

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000019.D
 Acq On : 12 Sep 2019 11:32
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00µl/5.00ml
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 15:38:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 15:35:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	141700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	266096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	229798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99619	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	16721	10.95	ug/l	0.00
Spiked Amount			Recovery	=	21.90%	
35) Dibromofluoromethane	7.72	113	16835	11.03	ug/l	0.00
Spiked Amount			Recovery	=	22.06%	
50) Toluene-d8	10.18	98	63095	10.27	ug/l	0.00
Spiked Amount			Recovery	=	20.54%	
62) 4-Bromofluorobenzene	12.48	95	24514	10.97	ug/l	0.00
Spiked Amount			Recovery	=	21.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	11389	10.899	ug/l	91
3) Chloromethane	2.11	50	20170	11.866	ug/l	100
4) Vinyl Chloride	2.25	62	16153	10.194	ug/l	94
5) Bromomethane	2.63	94	11407	11.326	ug/l	86
6) Chloroethane	2.78	64	10160	9.631	ug/l	91
7) Trichlorofluoromethane	3.12	101	21945	10.658	ug/l	99
8) Diethyl Ether	3.53	74	8813	10.415	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	15106	10.781	ug/l	98
10) Methyl Iodide	4.09	142	13983	9.126	ug/l	98
11) Tert butyl alcohol	4.98	59	10453	53.865	ug/l #	83
12) 1,1-Dichloroethene	3.87	96	13893	10.639	ug/l	94
13) Acrolein	3.73	56	9082	62.383	ug/l	98
14) Allyl chloride	4.48	41	22364	11.030	ug/l	96
15) Acrylonitrile	5.17	53	27699	51.593	ug/l	99
16) Acetone	3.95	43	23278	55.003	ug/l #	85
17) Carbon Disulfide	4.19	76	25724	9.782	ug/l	96
18) Methyl Acetate	4.48	43	11685	9.812	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	41153	10.405	ug/l	92
20) Methylene Chloride	4.71	84	17836	10.571	ug/l #	90
21) trans-1,2-Dichloroethene	5.22	96	15186	10.503	ug/l #	82
22) Diisopropyl ether	6.13	45	45395	10.142	ug/l	94
23) Vinyl Acetate	6.06	43	155264	50.144	ug/l	99
24) 1,1-Dichloroethane	6.02	63	27248	10.273	ug/l	95
25) 2-Butanone	6.99	43	34862	50.677	ug/l	90
26) 2,2-Dichloropropane	6.98	77	26305	10.676	ug/l	98
27) cis-1,2-Dichloroethene	6.98	96	18438	10.107	ug/l	90
28) Bromochloromethane	7.34	49	11541	9.475	ug/l #	100
29) Tetrahydrofuran	7.36	42	20783	50.786	ug/l	98
30) Chloroform	7.51	83	29384	10.743	ug/l	98
31) Cyclohexane	7.78	56	23806	10.769	ug/l #	81
32) 1,1,1-Trichloroethane	7.71	97	23680	10.554	ug/l	98
36) 1,1-Dichloropropene	7.92	75	21370	10.938	ug/l	98
37) Ethyl Acetate	7.08	43	11764	8.929	ug/l #	91
38) Carbon Tetrachloride	7.90	117	19008	10.307	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	24439	10.125	ug/l	94
40) Benzene	8.16	78	64615	10.158	ug/l	98
41) Methacrylonitrile	7.32	41	8184	4.783	ug/l	97
42) 1,2-Dichloroethane	8.24	62	15922	9.795	ug/l	95
43) Isopropyl Acetate	8.27	43	25645	10.045	ug/l #	91
44) Trichloroethene	8.94	130	16081	10.125	ug/l	90
45) 1,2-Dichloropropane	9.21	63	16651	10.152	ug/l	94
46) Dibromomethane	9.31	93	9357	10.280	ug/l	92
47) Bromodichloromethane	9.50	83	22357	10.289	ug/l #	88
48) Methyl methacrylate	9.29	41	10388	9.221	ug/l	89
49) 1,4-Dioxane	9.29	88	4155	217.964	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	69964	48.907	ug/l	98
52) Toluene	10.24	92	40712	10.186	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	22721	9.945	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	26397	9.930	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	14596	10.119	ug/l	90
56) Ethyl methacrylate	10.51	69	19686	9.724	ug/l	97
57) 1,3-Dichloropropane	10.79	76	23498	10.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	53229	48.001	ug/l	97
59) 2-Hexanone	10.83	43	51210	49.675	ug/l	97
60) Dibromochloromethane	10.98	129	14919	9.816	ug/l	98
61) 1,2-Dibromoethane	11.09	107	13031	10.228	ug/l	98
64) Tetrachloroethene	10.72	164	14525	10.307	ug/l	91
65) Chlorobenzene	11.51	112	44199	10.094	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	15111	9.960	ug/l	98
67) Ethyl Benzene	11.59	91	80920	10.172	ug/l	96
68) m/p-Xylenes	11.70	106	59849	19.938	ug/l	99
69) o-Xylene	12.02	106	29637	10.074	ug/l	96
70) Styrene	12.04	104	50698	9.906	ug/l	99
71) Bromoform	12.20	173	9467	10.334	ug/l #	98
73) Isopropylbenzene	12.32	105	78315	10.289	ug/l	100
74) N-amyl acetate	12.14	43	20309	9.039	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	18617	10.230	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	24361	11.025	ug/l #	100
77) Bromobenzene	12.60	156	15885	9.866	ug/l	91
78) n-propylbenzene	12.66	91	93814	10.085	ug/l	97
79) 2-Chlorotoluene	12.75	91	50190	9.649	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	64805	10.197	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	6589	9.446	ug/l	95
82) 4-Chlorotoluene	12.85	91	55337	10.137	ug/l	99
83) tert-Butylbenzene	13.07	119	55852	10.228	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	63501	10.115	ug/l	98
85) sec-Butylbenzene	13.25	105	82225	10.203	ug/l	99
86) p-Isopropyltoluene	13.36	119	71018	10.388	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	32345	9.981	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	32808	10.061	ug/l	98
89) n-Butylbenzene	13.69	91	70342	10.153	ug/l	98
90) Hexachloroethane	13.95	117	14231	10.416	ug/l	91
91) 1,2-Dichlorobenzene	13.73	146	29939	9.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3867	10.928	ug/l	85

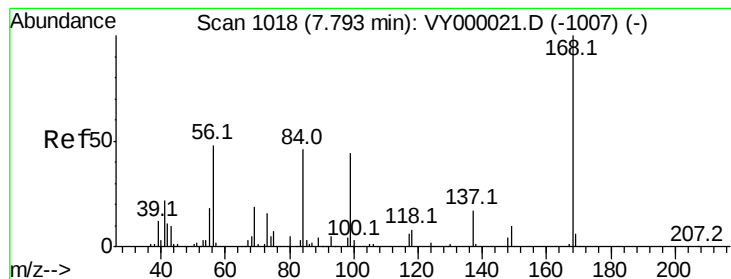
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	18812	9.776	ug/l	96
94) Hexachlorobutadiene	15.11	225	8483	9.611	ug/l	94
95) Naphthalene	15.22	128	53152	10.096	ug/l	98
96) 1,2,3-Trichlorobenzene	15.41	180	17768	10.286	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

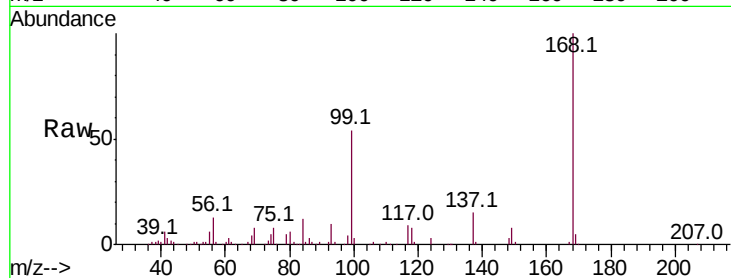
ClientSampled :

Tot Ion:168 Resp: 141700

Ion Ratio Lower Upper

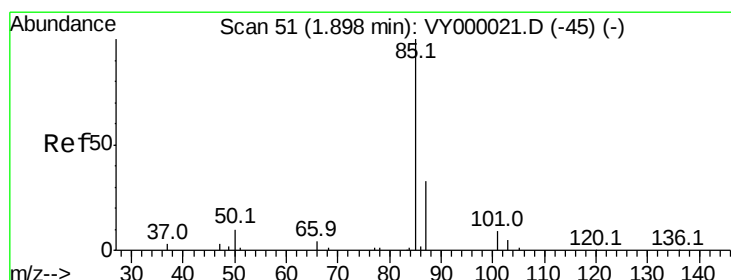
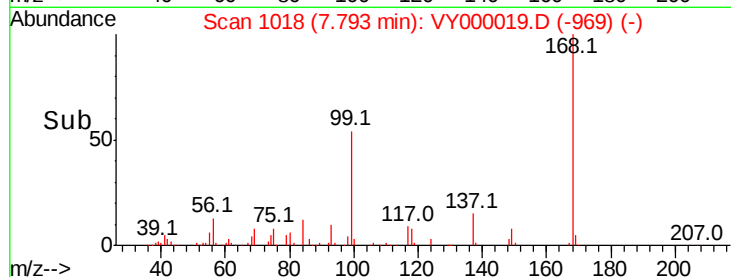
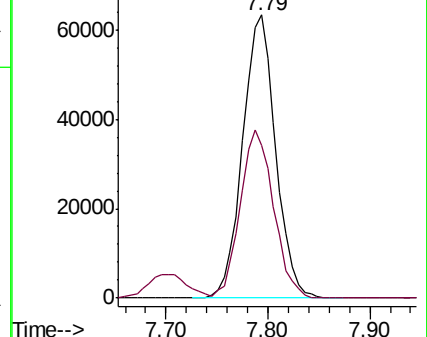
168 100

99 53.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000021.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000021.D (-1007) (-)



#2

Dichlorodifluoromethane

Concen: 10.899 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000019.D

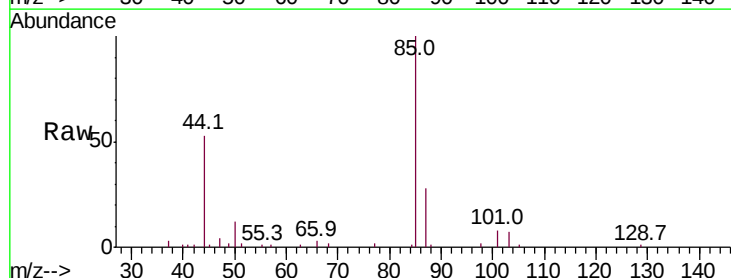
Acq: 12 Sep 2019 11:32

Tgt Ion: 85 Resp: 11389

Ion Ratio Lower Upper

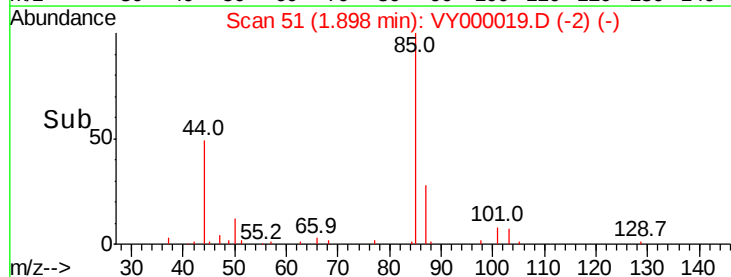
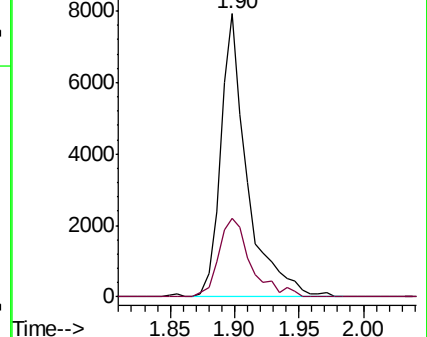
85 100

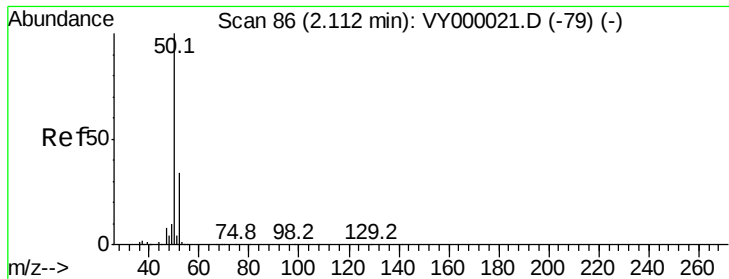
87 27.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000021.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000021.D (-45) (-)





#3

Chloromethane

Concen: 11.866 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

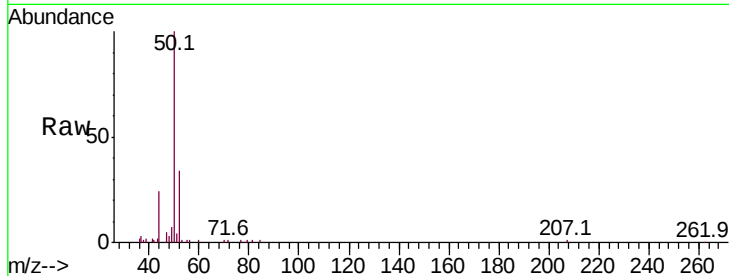
ClientSampled :

Tot Ion: 50 Resp: 20170

Ion Ratio Lower Upper

50 100

52 33.7 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

15000

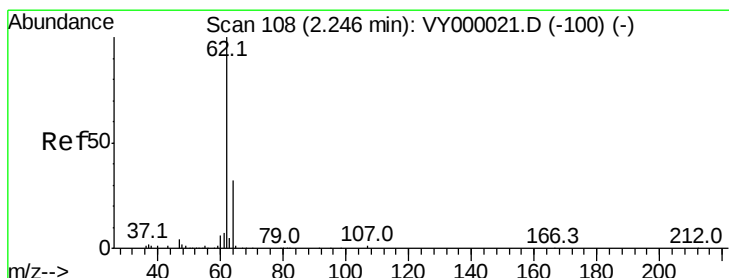
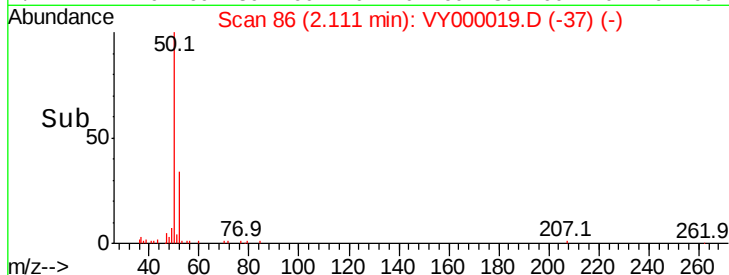
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 10.194 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000019.D

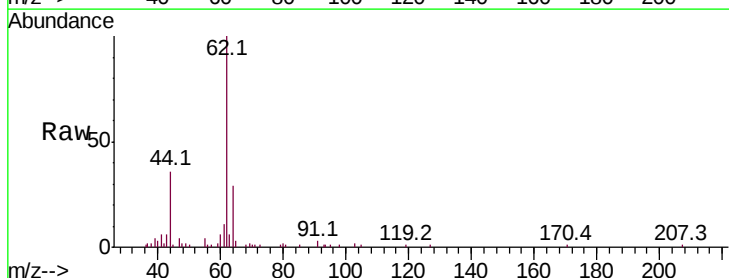
Acq: 12 Sep 2019 11:32

Tgt Ion: 62 Resp: 16153

Ion Ratio Lower Upper

62 100

64 29.4 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

10000

8000

6000

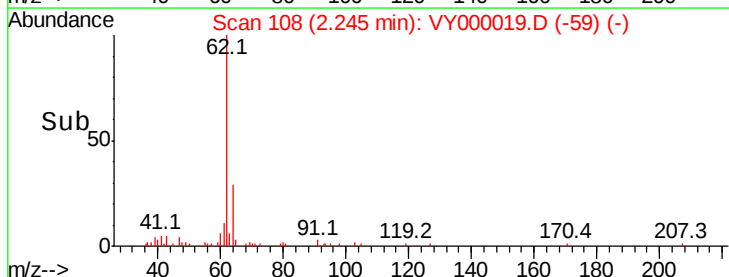
4000

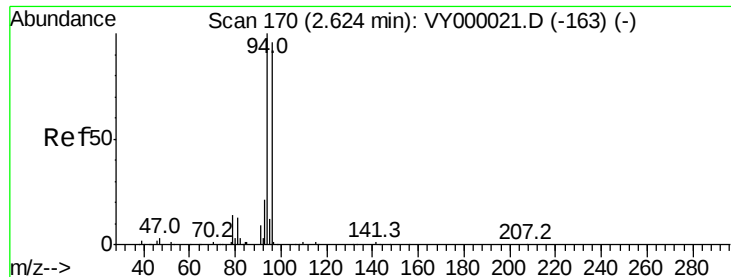
2000

0

Time-->

2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 11.326 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

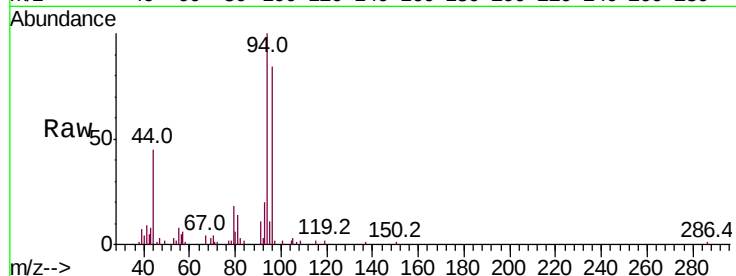
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 11407

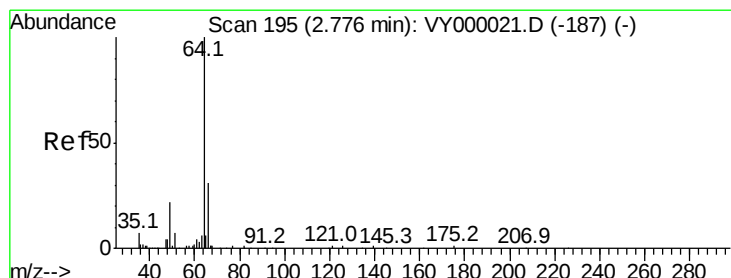
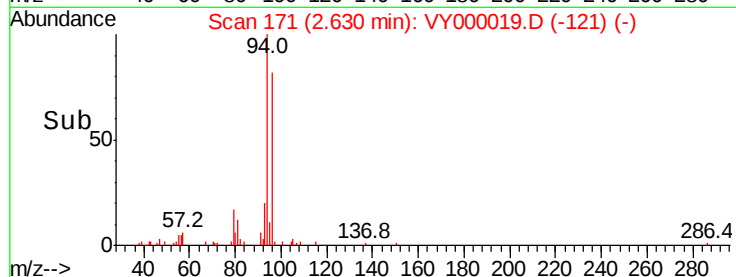
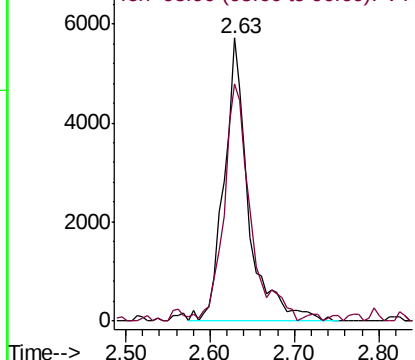
Ion Ratio Lower Upper

94 100

96 82.6 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: 9.631 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000019.D

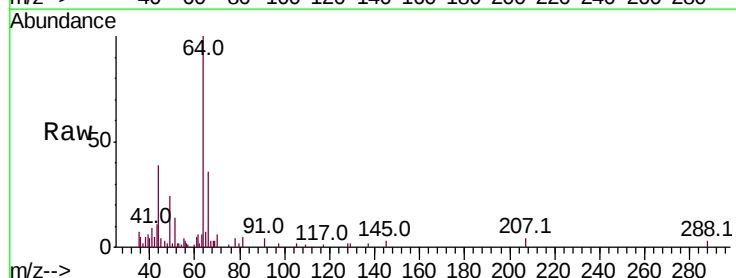
Acq: 12 Sep 2019 11:32

Tgt Ion: 64 Resp: 10160

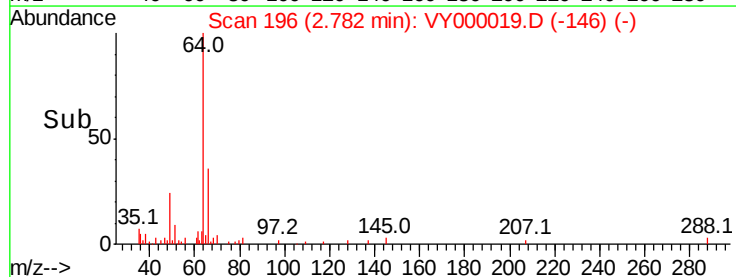
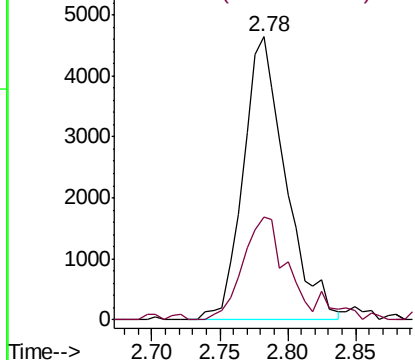
Ion Ratio Lower Upper

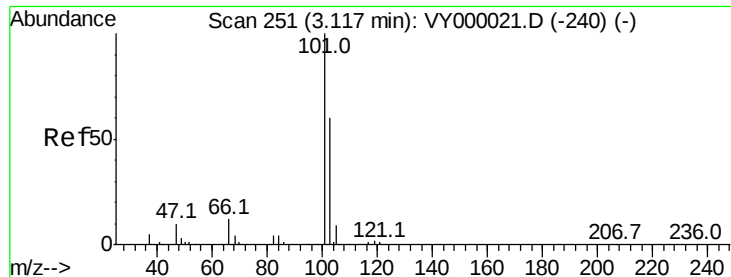
64 100

66 36.5 25.0 37.6



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



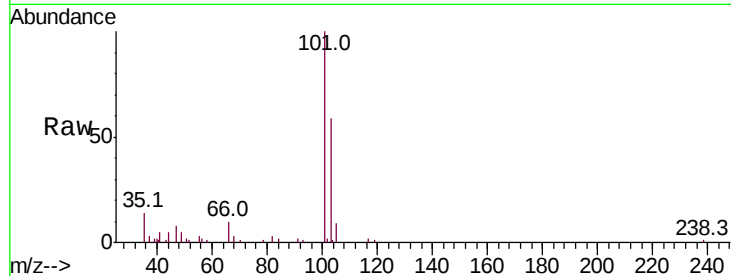


#7

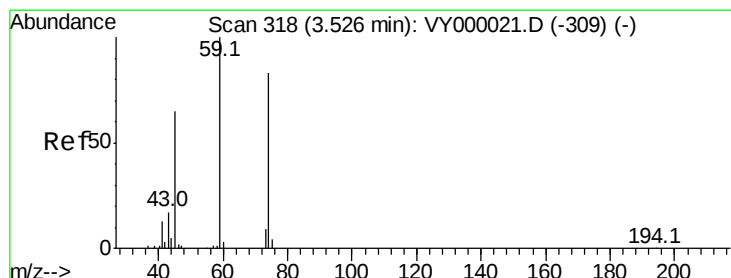
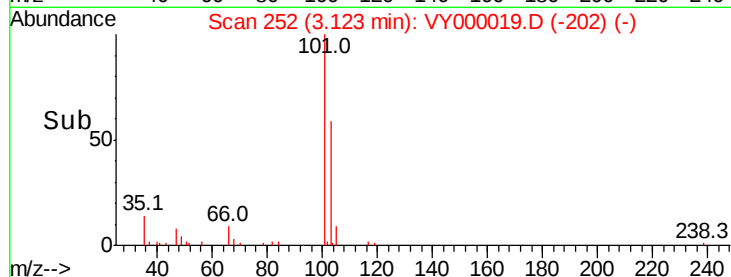
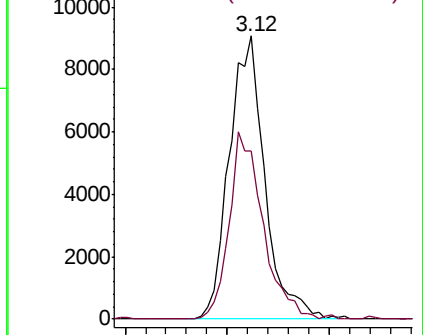
Trichlorofluoromethane
Concen: 10.658 ug/l
RT: 3.12 min Scan# 252
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:101 Resp: 21945
Ion Ratio Lower Upper
101 100
103 59.4 48.1 72.1



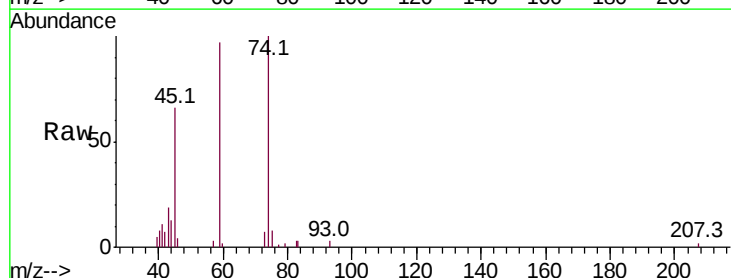
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



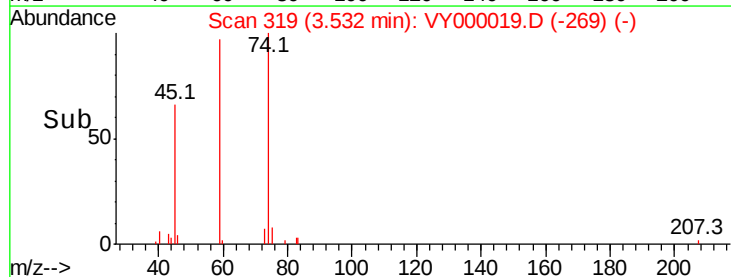
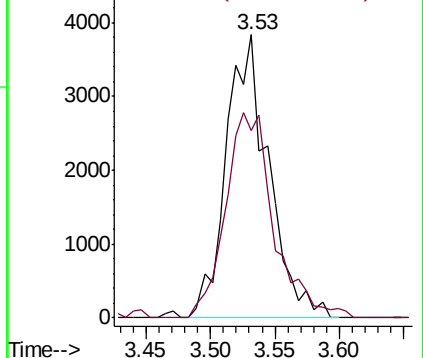
#8

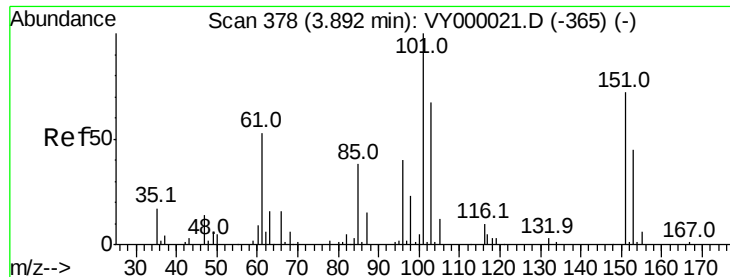
Diethyl Ether
Concen: 10.415 ug/l
RT: 3.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 74 Resp: 8813
Ion Ratio Lower Upper
74 100
45 82.4 41.9 125.6



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

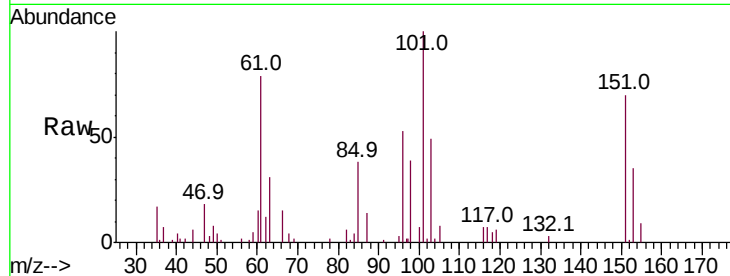




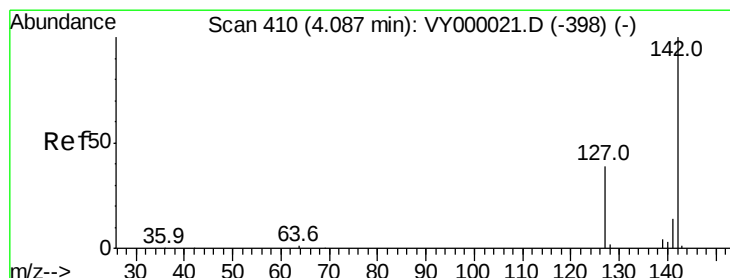
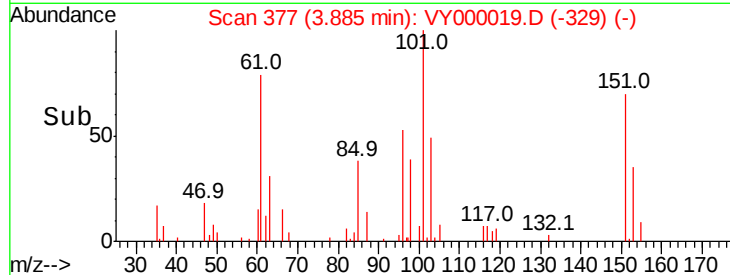
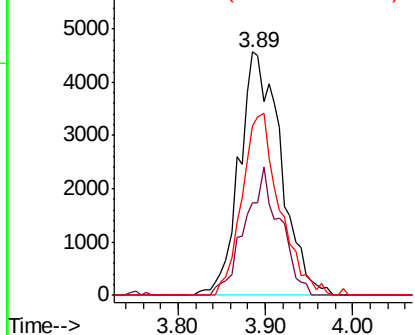
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.781 ug/l
 RT: 3.89 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:101 Resp: 15106
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.3 52.9
 151 67.5 55.9 83.9

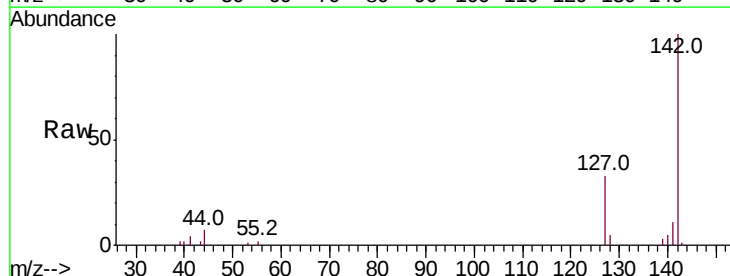


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 150.80 (150.50 to 151.50): V

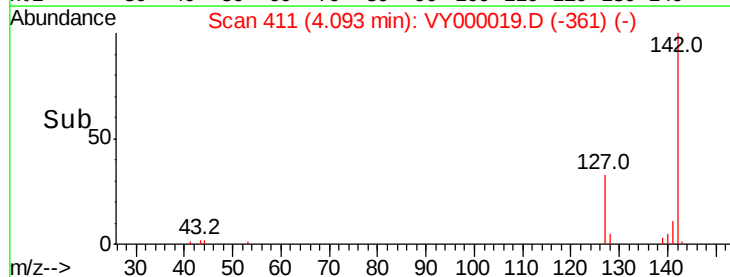
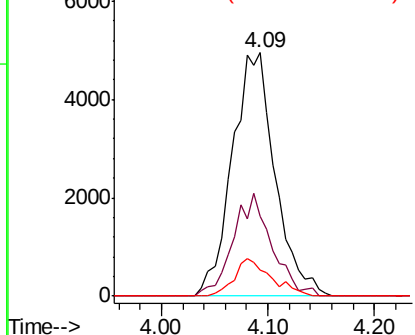


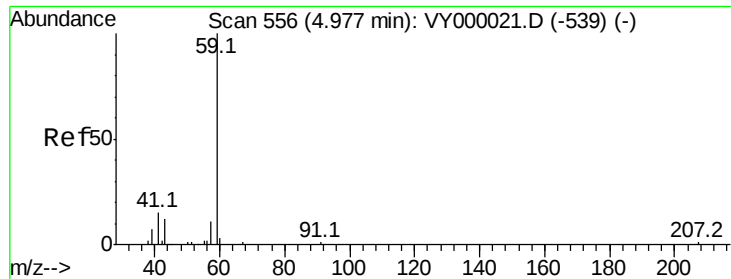
#10
 Methyl Iodide
 Concen: 9.126 ug/l
 RT: 4.09 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion:142 Resp: 13983
 Ion Ratio Lower Upper
 142 100
 127 38.0 31.4 47.2
 141 13.4 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

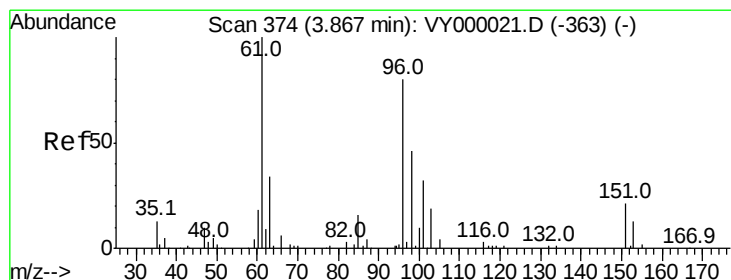
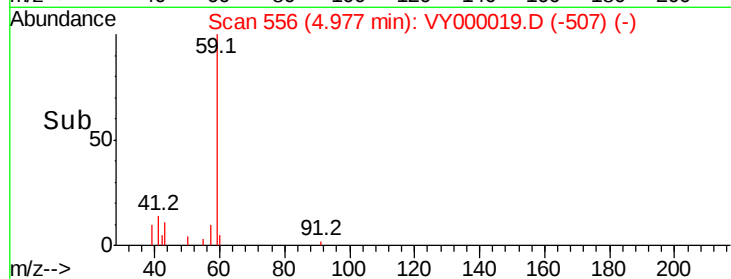
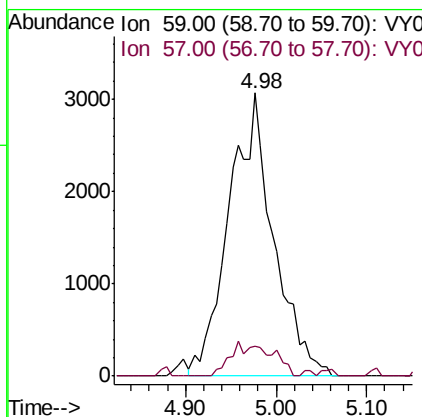
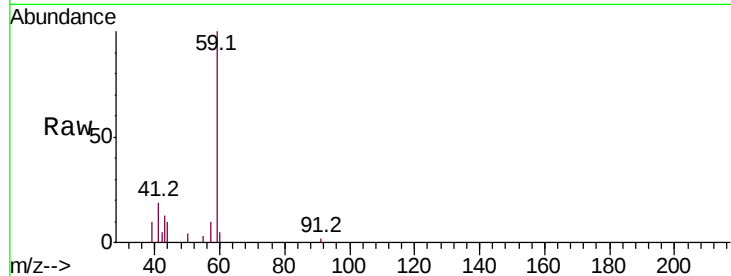




#11
Tert butyl alcohol
Concen: 53.865 ug/l
RT: 4.98 min Scan# 556
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

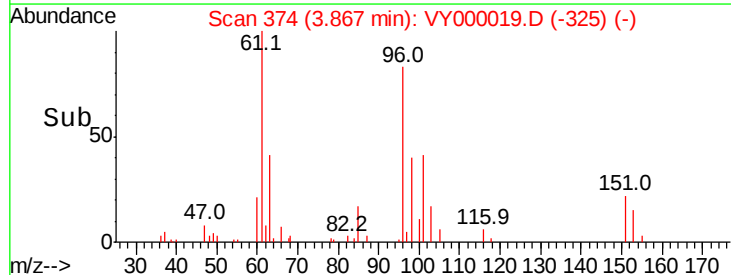
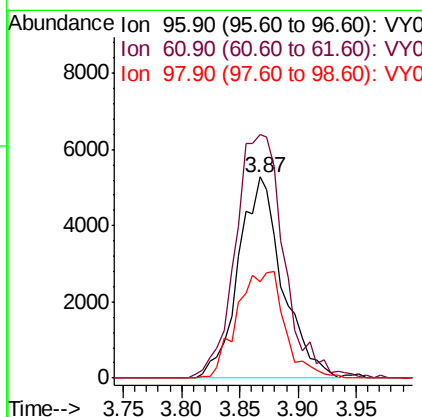
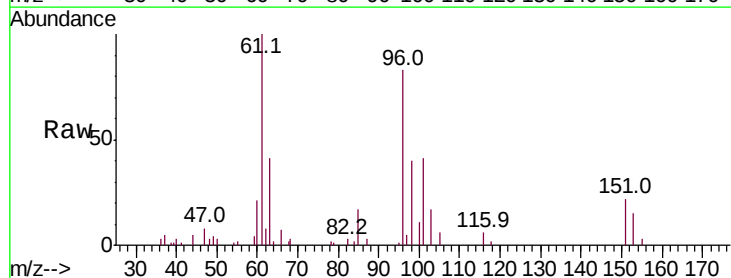
Instrument :
MSVOA_Y
ClientSampleId :

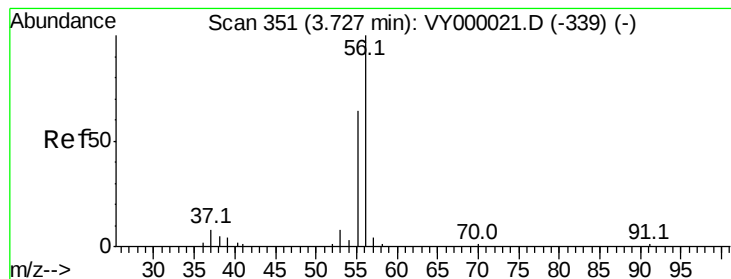
Tot Ion: 59 Resp: 10453
Ion Ratio Lower Upper
59 100
57 4.2 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 10.639 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 96 Resp: 13893
Ion Ratio Lower Upper
96 100
61 121.1 99.8 149.6
98 47.9 46.3 69.5





#13

Acrolein

Concen: 62.383 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

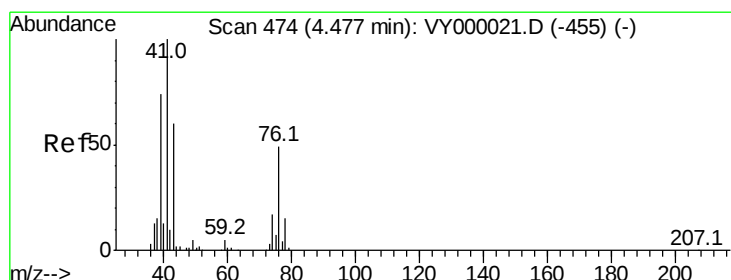
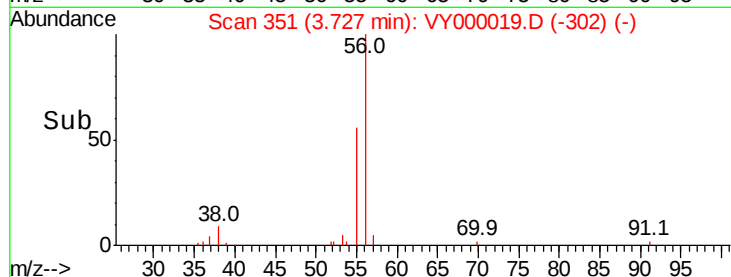
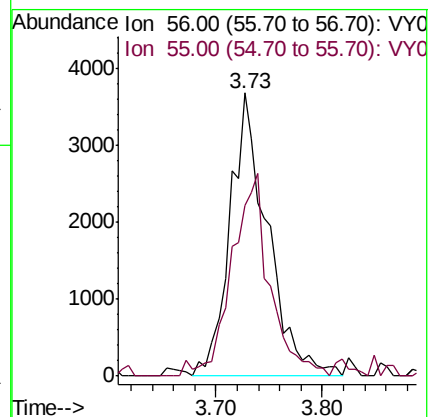
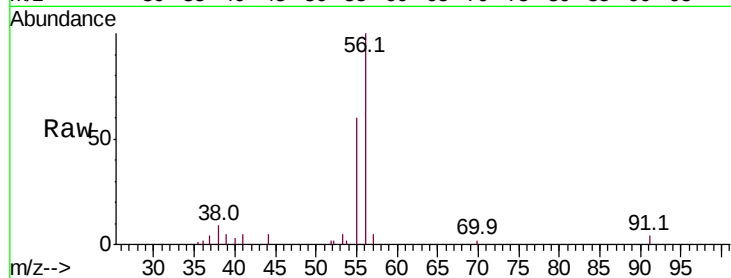
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 9082

Ion Ratio Lower Upper

56 100

55 72.4 56.7 85.1



#14

Allyl chloride

Concen: 11.030 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

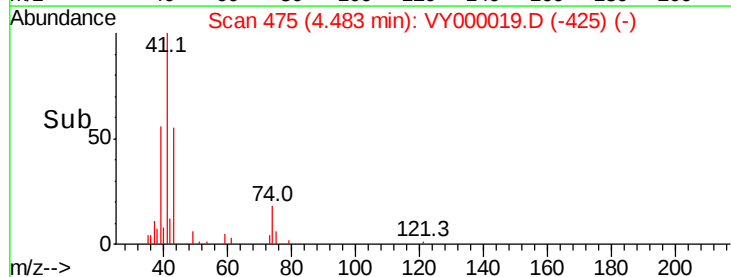
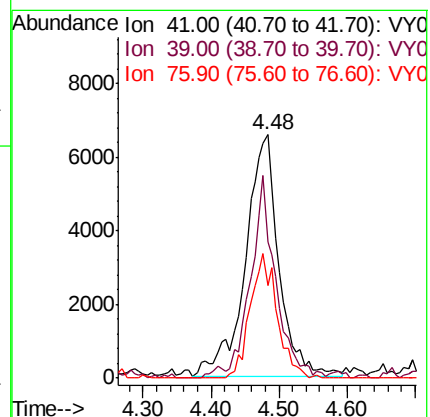
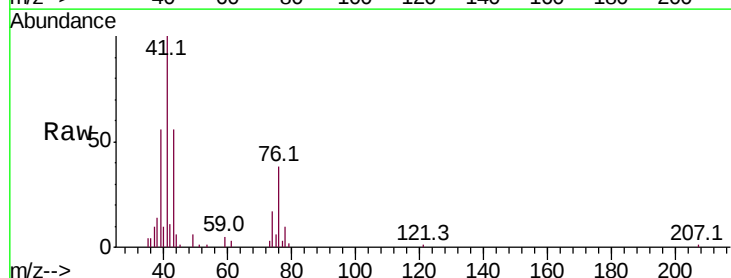
Tgt Ion: 41 Resp: 22364

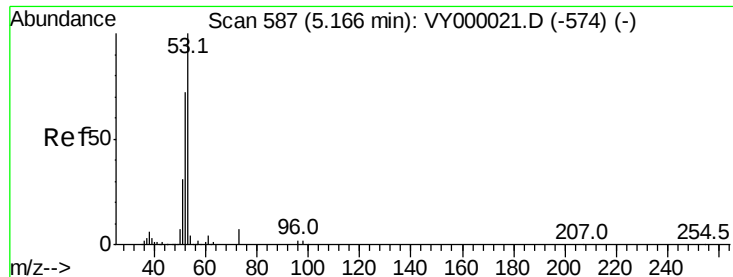
Ion Ratio Lower Upper

41 100

39 62.3 53.1 79.7

76 41.4 34.9 52.3





#15

Acrylonitrile

Concen: 51.593 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampled :

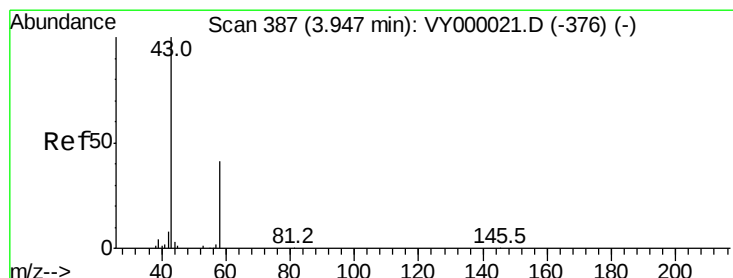
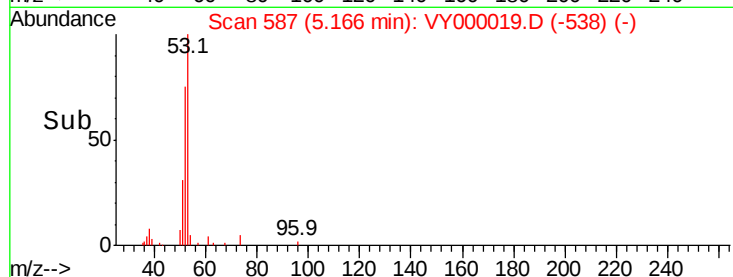
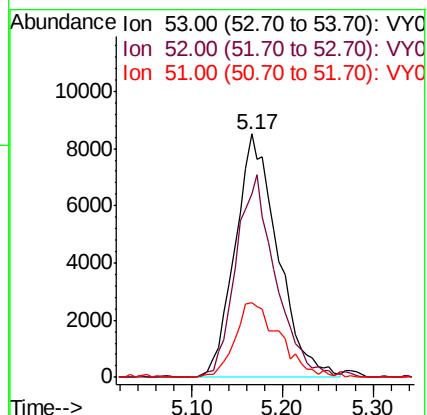
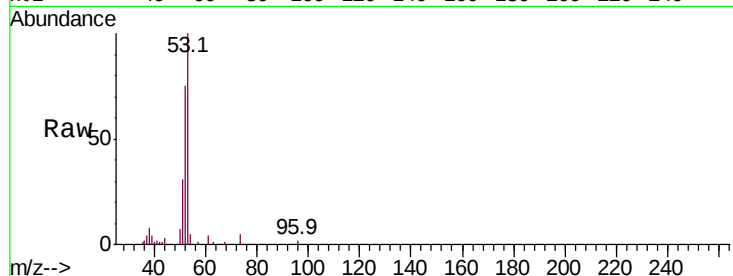
Tot Ion: 53 Resp: 27699

Ion Ratio Lower Upper

53 100

52 77.7 62.8 94.2

51 32.5 26.6 40.0



#16

Acetone

Concen: 55.003 ug/l

RT: 3.95 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000019.D

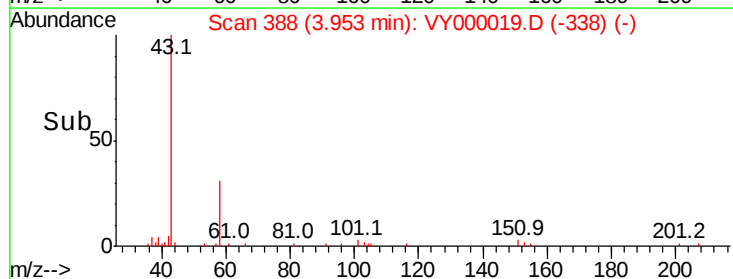
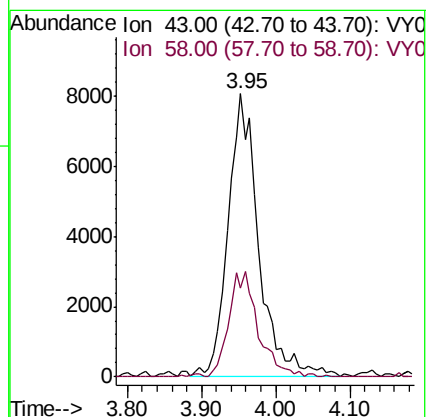
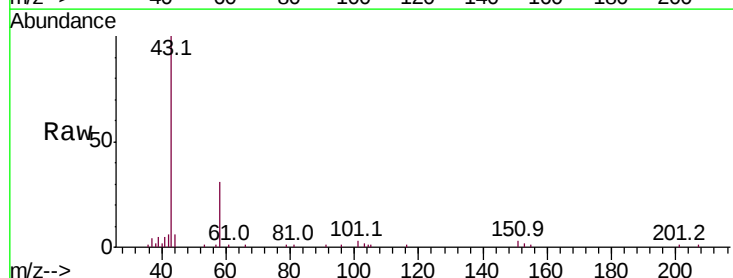
Acq: 12 Sep 2019 11:32

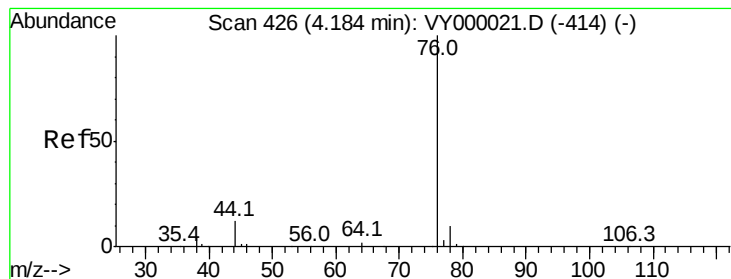
Tgt Ion: 43 Resp: 23278

Ion Ratio Lower Upper

43 100

58 31.5 32.5 48.7#





#17

Carbon Disulfide

Concen: 9.782 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

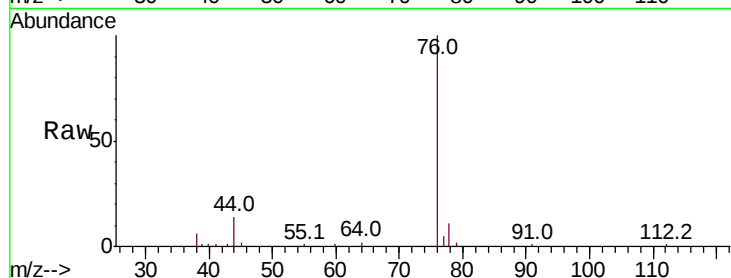
ClientSampleId :

Tot Ion: 76 Resp: 25724

Ion Ratio Lower Upper

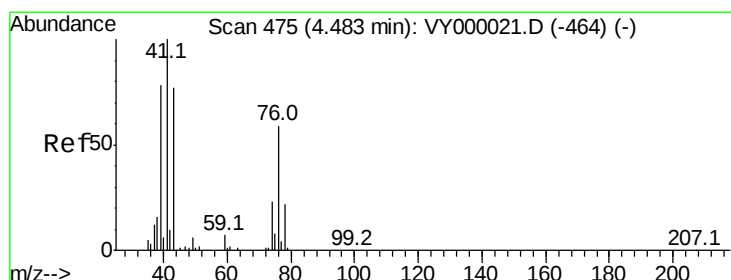
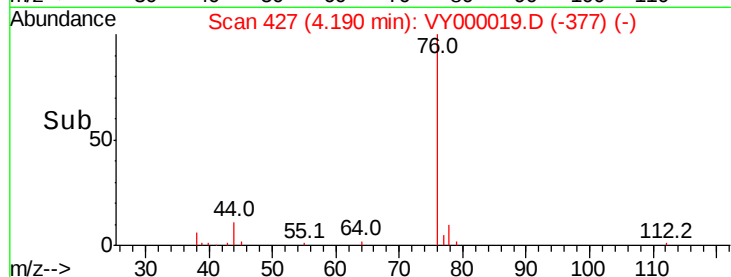
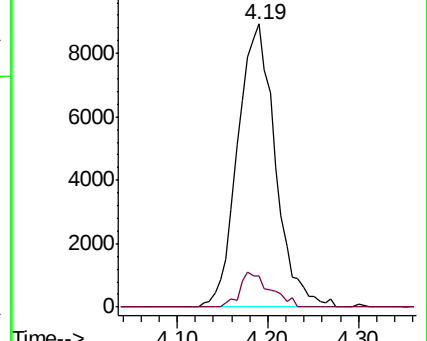
76 100

78 11.1 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: 9.812 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.01 min

Lab File: VY000019.D

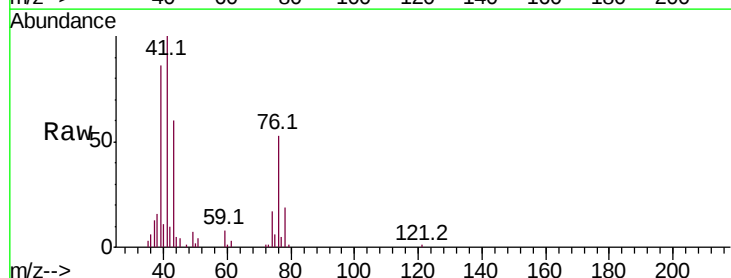
Acq: 12 Sep 2019 11:32

Tgt Ion: 43 Resp: 11685

Ion Ratio Lower Upper

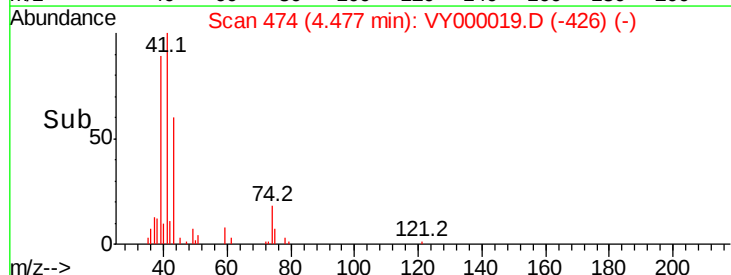
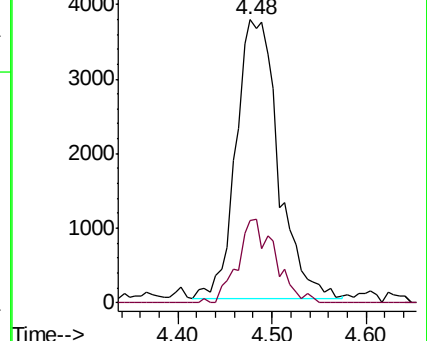
43 100

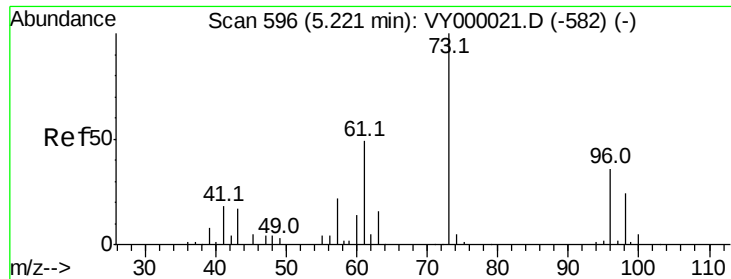
74 26.8 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

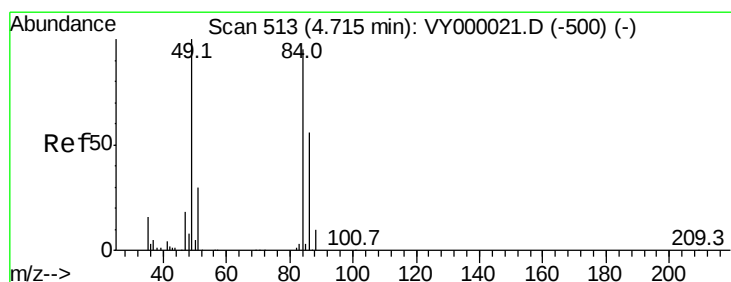
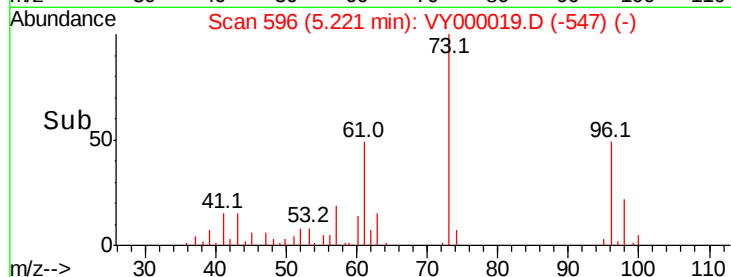
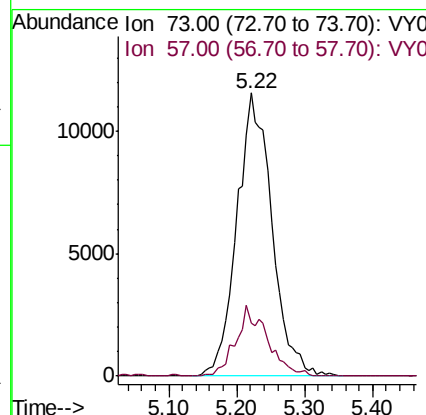
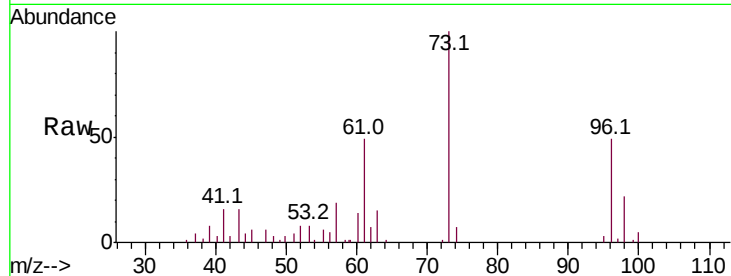




#19
Methyl tert-butyl Ether
Concen: 10.405 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

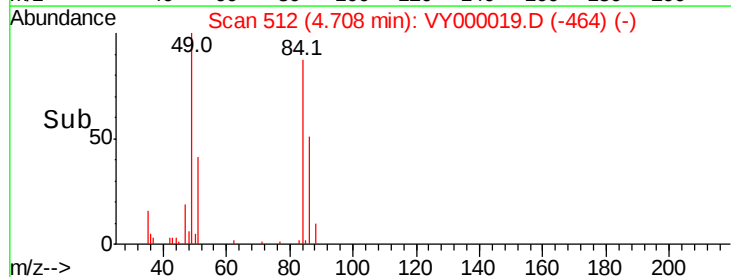
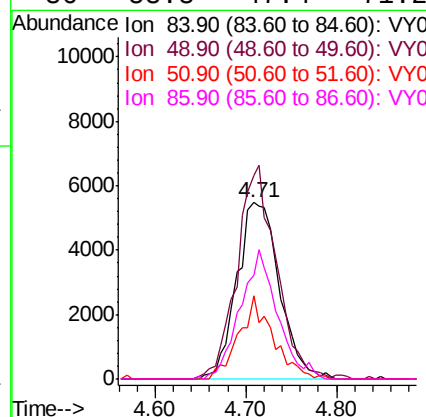
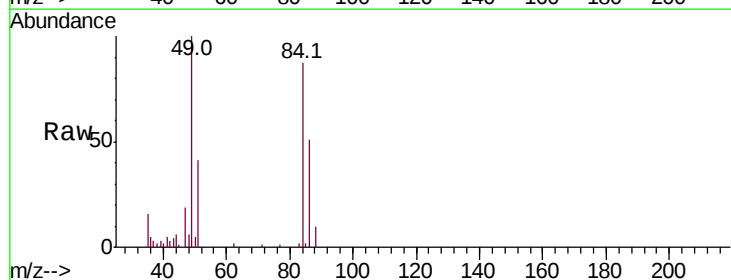
Instrument :
MSVOA_Y
ClientSampleId :

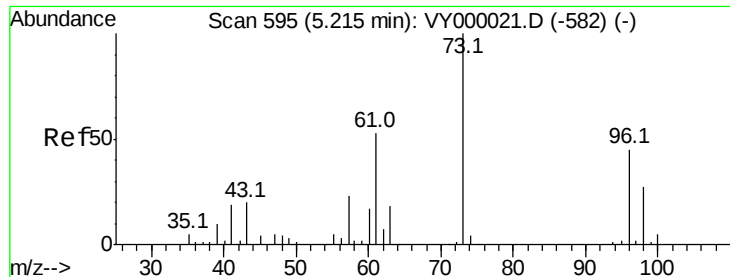
Tot Ion: 73 Resp: 41153
Ion Ratio Lower Upper
73 100
57 18.6 17.8 26.8



#20
Methylene Chloride
Concen: 10.571 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 84 Resp: 17836
Ion Ratio Lower Upper
84 100
49 115.4 84.4 126.6
51 47.1 25.4 38.0#
86 58.8 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 10.503 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampled :

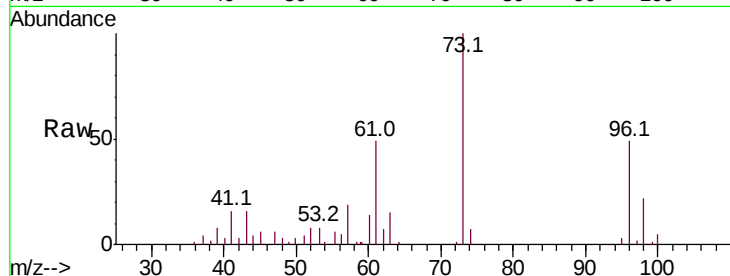
Tot Ion: 96 Resp: 15186

Ion Ratio Lower Upper

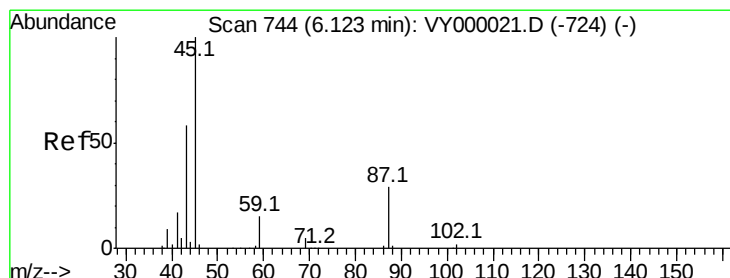
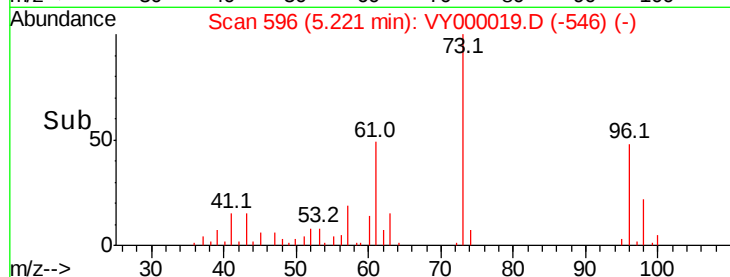
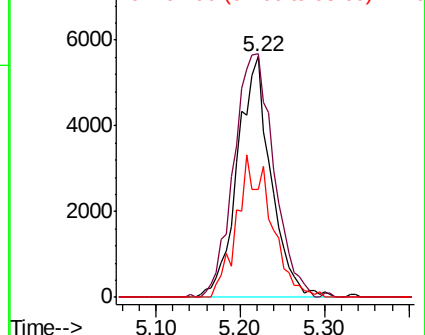
96 100

61 101.2 95.3 142.9

98 45.0 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: 10.142 ug/l

RT: 6.13 min Scan# 745

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion: 45 Resp: 45395

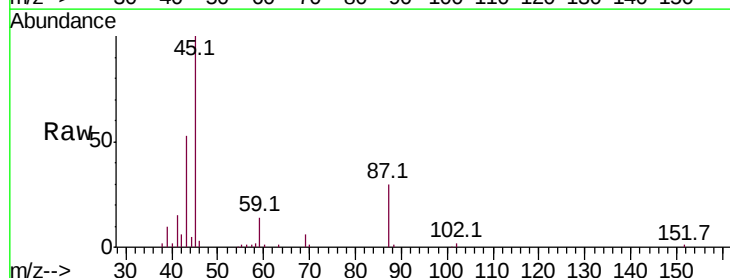
Ion Ratio Lower Upper

45 100

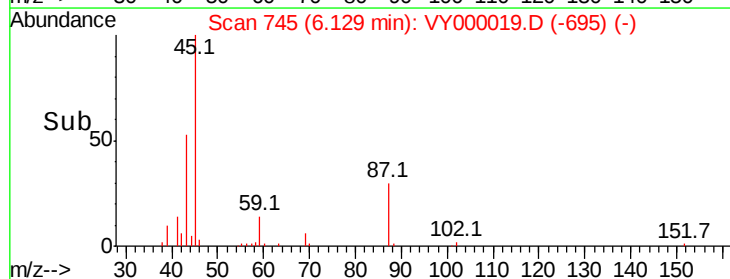
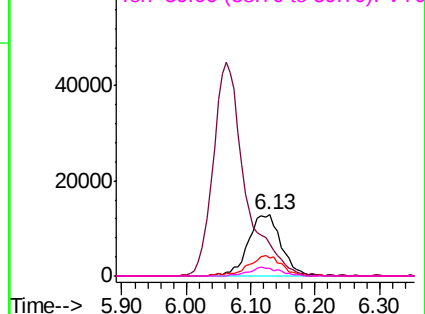
43 51.5 47.0 70.4

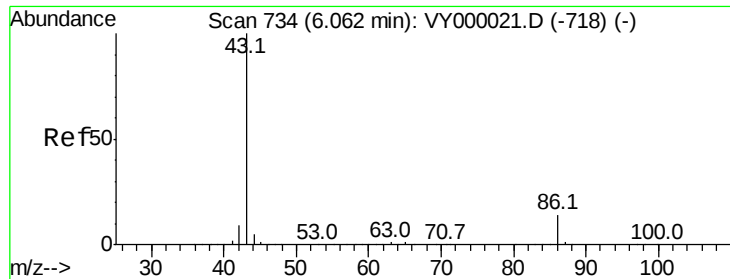
87 30.0 23.1 34.7

59 13.6 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: 50.144 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

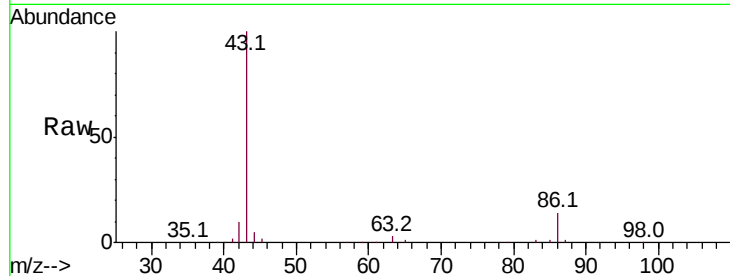
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 155264

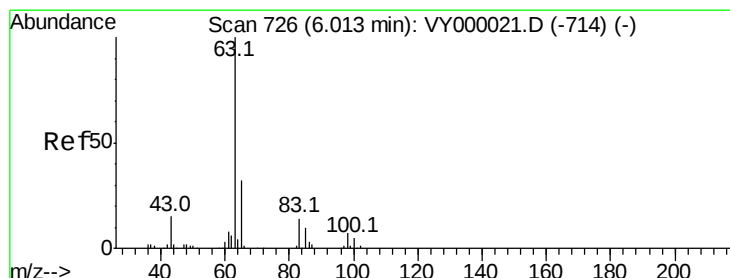
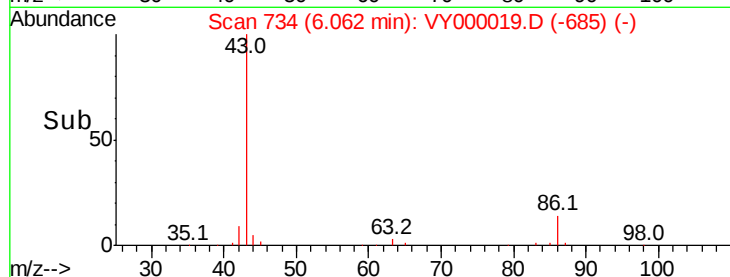
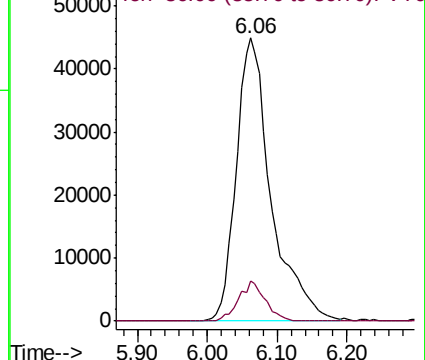
Ion Ratio Lower Upper

43 100

86 14.3 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: 10.273 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

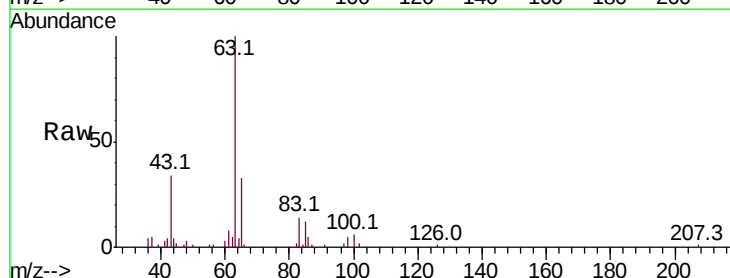
Tgt Ion: 63 Resp: 27248

Ion Ratio Lower Upper

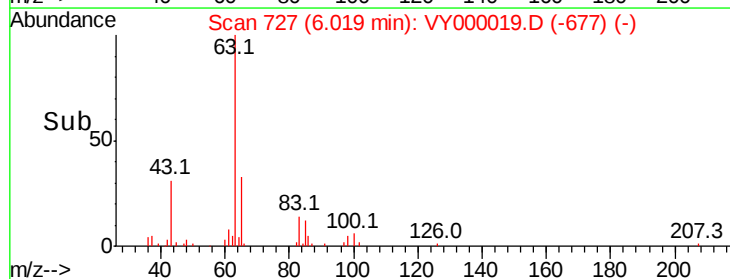
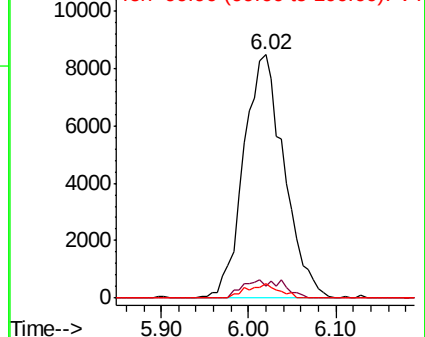
63 100

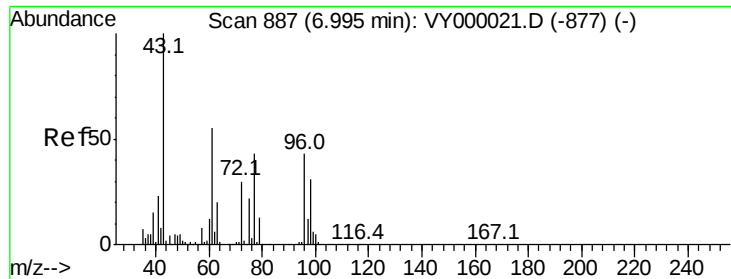
98 5.1 3.8 11.2

100 6.2 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: 50.677 ug/l

RT: 6.99 min Scan# 887

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

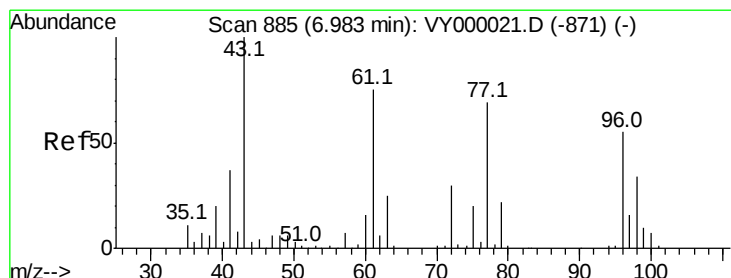
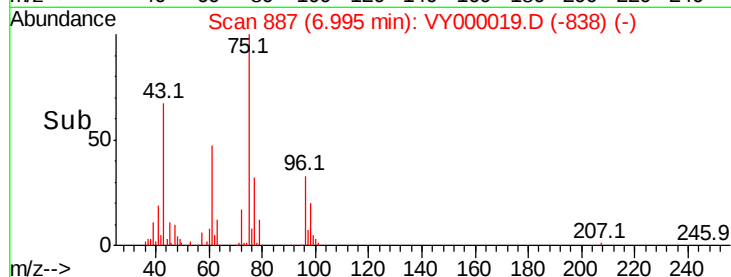
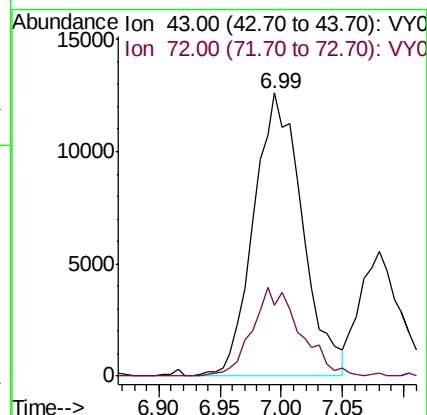
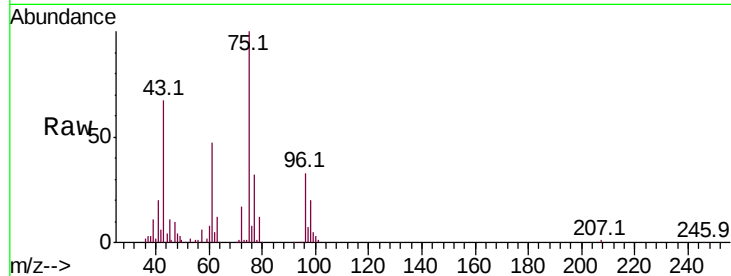
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 34862

Ion Ratio Lower Upper

43 100

72 24.9 24.1 36.1



#26

2,2-Dichloropropane

Concen: 10.676 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000019.D

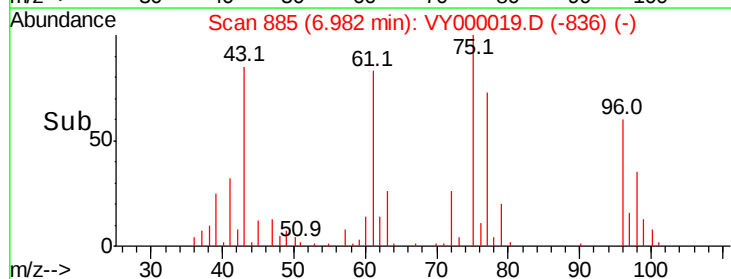
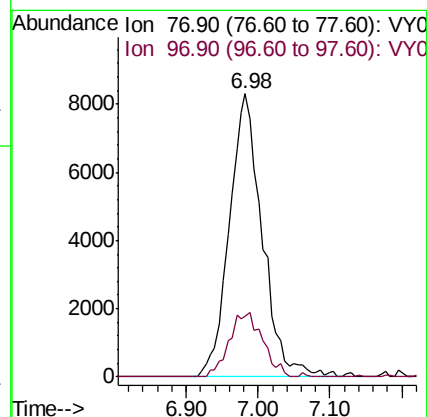
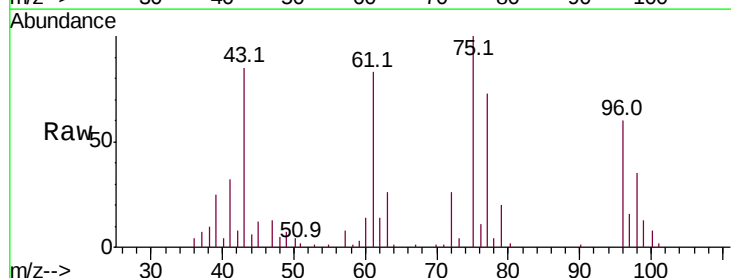
Acq: 12 Sep 2019 11:32

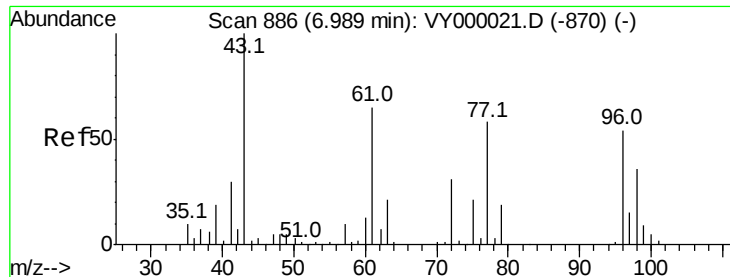
Tgt Ion: 77 Resp: 26305

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.1



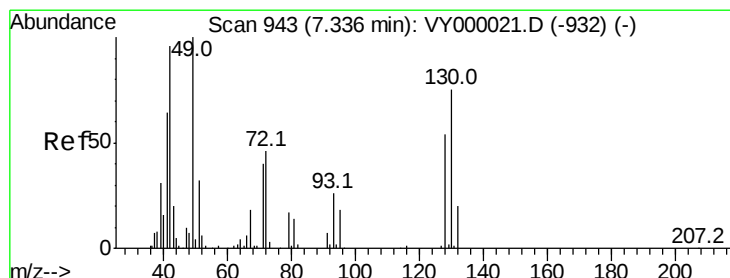
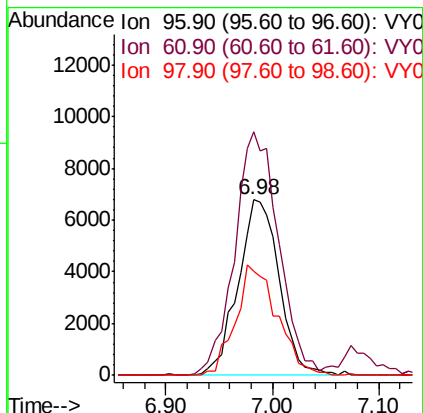
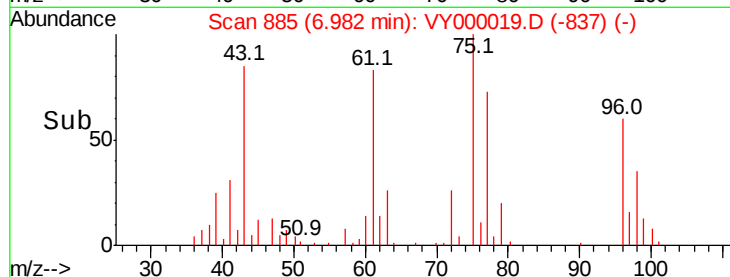
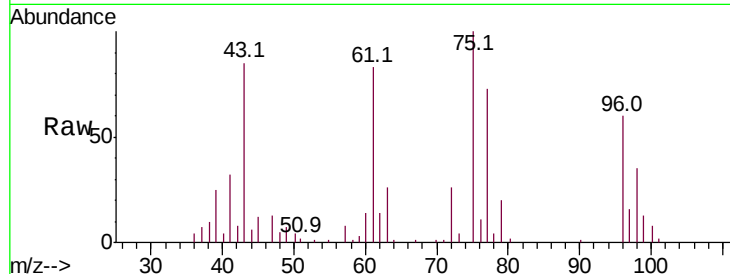


#27

cis-1,2-Dichloroethene
Concen: 10.107 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampled :

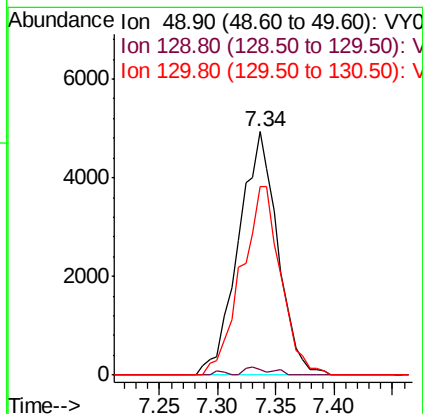
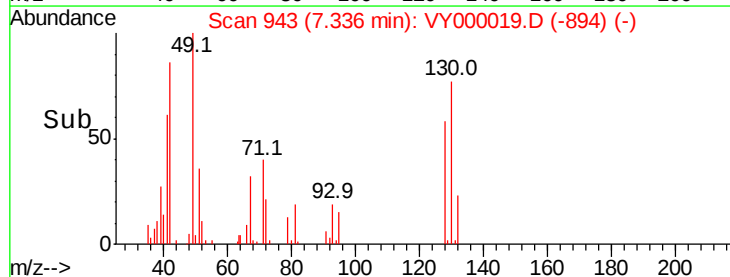
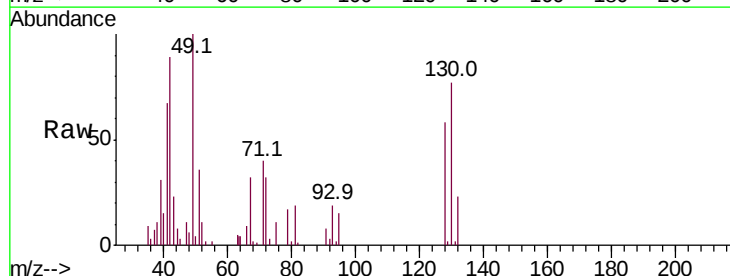
Tot Ion	96	Resp	18438
Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	259.2
98	63.5	0.0	127.4

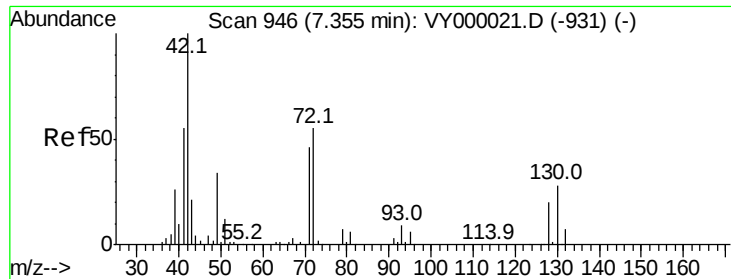


#28

Bromochloromethane
Concen: 9.475 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	49	Resp	11541
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	1.8#
130	77.9	62.5	93.7





#29

Tetrahydrofuran

Concen: 50.786 ug/l

RT: 7.36 min Scan# 947

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampled :

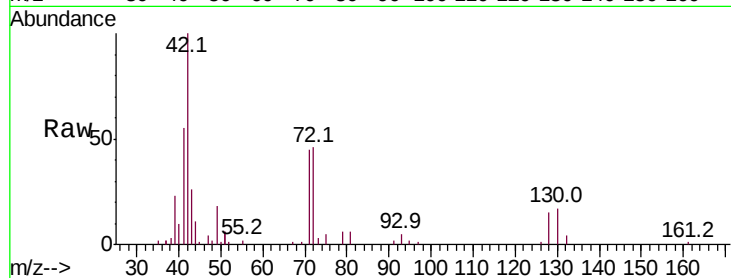
Tot Ion: 42 Resp: 20783

Ion Ratio Lower Upper

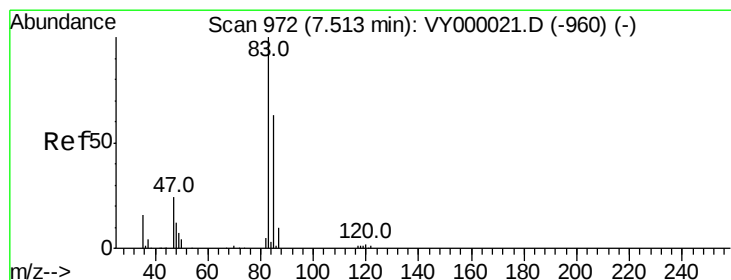
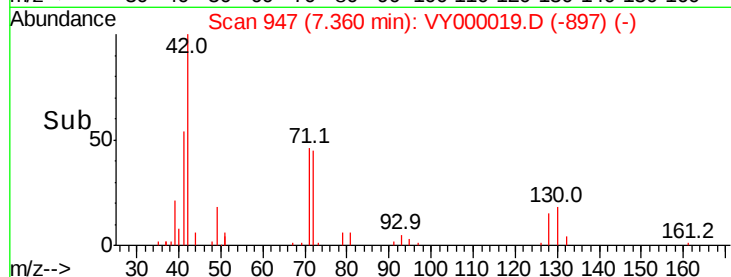
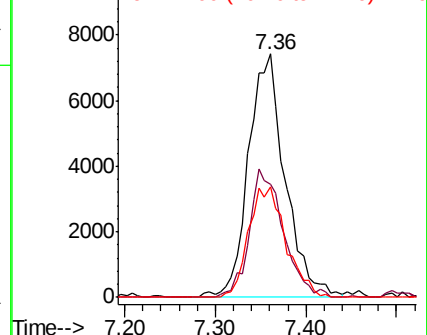
42 100

72 48.8 41.1 61.7

71 46.1 36.5 54.7



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



#30

Chloroform

Concen: 10.743 ug/l

RT: 7.51 min Scan# 971

Delta R.T. -0.01 min

Lab File: VY000019.D

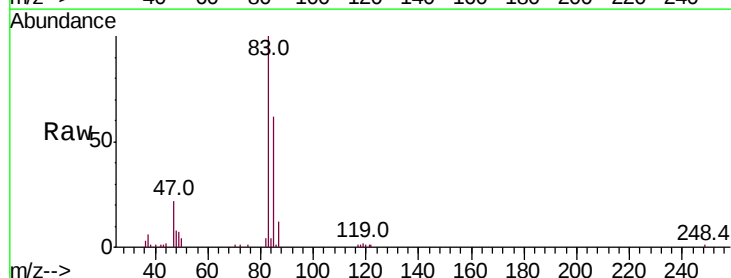
Acq: 12 Sep 2019 11:32

Tgt Ion: 83 Resp: 29384

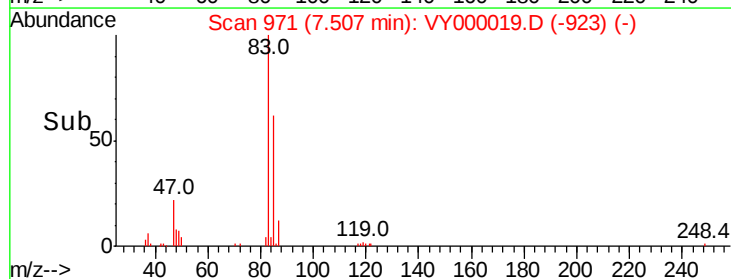
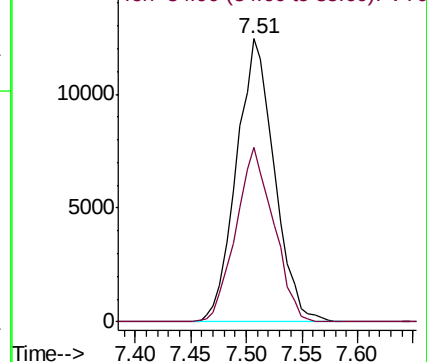
Ion Ratio Lower Upper

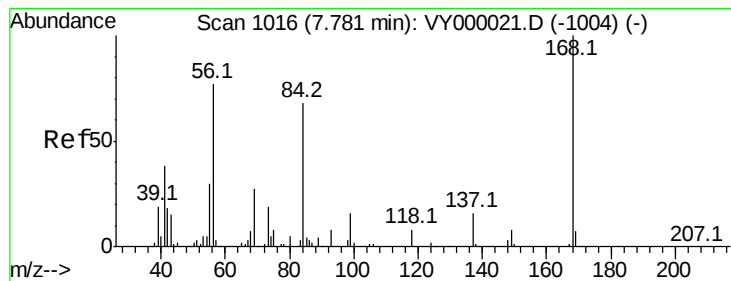
83 100

85 61.9 50.6 76.0



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





#31

Cyclohexane

Concen: 10.769 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampled :

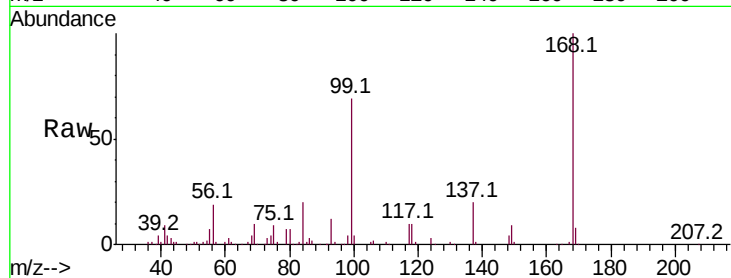
Tot Ion: 56 Resp: 23806

Ion Ratio Lower Upper

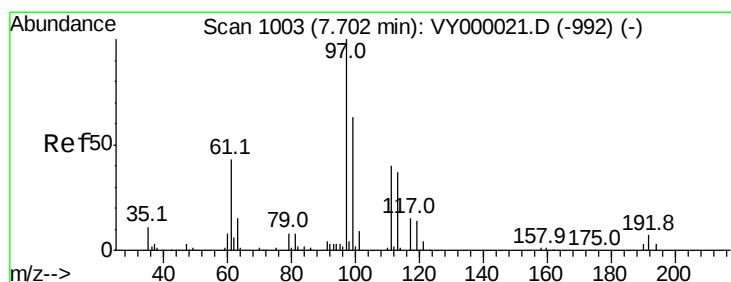
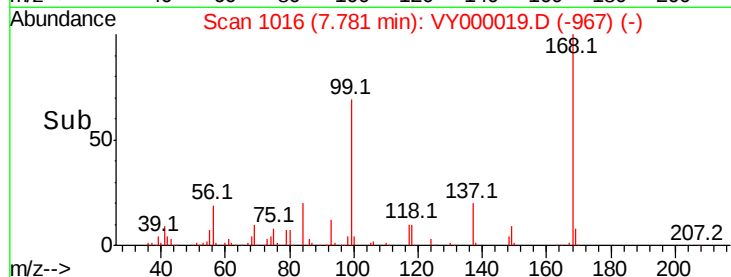
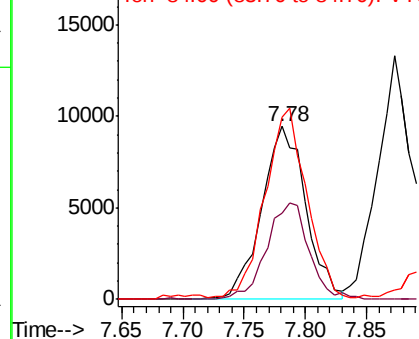
56 100

69 49.6 28.0 42.0#

84 103.1 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 10.554 ug/l

RT: 7.71 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

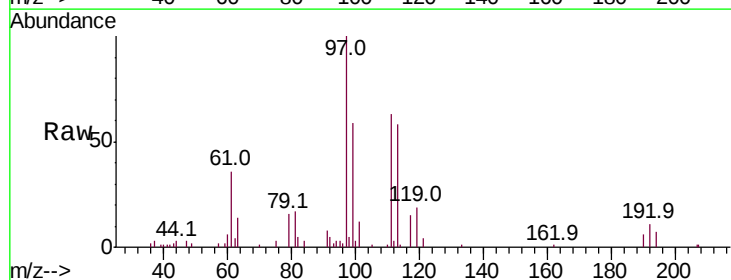
Tgt Ion: 97 Resp: 23680

Ion Ratio Lower Upper

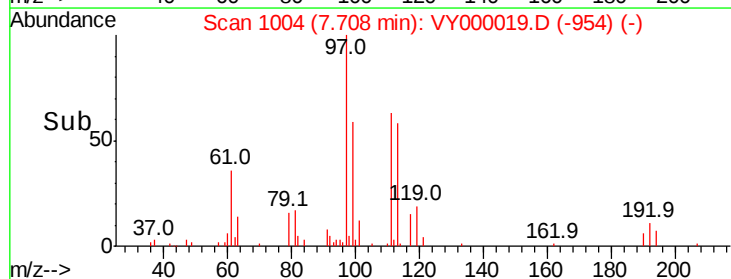
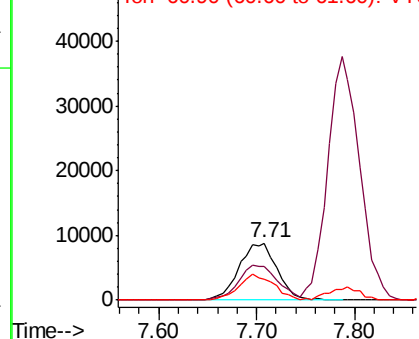
97 100

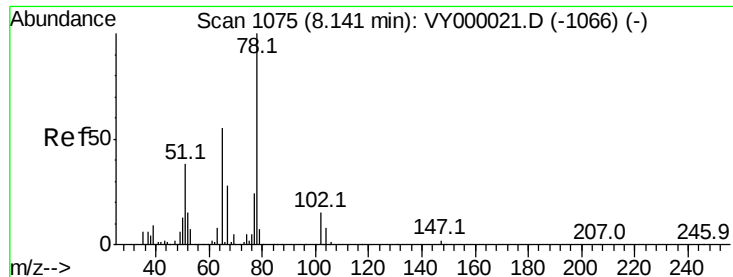
99 63.1 51.0 76.6

61 42.3 35.7 53.5



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





#33

1,2-Dichloroethane-d4

Concen: 10.955 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

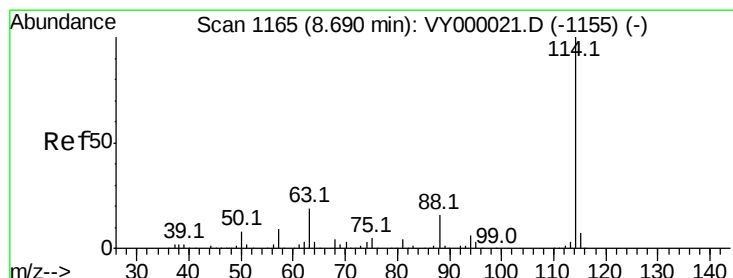
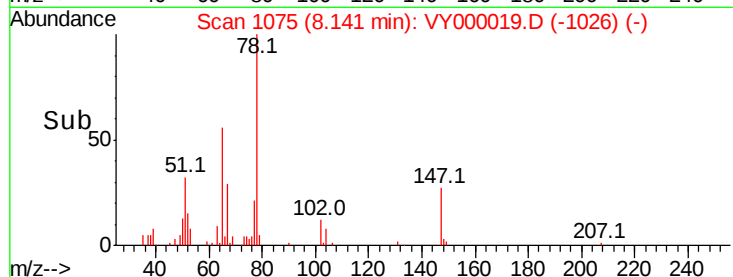
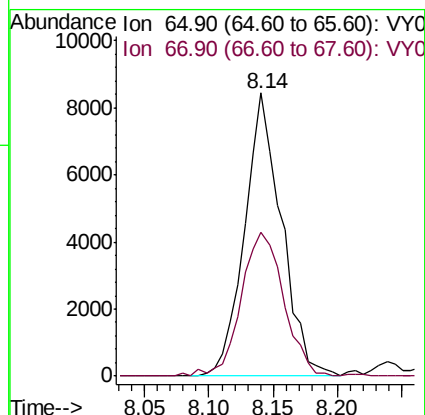
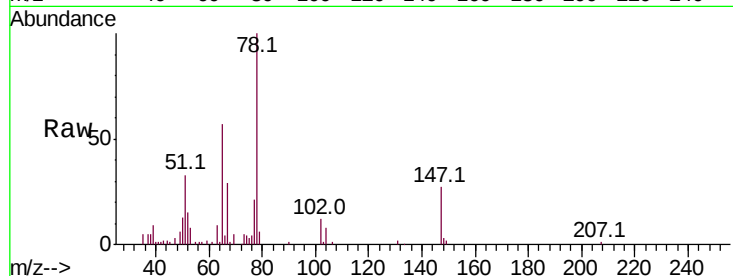
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 16721

Ion Ratio Lower Upper

65 100

67 58.6 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: VY000019.D

Acq: 12 Sep 2019 11:32

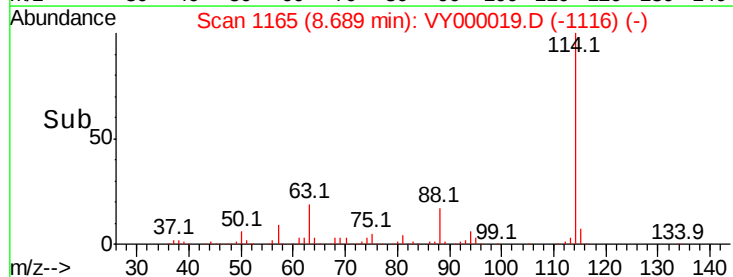
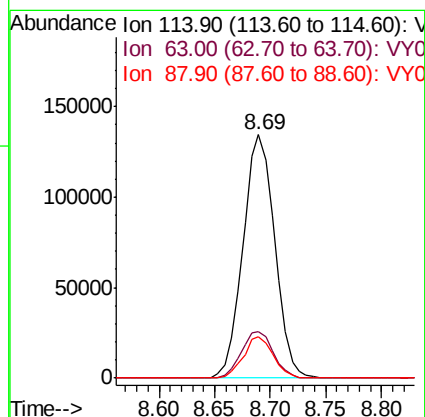
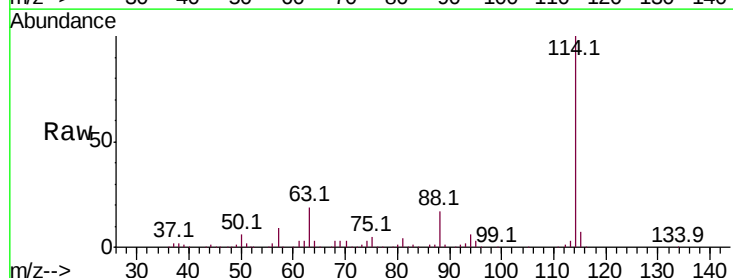
Tgt Ion: 114 Resp: 266096

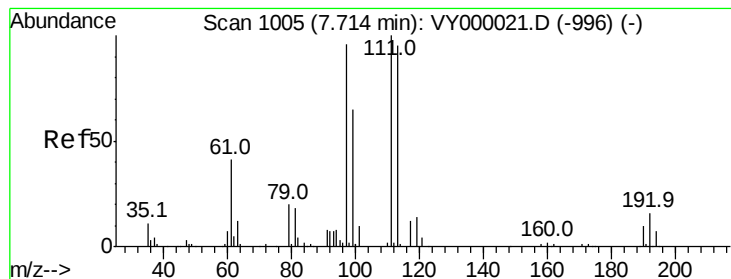
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 16.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 11.028 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

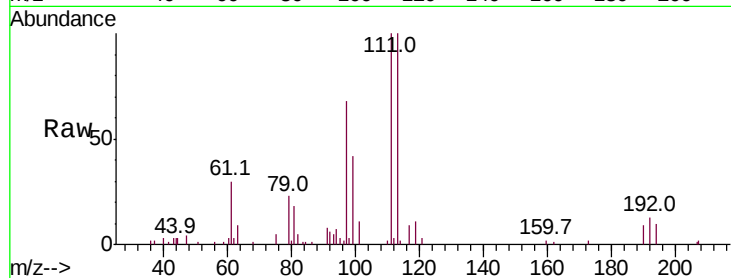
Tot Ion:113 Resp: 16835

Ion Ratio Lower Upper

113 100

111 105.7 83.9 125.9

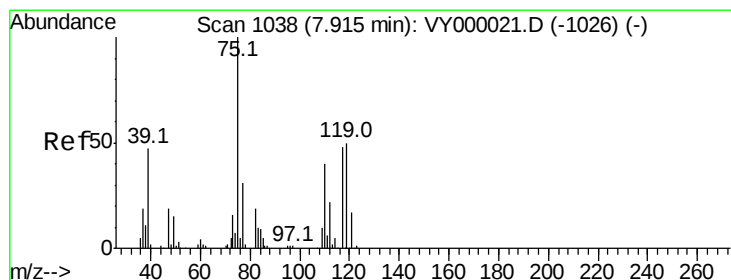
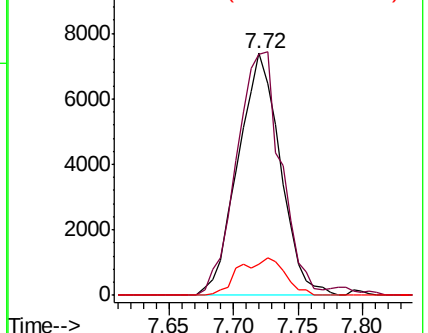
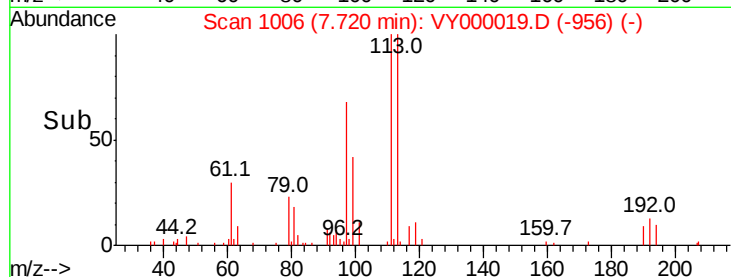
192 16.7 14.5 21.7



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: 10.938 ug/l

RT: 7.92 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

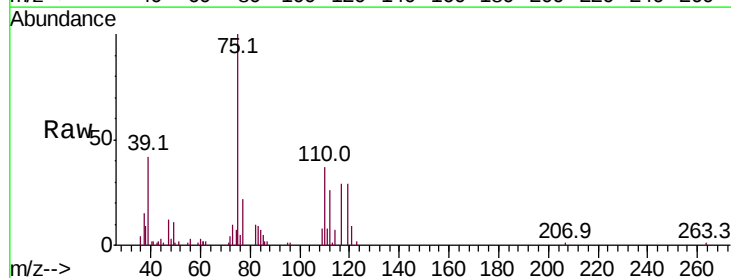
Tgt Ion: 75 Resp: 21370

Ion Ratio Lower Upper

75 100

110 35.8 18.6 55.8

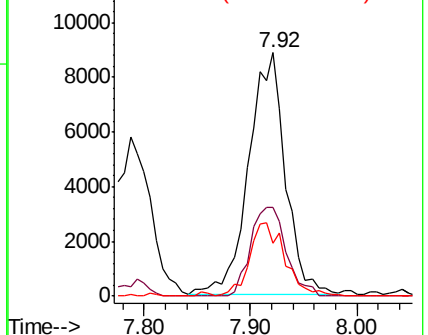
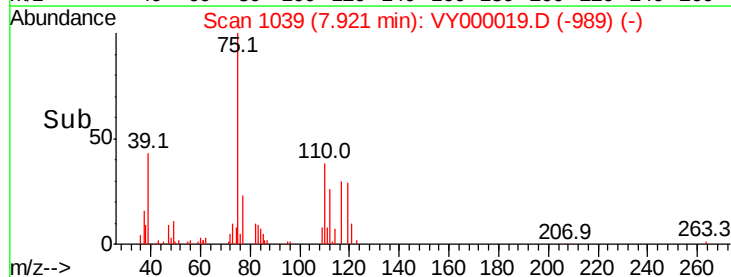
77 29.4 24.4 36.6

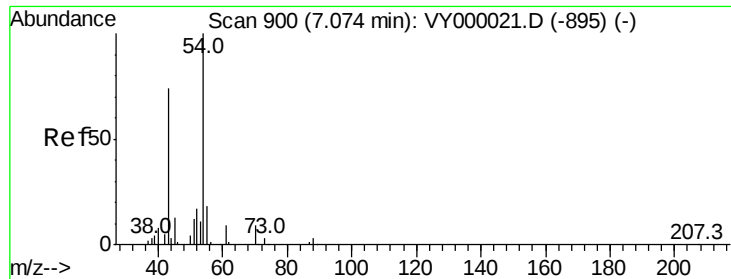


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

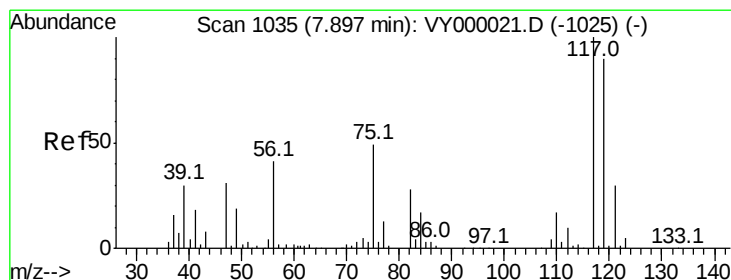
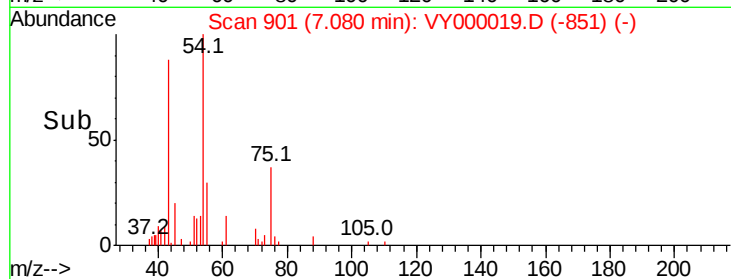
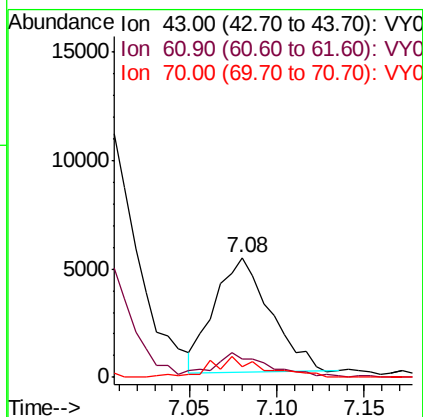
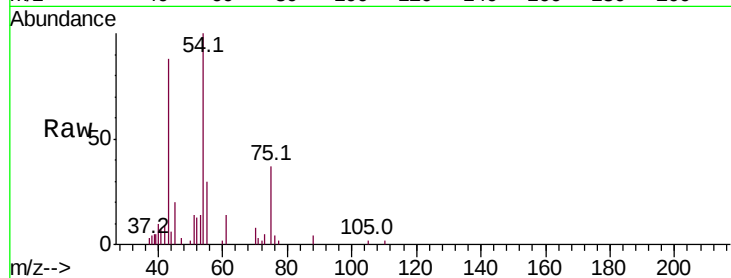




#37
Ethyl Acetate
Concen: 8.929 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

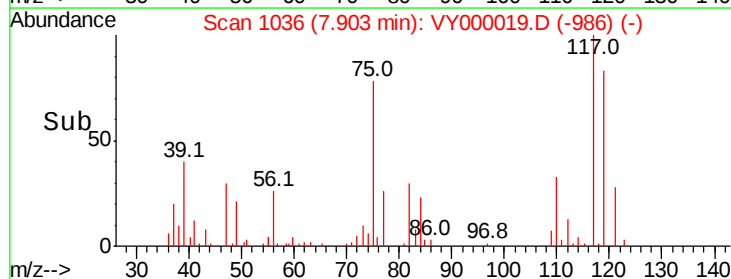
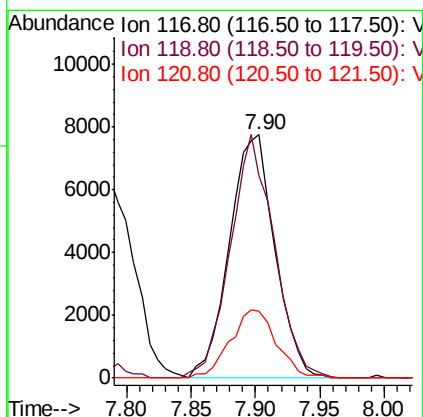
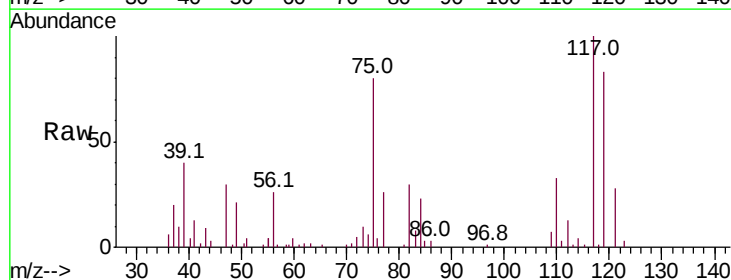
Instrument :
MSVOA_Y
ClientSampled :

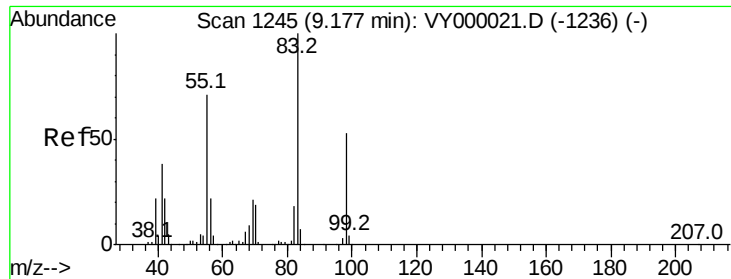
Tot Ion: 43 Resp: 11764
Ion Ratio Lower Upper
43 100
61 20.2 13.1 19.7#
70 16.9 10.9 16.3#



#38
Carbon Tetrachloride
Concen: 10.307 ug/l
RT: 7.90 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 117 Resp: 19008
Ion Ratio Lower Upper
117 100
119 83.2 72.1 108.1
121 27.6 23.9 35.9

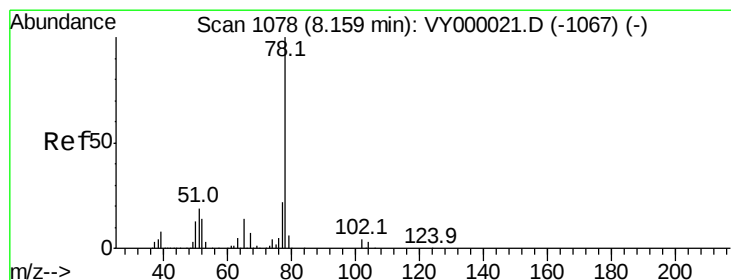
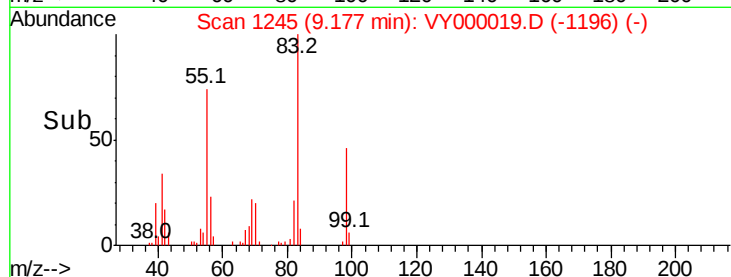
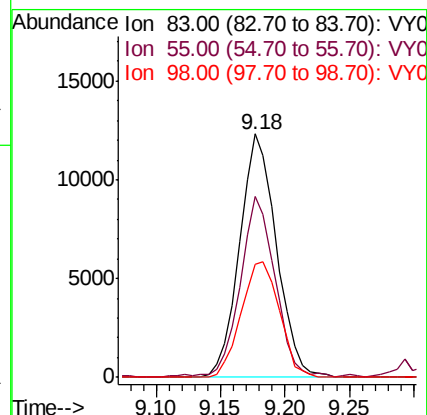
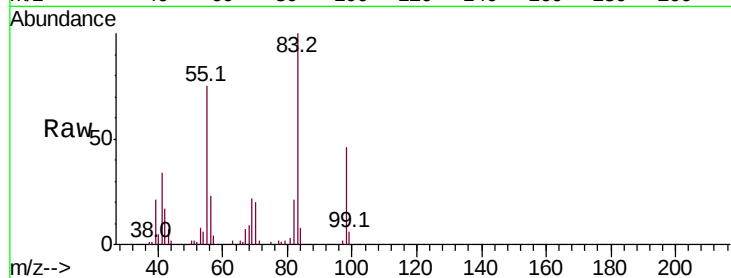




#39
Methvlcvclohexane
Concen: 10.125 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

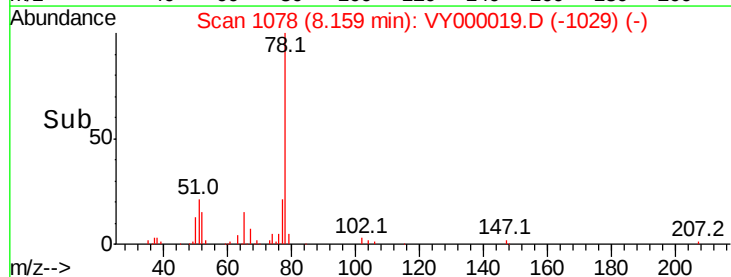
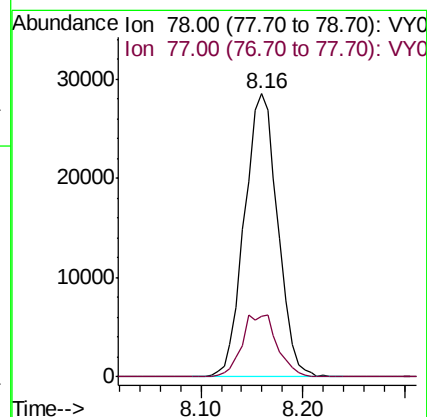
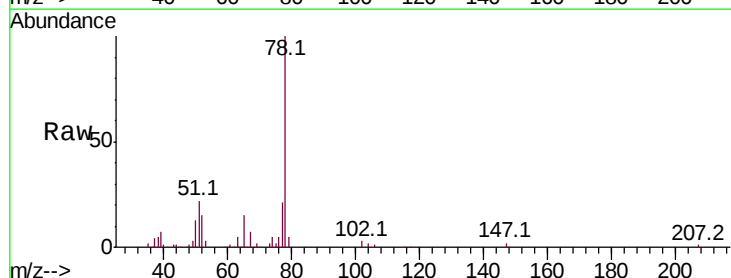
Instrument :
MSVOA_Y
ClientSampleId :

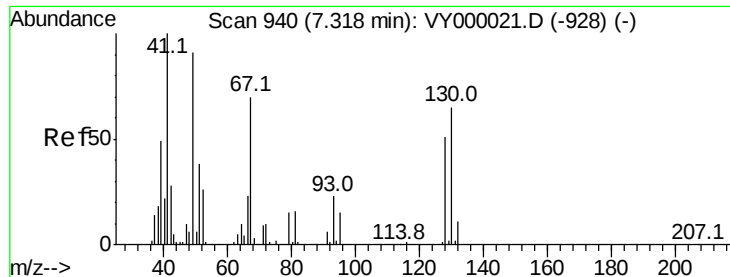
Tot Ion	83	Resp	24439
Ion Ratio	100		
Lower	57.0		
Upper	85.4		
83	73.9		
55	46.2		
98			



#40
Benzene
Concen: 10.158 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion	78	Resp	64615
Ion Ratio	100		
Lower	17.8		
Upper	26.6		
78	21.3		
77			

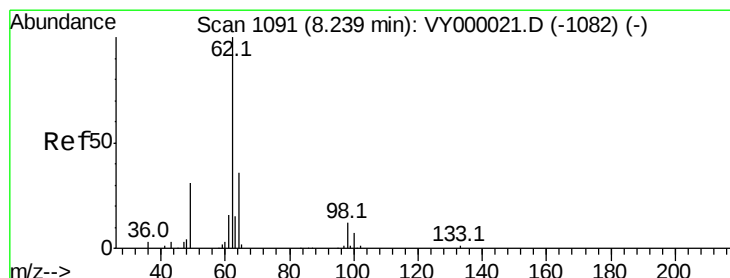
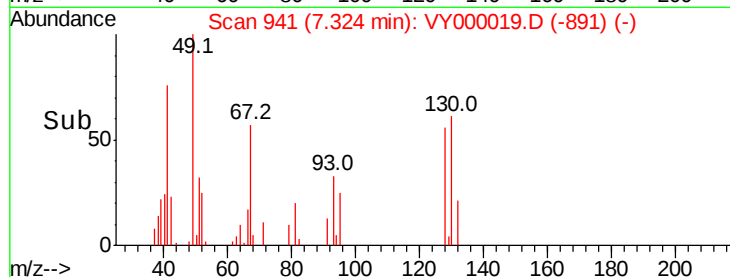
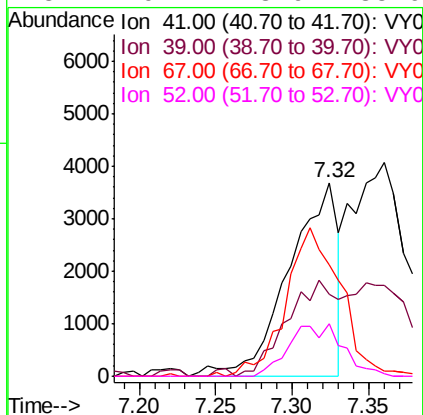
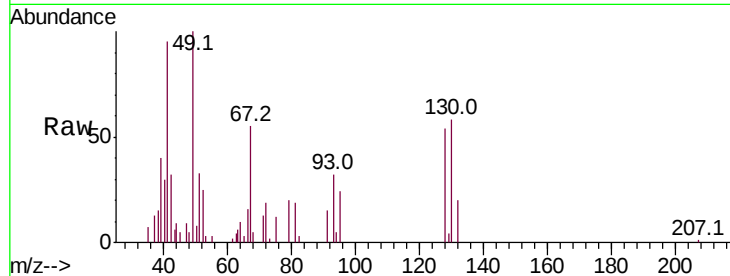




#41
Methacrylonitrile
Concen: 4.783 ug/l
RT: 7.32 min Scan# 941
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

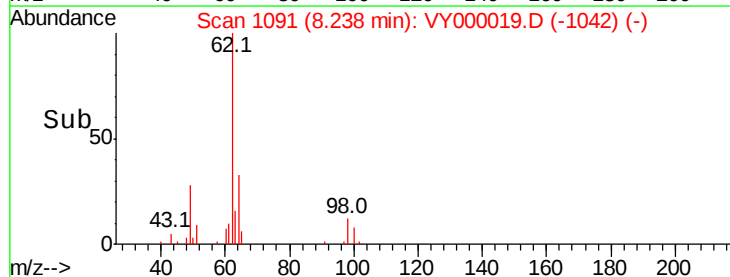
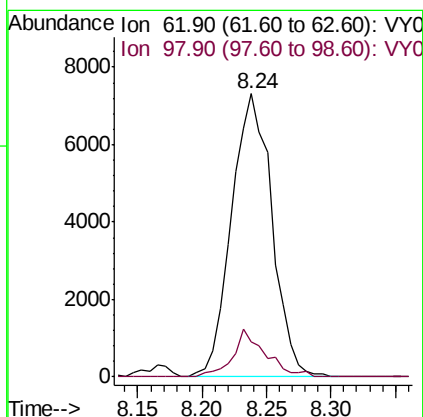
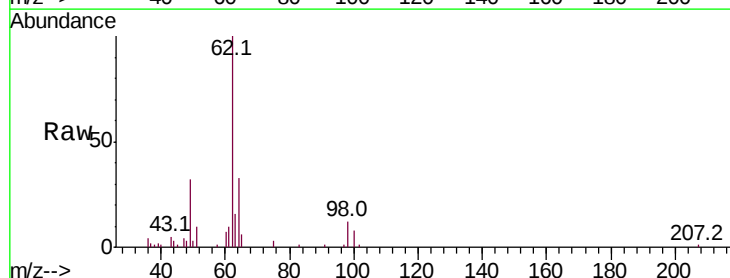
Instrument :
MSVOA_Y
ClientSampled :

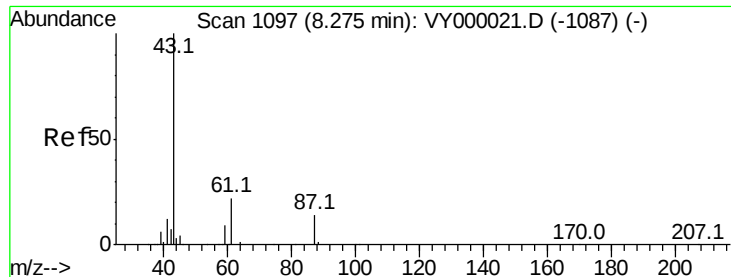
Tot Ion: 41 Resp: 8184
Ion Ratio Lower Upper
41 100
39 50.3 41.8 62.6
67 86.7 65.8 98.6
52 29.7 23.9 35.9



#42
1,2-Dichloroethane
Concen: 9.795 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 62 Resp: 15922
Ion Ratio Lower Upper
62 100
98 13.5 0.0 23.2





#43

Isopropyl Acetate

Concen: 10.045 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

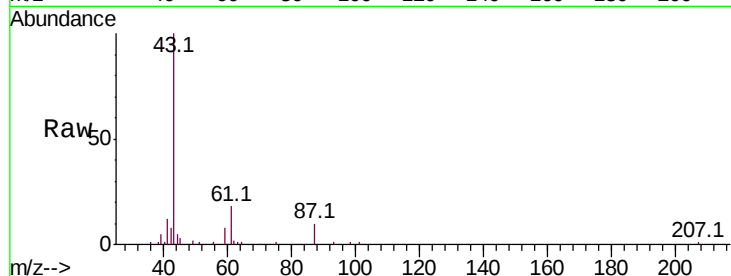
Tot Ion: 43 Resp: 25645

Ion Ratio Lower Upper

43 100

61 24.1 24.9 37.3#

87 14.9 12.3 18.5

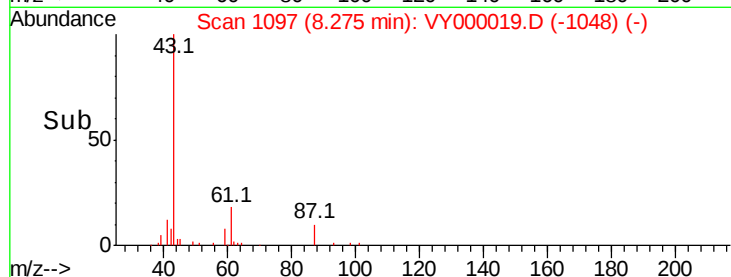


Abundance Ion 43.00 (42.70 to 43.70): VY000019.D (-1087) (-)

Ion 61.00 (60.70 to 61.70): VY000019.D (-1087) (-)

Ion 87.00 (86.70 to 87.70): VY000019.D (-1087) (-)

Time-->



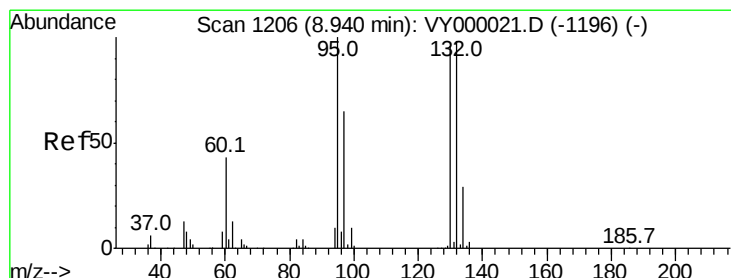
Abundance

Ion 43.00 (42.70 to 43.70): VY000019.D (-1087) (-)

Ion 61.00 (60.70 to 61.70): VY000019.D (-1087) (-)

Ion 87.00 (86.70 to 87.70): VY000019.D (-1087) (-)

Time-->



#44

Trichloroethene

Concen: 10.125 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000019.D

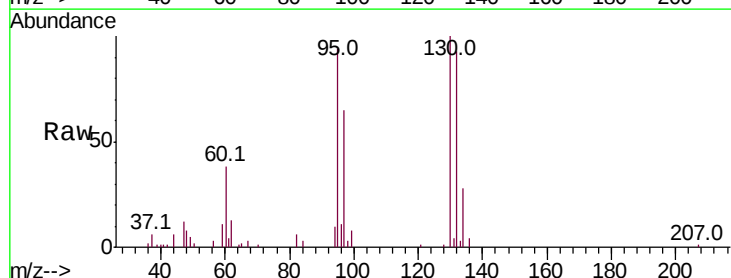
Acq: 12 Sep 2019 11:32

Tgt Ion:130 Resp: 16081

Ion Ratio Lower Upper

130 100

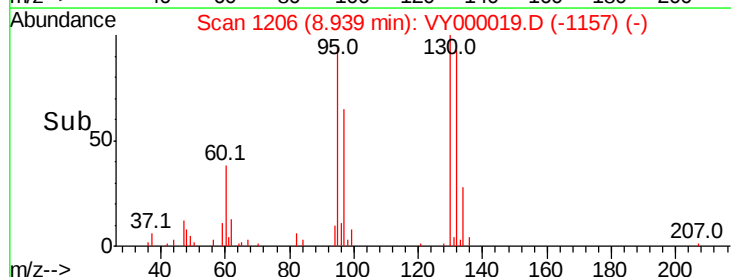
95 93.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): VY000019.D (-1196) (-)

Ion 94.90 (94.60 to 95.60): VY000019.D (-1196) (-)

Time-->

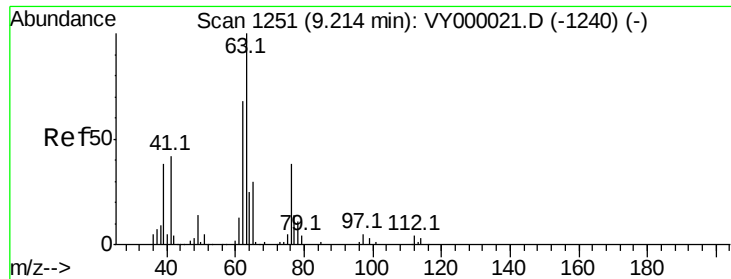


Abundance

Ion 129.80 (129.50 to 130.50): VY000019.D (-1196) (-)

Ion 94.90 (94.60 to 95.60): VY000019.D (-1196) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 10.152 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

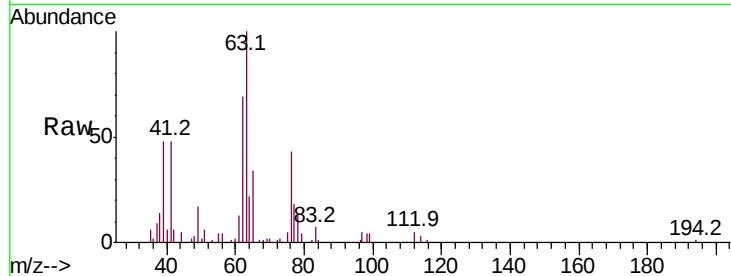
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 63 Resp: 16651

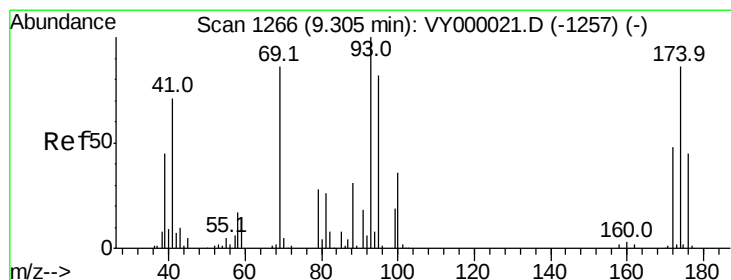
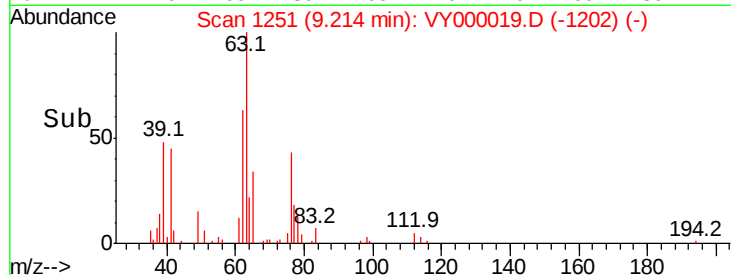
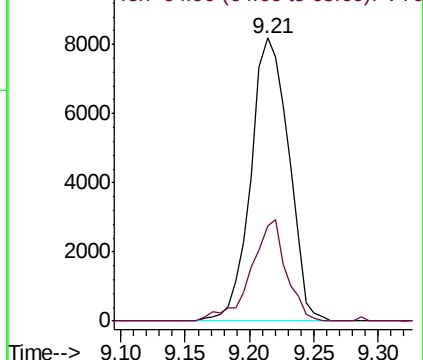
Ion Ratio Lower Upper

63 100

65 33.6 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 10.280 ug/l

RT: 9.31 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

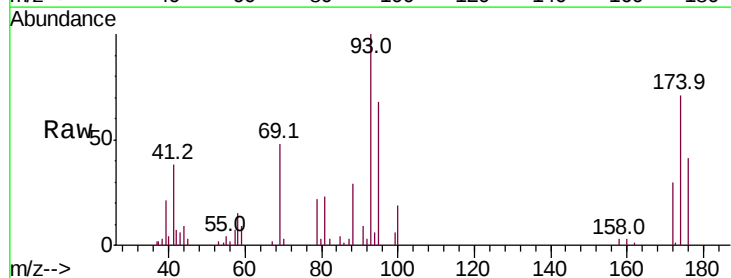
Tgt Ion: 93 Resp: 9357

Ion Ratio Lower Upper

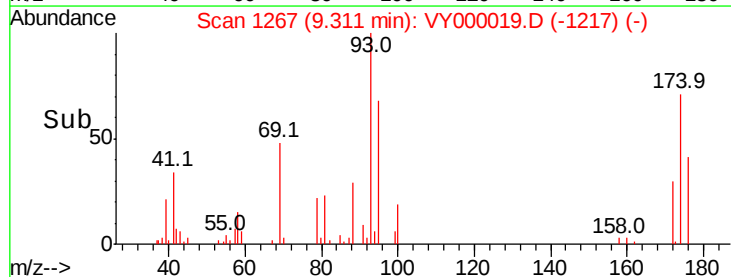
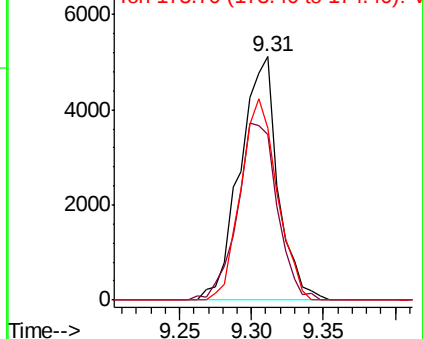
93 100

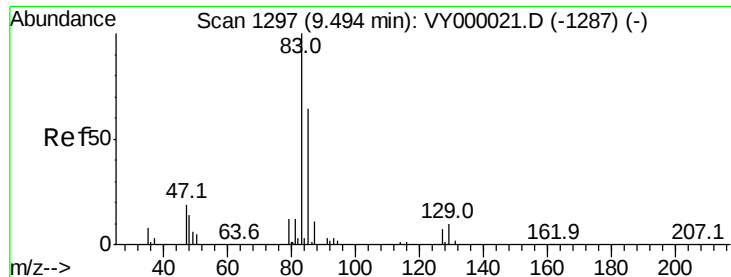
95 75.9 67.0 100.6

174 79.3 68.8 103.2



Abundance Ion 92.80 (92.50 to 93.50): VY0
Ion 94.80 (94.50 to 95.50): VY0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 10.289 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :

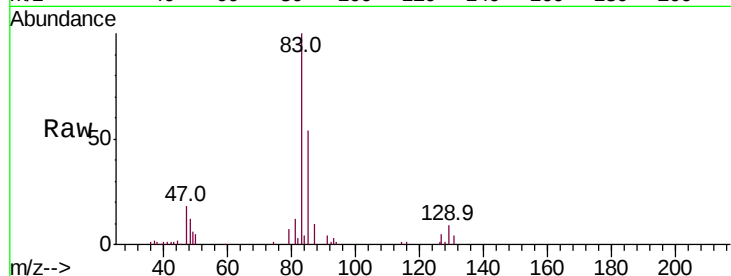
Tot Ion: 83 Resp: 22357

Ion Ratio Lower Upper

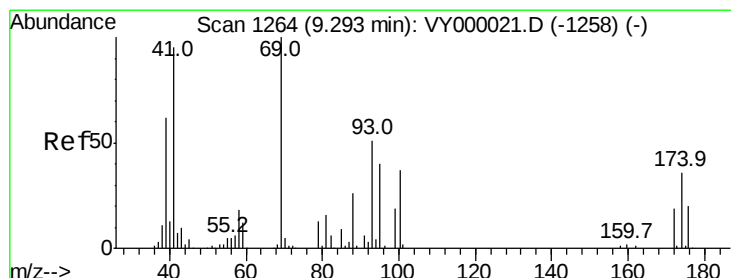
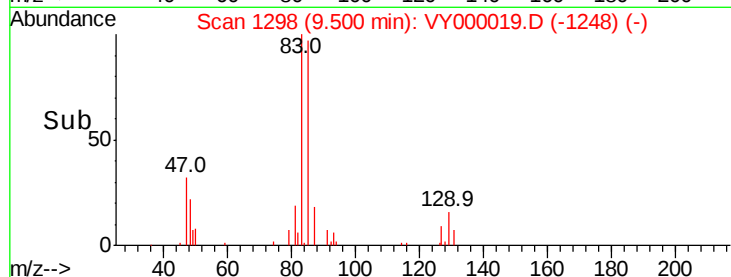
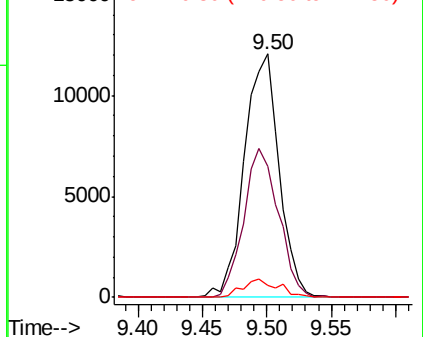
83 100

85 53.9 51.4 77.2

127 5.0 5.4 8.2#



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



#48

Methyl methacrylate

Concen: 9.221 ug/l

RT: 9.29 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

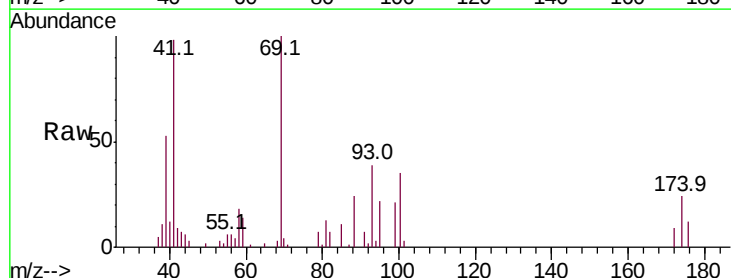
Tgt Ion: 41 Resp: 10388

Ion Ratio Lower Upper

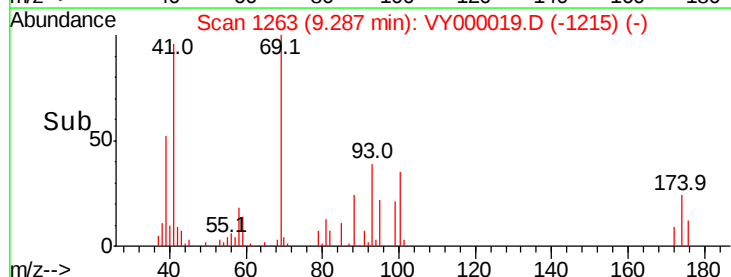
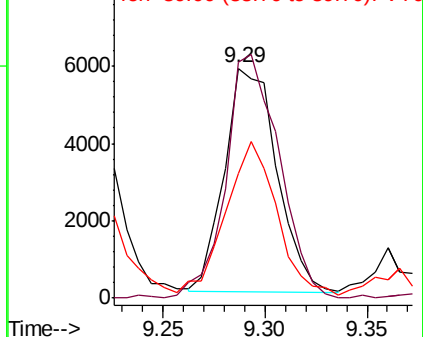
41 100

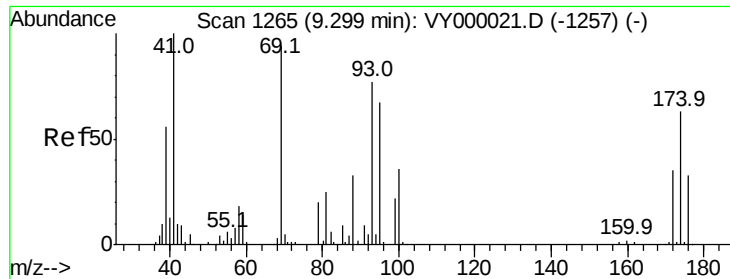
69 110.1 79.7 119.5

39 70.1 48.6 72.8



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

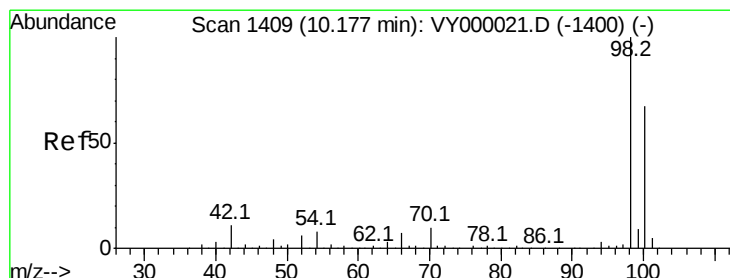
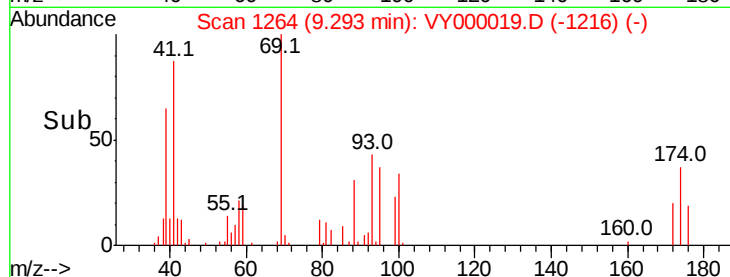
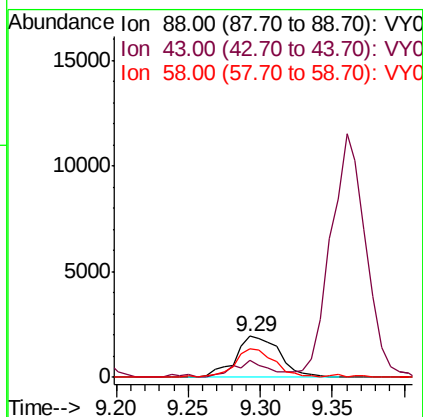
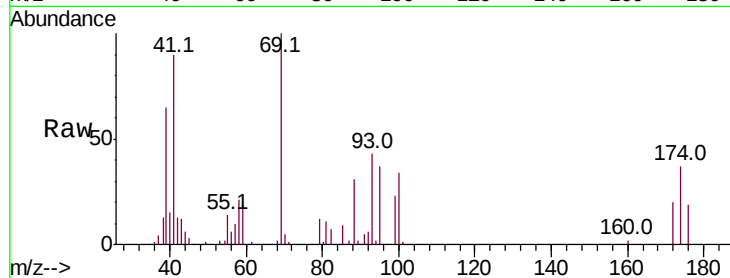




#49
 1,4-Dioxane
 Concen: 217.964 ug/l
 RT: 9.29 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

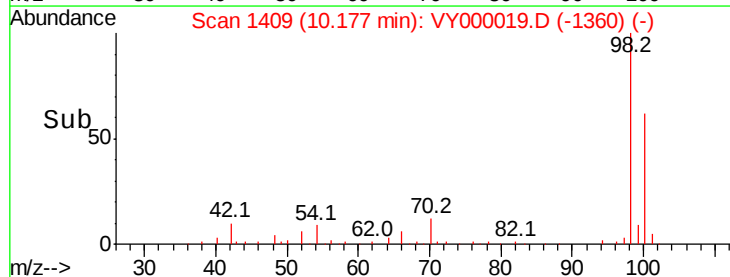
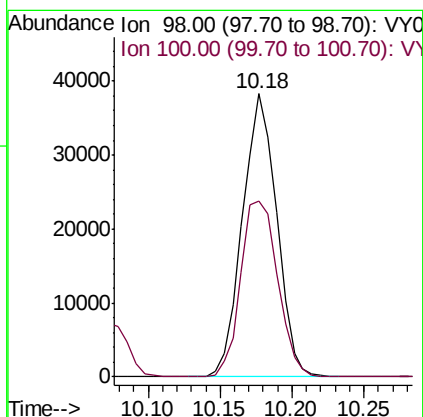
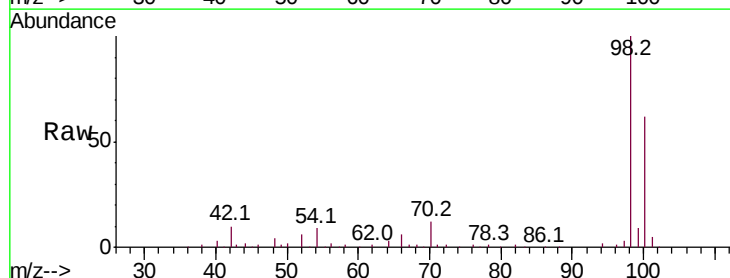
Instrument :
 MSVOA_Y
 ClientSampleId :

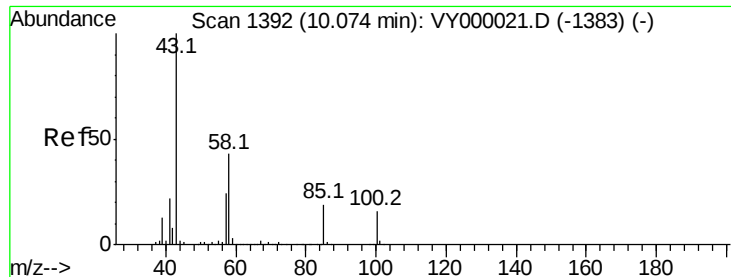
Tot Ion: 88 Resp: 4155
 Ion Ratio Lower Upper
 88 100
 43 34.2 24.6 37.0
 58 62.1 52.7 79.1



#50
 Toluene-d8
 Concen: 10.265 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion: 98 Resp: 63095
 Ion Ratio Lower Upper
 98 100
 100 67.1 54.0 81.0





#51

4-Methyl-2-Pentanone

Concen: 48.907 ug/l

RT: 10.07 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

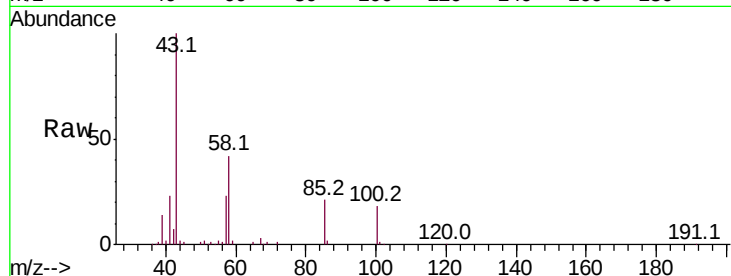
ClientSampleId :

Tot Ion: 43 Resp: 69964

Ion Ratio Lower Upper

43 100

58 44.0 34.1 51.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

40000

30000

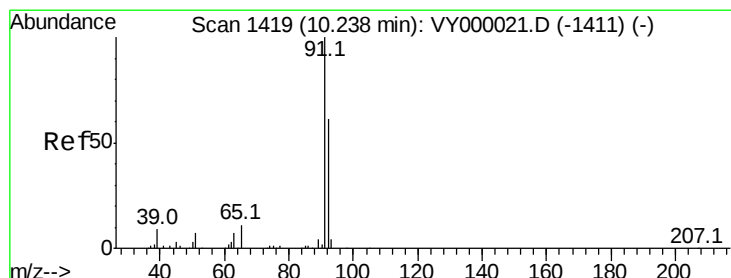
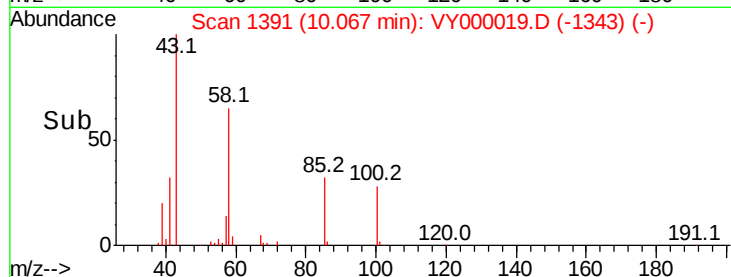
20000

10000

0

Time-->

10.00 10.10



#52

Toluene

Concen: 10.186 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VY000019.D

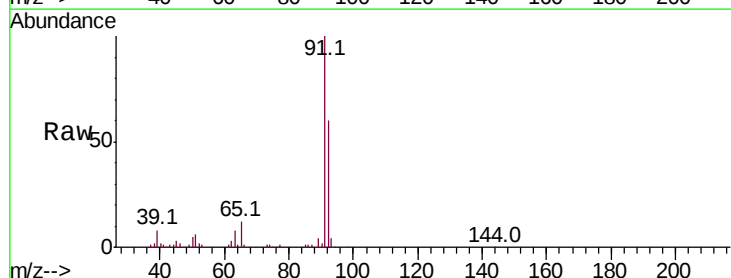
Acq: 12 Sep 2019 11:32

Tgt Ion: 92 Resp: 40712

Ion Ratio Lower Upper

92 100

91 169.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.24

40000

30000

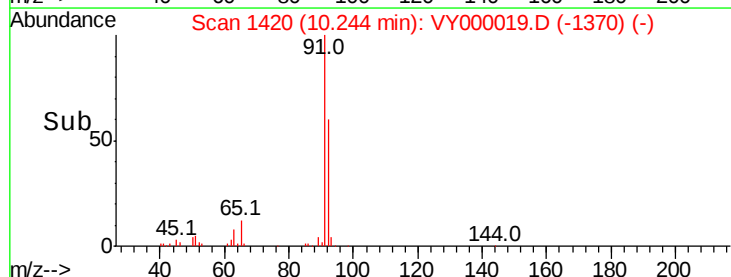
20000

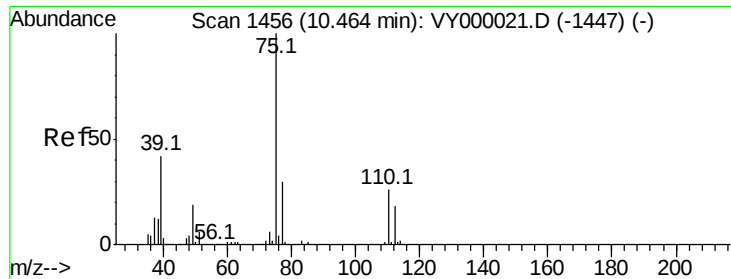
10000

0

Time-->

10.15 10.20 10.25 10.30





#53

t-1,3-Dichloropropene

Concen: 9.945 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

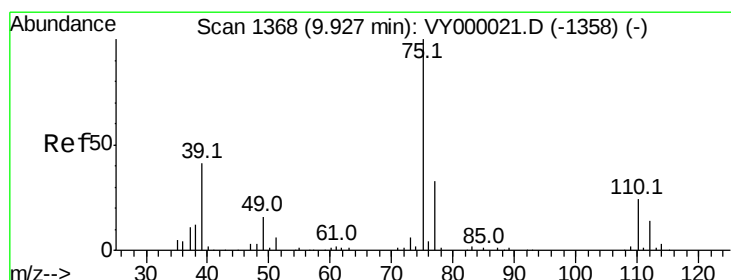
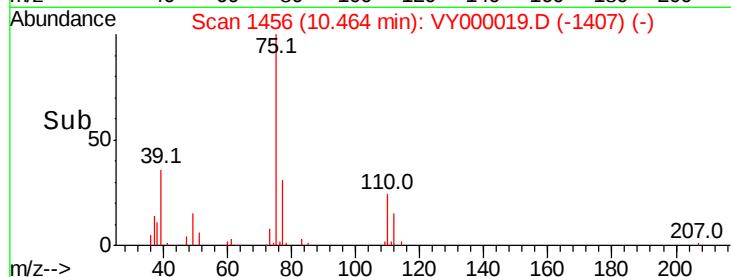
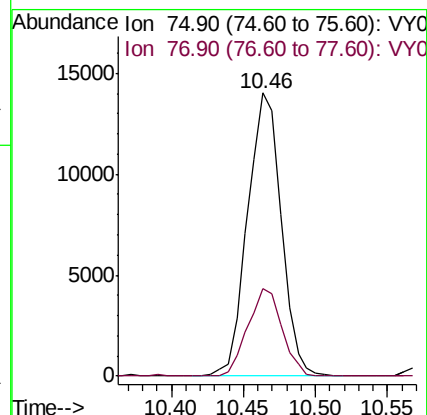
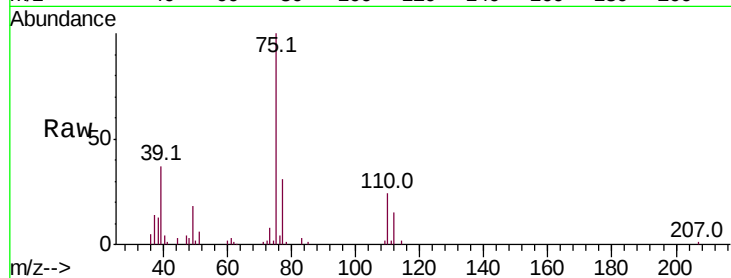
ClientSampleId :

Tot Ion: 75 Resp: 22721

Ion Ratio Lower Upper

75 100

77 31.1 23.8 35.8



#54

cis-1,3-Dichloropropene

Concen: 9.930 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

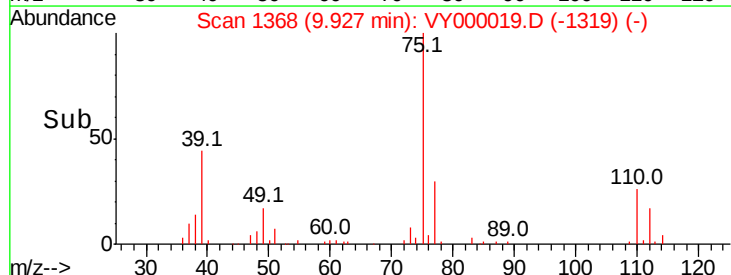
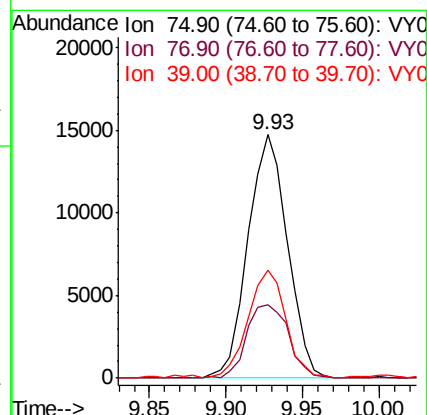
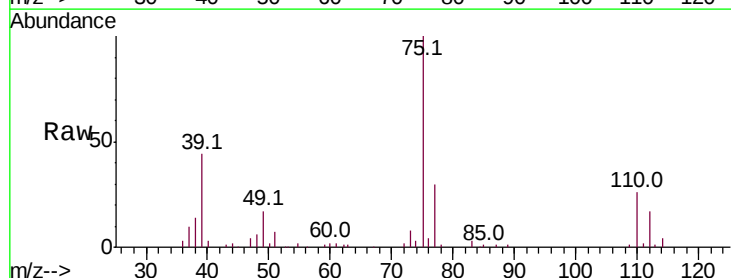
Tgt Ion: 75 Resp: 26397

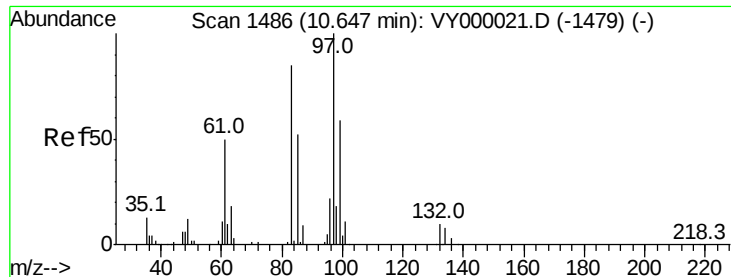
Ion Ratio Lower Upper

75 100

77 30.3 26.3 39.5

39 44.2 32.9 49.3

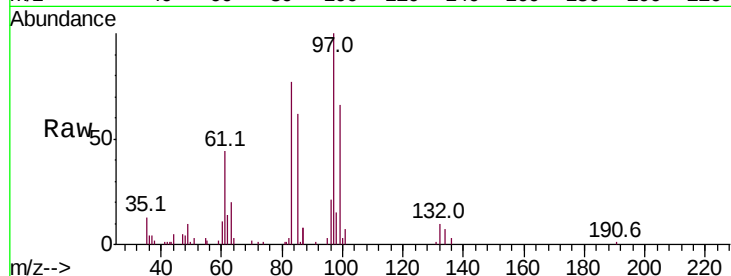




#55
 1,1,2-Trichloroethane
 Concen: 10.119 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.9	68.2	102.2
85	61.6	41.7	62.5
99	65.5	47.3	70.9



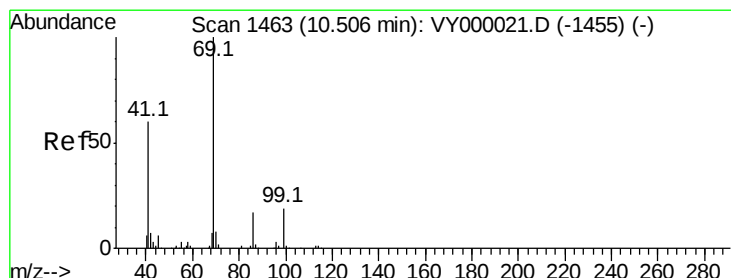
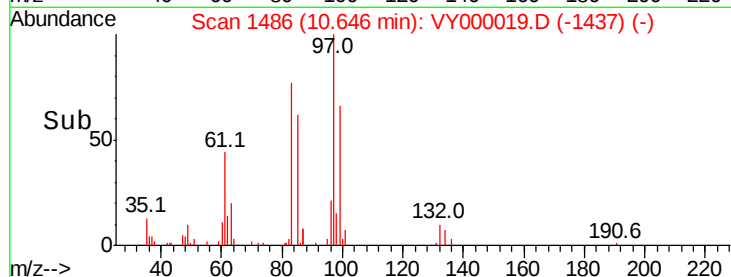
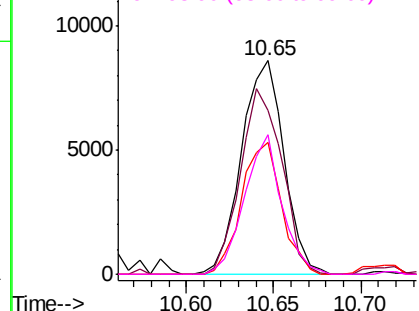
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

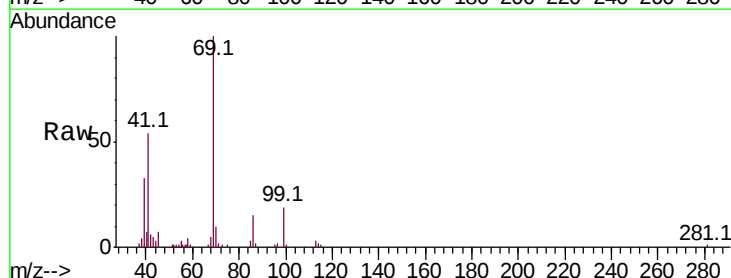
Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56
 Ethyl methacrylate
 Concen: 9.724 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	47.0	70.4
39	34.2	26.4	39.6

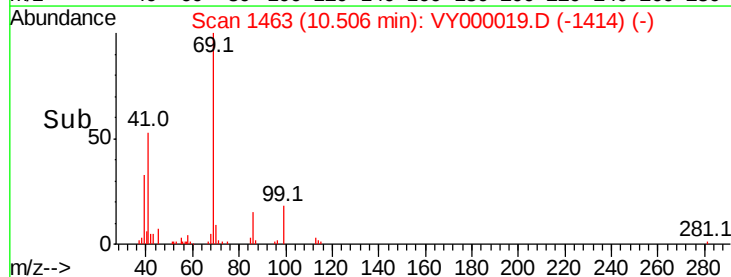
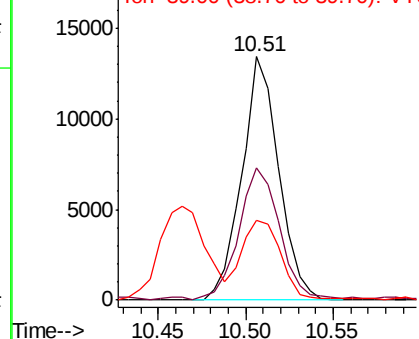


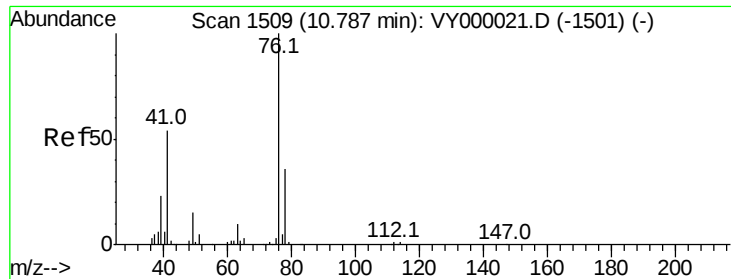
Abundance

Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 10.186 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

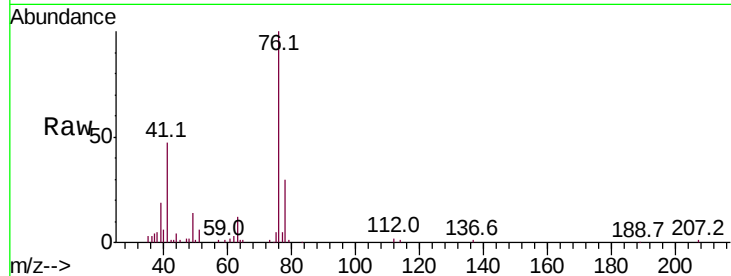
ClientSampleId :

Tot Ion: 76 Resp: 23498

Ion Ratio Lower Upper

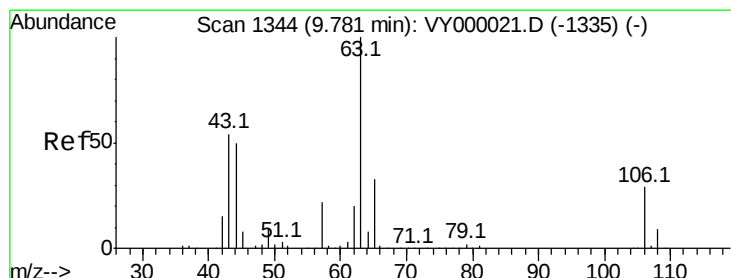
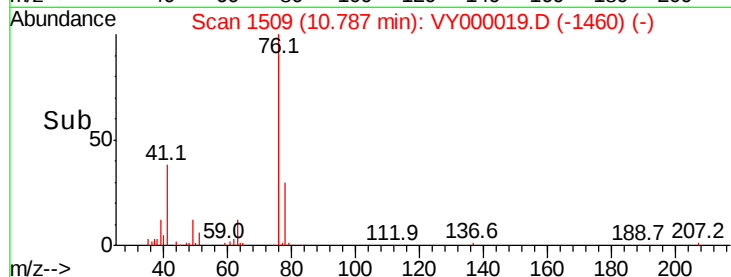
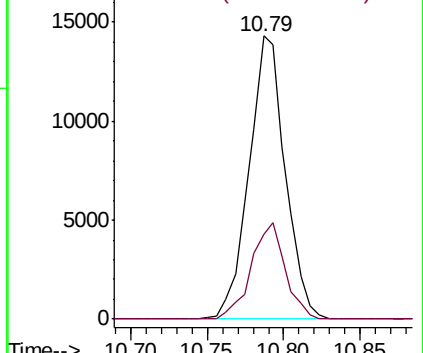
76 100

78 32.0 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: 48.001 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000019.D

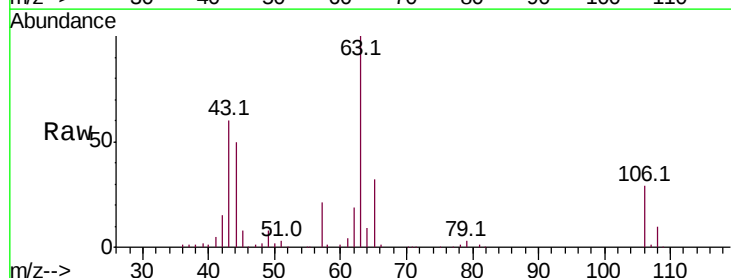
Acq: 12 Sep 2019 11:32

Tgt Ion: 63 Resp: 53229

Ion Ratio Lower Upper

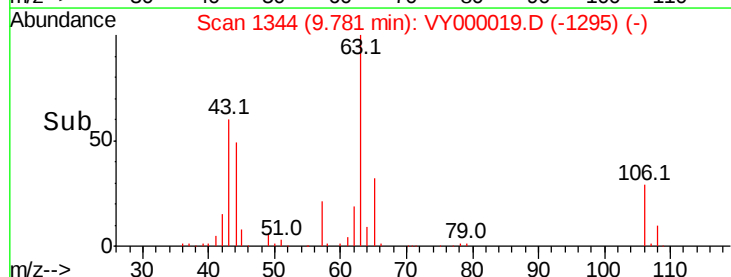
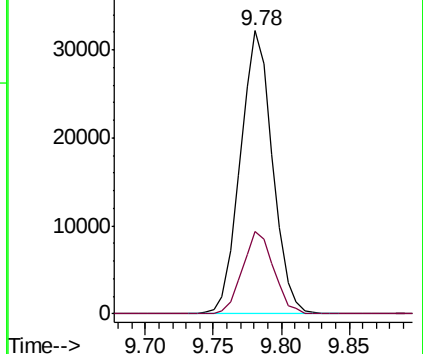
63 100

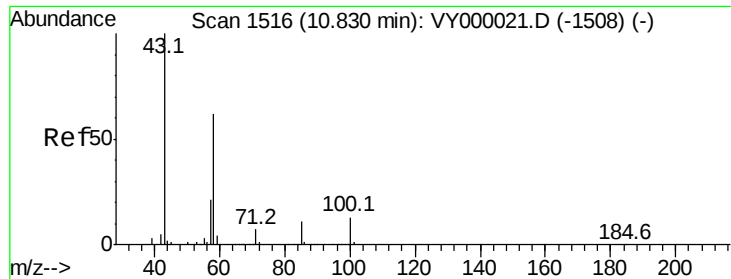
106 28.2 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

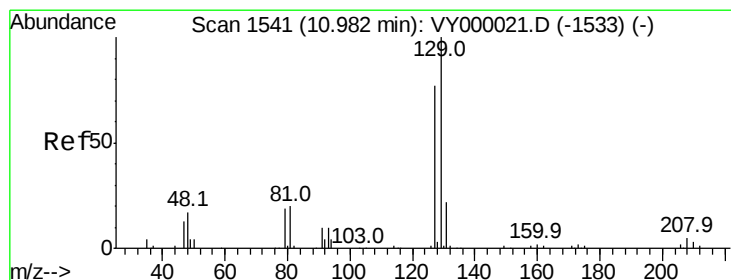
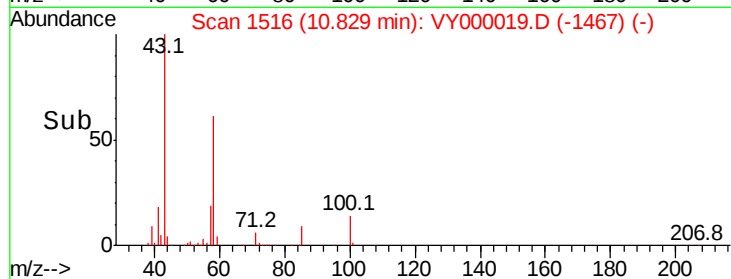
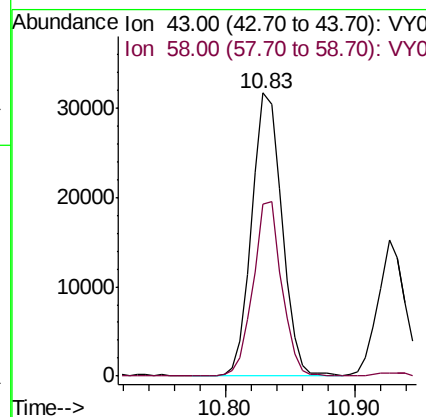
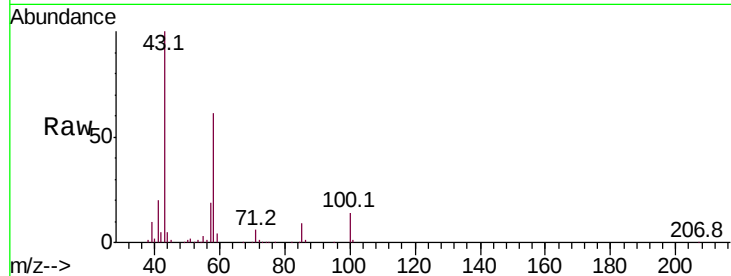




#59
2-Hexanone
Concen: 49.675 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

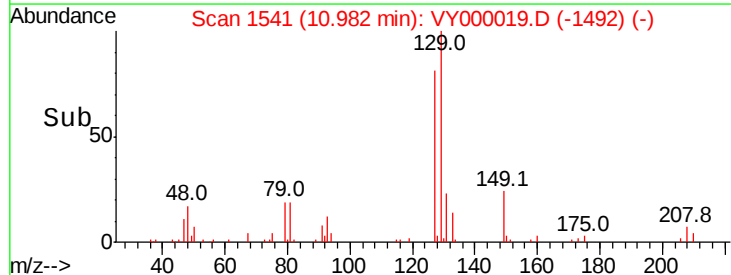
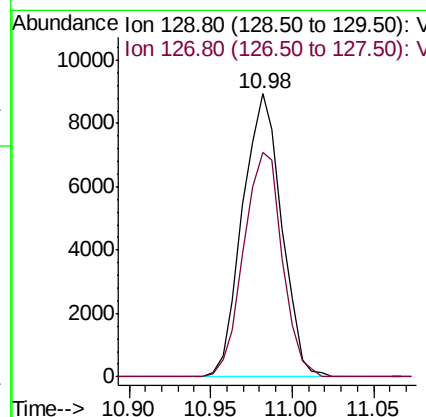
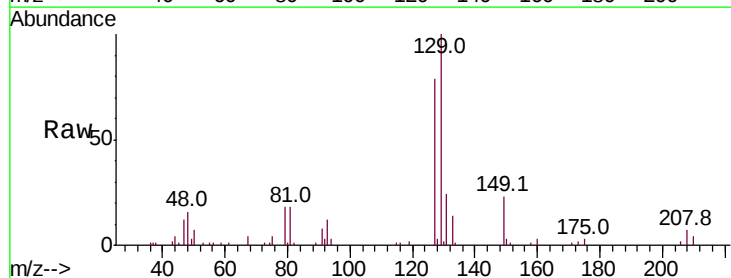
Instrument :
MSVOA_Y
ClientSampleId :

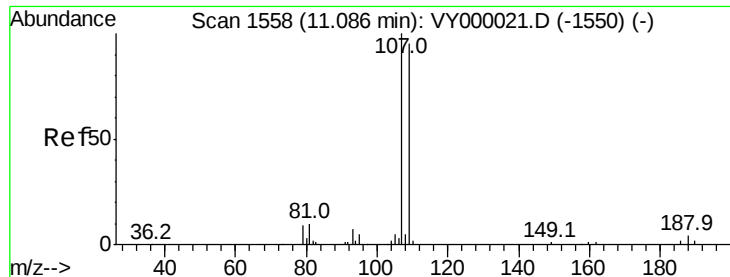
Tot Ion: 43 Resp: 51210
Ion Ratio Lower Upper
43 100
58 58.2 30.3 90.8



#60
Dibromochloromethane
Concen: 9.816 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 129 Resp: 14919
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 10.228 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

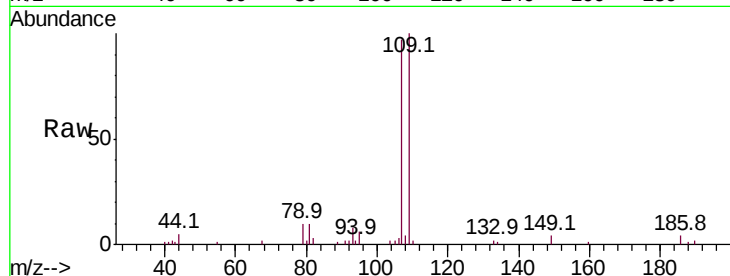
ClientSampled :

Tot Ion:107 Resp: 13031

Ion Ratio Lower Upper

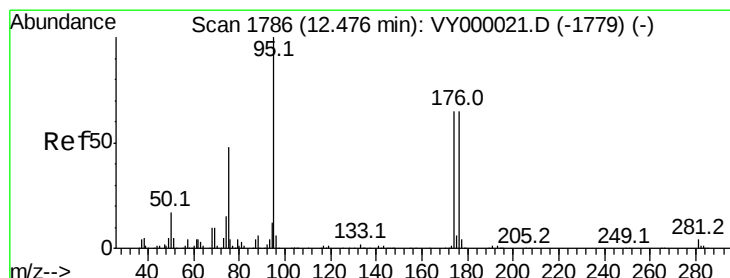
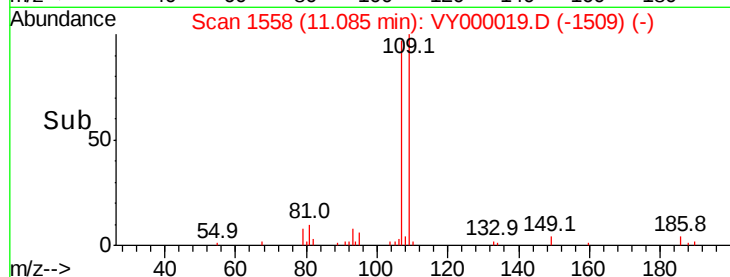
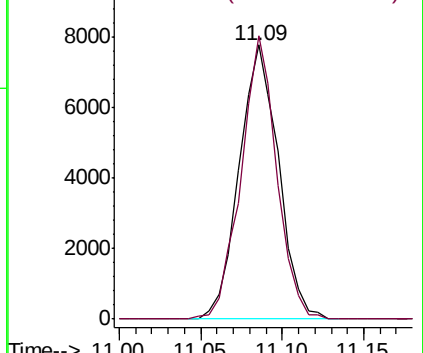
107 100

109 93.8 76.7 115.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.973 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

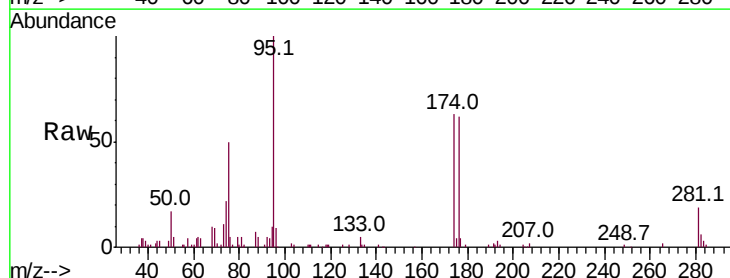
Tgt Ion: 95 Resp: 24514

Ion Ratio Lower Upper

95 100

174 71.4 0.0 137.6

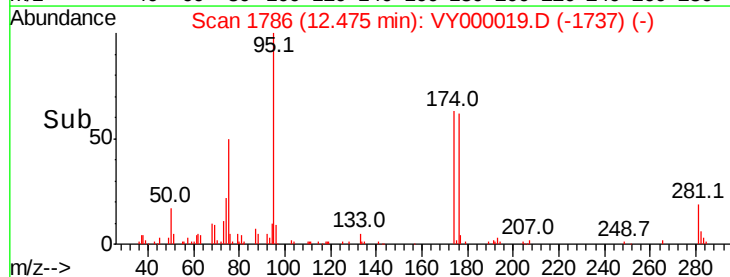
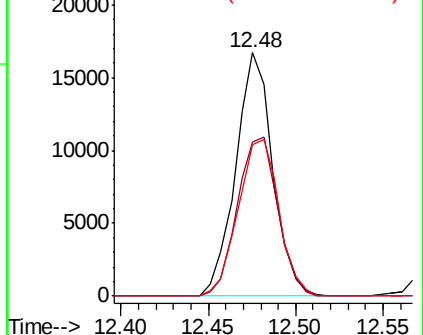
176 71.0 0.0 134.8

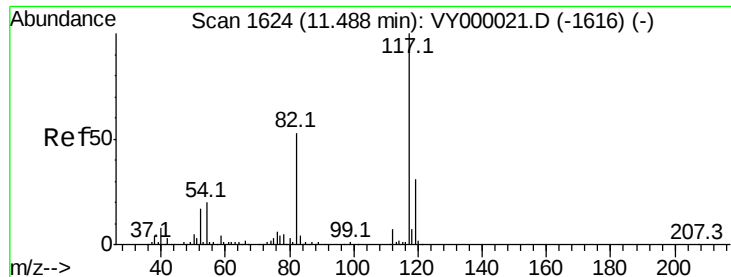


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

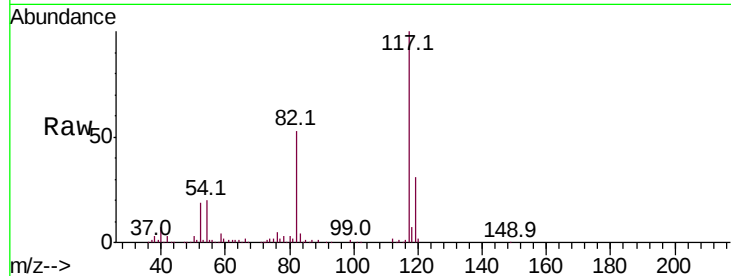




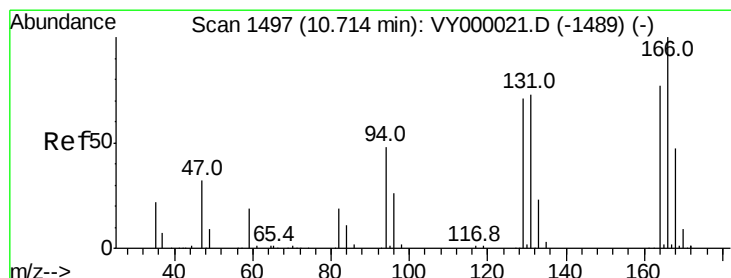
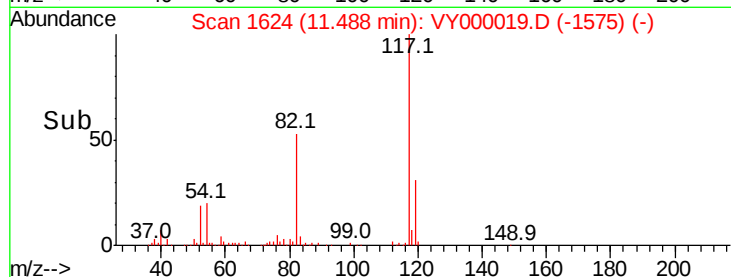
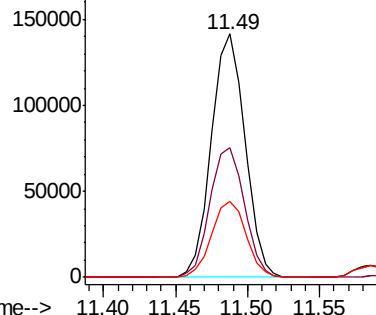
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 229798
Ion Ratio Lower Upper
117 100
82 53.4 42.5 63.7
119 31.4 25.1 37.7

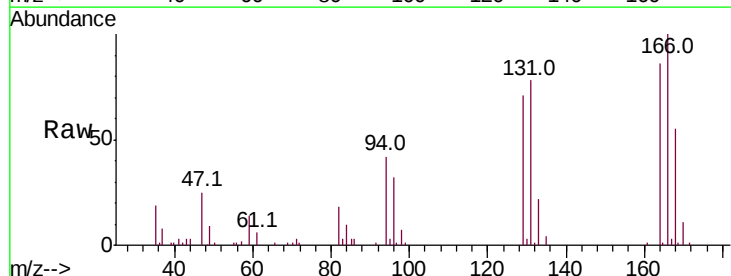


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

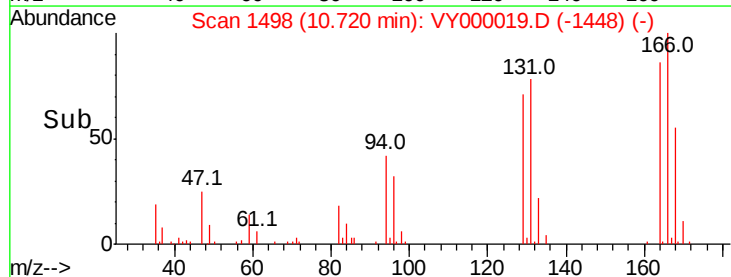
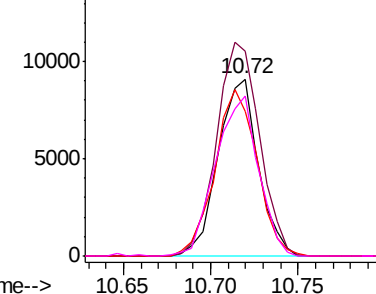


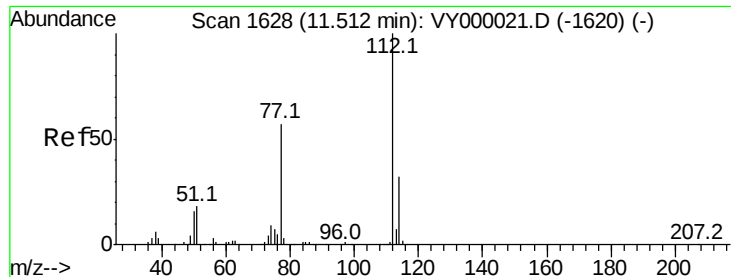
#64
Tetrachloroethene
Concen: 10.307 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion:164 Resp: 14525
Ion Ratio Lower Upper
164 100
166 115.7 103.4 155.0
129 81.9 73.4 110.0
131 90.4 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

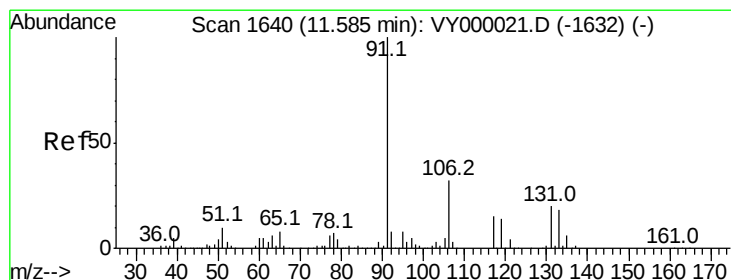
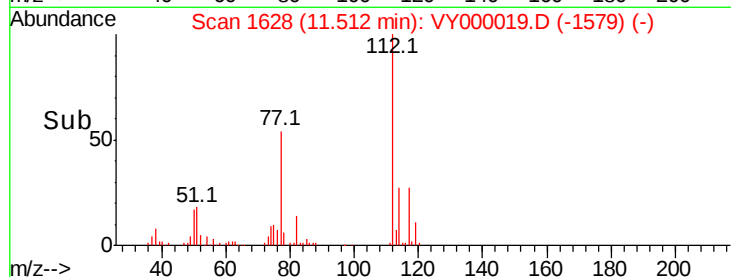
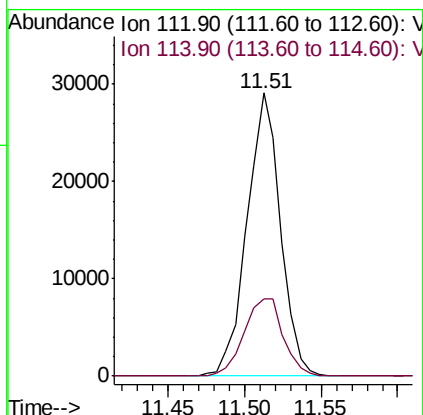
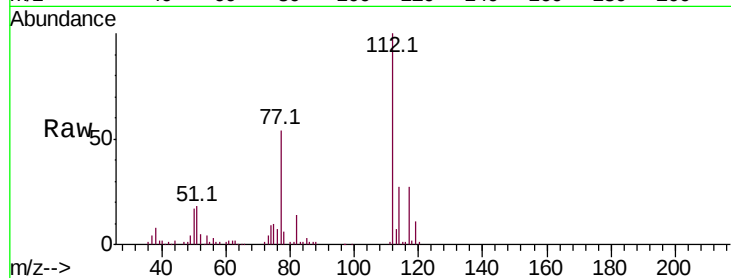




#65
Chlorobenzene
Concen: 10.094 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

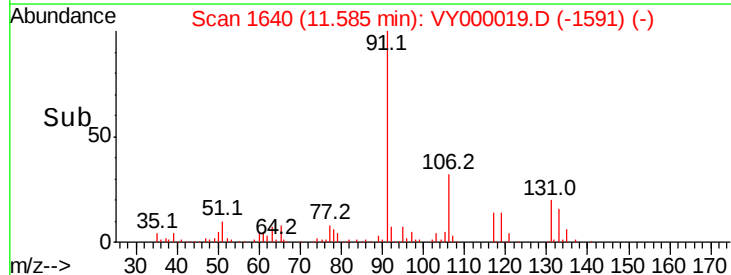
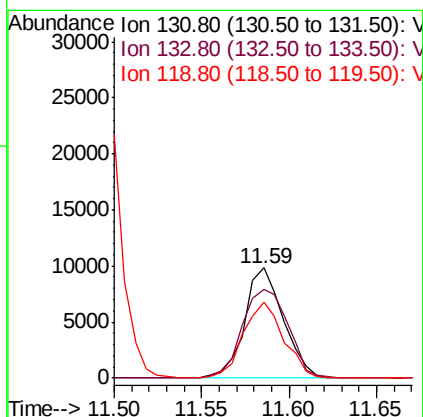
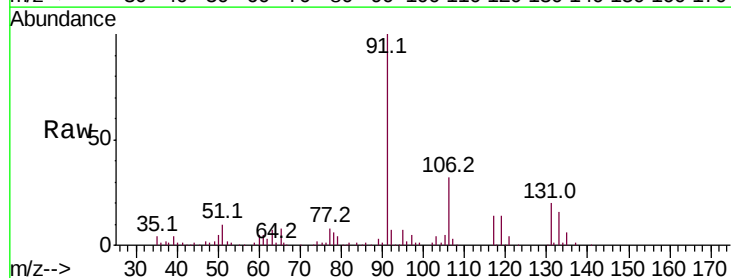
Instrument :
MSVOA_Y
ClientSampleId :

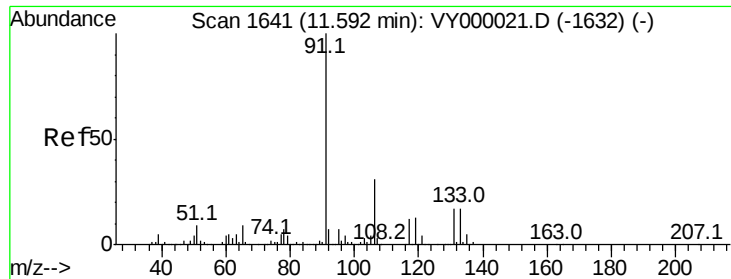
Tot Ion:112 Resp: 44199
Ion Ratio Lower Upper
112 100
114 27.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 9.960 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion:131 Resp: 15111
Ion Ratio Lower Upper
131 100
133 96.4 47.2 141.6
119 71.9 35.4 106.3





#67

Ethyl Benzene

Concen: 10.172 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

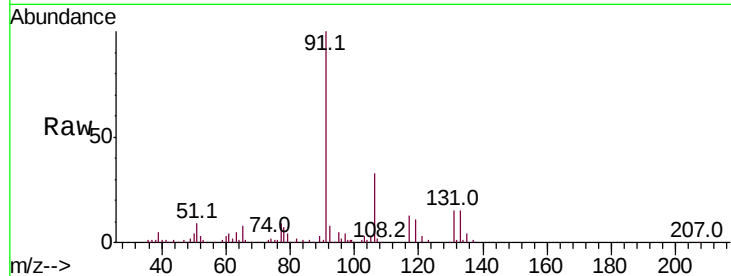
ClientSampleId :

Tot Ion: 91 Resp: 80920

Ion Ratio Lower Upper

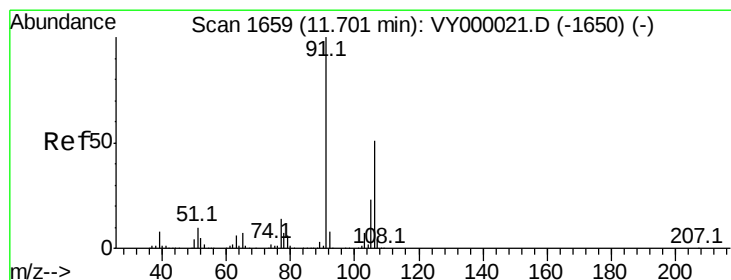
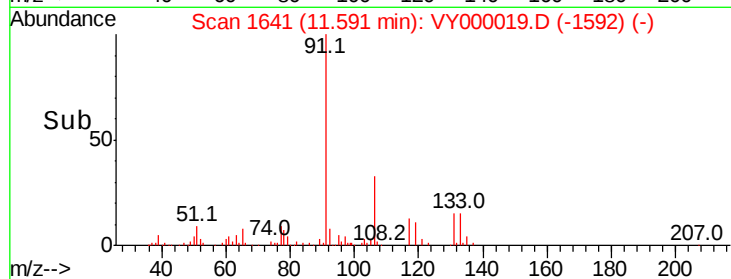
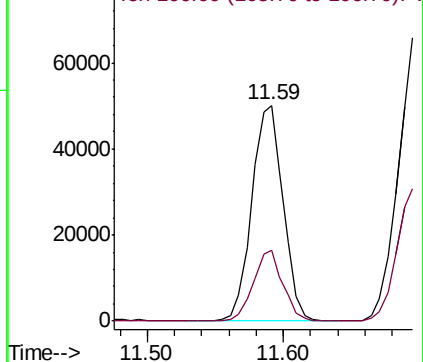
91 100

106 32.9 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 19.938 ug/l

RT: 11.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VY000019.D

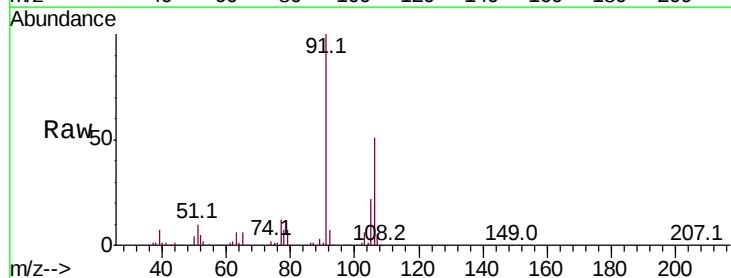
Acq: 12 Sep 2019 11:32

Tgt Ion:106 Resp: 59849

Ion Ratio Lower Upper

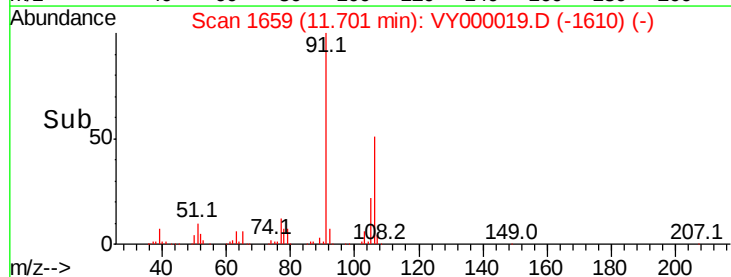
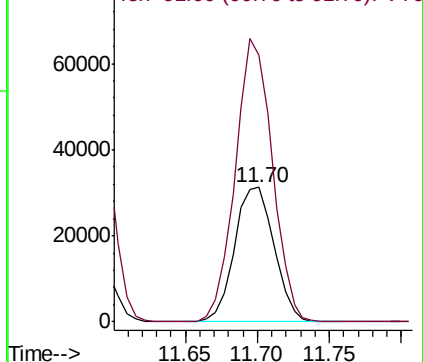
106 100

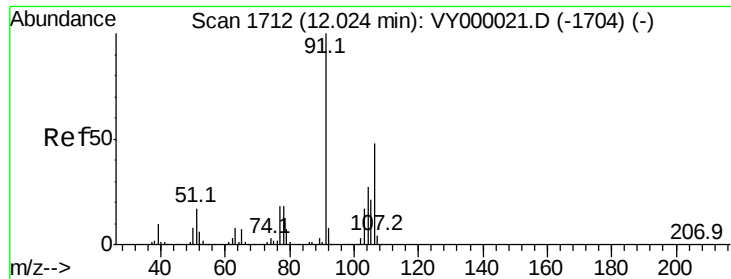
91 196.5 158.5 237.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

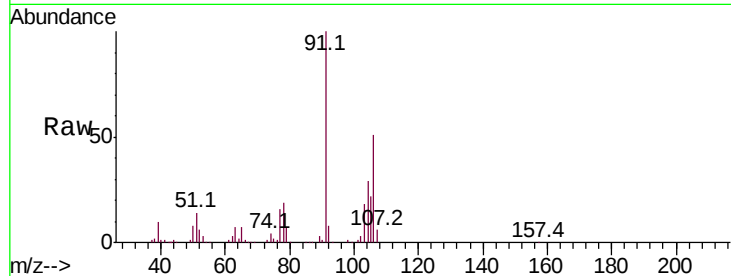




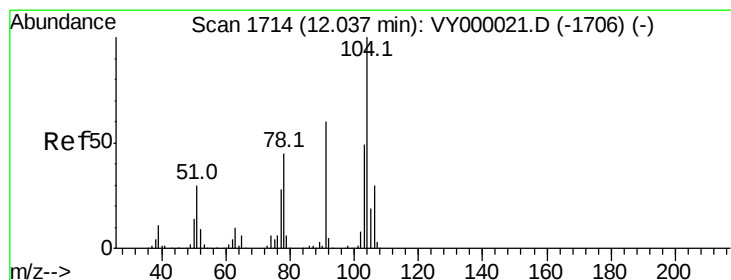
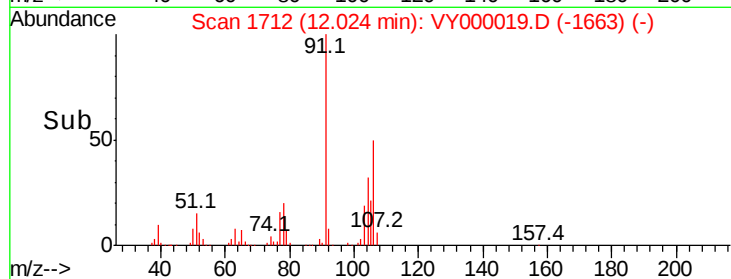
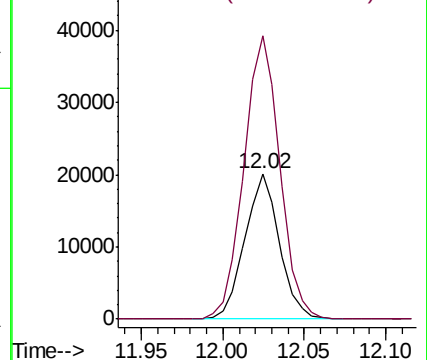
#69
o-Xylene
Concen: 10.074 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 29637
Ion Ratio Lower Upper
106 100
91 202.5 104.0 312.0

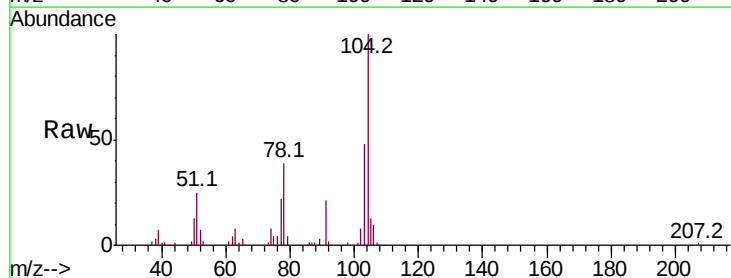


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

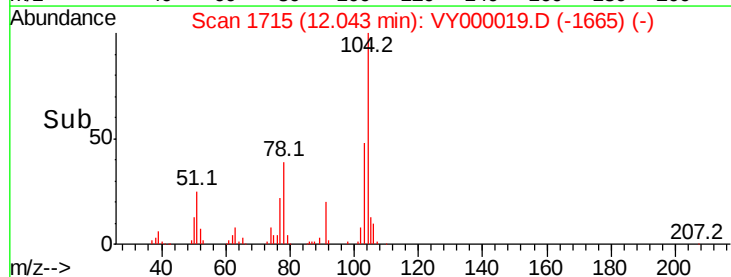
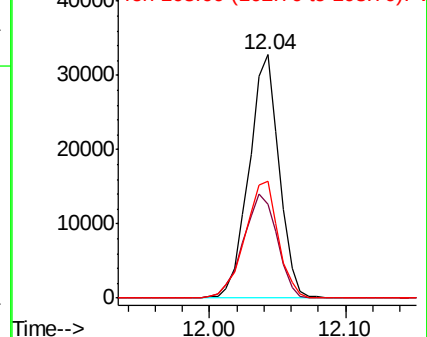


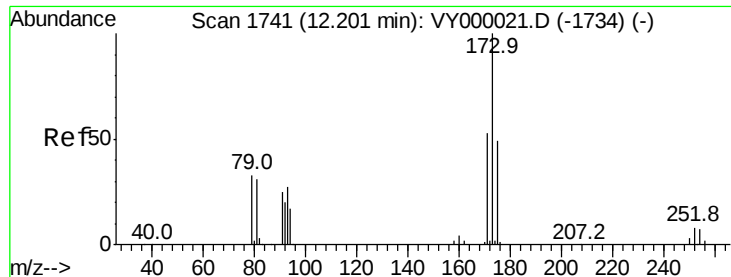
#70
Styrene
Concen: 9.906 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion:104 Resp: 50698
Ion Ratio Lower Upper
104 100
78 48.5 38.0 57.0
103 53.0 42.4 63.6



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





#71

Bromoform

Concen: 10.334 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

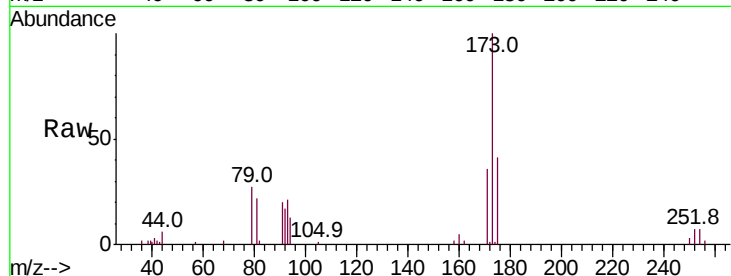
Tot Ion:173 Resp: 9467

Ion Ratio Lower Upper

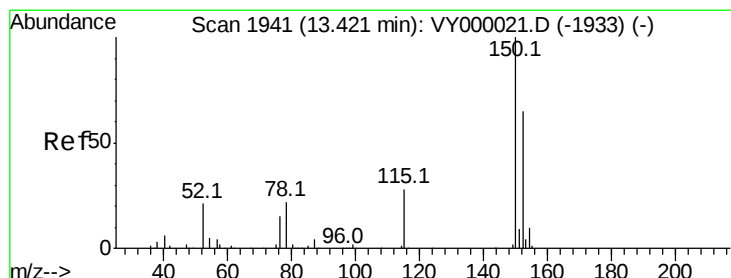
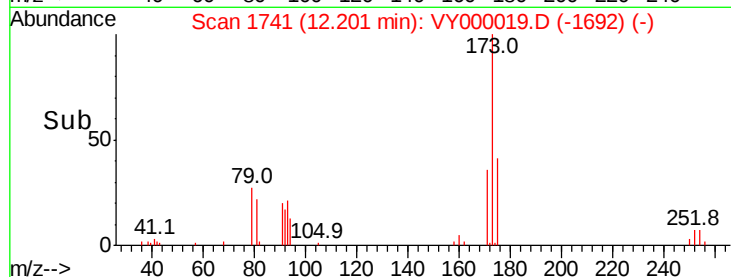
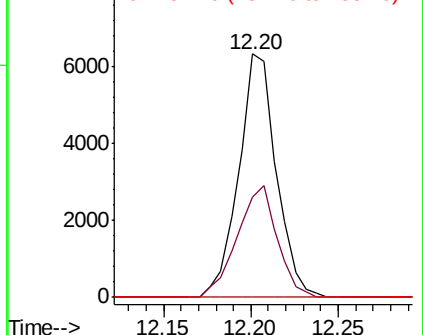
173 100

175 48.6 25.1 75.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

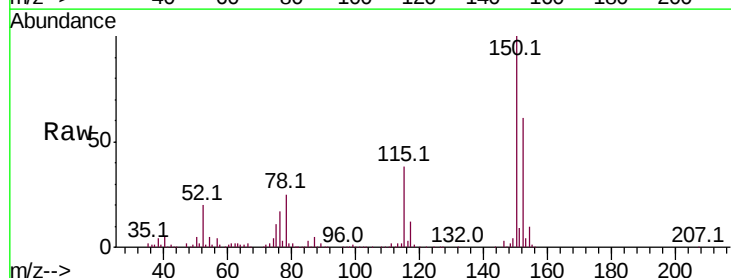
Tgt Ion:152 Resp: 99619

Ion Ratio Lower Upper

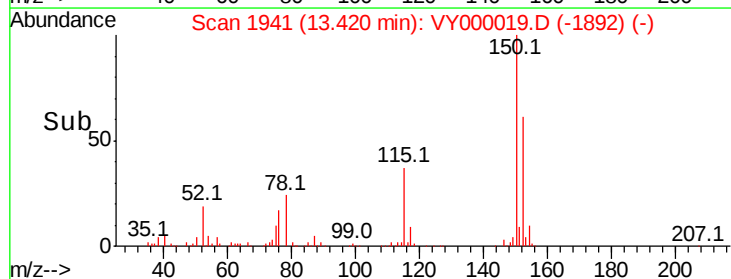
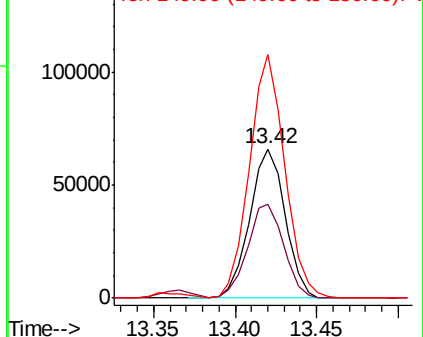
152 100

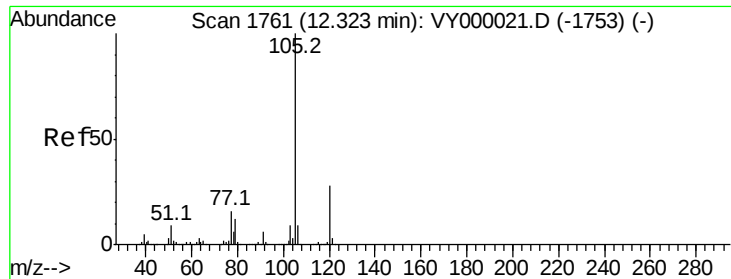
115 64.6 29.4 88.2

150 162.7 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: 10.289 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

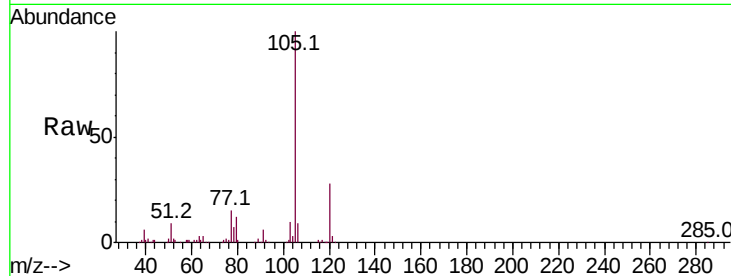
ClientSampleId :

Tot Ion:105 Resp: 78315

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

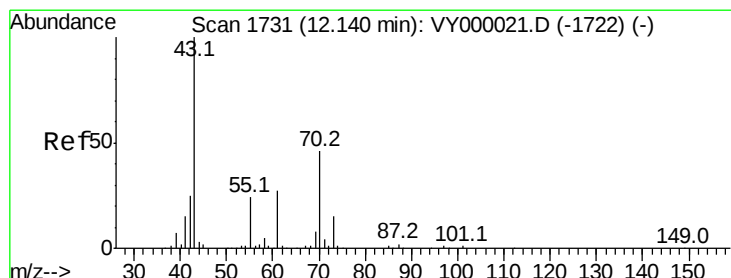
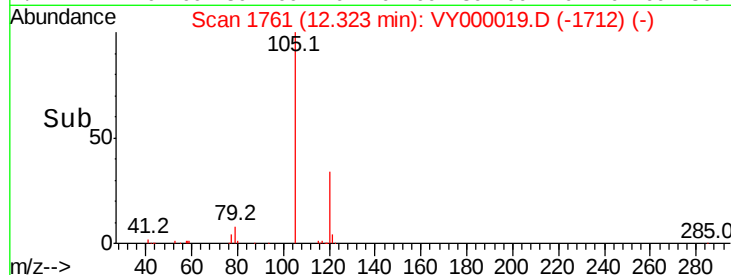
20000

10000

0

12.25 12.30 12.35 12.40

Time-->



#74

N-ethyl acetate

Concen: 9.039 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion: 43 Resp: 20309

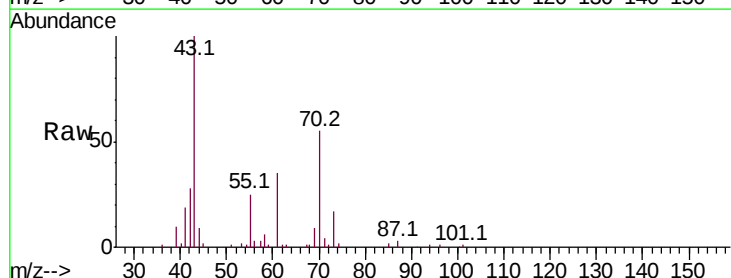
Ion Ratio Lower Upper

43 100

70 46.6 38.1 57.1

55 24.7 18.7 28.1

61 29.8 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

20000

15000

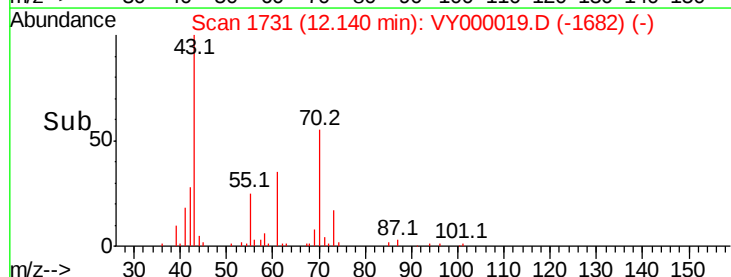
10000

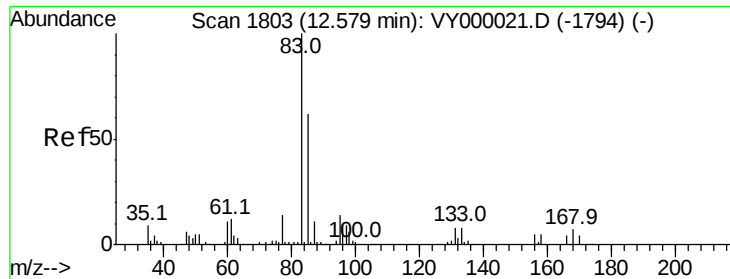
5000

0

12.05 12.10 12.15 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.230 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

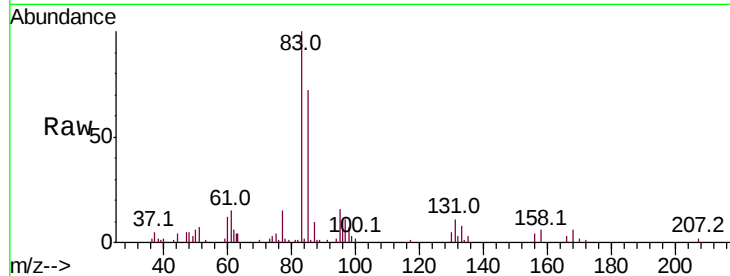
Tot Ion: 83 Resp: 18617

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.6	13.8
85	67.1	31.8	95.3

83 100

131 8.9 4.6 13.8

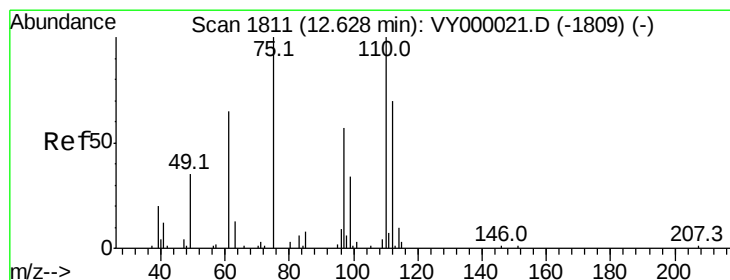
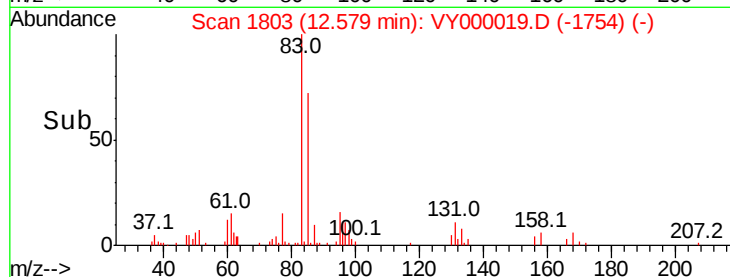
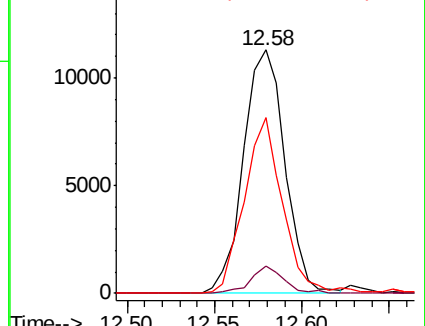
85 67.1 31.8 95.3



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: 11.025 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VY000019.D

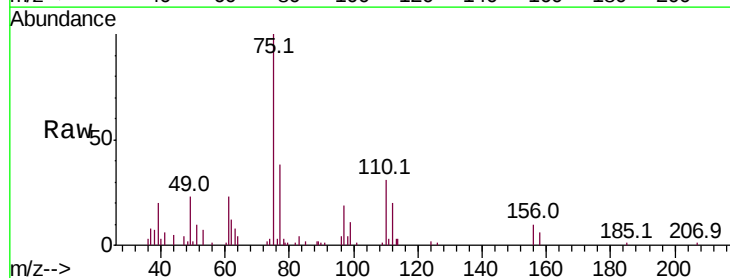
Acq: 12 Sep 2019 11:32

Tgt Ion: 75 Resp: 24361

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

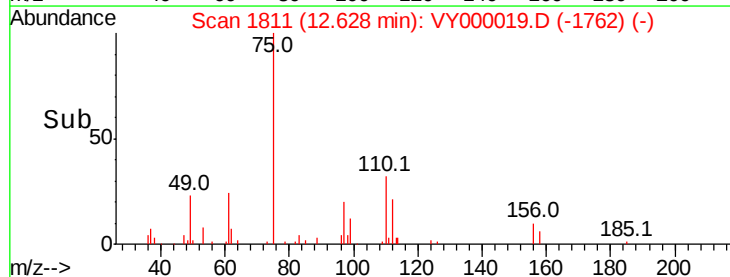
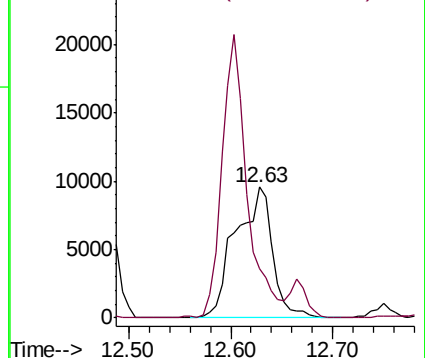
75 100

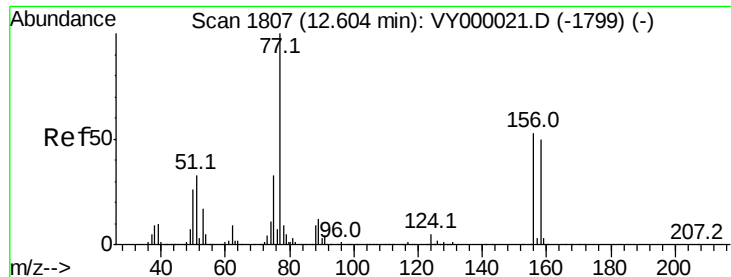
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 9.866 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

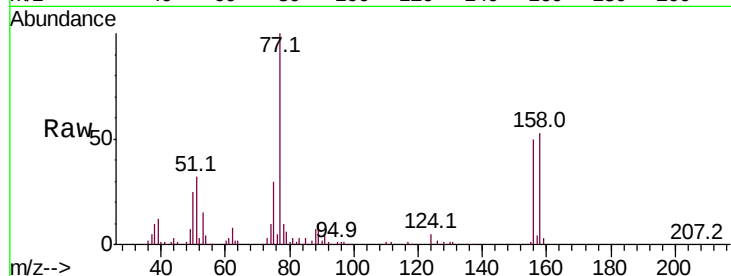
Tot Ion:156 Resp: 15885

Ion Ratio Lower Upper

156 100

77 225.7 106.0 317.9

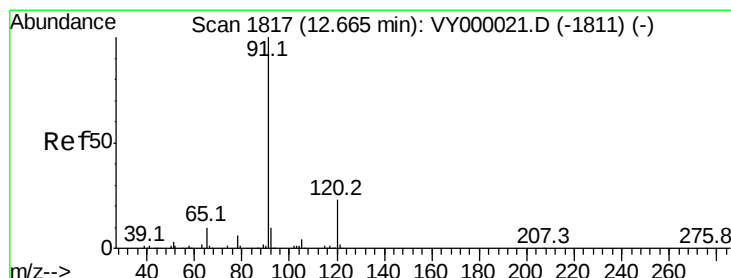
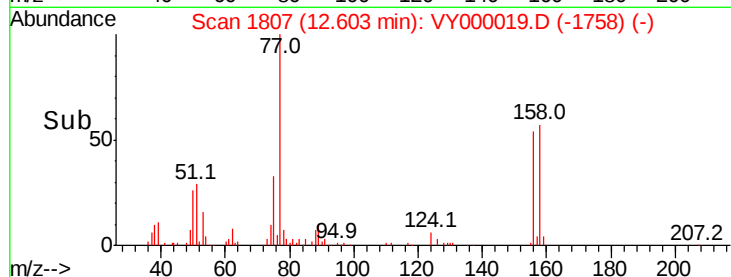
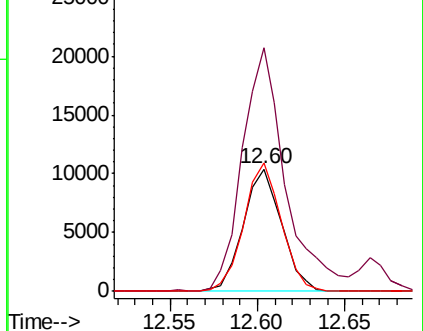
158 102.3 47.3 141.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.085 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000019.D

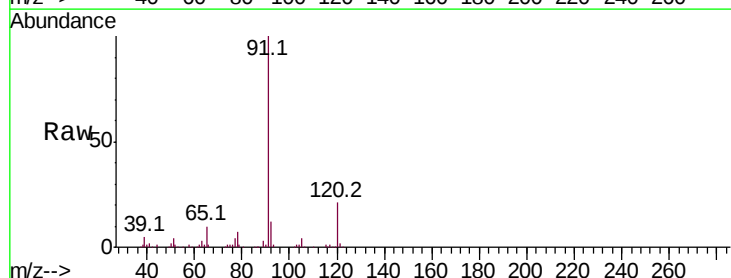
Acq: 12 Sep 2019 11:32

Tgt Ion: 91 Resp: 93814

Ion Ratio Lower Upper

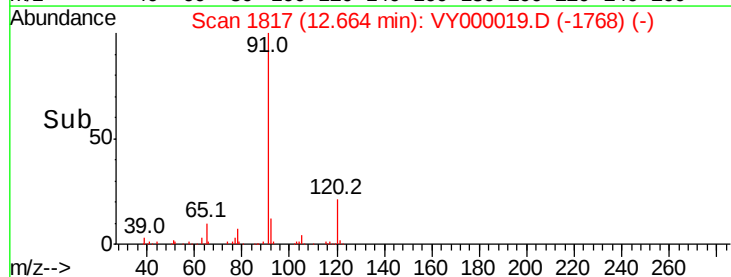
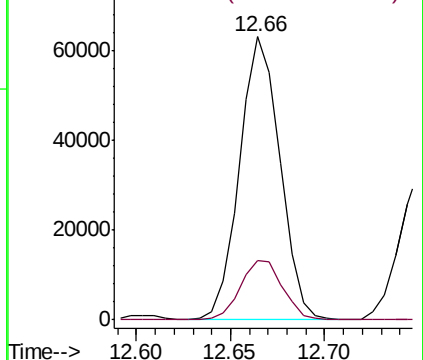
91 100

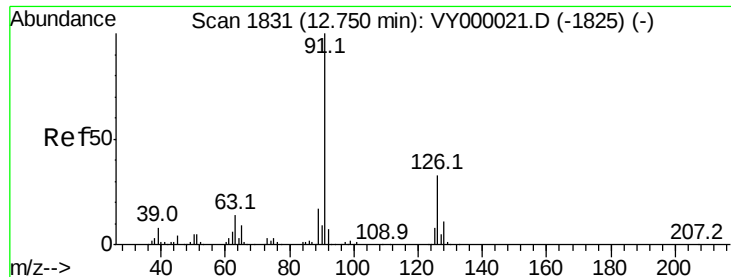
120 21.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

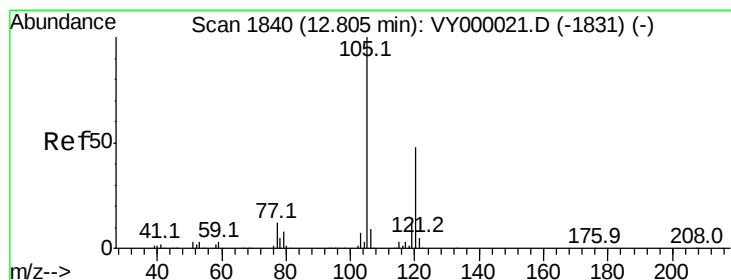
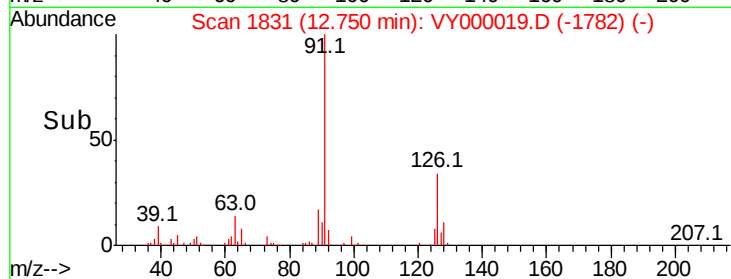
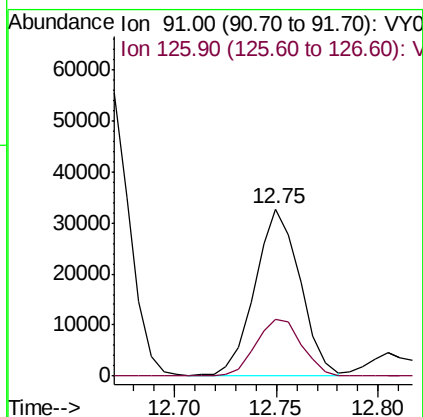
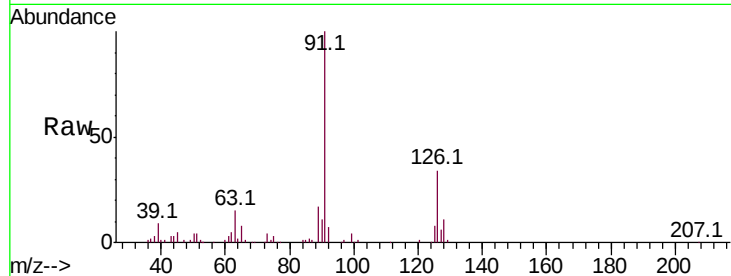




#79
2-Chlorotoluene
Concen: 9.649 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

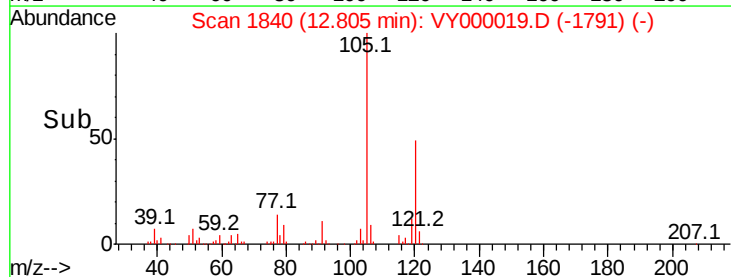
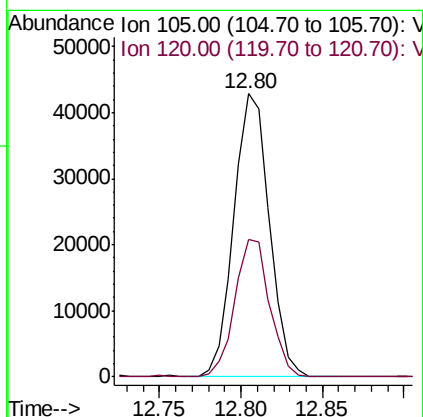
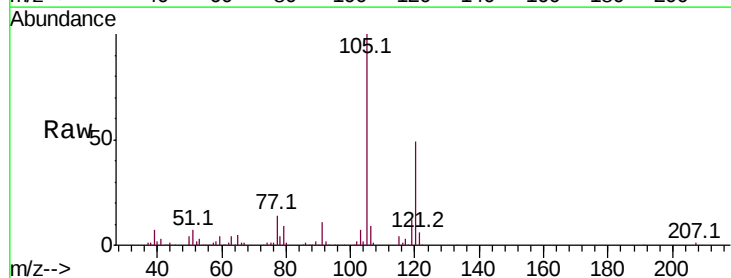
Instrument :
MSVOA_Y
ClientSampled :

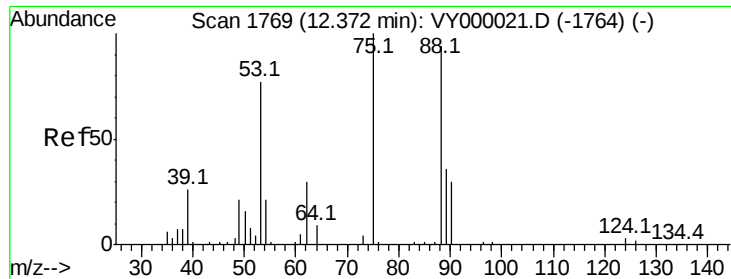
Tot Ion: 91 Resp: 50190
Ion Ratio Lower Upper
91 100
126 35.2 16.9 50.7



#80
1,3,5-Trimethylbenzene
Concen: 10.197 ug/l
RT: 12.80 min Scan# 1840
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion:105 Resp: 64805
Ion Ratio Lower Upper
105 100
120 47.7 24.3 73.0

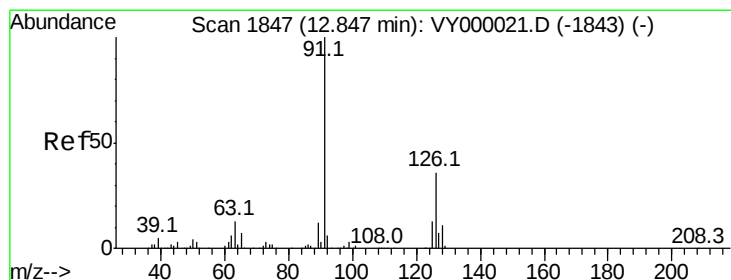
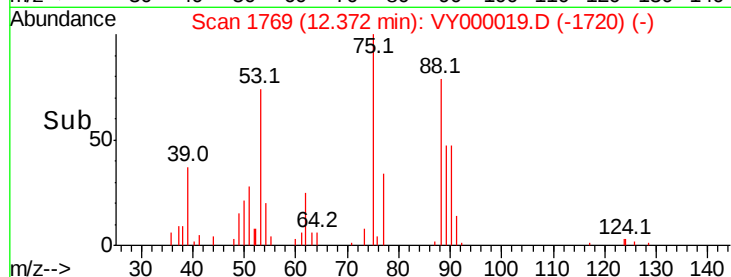
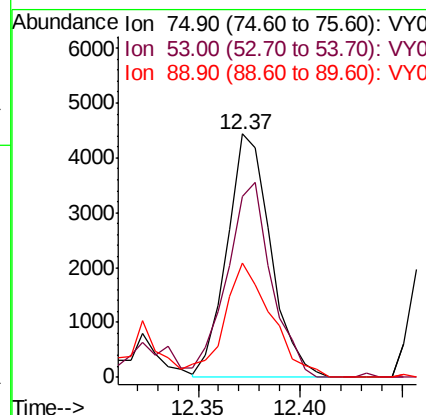
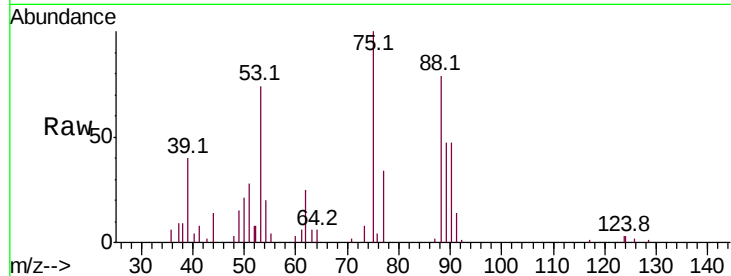




#81
trans-1,4-Dichloro-2-butene
Concen: 9.446 ug/l
RT: 12.37 min Scan# 1769
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

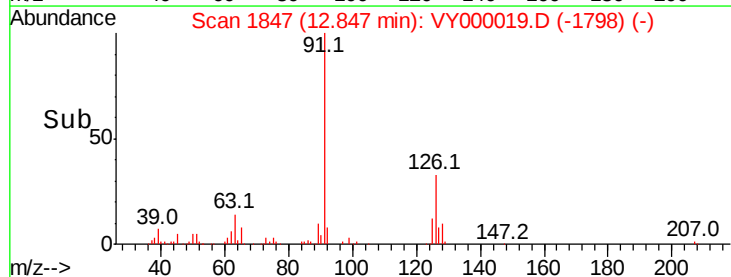
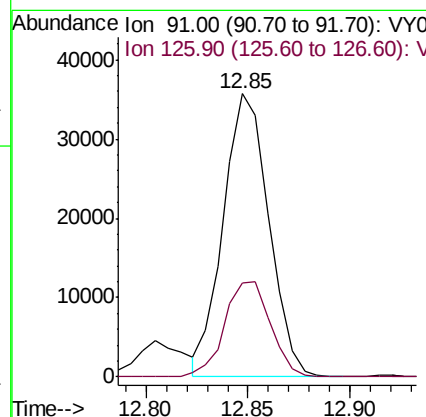
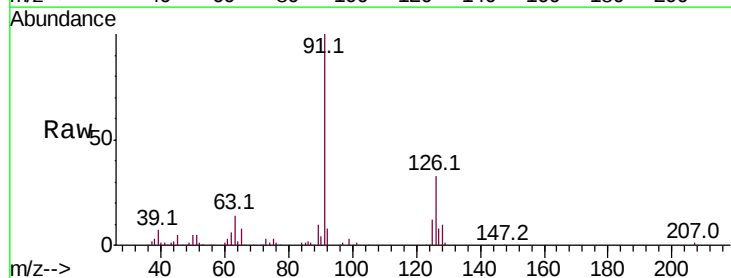
Instrument :
MSVOA_Y
ClientSampleId :

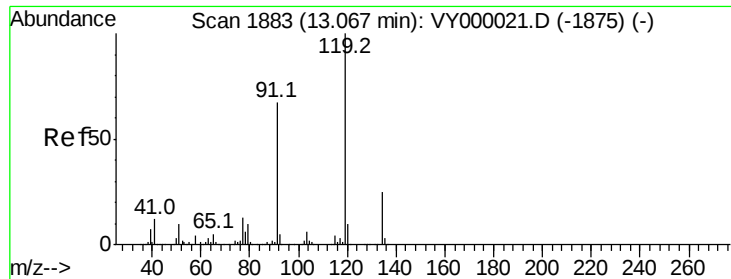
Tot Ion: 75 Resp: 6589
Ion Ratio Lower Upper
75 100
53 81.8 64.2 96.2
89 51.2 35.5 53.3



#82
4-Chlorotoluene
Concen: 10.137 ug/l
RT: 12.85 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion: 91 Resp: 55337
Ion Ratio Lower Upper
91 100
126 33.9 17.2 51.5





#83

tert-Butylbenzene

Concen: 10.228 ug/l

RT: 13.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

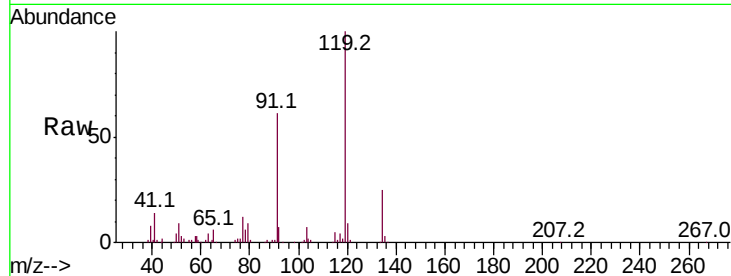
Tot Ion:119 Resp: 55852

Ion Ratio Lower Upper

119 100

91 63.7 33.1 99.5

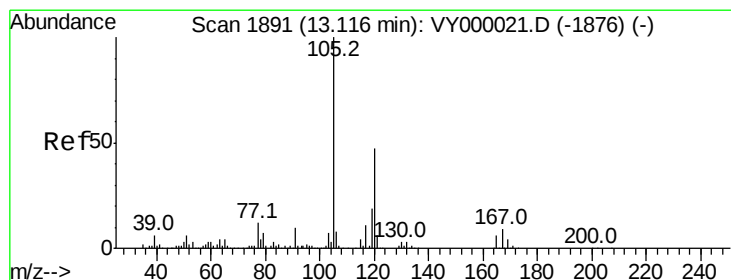
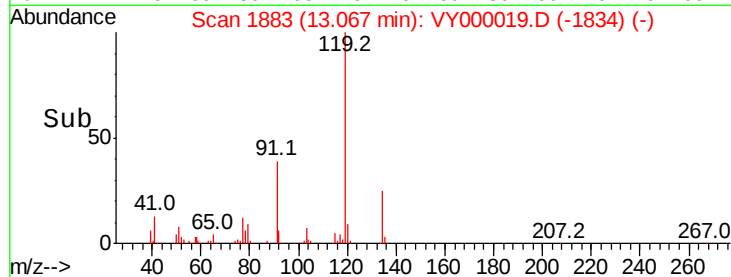
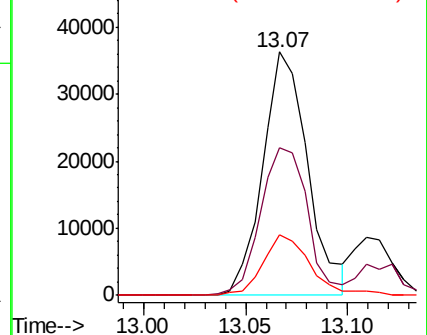
134 26.1 13.5 40.5



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: 10.115 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY000019.D

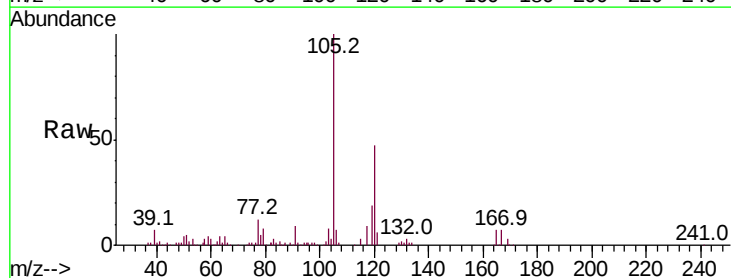
Acq: 12 Sep 2019 11:32

Tgt Ion:105 Resp: 63501

Ion Ratio Lower Upper

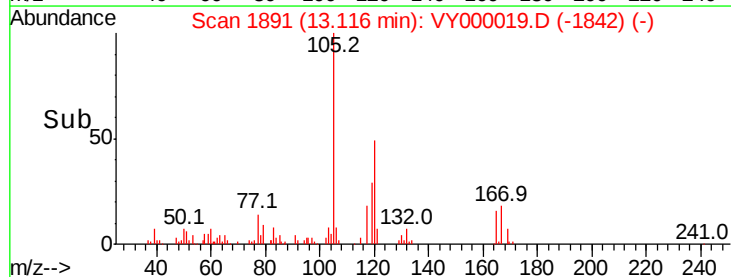
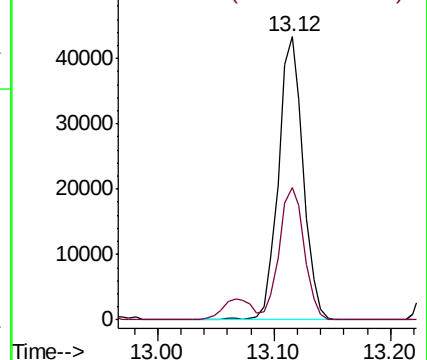
105 100

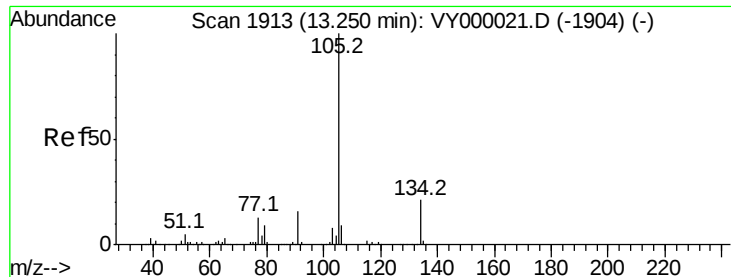
120 47.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.203 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

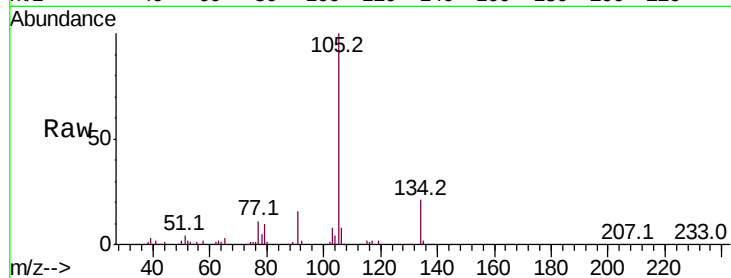
ClientSampleId :

Tot Ion:105 Resp: 82225

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

60000

50000

40000

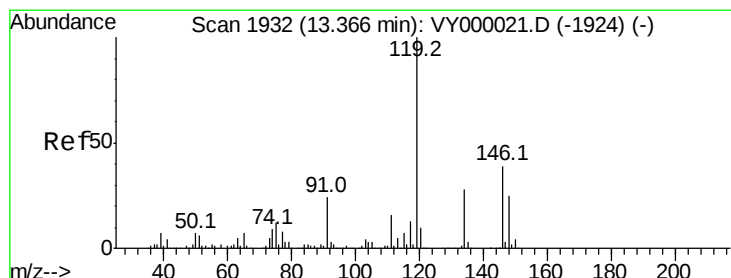
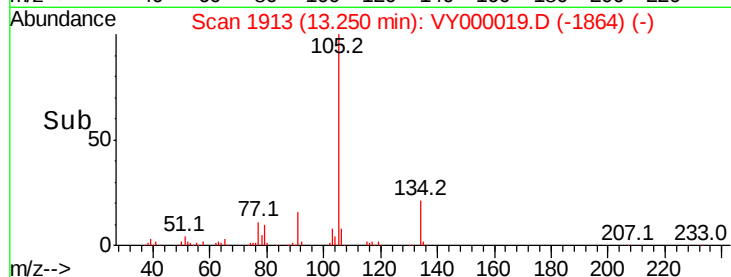
30000

20000

10000

0

Time-->



#86

p-Isopropyltoluene

Concen: 10.388 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

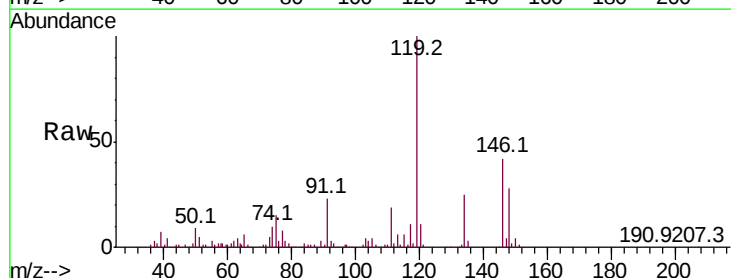
Tgt Ion:119 Resp: 71018

Ion Ratio Lower Upper

119 100

134 27.8 13.8 41.3

91 23.7 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.36

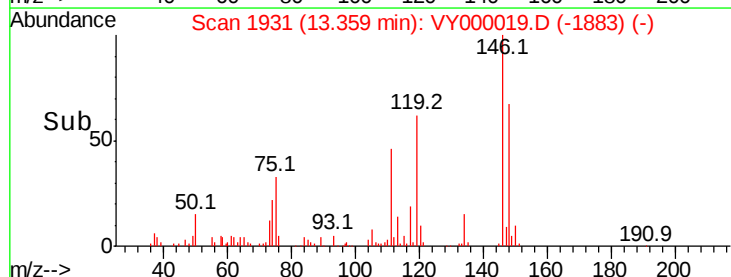
60000

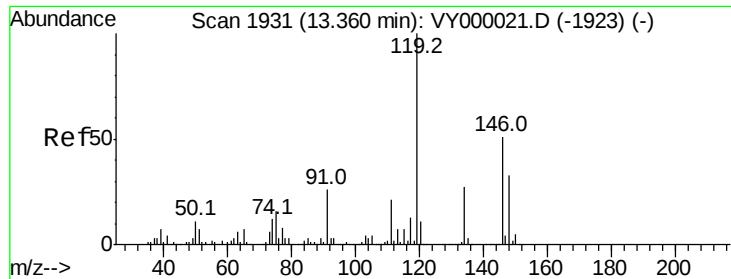
40000

20000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 9.981 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.00 min

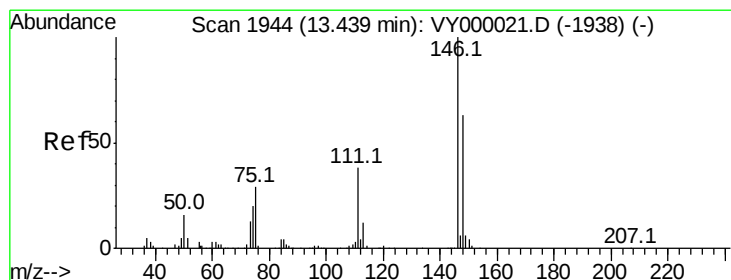
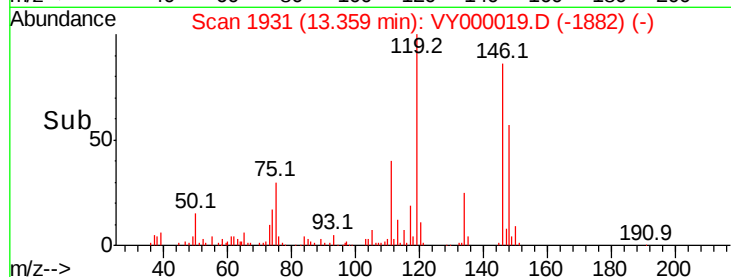
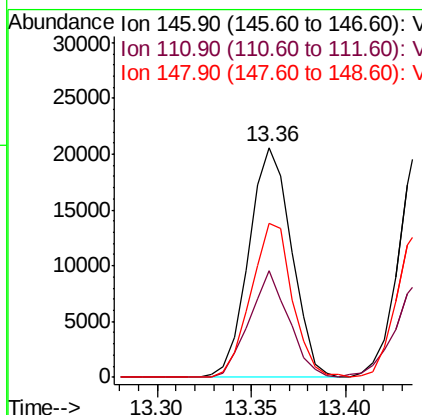
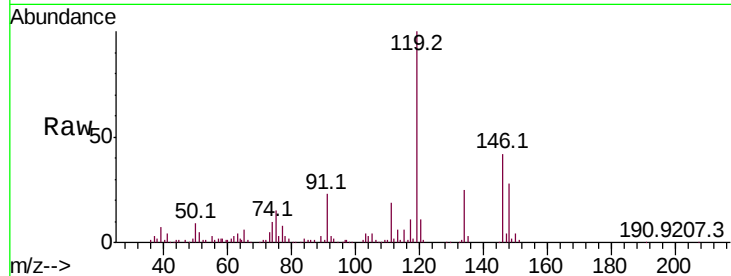
Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:146 Resp: 32345

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	64.9	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 10.061 ug/l

RT: 13.44 min Scan# 1944

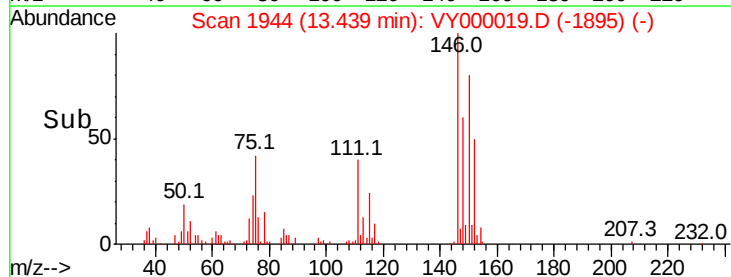
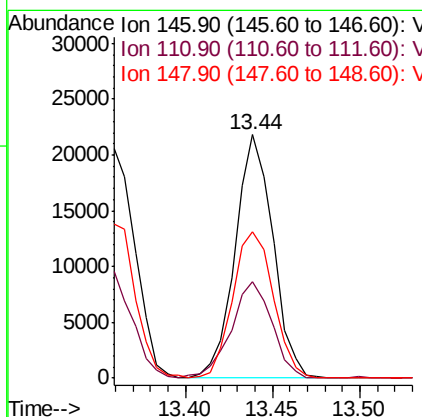
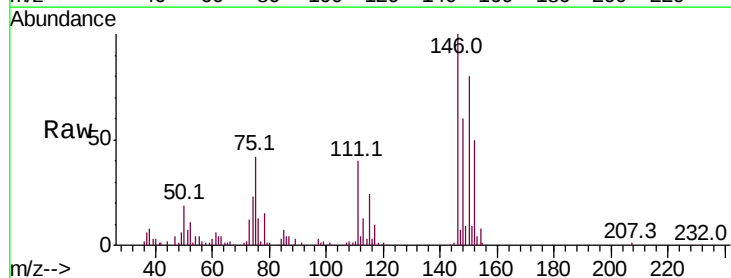
Delta R.T. -0.00 min

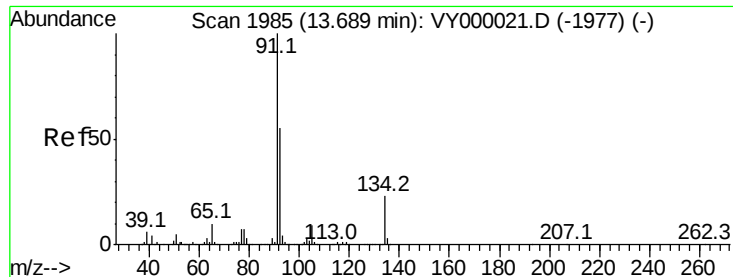
Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Tgt Ion:146 Resp: 32808

Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	60.9
148	64.8	31.7	95.1





#89

n-Butylbenzene

Concen: 10.153 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000019.D

Acq: 12 Sep 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

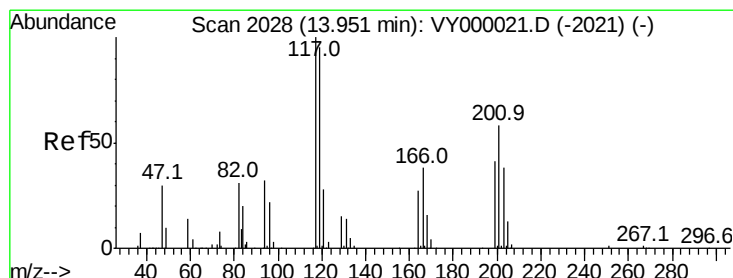
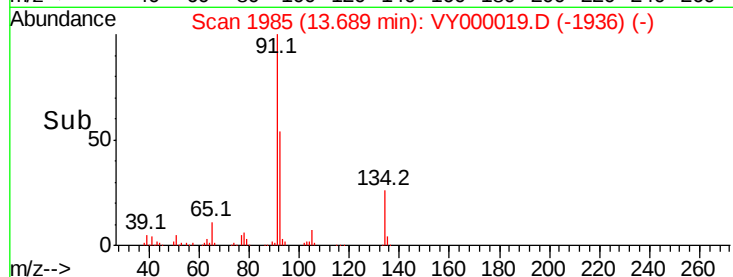
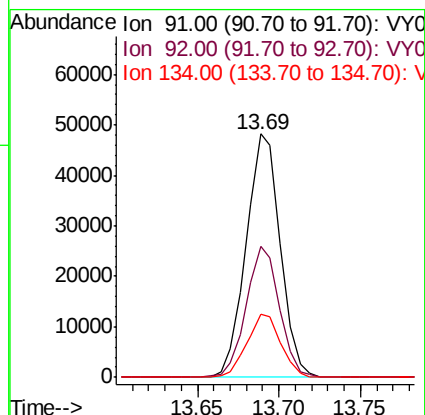
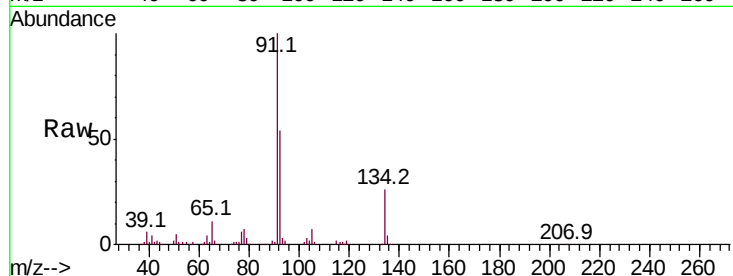
Tot Ion: 91 Resp: 70342

Ion Ratio Lower Upper

91 100

92 52.2 27.2 81.6

134 25.7 12.6 37.6



#90

Hexachloroethane

Concen: 10.416 ug/l

RT: 13.95 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VY000019.D

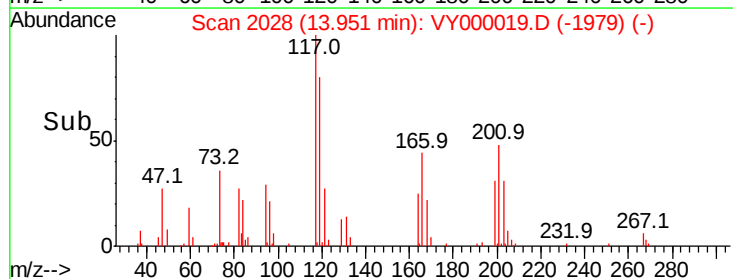
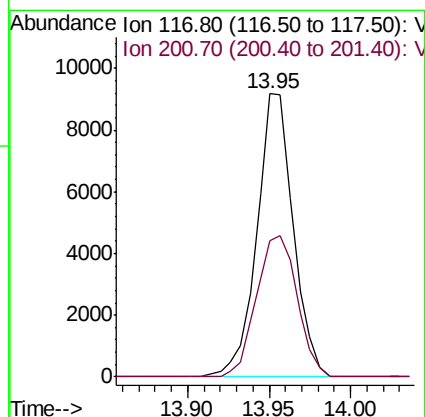
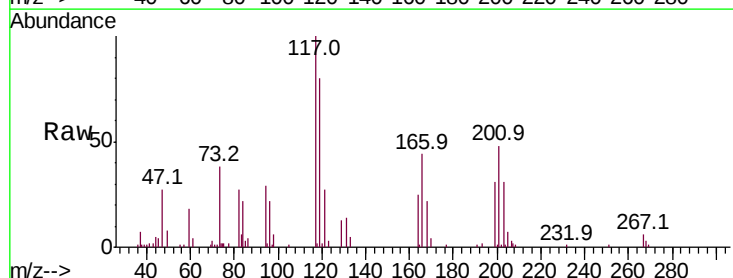
Acq: 12 Sep 2019 11:32

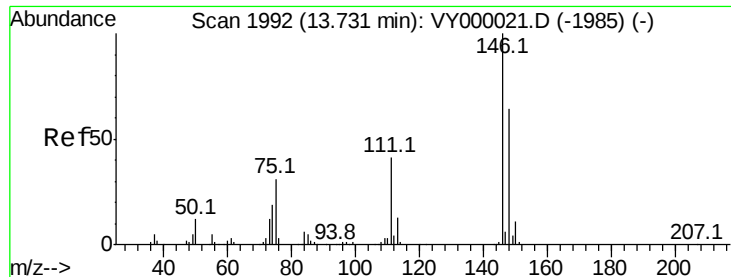
Tgt Ion: 117 Resp: 14231

Ion Ratio Lower Upper

117 100

201 55.8 31.4 94.0

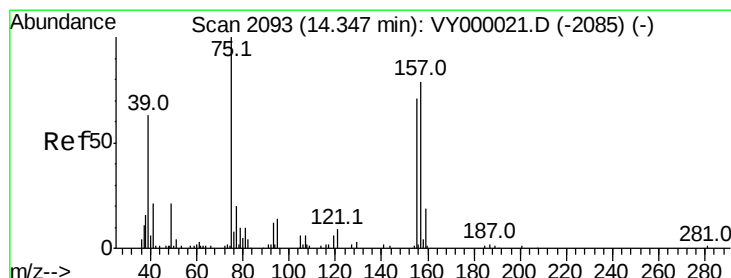
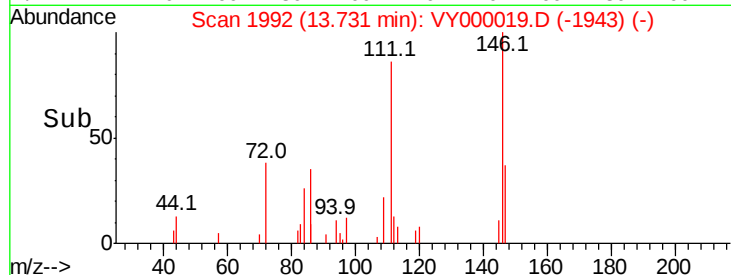
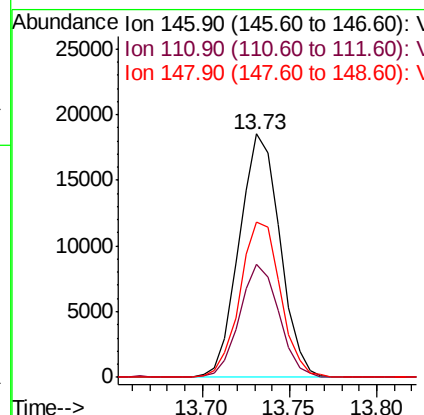
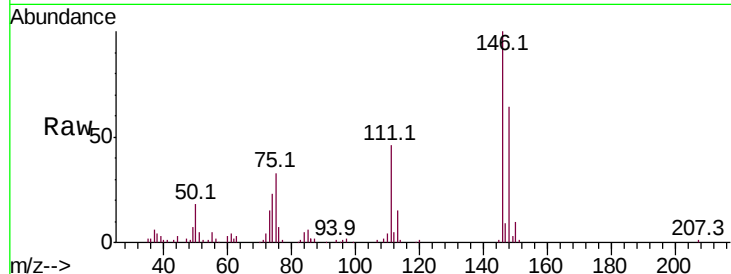




#91
 1,2-Dichlorobenzene
 Concen: 9.928 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

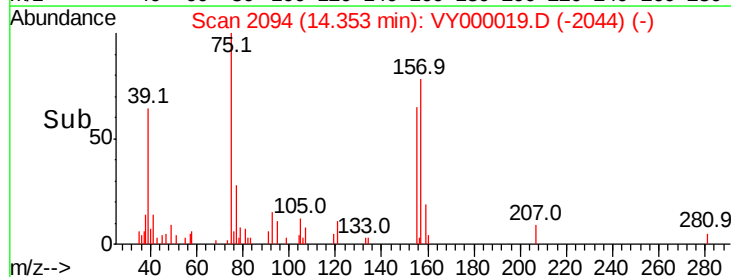
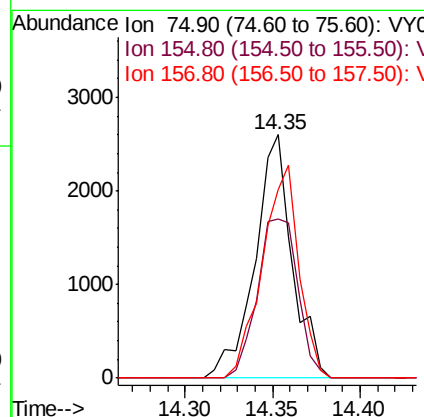
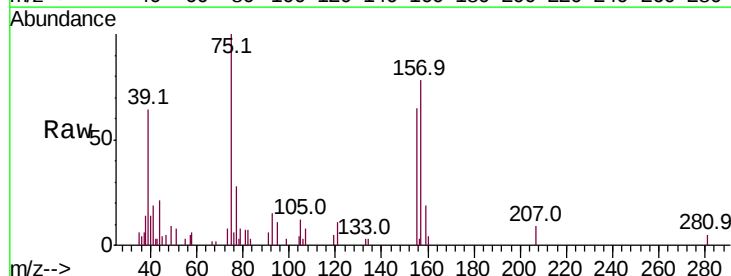
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 MSVOA_Y
 ClientSampleId :

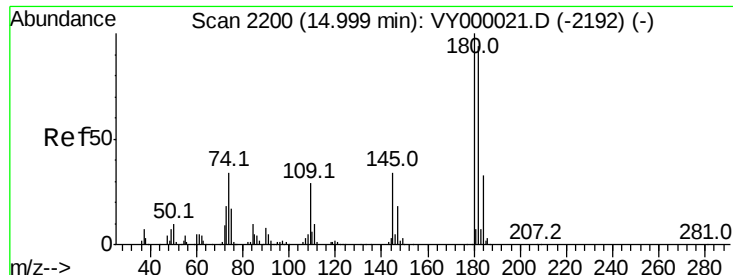
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.0	63.0
148	63.9	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.928 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	41.8	125.3
157	85.7	51.3	153.9

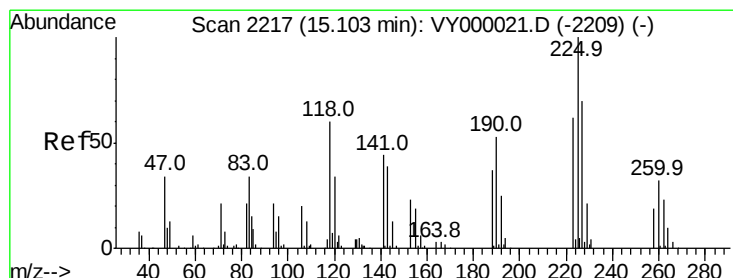
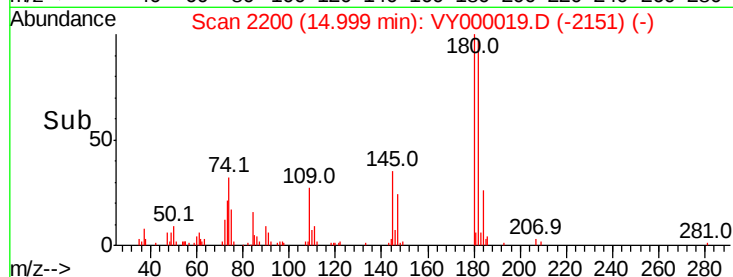
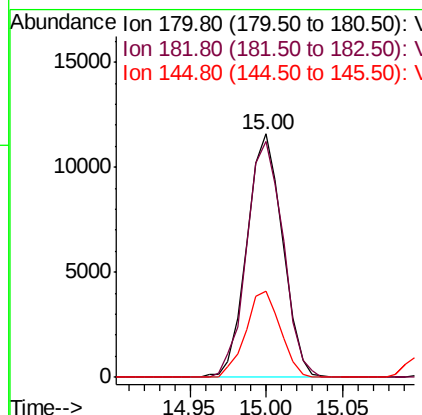
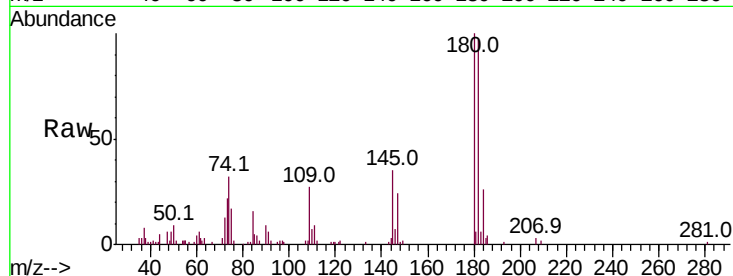




#93
 1,2,4-Trichlorobenzene
 Concen: 9.776 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

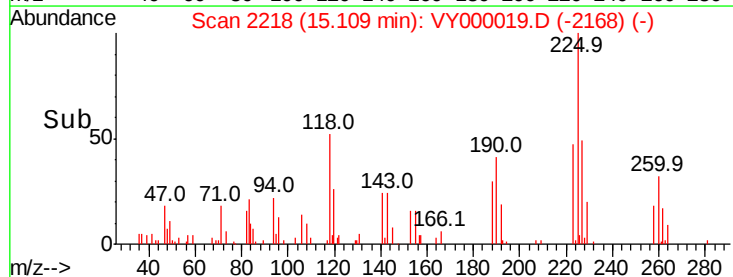
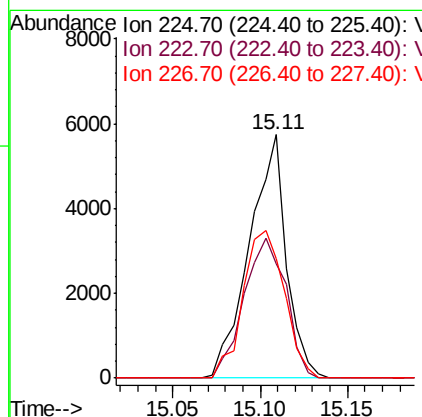
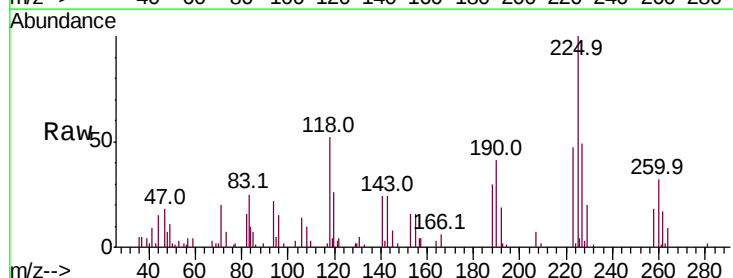
Instrument :
 MSVOA_Y
 ClientSampleId :

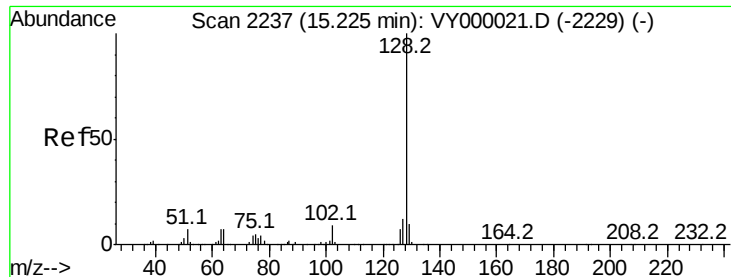
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.0	141.0
145	34.4	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 9.611 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000019.D
 Acq: 12 Sep 2019 11:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	30.9	92.7
227	67.7	31.0	93.0

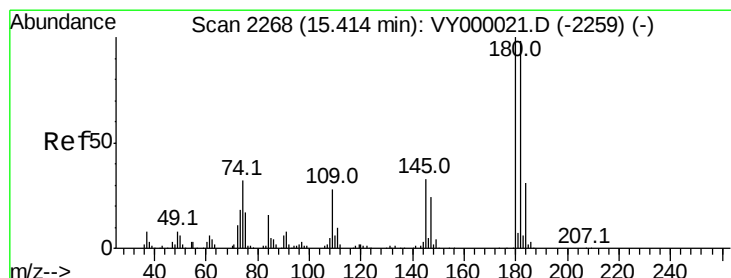
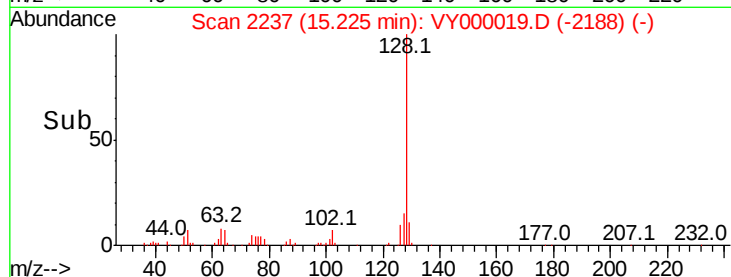
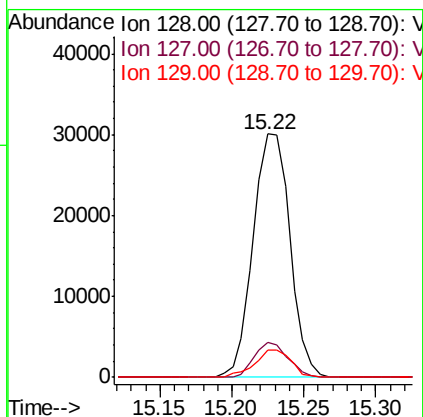
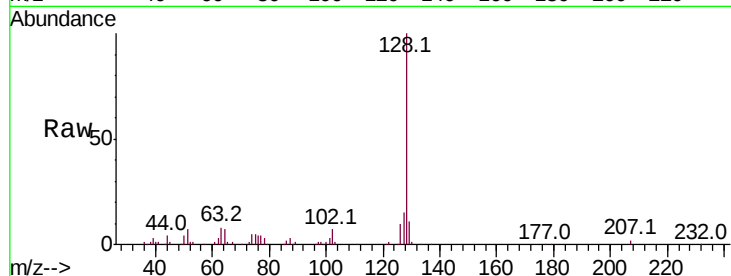




#95
Naphthalene
Concen: 10.096 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 53152
Ion Ratio Lower Upper
128 100
127 13.2 9.8 14.8
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.286 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000019.D
Acq: 12 Sep 2019 11:32

Tgt Ion:180 Resp: 17768
Ion Ratio Lower Upper
180 100
182 90.3 46.8 140.4
145 33.5 17.3 51.7

