

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000313.D
 Acq On : 15 Oct 2019 12:32
 Operator : SY/MD
 Sample : VY1015SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Quant Time: Oct 15 17:37:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	317497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	535669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	476481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227520	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	177822	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
35) Dibromofluoromethane	7.73	113	160514	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.18	98	655177	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.48	95	231765	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	62431	22.496	ug/l	99
3) Chloromethane	2.12	50	76962	19.837	ug/l	98
4) Vinyl Chloride	2.26	62	81492	20.813	ug/l	99
5) Bromomethane	2.65	94	59814	20.613	ug/l	92
6) Chloroethane	2.79	64	53052	20.999	ug/l	95
7) Trichlorofluoromethane	3.13	101	113495	21.191	ug/l	96
8) Diethyl Ether	3.54	74	39424	20.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65936	20.300	ug/l	98
10) Methyl Iodide	4.09	142	80325	18.136	ug/l	99
11) Tert butyl alcohol	4.98	59	32969	94.067	ug/l	98
12) 1,1-Dichloroethene	3.88	96	65959	20.570	ug/l	97
13) Acrolein	3.74	56	37271	90.704	ug/l	99
14) Allyl chloride	4.49	41	108566	20.430	ug/l	99
15) Acrylonitrile	5.18	53	105059	99.202	ug/l	98
16) Acetone	3.96	43	94299	86.945	ug/l	97
17) Carbon Disulfide	4.19	76	206090	20.413	ug/l	98
18) Methyl Acetate	4.49	43	53852	19.984	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	188665	21.135	ug/l	99
20) Methylene Chloride	4.72	84	84434	19.824	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	74918	20.364	ug/l	98
22) Diisopropyl ether	6.13	45	235172	20.924	ug/l	99
23) Vinyl Acetate	6.07	43	750342	102.334	ug/l	98
24) 1,1-Dichloroethane	6.02	63	127216	20.737	ug/l	97
25) 2-Butanone	7.00	43	145692	95.359	ug/l	96
26) 2,2-Dichloropropane	6.99	77	117509	20.787	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	81803	20.549	ug/l	99
28) Bromochloromethane	7.35	49	48510	18.420	ug/l	100
29) Tetrahydrofuran	7.36	42	89938	97.133	ug/l	99
30) Chloroform	7.52	83	125919	20.381	ug/l	98
31) Cyclohexane	7.80	56	132539	20.685	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	112842	20.544	ug/l	98
36) 1,1-Dichloropropene	7.92	75	102418	19.528	ug/l	99
37) Ethyl Acetate	7.08	43	63100	20.320	ug/l	97
38) Carbon Tetrachloride	7.91	117	98672	19.431	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	136462	19.881	ug/l	96
40) Benzene	8.17	78	301061	19.864	ug/l	96
41) Methacrylonitrile	7.36	41	82162	55.583	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	85224	19.685	ug/l	100
43) Isopropyl Acetate	8.28	43	114494	19.390	ug/l	99
44) Trichloroethene	8.94	130	83979	19.748	ug/l	98
45) 1,2-Dichloropropane	9.22	63	75348	20.258	ug/l	94
46) Dibromomethane	9.31	93	40508	19.483	ug/l	98
47) Bromodichloromethane	9.50	83	99062	20.217	ug/l	95
48) Methyl methacrylate	9.30	41	49837	19.259	ug/l	97
49) 1,4-Dioxane	9.31	88	10909	349.928	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	303788	99.751	ug/l	99
52) Toluene	10.25	92	191741	19.926	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	104977	19.990	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	120198	20.155	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	59468	19.671	ug/l	98
56) Ethyl methacrylate	10.52	69	84815	19.683	ug/l	96
57) 1,3-Dichloropropane	10.80	76	104907	20.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	199232	115.919	ug/l	99
59) 2-Hexanone	10.83	43	218688	102.303	ug/l	99
60) Dibromochloromethane	10.99	129	66352	19.802	ug/l	98
61) 1,2-Dibromoethane	11.10	107	56543	19.480	ug/l	100
64) Tetrachloroethene	10.72	164	89995	19.839	ug/l	100
65) Chlorobenzene	11.52	112	199145	19.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	69557	19.691	ug/l	98
67) Ethyl Benzene	11.60	91	367464	19.712	ug/l	100
68) m/p-Xylenes	11.70	106	278800	39.123	ug/l	96
69) o-Xylene	12.03	106	132562	19.499	ug/l	97
70) Styrene	12.05	104	224942	19.620	ug/l	99
71) Bromoform	12.21	173	39442	19.423	ug/l	99
73) Isopropylbenzene	12.33	105	358128	20.187	ug/l	100
74) N-amyl acetate	12.14	43	98241	22.557	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	66040	19.827	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	96643	34.544	ug/l #	100
77) Bromobenzene	12.61	156	79792	20.212	ug/l	97
78) n-propylbenzene	12.67	91	432594	20.309	ug/l	99
79) 2-Chlorotoluene	12.75	91	241697	20.547	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	301328	20.256	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	24182	18.912	ug/l	99
82) 4-Chlorotoluene	12.86	91	255434	20.543	ug/l	98
83) tert-Butylbenzene	13.08	119	253602	20.131	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	301313	20.523	ug/l	99
85) sec-Butylbenzene	13.25	105	370664	20.339	ug/l	99
86) p-Isopropyltoluene	13.37	119	328647	20.685	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	159302	20.481	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	154034	19.813	ug/l	97
89) n-Butylbenzene	13.70	91	321077	20.450	ug/l	99
90) Hexachloroethane	13.96	117	60527	20.574	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	142386	20.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12364	19.572	ug/l	96

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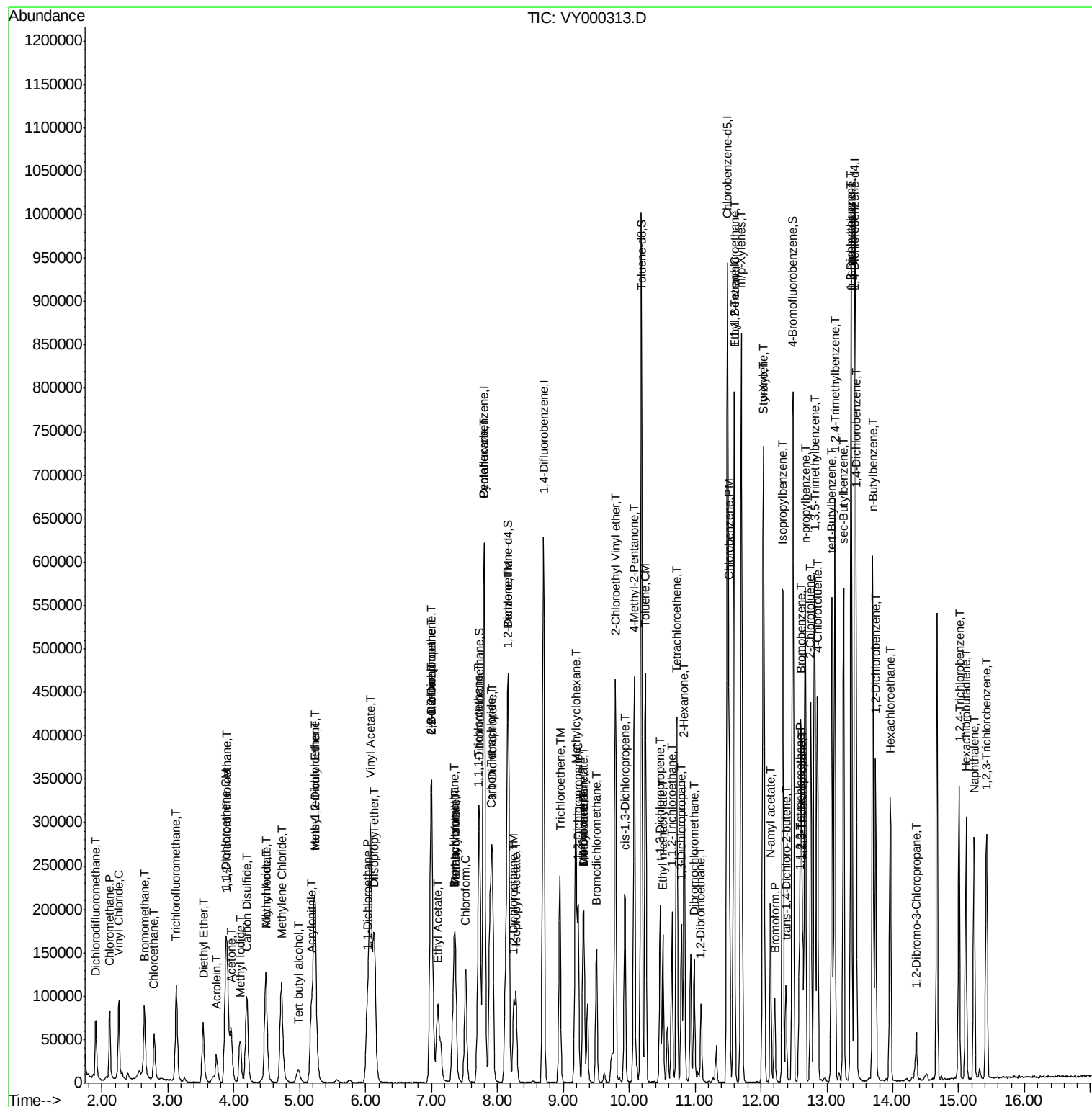
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	97373	19.869	ug/l	99
94) Hexachlorobutadiene	15.11	225	51458	19.402	ug/l	97
95) Naphthalene	15.23	128	222659	20.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	88600	20.060	ug/l	99

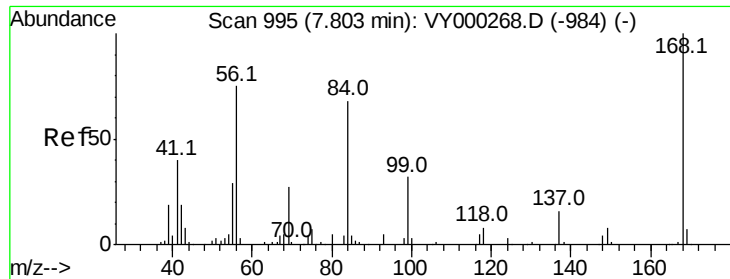
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

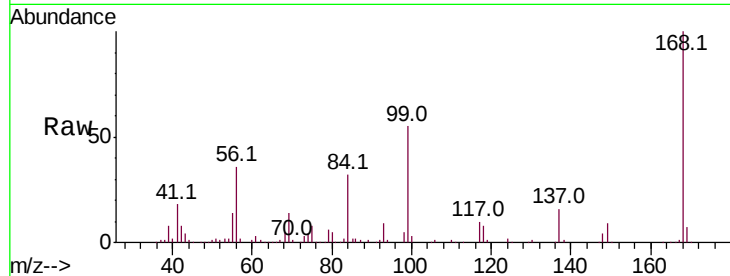
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion:168 Resp: 317497

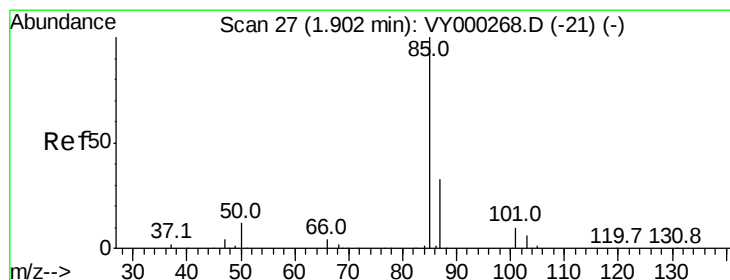
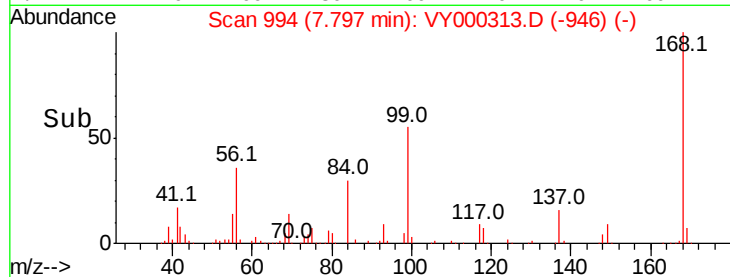
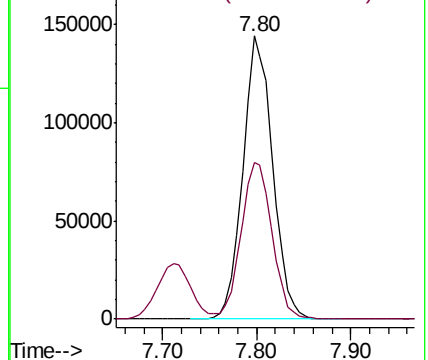
Ion Ratio Lower Upper

168 100

99 55.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)



#2

Dichlorodifluoromethane

Concen: 22.496 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000313.D

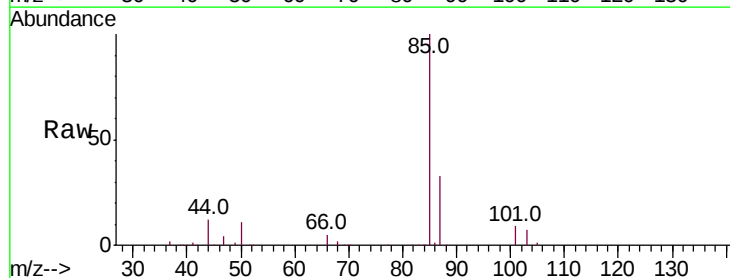
Acq: 15 Oct 2019 12:32

Tgt Ion: 85 Resp: 62431

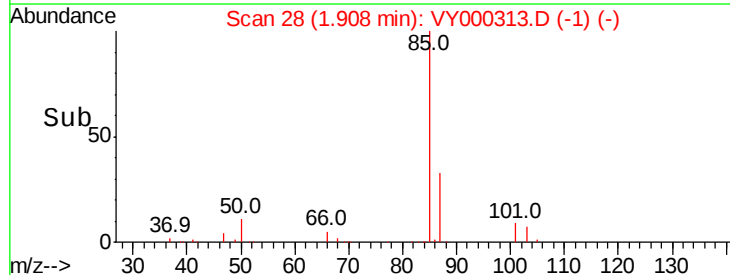
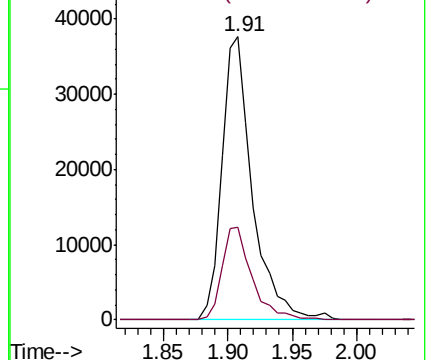
Ion Ratio Lower Upper

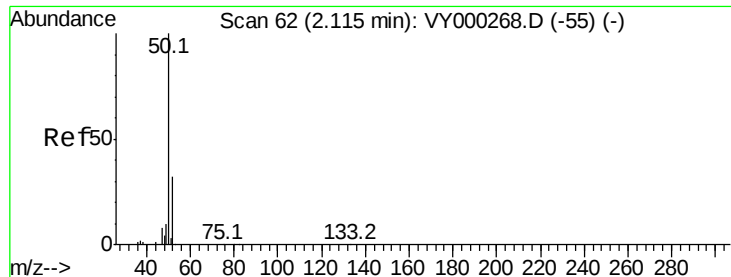
85 100

87 32.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)





#3

Chloromethane

Concen: 19.837 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

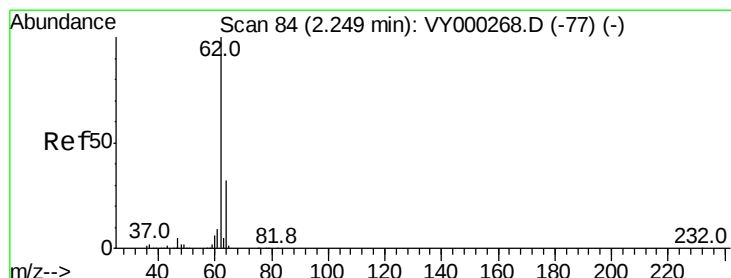
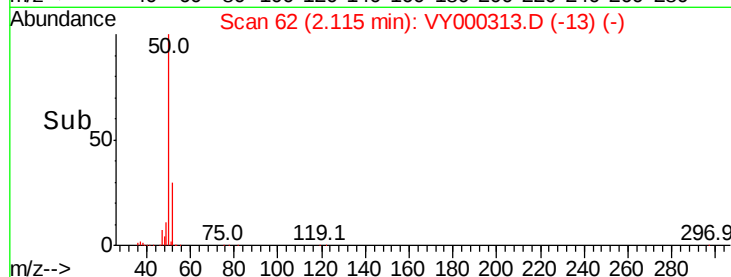
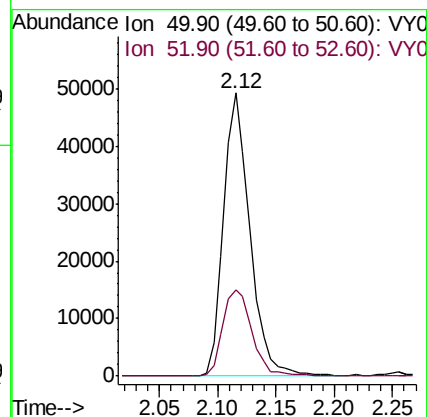
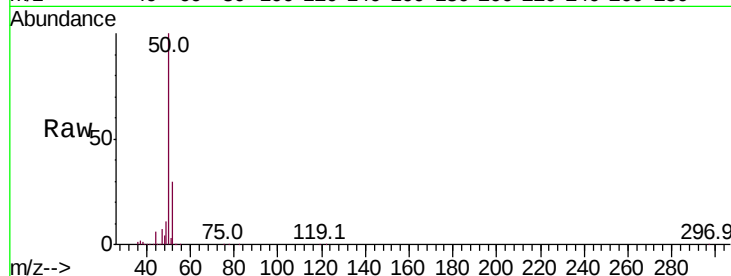
VY1015SBS01

Tot Ion: 50 Resp: 76962

Ion Ratio Lower Upper

50 100

52 30.4 25.3 37.9



#4

Vinyl Chloride

Concen: 20.813 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000313.D

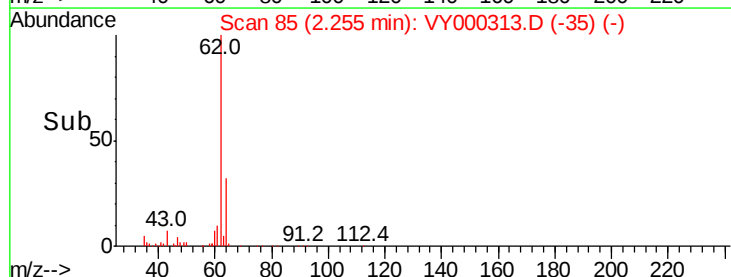
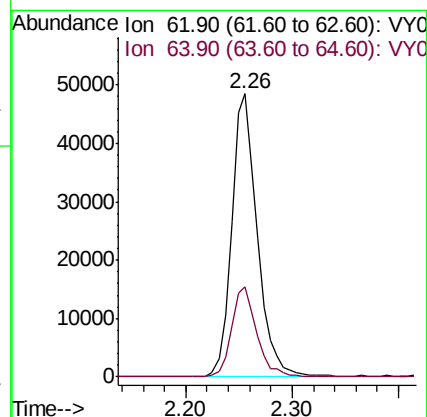
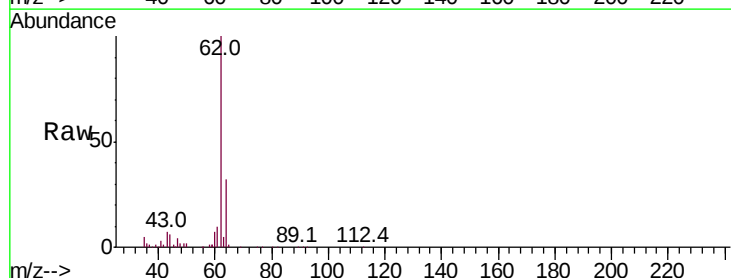
Acq: 15 Oct 2019 12:32

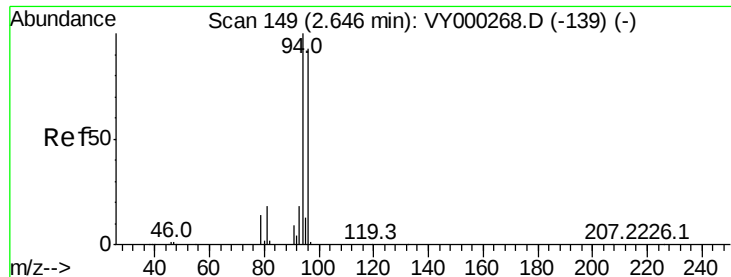
Tgt Ion: 62 Resp: 81492

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 20.613 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

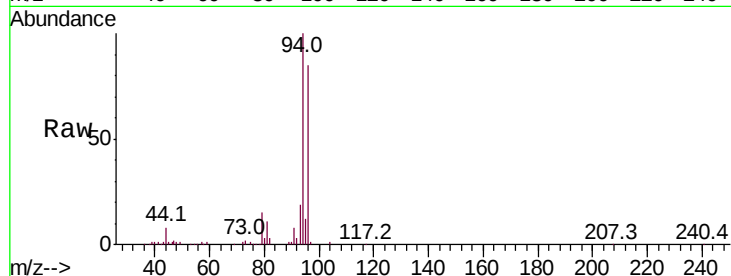
VY1015SBS01

Tot Ion: 94 Resp: 59814

Ion Ratio Lower Upper

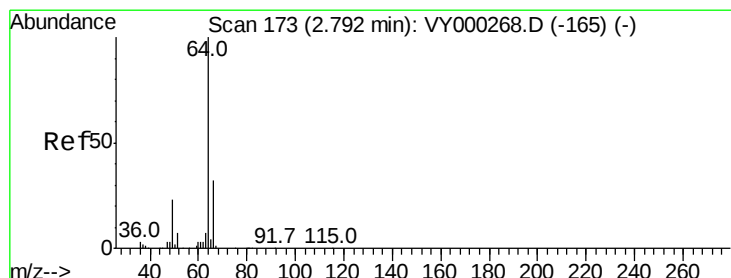
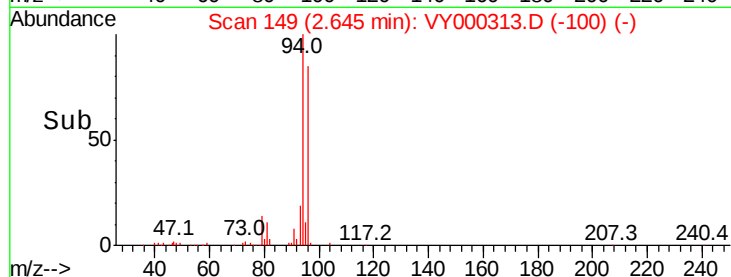
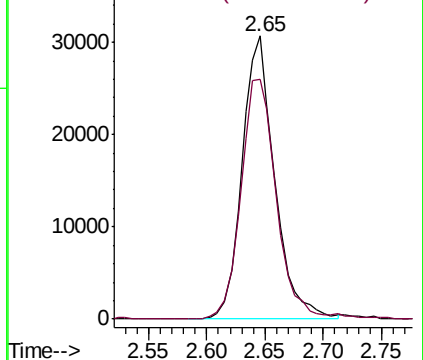
94 100

96 84.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.999 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000313.D

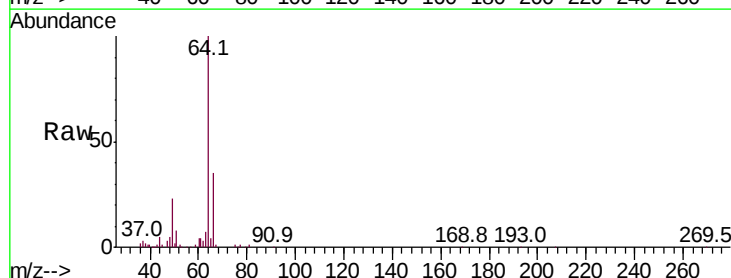
Acq: 15 Oct 2019 12:32

Tgt Ion: 64 Resp: 53052

Ion Ratio Lower Upper

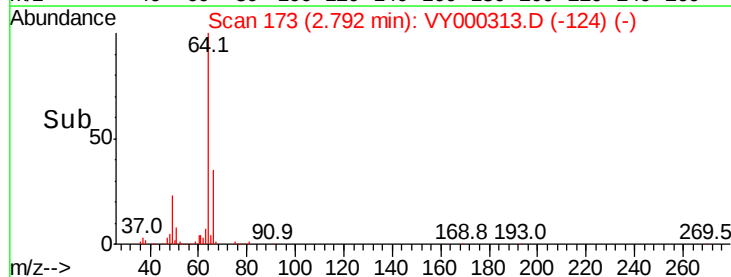
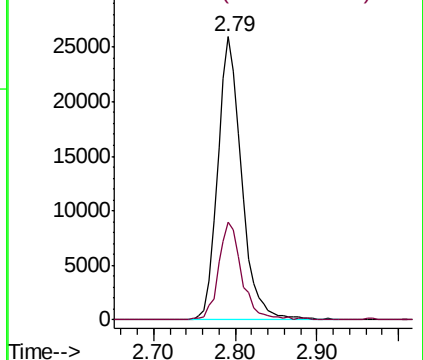
64 100

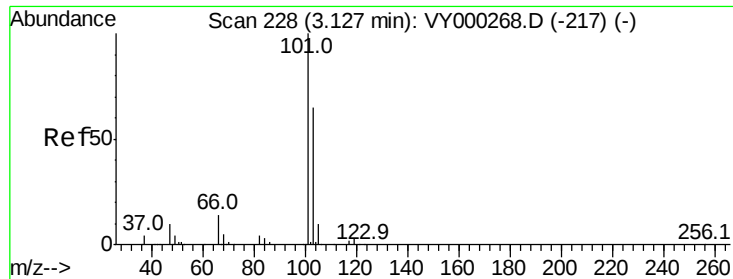
66 34.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



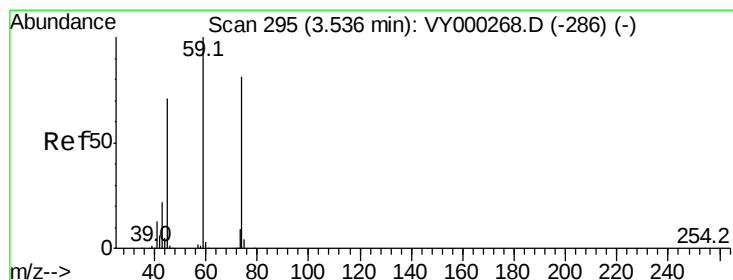
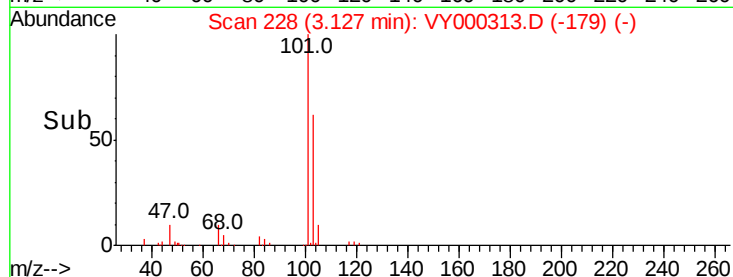
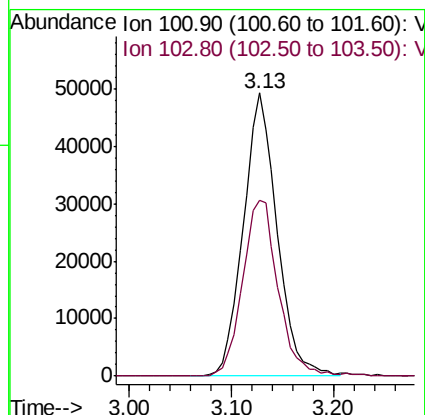
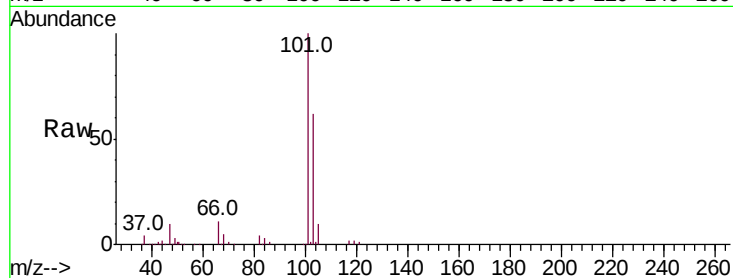


#7

Trichlorofluoromethane
 Concen: 21.191 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
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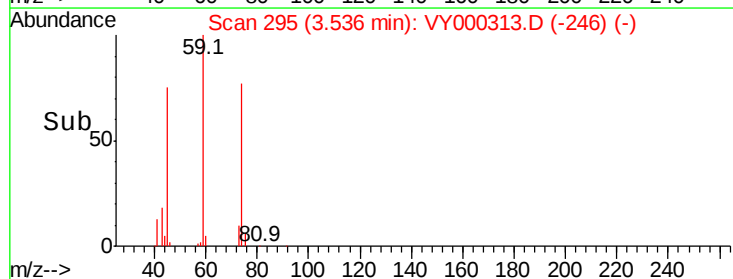
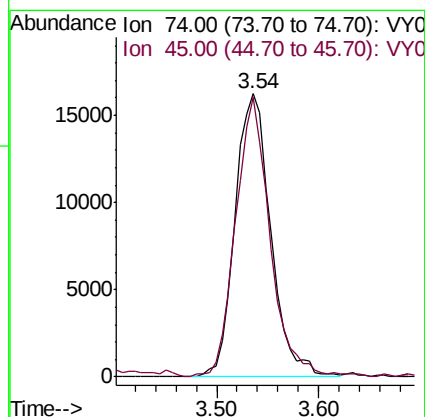
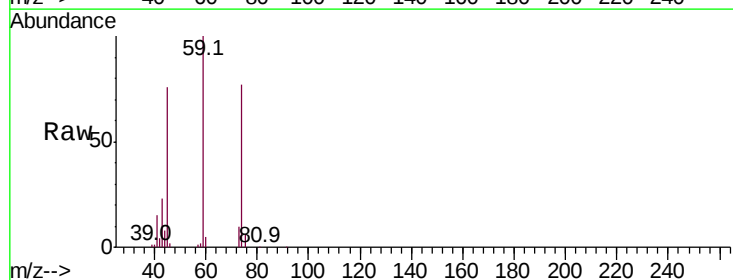
Tot Ion:101 Resp: 113495
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.2 78.4

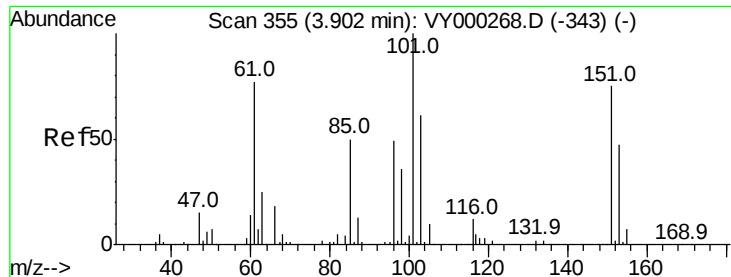


#8

Diethyl Ether
 Concen: 20.836 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion: 74 Resp: 39424
 Ion Ratio Lower Upper
 74 100
 45 95.9 47.1 141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.300 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

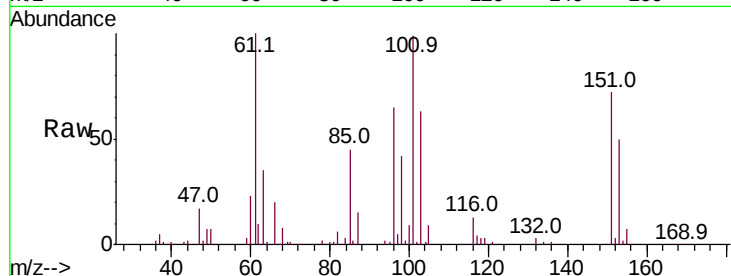
Tot Ion:101 Resp: 65936

Ion Ratio Lower Upper

101 100

85 43.3 36.6 55.0

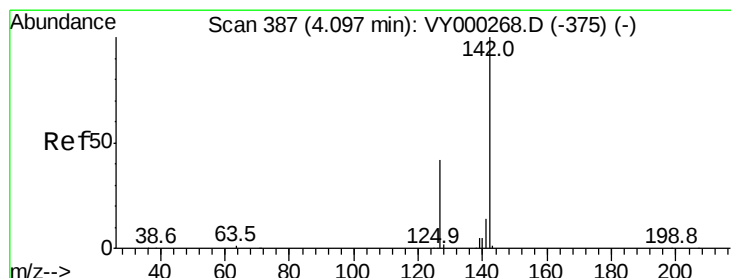
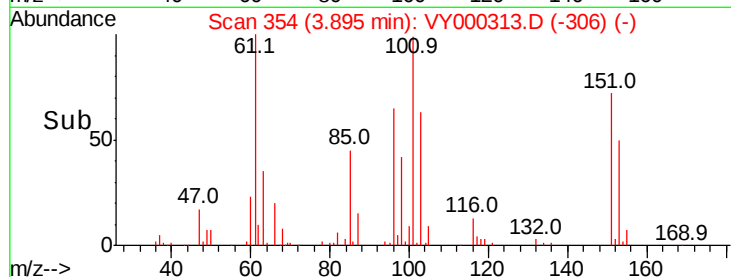
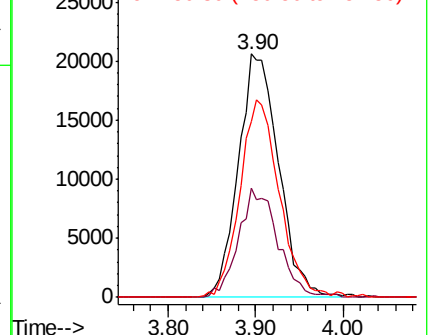
151 79.2 63.1 94.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.136 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

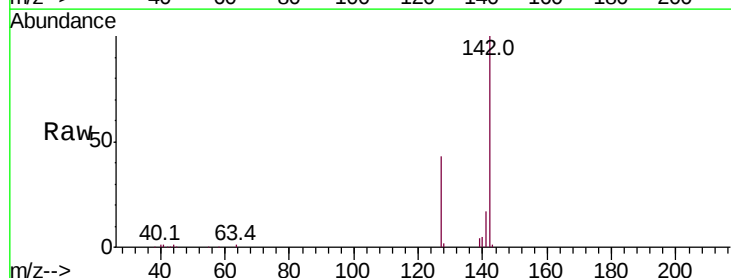
Tgt Ion:142 Resp: 80325

Ion Ratio Lower Upper

142 100

127 41.9 33.9 50.9

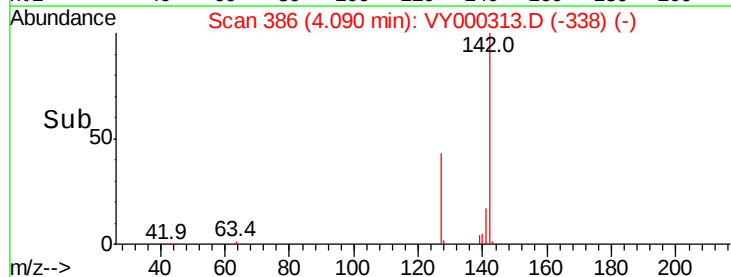
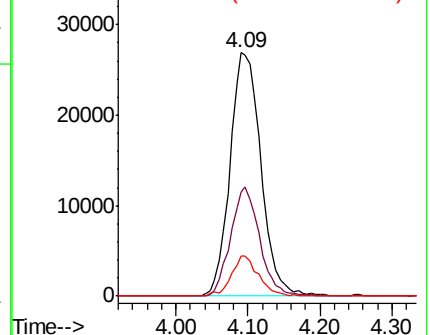
141 14.7 11.2 16.8

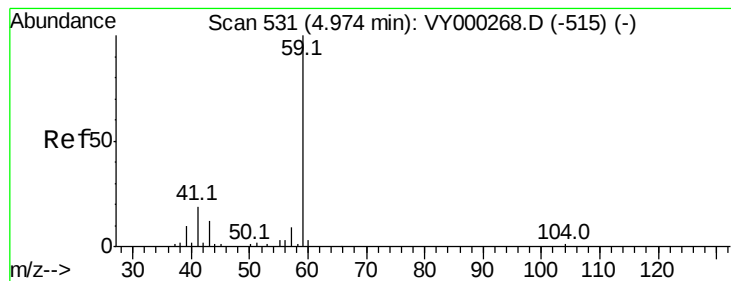


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.067 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

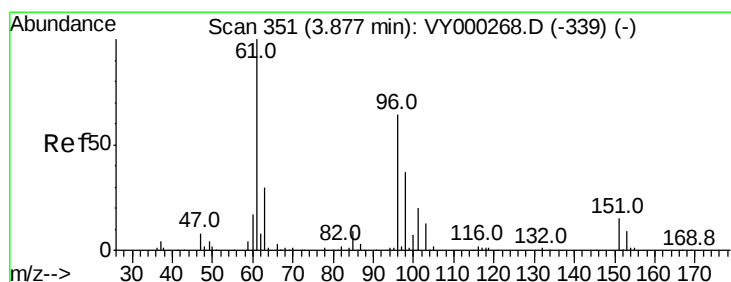
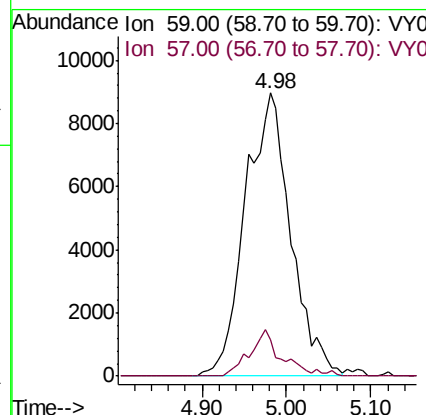
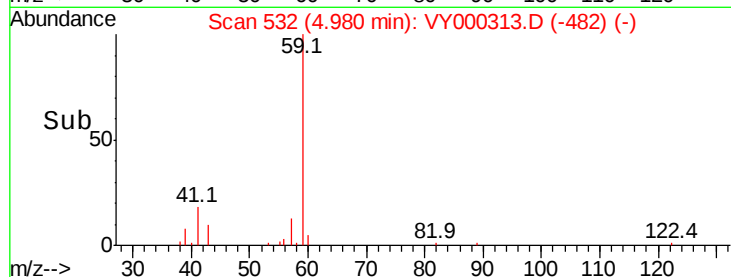
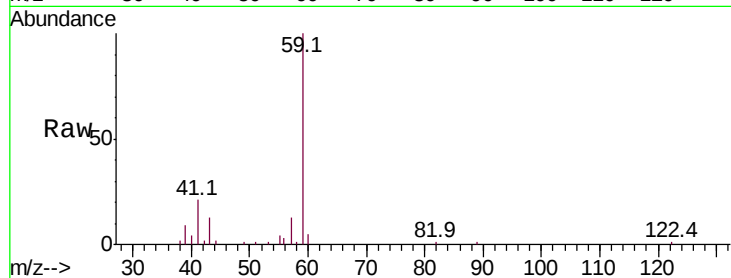
VY1015SBS01

Tot Ion: 59 Resp: 32969

Ion Ratio Lower Upper

59 100

57 10.9 8.2 12.2



#12

1,1-Dichloroethene

Concen: 20.570 ug/l

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

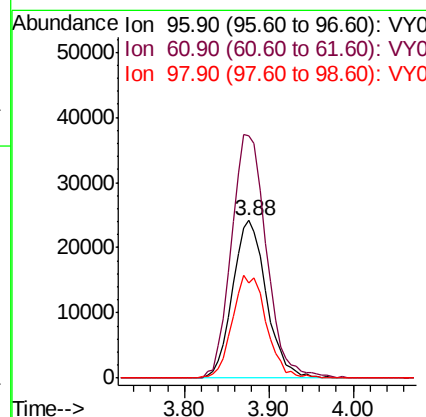
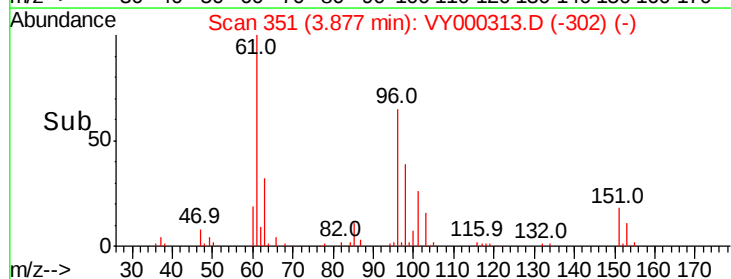
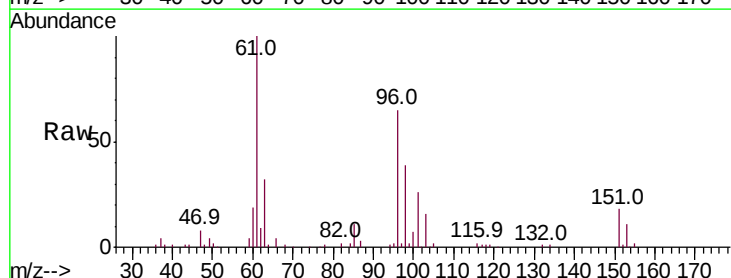
Tgt Ion: 96 Resp: 65959

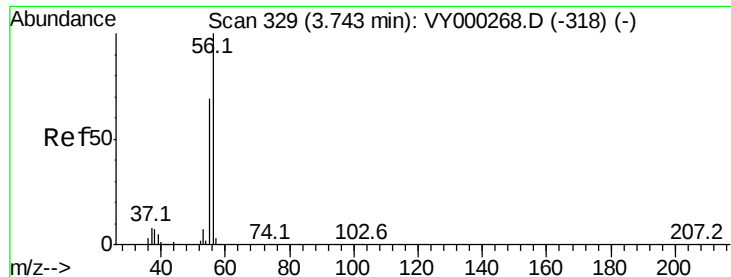
Ion Ratio Lower Upper

96 100

61 154.0 125.8 188.6

98 60.0 46.2 69.2





#13

Acrolein

Concen: 90.704 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

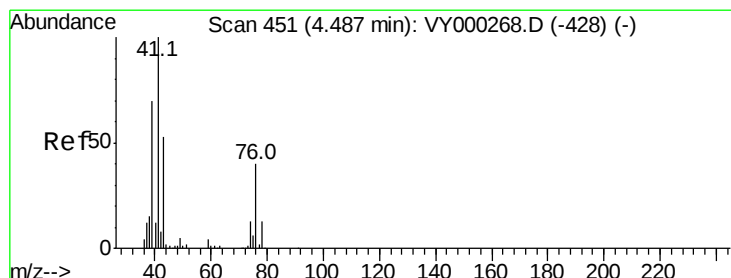
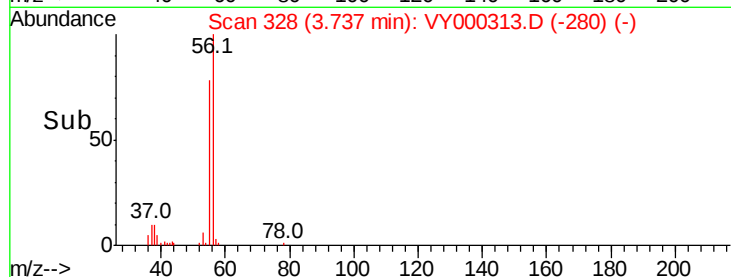
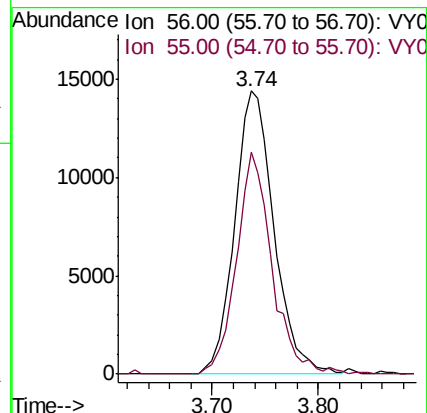
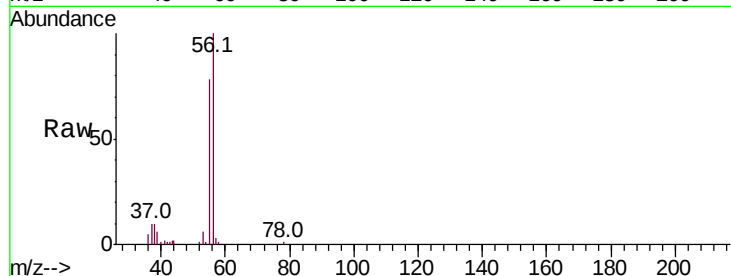
VY1015SBS01

Tot Ion: 56 Resp: 37271

Ion Ratio Lower Upper

56 100

55 70.1 55.7 83.5



#14

Allyl chloride

Concen: 20.430 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

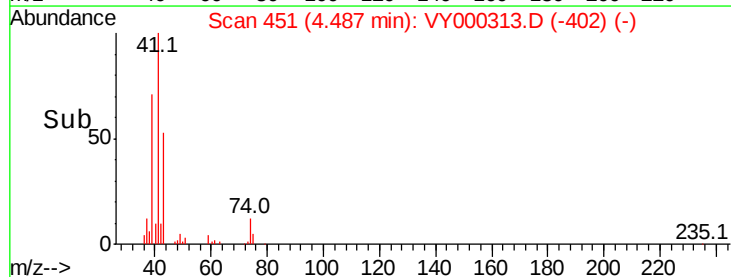
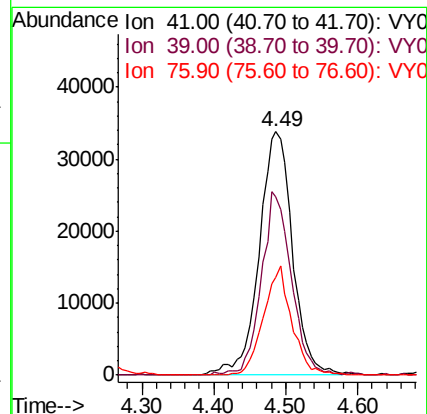
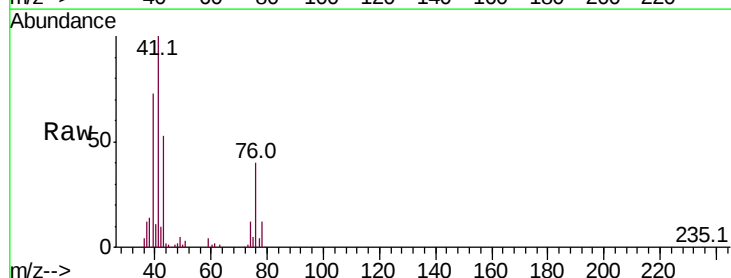
Tgt Ion: 41 Resp: 108566

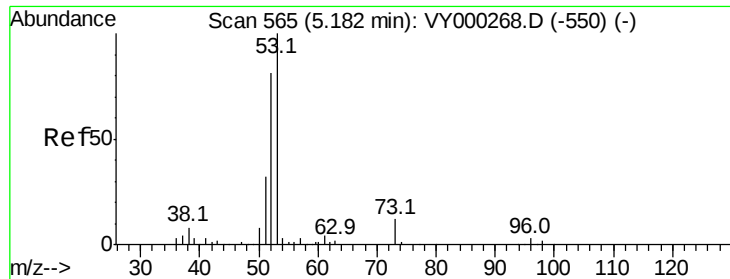
Ion Ratio Lower Upper

41 100

39 68.0 54.0 81.0

76 38.1 30.7 46.1





#15

Acrylonitrile

Concen: 99.202 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

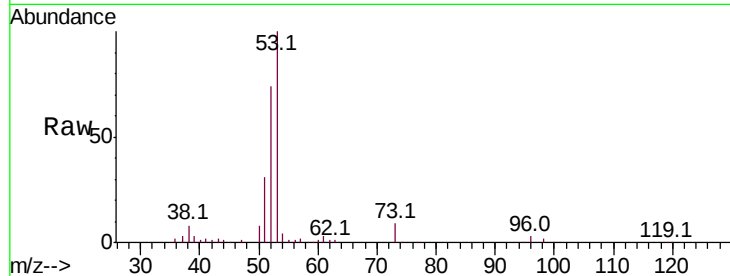
Tot Ion: 53 Resp: 105059

Ion Ratio Lower Upper

53 100

52 79.8 62.9 94.3

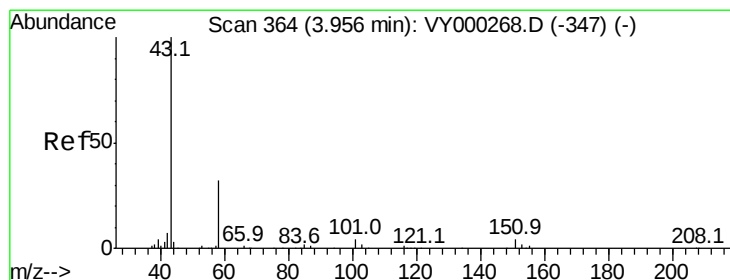
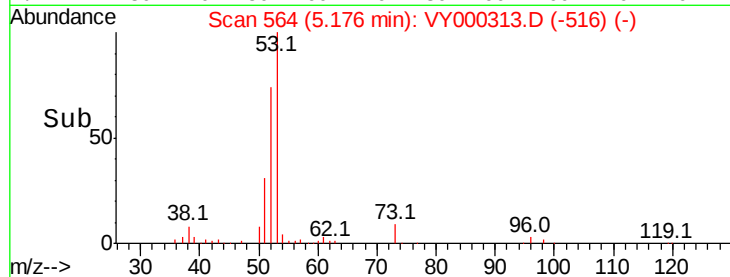
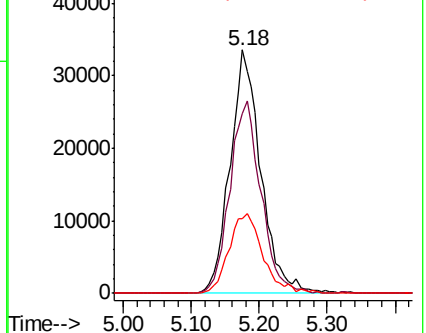
51 36.3 26.9 40.3



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 86.945 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000313.D

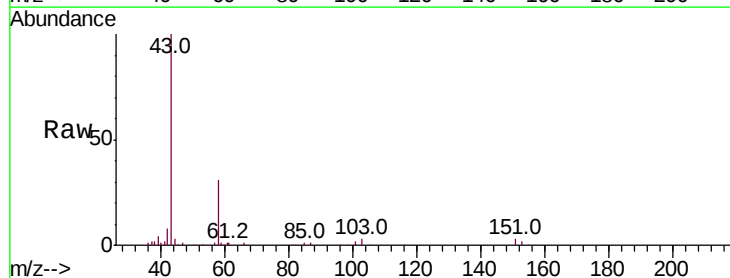
Acq: 15 Oct 2019 12:32

Tgt Ion: 43 Resp: 94299

Ion Ratio Lower Upper

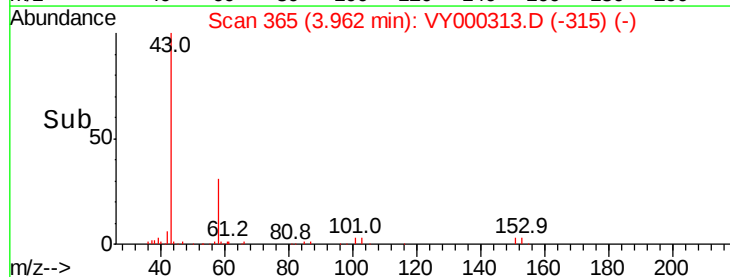
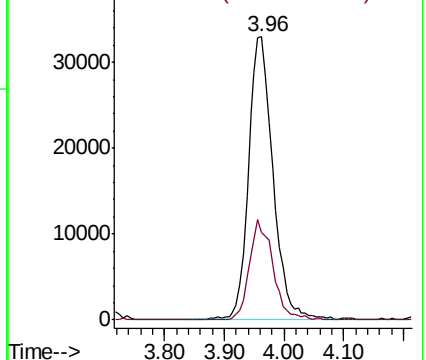
43 100

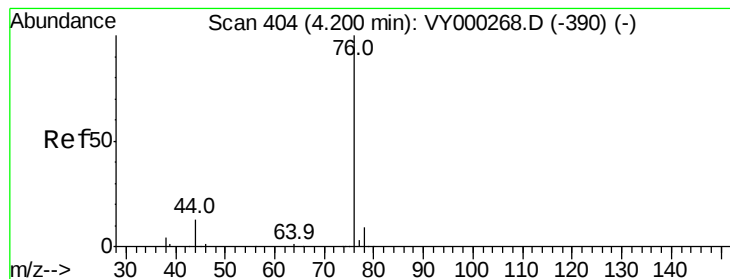
58 30.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 20.413 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

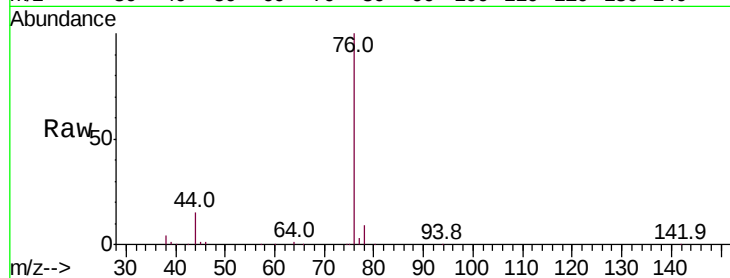
VY1015SBS01

Tot Ion: 76 Resp: 206090

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

80000

60000

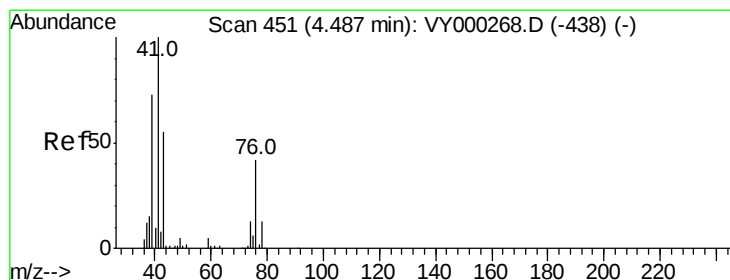
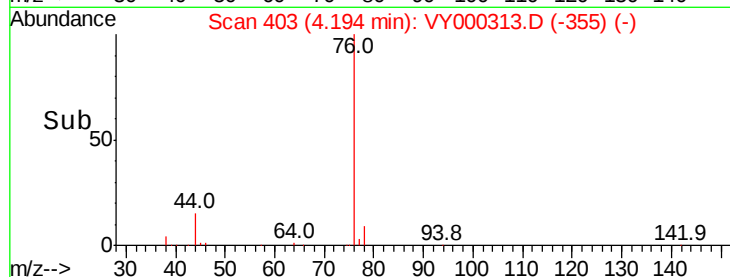
40000

20000

0

Time-->

4.10 4.20 4.30 4.40



#18

Methyl Acetate

Concen: 19.984 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000313.D

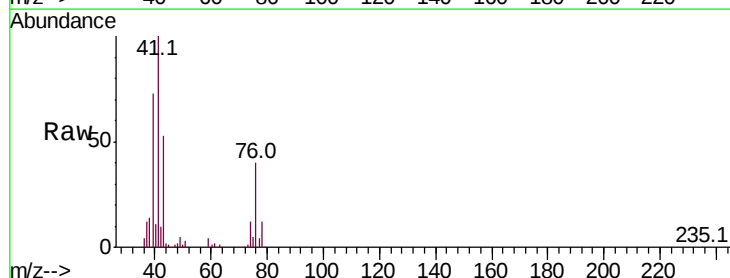
Acq: 15 Oct 2019 12:32

Tgt Ion: 43 Resp: 53852

Ion Ratio Lower Upper

43 100

74 23.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

20000

15000

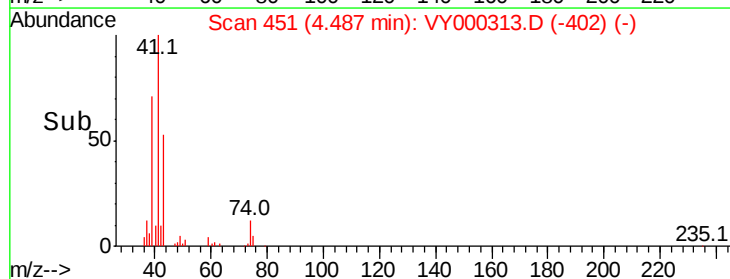
10000

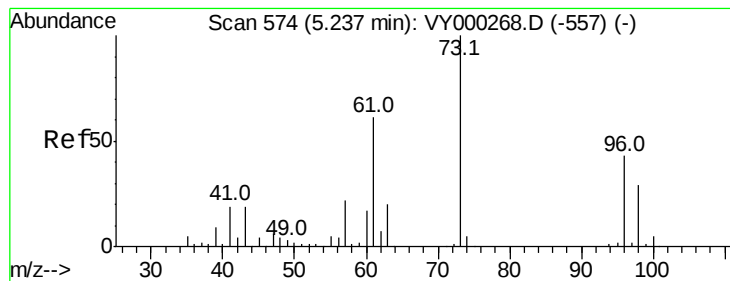
5000

0

Time-->

4.40 4.50 4.60



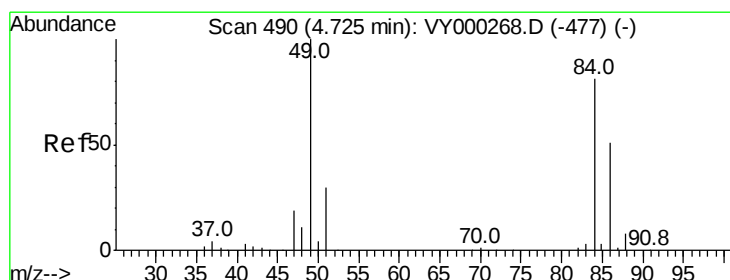
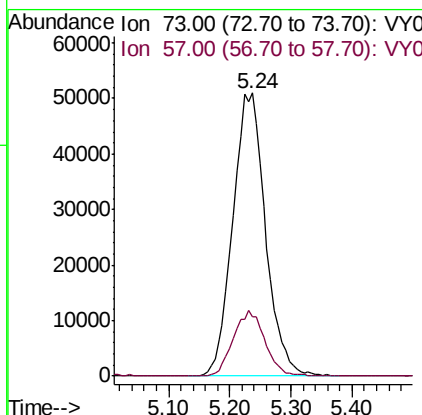
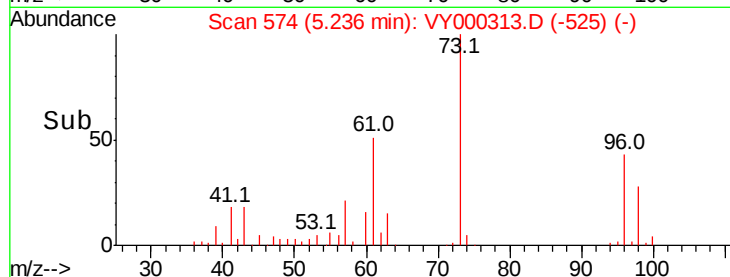
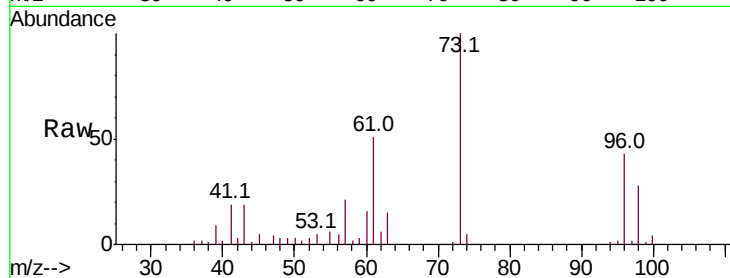


#19

Methyl tert-butyl Ether
 Concen: 21.135 ug/l
 RT: 5.24 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

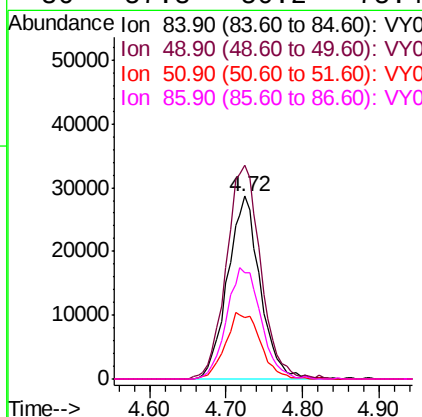
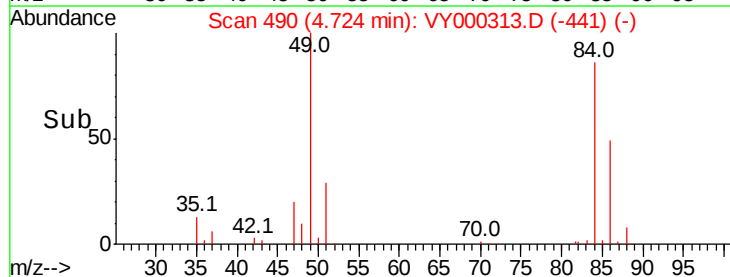
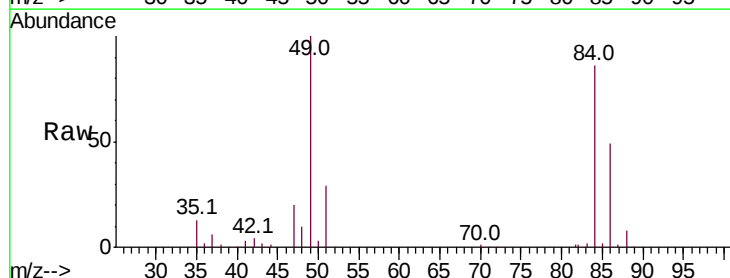
Tot Ion: 73 Resp: 188665
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.4 26.0

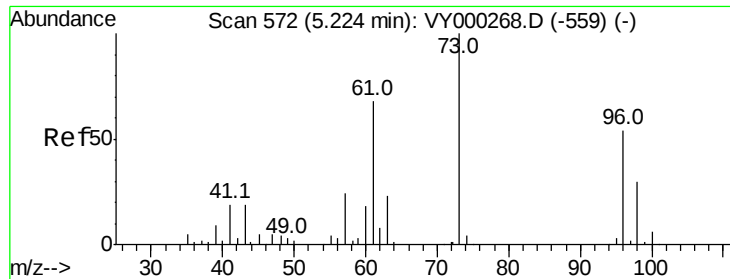


#20

Methylene Chloride
 Concen: 19.824 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion: 84 Resp: 84434
 Ion Ratio Lower Upper
 84 100
 49 116.7 99.0 148.4
 51 33.8 29.3 43.9
 86 57.8 50.2 75.4

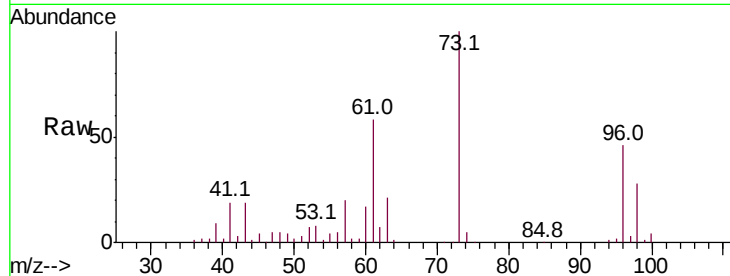




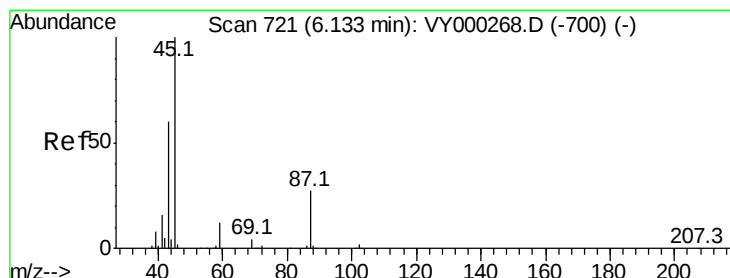
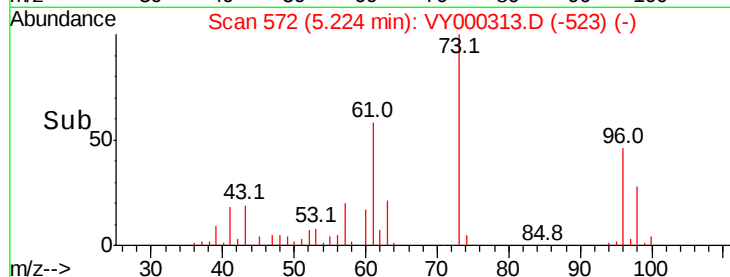
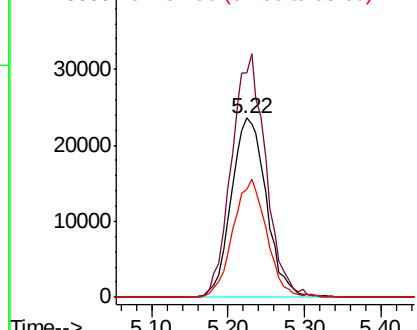
#21
trans-1,2-Dichloroethene
Concen: 20.364 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion: 96 Resp: 74918
Ion Ratio Lower Upper
96 100
61 125.3 100.4 150.6
98 60.4 44.6 66.8

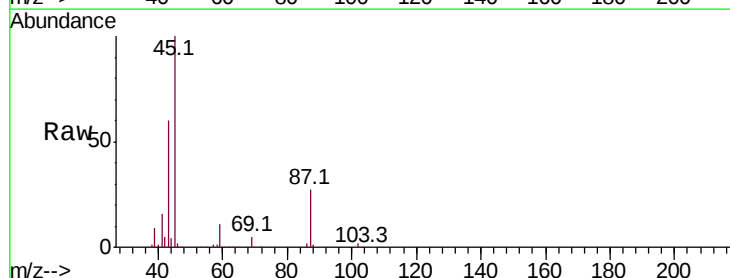


Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

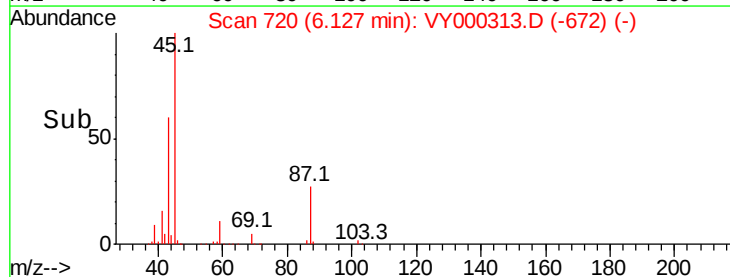
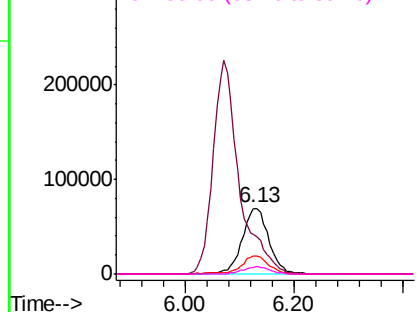


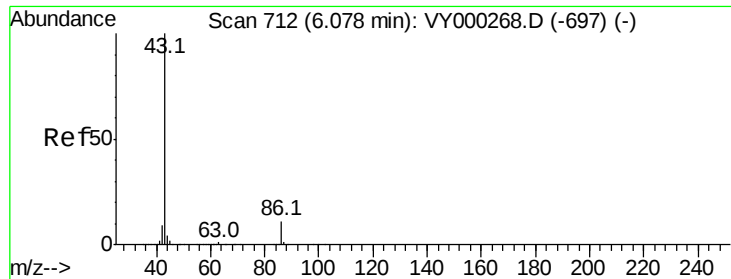
#22
Diisopropyl ether
Concen: 20.924 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 45 Resp: 235172
Ion Ratio Lower Upper
45 100
43 59.8 48.5 72.7
87 26.6 21.5 32.3
59 10.8 9.4 14.0



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

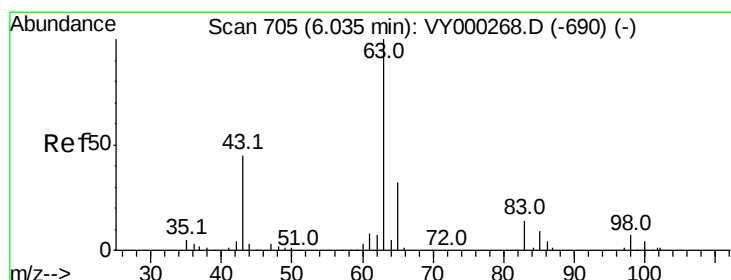
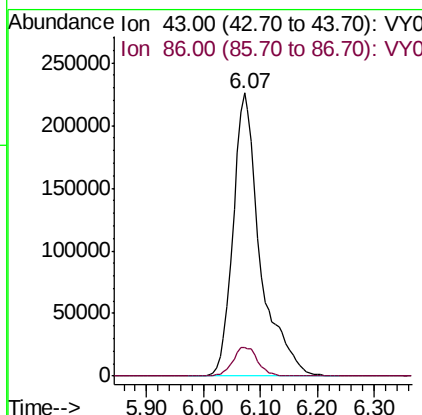
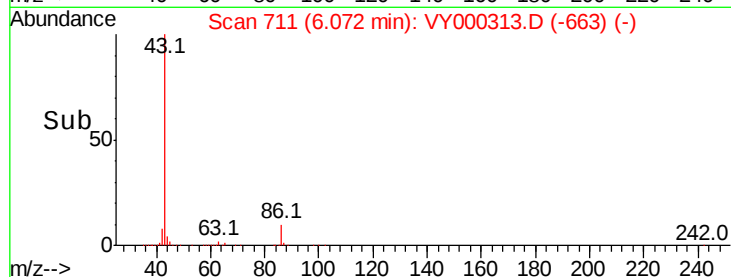
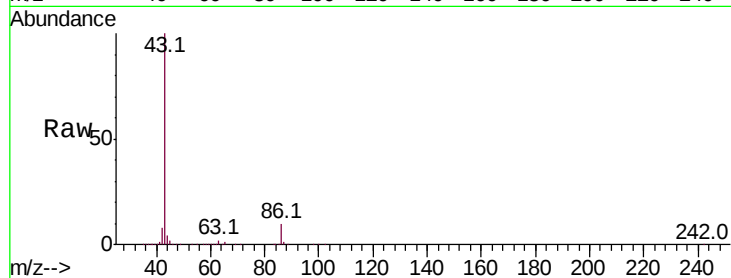




#23
 Vinyl Acetate
 Concen: 102.334 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

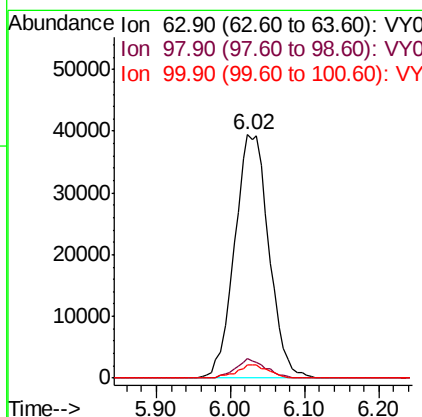
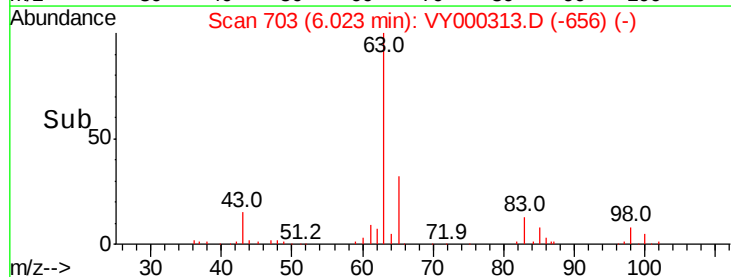
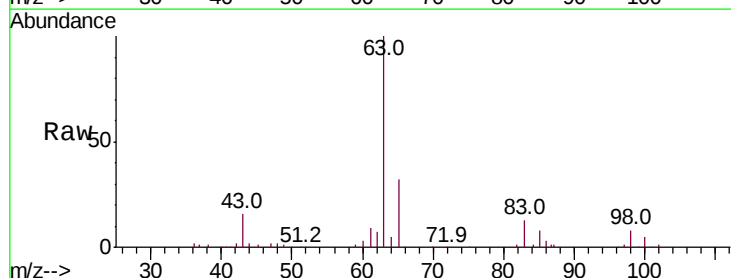
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

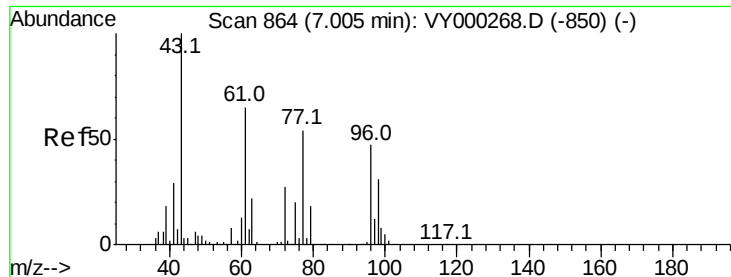
Tot Ion: 43 Resp: 750342
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.737 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion: 63 Resp: 127216
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.4
 100 5.2 2.1 6.2





#25

2-Butanone

Concen: 95.359 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

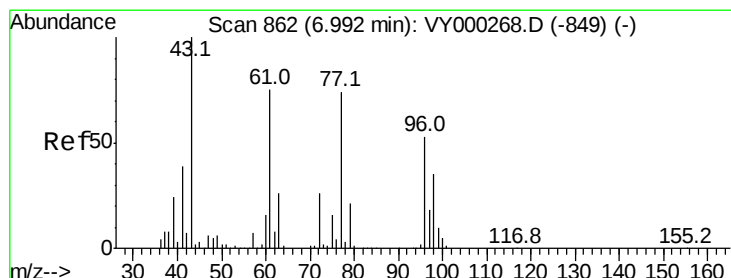
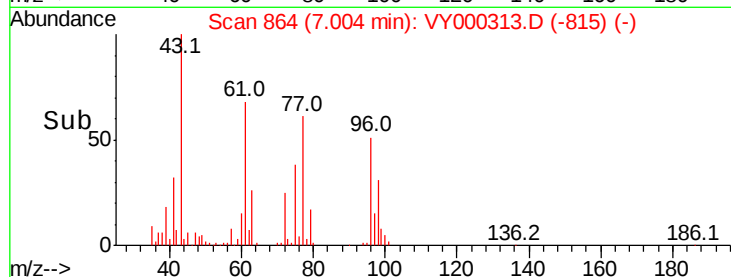
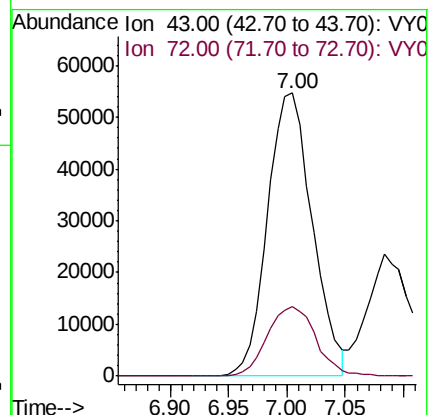
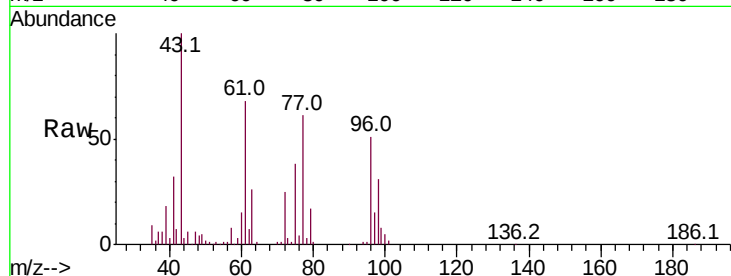
VY1015SBS01

Tot Ion: 43 Resp: 145692

Ion Ratio Lower Upper

43 100

72 24.6 21.4 32.2



#26

2,2-Dichloropropane

Concen: 20.787 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000313.D

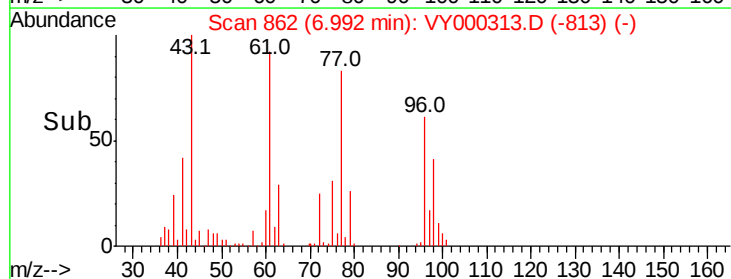
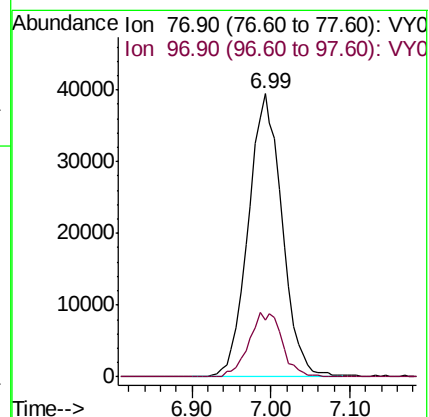
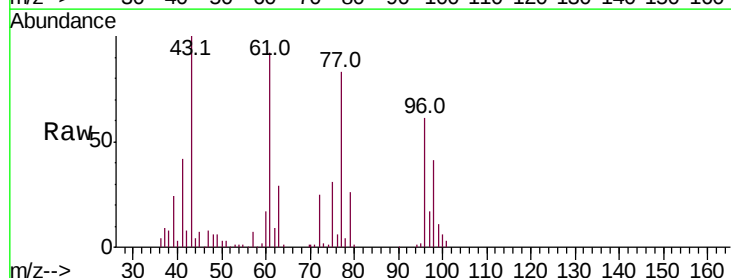
Acq: 15 Oct 2019 12:32

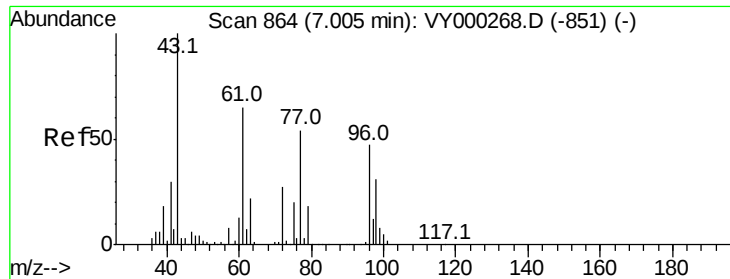
Tgt Ion: 77 Resp: 117509

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7

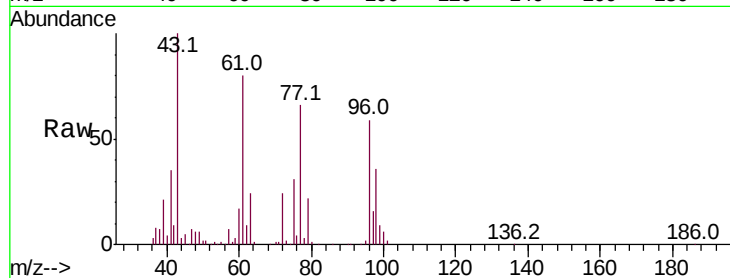




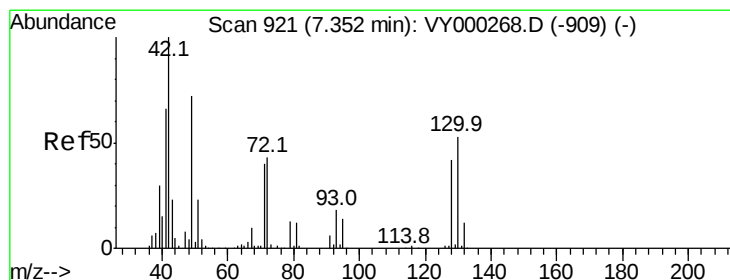
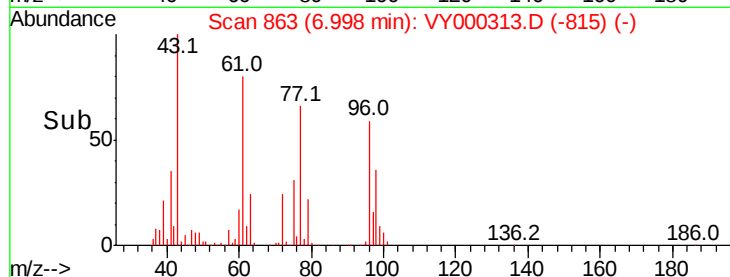
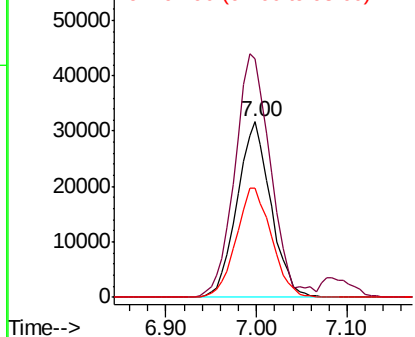
#27
 cis-1,2-Dichloroethene
 Concen: 20.549 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion: 96 Resp: 81803
 Ion Ratio Lower Upper
 96 100
 61 145.5 0.0 289.8
 98 65.2 0.0 131.8

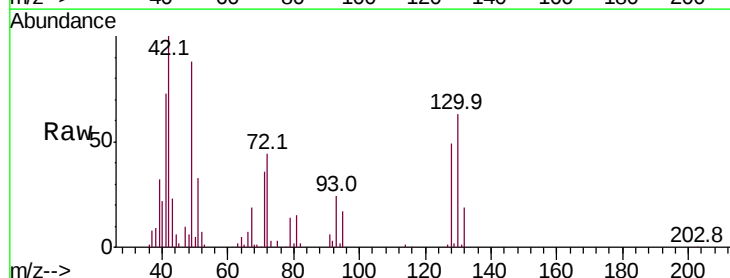


Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0

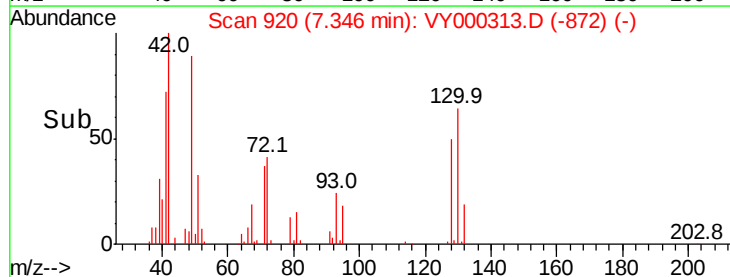
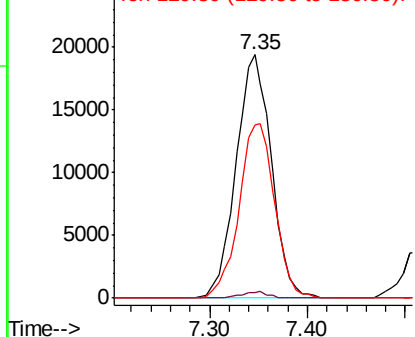


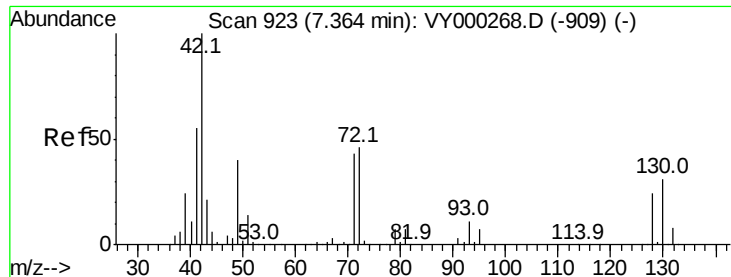
#28
 Bromochloromethane
 Concen: 18.420 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion: 49 Resp: 48510
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 72.4 58.2 87.2



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

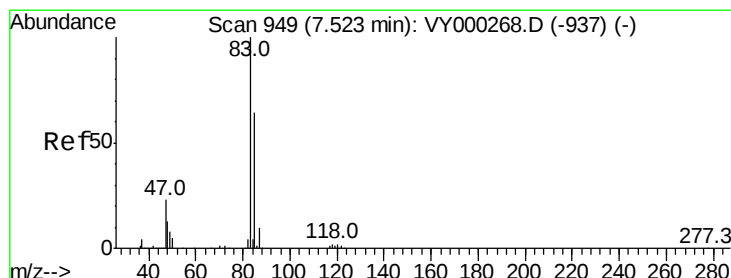
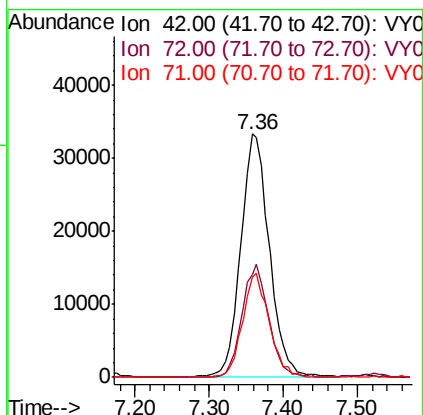
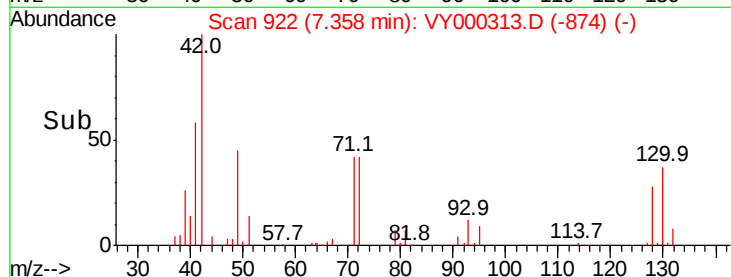
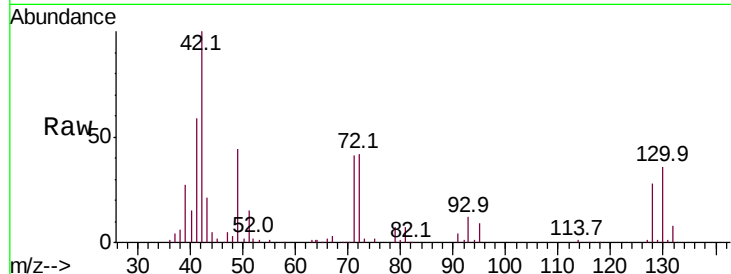




#29
Tetrahydrofuran
Concen: 97.133 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

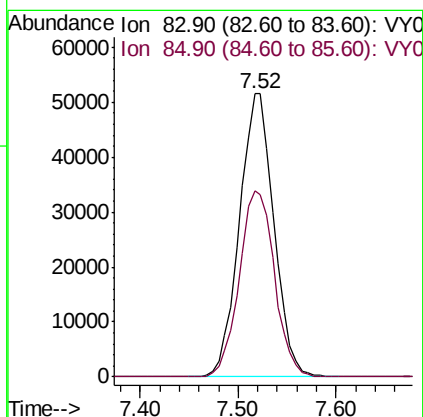
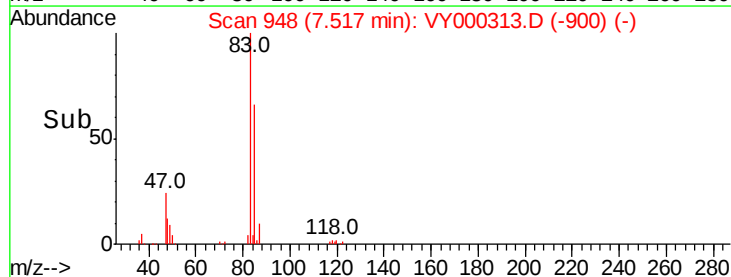
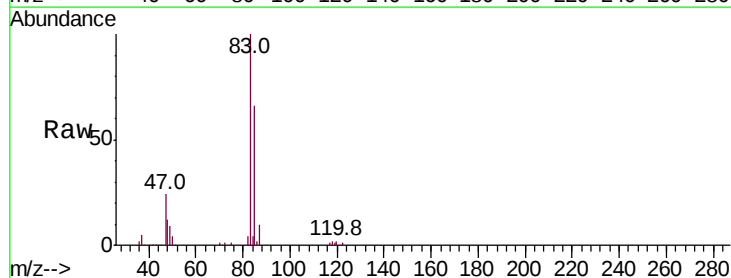
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

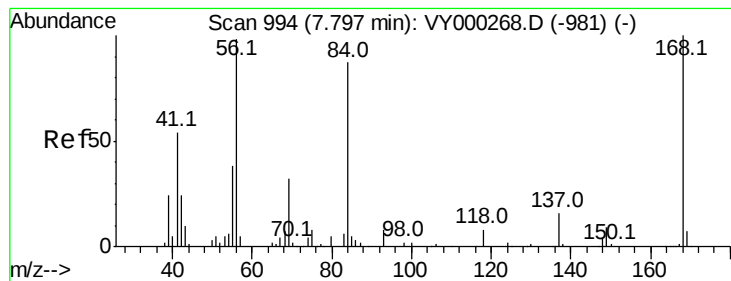
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.5	51.7
71	39.9	32.7	49.1



#30
Chloroform
Concen: 20.381 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





#31

Cyclohexane

Concen: 20.685 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

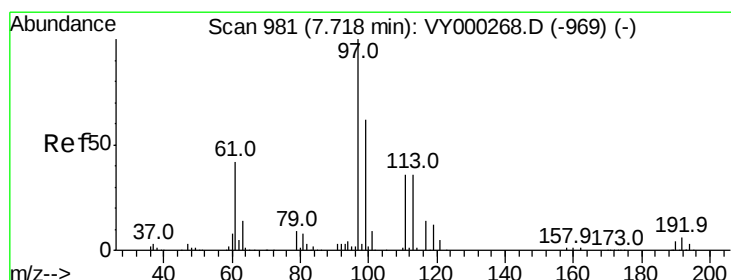
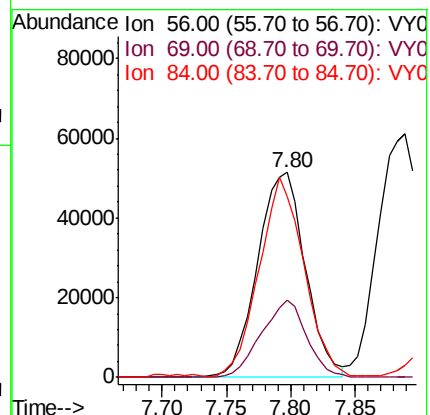
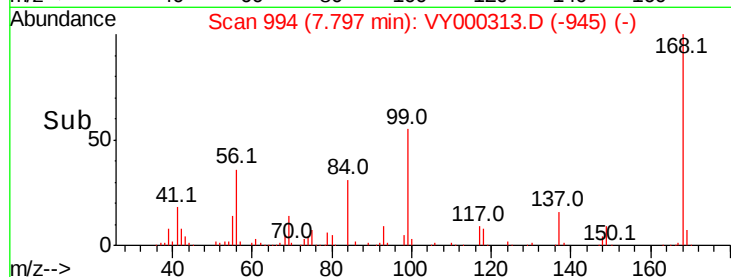
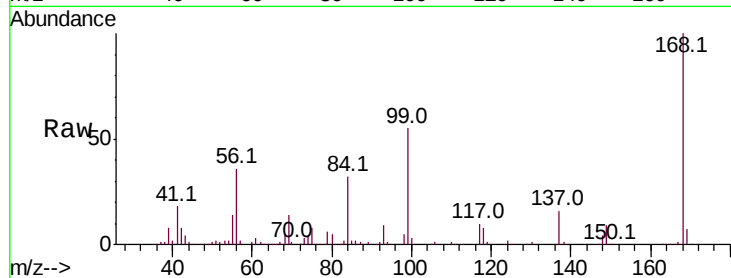
Tot Ion: 56 Resp: 132539

Ion Ratio Lower Upper

56 100

69 37.9 26.3 39.5

84 87.3 70.8 106.2



#32

1,1,1-Trichloroethane

Concen: 20.544 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

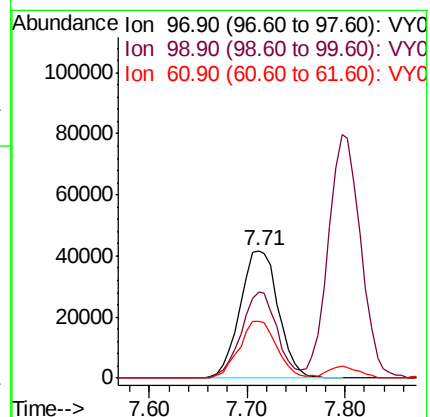
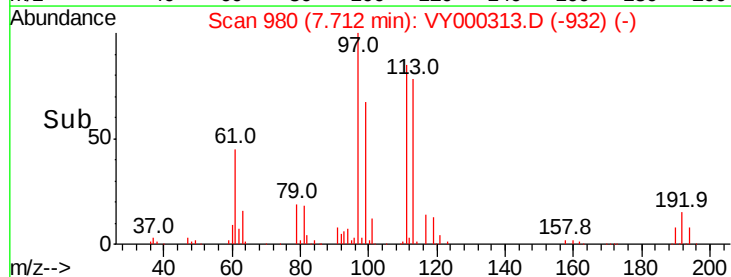
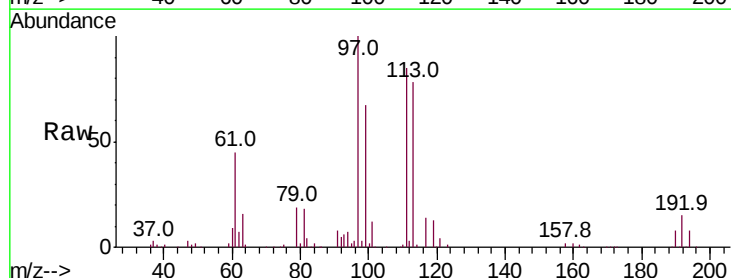
Tgt Ion: 97 Resp: 112842

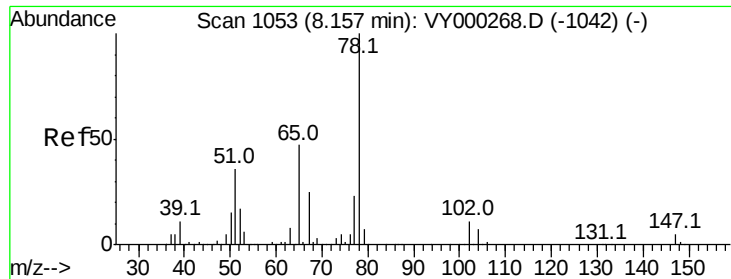
Ion Ratio Lower Upper

97 100

99 63.2 51.7 77.5

61 43.9 34.5 51.7

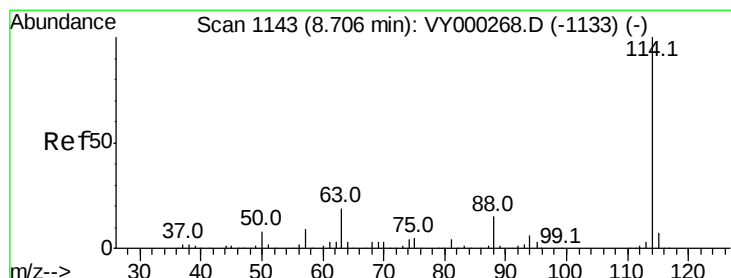
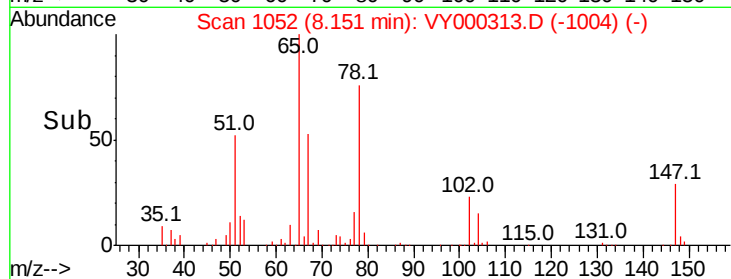
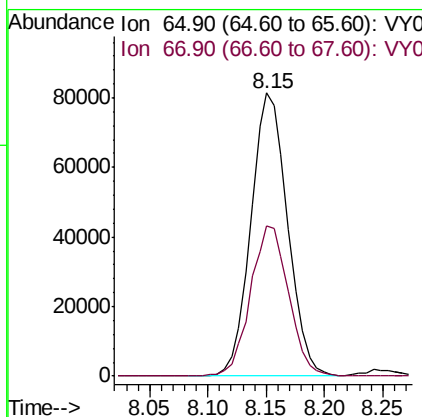
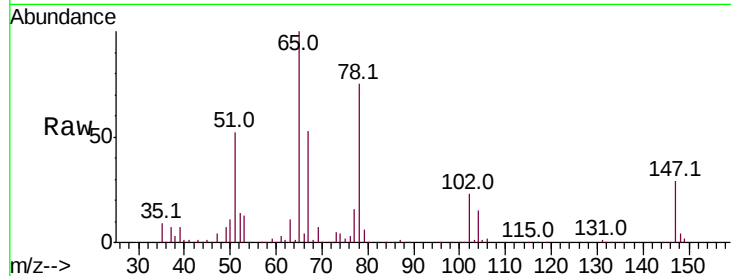




#33
 1,2-Dichloroethane-d4
 Concen: 53.096 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

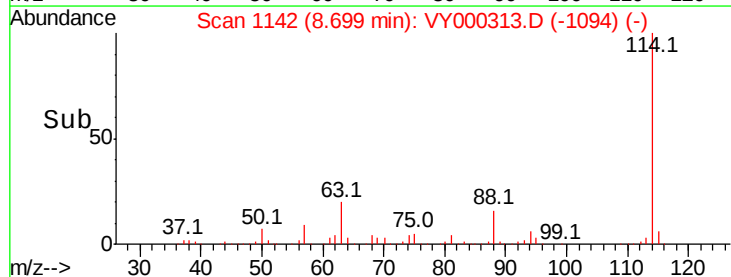
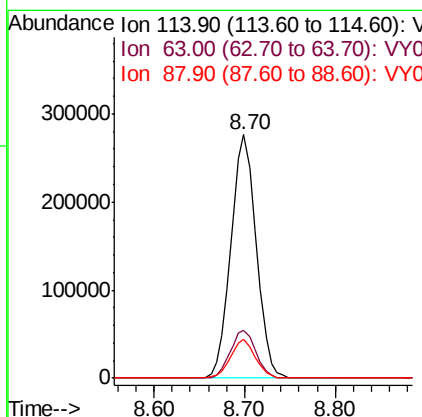
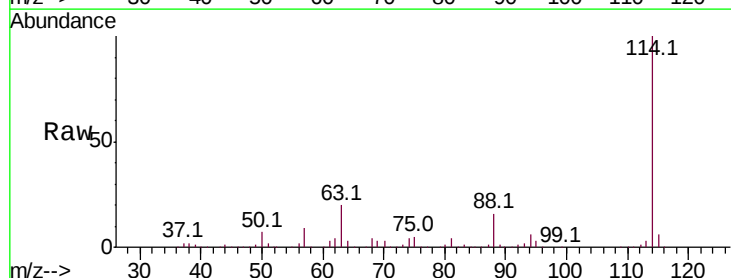
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

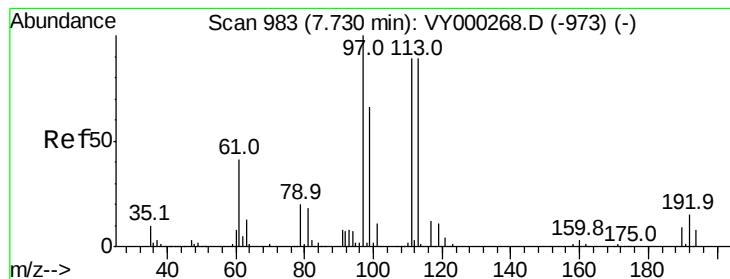
Tot Ion: 65 Resp: 177822
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion: 114 Resp: 535669
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.2
 88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.676 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

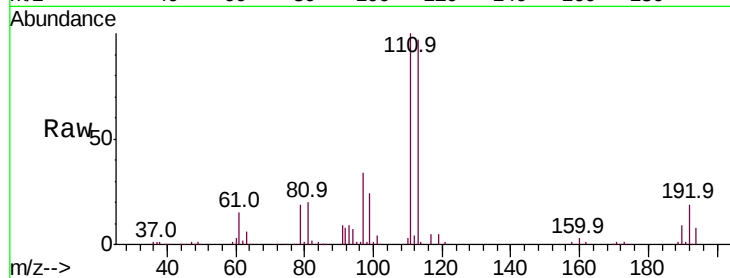
Tot Ion:113 Resp: 160514

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

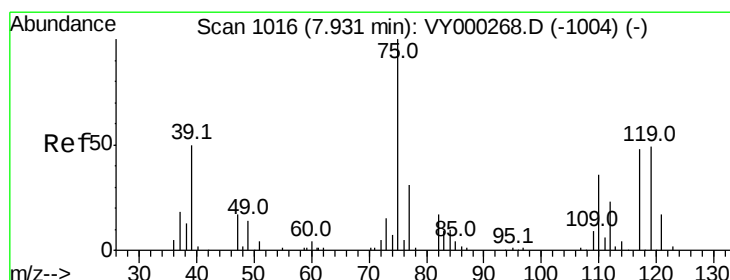
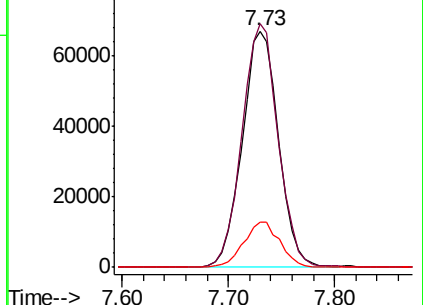
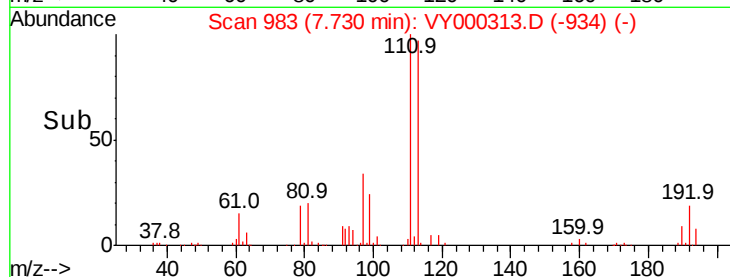
192 19.2 15.3 22.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.528 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

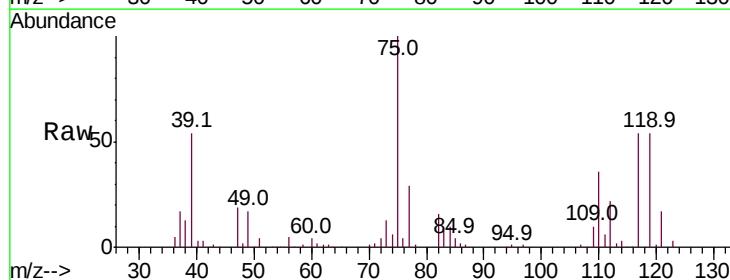
Tgt Ion: 75 Resp: 102418

Ion Ratio Lower Upper

75 100

110 35.5 18.4 55.4

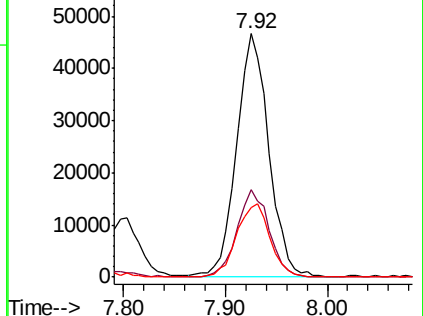
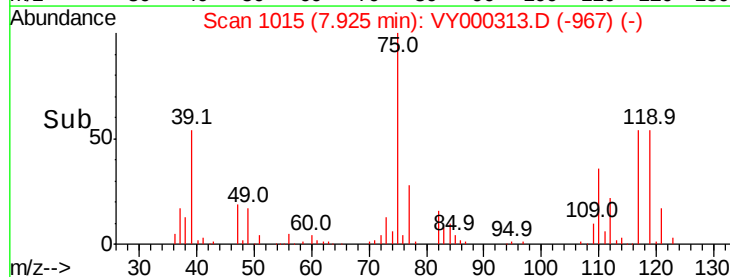
77 31.4 25.0 37.6

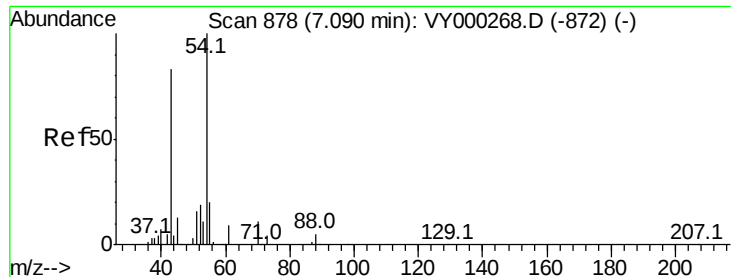


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

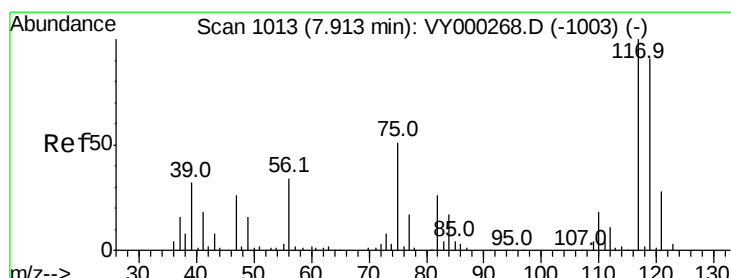
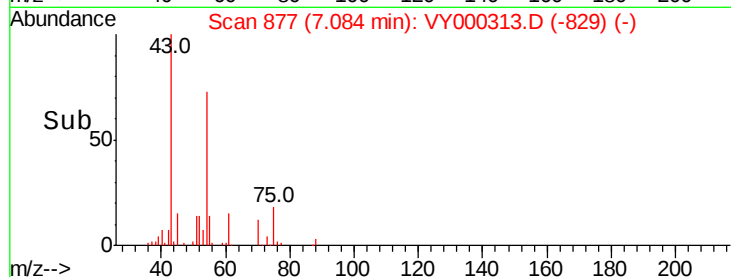
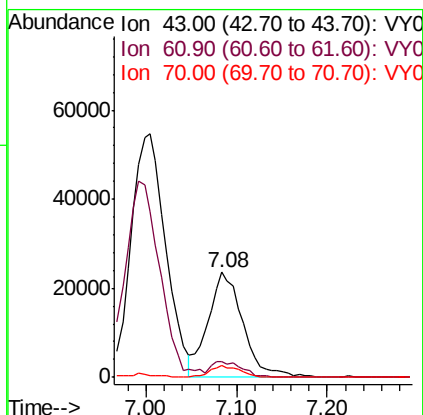
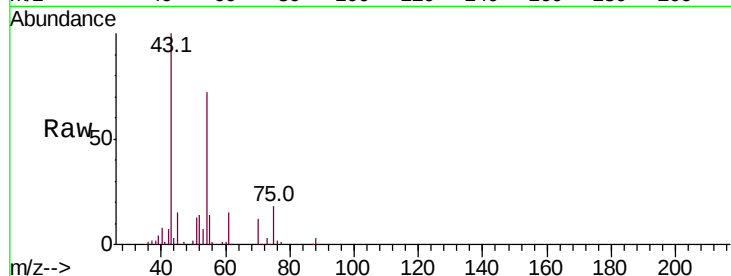




#37
Ethyl Acetate
Concen: 20.320 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

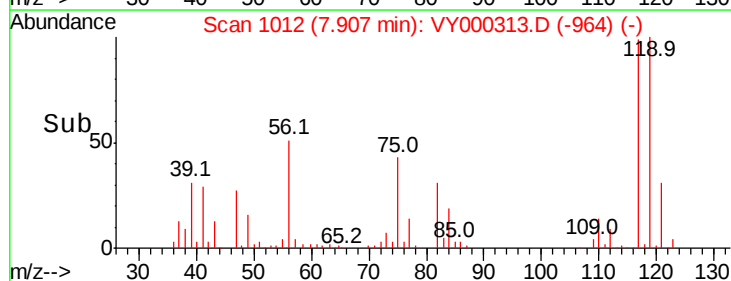
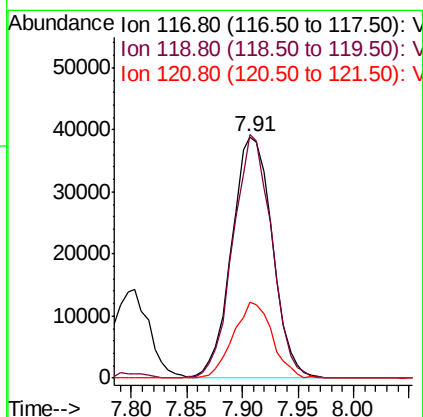
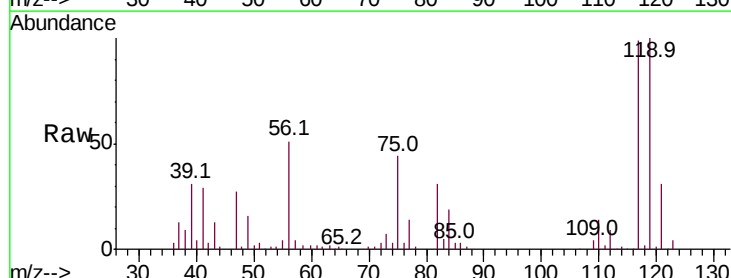
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

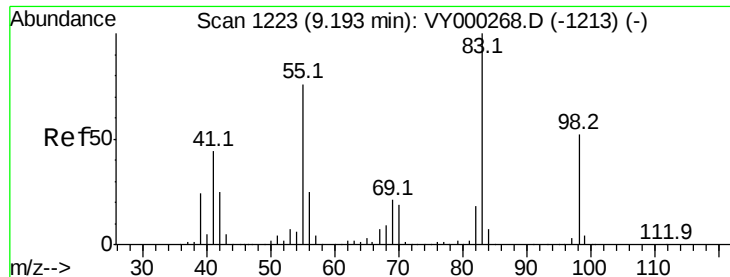
Tot Ion: 43 Resp: 63100
Ion Ratio Lower Upper
43 100
61 13.2 12.1 18.1
70 10.2 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.431 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 117 Resp: 98672
Ion Ratio Lower Upper
117 100
119 100.8 72.8 109.2
121 31.4 22.2 33.2

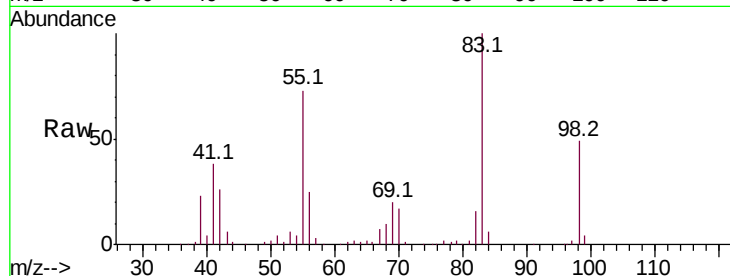




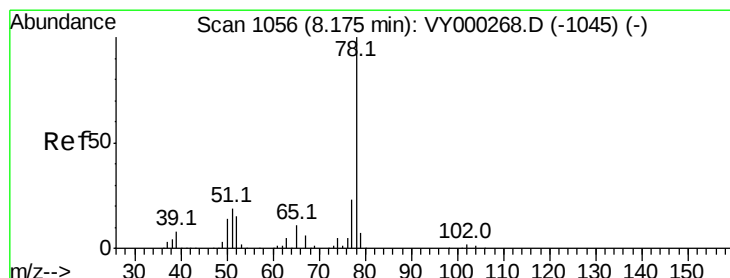
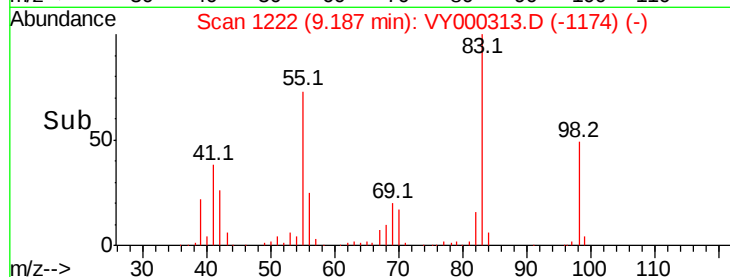
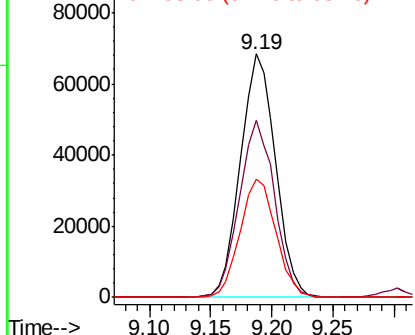
#39
Methvlcvclohexane
Concen: 19.881 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion: 83 Resp: 136462
Ion Ratio Lower Upper
83 100
55 72.9 60.9 91.3
98 48.7 41.8 62.6

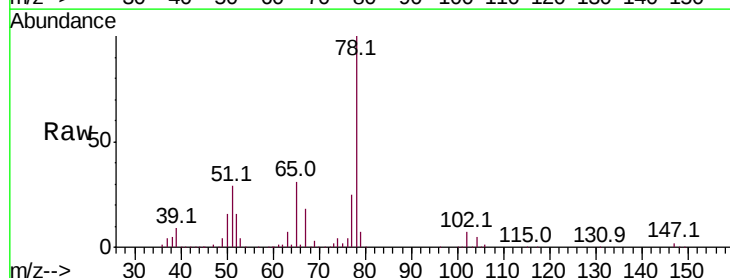


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

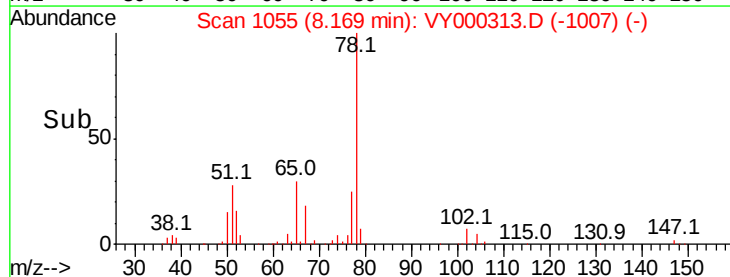
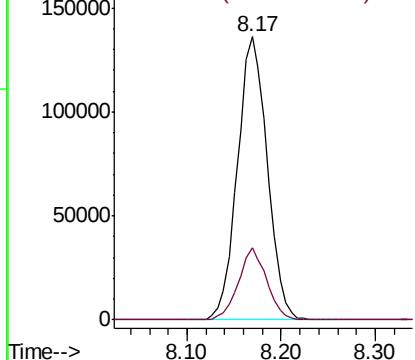


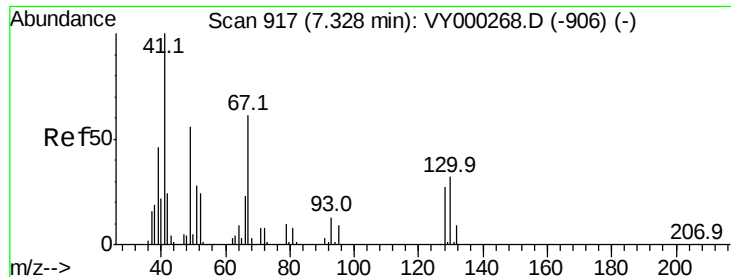
#40
Benzene
Concen: 19.864 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 78 Resp: 301061
Ion Ratio Lower Upper
78 100
77 25.3 18.8 28.2



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

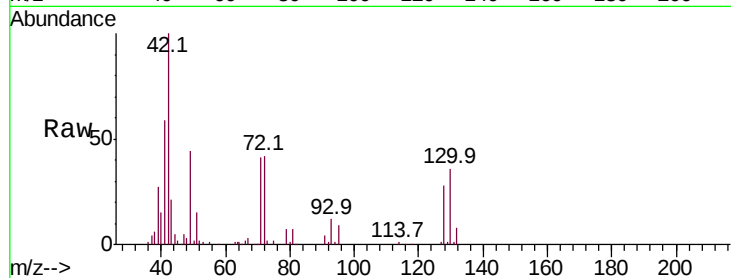




#41
Methacrylonitrile
Concen: 55.583 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

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



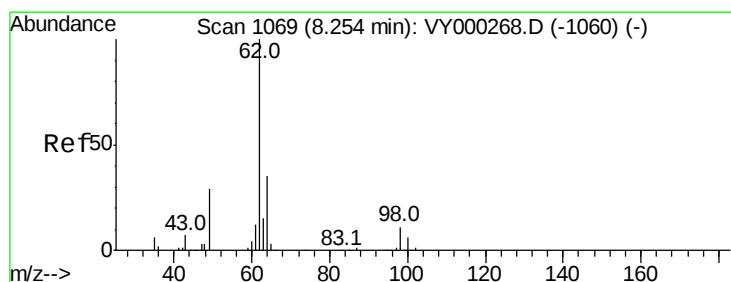
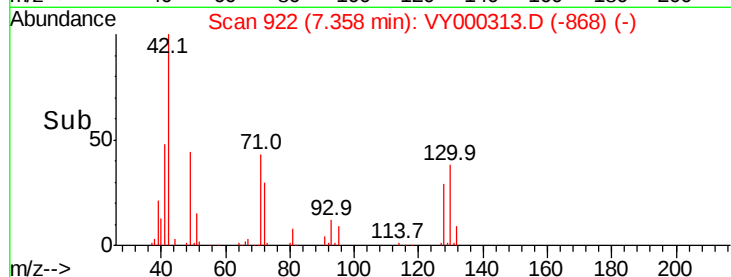
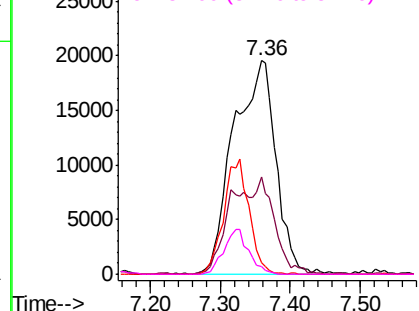
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

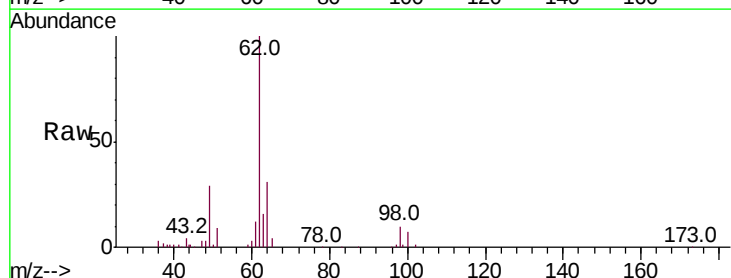
Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42
1,2-Dichloroethane
Concen: 19.685 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

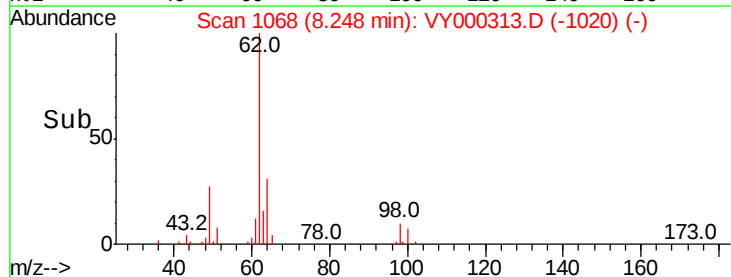
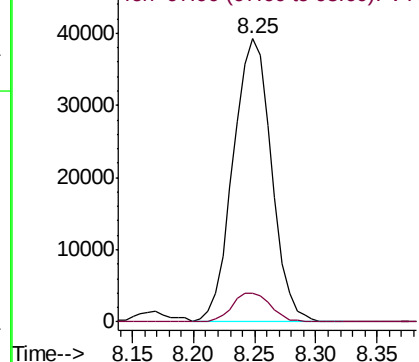
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6

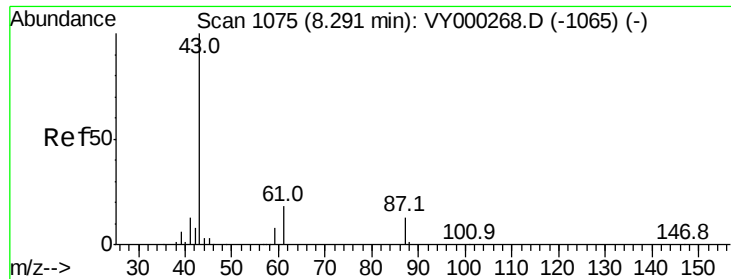


Abundance

Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 19.390 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

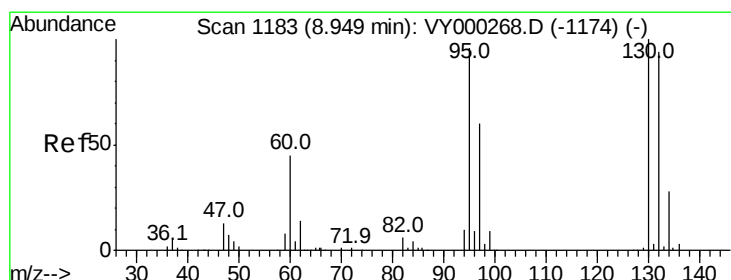
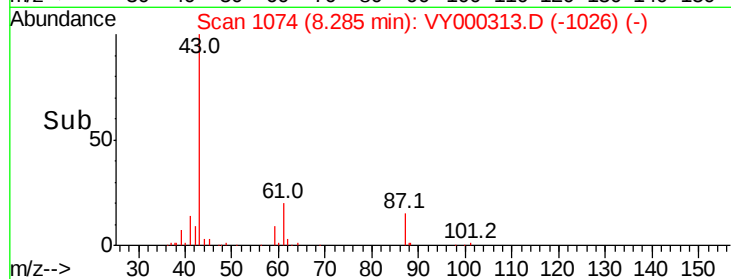
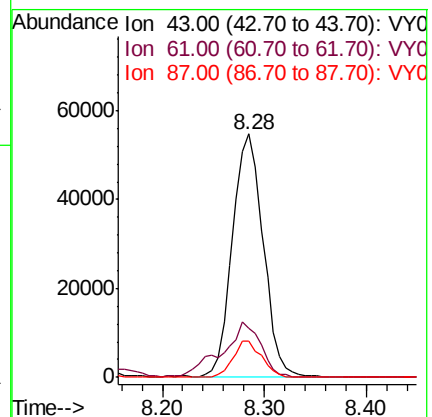
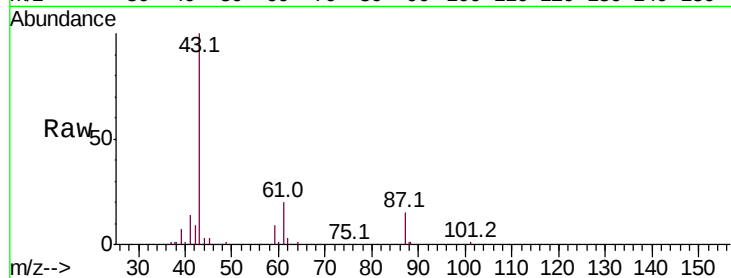
Tot Ion: 43 Resp: 114494

Ion Ratio Lower Upper

43 100

61 28.7 22.3 33.5

87 13.7 10.9 16.3



#44

Trichloroethene

Concen: 19.748 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY000313.D

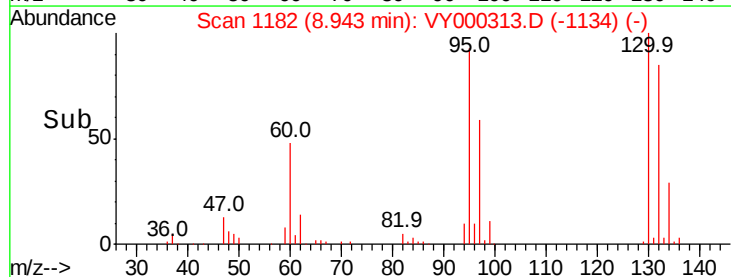
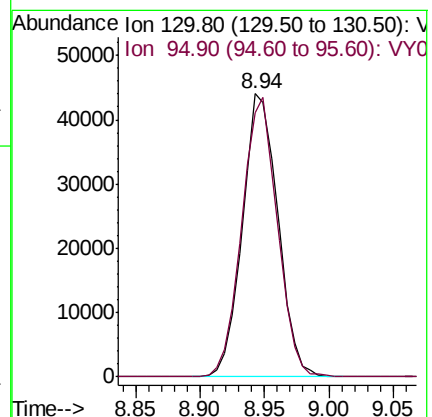
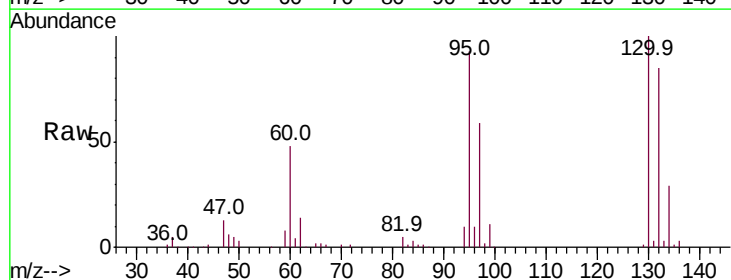
Acq: 15 Oct 2019 12:32

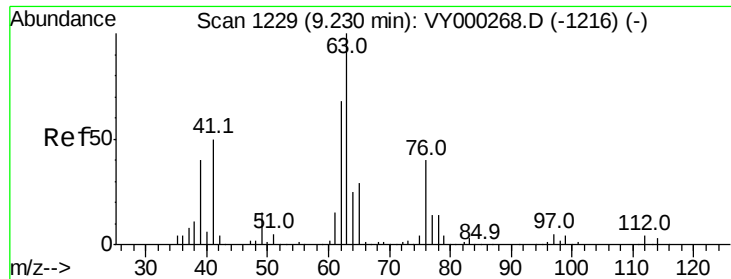
Tgt Ion:130 Resp: 83979

Ion Ratio Lower Upper

130 100

95 93.5 0.0 191.4





#45

1,2-Dichloropropane

Concen: 20.258 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

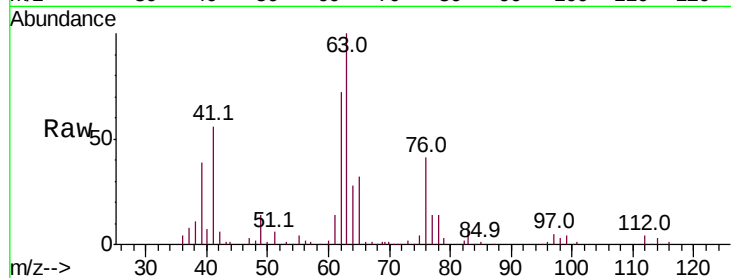
VY1015SBS01

Tot Ion: 63 Resp: 75348

Ion Ratio Lower Upper

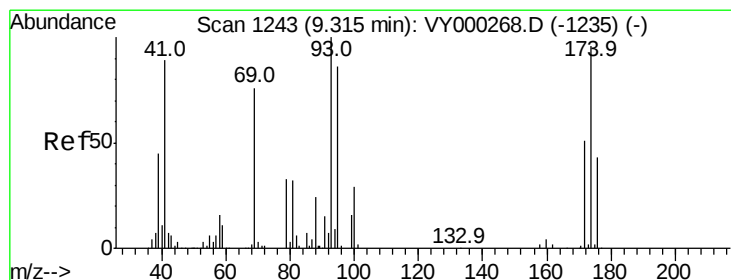
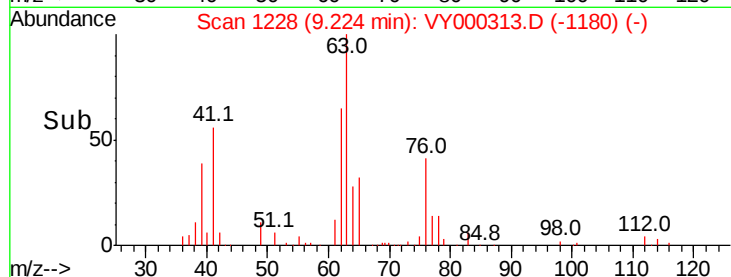
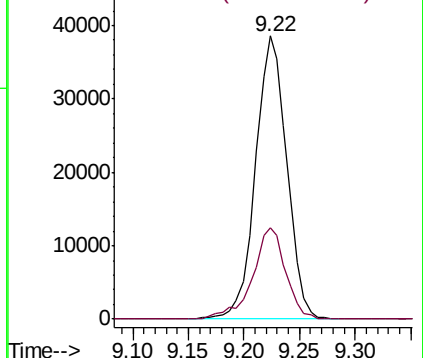
63 100

65 32.1 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 19.483 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

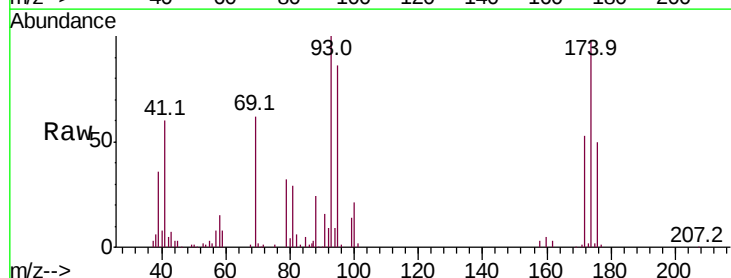
Tgt Ion: 93 Resp: 40508

Ion Ratio Lower Upper

93 100

95 83.7 68.2 102.2

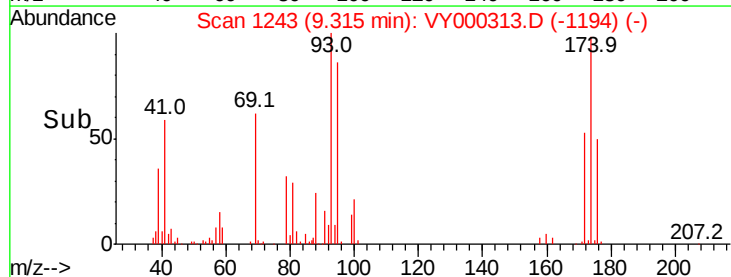
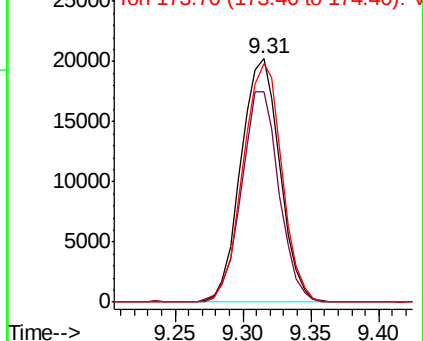
174 98.1 79.8 119.6

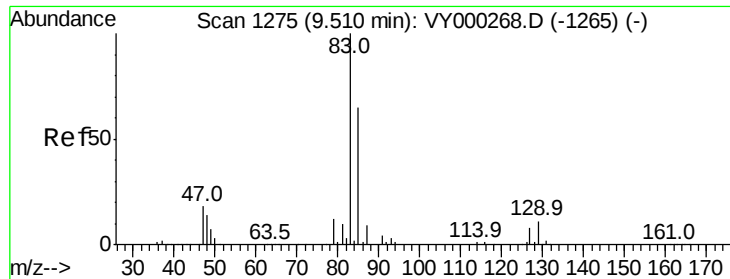


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.217 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

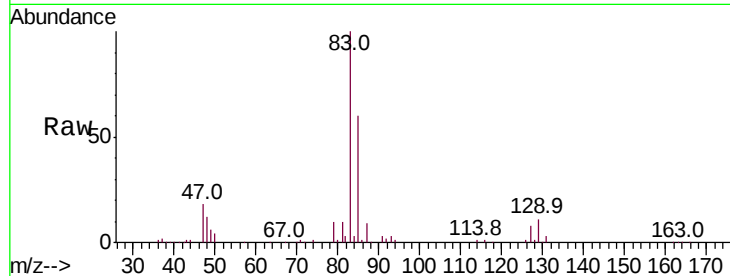
Tot Ion: 83 Resp: 99062

Ion Ratio Lower Upper

83 100

85 60.5 52.2 78.2

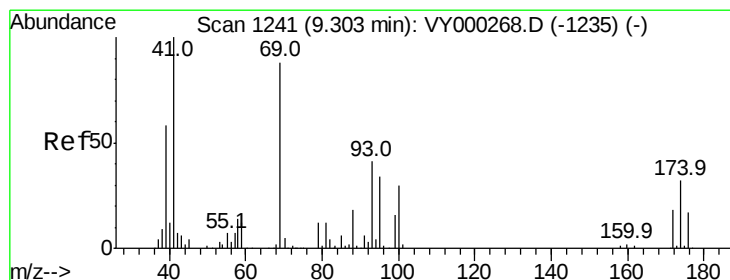
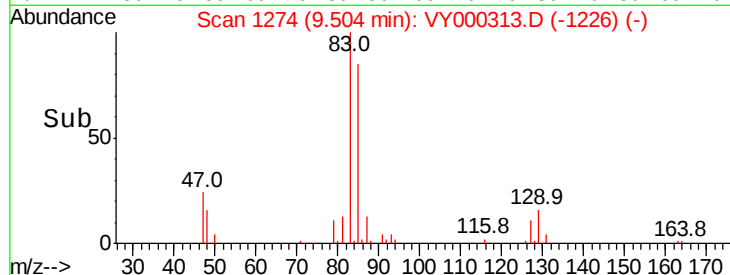
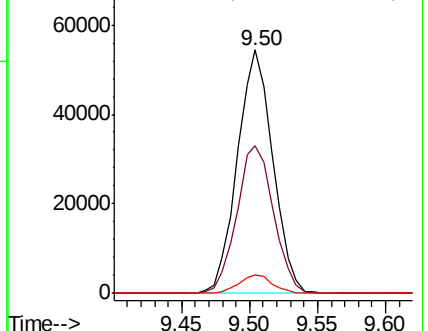
127 7.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 19.259 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

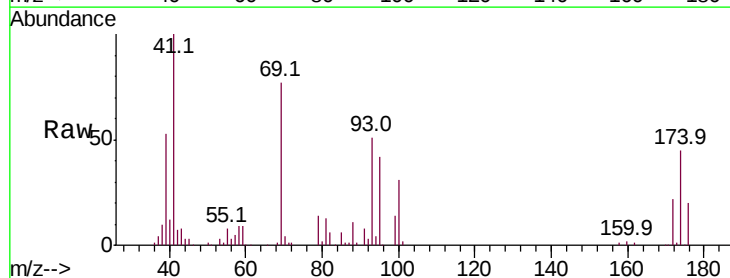
Tgt Ion: 41 Resp: 49837

Ion Ratio Lower Upper

41 100

69 90.8 70.0 105.0

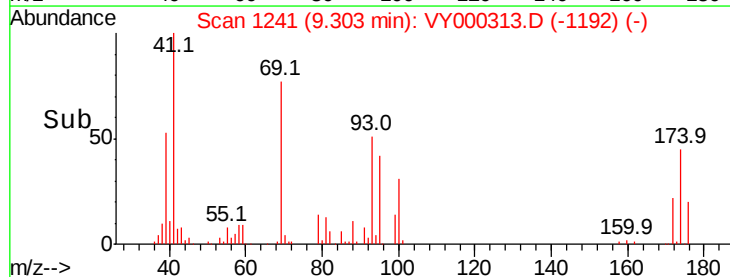
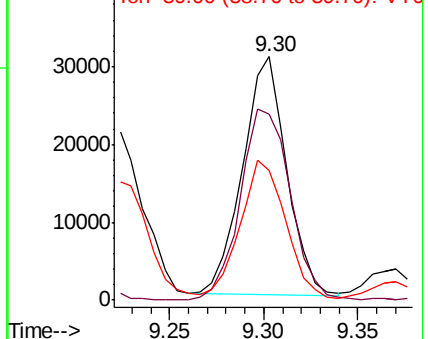
39 61.0 47.7 71.5

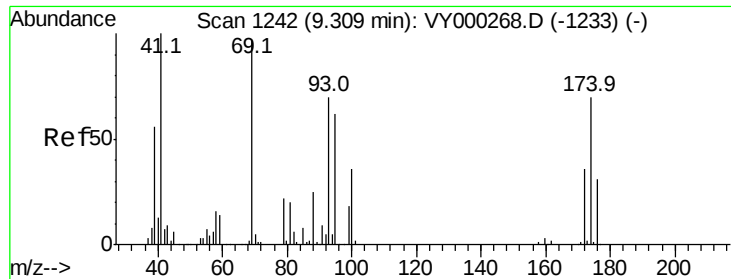


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 349.928 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

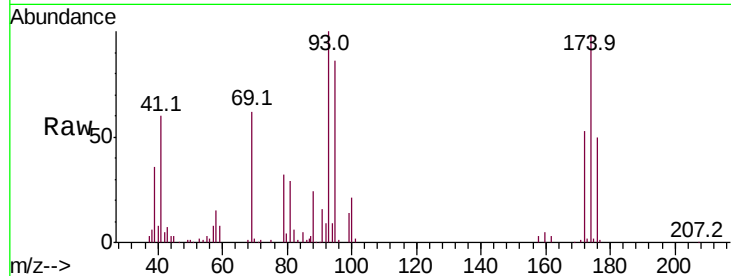
Tot Ion: 88 Resp: 10909

Ion Ratio Lower Upper

88 100

43 32.8 25.6 38.4

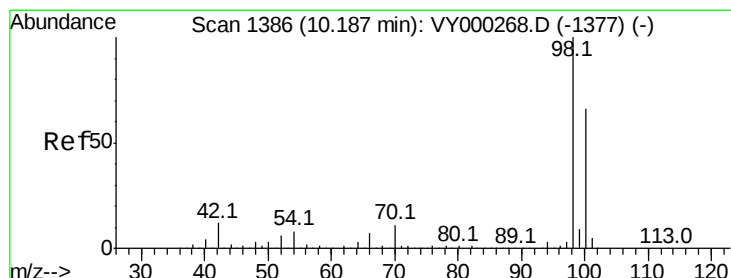
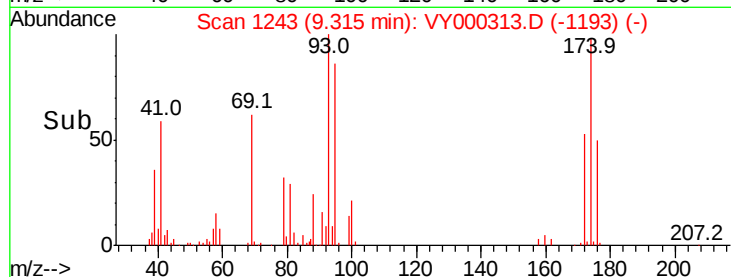
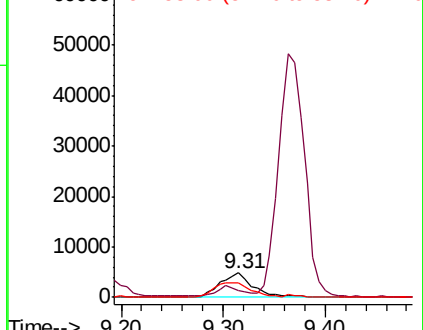
58 69.9 54.6 81.8



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 52.711 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000313.D

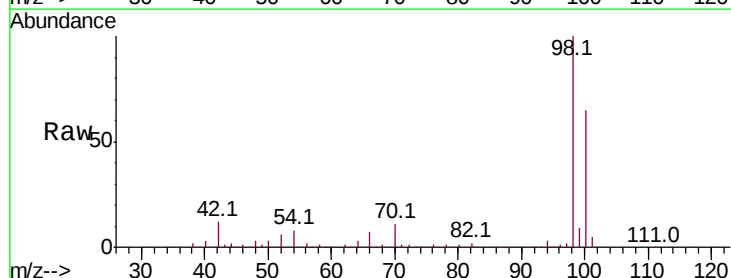
Acq: 15 Oct 2019 12:32

Tgt Ion: 98 Resp: 655177

Ion Ratio Lower Upper

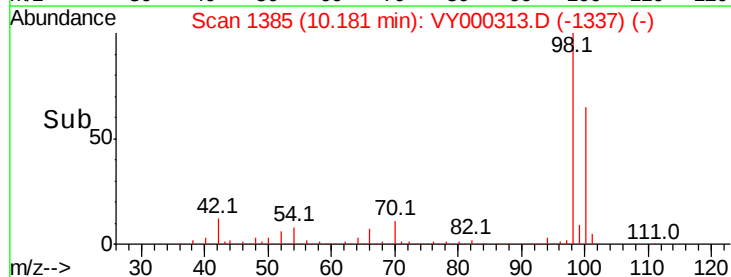
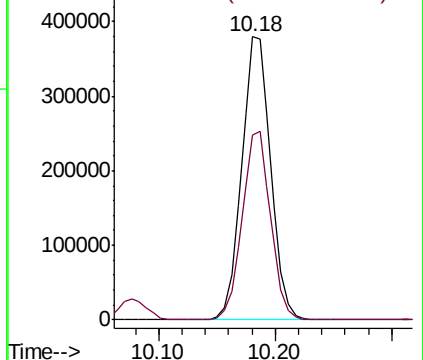
98 100

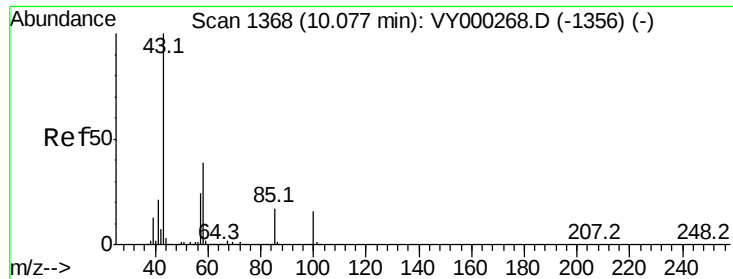
100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

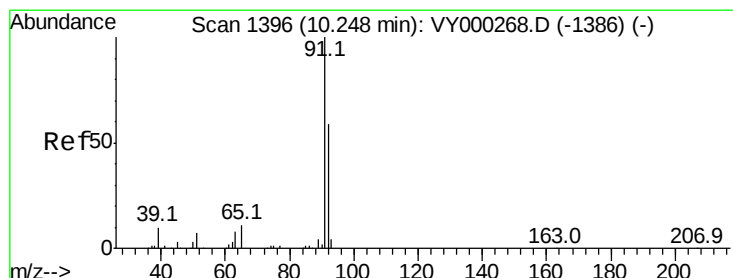
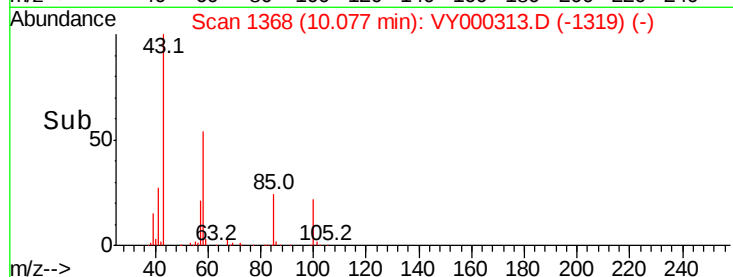
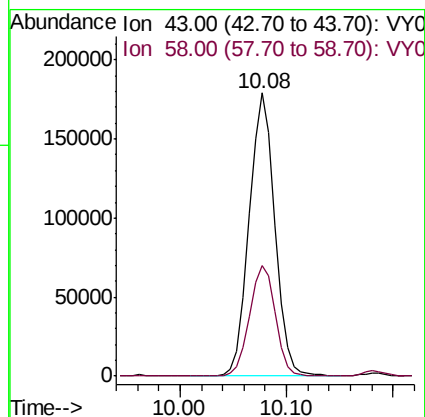
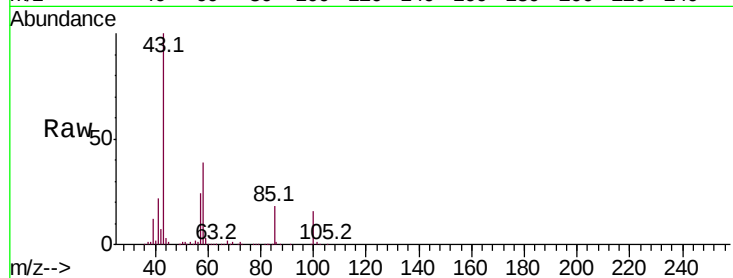




#51
4-Methyl-2-Pentanone
Concen: 99.751 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

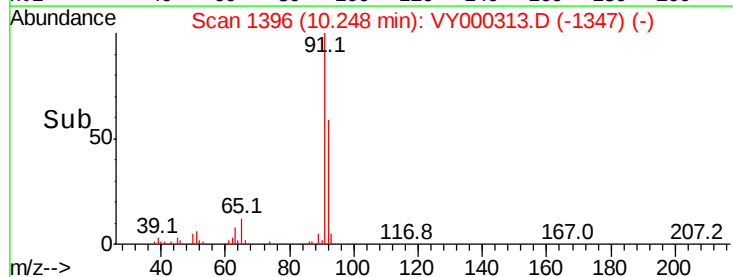
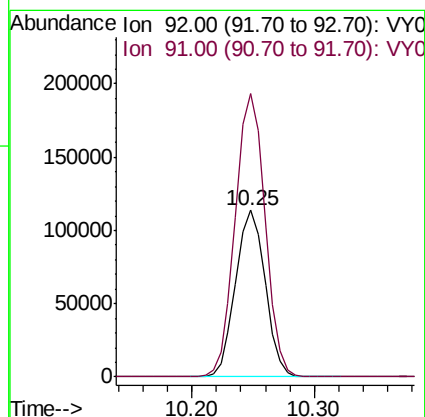
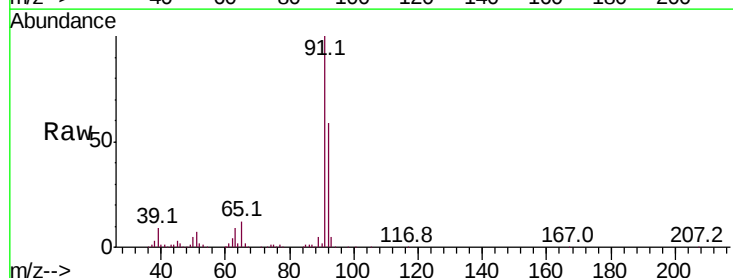
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

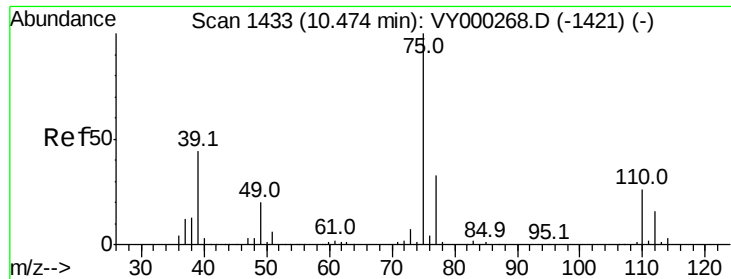
Tot Ion: 43 Resp: 303788
Ion Ratio Lower Upper
43 100
58 39.4 31.0 46.6



#52
Toluene
Concen: 19.926 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 92 Resp: 191741
Ion Ratio Lower Upper
92 100
91 170.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.990 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

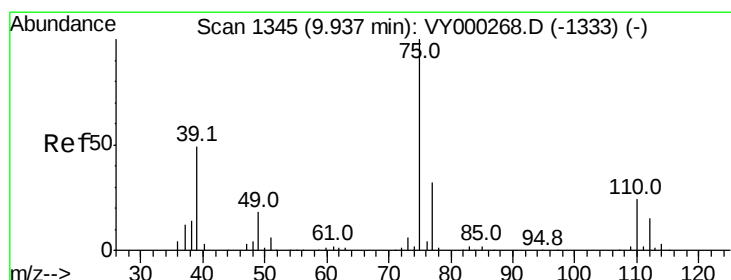
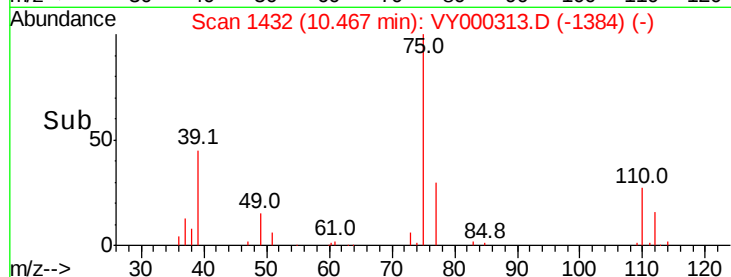
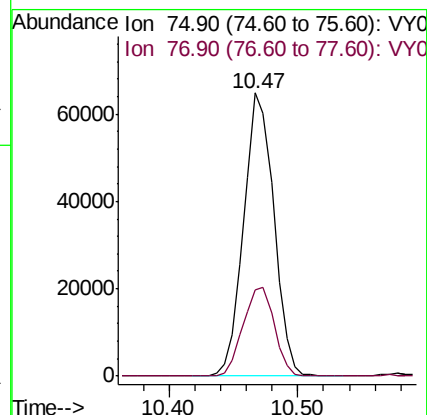
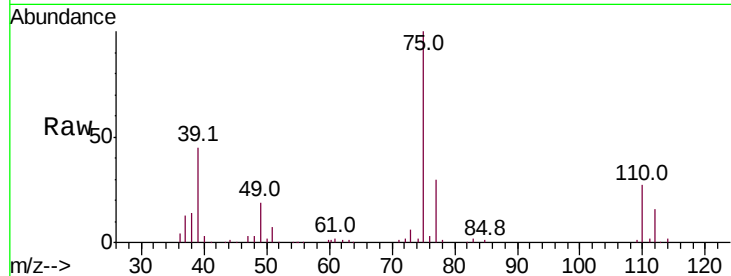
VY1015SBS01

Tot Ion: 75 Resp: 104977

Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 20.155 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

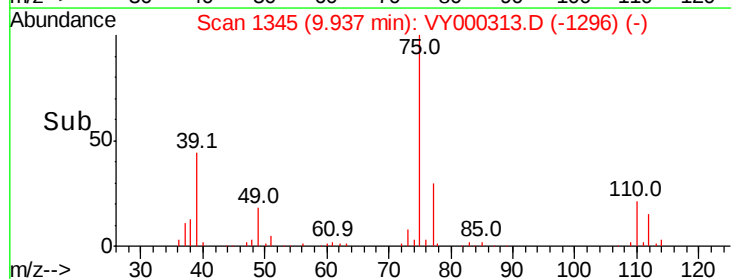
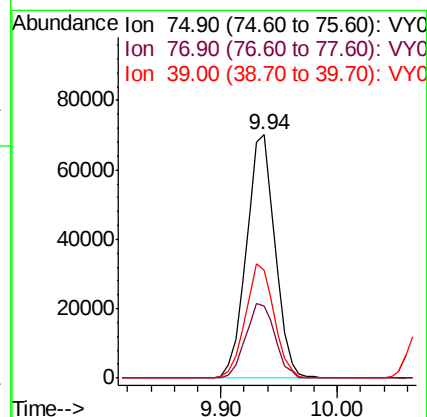
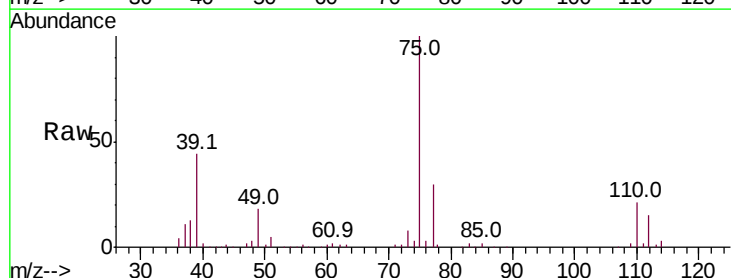
Tgt Ion: 75 Resp: 120198

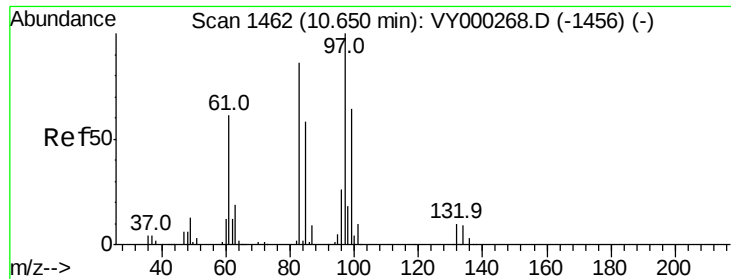
Ion Ratio Lower Upper

75 100

77 29.7 26.0 39.0

39 44.4 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 19.671 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion: 97 Resp: 59468

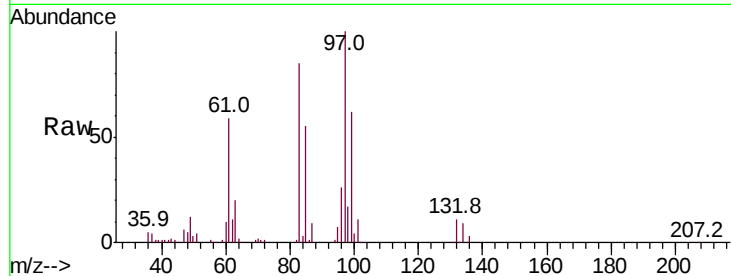
Ion Ratio Lower Upper

97 100

83 84.9 69.0 103.6

85 55.3 46.2 69.4

99 62.1 51.1 76.7

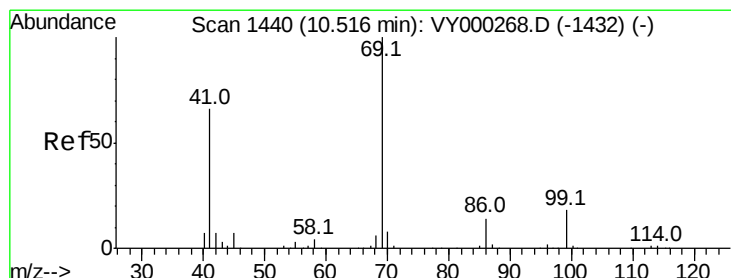
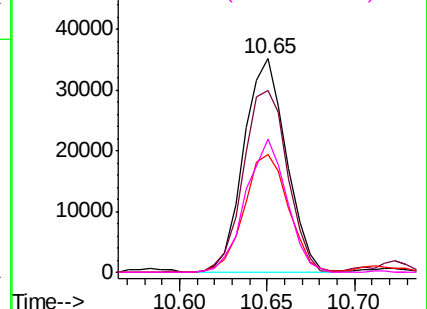
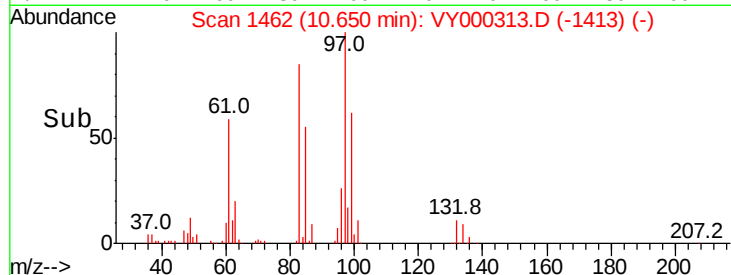


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 19.683 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

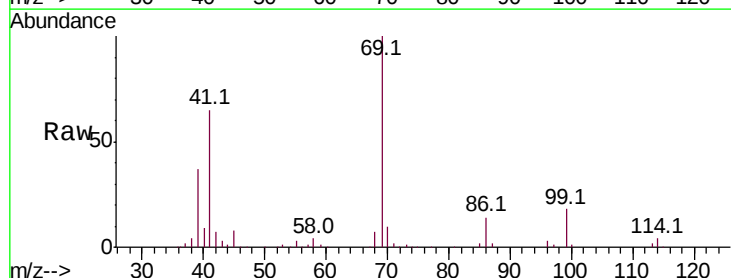
Tgt Ion: 69 Resp: 84815

Ion Ratio Lower Upper

69 100

41 68.6 52.5 78.7

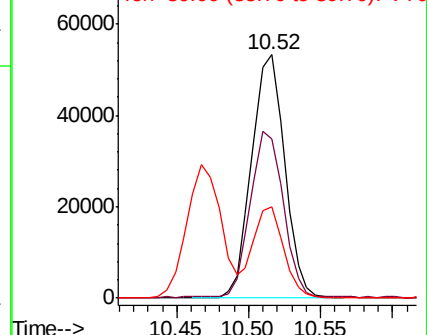
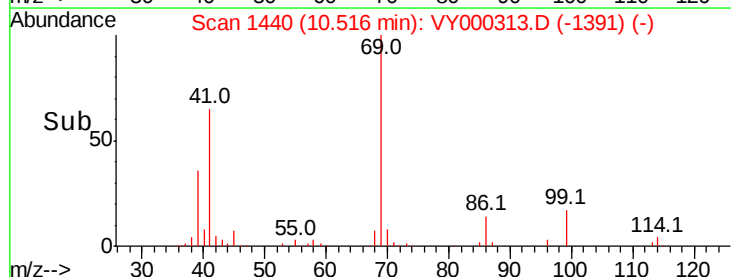
39 35.4 26.7 40.1

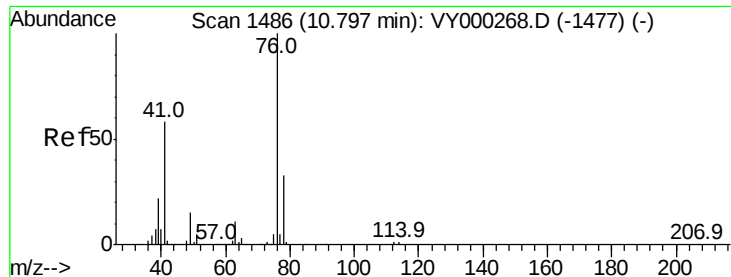


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 20.206 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

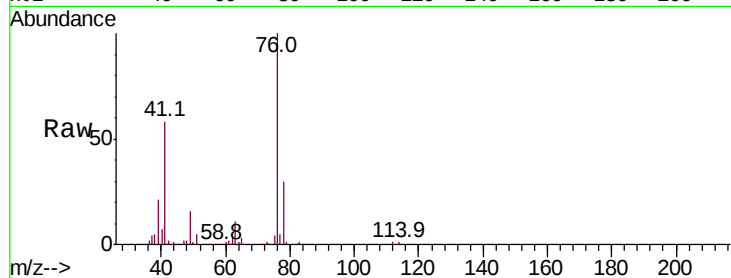
VY1015SBS01

Tot Ion: 76 Resp: 104907

Ion Ratio Lower Upper

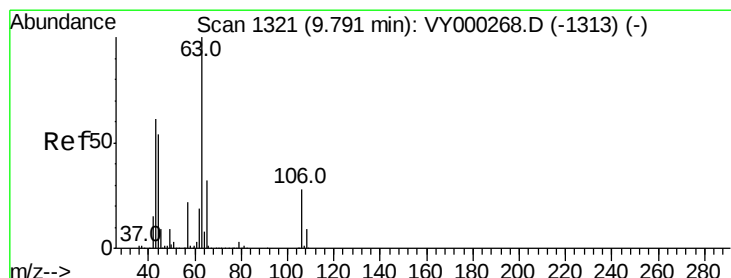
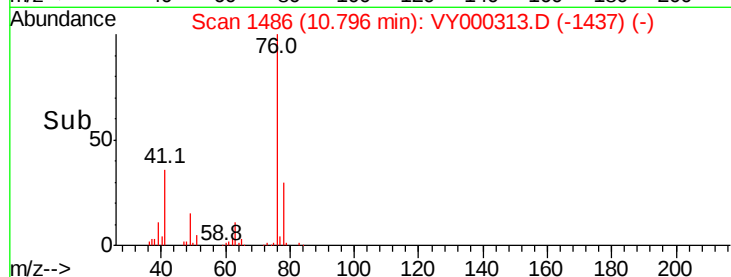
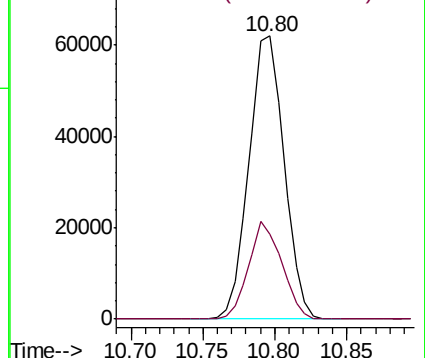
76 100

78 32.4 26.2 39.2



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: 115.919 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000313.D

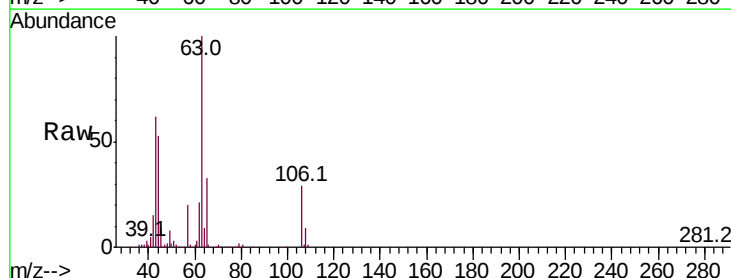
Acq: 15 Oct 2019 12:32

Tgt Ion: 63 Resp: 199232

Ion Ratio Lower Upper

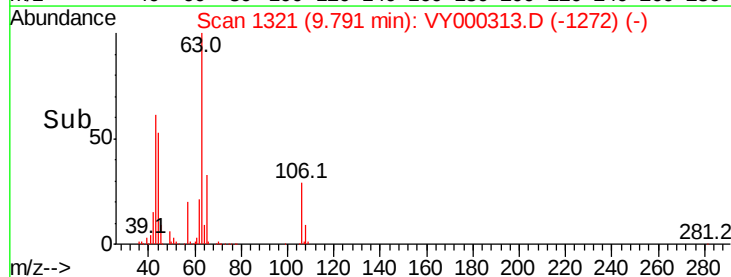
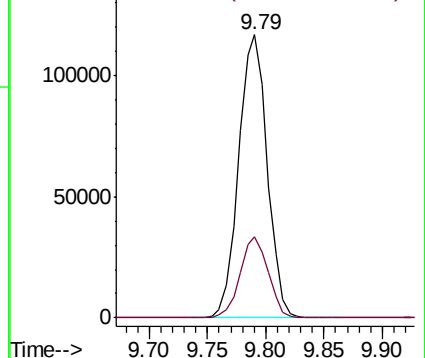
63 100

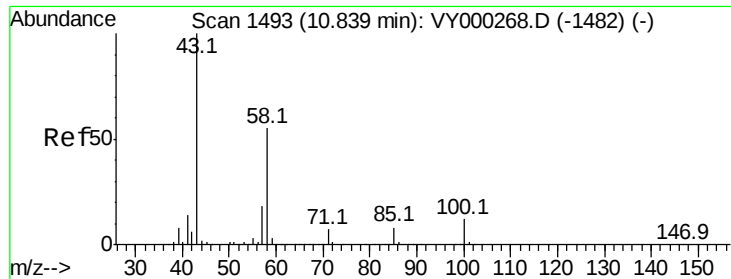
106 28.2 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

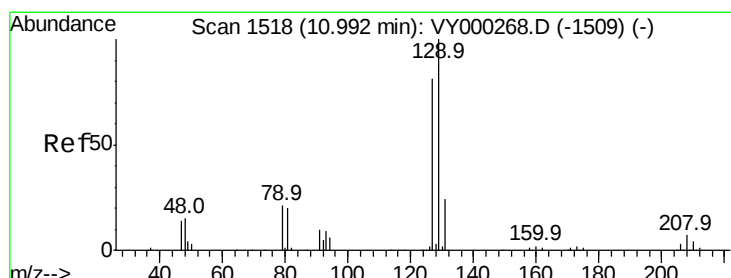
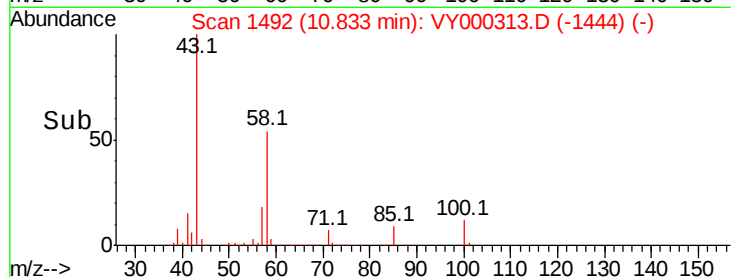
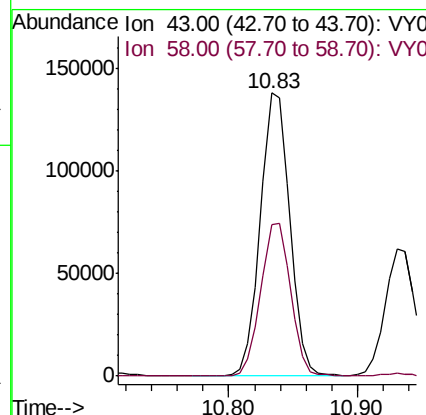
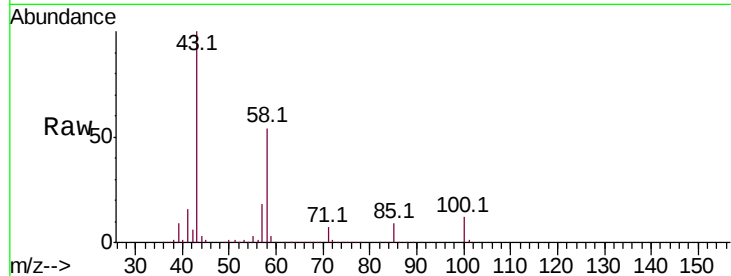




#59
2-Hexanone
Concen: 102.303 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

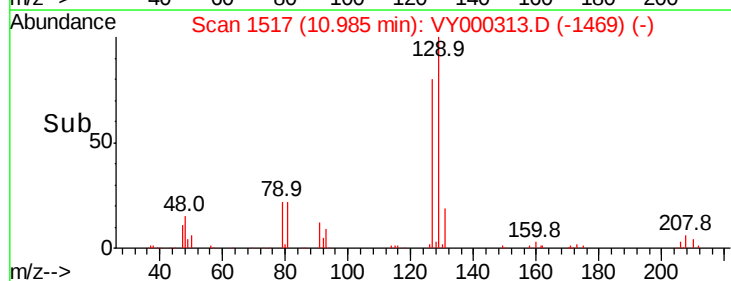
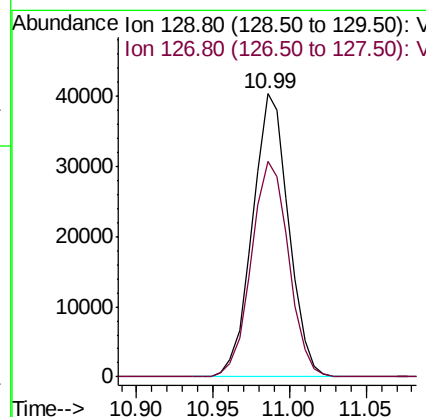
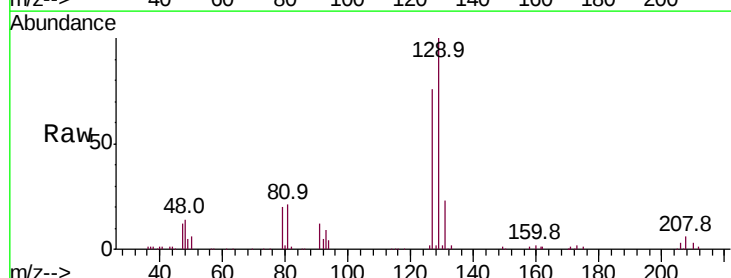
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

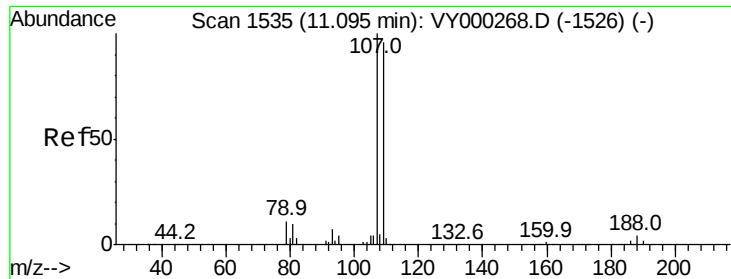
Tot Ion: 43 Resp: 218688
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.1



#60
Dibromochloromethane
Concen: 19.802 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 129 Resp: 66352
Ion Ratio Lower Upper
129 100
127 78.4 39.9 119.7

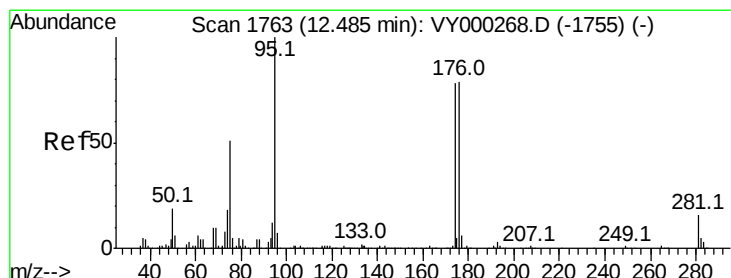
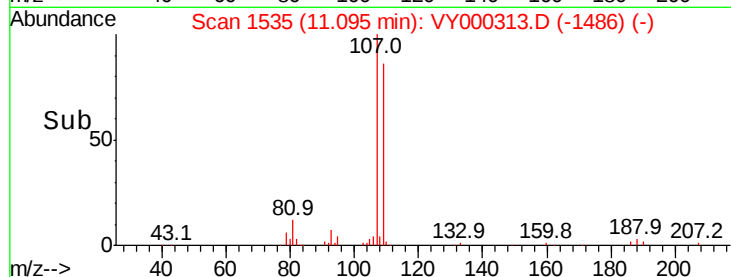
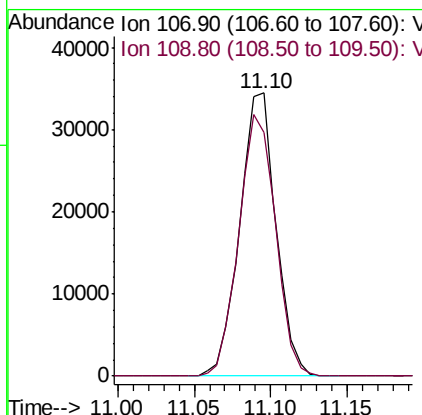
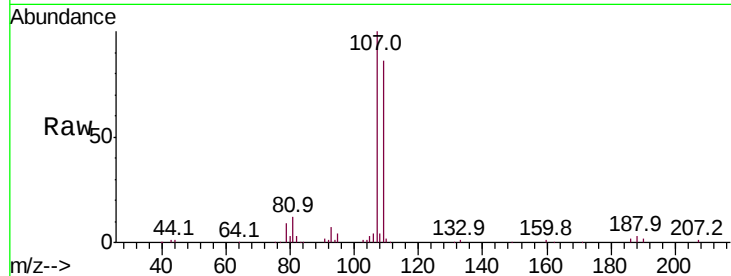




#61
 1,2-Dibromoethane
 Concen: 19.480 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

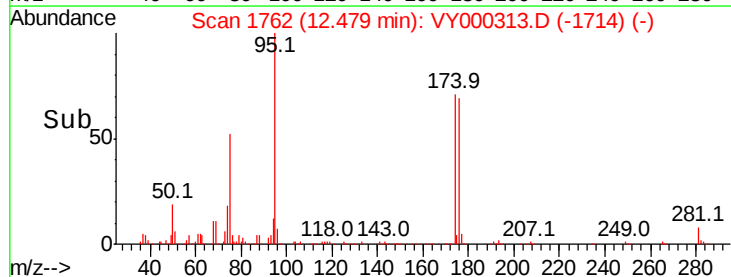
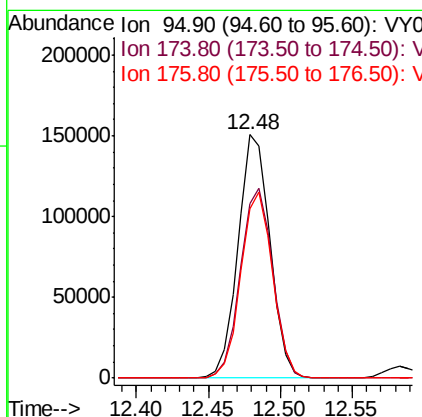
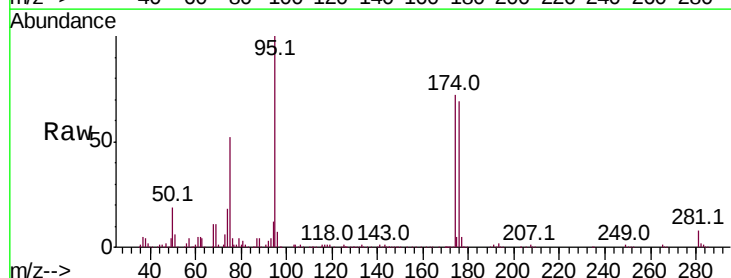
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

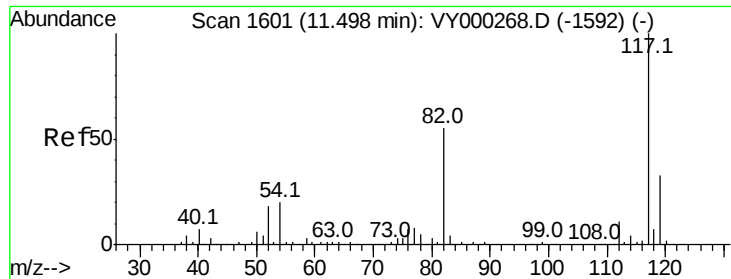
Tot Ion:107 Resp: 56543
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.080 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion: 95 Resp: 231765
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 159.6
 176 76.0 0.0 153.8

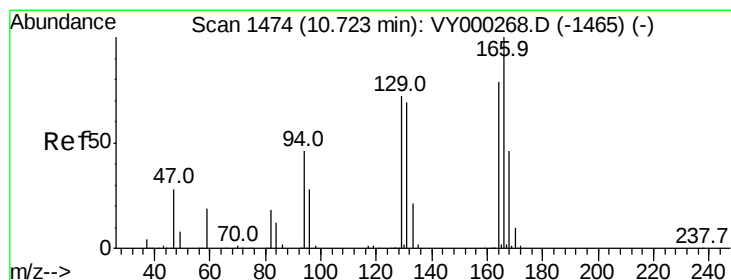
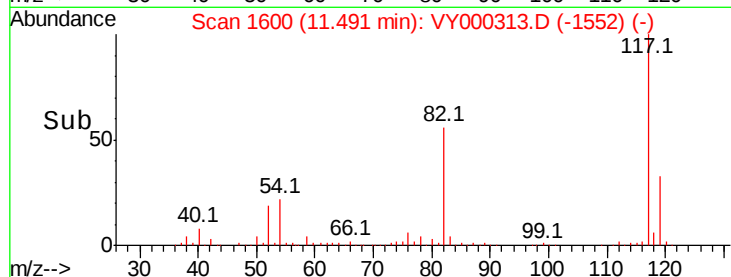
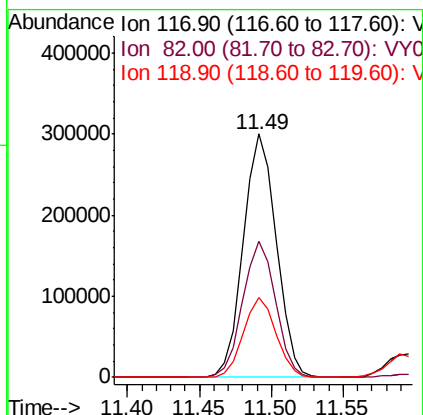
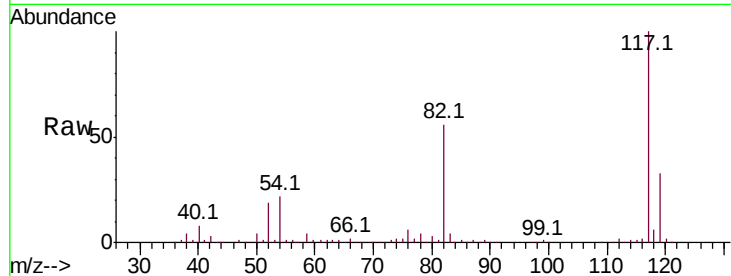




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

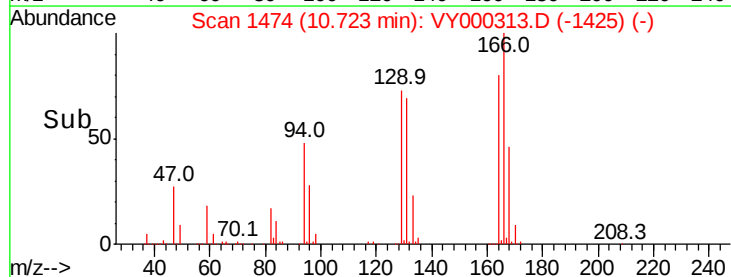
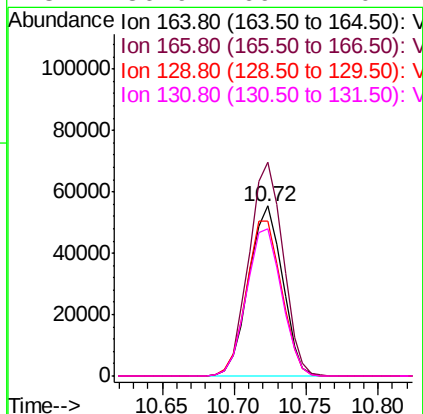
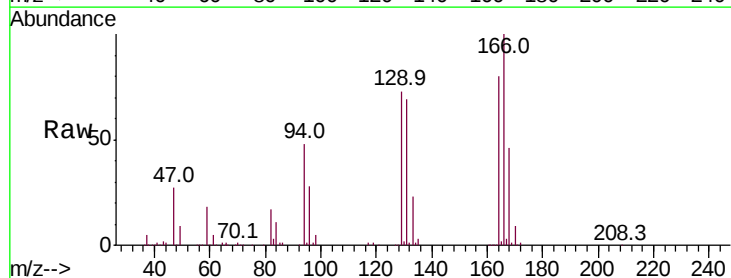
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

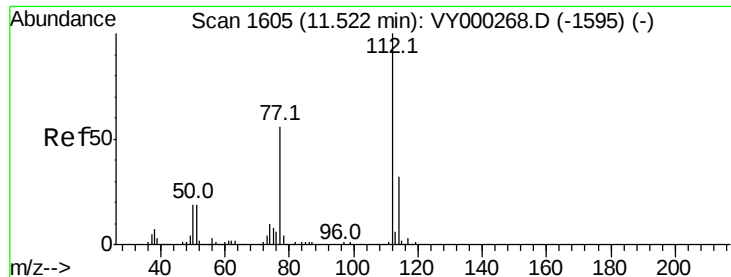
Tot Ion:117 Resp: 476481
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 32.9 26.6 39.8



#64
Tetrachloroethene
Concen: 19.839 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion:164 Resp: 89995
Ion Ratio Lower Upper
164 100
166 125.7 100.6 151.0
129 91.2 72.8 109.2
131 86.9 69.4 104.2

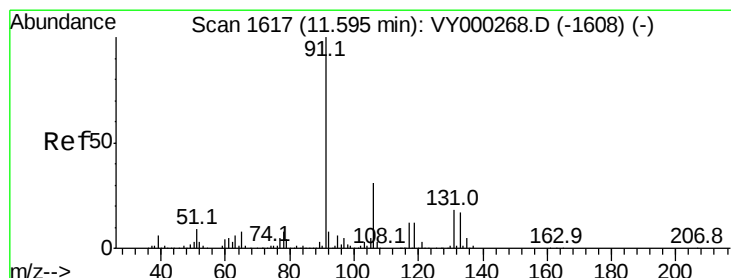
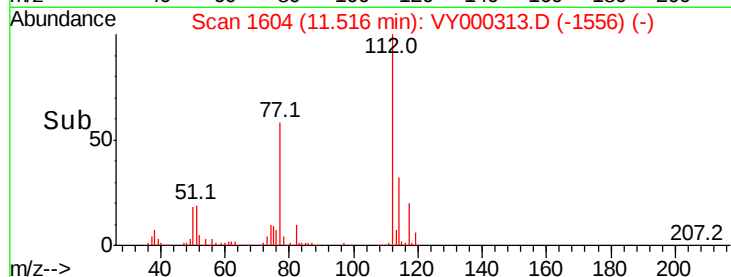
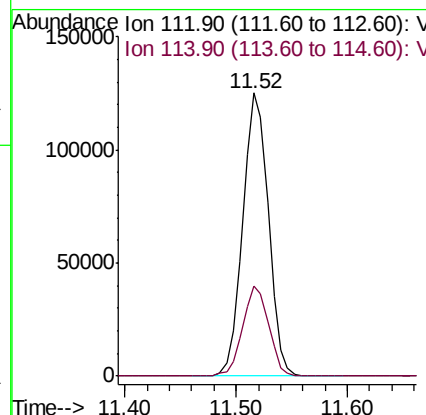
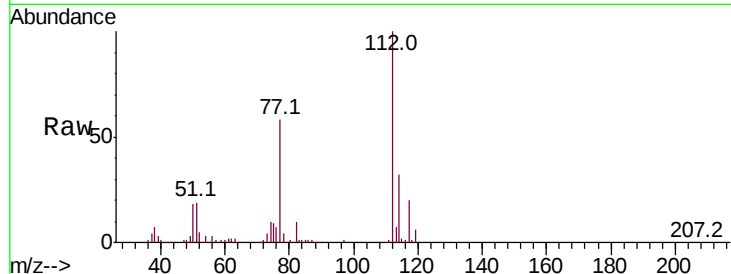




#65
Chlorobenzene
Concen: 19.804 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

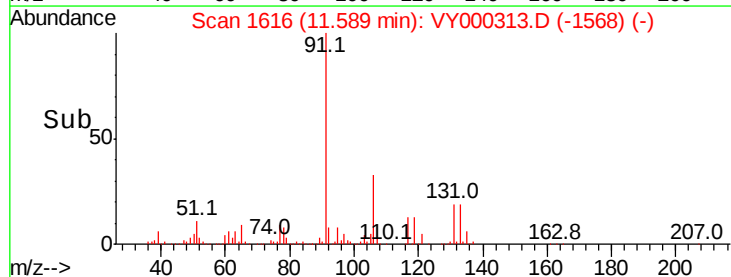
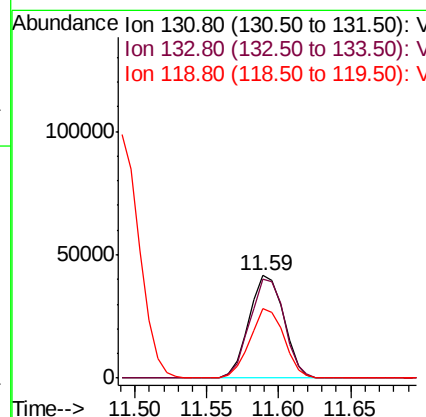
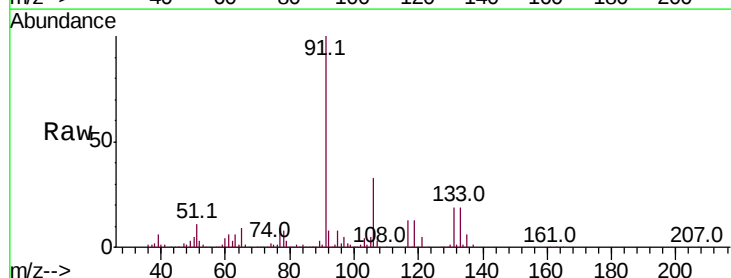
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

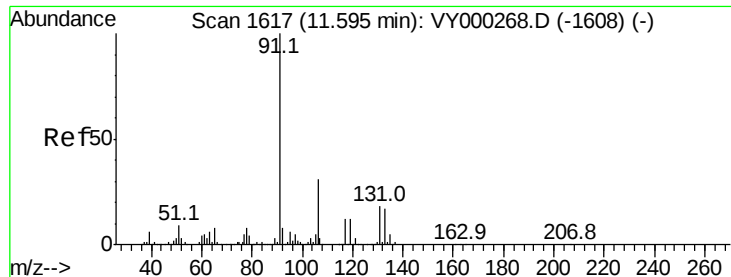
Tot Ion:112 Resp: 199145
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.691 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion:131 Resp: 69557
Ion Ratio Lower Upper
131 100
133 96.5 47.2 141.6
119 66.6 32.6 98.0





#67

Ethyl Benzene

Concen: 19.712 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

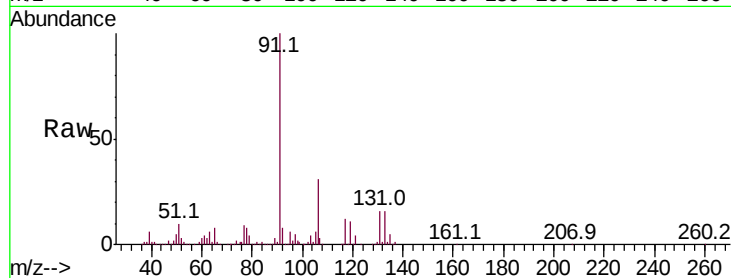
VY1015SBS01

Tot Ion: 91 Resp: 367464

Ion Ratio Lower Upper

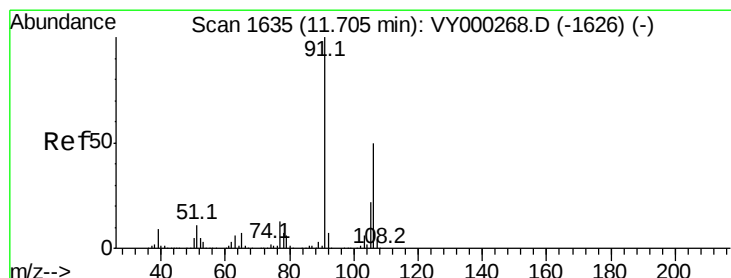
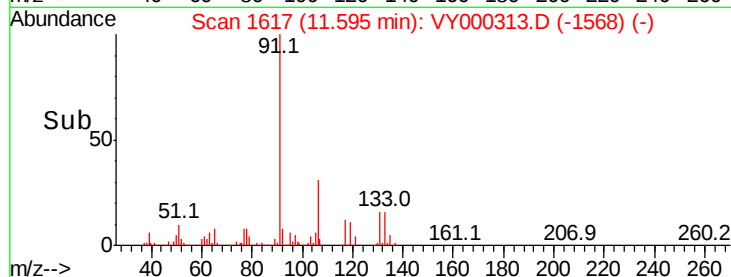
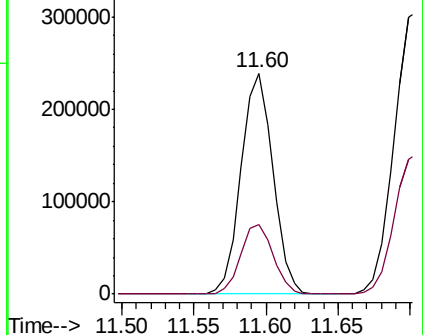
91 100

106 31.3 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VY000313.D (-1568) (-)

Ion 106.00 (105.70 to 106.70): VY000313.D (-1568) (-)



#68

m/p-Xylenes

Concen: 39.123 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000313.D

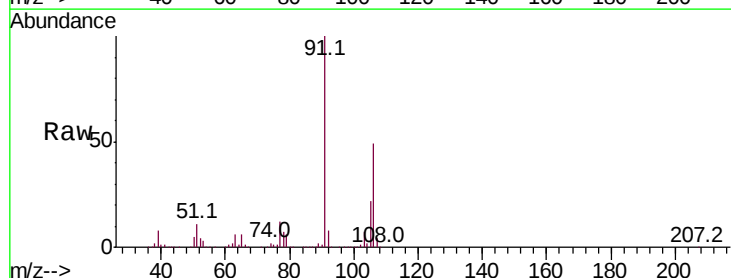
Acq: 15 Oct 2019 12:32

Tgt Ion: 106 Resp: 278800

Ion Ratio Lower Upper

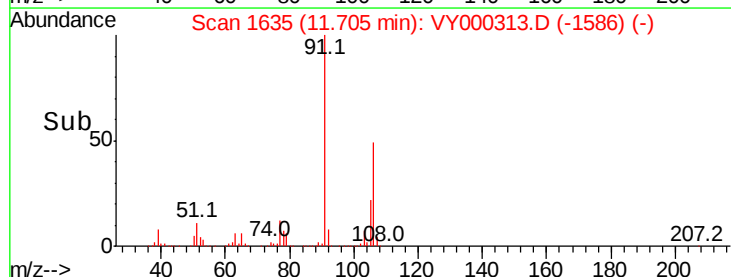
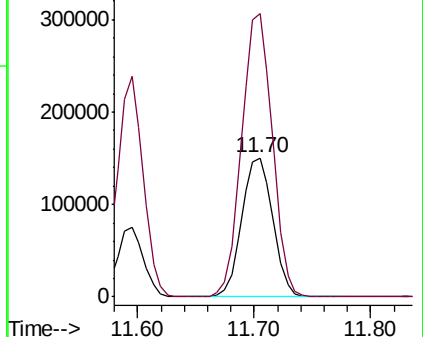
106 100

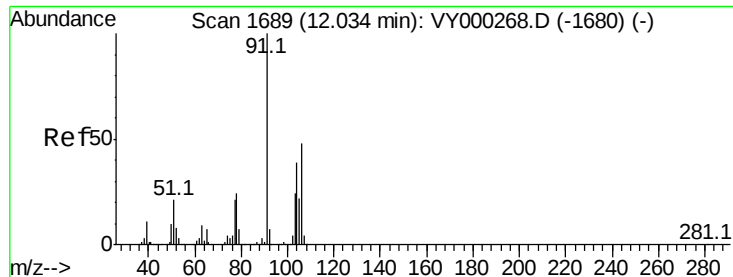
91 202.3 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VY000313.D (-1586) (-)

Ion 91.00 (90.70 to 91.70): VY000313.D (-1586) (-)

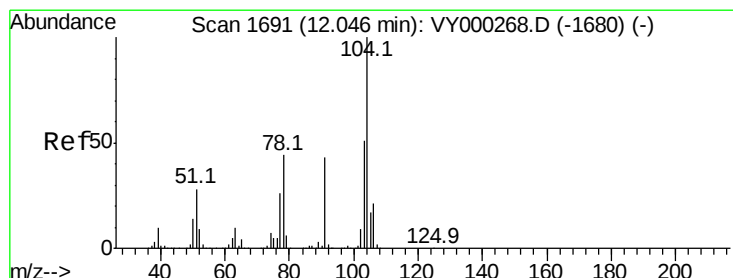
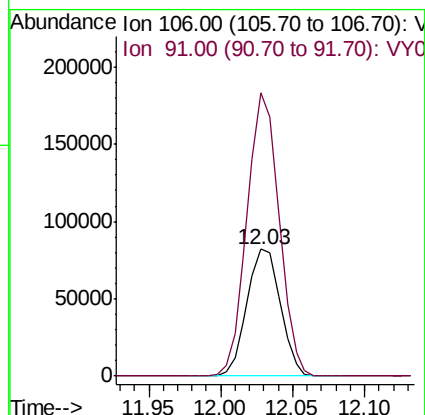
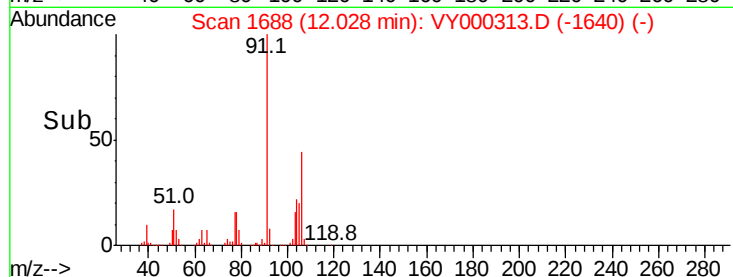
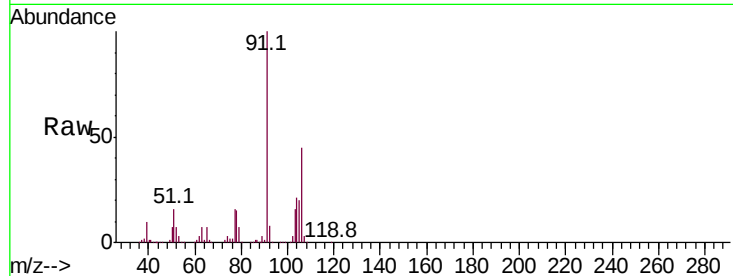




#69
o-Xylene
Concen: 19.499 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

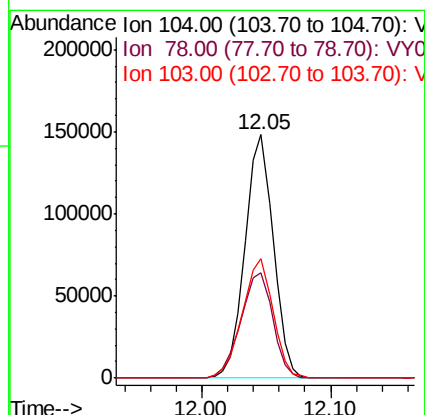
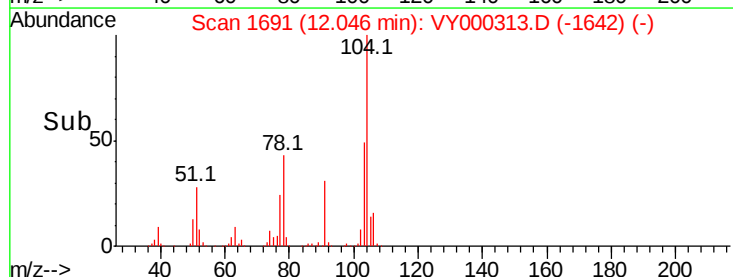
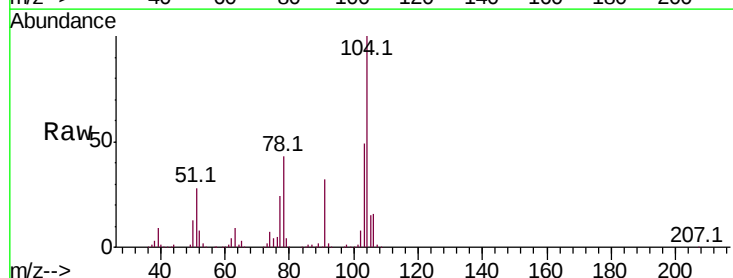
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

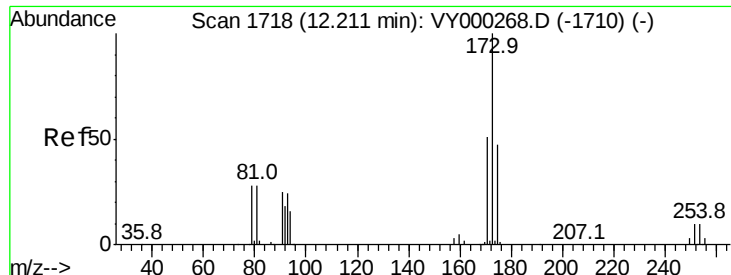
Tot Ion:106 Resp: 132562
Ion Ratio Lower Upper
106 100
91 213.6 104.7 313.9



#70
Styrene
Concen: 19.620 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion:104 Resp: 224942
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.6
103 53.4 43.1 64.7





#71

Bromoform

Concen: 19.423 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

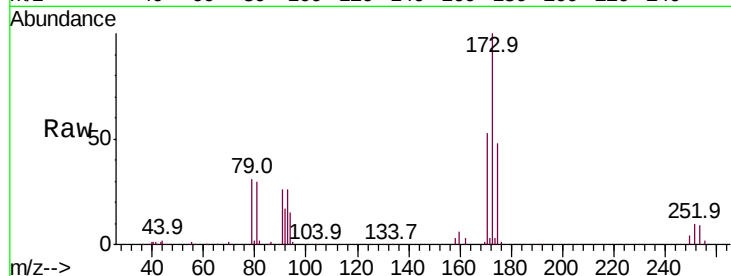
Tot Ion:173 Resp: 39442

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.6

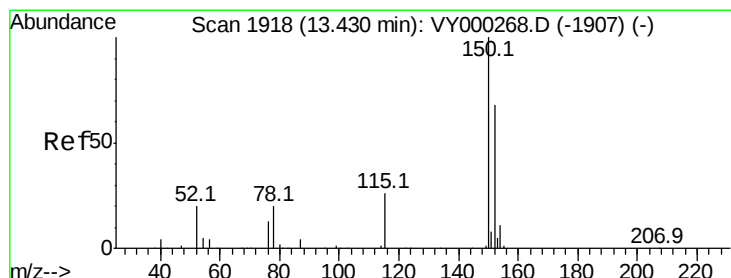
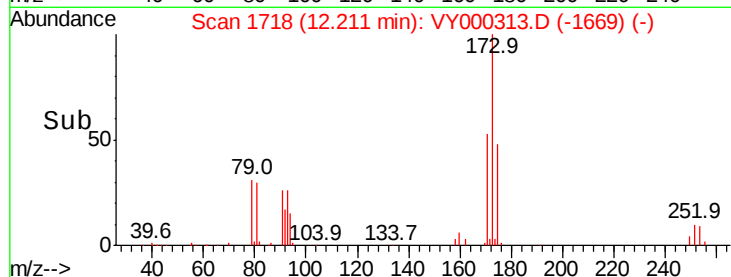
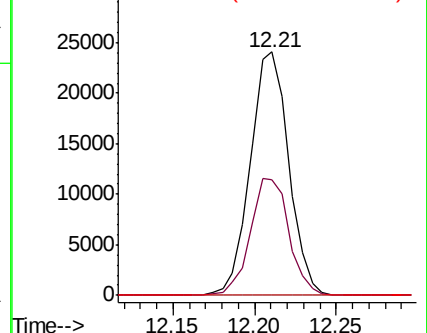
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

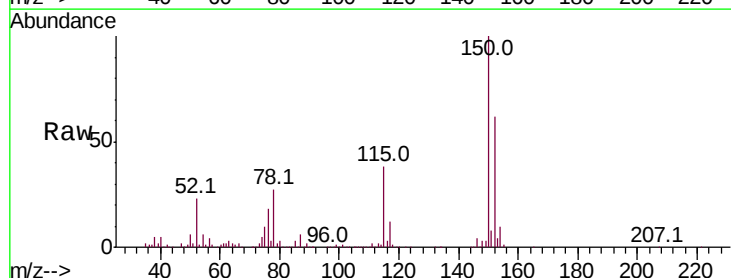
Tgt Ion:152 Resp: 227520

Ion Ratio Lower Upper

152 100

115 60.7 29.3 88.0

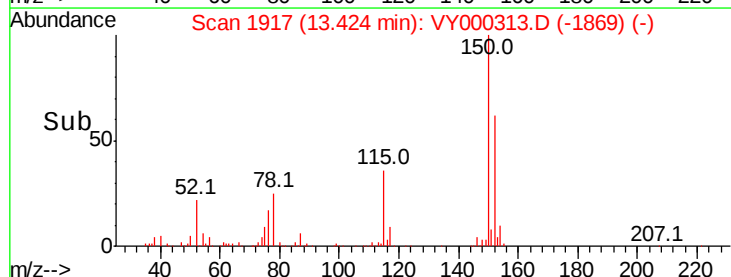
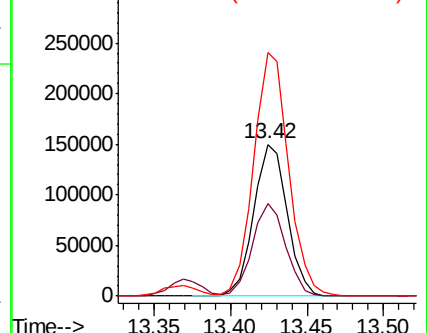
150 167.8 0.0 348.4

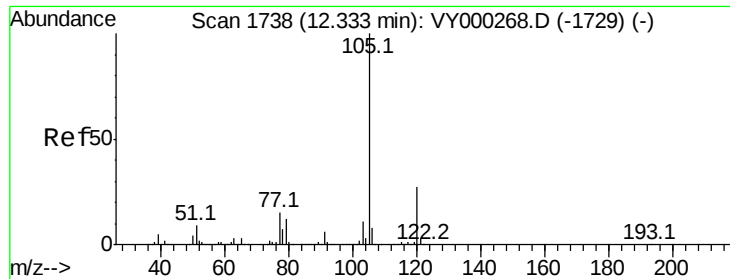


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.187 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

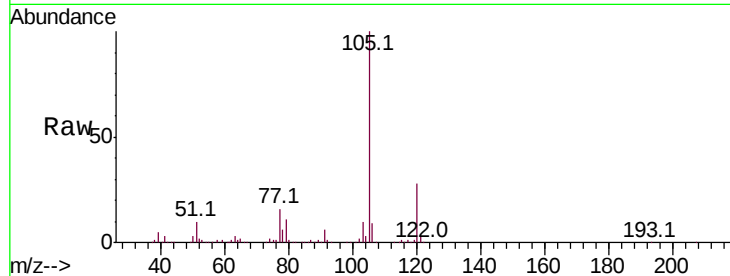
VY1015SBS01

Tot Ion:105 Resp: 358128

Ion Ratio Lower Upper

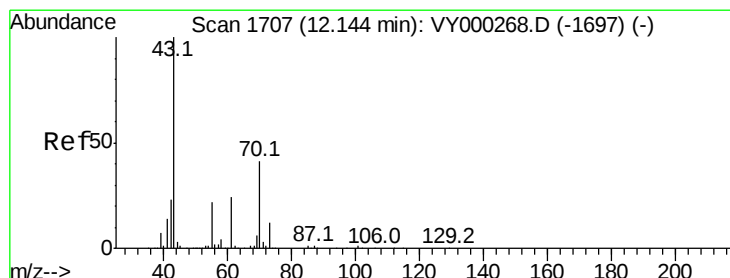
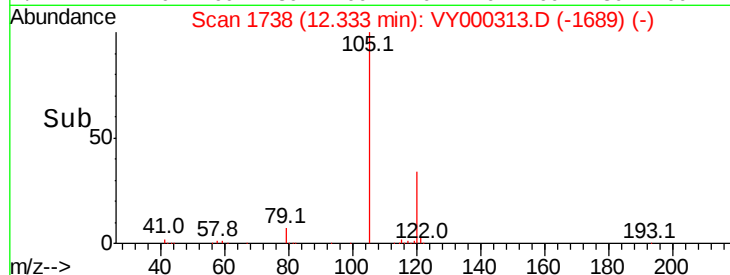
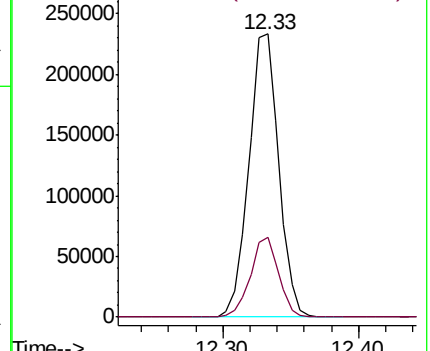
105 100

120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.557 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion: 43 Resp: 98241

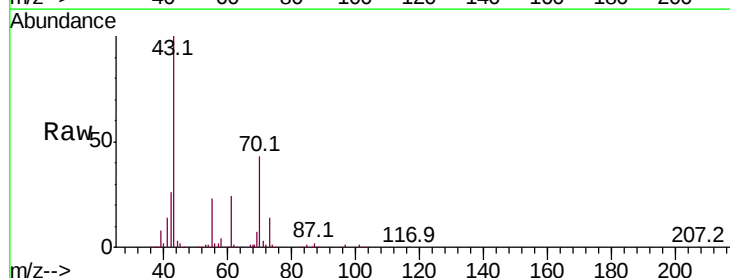
Ion Ratio Lower Upper

43 100

70 43.5 32.9 49.3

55 22.3 17.8 26.6

61 24.4 19.5 29.3

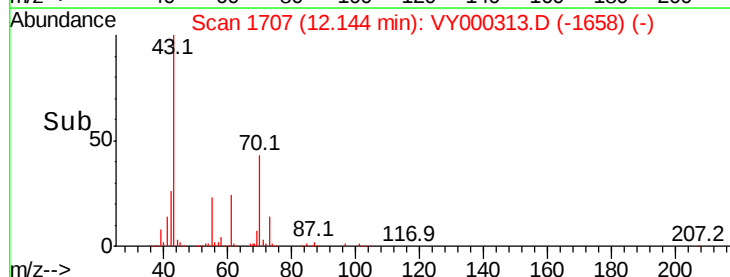
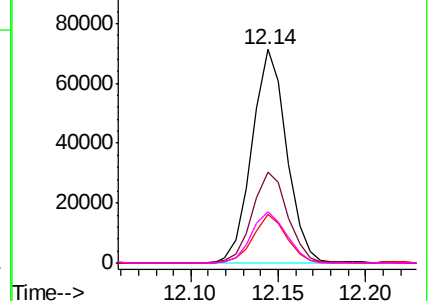


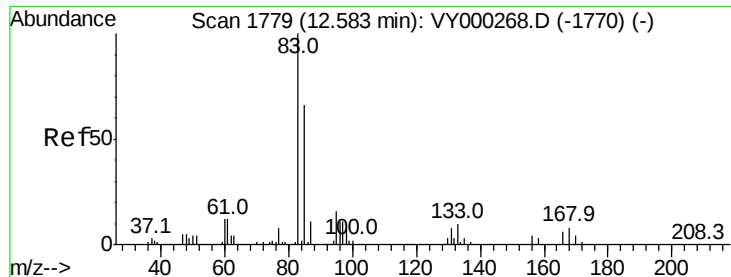
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.827 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

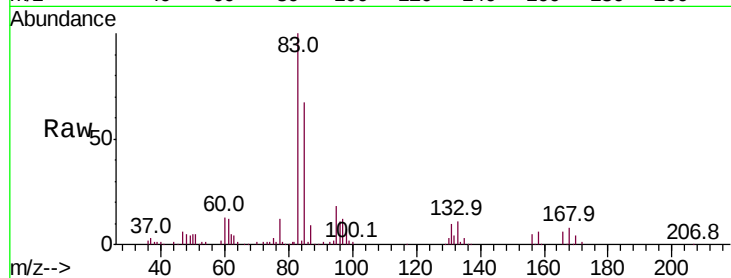
Tot Ion: 83 Resp: 66040

Ion Ratio Lower Upper

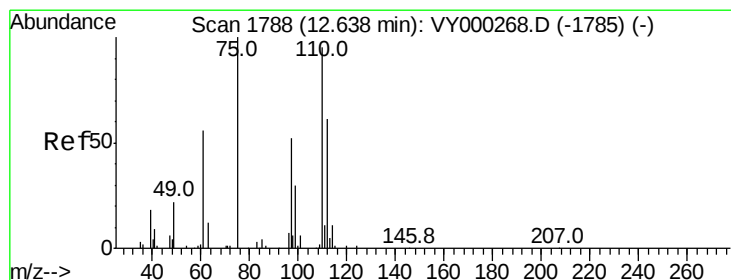
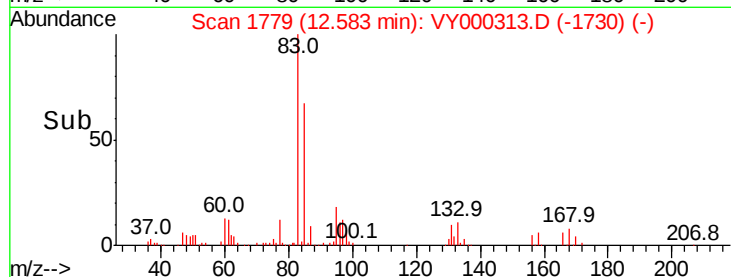
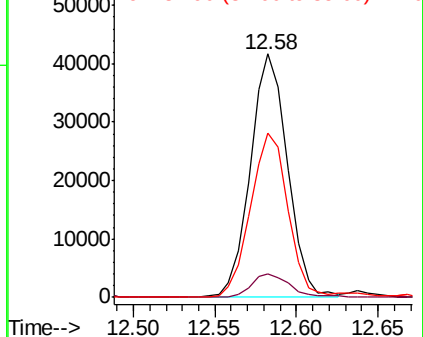
83 100

131 9.8 5.3 16.1

85 67.5 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 130.80 (130.50 to 131.50): VY0
Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 34.544 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY000313.D

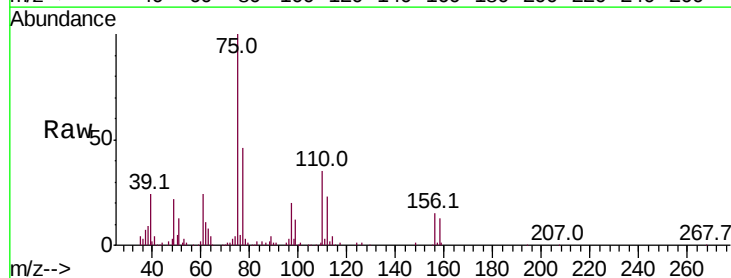
Acq: 15 Oct 2019 12:32

Tgt Ion: 75 Resp: 96643

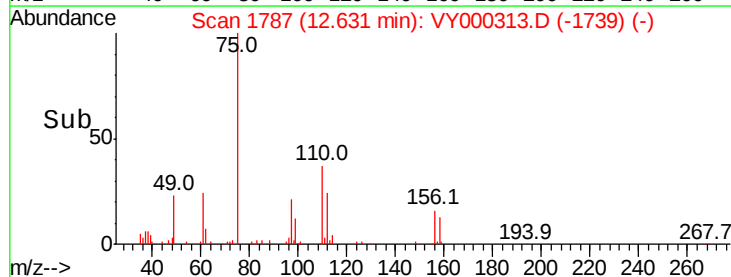
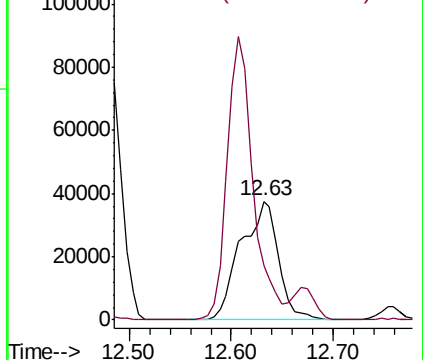
Ion Ratio Lower Upper

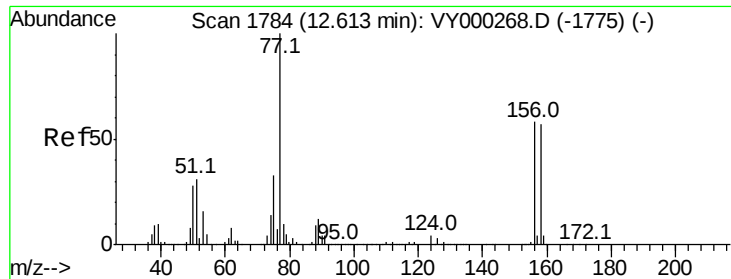
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.212 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

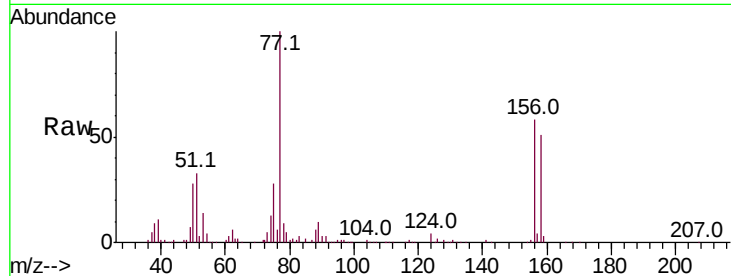
Tot Ion:156 Resp: 79792

Ion Ratio Lower Upper

156 100

77 197.6 101.0 302.9

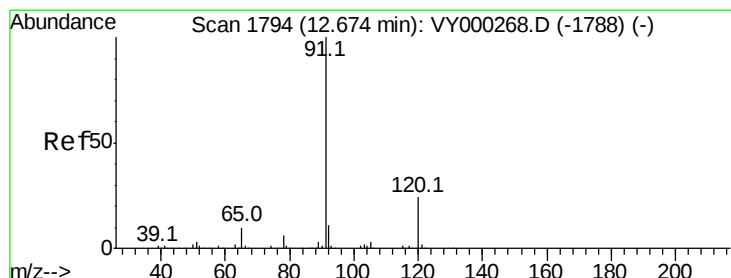
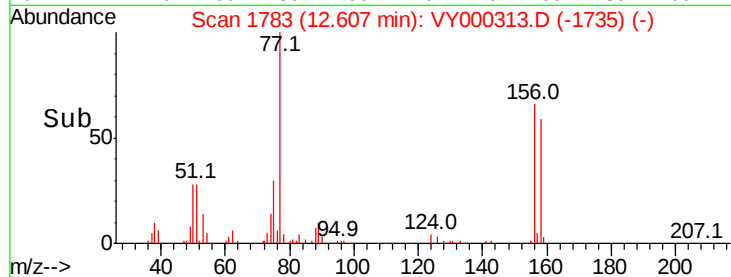
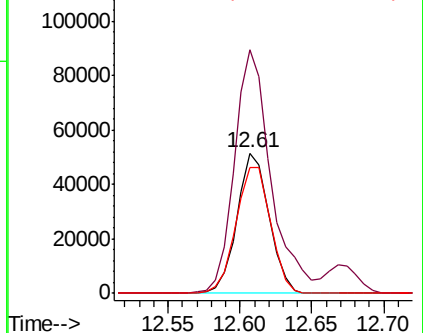
158 97.3 49.7 149.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.309 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000313.D

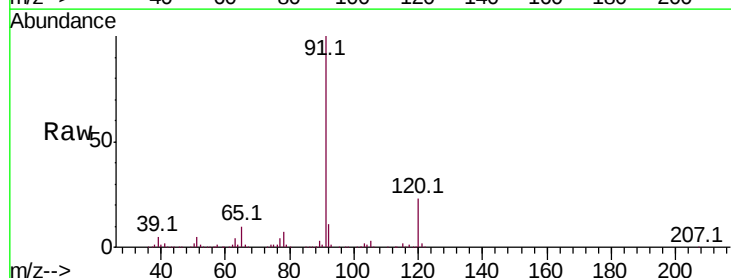
Acq: 15 Oct 2019 12:32

Tgt Ion: 91 Resp: 432594

Ion Ratio Lower Upper

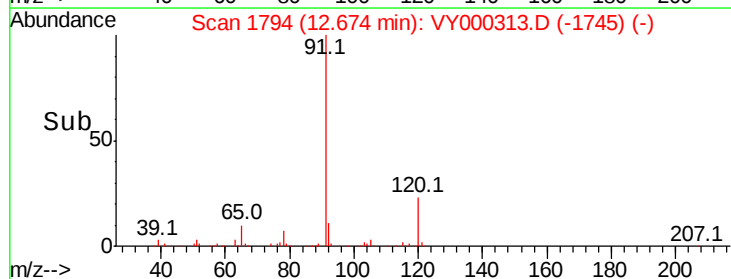
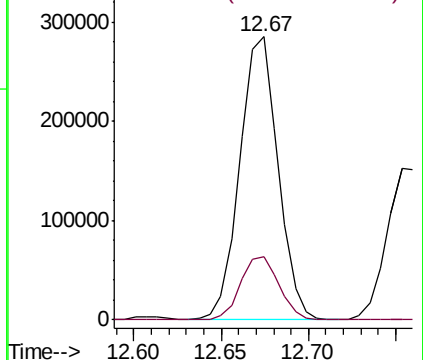
91 100

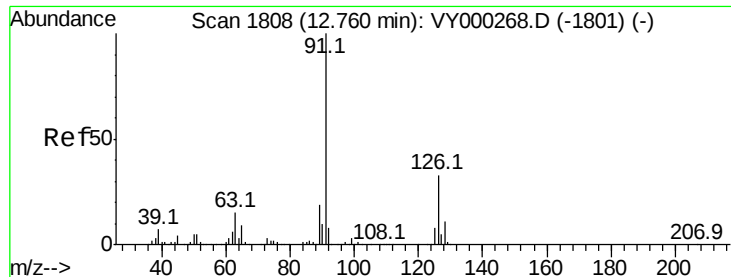
120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

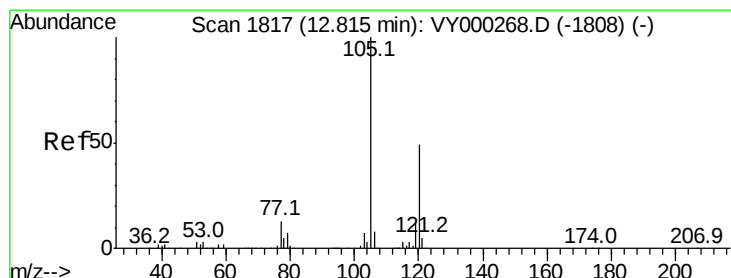
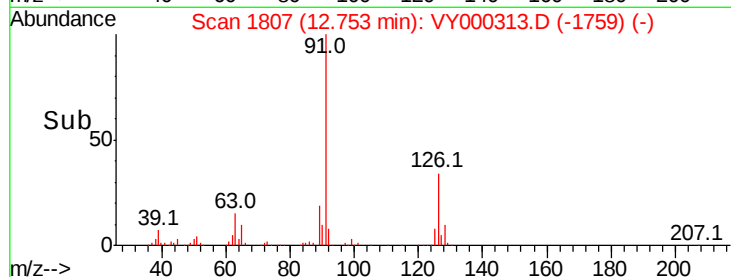
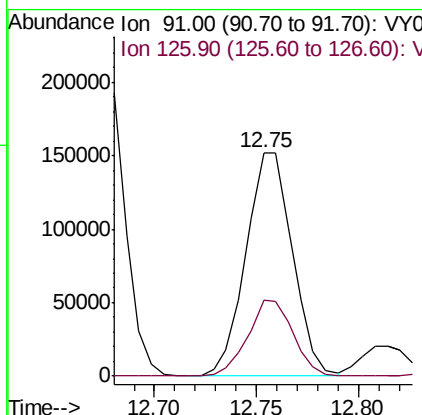
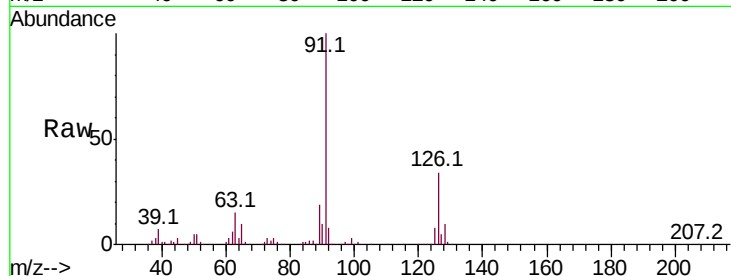




#79
2-Chlorotoluene
Concen: 20.547 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.01 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

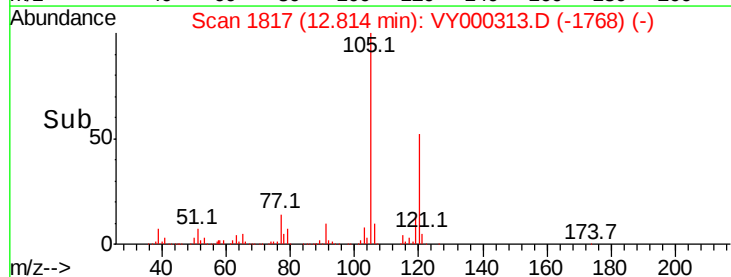
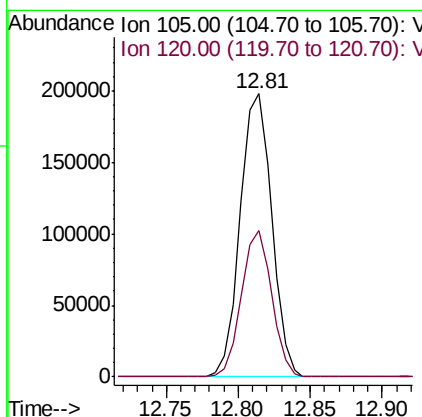
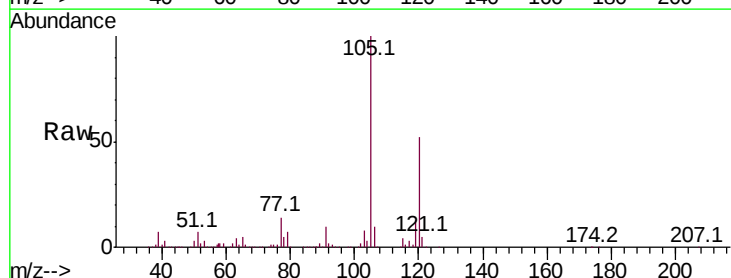
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

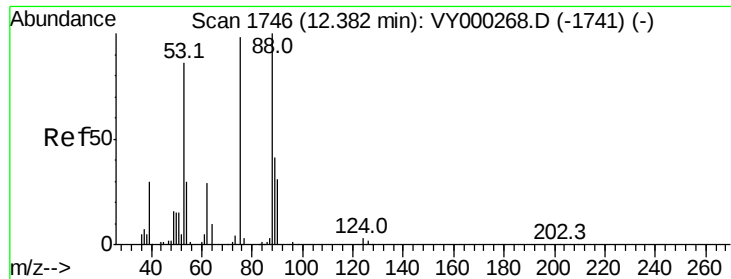
Tot Ion: 91 Resp: 241697
Ion Ratio Lower Upper
91 100
126 33.1 17.1 51.3



#80
1,3,5-Trimethylbenzene
Concen: 20.256 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion: 105 Resp: 301328
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.912 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

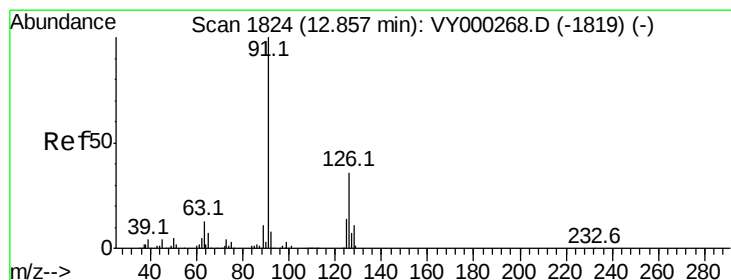
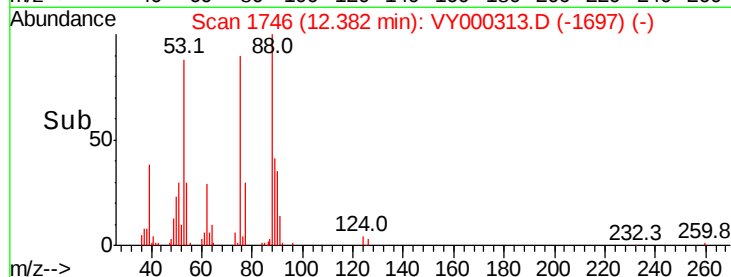
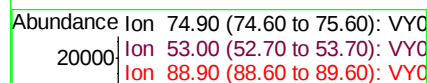
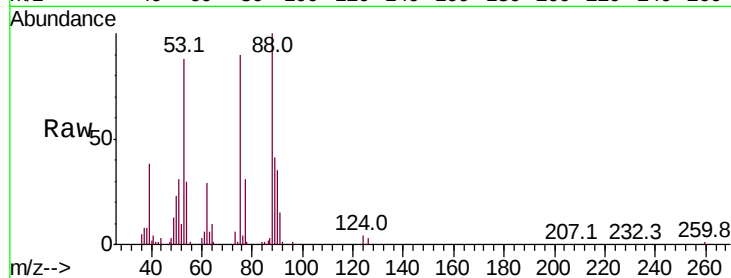
Tot Ion: 75 Resp: 24182

Ion Ratio Lower Upper

75 100

53 90.4 71.3 106.9

89 43.8 35.1 52.7



#82

4-Chlorotoluene

Concen: 20.543 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VY000313.D

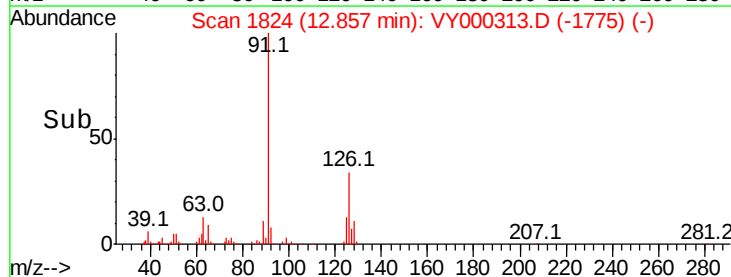
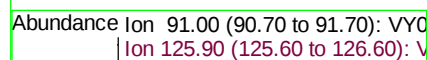
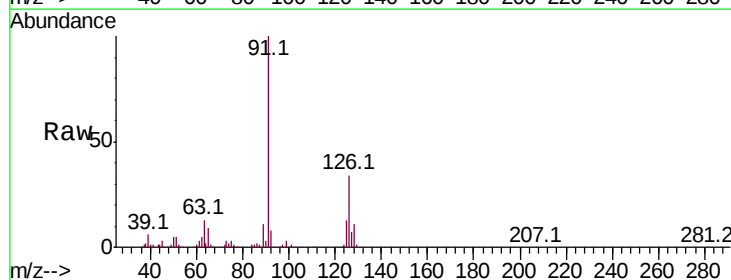
Acq: 15 Oct 2019 12:32

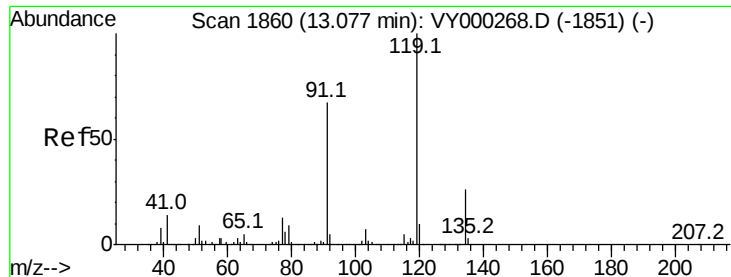
Tgt Ion: 91 Resp: 255434

Ion Ratio Lower Upper

91 100

126 32.9 17.2 51.5

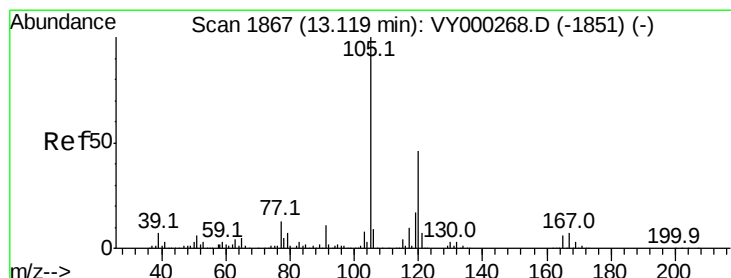
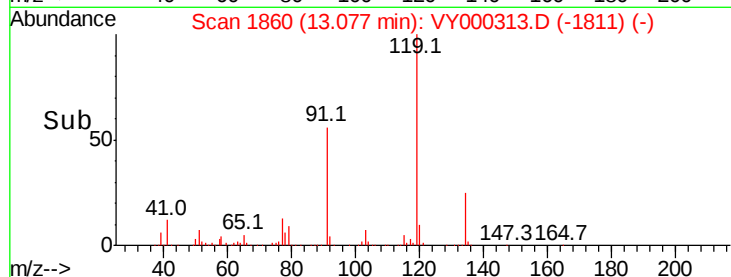
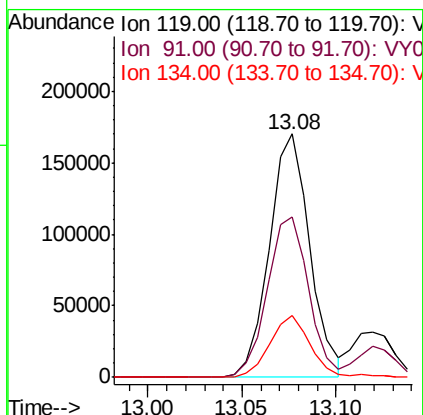
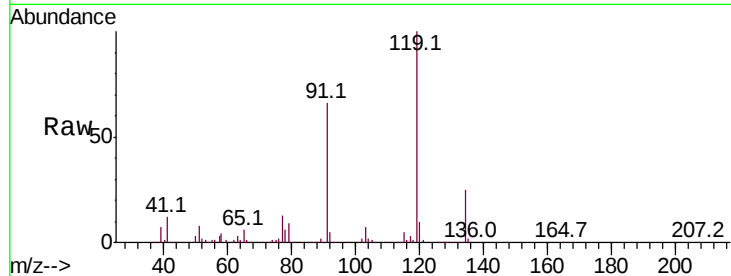




#83
tert-Butylbenzene
Concen: 20.131 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

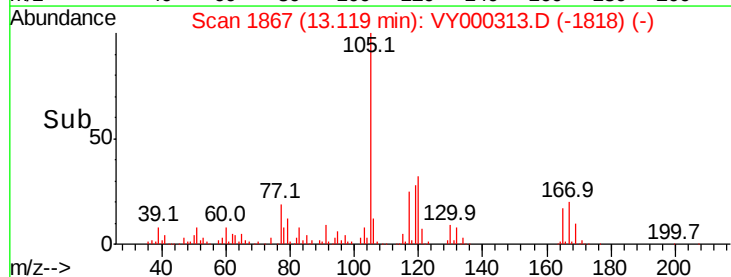
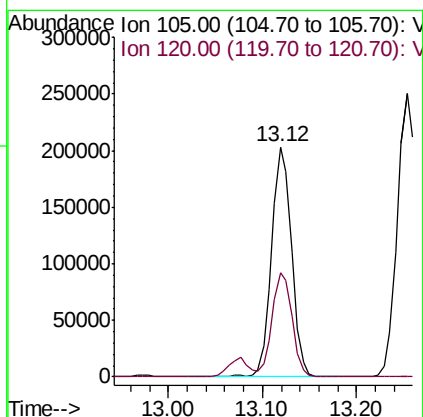
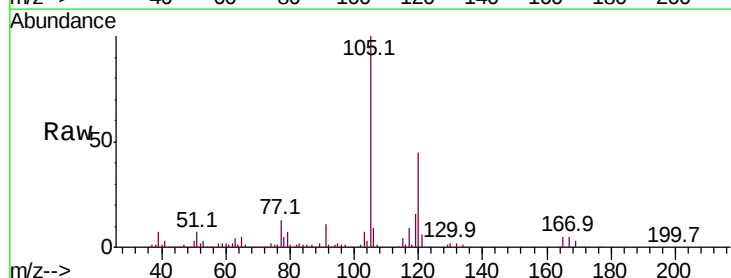
Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

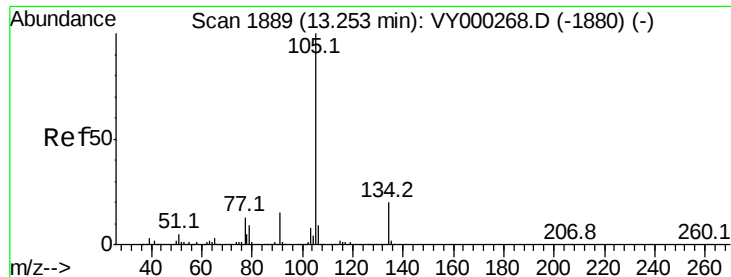
Tot Ion:119 Resp: 253602
Ion Ratio Lower Upper
119 100
91 67.3 32.9 98.7
134 25.8 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 20.523 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000313.D
Acq: 15 Oct 2019 12:32

Tgt Ion:105 Resp: 301313
Ion Ratio Lower Upper
105 100
120 45.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.339 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

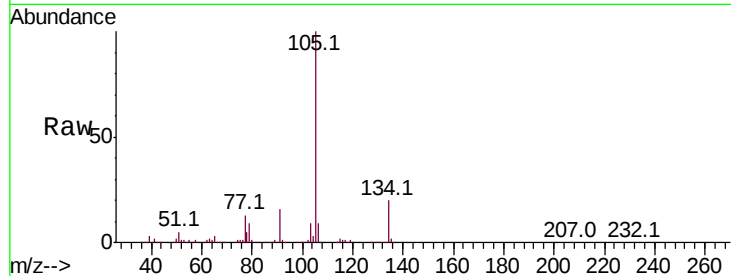
VY1015SBS01

Tot Ion:105 Resp: 370664

Ion Ratio Lower Upper

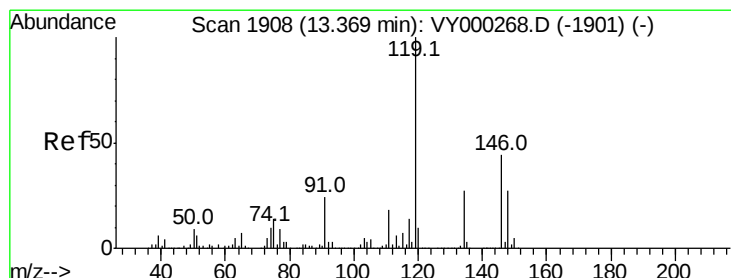
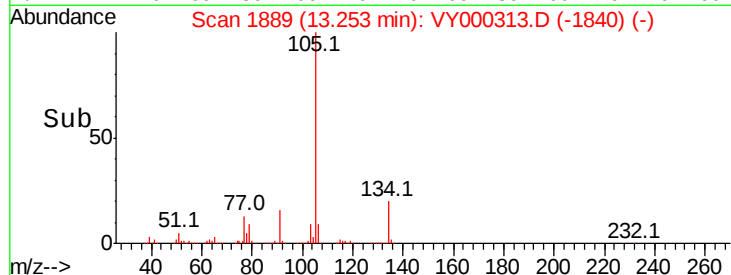
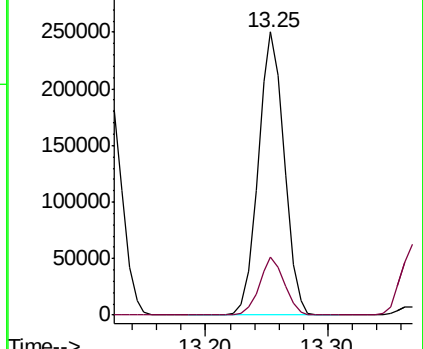
105 100

134 19.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.685 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

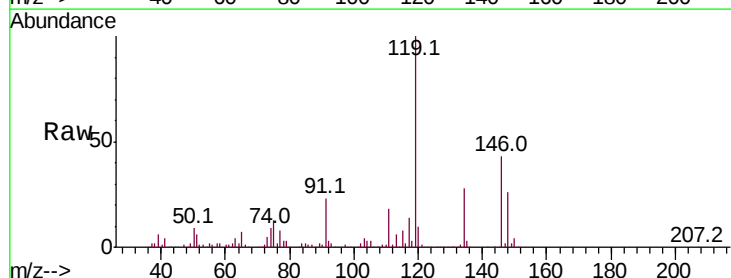
Tgt Ion:119 Resp: 328647

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

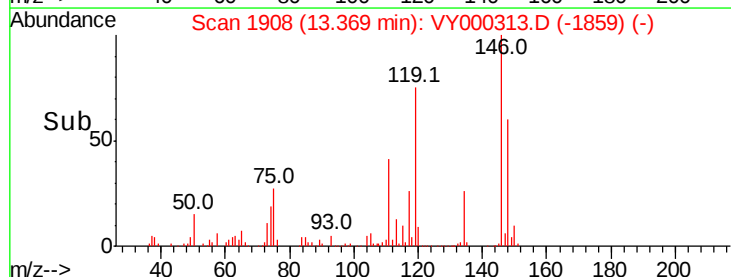
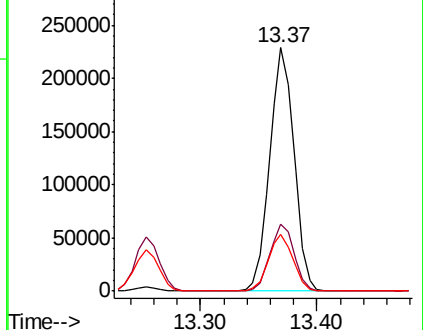
91 23.5 12.0 36.1

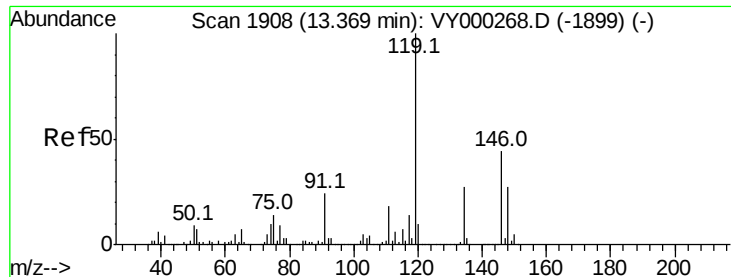


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 20.481 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

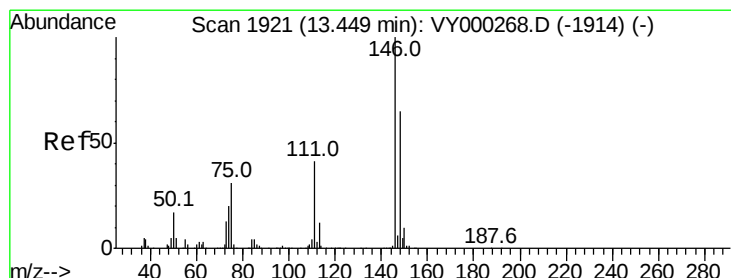
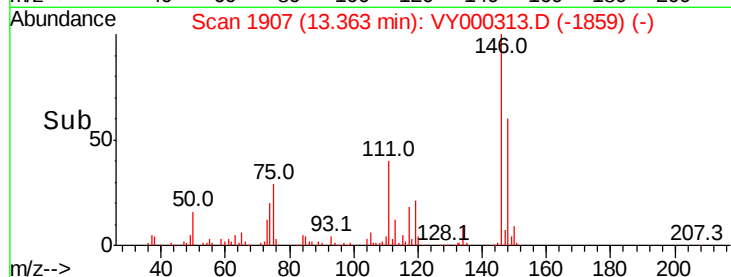
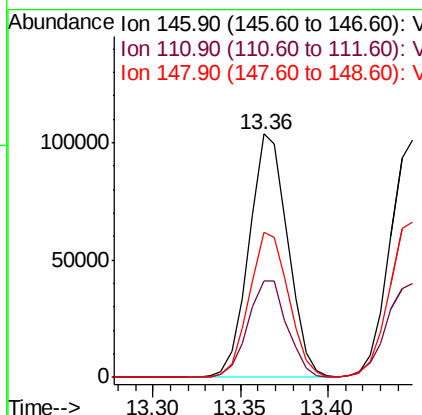
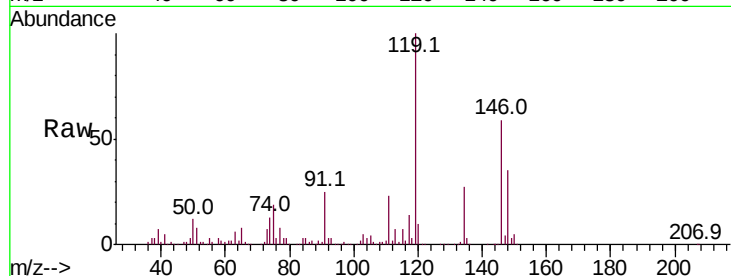
Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :
MSVOA_Y
ClientSampleId :
VY1015SBS01

Tot Ion:146 Resp: 159302

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.8
148	60.9	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 19.813 ug/l

RT: 13.45 min Scan# 1921

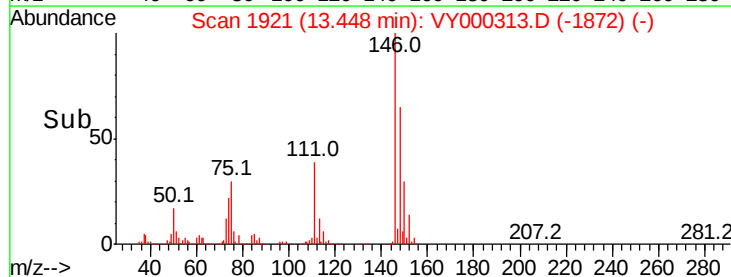
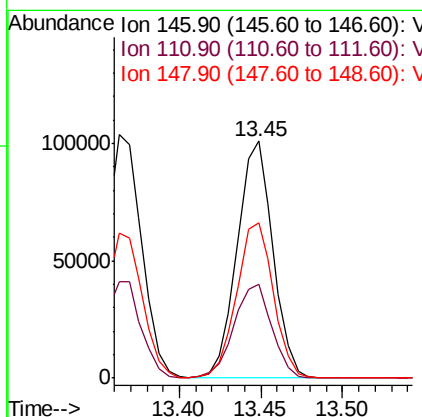
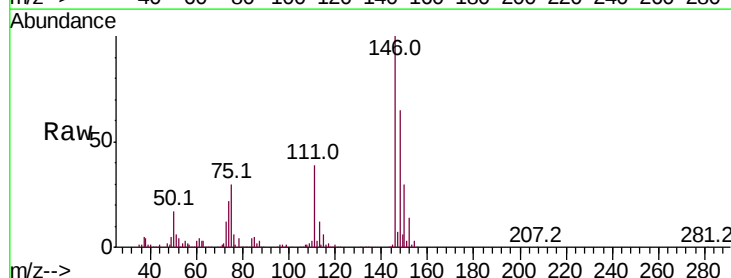
Delta R.T. -0.00 min

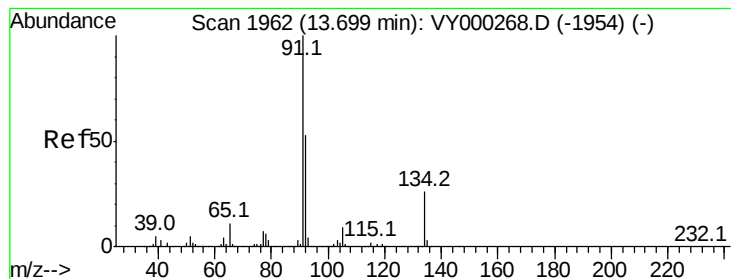
Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion:146 Resp: 154034

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.1	60.2
148	67.5	32.4	97.2





#89

n-Butylbenzene

Concen: 20.450 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

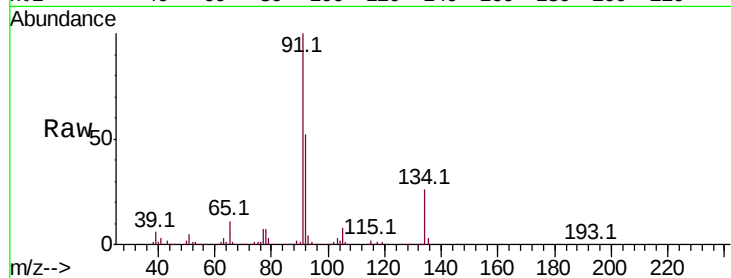
Tot Ion: 91 Resp: 321077

Ion Ratio Lower Upper

91 100

92 52.7 26.7 80.1

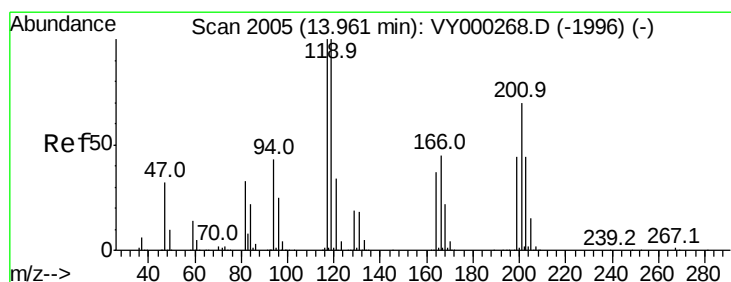
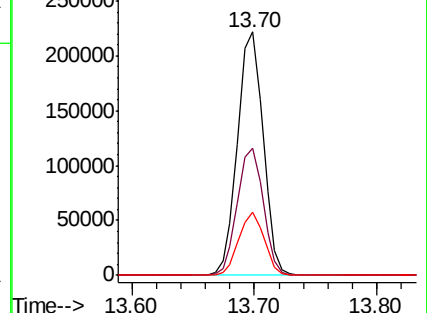
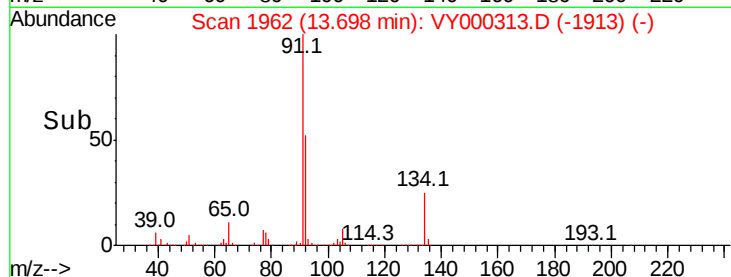
134 25.6 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VY000313.D (-1913) (-)

Ion 92.00 (91.70 to 92.70): VY000313.D (-1913) (-)

Ion 134.00 (133.70 to 134.70): VY000313.D (-1913) (-)



#90

Hexachloroethane

Concen: 20.574 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY000313.D

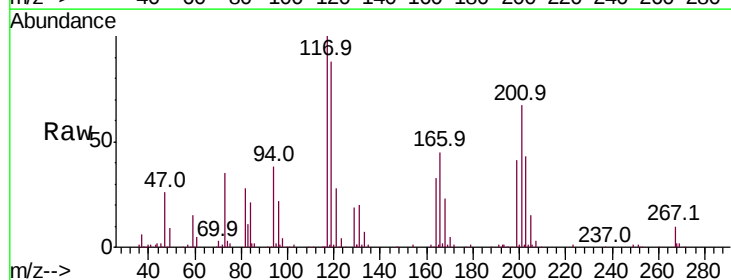
Acq: 15 Oct 2019 12:32

Tgt Ion: 117 Resp: 60527

Ion Ratio Lower Upper

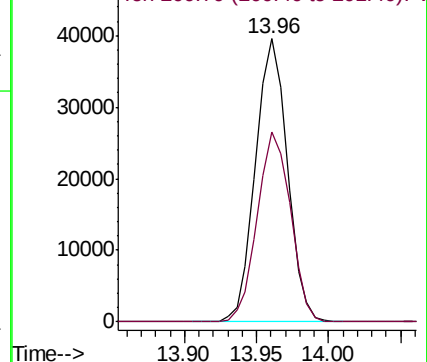
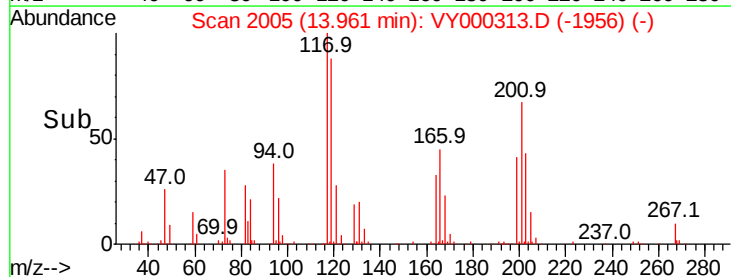
117 100

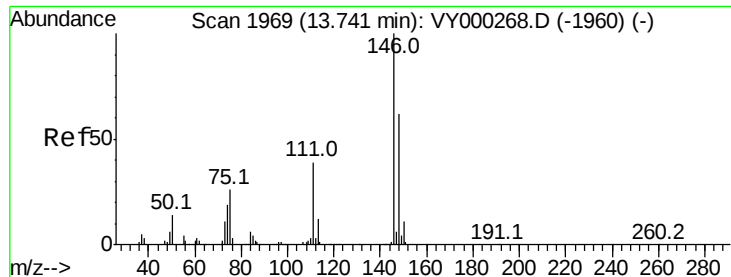
201 70.0 36.3 108.7



Abundance Ion 116.80 (116.50 to 117.50): VY000313.D (-1956) (-)

Ion 200.70 (200.40 to 201.40): VY000313.D (-1956) (-)





#91

1,2-Dichlorobenzene

Concen: 20.228 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

MSVOA_Y

ClientSampleId :

VY1015SBS01

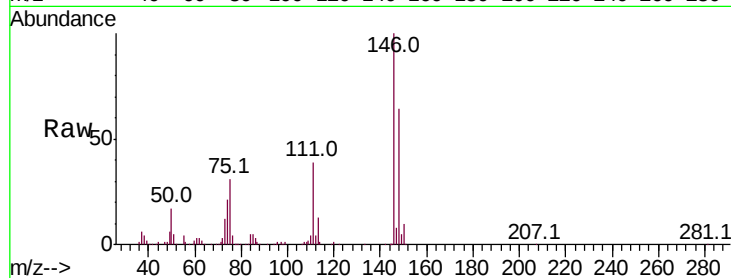
Tot Ion:146 Resp: 142386

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.5

148 63.8 31.6 95.0

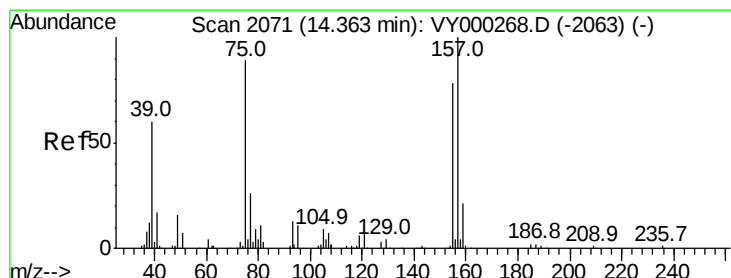
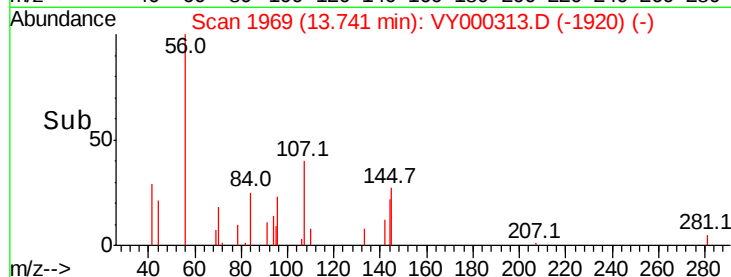
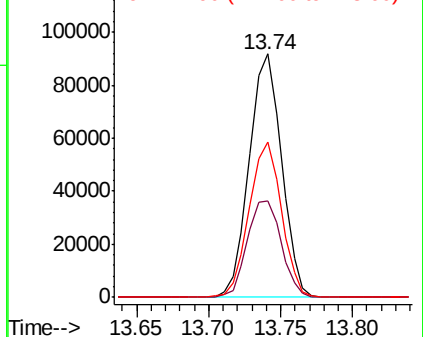


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.572 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

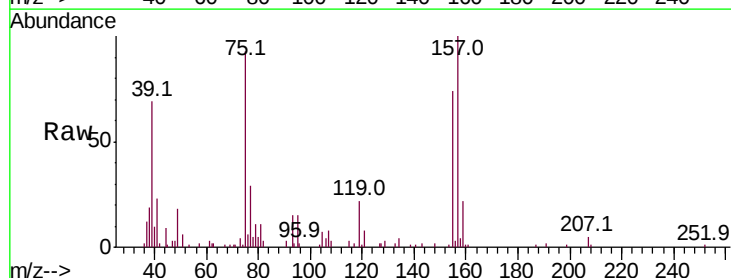
Tgt Ion: 75 Resp: 12364

Ion Ratio Lower Upper

75 100

155 85.8 45.8 137.3

157 108.7 55.6 166.9

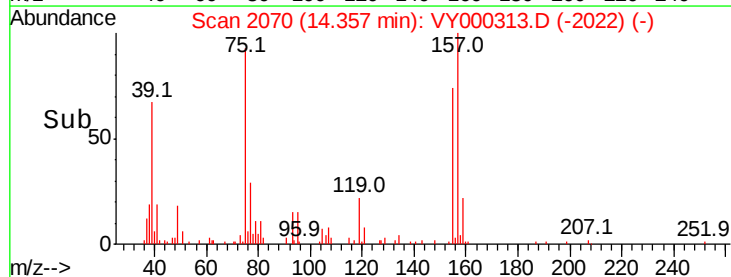
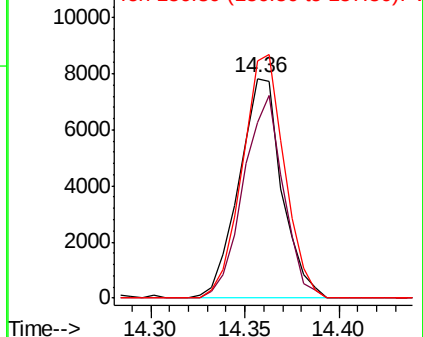


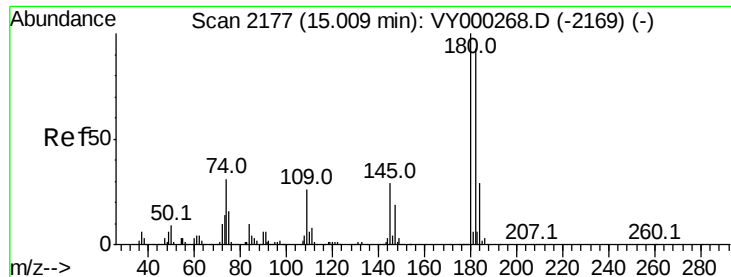
Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

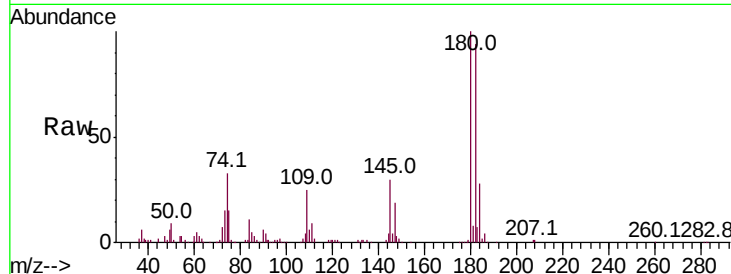




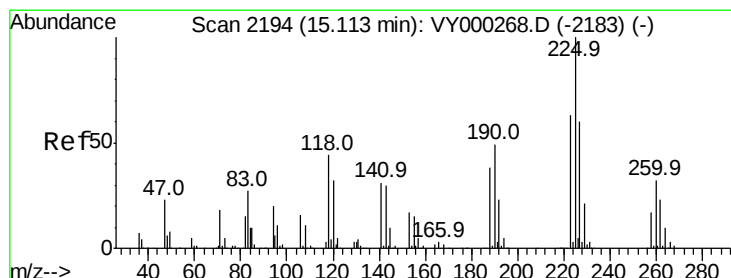
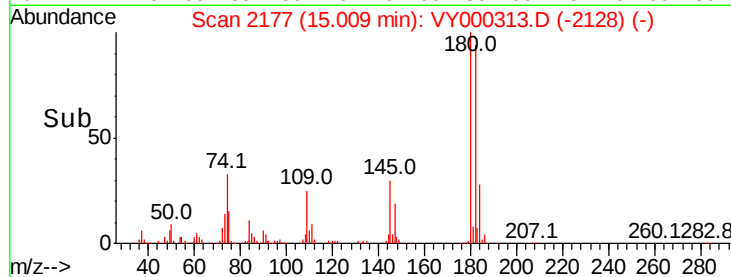
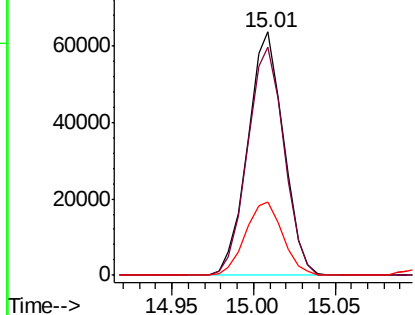
#93
 1,2,4-Trichlorobenzene
 Concen: 19.869 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Tot Ion:180 Resp: 97373
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.5 142.6
 145 31.5 15.4 46.1

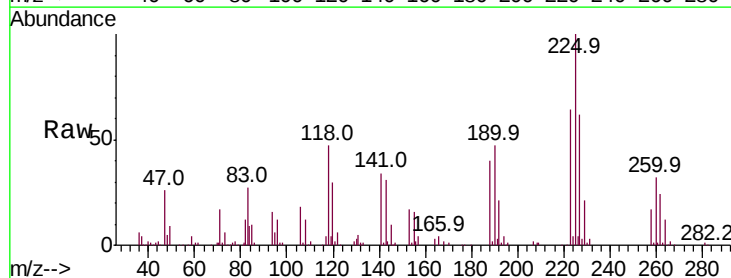


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

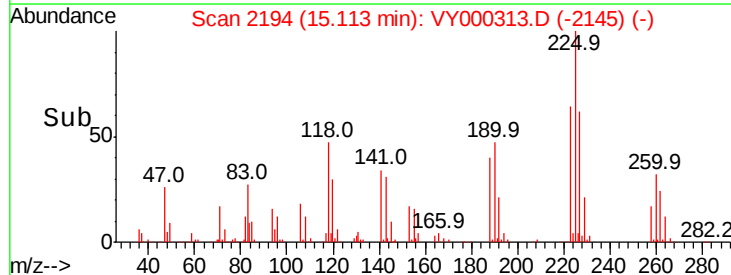
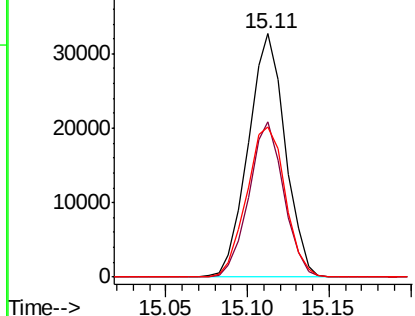


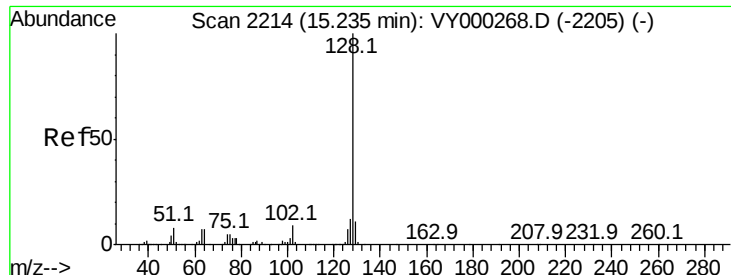
#94
 Hexachlorobutadiene
 Concen: 19.402 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000313.D
 Acq: 15 Oct 2019 12:32

Tgt Ion:225 Resp: 51458
 Ion Ratio Lower Upper
 225 100
 223 60.2 31.9 95.7
 227 64.3 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.359 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Instrument :

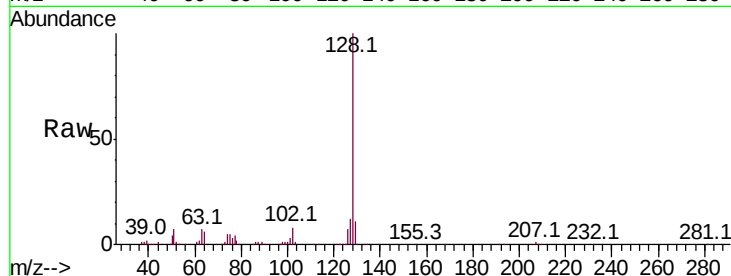
MSVOA_Y

ClientSampleId :

VY1015SBS01

Tot Ion:128 Resp: 222659

Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.6	14.4
129	11.0	8.7	13.1

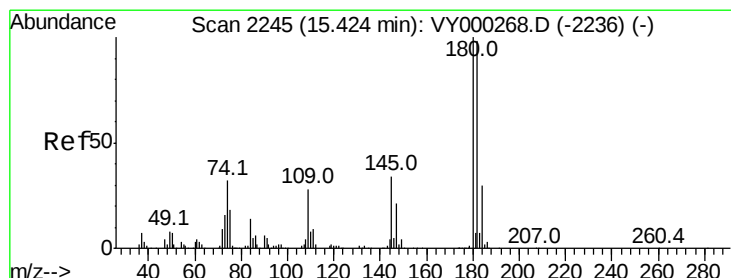
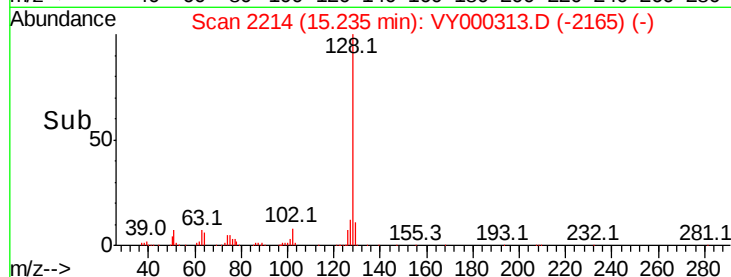
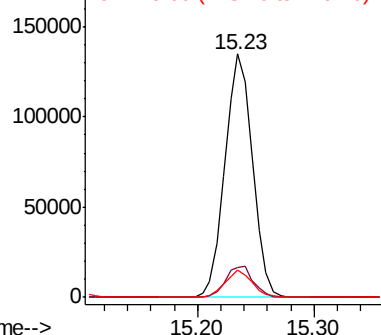


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.060 ug/l

RT: 15.42 min Scan# 2245

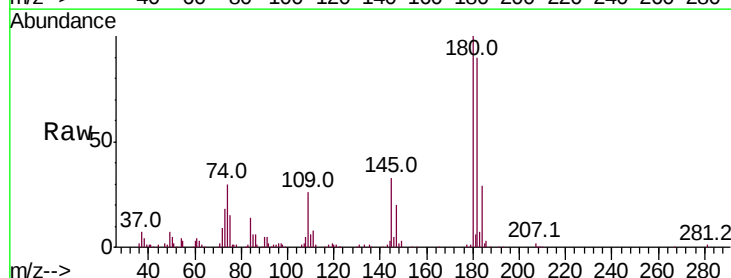
Delta R.T. -0.00 min

Lab File: VY000313.D

Acq: 15 Oct 2019 12:32

Tgt Ion:180 Resp: 88600

Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.5	139.5
145	32.6	16.2	48.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

