

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103019\
 Data File : VY000489.D
 Acq On : 30 Oct 2019 13:06
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

Quant Time: Oct 31 02:09:35 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	269340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	454459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	408753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	205084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	142989	51.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.60%	
35) Dibromofluoromethane	7.73	113	128001	47.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.96%	
50) Toluene-d8	10.18	98	530567	52.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.48	95	191592	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	140162	52.864	ug/l	97
3) Chloromethane	2.11	50	192680	52.754	ug/l	99
4) Vinyl Chloride	2.25	62	179411	52.897	ug/l	99
5) Bromomethane	2.65	94	101686	49.996	ug/l	94
6) Chloroethane	2.79	64	110789	52.191	ug/l	97
7) Trichlorofluoromethane	3.13	101	232740	50.812	ug/l	96
8) Diethyl Ether	3.53	74	82062	50.421	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	137372	49.607	ug/l	98
10) Methyl Iodide	4.09	142	182593	50.088	ug/l	97
11) Tert butyl alcohol	4.97	59	66995	246.915	ug/l	96
12) 1,1-Dichloroethene	3.87	96	137074	50.949	ug/l	93
13) Acrolein	3.74	56	62864	265.988	ug/l	98
14) Allyl chloride	4.49	41	240244	54.916	ug/l	97
15) Acrylonitrile	5.18	53	224378	269.123	ug/l	99
16) Acetone	3.96	43	219085	285.186	ug/l	97
17) Carbon Disulfide	4.19	76	447924	52.786	ug/l	99
18) Methyl Acetate	4.48	43	121090	50.694	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	386059	51.610	ug/l	99
20) Methylene Chloride	4.72	84	156440	47.525	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	156115	51.327	ug/l	98
22) Diisopropyl ether	6.13	45	514156	54.072	ug/l	96
23) Vinyl Acetate	6.07	43	1633601	272.157	ug/l	99
24) 1,1-Dichloroethane	6.02	63	265733	51.586	ug/l	98
25) 2-Butanone	7.00	43	330825	269.836	ug/l	97
26) 2,2-Dichloropropane	6.99	77	238224	50.604	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	170571	51.286	ug/l	98
28) Bromochloromethane	7.35	49	121776	51.684	ug/l	93
29) Tetrahydrofuran	7.36	42	198688	264.905	ug/l	99
30) Chloroform	7.52	83	268930	51.607	ug/l	94
31) Cyclohexane	7.79	56	270861	50.203	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	236472	50.917	ug/l	99
36) 1,1-Dichloropropene	7.92	75	217356	50.592	ug/l	99
37) Ethyl Acetate	7.09	43	131046	51.377	ug/l	97
38) Carbon Tetrachloride	7.91	117	207259	50.136	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	282966	50.981	ug/l	99
40) Benzene	8.17	78	623436	49.496	ug/l	100
41) Methacrylonitrile	7.35	41	180134	126.594	ug/l #	7
42) 1,2-Dichloroethane	8.25	62	180346	50.483	ug/l	99
43) Isopropyl Acetate	8.28	43	253074	52.817	ug/l	99
44) Trichloroethene	8.94	130	163423	49.209	ug/l	100
45) 1,2-Dichloropropane	9.22	63	160555	51.792	ug/l	96
46) Dibromomethane	9.31	93	86351	50.649	ug/l	98
47) Bromodichloromethane	9.50	83	209351	51.751	ug/l	99
48) Methyl methacrylate	9.30	41	111618	53.316	ug/l	95
49) 1,4-Dioxane	9.30	88	22474	979.464	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	676724	265.641	ug/l	98
52) Toluene	10.25	92	406343	51.027	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	227480	52.628	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	261691	52.848	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	127810	51.831	ug/l	97
56) Ethyl methacrylate	10.51	69	191740	54.861	ug/l	98
57) 1,3-Dichloropropane	10.79	76	222035	51.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	390926	247.412	ug/l	98
59) 2-Hexanone	10.83	43	514058	276.955	ug/l	99
60) Dibromochloromethane	10.99	129	144385	51.119	ug/l	98
61) 1,2-Dibromoethane	11.09	107	121791	51.368	ug/l	97
64) Tetrachloroethene	10.72	164	159372	47.153	ug/l	97
65) Chlorobenzene	11.52	112	421053	50.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	150219	52.265	ug/l	98
67) Ethyl Benzene	11.59	91	784933	51.463	ug/l	99
68) m/p-Xylenes	11.70	106	595645	100.900	ug/l	97
69) o-Xylene	12.03	106	283990	51.187	ug/l	97
70) Styrene	12.05	104	491771	51.764	ug/l	99
71) Bromoform	12.20	173	87165	52.727	ug/l	97
73) Isopropylbenzene	12.33	105	761213	50.221	ug/l	99
74) N-amyl acetate	12.14	43	239877	55.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	158538	52.826	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	213342	91.361	ug/l #	100
77) Bromobenzene	12.61	156	168619	49.057	ug/l	96
78) n-propylbenzene	12.67	91	931024	50.908	ug/l	100
79) 2-Chlorotoluene	12.75	91	516979	50.919	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	648274	51.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	56373	54.127	ug/l	96
82) 4-Chlorotoluene	12.85	91	539066	51.221	ug/l	99
83) tert-Butylbenzene	13.08	119	549276	50.960	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	646098	51.404	ug/l	99
85) sec-Butylbenzene	13.25	105	796915	51.894	ug/l	100
86) p-Isopropyltoluene	13.37	119	698597	51.043	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	332132	49.333	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	336034	49.949	ug/l	100
89) n-Butylbenzene	13.70	91	693245	51.355	ug/l	99
90) Hexachloroethane	13.96	117	129274	51.092	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	307165	50.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26616	50.111	ug/l	98

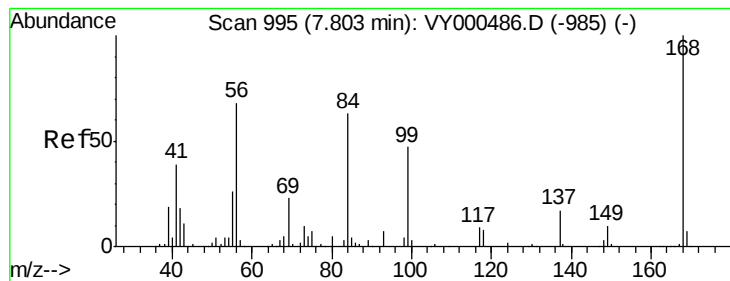
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	207793	49.960	ug/l	99
94) Hexachlorobutadiene	15.11	225	106555	49.700	ug/l	99
95) Naphthalene	15.23	128	484541	52.478	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	185387	49.682	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

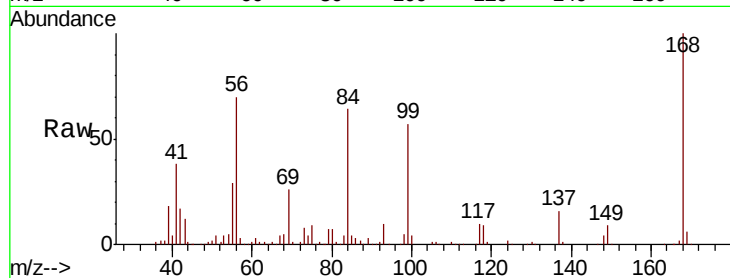
ICVVY103019

Tot Ion:168 Resp: 269340

Ion Ratio Lower Upper

168 100

99 56.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000489.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000489.D (-985) (-)

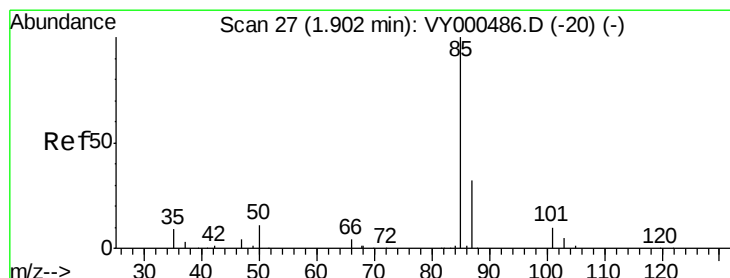
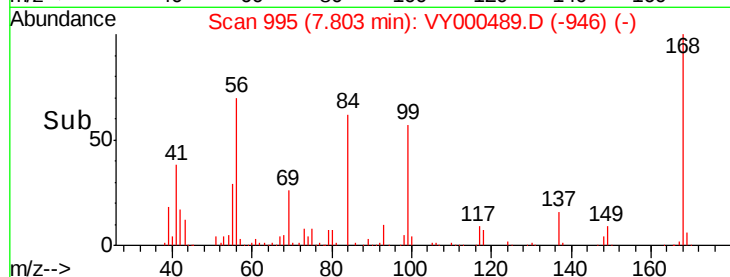
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.864 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000489.D

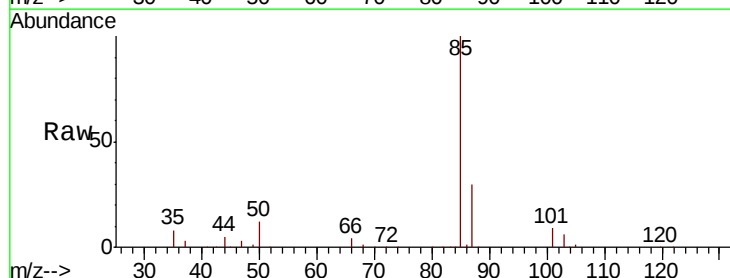
Acq: 30 Oct 2019 13:06

Tgt Ion: 85 Resp: 140162

Ion Ratio Lower Upper

85 100

87 30.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY000489.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000489.D (-1) (-)

1.90

100000

80000

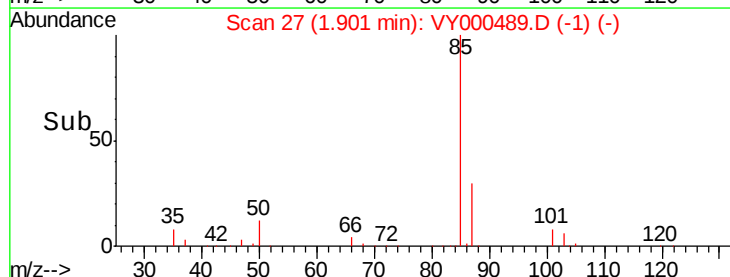
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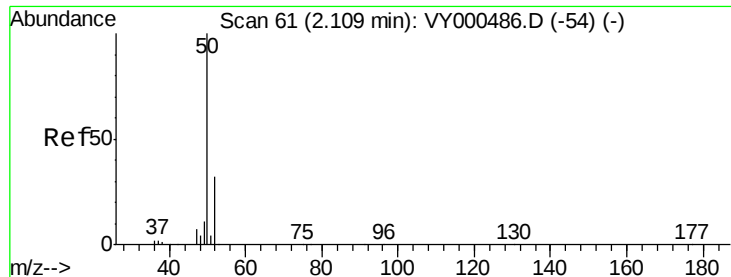
40000

20000

0

Time-->





#3

Chloromethane

Concen: 52.754 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

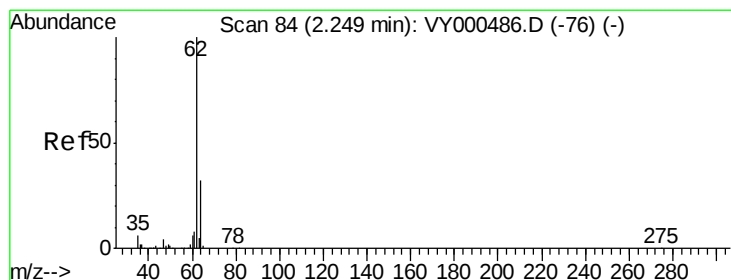
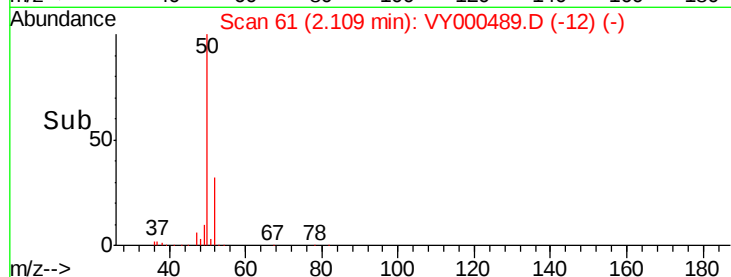
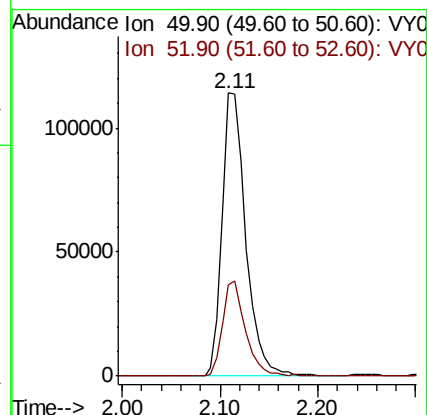
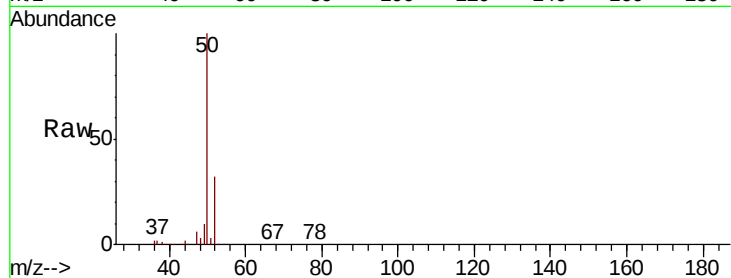
ICVVY103019

Tot Ion: 50 Resp: 192680

Ion Ratio Lower Upper

50 100

52 32.2 25.2 37.8



#4

Vinyl Chloride

Concen: 52.897 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000489.D

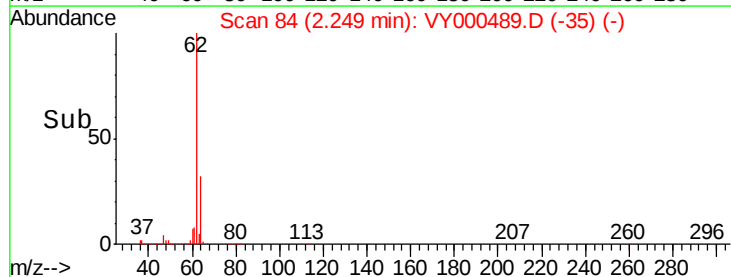
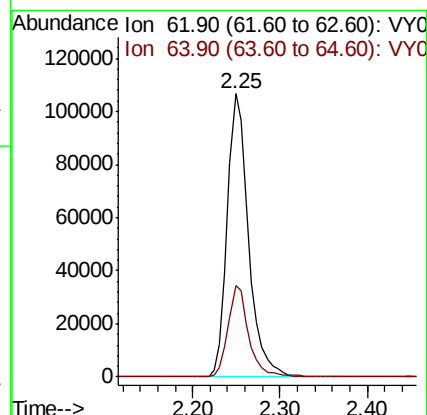
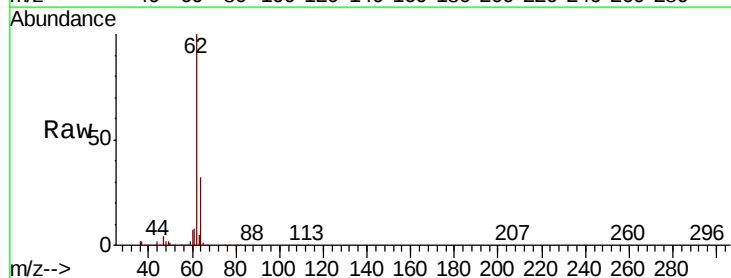
Acq: 30 Oct 2019 13:06

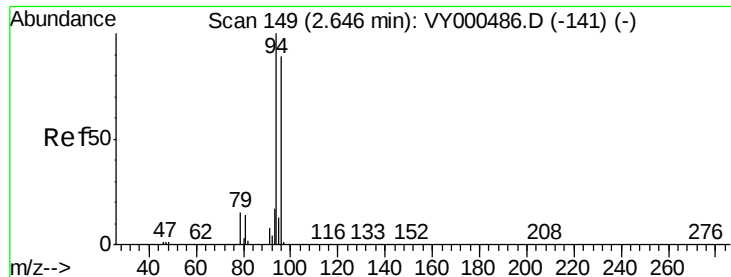
Tgt Ion: 62 Resp: 179411

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 49.996 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

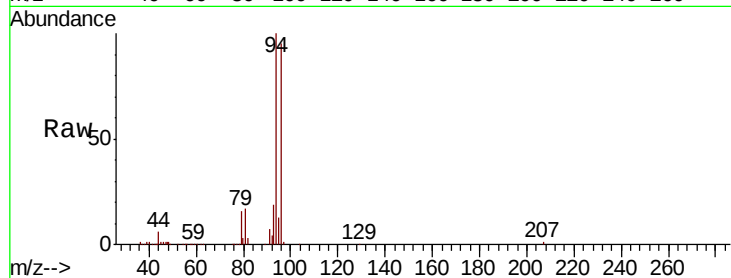
ICVVY103019

Tot Ion: 94 Resp: 101686

Ion Ratio Lower Upper

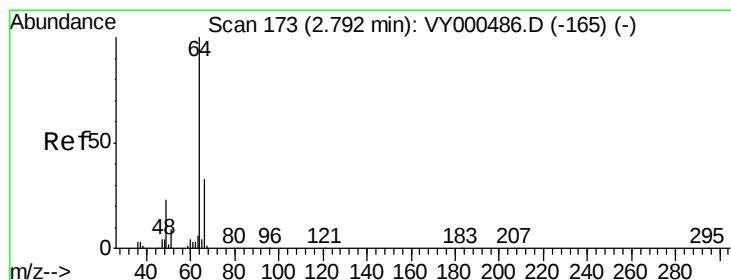
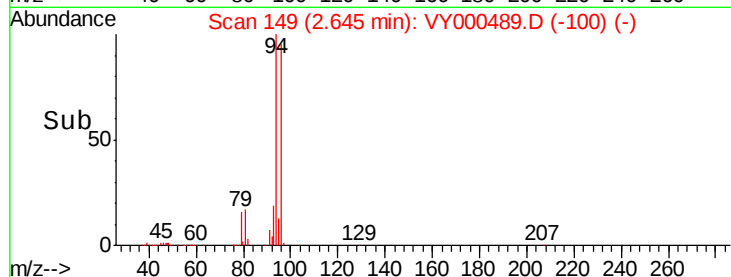
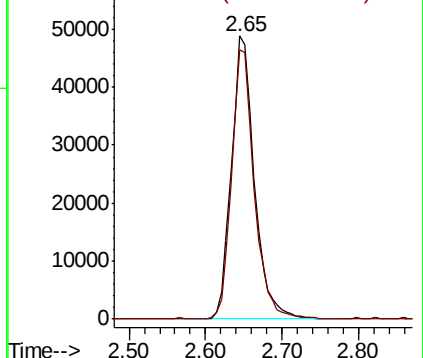
94 100

96 95.0 71.2 106.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 52.191 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000489.D

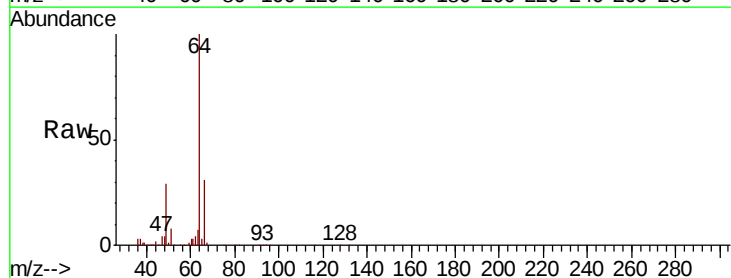
Acq: 30 Oct 2019 13:06

Tgt Ion: 64 Resp: 110789

Ion Ratio Lower Upper

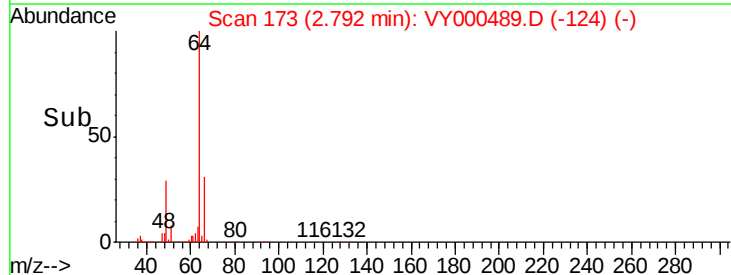
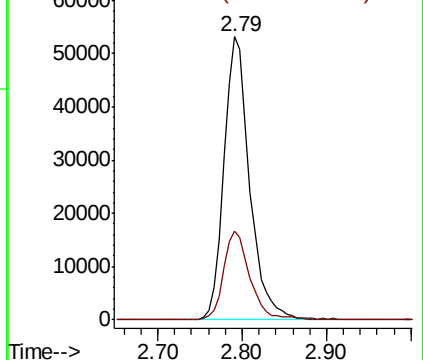
64 100

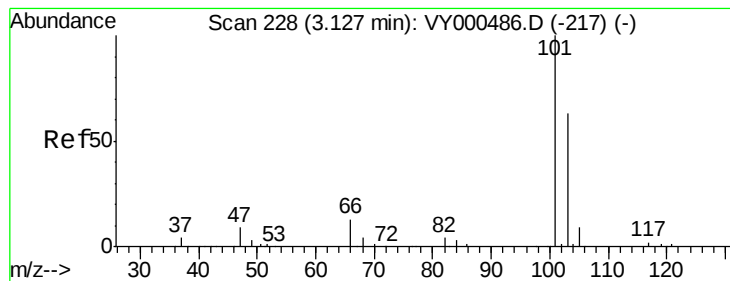
66 31.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



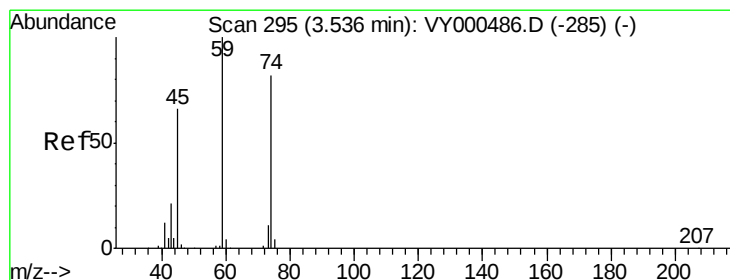
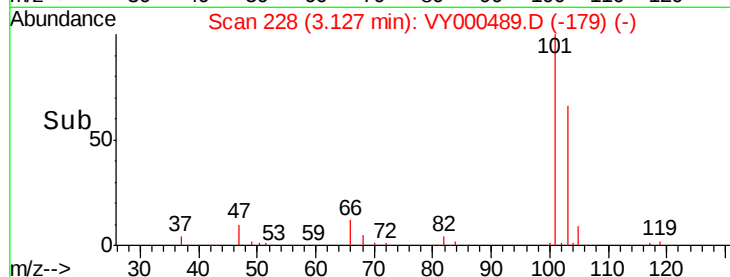
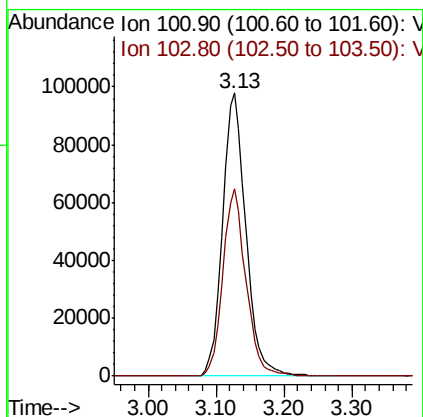
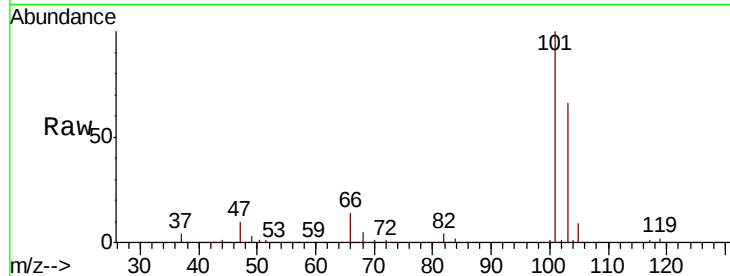


#7

Trichlorofluoromethane
 Concen: 50.812 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

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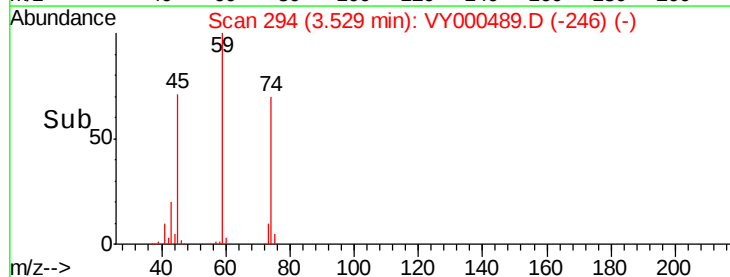
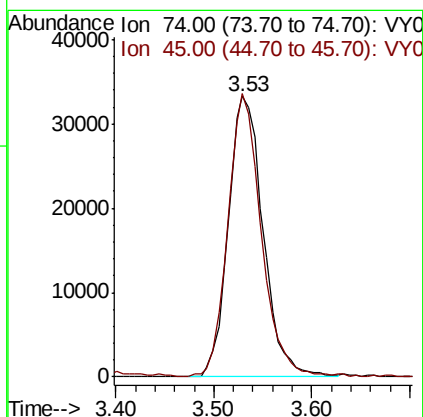
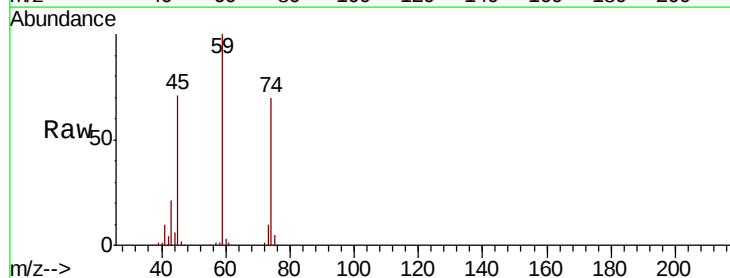
Tot Ion:101 Resp: 232740
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.5 75.7

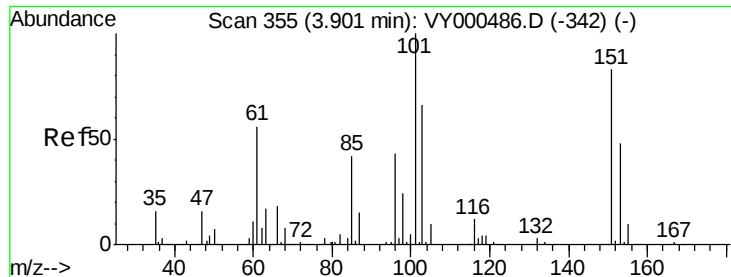


#8

Diethyl Ether
 Concen: 50.421 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion: 74 Resp: 82062
 Ion Ratio Lower Upper
 74 100
 45 95.7 45.5 136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.607 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY103019

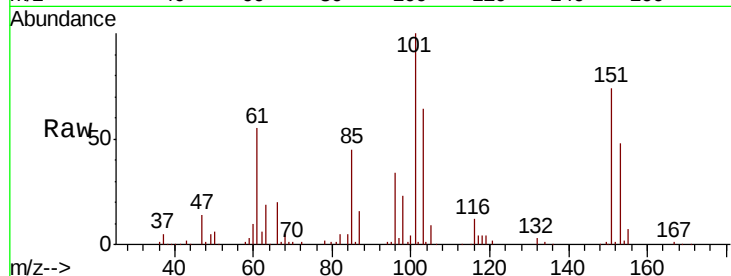
Tot Ion:101 Resp: 137372

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

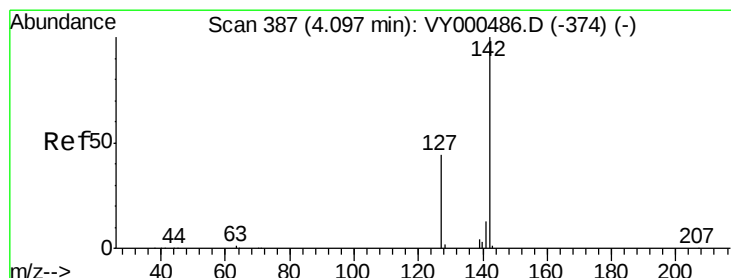
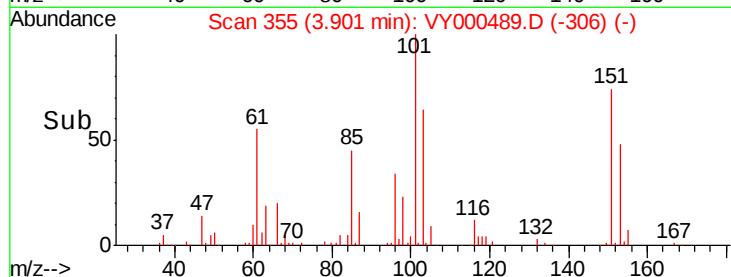
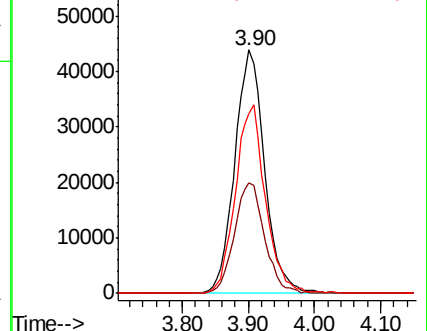
151 77.5 64.3 96.5



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: 50.088 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

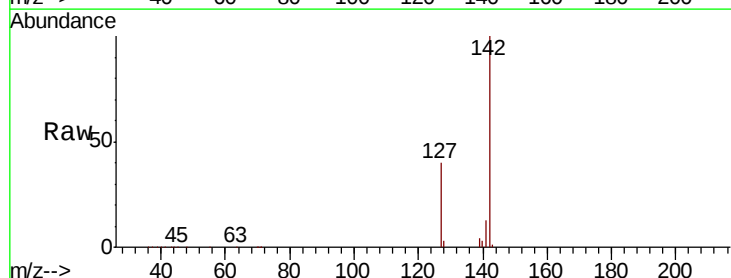
Tgt Ion:142 Resp: 182593

Ion Ratio Lower Upper

142 100

127 44.1 33.7 50.5

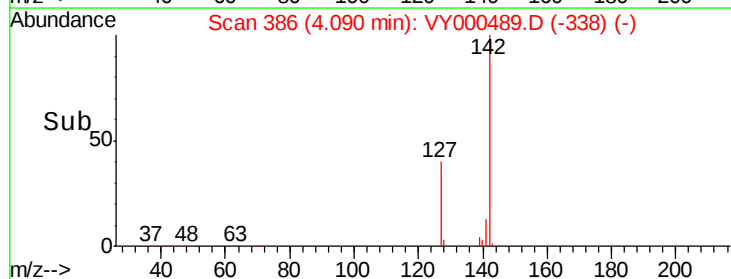
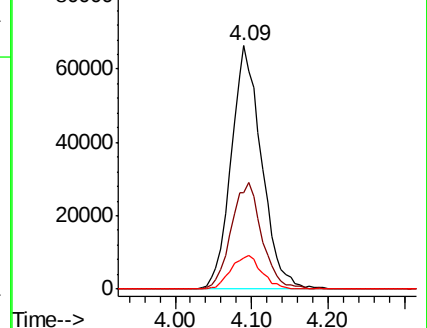
141 13.9 10.9 16.3

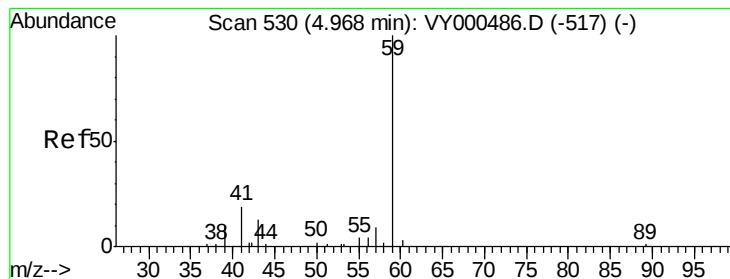


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



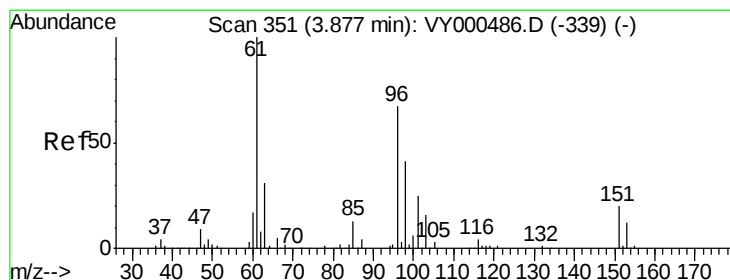
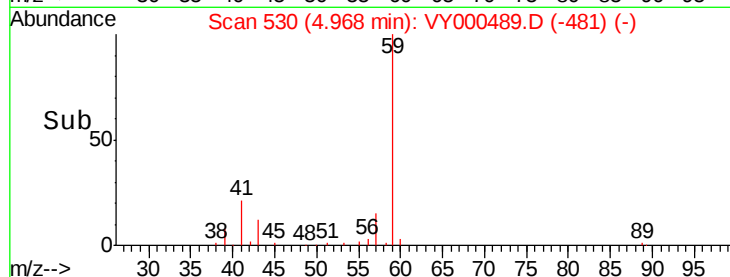
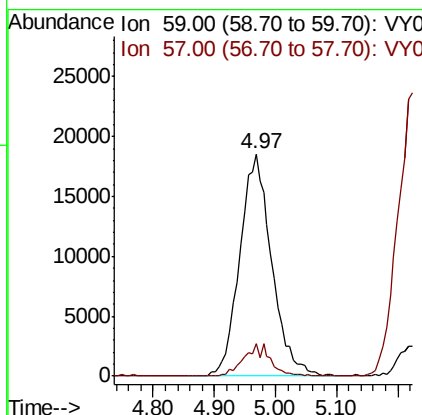
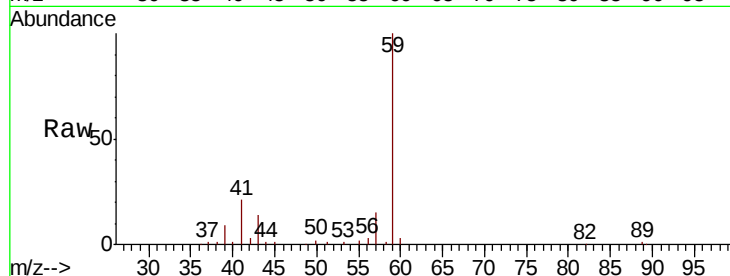


#11

Tert butyl alcohol
 Concen: 246.915 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

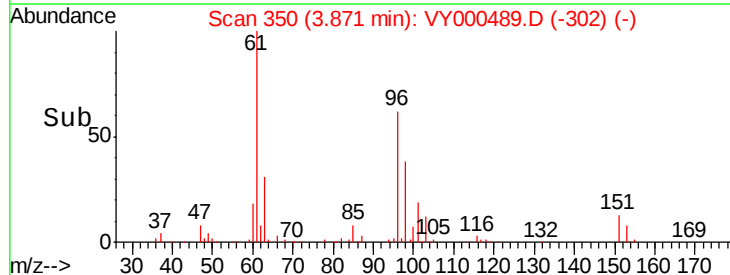
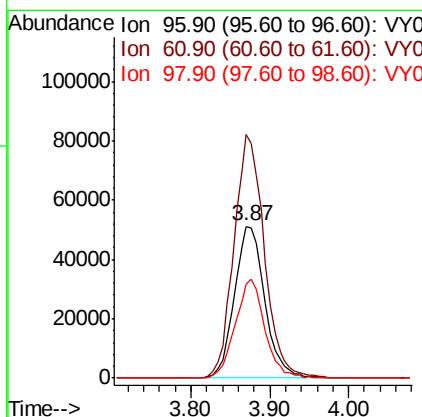
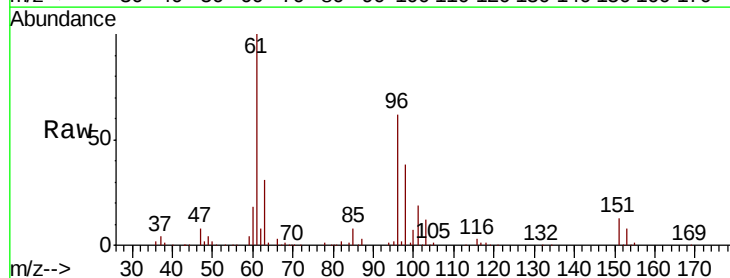
Tot Ion: 59 Resp: 66995
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.6 12.8



#12

1,1-Dichloroethene
 Concen: 50.949 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion: 96 Resp: 137074
 Ion Ratio Lower Upper
 96 100
 61 160.7 119.2 178.8
 98 61.6 48.6 73.0





#13

Acrolein

Concen: 265.988 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

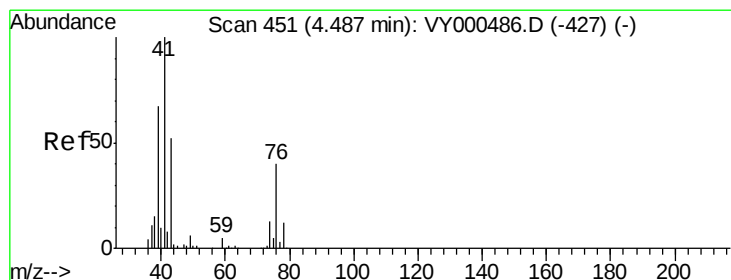
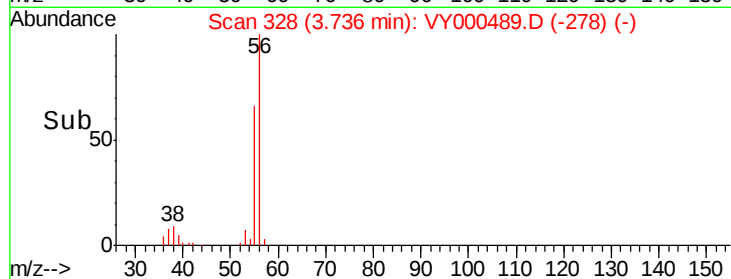
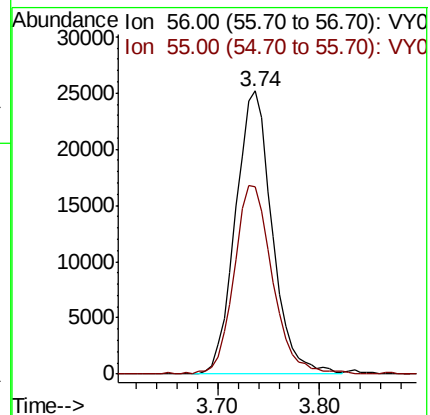
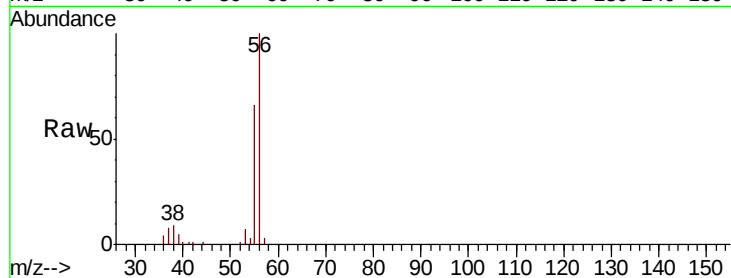
ICVVY103019

Tot Ion: 56 Resp: 62864

Ion Ratio Lower Upper

56 100

55 69.3 57.0 85.6



#14

Allyl chloride

Concen: 54.916 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

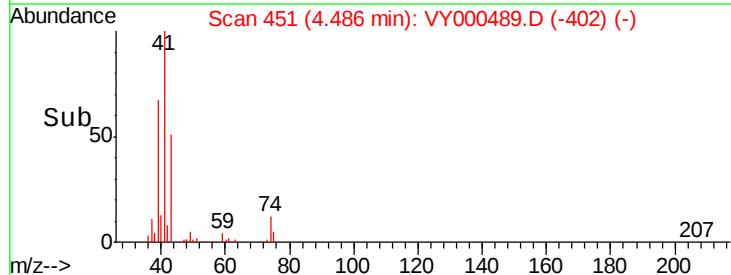
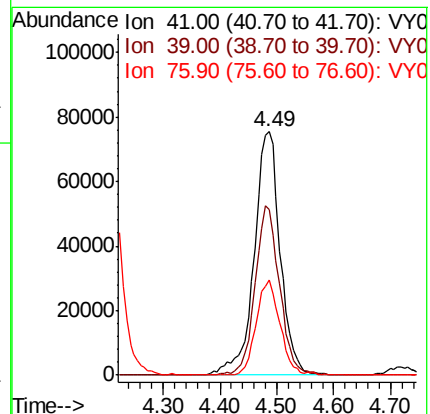
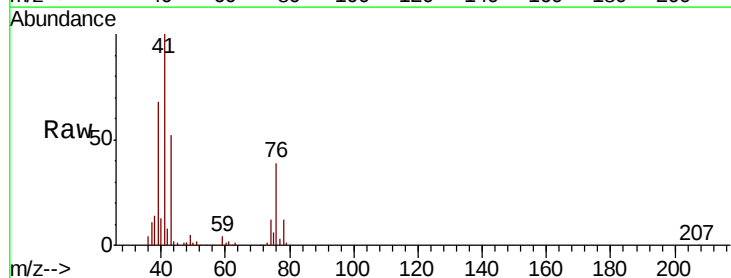
Tgt Ion: 41 Resp: 240244

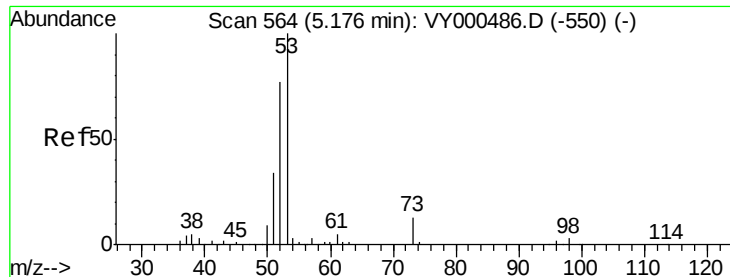
Ion Ratio Lower Upper

41 100

39 65.1 53.6 80.4

76 35.3 29.8 44.6





#15

Acrylonitrile

Concen: 269.123 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY103019

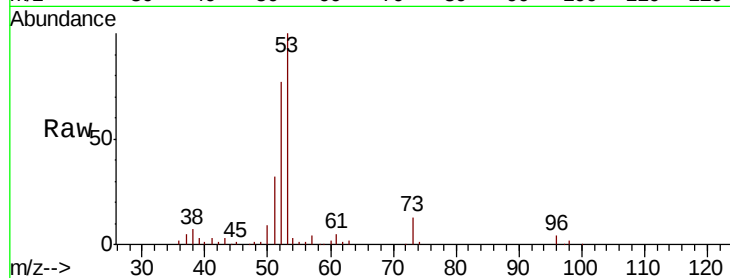
Tot Ion: 53 Resp: 224378

Ion Ratio Lower Upper

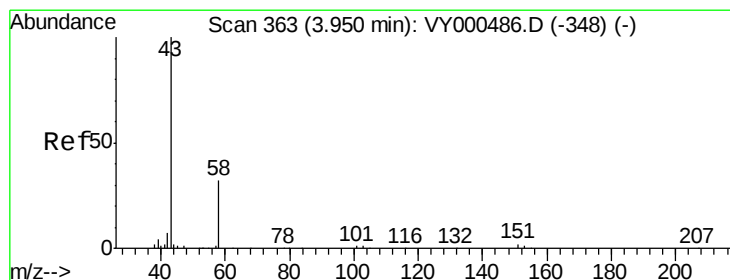
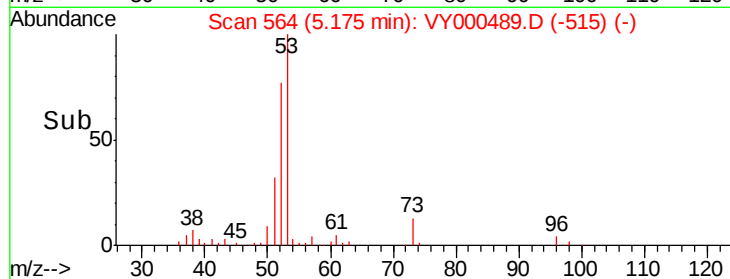
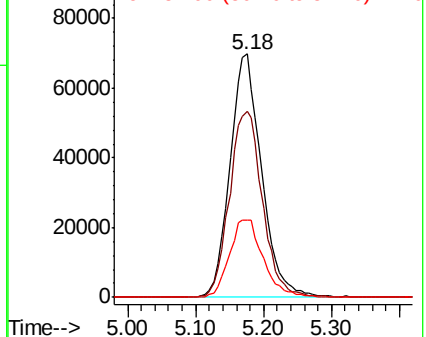
53 100

52 80.0 64.9 97.3

51 34.4 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: 285.186 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000489.D

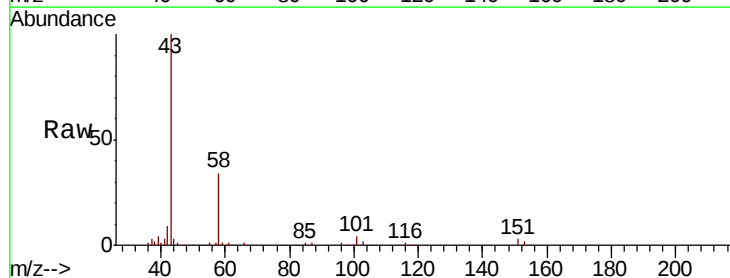
Acq: 30 Oct 2019 13:06

Tgt Ion: 43 Resp: 219085

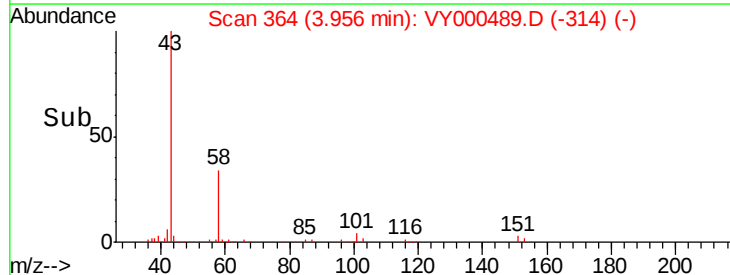
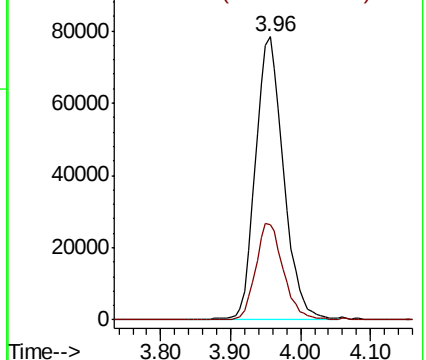
Ion Ratio Lower Upper

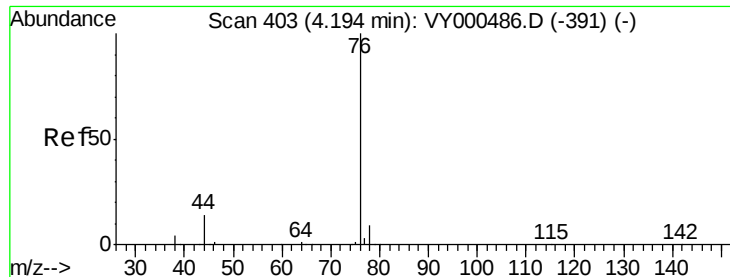
43 100

58 33.7 25.8 38.6



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

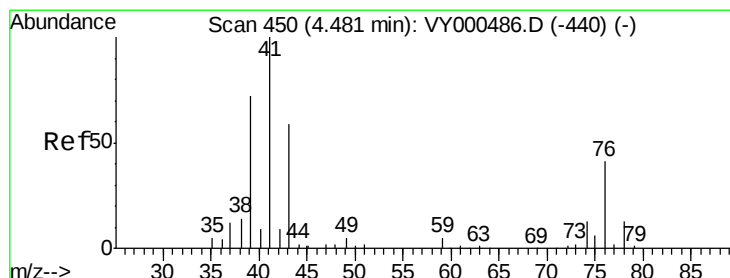
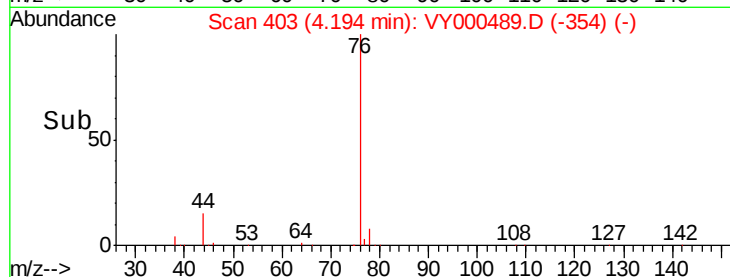
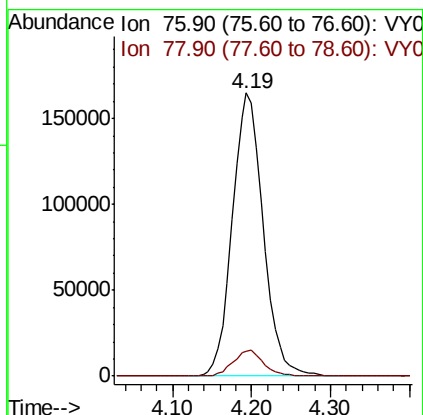
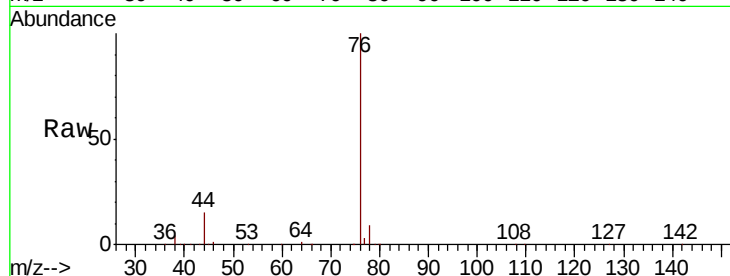




#17
Carbon Disulfide
Concen: 52.786 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

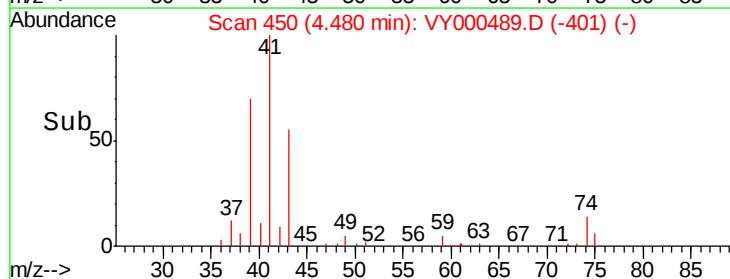
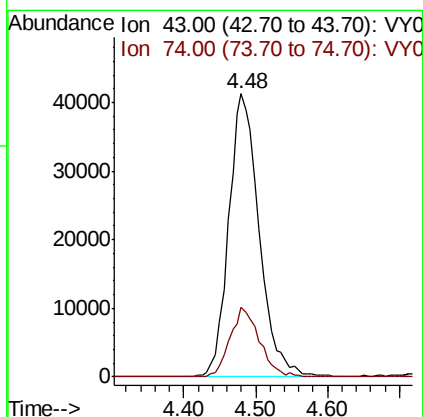
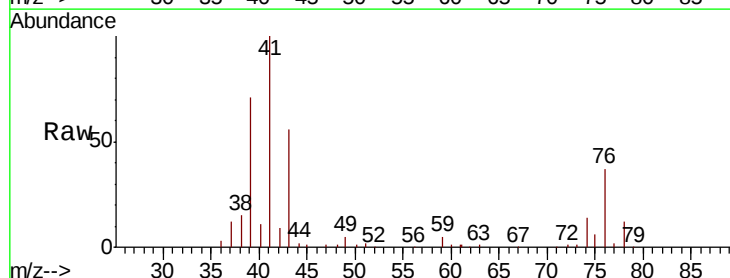
Instrument :
MSVOA_Y
ClientSampleId :
ICVY103019

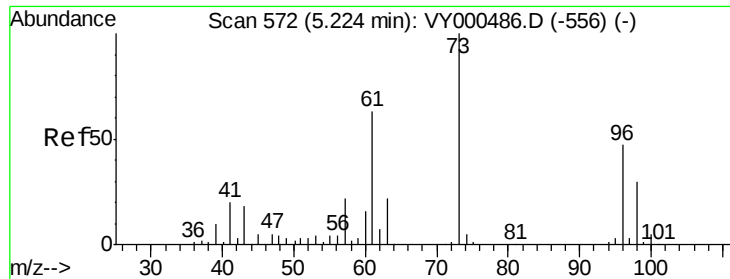
Tot Ion: 76 Resp: 447924
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 50.694 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion: 43 Resp: 121090
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8

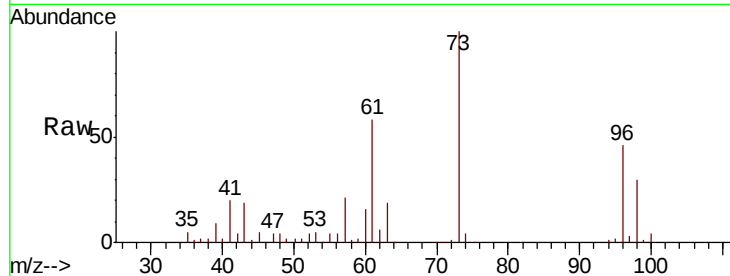




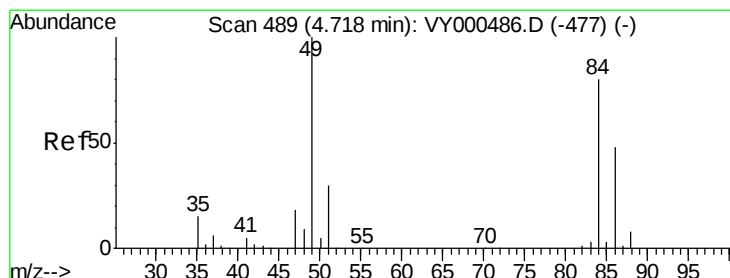
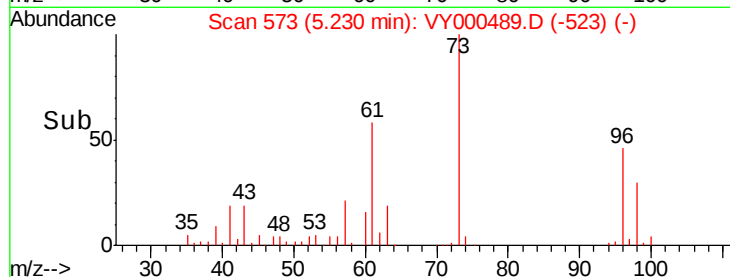
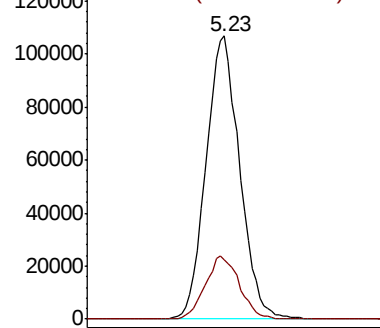
#19
Methvl tert-butvl Ether
Concen: 51.610 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103019

Tot Ion: 73 Resp: 386059
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0

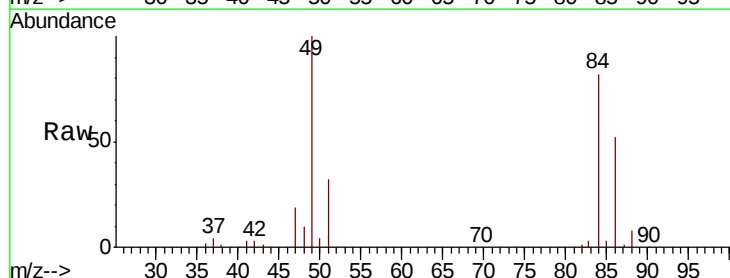


Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

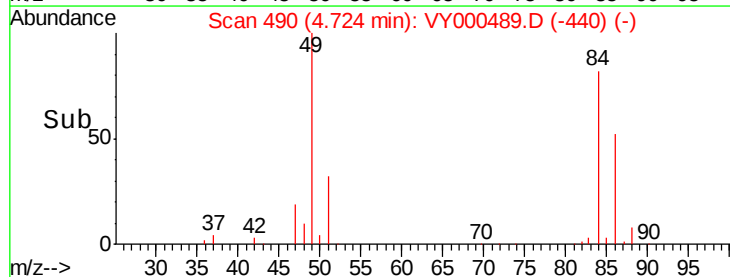
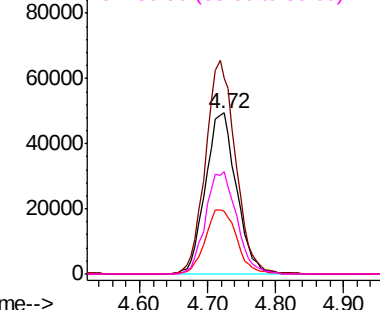


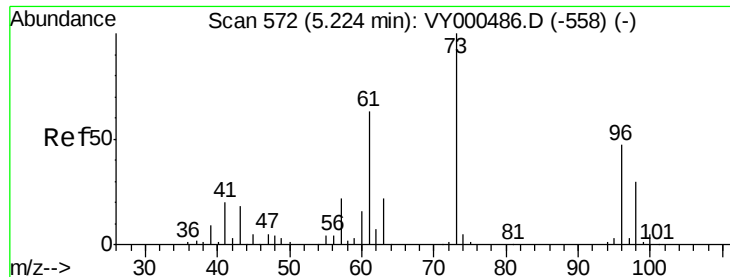
#20
Methylene Chloride
Concen: 47.525 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion: 84 Resp: 156440
Ion Ratio Lower Upper
84 100
49 121.8 100.2 150.4
51 39.3 29.6 44.4
86 63.7 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: 51.327 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY103019

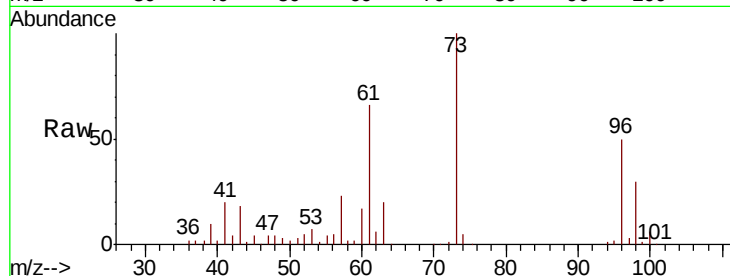
Tot Ion: 96 Resp: 156115

Ion Ratio Lower Upper

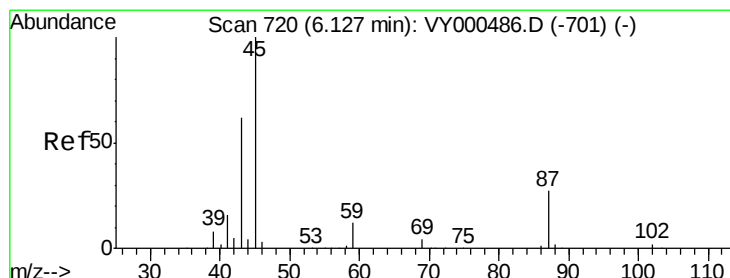
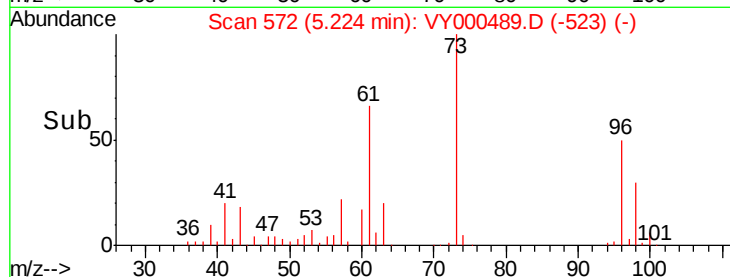
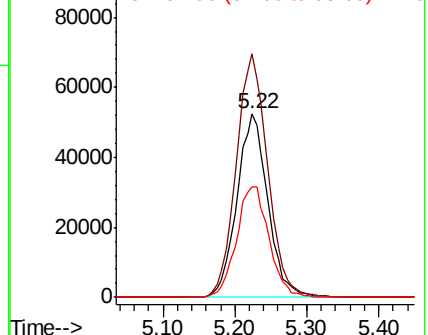
96 100

61 132.3 106.6 160.0

98 59.9 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: 54.072 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Tgt Ion: 45 Resp: 514156

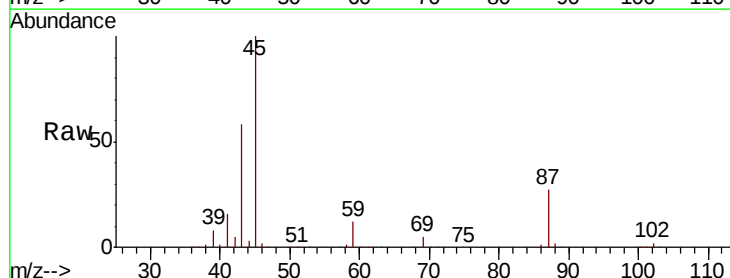
Ion Ratio Lower Upper

45 100

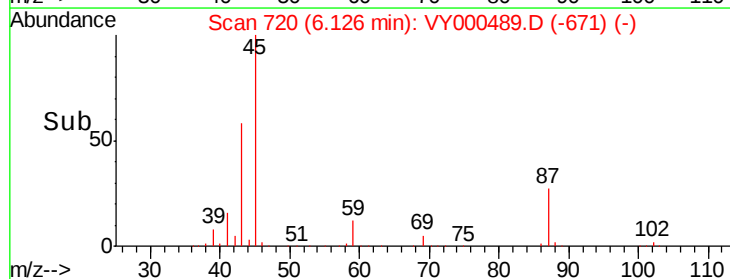
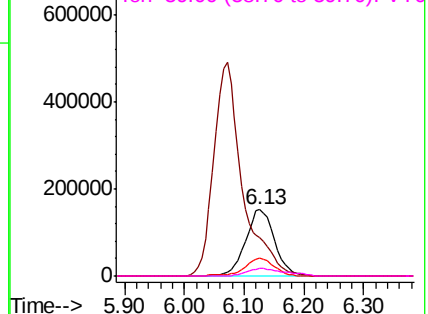
43 58.2 50.0 75.0

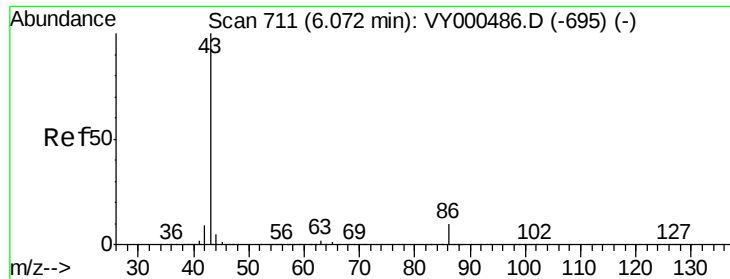
87 27.1 21.6 32.4

59 12.1 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: 272.157 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

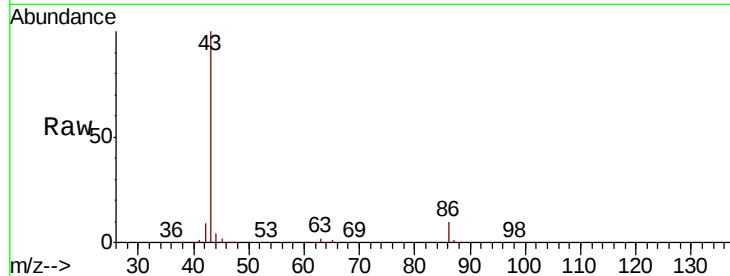
ICVY103019

Tot Ion: 43 Resp: 1633601

Ion Ratio Lower Upper

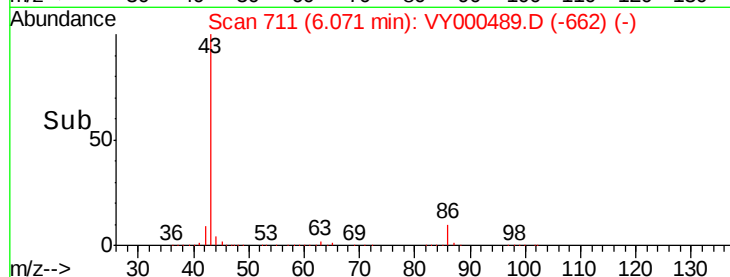
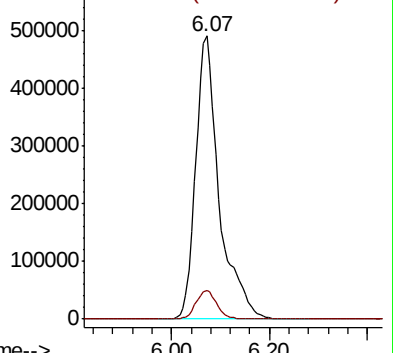
43 100

86 9.9 7.8 11.6

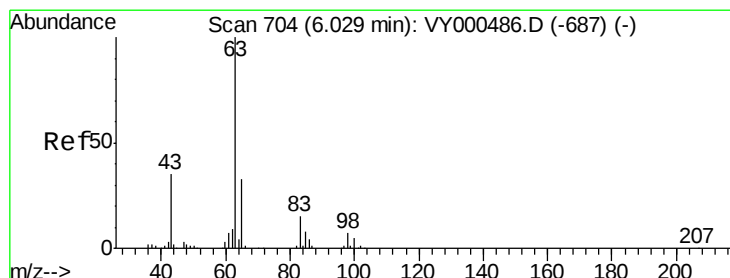


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 51.586 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

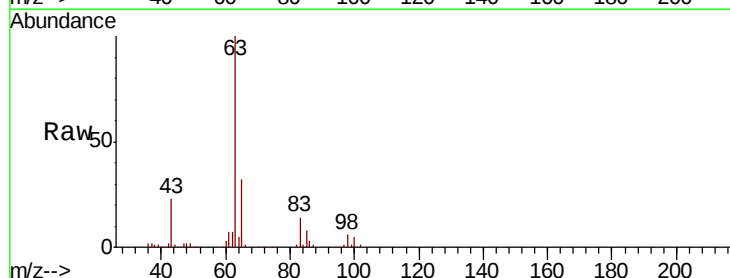
Tgt Ion: 63 Resp: 265733

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.6

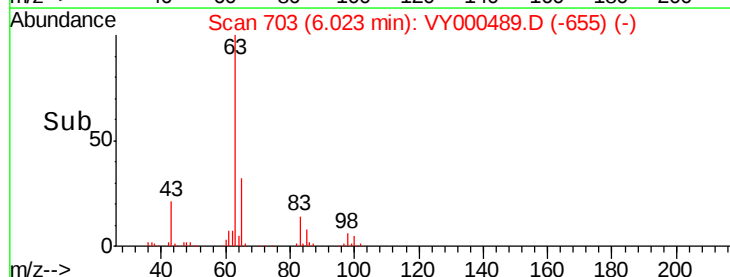
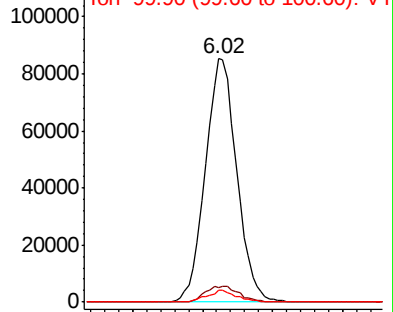
100 4.7 2.4 7.1



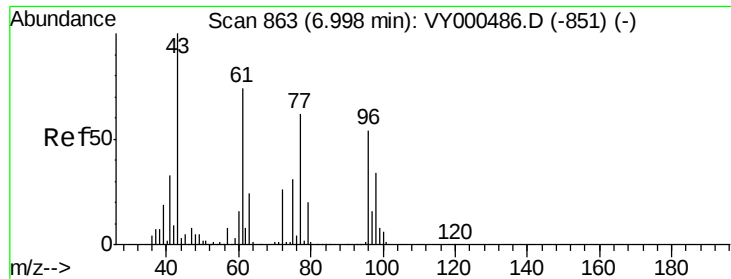
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->



#25

2-Butanone

Concen: 269.836 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

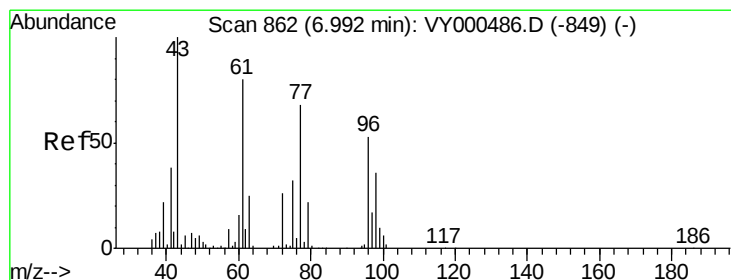
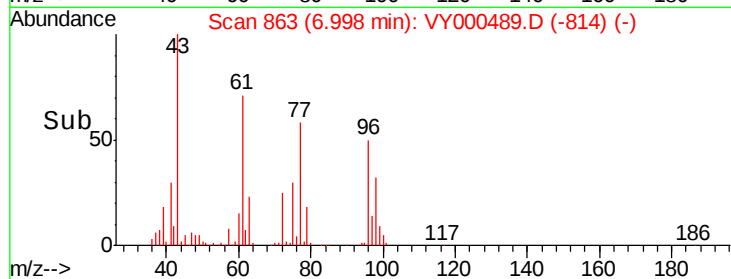
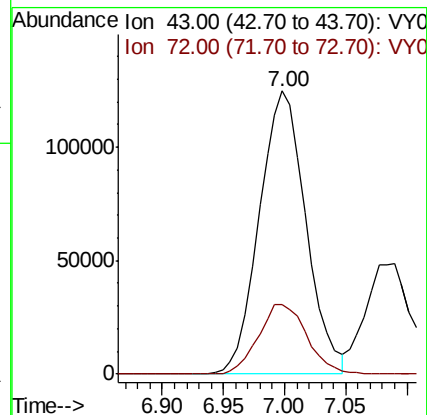
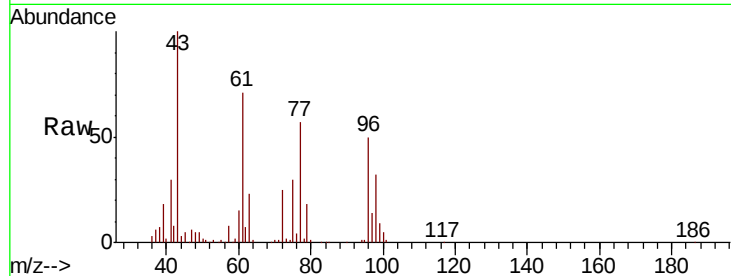
ICVVY103019

Tot Ion: 43 Resp: 330825

Ion Ratio Lower Upper

43 100

72 24.8 20.9 31.3



#26

2,2-Dichloropropane

Concen: 50.604 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000489.D

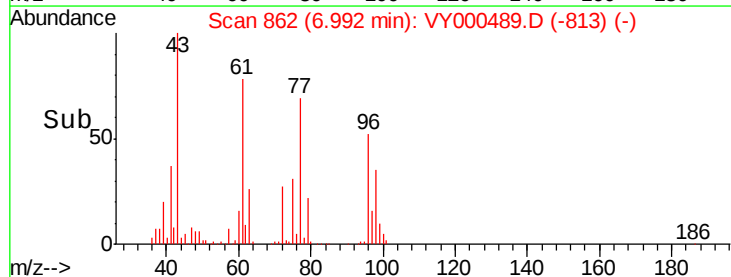
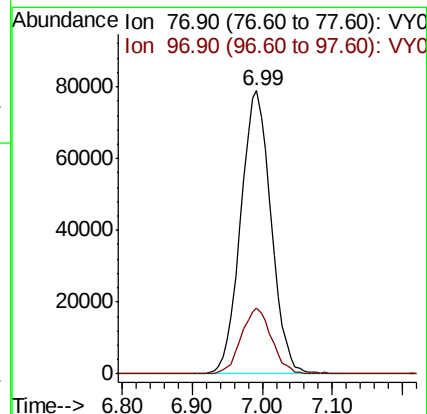
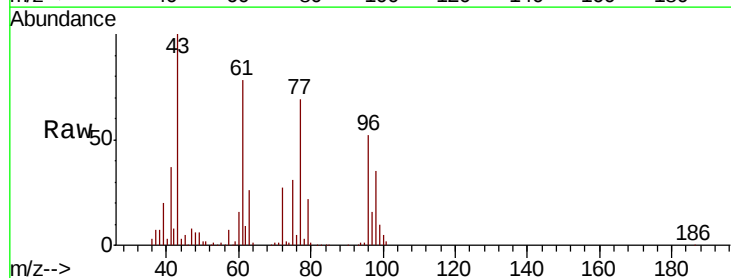
Acq: 30 Oct 2019 13:06

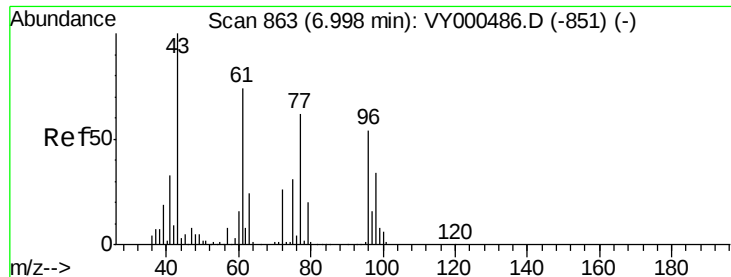
Tgt Ion: 77 Resp: 238224

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4



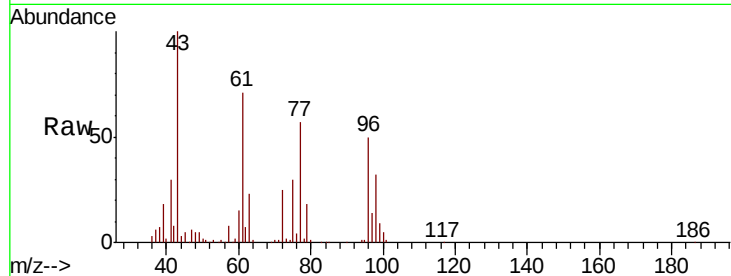


#27

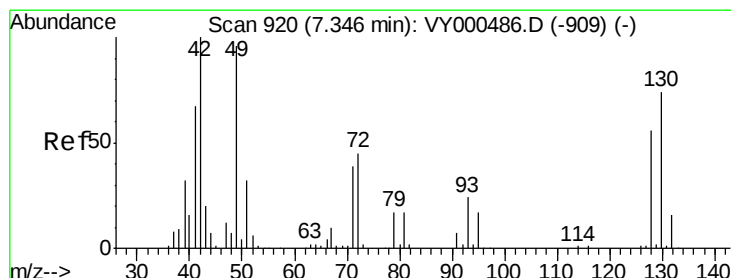
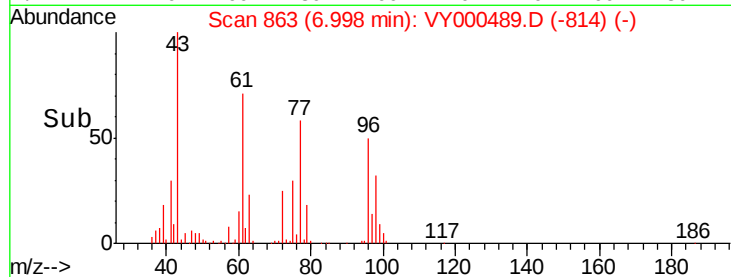
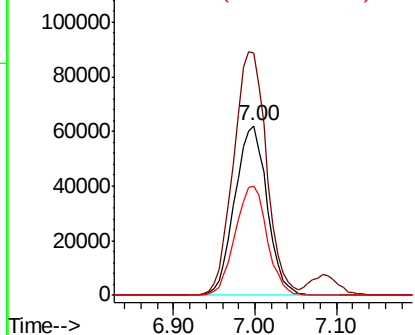
cis-1,2-Dichloroethene
Concen: 51.286 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Instrument :
MSVOA_Y
ClientSampleId :
ICVY103019

Tot Ion: 96 Resp: 170571
Ion Ratio Lower Upper
96 100
61 146.8 0.0 287.0
98 63.7 0.0 129.4



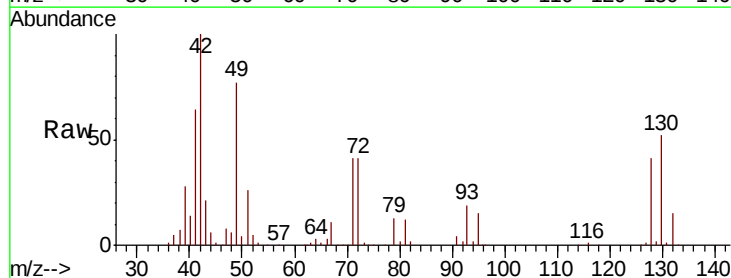
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



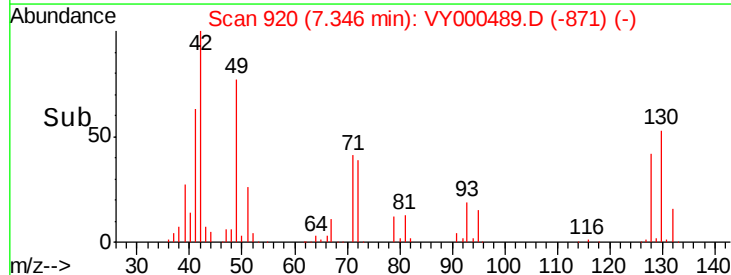
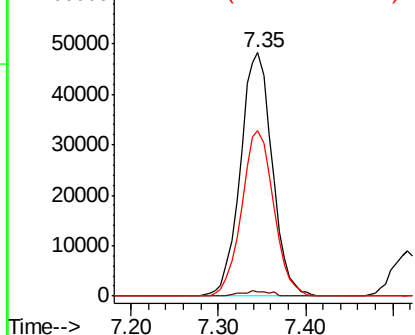
#28

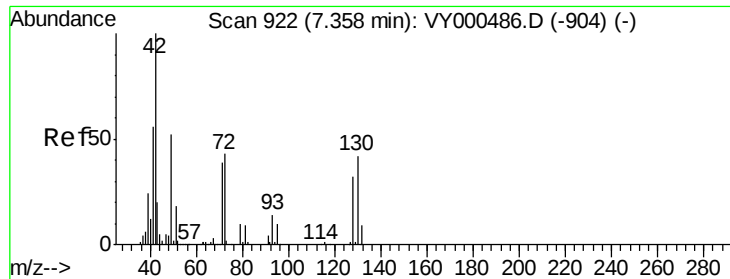
Bromochloromethane
Concen: 51.684 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion: 49 Resp: 121776
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.6
130 68.5 59.4 89.0



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

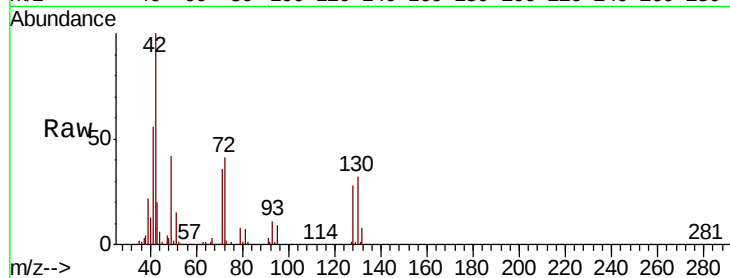




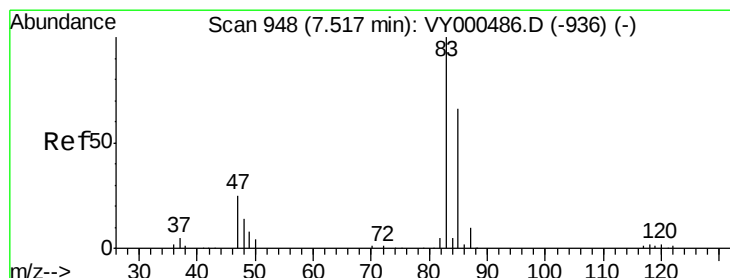
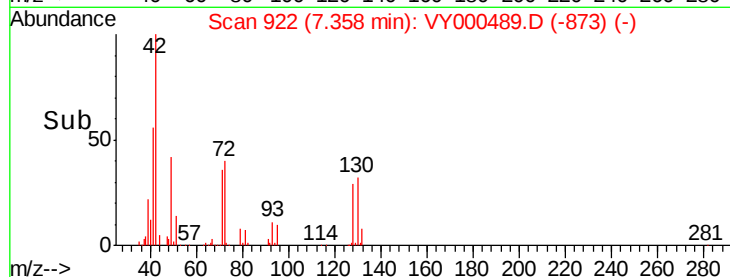
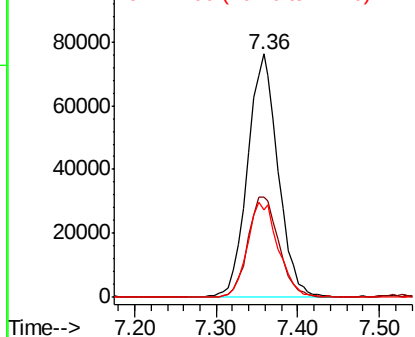
#29
Tetrahydrofuran
Concen: 264.905 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Instrument :
MSVOA_Y
ClientSampleId :
ICVY103019

Tot Ion: 42 Resp: 198688
Ion Ratio Lower Upper
42 100
72 42.2 34.0 51.0
71 39.7 30.8 46.2

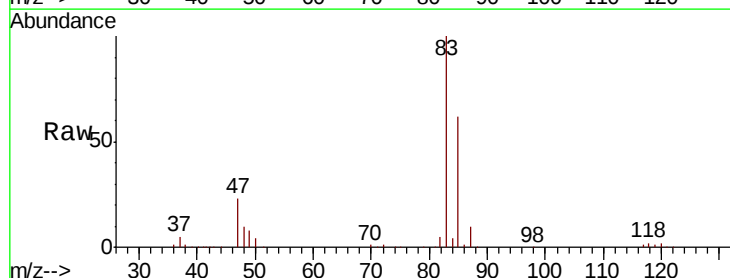


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

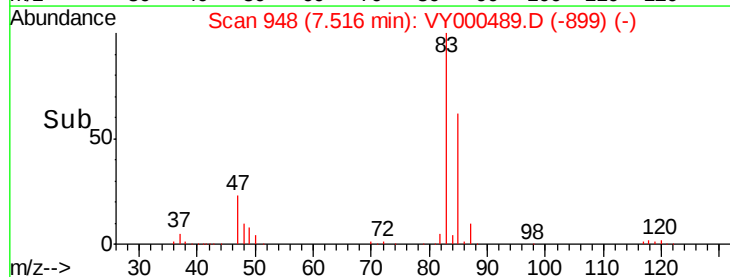
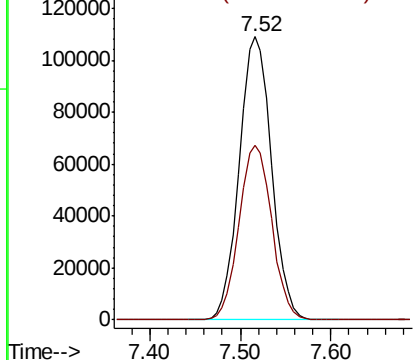


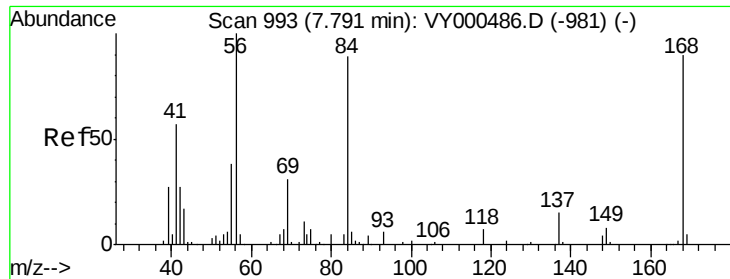
#30
Chloroform
Concen: 51.607 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion: 83 Resp: 268930
Ion Ratio Lower Upper
83 100
85 61.7 53.0 79.4



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

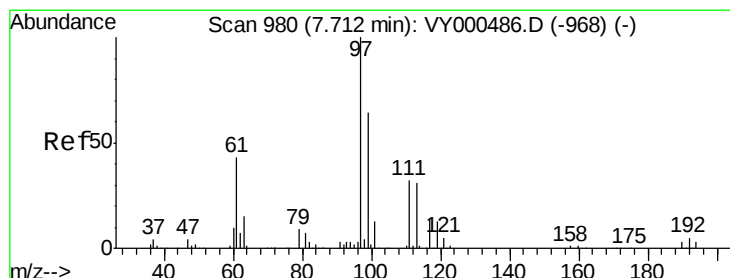
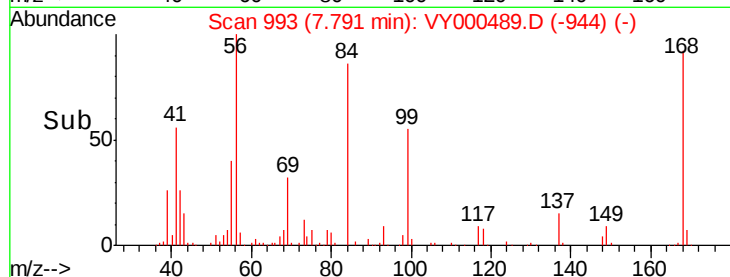
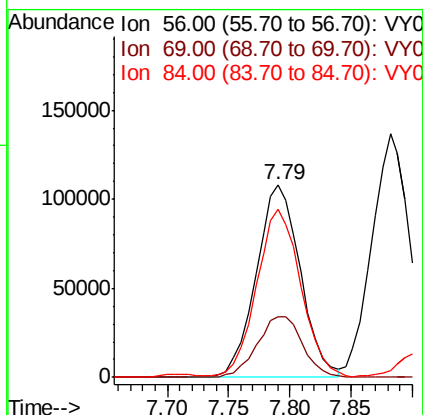
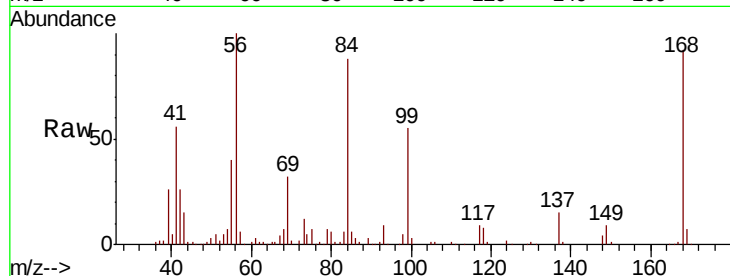




#31
Cyclohexane
Concen: 50.203 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

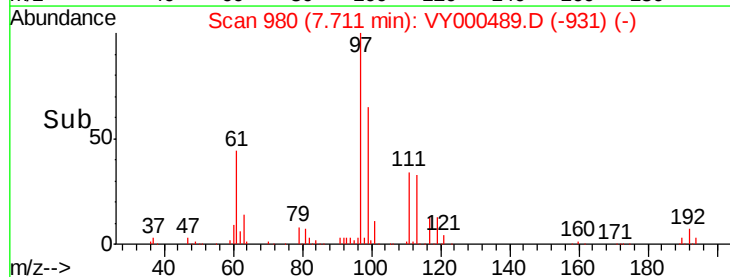
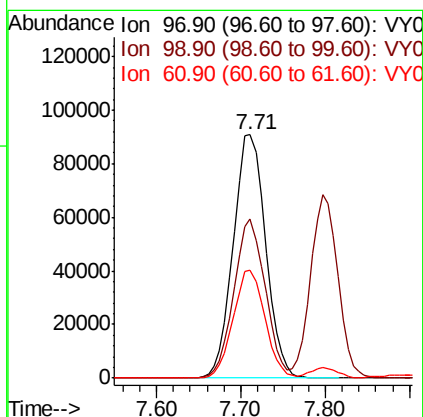
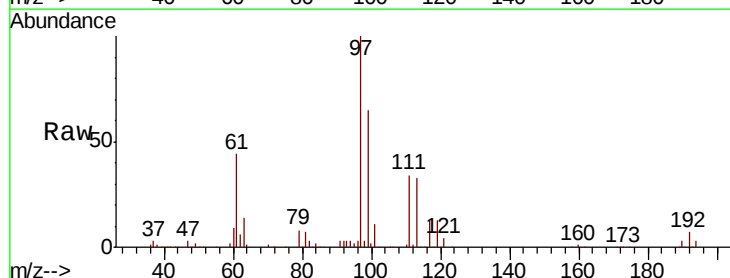
Instrument :
MSVOA_Y
ClientSampleId :
ICVY103019

Tot Ion: 56 Resp: 270861
Ion Ratio Lower Upper
56 100
69 31.5 25.0 37.6
84 86.2 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 50.917 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion: 97 Resp: 236472
Ion Ratio Lower Upper
97 100
99 63.0 50.9 76.3
61 43.5 34.9 52.3

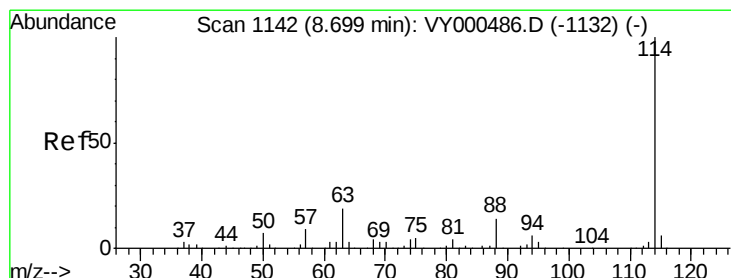
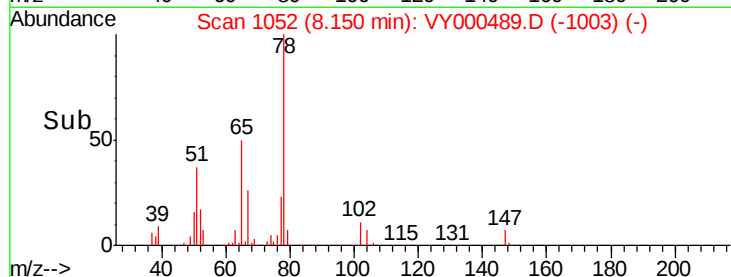
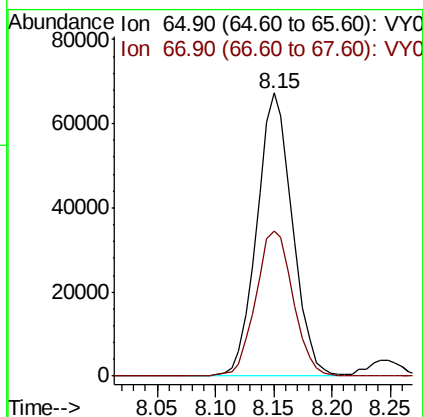
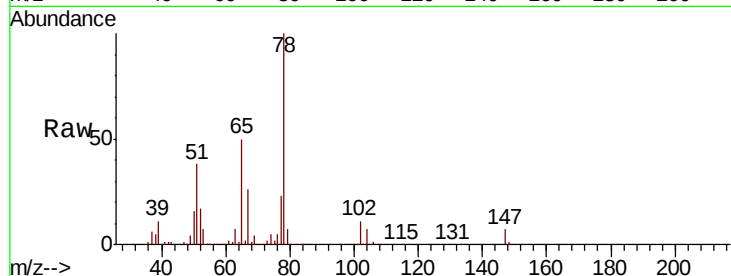




#33
 1,2-Dichloroethane-d4
 Concen: 51.300 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

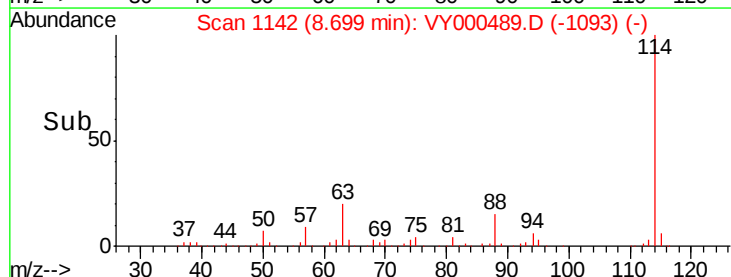
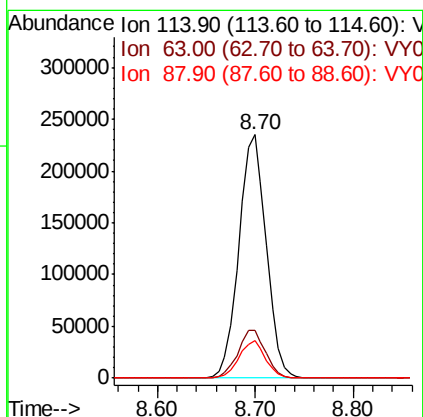
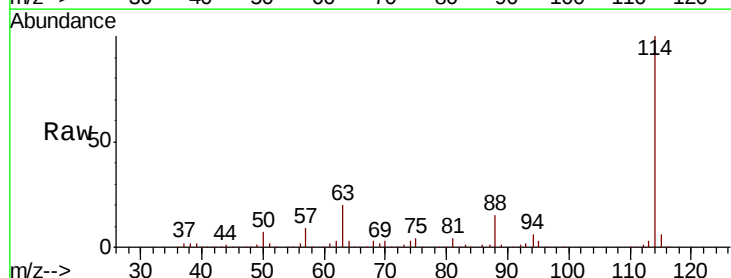
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

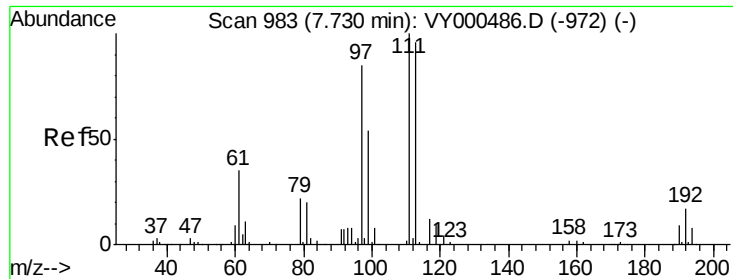
Tot Ion: 65 Resp: 142989
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion: 114 Resp: 454459
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 15.3 0.0 28.6





#35

Dibromofluoromethane

Concen: 47.977 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY103019

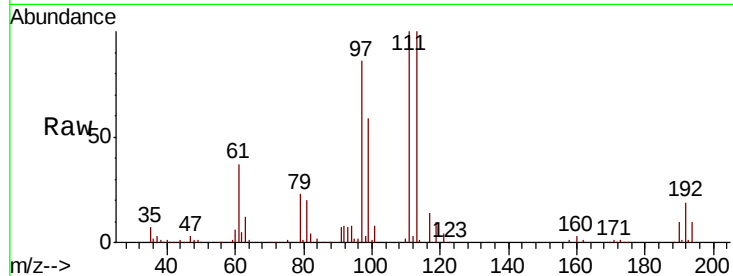
Tot Ion:113 Resp: 128001

Ion Ratio Lower Upper

113 100

111 103.0 81.7 122.5

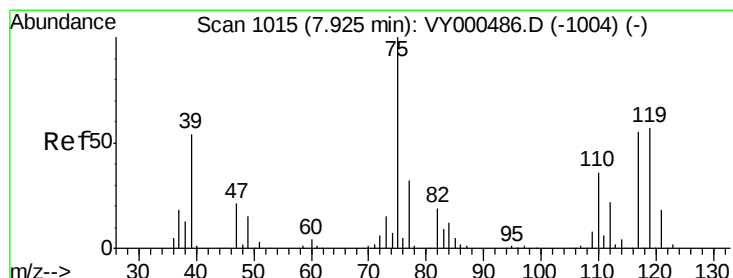
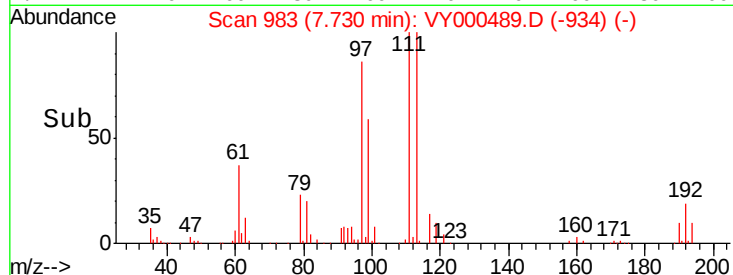
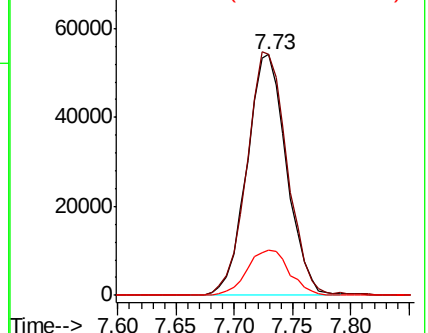
192 20.1 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.592 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

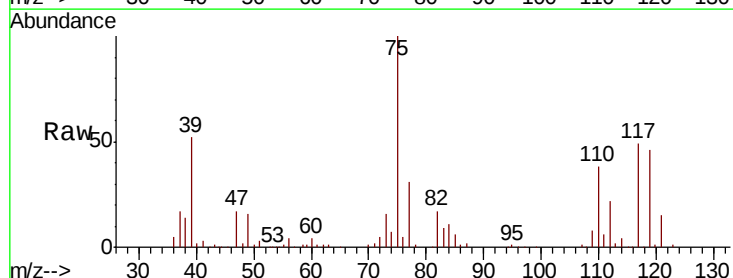
Tgt Ion: 75 Resp: 217356

Ion Ratio Lower Upper

75 100

110 35.7 18.1 54.1

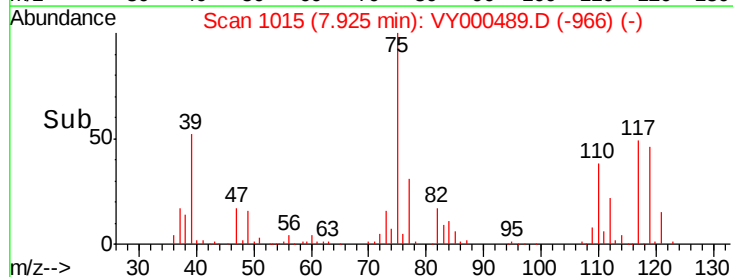
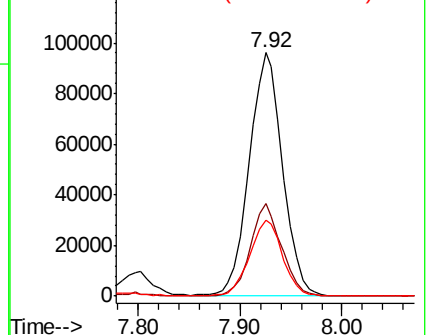
77 31.0 25.0 37.6

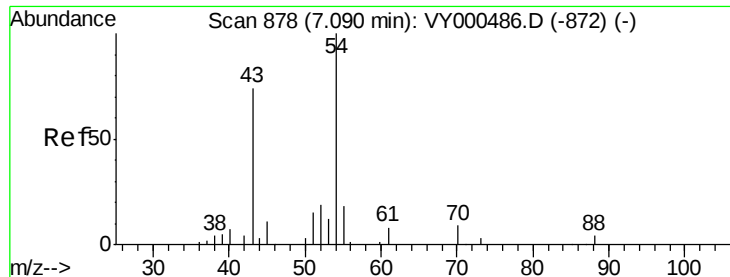


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 51.377 ug/l

RT: 7.09 min Scan# 878

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY0103019

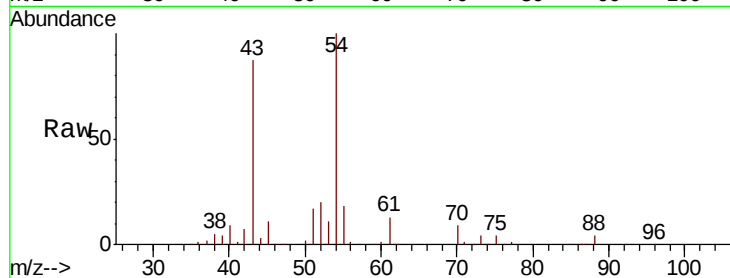
Tot Ion: 43 Resp: 131046

Ion Ratio Lower Upper

43 100

61 14.1 10.2 15.2

70 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-872) (-)

Ion 60.90 (60.60 to 61.60): VY000486.D (-872) (-)

Ion 70.00 (69.70 to 70.70): VY000486.D (-872) (-)

150000

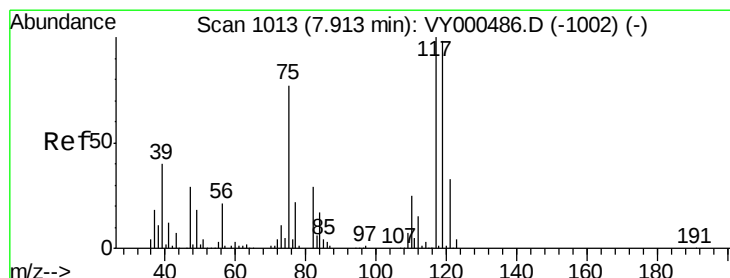
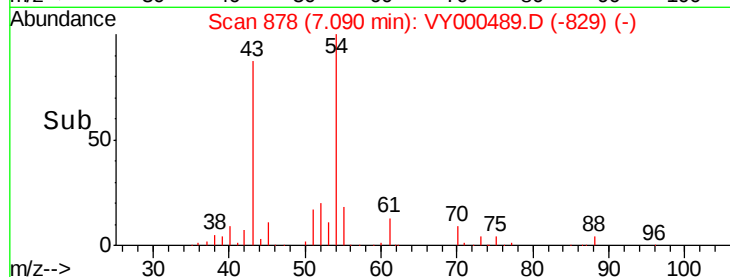
100000

50000

0

7.00 7.10 7.20

Time-->



#38

Carbon Tetrachloride

Concen: 50.136 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

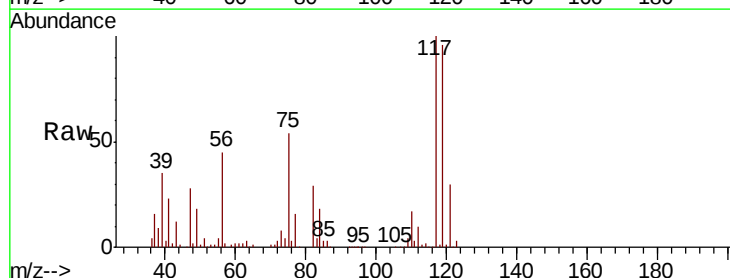
Tgt Ion: 117 Resp: 207259

Ion Ratio Lower Upper

117 100

119 95.7 78.0 117.0

121 30.5 26.6 40.0



Abundance Ion 116.80 (116.50 to 117.50): VY000486.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY000486.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY000486.D (-1002) (-)

100000

80000

60000

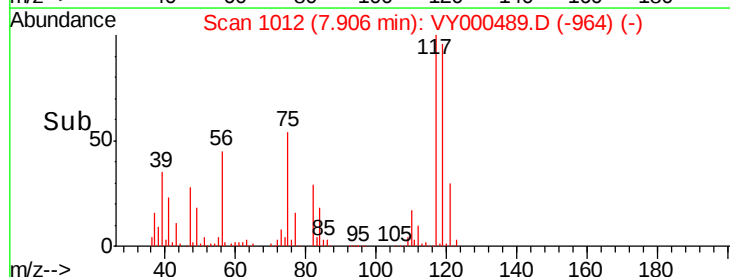
40000

20000

0

7.80 7.90 8.00

Time-->

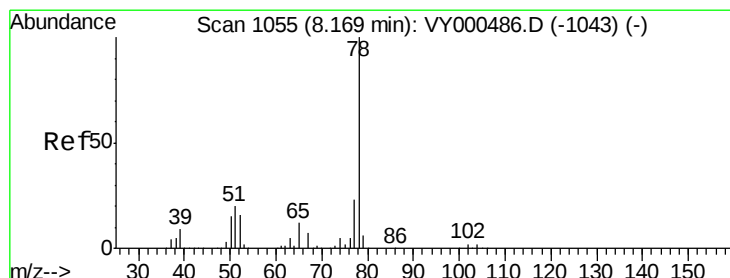
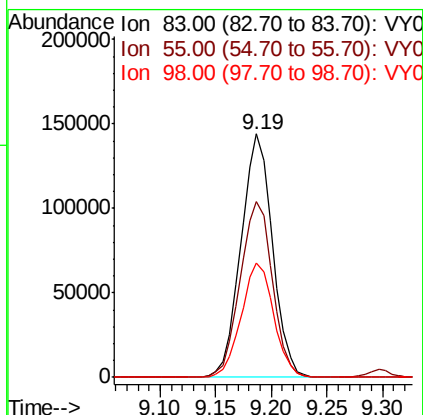
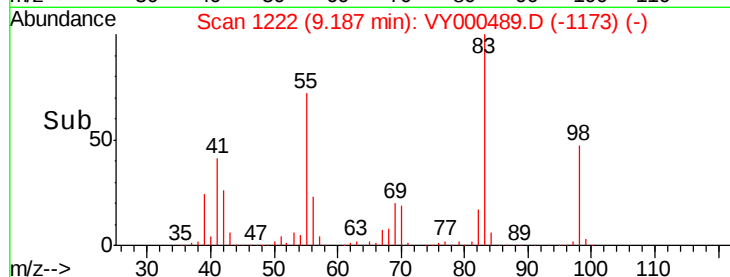
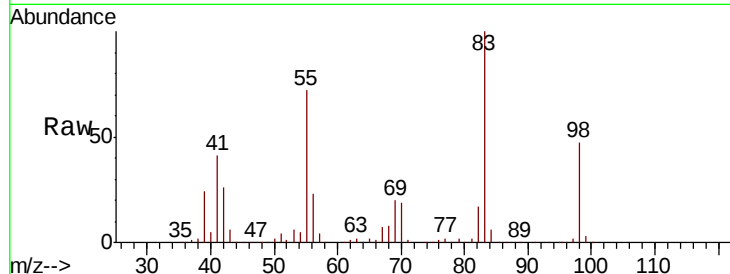




#39
Methvlcvclohexane
Concen: 50.981 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

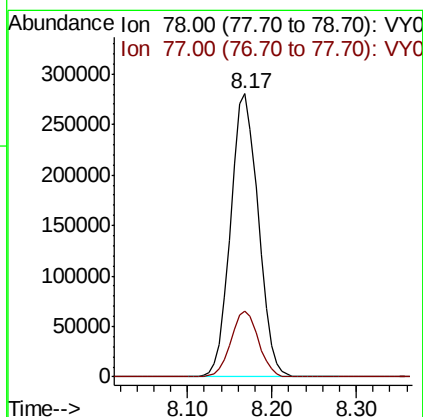
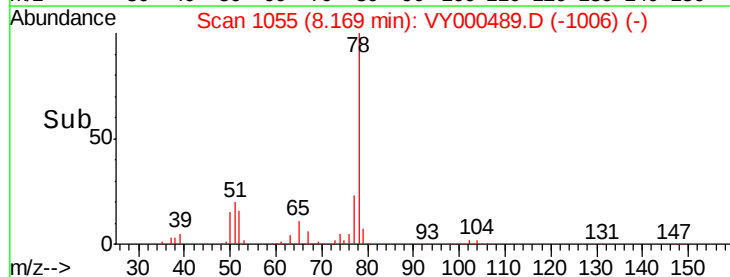
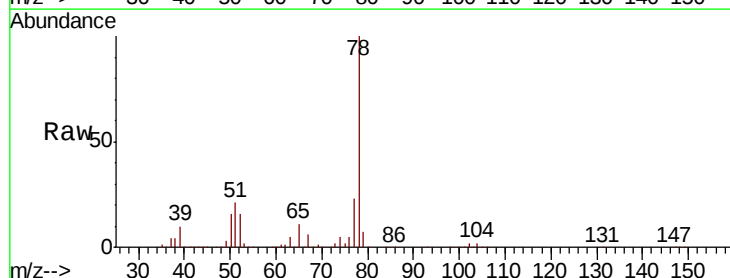
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103019

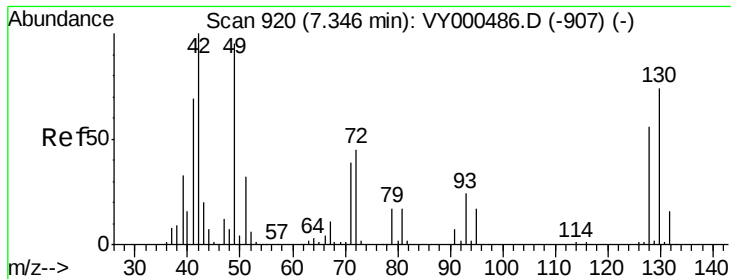
Tot Ion: 83 Resp: 282966
Ion Ratio Lower Upper
83 100
55 72.1 57.5 86.3
98 46.9 38.0 57.0



#40
Benzene
Concen: 49.496 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion: 78 Resp: 623436
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0





#41

Methacrylonitrile

Concen: 126.594 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY103019

Tot Ion: 41 Resp: 180134

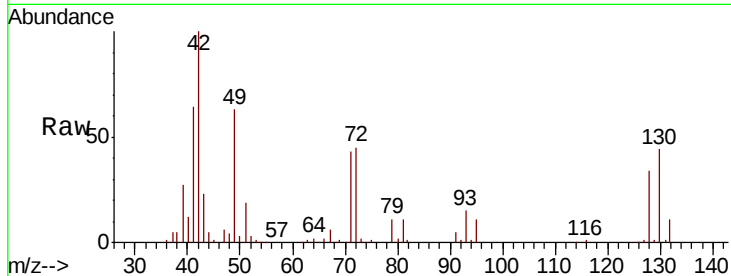
Ion Ratio Lower Upper

41 100

39 0.0 68.2 102.4#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

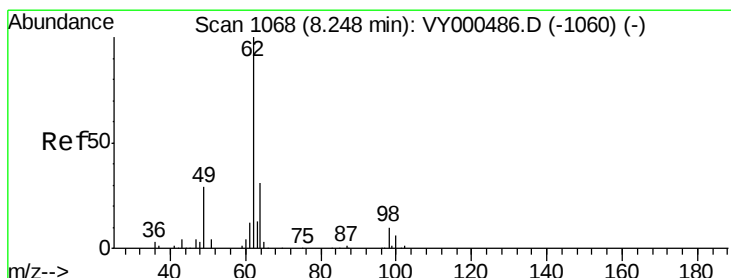
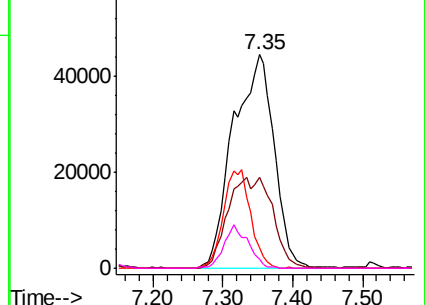
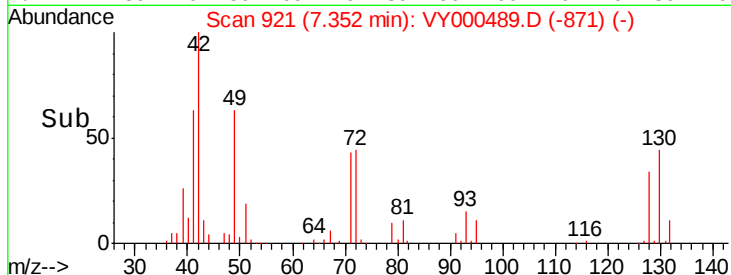


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 50.483 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000489.D

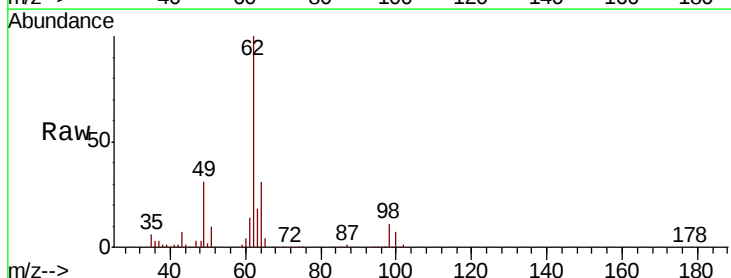
Acq: 30 Oct 2019 13:06

Tgt Ion: 62 Resp: 180346

Ion Ratio Lower Upper

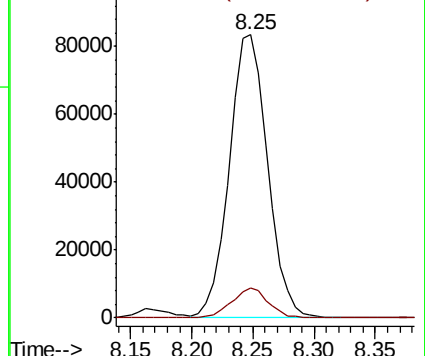
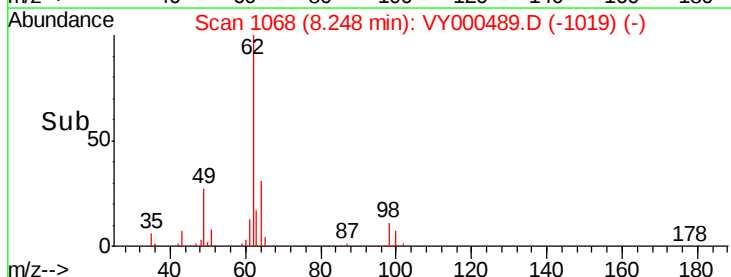
62 100

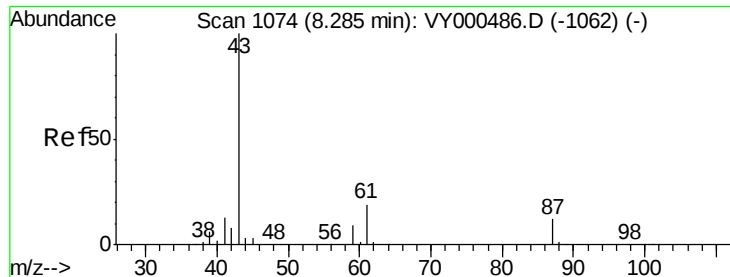
98 10.1 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 52.817 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY103019

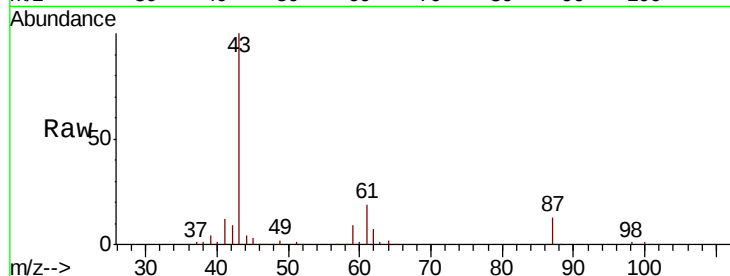
Tot Ion: 43 Resp: 253074

Ion Ratio Lower Upper

43 100

61 28.3 23.0 34.4

87 12.9 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1062) (-)

Ion 61.00 (60.70 to 61.70): VY000486.D (-1062) (-)

Ion 87.00 (86.70 to 87.70): VY000486.D (-1062) (-)

8.28

150000

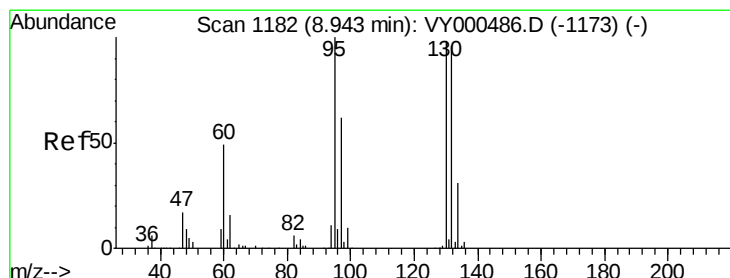
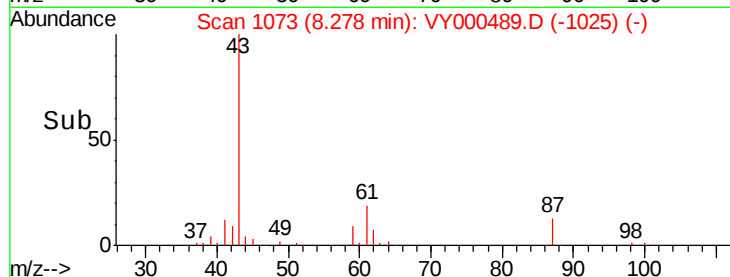
100000

50000

0

8.20 8.30 8.40

Time-->



#44

Trichloroethene

Concen: 49.209 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000489.D

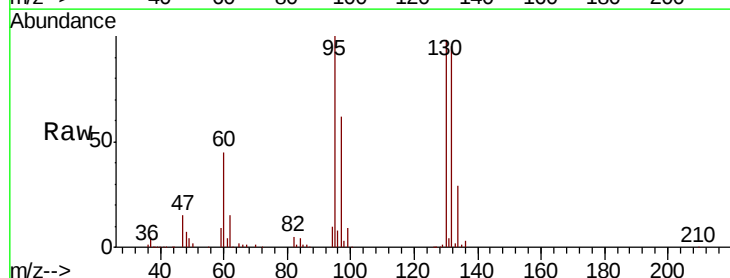
Acq: 30 Oct 2019 13:06

Tgt Ion:130 Resp: 163423

Ion Ratio Lower Upper

130 100

95 101.9 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): VY000489.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY000489.D (-1133) (-)

8.94

100000

80000

60000

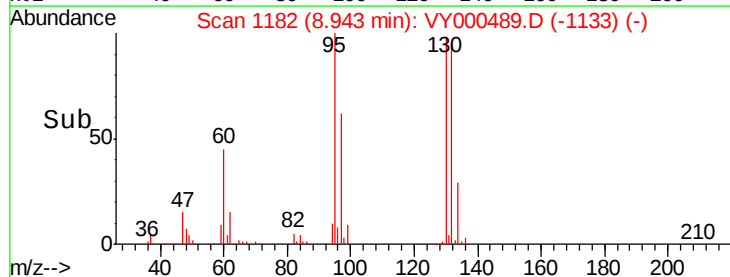
40000

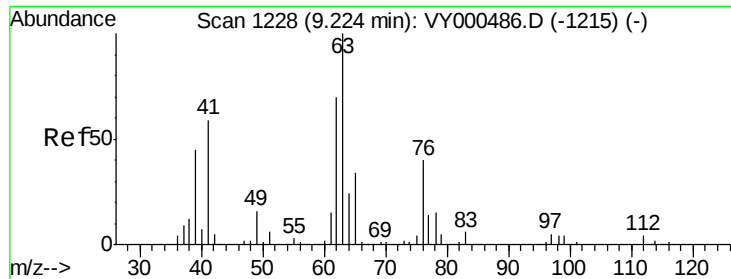
20000

0

8.85 8.90 8.95 9.00

Time-->

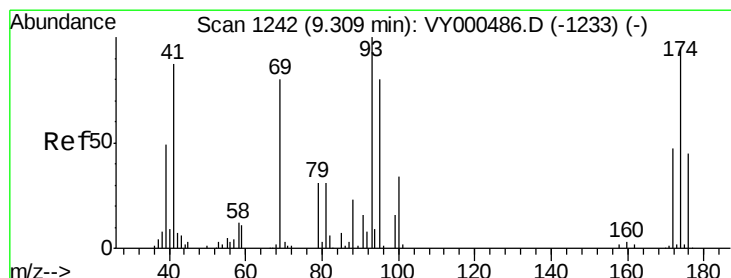
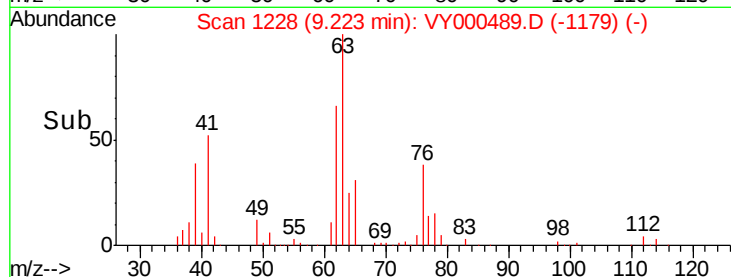
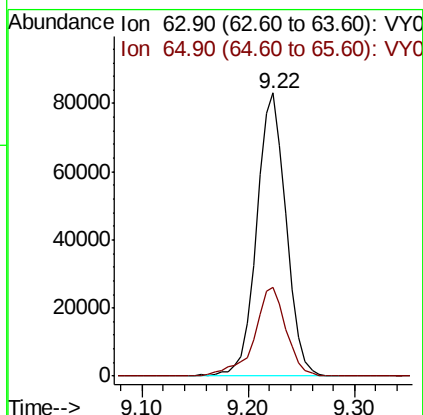
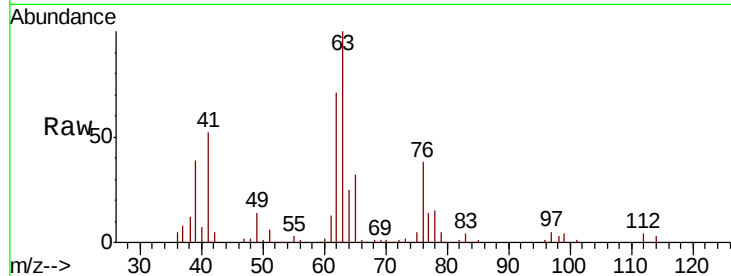




#45
 1,2-Dichloropropane
 Concen: 51.792 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

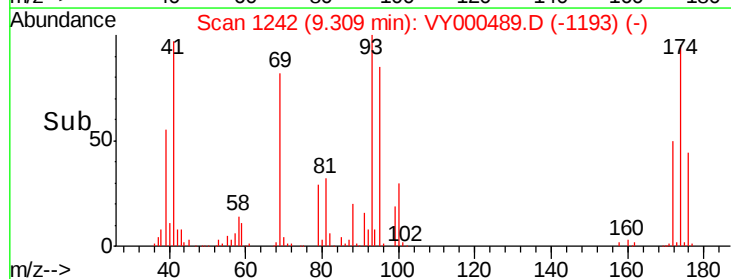
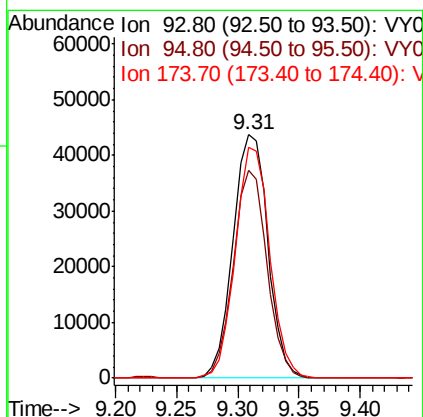
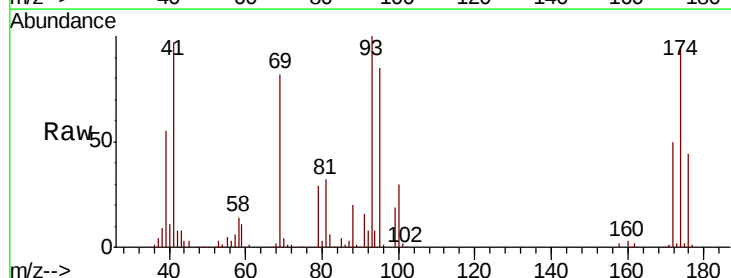
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

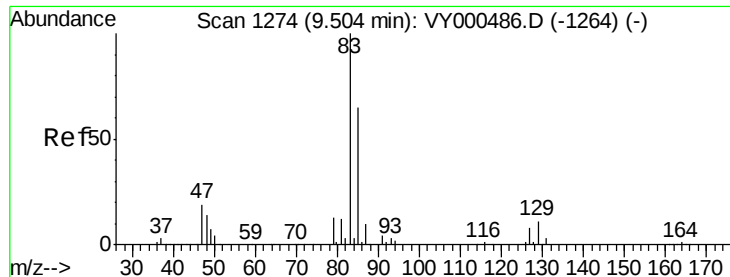
Tot Ion: 63 Resp: 160555
 Ion Ratio Lower Upper
 63 100
 65 31.5 27.0 40.4



#46
 Dibromomethane
 Concen: 50.649 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion: 93 Resp: 86351
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.4 99.6
 174 93.5 77.1 115.7





#47

Bromodichloromethane

Concen: 51.751 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY103019

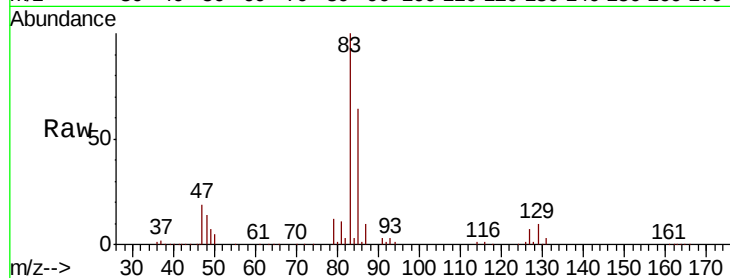
Tot Ion: 83 Resp: 209351

Ion Ratio Lower Upper

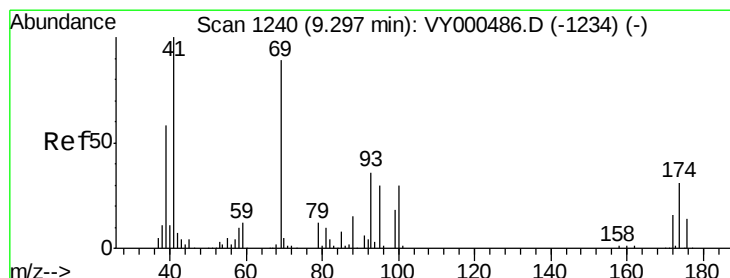
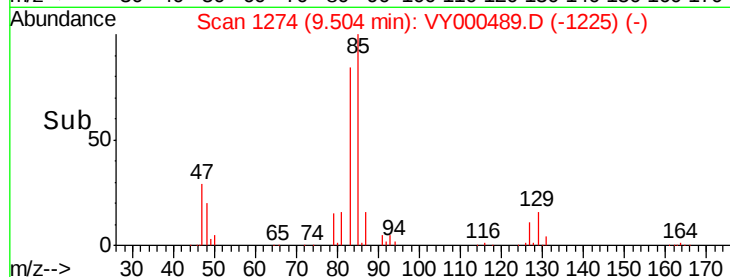
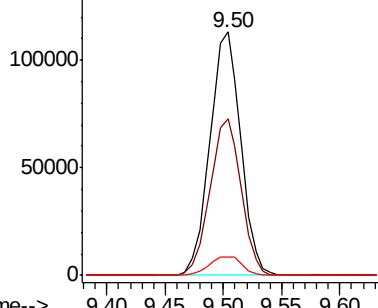
83 100

85 64.1 51.8 77.8

127 7.3 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): V



#48

Methyl methacrylate

Concen: 53.316 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

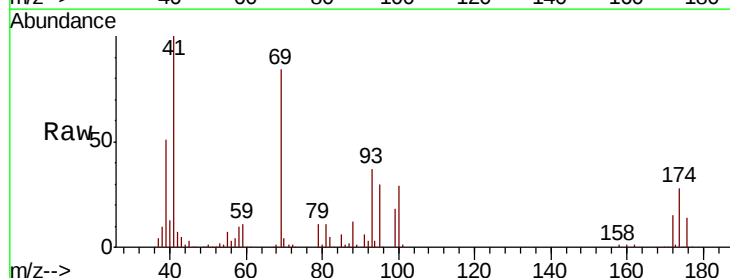
Tgt Ion: 41 Resp: 111618

Ion Ratio Lower Upper

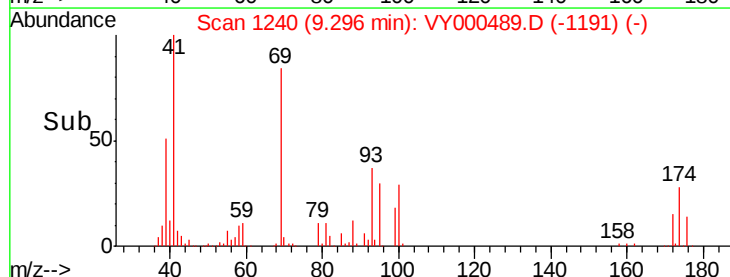
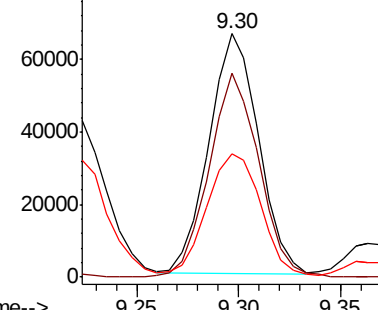
41 100

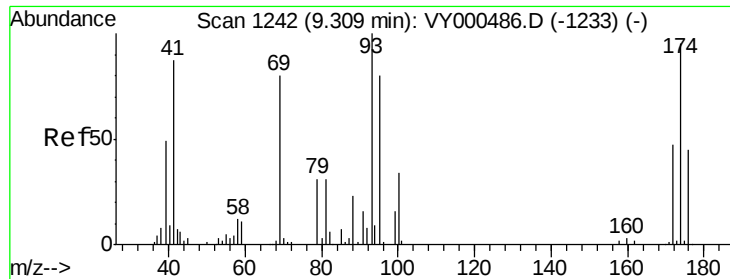
69 85.6 72.5 108.7

39 56.6 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: 979.464 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY103019

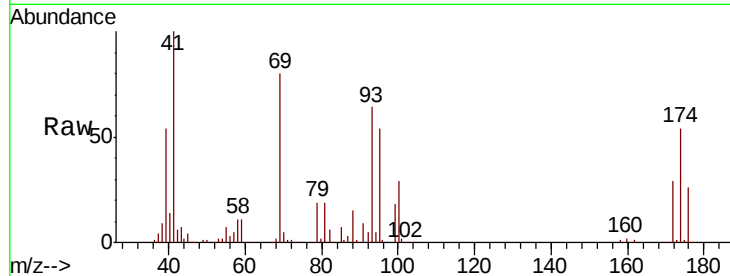
Tot Ion: 88 Resp: 22474

Ion Ratio Lower Upper

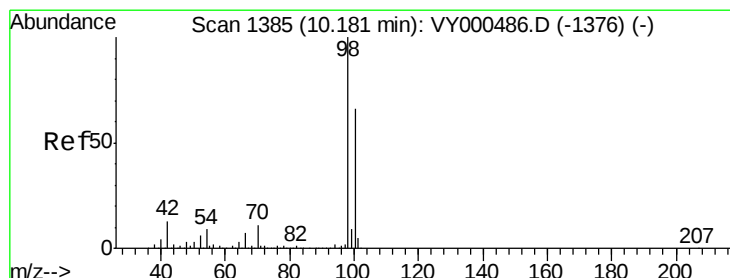
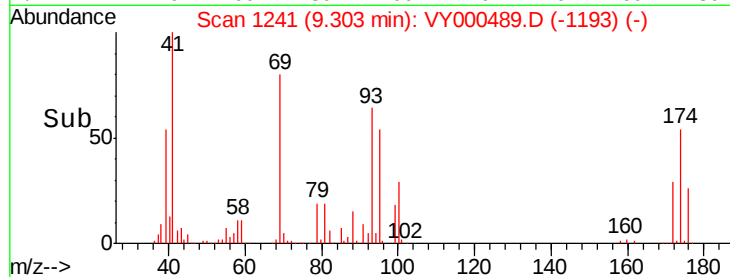
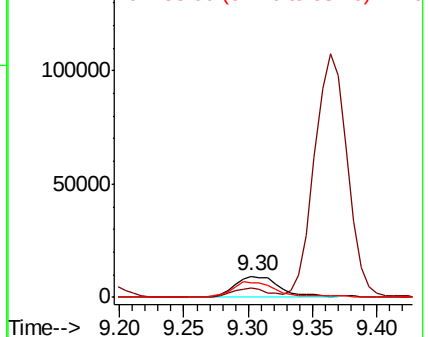
88 100

43 36.0 25.1 37.7

58 69.1 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: 52.409 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000489.D

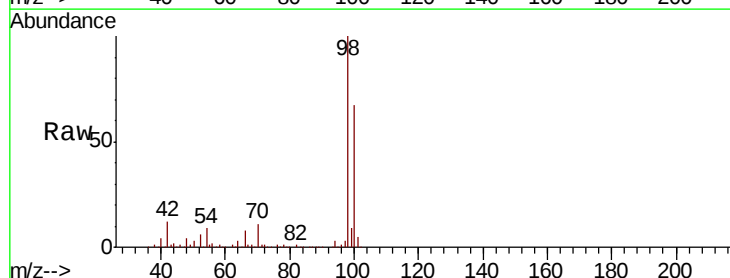
Acq: 30 Oct 2019 13:06

Tgt Ion: 98 Resp: 530567

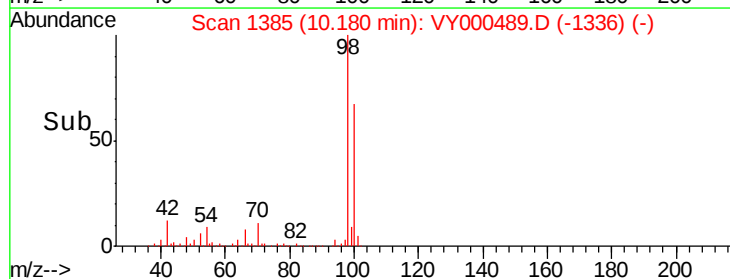
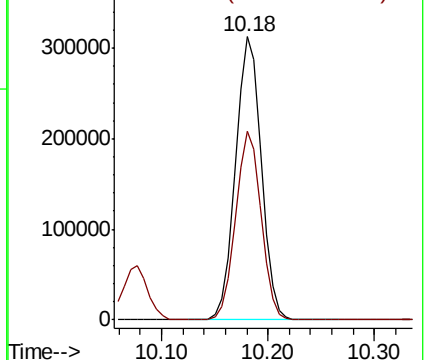
Ion Ratio Lower Upper

98 100

100 65.9 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: 265.641 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

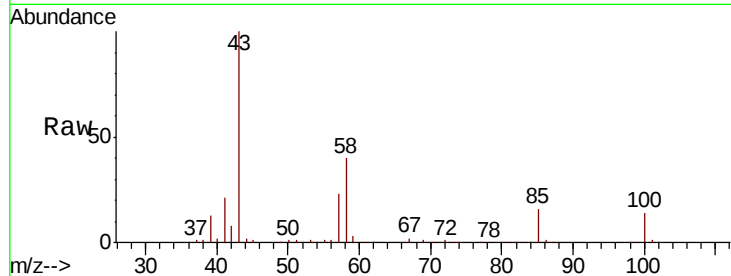
ICVY103019

Tot Ion: 43 Resp: 676724

Ion Ratio Lower Upper

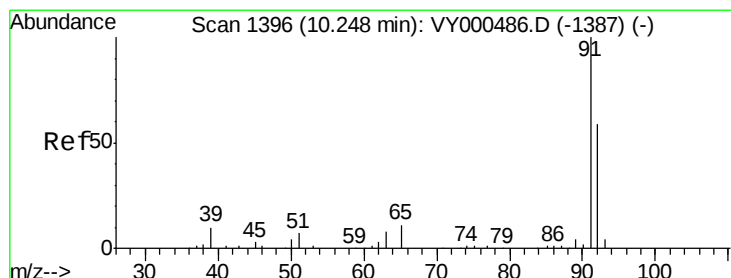
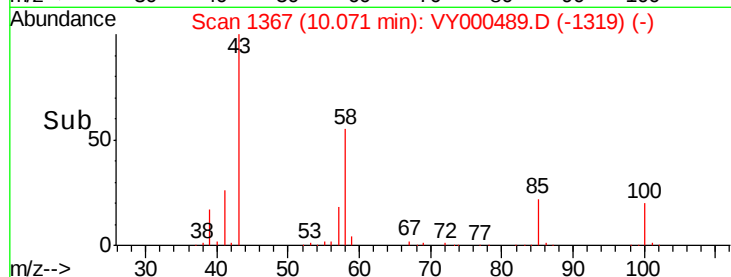
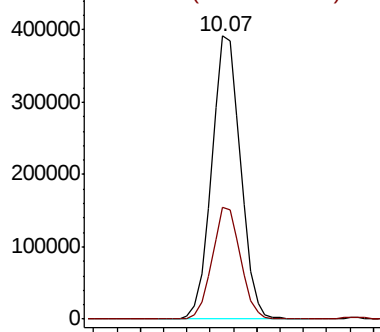
43 100

58 38.8 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 51.027 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000489.D

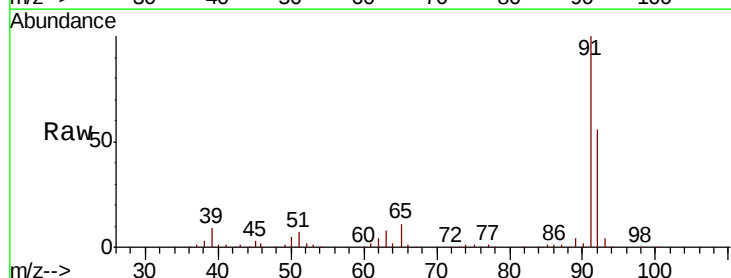
Acq: 30 Oct 2019 13:06

Tgt Ion: 92 Resp: 406343

Ion Ratio Lower Upper

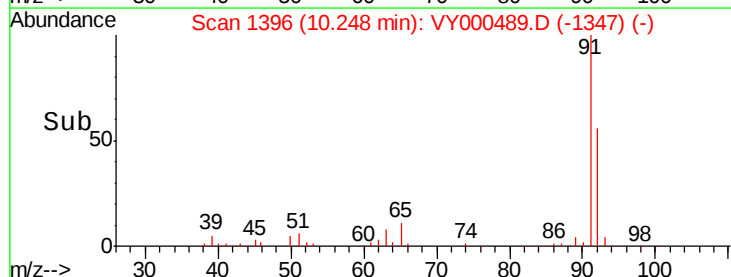
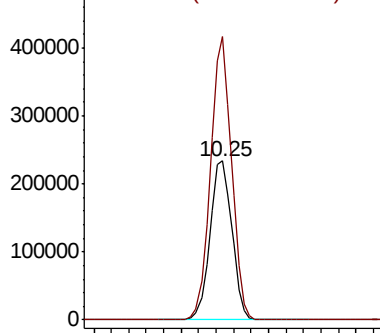
92 100

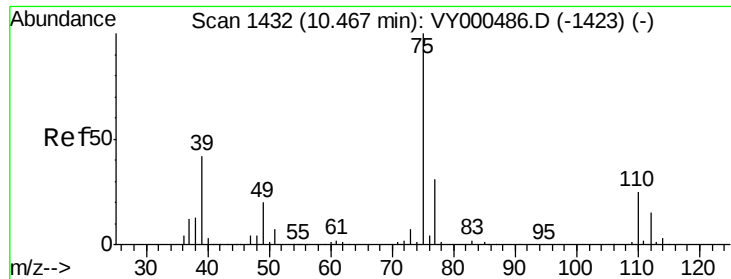
91 170.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 52.628 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

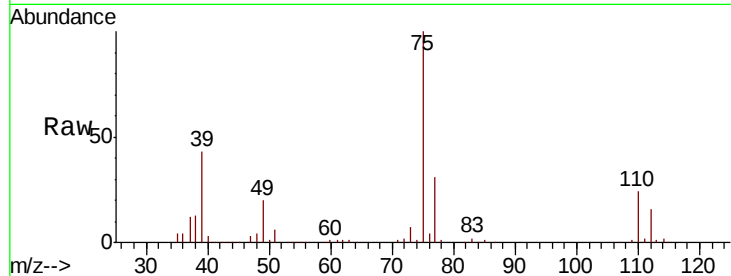
ICVVY103019

Tot Ion: 75 Resp: 227480

Ion Ratio Lower Upper

75 100

77 31.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

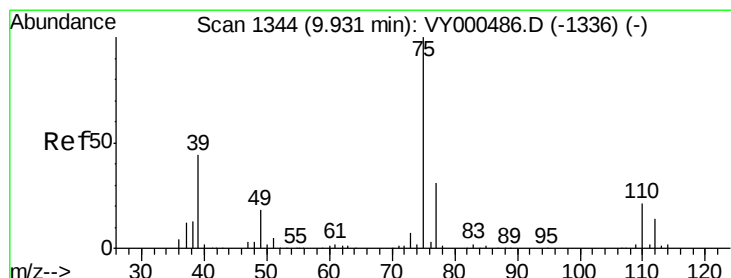
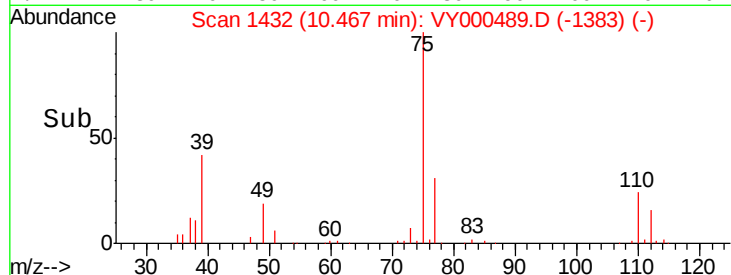
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.848 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

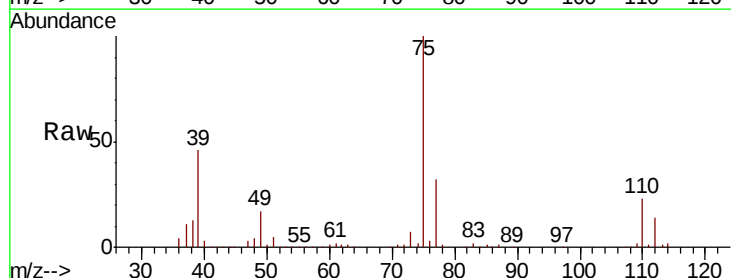
Tgt Ion: 75 Resp: 261691

Ion Ratio Lower Upper

75 100

77 31.6 24.5 36.7

39 45.8 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

200000

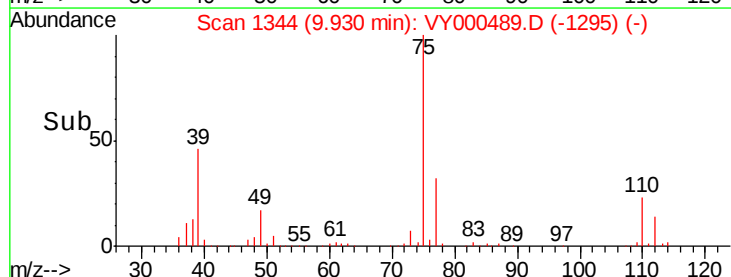
150000

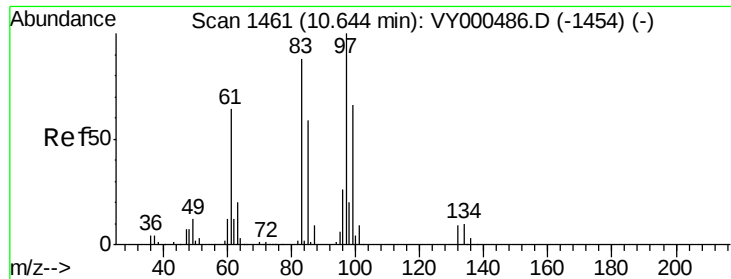
100000

50000

0

Time-->

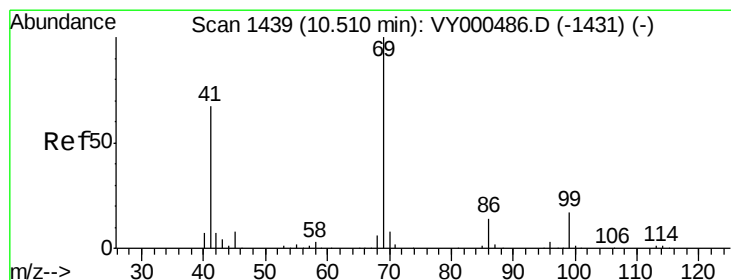
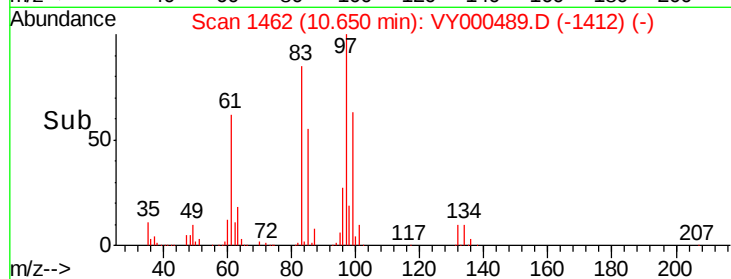
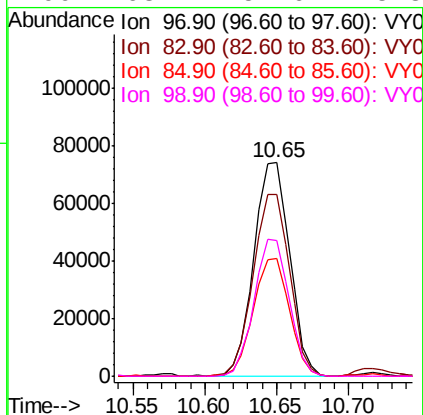
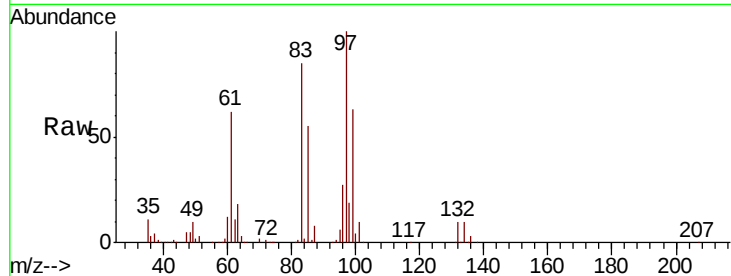




#55
 1,1,2-Trichloroethane
 Concen: 51.831 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

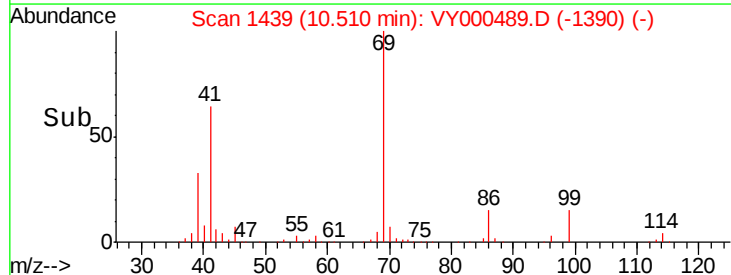
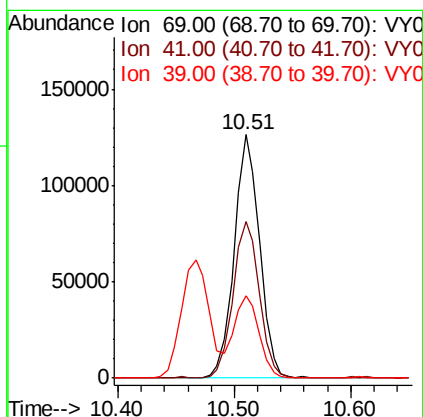
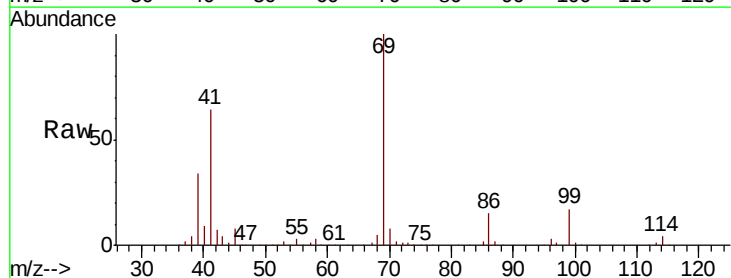
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

Tot Ion: 97 Resp: 127810
 Ion Ratio Lower Upper
 97 100
 83 85.3 70.2 105.4
 85 55.4 46.9 70.3
 99 63.4 52.6 78.8



#56
 Ethyl methacrylate
 Concen: 54.861 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion: 69 Resp: 191740
 Ion Ratio Lower Upper
 69 100
 41 66.2 53.3 79.9
 39 32.8 28.0 42.0





#57

1,3-Dichloropropane

Concen: 51.446 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

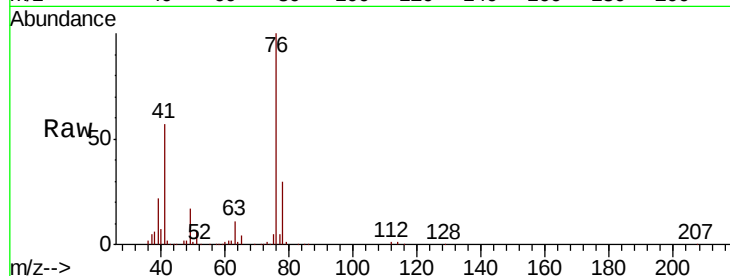
ICVY103019

Tot Ion: 76 Resp: 222035

Ion Ratio Lower Upper

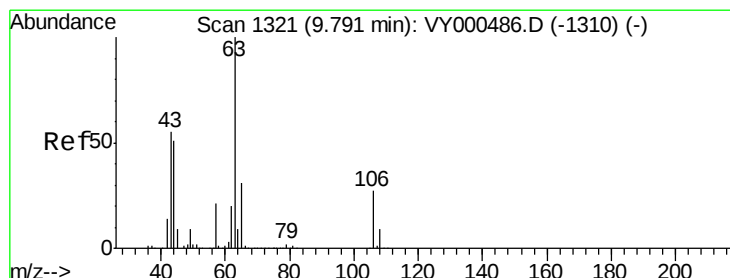
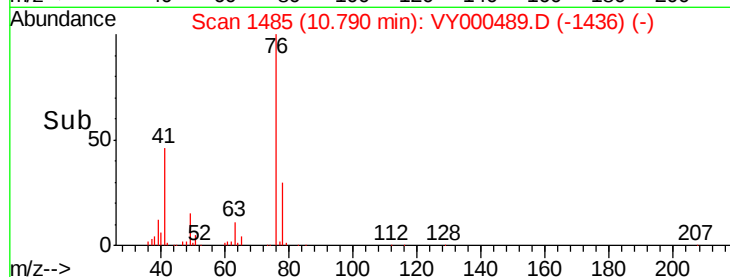
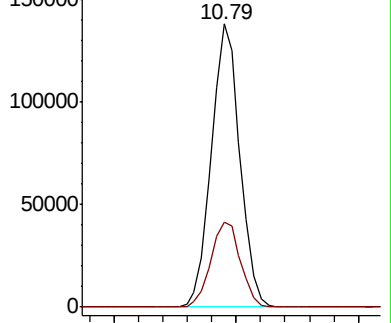
76 100

78 31.6 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: 247.412 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY000489.D

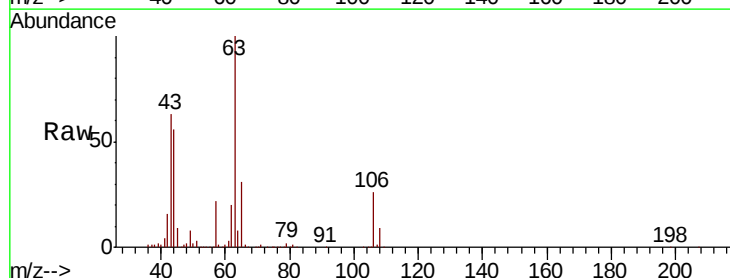
Acq: 30 Oct 2019 13:06

Tgt Ion: 63 Resp: 390926

Ion Ratio Lower Upper

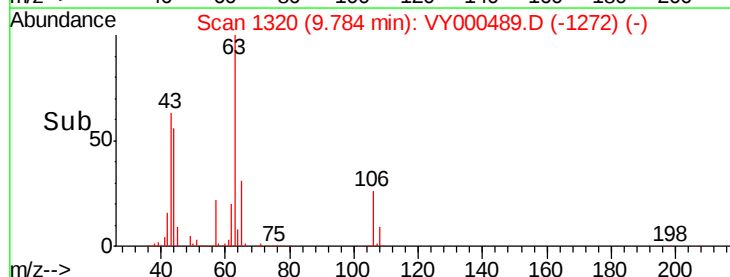
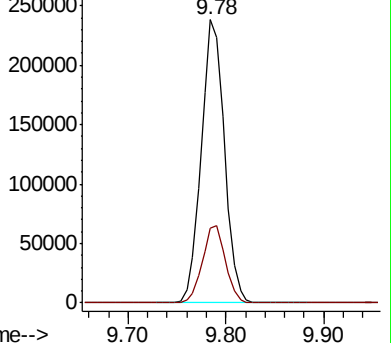
63 100

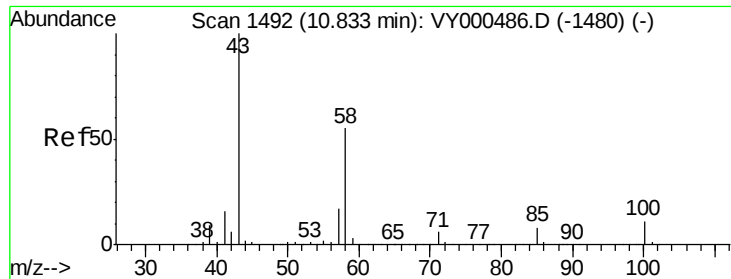
106 27.2 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

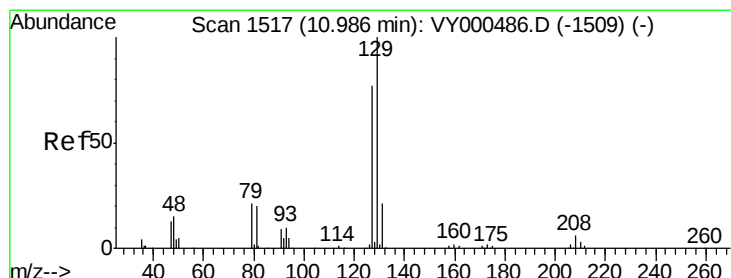
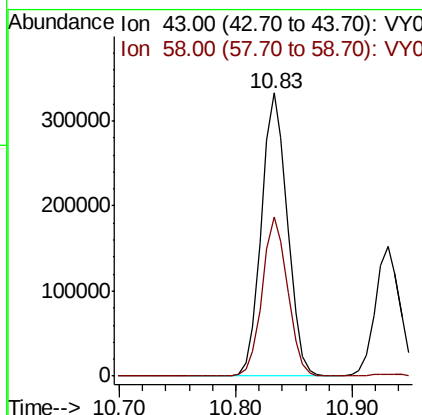
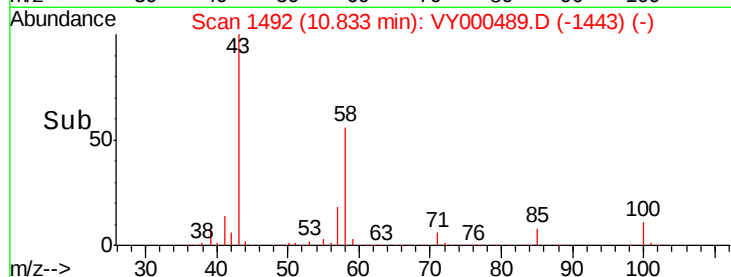
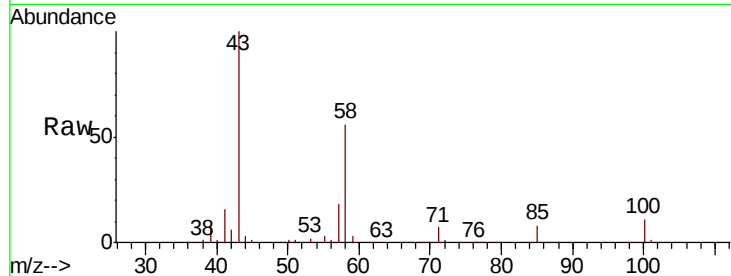




#59
2-Hexanone
Concen: 276.955 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

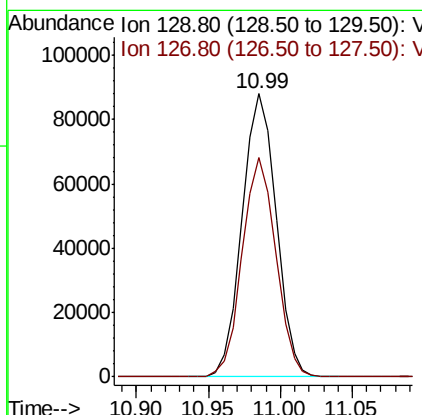
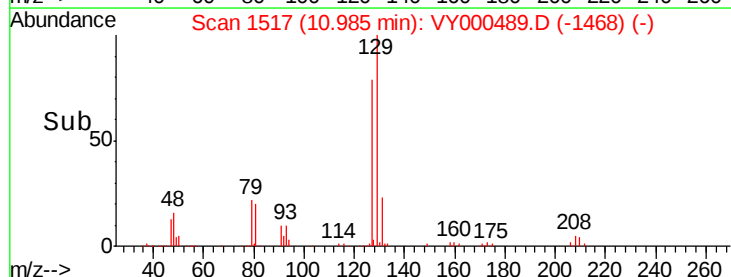
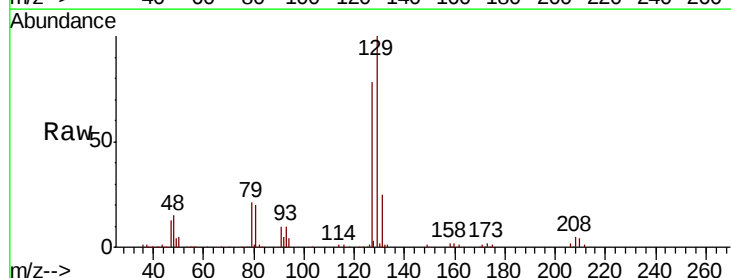
Instrument :
MSVOA_Y
ClientSampleId :
ICVY103019

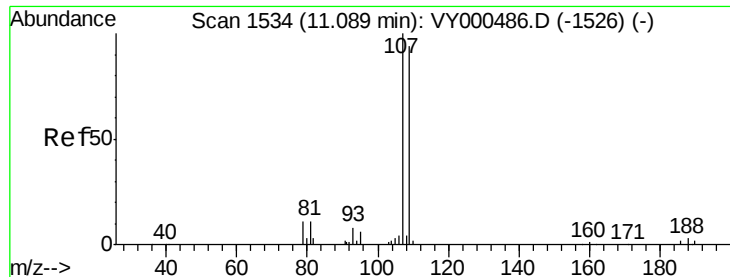
Tot Ion: 43 Resp: 514058
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3



#60
Dibromochloromethane
Concen: 51.119 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion: 129 Resp: 144385
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2

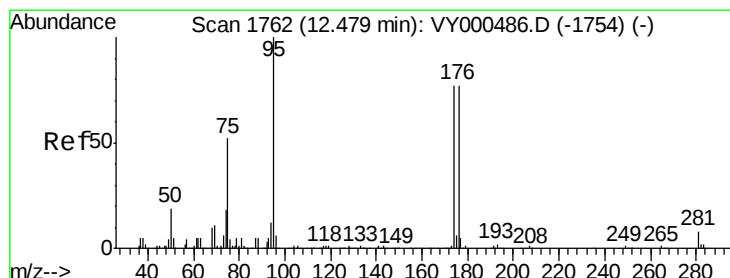
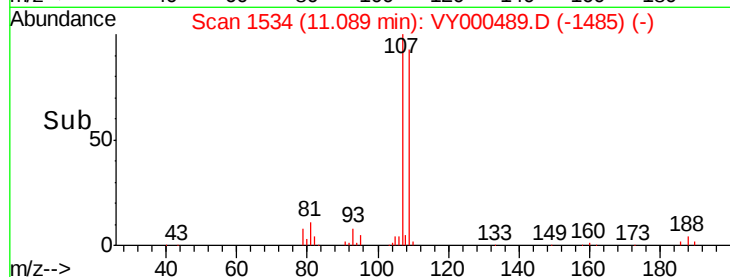
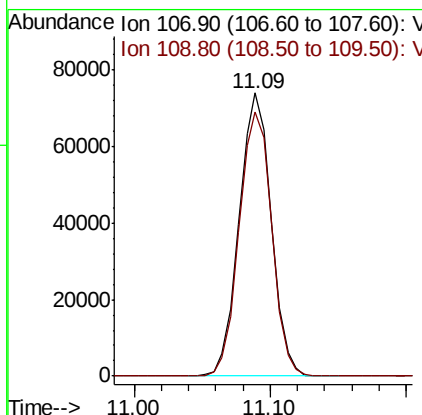
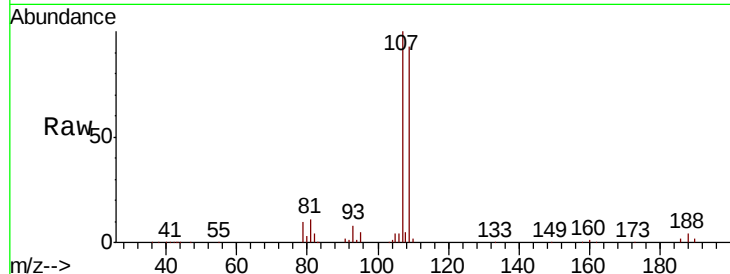




#61
 1,2-Dibromoethane
 Concen: 51.368 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

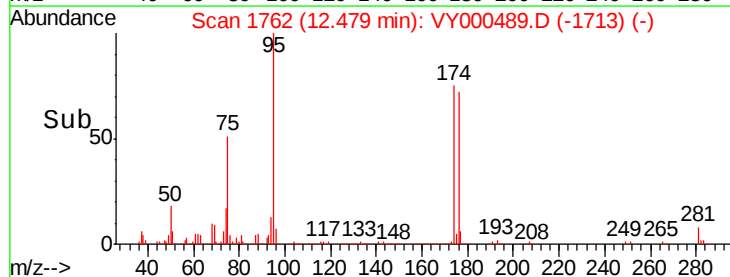
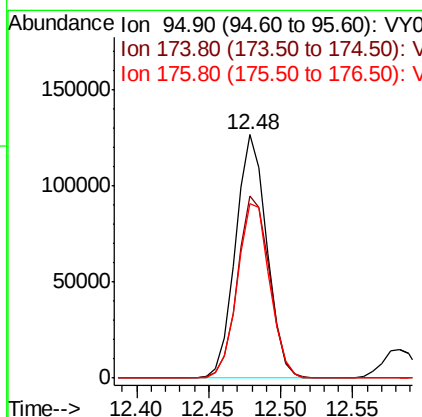
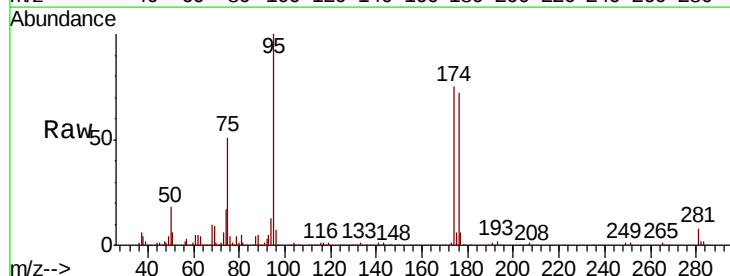
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

Tot Ion: 107 Resp: 121791
 Ion Ratio Lower Upper
 107 100
 109 94.5 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 49.713 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion: 95 Resp: 191592
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 161.6
 176 74.0 0.0 157.8

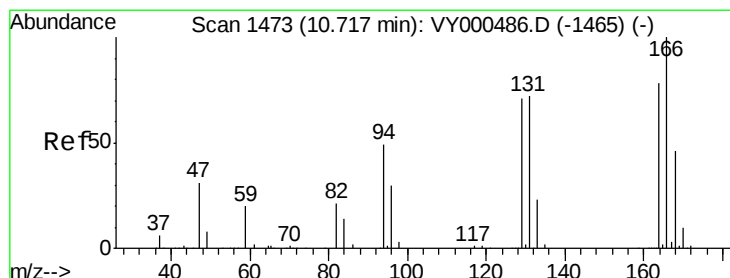
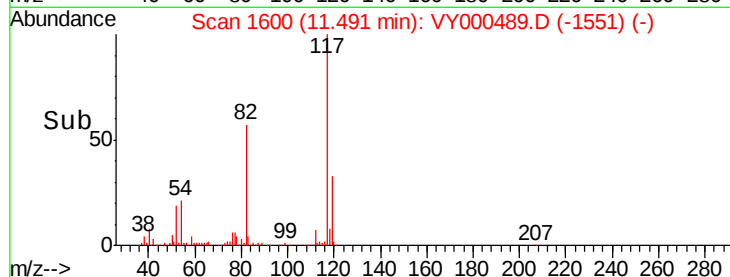
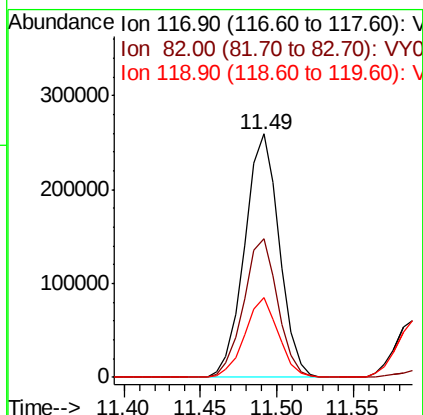
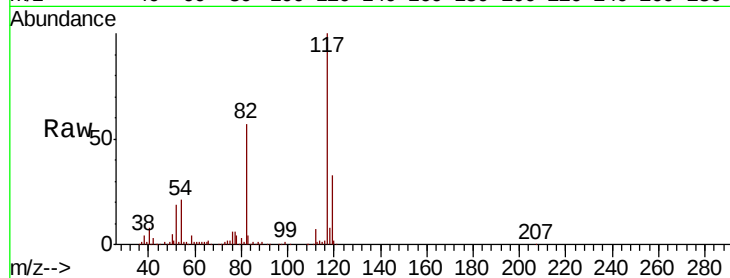




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

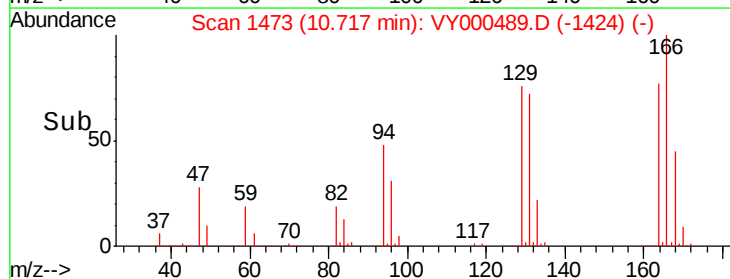
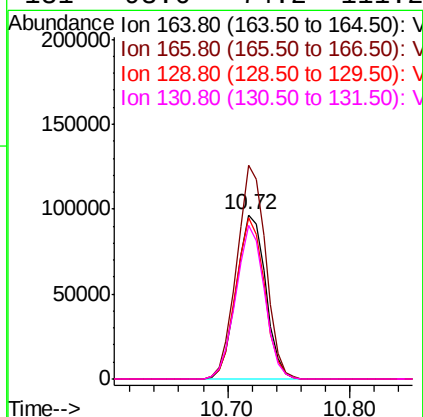
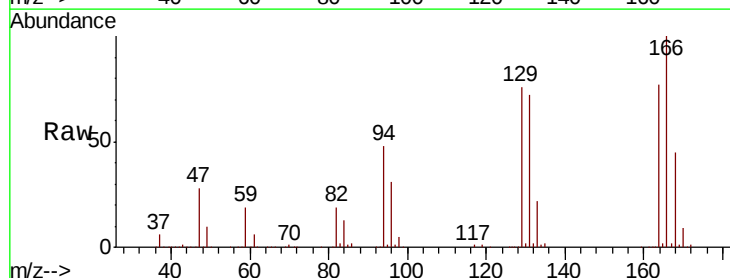
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103019

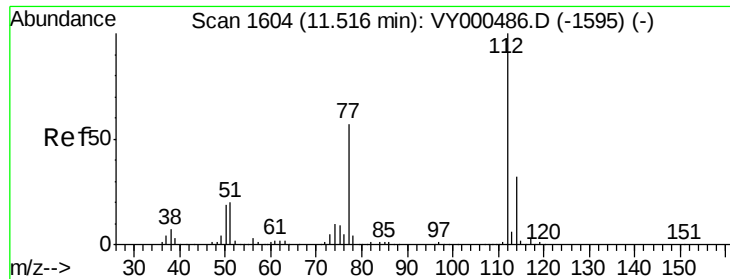
Tot Ion:117 Resp: 408753
Ion Ratio Lower Upper
117 100
82 56.9 40.8 61.2
119 32.7 26.2 39.2



#64
Tetrachloroethene
Concen: 47.153 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion:164 Resp: 159372
Ion Ratio Lower Upper
164 100
166 130.1 102.7 154.1
129 98.5 73.2 109.8
131 93.6 74.2 111.2

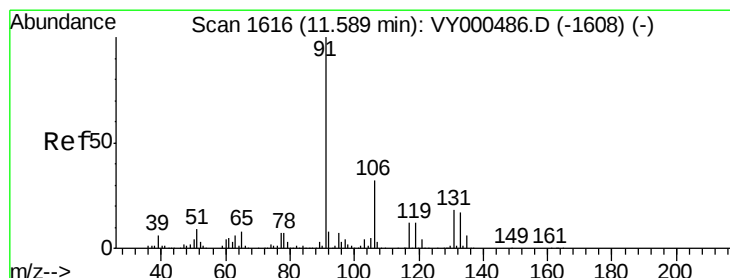
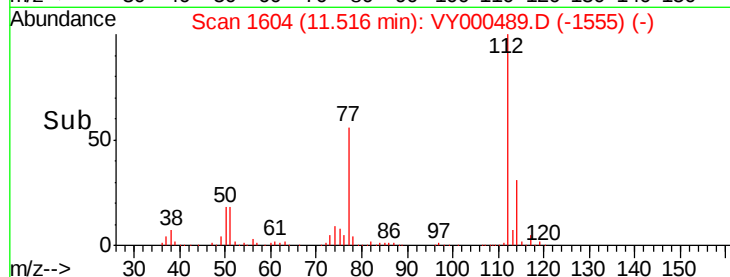
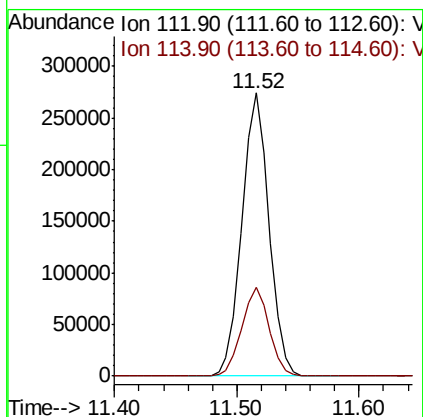
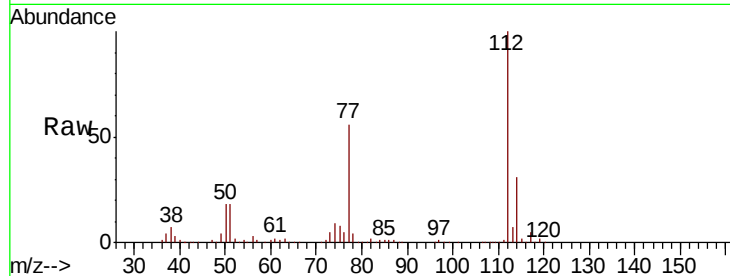




#65
Chlorobenzene
Concen: 50.807 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

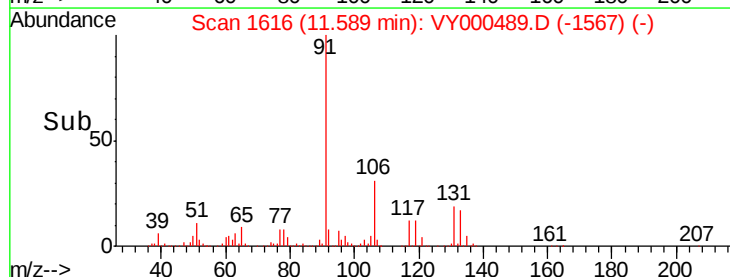
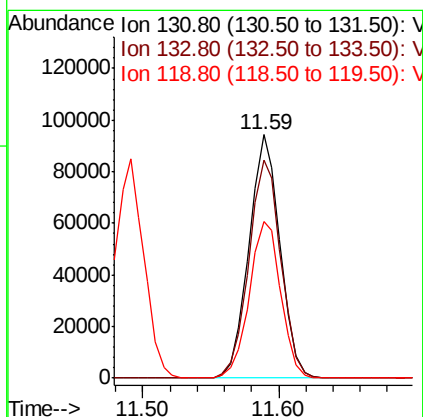
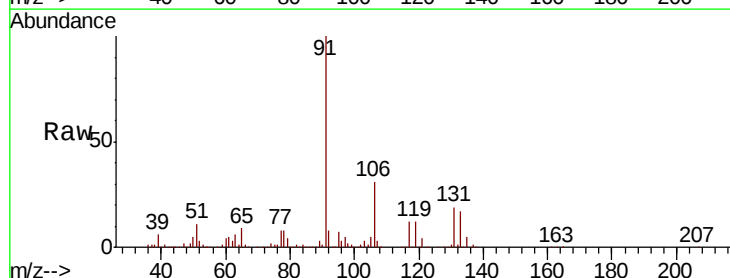
Instrument :
MSVOA_Y
ClientSampleId :
ICVY103019

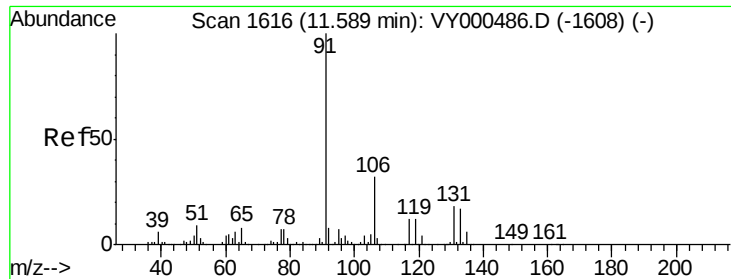
Tot Ion:112 Resp: 421053
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.265 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion:131 Resp: 150219
Ion Ratio Lower Upper
131 100
133 92.9 47.9 143.8
119 65.4 33.1 99.3





#67

Ethyl Benzene

Concen: 51.463 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

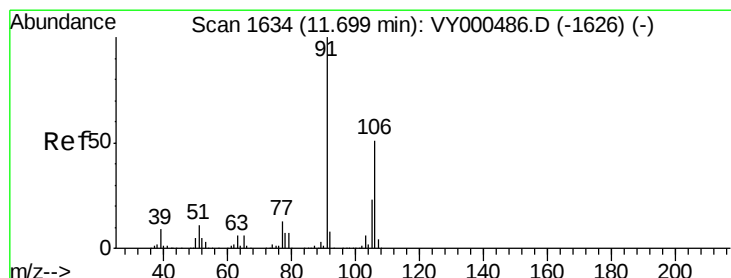
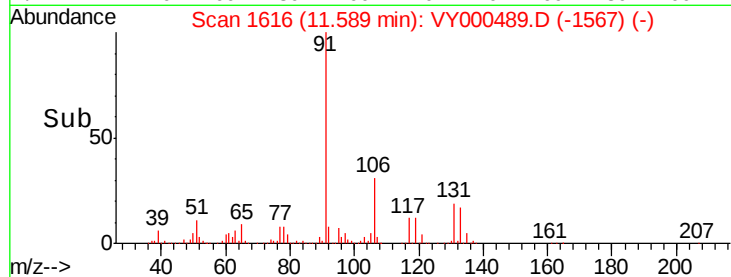
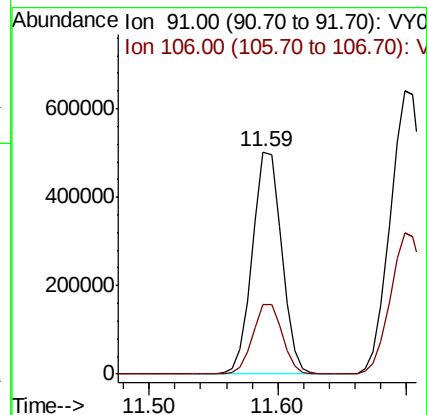
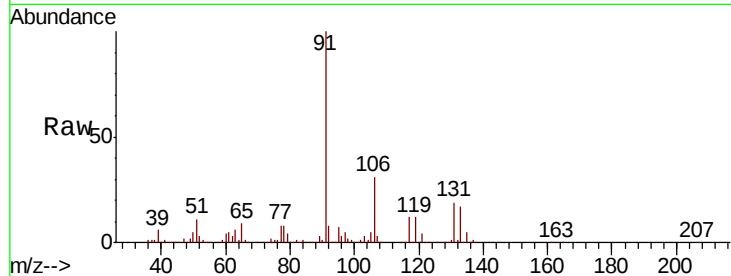
ICVY103019

Tot Ion: 91 Resp: 784933

Ion Ratio Lower Upper

91 100

106 31.3 25.4 38.0



#68

m/p-Xylenes

Concen: 100.900 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000489.D

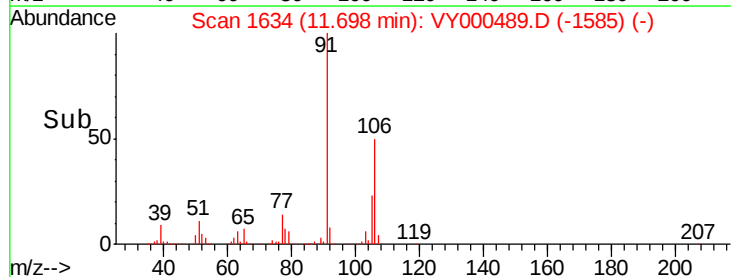
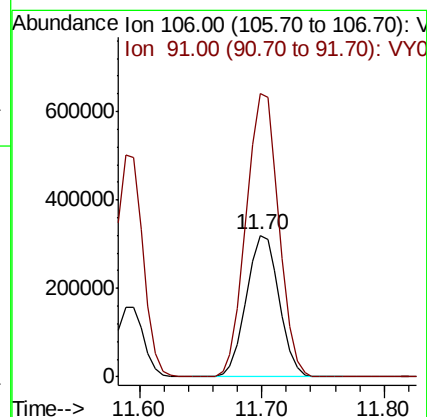
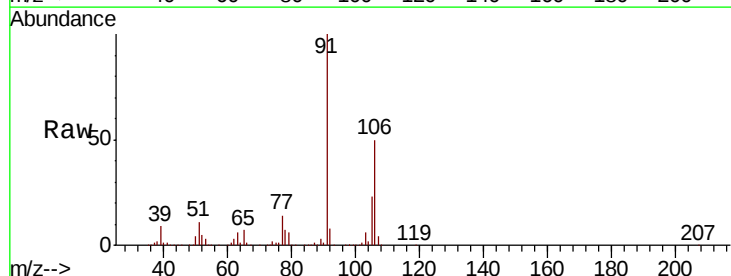
Acq: 30 Oct 2019 13:06

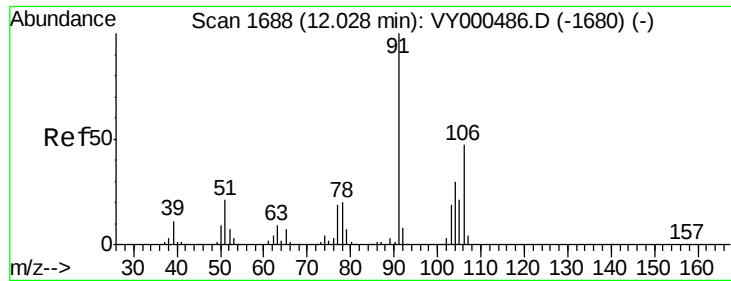
Tgt Ion: 106 Resp: 595645

Ion Ratio Lower Upper

106 100

91 199.7 155.9 233.9

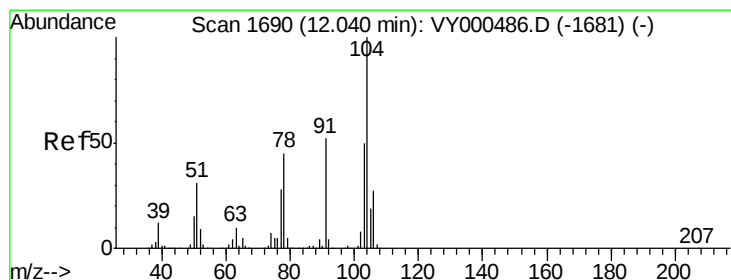
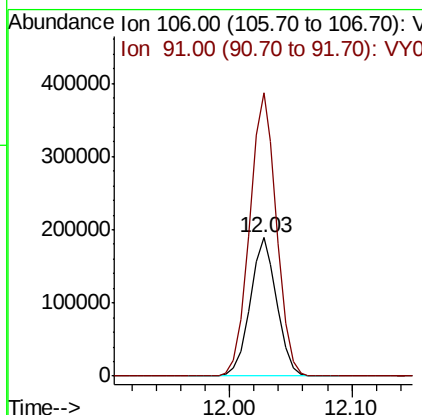
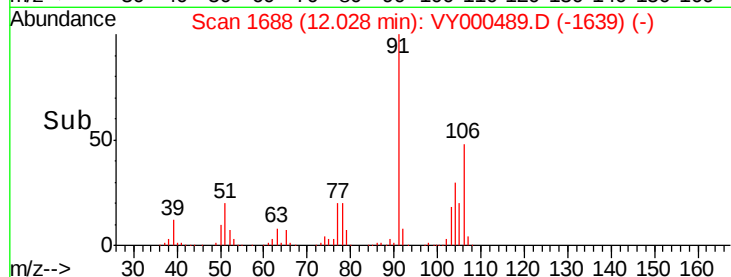
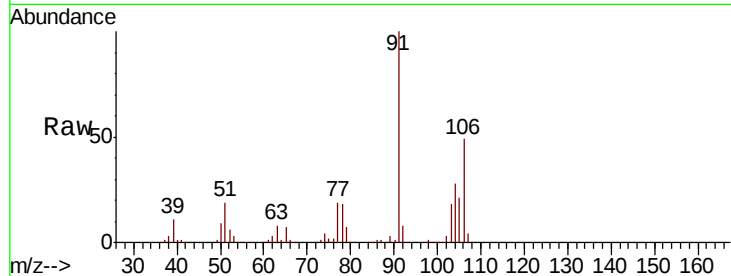




#69
o-Xylene
Concen: 51.187 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

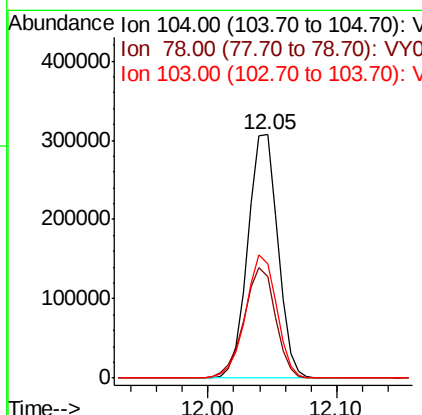
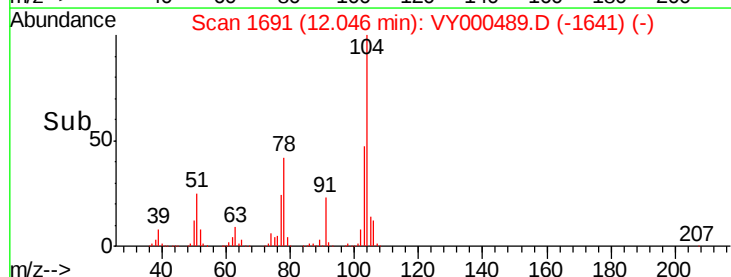
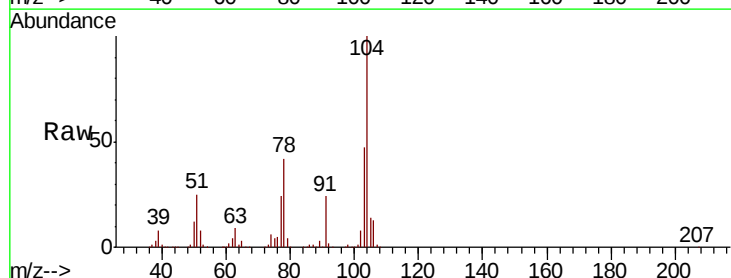
Instrument :
MSVOA_Y
ClientSampleId :
ICVY0103019

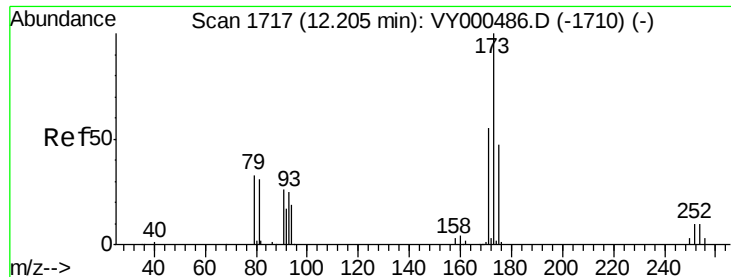
Tot Ion:106 Resp: 283990
Ion Ratio Lower Upper
106 100
91 207.7 106.5 319.6



#70
Styrene
Concen: 51.764 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion:104 Resp: 491771
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.4
103 52.5 42.5 63.7





#71

Bromoform

Concen: 52.727 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY103019

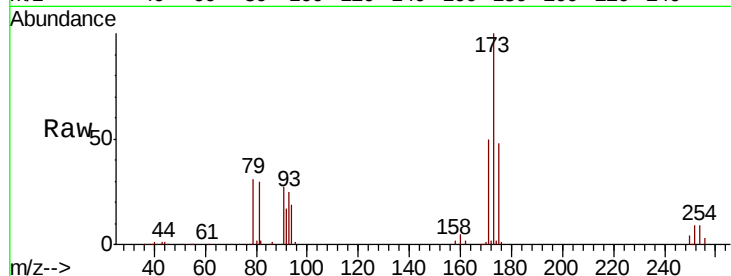
Tot Ion:173 Resp: 87165

Ion Ratio Lower Upper

173 100

175 47.1 24.4 73.2

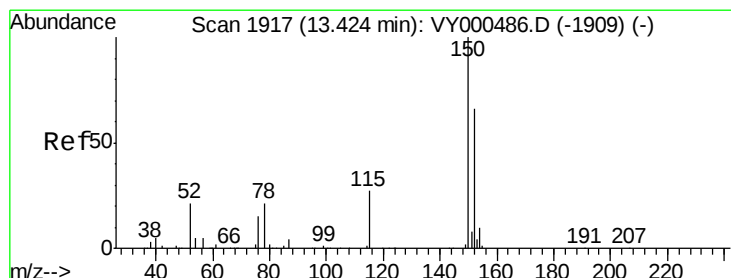
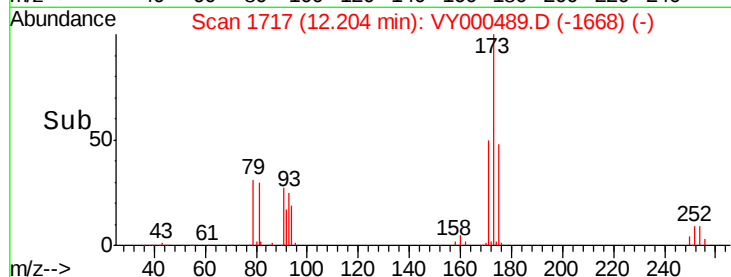
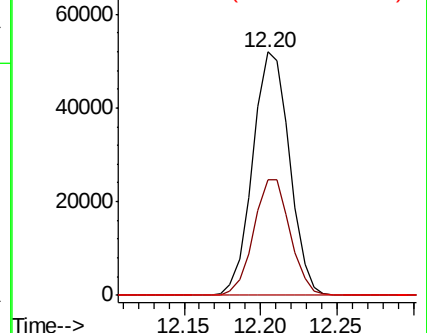
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

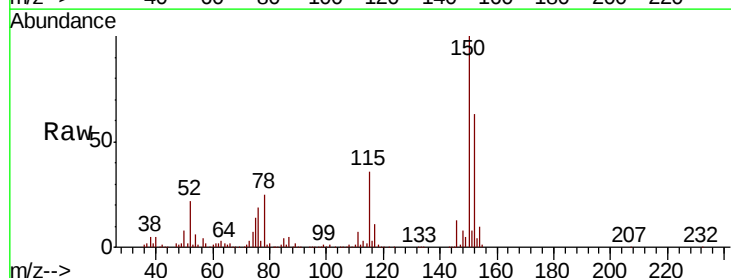
Tgt Ion:152 Resp: 205084

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.4

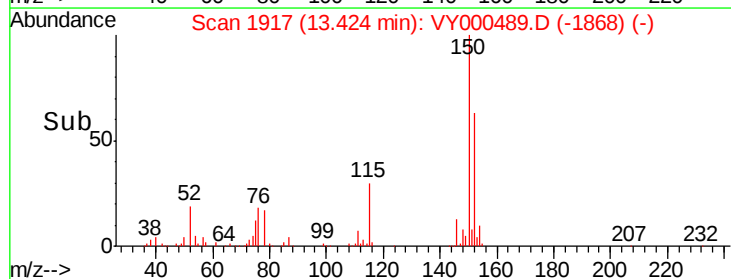
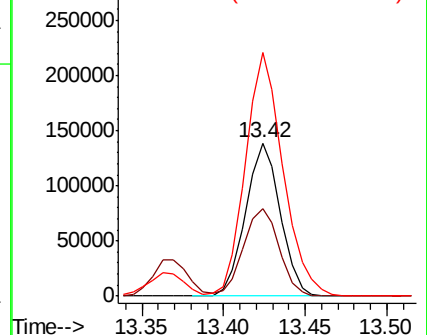
150 173.3 0.0 348.8

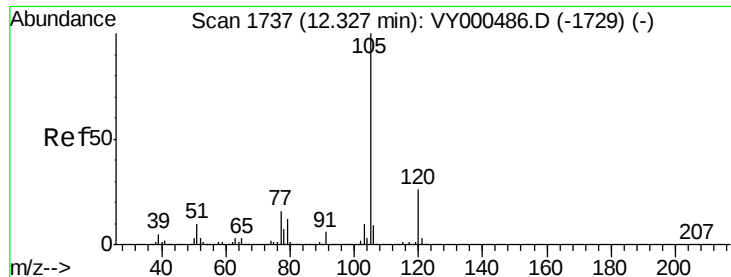


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.221 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

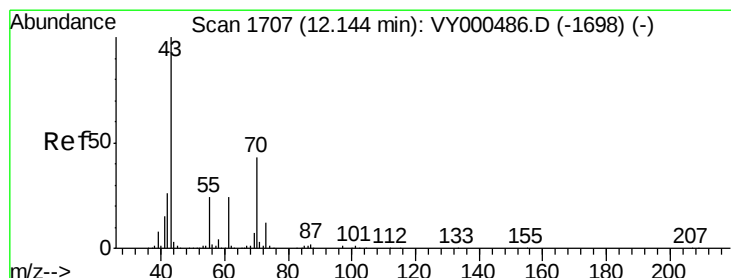
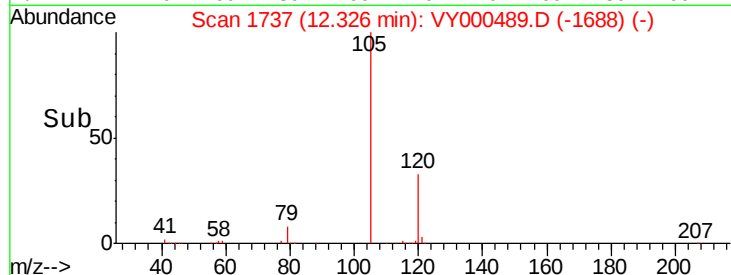
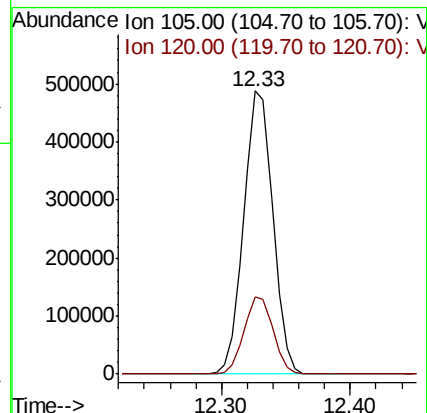
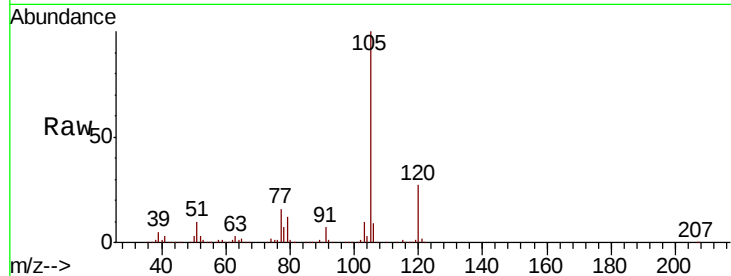
ICVY103019

Tot Ion:105 Resp: 761213

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4



#74

N-ethyl acetate

Concen: 55.258 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Tgt Ion: 43 Resp: 239877

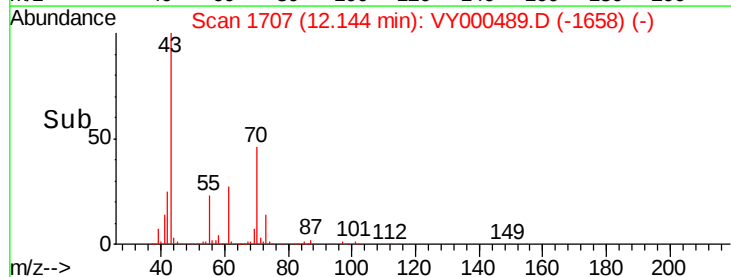
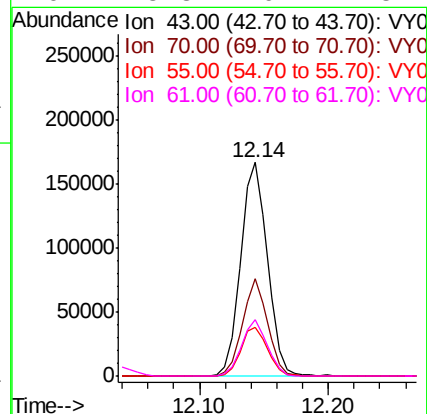
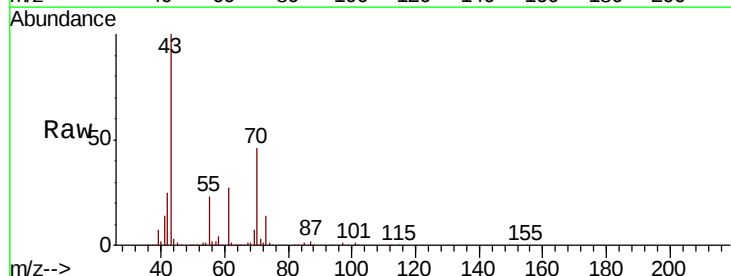
Ion Ratio Lower Upper

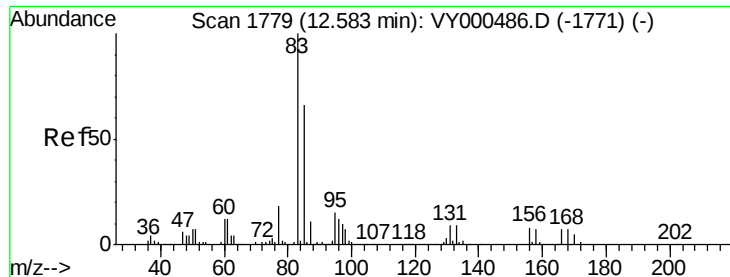
43 100

70 42.4 33.1 49.7

55 23.1 18.0 27.0

61 25.3 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.826 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY0103019

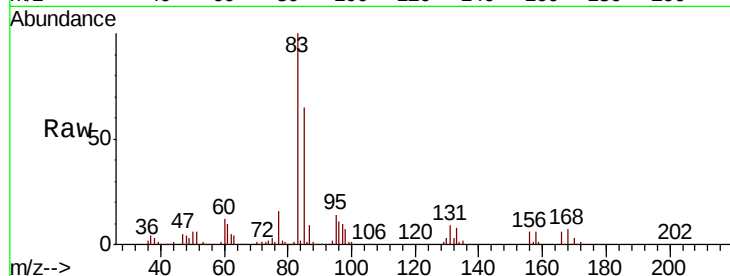
Tot Ion: 83 Resp: 158538

Ion Ratio Lower Upper

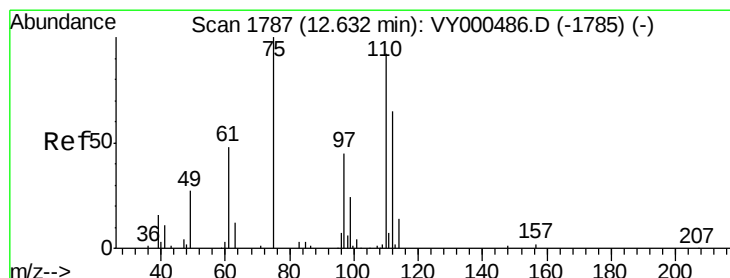
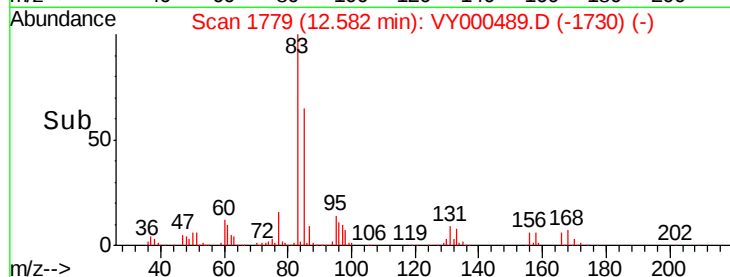
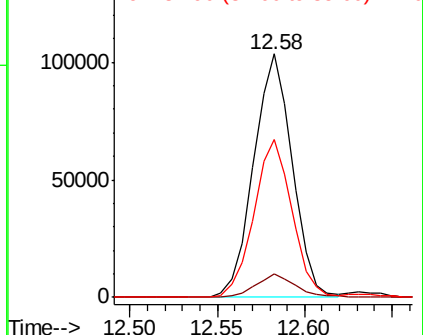
83 100

131 9.8 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: 91.361 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000489.D

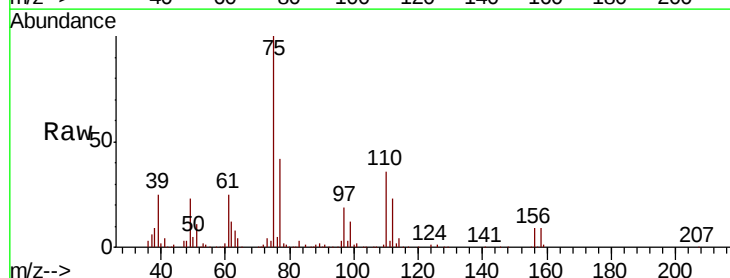
Acq: 30 Oct 2019 13:06

Tgt Ion: 75 Resp: 213342

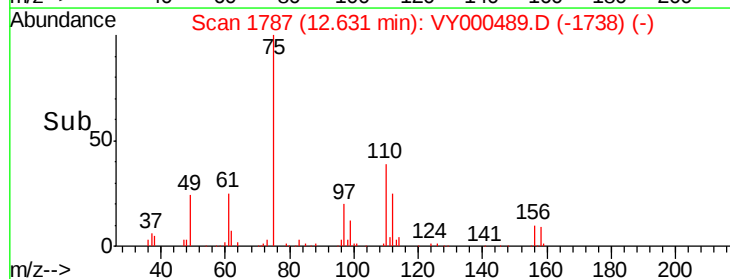
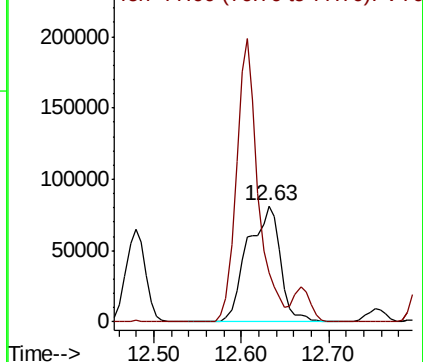
Ion Ratio Lower Upper

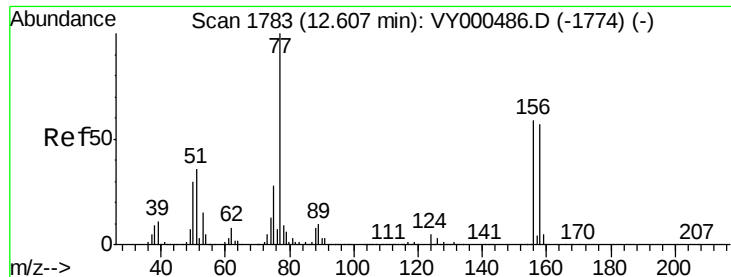
75 100

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: 49.057 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY0103019

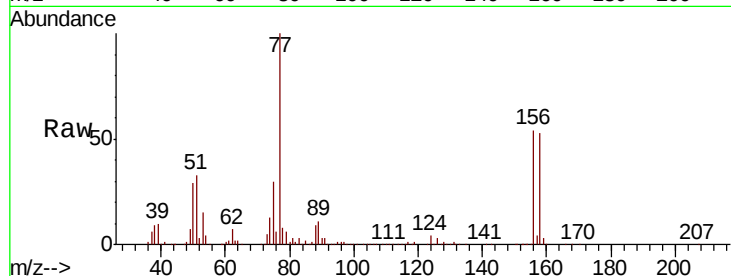
Tot Ion:156 Resp: 168619

Ion Ratio Lower Upper

156 100

77 204.9 98.2 294.4

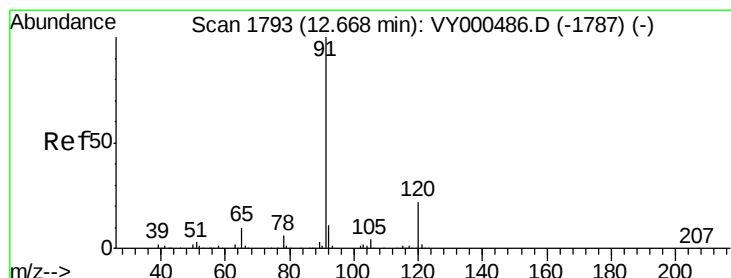
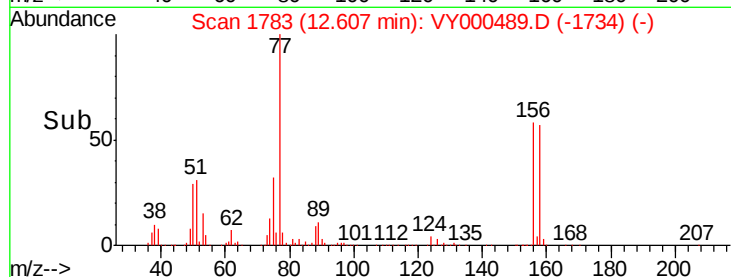
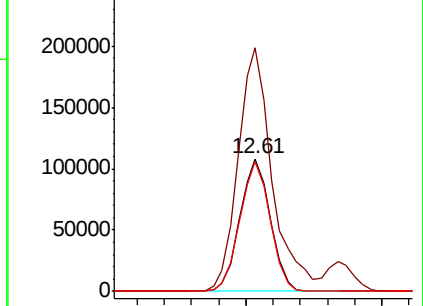
158 97.3 49.6 149.0



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: 50.908 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000489.D

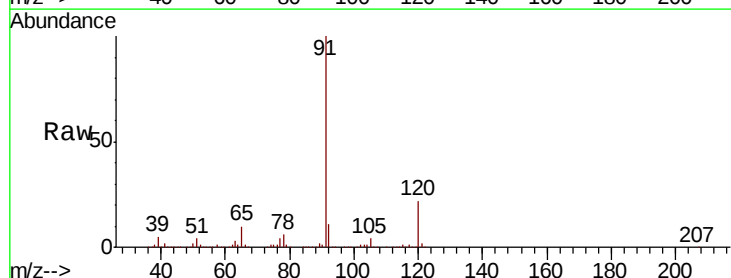
Acq: 30 Oct 2019 13:06

Tgt Ion: 91 Resp: 931024

Ion Ratio Lower Upper

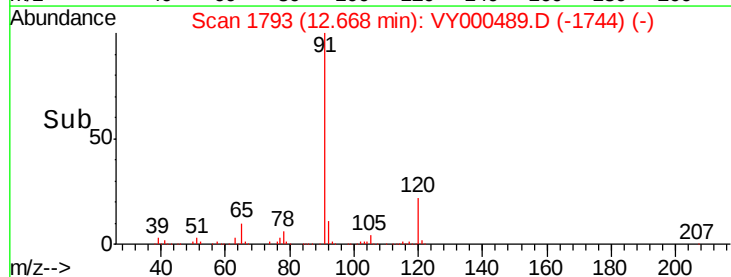
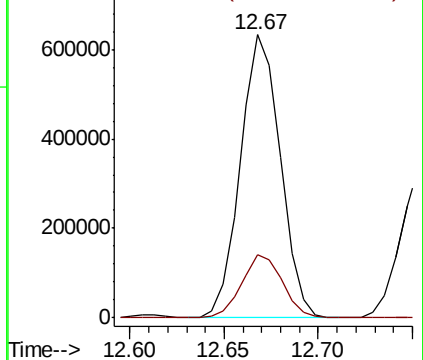
91 100

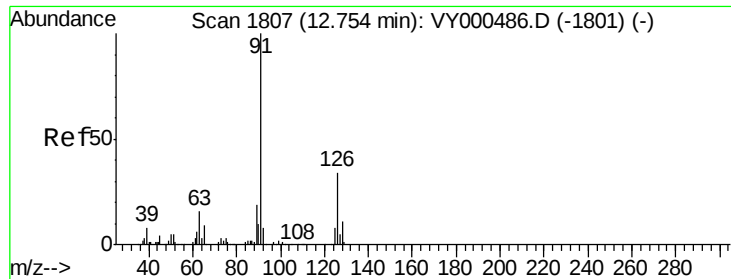
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

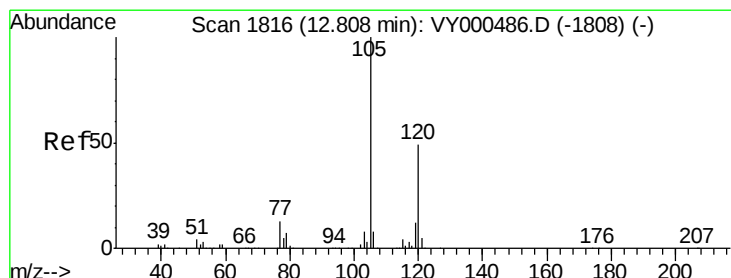
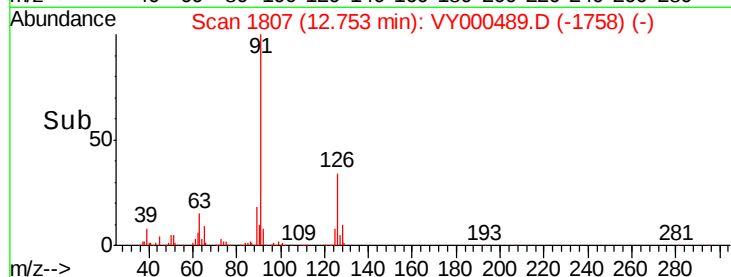
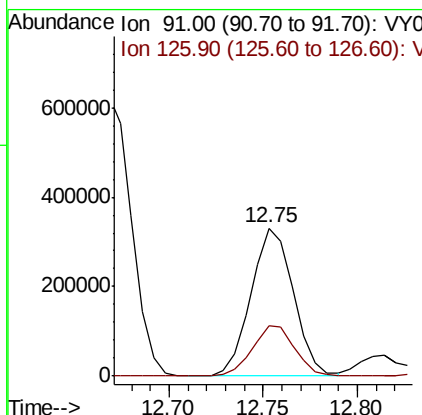
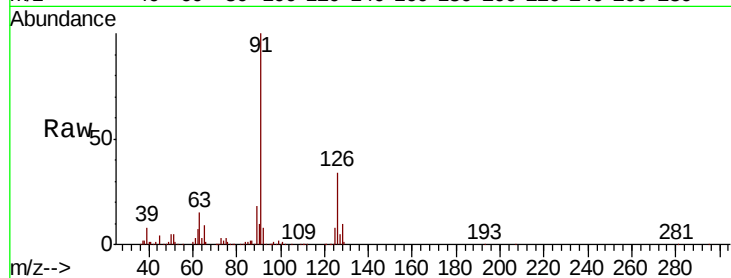




#79
 2-Chlorotoluene
 Concen: 50.919 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

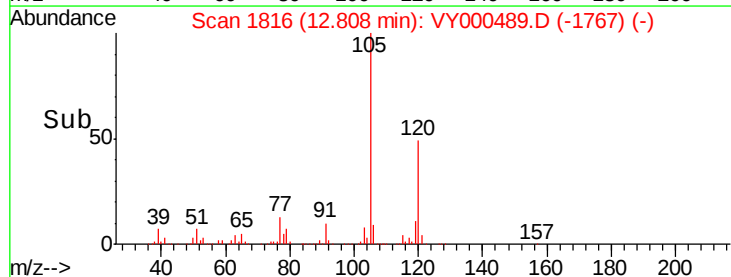
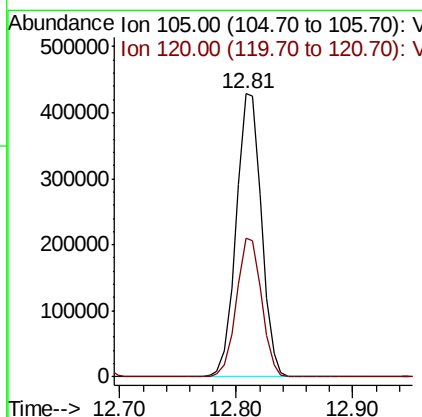
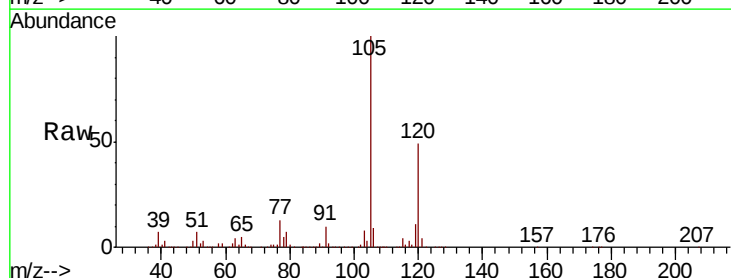
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

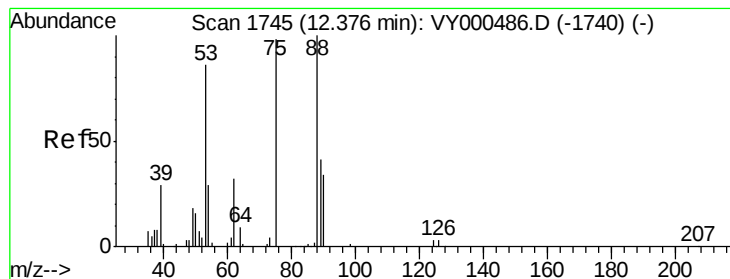
Tot Ion: 91 Resp: 516979
 Ion Ratio Lower Upper
 91 100
 126 33.8 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 51.354 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion: 105 Resp: 648274
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.127 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY103019

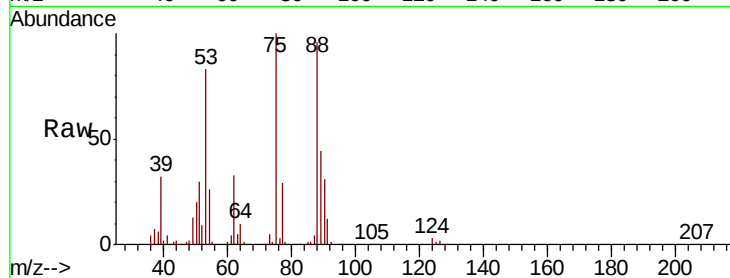
Tot Ion: 75 Resp: 56373

Ion Ratio Lower Upper

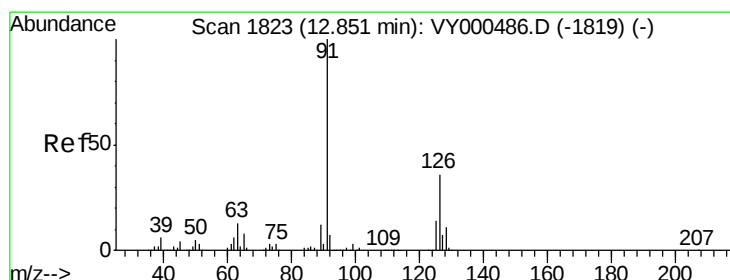
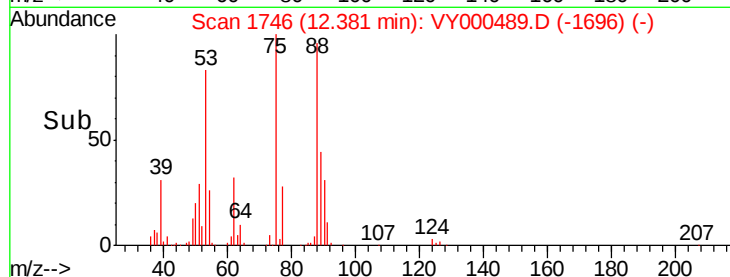
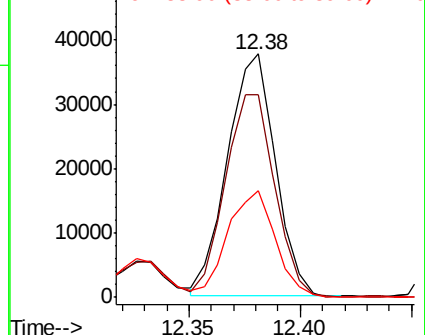
75 100

53 86.4 73.2 109.8

89 44.0 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: 51.221 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000489.D

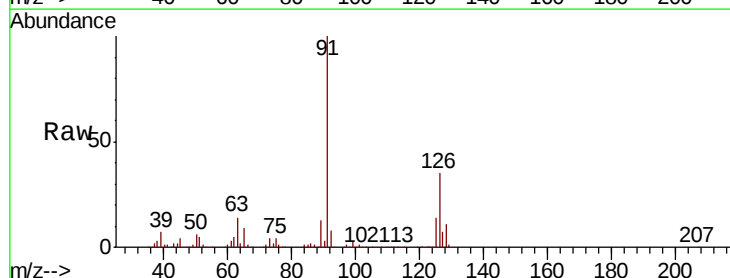
Acq: 30 Oct 2019 13:06

Tgt Ion: 91 Resp: 539066

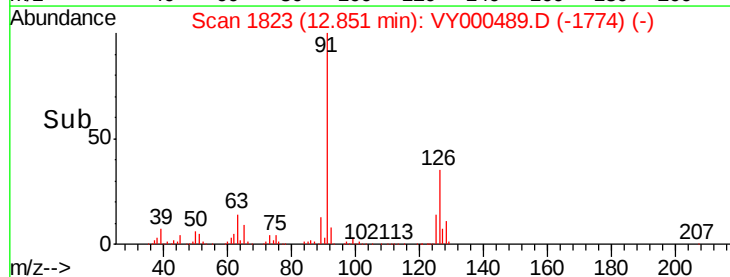
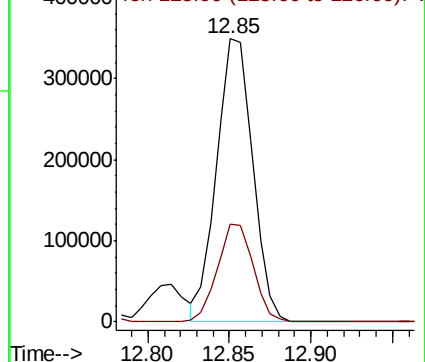
Ion Ratio Lower Upper

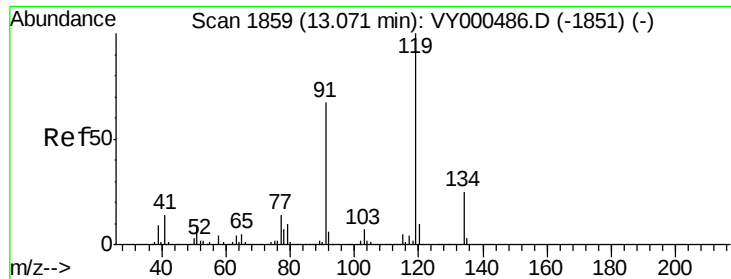
91 100

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

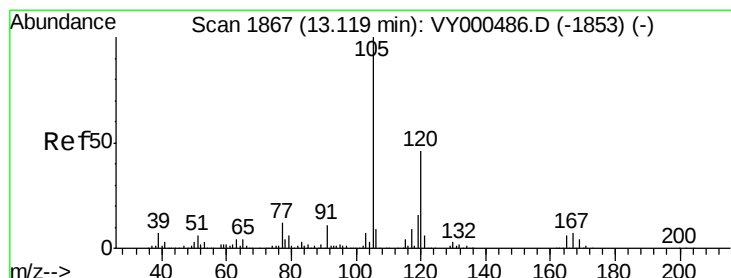
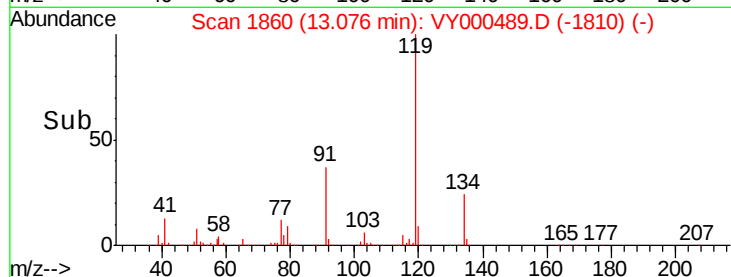
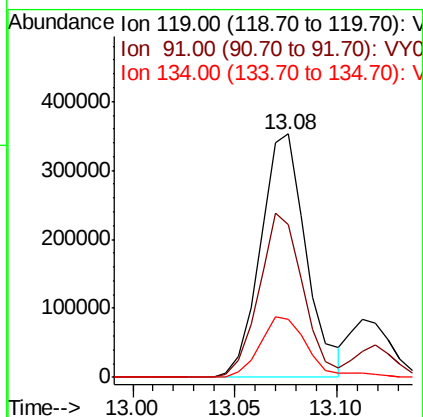
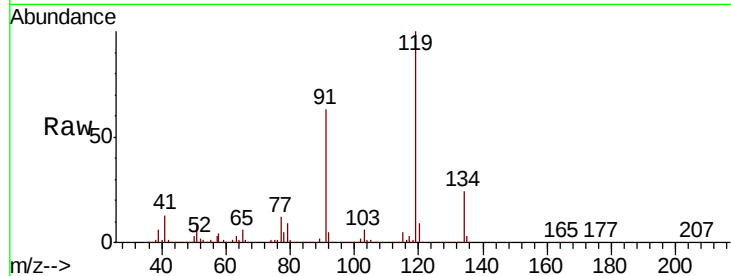




#83
 tert-Butylbenzene
 Concen: 50.960 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

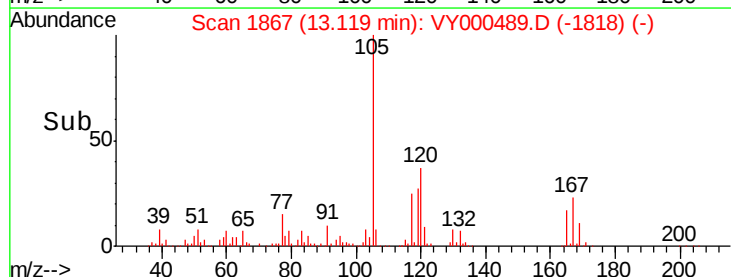
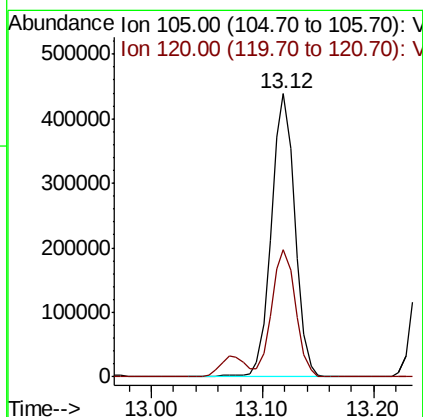
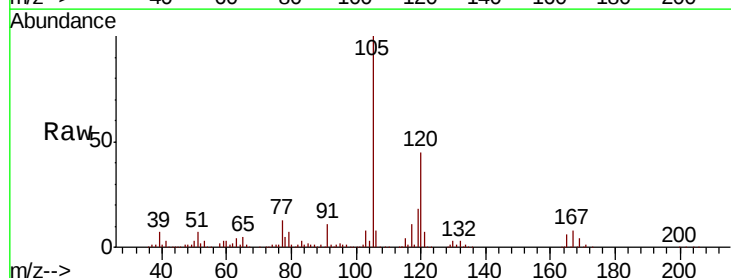
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

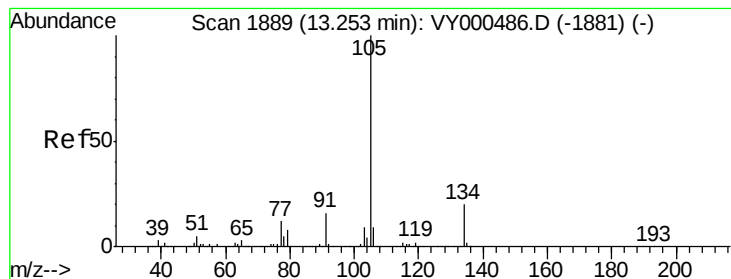
Tot Ion:119 Resp: 549276
 Ion Ratio Lower Upper
 119 100
 91 64.9 32.1 96.3
 134 26.2 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.404 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion:105 Resp: 646098
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.3 69.9





#85

sec-Butylbenzene

Concen: 51.894 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

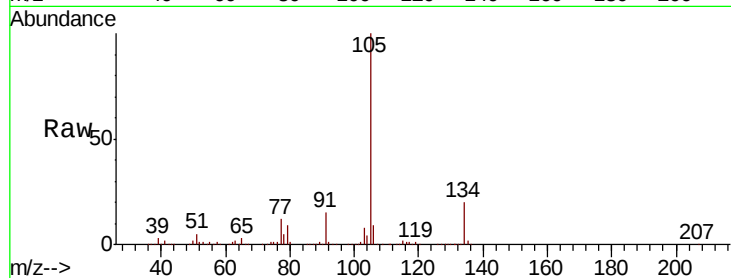
ICVY103019

Tot Ion:105 Resp: 796915

Ion Ratio Lower Upper

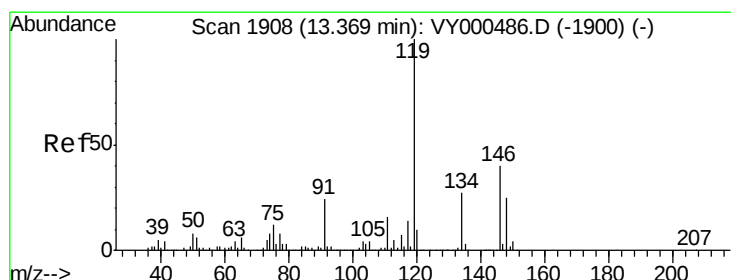
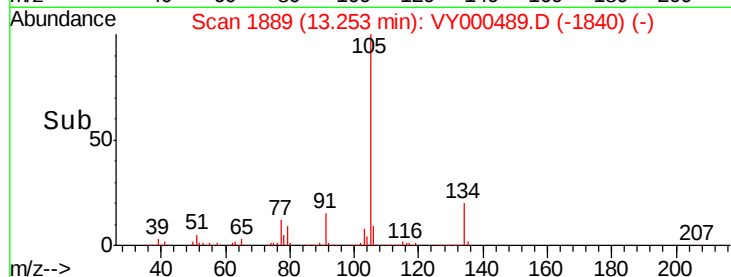
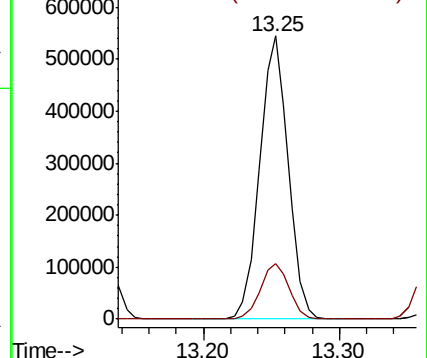
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.043 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

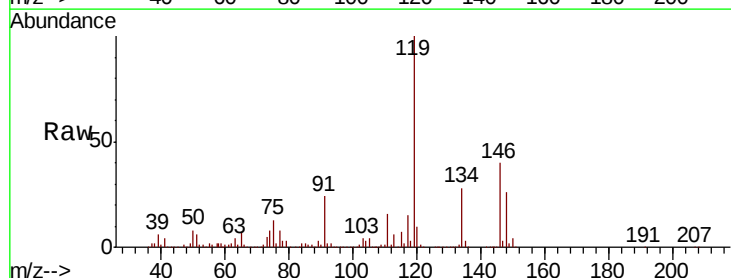
Tgt Ion:119 Resp: 698597

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

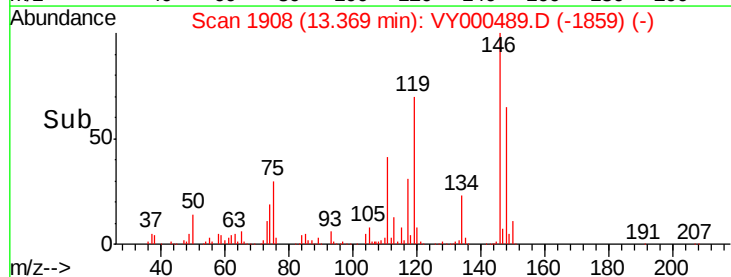
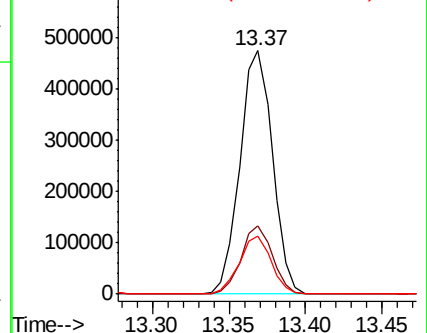
91 23.4 12.0 36.1

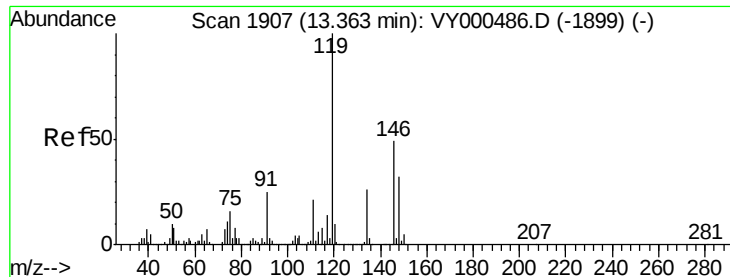


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 49.333 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY103019

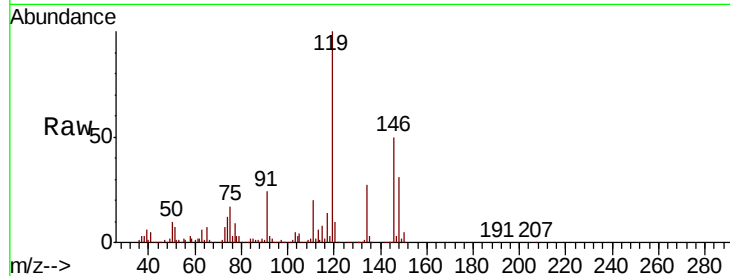
Tot Ion:146 Resp: 332132

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.8

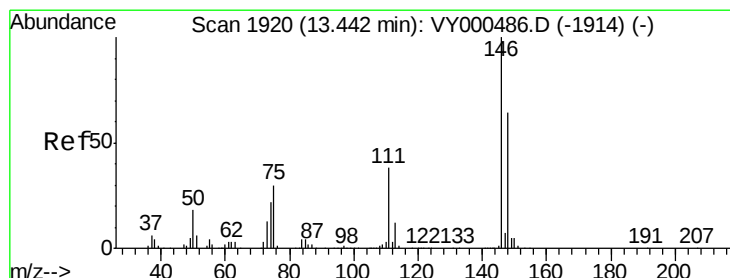
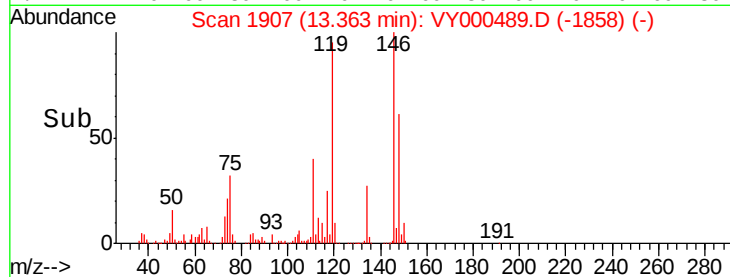
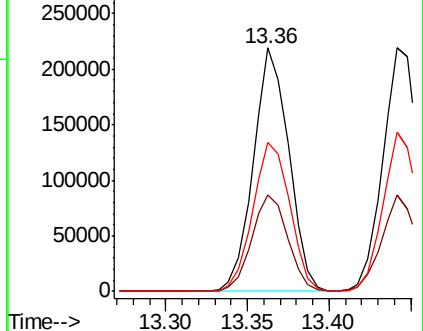
148 63.7 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.949 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

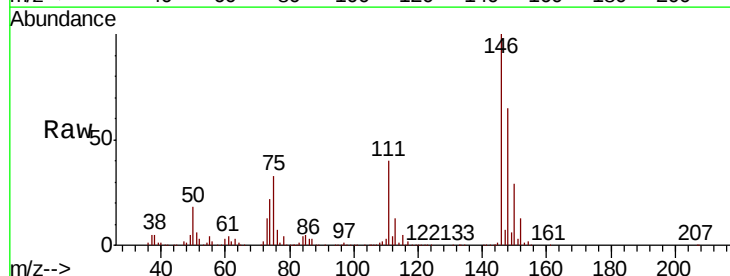
Tgt Ion:146 Resp: 336034

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.0

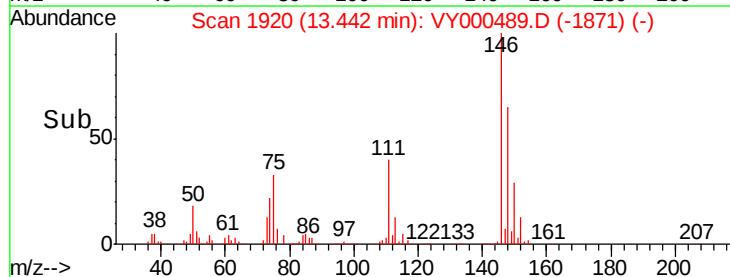
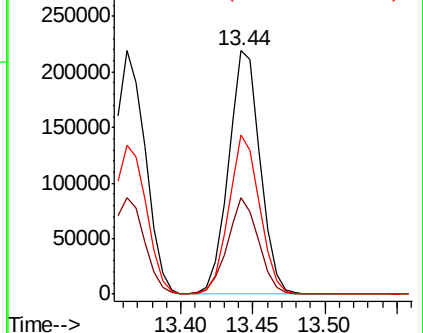
148 63.8 31.9 95.7

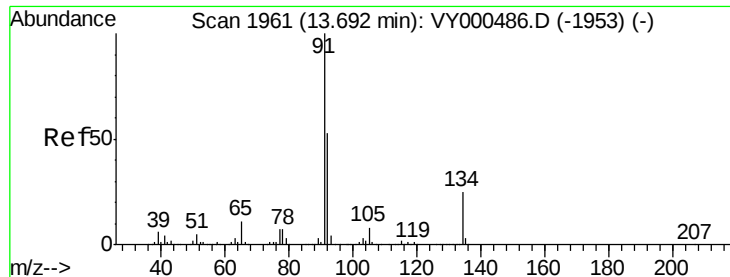


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.355 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY103019

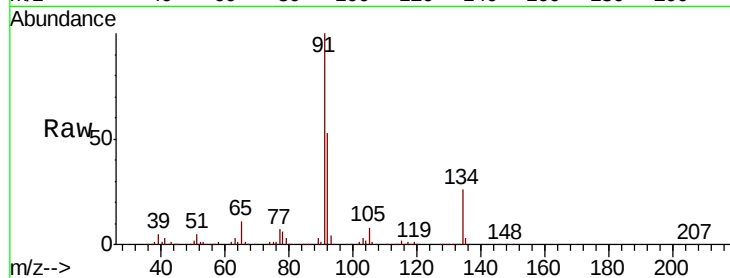
Tot Ion: 91 Resp: 693245

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.3

134 26.1 12.9 38.7

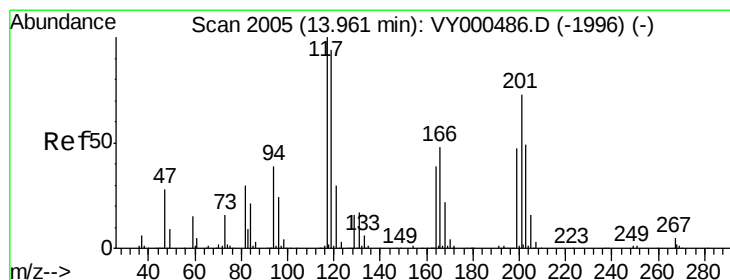
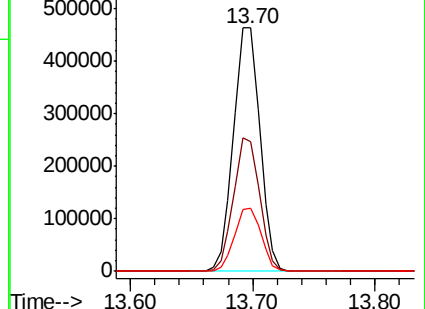
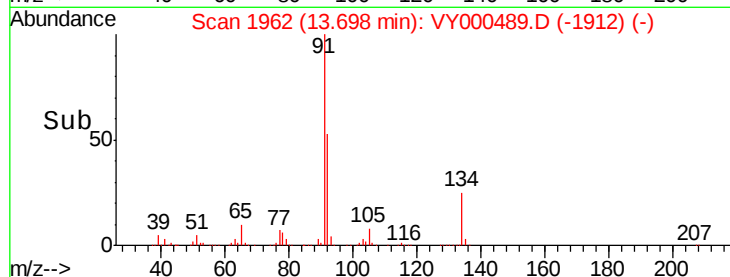


Abundance Ion 91.00 (90.70 to 91.70): VY000489.D (-1953) (-)

Ion 92.00 (91.70 to 92.70): VY000489.D (-1953) (-)

Ion 134.00 (133.70 to 134.70): VY000489.D (-1953) (-)

Time--> 13.60 13.70 13.80



#90

Hexachloroethane

Concen: 51.092 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY000489.D

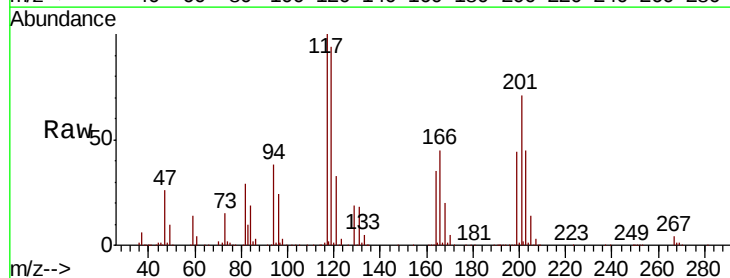
Acq: 30 Oct 2019 13:06

Tgt Ion: 117 Resp: 129274

Ion Ratio Lower Upper

117 100

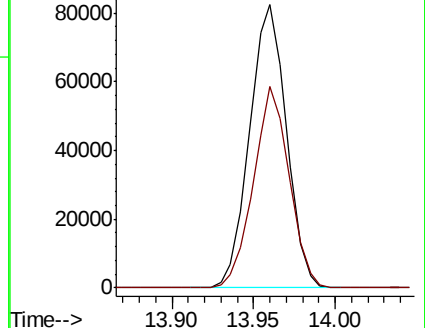
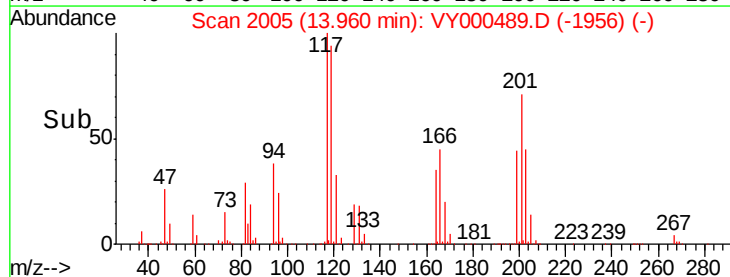
201 68.9 35.8 107.3

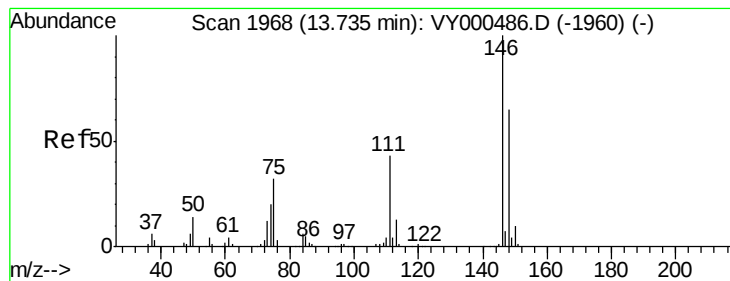


Abundance Ion 116.80 (116.50 to 117.50): VY000489.D (-1956) (-)

Ion 200.70 (200.40 to 201.40): VY000489.D (-1956) (-)

Time--> 13.90 13.95 14.00





#91

1,2-Dichlorobenzene

Concen: 50.286 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

Instrument :

MSVOA_Y

ClientSampleId :

ICVY103019

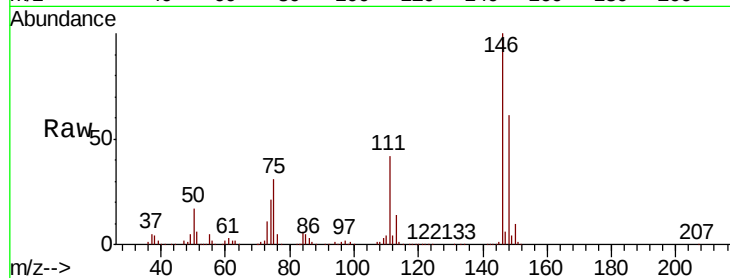
Tot Ion:146 Resp: 307165

Ion Ratio Lower Upper

146 100

111 41.7 20.5 61.5

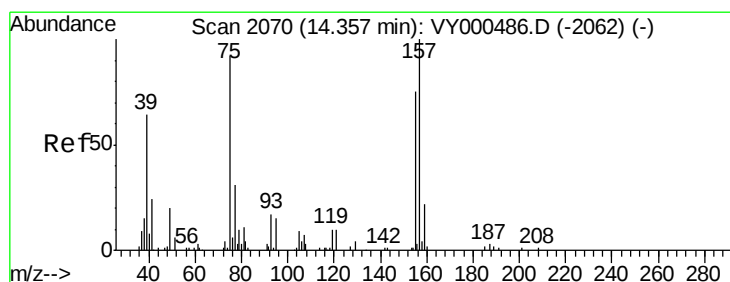
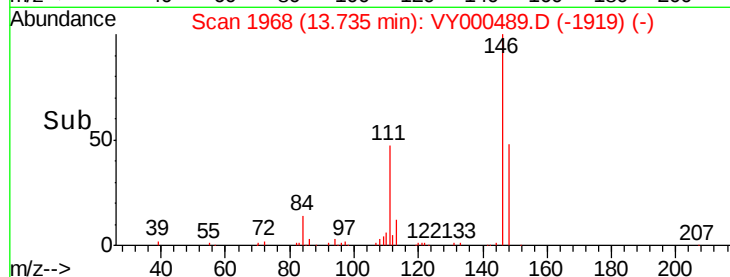
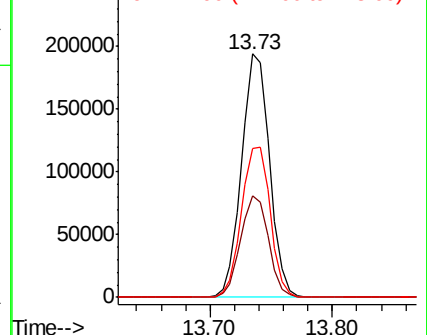
148 63.5 31.7 95.1



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: 50.111 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY000489.D

Acq: 30 Oct 2019 13:06

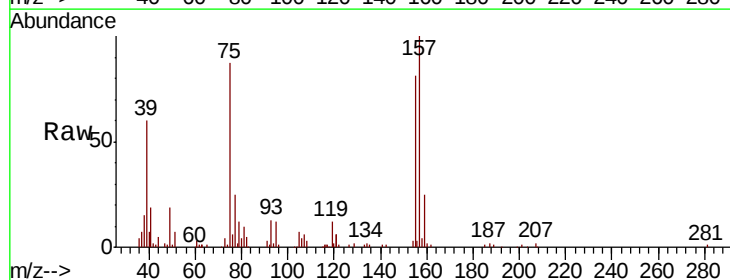
Tgt Ion: 75 Resp: 26616

Ion Ratio Lower Upper

75 100

155 82.9 42.4 127.1

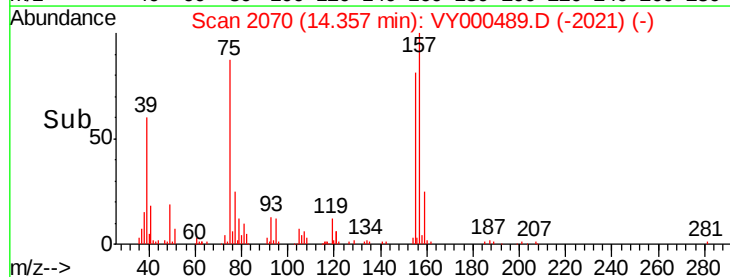
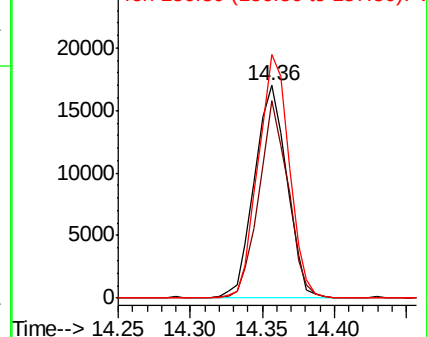
157 108.9 55.1 165.3

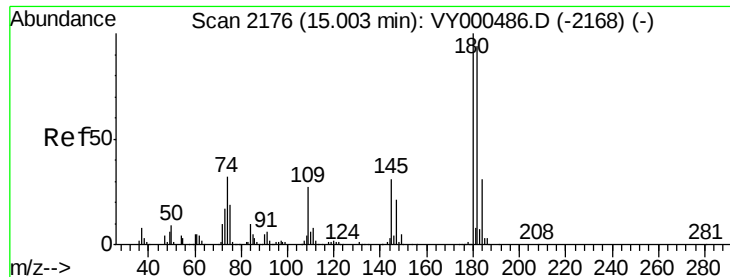


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

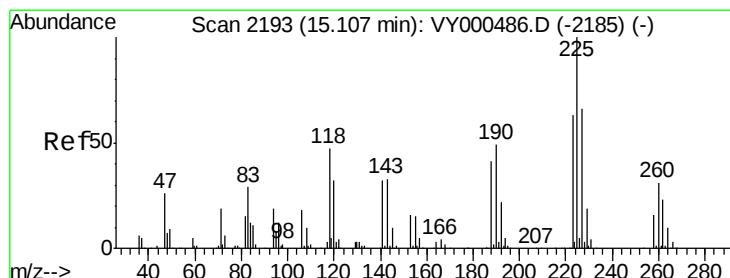
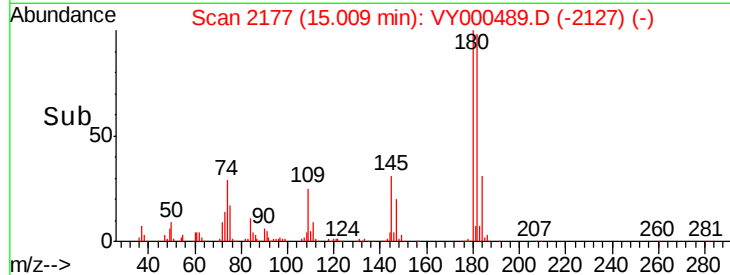
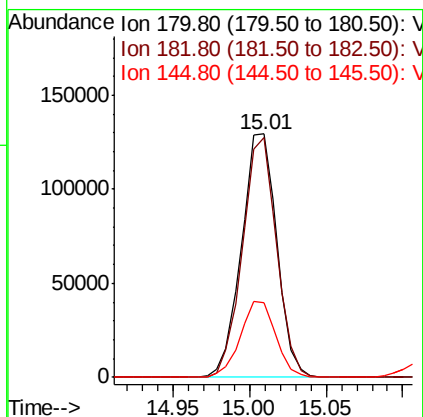
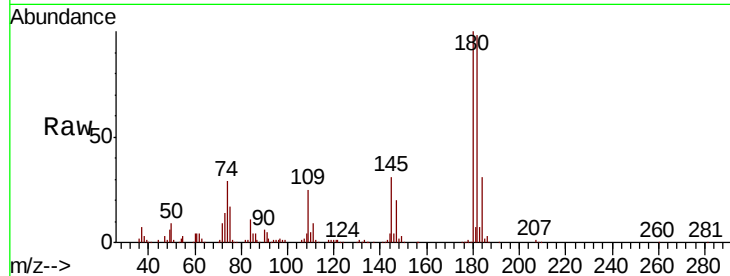




#93
 1,2,4-Trichlorobenzene
 Concen: 49.960 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

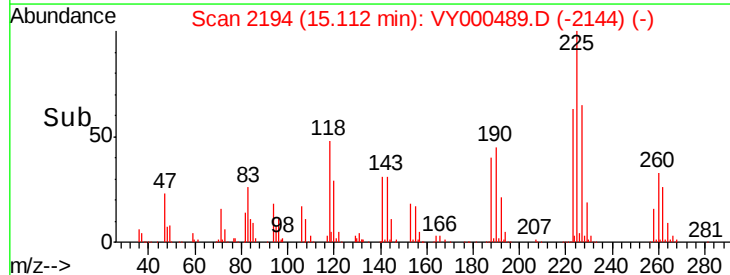
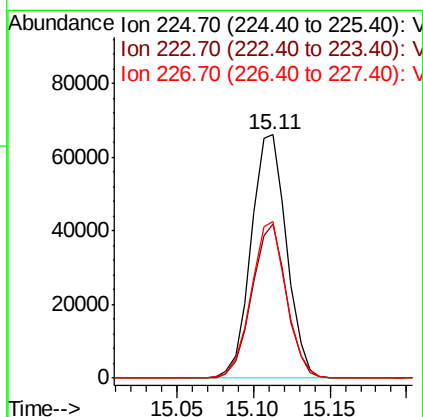
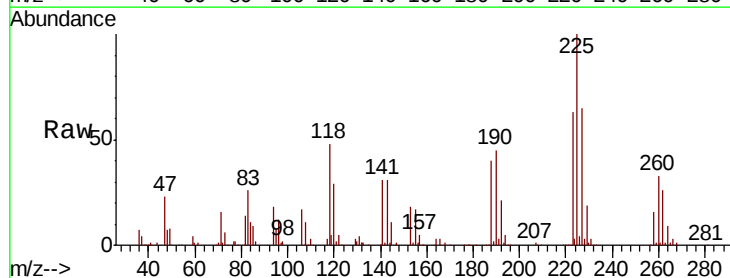
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY103019

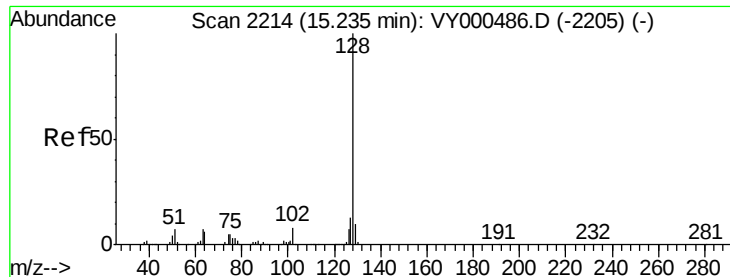
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.4
145	31.4	16.0	47.9



#94
 Hexachlorobutadiene
 Concen: 49.700 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000489.D
 Acq: 30 Oct 2019 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.3	93.8
227	63.4	32.4	97.0

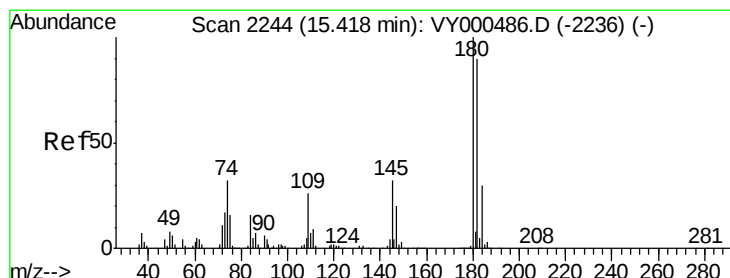
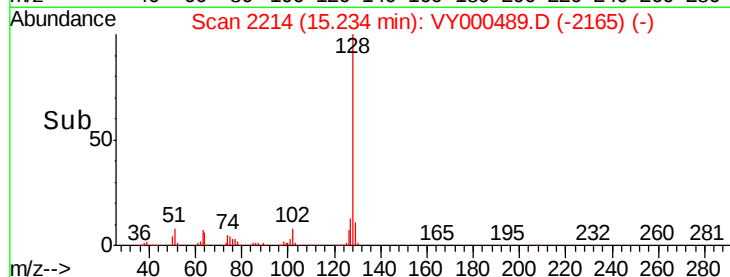
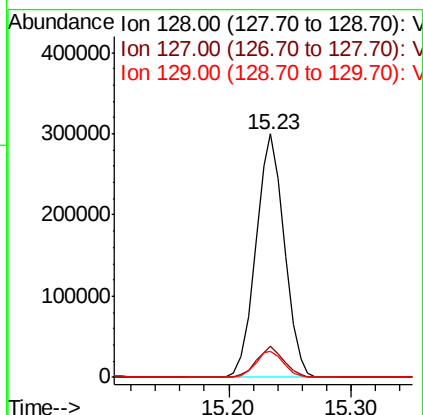
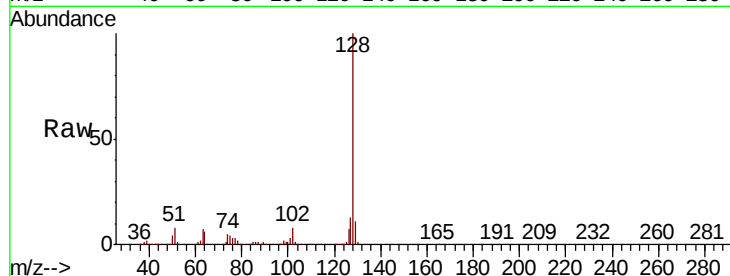




#95
Naphthalene
Concen: 52.478 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Instrument :
MSVOA_Y
ClientSampleId :
ICVY103019

Tot Ion:128 Resp: 484541
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.682 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000489.D
Acq: 30 Oct 2019 13:06

Tgt Ion:180 Resp: 185387
Ion Ratio Lower Upper
180 100
182 96.2 47.4 142.3
145 33.4 15.7 47.0

