

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000834.D
 Acq On : 03 Dec 2019 11:37
 Operator : SY/MD
 Sample : VY1203SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 12:03:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	337765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	581342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	517434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	238722	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	185034	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.72	113	175765	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
50) Toluene-d8	10.18	98	735619	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.48	95	250518	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	69649	19.156	ug/l	96
3) Chloromethane	2.12	50	94254	21.030	ug/l	97
4) Vinyl Chloride	2.25	62	87083	19.715	ug/l	96
5) Bromomethane	2.64	94	53761	18.668	ug/l	94
6) Chloroethane	2.79	64	53898	19.902	ug/l	94
7) Trichlorofluoromethane	3.13	101	125508	20.733	ug/l	95
8) Diethyl Ether	3.53	74	46754	20.521	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	77823	20.818	ug/l	98
10) Methyl Iodide	4.09	142	95274	20.242	ug/l	100
11) Tert butyl alcohol	4.96	59	34596	95.811	ug/l #	86
12) 1,1-Dichloroethene	3.87	96	75756	20.456	ug/l	98
13) Acrolein	3.74	56	38069	107.028	ug/l	99
14) Allyl chloride	4.48	41	128908	20.300	ug/l	98
15) Acrylonitrile	5.18	53	119538	101.605	ug/l	100
16) Acetone	3.95	43	89305	108.469	ug/l	98
17) Carbon Disulfide	4.19	76	242615	20.255	ug/l	99
18) Methyl Acetate	4.48	43	69223	20.108	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	202053	20.429	ug/l	98
20) Methylene Chloride	4.72	84	92769	21.376	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	87389	20.761	ug/l	97
22) Diisopropyl ether	6.13	45	265238	20.323	ug/l	96
23) Vinyl Acetate	6.07	43	820337	103.390	ug/l	99
24) 1,1-Dichloroethane	6.03	63	145286	20.197	ug/l	98
25) 2-Butanone	7.00	43	148842	97.865	ug/l	94
26) 2,2-Dichloropropane	6.99	77	119797	19.787	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	96032	21.105	ug/l	96
28) Bromochloromethane	7.34	49	34580	14.598	ug/l	96
29) Tetrahydrofuran	7.36	42	104052	103.244	ug/l	99
30) Chloroform	7.52	83	139764	19.368	ug/l	98
31) Cyclohexane	7.78	56	150224	19.714	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	120711	20.258	ug/l	98
36) 1,1-Dichloropropene	7.92	75	118079	20.428	ug/l	97
37) Ethyl Acetate	7.08	43	65432	19.604	ug/l	98
38) Carbon Tetrachloride	7.91	117	104708	20.341	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	151834	19.826	ug/l	98
40) Benzene	8.17	78	346233	20.564	ug/l	97
41) Methacrylonitrile	7.35	41	89837	51.070	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	89915	20.306	ug/l	99
43) Isopropyl Acetate	8.28	43	123821	19.686	ug/l	99
44) Trichloroethene	8.94	130	91440	21.132	ug/l	93
45) 1,2-Dichloropropane	9.22	63	87876	20.779	ug/l	95
46) Dibromomethane	9.31	93	44525	20.150	ug/l	98
47) Bromodichloromethane	9.50	83	104991	20.226	ug/l	98
48) Methyl methacrylate	9.30	41	53428	19.318	ug/l	93
49) 1,4-Dioxane	9.30	88	13347	426.289	ug/l #	96
51) 4-Methyl-2-Pentanone	10.07	43	328260	101.012	ug/l	99
52) Toluene	10.24	92	214739	20.599	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	116142	20.825	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	135489	20.554	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	67259	20.602	ug/l	99
56) Ethyl methacrylate	10.51	69	94767	20.292	ug/l	98
57) 1,3-Dichloropropane	10.79	76	118867	20.891	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	203763	108.206	ug/l	99
59) 2-Hexanone	10.83	43	231726	97.857	ug/l	98
60) Dibromochloromethane	10.99	129	70467	20.051	ug/l	99
61) 1,2-Dibromoethane	11.09	107	61835	20.097	ug/l	99
64) Tetrachloroethene	10.72	164	94708	21.067	ug/l	97
65) Chlorobenzene	11.52	112	218048	20.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	73146	20.180	ug/l	98
67) Ethyl Benzene	11.59	91	413668	20.651	ug/l	100
68) m/p-Xylenes	11.70	106	301751	40.134	ug/l	99
69) o-Xylene	12.03	106	146025	20.830	ug/l	98
70) Styrene	12.04	104	245997	20.493	ug/l	100
71) Bromoform	12.20	173	40425	19.774	ug/l #	98
73) Isopropylbenzene	12.33	105	385211	20.266	ug/l	100
74) N-amyl acetate	12.14	43	104785	19.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	72552	19.372	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	106440	39.354	ug/l #	100
77) Bromobenzene	12.61	156	82918	20.125	ug/l	97
78) n-propylbenzene	12.67	91	466287	20.091	ug/l	99
79) 2-Chlorotoluene	12.75	91	256916	20.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	319539	20.304	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	27613	20.054	ug/l	96
82) 4-Chlorotoluene	12.85	91	272790	20.651	ug/l	99
83) tert-Butylbenzene	13.08	119	266663	20.154	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	319188	20.272	ug/l	98
85) sec-Butylbenzene	13.25	105	394563	20.504	ug/l	99
86) p-Isopropyltoluene	13.37	119	345096	20.618	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	163547	20.235	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	163216	20.394	ug/l	97
89) n-Butylbenzene	13.70	91	345423	20.412	ug/l	100
90) Hexachloroethane	13.96	117	61294	19.880	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	149789	20.603	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13133	20.946	ug/l	97

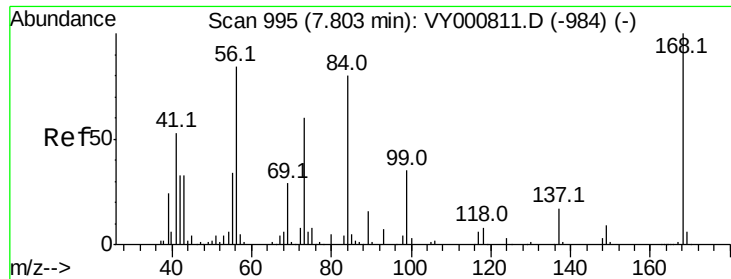
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	102411	20.817	ug/l	100
94) Hexachlorobutadiene	15.11	225	52711	21.611	ug/l	99
95) Naphthalene	15.23	128	237238	20.768	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	88470	20.133	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

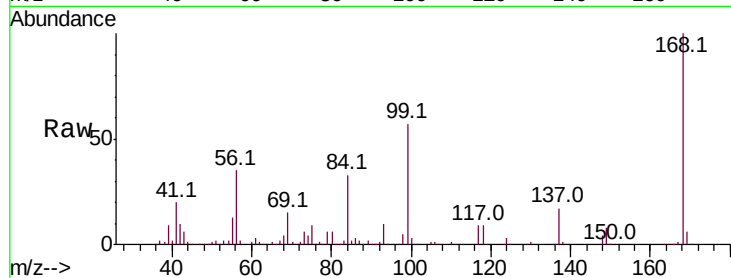
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 337765

Ion Ratio Lower Upper

168 100

99 57.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

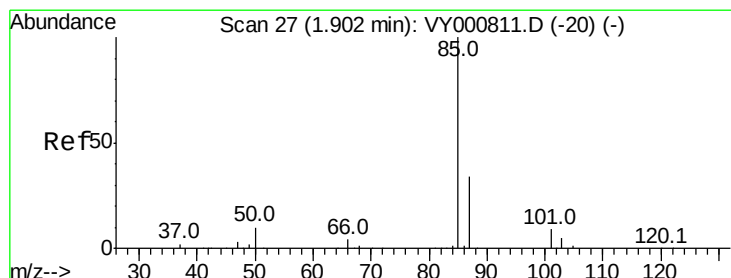
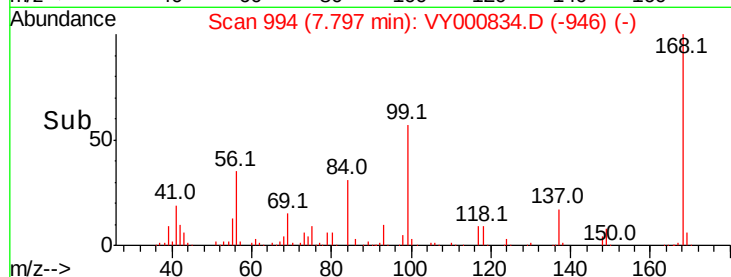
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.156 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000834.D

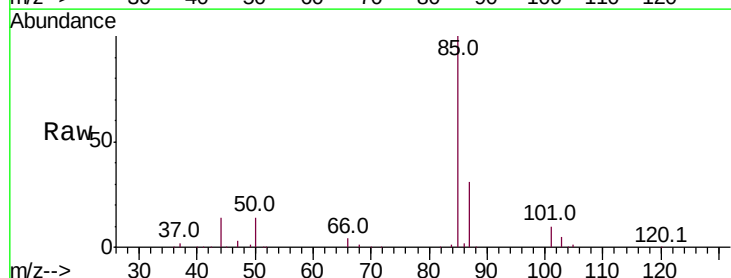
Acq: 03 Dec 2019 11:37

Tgt Ion: 85 Resp: 69649

Ion Ratio Lower Upper

85 100

87 31.2 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000811.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000811.D (-20) (-)

1.90

50000

40000

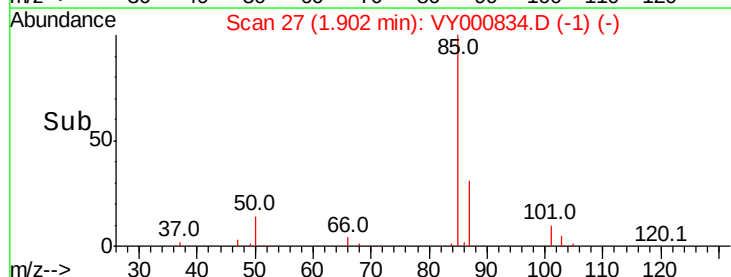
30000

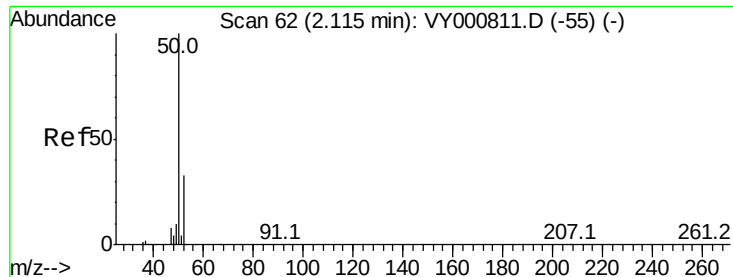
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.030 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

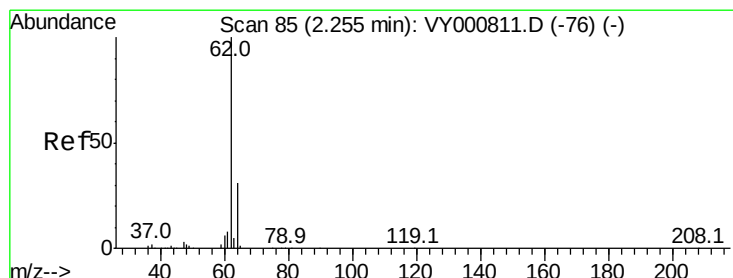
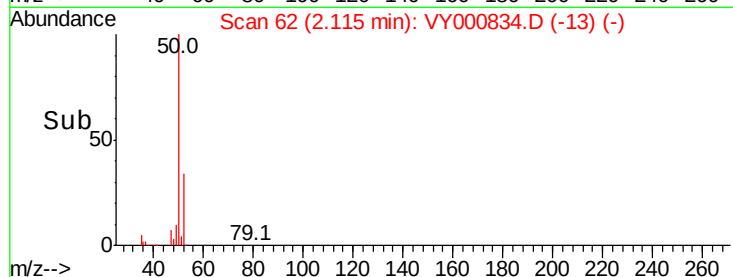
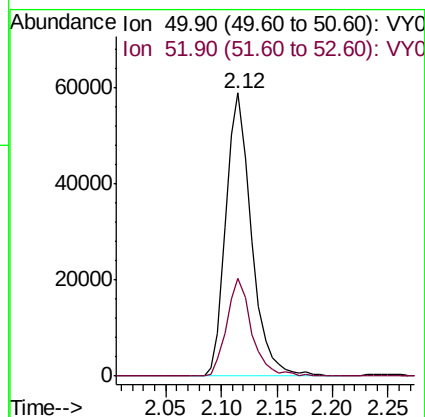
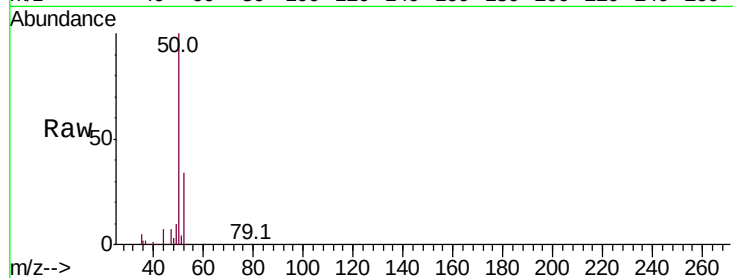
ClientSampleId :

Tot Ion: 50 Resp: 94254

Ion Ratio Lower Upper

50 100

52 34.5 26.0 39.0



#4

Vinyl Chloride

Concen: 19.715 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000834.D

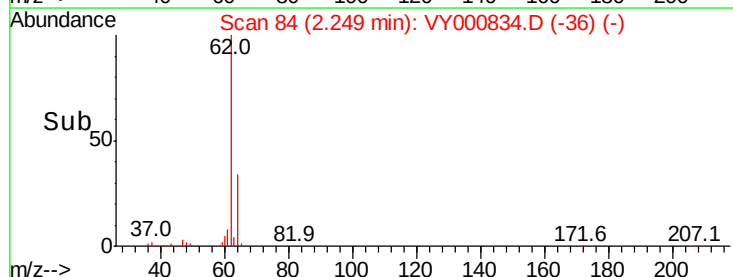
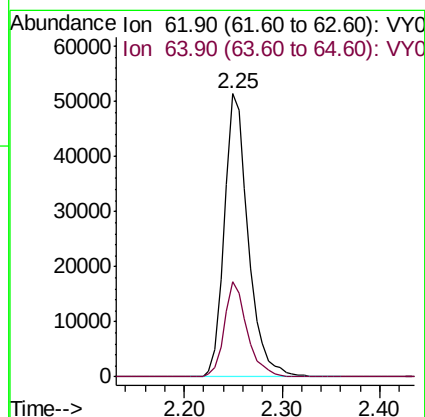
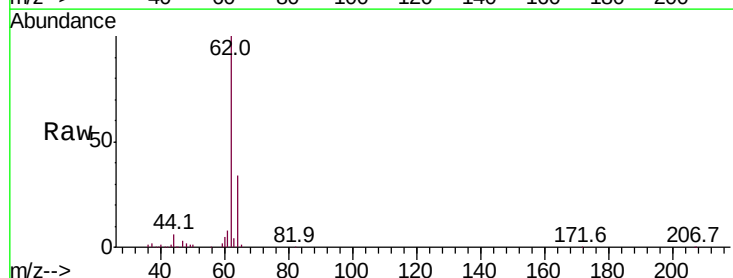
Acq: 03 Dec 2019 11:37

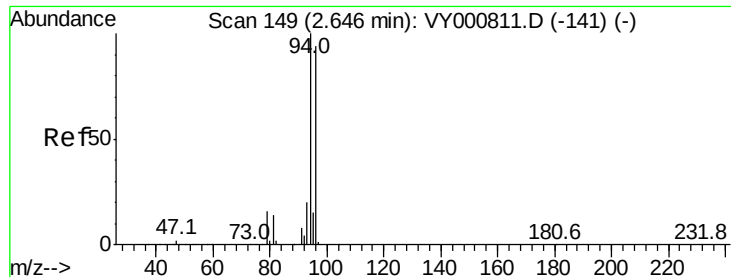
Tgt Ion: 62 Resp: 87083

Ion Ratio Lower Upper

62 100

64 33.5 25.1 37.7





#5

Bromomethane

Concen: 18.668 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

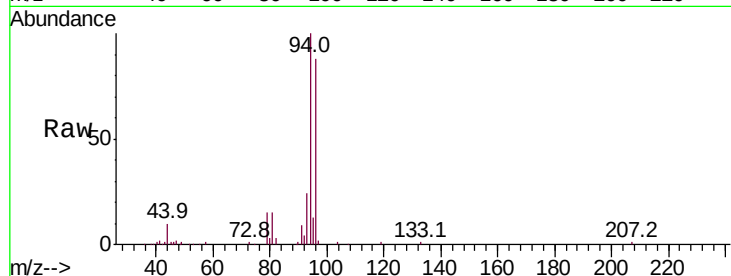
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 94 Resp: 53761

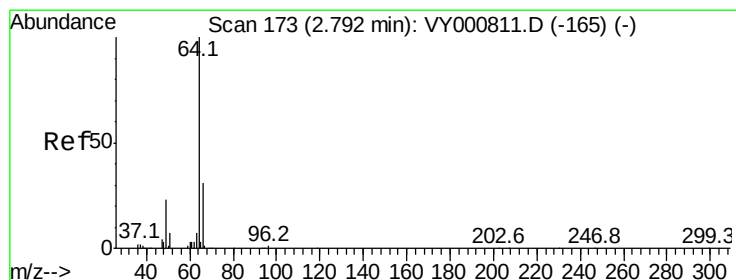
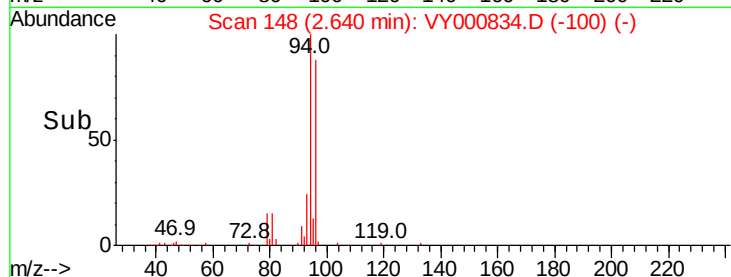
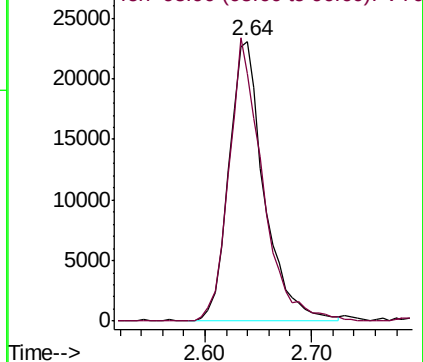
Ion Ratio Lower Upper

94 100

96 88.1 75.2 112.8



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



#6

Chloroethane

Concen: 19.902 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000834.D

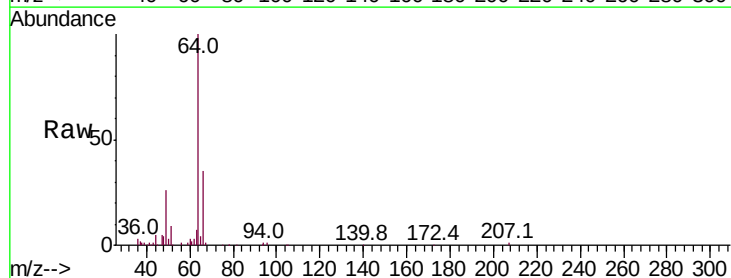
Acq: 03 Dec 2019 11:37

Tgt Ion: 64 Resp: 53898

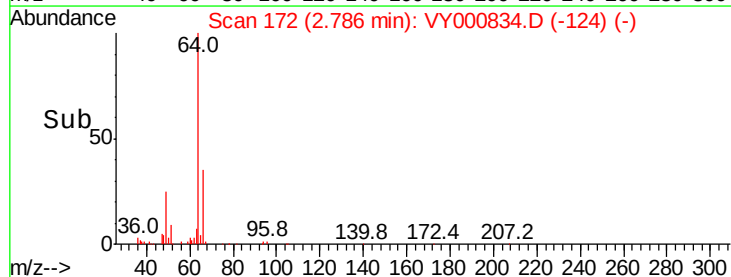
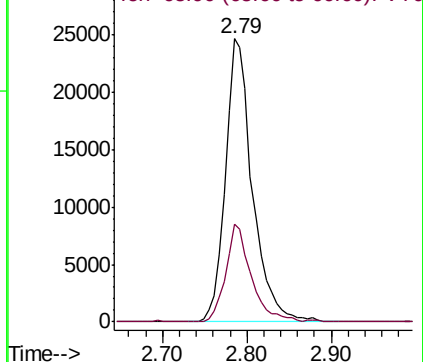
Ion Ratio Lower Upper

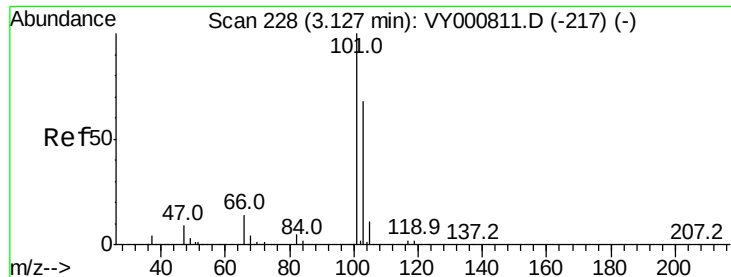
64 100

66 34.6 25.0 37.4



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



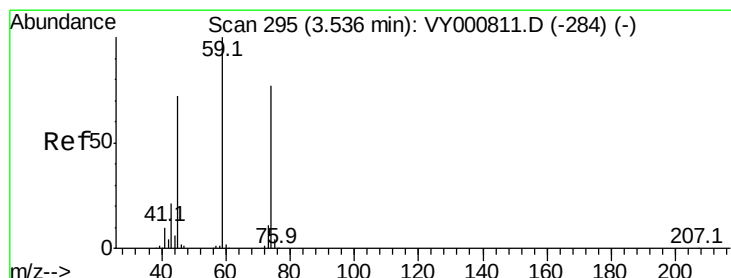
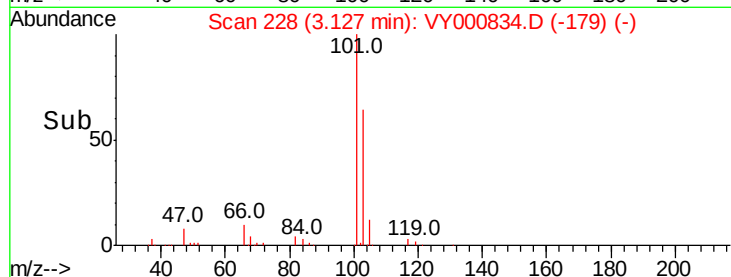
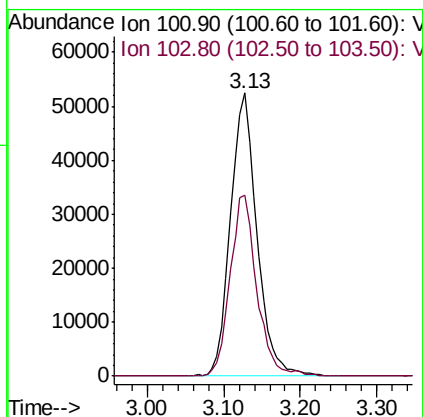
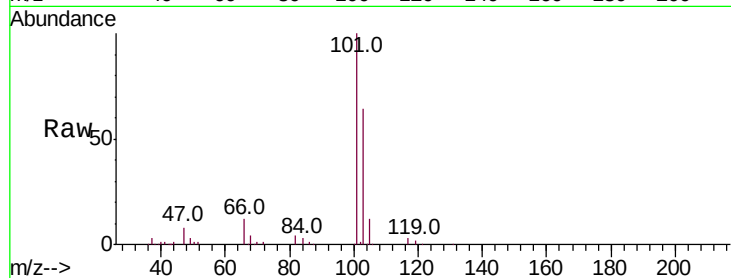


#7

Trichlorofluoromethane
Concen: 20.733 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampled :

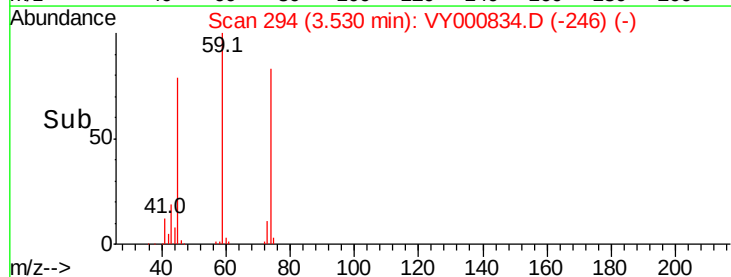
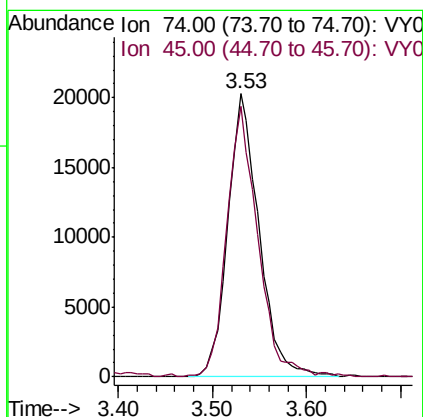
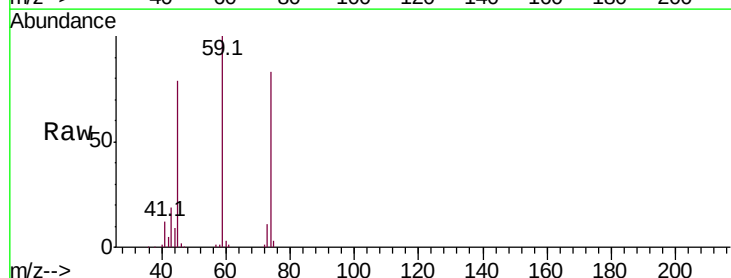
Tot Ion:101 Resp: 125508
Ion Ratio Lower Upper
101 100
103 63.8 54.2 81.2

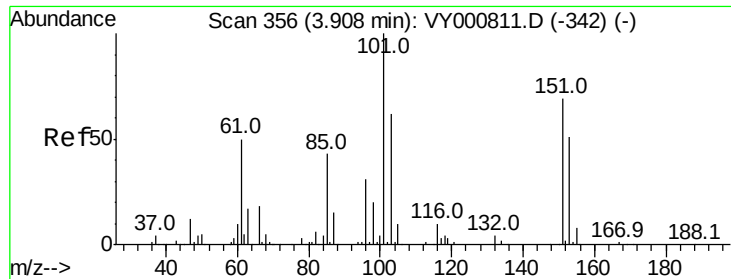


#8

Diethyl Ether
Concen: 20.521 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 74 Resp: 46754
Ion Ratio Lower Upper
74 100
45 95.5 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.818 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampleId :

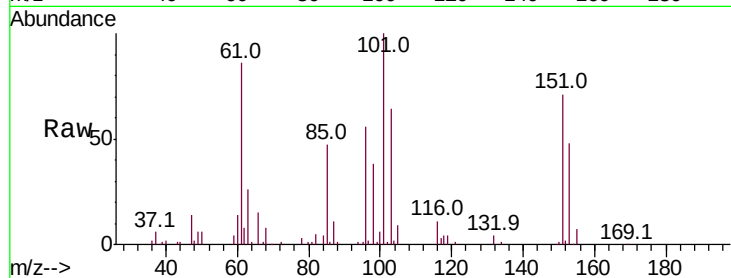
Tot Ion:101 Resp: 77823

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

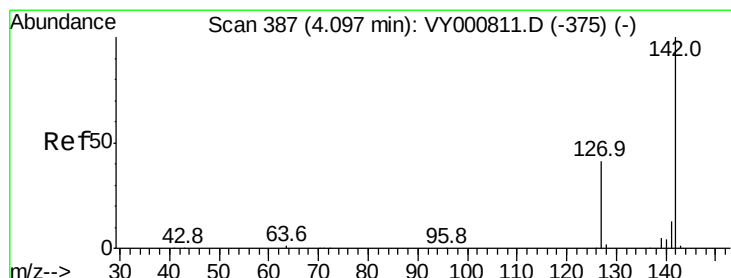
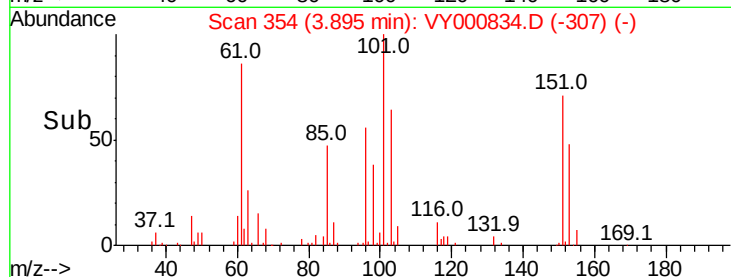
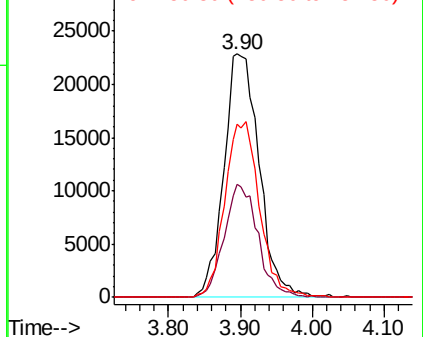
151 71.0 58.2 87.2



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: 20.242 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

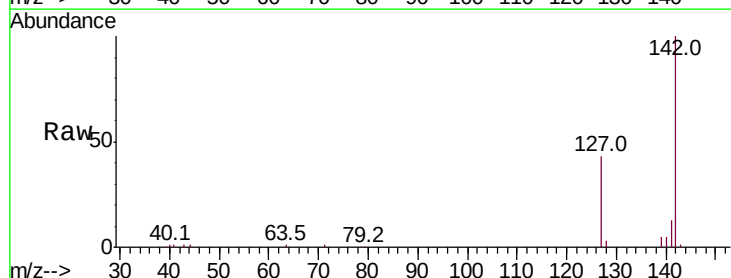
Tgt Ion:142 Resp: 95274

Ion Ratio Lower Upper

142 100

127 42.2 33.8 50.8

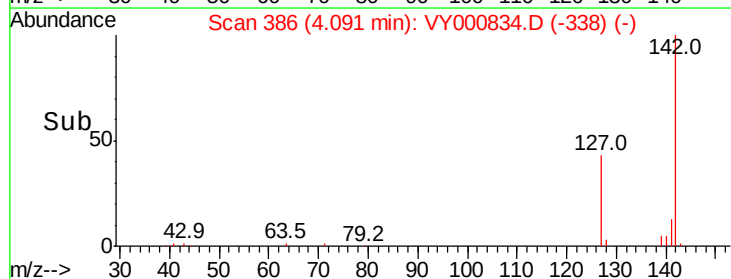
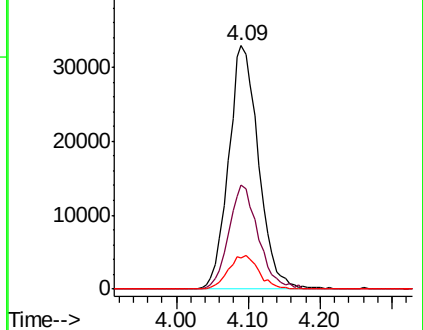
141 14.1 10.9 16.3

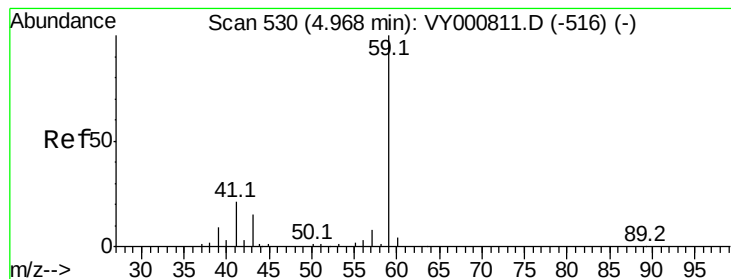


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



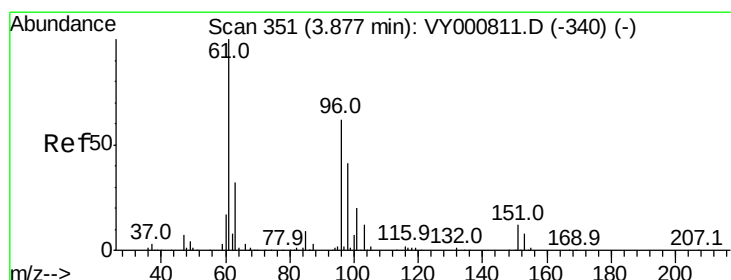
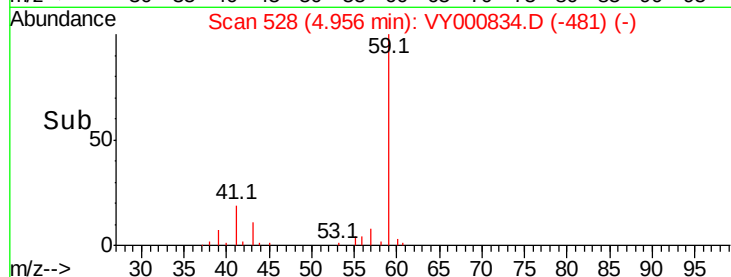
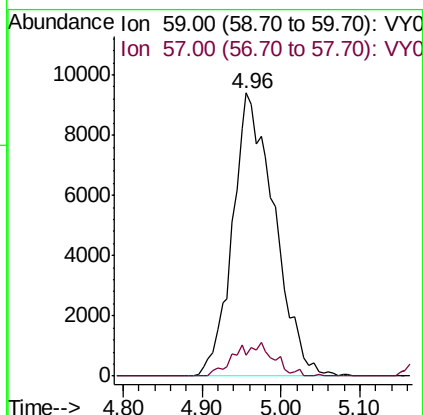
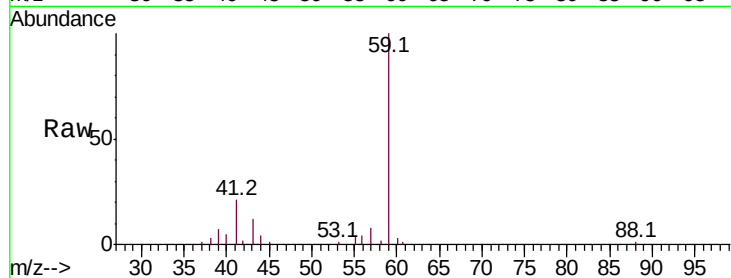


#11

Tert butyl alcohol
Concen: 95.811 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampled :

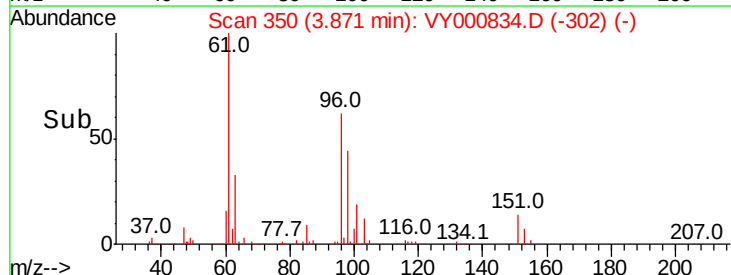
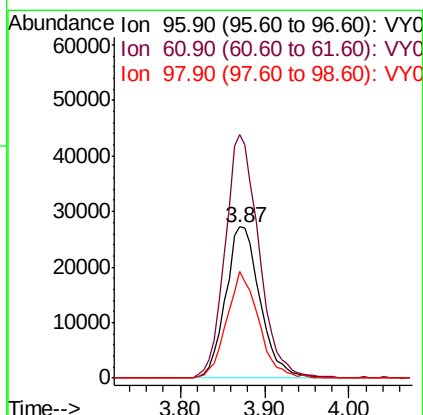
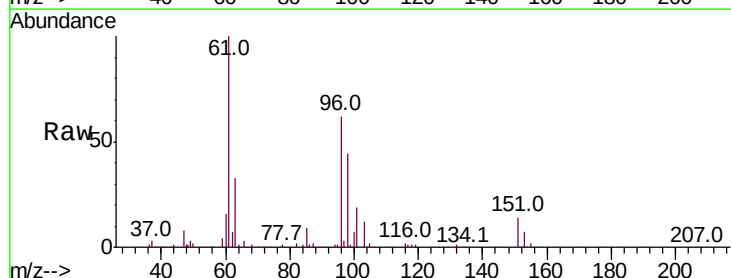
Tot Ion: 59 Resp: 34596
Ion Ratio Lower Upper
59 100
57 4.4 7.8 11.6#

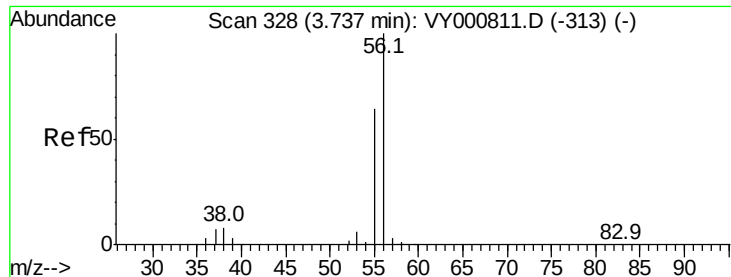


#12

1,1-Dichloroethene
Concen: 20.456 ug/l
RT: 3.87 min Scan# 350
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 96 Resp: 75756
Ion Ratio Lower Upper
96 100
61 161.1 129.4 194.2
98 70.3 53.4 80.0





#13

Acrolein

Concen: 107.028 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

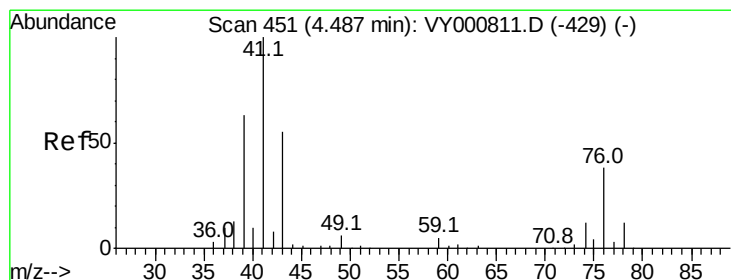
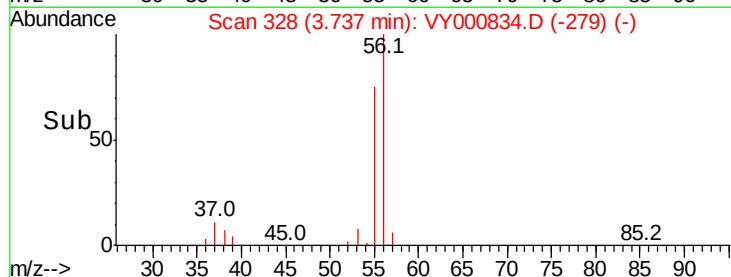
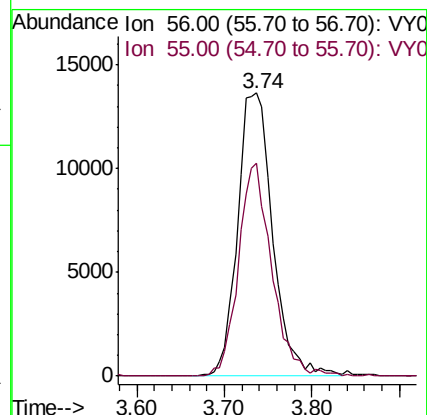
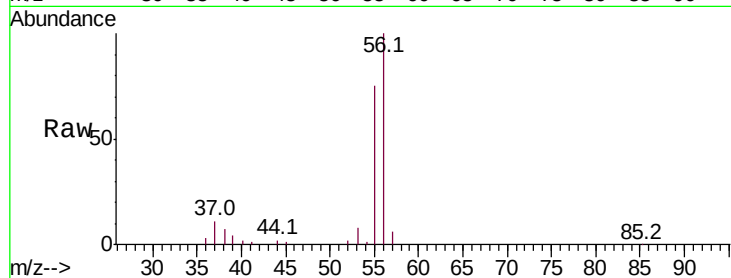
ClientSampled :

Tot Ion: 56 Resp: 38069

Ion Ratio Lower Upper

56 100

55 70.3 55.7 83.5



#14

Allyl chloride

Concen: 20.300 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

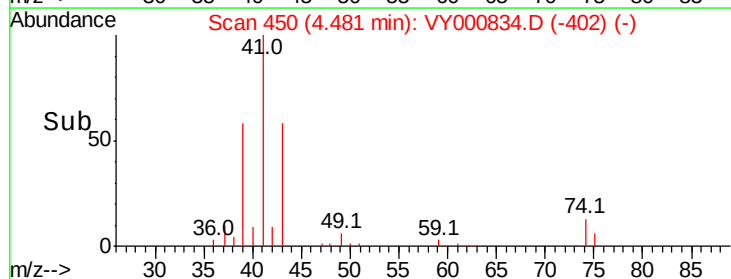
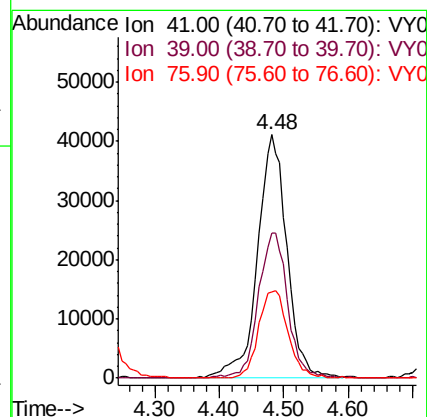
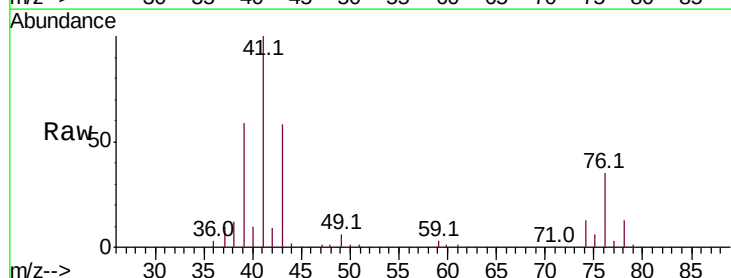
Tgt Ion: 41 Resp: 128908

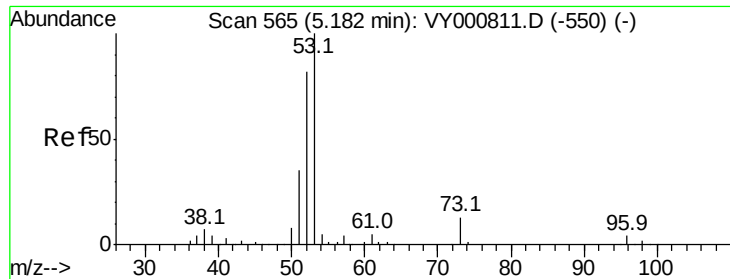
Ion Ratio Lower Upper

41 100

39 59.6 49.2 73.8

76 36.0 29.2 43.8





#15

Acrylonitrile

Concen: 101.605 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampled :

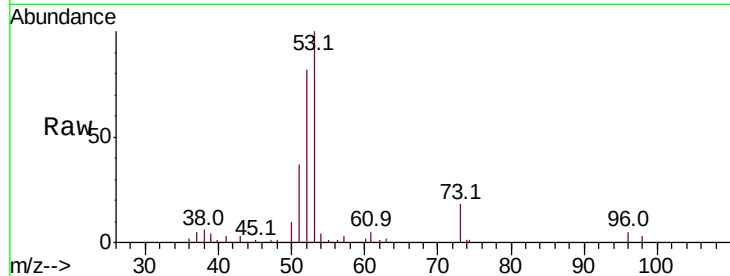
Tot Ion: 53 Resp: 119538

Ion Ratio Lower Upper

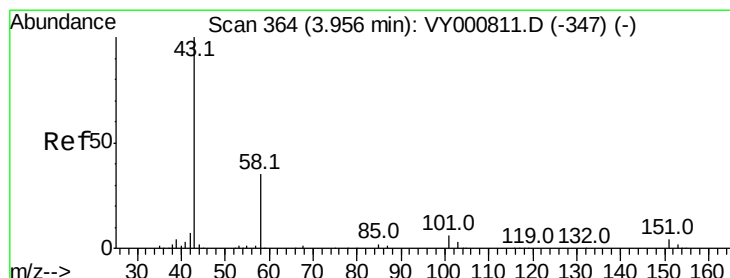
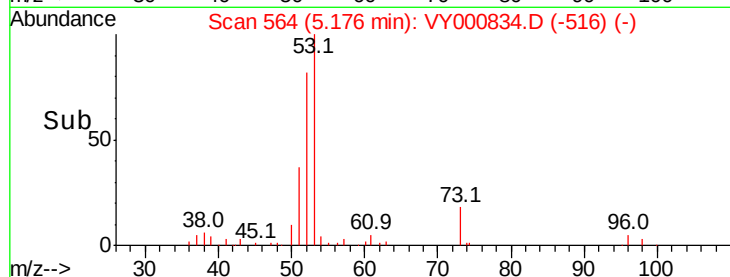
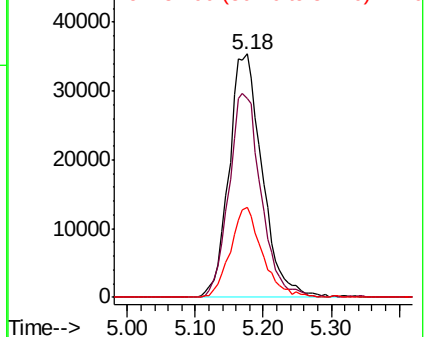
53 100

52 81.2 65.1 97.7

51 35.6 29.0 43.4



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: 108.469 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000834.D

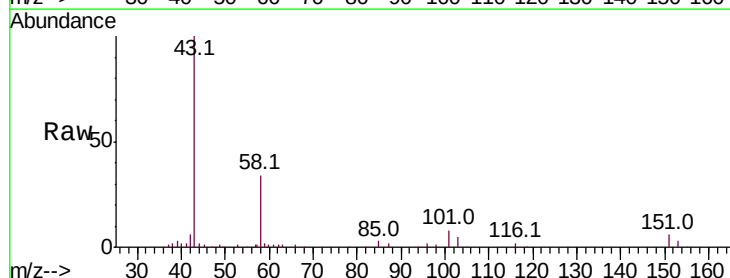
Acq: 03 Dec 2019 11:37

Tgt Ion: 43 Resp: 89305

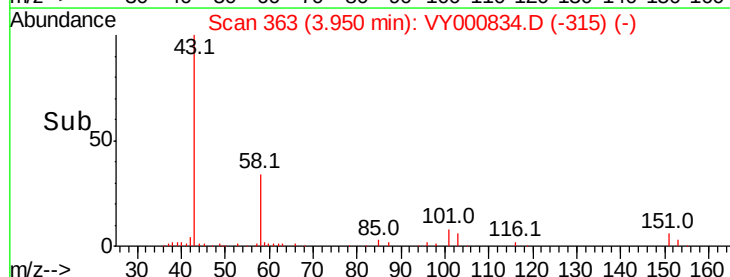
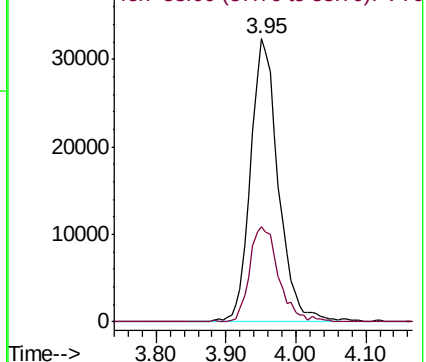
Ion Ratio Lower Upper

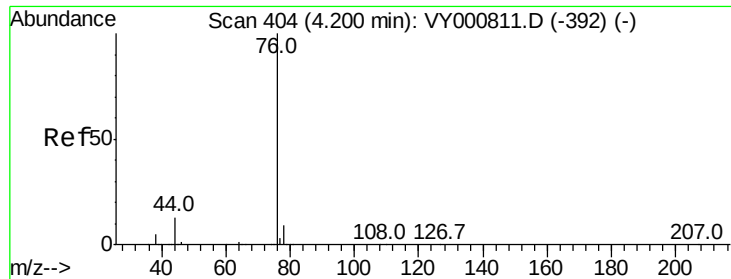
43 100

58 33.6 28.0 42.0



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

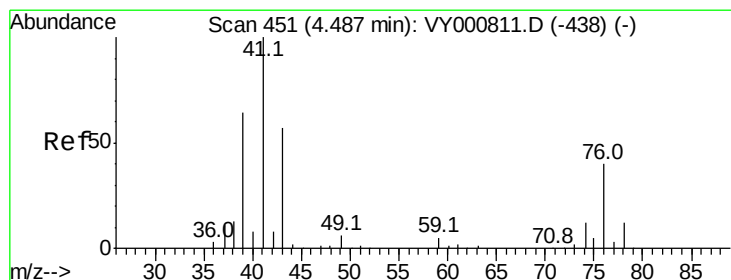
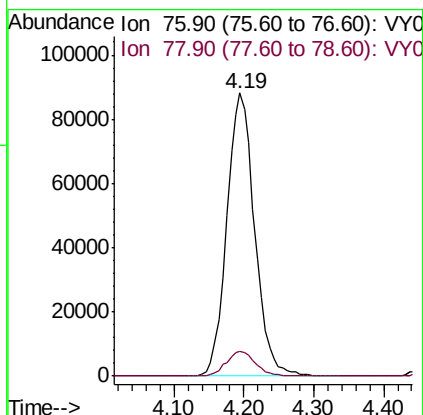
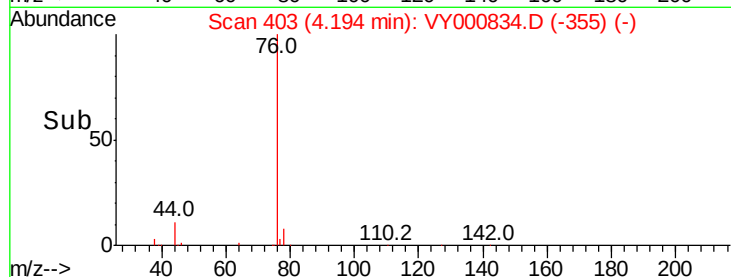
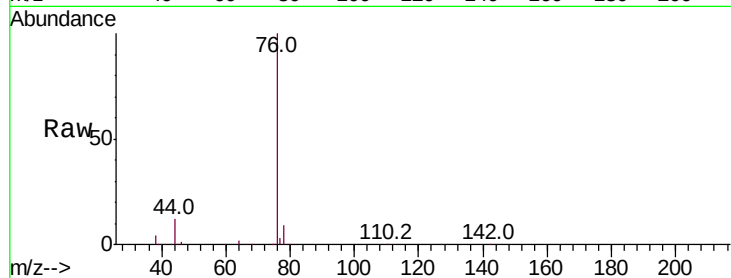




#17
Carbon Disulfide
Concen: 20.255 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

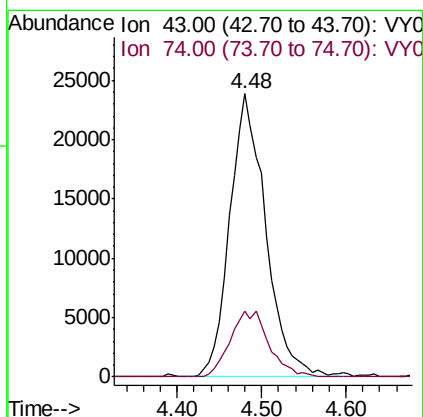
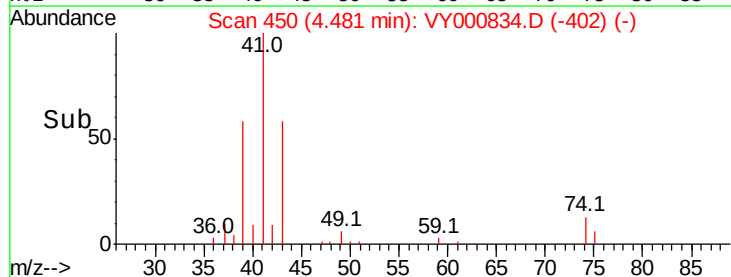
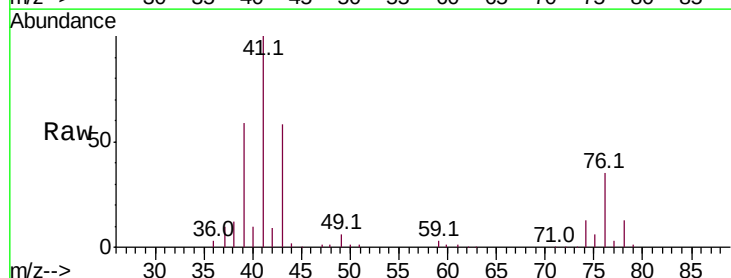
Instrument :
MSVOA_Y
ClientSampleId :

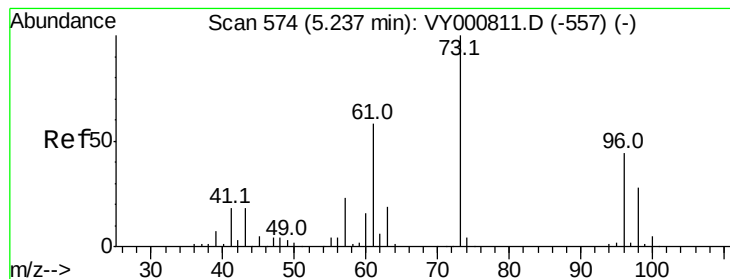
Tot Ion: 76 Resp: 242615
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 20.108 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 43 Resp: 69223
Ion Ratio Lower Upper
43 100
74 25.0 18.5 27.7



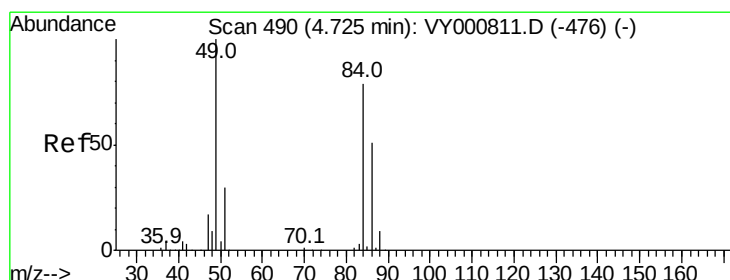
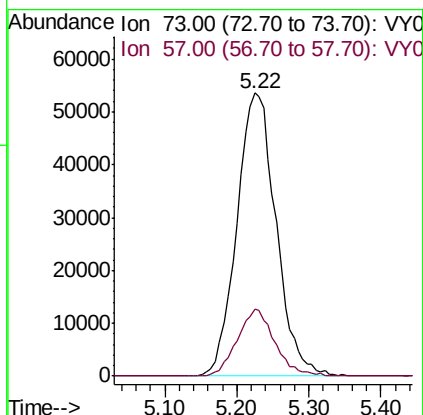
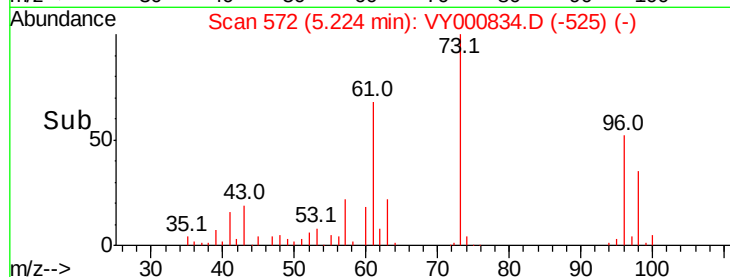
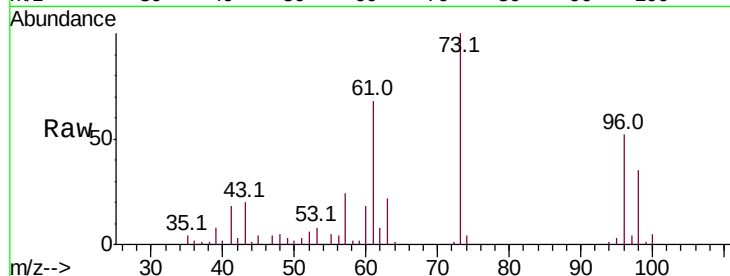


#19

Methyl tert-butyl Ether
 Concen: 20.429 ug/l
 RT: 5.22 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Instrument :
 MSVOA_Y
 ClientSampled :

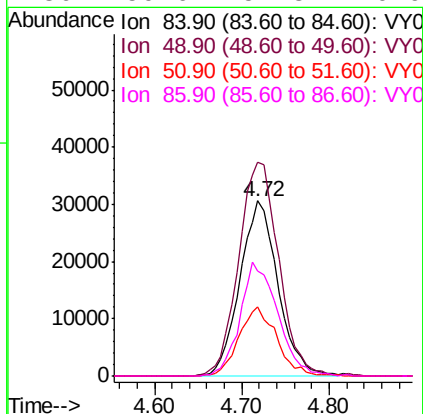
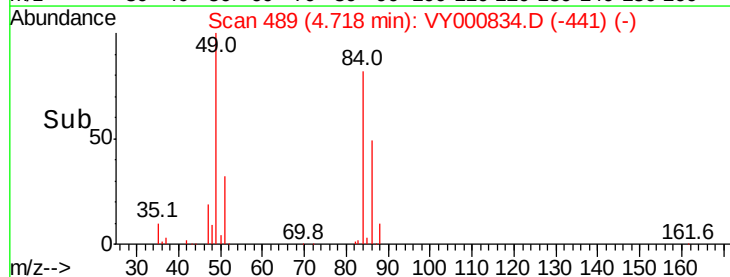
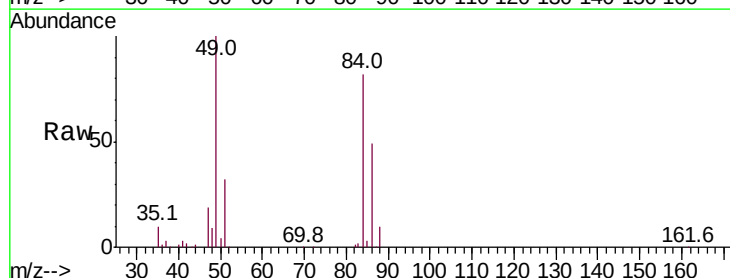
Tot Ion: 73 Resp: 202053
 Ion Ratio Lower Upper
 73 100
 57 23.9 18.2 27.4

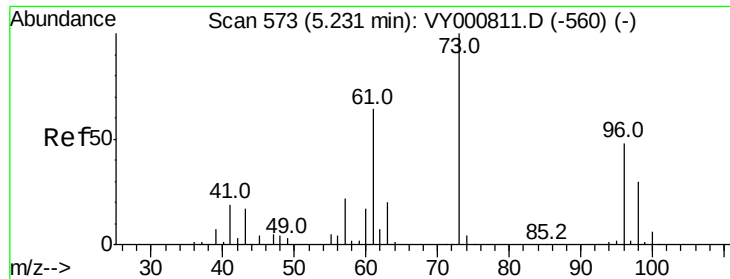


#20

Methylene Chloride
 Concen: 21.376 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion: 84 Resp: 92769
 Ion Ratio Lower Upper
 84 100
 49 122.0 101.3 151.9
 51 39.1 30.6 45.8
 86 59.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.761 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampled :

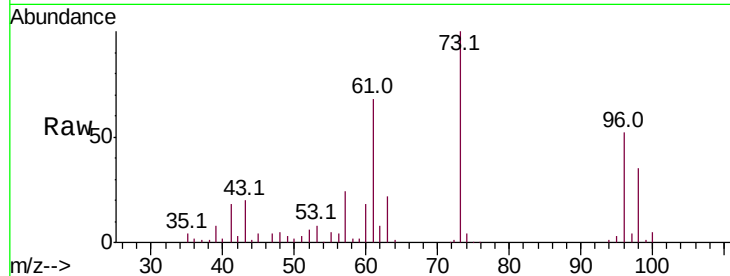
Tot Ion: 96 Resp: 87389

Ion Ratio Lower Upper

96 100

61 129.7 105.9 158.9

98 66.4 49.4 74.2

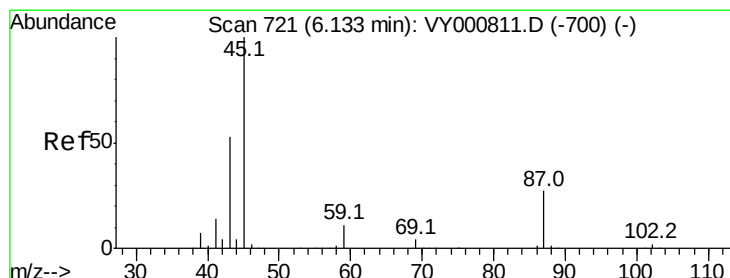
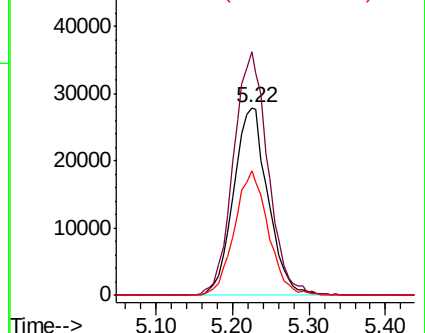
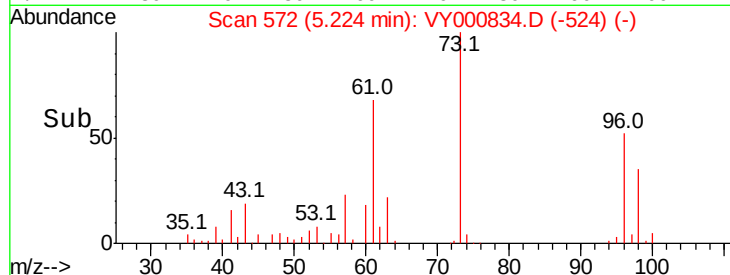


Abundance

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: 20.323 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Tgt Ion: 45 Resp: 265238

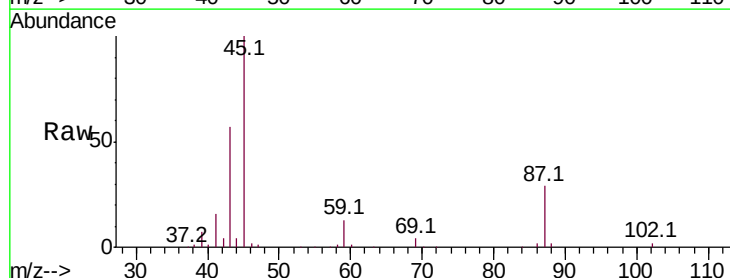
Ion Ratio Lower Upper

45 100

43 56.6 42.7 64.1

87 29.2 22.0 33.0

59 12.4 8.9 13.3



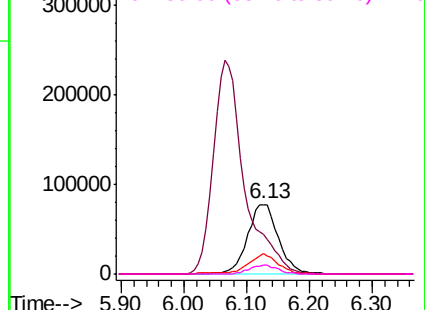
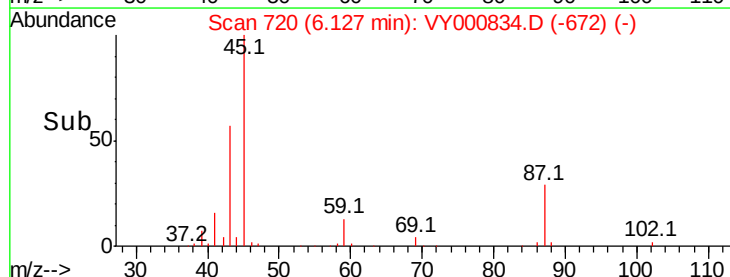
Abundance

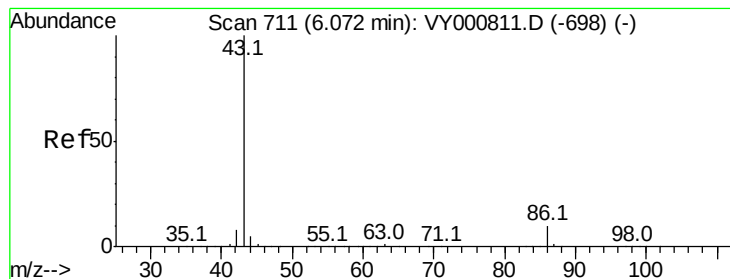
Ion 45.00 (44.70 to 45.70): VY0

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: 103.390 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

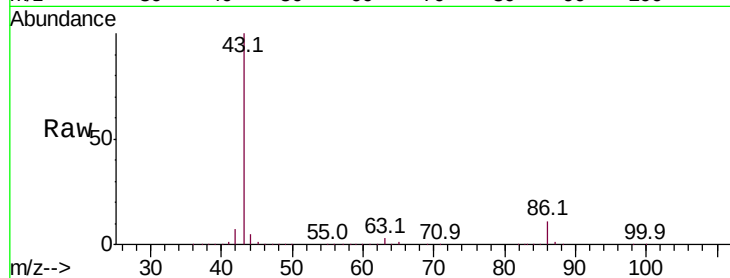
ClientSampled :

Tot Ion: 43 Resp: 820337

Ion Ratio Lower Upper

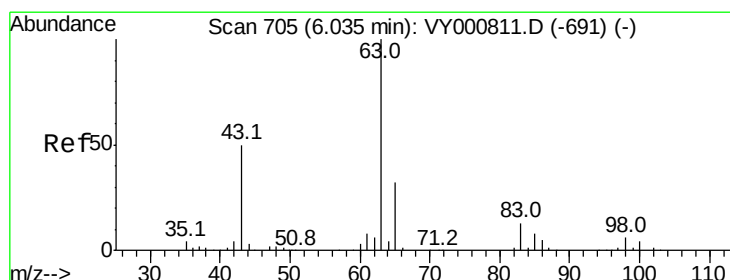
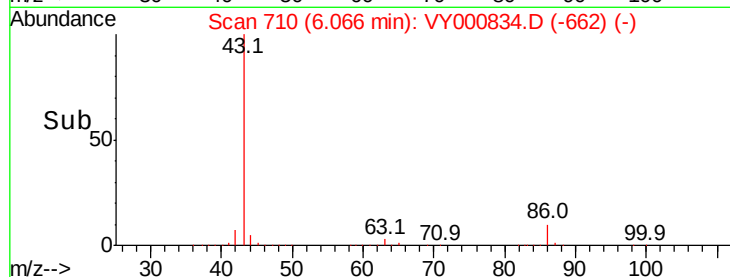
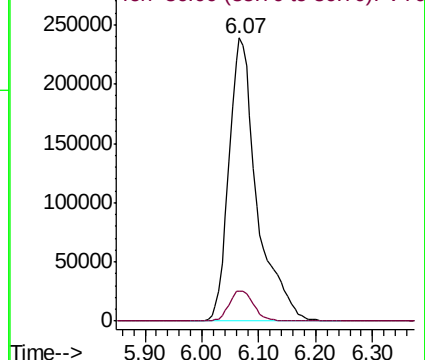
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.197 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

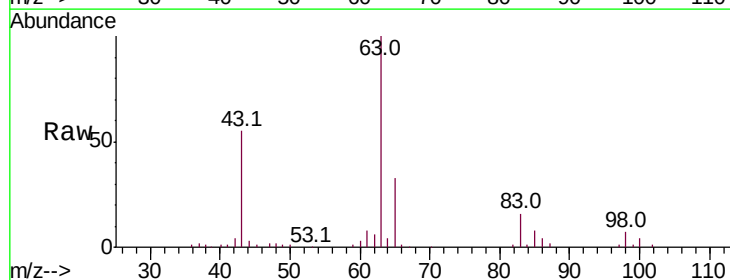
Tgt Ion: 63 Resp: 145286

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

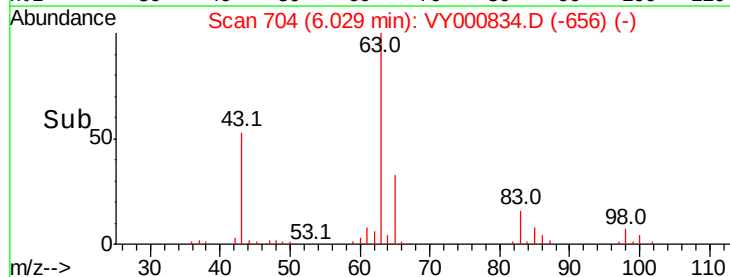
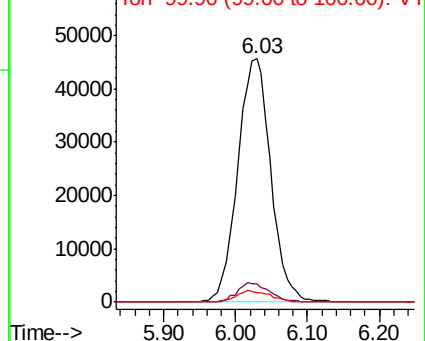
100 3.8 2.2 6.6

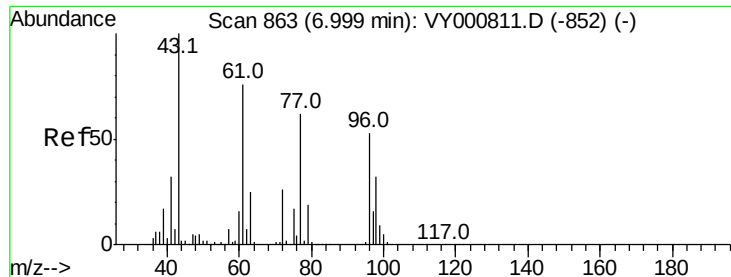


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 97.865 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

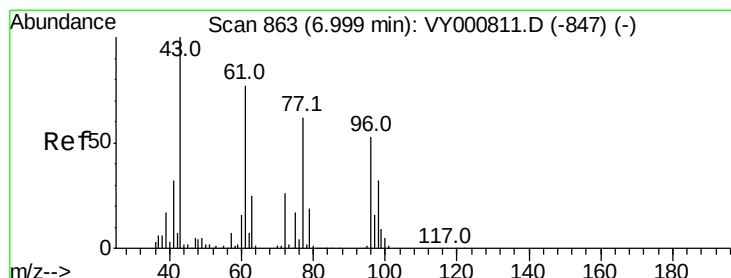
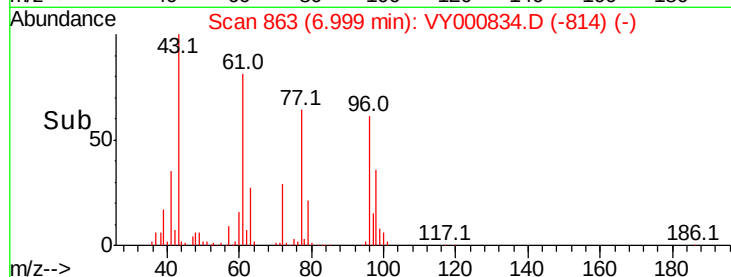
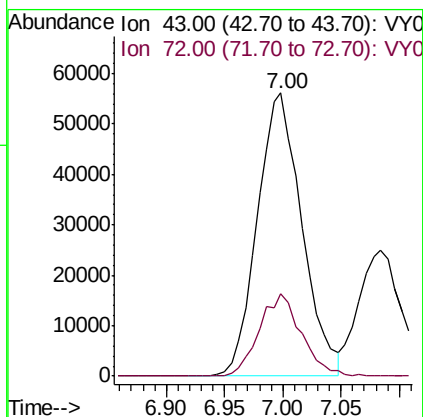
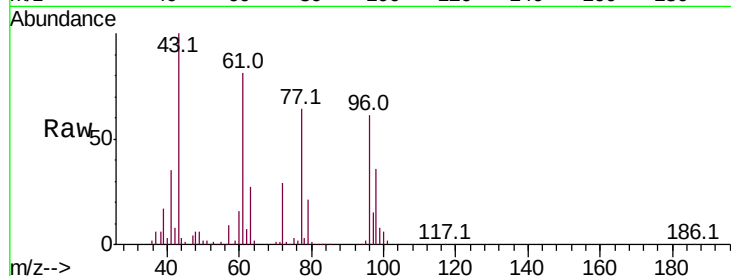
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 148842

Ion Ratio Lower Upper

43 100

72 29.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 19.787 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000834.D

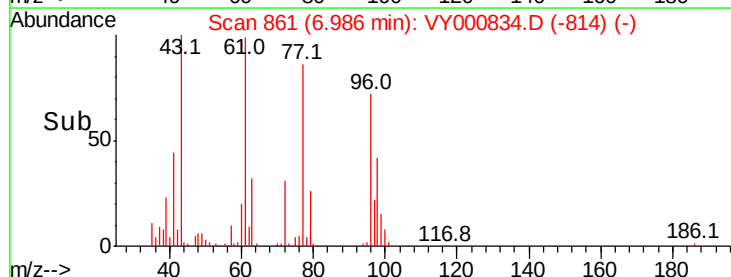
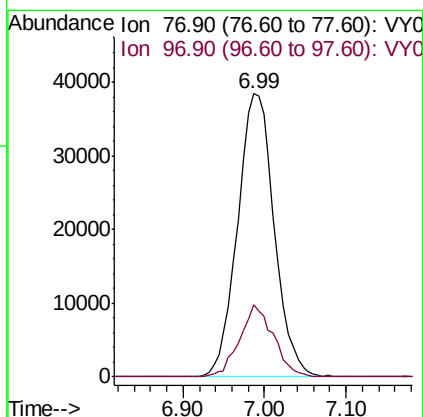
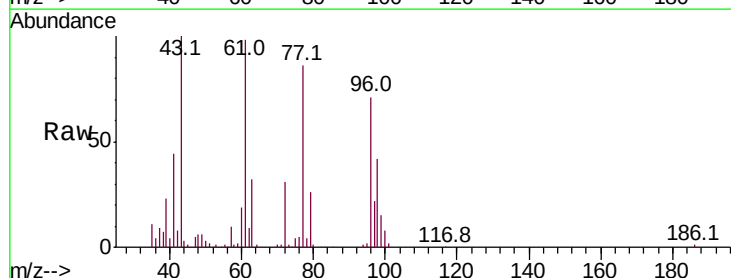
Acq: 03 Dec 2019 11:37

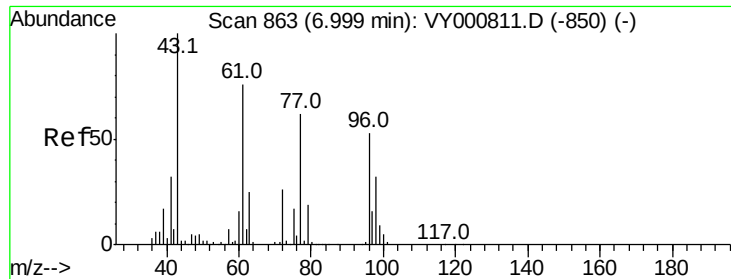
Tgt Ion: 77 Resp: 119797

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9



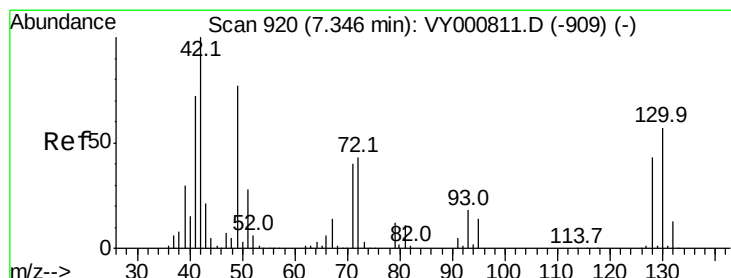
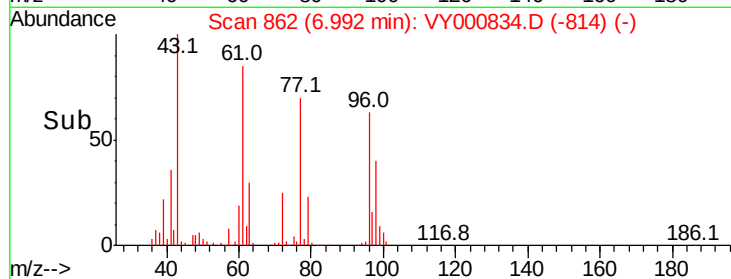
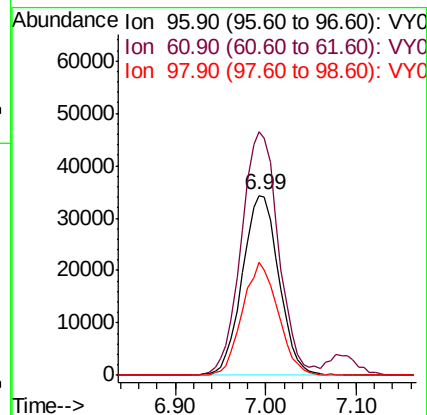
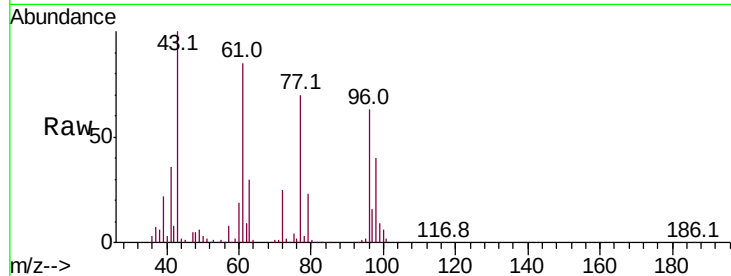


#27

cis-1,2-Dichloroethene
Concen: 21.105 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampled :

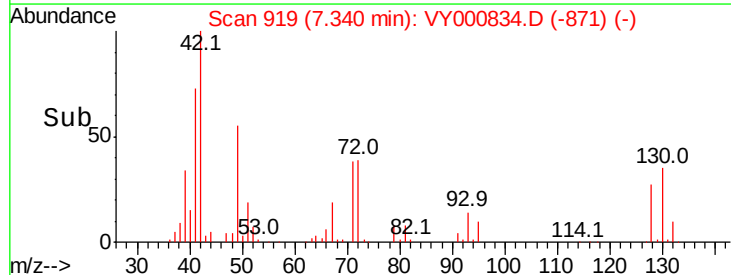
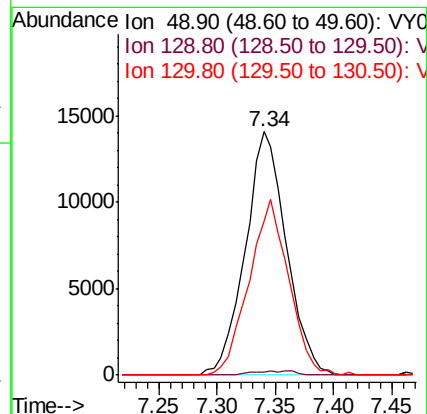
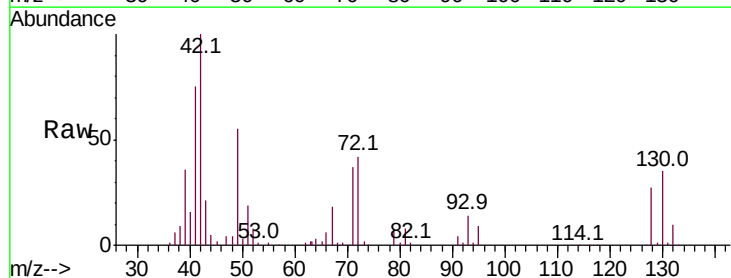
Tot Ion: 96 Resp: 96032
Ion Ratio Lower Upper
96 100
61 137.4 0.0 285.0
98 61.4 0.0 128.0

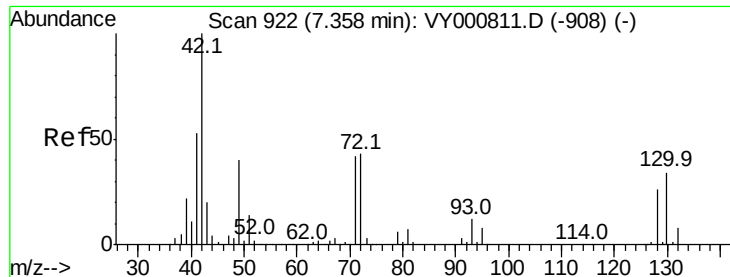


#28

Bromochloromethane
Concen: 14.598 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 49 Resp: 34580
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.8
130 69.9 58.7 88.1

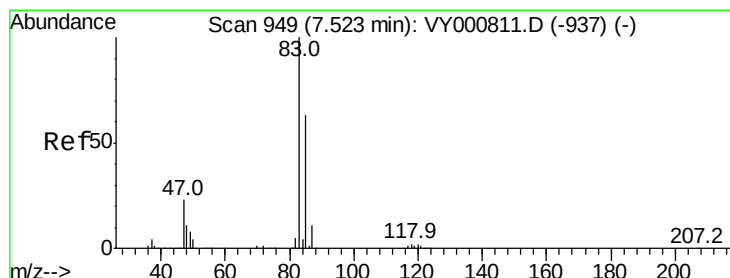
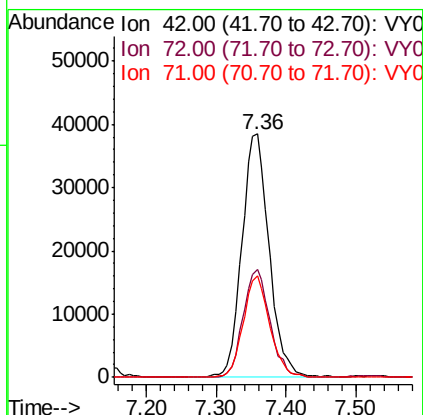
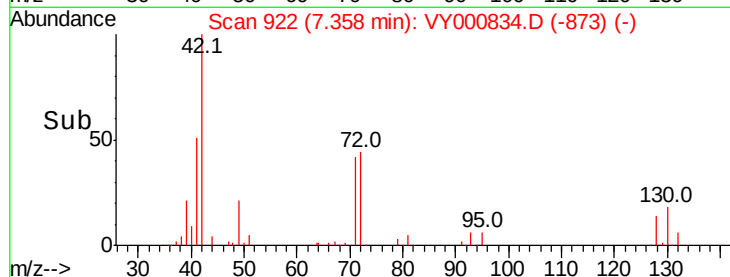
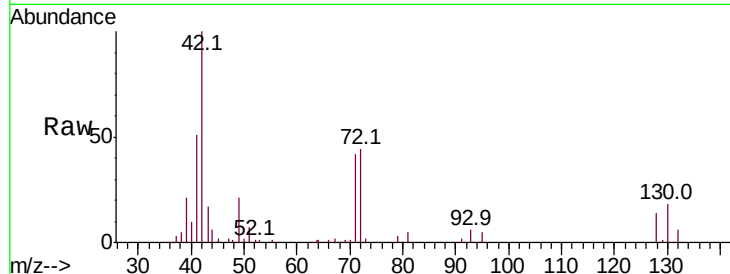




#29
Tetrahydrofuran
Concen: 103.244 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

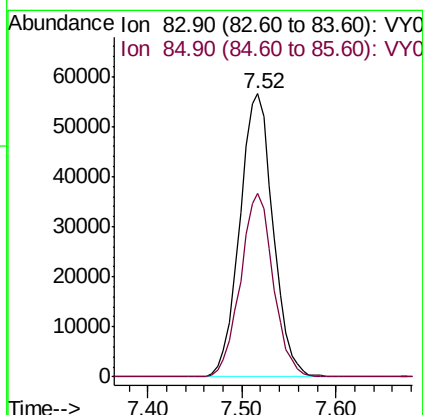
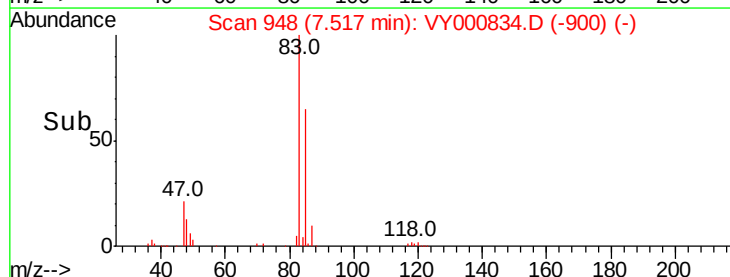
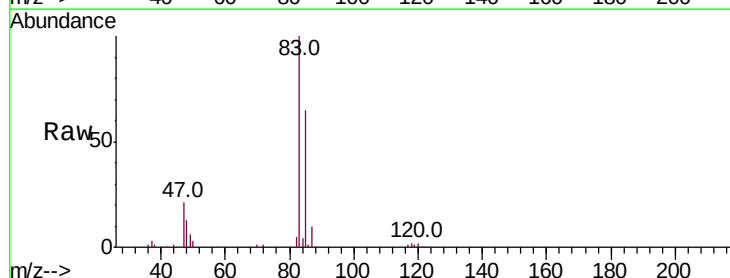
Instrument :
MSVOA_Y
ClientSampled :

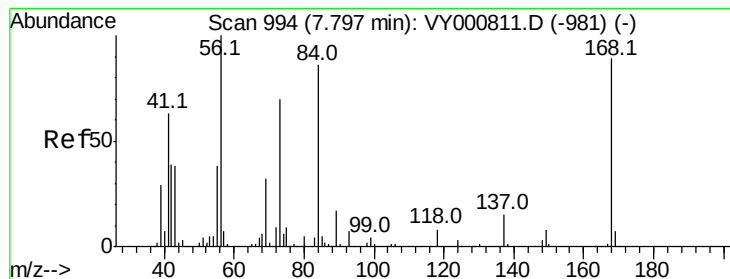
Tot Ion: 42 Resp: 104052
Ion Ratio Lower Upper
42 100
72 43.3 35.1 52.7
71 40.5 32.8 49.2



#30
Chloroform
Concen: 19.368 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 83 Resp: 139764
Ion Ratio Lower Upper
83 100
85 64.8 50.4 75.6





#31

Cyclohexane

Concen: 19.714 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampleId :

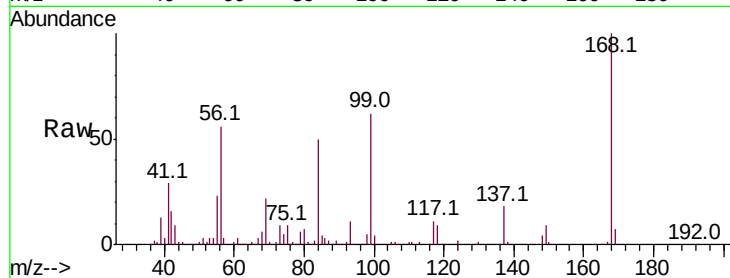
Tot Ion: 56 Resp: 150224

Ion Ratio Lower Upper

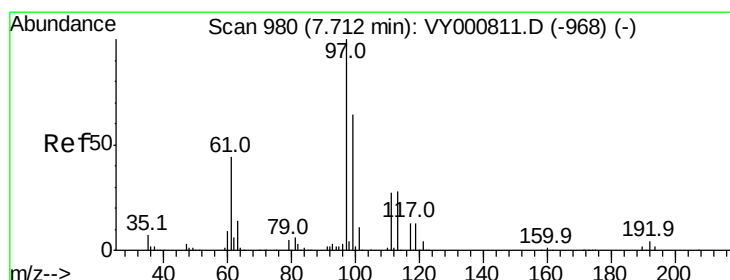
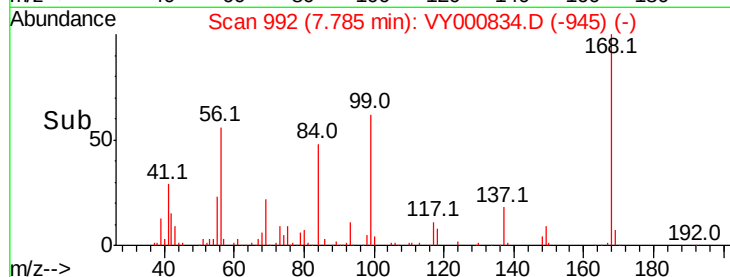
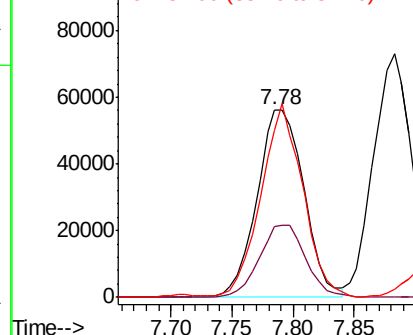
56 100

69 38.1 25.9 38.9

84 87.5 68.6 102.8



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



#32

1,1,1-Trichloroethane

Concen: 20.258 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

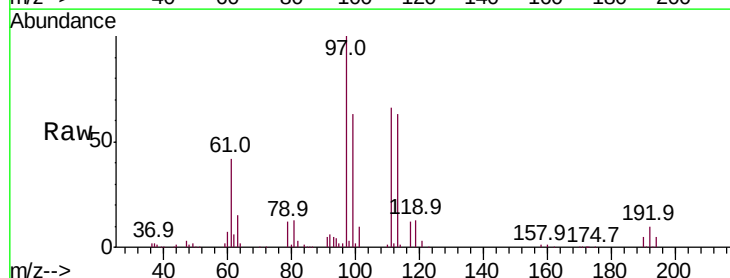
Tgt Ion: 97 Resp: 120711

Ion Ratio Lower Upper

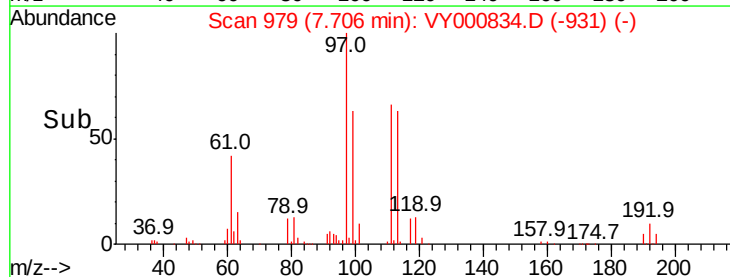
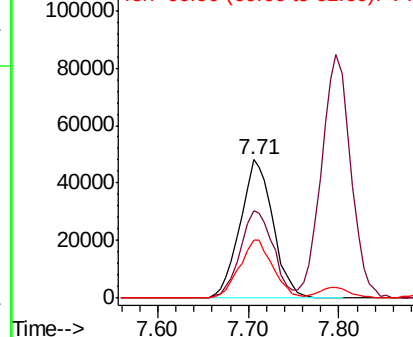
97 100

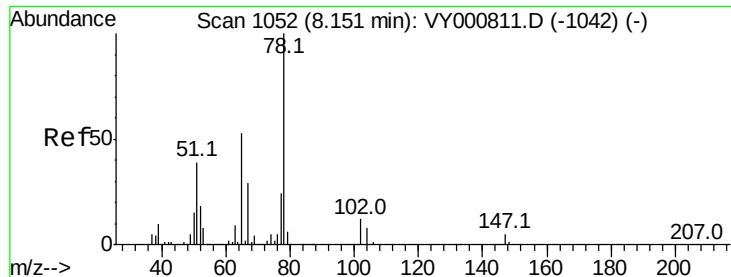
99 63.4 51.7 77.5

61 42.5 35.0 52.6



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

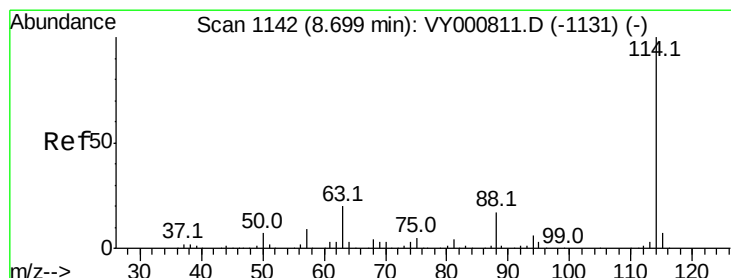
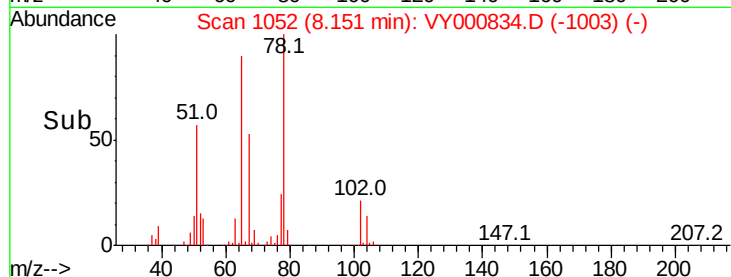
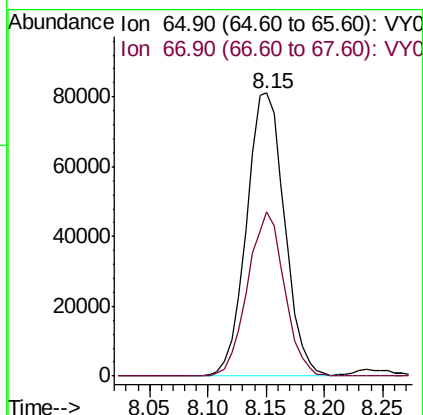
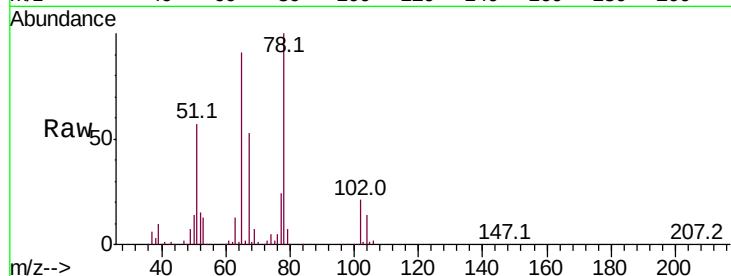




#33
 1,2-Dichloroethane-d4
 Concen: 51.555 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

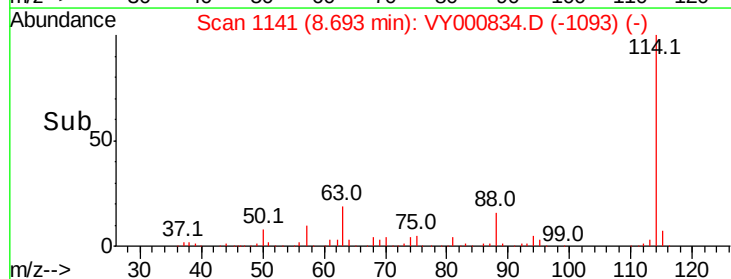
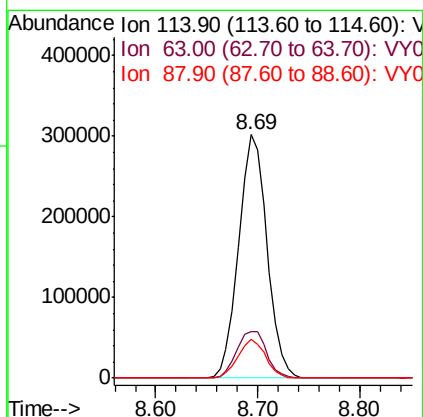
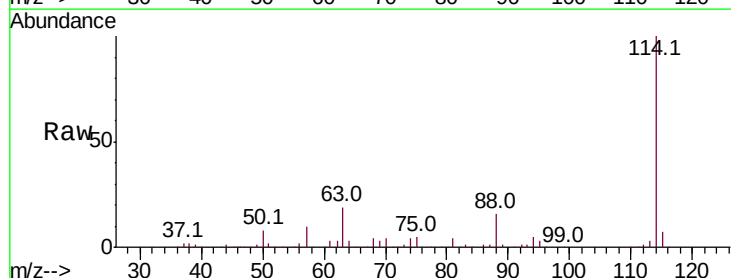
Instrument :
 MSVOA_Y
 ClientSampleId :

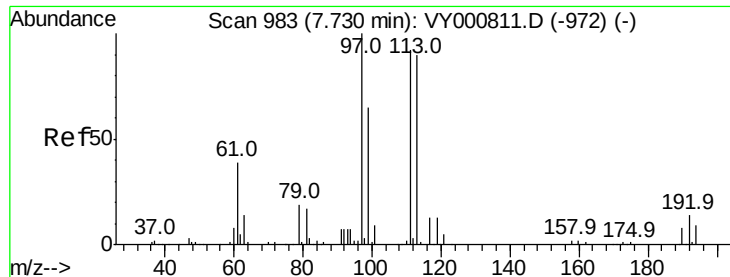
Tot Ion: 65 Resp: 185034
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion:114 Resp: 581342
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.8
 88 15.7 0.0 33.2

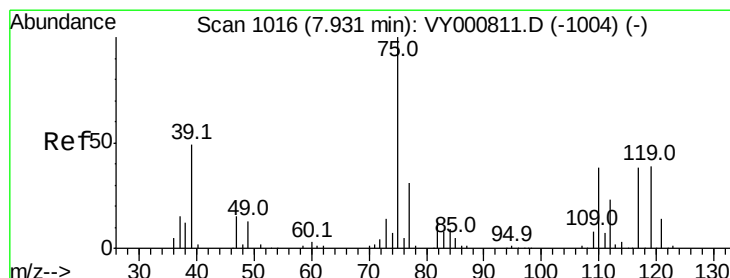
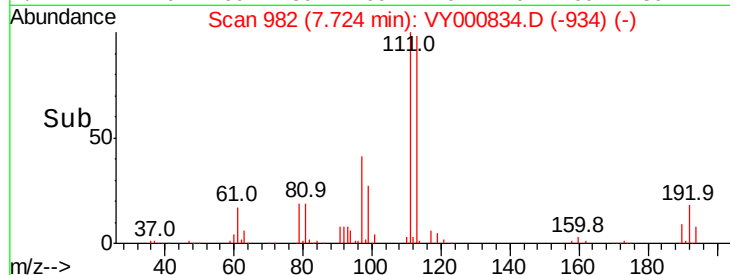
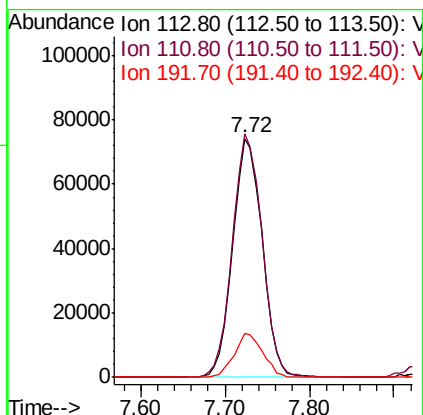
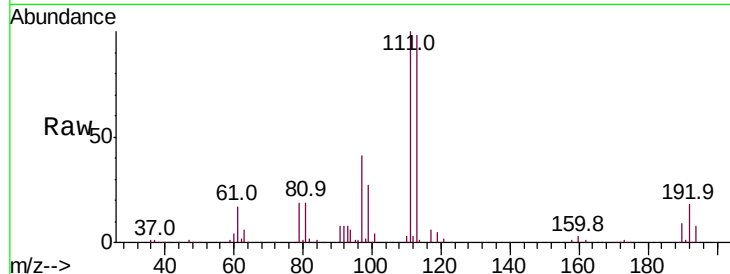




#35
 Dibromofluoromethane
 Concen: 51.878 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

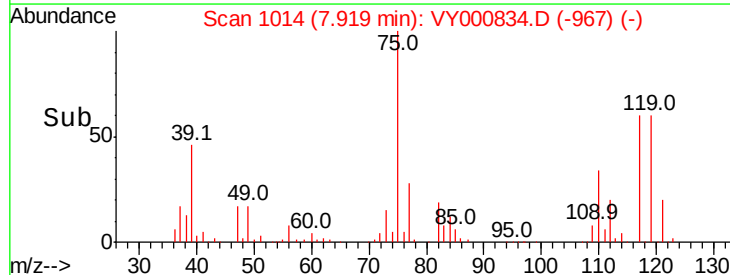
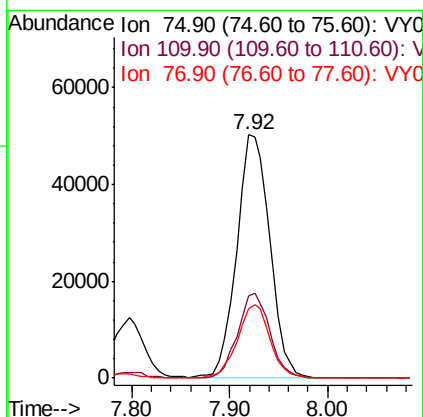
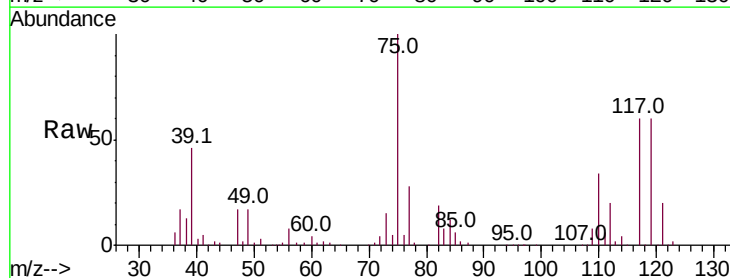
Instrument :
 MSVOA_Y
 ClientSampleId :

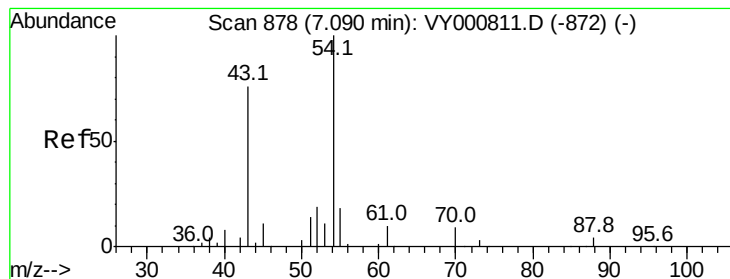
Tot Ion:113 Resp: 175765
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 17.8 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 20.428 ug/l
 RT: 7.92 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion: 75 Resp: 118079
 Ion Ratio Lower Upper
 75 100
 110 33.6 17.9 53.7
 77 29.6 24.7 37.1





#37

Ethyl Acetate

Concen: 19.604 ug/l

RT: 7.08 min Scan# 877

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampled :

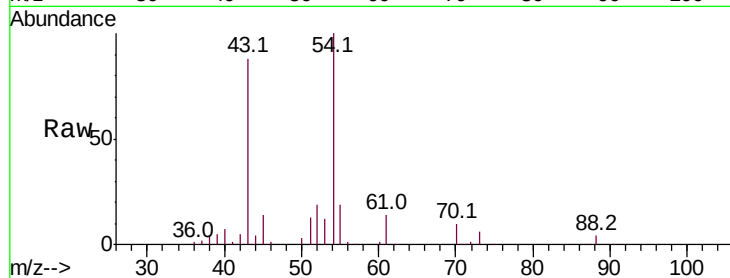
Tot Ion: 43 Resp: 65432

Ion Ratio Lower Upper

43 100

61 13.6 11.8 17.8

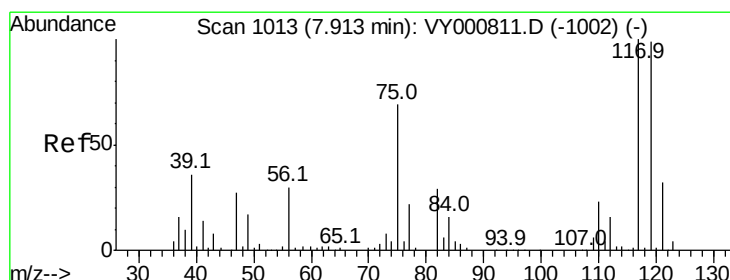
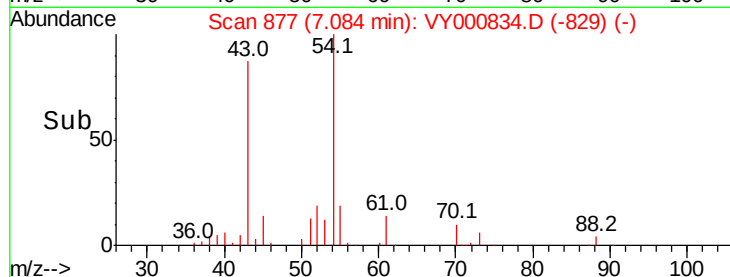
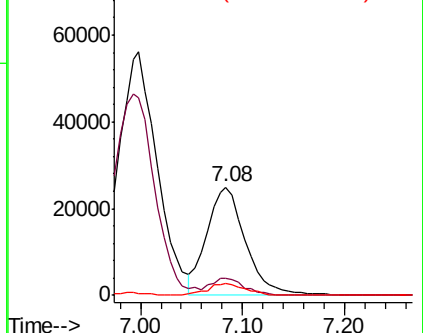
70 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VY000834.D (-877) (-)

Ion 60.90 (60.60 to 61.60): VY000834.D (-877) (-)

Ion 70.00 (69.70 to 70.70): VY000834.D (-877) (-)



#38

Carbon Tetrachloride

Concen: 20.341 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

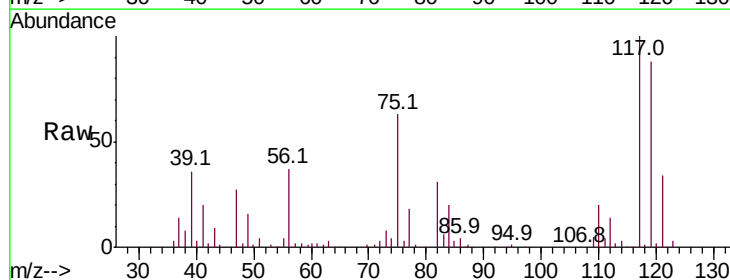
Tgt Ion: 117 Resp: 104708

Ion Ratio Lower Upper

117 100

119 87.7 79.3 118.9

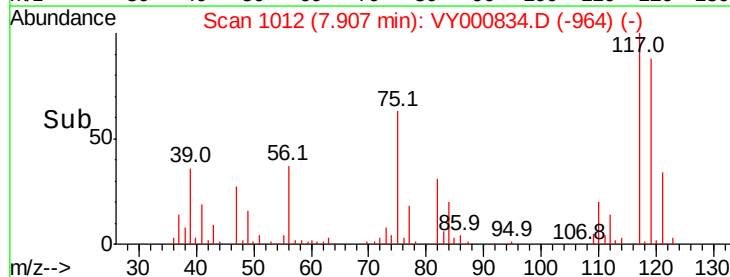
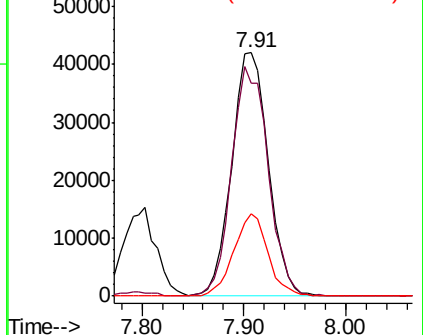
121 33.8 25.5 38.3

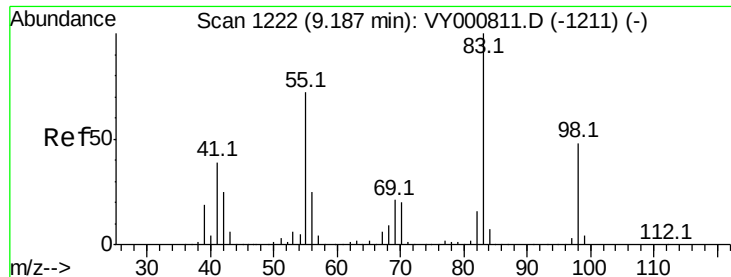


Abundance Ion 116.80 (116.50 to 117.50): VY000834.D (-962) (-)

Ion 118.80 (118.50 to 119.50): VY000834.D (-962) (-)

Ion 120.80 (120.50 to 121.50): VY000834.D (-962) (-)

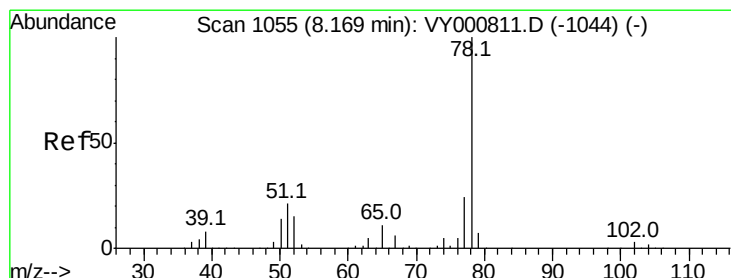
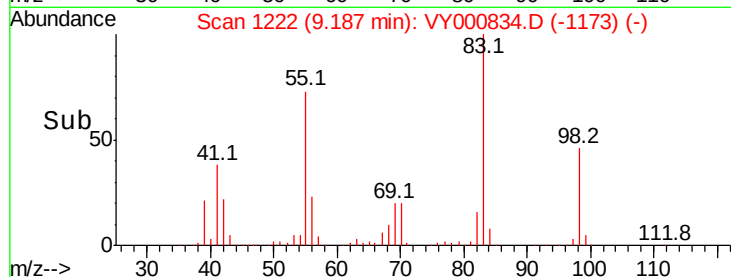
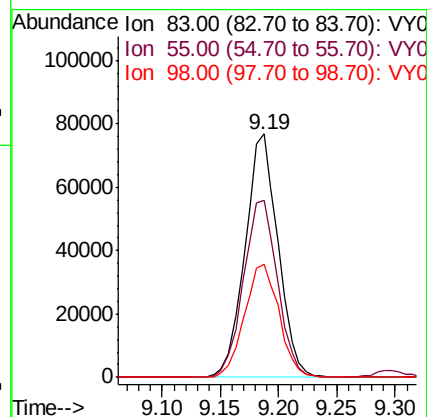
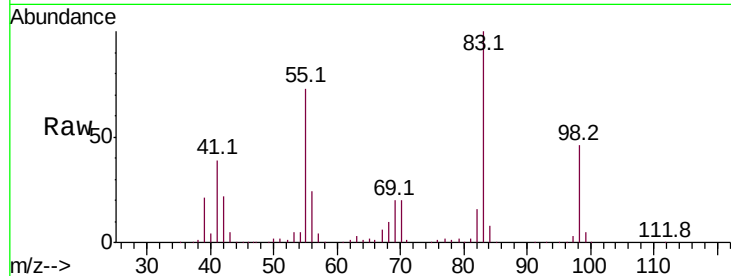




#39
Methylvlcyclohexane
Concen: 19.826 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

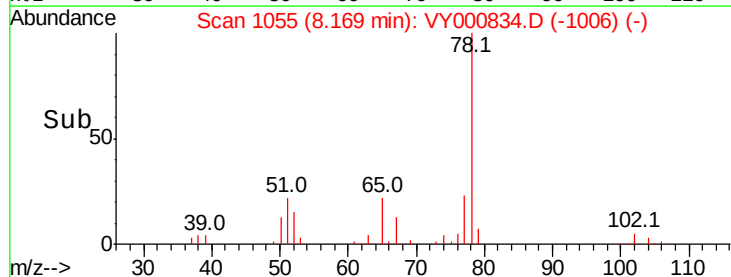
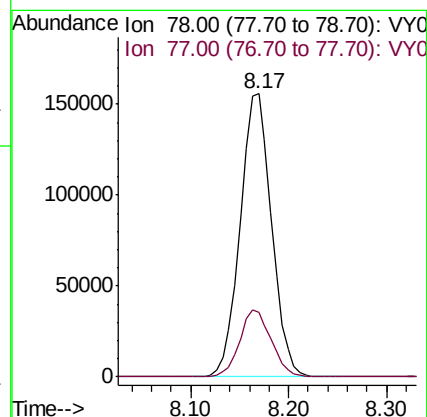
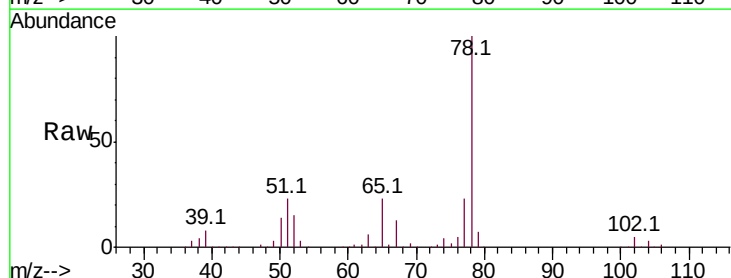
Instrument :
MSVOA_Y
ClientSampleId :

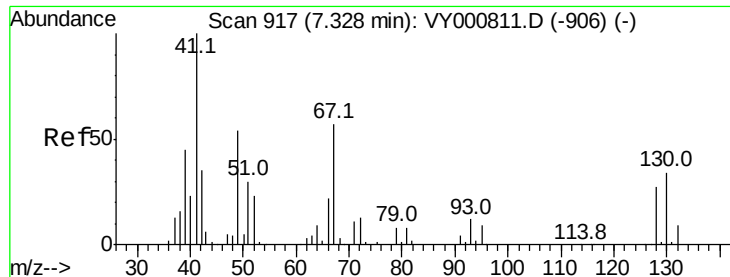
Tot Ion: 83 Resp: 151834
Ion Ratio Lower Upper
83 100
55 73.0 57.8 86.6
98 46.3 38.6 58.0



#40
Benzene
Concen: 20.564 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 78 Resp: 346233
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8





#41

Methacrylonitrile

Concen: 51.070 ug/l

RT: 7.35 min Scan# 921

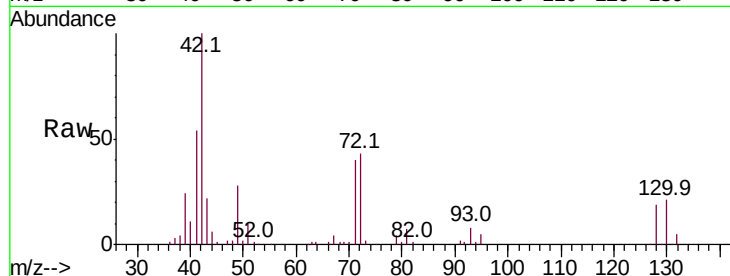
Delta R.T. 0.02 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	89837
Ion	Ratio	Lower	Upper
41	100		
39	0.0	95.7	143.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



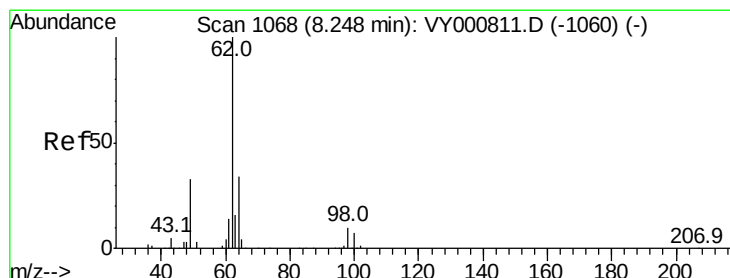
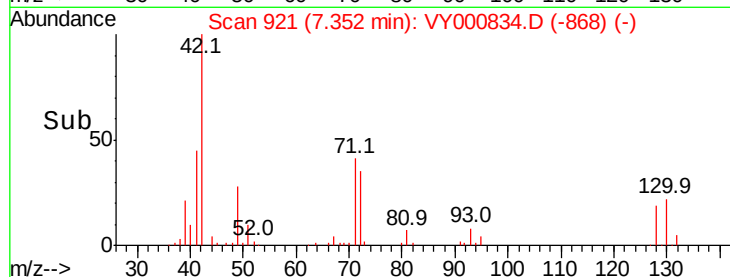
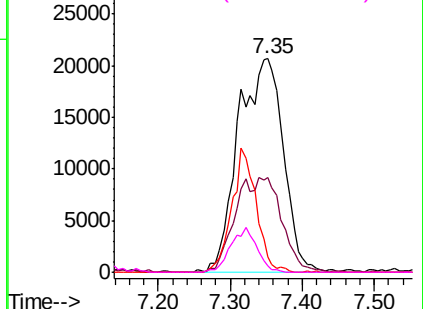
Abundance

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: 20.306 ug/l

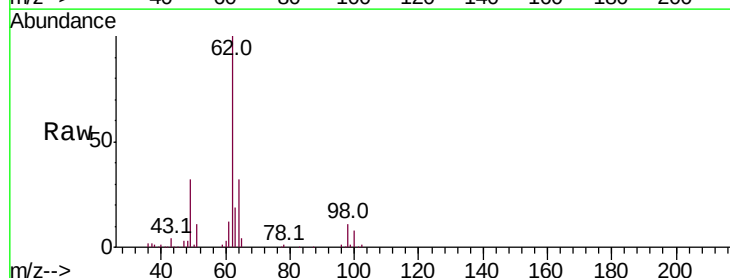
RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

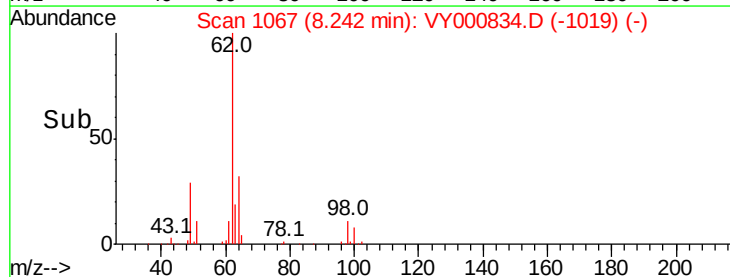
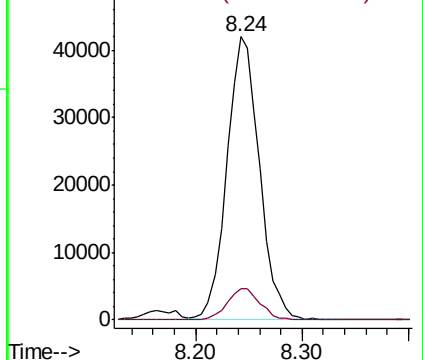
Tgt Ion:	62	Resp:	89915
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.4

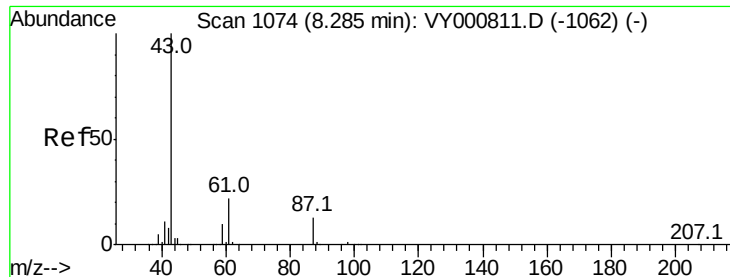


Abundance

Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



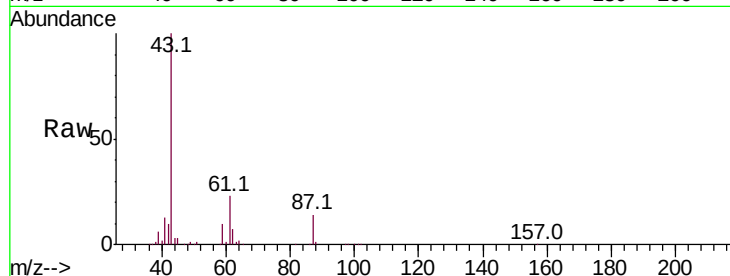


#43

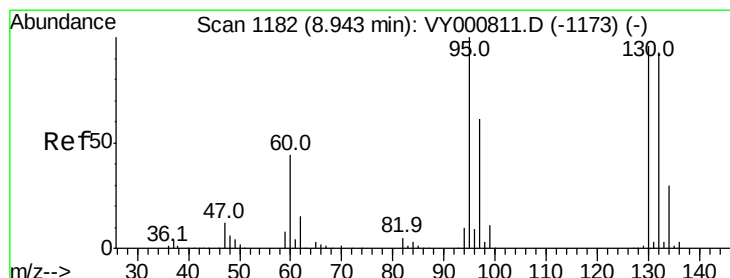
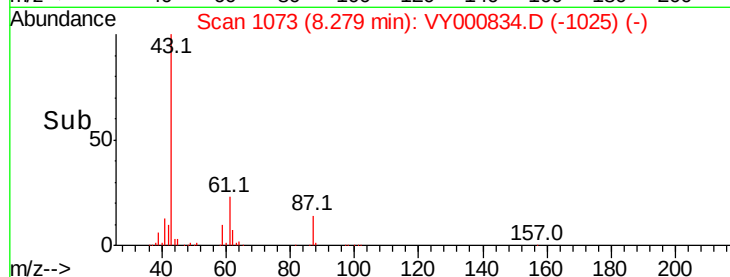
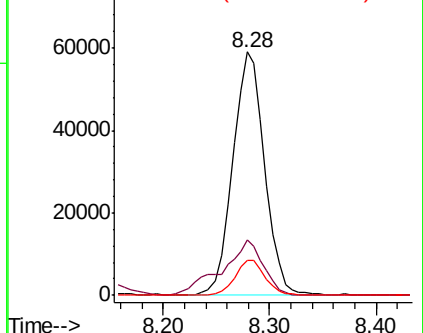
Isopropyl Acetate
 Concen: 19.686 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 43 Resp: 123821
 Ion Ratio Lower Upper
 43 100
 61 29.4 23.7 35.5
 87 13.7 10.6 15.8



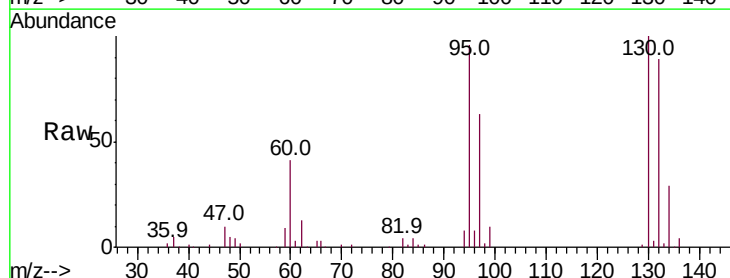
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



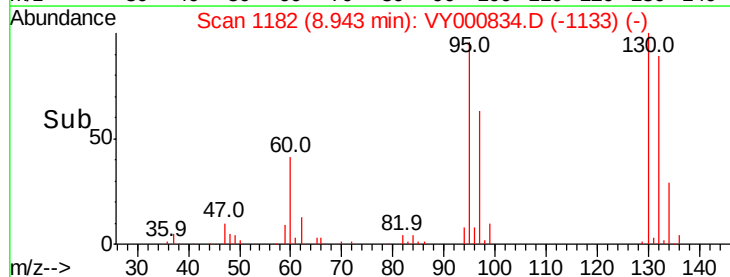
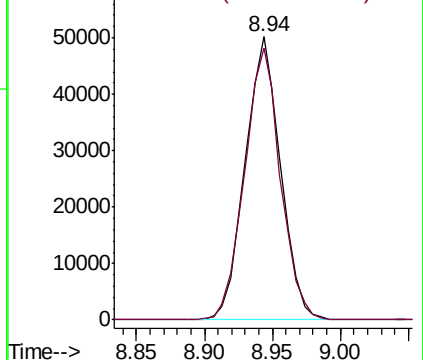
#44

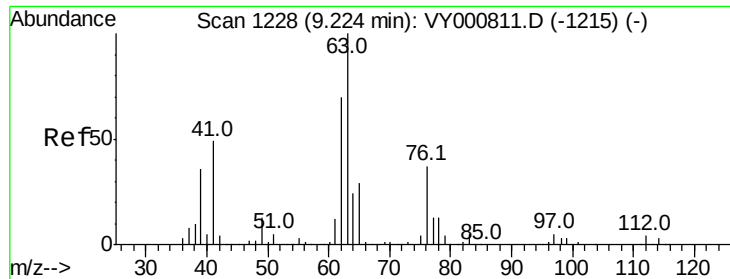
Trichloroethene
 Concen: 21.132 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion:130 Resp: 91440
 Ion Ratio Lower Upper
 130 100
 95 96.3 0.0 207.8



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

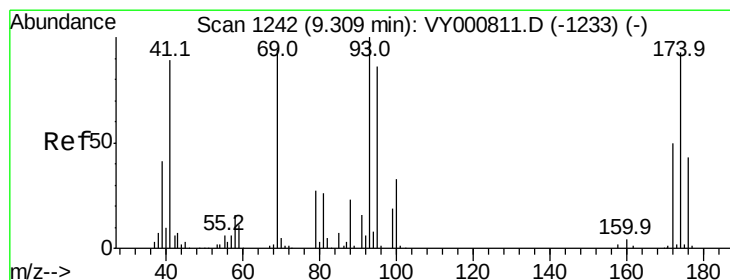
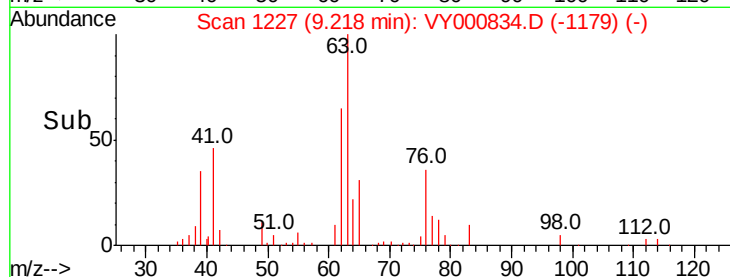
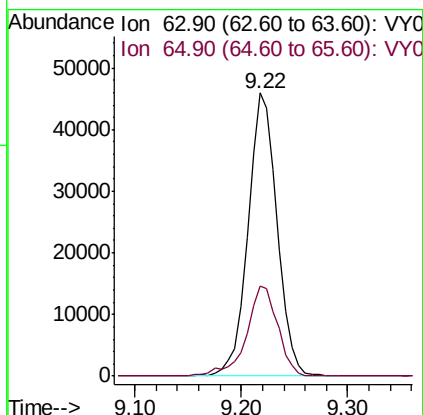
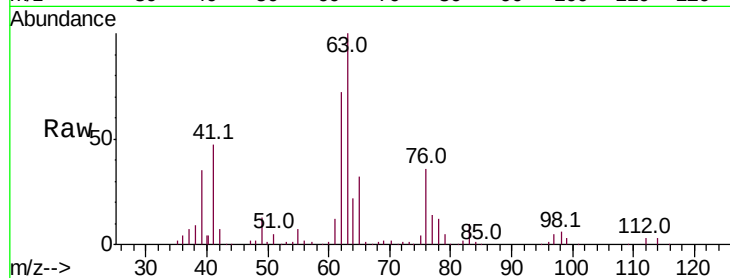




#45
1,2-Dichloropropane
Concen: 20.779 ug/l
RT: 9.22 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

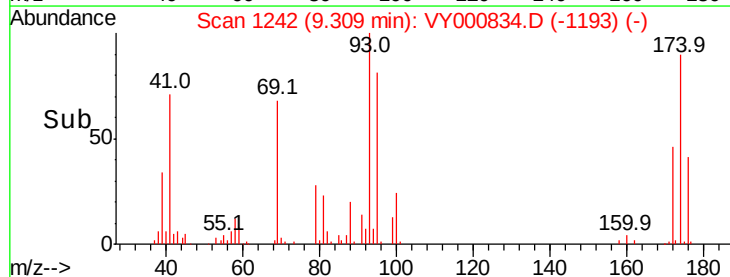
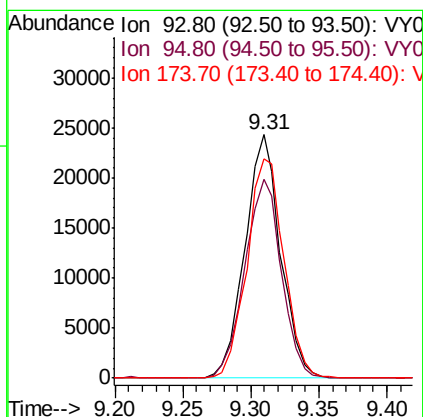
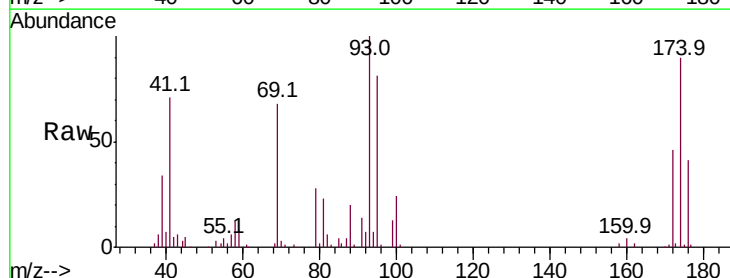
Instrument :
MSVOA_Y
ClientSampled :

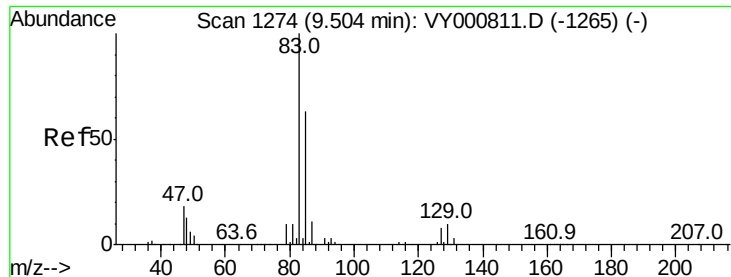
Tot Ion: 63 Resp: 87876
Ion Ratio Lower Upper
63 100
65 31.8 23.2 34.8



#46
Dibromomethane
Concen: 20.150 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 93 Resp: 44525
Ion Ratio Lower Upper
93 100
95 84.2 66.4 99.6
174 93.8 73.0 109.6





#47

Bromodichloromethane

Concen: 20.226 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampleId :

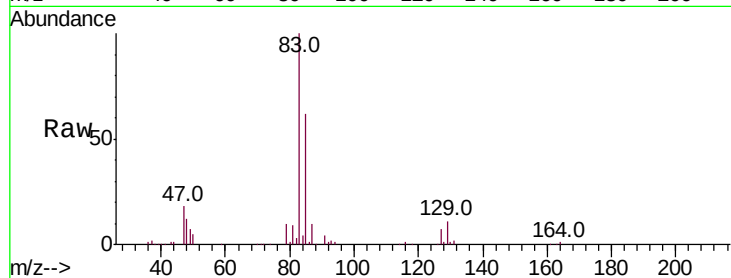
Tot Ion: 83 Resp: 104991

Ion Ratio Lower Upper

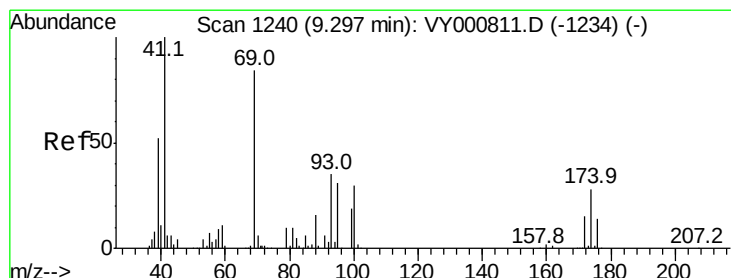
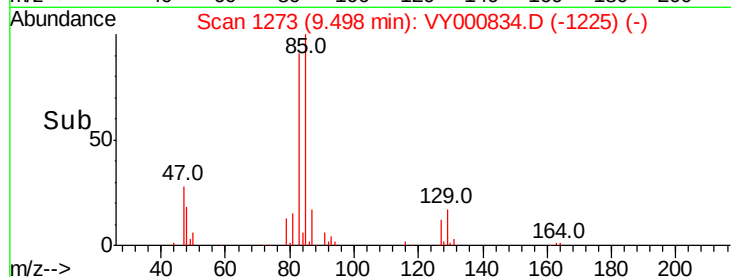
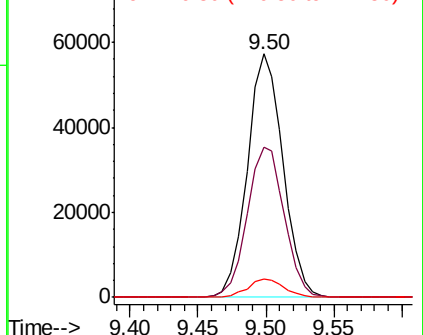
83 100

85 61.7 50.8 76.2

127 7.3 6.6 10.0



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



#48

Methyl methacrylate

Concen: 19.318 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

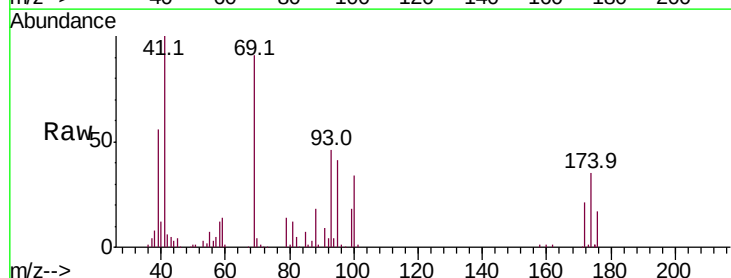
Tgt Ion: 41 Resp: 53428

Ion Ratio Lower Upper

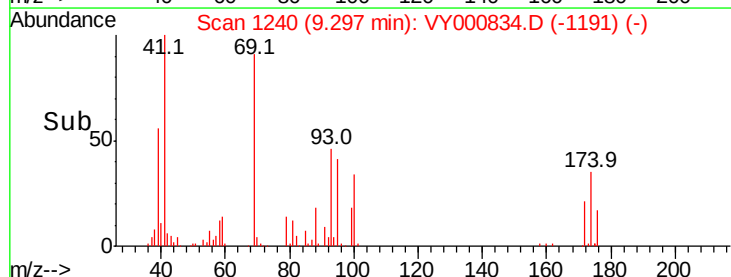
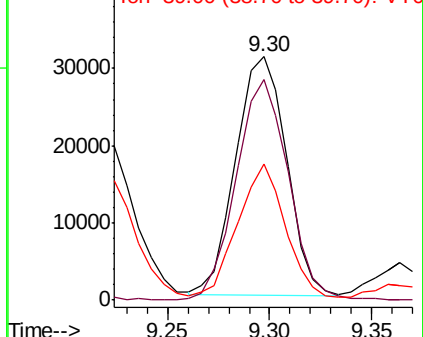
41 100

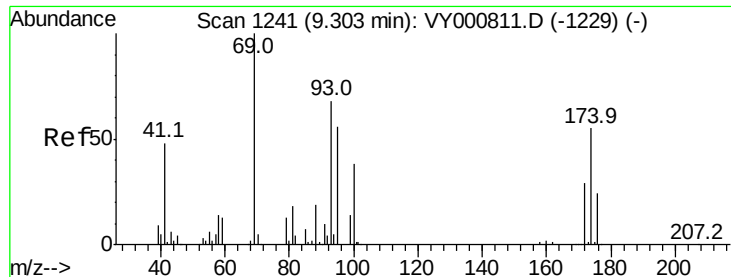
69 95.2 70.4 105.6

39 55.0 40.9 61.3



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: 426.289 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampleId :

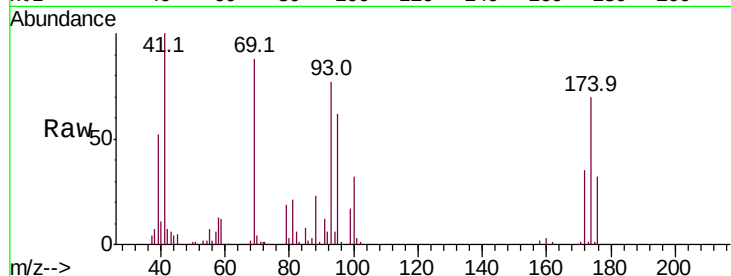
Tot Ion: 88 Resp: 13347

Ion Ratio Lower Upper

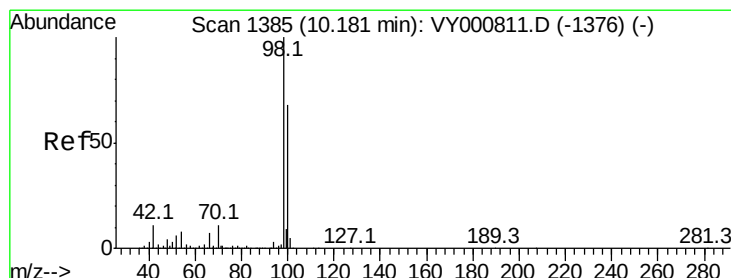
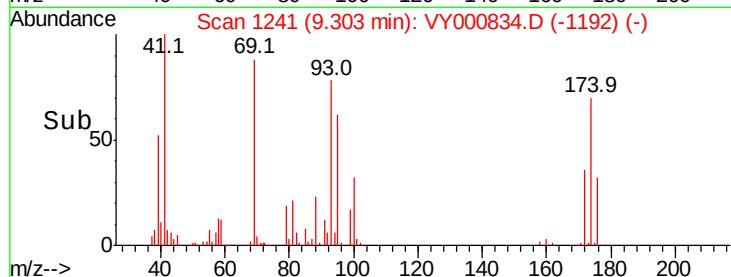
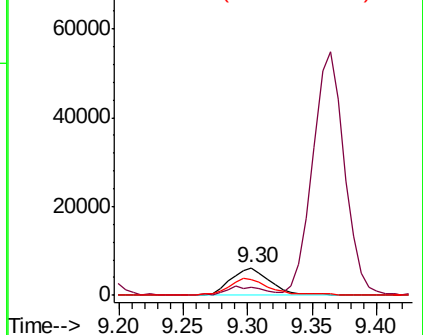
88 100

43 32.1 21.1 31.7#

58 64.7 50.7 76.1



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



#50

Toluene-d8

Concen: 54.308 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000834.D

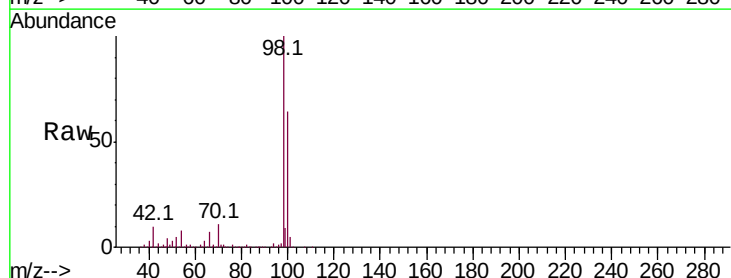
Acq: 03 Dec 2019 11:37

Tgt Ion: 98 Resp: 735619

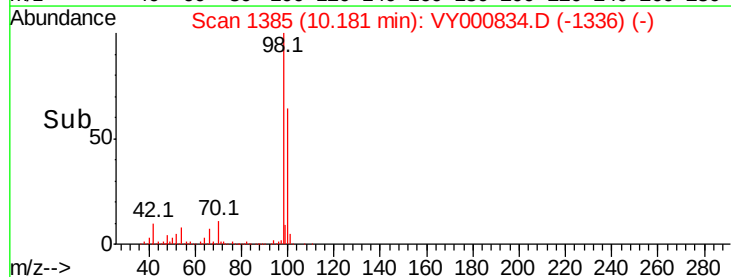
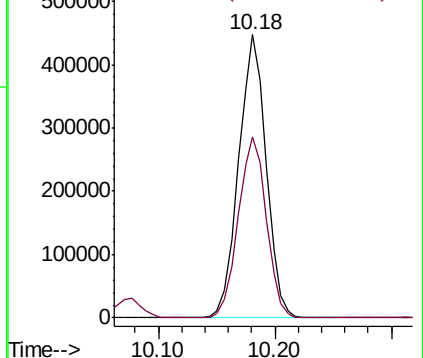
Ion Ratio Lower Upper

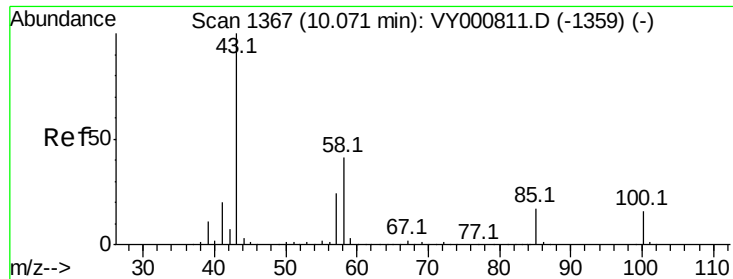
98 100

100 65.4 53.1 79.7



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

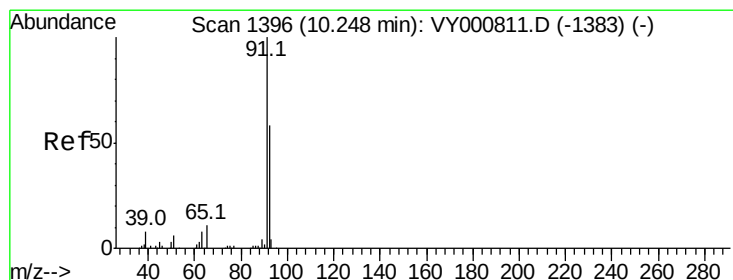
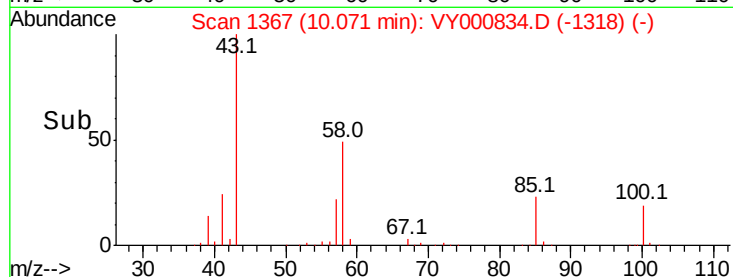
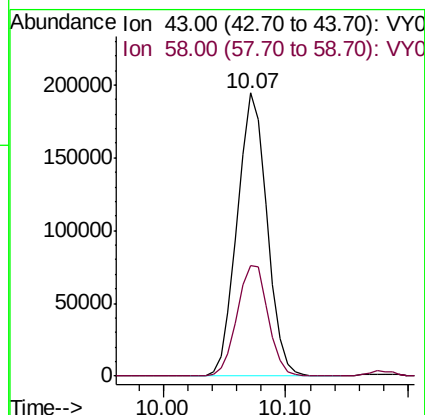
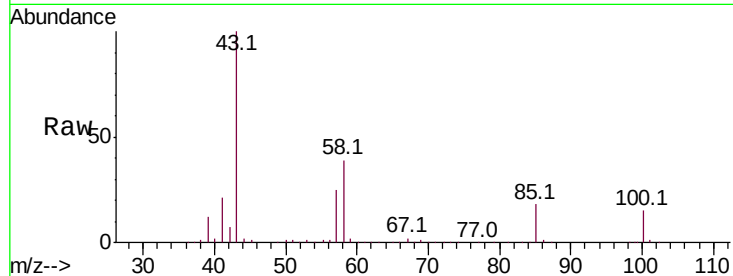




#51
4-Methyl-2-Pentanone
Concen: 101.012 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

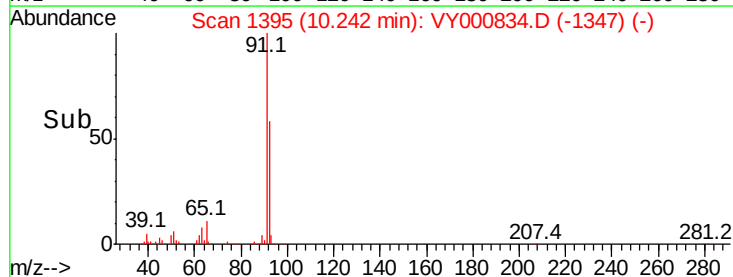
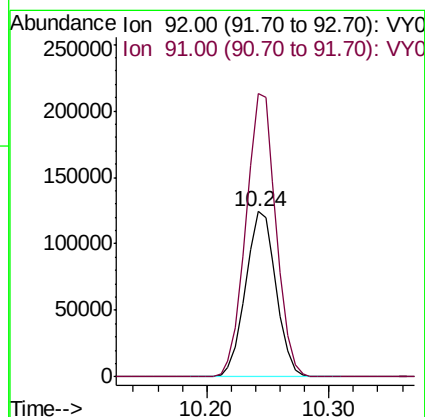
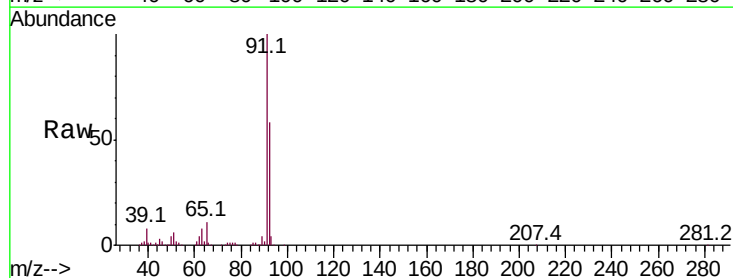
Instrument :
MSVOA_Y
ClientSampled :

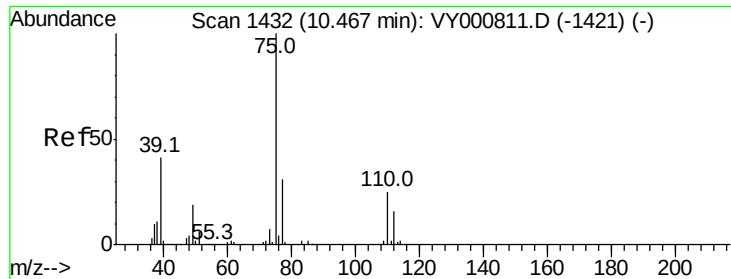
Tot Ion: 43 Resp: 328260
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7



#52
Toluene
Concen: 20.599 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 92 Resp: 214739
Ion Ratio Lower Upper
92 100
91 169.2 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.825 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

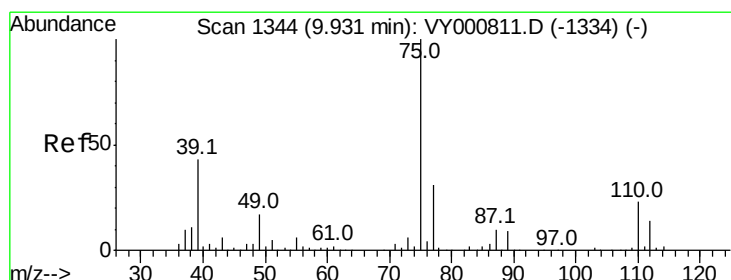
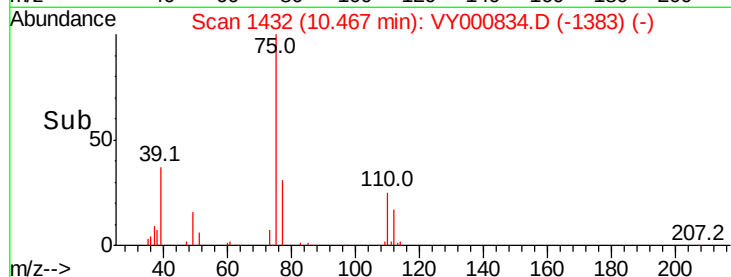
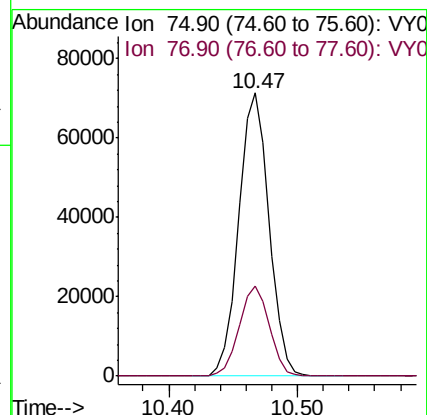
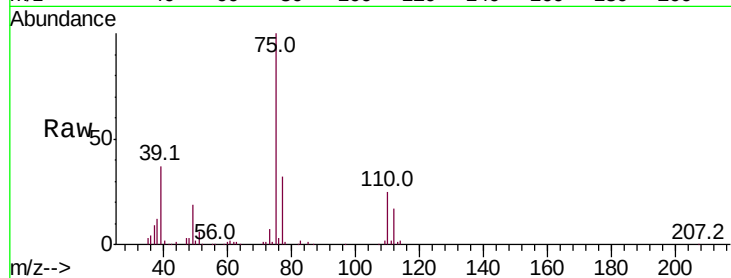
ClientSampleId :

Tot Ion: 75 Resp: 116142

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.554 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

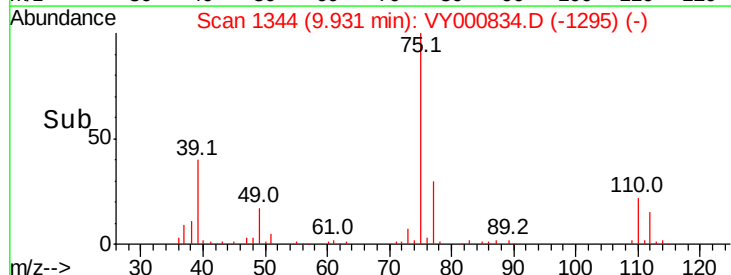
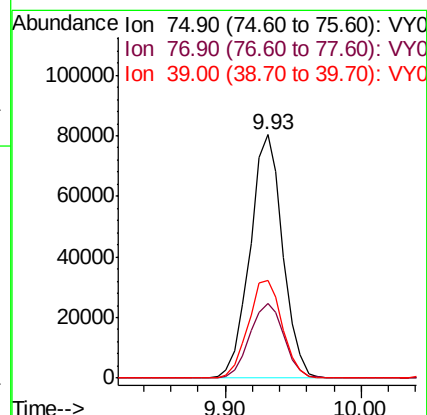
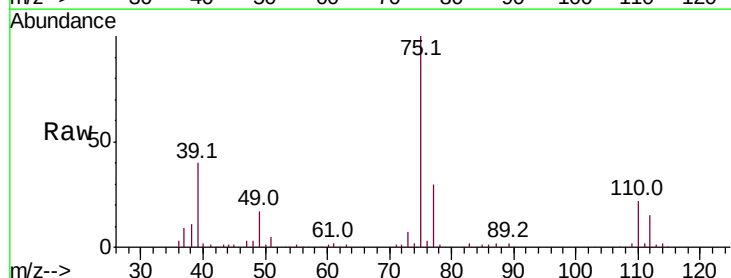
Tgt Ion: 75 Resp: 135489

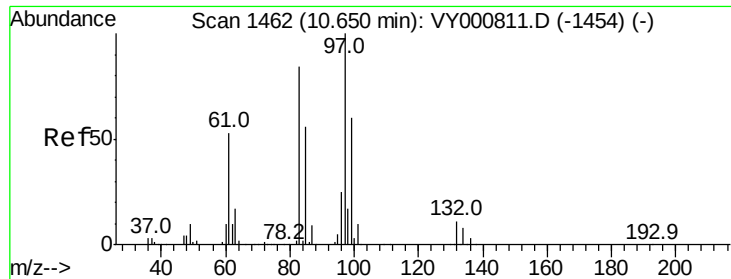
Ion Ratio Lower Upper

75 100

77 30.5 24.7 37.1

39 40.3 34.5 51.7



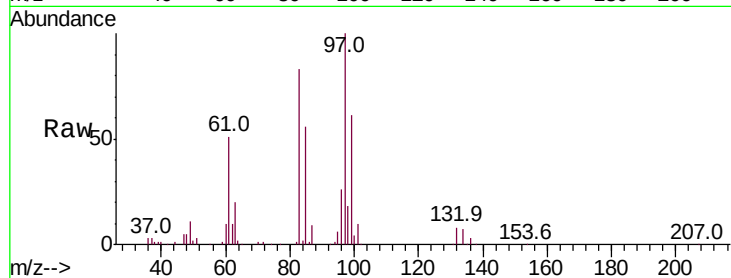


#55
 1,1,2-Trichloroethane
 Concen: 20.602 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 97 Resp: 67259

Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.5	101.3
85	55.7	44.5	66.7
99	60.6	47.7	71.5



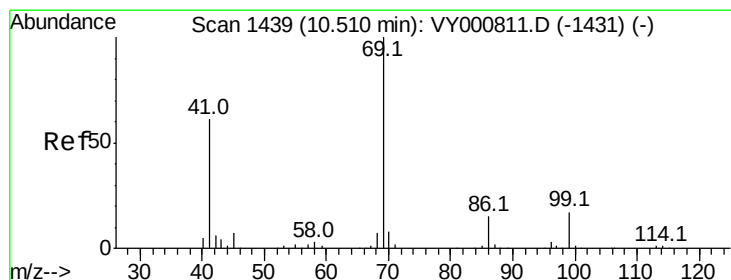
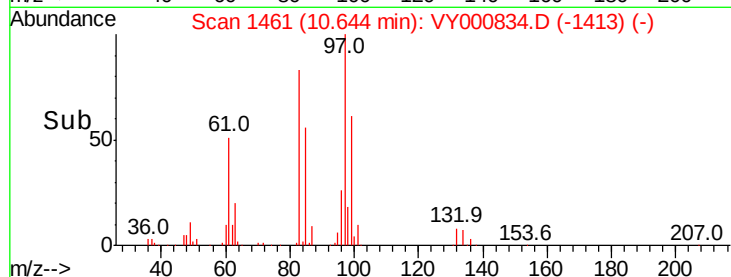
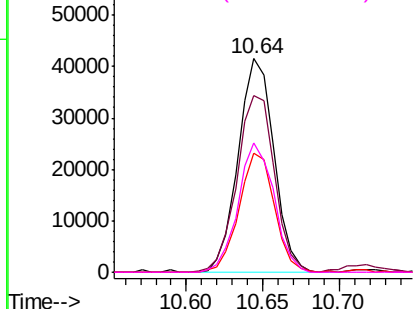
Abundance

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

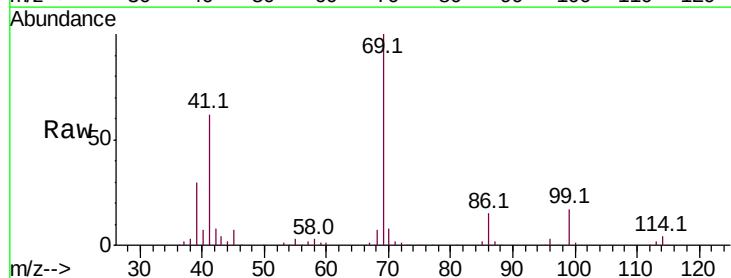
Ion 98.90 (98.60 to 99.60): VY0



#56
 Ethyl methacrylate
 Concen: 20.292 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion: 69 Resp: 94767

Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.0	73.6
39	30.9	23.1	34.7

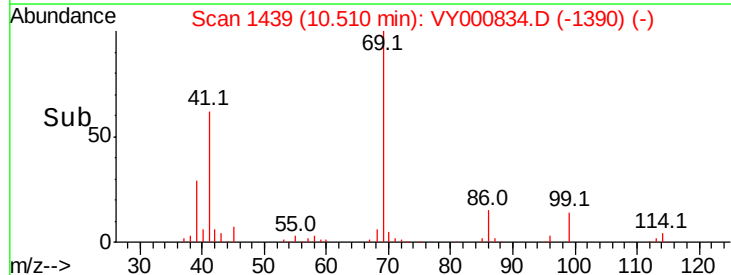
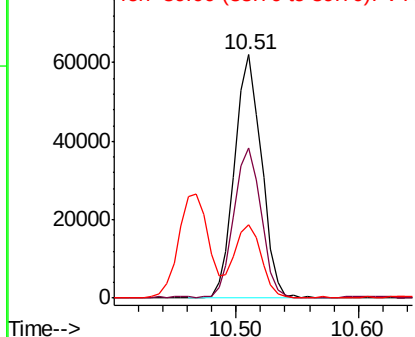


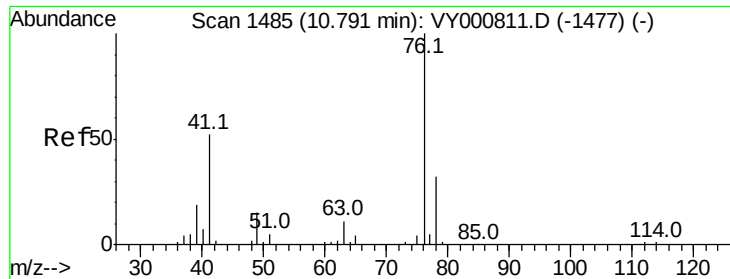
Abundance

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: 20.891 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

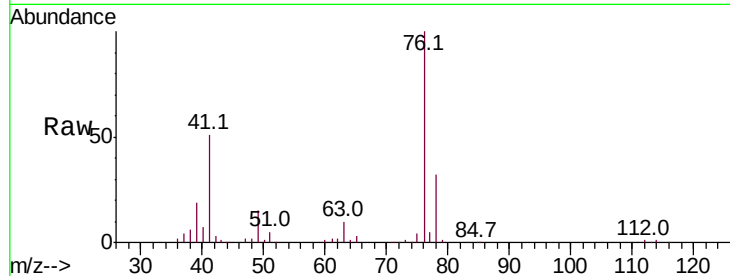
ClientSampleId :

Tot Ion: 76 Resp: 118867

Ion Ratio Lower Upper

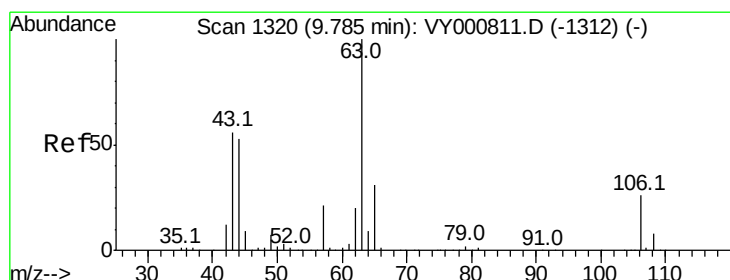
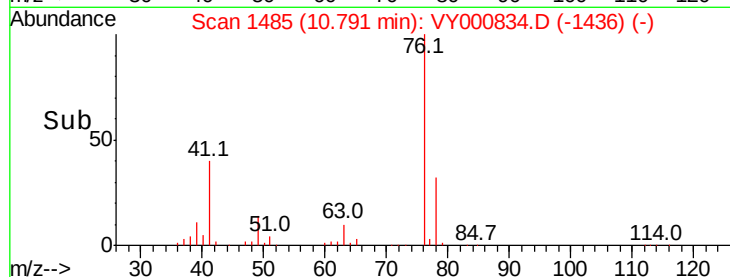
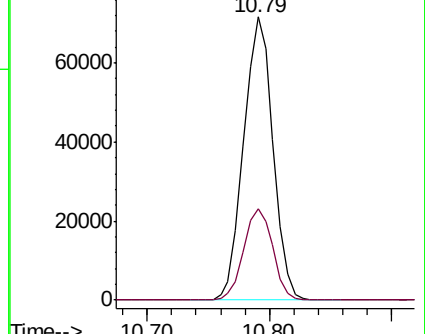
76 100

78 31.9 26.4 39.6



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: 108.206 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY000834.D

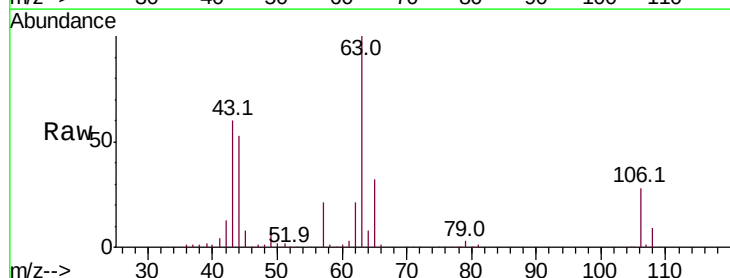
Acq: 03 Dec 2019 11:37

Tgt Ion: 63 Resp: 203763

Ion Ratio Lower Upper

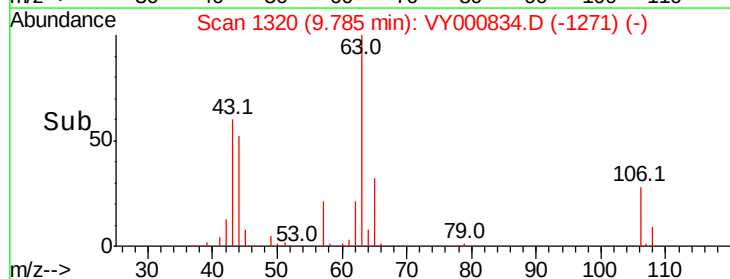
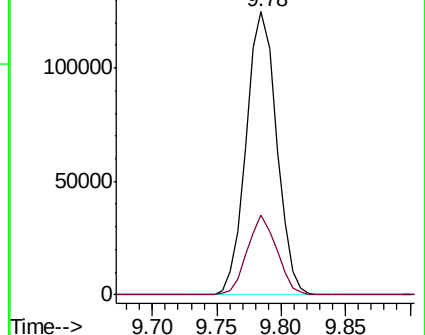
63 100

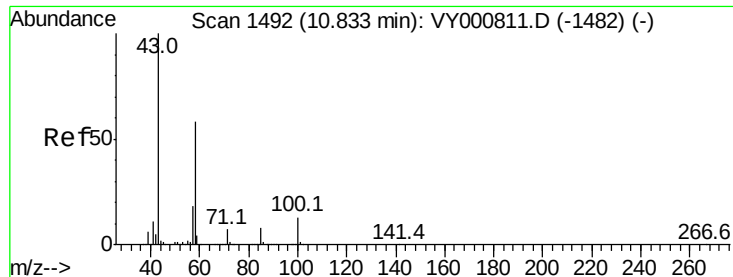
106 27.2 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

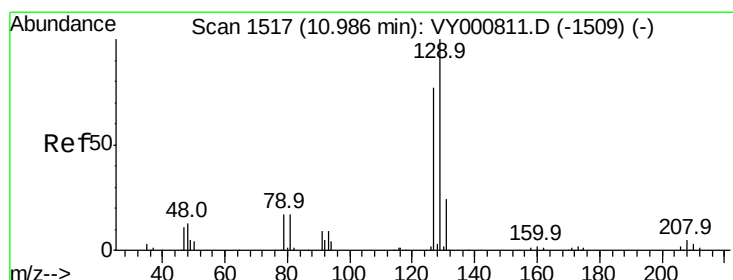
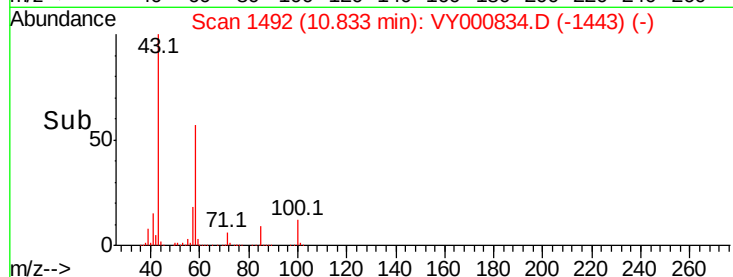
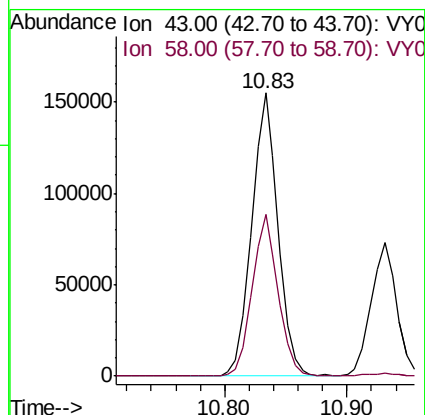
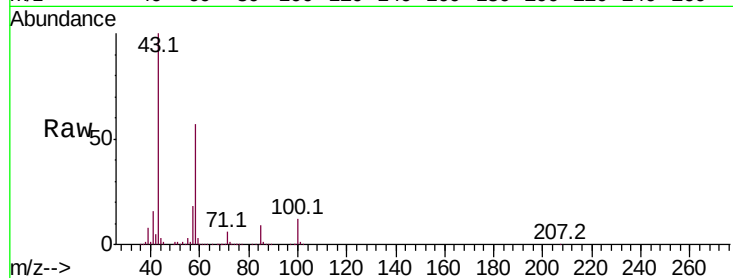




#59
2-Hexanone
Concen: 97.857 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

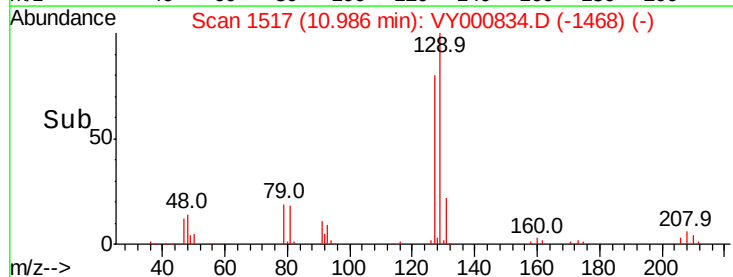
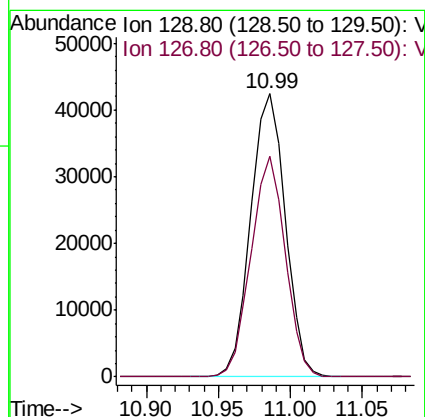
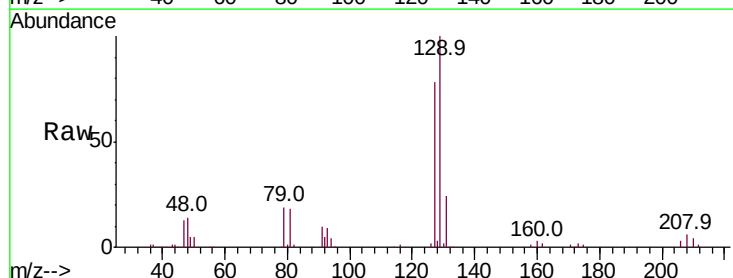
Instrument :
MSVOA_Y
ClientSampleId :

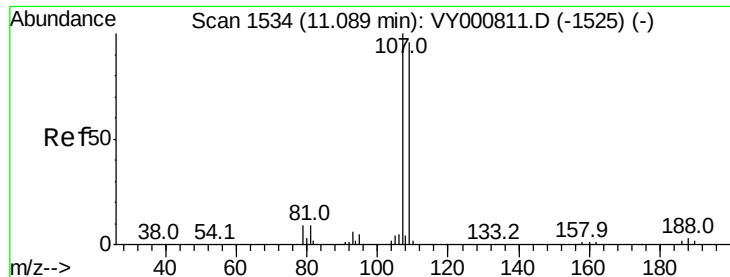
Tot Ion: 43 Resp: 231726
Ion Ratio Lower Upper
43 100
58 56.4 29.0 87.1



#60
Dibromochloromethane
Concen: 20.051 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 129 Resp: 70467
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.097 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

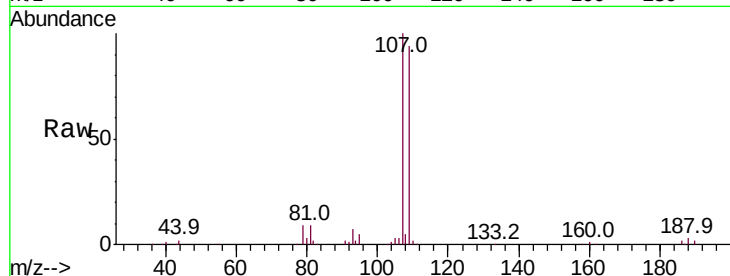
ClientSampleId :

Tot Ion:107 Resp: 61835

Ion Ratio Lower Upper

107 100

109 95.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.09

40000

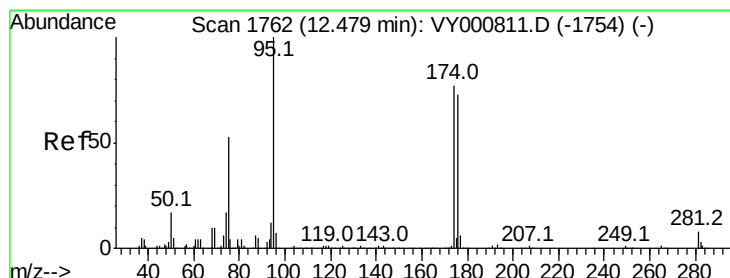
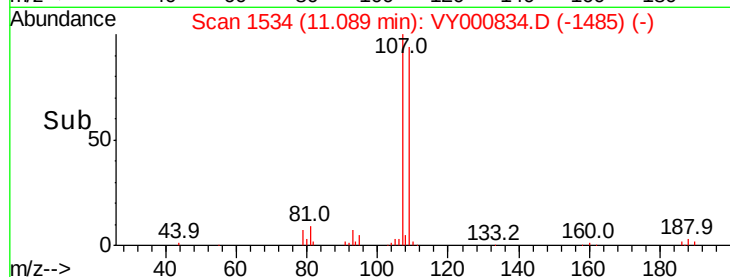
30000

20000

10000

0

Time--> 11.00 11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 49.247 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

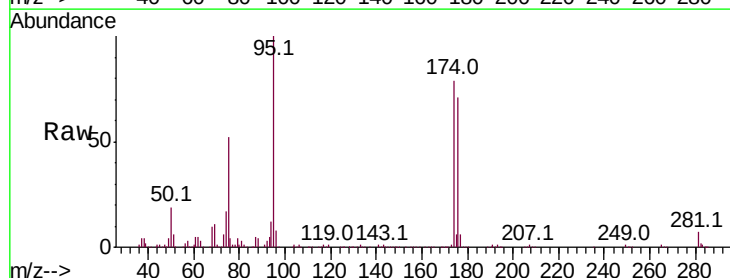
Tgt Ion: 95 Resp: 250518

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.6

176 71.9 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

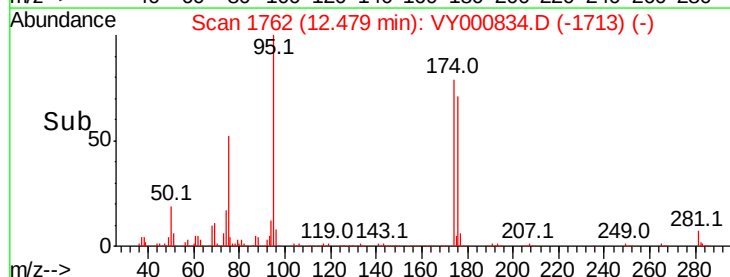
150000

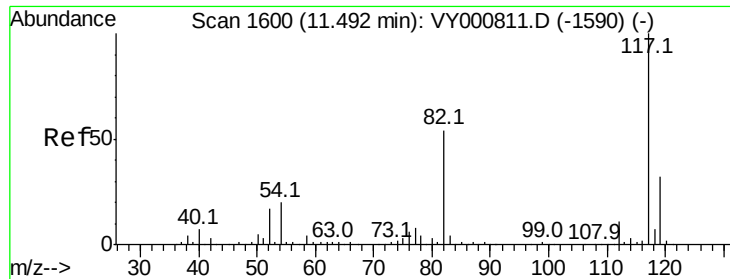
100000

50000

0

Time--> 12.40 12.50

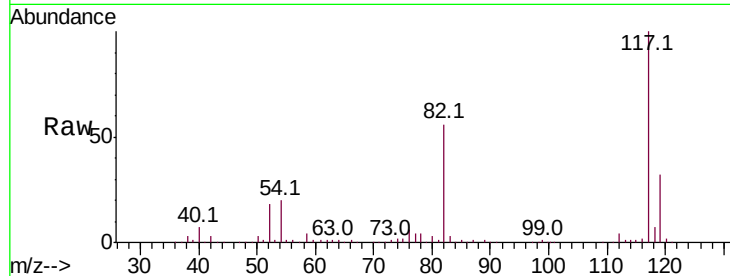




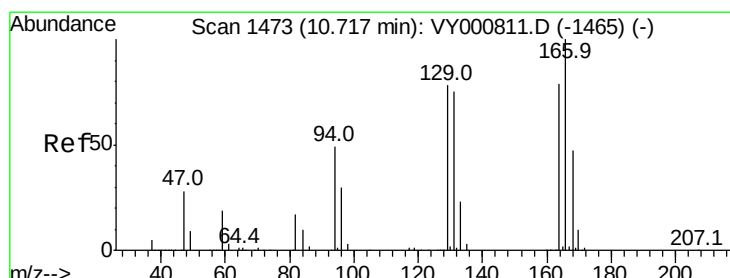
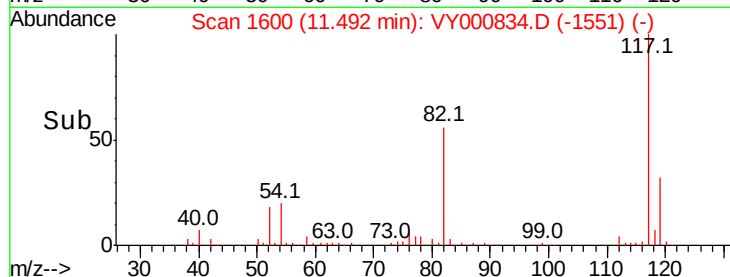
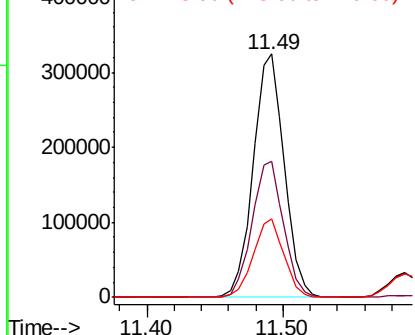
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 517434
Ion Ratio Lower Upper
117 100
82 55.7 43.1 64.7
119 32.3 25.3 37.9

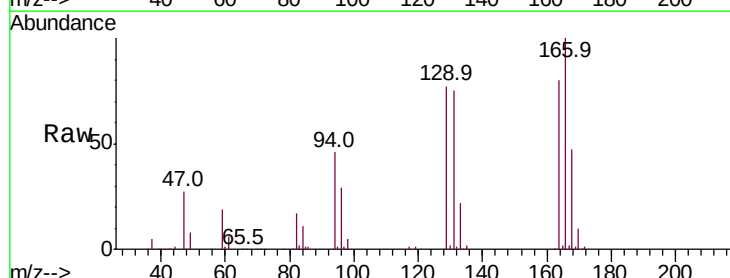


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

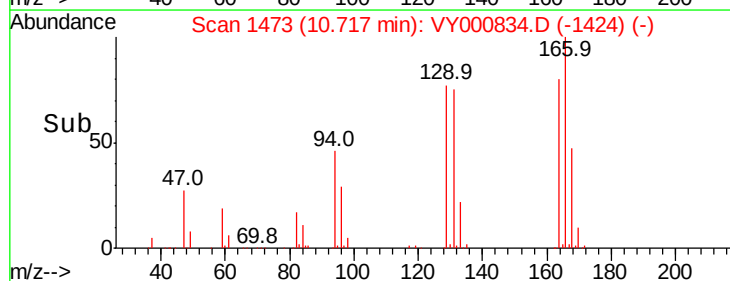
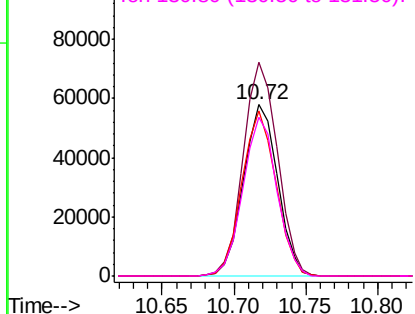


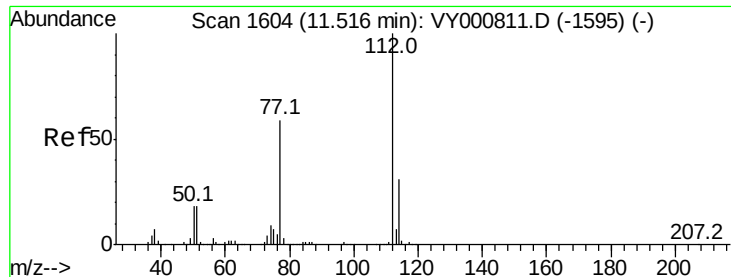
#64
Tetrachloroethene
Concen: 21.067 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion:164 Resp: 94708
Ion Ratio Lower Upper
164 100
166 124.6 101.8 152.8
129 96.4 79.3 118.9
131 93.0 76.4 114.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.273 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

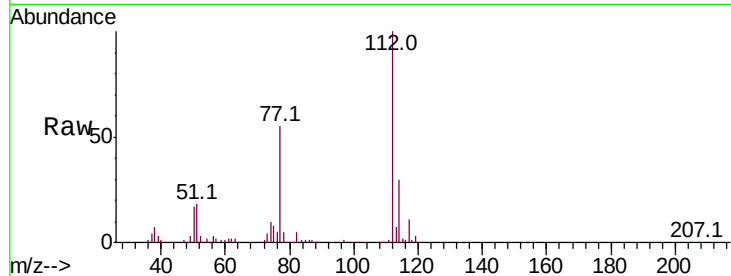
ClientSampleId :

Tot Ion:112 Resp: 218048

Ion Ratio Lower Upper

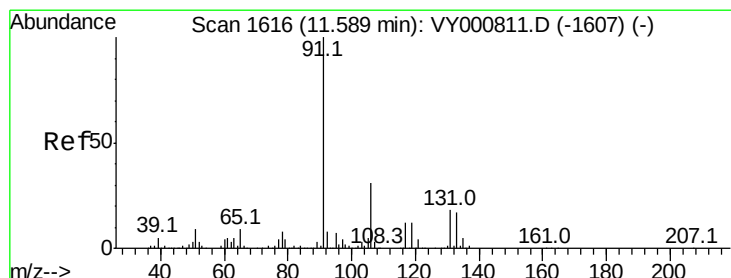
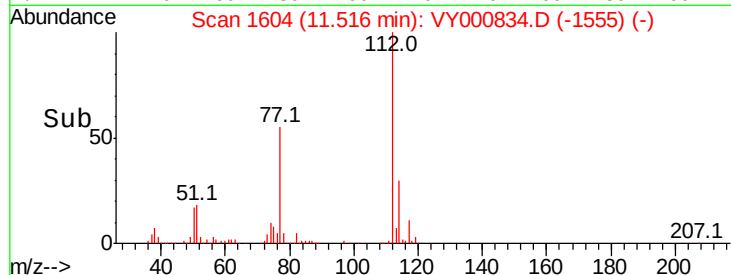
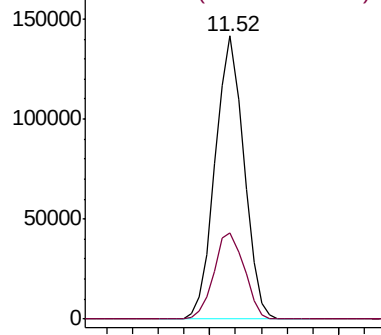
112 100

114 30.5 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.180 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

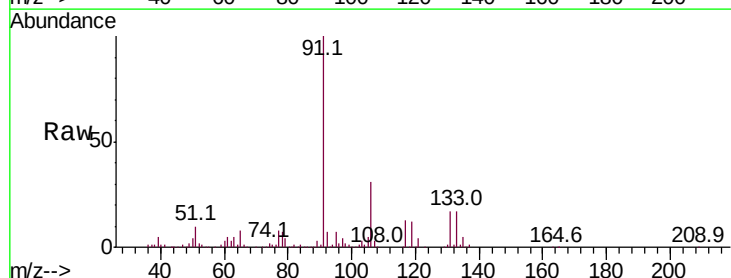
Tgt Ion:131 Resp: 73146

Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.2

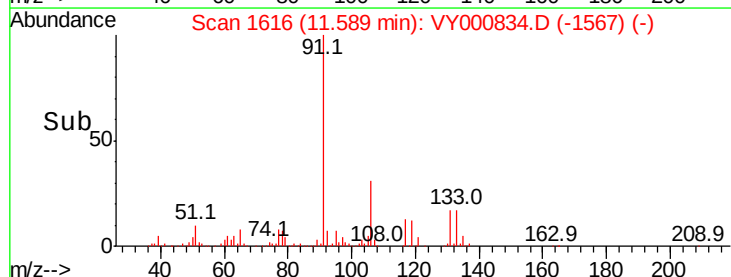
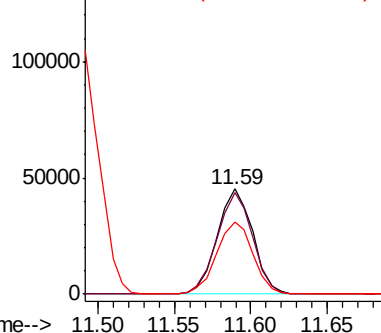
119 70.2 33.8 101.3

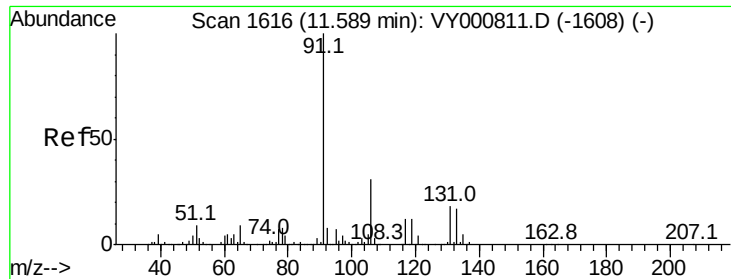


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

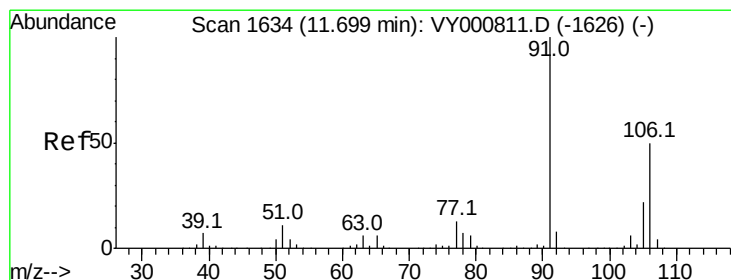
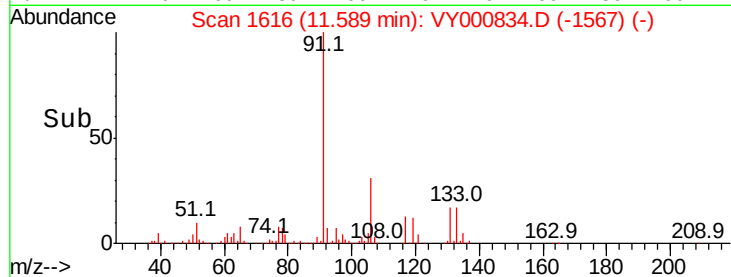
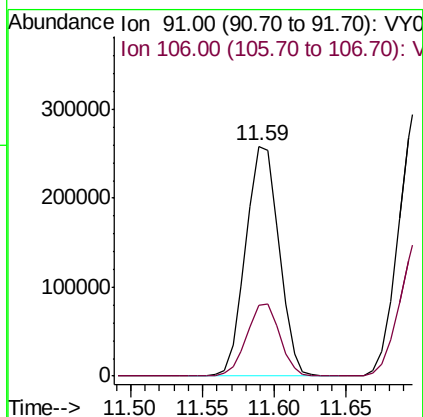
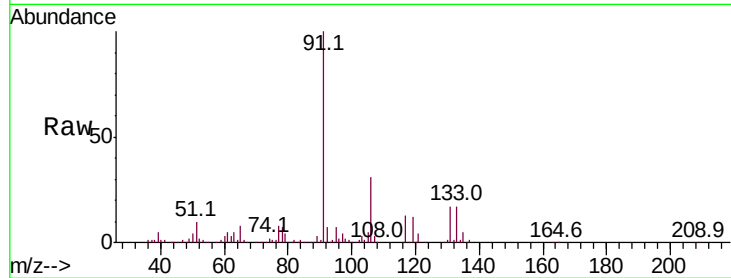




#67
Ethyl Benzene
Concen: 20.651 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

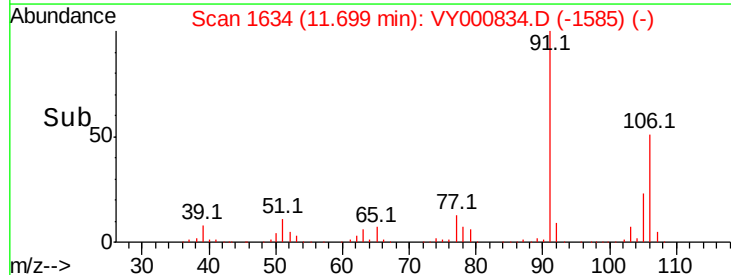
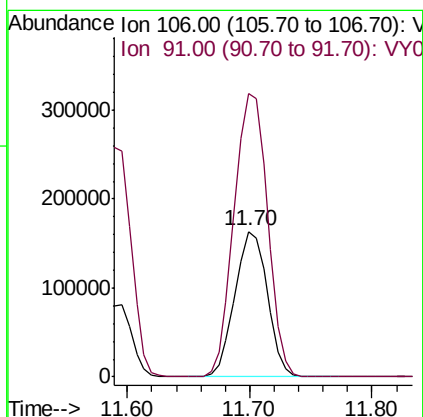
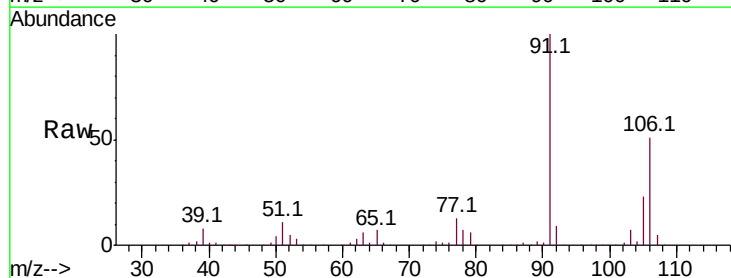
Instrument :
MSVOA_Y
ClientSampled :

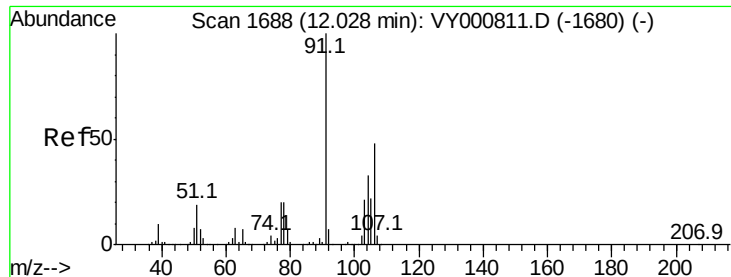
Tot Ion: 91 Resp: 413668
Ion Ratio Lower Upper
91 100
106 30.7 24.4 36.6



#68
m/p-Xylenes
Concen: 40.134 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion: 106 Resp: 301751
Ion Ratio Lower Upper
106 100
91 201.3 159.6 239.4

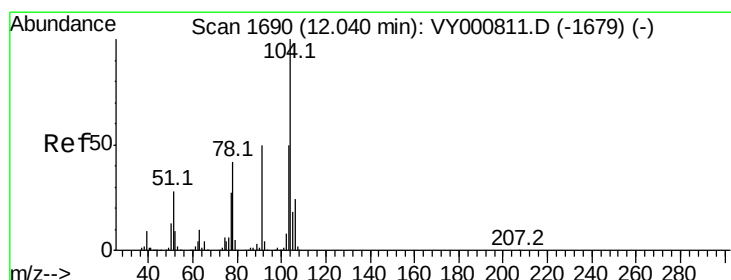
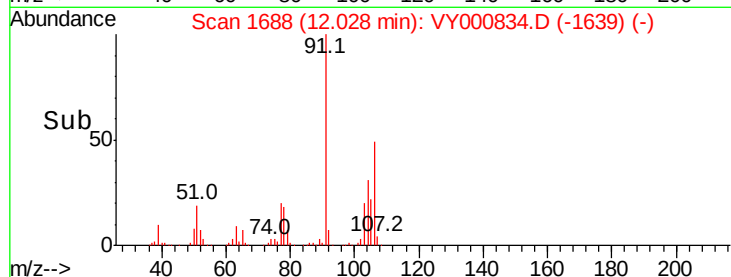
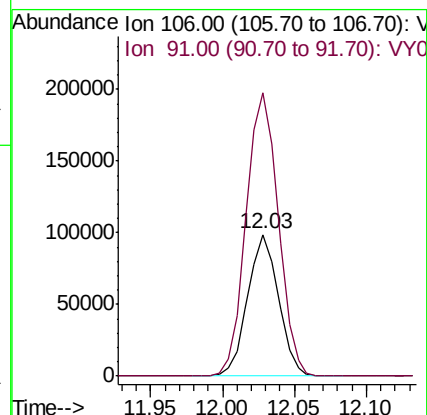
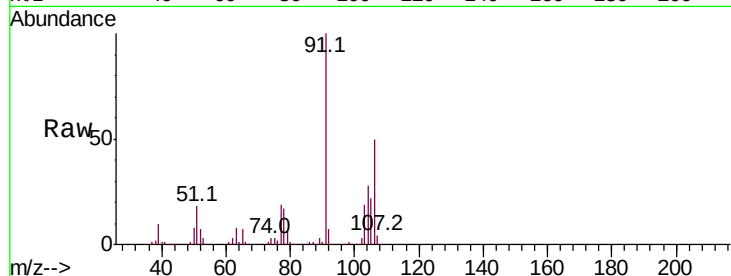




#69
o-Xylene
Concen: 20.830 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

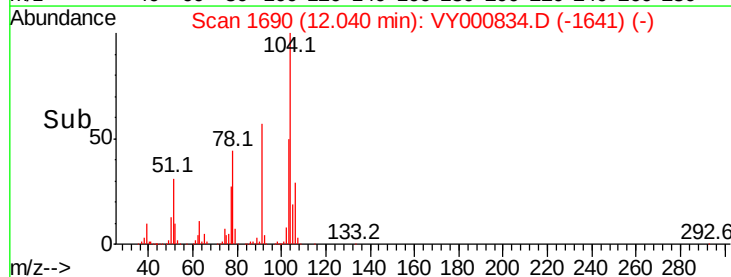
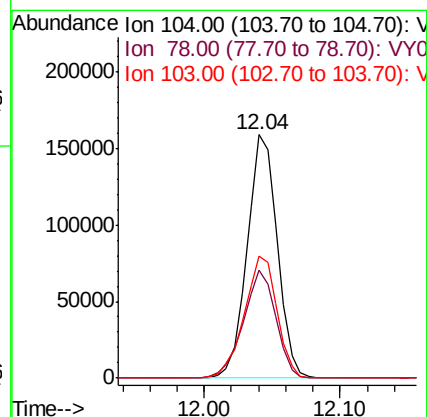
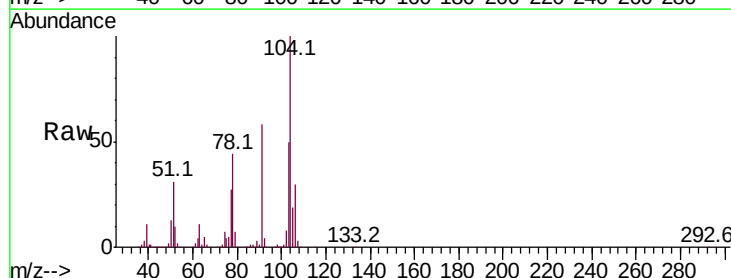
Instrument :
MSVOA_Y
ClientSampleId :

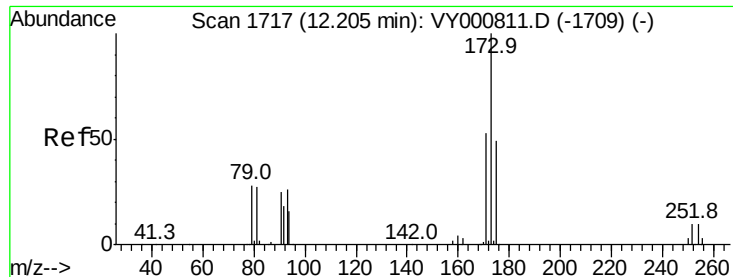
Tot Ion:106 Resp: 146025
Ion Ratio Lower Upper
106 100
91 209.2 106.1 318.1



#70
Styrene
Concen: 20.493 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion:104 Resp: 245997
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.4
103 54.5 43.4 65.0





#71

Bromoform

Concen: 19.774 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampleId :

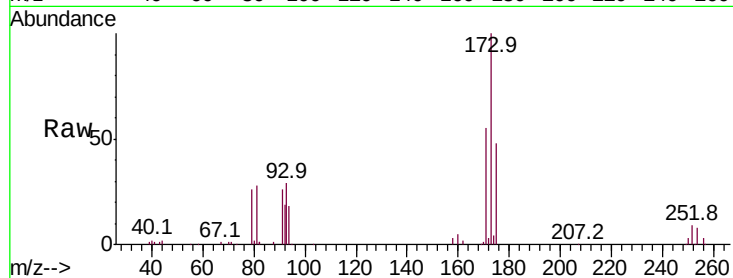
Tot Ion:173 Resp: 40425

Ion Ratio Lower Upper

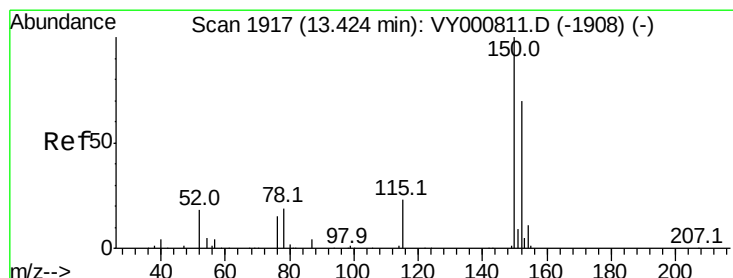
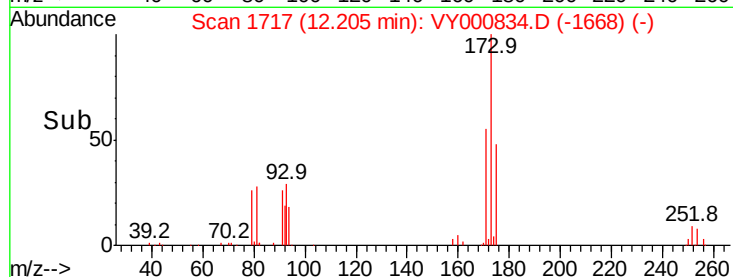
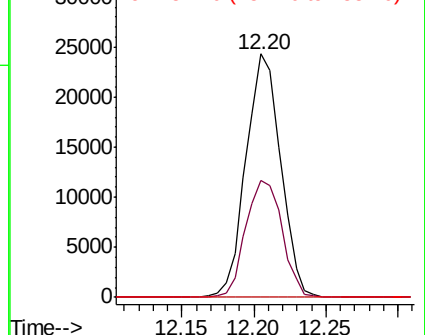
173 100

175 50.4 24.5 73.5

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

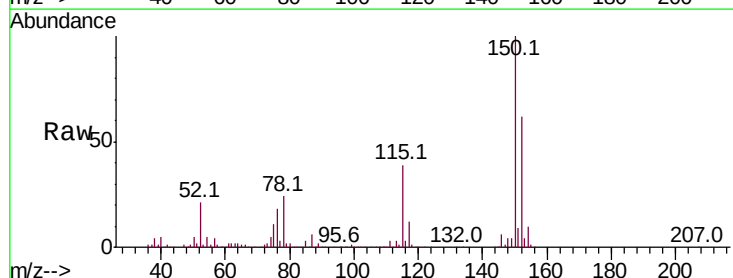
Tgt Ion:152 Resp: 238722

Ion Ratio Lower Upper

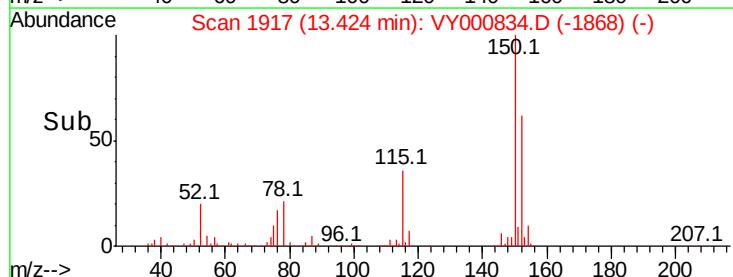
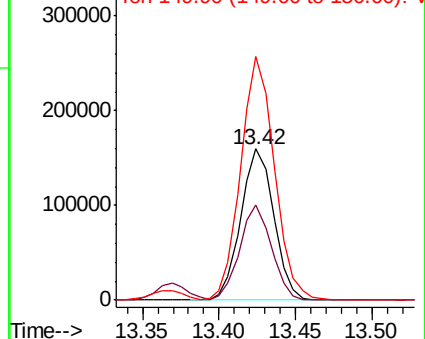
152 100

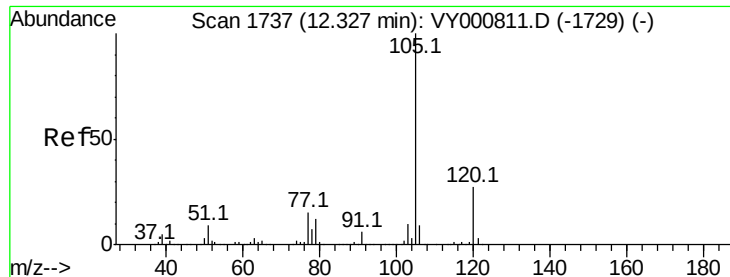
115 60.8 29.3 87.8

150 165.6 0.0 351.2



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: 20.266 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

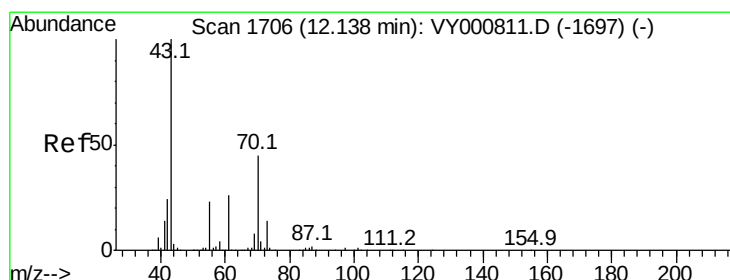
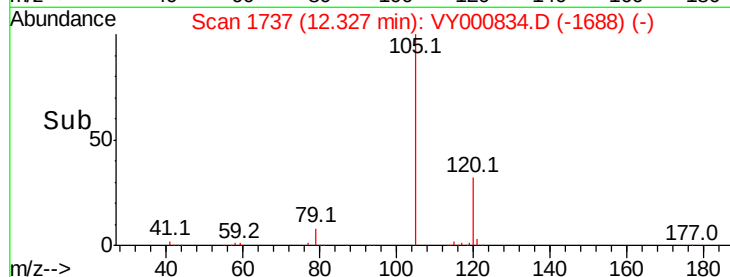
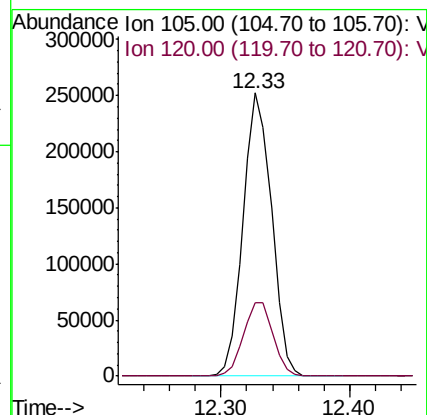
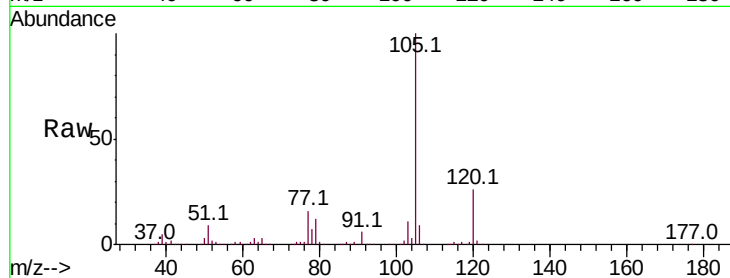
ClientSampleId :

Tot Ion:105 Resp: 385211

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 19.806 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Tgt Ion: 43 Resp: 104785

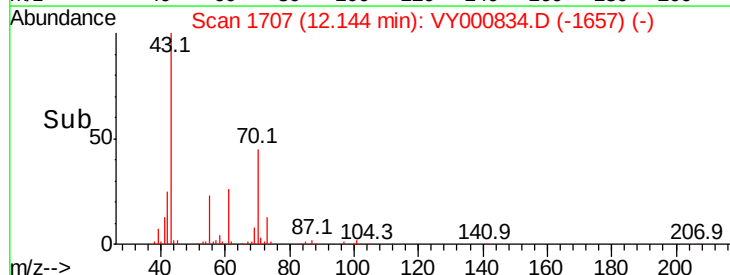
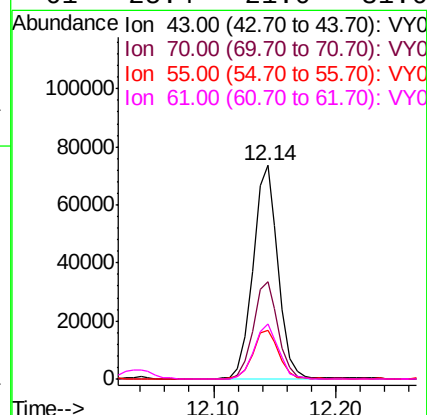
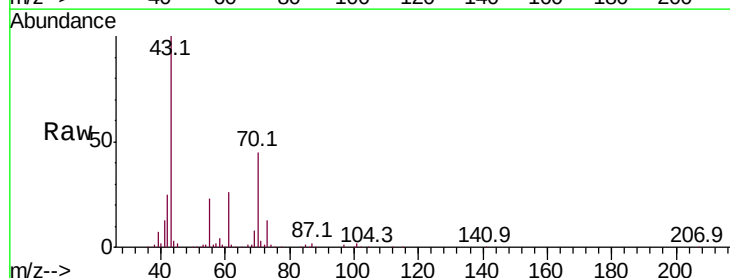
Ion Ratio Lower Upper

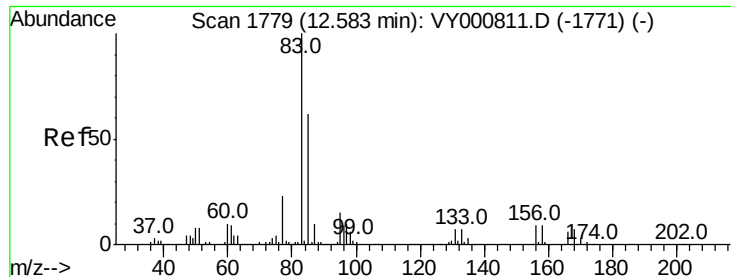
43 100

70 45.2 36.6 54.8

55 23.9 18.8 28.2

61 25.4 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.372 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampled :

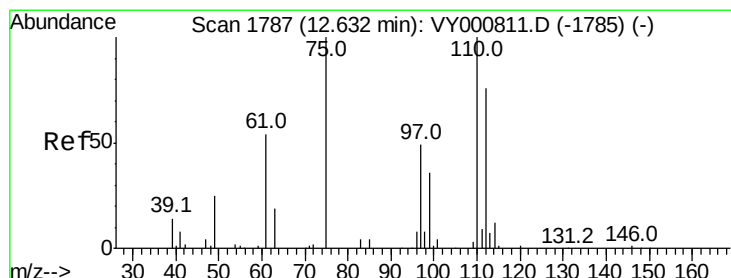
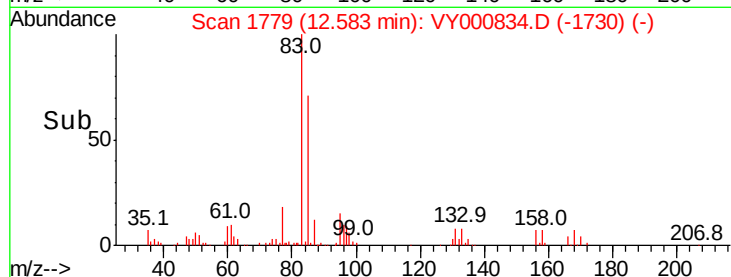
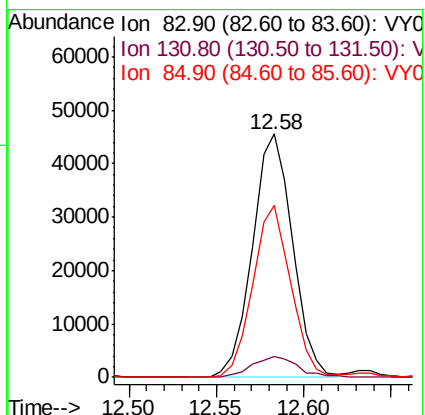
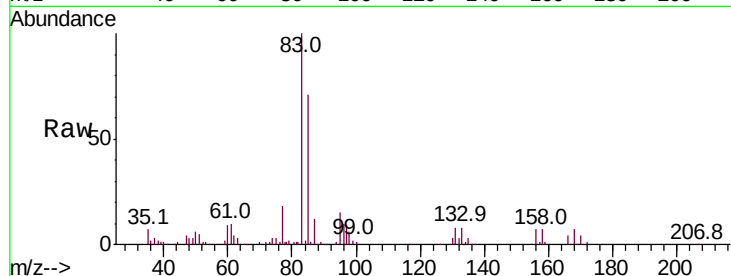
Tot Ion: 83 Resp: 72552

Ion Ratio Lower Upper

83 100

131 9.8 4.3 13.1

85 66.9 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 39.354 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000834.D

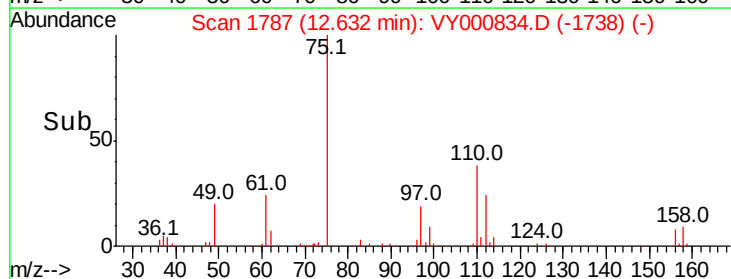
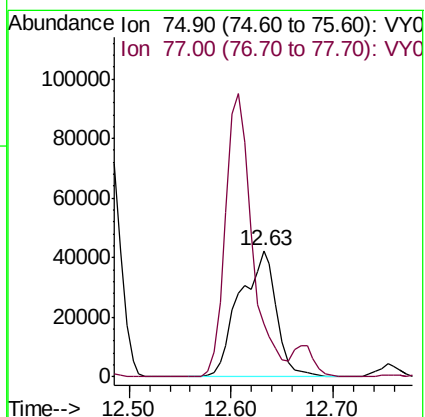
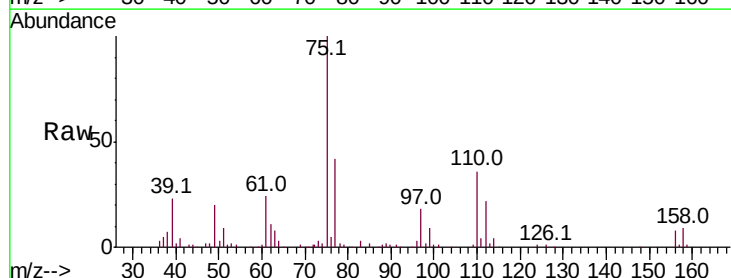
Acq: 03 Dec 2019 11:37

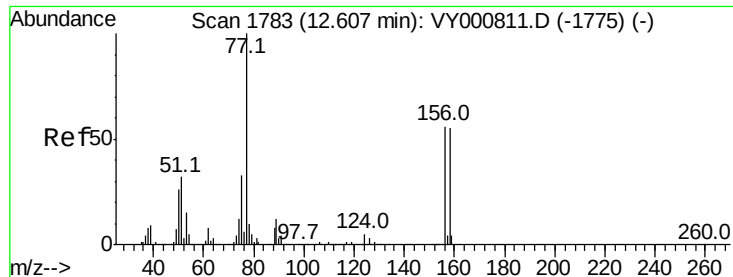
Tgt Ion: 75 Resp: 106440

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.125 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampled :

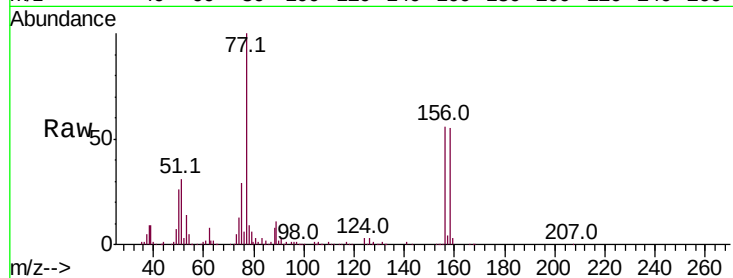
Tot Ion:156 Resp: 82918

Ion Ratio Lower Upper

156 100

77 210.7 102.6 307.7

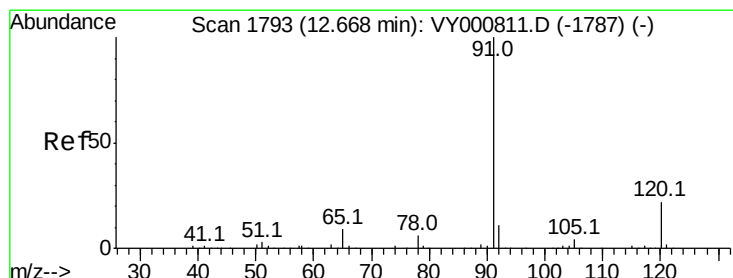
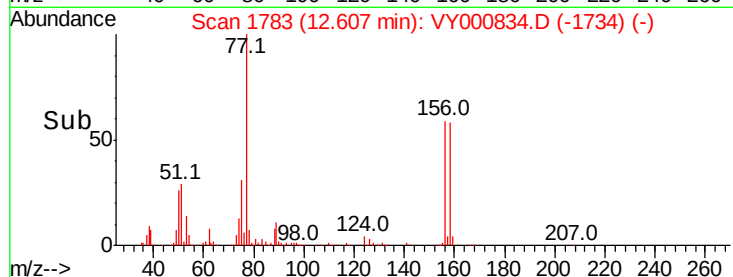
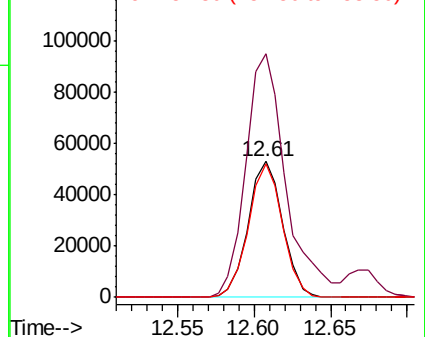
158 96.7 47.6 142.8



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: 20.091 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000834.D

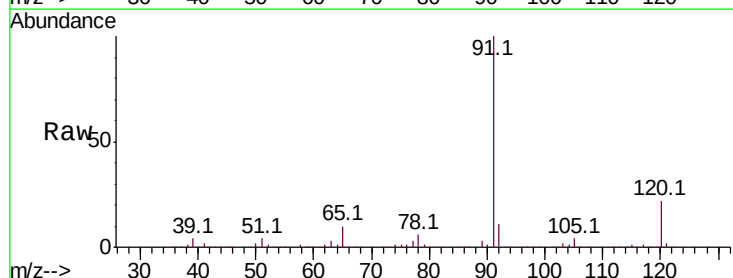
Acq: 03 Dec 2019 11:37

Tgt Ion: 91 Resp: 466287

Ion Ratio Lower Upper

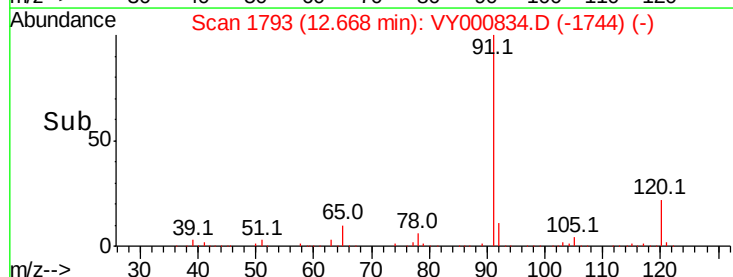
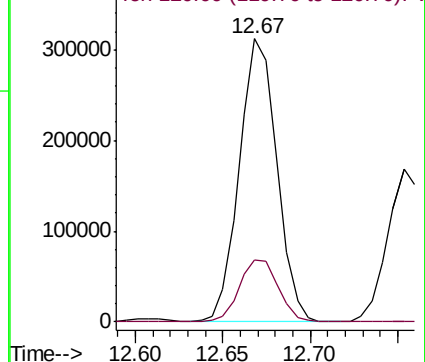
91 100

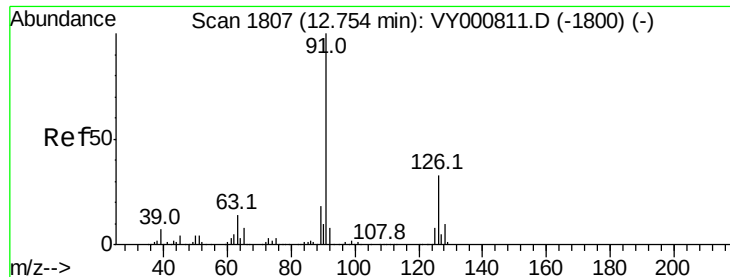
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

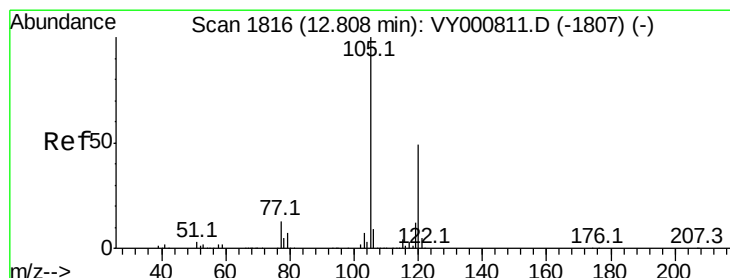
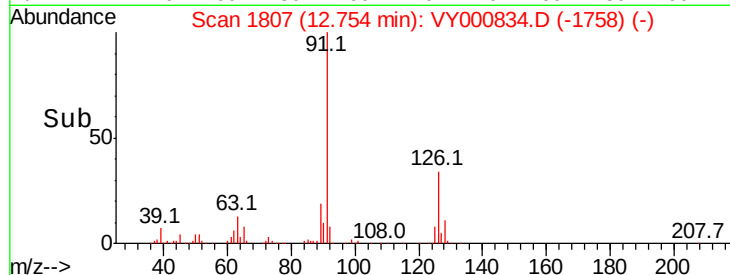
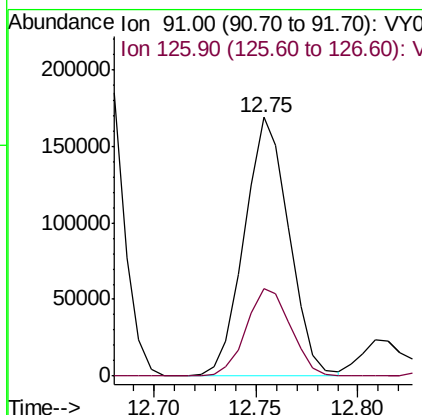
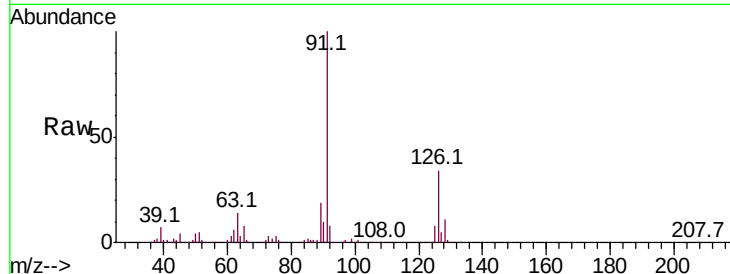




#79
 2-Chlorotoluene
 Concen: 20.038 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

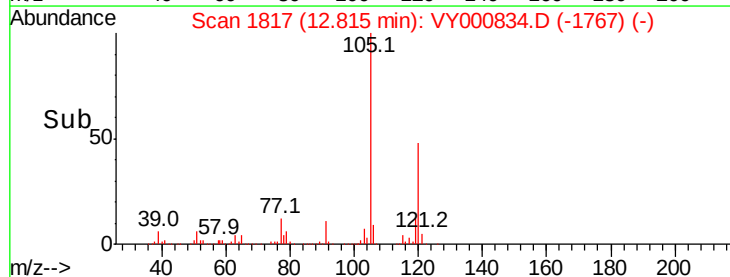
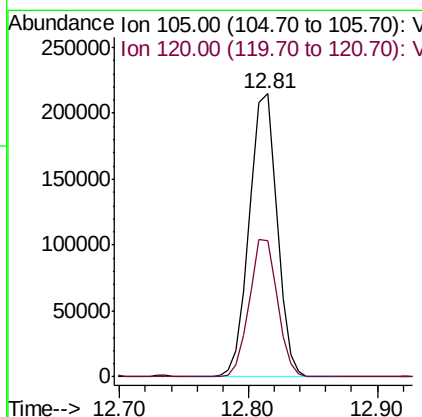
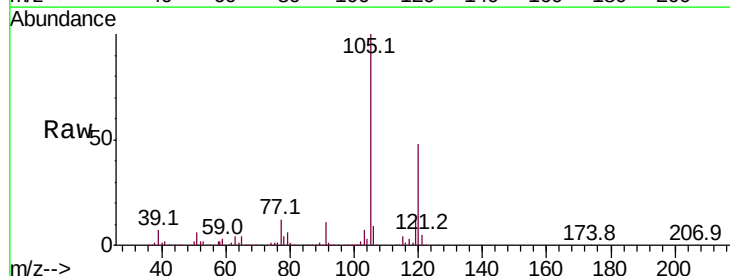
Instrument :
 MSVOA_Y
 ClientSampled :

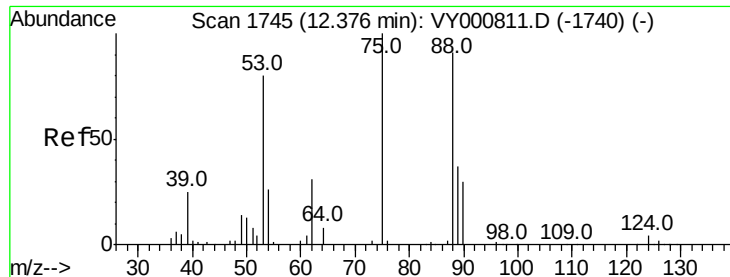
Tot Ion: 91 Resp: 256916
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.304 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion: 105 Resp: 319539
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.054 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampled :

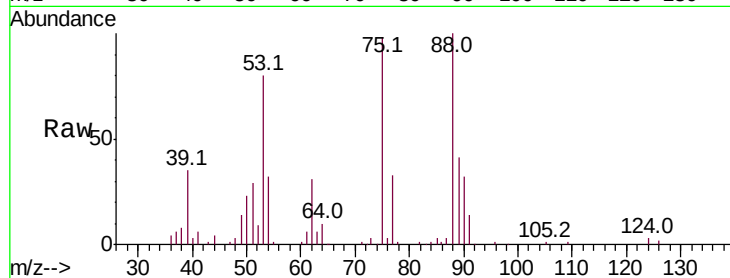
Tot Ion: 75 Resp: 27613

Ion Ratio Lower Upper

75 100

53 82.6 64.6 96.8

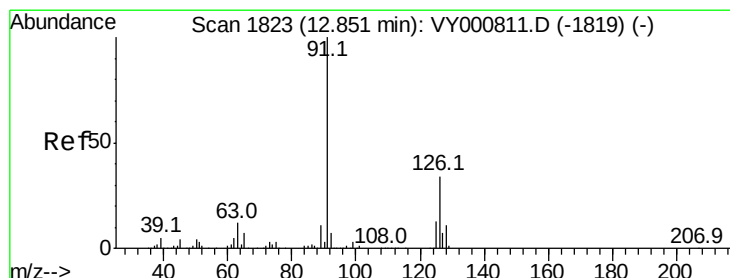
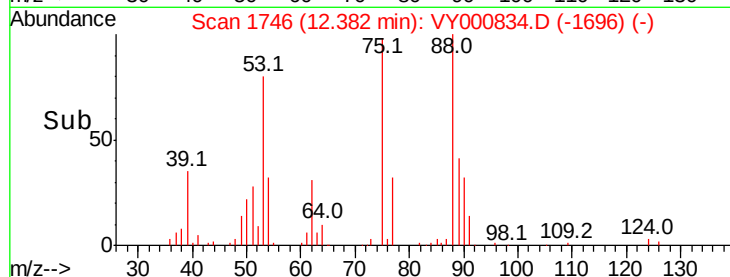
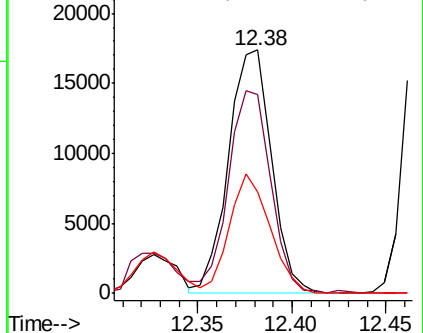
89 46.1 33.6 50.4



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 20.651 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000834.D

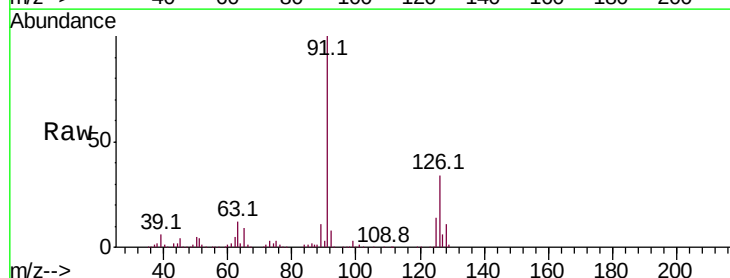
Acq: 03 Dec 2019 11:37

Tgt Ion: 91 Resp: 272790

Ion Ratio Lower Upper

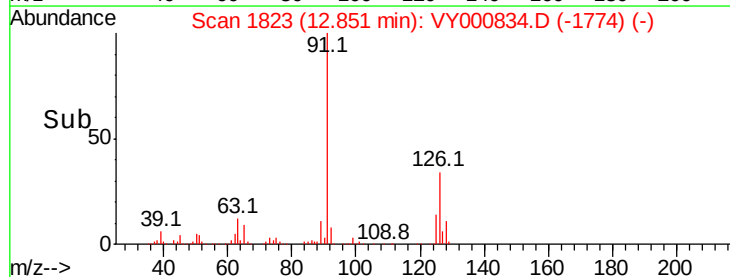
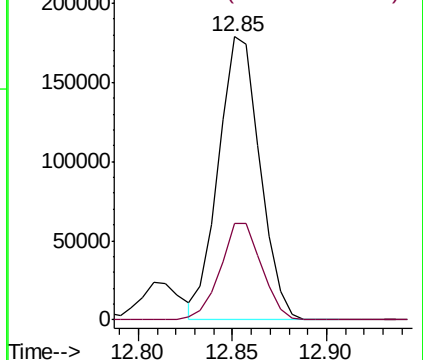
91 100

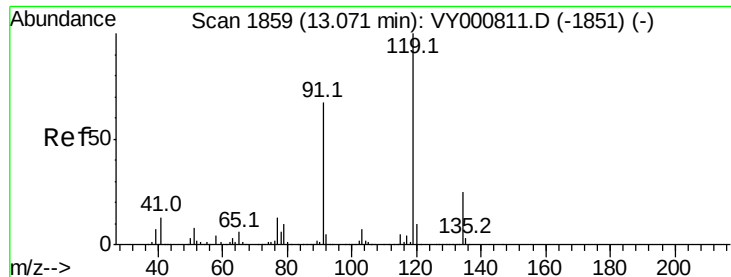
126 34.3 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

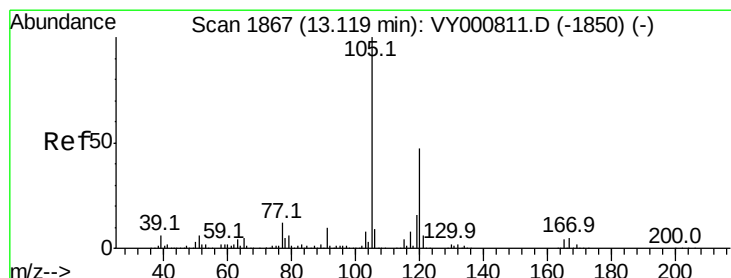
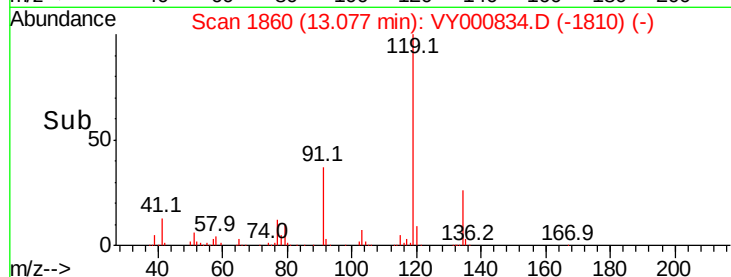
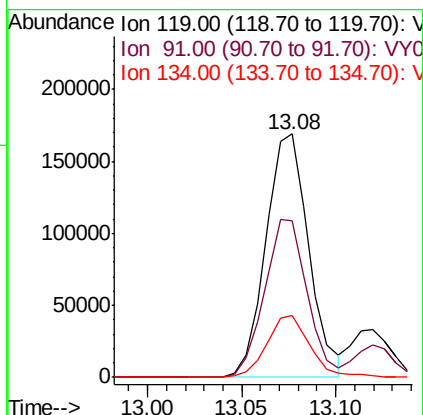
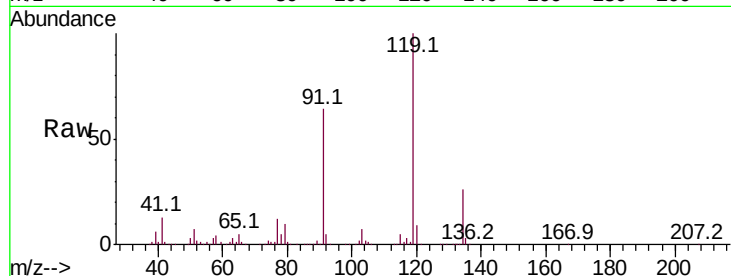




#83
 tert-Butylbenzene
 Concen: 20.154 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

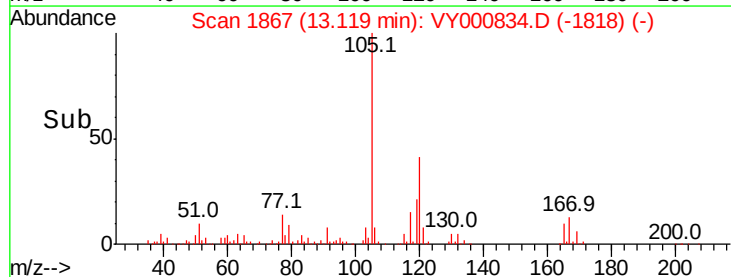
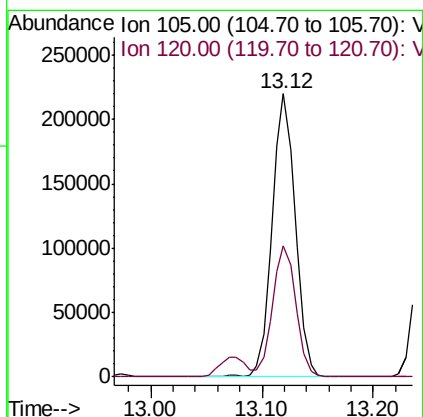
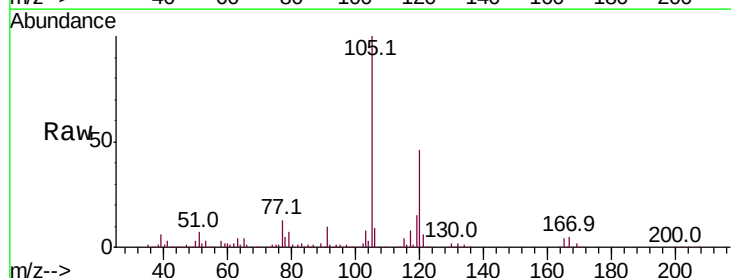
Instrument :
 MSVOA_Y
 ClientSampleId :

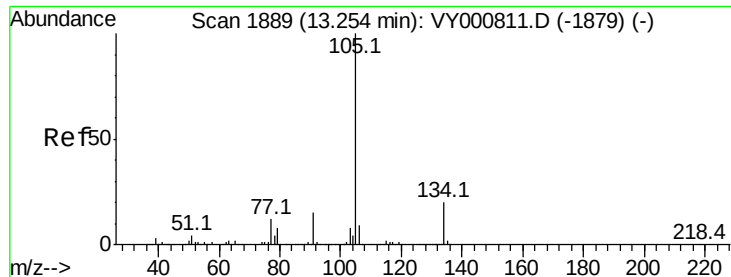
Tot Ion:119 Resp: 266663
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.3 96.8
 134 25.8 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.272 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion:105 Resp: 319188
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.6 67.8





#85

sec-Butylbenzene

Concen: 20.504 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

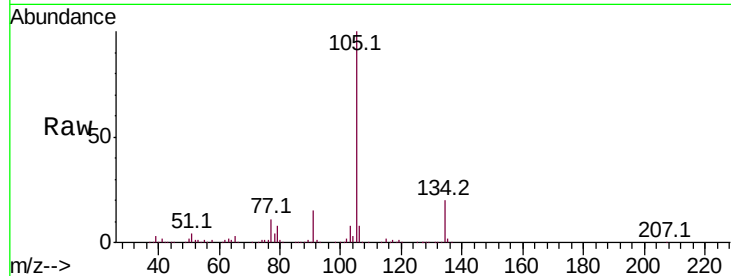
ClientSampleId :

Tot Ion:105 Resp: 394563

Ion Ratio Lower Upper

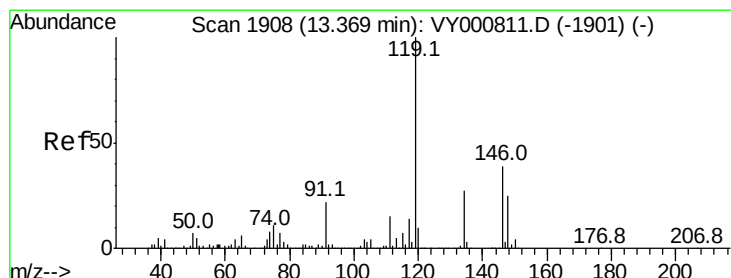
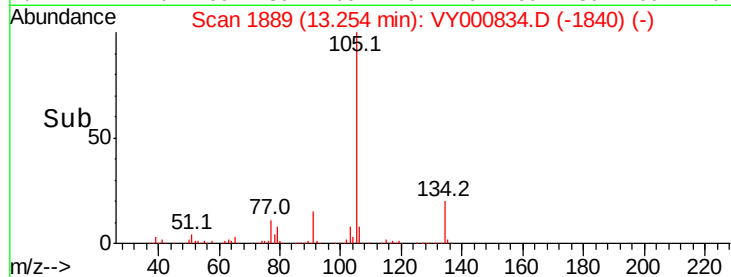
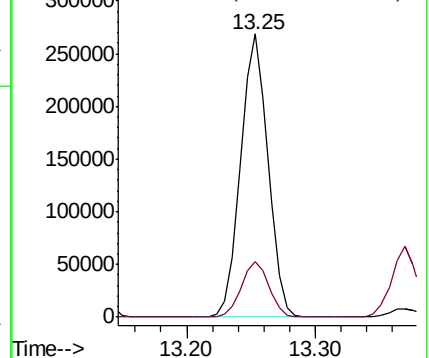
105 100

134 19.8 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: 20.618 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

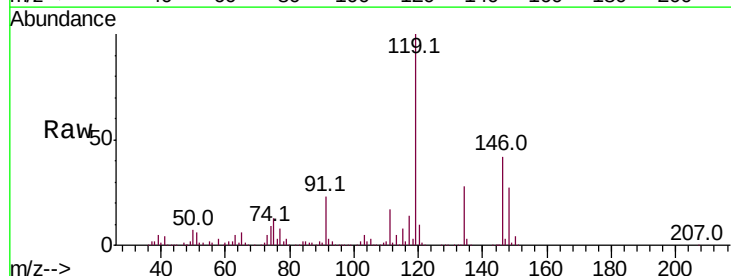
Tgt Ion:119 Resp: 345096

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

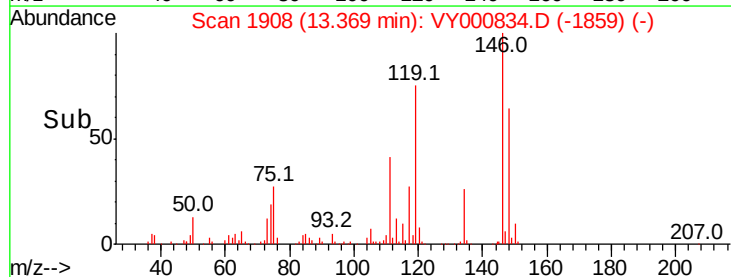
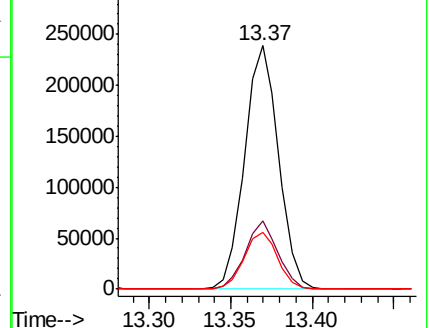
91 23.3 11.5 34.5

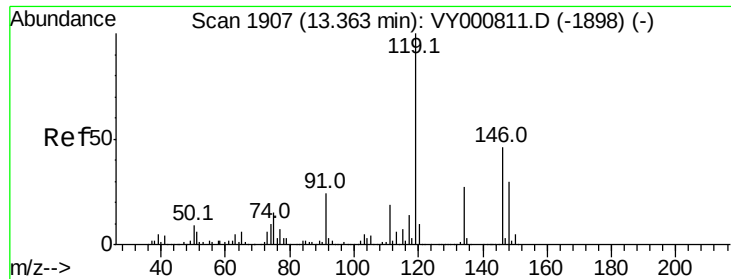


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 20.235 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

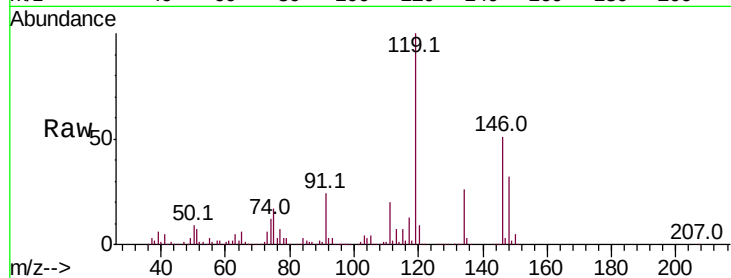
Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:146 Resp: 163547

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	64.1	32.1	96.5

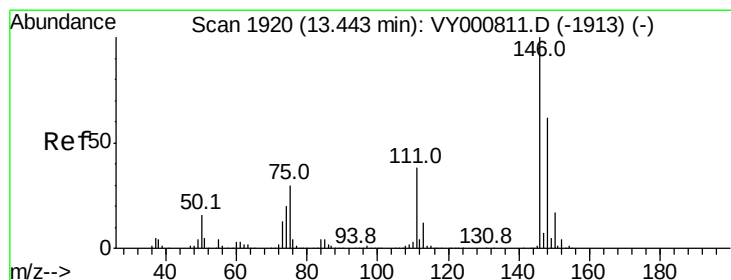
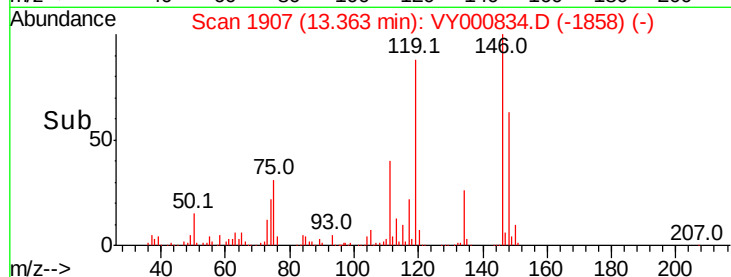
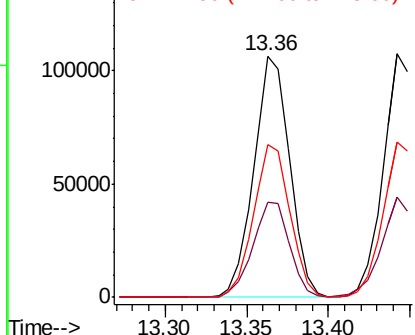


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.394 ug/l

RT: 13.44 min Scan# 1920

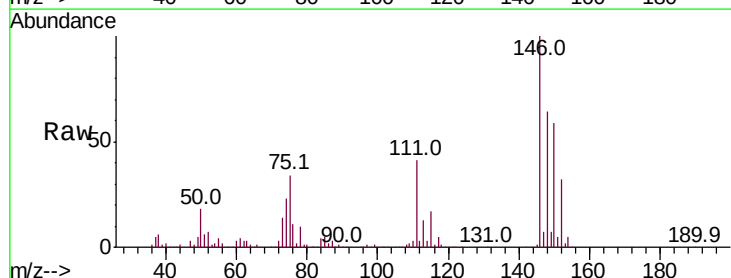
Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Tgt Ion:146 Resp: 163216

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.0	59.9
148	65.4	31.7	95.1

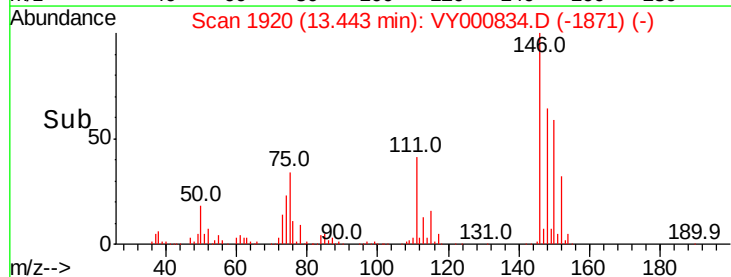
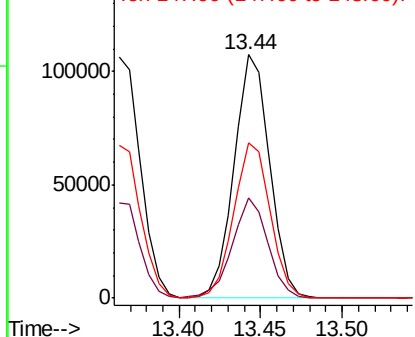


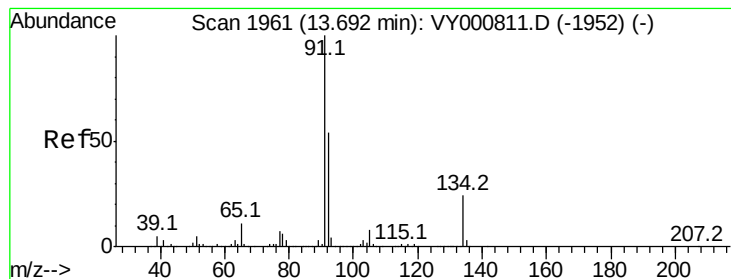
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.412 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampleId :

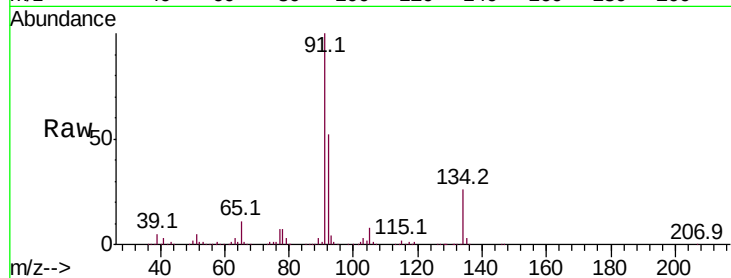
Tot Ion: 91 Resp: 345423

Ion Ratio Lower Upper

91 100

92 53.8 26.9 80.7

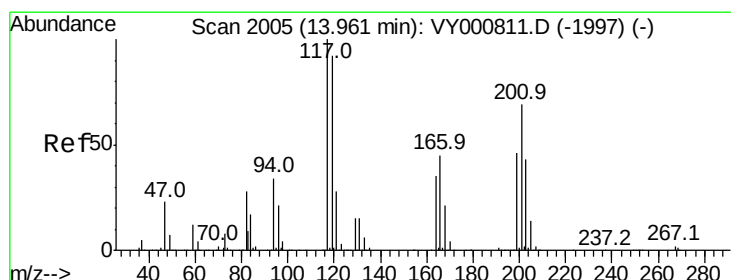
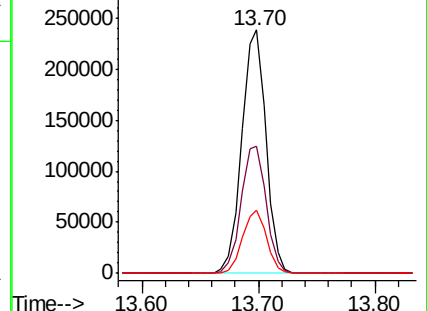
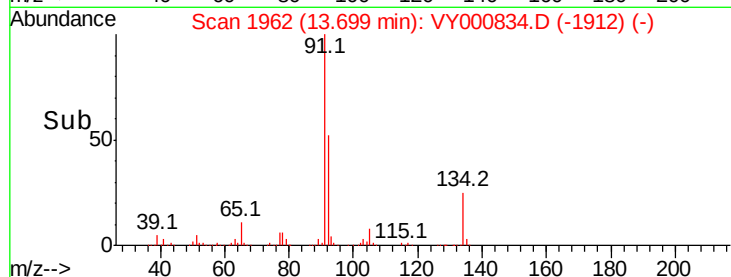
134 25.7 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VY000811.D (-1952) (-)

Ion 134.00 (133.70 to 134.70): VY000811.D (-1952) (-)



#90

Hexachloroethane

Concen: 19.880 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. 0.00 min

Lab File: VY000834.D

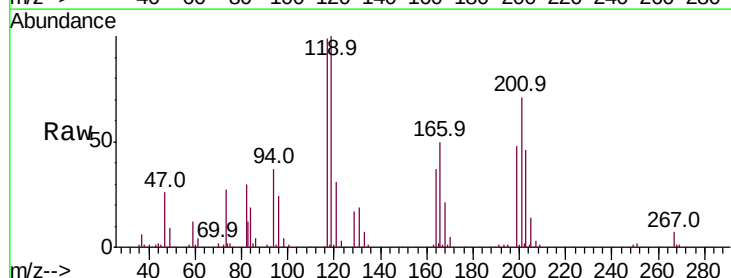
Acq: 03 Dec 2019 11:37

Tgt Ion: 117 Resp: 61294

Ion Ratio Lower Upper

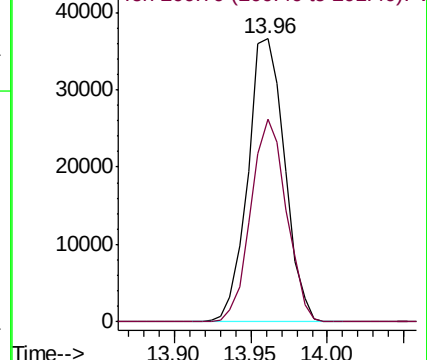
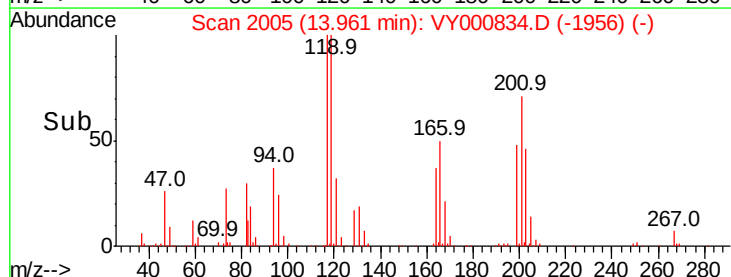
117 100

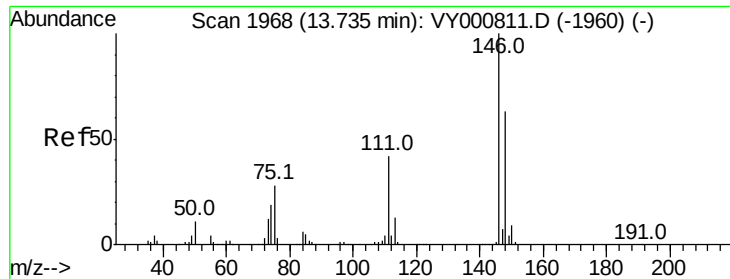
201 69.1 34.0 102.0



Abundance Ion 116.80 (116.50 to 117.50): VY000811.D (-1997) (-)

Ion 200.70 (200.40 to 201.40): VY000811.D (-1997) (-)





#91

1,2-Dichlorobenzene

Concen: 20.603 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

Instrument :

MSVOA_Y

ClientSampleId :

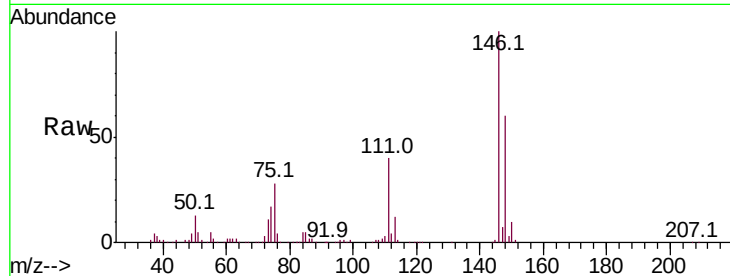
Tot Ion:146 Resp: 149789

Ion Ratio Lower Upper

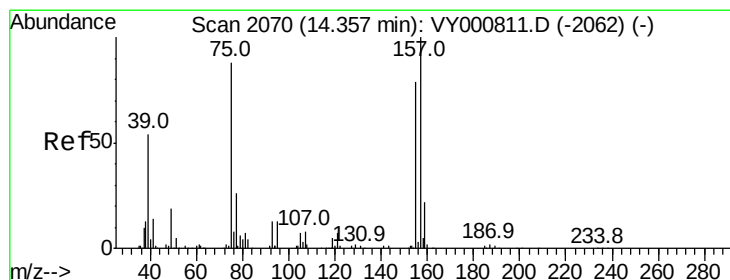
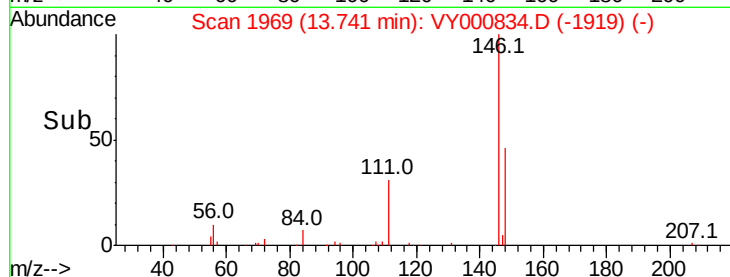
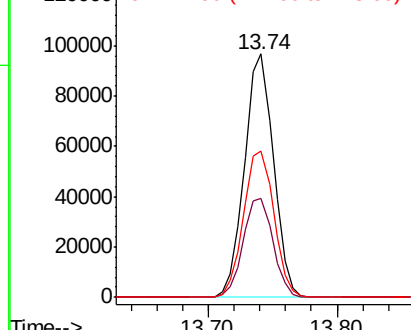
146 100

111 41.9 20.9 62.7

148 63.5 32.1 96.3



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: 20.946 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY000834.D

Acq: 03 Dec 2019 11:37

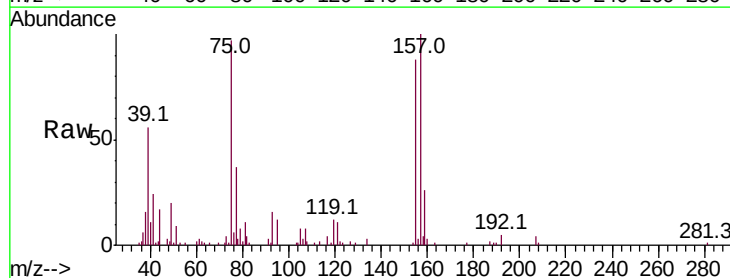
Tgt Ion: 75 Resp: 13133

Ion Ratio Lower Upper

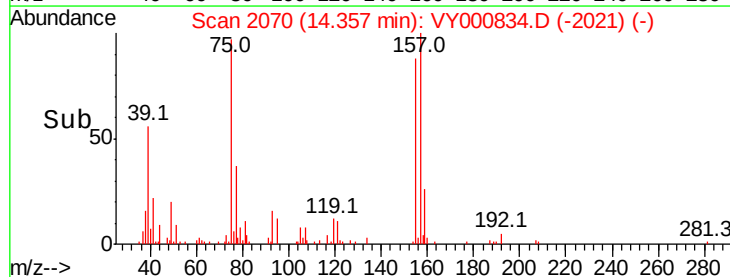
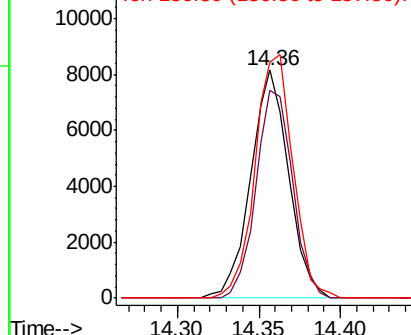
75 100

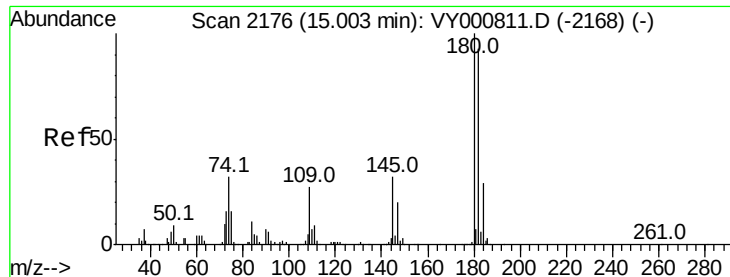
155 88.0 44.3 132.9

157 107.1 56.3 168.9



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

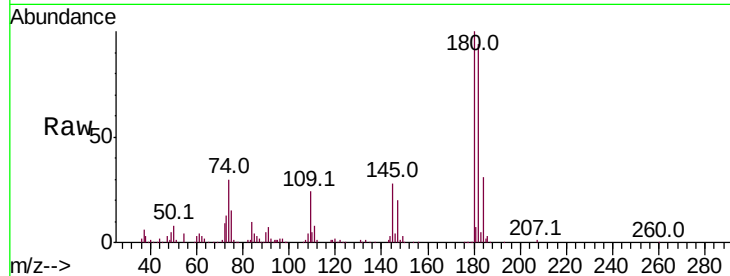




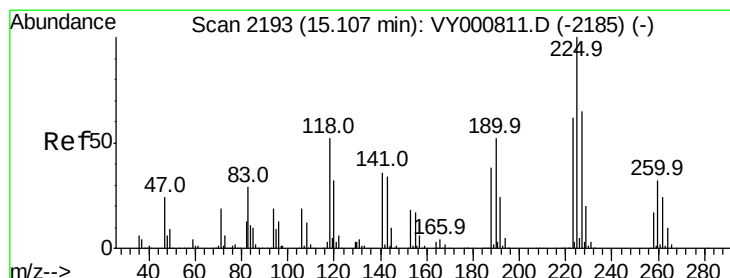
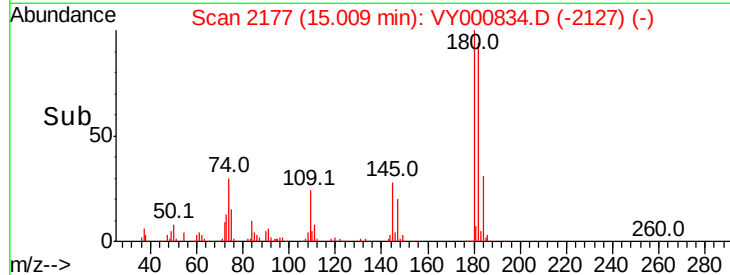
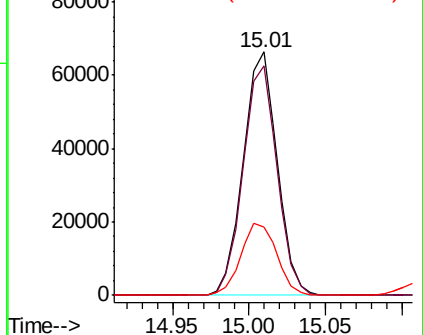
#93
 1,2,4-Trichlorobenzene
 Concen: 20.817 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 102411
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.3 141.9
 145 31.2 16.0 47.9

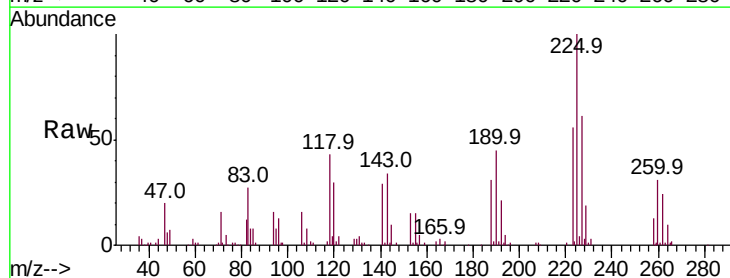


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

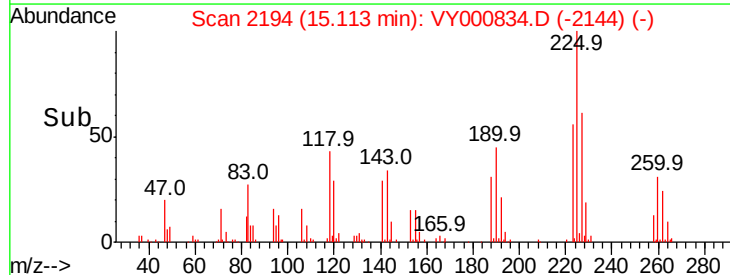
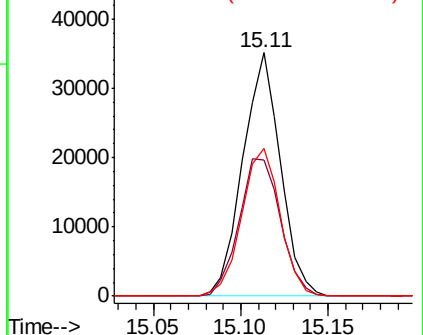


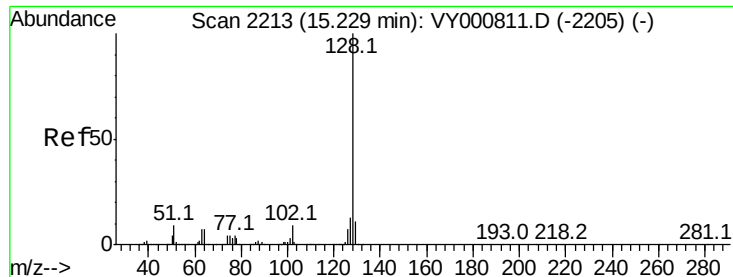
#94
 Hexachlorobutadiene
 Concen: 21.611 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000834.D
 Acq: 03 Dec 2019 11:37

Tgt Ion:225 Resp: 52711
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.4 94.3
 227 62.2 31.8 95.3



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

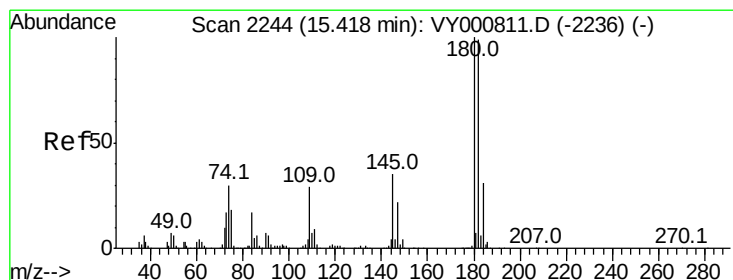
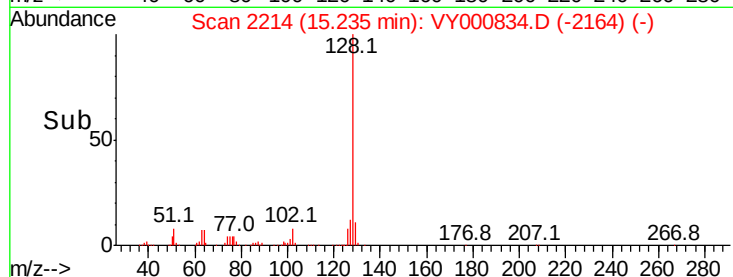
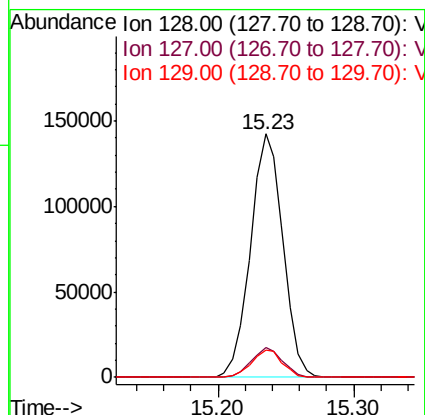
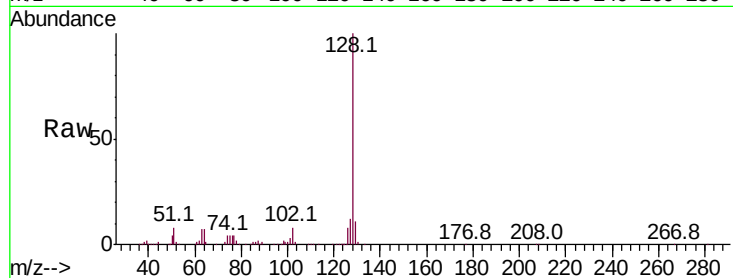




#95
Naphthalene
Concen: 20.768 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.1	15.1
129	10.9	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.133 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000834.D
Acq: 03 Dec 2019 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.0	144.0
145	33.9	16.9	50.6

