

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000542.D
 Acq On : 06 Nov 2019 11:51
 Operator : SY/MD
 Sample : VY1106SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Quant Time: Nov 07 04:54:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	244901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	403638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	359962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	138162	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
35) Dibromofluoromethane	7.73	113	124122	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	10.18	98	494325	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
62) 4-Bromofluorobenzene	12.48	95	174035	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	43998	18.250	ug/l	95
3) Chloromethane	2.12	50	63591	19.148	ug/l	94
4) Vinyl Chloride	2.26	62	59067	19.153	ug/l	94
5) Bromomethane	2.65	94	46076	24.915	ug/l	92
6) Chloroethane	2.79	64	37768	19.568	ug/l	95
7) Trichlorofluoromethane	3.13	101	85936	20.634	ug/l	100
8) Diethyl Ether	3.53	74	29054	19.633	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	50911	20.219	ug/l	99
10) Methyl Iodide	4.10	142	43875	15.591	ug/l	99
11) Tert butyl alcohol	4.97	59	23455	95.072	ug/l #	91
12) 1,1-Dichloroethene	3.88	96	50538	20.659	ug/l	97
13) Acrolein	3.73	56	17269	80.359	ug/l	97
14) Allyl chloride	4.48	41	82200	20.665	ug/l	96
15) Acrylonitrile	5.18	53	75393	99.452	ug/l	99
16) Acetone	3.96	43	57358	82.115	ug/l	94
17) Carbon Disulfide	4.20	76	156401	20.271	ug/l	100
18) Methyl Acetate	4.49	43	40518	18.655	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	134946	19.840	ug/l	100
20) Methylene Chloride	4.72	84	59616	19.918	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	56133	20.297	ug/l	98
22) Diisopropyl ether	6.13	45	173635	20.083	ug/l	94
23) Vinyl Acetate	6.07	43	553059	101.334	ug/l	96
24) 1,1-Dichloroethane	6.03	63	94195	20.110	ug/l	100
25) 2-Butanone	7.00	43	104615	93.844	ug/l	95
26) 2,2-Dichloropropane	6.99	77	88302	20.629	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	62269	20.591	ug/l	99
28) Bromochloromethane	7.34	49	24822	14.761	ug/l	99
29) Tetrahydrofuran	7.36	42	67300	98.683	ug/l	99
30) Chloroform	7.52	83	98022	20.687	ug/l	93
31) Cyclohexane	7.79	56	99974	20.379	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	86995	20.601	ug/l	99
36) 1,1-Dichloropropene	7.93	75	79252	20.769	ug/l	99
37) Ethyl Acetate	7.09	43	45478	20.075	ug/l	98
38) Carbon Tetrachloride	7.91	117	77929	21.224	ug/l	96

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VY1106SBS01

Quant Time: Nov 07 04:54:21 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	101729	20.636	ug/l	96
40) Benzene	8.17	78	227641	20.349	ug/l	97
41) Methacrylonitrile	7.35	41	59637	47.188	ug/l #	45
42) 1,2-Dichloroethane	8.25	62	65500	20.643	ug/l	100
43) Isopropyl Acetate	8.28	43	85922	20.190	ug/l	100
44) Trichloroethene	8.94	130	60818	20.619	ug/l	99
45) 1,2-Dichloropropane	9.22	63	55158	20.033	ug/l	93
46) Dibromomethane	9.31	93	30908	20.412	ug/l	99
47) Bromodichloromethane	9.50	83	73504	20.458	ug/l	98
48) Methyl methacrylate	9.30	41	36819	19.802	ug/l	98
49) 1,4-Dioxane	9.32	88	8203	402.516	ug/l	88
51) 4-Methyl-2-Pentanone	10.08	43	229382	101.378	ug/l	99
52) Toluene	10.25	92	145617	20.588	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	77177	20.103	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	90646	20.611	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	45533	20.790	ug/l	91
56) Ethyl methacrylate	10.51	69	61308	19.750	ug/l	97
57) 1,3-Dichloropropane	10.79	76	79924	20.850	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	137267	97.813	ug/l	98
59) 2-Hexanone	10.83	43	162504	98.574	ug/l	99
60) Dibromochloromethane	10.99	129	50817	20.257	ug/l	99
61) 1,2-Dibromoethane	11.09	107	42972	20.406	ug/l	96
64) Tetrachloroethene	10.72	164	60600	20.360	ug/l	98
65) Chlorobenzene	11.52	112	150146	20.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	53065	20.965	ug/l	98
67) Ethyl Benzene	11.59	91	277370	20.650	ug/l	98
68) m/p-Xylenes	11.70	106	214919	41.341	ug/l	99
69) o-Xylene	12.03	106	99320	20.328	ug/l	99
70) Styrene	12.05	104	173339	20.719	ug/l	99
71) Bromoform	12.21	173	29981	20.594	ug/l #	98
73) Isopropylbenzene	12.33	105	273751	21.153	ug/l	100
74) N-amyl acetate	12.14	43	76529	20.648	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	53121	20.731	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	71318	35.770	ug/l #	100
77) Bromobenzene	12.61	156	61268	20.877	ug/l	96
78) n-propylbenzene	12.67	91	328167	21.016	ug/l	100
79) 2-Chlorotoluene	12.75	91	180853	20.863	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	232302	21.553	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	17924	20.157	ug/l	96
82) 4-Chlorotoluene	12.85	91	190406	21.190	ug/l	98
83) tert-Butylbenzene	13.08	119	193272	21.001	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	229902	21.423	ug/l	99
85) sec-Butylbenzene	13.25	105	277223	21.143	ug/l	99
86) p-Isopropyltoluene	13.37	119	249181	21.324	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	122848	21.371	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	122008	21.241	ug/l	100
89) n-Butylbenzene	13.70	91	242223	21.016	ug/l	100
90) Hexachloroethane	13.96	117	45009	20.834	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	109452	20.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9690	21.367	ug/l	91

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration

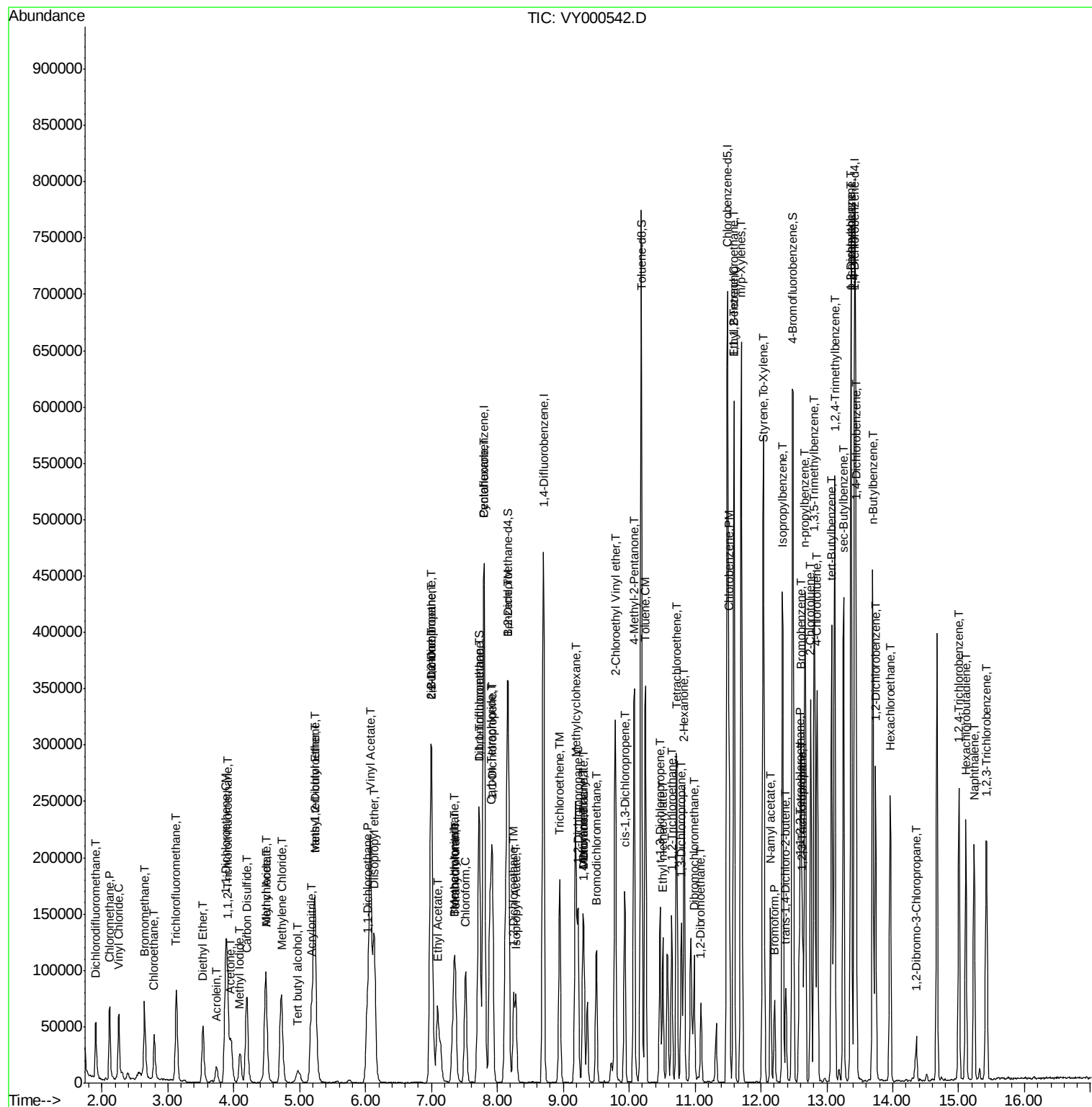
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	74422	20.957	ug/l	99
94) Hexachlorobutadiene	15.11	225	40057	21.882	ug/l	98
95) Naphthalene	15.23	128	165128	20.946	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	66798	20.966	ug/l	99

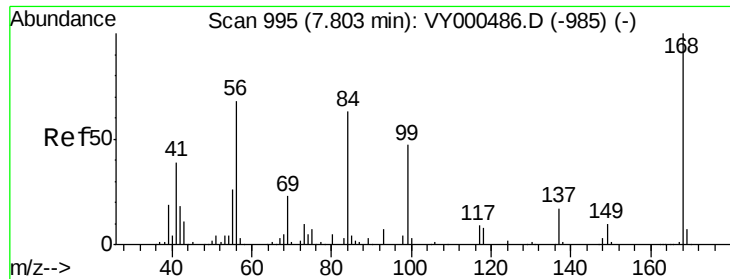
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

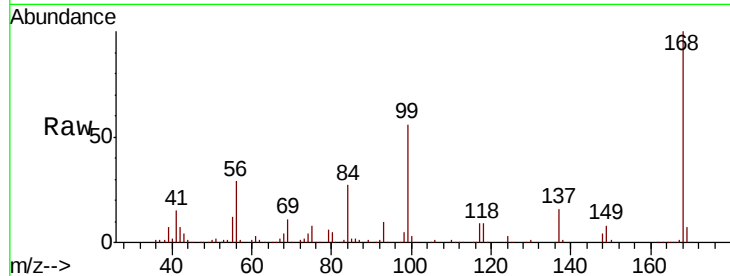
VY1106SBS01

Tot Ion:168 Resp: 244901

Ion Ratio Lower Upper

168 100

99 56.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

120000

100000

80000

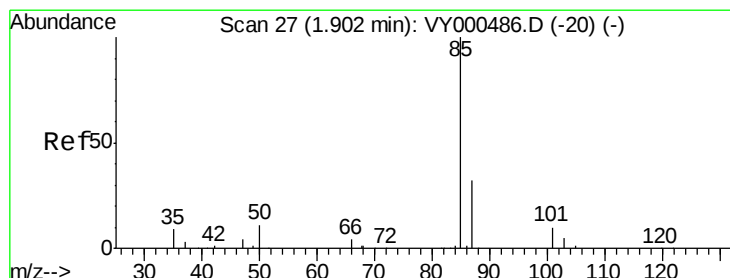
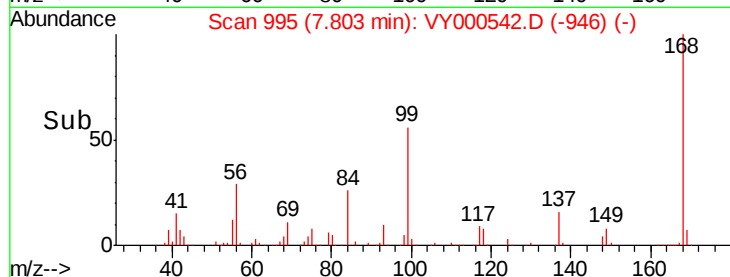
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.250 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000542.D

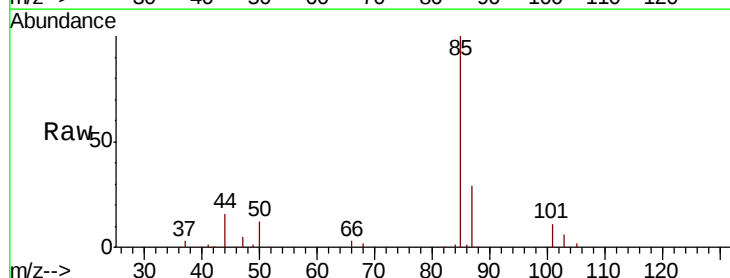
Acq: 06 Nov 2019 11:51

Tgt Ion: 85 Resp: 43998

Ion Ratio Lower Upper

85 100

87 28.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000486.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000486.D (-20) (-)

1.90

30000

25000

20000

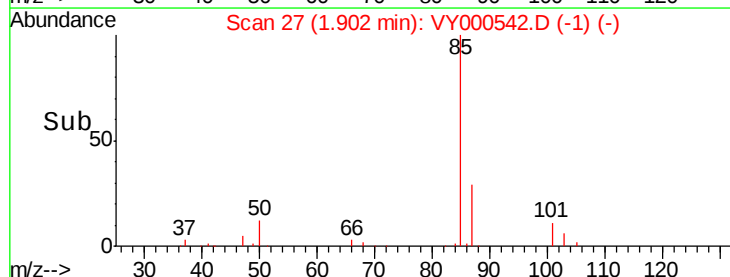
15000

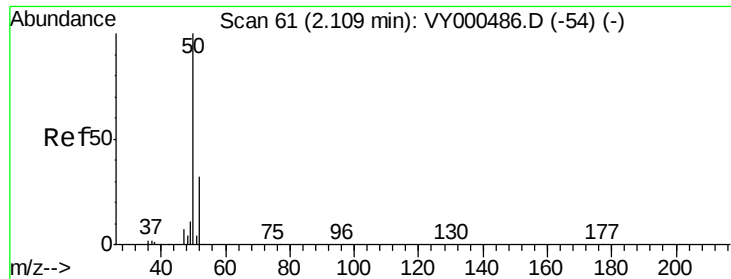
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.148 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

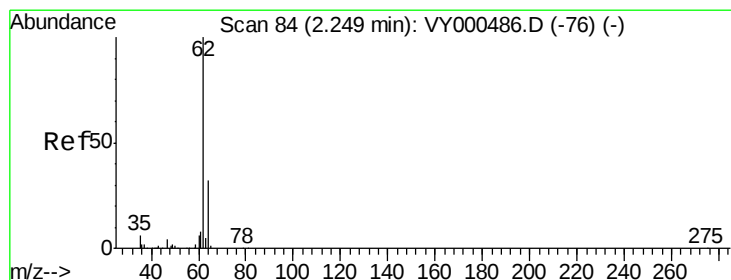
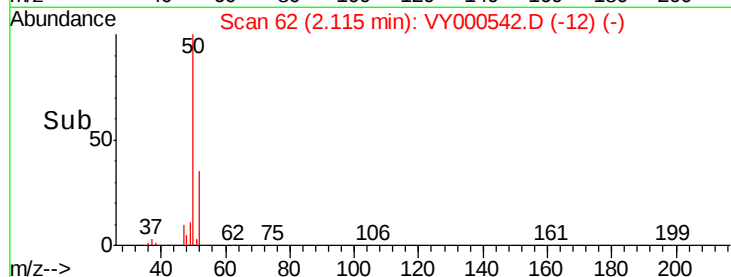
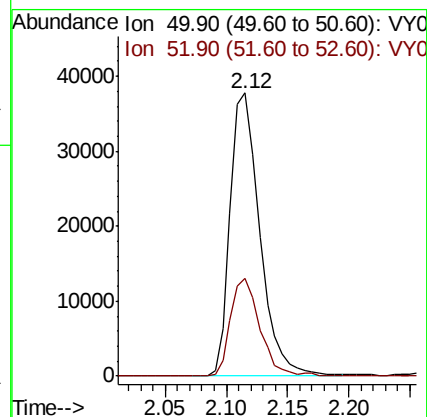
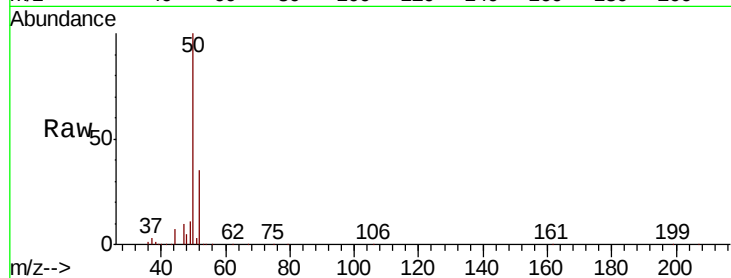
VY1106SBS01

Tot Ion: 50 Resp: 63591

Ion Ratio Lower Upper

50 100

52 34.7 25.2 37.8



#4

Vinyl Chloride

Concen: 19.153 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000542.D

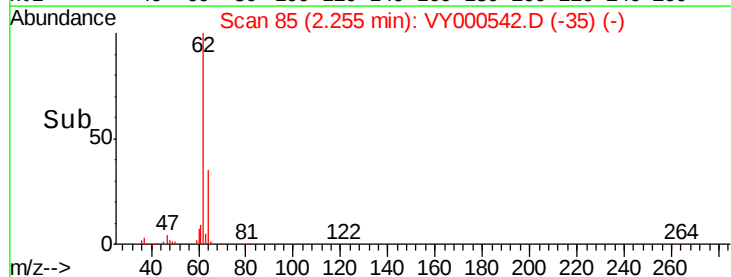
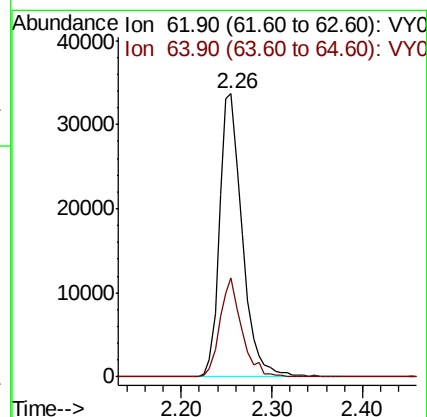
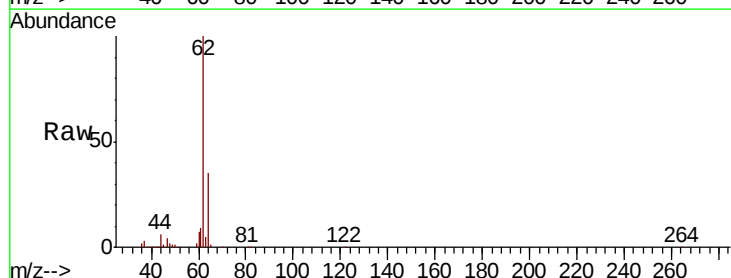
Acq: 06 Nov 2019 11:51

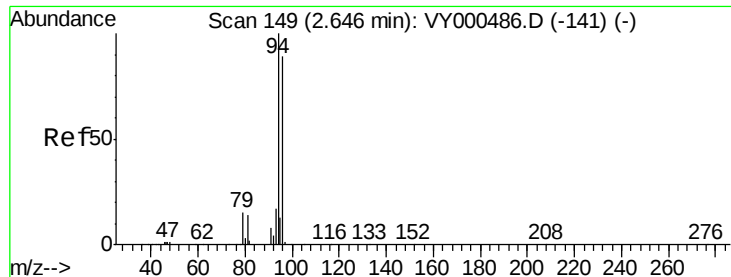
Tgt Ion: 62 Resp: 59067

Ion Ratio Lower Upper

62 100

64 35.1 25.2 37.8





#5

Bromomethane

Concen: 24.915 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

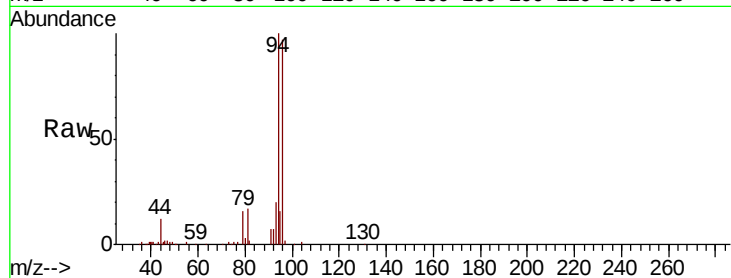
VY1106SBS01

Tot Ion: 94 Resp: 46076

Ion Ratio Lower Upper

94 100

96 96.7 71.2 106.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

25000

20000

15000

10000

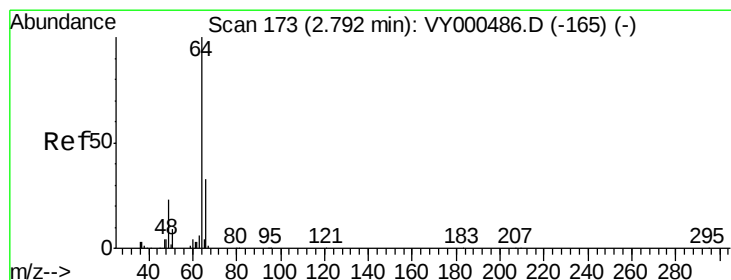
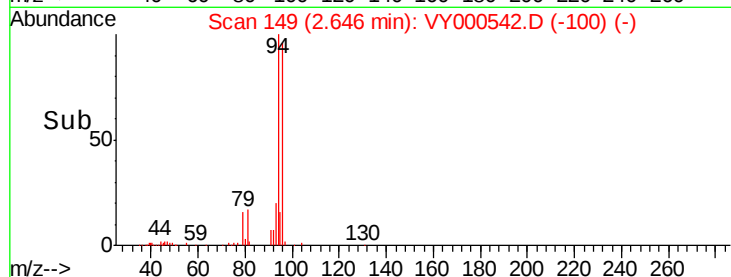
5000

0

Time-->

2.60

2.70



#6

Chloroethane

Concen: 19.568 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000542.D

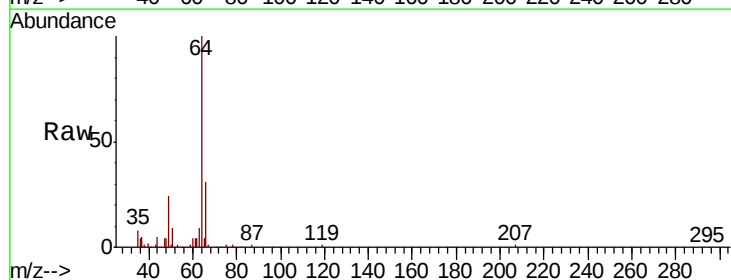
Acq: 06 Nov 2019 11:51

Tgt Ion: 64 Resp: 37768

Ion Ratio Lower Upper

64 100

66 30.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

20000

15000

10000

5000

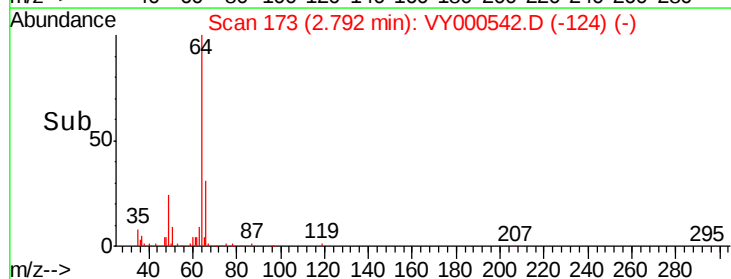
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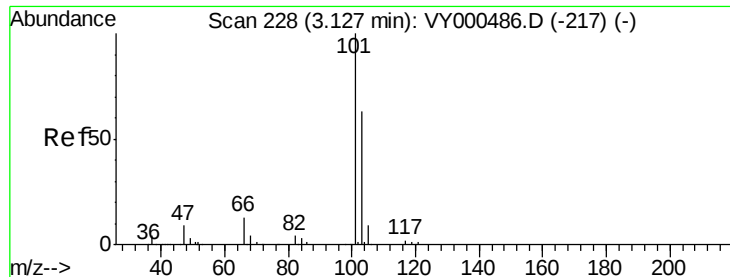
Time-->

2.70

2.80

2.90



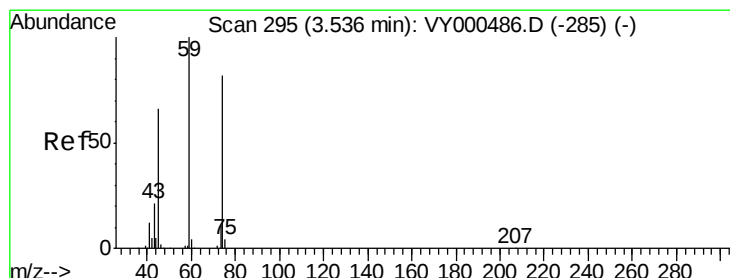
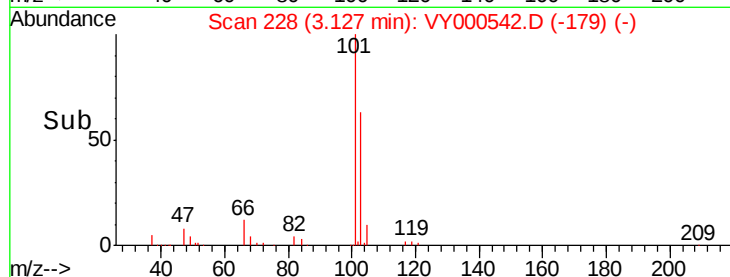
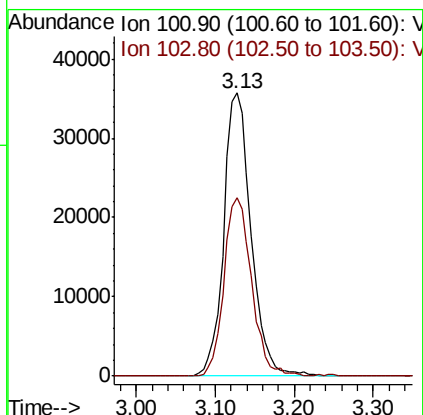
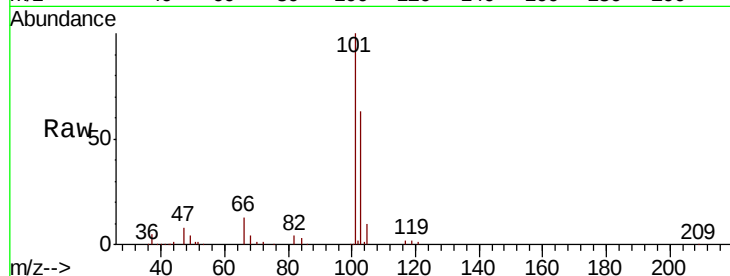


#7

Trichlorofluoromethane
 Concen: 20.634 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

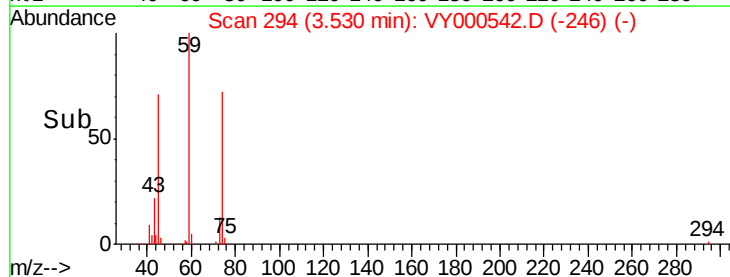
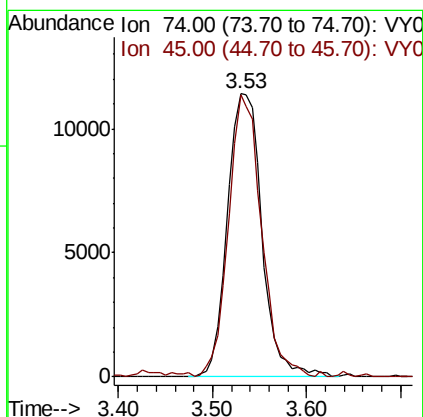
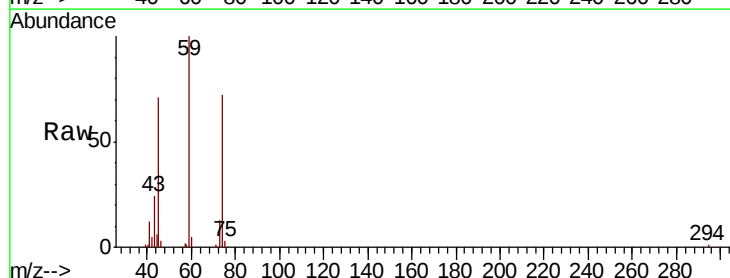
Tot Ion:101 Resp: 85936
 Ion Ratio Lower Upper
 101 100
 103 62.9 50.5 75.7



#8

Diethyl Ether
 Concen: 19.633 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion: 74 Resp: 29054
 Ion Ratio Lower Upper
 74 100
 45 95.1 45.5 136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.219 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

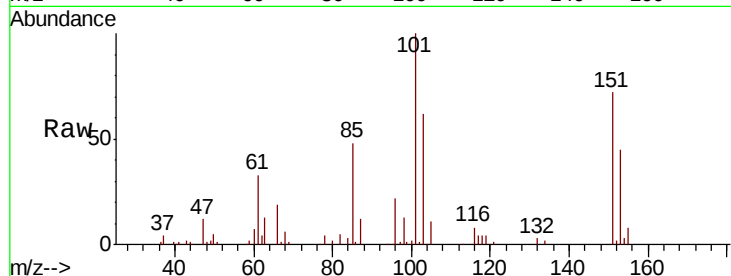
Tot Ion:101 Resp: 50911

Ion Ratio Lower Upper

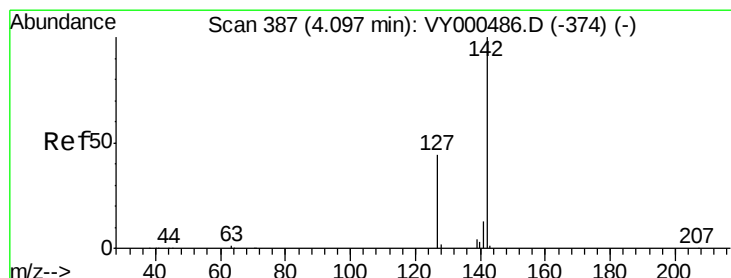
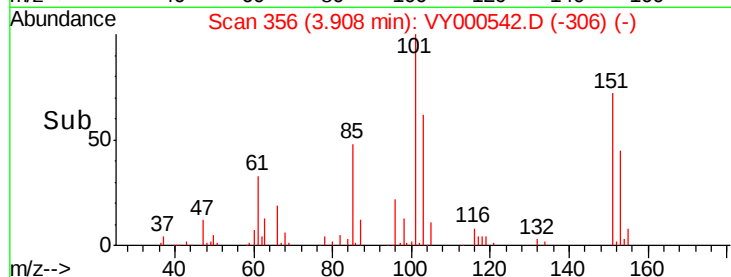
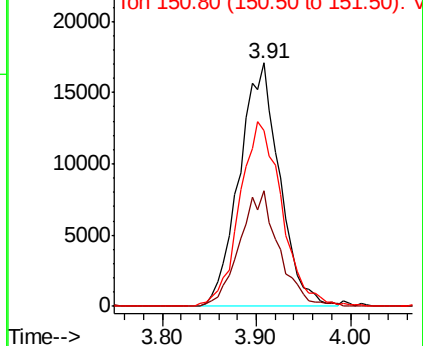
101 100

85 46.1 36.7 55.1

151 79.8 64.3 96.5



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: 15.591 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

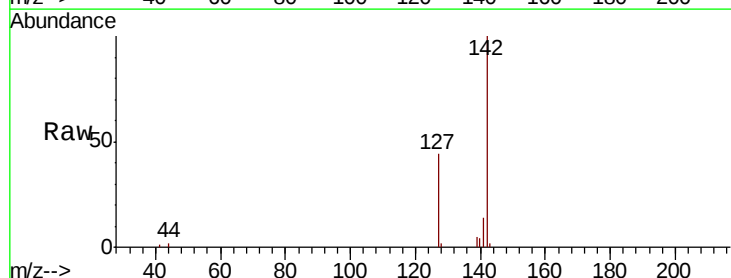
Tgt Ion:142 Resp: 43875

Ion Ratio Lower Upper

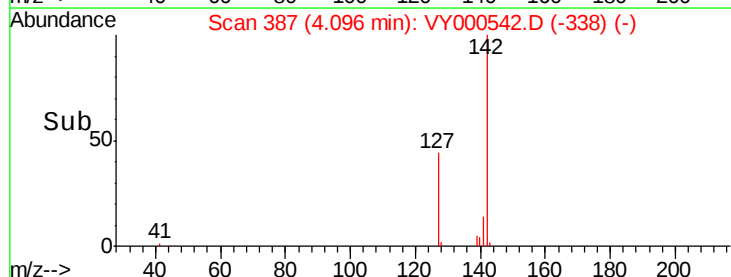
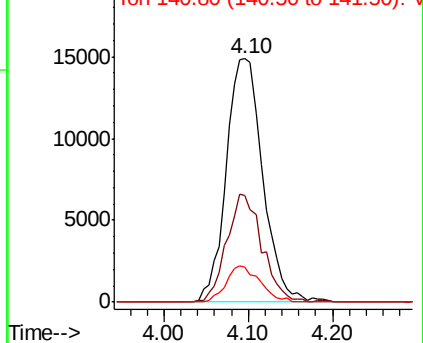
142 100

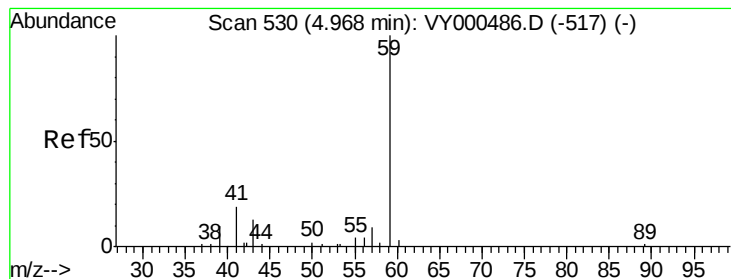
127 42.6 33.7 50.5

141 13.6 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: 95.072 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

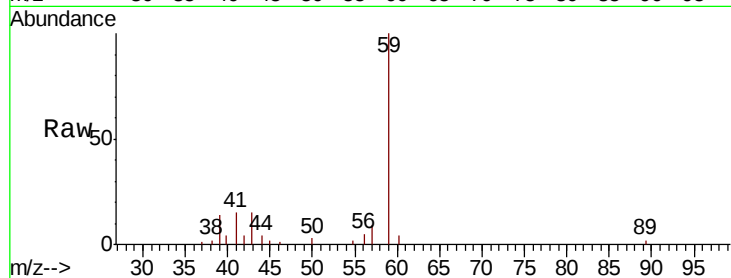
VY1106SBS01

Tot Ion: 59 Resp: 23455

Ion Ratio Lower Upper

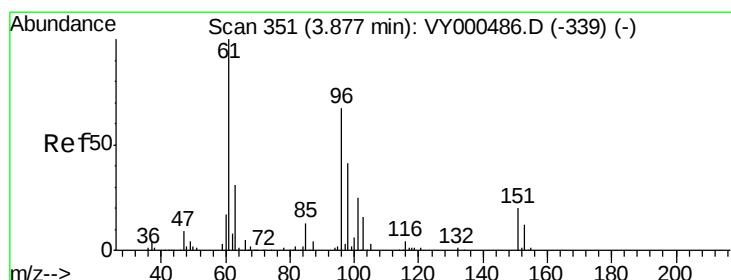
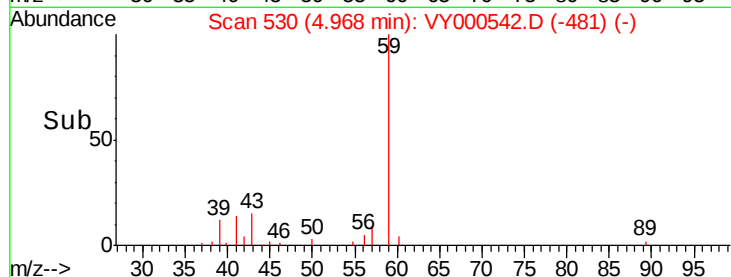
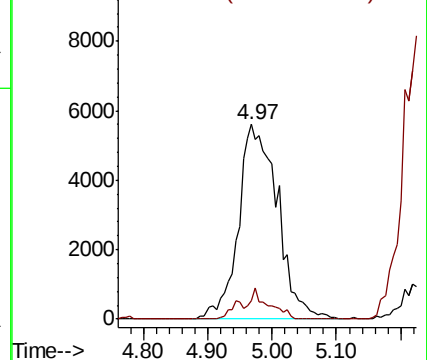
59 100

57 7.4 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#12

1,1-Dichloroethene

Concen: 20.659 ug/l

RT: 3.88 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

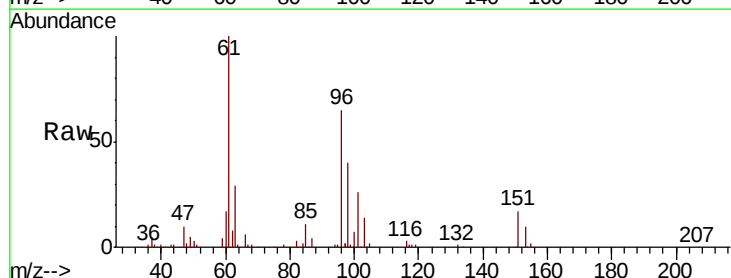
Tgt Ion: 96 Resp: 50538

Ion Ratio Lower Upper

96 100

61 153.2 119.2 178.8

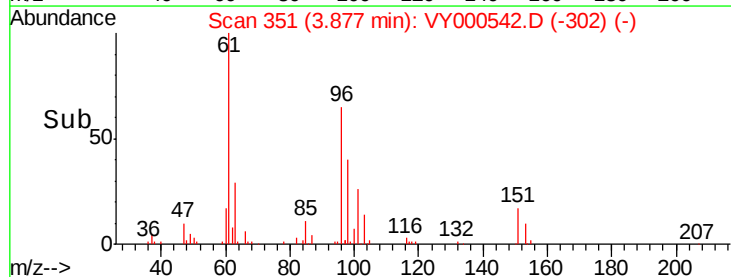
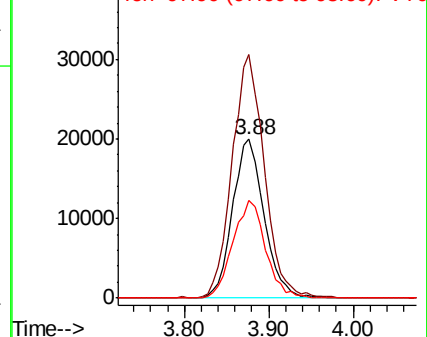
98 61.5 48.6 73.0

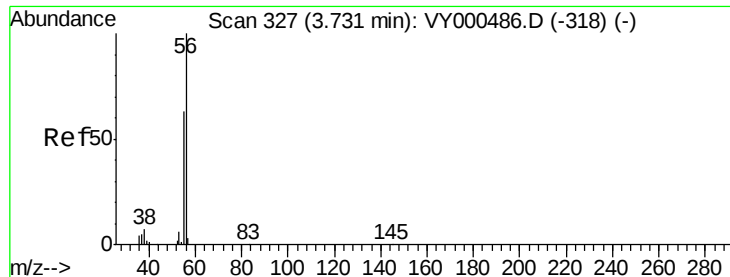


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#13

Acrolein

Concen: 80.359 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

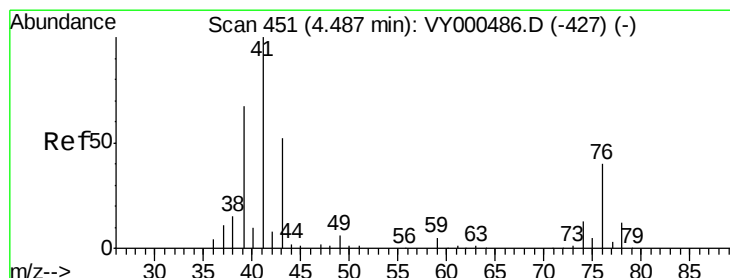
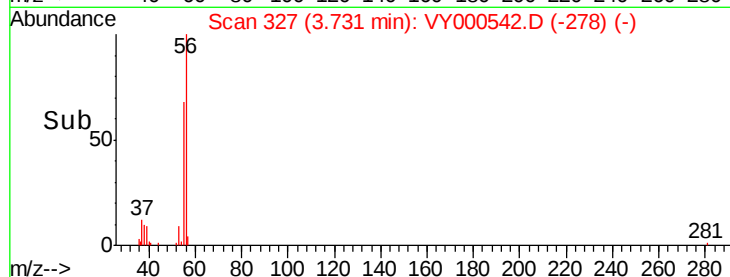
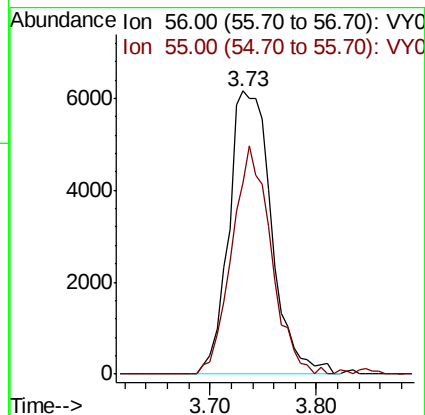
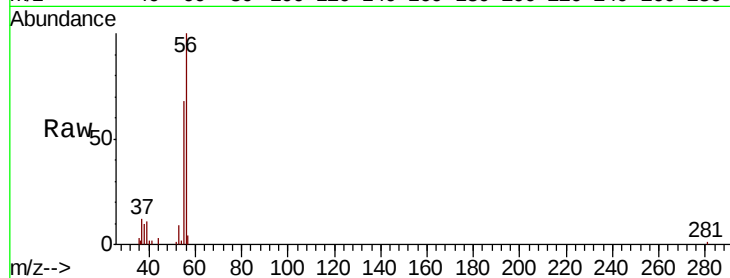
VY1106SBS01

Tot Ion: 56 Resp: 17269

Ion Ratio Lower Upper

56 100

55 74.1 57.0 85.6



#14

Allyl chloride

Concen: 20.665 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

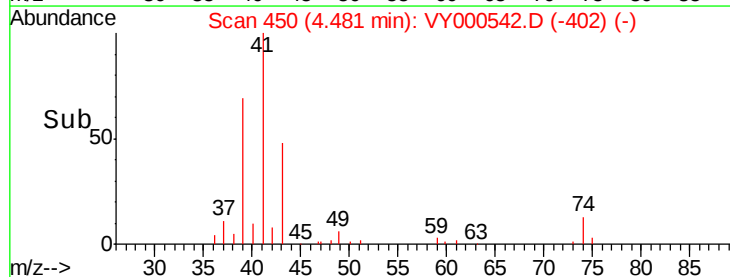
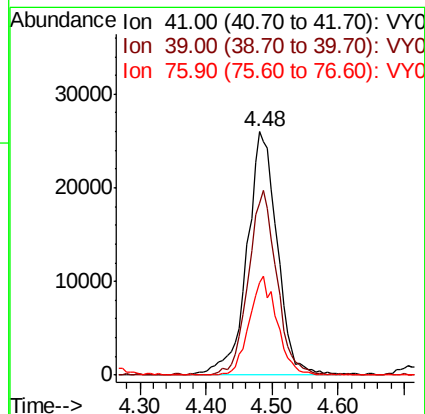
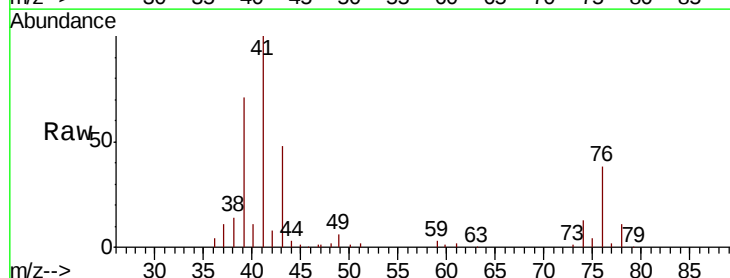
Tgt Ion: 41 Resp: 82200

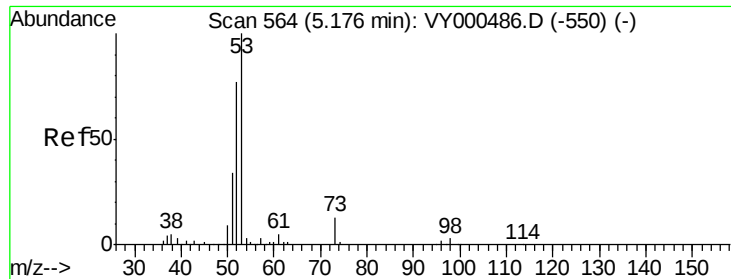
Ion Ratio Lower Upper

41 100

39 71.5 53.6 80.4

76 37.2 29.8 44.6





#15

Acrylonitrile

Concen: 99.452 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

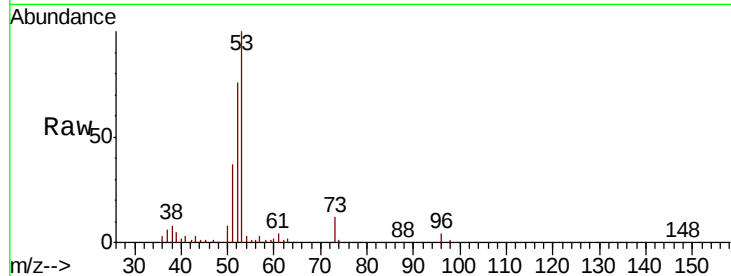
Tot Ion: 53 Resp: 75393

Ion Ratio Lower Upper

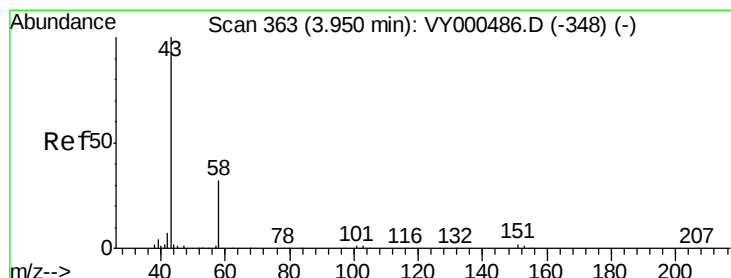
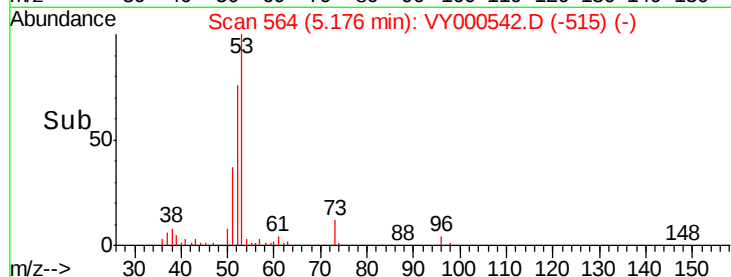
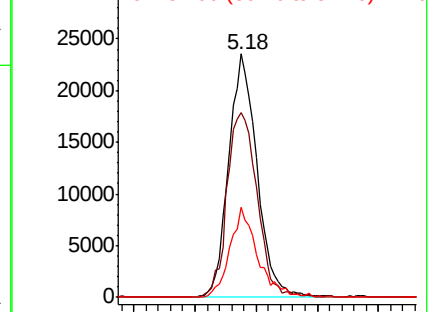
53 100

52 80.4 64.9 97.3

51 35.5 27.6 41.4



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: 82.115 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000542.D

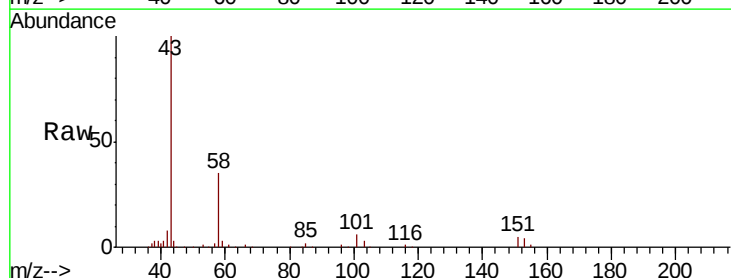
Acq: 06 Nov 2019 11:51

Tgt Ion: 43 Resp: 57358

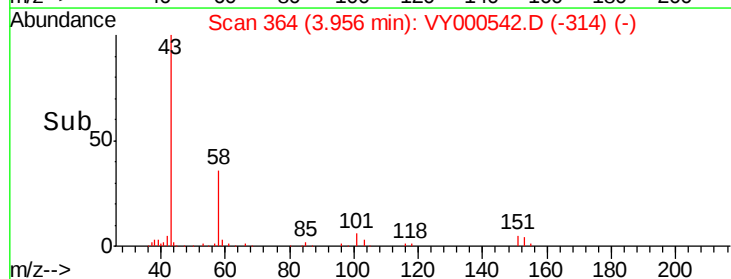
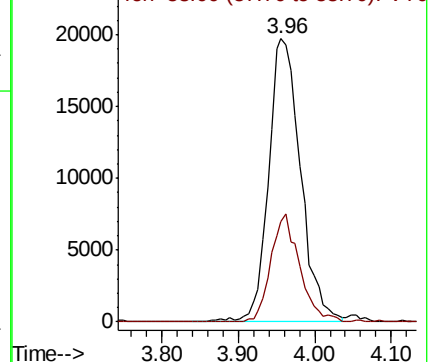
Ion Ratio Lower Upper

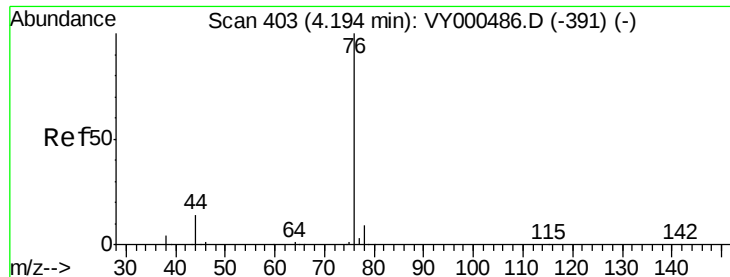
43 100

58 35.4 25.8 38.6



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

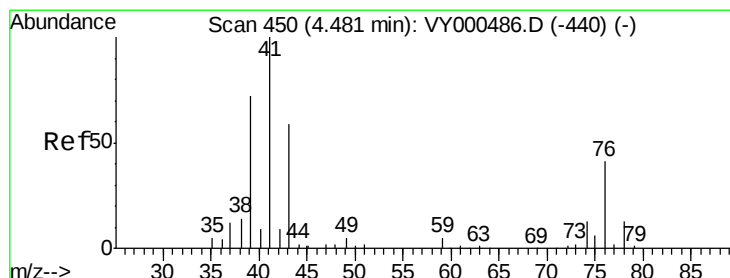
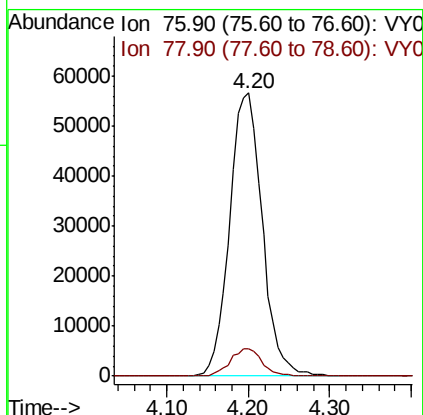
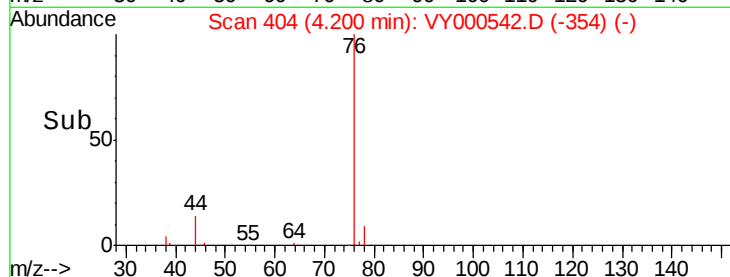
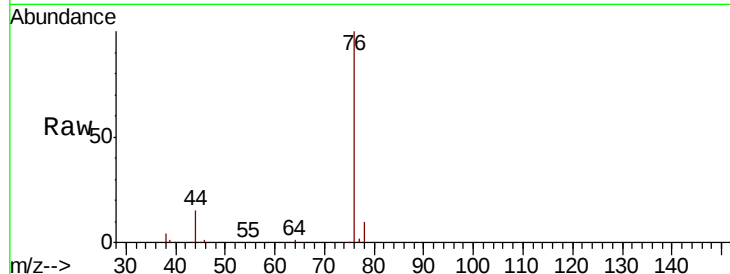




#17
Carbon Disulfide
Concen: 20.271 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

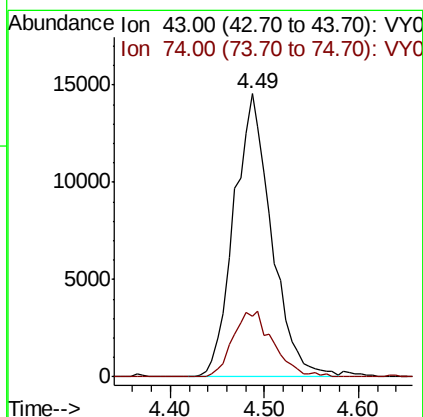
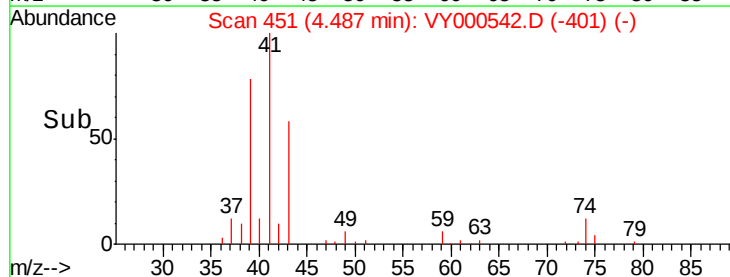
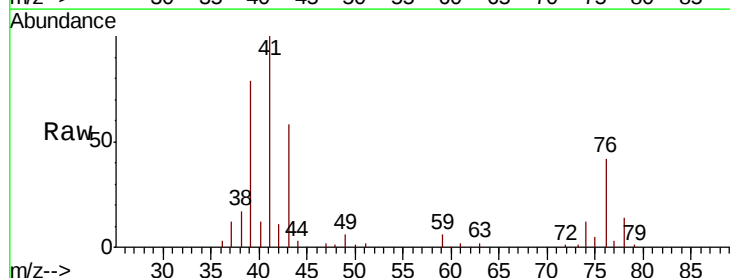
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

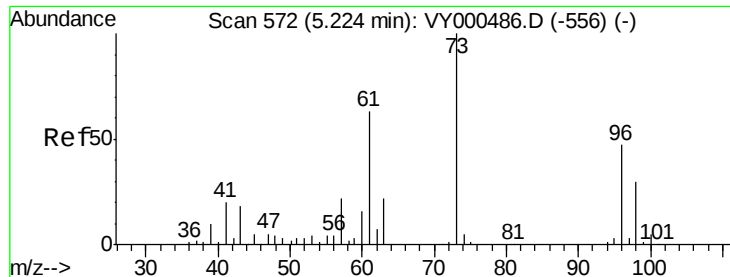
Tot Ion: 76 Resp: 156401
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3



#18
Methyl Acetate
Concen: 18.655 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 43 Resp: 40518
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8

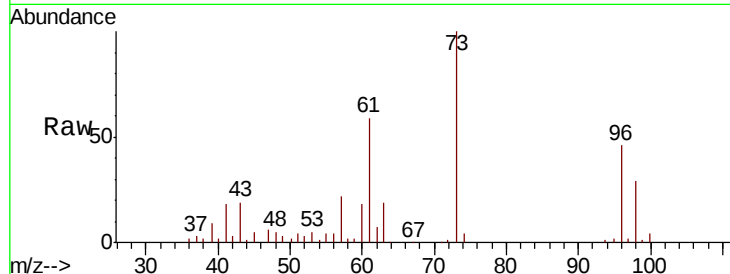




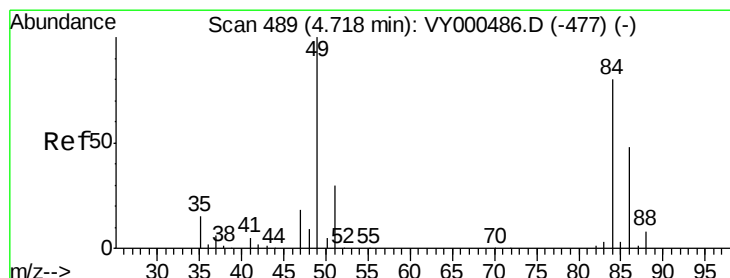
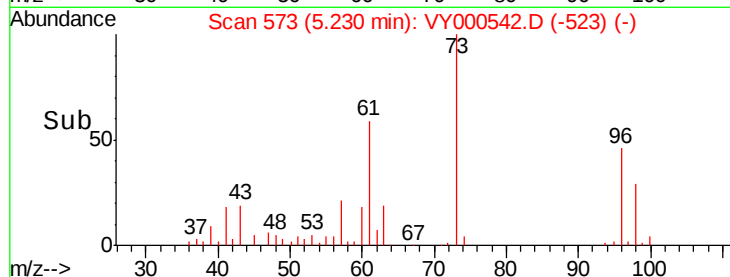
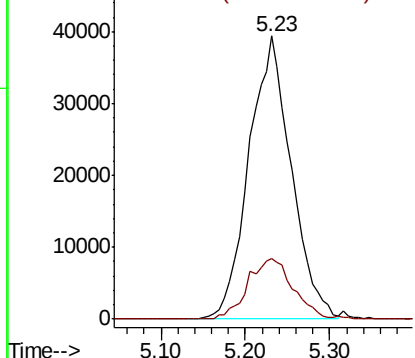
#19
Methvl tert-butvl Ether
Concen: 19.840 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tot Ion: 73 Resp: 134946
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0

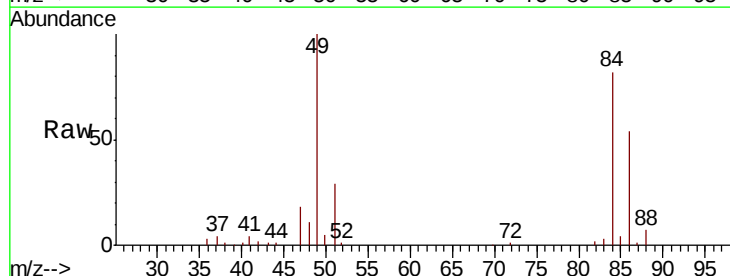


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

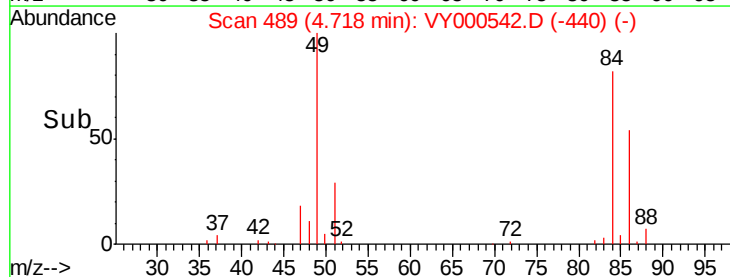
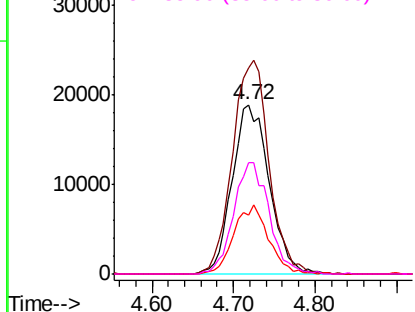


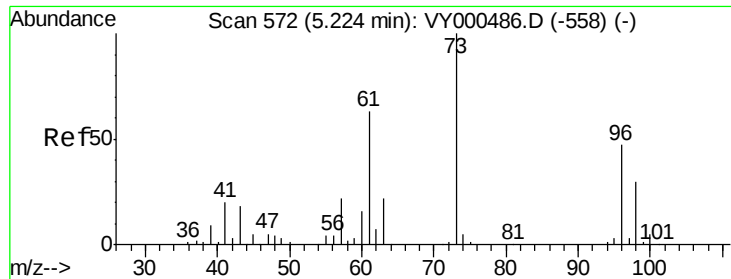
#20
Methylene Chloride
Concen: 19.918 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 84 Resp: 59616
Ion Ratio Lower Upper
84 100
49 121.3 100.2 150.4
51 35.0 29.6 44.4
86 66.0 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 20.297 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

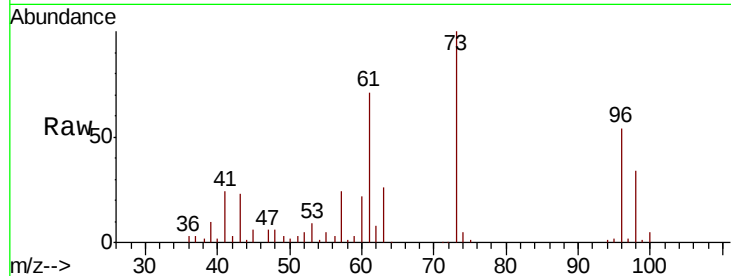
Tot Ion: 96 Resp: 56133

Ion Ratio Lower Upper

96 100

61 130.8 106.6 160.0

98 63.6 50.6 76.0

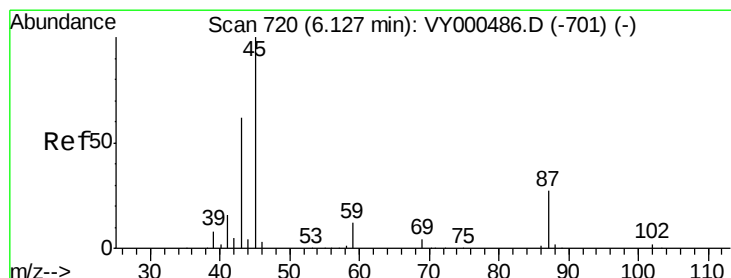
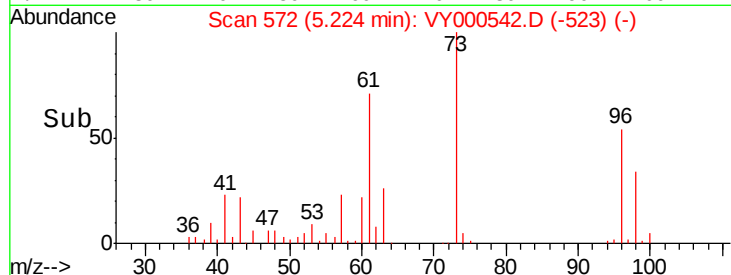
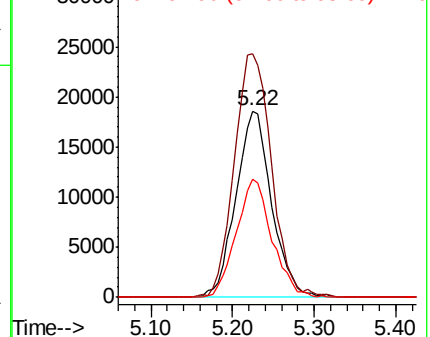


Abundance

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: 20.083 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Tgt Ion: 45 Resp: 173635

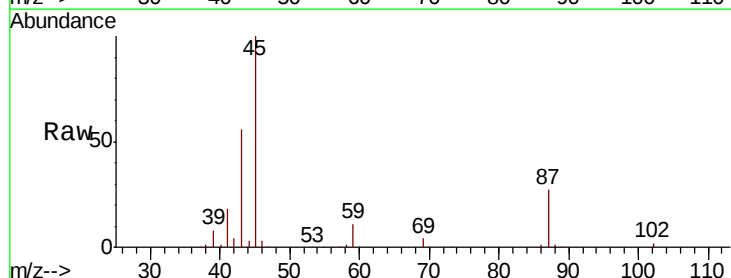
Ion Ratio Lower Upper

45 100

43 55.5 50.0 75.0

87 27.3 21.6 32.4

59 11.2 9.5 14.3



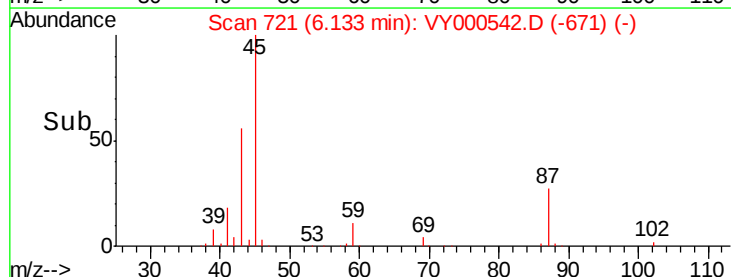
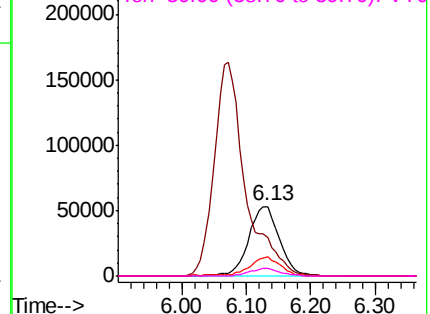
Abundance

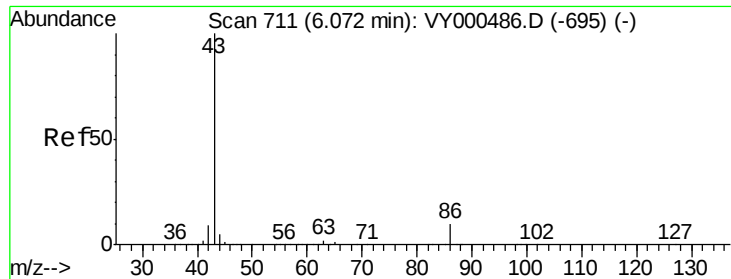
Ion 45.00 (44.70 to 45.70): VY0

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: 101.334 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

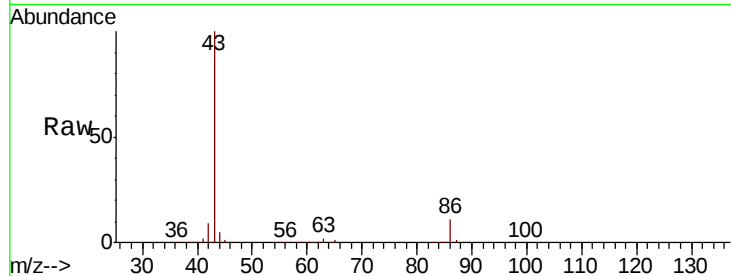
VY1106SBS01

Tot Ion: 43 Resp: 553059

Ion Ratio Lower Upper

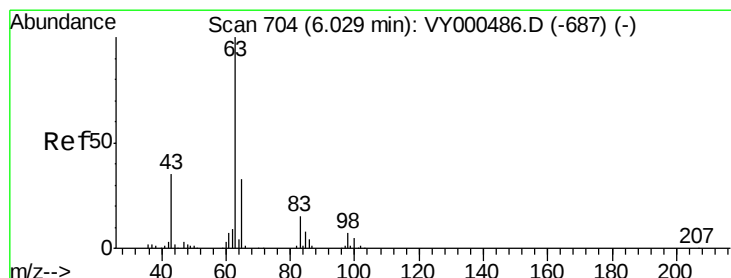
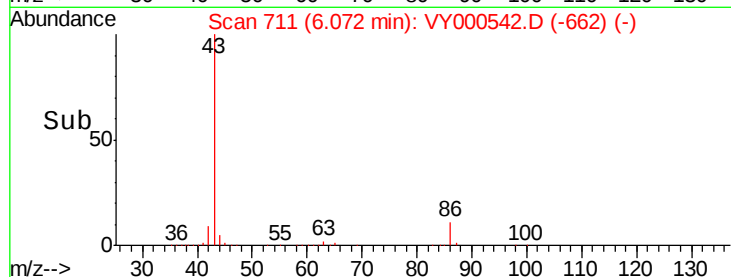
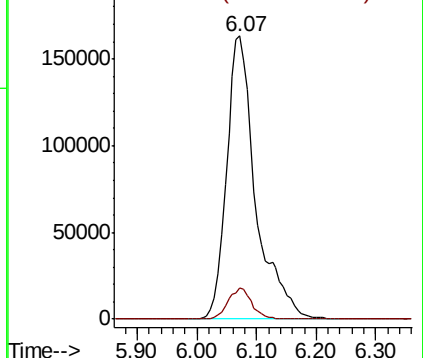
43 100

86 11.2 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.110 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

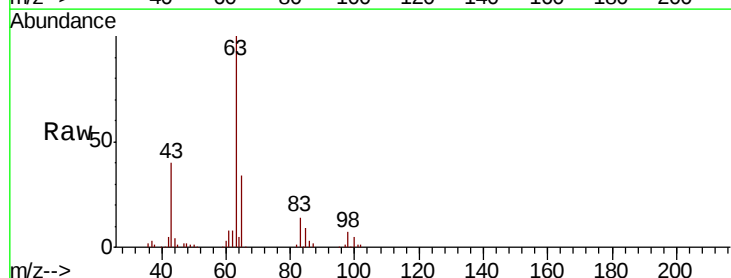
Tgt Ion: 63 Resp: 94195

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

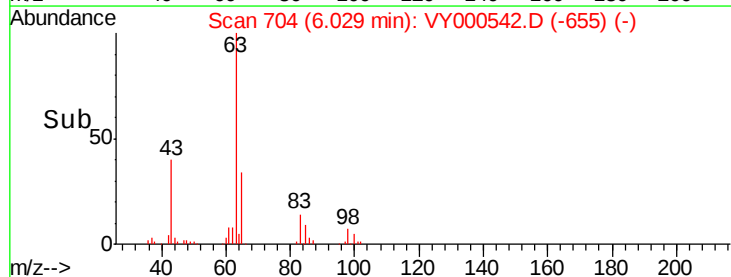
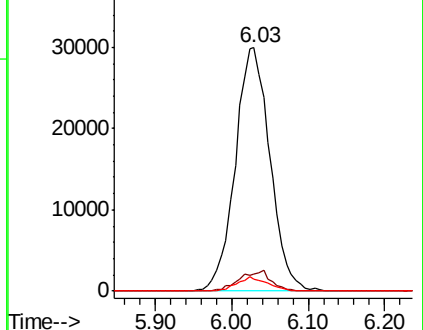
100 4.7 2.4 7.1

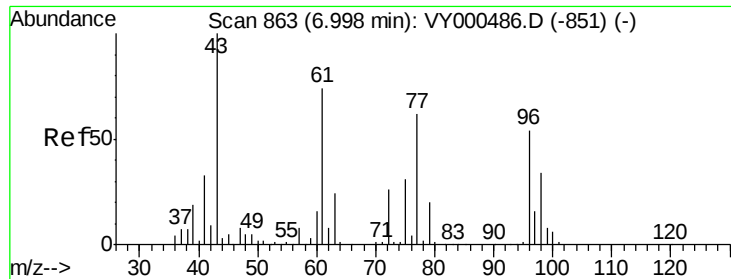


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 93.844 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

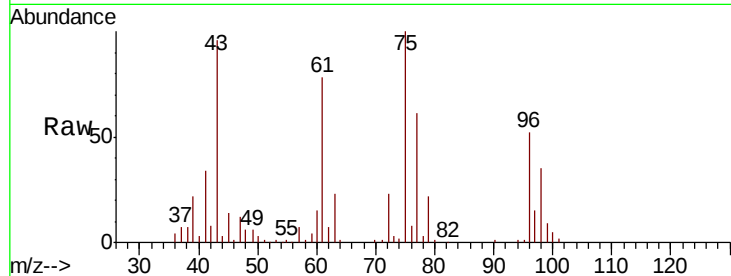
VY1106SBS01

Tot Ion: 43 Resp: 104615

Ion Ratio Lower Upper

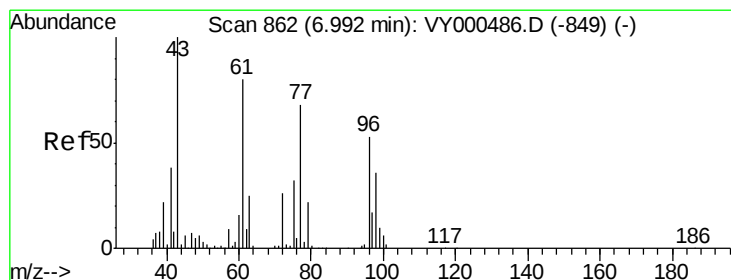
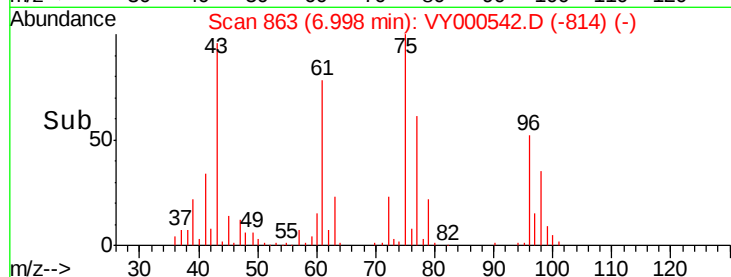
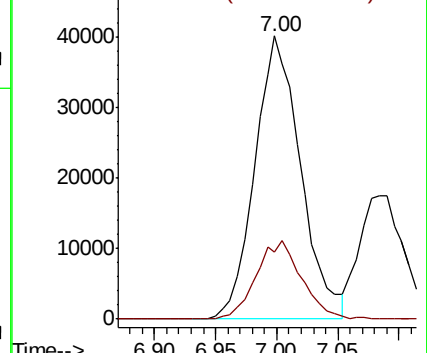
43 100

72 23.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.629 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000542.D

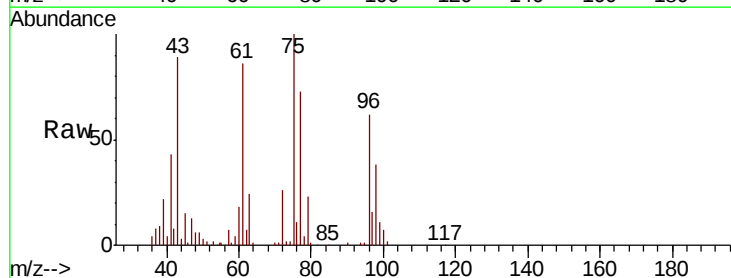
Acq: 06 Nov 2019 11:51

Tgt Ion: 77 Resp: 88302

Ion Ratio Lower Upper

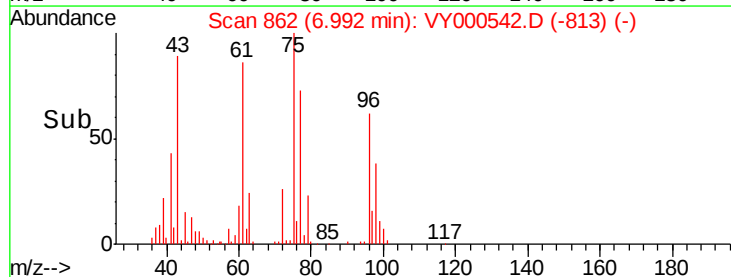
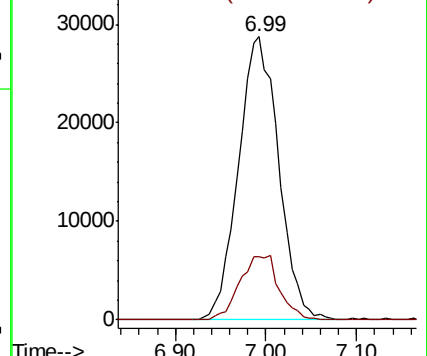
77 100

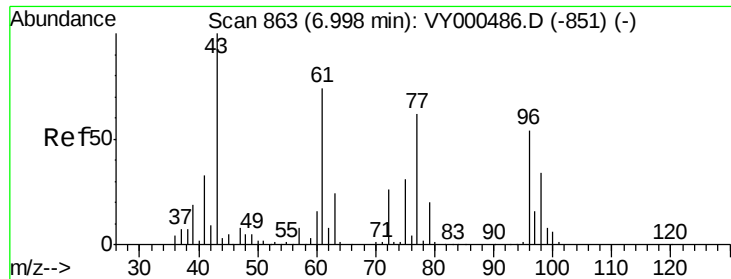
97 22.2 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

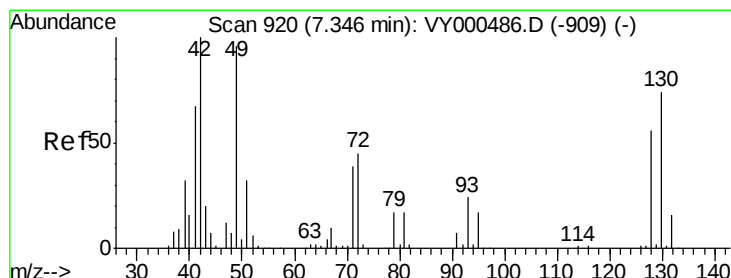
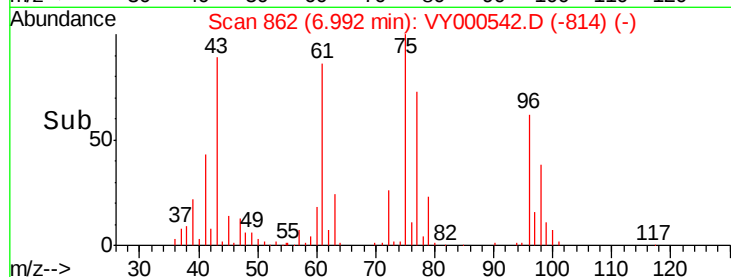
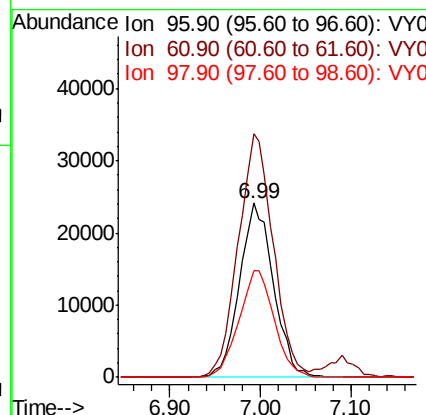
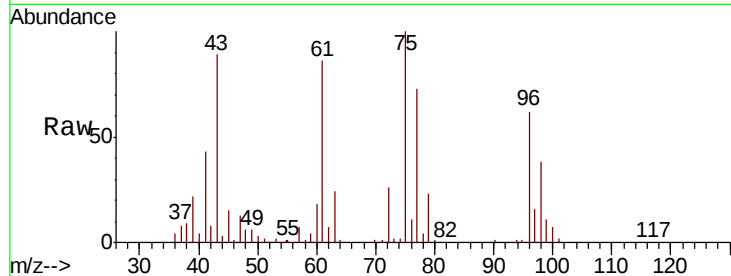




#27
 cis-1,2-Dichloroethene
 Concen: 20.591 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

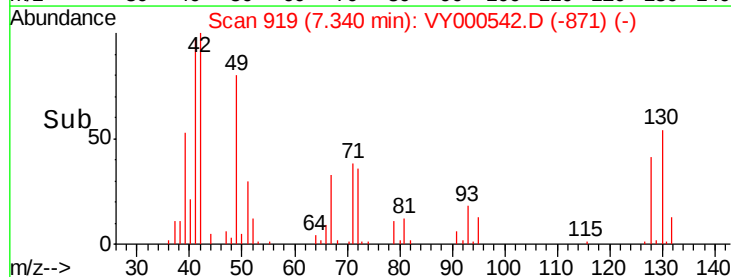
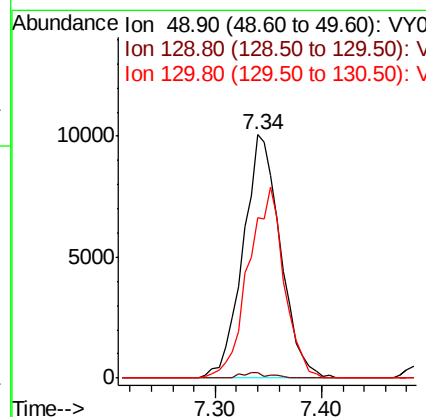
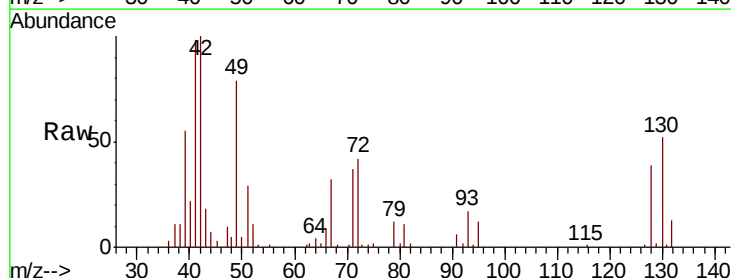
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

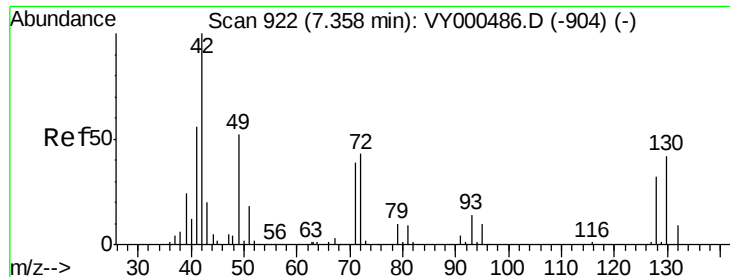
Tot Ion: 96 Resp: 62269
 Ion Ratio Lower Upper
 96 100
 61 144.7 0.0 287.0
 98 64.0 0.0 129.4



#28
 Bromochloromethane
 Concen: 14.761 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion: 49 Resp: 24822
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 75.1 59.4 89.0

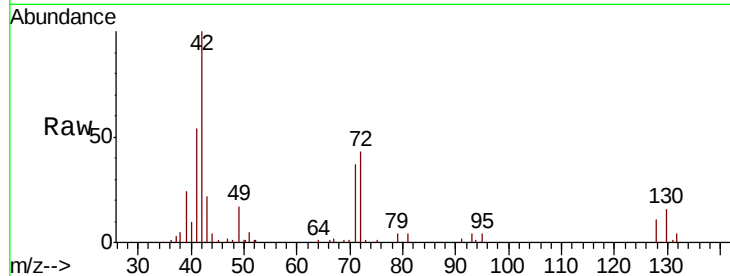




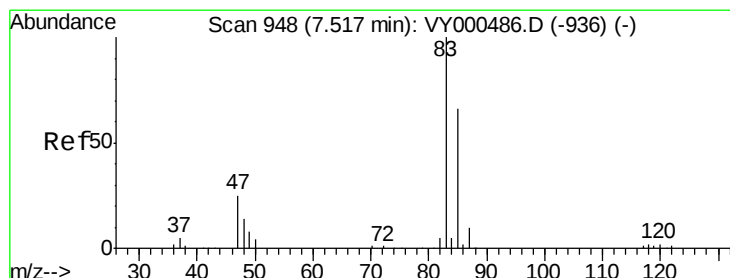
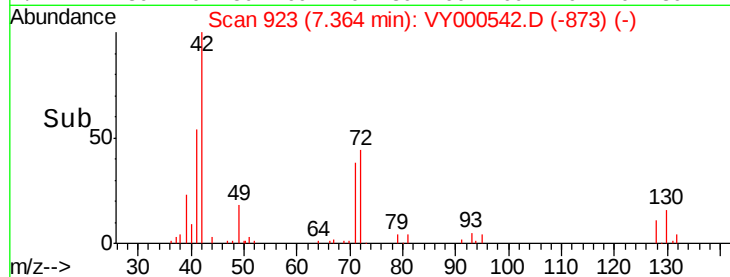
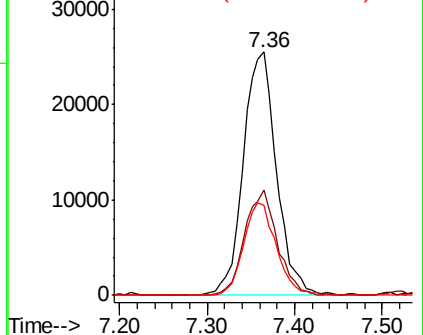
#29
Tetrahydrofuran
Concen: 98.683 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tot Ion: 42 Resp: 67300
Ion Ratio Lower Upper
42 100
72 42.5 34.0 51.0
71 37.5 30.8 46.2

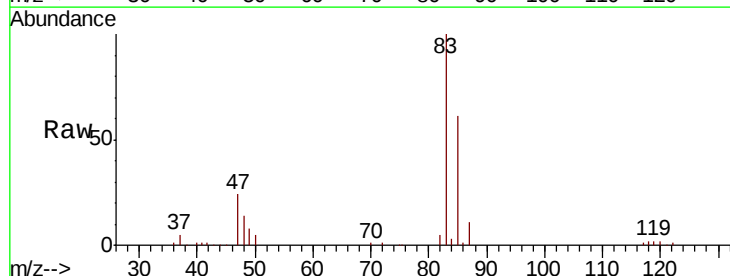


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

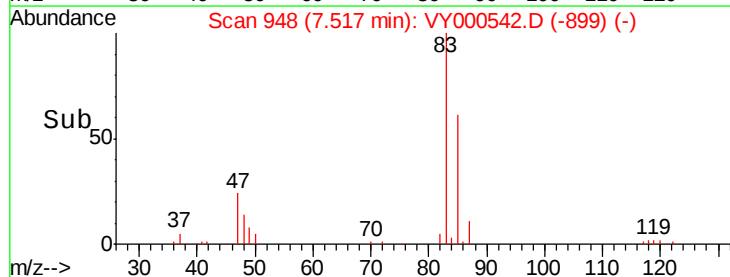
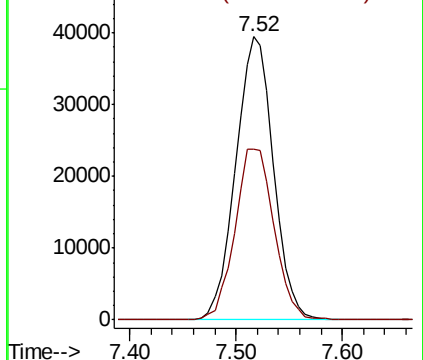


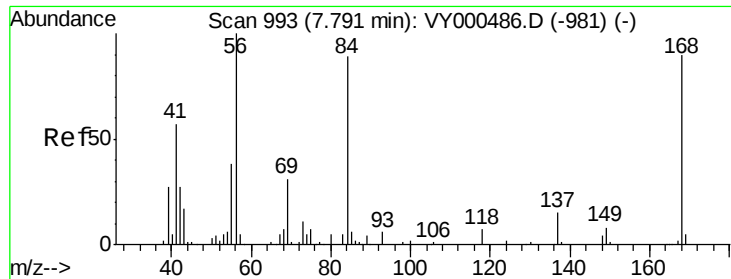
#30
Chloroform
Concen: 20.687 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 83 Resp: 98022
Ion Ratio Lower Upper
83 100
85 60.5 53.0 79.4



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

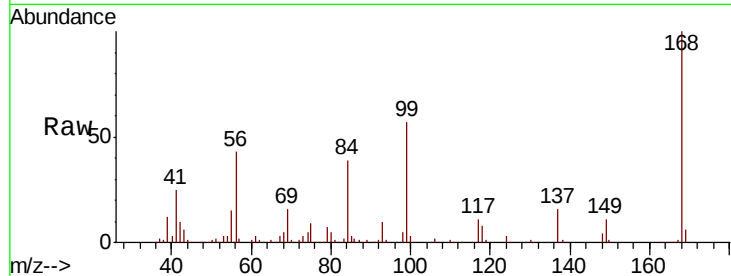




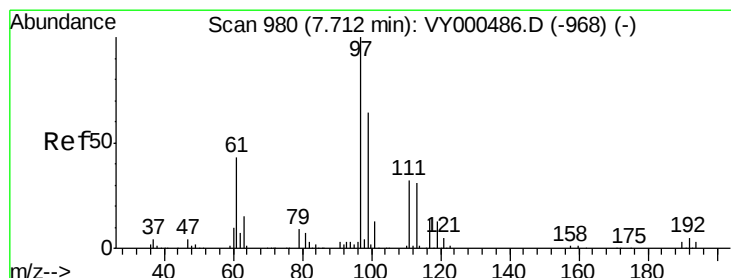
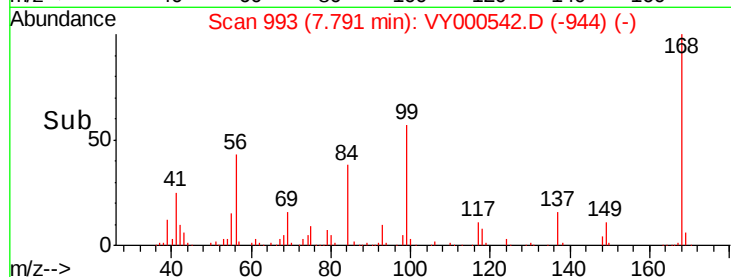
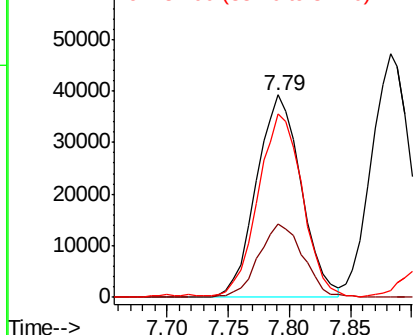
#31
Cyclohexane
Concen: 20.379 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tot Ion: 56 Resp: 99974
Ion Ratio Lower Upper
56 100
69 36.5 25.0 37.6
84 89.3 71.4 107.2

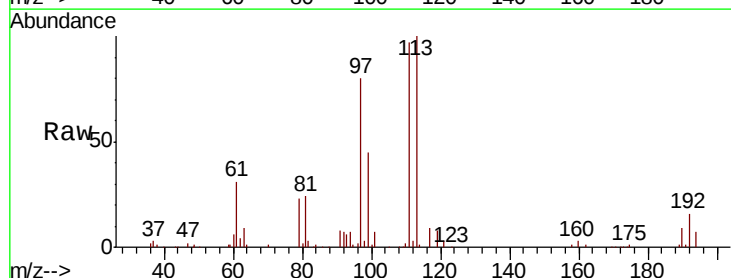


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

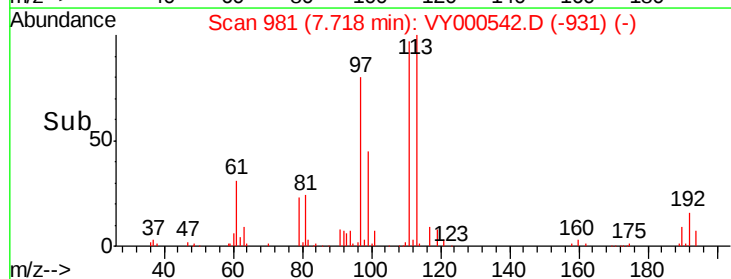
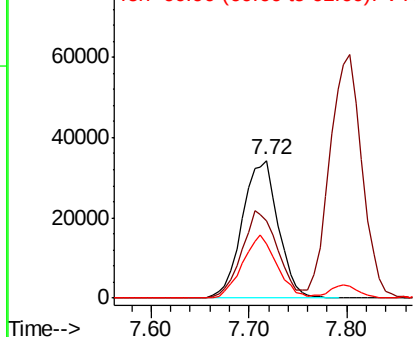


#32
1,1,1-Trichloroethane
Concen: 20.601 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 97 Resp: 86995
Ion Ratio Lower Upper
97 100
99 62.3 50.9 76.3
61 43.9 34.9 52.3



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

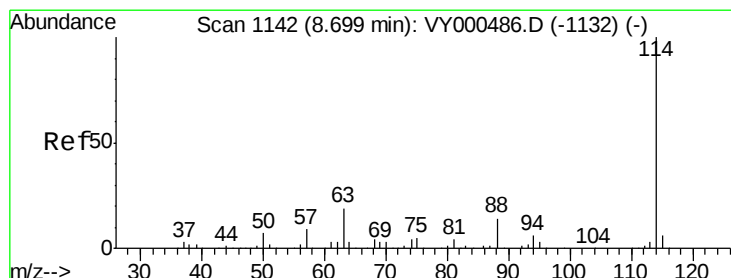
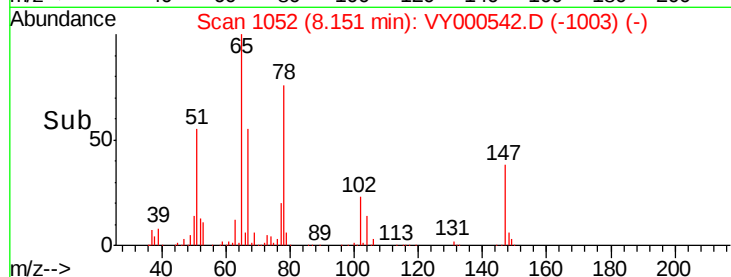
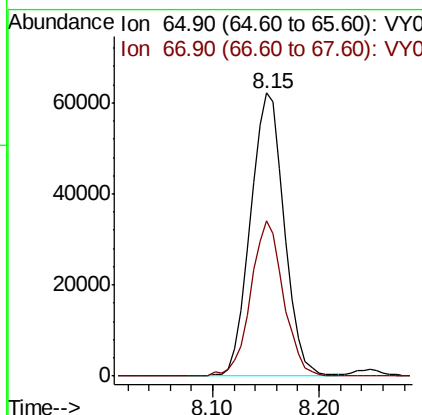
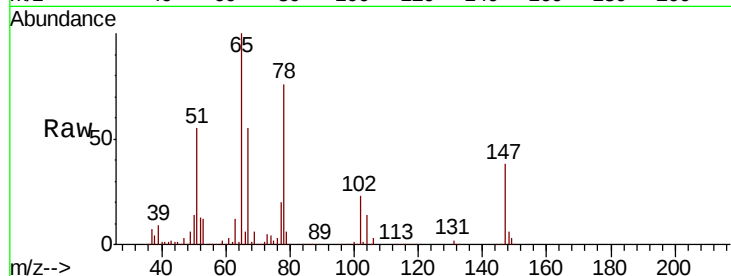




#33
 1,2-Dichloroethane-d4
 Concen: 54.515 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

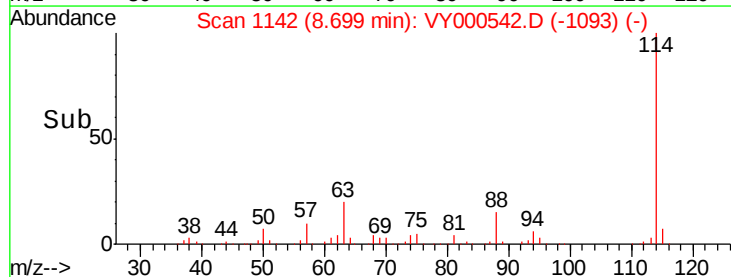
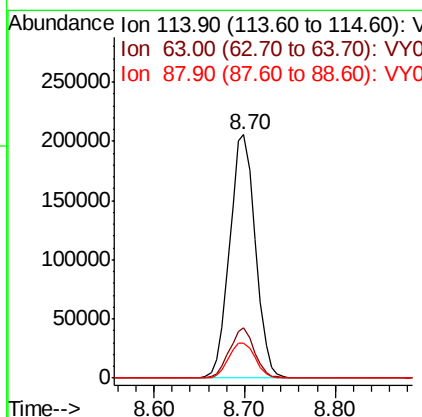
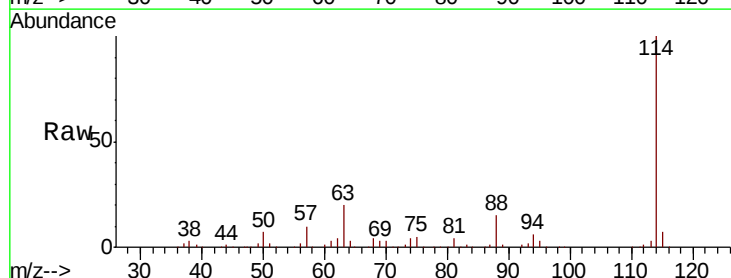
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

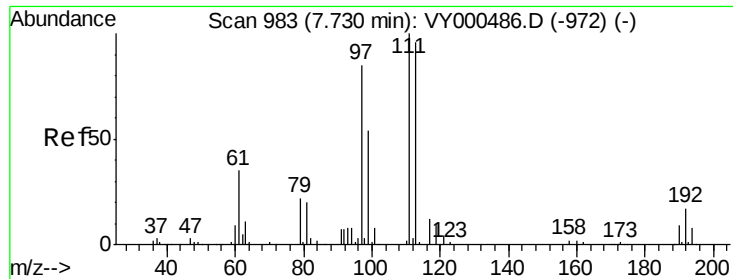
Tot Ion: 65 Resp: 138162
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion: 114 Resp: 403638
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.0
 88 14.6 0.0 28.6

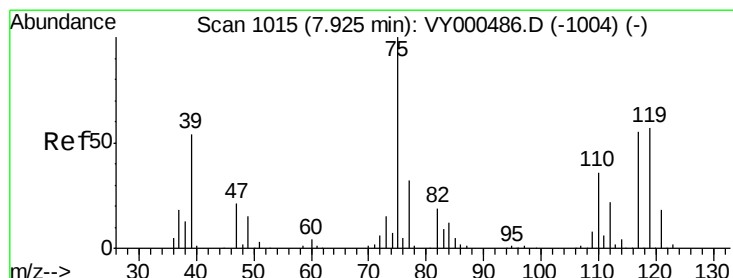
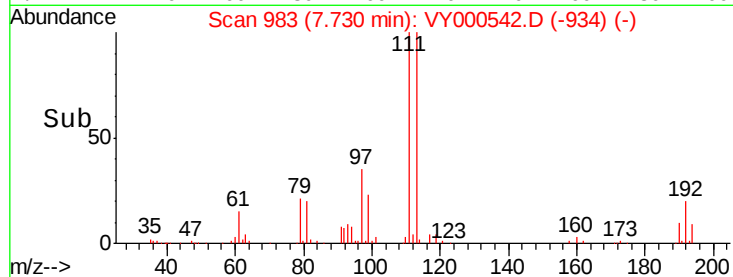
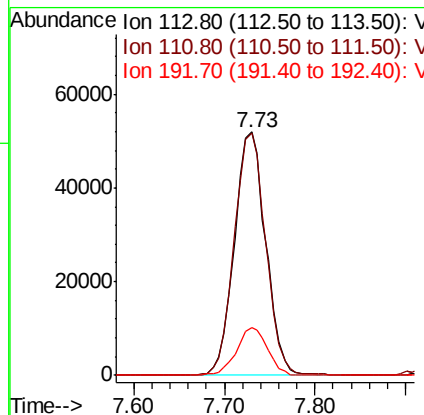
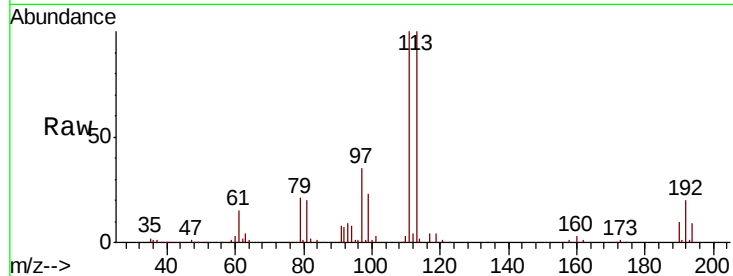




#35
 Dibromofluoromethane
 Concen: 52.381 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

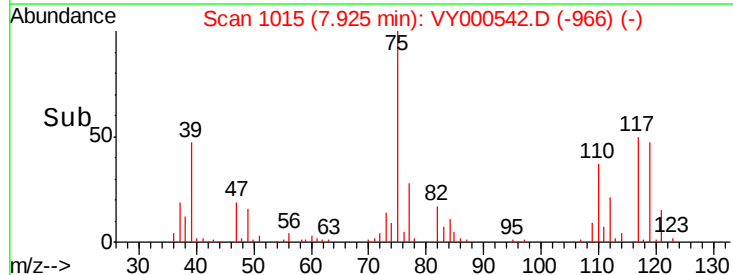
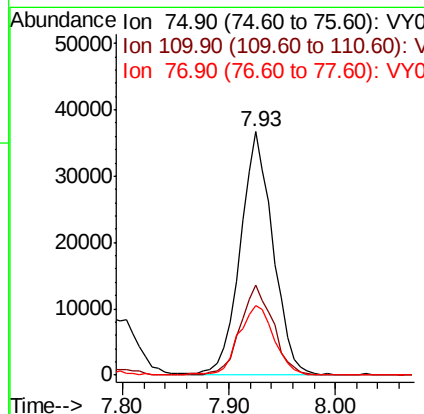
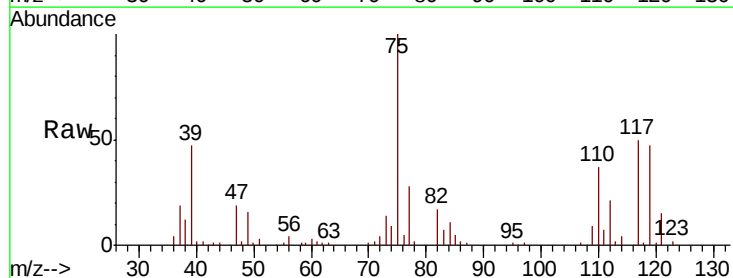
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

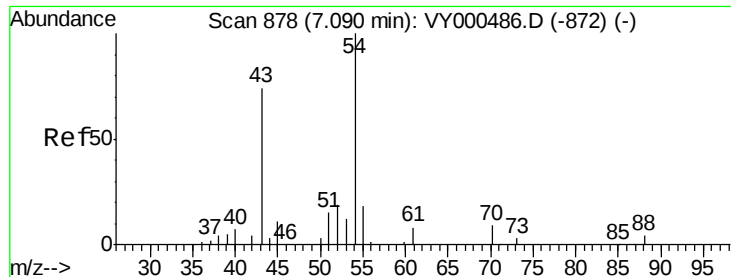
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.7	122.5
192	19.5	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 20.769 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	30.7	25.0	37.6

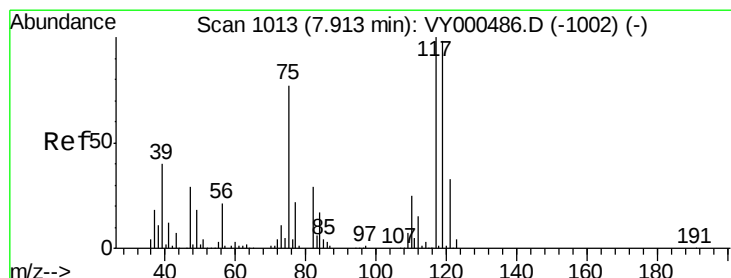
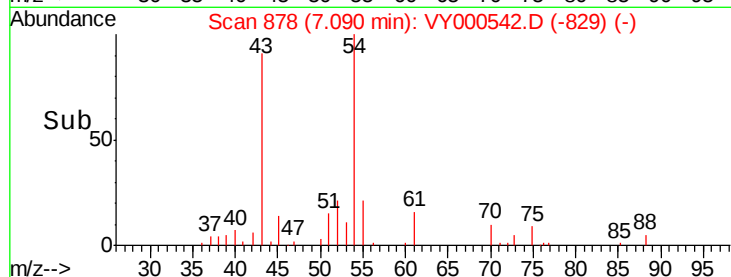
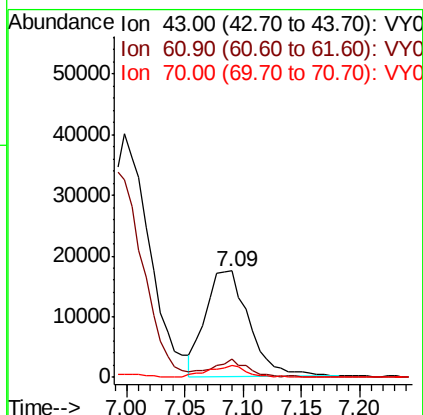
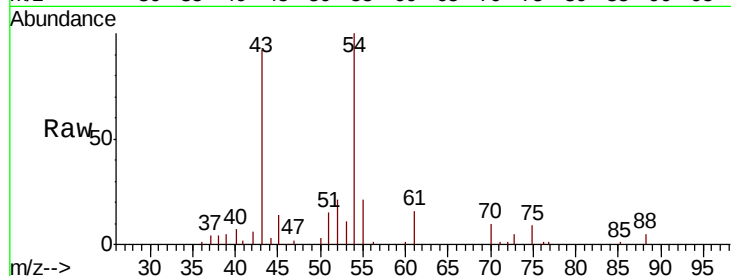




#37
Ethyl Acetate
Concen: 20.075 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

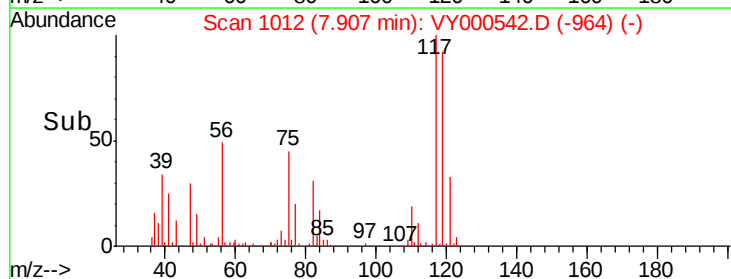
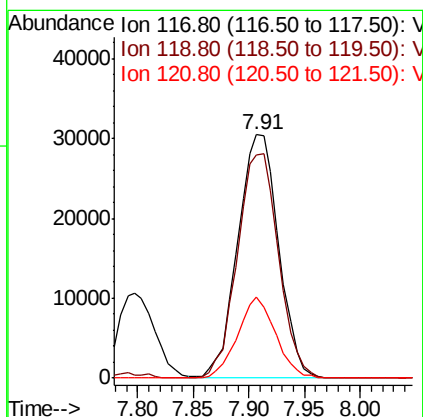
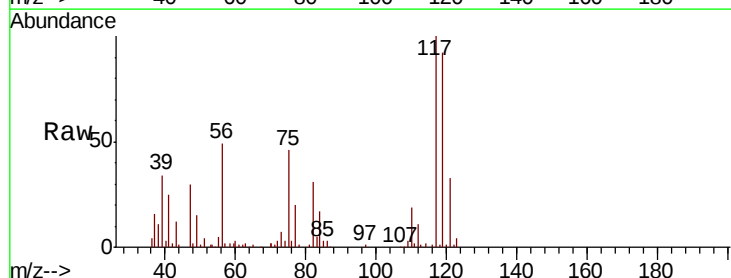
Instrument :
MSVOA_Y
ClientSampled :
VY1106SBS01

Tot Ion: 43 Resp: 45478
Ion Ratio Lower Upper
43 100
61 14.2 10.2 15.2
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 21.224 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 117 Resp: 77929
Ion Ratio Lower Upper
117 100
119 91.8 78.0 117.0
121 33.5 26.6 40.0

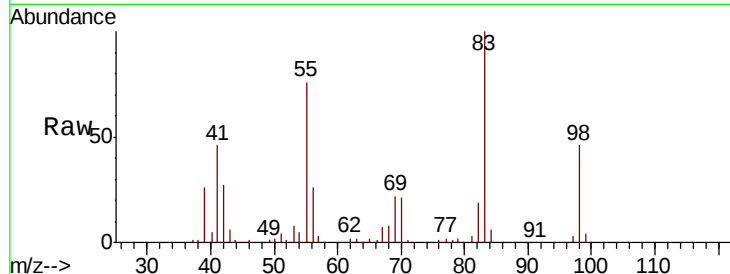




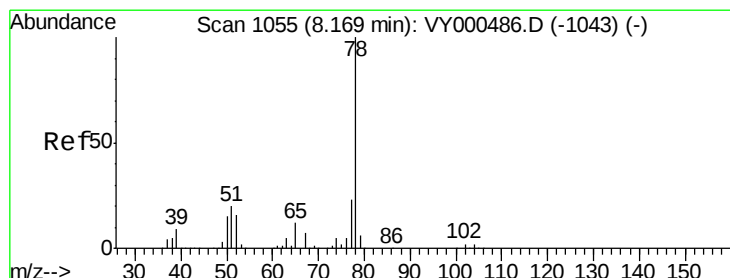
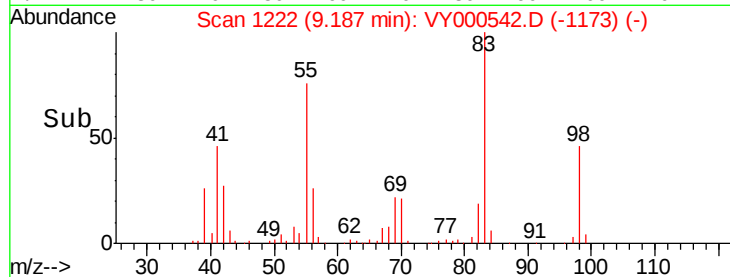
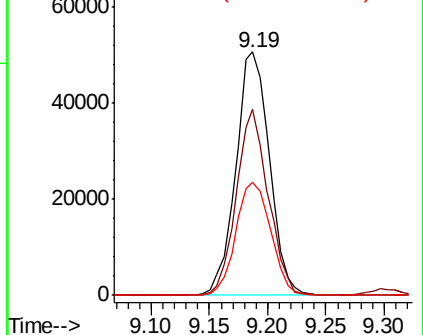
#39
Methylvlcyclohexane
Concen: 20.636 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tot Ion: 83 Resp: 101729
Ion Ratio Lower Upper
83 100
55 76.3 57.5 86.3
98 46.4 38.0 57.0

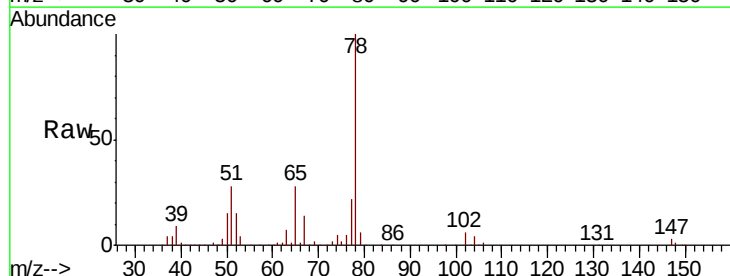


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

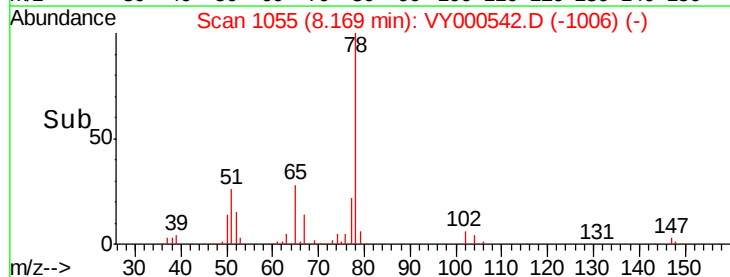
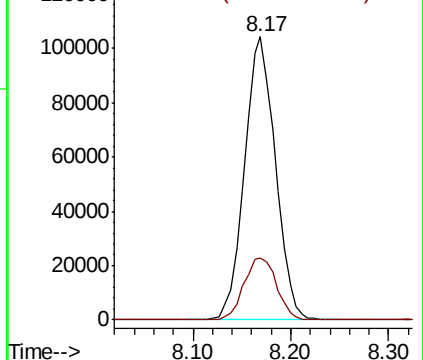


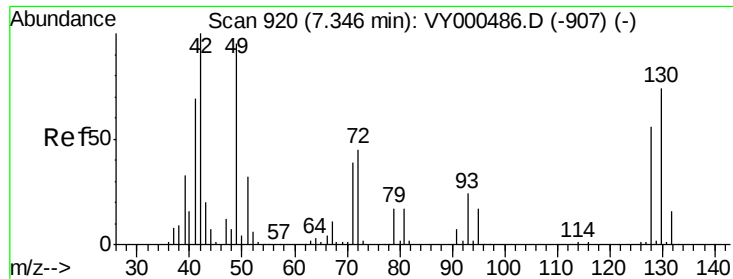
#40
Benzene
Concen: 20.349 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 78 Resp: 227641
Ion Ratio Lower Upper
78 100
77 21.9 18.6 28.0



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

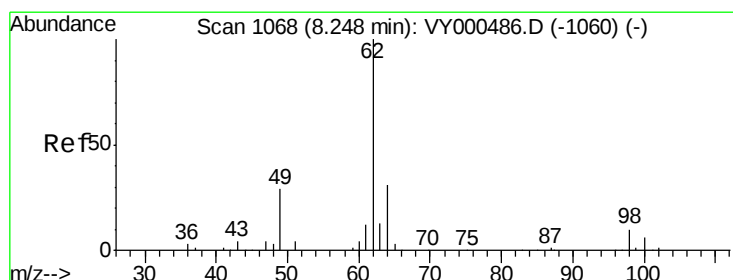
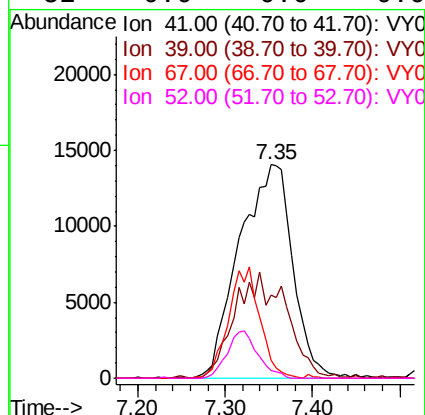
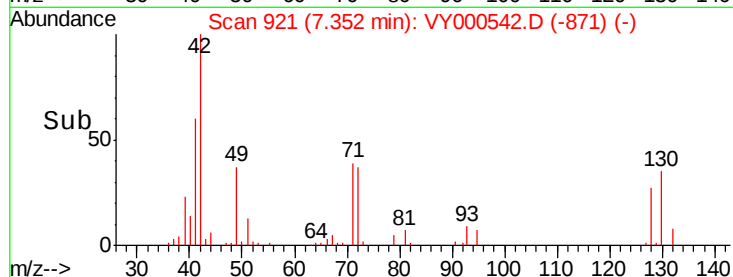
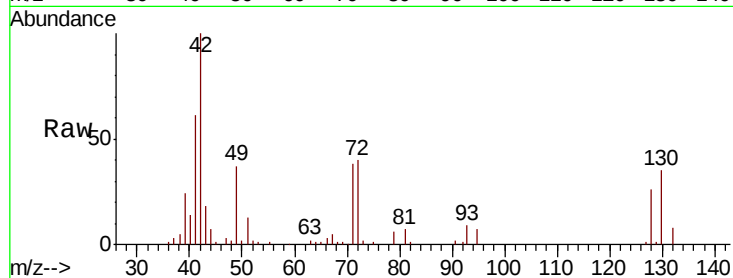




#41
Methacrylonitrile
Concen: 47.188 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

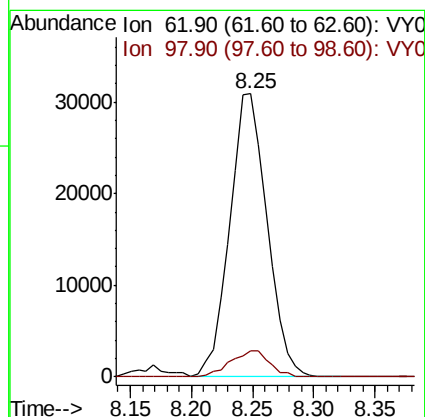
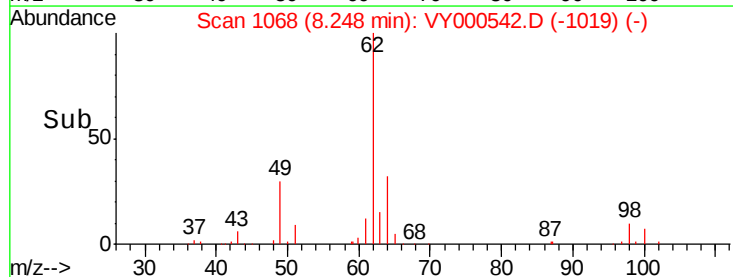
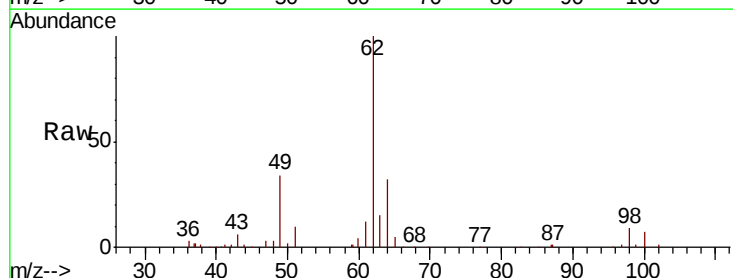
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

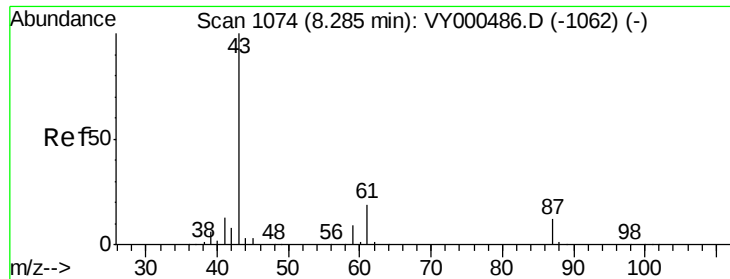
Tot Ion: 41 Resp: 59637
Ion Ratio Lower Upper
41 100
39 34.7 68.2 102.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.643 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 62 Resp: 65500
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.2



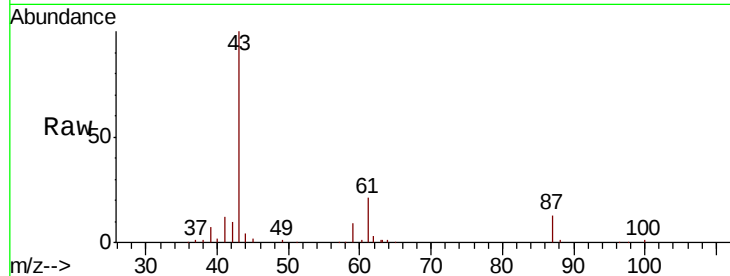


#43

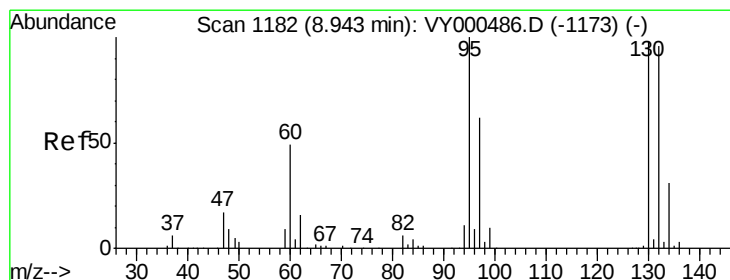
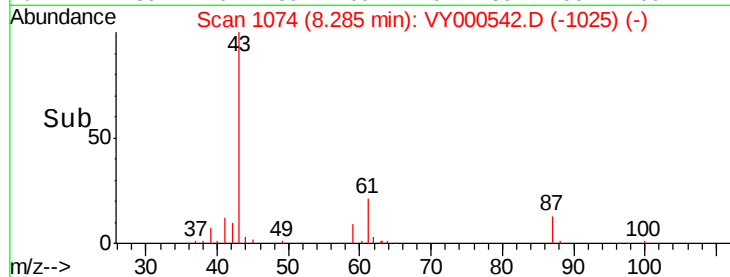
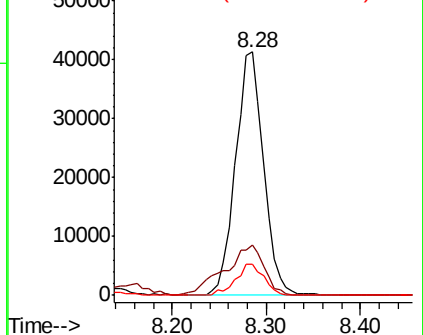
Isopropyl Acetate
 Concen: 20.190 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Tot Ion: 43 Resp: 85922
 Ion Ratio Lower Upper
 43 100
 61 28.9 23.0 34.4
 87 12.9 10.5 15.7



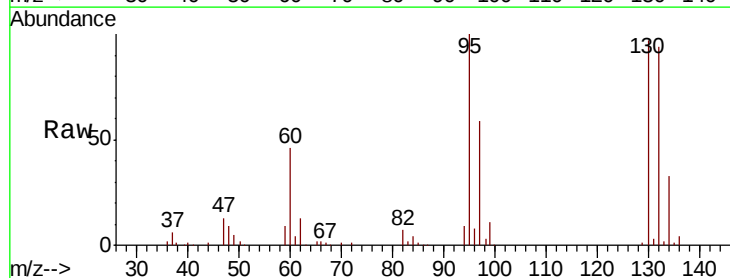
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



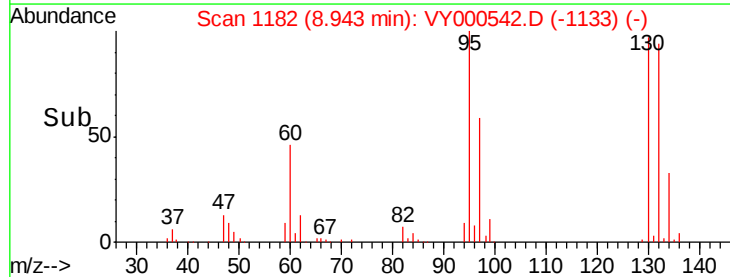
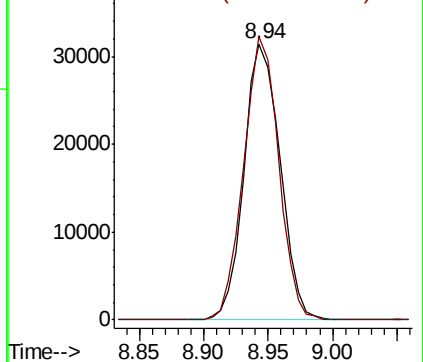
#44

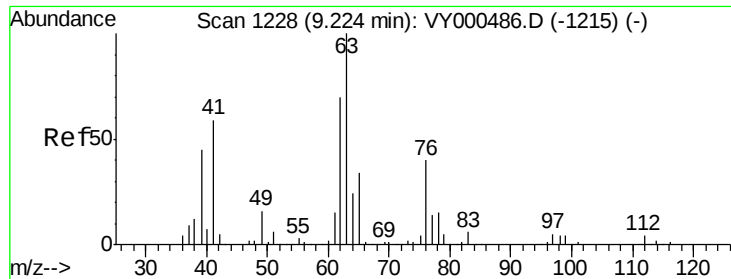
Trichloroethene
 Concen: 20.619 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion:130 Resp: 60818
 Ion Ratio Lower Upper
 130 100
 95 102.6 0.0 203.2



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

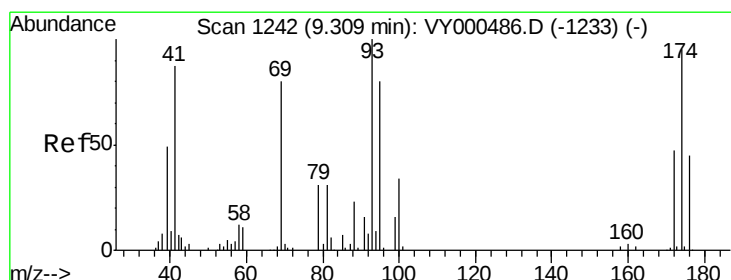
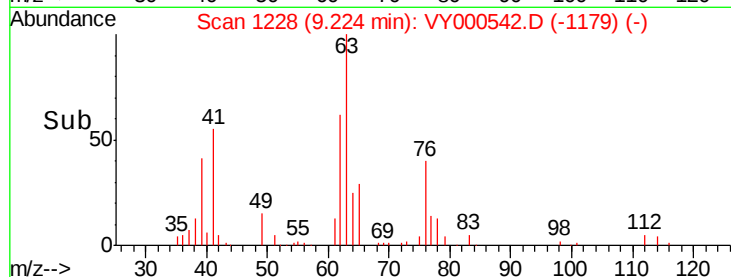
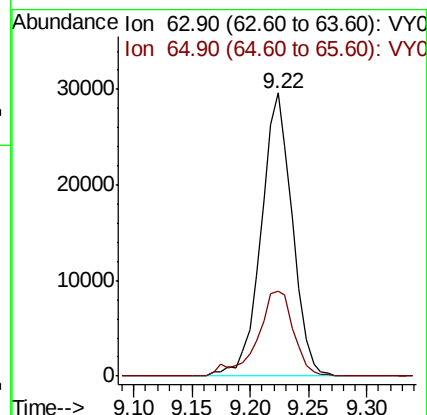
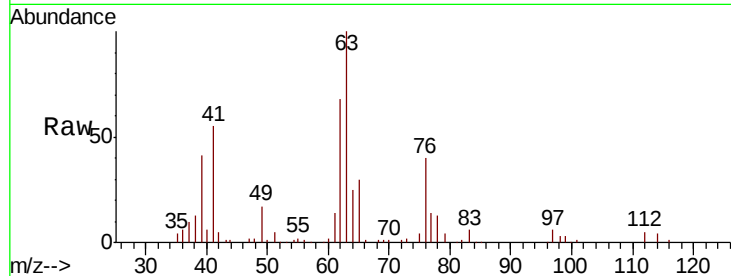




#45
 1,2-Dichloropropane
 Concen: 20.033 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

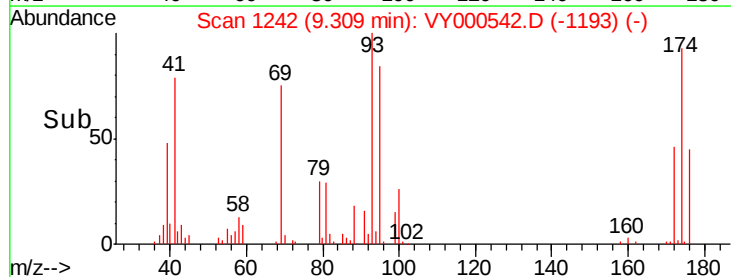
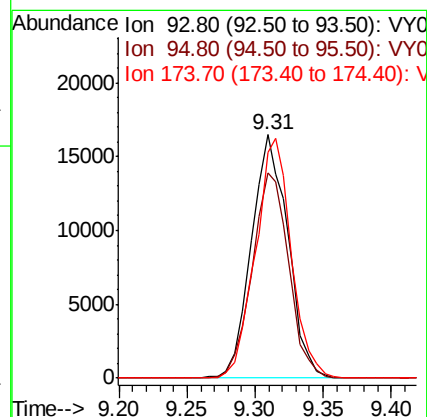
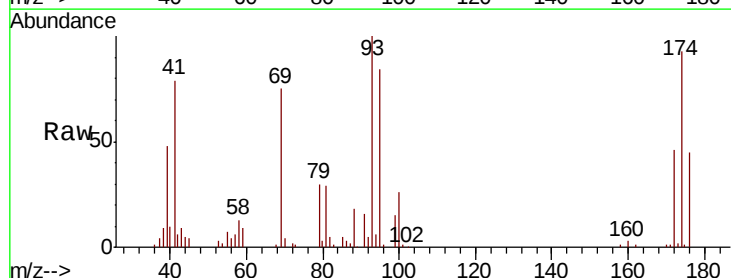
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

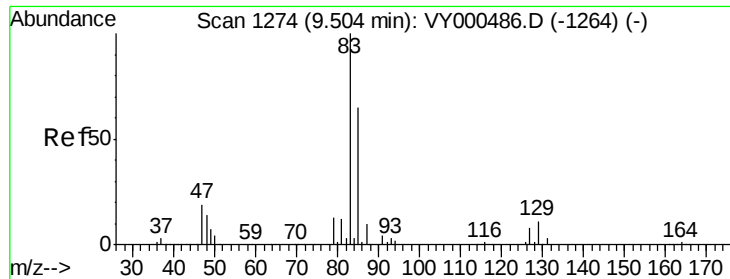
Tot Ion: 63 Resp: 55158
 Ion Ratio Lower Upper
 63 100
 65 30.0 27.0 40.4



#46
 Dibromomethane
 Concen: 20.412 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion: 93 Resp: 30908
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.4 99.6
 174 96.8 77.1 115.7





#47

Bromodichloromethane

Concen: 20.458 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

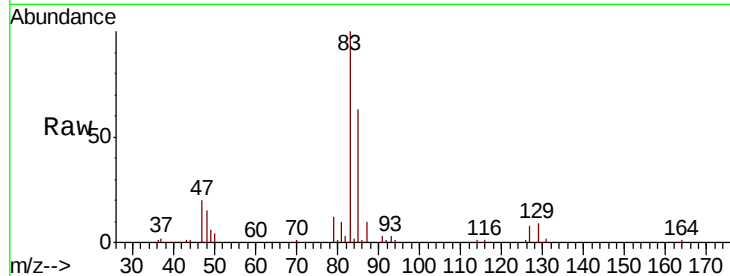
Tot Ion: 83 Resp: 73504

Ion Ratio Lower Upper

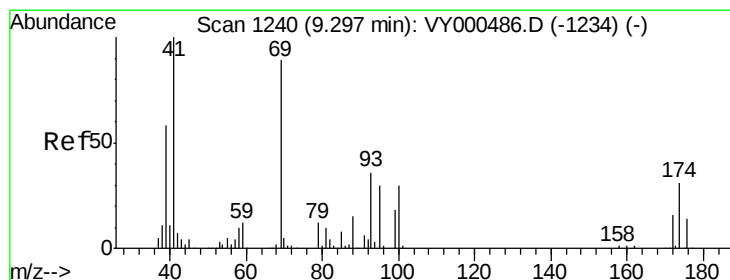
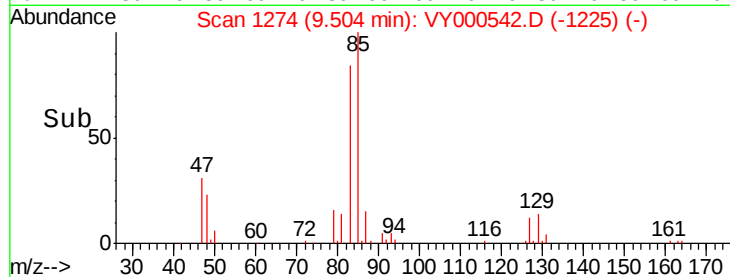
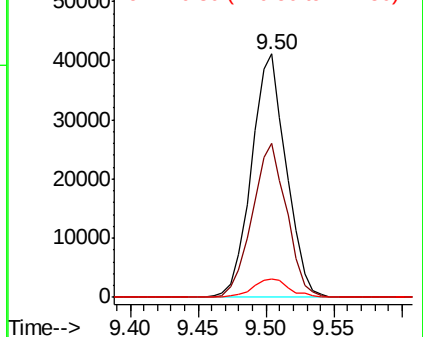
83 100

85 63.4 51.8 77.8

127 7.6 6.7 10.1



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



#48

Methyl methacrylate

Concen: 19.802 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

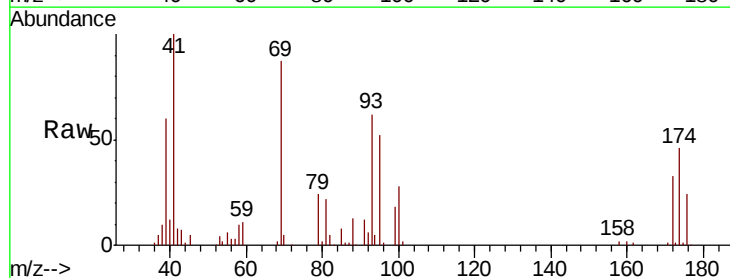
Tgt Ion: 41 Resp: 36819

Ion Ratio Lower Upper

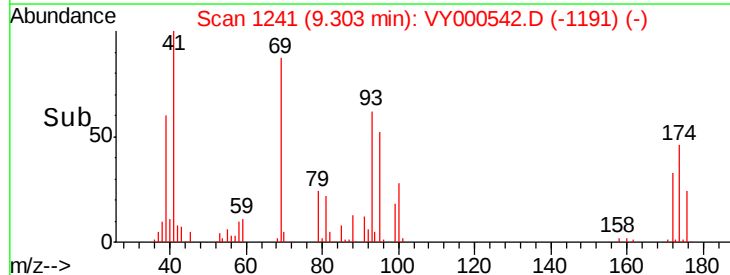
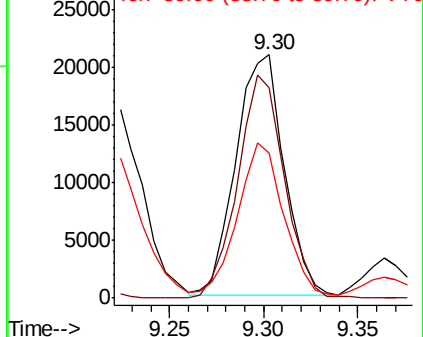
41 100

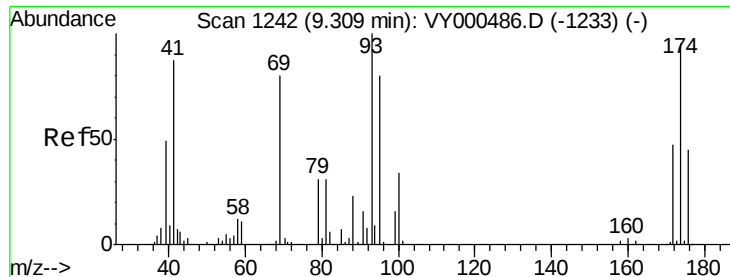
69 90.0 72.5 108.7

39 63.5 47.8 71.8



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





#49

1,4-Dioxane

Concen: 402.516 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

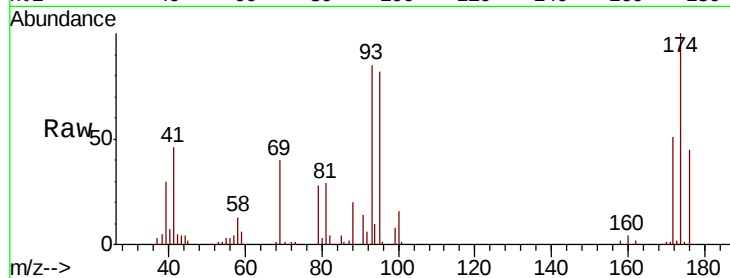
Tot Ion: 88 Resp: 8203

Ion Ratio Lower Upper

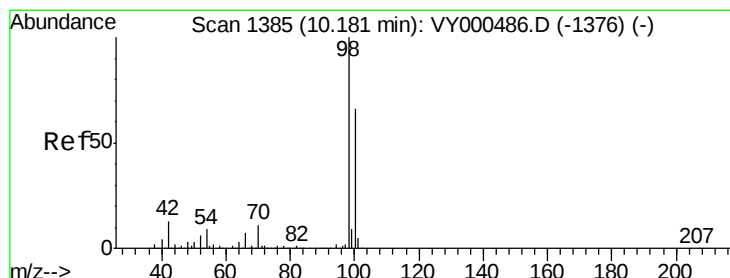
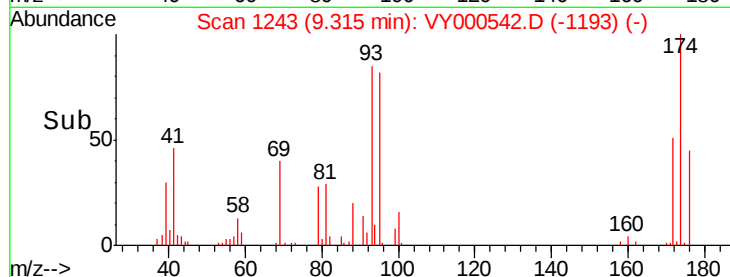
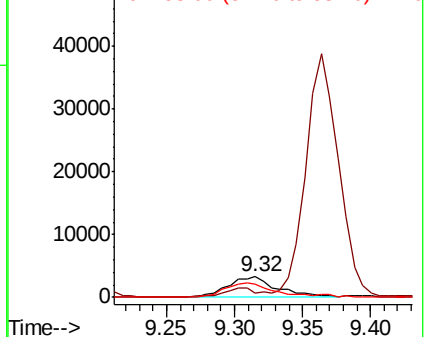
88 100

43 34.0 25.1 37.7

58 75.6 50.6 75.8



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



#50

Toluene-d8

Concen: 54.977 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000542.D

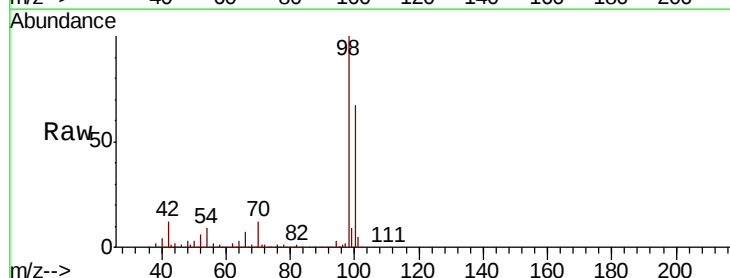
Acq: 06 Nov 2019 11:51

Tgt Ion: 98 Resp: 494325

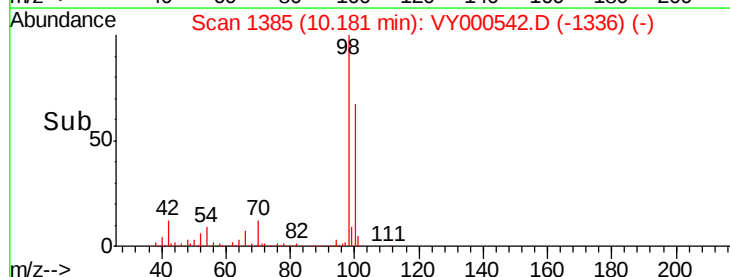
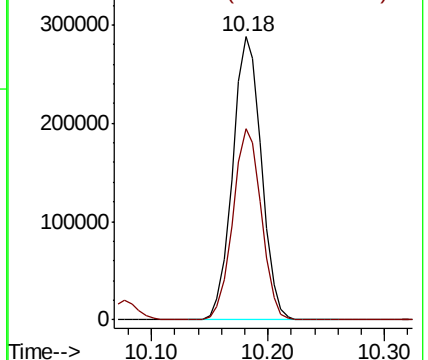
Ion Ratio Lower Upper

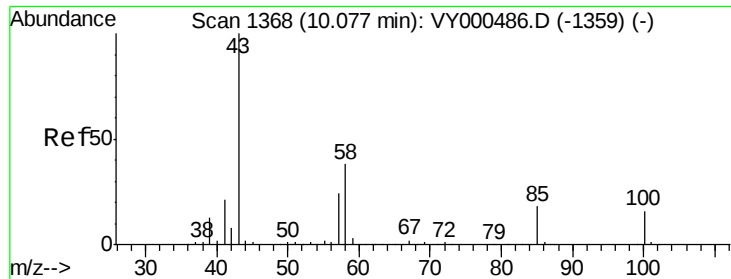
98 100

100 67.0 52.9 79.3



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: 101.378 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

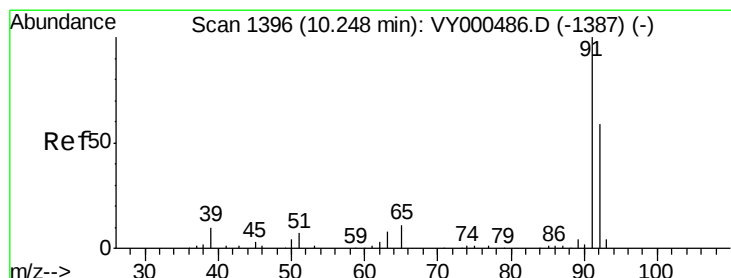
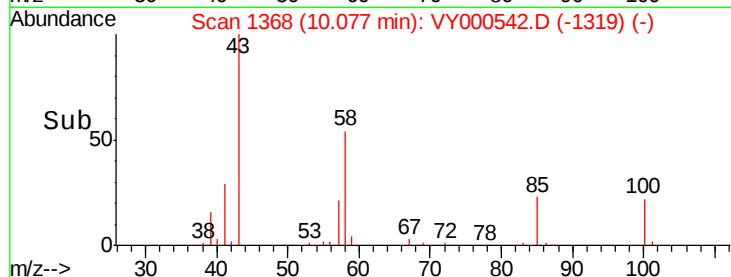
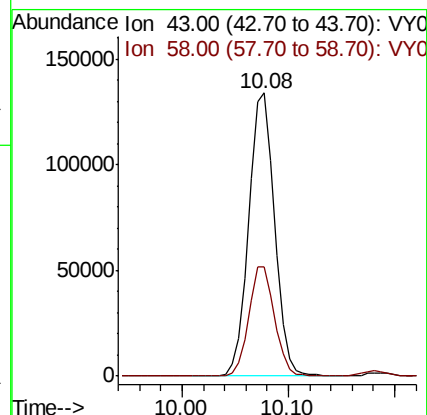
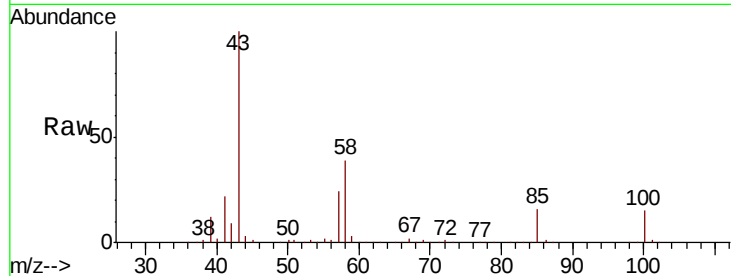
VY1106SBS01

Tot Ion: 43 Resp: 229382

Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.4



#52

Toluene

Concen: 20.588 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000542.D

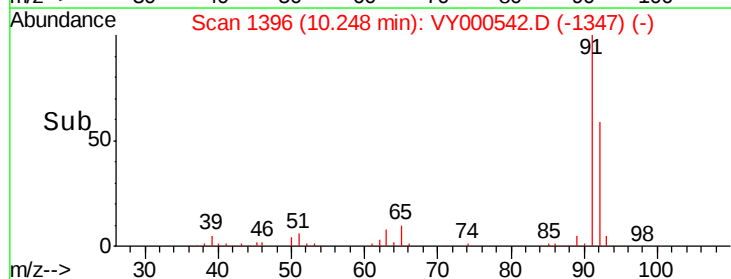
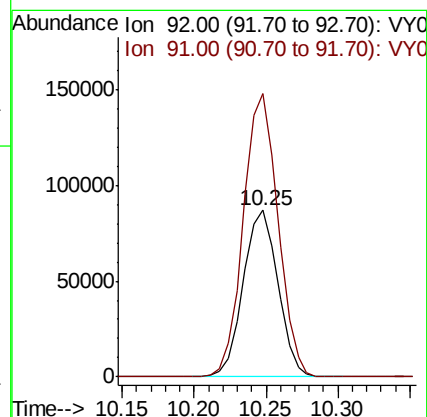
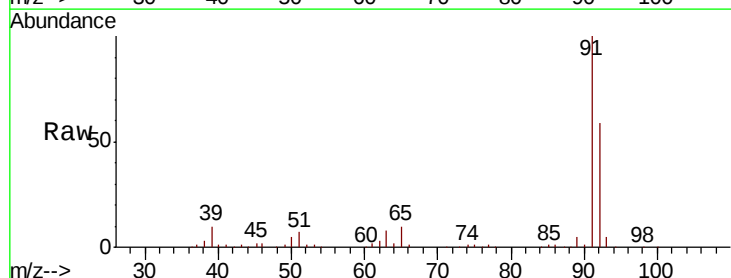
Acq: 06 Nov 2019 11:51

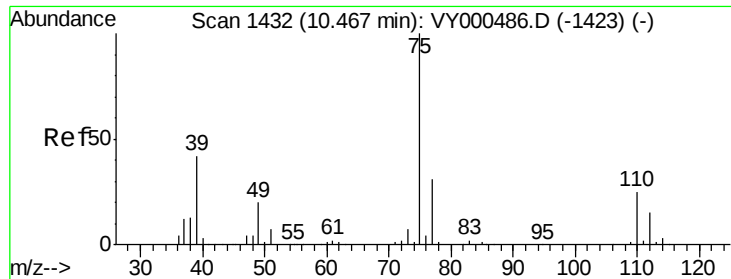
Tgt Ion: 92 Resp: 145617

Ion Ratio Lower Upper

92 100

91 169.3 136.3 204.5

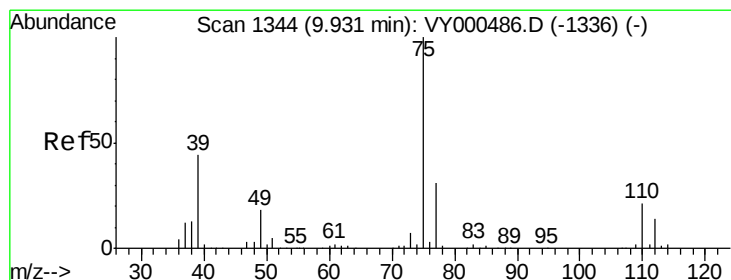
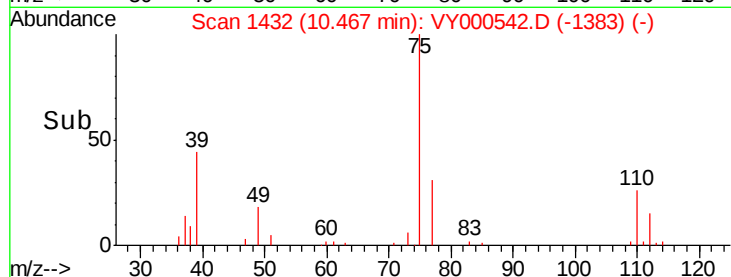
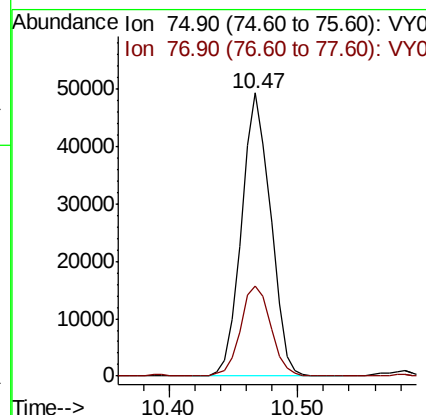
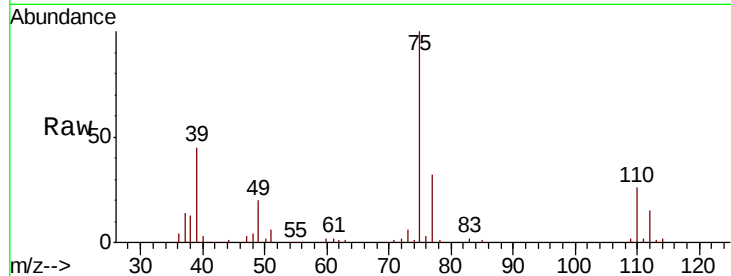




#53
 t-1,3-Dichloropropene
 Concen: 20.103 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

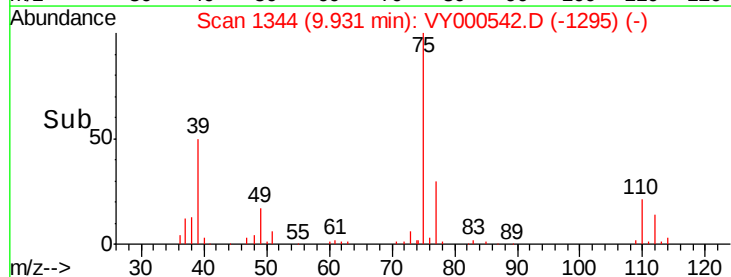
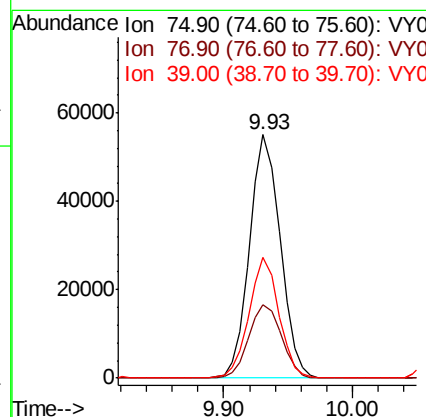
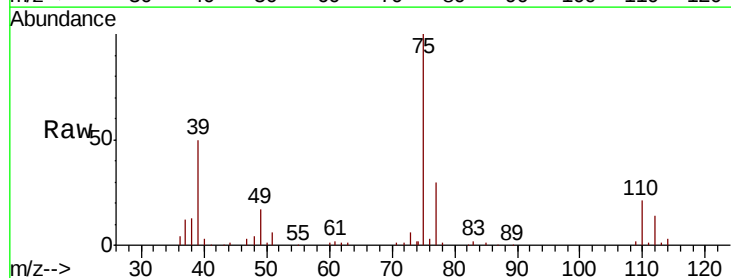
Instrument :
 MSVOA_Y
 ClientSampled :
 VY1106SBS01

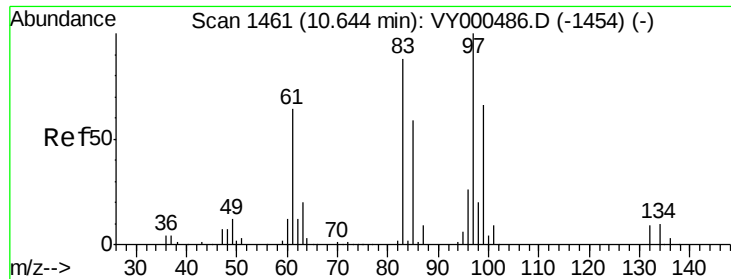
Tot Ion: 75 Resp: 77177
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.611 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion: 75 Resp: 90646
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.5 36.7
 39 49.8 35.4 53.2

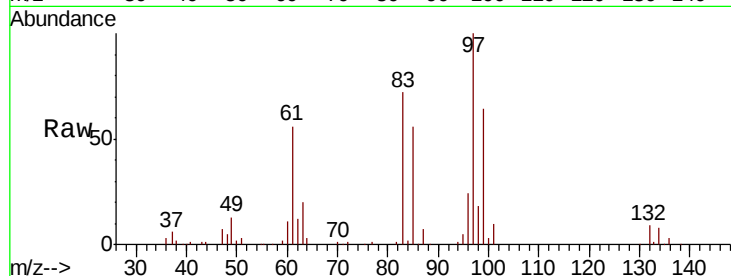




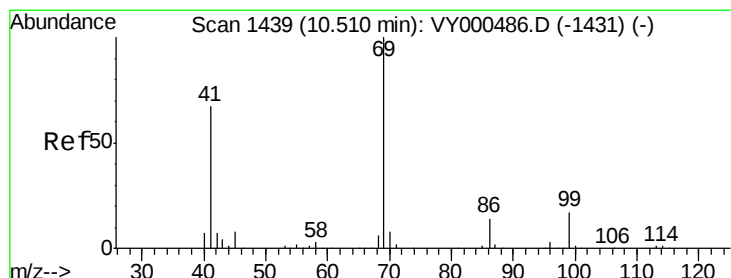
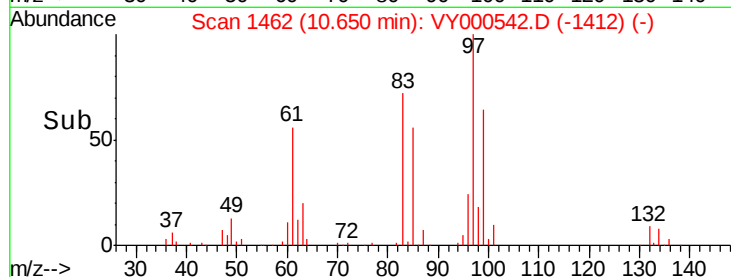
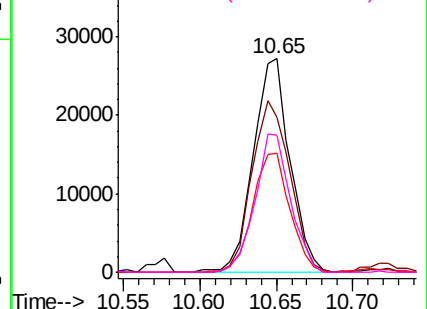
#55
 1,1,2-Trichloroethane
 Concen: 20.790 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

Tot Ion: 97 Resp: 45533
 Ion Ratio Lower Upper
 97 100
 83 72.3 70.2 105.4
 85 55.6 46.9 70.3
 99 64.3 52.6 78.8

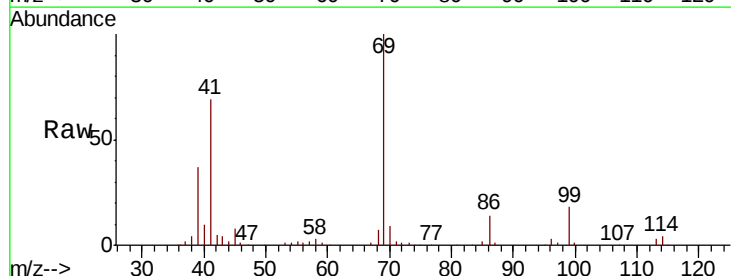


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

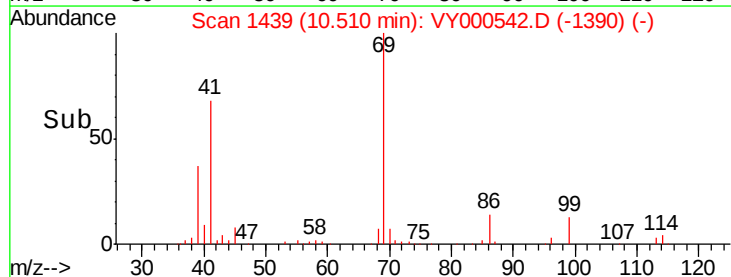
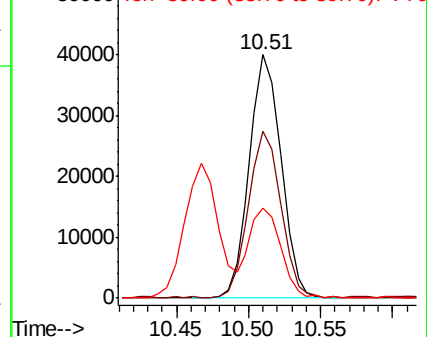


#56
 Ethyl methacrylate
 Concen: 19.750 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion: 69 Resp: 61308
 Ion Ratio Lower Upper
 69 100
 41 69.2 53.3 79.9
 39 36.8 28.0 42.0



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: 20.850 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

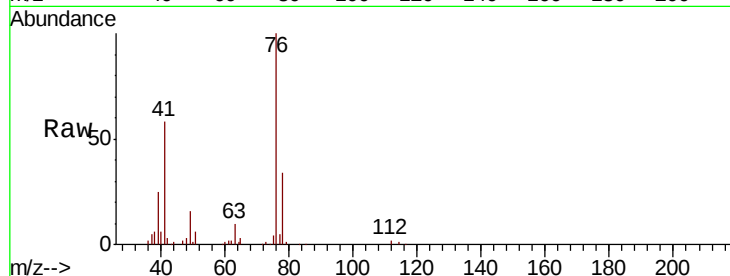
VY1106SBS01

Tot Ion: 76 Resp: 79924

Ion Ratio Lower Upper

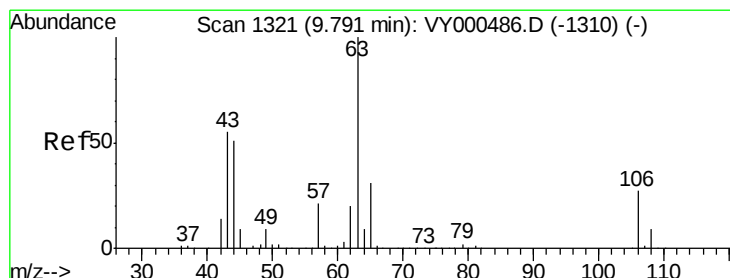
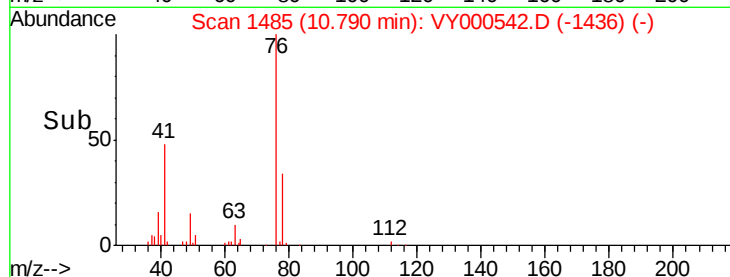
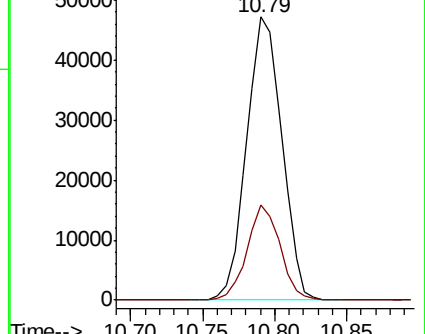
76 100

78 31.5 25.2 37.8



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: 97.813 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY000542.D

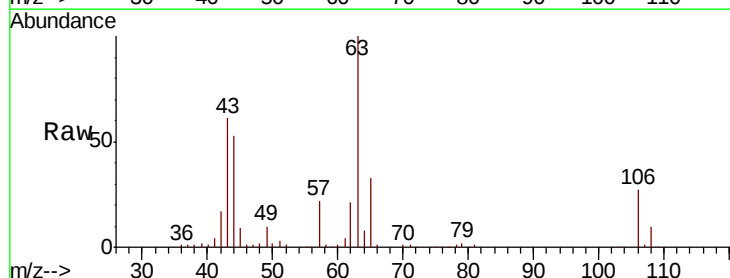
Acq: 06 Nov 2019 11:51

Tgt Ion: 63 Resp: 137267

Ion Ratio Lower Upper

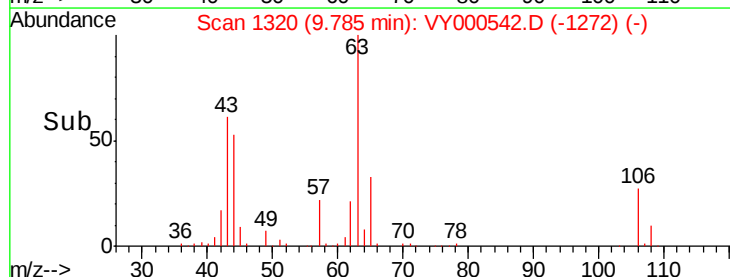
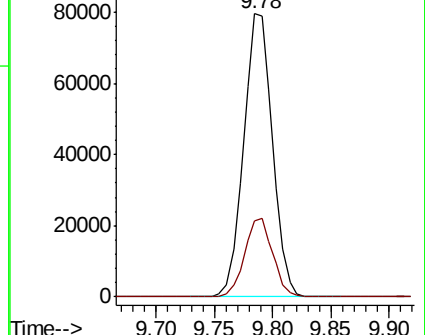
63 100

106 27.2 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

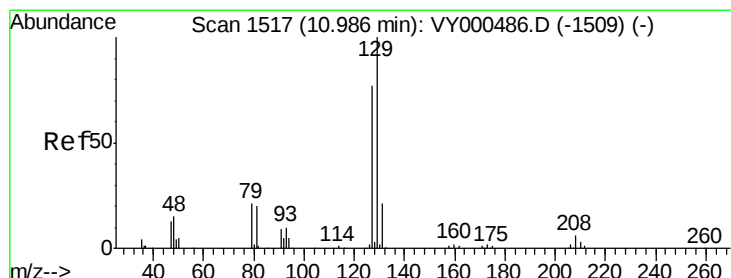
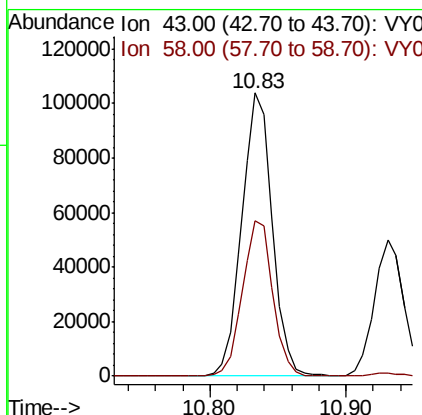
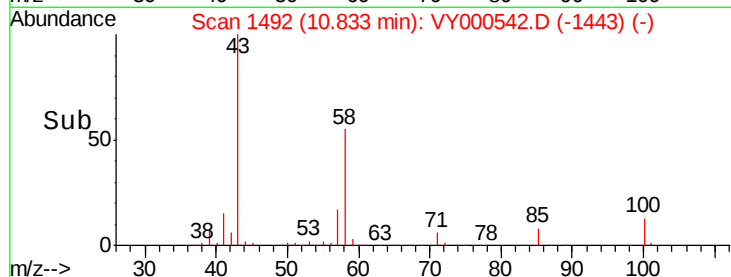
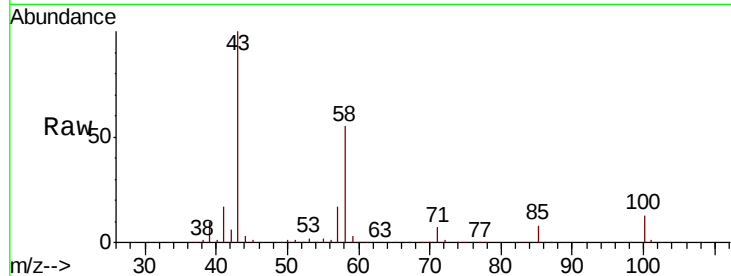




#59
2-Hexanone
Concen: 98.574 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

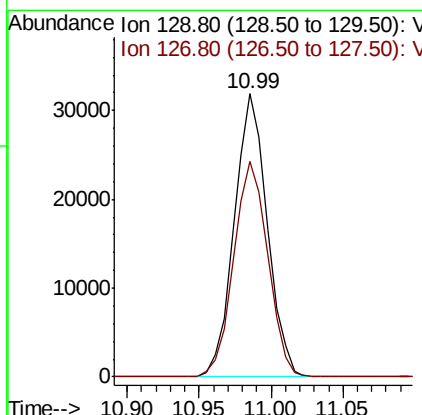
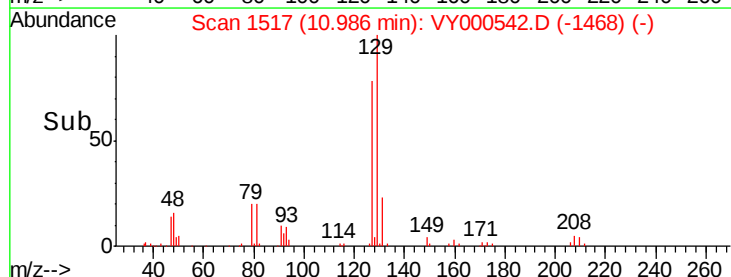
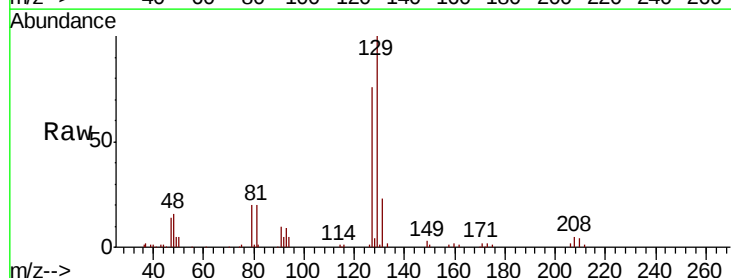
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

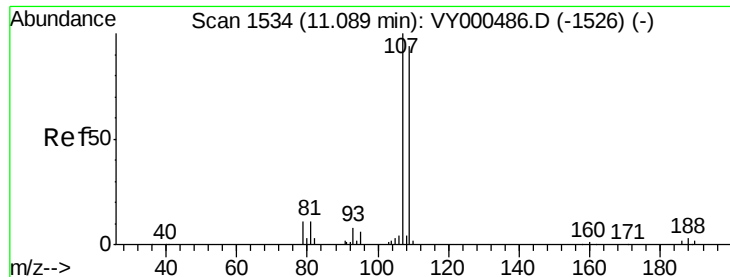
Tot Ion: 43 Resp: 162504
Ion Ratio Lower Upper
43 100
58 54.6 27.1 81.3



#60
Dibromochloromethane
Concen: 20.257 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 129 Resp: 50817
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.2

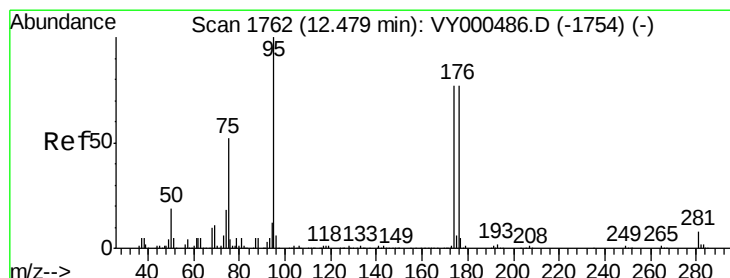
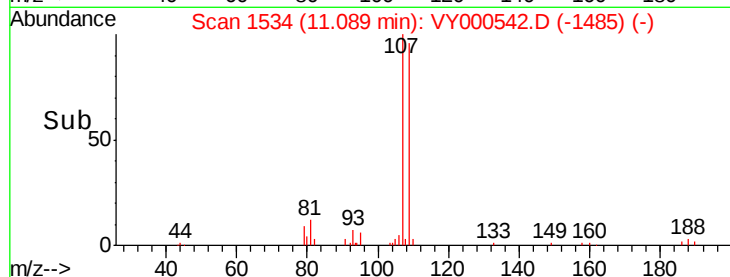
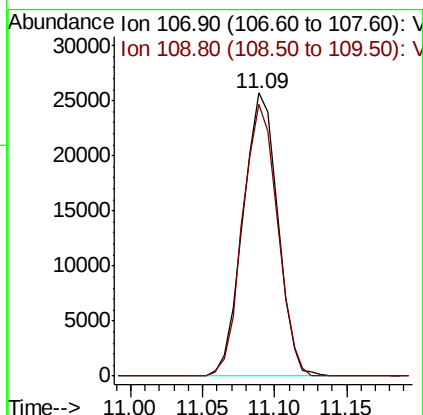
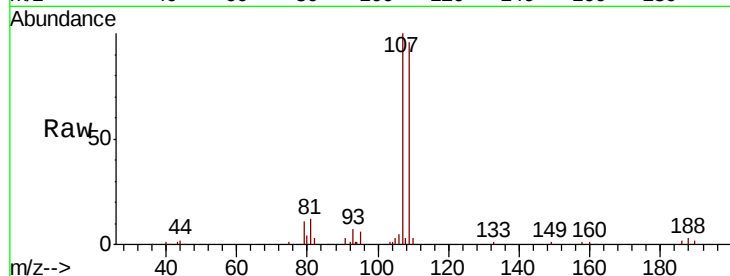




#61
 1,2-Dibromoethane
 Concen: 20.406 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

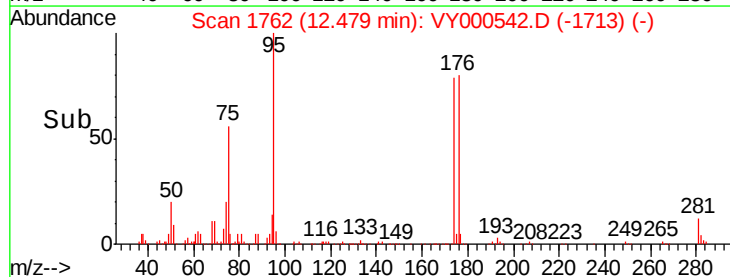
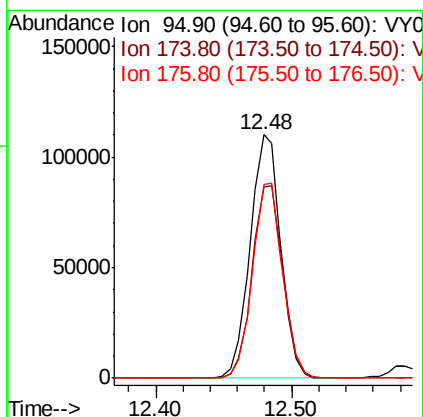
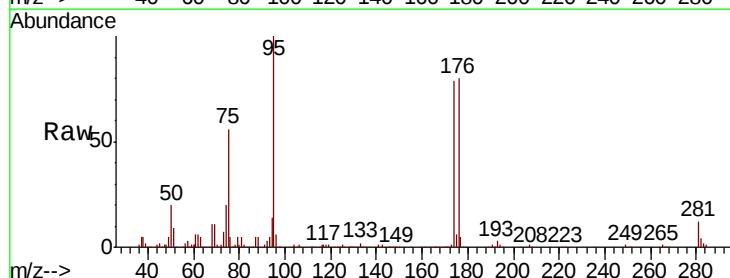
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

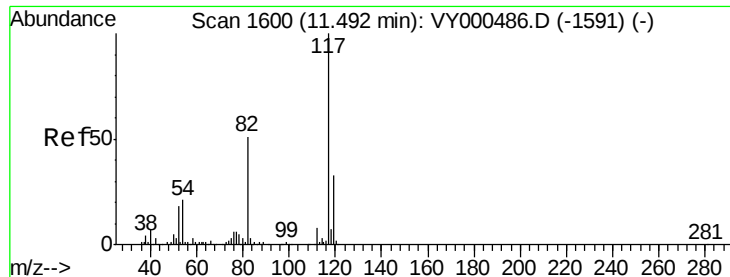
Tot Ion: 107 Resp: 42972
 Ion Ratio Lower Upper
 107 100
 109 96.0 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 50.843 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion: 95 Resp: 174035
 Ion Ratio Lower Upper
 95 100
 174 79.7 0.0 161.6
 176 78.7 0.0 157.8

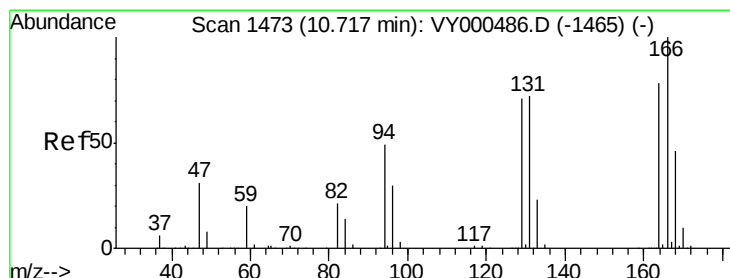
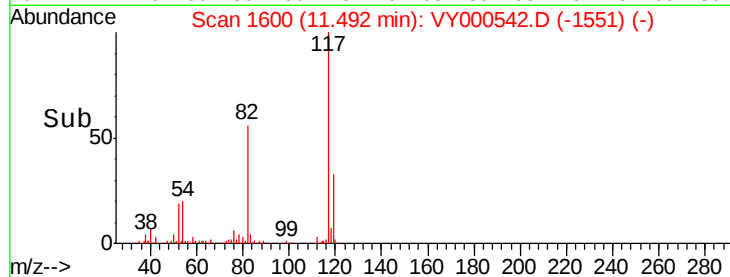
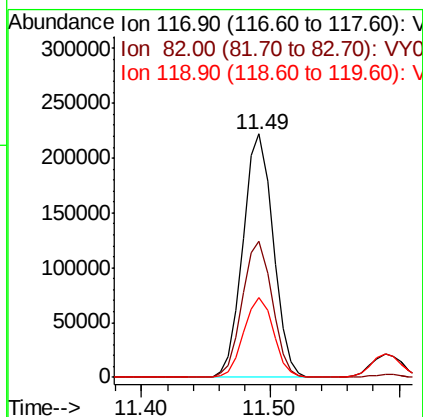
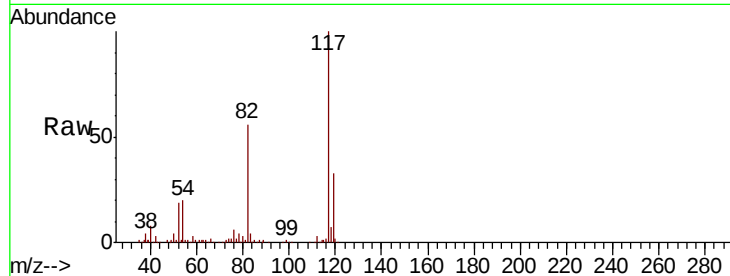




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

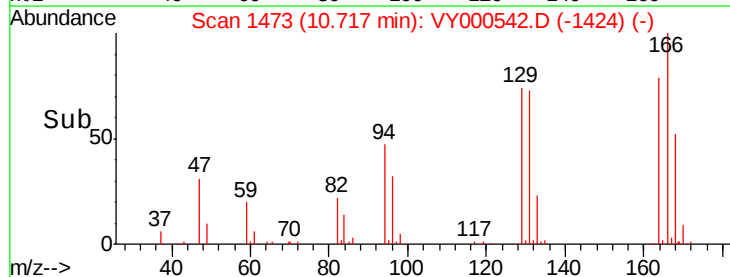
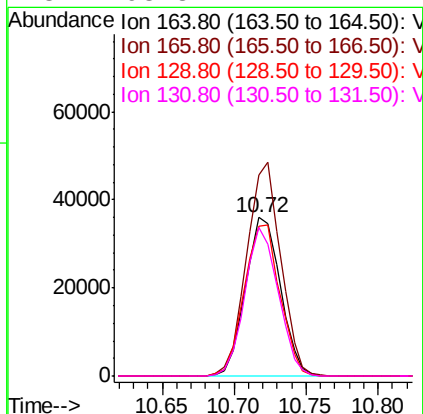
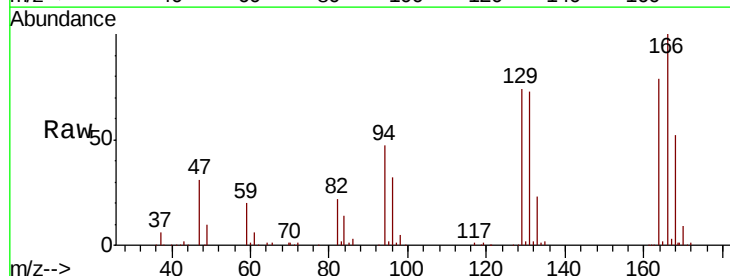
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

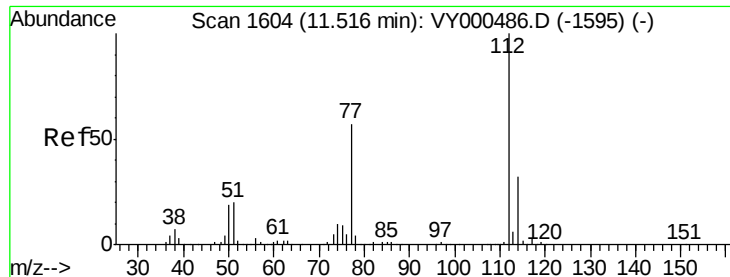
Tot Ion:117 Resp: 359962
Ion Ratio Lower Upper
117 100
82 56.1 40.8 61.2
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 20.360 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion:164 Resp: 60600
Ion Ratio Lower Upper
164 100
166 126.9 102.7 154.1
129 94.2 73.2 109.8
131 93.3 74.2 111.2

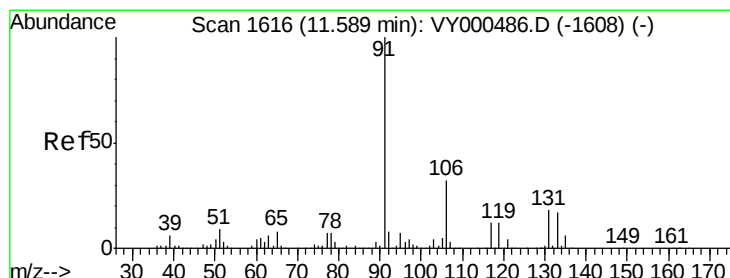
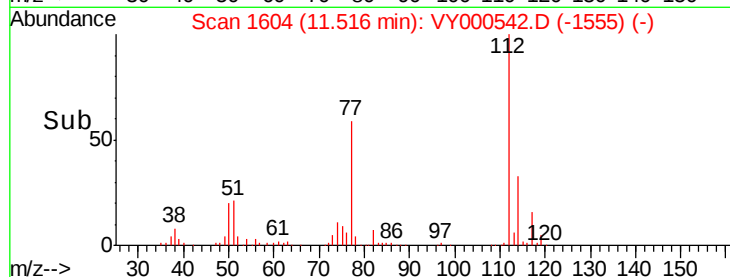
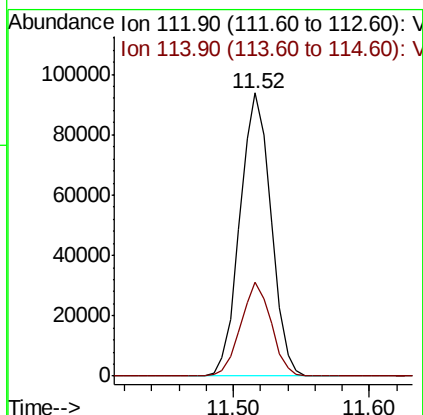
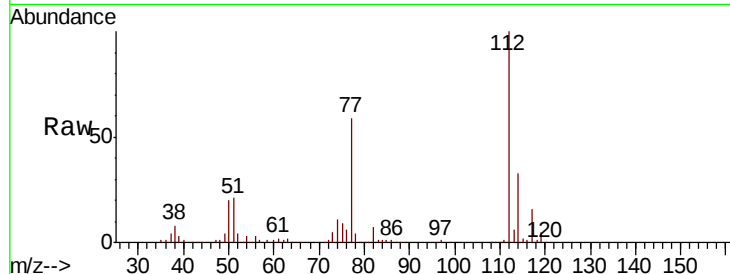




#65
Chlorobenzene
Concen: 20.573 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

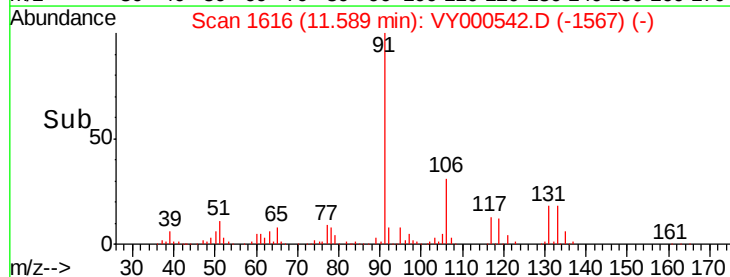
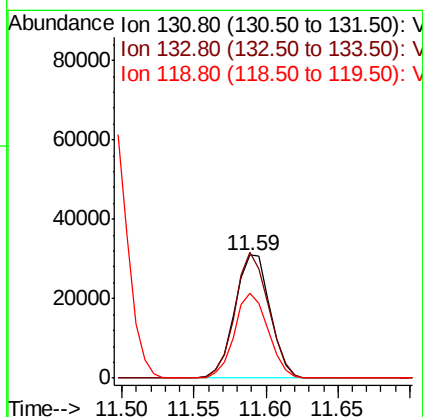
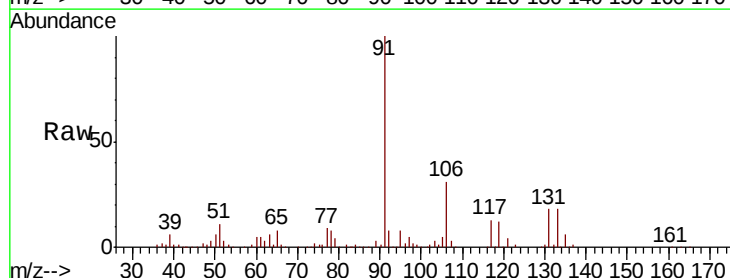
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

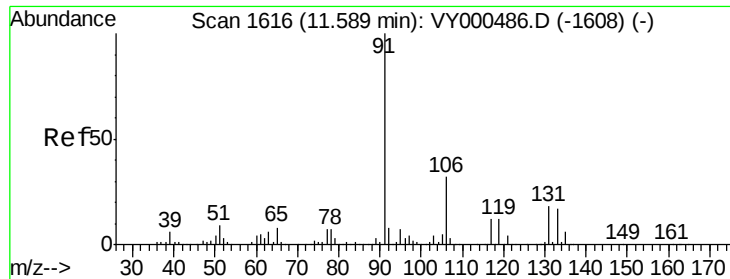
Tot Ion:112 Resp: 150146
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.965 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion:131 Resp: 53065
Ion Ratio Lower Upper
131 100
133 97.7 47.9 143.8
119 65.3 33.1 99.3

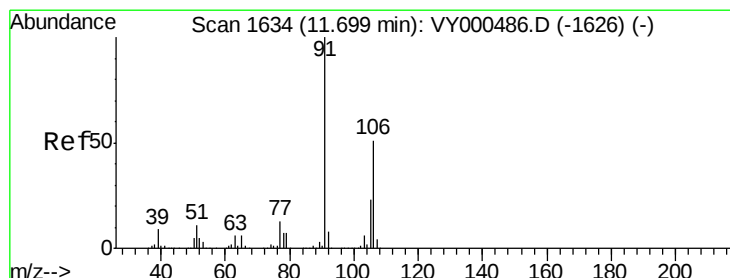
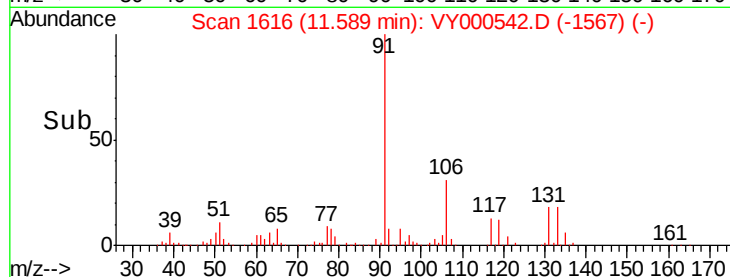
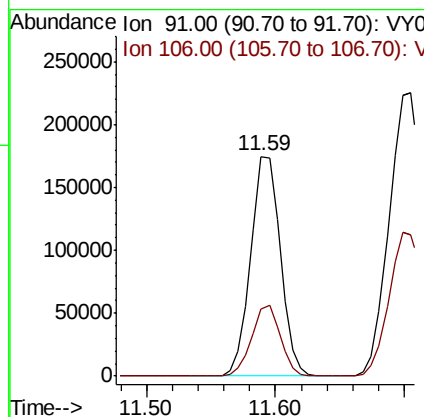
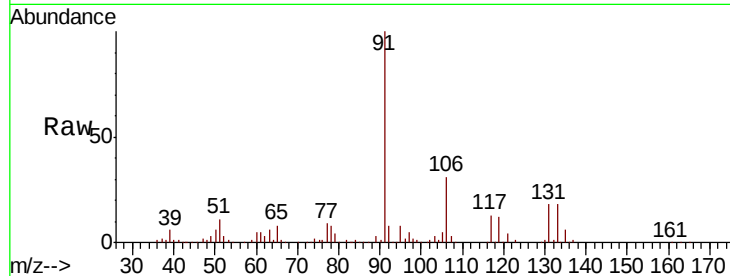




#67
Ethyl Benzene
Concen: 20.650 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

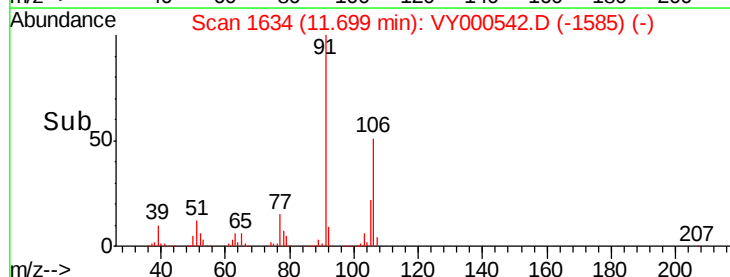
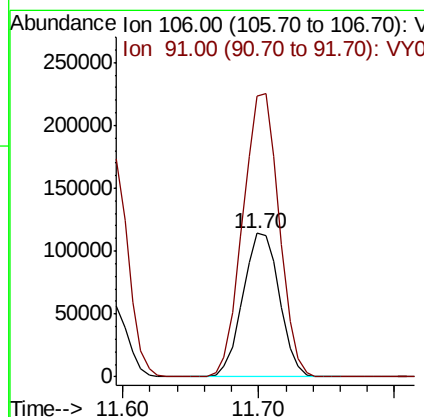
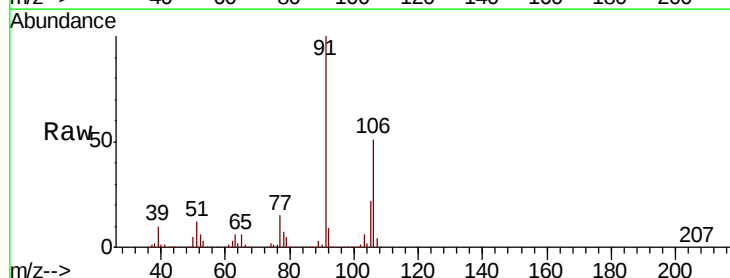
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

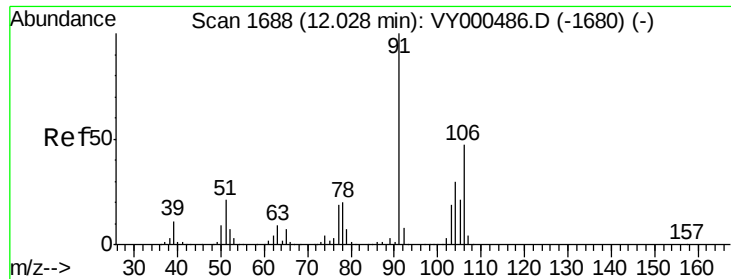
Tot Ion: 91 Resp: 277370
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.0



#68
m/p-Xylenes
Concen: 41.341 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 106 Resp: 214919
Ion Ratio Lower Upper
106 100
91 195.8 155.9 233.9

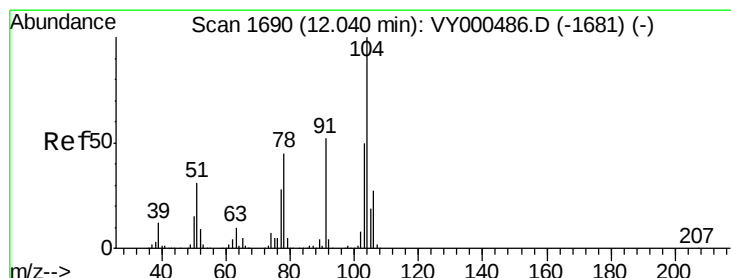
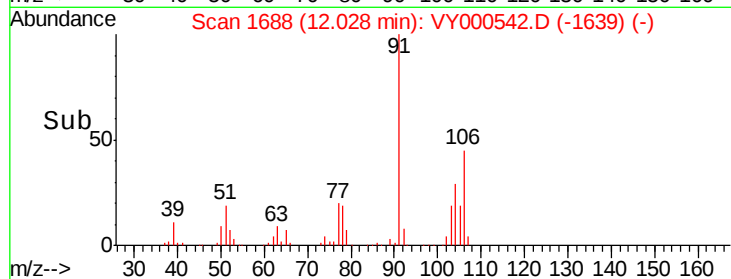
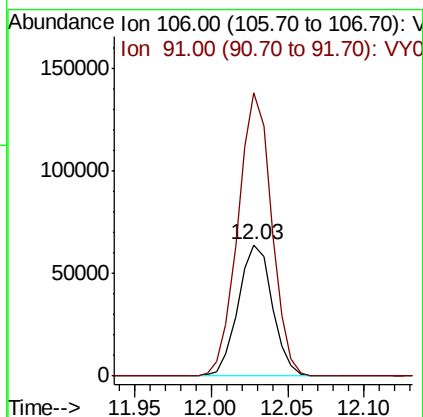
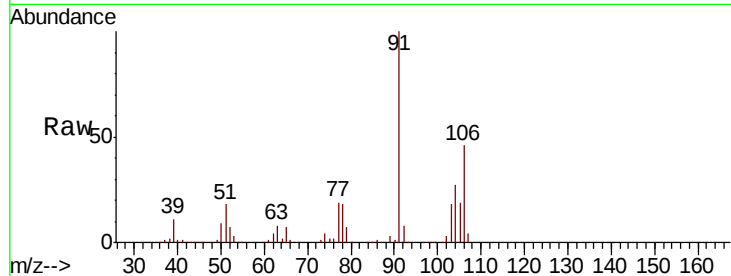




#69
o-Xylene
Concen: 20.328 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

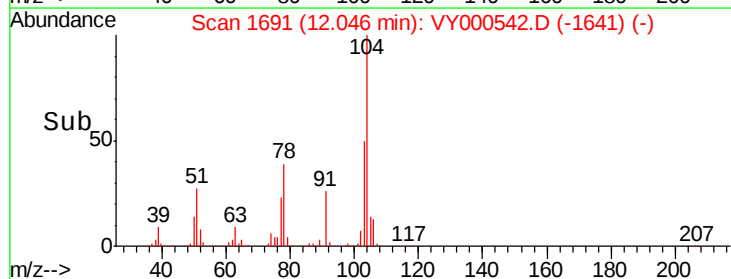
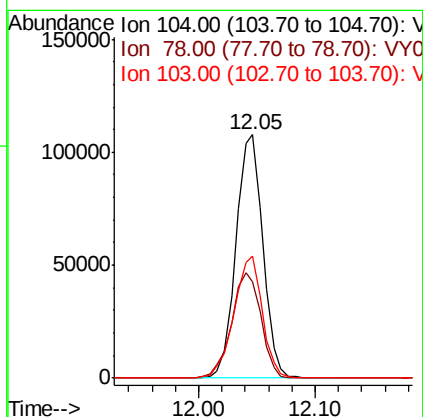
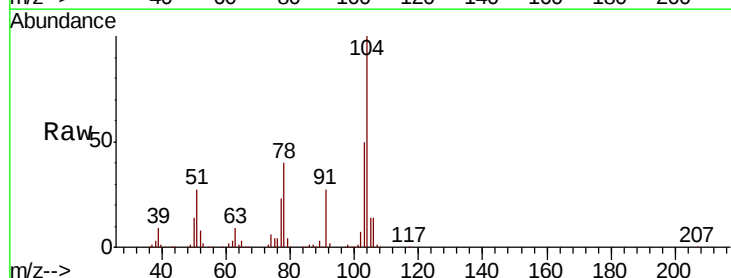
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

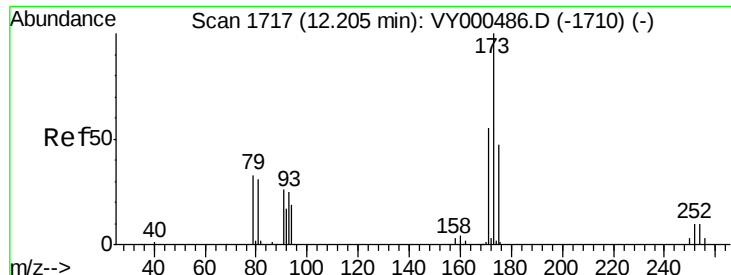
Tot Ion:106 Resp: 99320
Ion Ratio Lower Upper
106 100
91 212.1 106.5 319.6



#70
Styrene
Concen: 20.719 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion:104 Resp: 173339
Ion Ratio Lower Upper
104 100
78 47.2 39.0 58.4
103 52.8 42.5 63.7

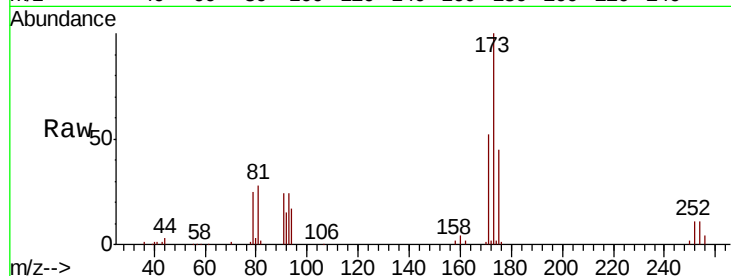




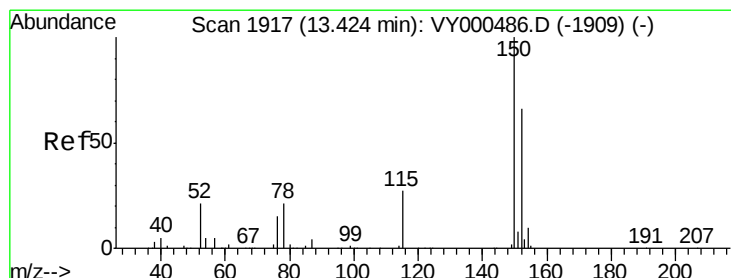
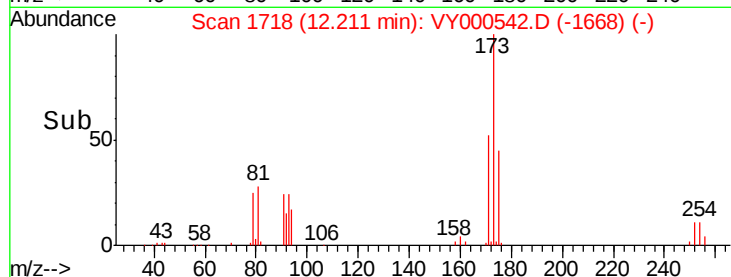
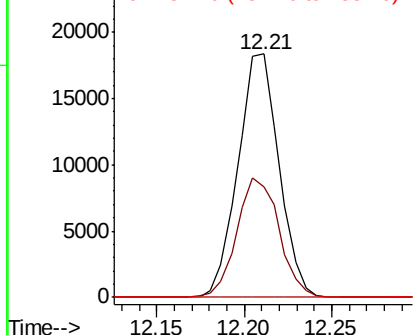
#71
Bromoform
Concen: 20.594 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

Tot Ion:173 Resp: 29981
Ion Ratio Lower Upper
173 100
175 50.3 24.4 73.2
254 0.0 0.1 0.1#

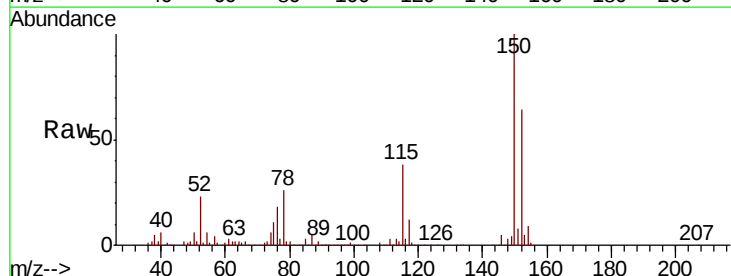


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

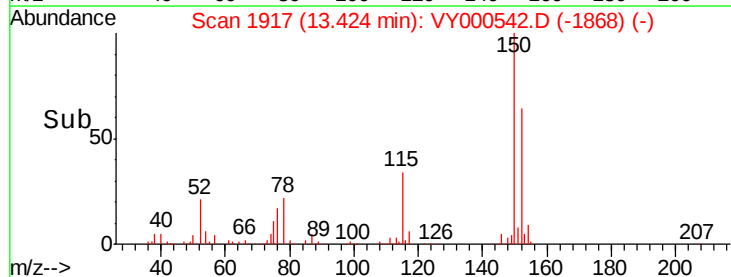
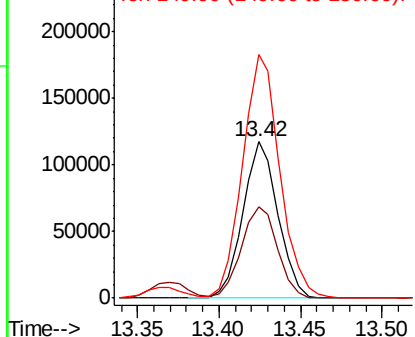


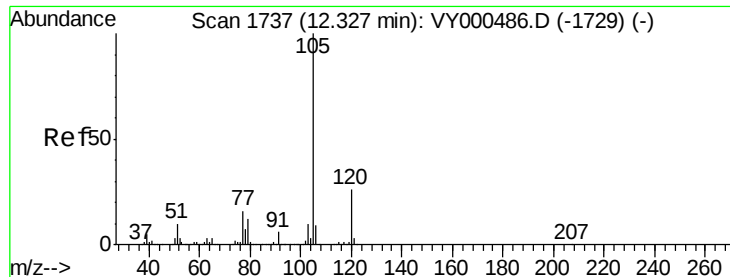
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion:152 Resp: 175103
Ion Ratio Lower Upper
152 100
115 60.0 29.1 87.4
150 166.0 0.0 348.8



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: 21.153 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

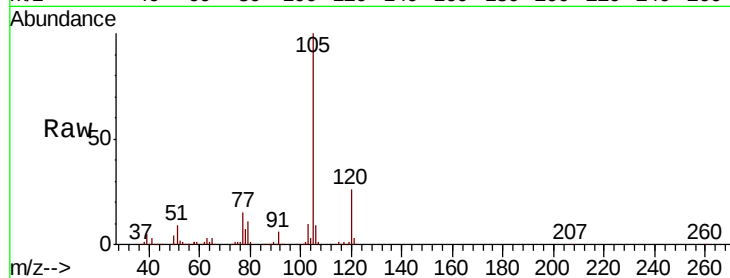
VY1106SBS01

Tot Ion:105 Resp: 273751

Ion Ratio Lower Upper

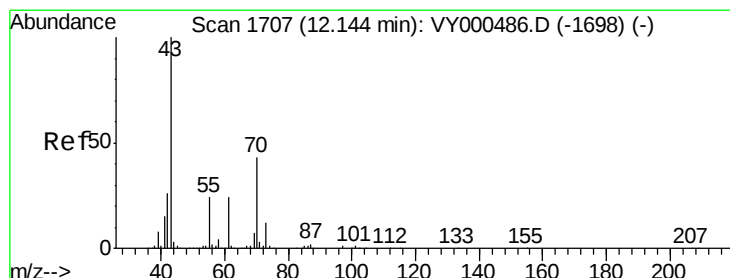
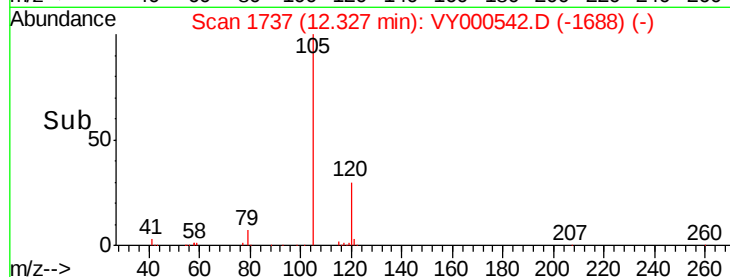
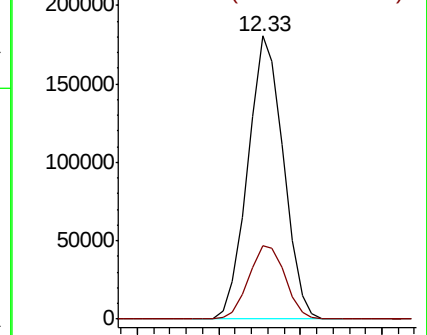
105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.648 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Tgt Ion: 43 Resp: 76529

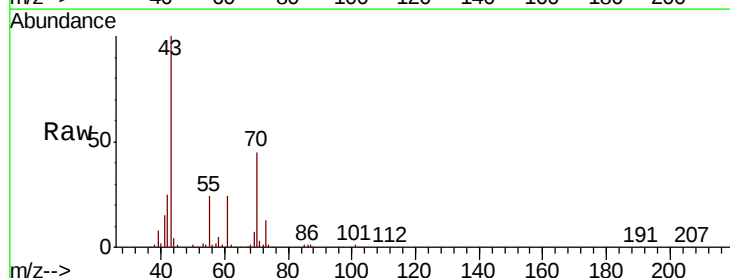
Ion Ratio Lower Upper

43 100

70 43.1 33.1 49.7

55 22.9 18.0 27.0

61 23.9 19.1 28.7

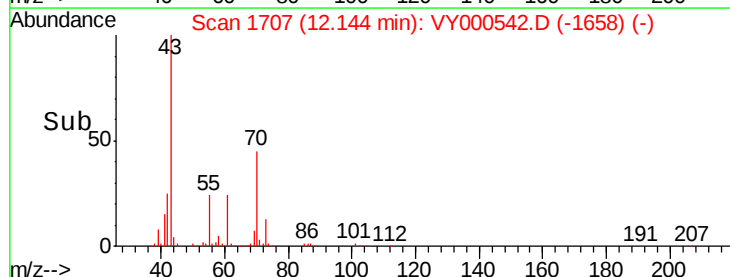
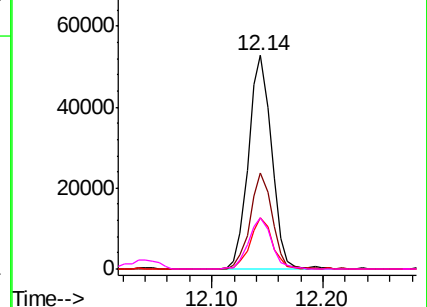


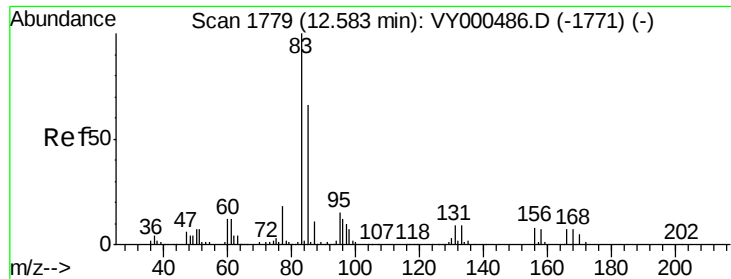
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.731 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

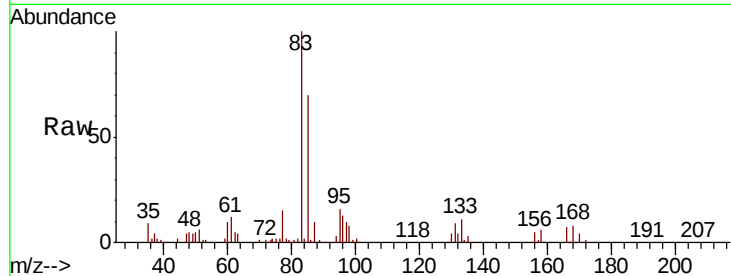
Tot Ion: 83 Resp: 53121

Ion Ratio Lower Upper

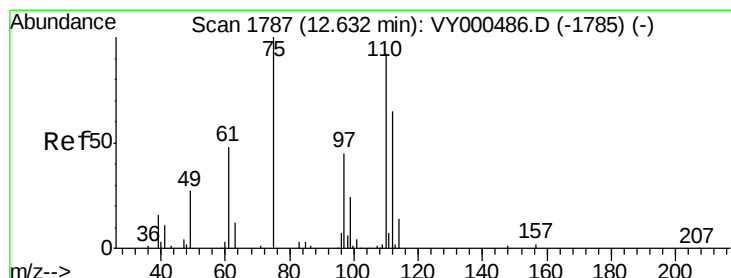
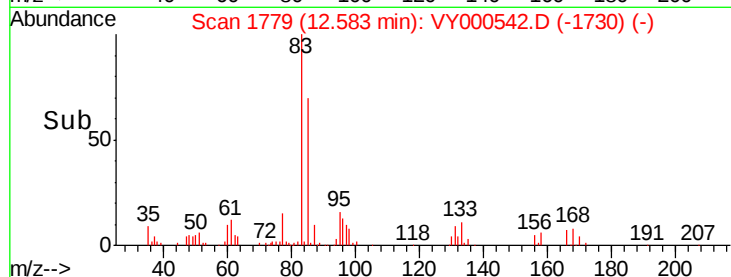
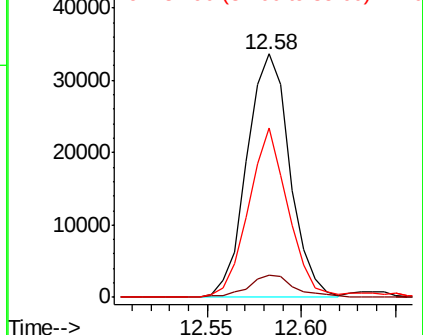
83 100

131 10.0 5.0 14.9

85 64.0 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 35.770 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000542.D

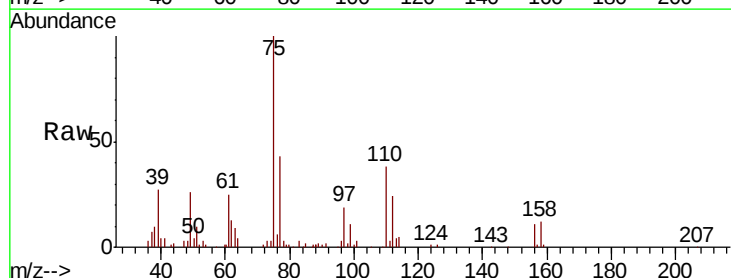
Acq: 06 Nov 2019 11:51

Tgt Ion: 75 Resp: 71318

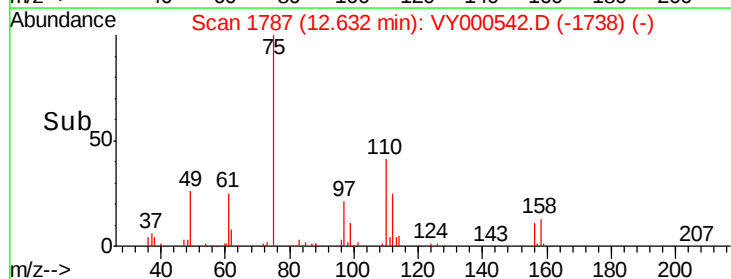
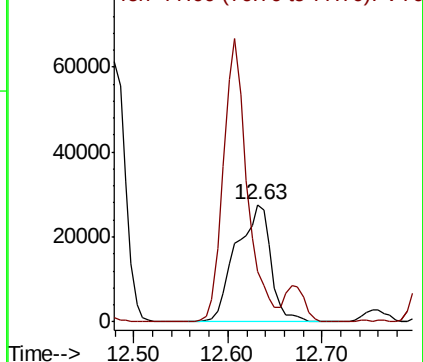
Ion Ratio Lower Upper

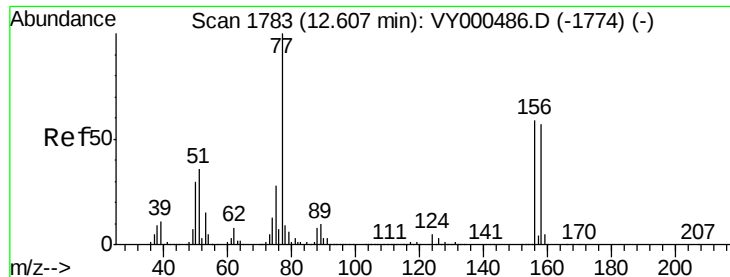
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.877 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

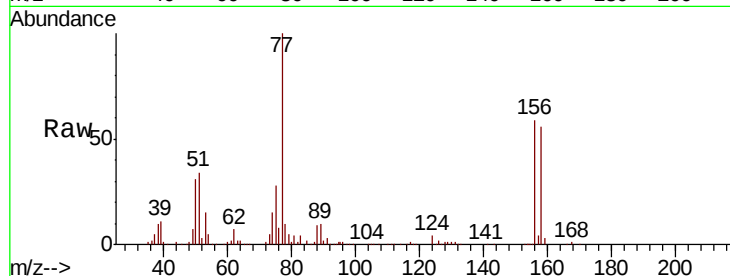
Tot Ion:156 Resp: 61268

Ion Ratio Lower Upper

156 100

77 191.3 98.2 294.4

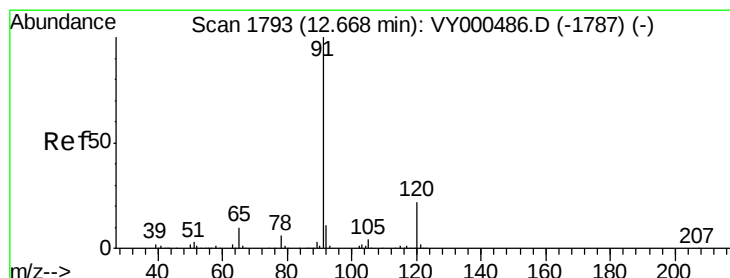
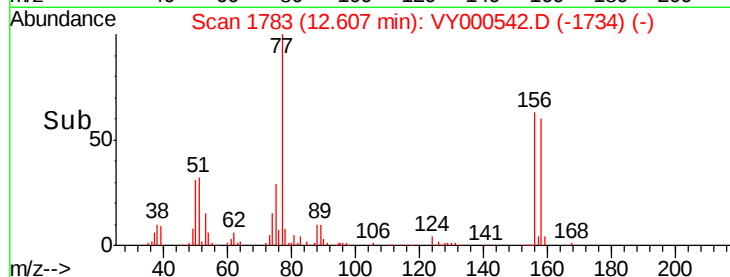
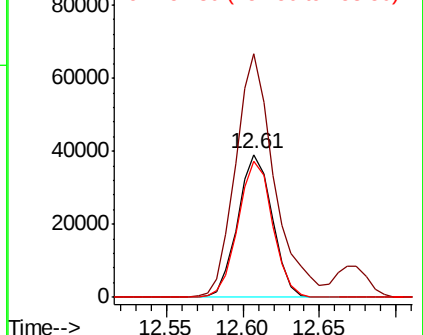
158 95.4 49.6 149.0



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: 21.016 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000542.D

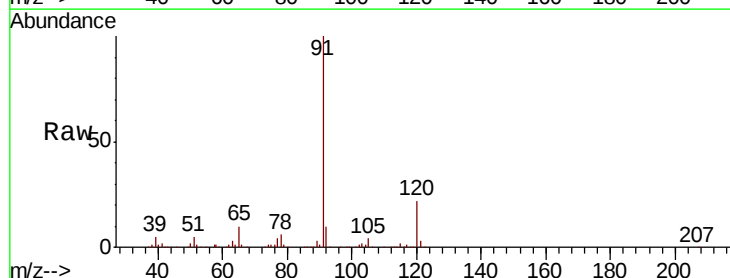
Acq: 06 Nov 2019 11:51

Tgt Ion: 91 Resp: 328167

Ion Ratio Lower Upper

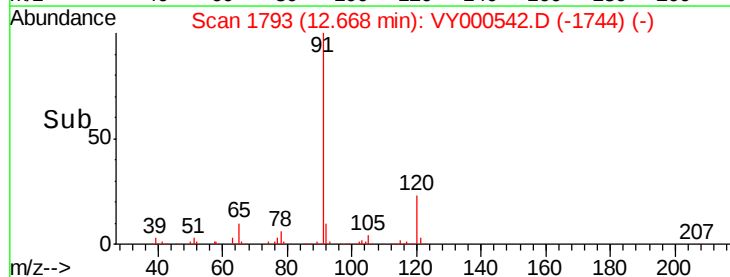
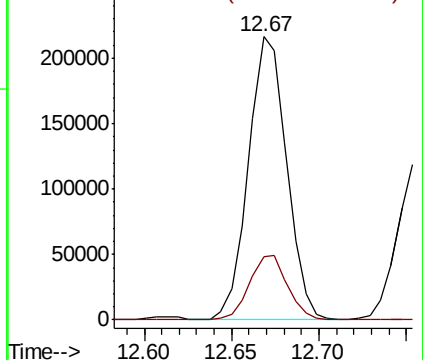
91 100

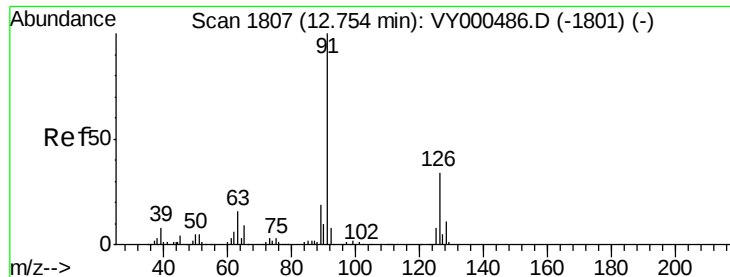
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.863 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

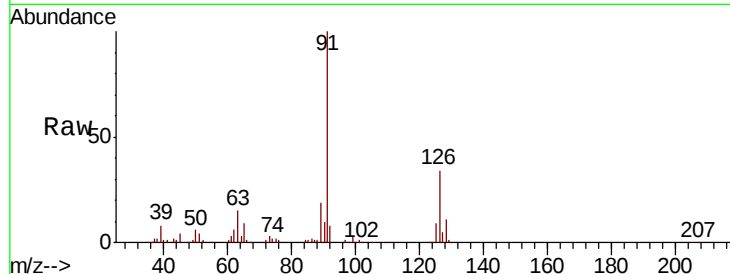
VY1106SBS01

Tot Ion: 91 Resp: 180853

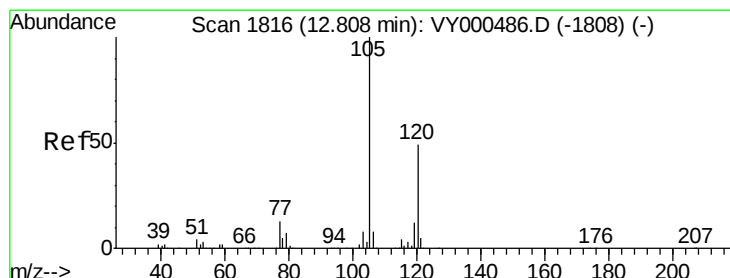
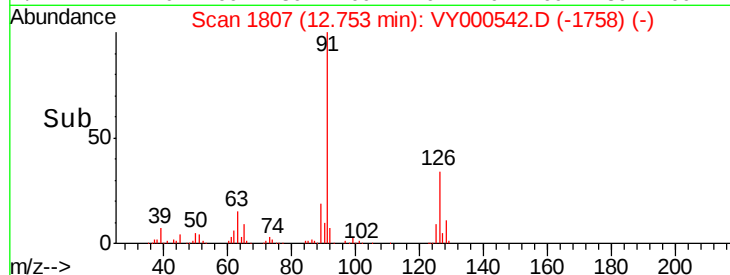
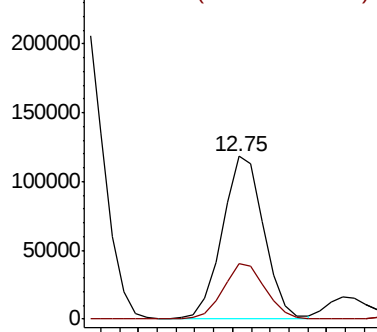
Ion Ratio Lower Upper

91 100

126 34.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.553 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000542.D

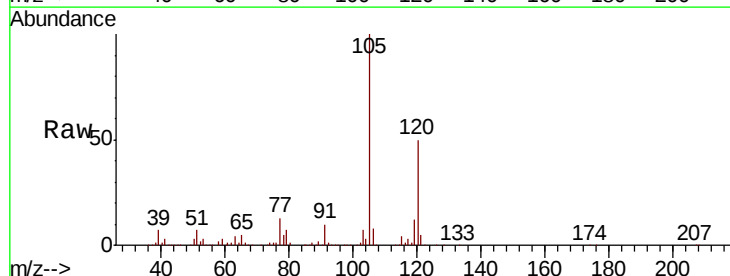
Acq: 06 Nov 2019 11:51

Tgt Ion: 105 Resp: 232302

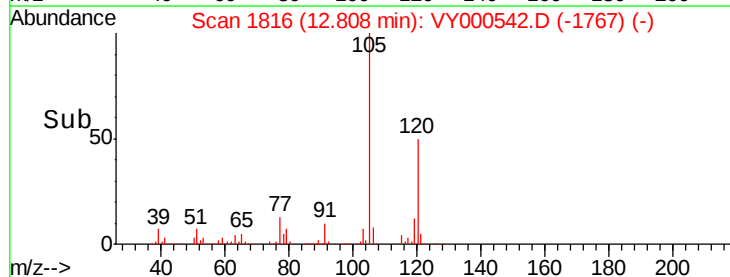
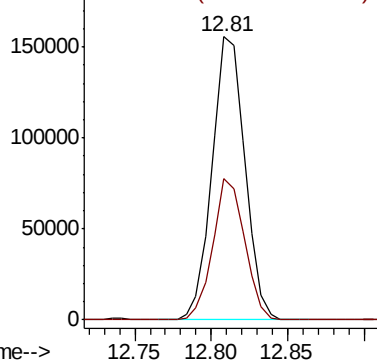
Ion Ratio Lower Upper

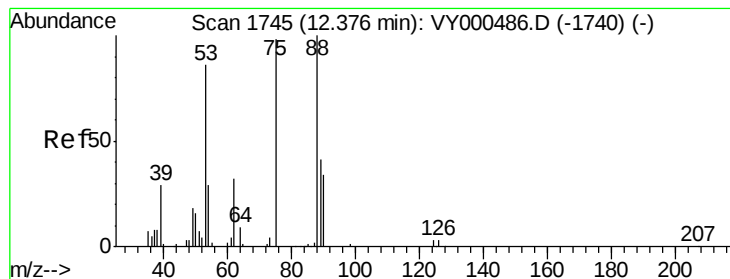
105 100

120 48.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1808) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.157 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

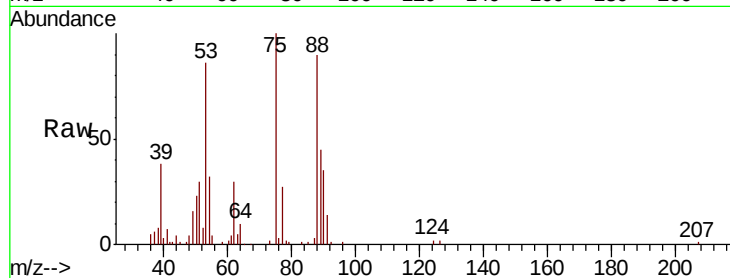
Tot Ion: 75 Resp: 17924

Ion Ratio Lower Upper

75 100

53 97.1 73.2 109.8

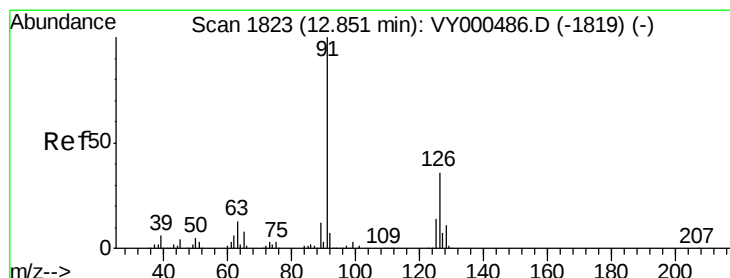
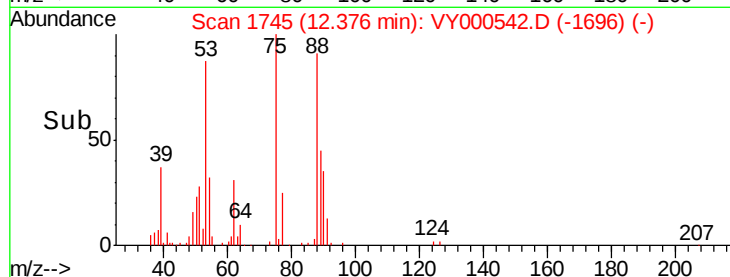
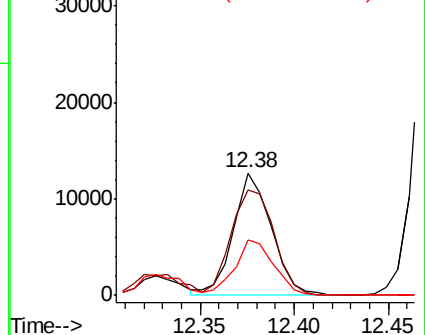
89 45.5 35.9 53.9



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: 21.190 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000542.D

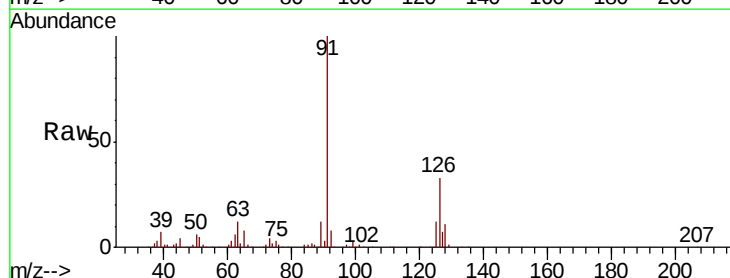
Acq: 06 Nov 2019 11:51

Tgt Ion: 91 Resp: 190406

Ion Ratio Lower Upper

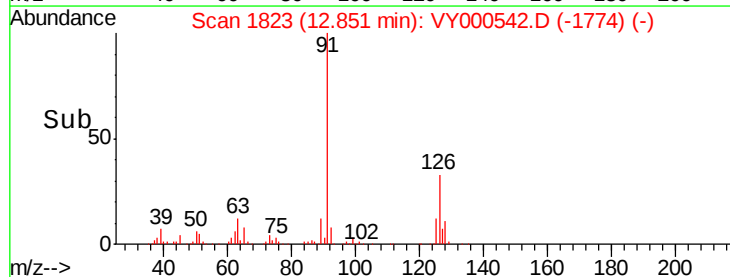
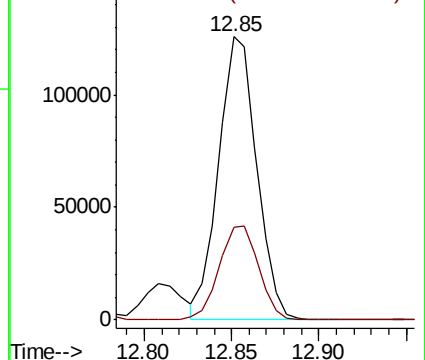
91 100

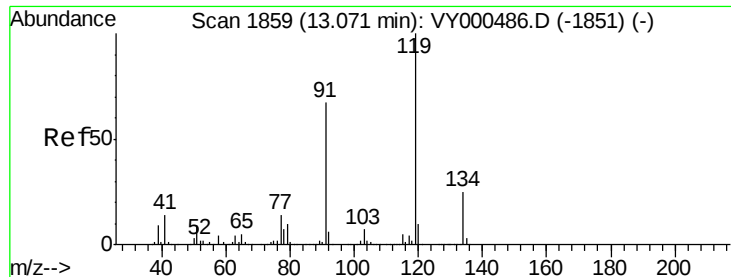
126 34.4 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

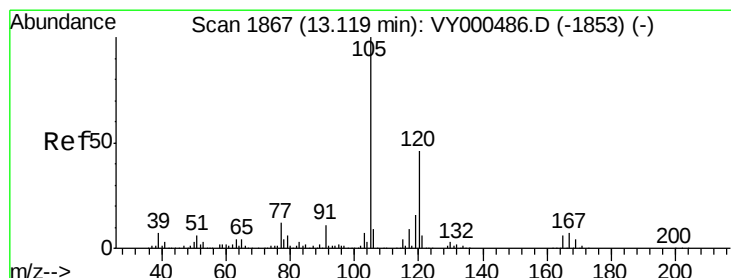
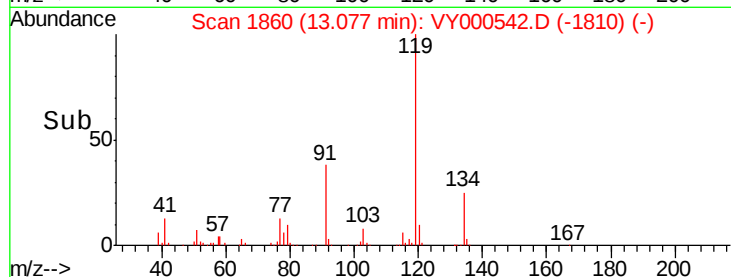
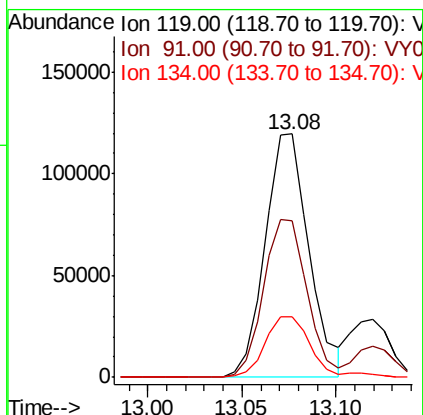
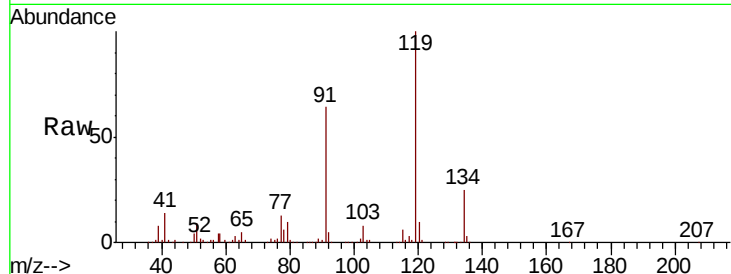




#83
tert-Butylbenzene
Concen: 21.001 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

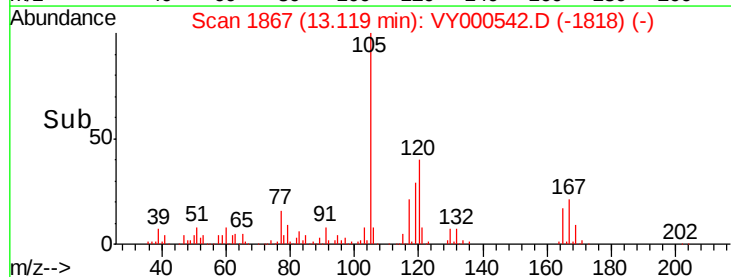
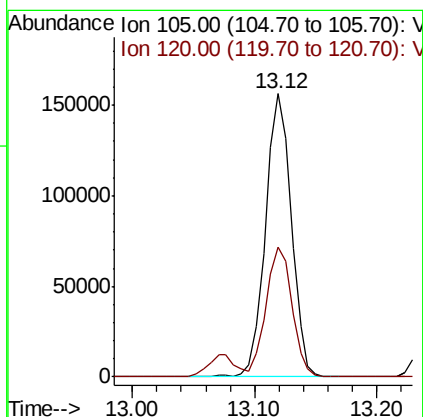
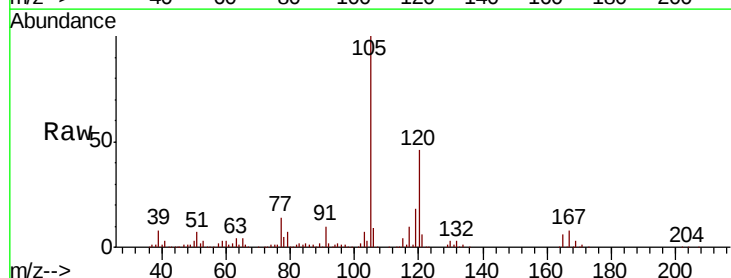
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

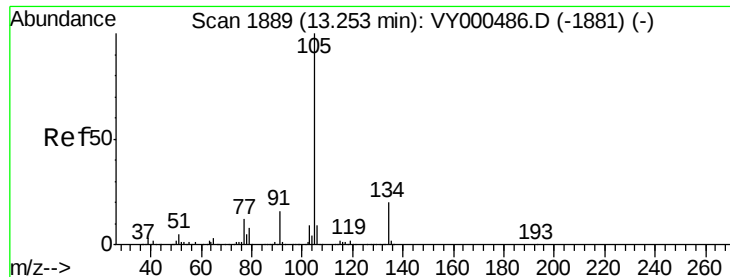
Tot Ion:119 Resp: 193272
Ion Ratio Lower Upper
119 100
91 64.2 32.1 96.3
134 26.2 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 21.423 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion:105 Resp: 229902
Ion Ratio Lower Upper
105 100
120 46.1 23.3 69.9





#85

sec-Butylbenzene

Concen: 21.143 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

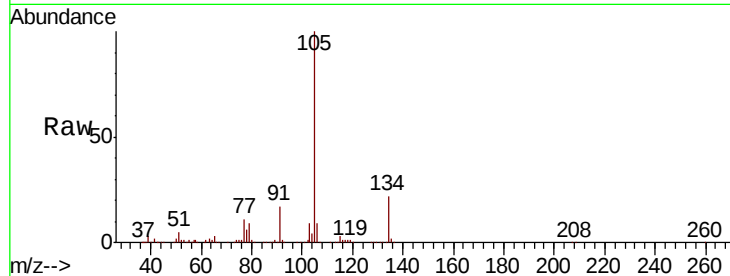
VY1106SBS01

Tot Ion:105 Resp: 277223

Ion Ratio Lower Upper

105 100

134 20.8 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

50000

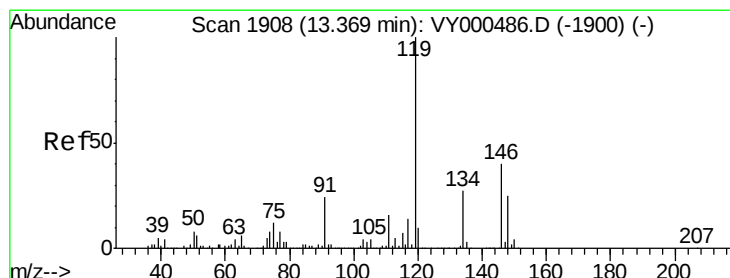
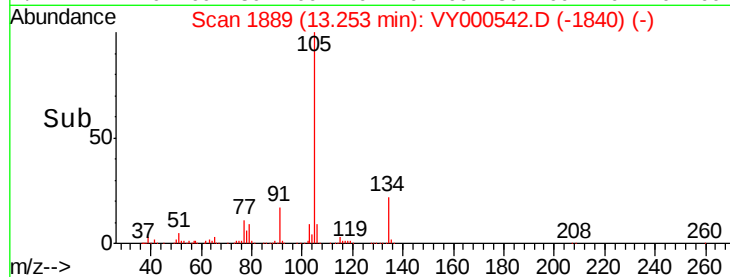
0

13.20

13.25

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.324 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

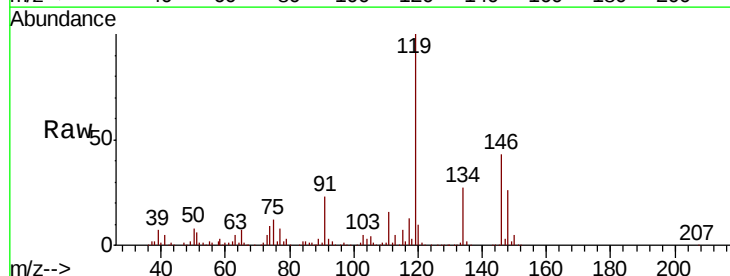
Tgt Ion:119 Resp: 249181

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

200000

150000

100000

50000

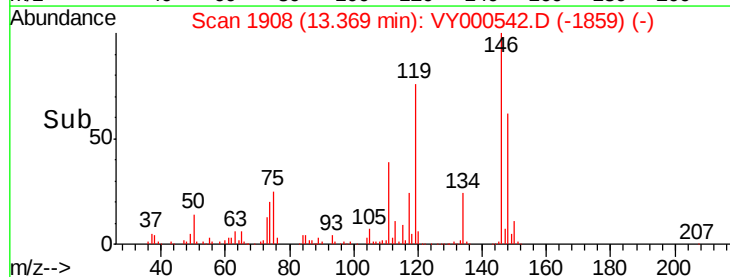
0

13.30

13.35

13.40

Time-->

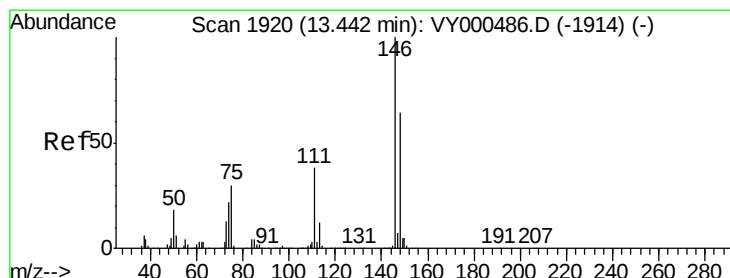
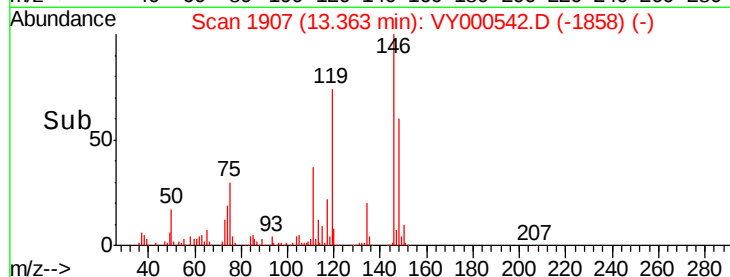
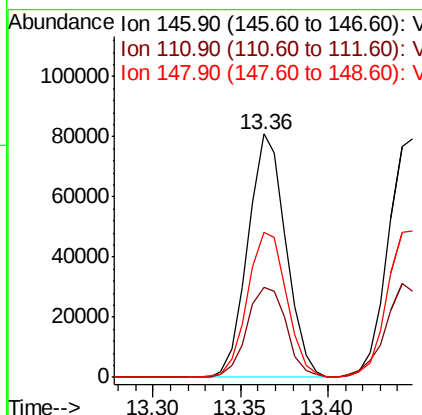
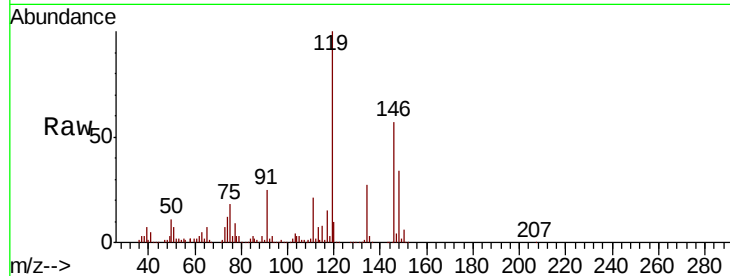




#87
 1,3-Dichlorobenzene
 Concen: 21.371 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

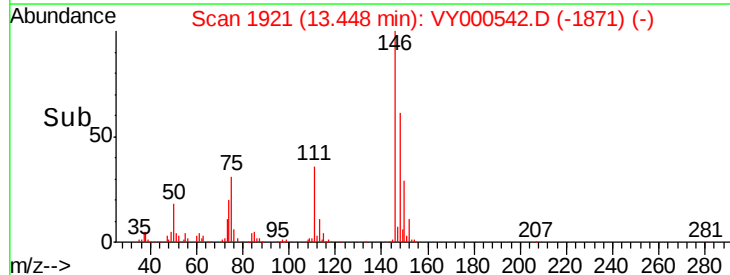
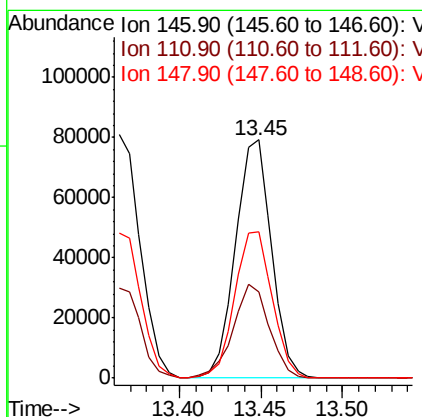
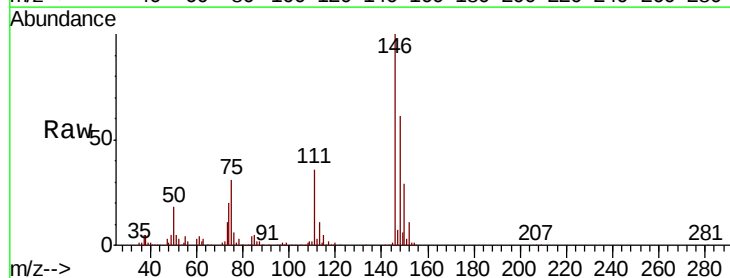
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

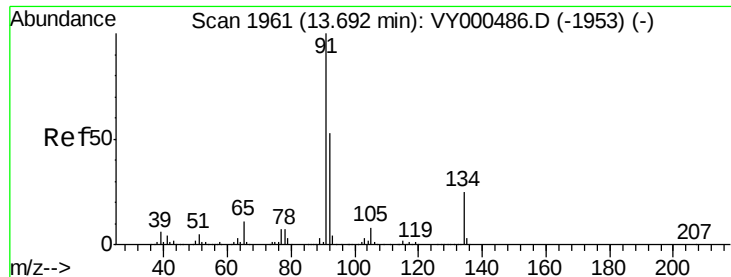
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.3	60.8
148	61.5	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 21.241 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	63.7	31.9	95.7

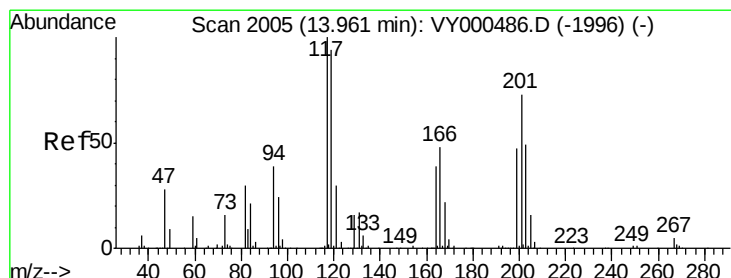
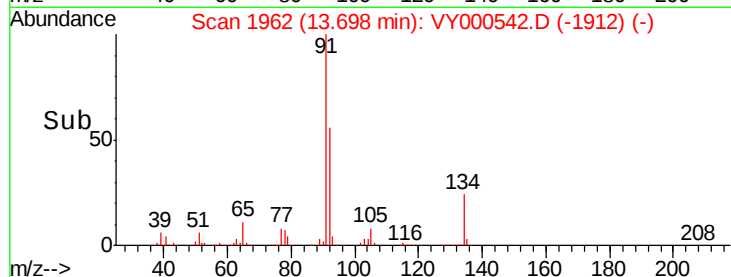
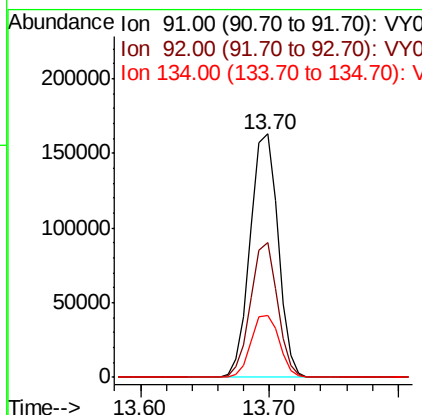
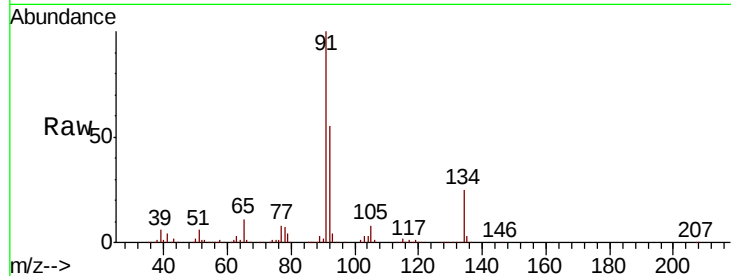




#89
n-Butylbenzene
Concen: 21.016 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

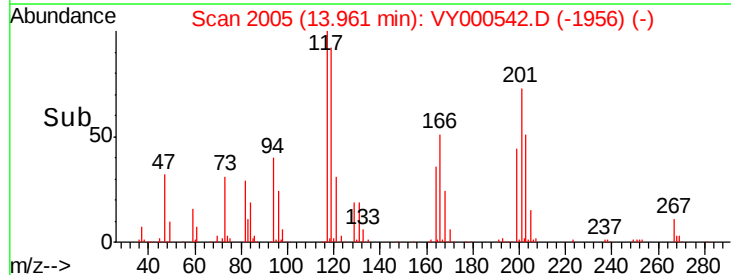
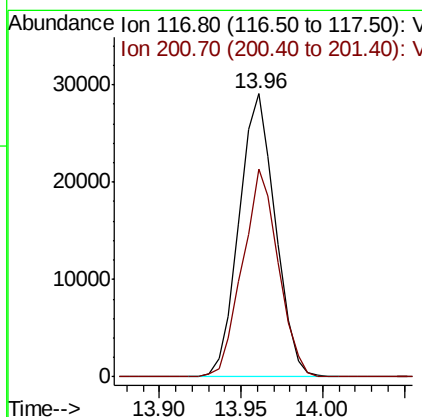
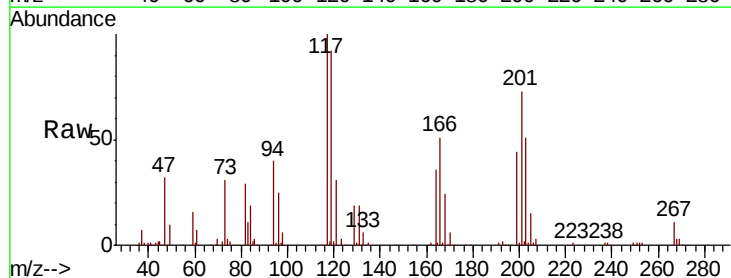
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBS01

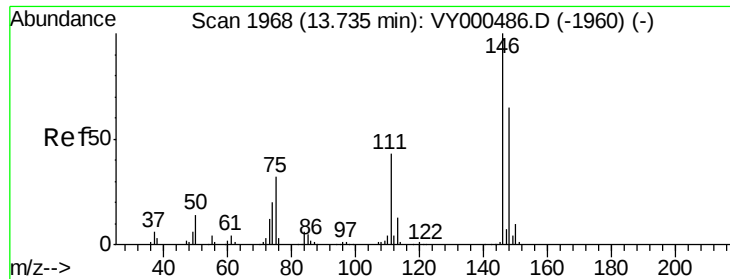
Tot Ion: 91 Resp: 242223
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.3
134 25.9 12.9 38.7



#90
Hexachloroethane
Concen: 20.834 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000542.D
Acq: 06 Nov 2019 11:51

Tgt Ion: 117 Resp: 45009
Ion Ratio Lower Upper
117 100
201 72.7 35.8 107.3





#91

1,2-Dichlorobenzene

Concen: 20.986 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

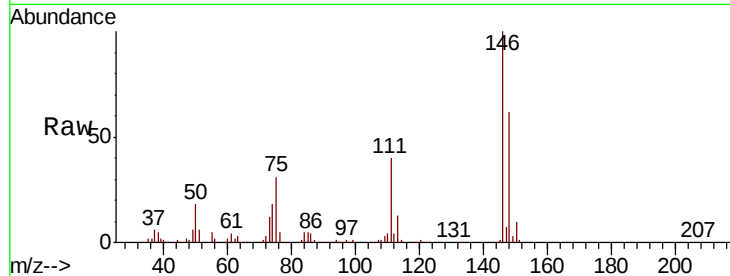
Tot Ion:146 Resp: 109452

Ion Ratio Lower Upper

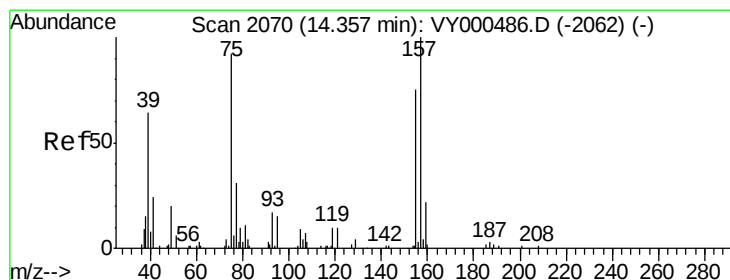
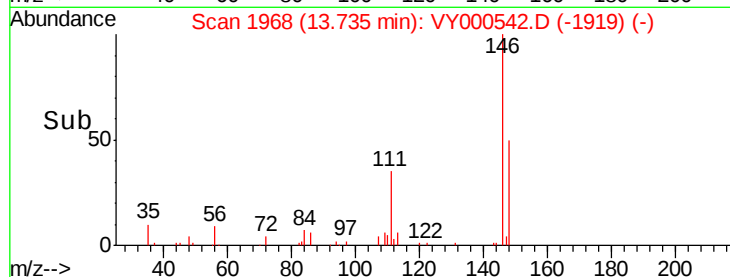
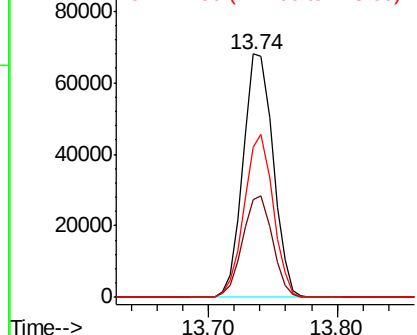
146 100

111 41.4 20.5 61.5

148 64.4 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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.367 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

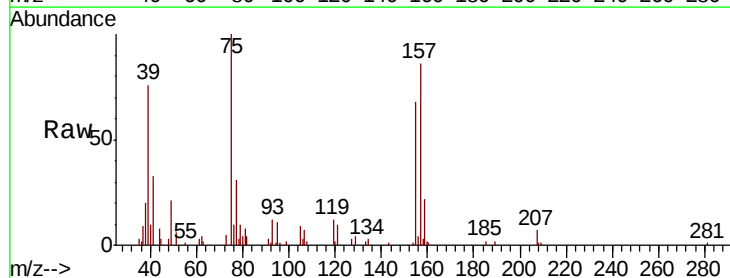
Tgt Ion: 75 Resp: 9690

Ion Ratio Lower Upper

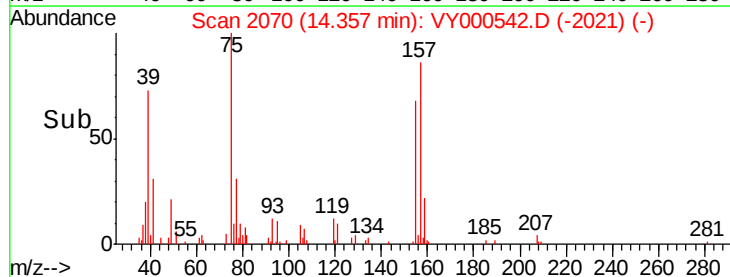
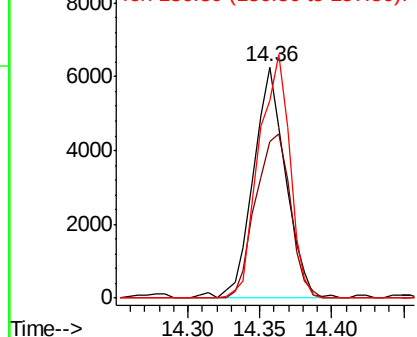
75 100

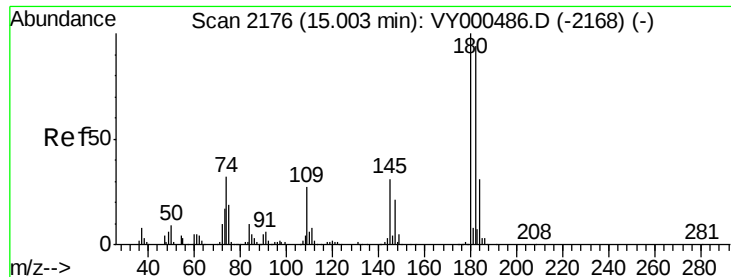
155 76.7 42.4 127.1

157 101.0 55.1 165.3



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

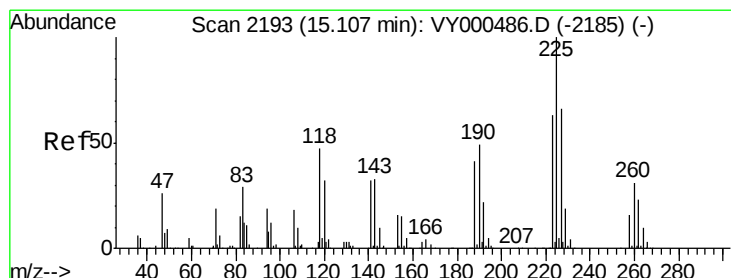
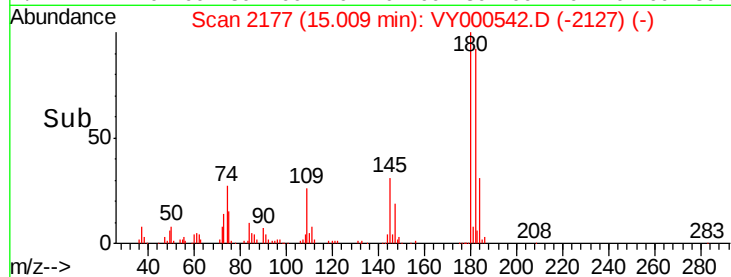
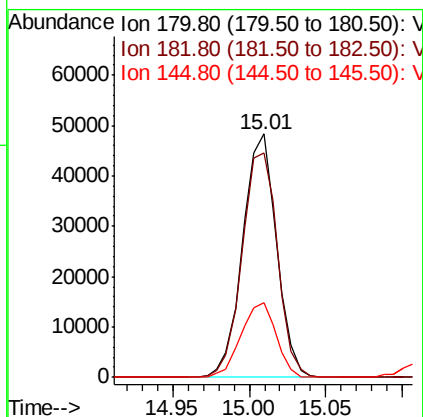
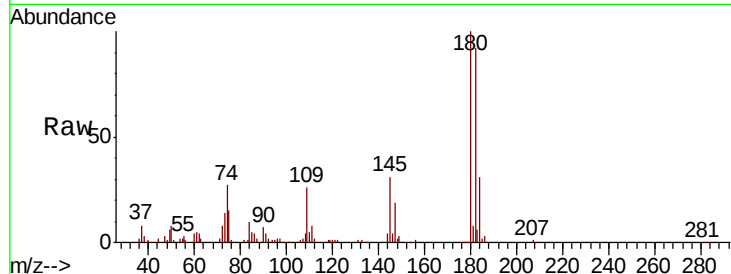




#93
 1,2,4-Trichlorobenzene
 Concen: 20.957 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

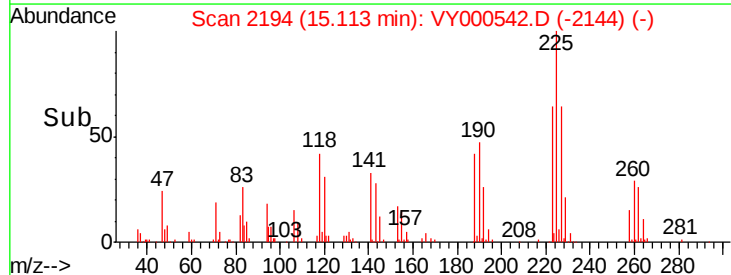
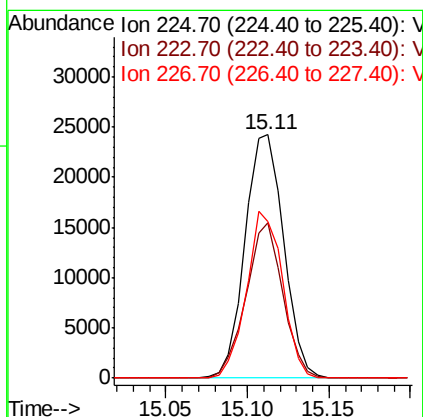
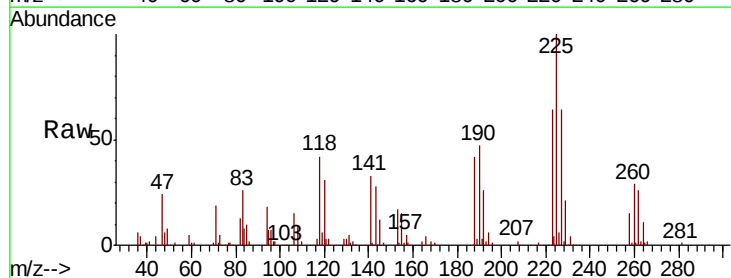
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBS01

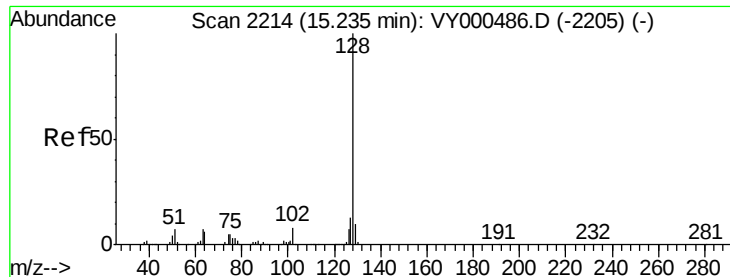
Tot Ion:180 Resp: 74422
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.8 143.4
 145 31.8 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 21.882 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000542.D
 Acq: 06 Nov 2019 11:51

Tgt Ion:225 Resp: 40057
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.3 93.8
 227 63.6 32.4 97.0





#95

Naphthalene

Concen: 20.946 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBS01

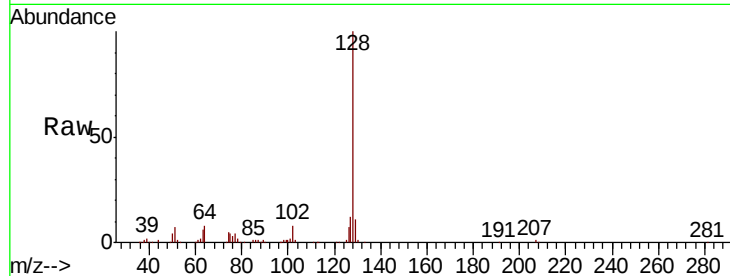
Tot Ion:128 Resp: 165128

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.6

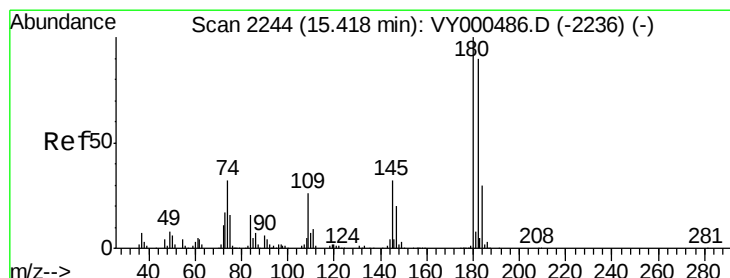
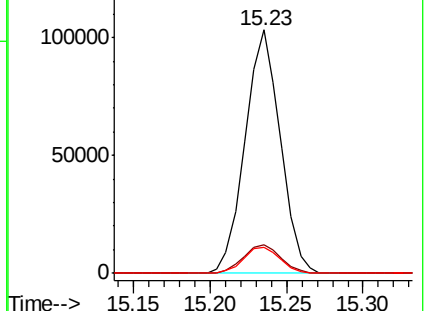
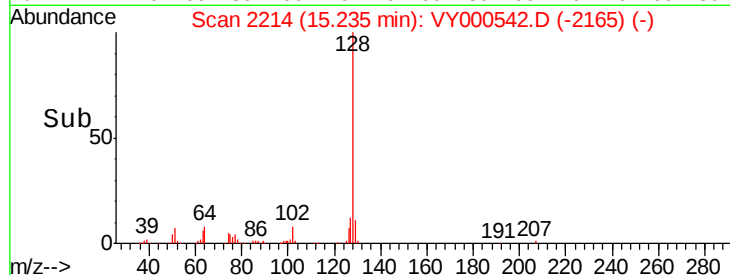
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.966 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY000542.D

Acq: 06 Nov 2019 11:51

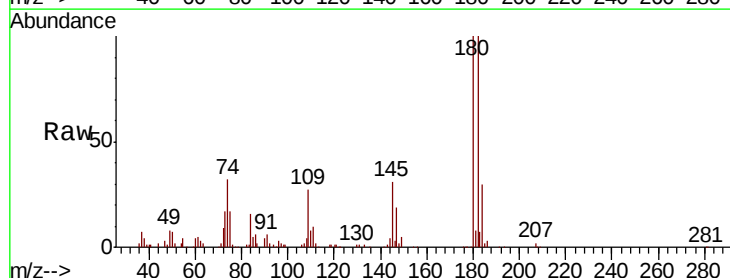
Tgt Ion:180 Resp: 66798

Ion Ratio Lower Upper

180 100

182 95.6 47.4 142.3

145 33.1 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

