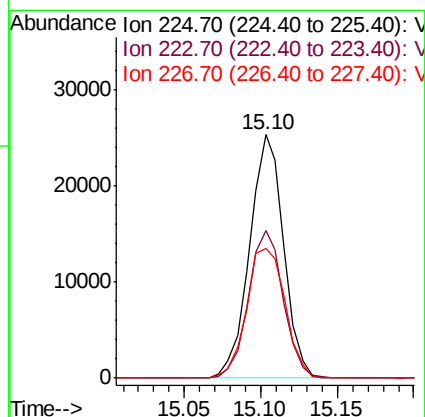
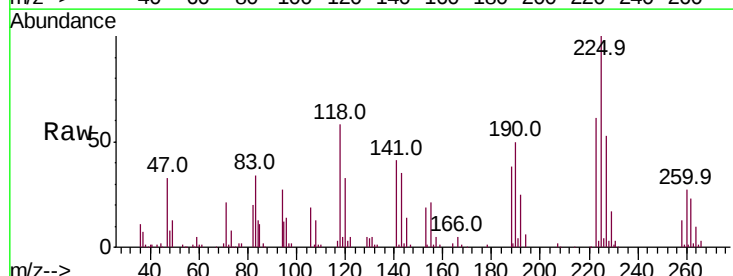
Instrument :
 MSVOA_Y
 ClientSampled :

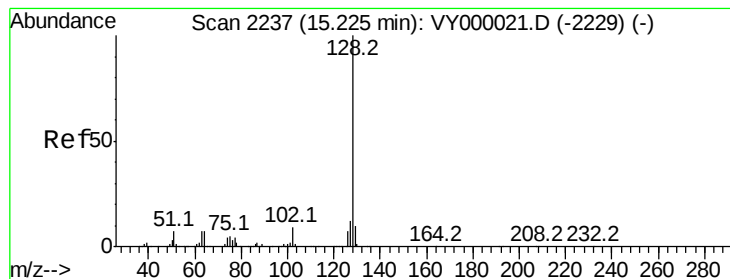
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	32.4	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 44.260 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000033.D
 Acq: 13 Sep 2019 09:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.9	92.7
227	60.4	31.0	93.0





#95

Naphthalene

Concen: 45.551 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

Instrument :

MSVOA_Y

ClientSampleId :

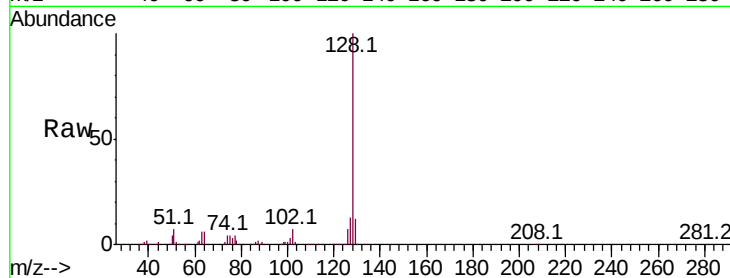
Tot Ion:128 Resp: 239623

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

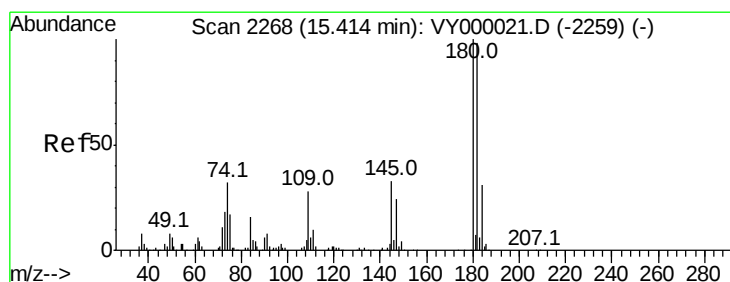
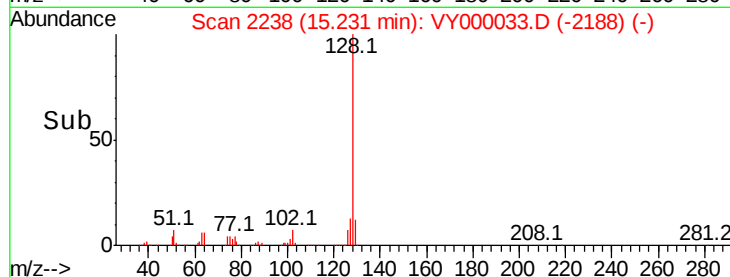
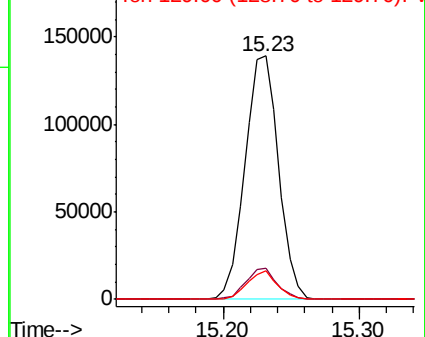
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.363 ug/l

RT: 15.41 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VY000033.D

Acq: 13 Sep 2019 09:35

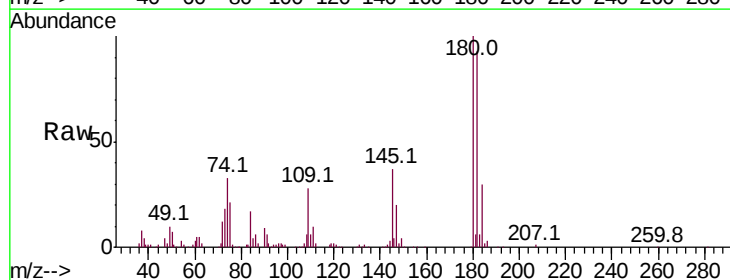
Tgt Ion:180 Resp: 78303

Ion Ratio Lower Upper

180 100

182 94.5 46.8 140.4

145 35.8 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

