

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY103019\
 Data File : VY000485.D
 Acq On : 30 Oct 2019 11:24
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 30 13:13:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:10:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	236185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	383229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	344879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168432	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	48455	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
35) Dibromofluoromethane	7.73	113	47046	20.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.82%	
50) Toluene-d8	10.18	98	161347	18.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.80%	
62) 4-Bromofluorobenzene	12.48	95	67561	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	42953	18.475	ug/l 96
3) Chloromethane	2.12	50	63602	19.858	ug/l 99
4) Vinyl Chloride	2.25	62	57678	19.393	ug/l 91
5) Bromomethane	2.63	94	35997	20.183	ug/l 92
6) Chloroethane	2.79	64	36135	19.412	ug/l 89
7) Trichlorofluoromethane	3.12	101	79191	19.716	ug/l 98
8) Diethyl Ether	3.53	74	27285	19.118	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48380	19.923	ug/l 96
10) Methyl Iodide	4.09	142	51990	18.152	ug/l 98
11) Tert butyl alcohol	4.97	59	23963	100.715	ug/l 99
12) 1,1-Dichloroethene	3.87	96	46612	19.757	ug/l 98
13) Acrolein	3.74	56	19475	93.969	ug/l 90
14) Allyl chloride	4.48	41	73836	19.247	ug/l 99
15) Acrylonitrile	5.18	53	72227	98.791	ug/l 98
16) Acetone	3.95	43	57411	85.224	ug/l 92
17) Carbon Disulfide	4.19	76	145890	19.606	ug/l 98
18) Methyl Acetate	4.49	43	37504	17.905	ug/l 94
19) Methyl tert-butyl Ether	5.24	73	126163	19.233	ug/l 98
20) Methylene Chloride	4.72	84	56463	19.561	ug/l 93
21) trans-1,2-Dichloroethene	5.22	96	52589	19.717	ug/l 86
22) Diisopropyl ether	6.13	45	151922	18.220	ug/l 97
23) Vinyl Acetate	6.07	43	508122	96.536	ug/l 97
24) 1,1-Dichloroethane	6.02	63	86278	19.100	ug/l 97
25) 2-Butanone	7.00	43	98825	91.921	ug/l 92
26) 2,2-Dichloropropane	6.99	77	78250	18.955	ug/l 97
27) cis-1,2-Dichloroethene	7.00	96	57043	19.559	ug/l 97
28) Bromochloromethane	7.34	49	22345	12.247	ug/l # 14
29) Tetrahydrofuran	7.36	42	64476	98.031	ug/l 99
30) Chloroform	7.52	83	87406	19.128	ug/l 97
31) Cyclohexane	7.79	56	88701	18.748	ug/l 95
32) 1,1,1-Trichloroethane	7.71	97	78732	19.332	ug/l 99
36) 1,1-Dichloropropene	7.93	75	70987	19.594	ug/l 97
37) Ethyl Acetate	7.08	43	45165	20.998	ug/l # 94
38) Carbon Tetrachloride	7.91	117	70575	20.245	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	91356	19.519	ug/l	98
40) Benzene	8.17	78	208262	19.608	ug/l	97
41) Methacrylonitrile	7.35	41	58551	48.814	ug/l #	7
42) 1,2-Dichloroethane	8.25	62	60321	20.024	ug/l	100
43) Isopropyl Acetate	8.28	43	80226	19.856	ug/l	99
44) Trichloroethene	8.95	130	57770	20.629	ug/l	83
45) 1,2-Dichloropropane	9.22	63	50339	19.257	ug/l	92
46) Dibromomethane	9.32	93	28767	20.009	ug/l	97
47) Bromodichloromethane	9.50	83	66263	19.425	ug/l	95
48) Methyl methacrylate	9.30	41	35808	20.283	ug/l	95
49) 1,4-Dioxane	9.30	88	8196	423.591	ug/l #	92
51) 4-Methyl-2-Pentanone	10.08	43	212186	98.773	ug/l	98
52) Toluene	10.25	92	133707	19.911	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	69533	19.076	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	79831	19.118	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	39941	19.208	ug/l	96
56) Ethyl methacrylate	10.51	69	56898	19.306	ug/l	98
57) 1,3-Dichloropropane	10.79	76	71814	19.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	129569	97.244	ug/l	100
59) 2-Hexanone	10.83	43	151297	96.664	ug/l	99
60) Dibromochloromethane	10.99	129	46550	19.544	ug/l	100
61) 1,2-Dibromoethane	11.09	107	39770	19.891	ug/l	99
64) Tetrachloroethene	10.72	164	57870	20.293	ug/l	97
65) Chlorobenzene	11.52	112	138413	19.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	47699	19.669	ug/l	98
67) Ethyl Benzene	11.60	91	251663	19.556	ug/l	99
68) m/p-Xylenes	11.70	106	192263	38.601	ug/l	97
69) o-Xylene	12.03	106	92183	19.693	ug/l	97
70) Styrene	12.04	104	153443	19.143	ug/l	99
71) Bromoform	12.20	173	27176	19.484	ug/l #	100
73) Isopropylbenzene	12.33	105	242223	19.458	ug/l	100
74) N-amyl acetate	12.14	43	69559	19.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	47963	19.459	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	65661	21.080	ug/l #	100
77) Bromobenzene	12.61	156	55737	19.744	ug/l	97
78) n-propylbenzene	12.67	91	294835	19.629	ug/l	98
79) 2-Chlorotoluene	12.75	91	162863	19.531	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	208130	20.075	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	16216	18.958	ug/l	95
82) 4-Chlorotoluene	12.85	91	169385	19.597	ug/l	99
83) tert-Butylbenzene	13.07	119	174147	19.673	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	204184	19.780	ug/l	99
85) sec-Butylbenzene	13.25	105	248110	19.673	ug/l	99
86) p-Isopropyltoluene	13.37	119	224920	20.010	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	108267	19.581	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	109486	19.816	ug/l	99
89) n-Butylbenzene	13.69	91	217283	19.599	ug/l	99
90) Hexachloroethane	13.95	117	40602	19.539	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	99840	19.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8559	19.621	ug/l	98

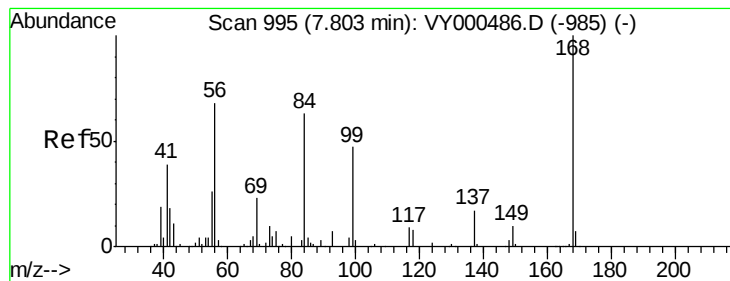
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QLast Update : Wed Oct 30 13:10:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	69548	20.360	ug/l	97
94) Hexachlorobutadiene	15.11	225	36526	20.744	ug/l	97
95) Naphthalene	15.23	128	152819	20.153	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	60973	19.896	ug/l	99

(#) = 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: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

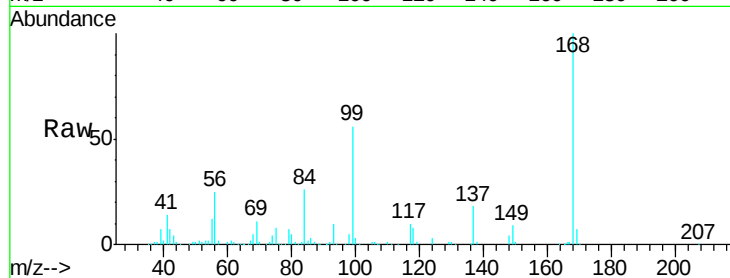
VSTDIC020

Tgt Ion:168 Resp: 236185

Ion Ratio Lower Upper

168 100

99 56.1 45.7 68.5



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

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

7.80

100000

80000

60000

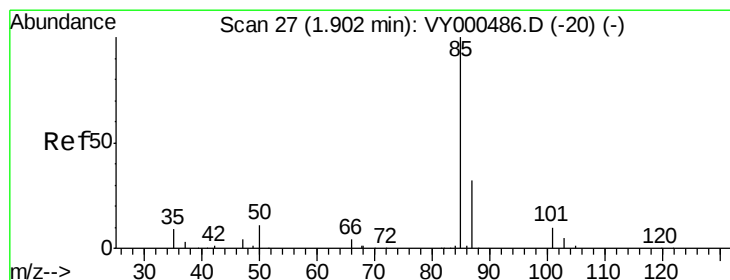
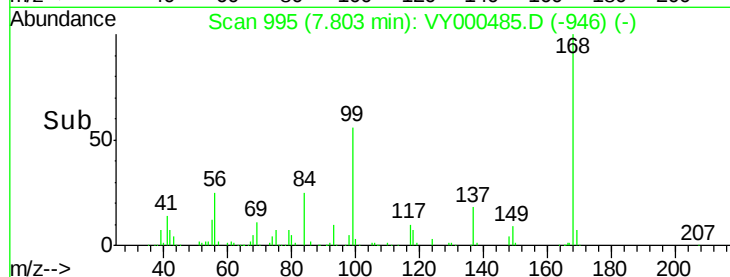
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.475 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000485.D

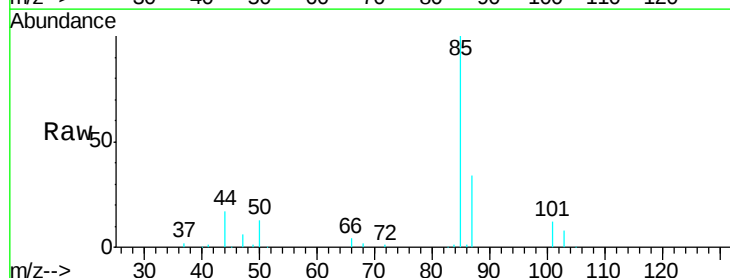
Acq: 30 Oct 2019 11:24

Tgt Ion: 85 Resp: 42953

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.7



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

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

1.90

30000

25000

20000

15000

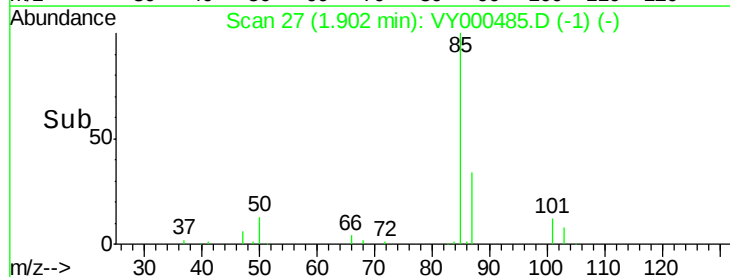
10000

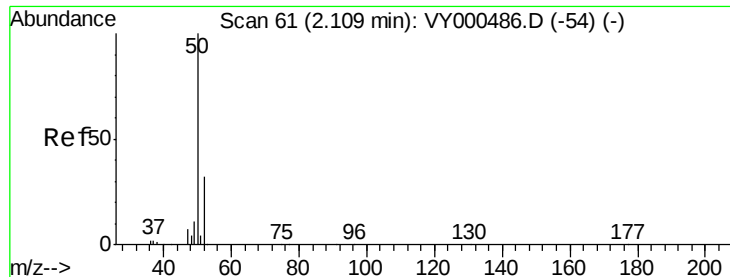
5000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.858 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

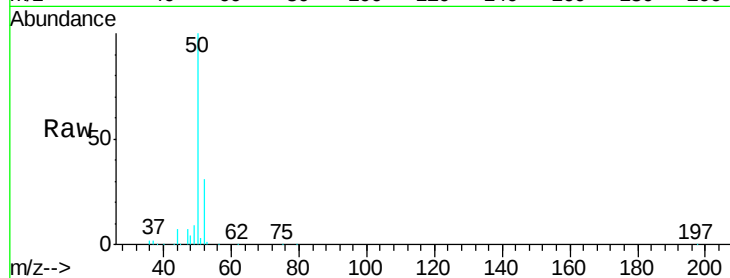
VSTDIC020

Tgt Ion: 50 Resp: 63602

Ion Ratio Lower Upper

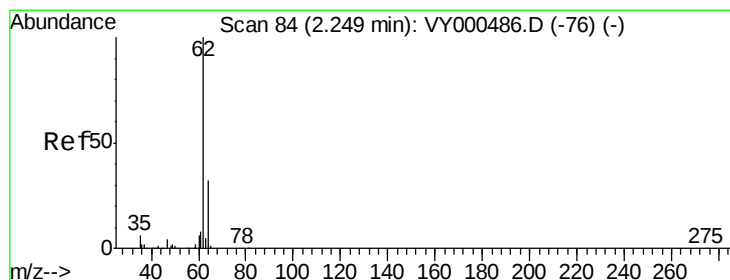
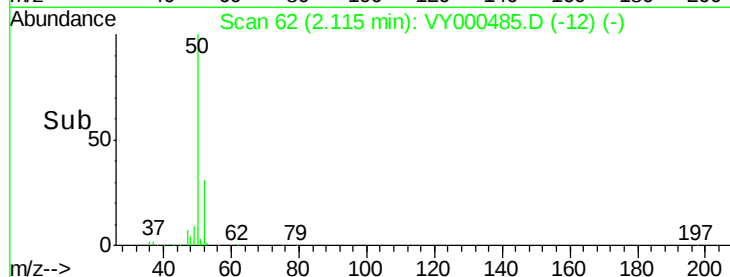
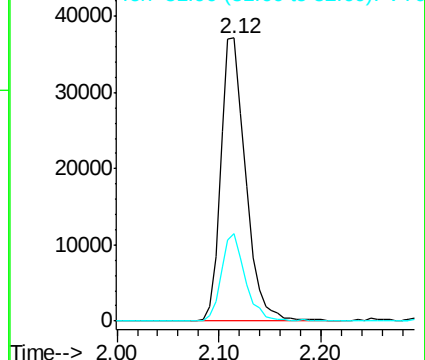
50 100

52 30.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.393 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000485.D

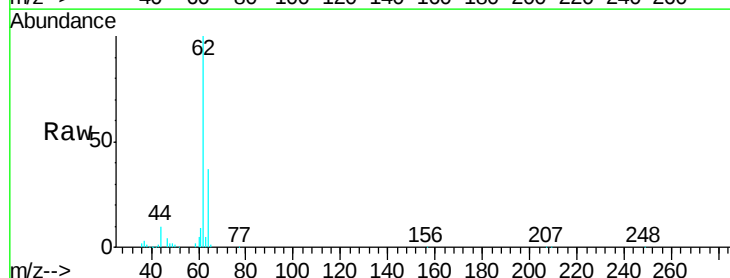
Acq: 30 Oct 2019 11:24

Tgt Ion: 62 Resp: 57678

Ion Ratio Lower Upper

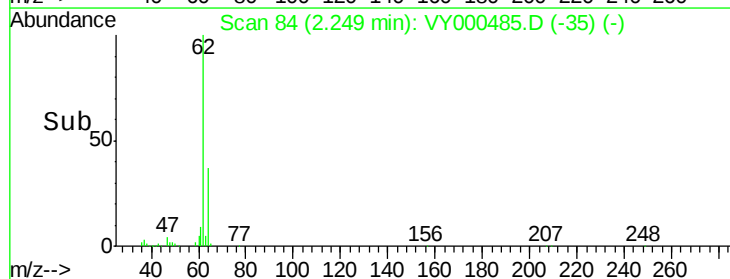
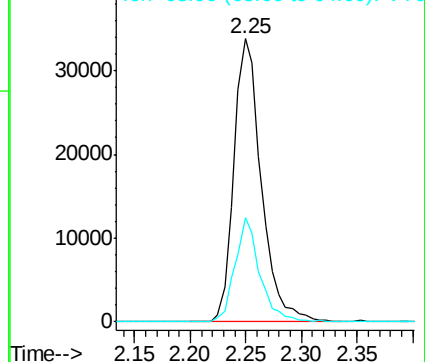
62 100

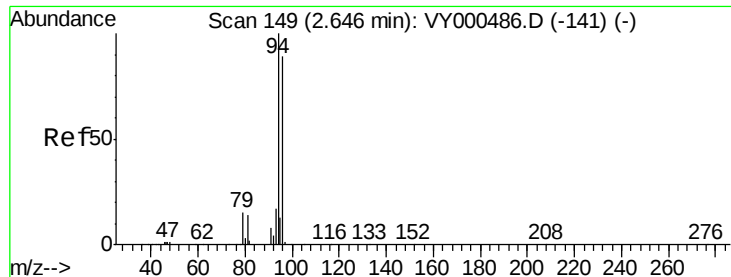
64 36.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.183 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

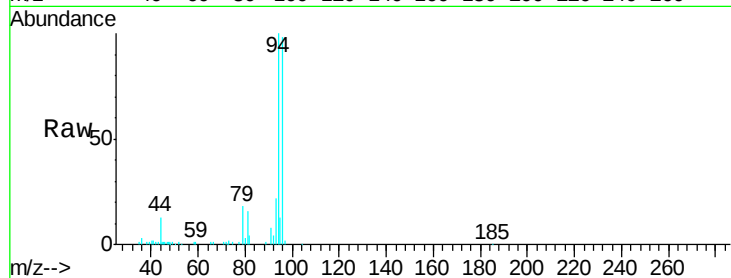
VSTDIC020

Tgt Ion: 94 Resp: 35997

Ion Ratio Lower Upper

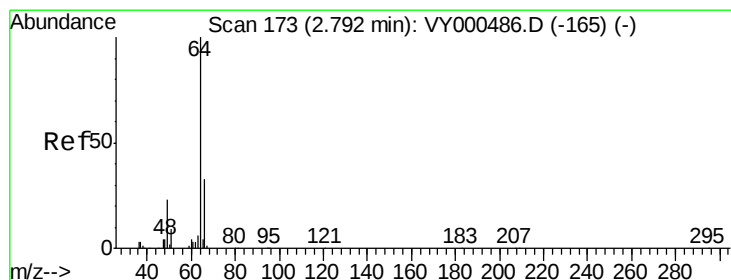
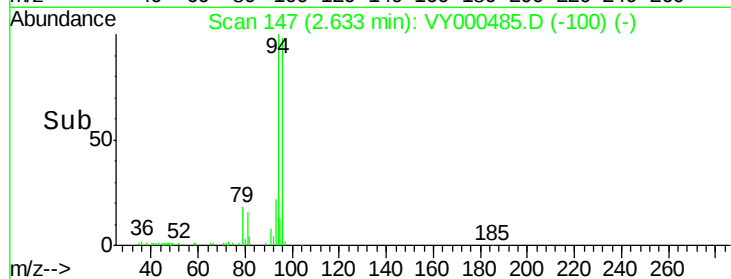
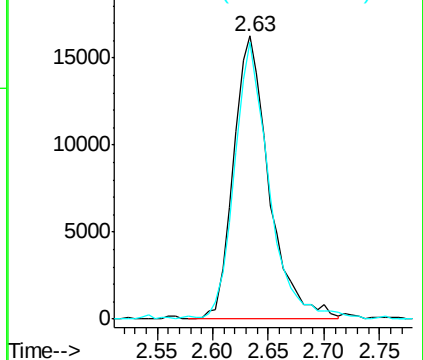
94 100

96 96.6 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: 19.412 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000485.D

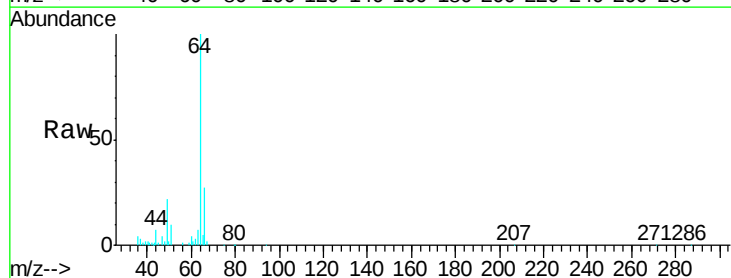
Acq: 30 Oct 2019 11:24

Tgt Ion: 64 Resp: 36135

Ion Ratio Lower Upper

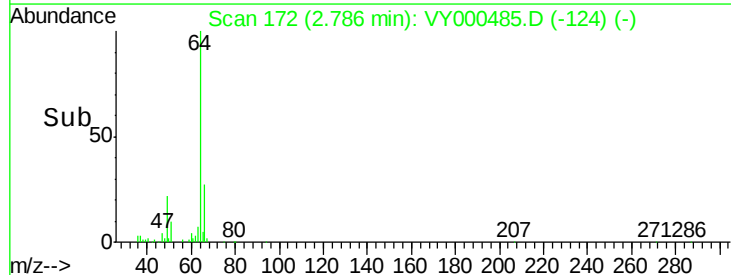
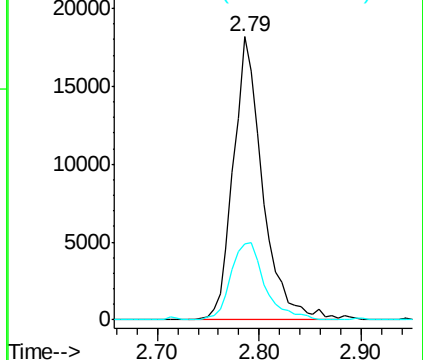
64 100

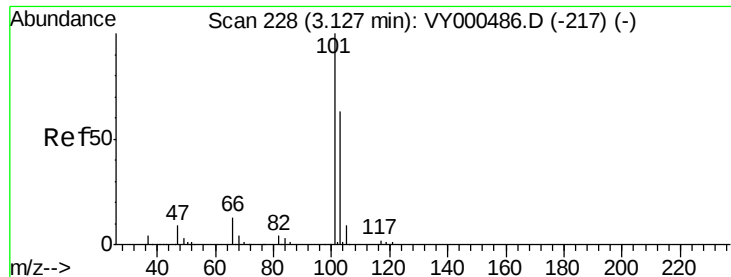
66 27.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



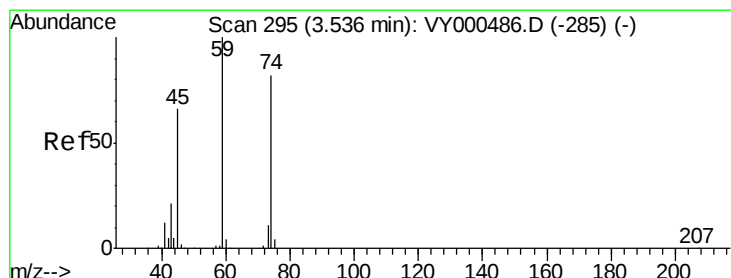
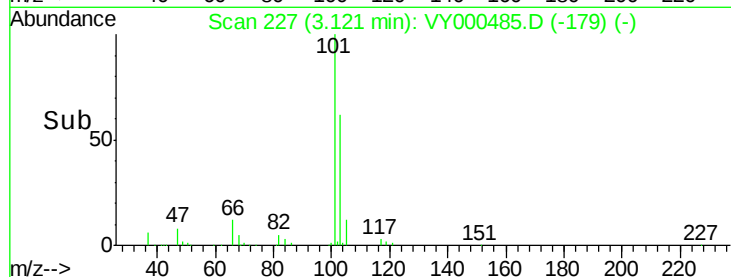
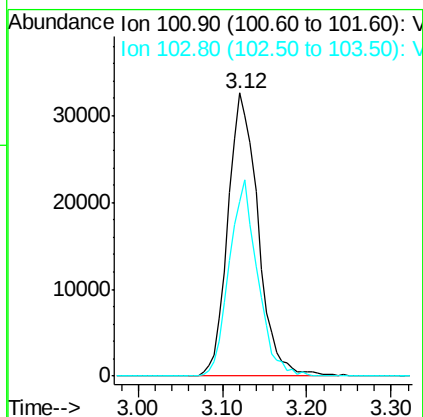
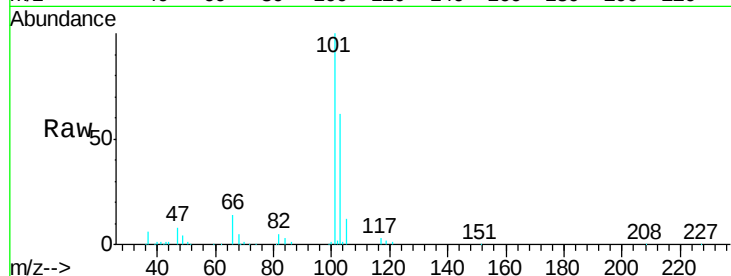


#7

Trichlorofluoromethane
 Concen: 19.716 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
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 VSTDIC020

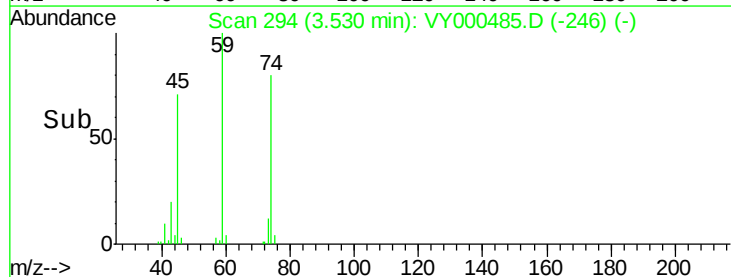
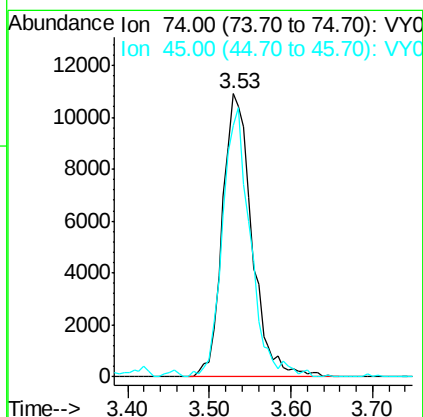
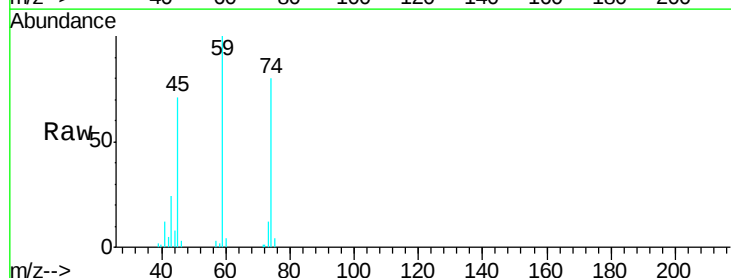
Tgt Ion:101 Resp: 79191
 Ion Ratio Lower Upper
 101 100
 103 61.7 50.5 75.7

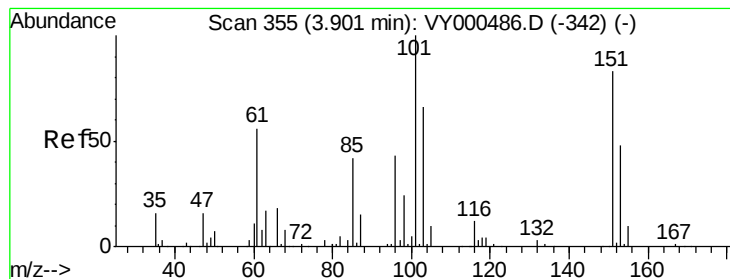


#8

Diethyl Ether
 Concen: 19.118 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 74 Resp: 27285
 Ion Ratio Lower Upper
 74 100
 45 87.6 45.5 136.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.923 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

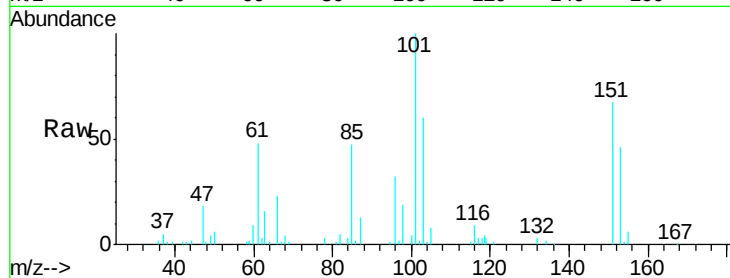
Tgt Ion:101 Resp: 48380

Ion Ratio Lower Upper

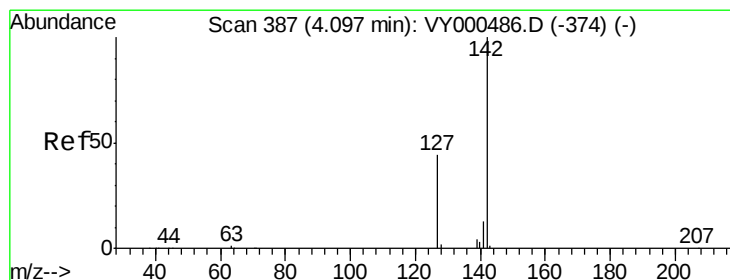
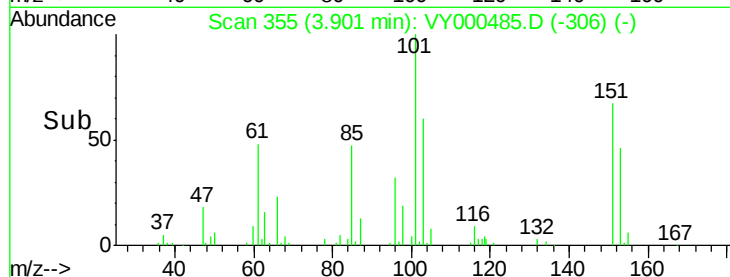
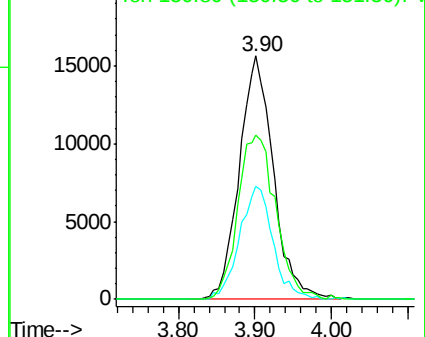
101 100

85 45.3 36.7 55.1

151 74.9 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: 18.152 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

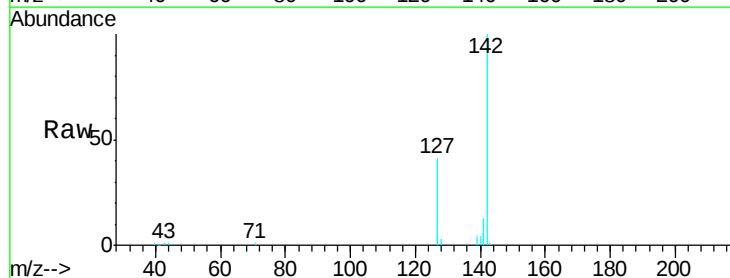
Tgt Ion:142 Resp: 51990

Ion Ratio Lower Upper

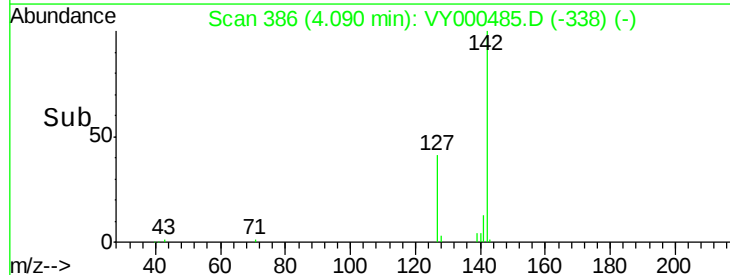
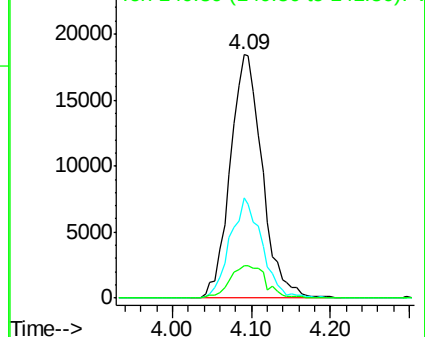
142 100

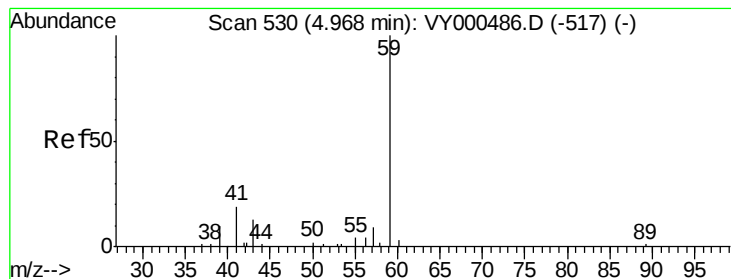
127 41.2 33.7 50.5

141 14.9 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



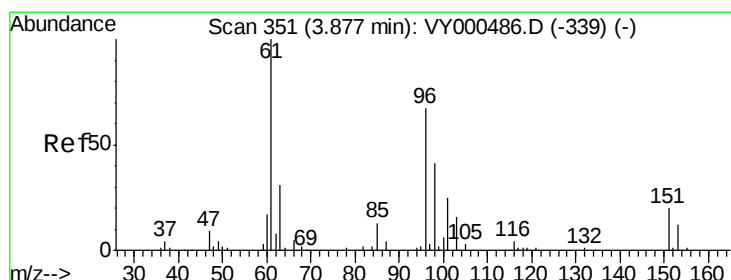
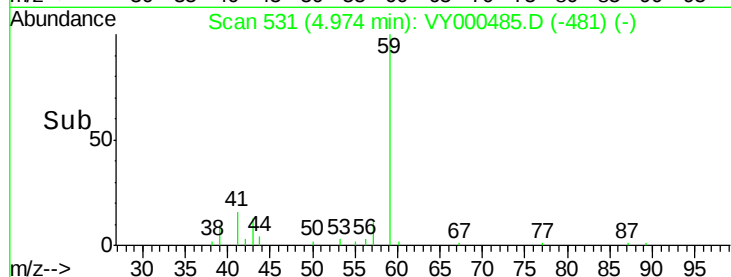
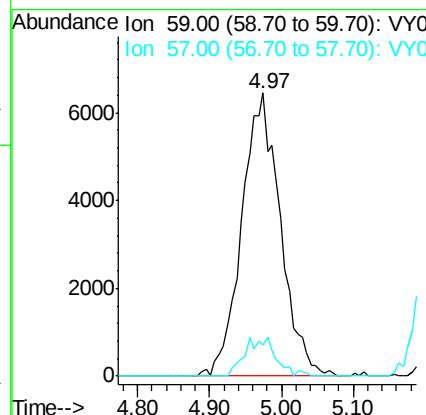
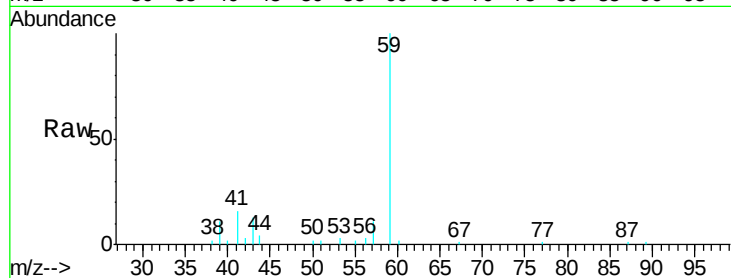


#11

Tert butyl alcohol
 Concen: 100.715 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

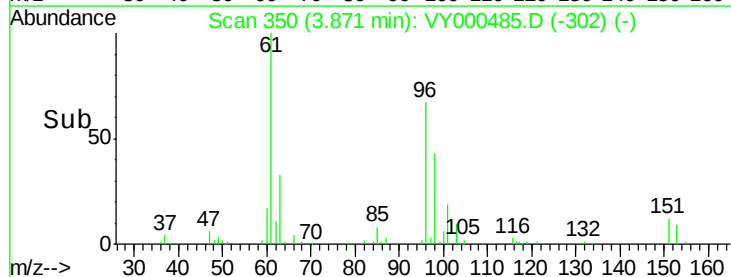
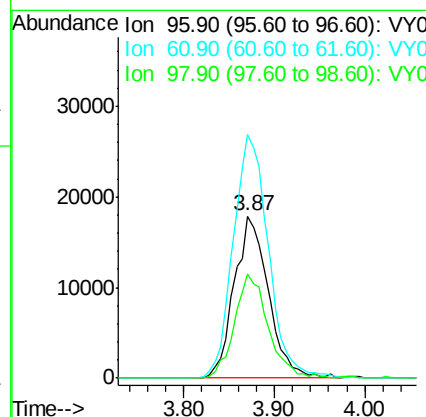
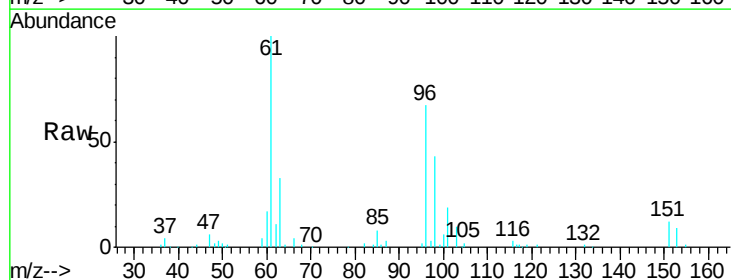
Tgt Ion: 59 Resp: 23963
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 12.8

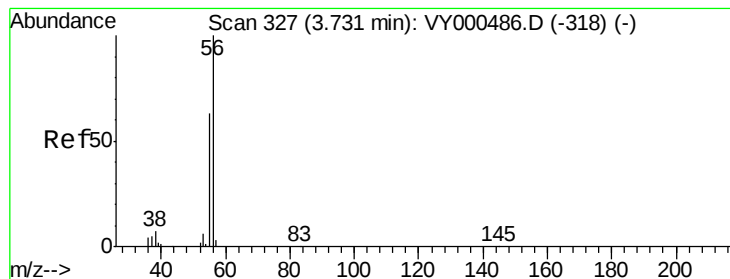


#12

1,1-Dichloroethene
 Concen: 19.757 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 96 Resp: 46612
 Ion Ratio Lower Upper
 96 100
 61 150.2 119.2 178.8
 98 64.6 48.6 73.0





#13

Acrolein

Concen: 93.969 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

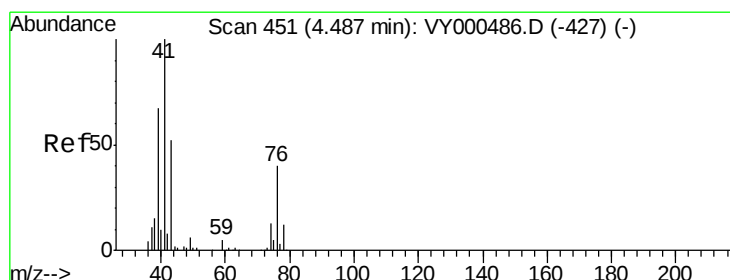
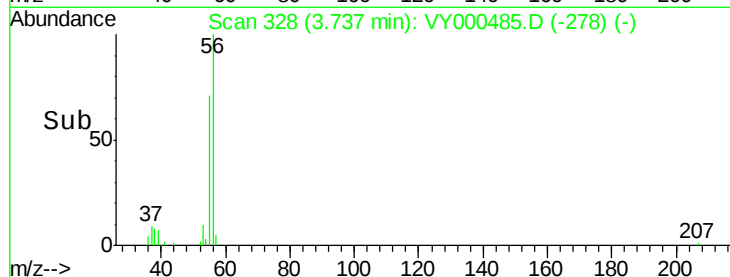
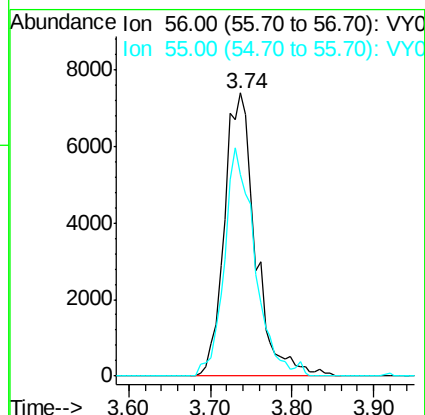
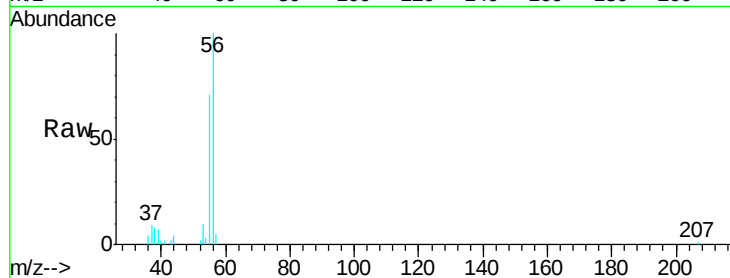
VSTDIC020

Tgt Ion: 56 Resp: 19475

Ion Ratio Lower Upper

56 100

55 79.3 57.0 85.6



#14

Allyl chloride

Concen: 19.247 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

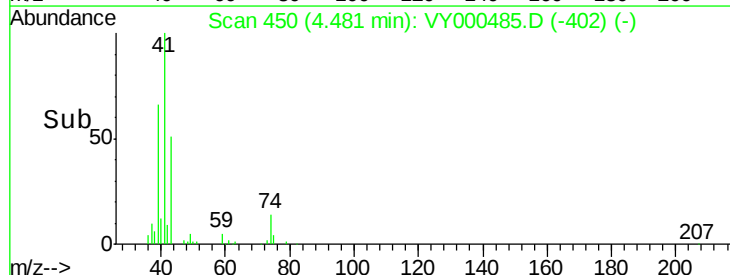
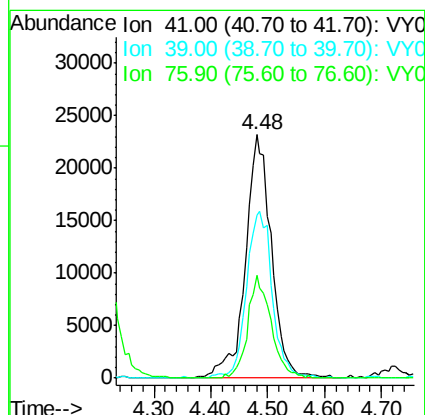
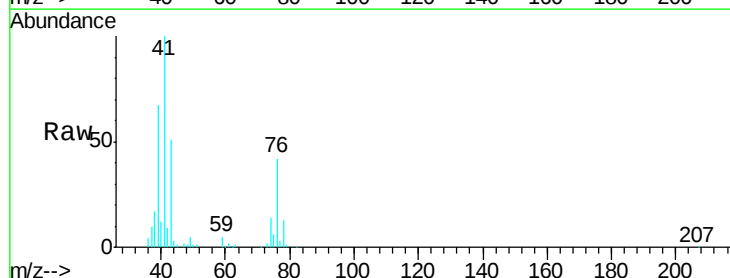
Tgt Ion: 41 Resp: 73836

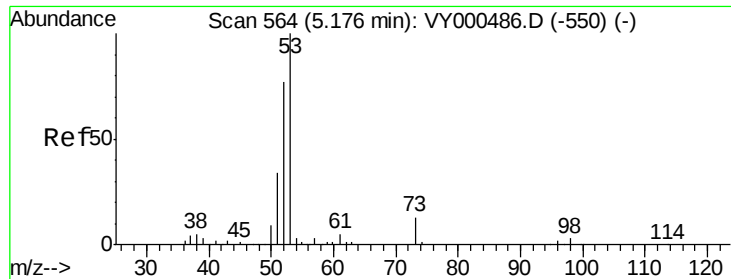
Ion Ratio Lower Upper

41 100

39 67.8 53.6 80.4

76 37.7 29.8 44.6





#15

Acrylonitrile

Concen: 98.791 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

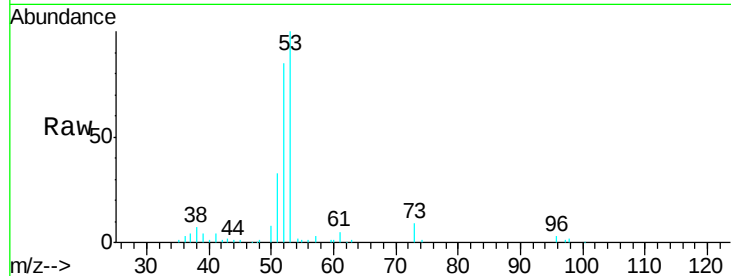
Tgt Ion: 53 Resp: 72227

Ion Ratio Lower Upper

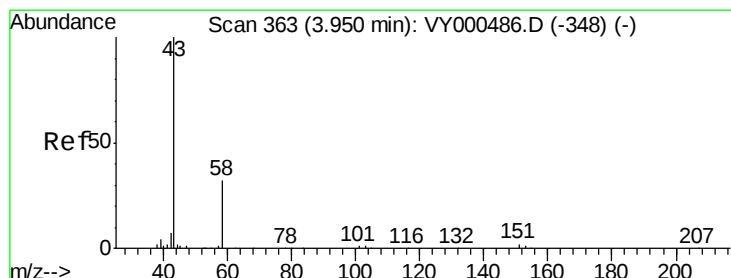
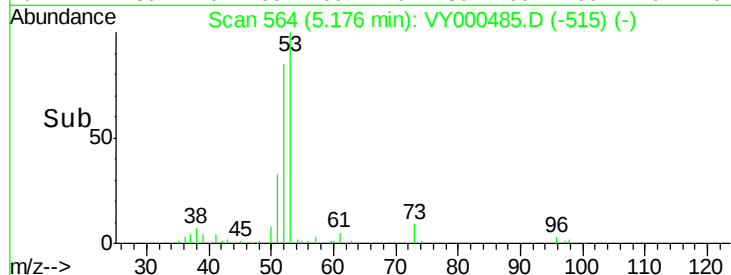
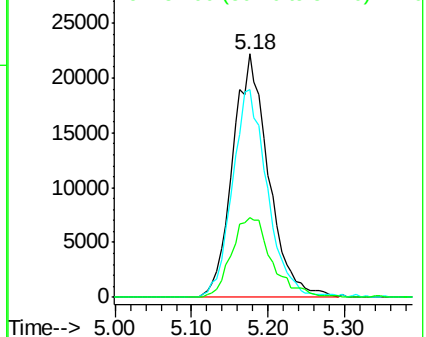
53 100

52 82.6 64.9 97.3

51 36.7 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: 85.224 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY000485.D

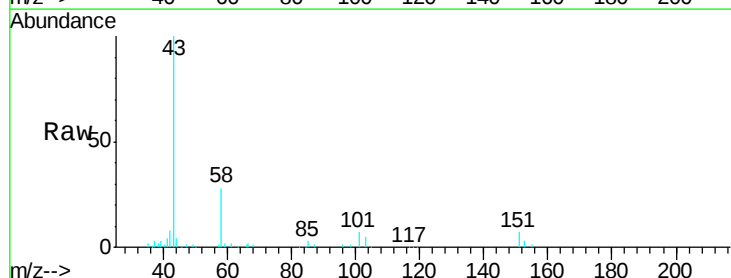
Acq: 30 Oct 2019 11:24

Tgt Ion: 43 Resp: 57411

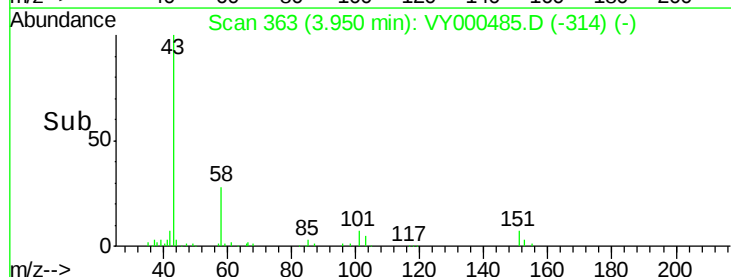
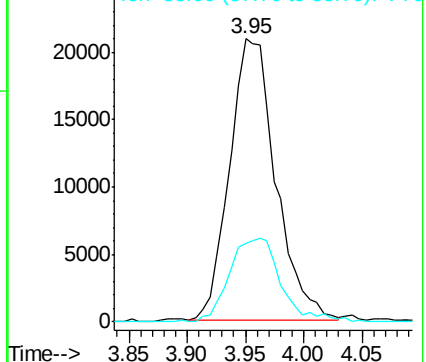
Ion Ratio Lower Upper

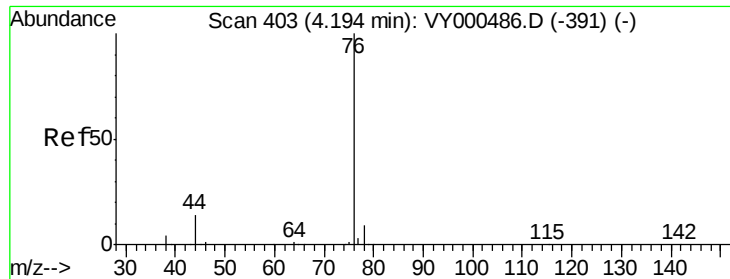
43 100

58 27.7 25.8 38.6



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

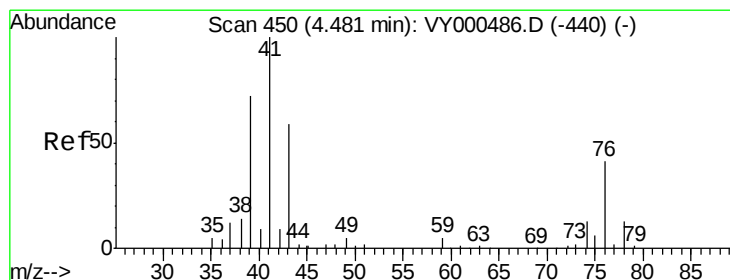
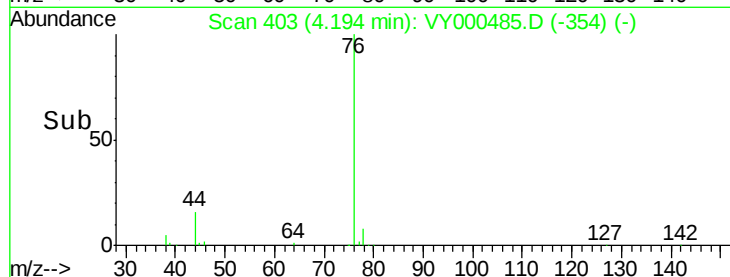
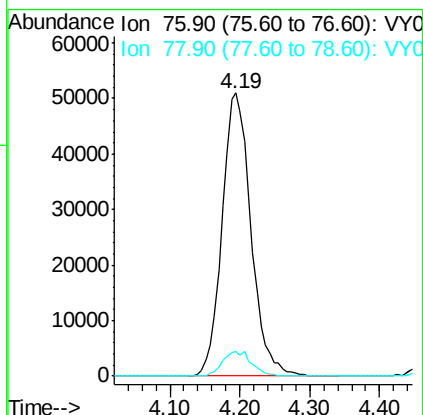
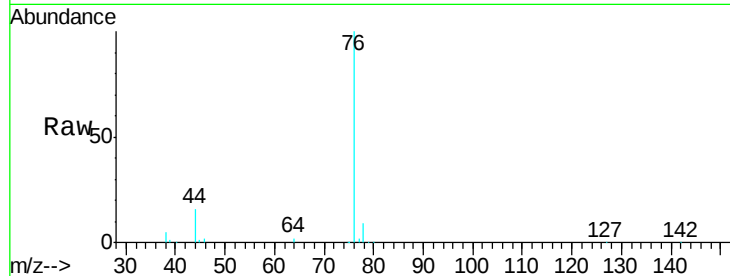




#17
Carbon Disulfide
Concen: 19.606 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

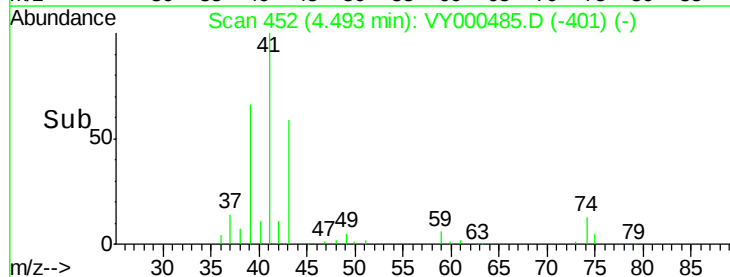
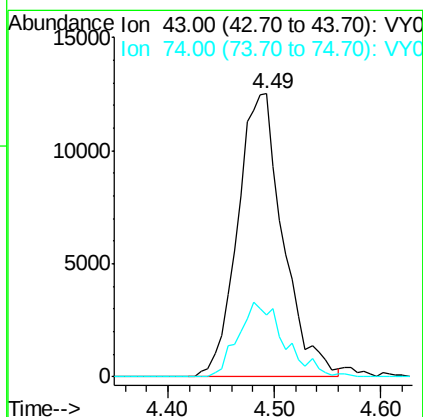
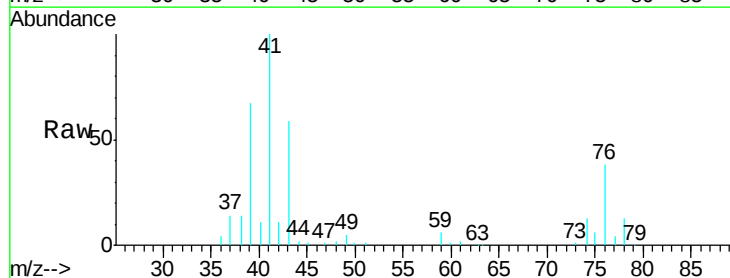
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

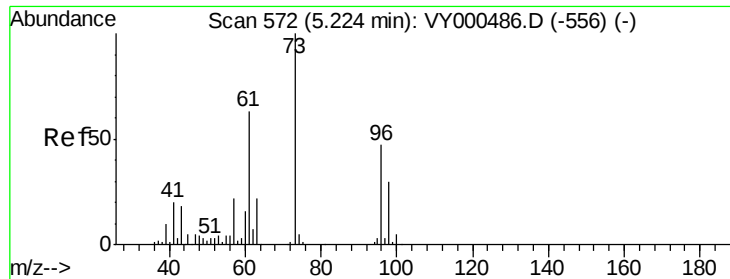
Tgt Ion: 76 Resp: 145890
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 17.905 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 43 Resp: 37504
Ion Ratio Lower Upper
43 100
74 26.8 19.2 28.8

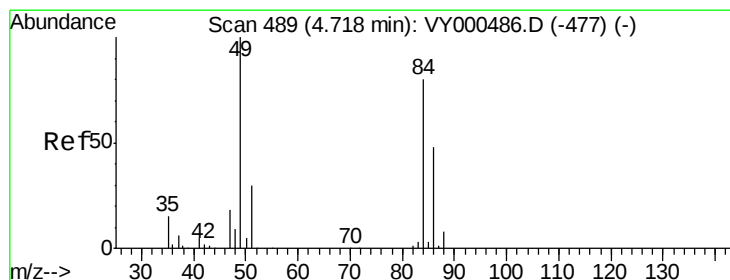
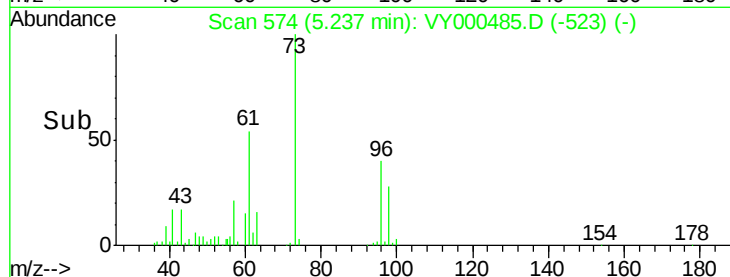
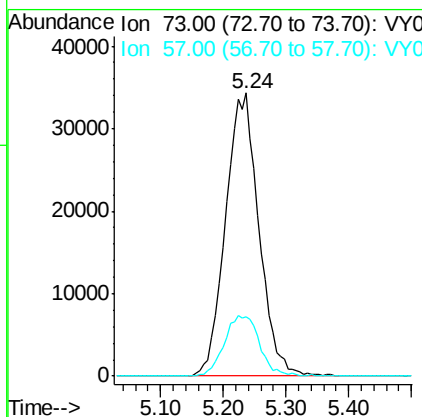
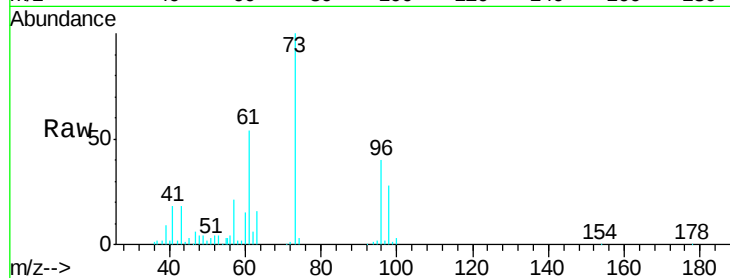




#19
Methyl tert-butyl Ether
Concen: 19.233 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

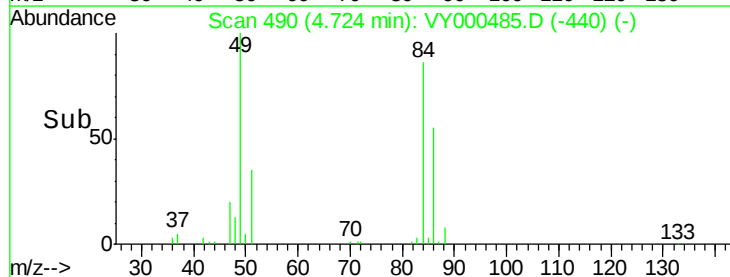
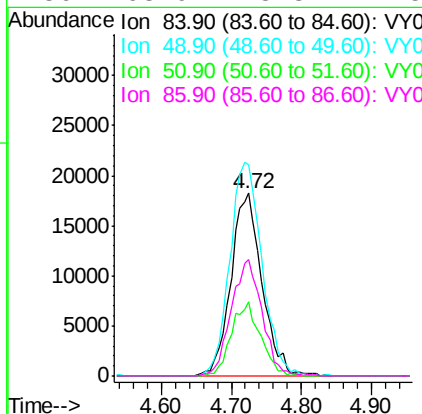
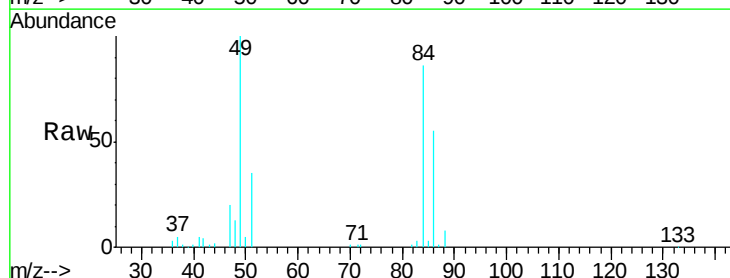
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

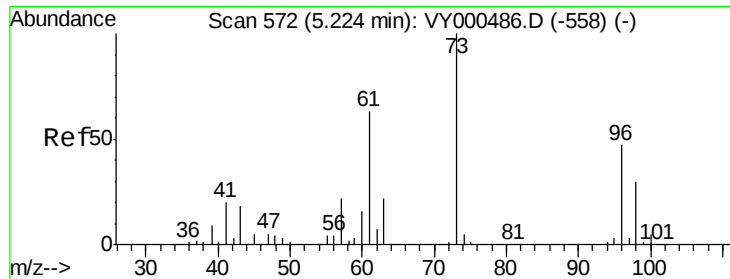
Tgt Ion: 73 Resp: 126163
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0



#20
Methylene Chloride
Concen: 19.561 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 84 Resp: 56463
Ion Ratio Lower Upper
84 100
49 115.8 100.2 150.4
51 40.8 29.6 44.4
86 63.9 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 19.717 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

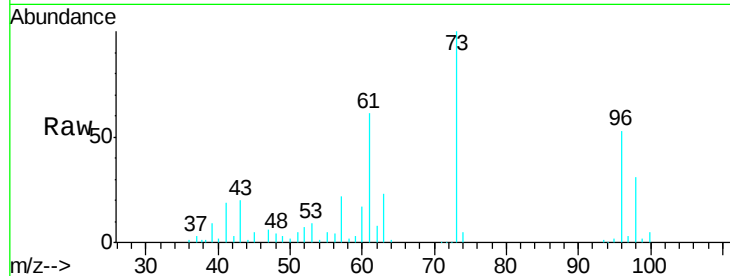
Tgt Ion: 96 Resp: 52589

Ion Ratio Lower Upper

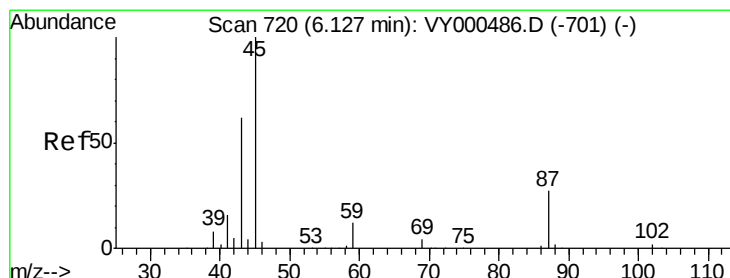
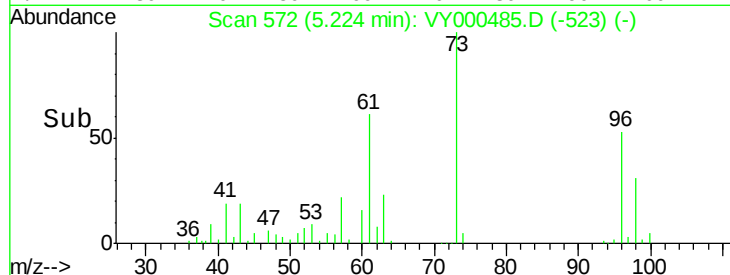
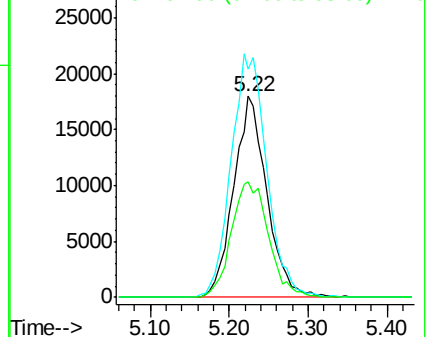
96 100

61 113.6 106.6 160.0

98 57.6 50.6 76.0



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



#22

Diisopropyl ether

Concen: 18.220 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion: 45 Resp: 151922

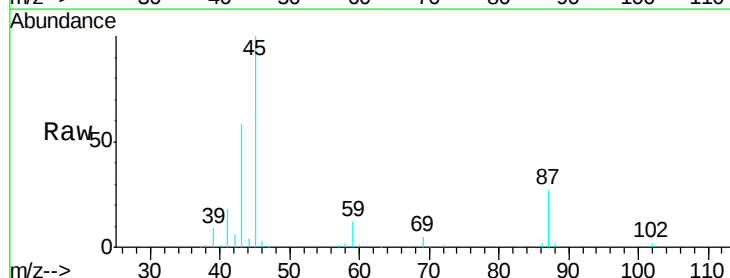
Ion Ratio Lower Upper

45 100

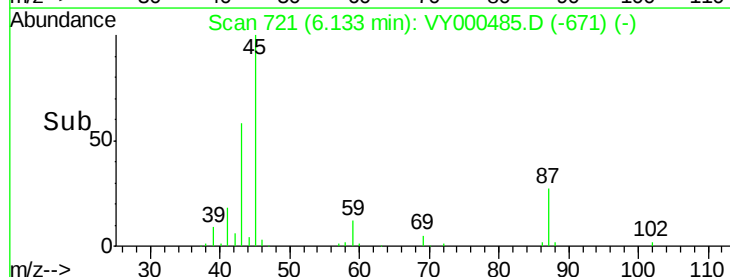
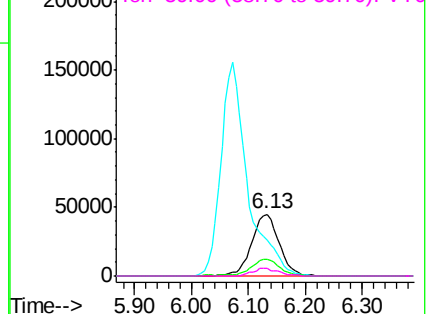
43 58.4 50.0 75.0

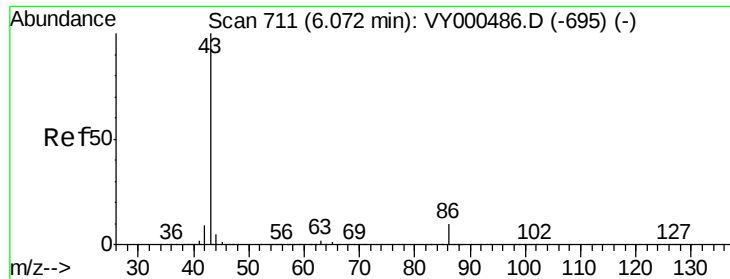
87 26.8 21.6 32.4

59 11.7 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: 96.536 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

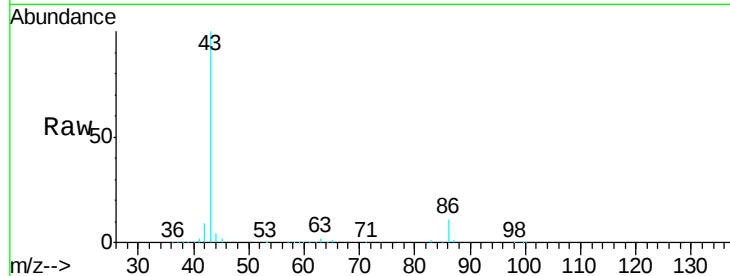
VSTDIC020

Tgt Ion: 43 Resp: 508122

Ion Ratio Lower Upper

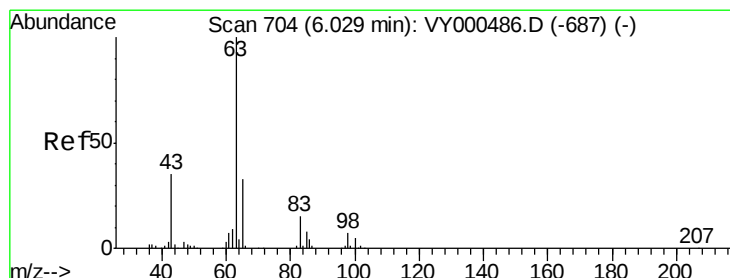
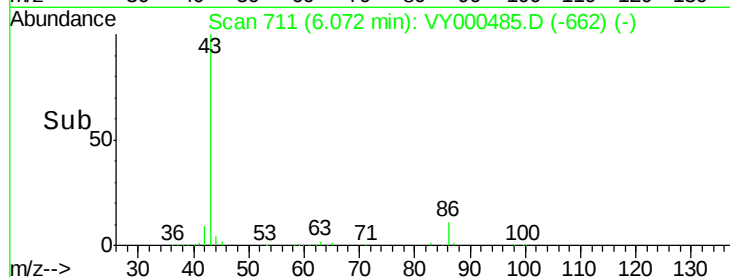
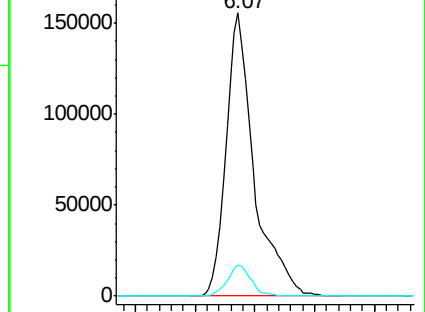
43 100

86 10.9 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.100 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

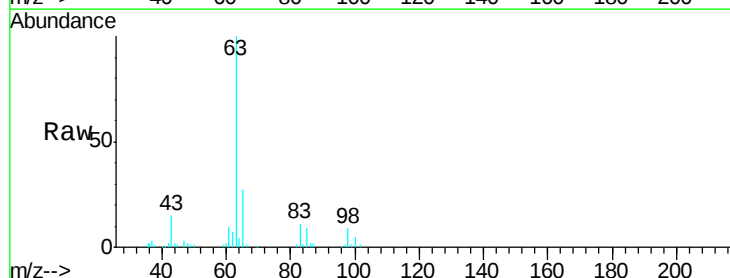
Tgt Ion: 63 Resp: 86278

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.6

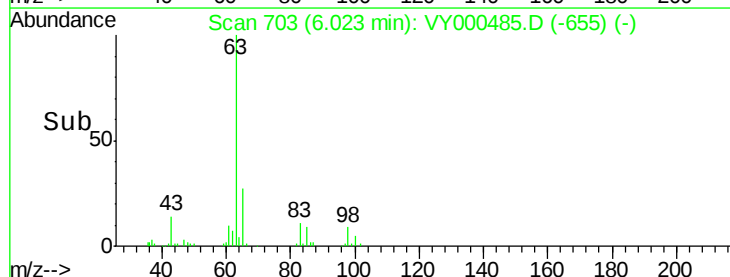
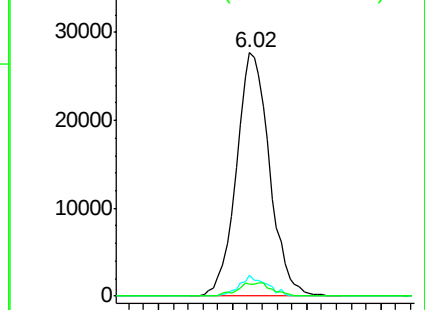
100 4.7 2.4 7.1

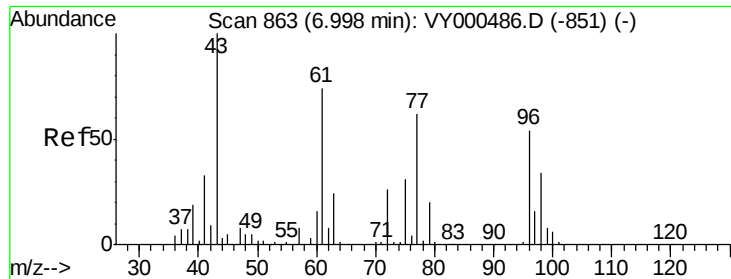


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 91.921 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

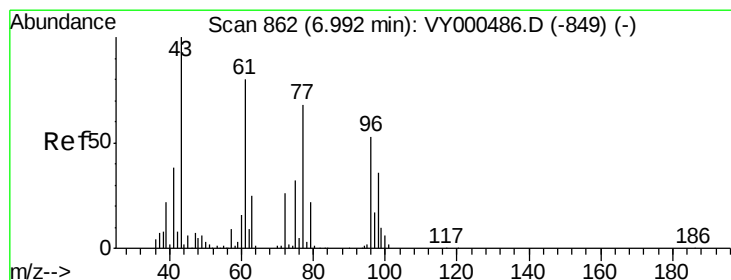
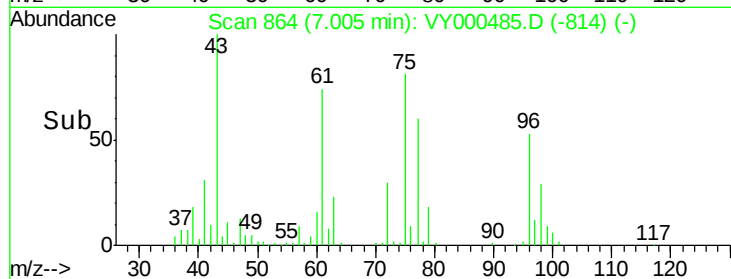
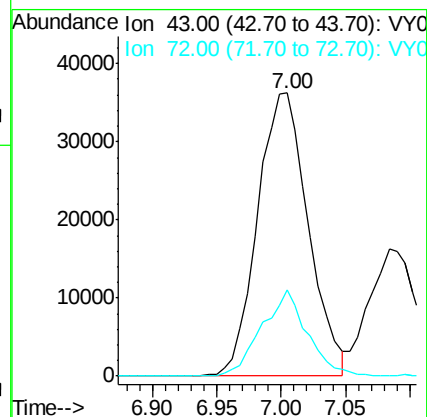
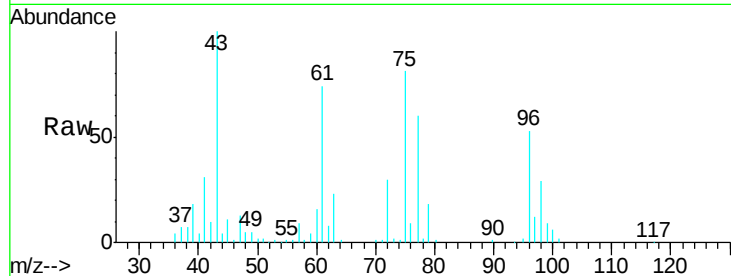
VSTDIC020

Tgt Ion: 43 Resp: 98825

Ion Ratio Lower Upper

43 100

72 30.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 18.955 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000485.D

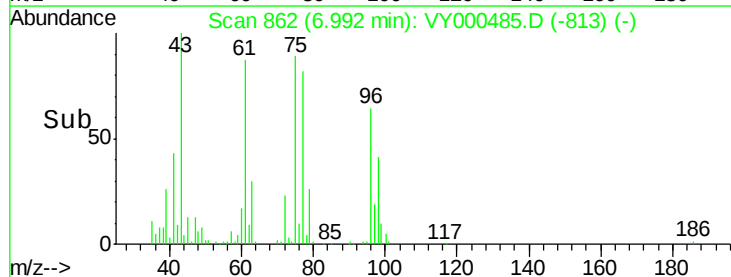
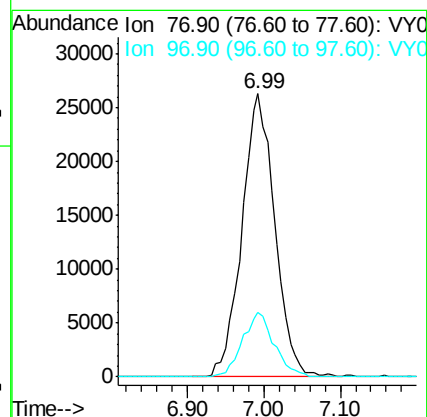
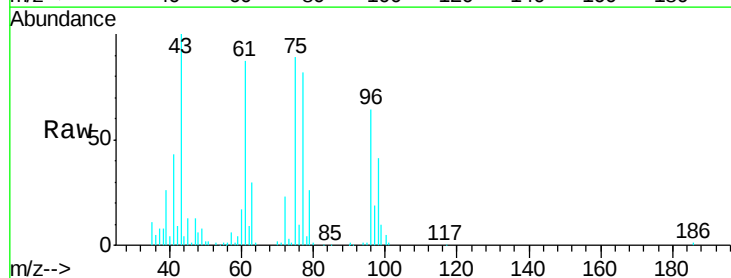
Acq: 30 Oct 2019 11:24

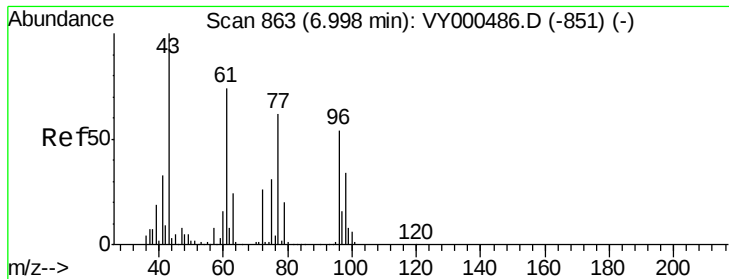
Tgt Ion: 77 Resp: 78250

Ion Ratio Lower Upper

77 100

97 22.0 11.8 35.4



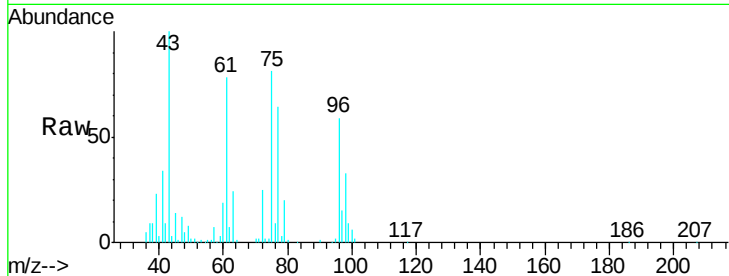


#27

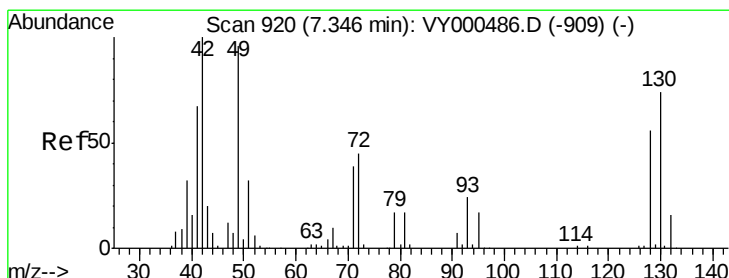
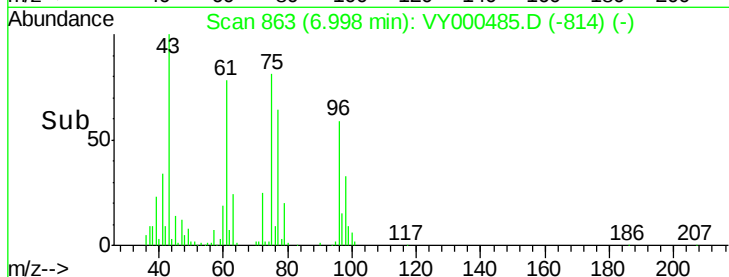
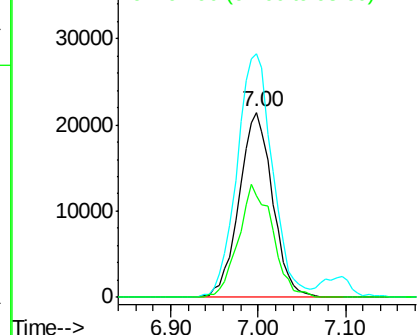
cis-1,2-Dichloroethene
 Concen: 19.559 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 57043
 Ion Ratio Lower Upper
 96 100
 61 140.0 0.0 287.0
 98 62.3 0.0 129.4



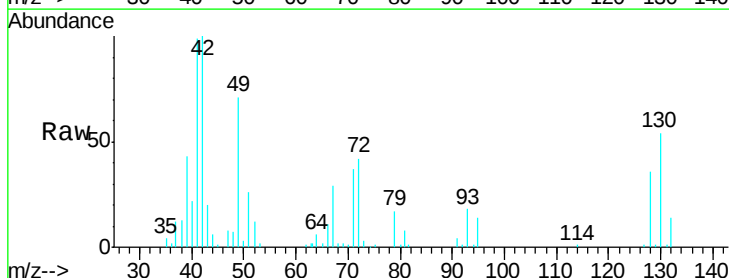
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



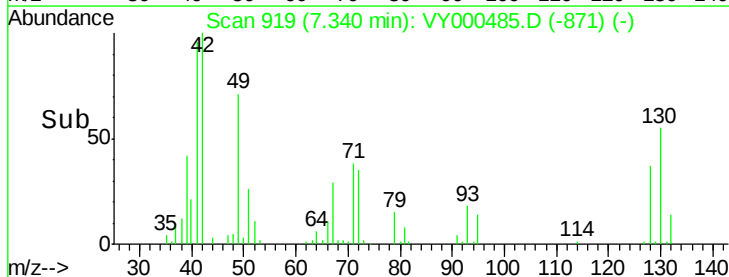
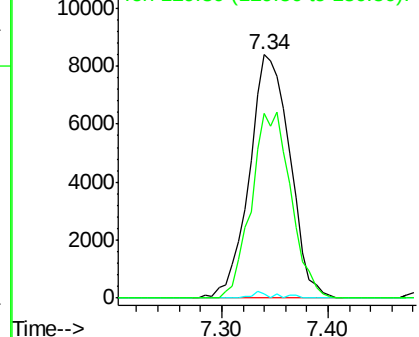
#28

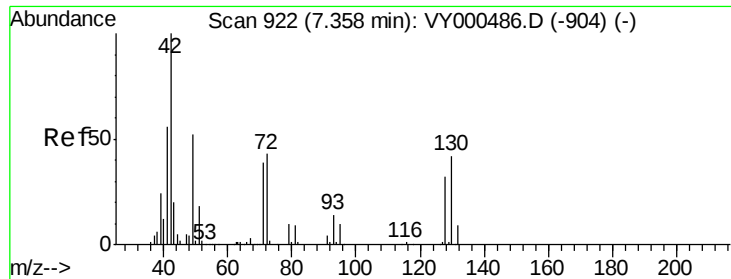
Bromochloromethane
 Concen: 12.247 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 49 Resp: 22345
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 3.6
 130 0.0 59.4 89.0#



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

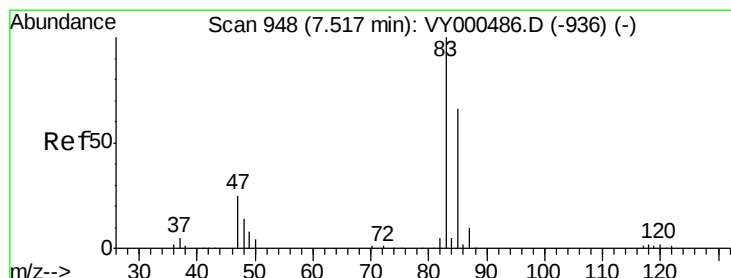
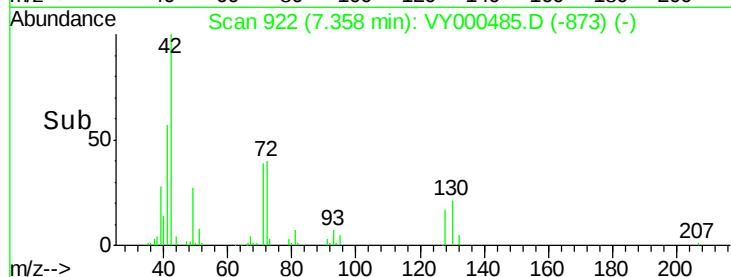
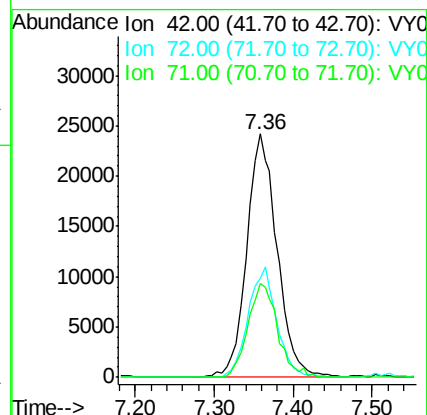
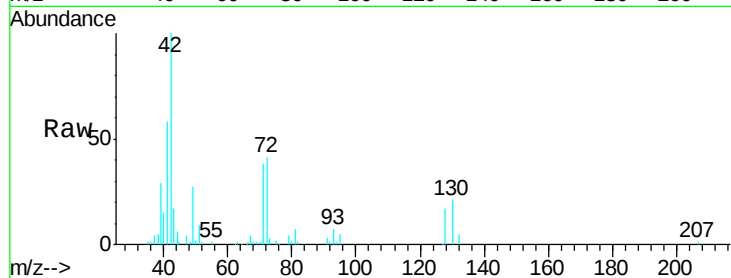




#29
Tetrahydrofuran
Concen: 98.031 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

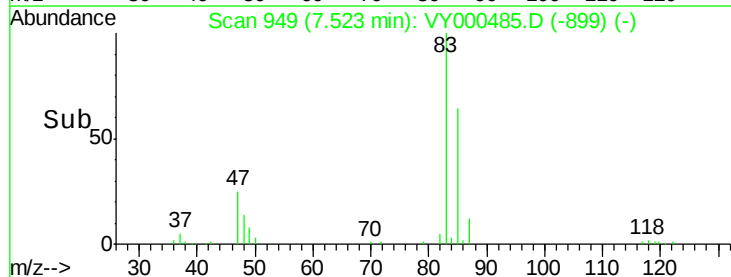
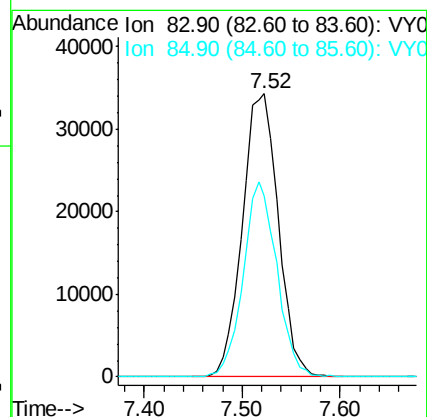
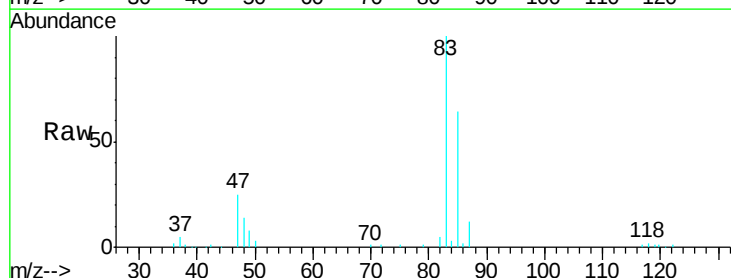
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

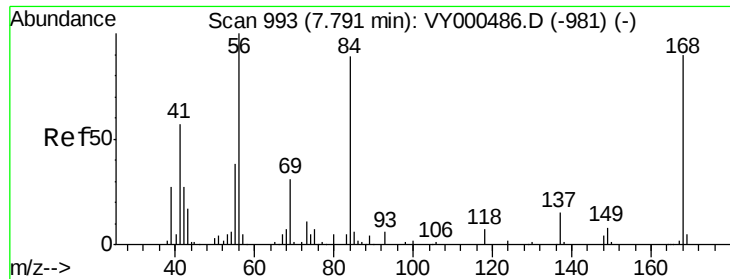
Tgt Ion: 42 Resp: 64476
Ion Ratio Lower Upper
42 100
72 42.7 34.0 51.0
71 37.9 30.8 46.2



#30
Chloroform
Concen: 19.128 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 83 Resp: 87406
Ion Ratio Lower Upper
83 100
85 63.9 53.0 79.4

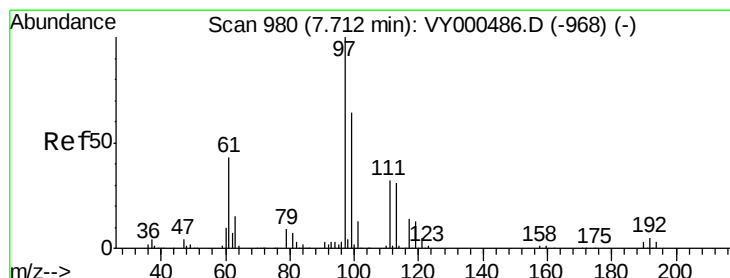
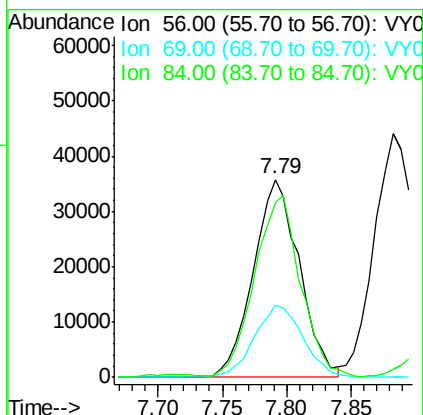
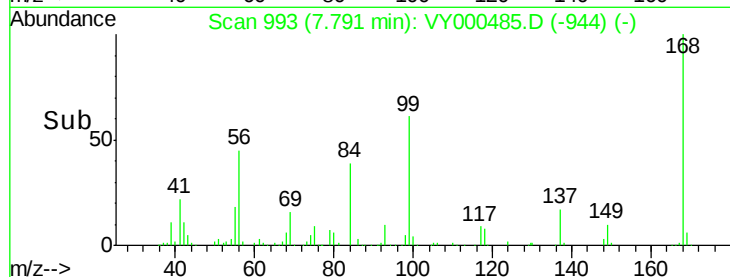
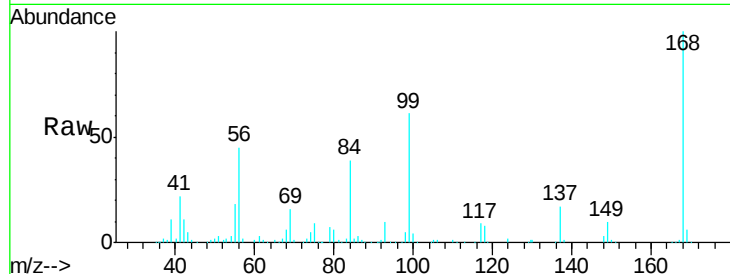




#31
Cyclohexane
Concen: 18.748 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

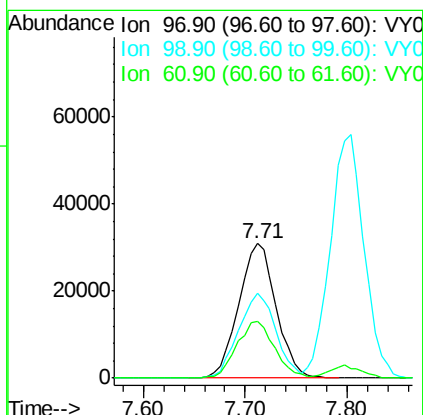
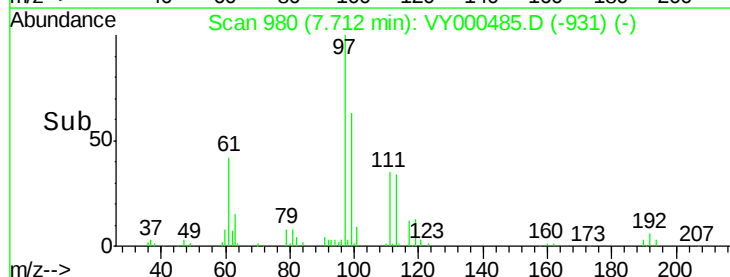
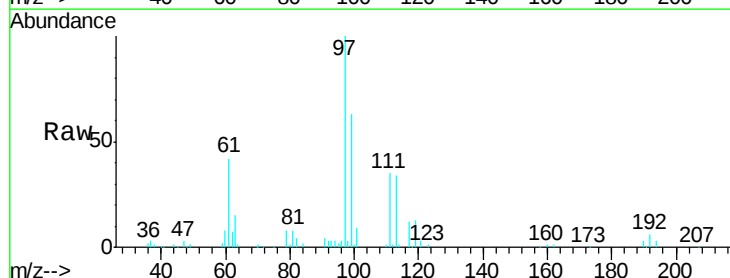
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

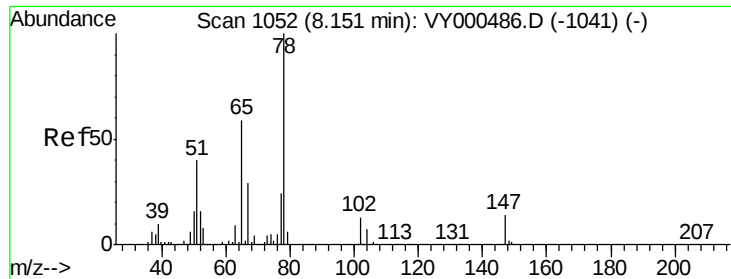
Tgt Ion: 56 Resp: 88701
Ion Ratio Lower Upper
56 100
69 36.7 25.0 37.6
84 86.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 19.332 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 97 Resp: 78732
Ion Ratio Lower Upper
97 100
99 63.2 50.9 76.3
61 42.3 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 19.824 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

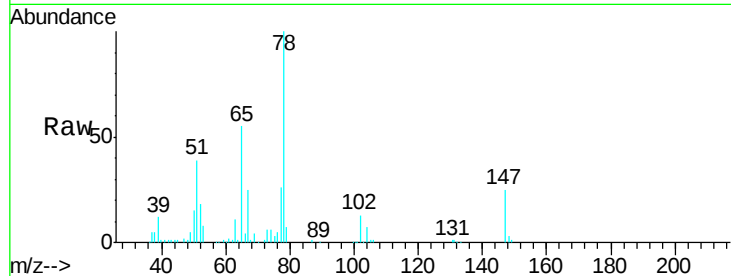
VSTDIC020

Tgt Ion: 65 Resp: 48455

Ion Ratio Lower Upper

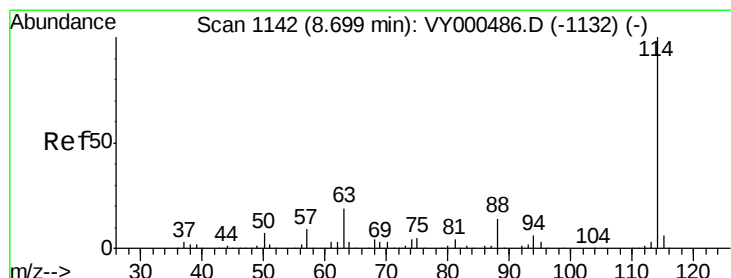
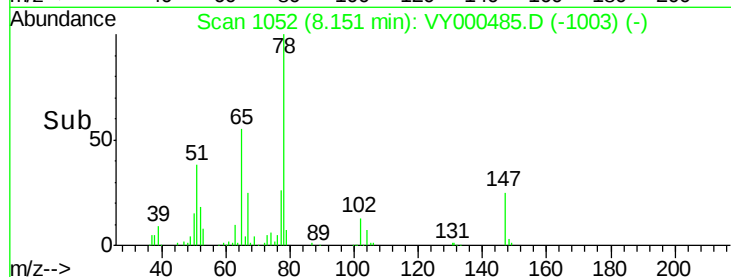
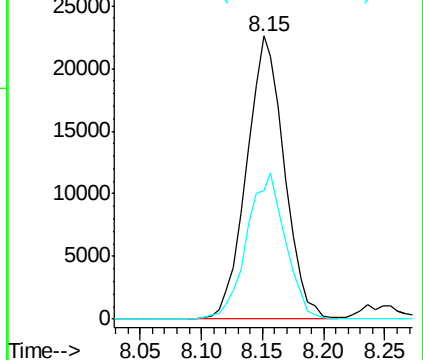
65 100

67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

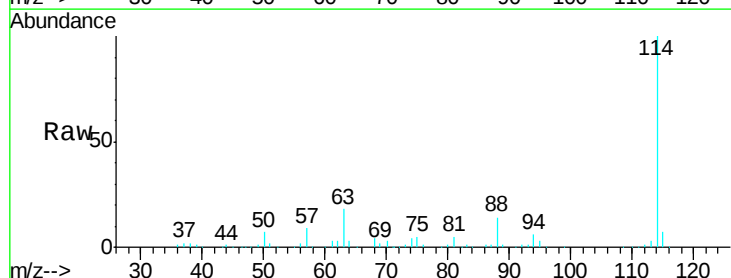
Tgt Ion: 114 Resp: 383229

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.0

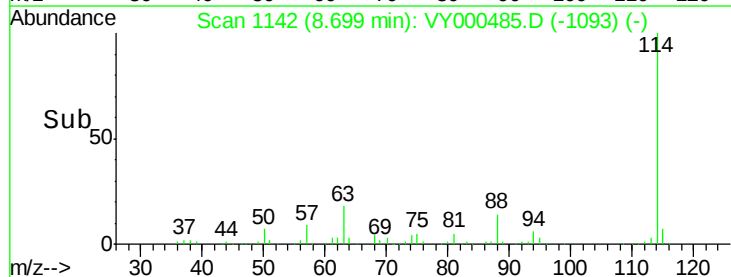
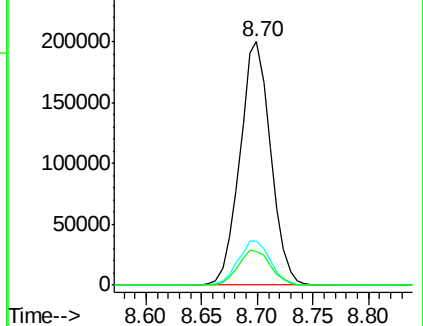
88 13.8 0.0 28.6

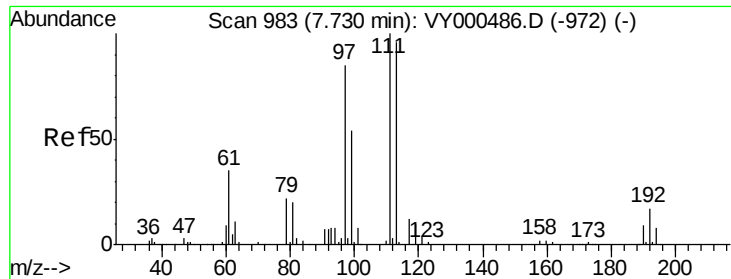


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 20.911 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

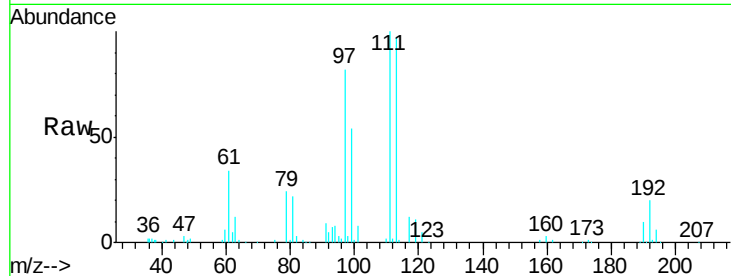
Tgt Ion:113 Resp: 47046

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

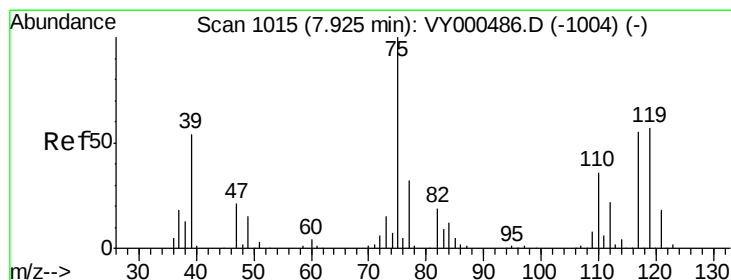
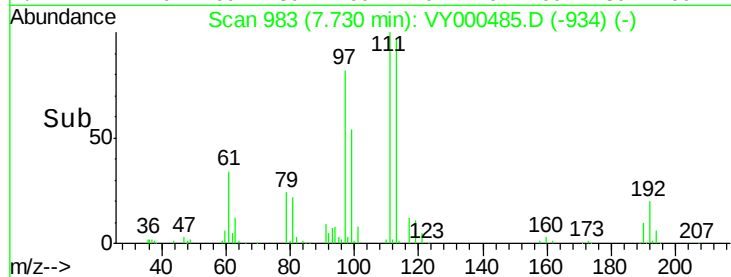
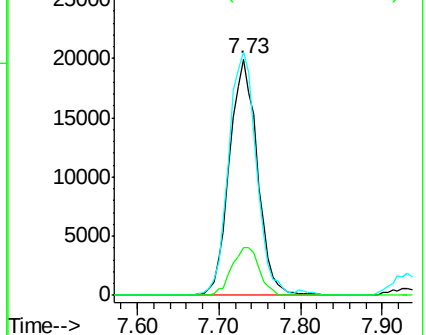
192 19.7 15.0 22.4



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: 19.594 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

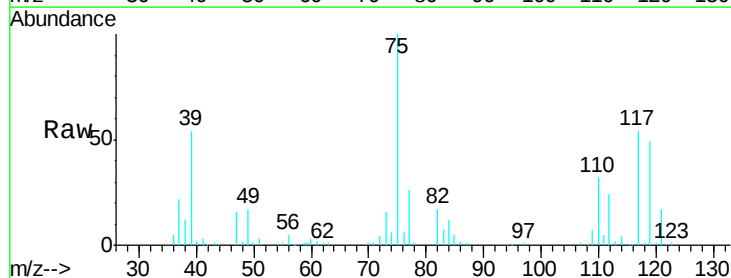
Tgt Ion: 75 Resp: 70987

Ion Ratio Lower Upper

75 100

110 37.7 18.1 54.1

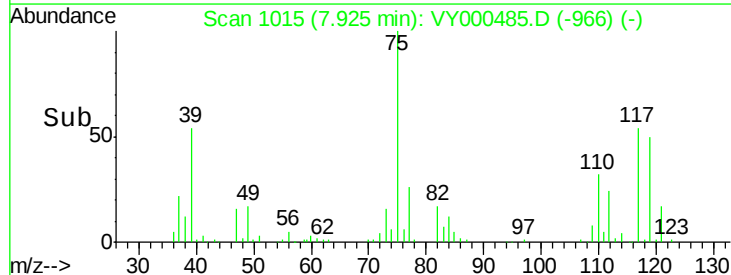
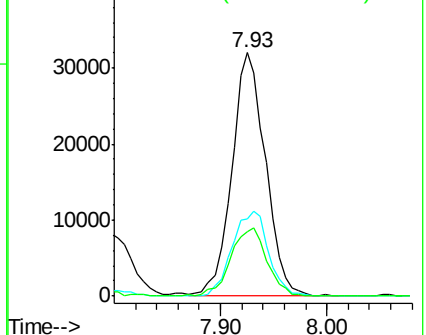
77 30.0 25.0 37.6

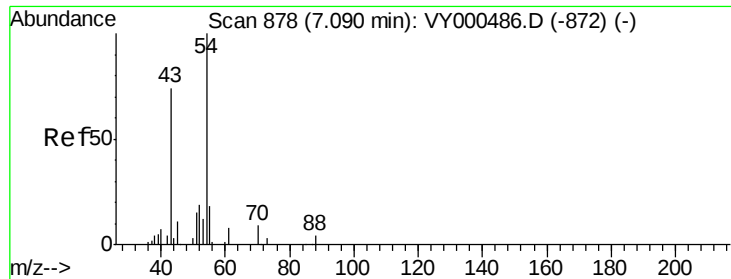


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

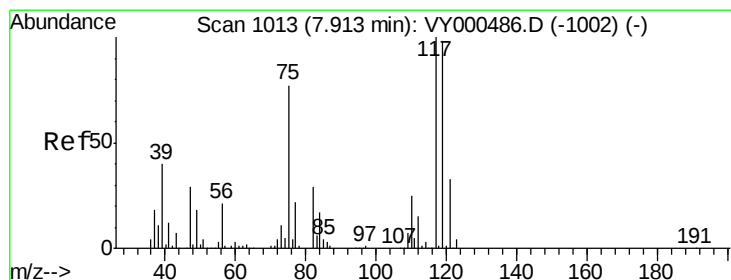
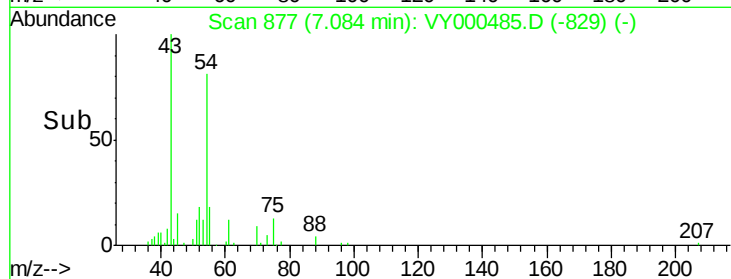
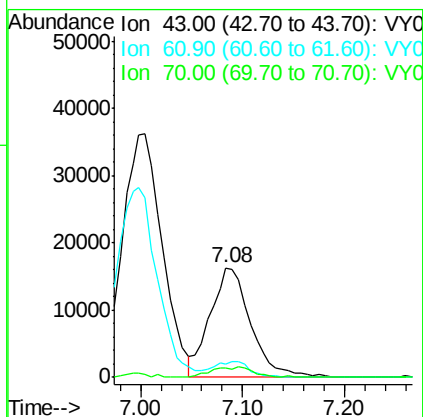
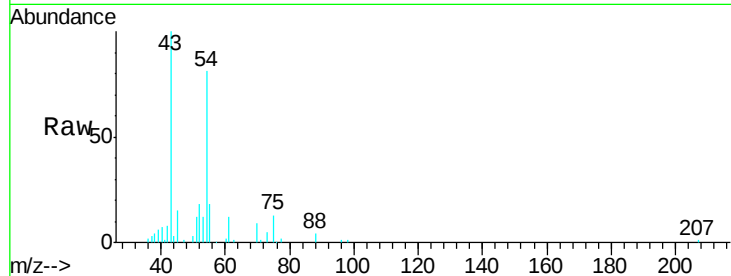




#37
Ethyl Acetate
Concen: 20.998 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

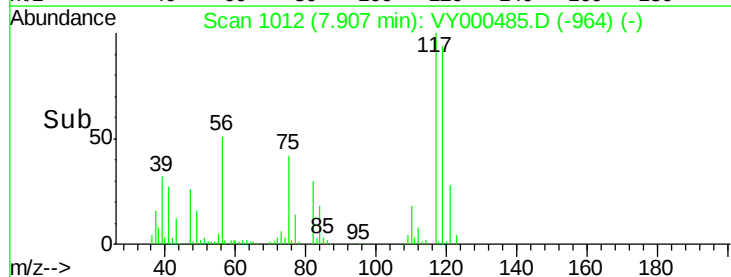
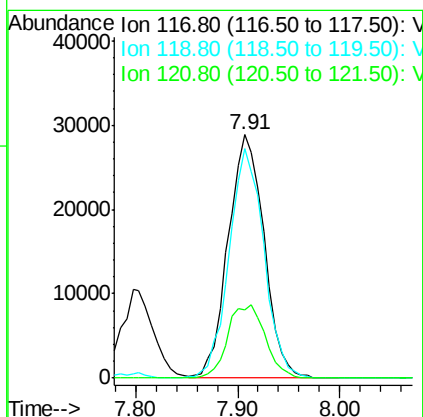
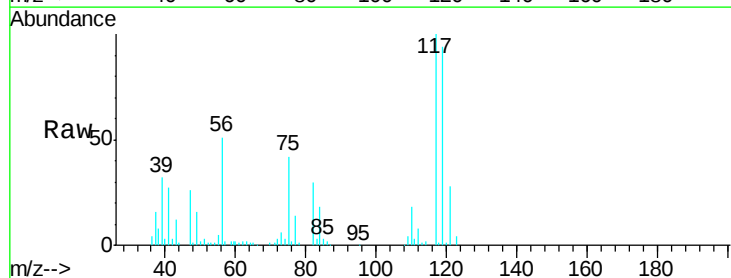
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 45165
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.2
70 5.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 20.245 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 117 Resp: 70575
Ion Ratio Lower Upper
117 100
119 94.0 78.0 117.0
121 27.9 26.6 40.0

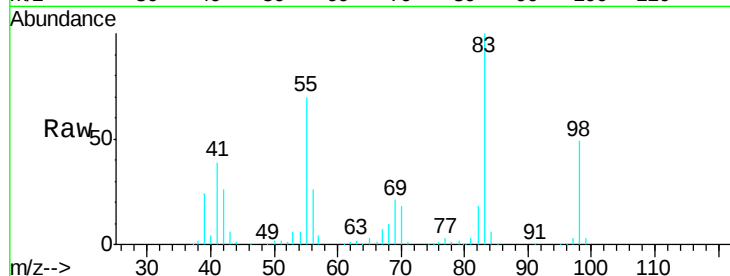




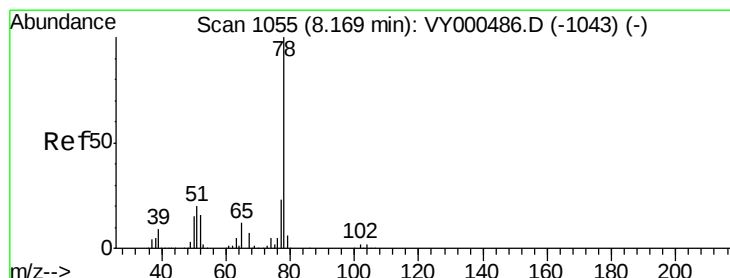
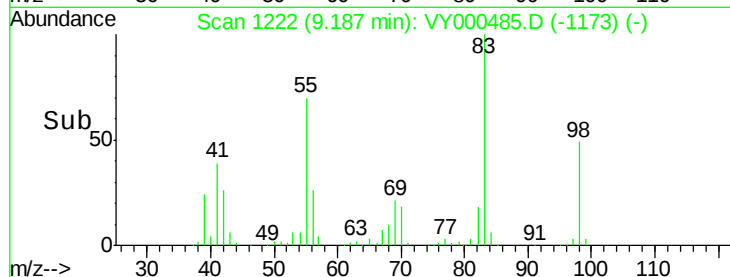
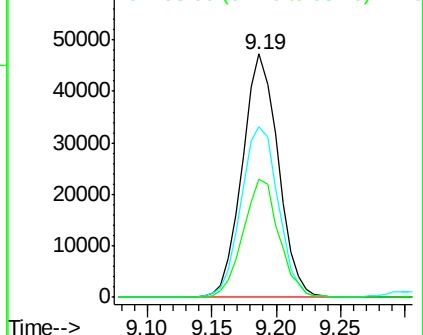
#39
Methylcyclohexane
Concen: 19.519 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 91356
Ion Ratio Lower Upper
83 100
55 70.0 57.5 86.3
98 48.8 38.0 57.0

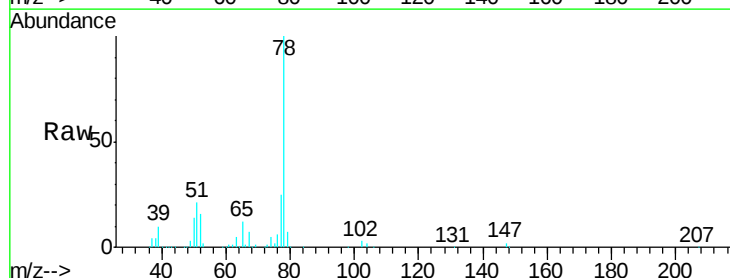


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

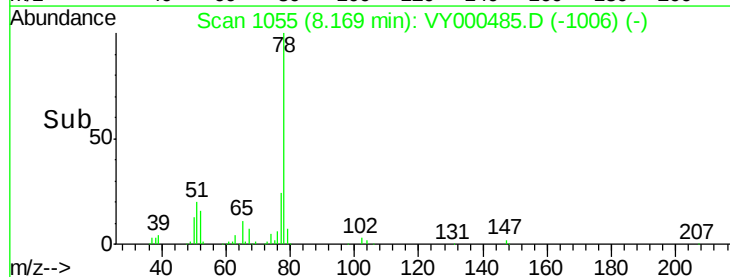
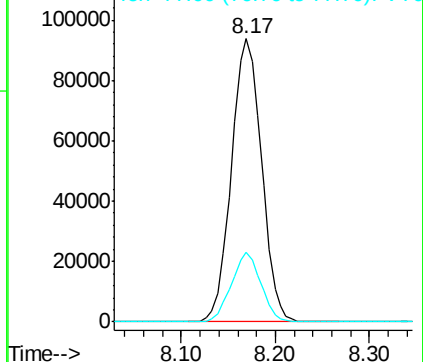


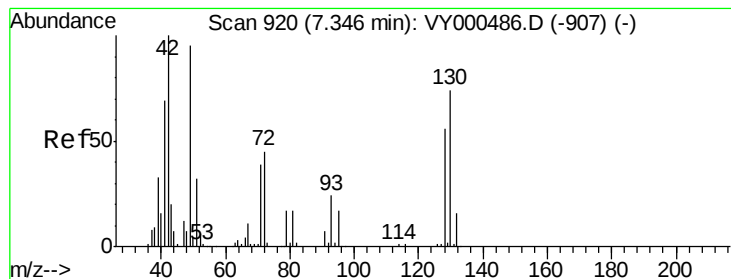
#40
Benzene
Concen: 19.608 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 78 Resp: 208262
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0



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





#41

Methacrylonitrile

Concen: 48.814 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 58551

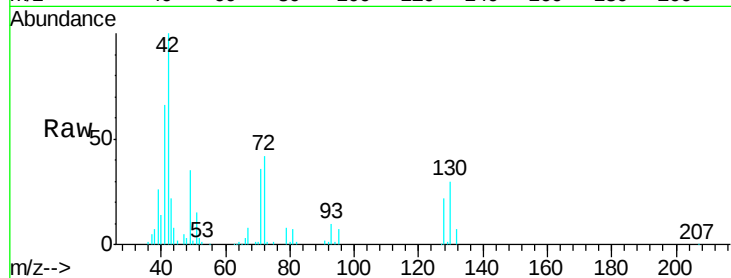
Ion Ratio Lower Upper

41 100

39 0.0 68.2 102.4#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

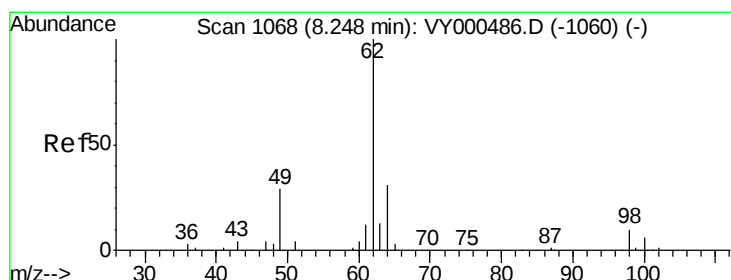
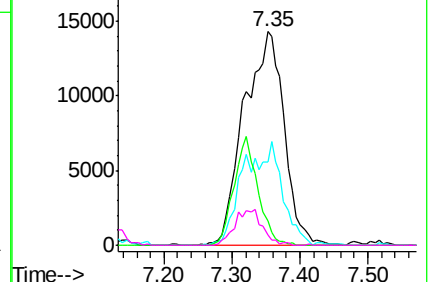
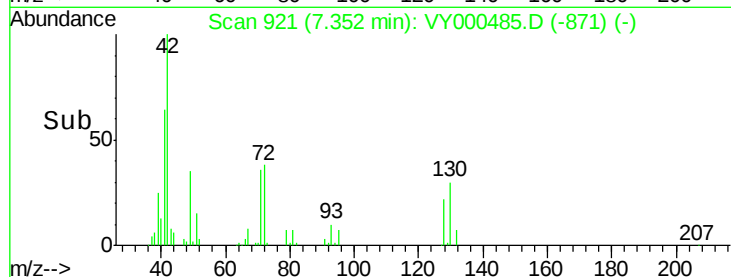


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 20.024 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000485.D

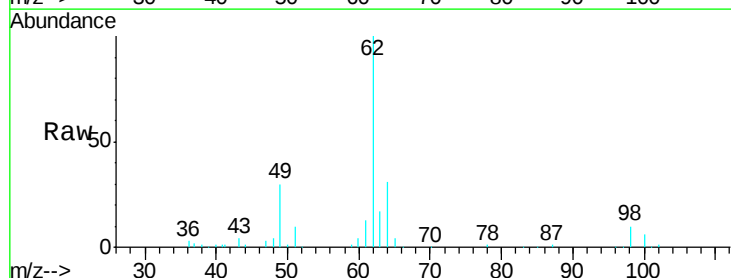
Acq: 30 Oct 2019 11:24

Tgt Ion: 62 Resp: 60321

Ion Ratio Lower Upper

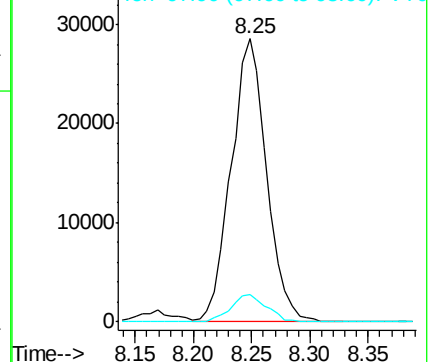
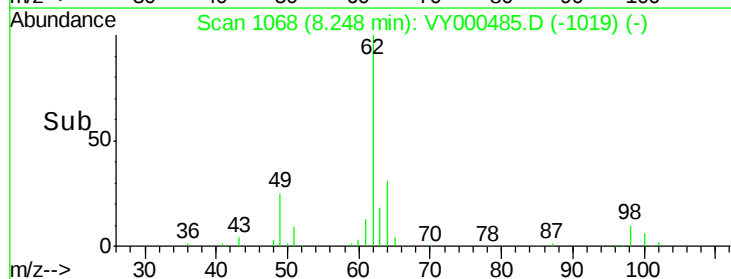
62 100

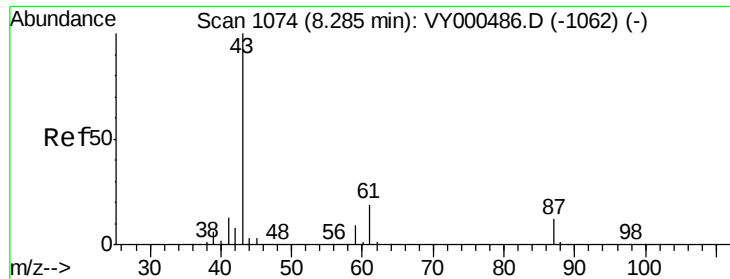
98 9.7 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

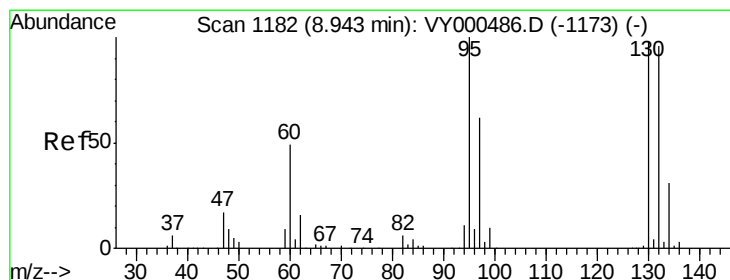
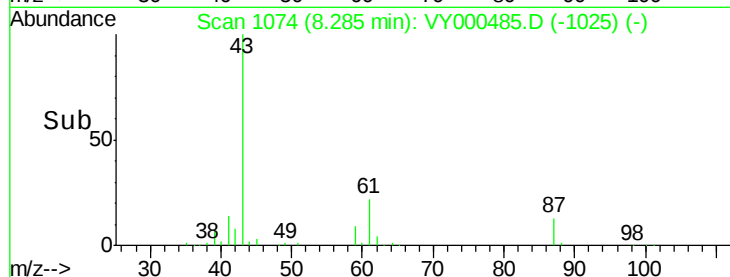
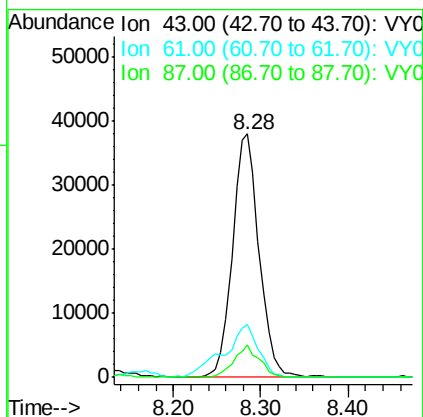
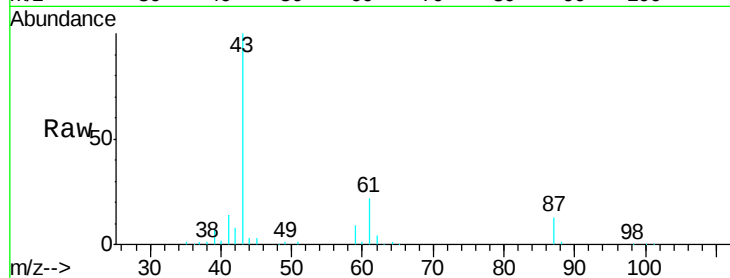




#43
Isopropyl Acetate
Concen: 19.856 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

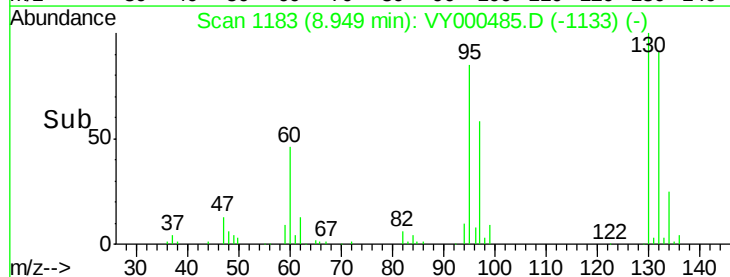
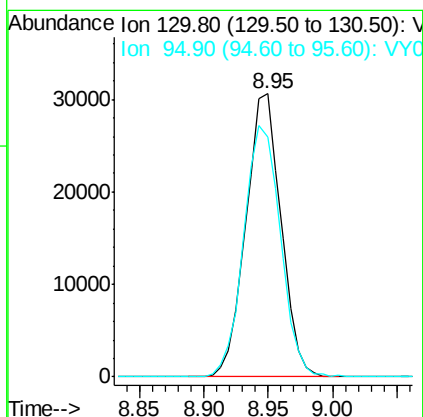
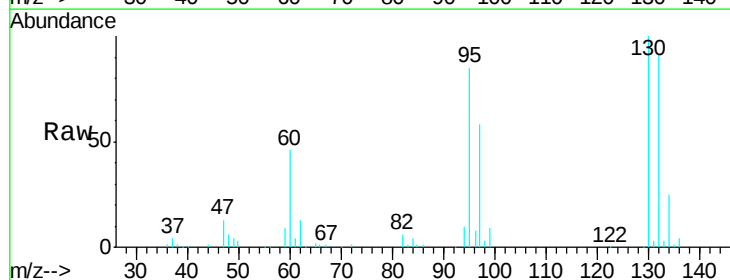
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

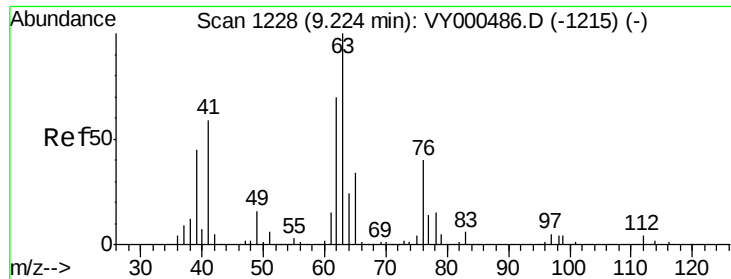
Tgt Ion: 43 Resp: 80226
Ion Ratio Lower Upper
43 100
61 28.4 23.0 34.4
87 12.4 10.5 15.7



#44
Trichloroethene
Concen: 20.629 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 130 Resp: 57770
Ion Ratio Lower Upper
130 100
95 84.7 0.0 203.2

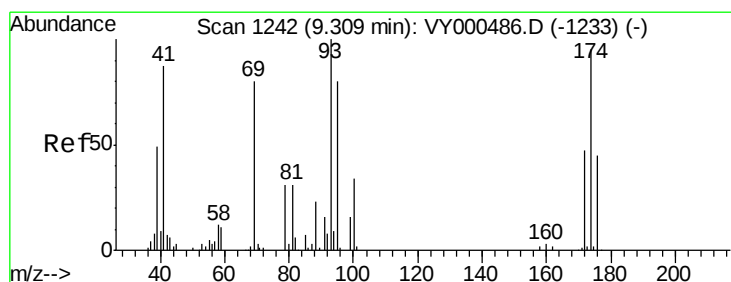
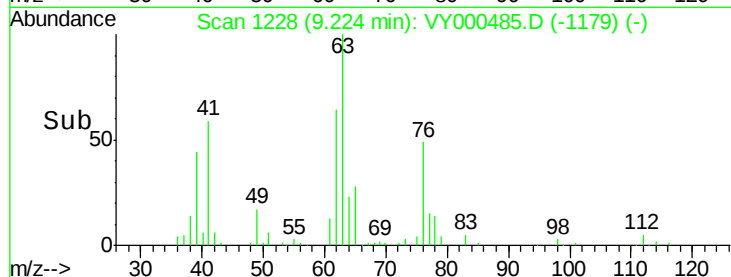
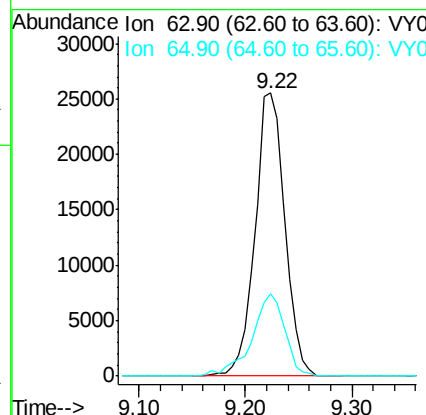
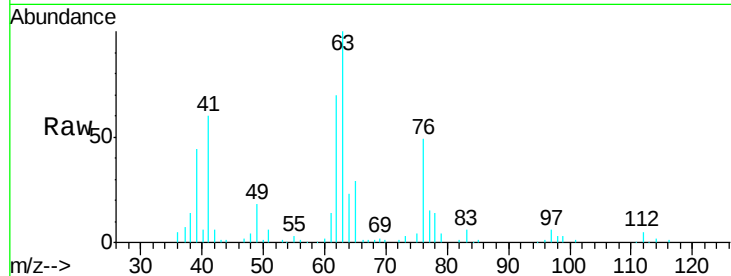




#45
 1,2-Dichloropropane
 Concen: 19.257 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

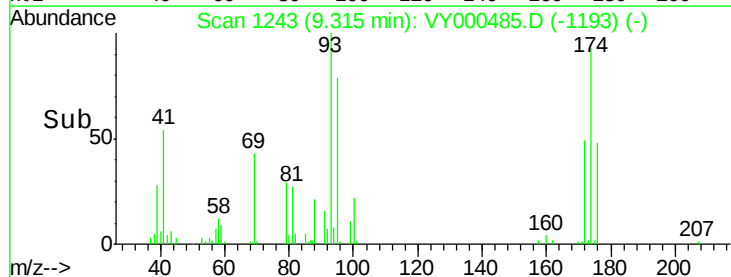
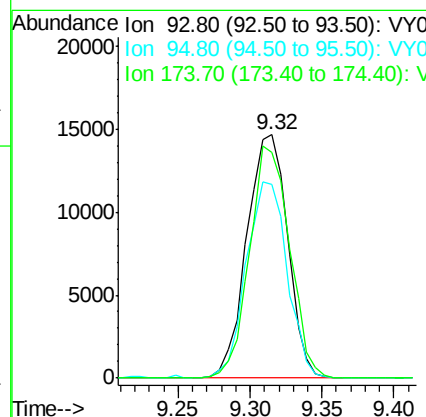
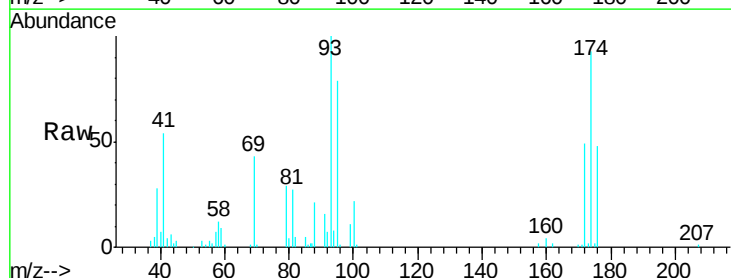
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

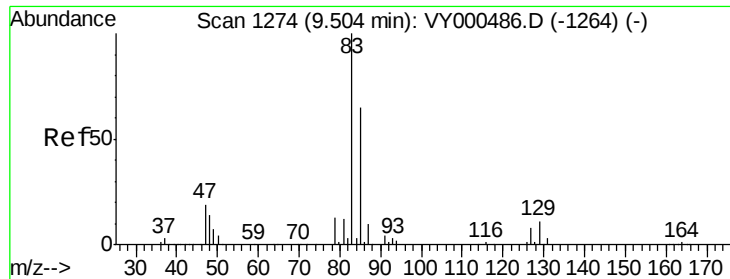
Tgt Ion: 63 Resp: 50339
 Ion Ratio Lower Upper
 63 100
 65 29.2 27.0 40.4



#46
 Dibromomethane
 Concen: 20.009 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 93 Resp: 28767
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.4 99.6
 174 93.4 77.1 115.7





#47

Bromodichloromethane

Concen: 19.425 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

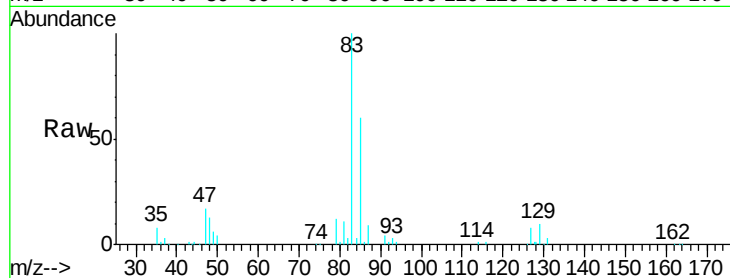
Tgt Ion: 83 Resp: 66263

Ion Ratio Lower Upper

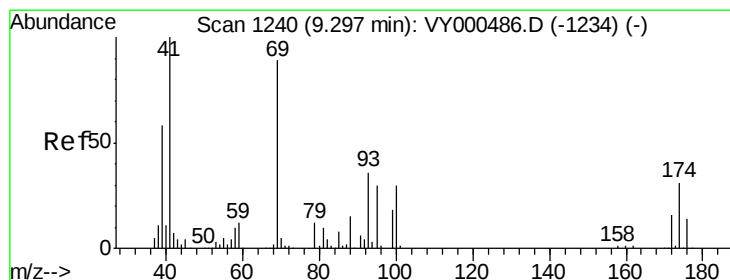
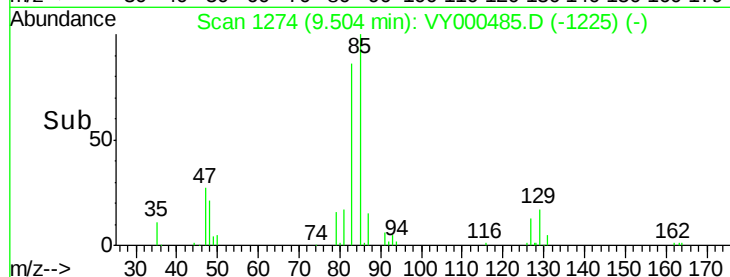
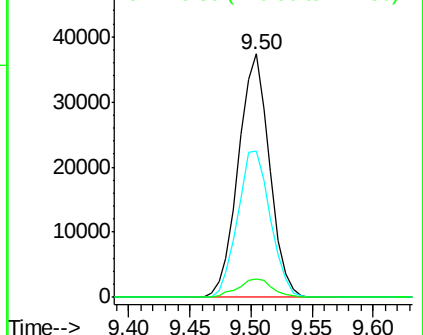
83 100

85 60.3 51.8 77.8

127 7.7 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: 20.283 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

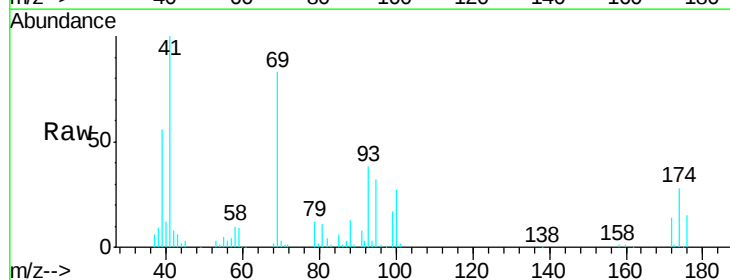
Tgt Ion: 41 Resp: 35808

Ion Ratio Lower Upper

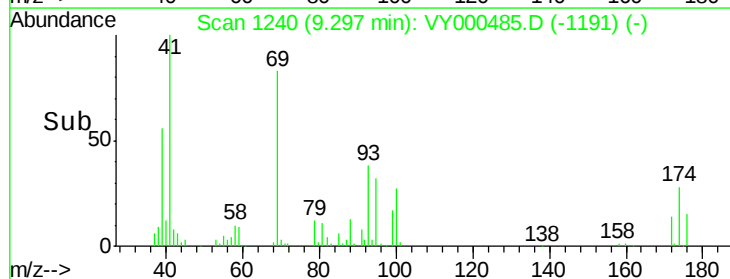
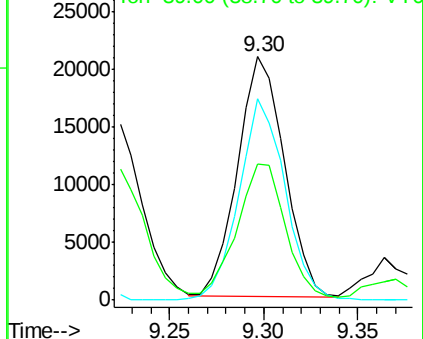
41 100

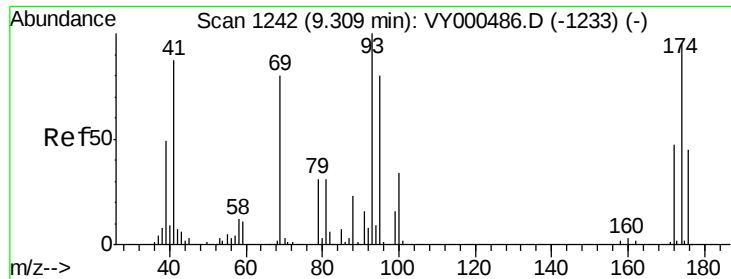
69 83.0 72.5 108.7

39 59.6 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

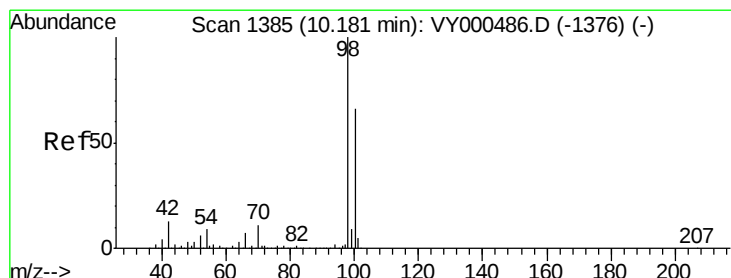
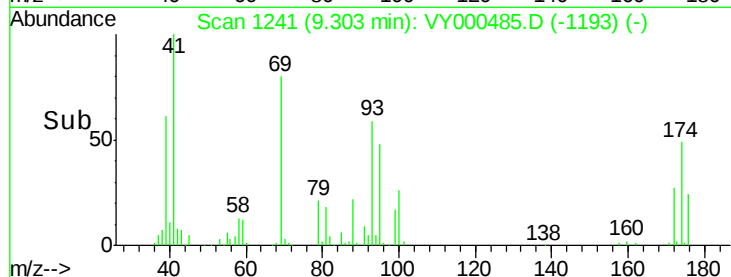
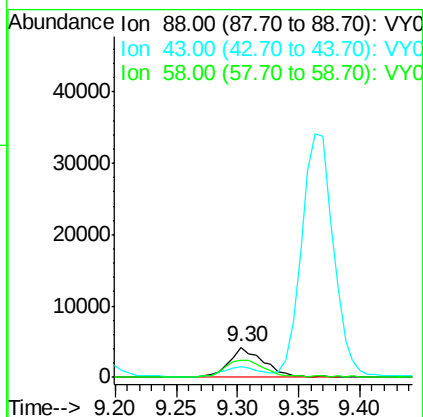
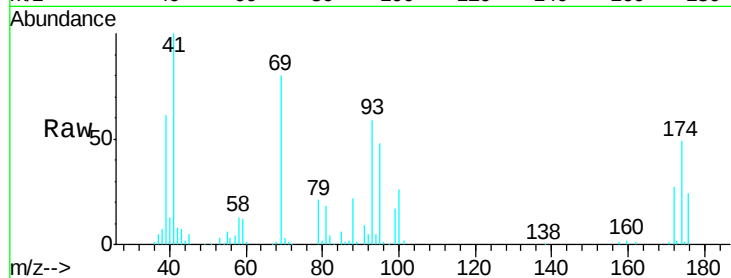




#49
 1,4-Dioxane
 Concen: 423.591 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

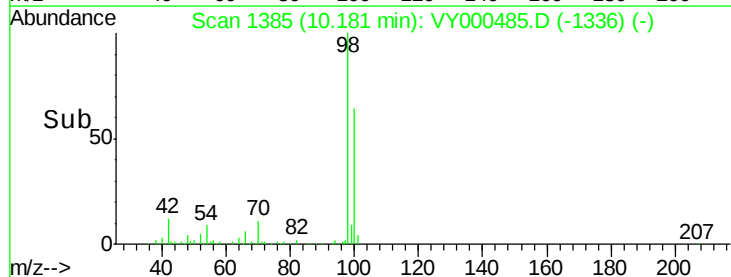
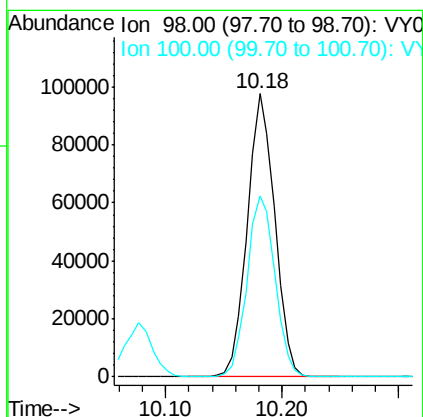
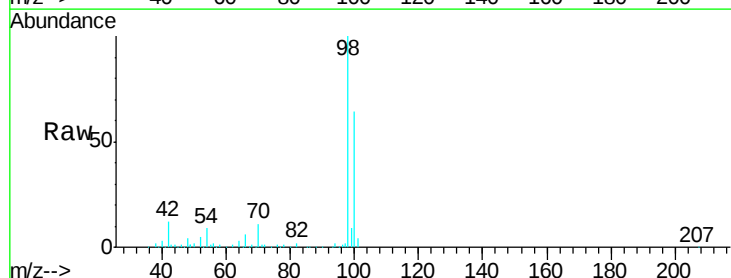
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

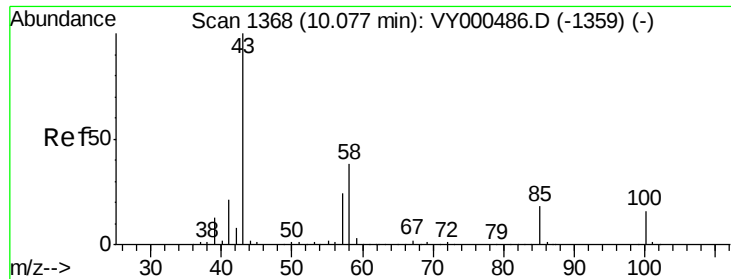
Tgt Ion: 88 Resp: 8196
 Ion Ratio Lower Upper
 88 100
 43 38.9 25.1 37.7#
 58 67.3 50.6 75.8



#50
 Toluene-d8
 Concen: 18.900 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 98 Resp: 161347
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 98.773 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

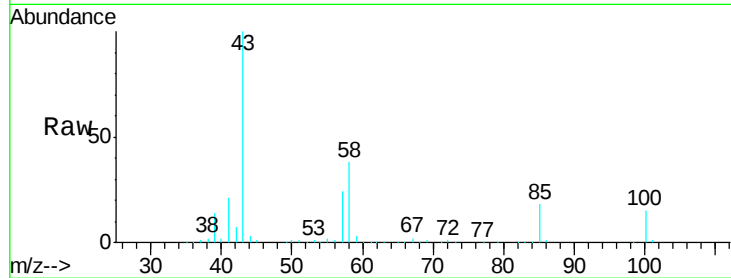
VSTDIC020

Tgt Ion: 43 Resp: 212186

Ion Ratio Lower Upper

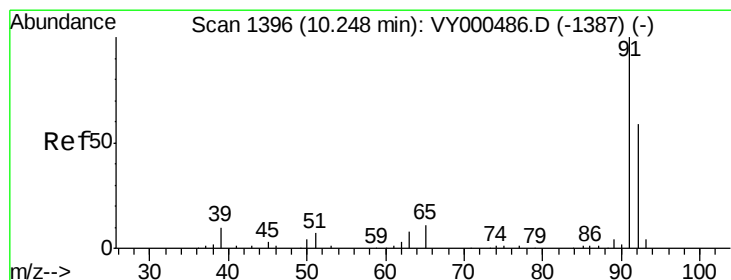
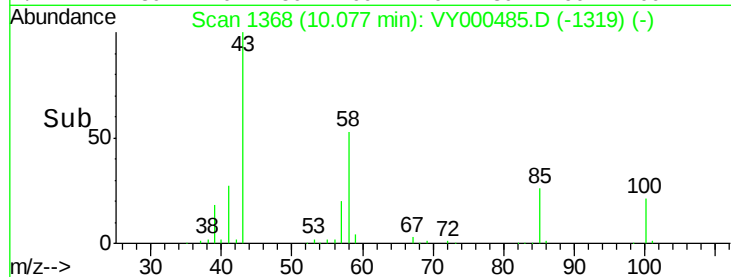
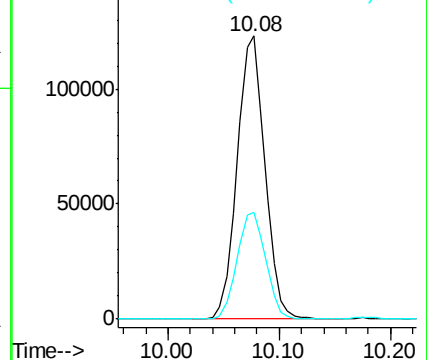
43 100

58 39.0 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: 19.911 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000485.D

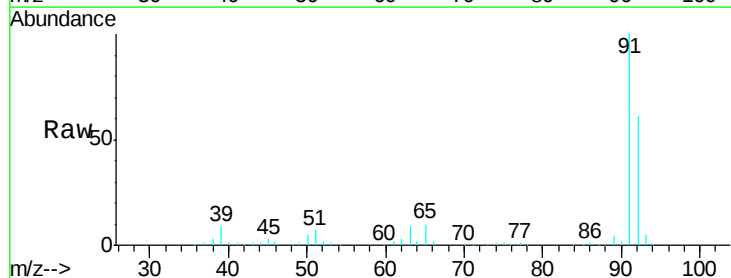
Acq: 30 Oct 2019 11:24

Tgt Ion: 92 Resp: 133707

Ion Ratio Lower Upper

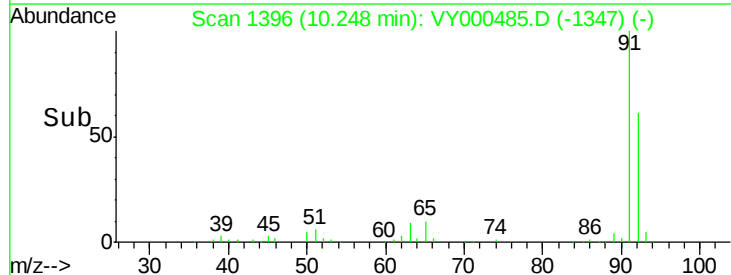
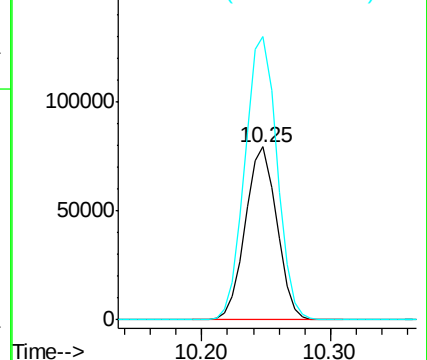
92 100

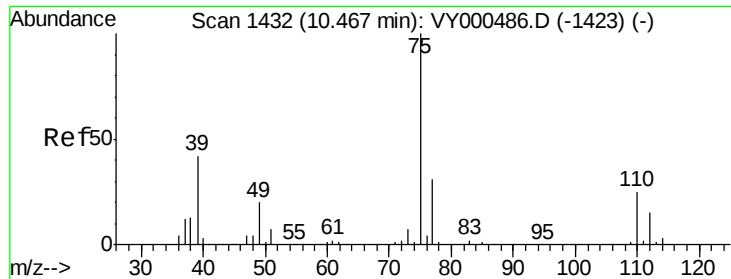
91 167.5 136.3 204.5



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: 19.076 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

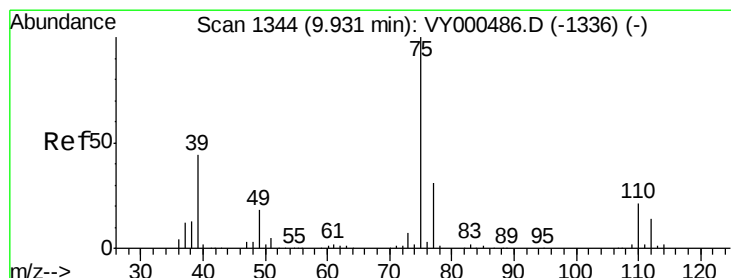
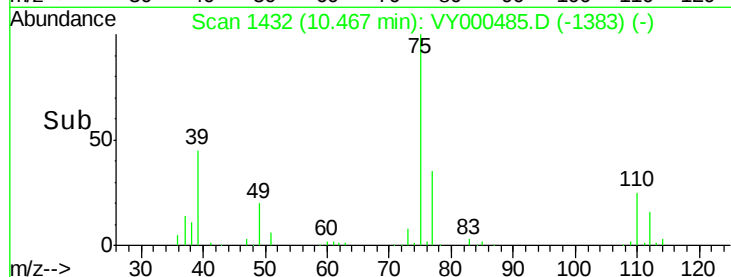
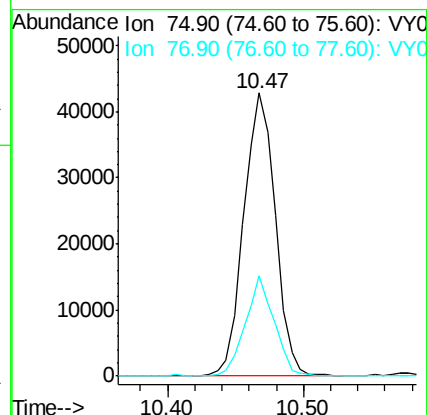
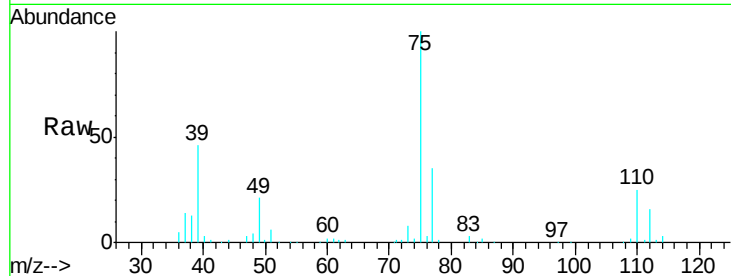
VSTDIC020

Tgt Ion: 75 Resp: 69533

Ion Ratio Lower Upper

75 100

77 35.5 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.118 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

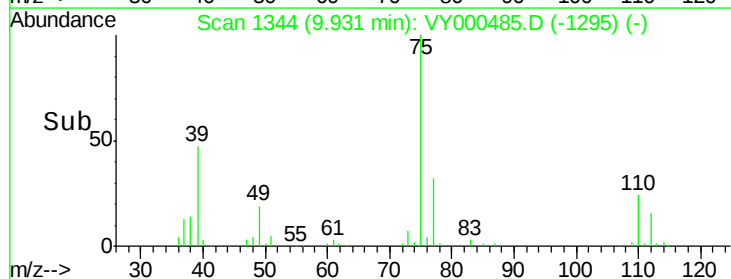
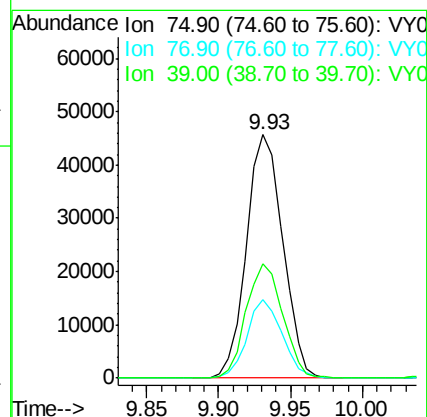
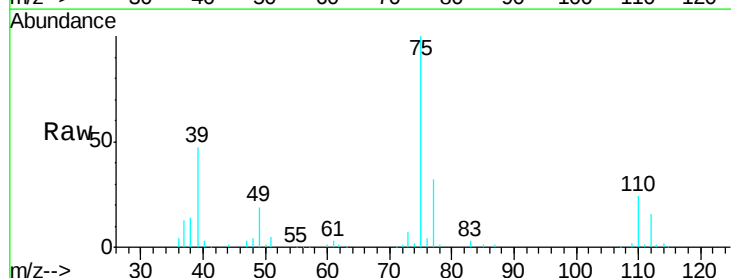
Tgt Ion: 75 Resp: 79831

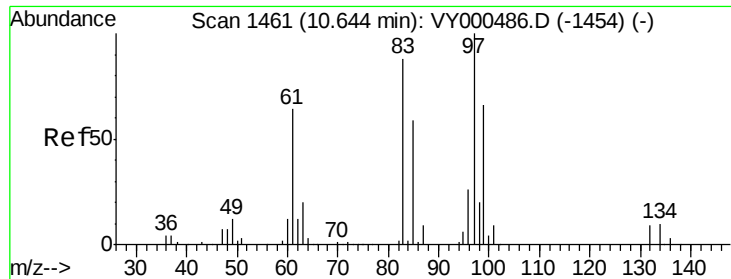
Ion Ratio Lower Upper

75 100

77 32.3 24.5 36.7

39 47.2 35.4 53.2

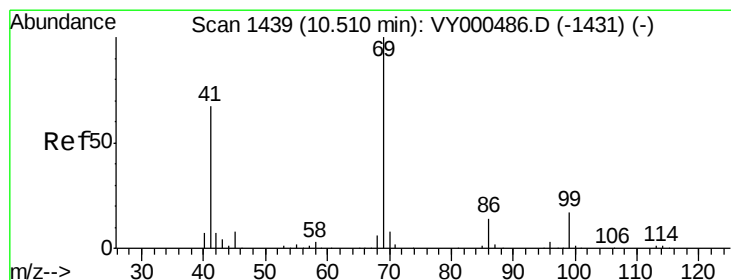
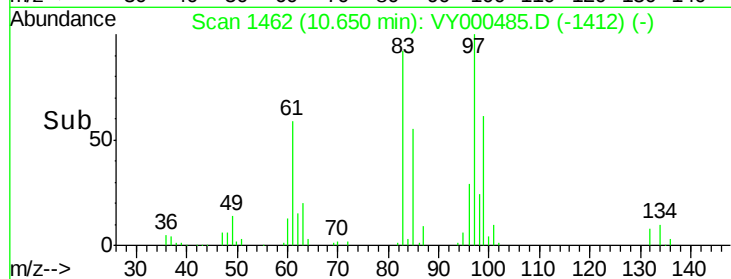
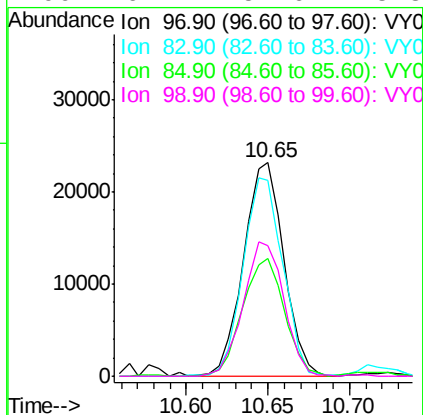
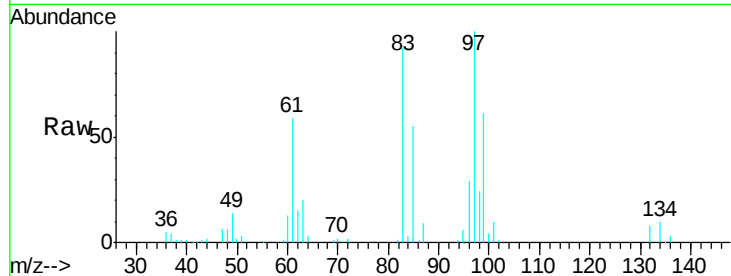




#55
 1,1,2-Trichloroethane
 Concen: 19.208 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

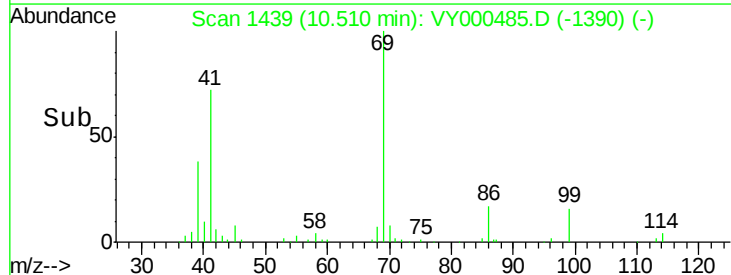
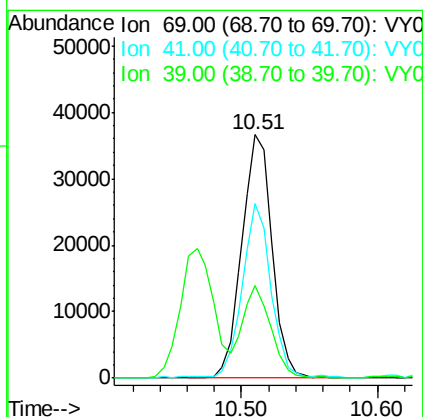
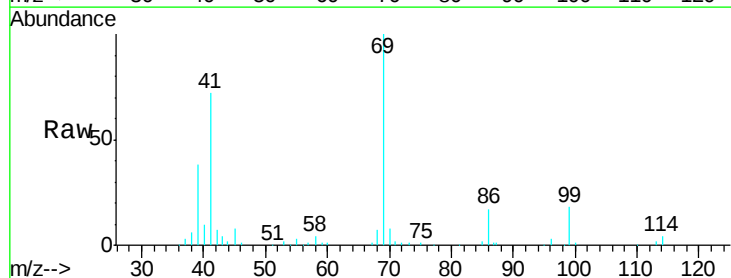
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

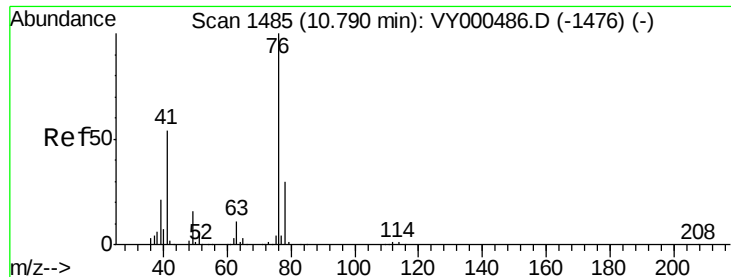
Tgt Ion: 97 Resp: 39941
 Ion Ratio Lower Upper
 97 100
 83 91.2 70.2 105.4
 85 55.2 46.9 70.3
 99 61.2 52.6 78.8



#56
 Ethyl methacrylate
 Concen: 19.306 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 69 Resp: 56898
 Ion Ratio Lower Upper
 69 100
 41 68.6 53.3 79.9
 39 35.3 28.0 42.0





#57

1,3-Dichloropropane

Concen: 19.732 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

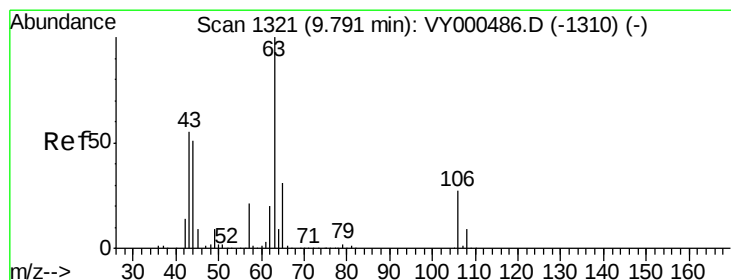
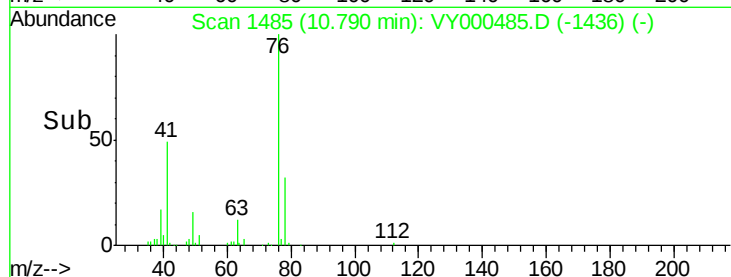
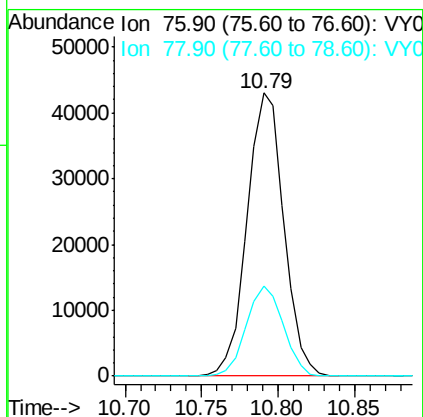
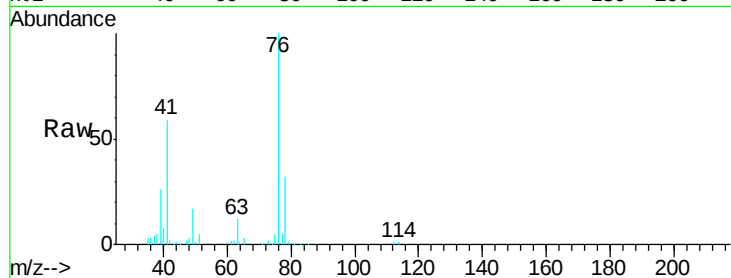
VSTDIC020

Tgt Ion: 76 Resp: 71814

Ion Ratio Lower Upper

76 100

78 32.0 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 97.244 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000485.D

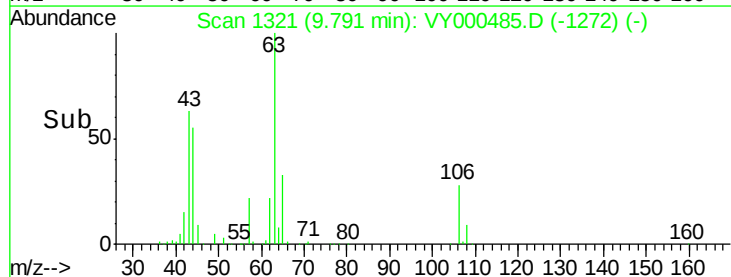
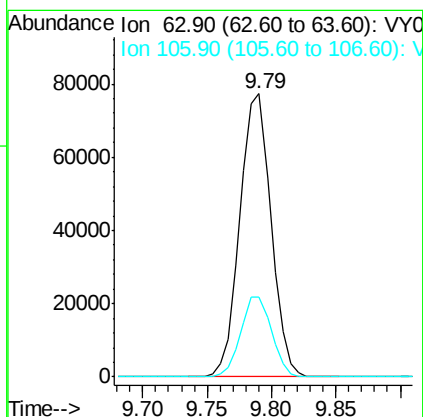
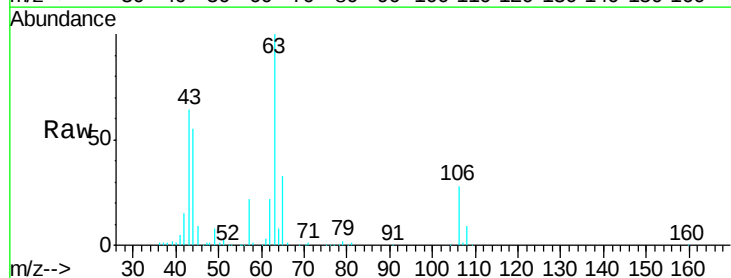
Acq: 30 Oct 2019 11:24

Tgt Ion: 63 Resp: 129569

Ion Ratio Lower Upper

63 100

106 28.1 22.6 33.8

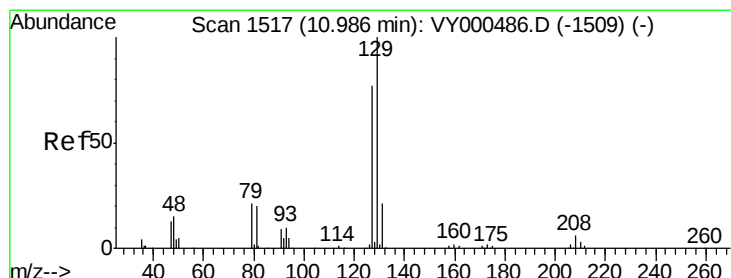
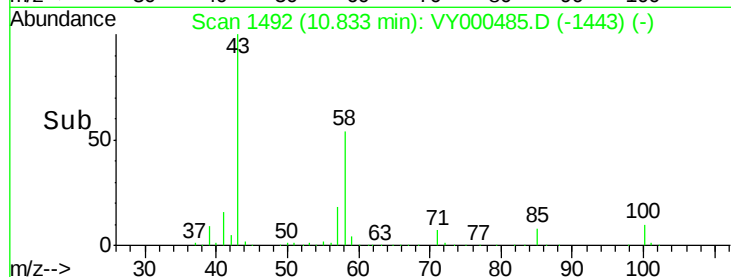
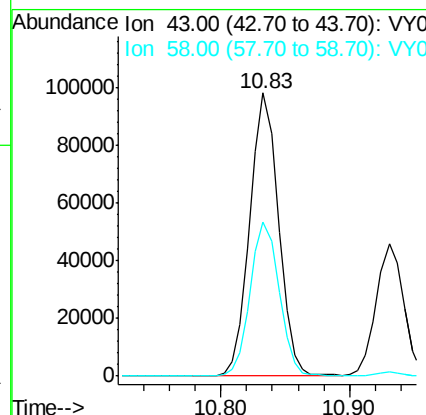
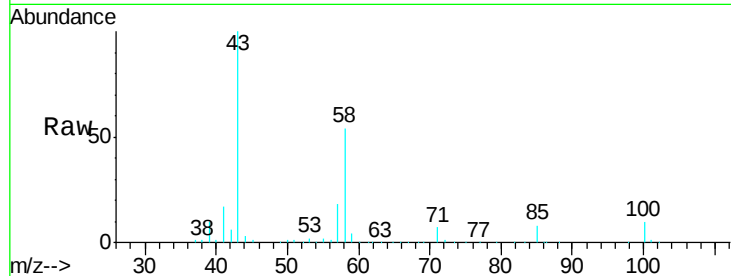




#59
2-Hexanone
Concen: 96.664 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

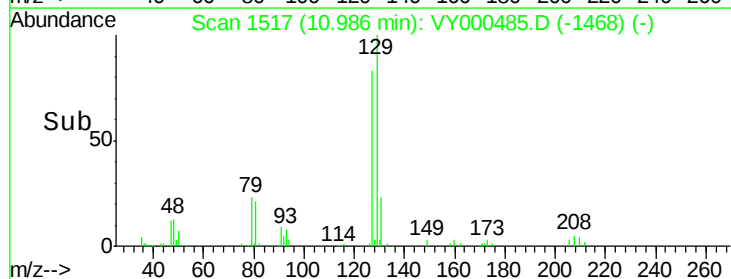
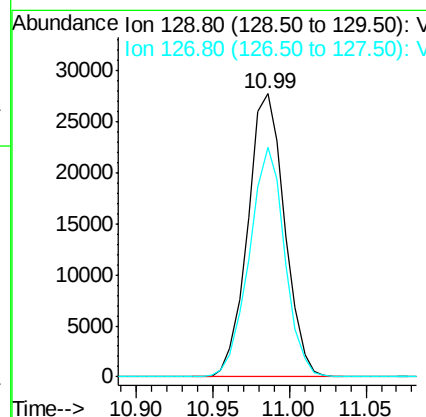
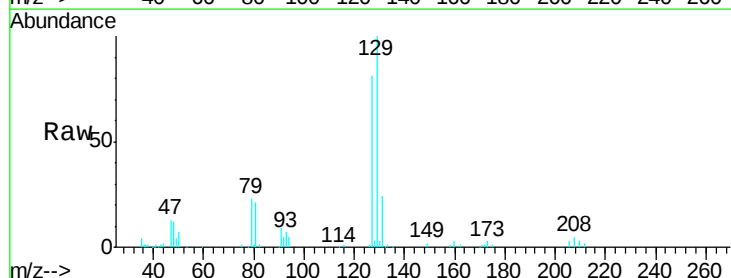
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

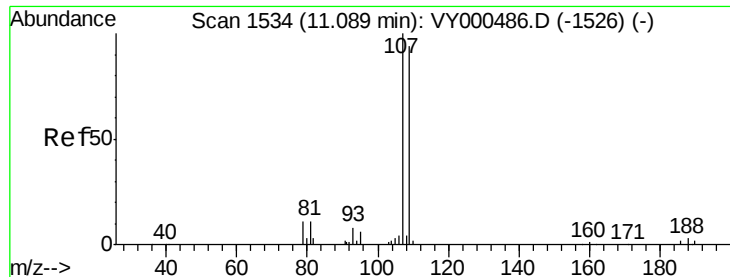
Tgt Ion: 43 Resp: 151297
Ion Ratio Lower Upper
43 100
58 54.8 27.1 81.3



#60
Dibromochloromethane
Concen: 19.544 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 129 Resp: 46550
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2

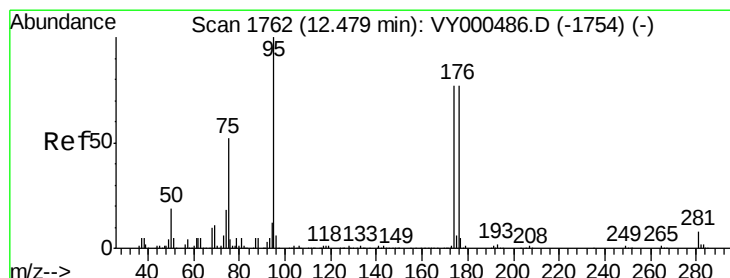
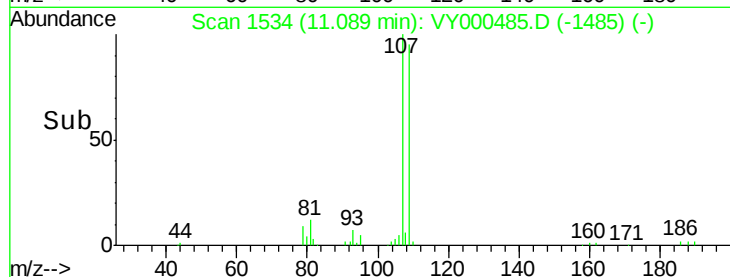
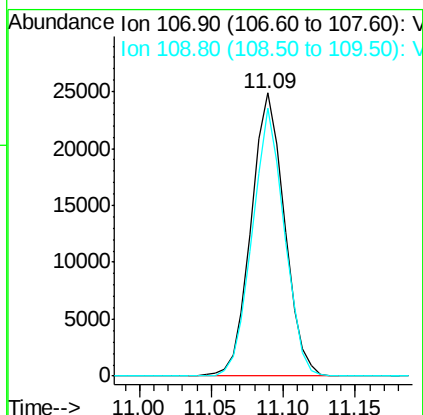
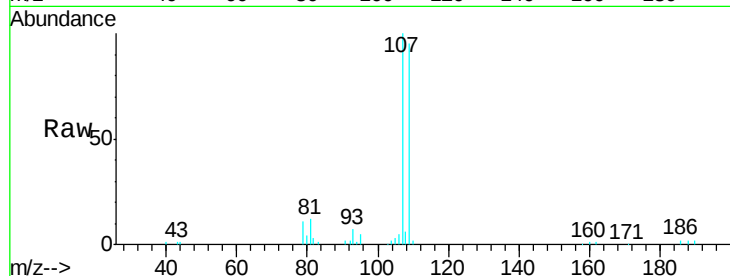




#61
 1,2-Dibromoethane
 Concen: 19.891 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

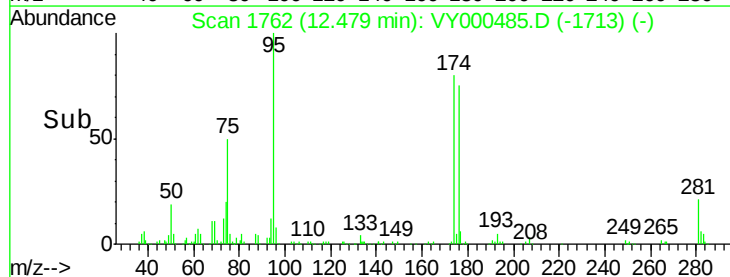
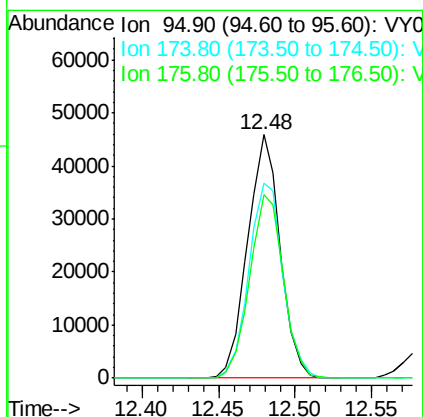
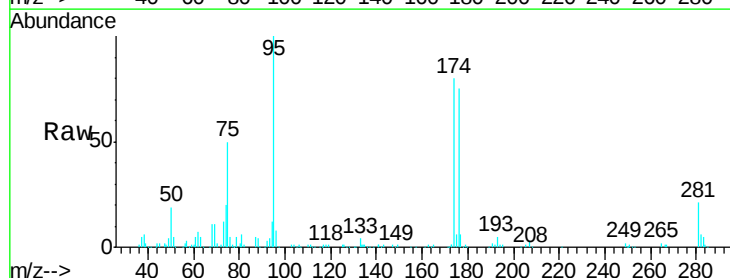
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion: 107 Resp: 39770
 Ion Ratio Lower Upper
 107 100
 109 90.9 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 20.789 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 95 Resp: 67561
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 161.6
 176 78.3 0.0 157.8

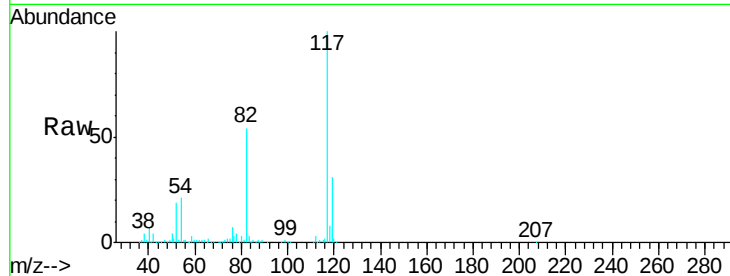




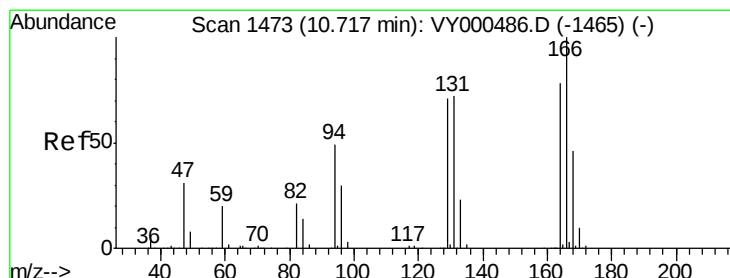
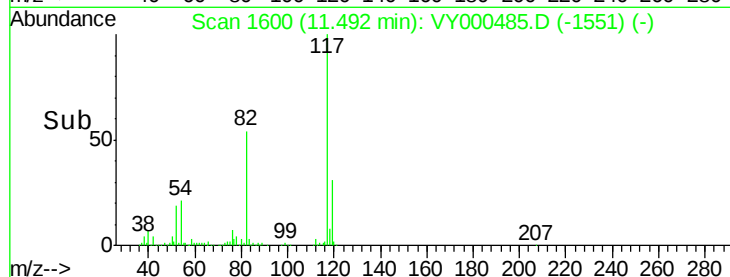
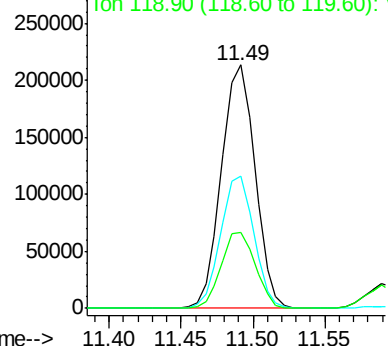
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 344879
Ion Ratio Lower Upper
117 100
82 54.1 40.8 61.2
119 31.1 26.2 39.2



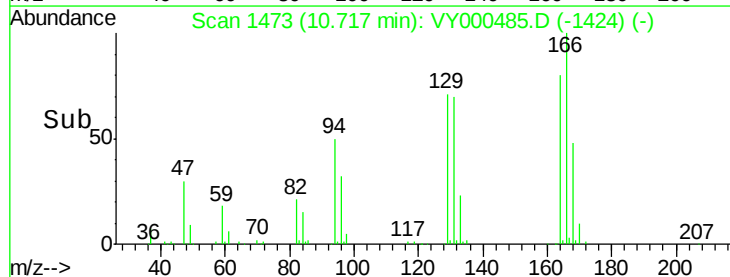
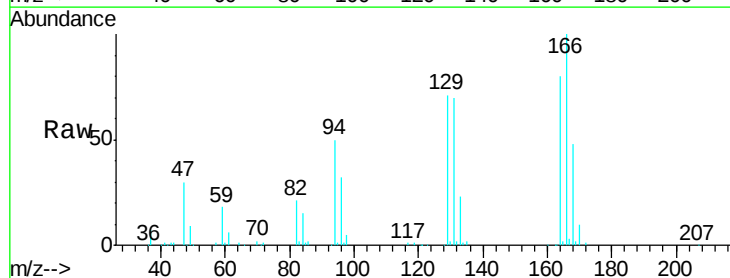
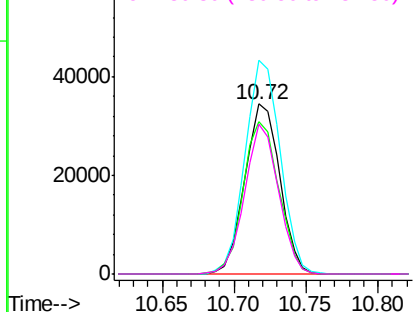
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

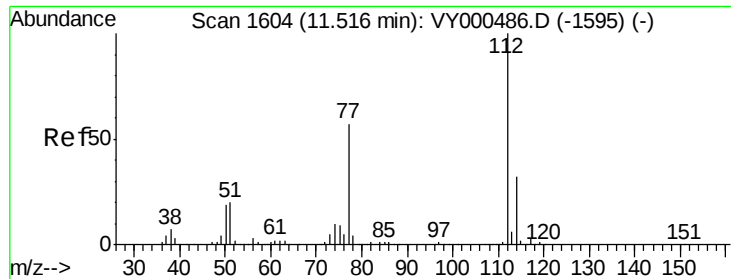


#64
Tetrachloroethene
Concen: 20.293 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion:164 Resp: 57870
Ion Ratio Lower Upper
164 100
166 125.6 102.7 154.1
129 89.2 73.2 109.8
131 87.7 74.2 111.2

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





#65

Chlorobenzene

Concen: 19.795 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

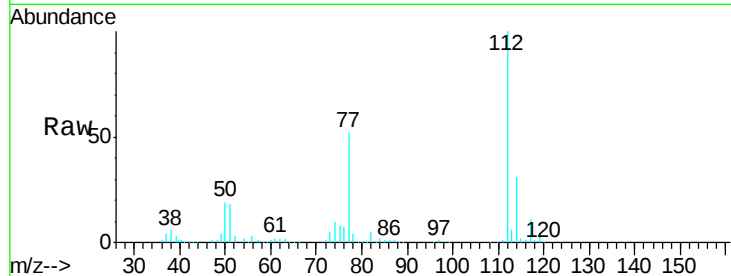
VSTDIC020

Tgt Ion:112 Resp: 138413

Ion Ratio Lower Upper

112 100

114 30.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

100000

80000

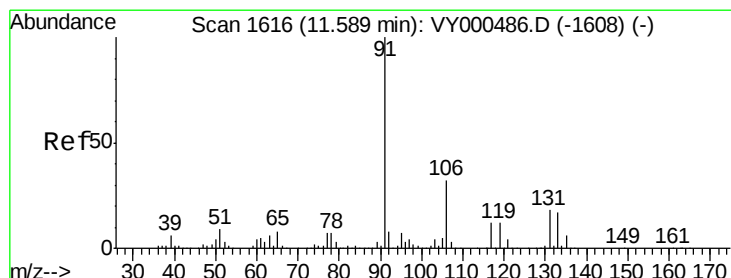
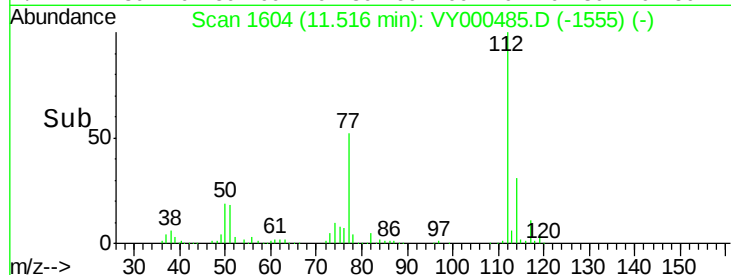
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

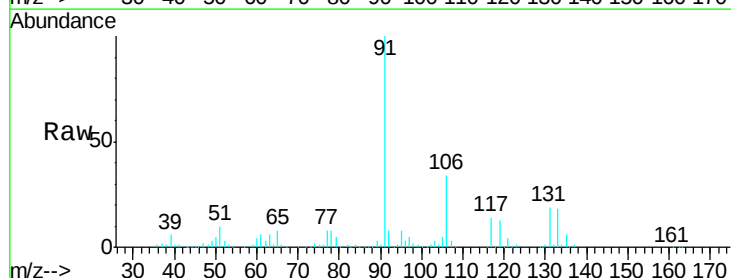
Tgt Ion:131 Resp: 47699

Ion Ratio Lower Upper

131 100

133 92.8 47.9 143.8

119 66.3 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.59

80000

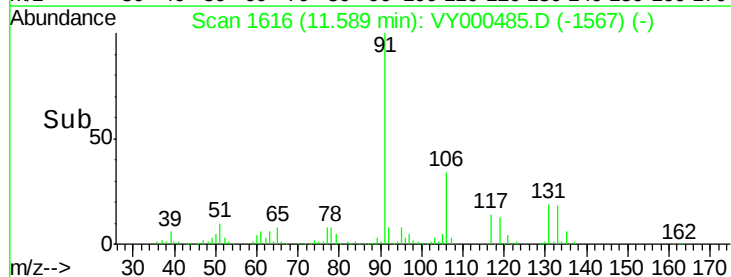
60000

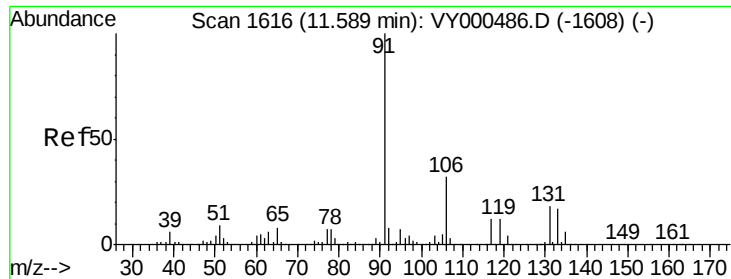
40000

20000

0

Time-->

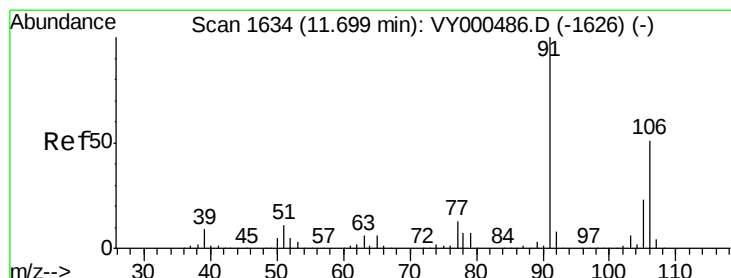
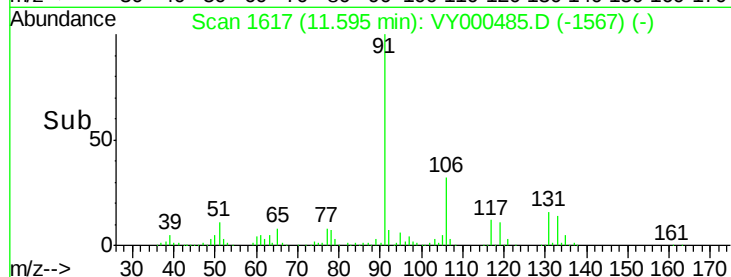
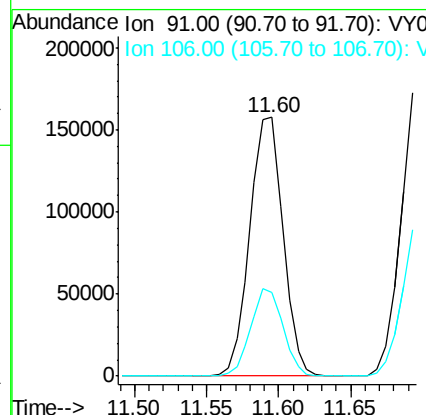
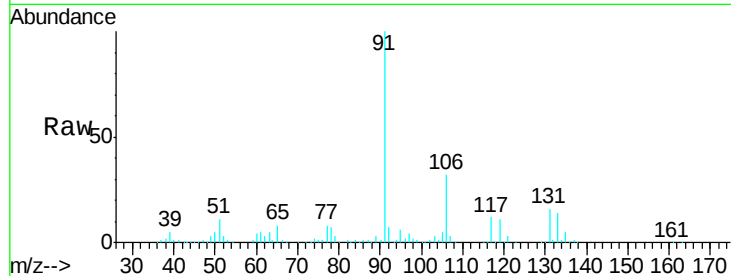




#67
Ethyl Benzene
Concen: 19.556 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

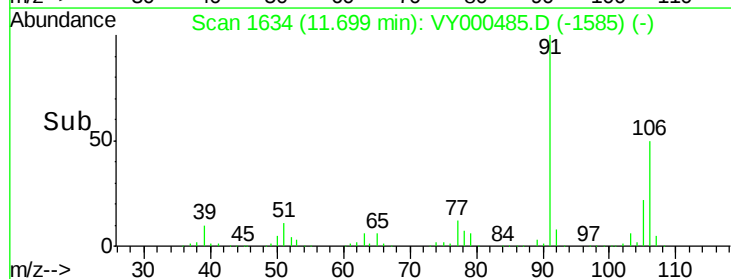
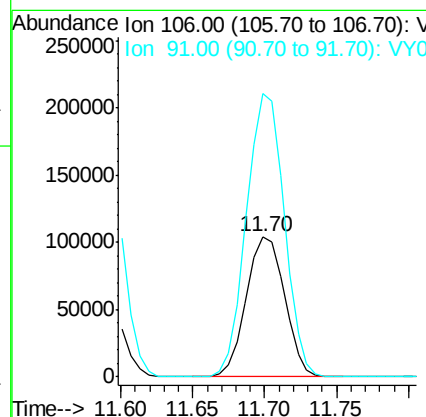
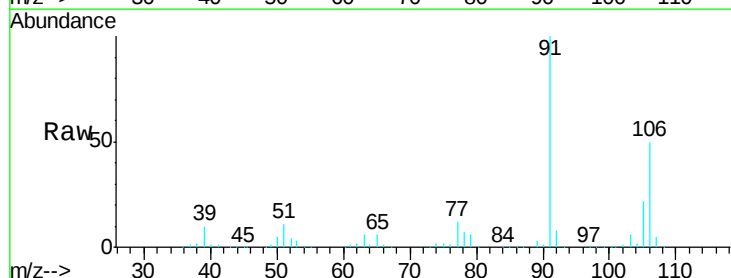
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

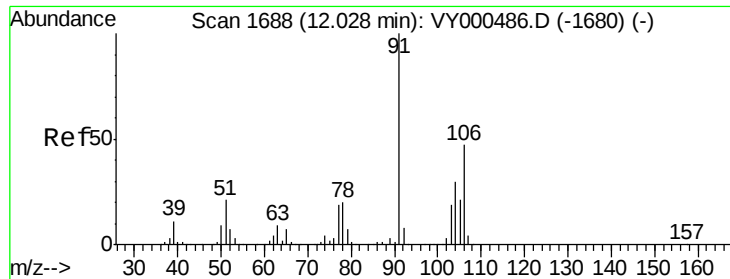
Tgt Ion: 91 Resp: 251663
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.0



#68
m/p-Xylenes
Concen: 38.601 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 106 Resp: 192263
Ion Ratio Lower Upper
106 100
91 199.4 155.9 233.9

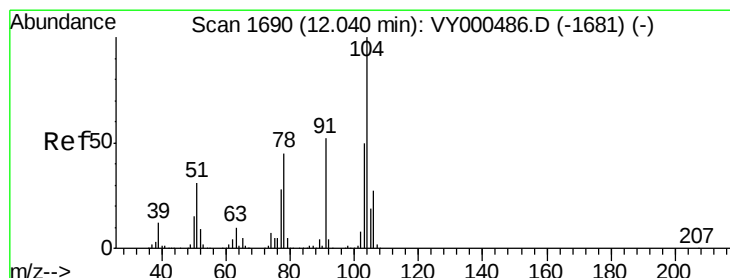
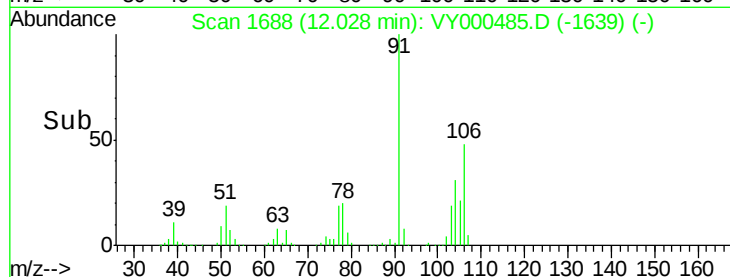
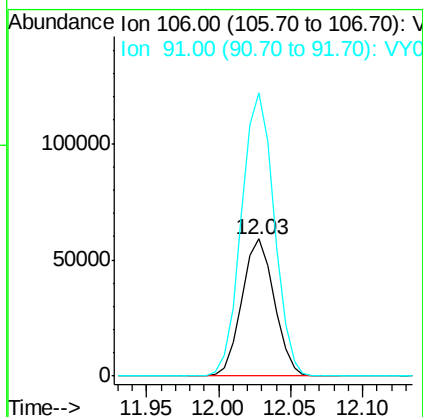
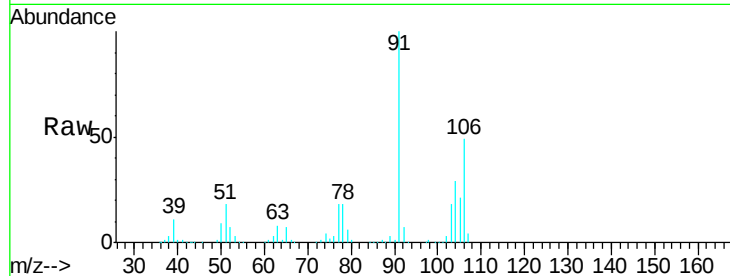




#69
o-Xylene
Concen: 19.693 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

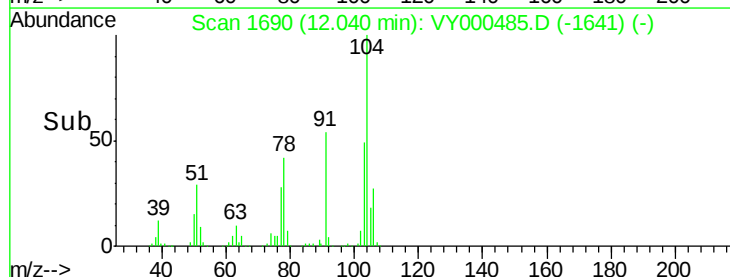
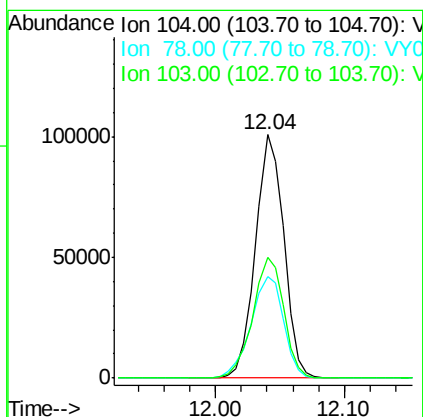
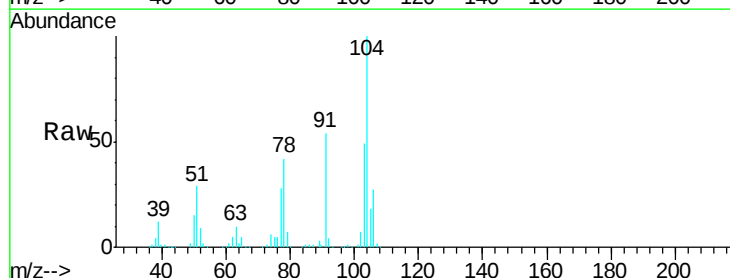
Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

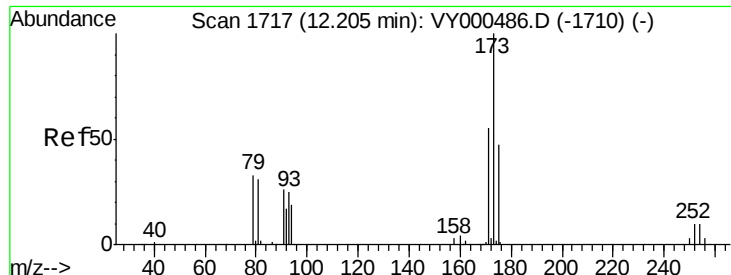
Tgt Ion:106 Resp: 92183
Ion Ratio Lower Upper
106 100
91 207.9 106.5 319.6



#70
Styrene
Concen: 19.143 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion:104 Resp: 153443
Ion Ratio Lower Upper
104 100
78 47.7 39.0 58.4
103 53.9 42.5 63.7





#71

Bromoform

Concen: 19.484 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

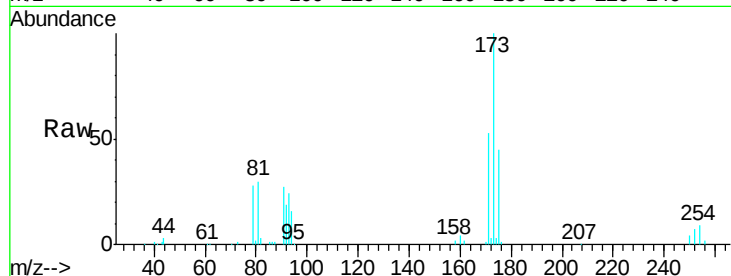
Tgt Ion:173 Resp: 27176

Ion Ratio Lower Upper

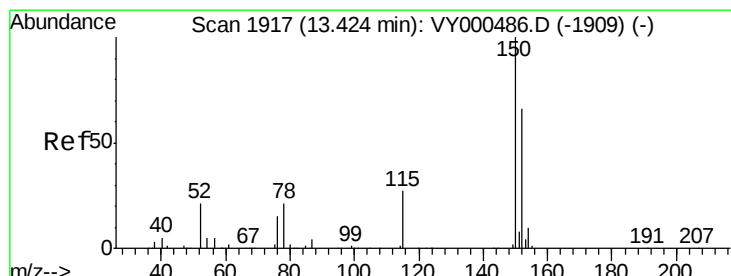
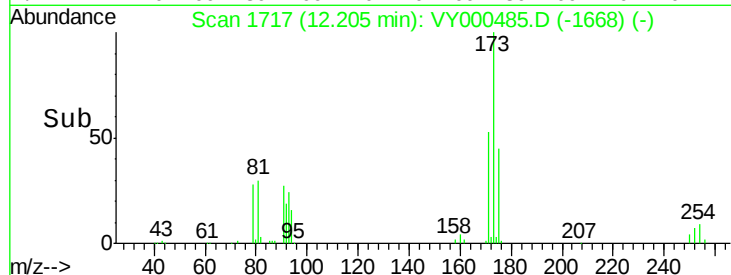
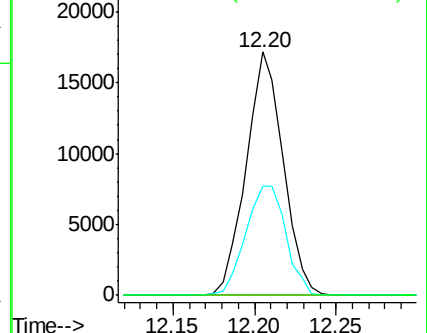
173 100

175 48.8 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

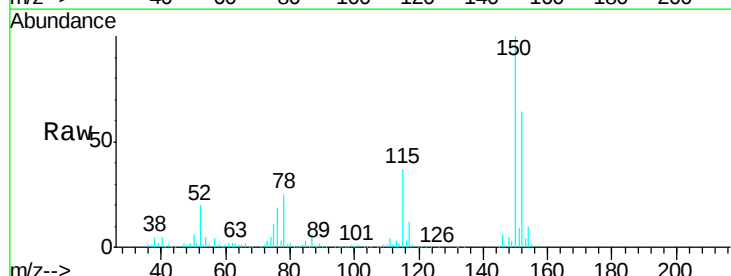
Tgt Ion:152 Resp: 168432

Ion Ratio Lower Upper

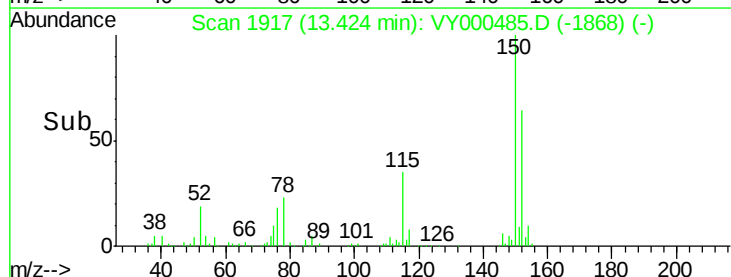
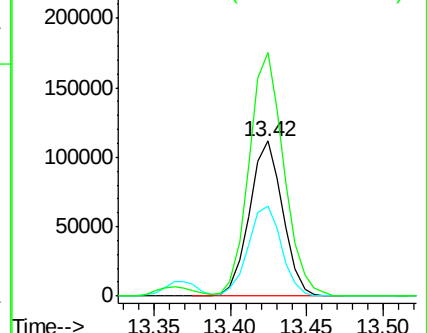
152 100

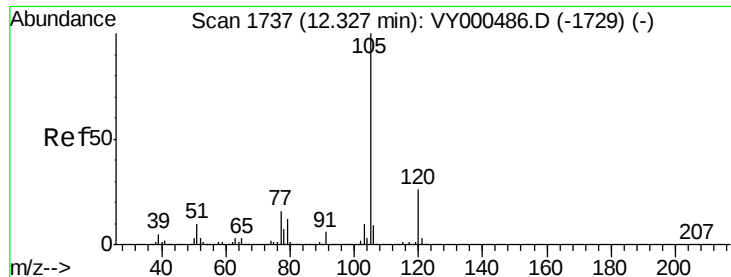
115 58.9 29.1 87.4

150 164.7 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: 19.458 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

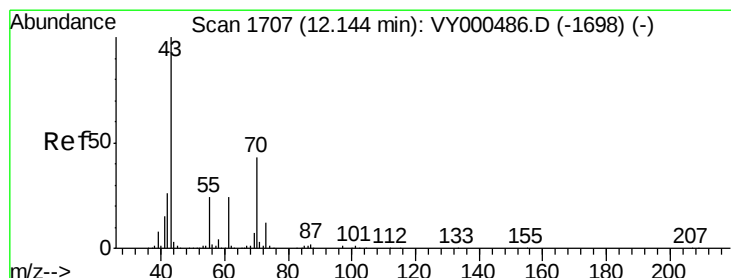
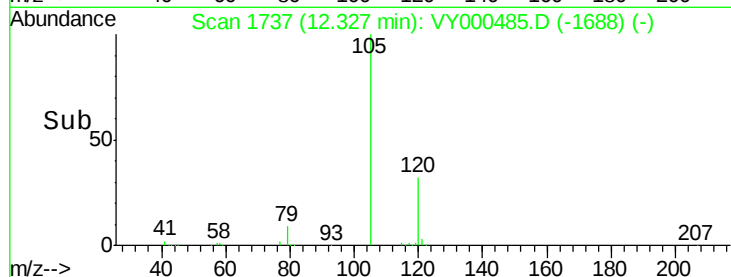
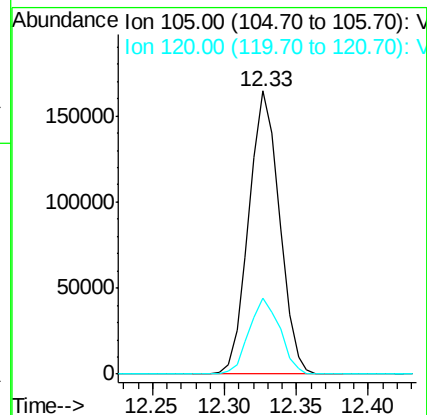
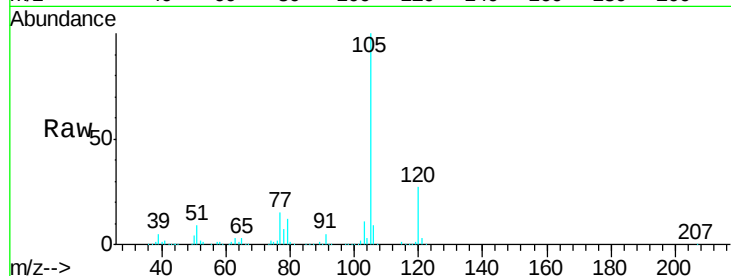
VSTDIC020

Tgt Ion:105 Resp: 242223

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 19.511 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Tgt Ion: 43 Resp: 69559

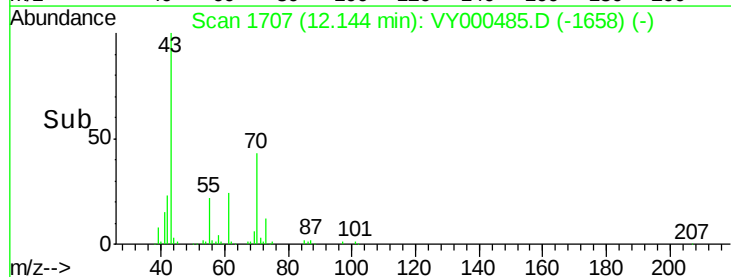
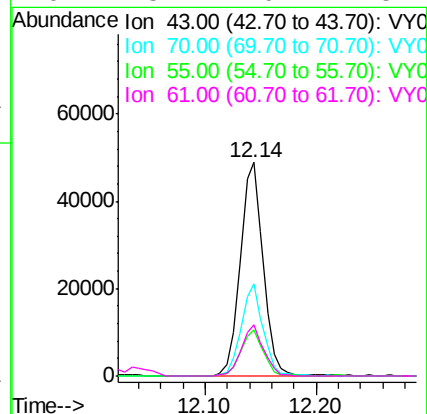
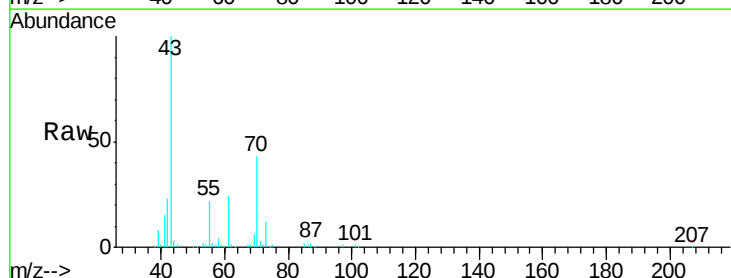
Ion Ratio Lower Upper

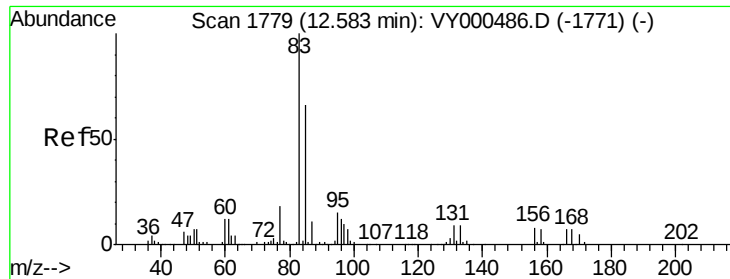
43 100

70 41.3 33.1 49.7

55 21.2 18.0 27.0

61 23.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.459 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

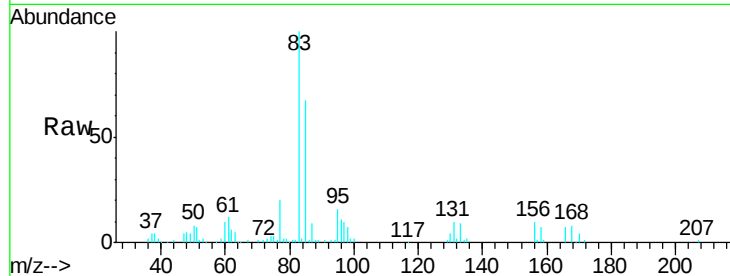
Tgt Ion: 83 Resp: 47963

Ion Ratio Lower Upper

83 100

131 11.1 5.0 14.9

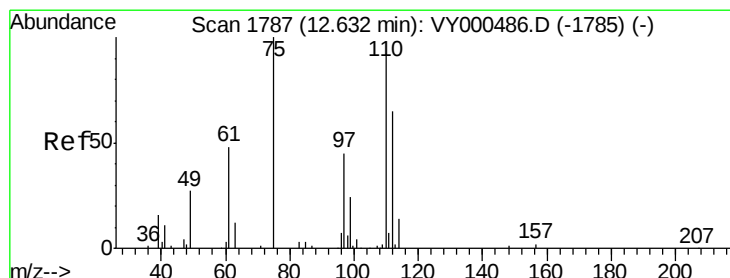
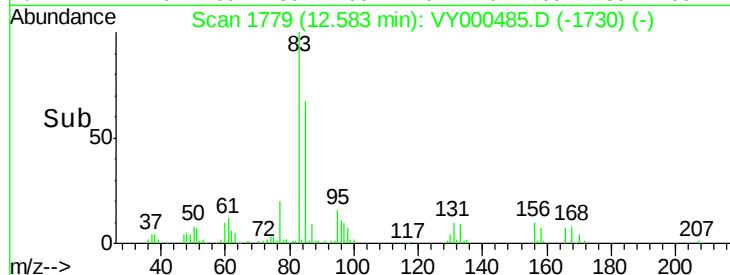
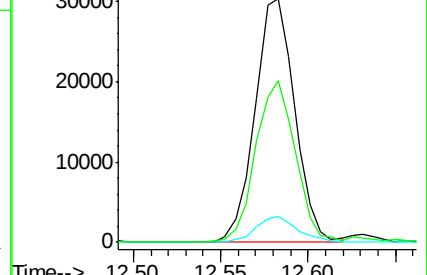
85 66.3 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VY000486.D (-1771) (-)

Ion 130.80 (130.50 to 131.50): VY000486.D (-1771) (-)

Ion 84.90 (84.60 to 85.60): VY000486.D (-1771) (-)



#76

1,2,3-Trichloropropane

Concen: 21.080 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000485.D

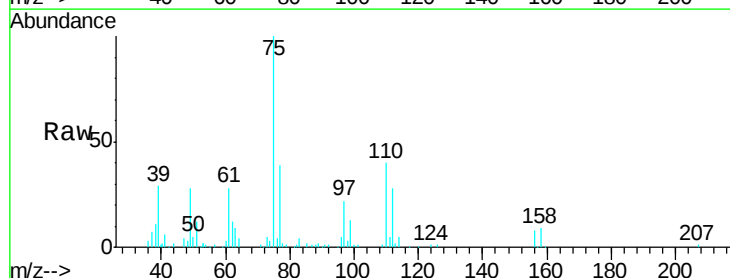
Acq: 30 Oct 2019 11:24

Tgt Ion: 75 Resp: 65661

Ion Ratio Lower Upper

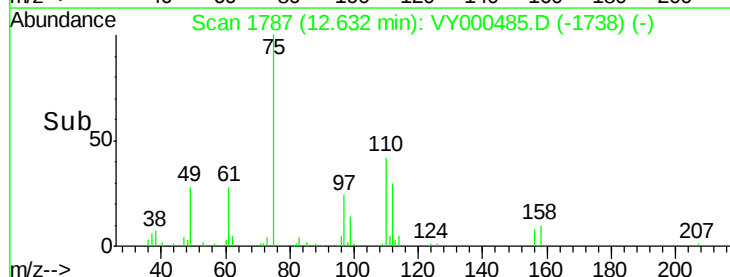
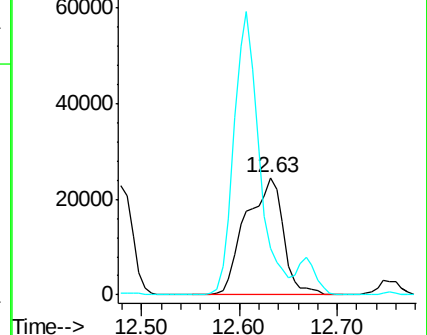
75 100

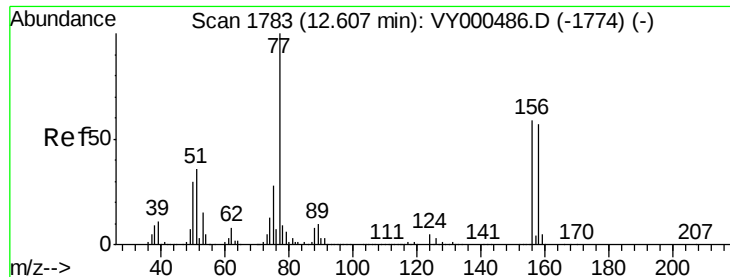
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY000486.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY000486.D (-1785) (-)





#77

Bromobenzene

Concen: 19.744 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

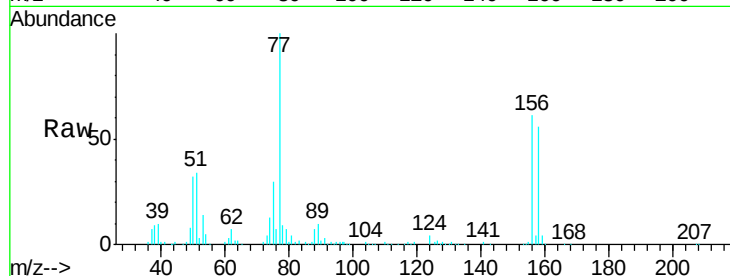
Tgt Ion:156 Resp: 55737

Ion Ratio Lower Upper

156 100

77 191.3 98.2 294.4

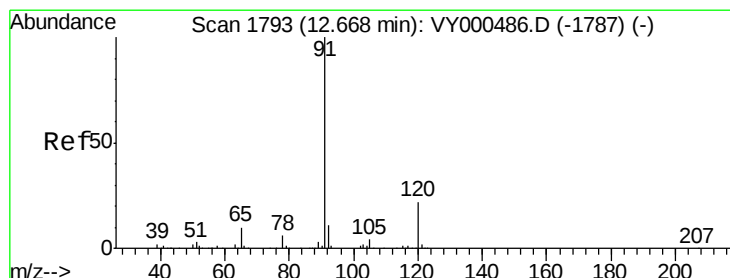
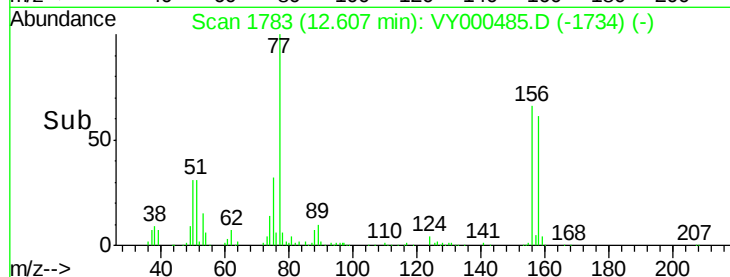
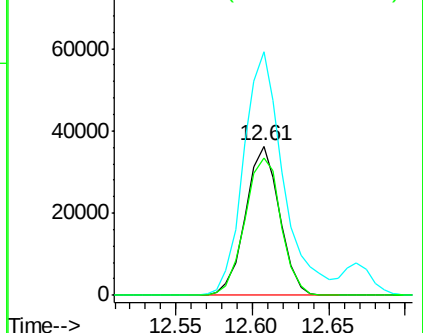
158 97.8 49.6 149.0



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: 19.629 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000485.D

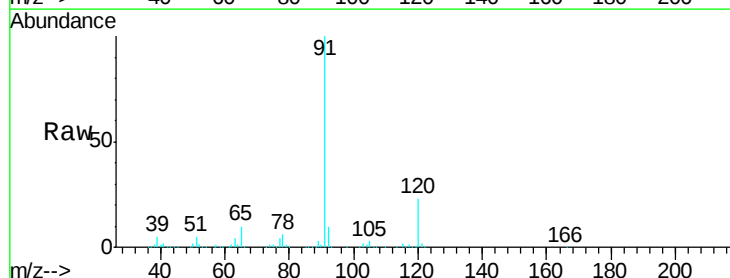
Acq: 30 Oct 2019 11:24

Tgt Ion: 91 Resp: 294835

Ion Ratio Lower Upper

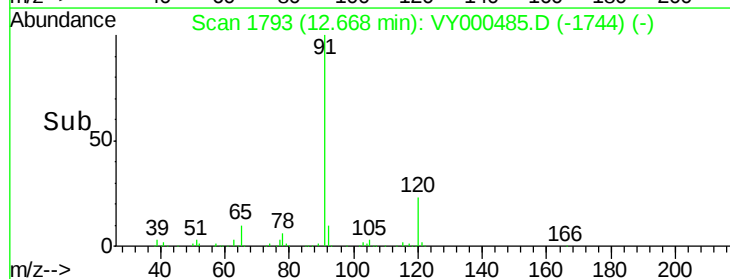
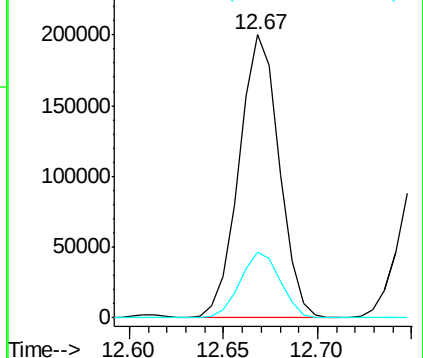
91 100

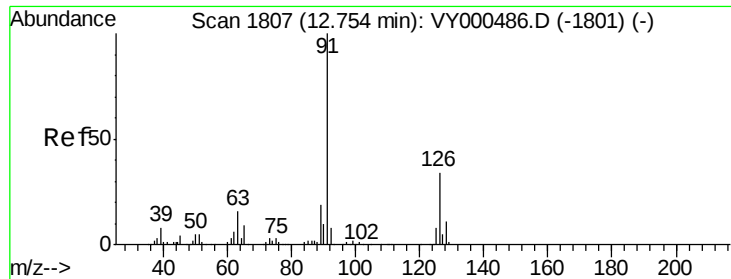
120 23.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.531 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

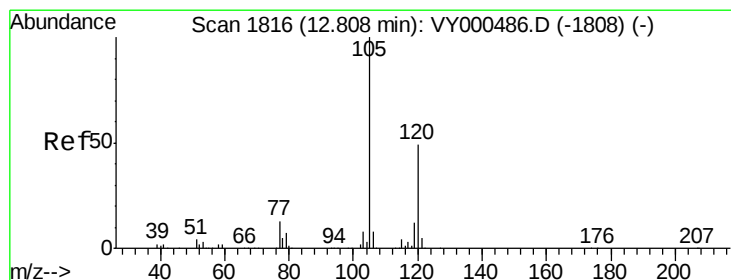
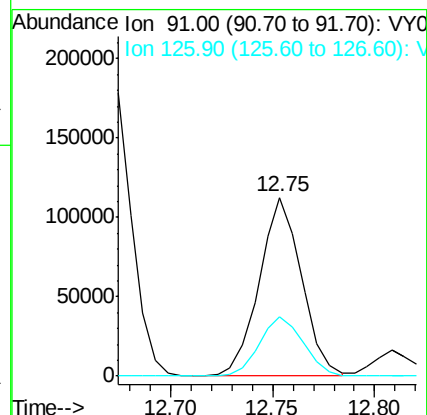
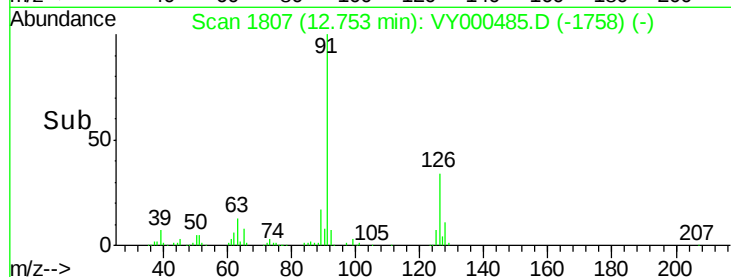
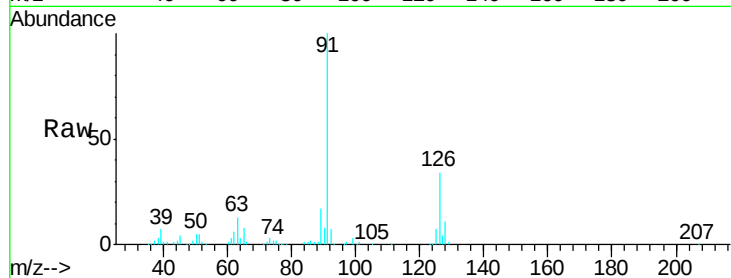
VSTDIC020

Tgt Ion: 91 Resp: 162863

Ion Ratio Lower Upper

91 100

126 34.5 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 20.075 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000485.D

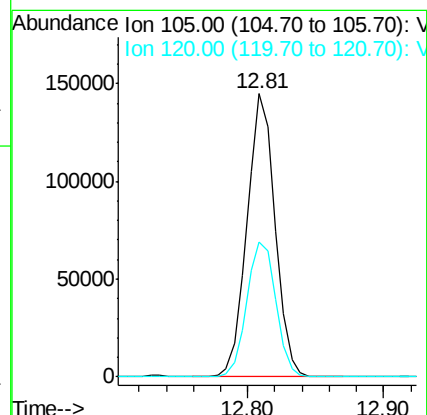
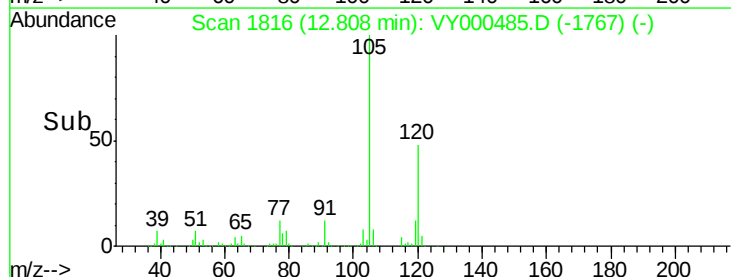
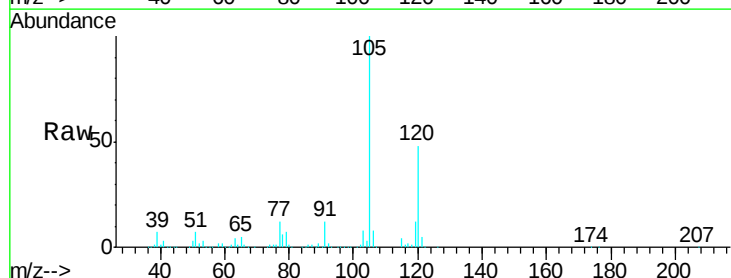
Acq: 30 Oct 2019 11:24

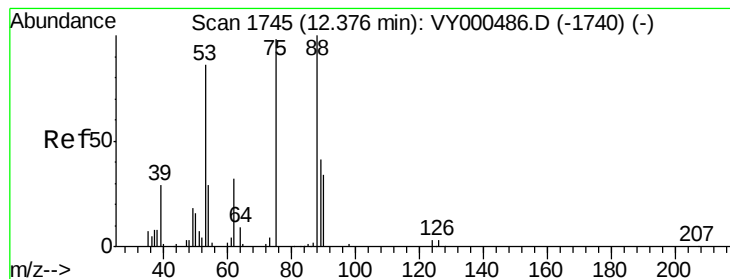
Tgt Ion: 105 Resp: 208130

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.958 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

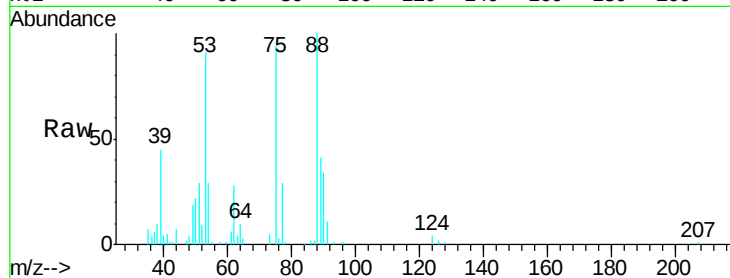
Tgt Ion: 75 Resp: 16216

Ion Ratio Lower Upper

75 100

53 97.2 73.2 109.8

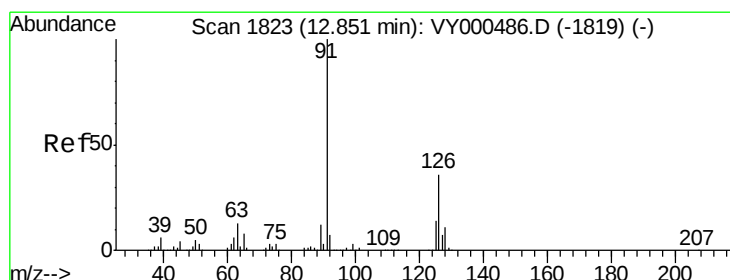
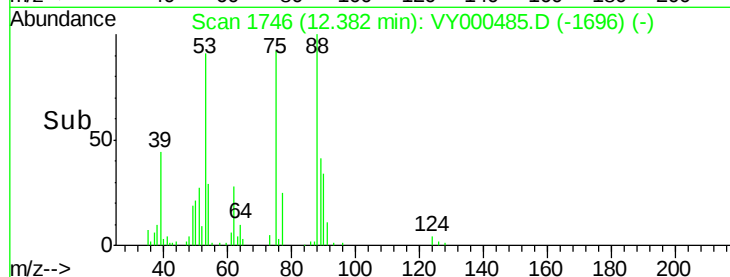
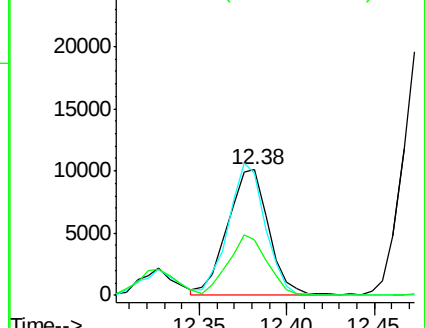
89 46.2 35.9 53.9



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: 19.597 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000485.D

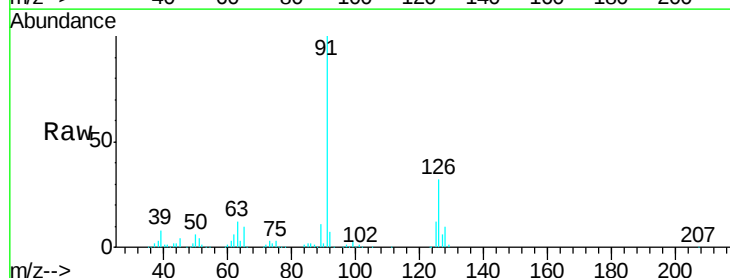
Acq: 30 Oct 2019 11:24

Tgt Ion: 91 Resp: 169385

Ion Ratio Lower Upper

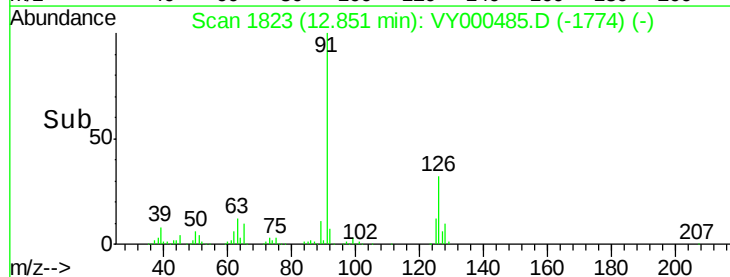
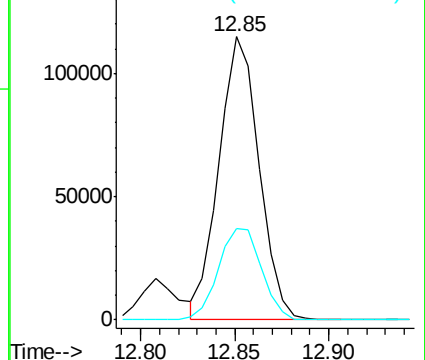
91 100

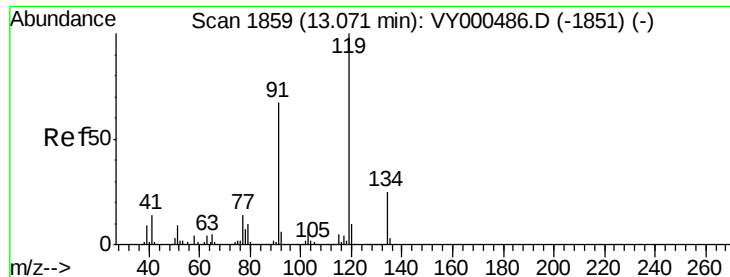
126 34.9 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.673 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

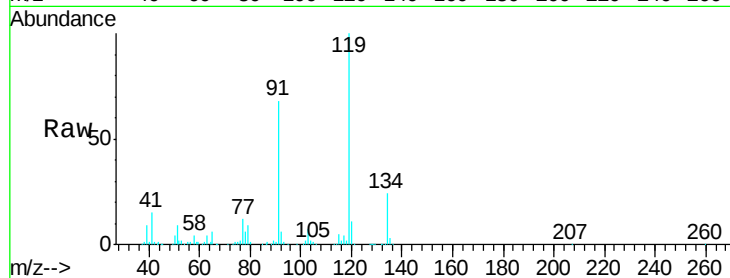
Tgt Ion:119 Resp: 174147

Ion Ratio Lower Upper

119 100

91 65.5 32.1 96.3

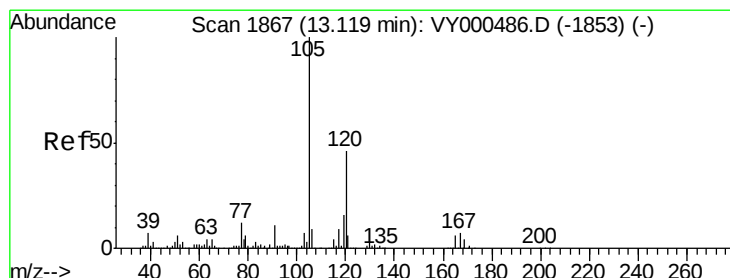
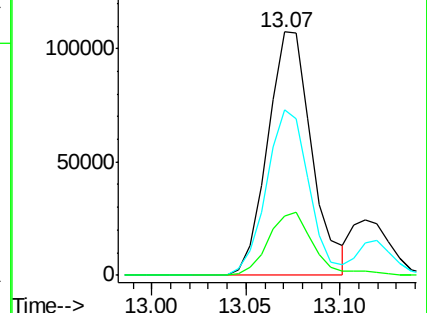
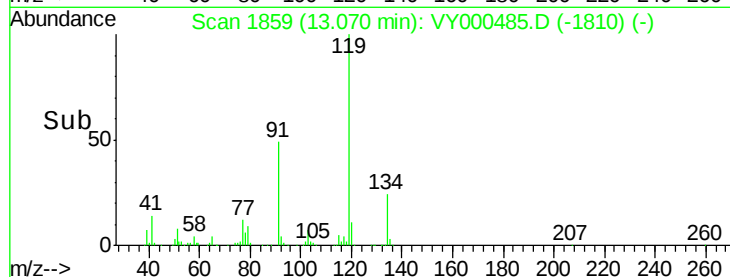
134 26.7 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.780 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000485.D

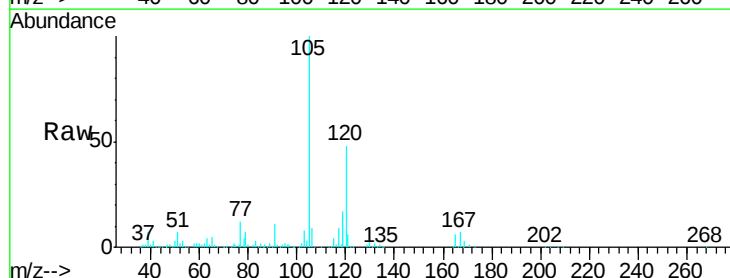
Acq: 30 Oct 2019 11:24

Tgt Ion:105 Resp: 204184

Ion Ratio Lower Upper

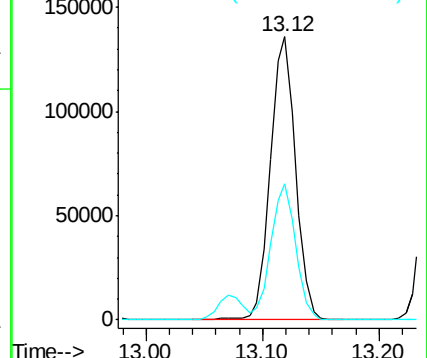
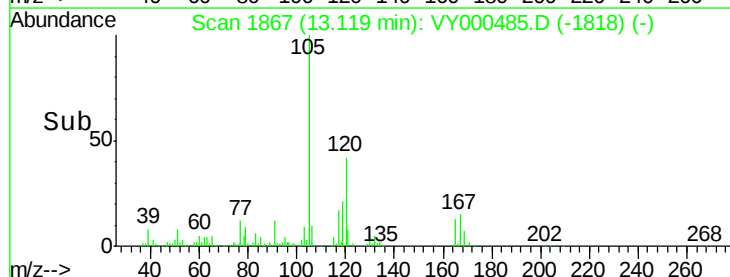
105 100

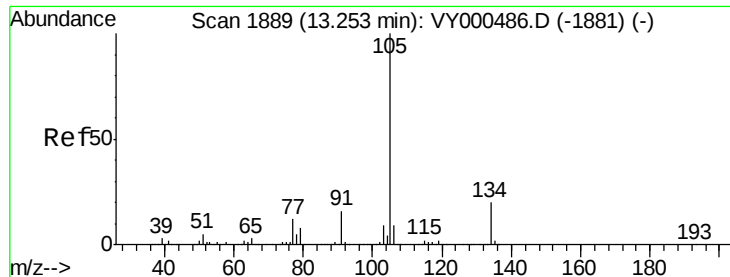
120 47.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.673 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

Instrument :

MSVOA_Y

ClientSampleId :

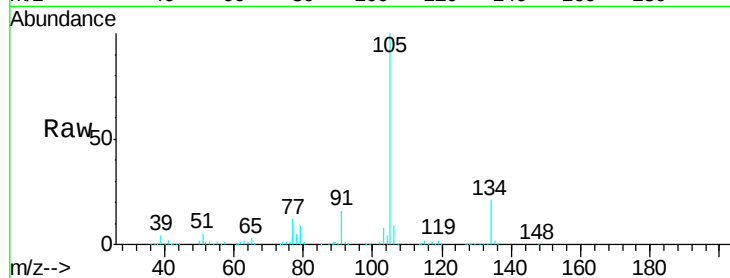
VSTDIC020

Tgt Ion:105 Resp: 248110

Ion Ratio Lower Upper

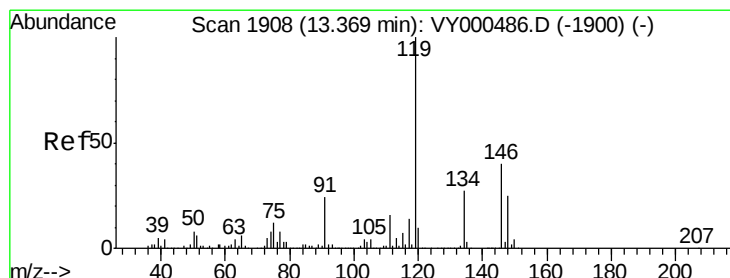
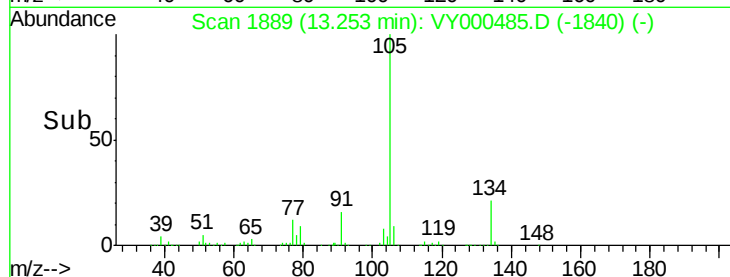
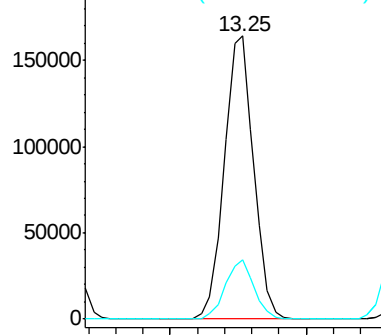
105 100

134 20.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.010 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000485.D

Acq: 30 Oct 2019 11:24

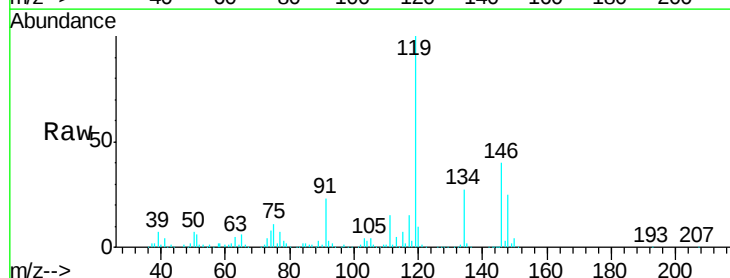
Tgt Ion:119 Resp: 224920

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

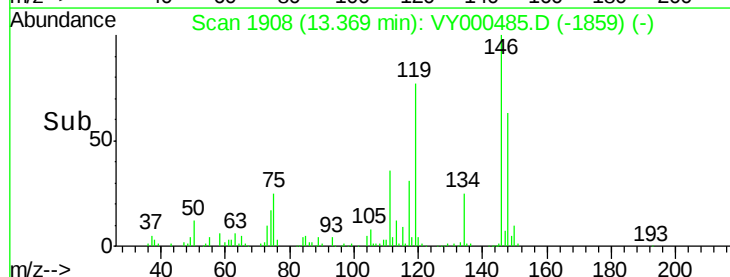
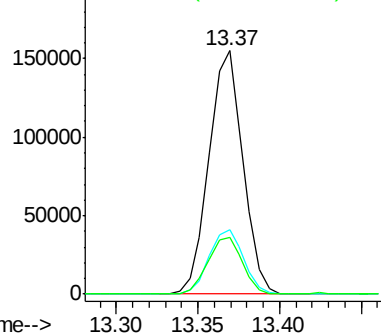
91 23.8 12.0 36.1

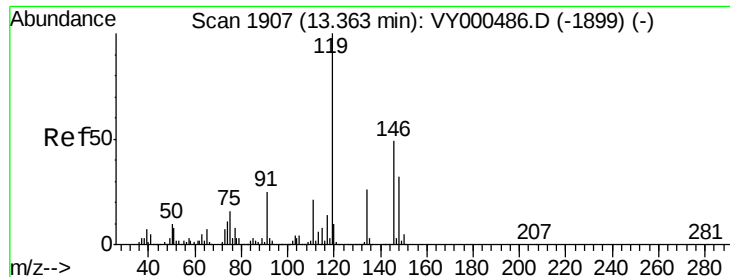


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

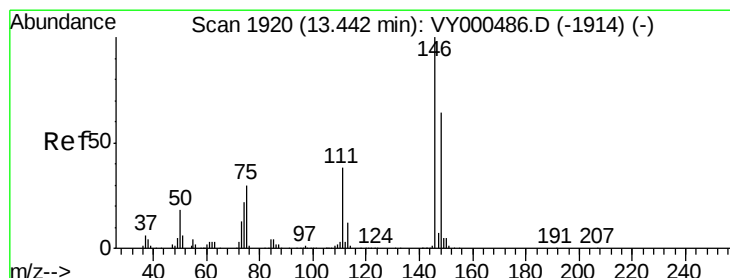
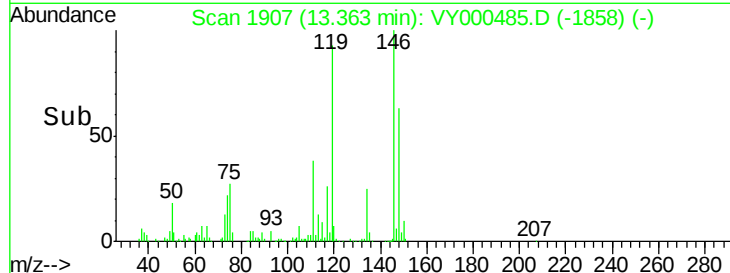
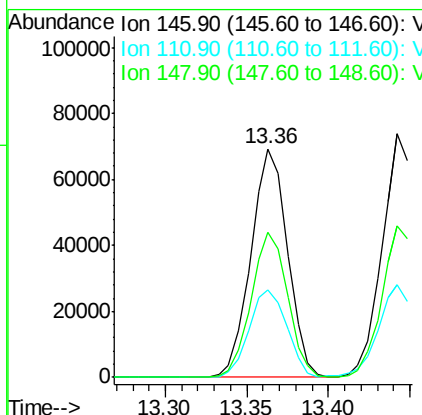
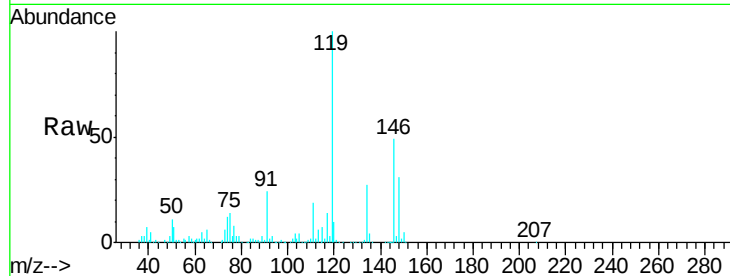




#87
 1,3-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

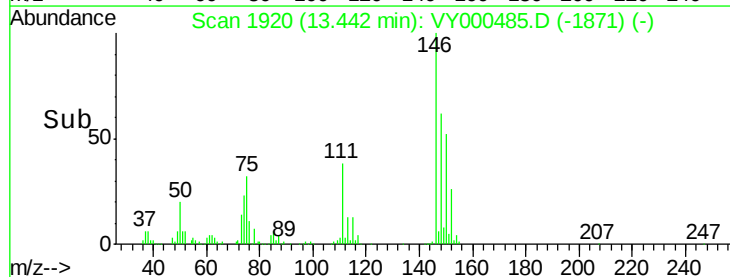
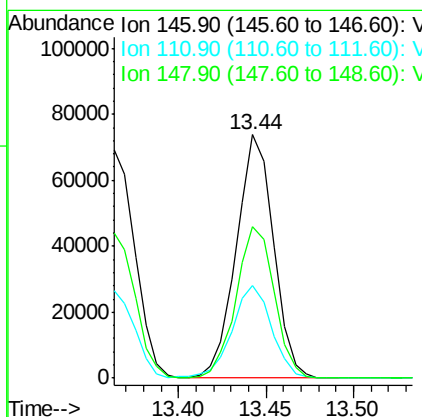
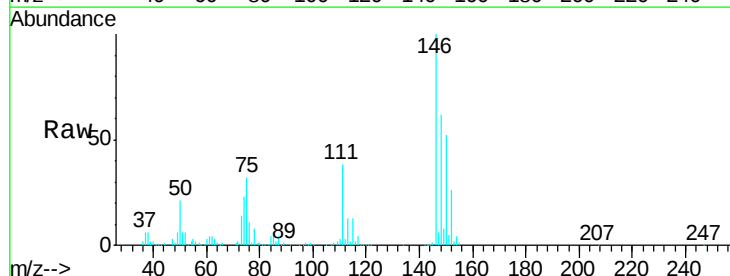
Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC020

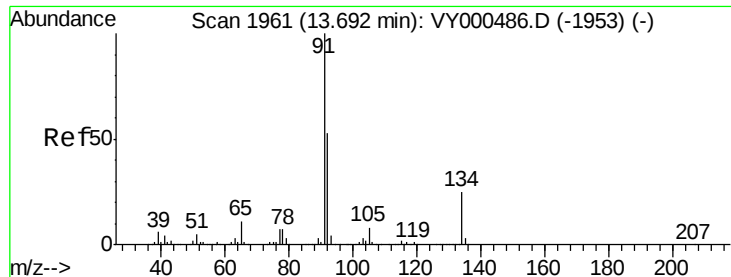
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.0	31.5	94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.816 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	64.0	31.9	95.7

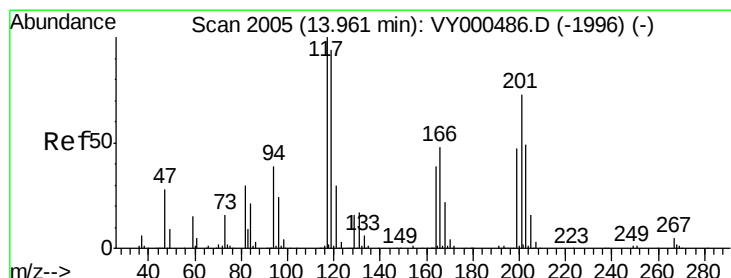
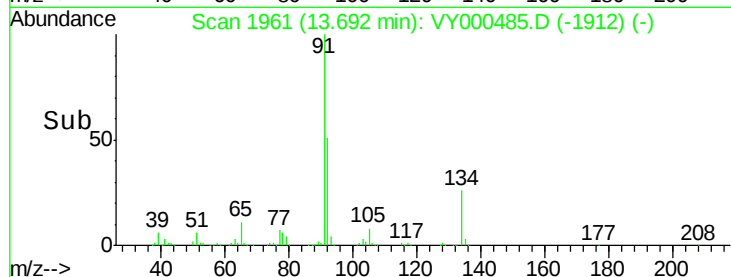
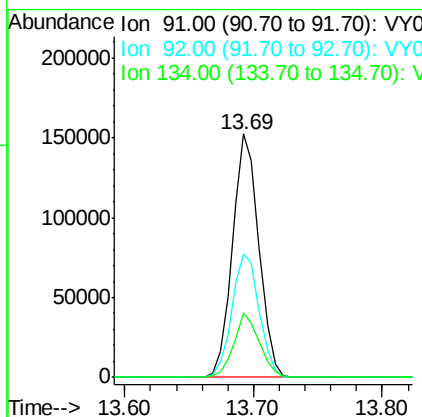
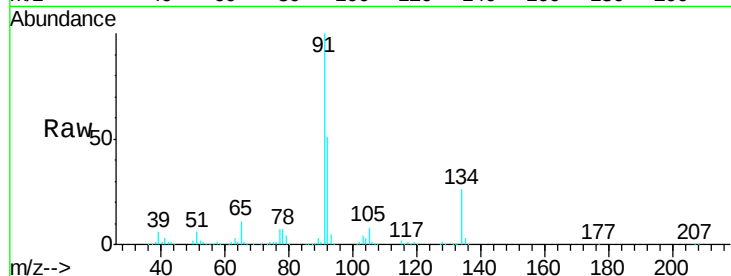




#89
n-Butylbenzene
Concen: 19.599 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

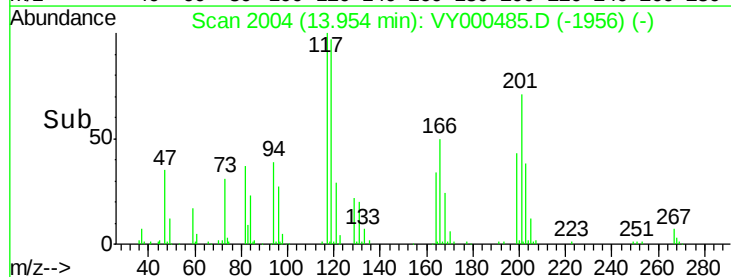
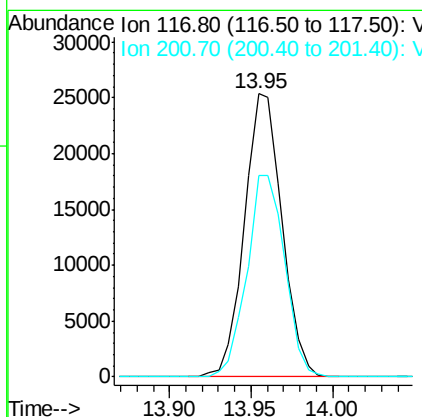
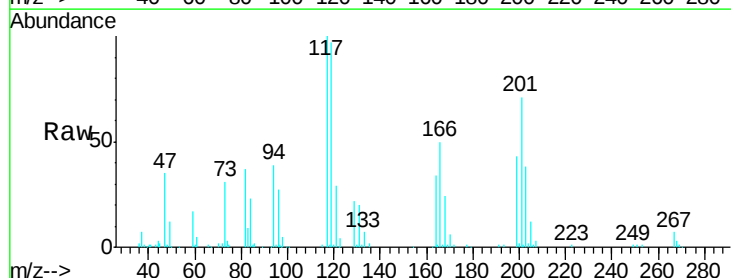
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

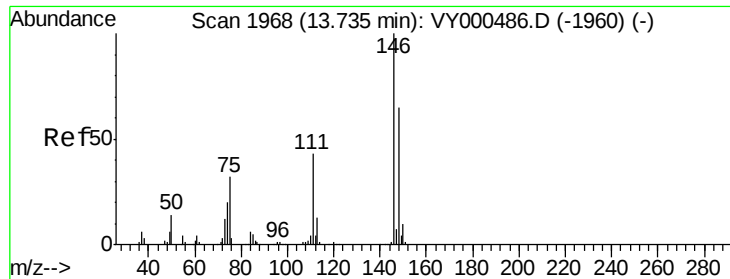
Tgt Ion: 91 Resp: 217283
Ion Ratio Lower Upper
91 100
92 52.6 26.8 80.3
134 25.6 12.9 38.7



#90
Hexachloroethane
Concen: 19.539 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion: 117 Resp: 40602
Ion Ratio Lower Upper
117 100
201 71.8 35.8 107.3

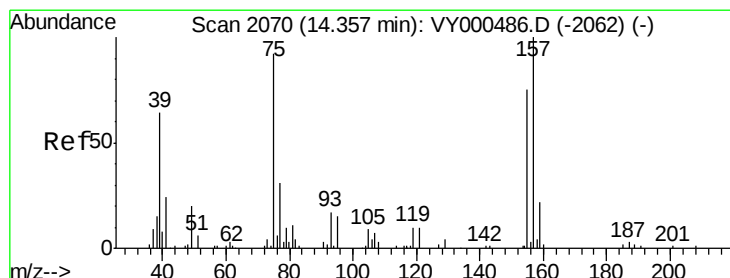
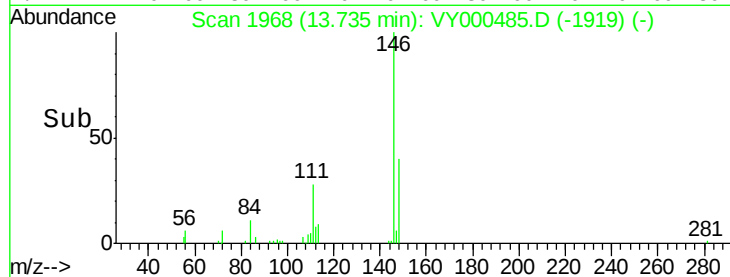
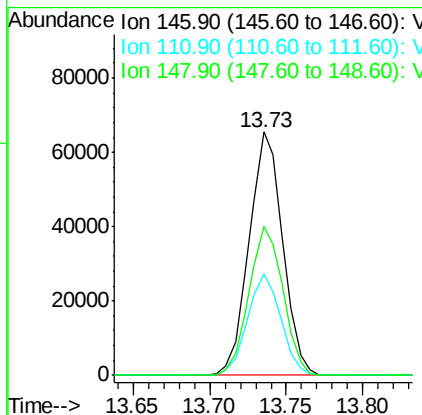
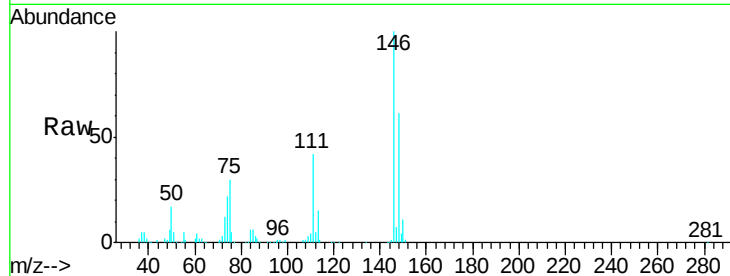




#91
 1,2-Dichlorobenzene
 Concen: 19.901 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

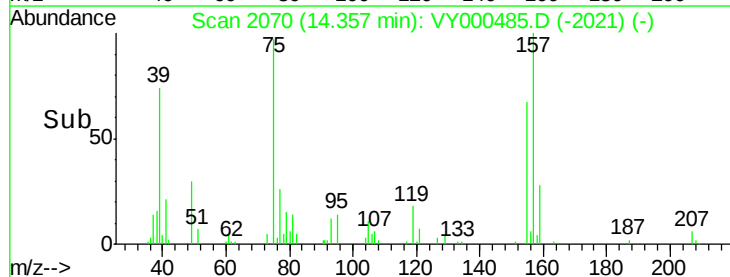
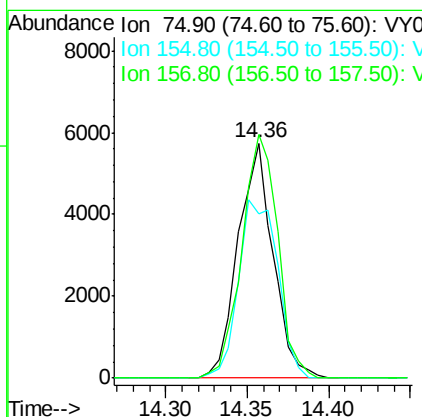
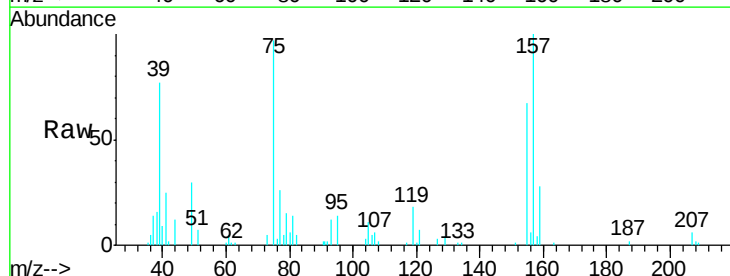
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

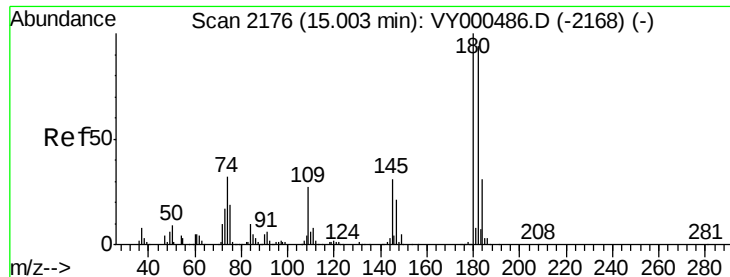
Tgt Ion:146 Resp: 99840
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.5 61.5
 148 62.1 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.621 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion: 75 Resp: 8559
 Ion Ratio Lower Upper
 75 100
 155 84.6 42.4 127.1
 157 106.8 55.1 165.3

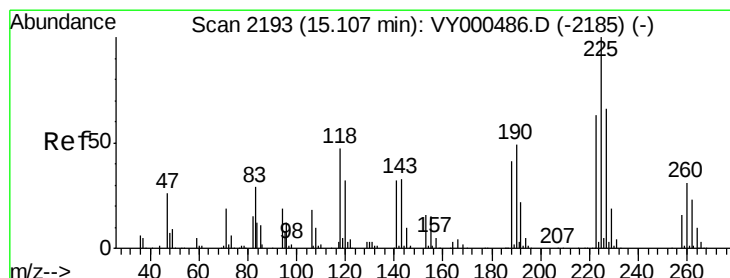
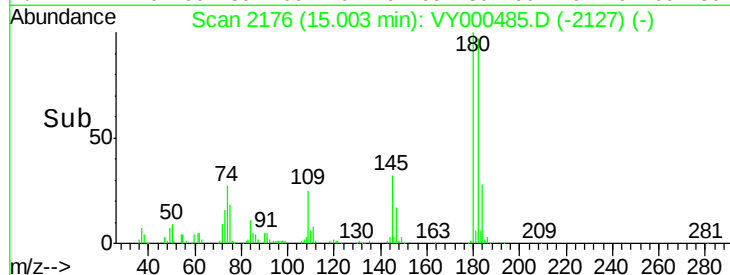
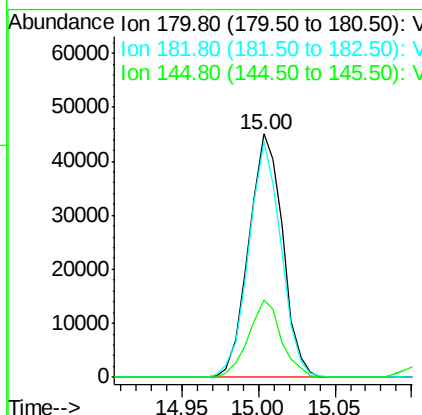
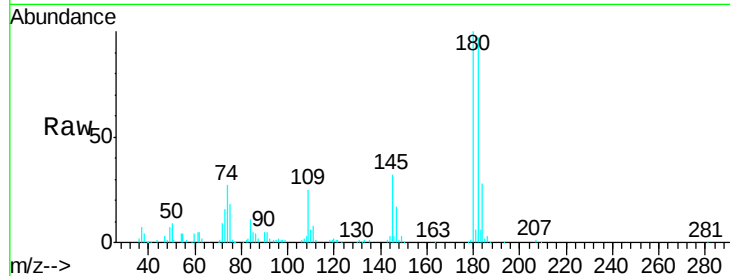




#93
 1,2,4-Trichlorobenzene
 Concen: 20.360 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

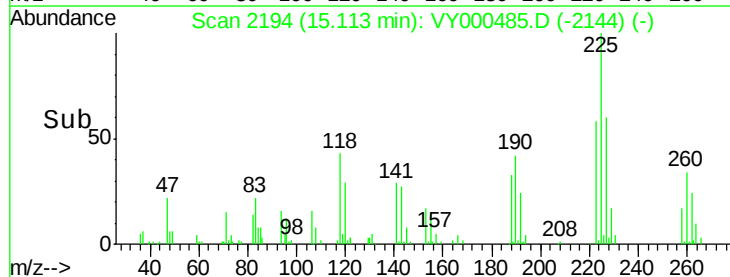
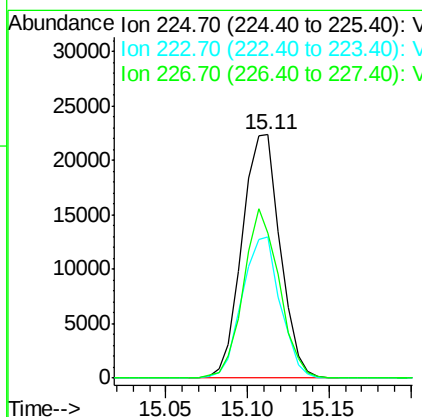
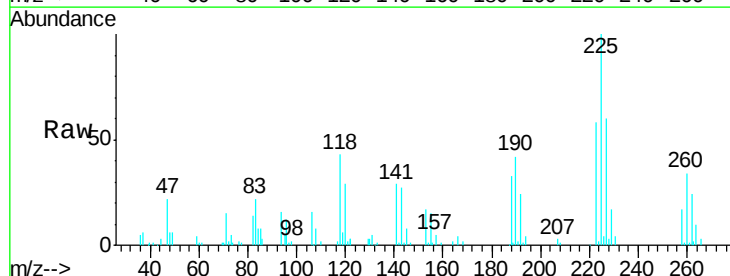
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

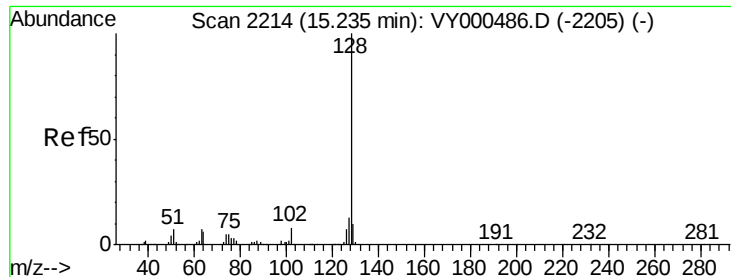
Tgt Ion:180 Resp: 69548
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.8 143.4
 145 30.8 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 20.744 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000485.D
 Acq: 30 Oct 2019 11:24

Tgt Ion:225 Resp: 36526
 Ion Ratio Lower Upper
 225 100
 223 57.9 31.3 93.8
 227 65.1 32.4 97.0

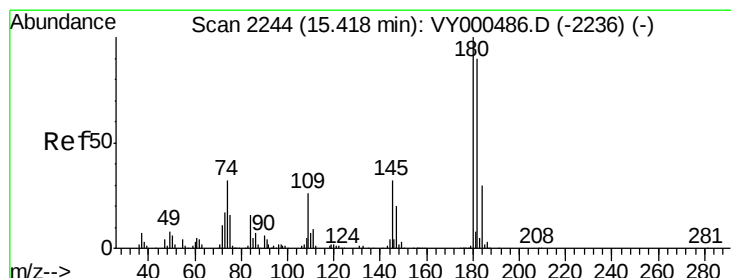
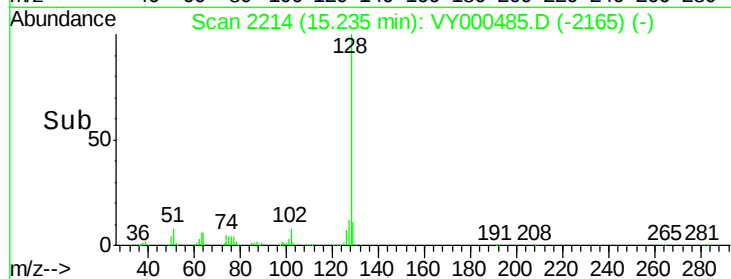
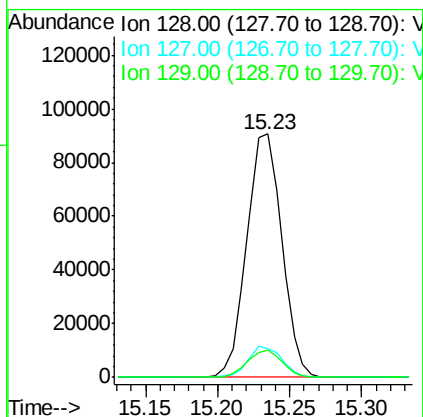
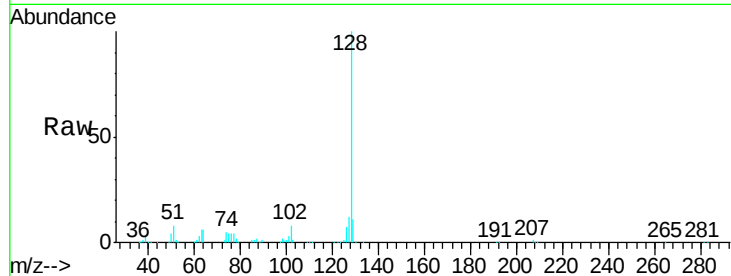




#95
Naphthalene
Concen: 20.153 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 152819
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.896 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000485.D
Acq: 30 Oct 2019 11:24

Tgt Ion:180 Resp: 60973
Ion Ratio Lower Upper
180 100
182 94.7 47.4 142.3
145 33.0 15.7 47.0

