

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020420\
 Data File : VY001483.D
 Acq On : 04 Feb 2020 13:38
 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: Feb 04 14:40:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	234661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	408603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	358883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	170125	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	45498	18.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.36%	
35) Dibromofluoromethane	7.74	113	49515	20.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.54%	
50) Toluene-d8	10.19	98	164598	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	
62) 4-Bromofluorobenzene	12.49	95	74602	20.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	47546	24.54	ug/l	97
3) Chloromethane	2.12	50	49862	18.15	ug/l	99
4) Vinyl Chloride	2.26	62	52952	18.53	ug/l	99
5) Bromomethane	2.65	94	31646	16.47	ug/l	95
6) Chloroethane	2.80	64	31602	17.44	ug/l	99
7) Trichlorofluoromethane	3.14	101	86286	22.67	ug/l	100
8) Diethyl Ether	3.55	74	29034	18.77	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	51926	21.65	ug/l	99
10) Methyl Iodide	4.11	142	65194	20.77	ug/l	100
11) Tert butyl alcohol	4.98	59	37051	97.96	ug/l #	92
12) 1,1-Dichloroethene	3.89	96	52495	20.98	ug/l	97
13) Acrolein	3.75	56	22921	104.57	ug/l	97
14) Allyl chloride	4.50	41	78167	18.00	ug/l	100
15) Acrylonitrile	5.19	53	65726	84.62	ug/l	99
16) Acetone	3.97	43	61037	83.40	ug/l	98
17) Carbon Disulfide	4.21	76	163799	20.74	ug/l	98
18) Methyl Acetate	4.50	43	29897	14.63	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	134881	18.81	ug/l	97
20) Methylene Chloride	4.74	84	62223	16.00	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	57324	19.90	ug/l	100
22) Diisopropyl ether	6.14	45	155642	17.00	ug/l	97
23) Vinyl Acetate	6.09	43	495534	83.93	ug/l	99
24) 1,1-Dichloroethane	6.05	63	94000	19.14	ug/l	99
25) 2-Butanone	7.01	43	85966	80.05	ug/l	97
26) 2,2-Dichloropropane	7.00	77	88878	20.11	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	61600	19.25	ug/l	99
28) Bromochloromethane	7.36	49	28640	14.45	ug/l	98
29) Tetrahydrofuran	7.37	42	53805	77.98	ug/l	99
30) Chloroform	7.53	83	94795	19.53	ug/l	99
31) Cyclohexane	7.80	56	94664	19.30	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	87129	21.05	ug/l	98
36) 1,1-Dichloropropene	7.94	75	78721	20.33	ug/l	98
37) Ethyl Acetate	7.10	43	36721	16.22	ug/l	99
38) Carbon Tetrachloride	7.92	117	76020	21.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	102132	20.51	ug/l	98
40) Benzene	8.17	78	222827	19.38	ug/l	99
41) Methacrylonitrile	7.37	41	49979	43.25	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	61829	19.36	ug/l	100
43) Isopropyl Acetate	8.29	43	73546	16.71	ug/l	99
44) Trichloroethene	8.95	130	59610	20.02	ug/l	99
45) 1,2-Dichloropropane	9.23	63	54443	18.91	ug/l	97
46) Dibromomethane	9.32	93	29444	18.93	ug/l	98
47) Bromodichloromethane	9.50	83	72851	19.46	ug/l	99
48) Methyl methacrylate	9.30	41	32780	16.32	ug/l	99
49) 1,4-Dioxane	9.31	88	7832	362.68	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	180153	79.81	ug/l	99
52) Toluene	10.25	92	143347	19.68	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	79244	19.27	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	91429	19.28	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	42854	18.80	ug/l	99
56) Ethyl methacrylate	10.52	69	60280	17.64	ug/l	98
57) 1,3-Dichloropropane	10.80	76	75183	18.89	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	101121	82.76	ug/l	100
59) 2-Hexanone	10.84	43	129130	81.80	ug/l	100
60) Dibromochloromethane	10.99	129	49595	19.22	ug/l	99
61) 1,2-Dibromoethane	11.10	107	42374	19.55	ug/l	100
64) Tetrachloroethene	10.72	164	48914	21.03	ug/l	98
65) Chlorobenzene	11.52	112	148132	19.62	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	53292	20.68	ug/l	98
67) Ethyl Benzene	11.60	91	280312	20.17	ug/l	98
68) m/p-Xylenes	11.70	106	210551	40.59	ug/l	100
69) o-Xylene	12.03	106	99442	19.95	ug/l	99
70) Styrene	12.05	104	169496	19.45	ug/l	100
71) Bromoform	12.21	173	28799	18.90	ug/l #	100
73) Isopropylbenzene	12.33	105	268641	19.98	ug/l	100
74) N-amyl acetate	12.14	43	67245	15.92	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	50450	17.99	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	67896	33.72	ug/l #	100
77) Bromobenzene	12.61	156	57769	19.46	ug/l	98
78) n-propylbenzene	12.67	91	321855	19.95	ug/l	99
79) 2-Chlorotoluene	12.76	91	182841	19.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	229960	20.48	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19054	17.94	ug/l	96
82) 4-Chlorotoluene	12.86	91	193913	19.74	ug/l	98
83) tert-Butylbenzene	13.08	119	191391	20.22	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	226597	20.12	ug/l	100
85) sec-Butylbenzene	13.25	105	271229	20.23	ug/l	100
86) p-Isopropyltoluene	13.37	119	244526	20.65	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	113129	19.88	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	112223	19.42	ug/l	99
89) n-Butylbenzene	13.70	91	241432	20.33	ug/l	100
90) Hexachloroethane	13.96	117	45288	20.18	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	101652	19.41	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8986	18.38	ug/l	99

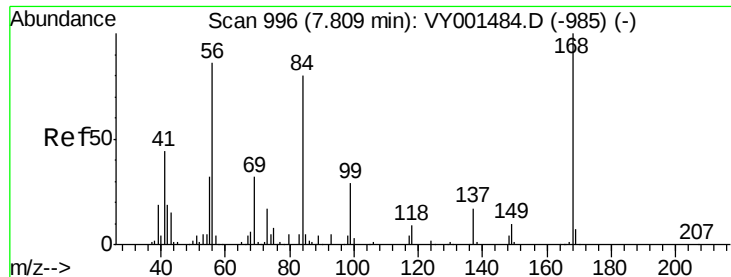
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	69065	19.57	ug/l	100
94) Hexachlorobutadiene	15.11	225	35695	20.65	ug/l	99
95) Naphthalene	15.24	128	156289	19.51	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	61259	19.87	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

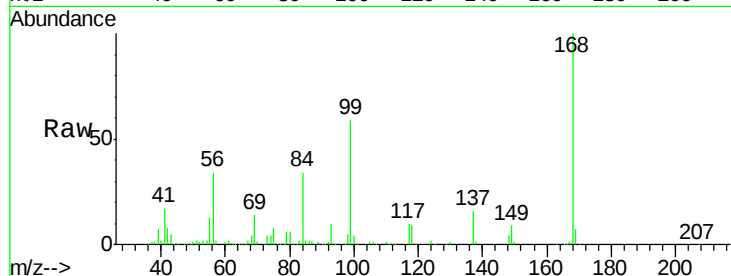
VSTDIC020

Tgt Ion:168 Resp: 234661

Ion Ratio Lower Upper

168 100

99 58.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.81

120000

100000

80000

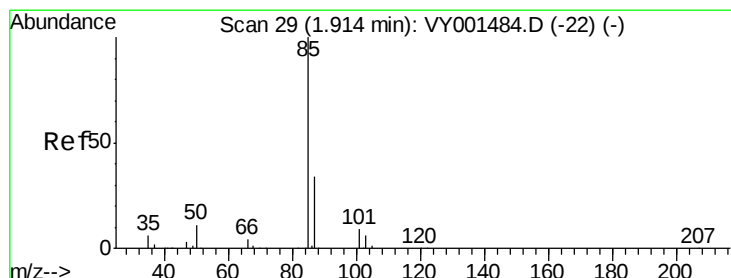
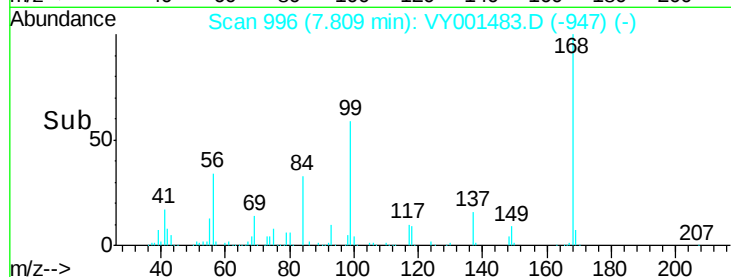
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.54 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001483.D

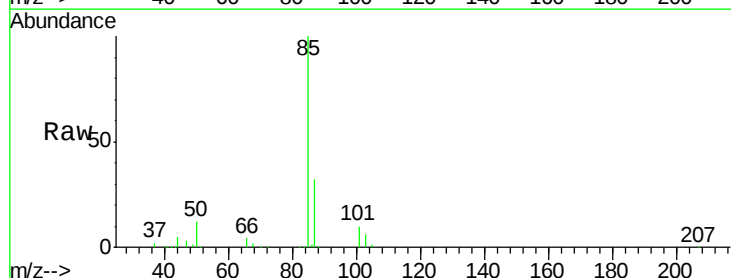
Acq: 04 Feb 2020 13:38

Tgt Ion: 85 Resp: 47546

Ion Ratio Lower Upper

85 100

87 32.4 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.91

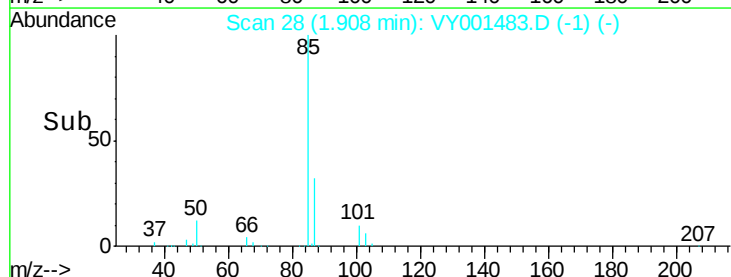
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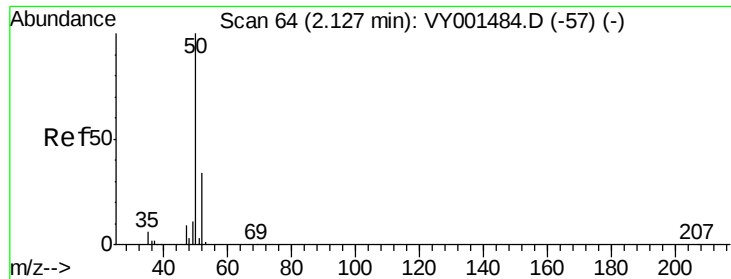
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.15 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

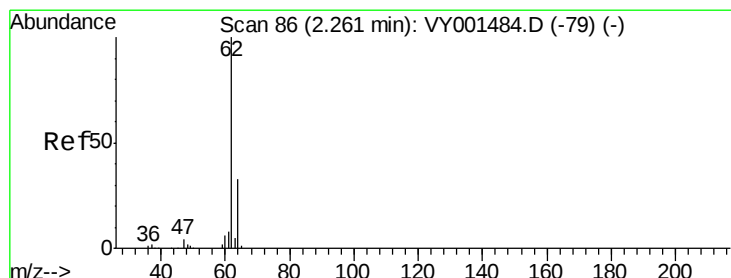
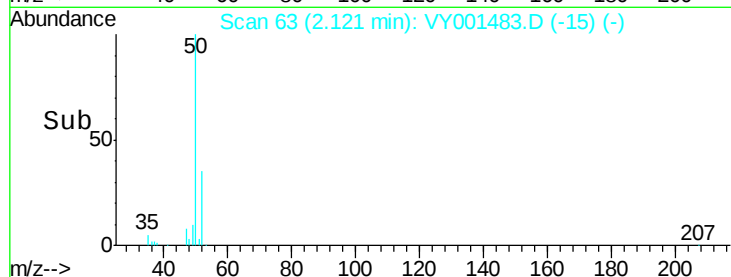
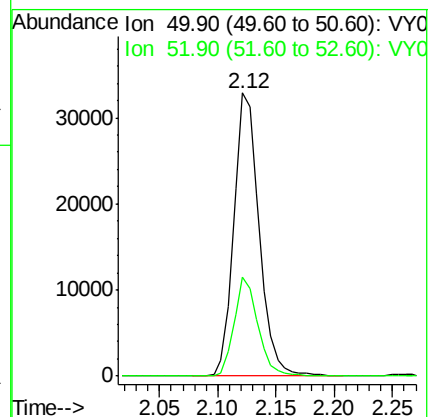
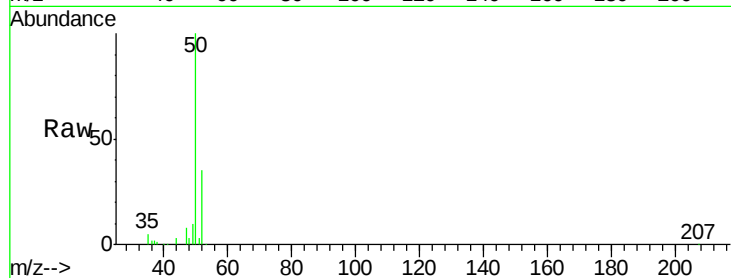
VSTDIC020

Tgt Ion: 50 Resp: 49862

Ion Ratio Lower Upper

50 100

52 35.0 27.3 40.9



#4

Vinyl Chloride

Concen: 18.53 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001483.D

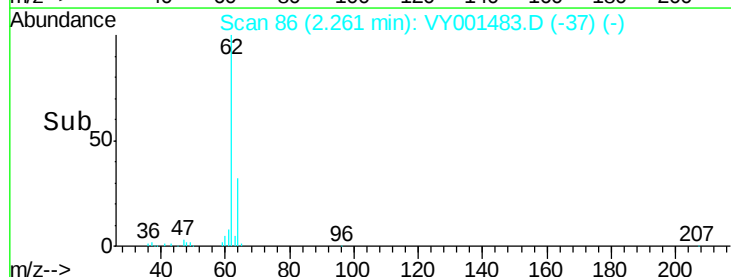
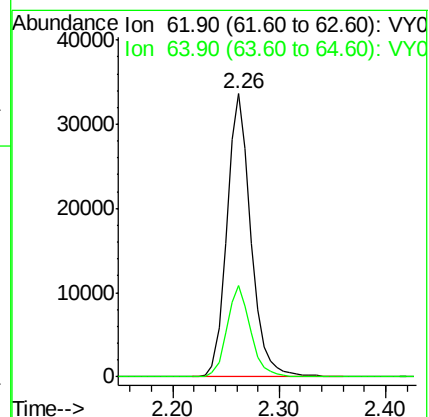
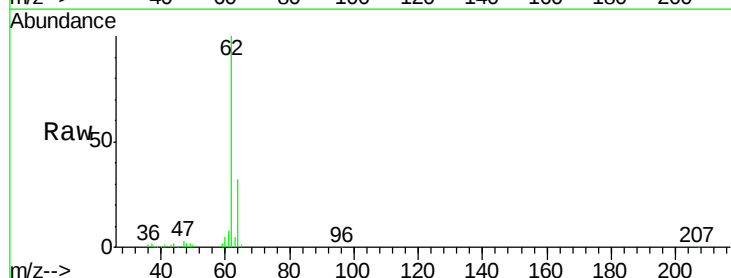
Acq: 04 Feb 2020 13:38

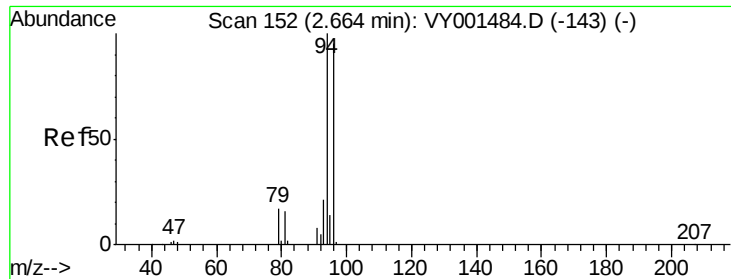
Tgt Ion: 62 Resp: 52952

Ion Ratio Lower Upper

62 100

64 32.2 26.4 39.6





#5

Bromomethane

Concen: 16.47 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

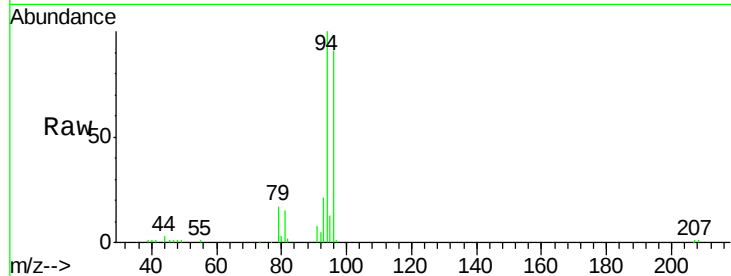
VSTDIC020

Tgt Ion: 94 Resp: 31646

Ion Ratio Lower Upper

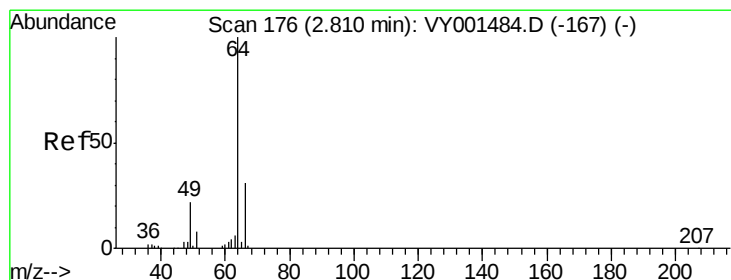
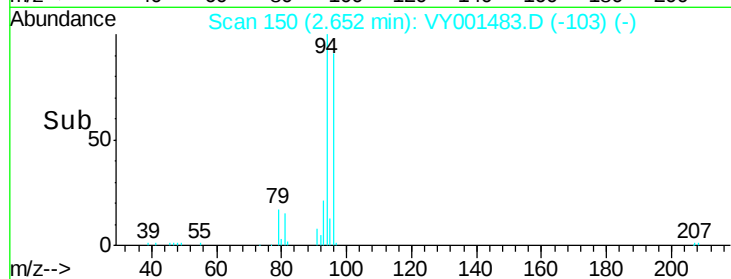
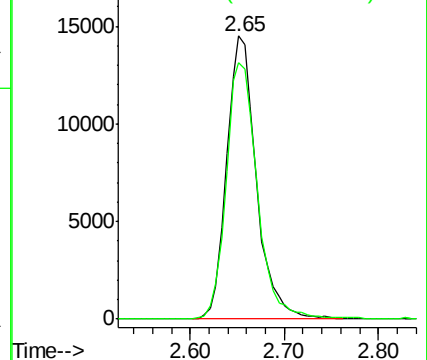
94 100

96 90.6 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 17.44 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001483.D

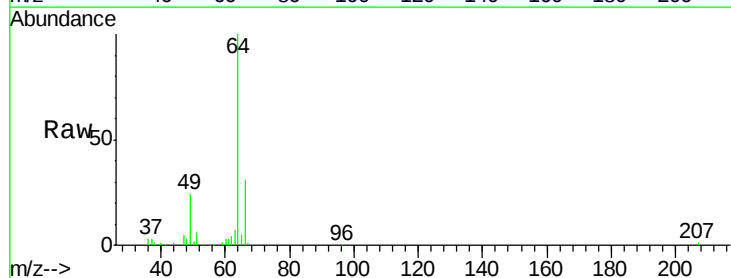
Acq: 04 Feb 2020 13:38

Tgt Ion: 64 Resp: 31602

Ion Ratio Lower Upper

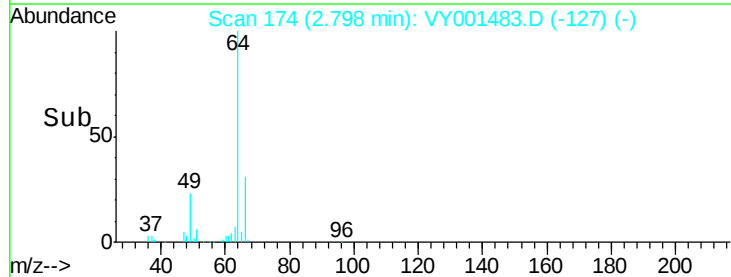
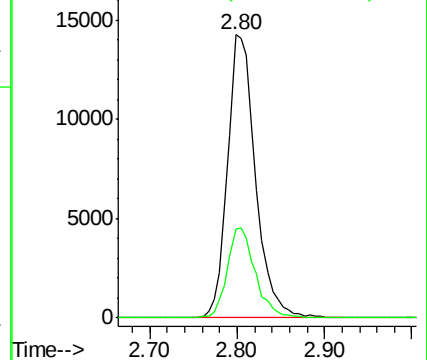
64 100

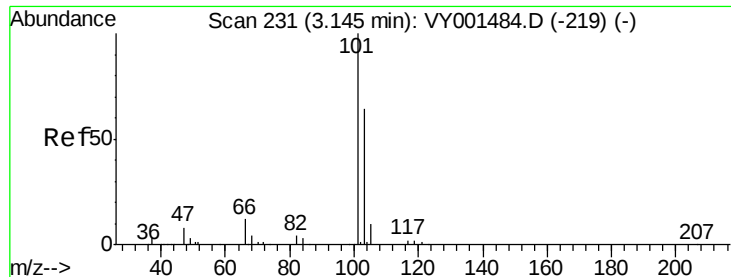
66 31.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



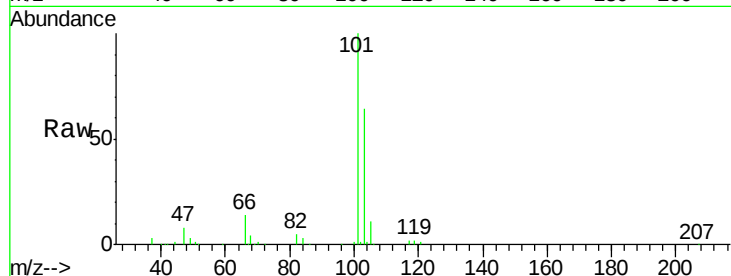


#7

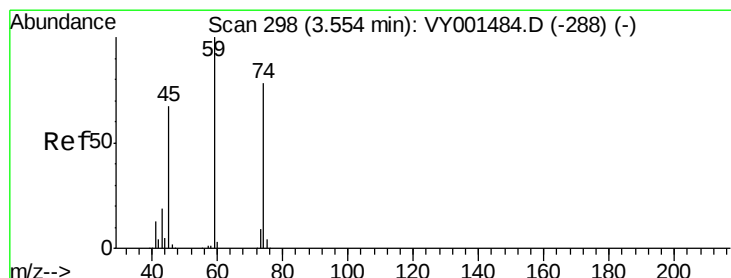
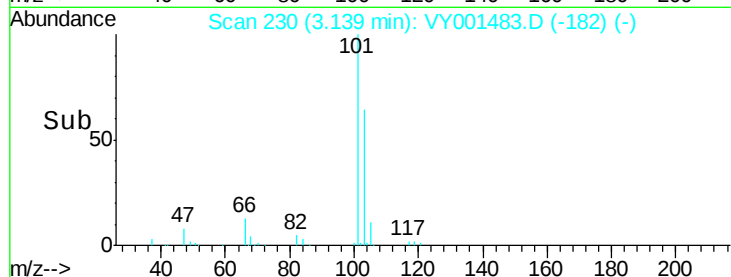
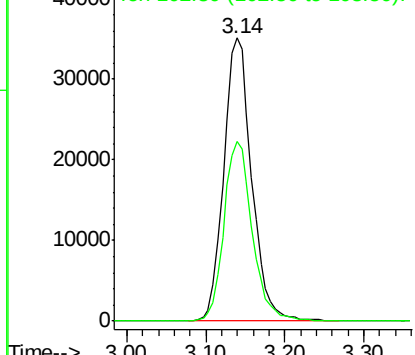
Trichlorofluoromethane
Concen: 22.67 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001483.D
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Tgt Ion:101 Resp: 86286
Ion Ratio Lower Upper
101 100
103 63.5 50.9 76.3



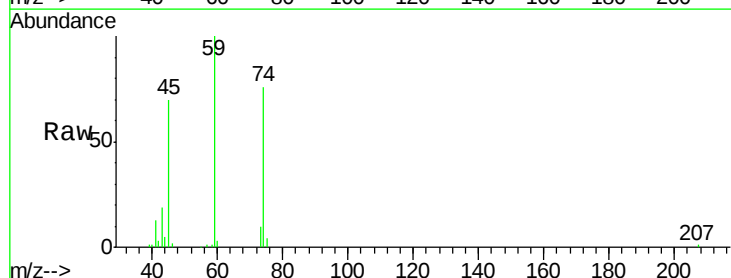
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



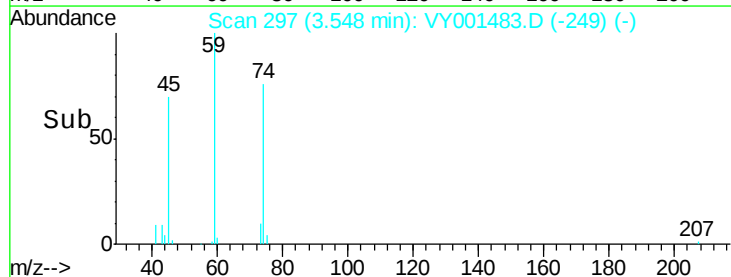
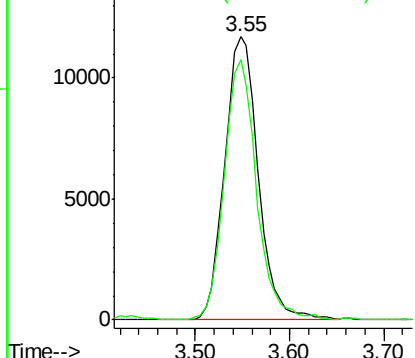
#8

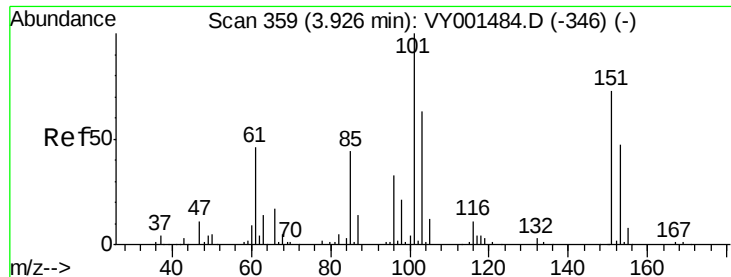
Diethyl Ether
Concen: 18.77 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 74 Resp: 29034
Ion Ratio Lower Upper
74 100
45 88.7 44.5 133.5



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.65 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

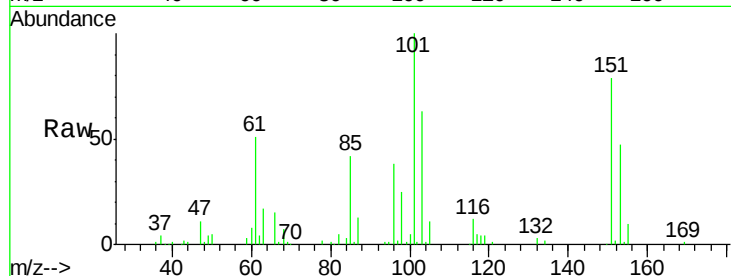
Tgt Ion:101 Resp: 51926

Ion Ratio Lower Upper

101 100

85 42.2 34.6 51.8

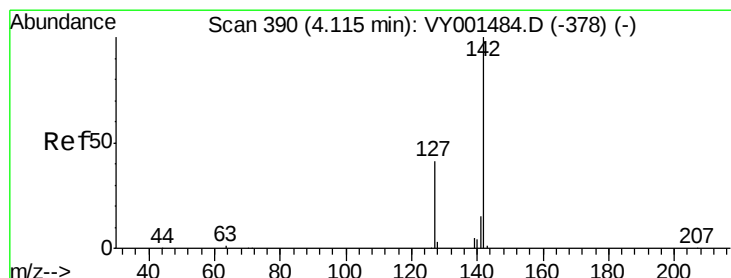
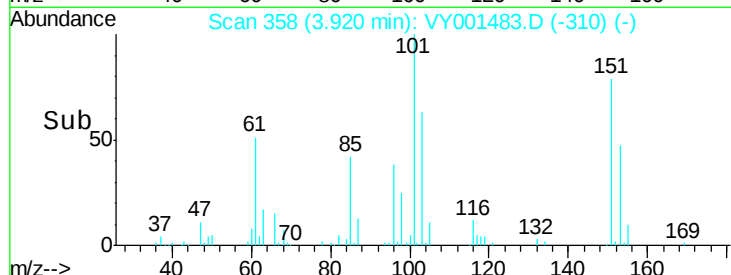
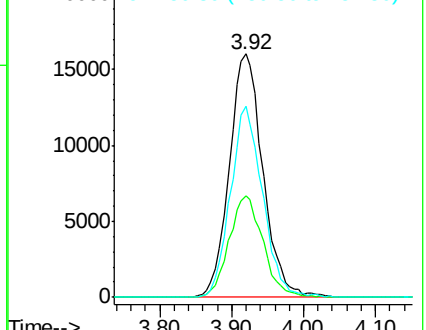
151 75.3 60.3 90.5



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: 20.77 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

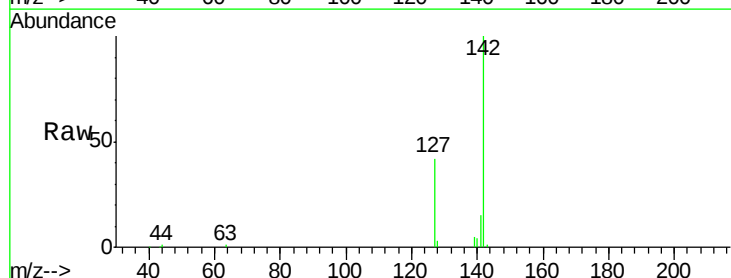
Tgt Ion:142 Resp: 65194

Ion Ratio Lower Upper

142 100

127 41.5 33.3 49.9

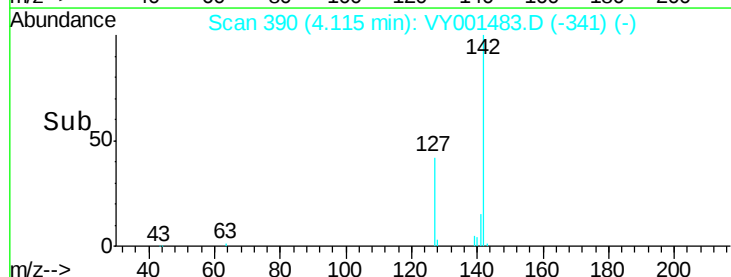
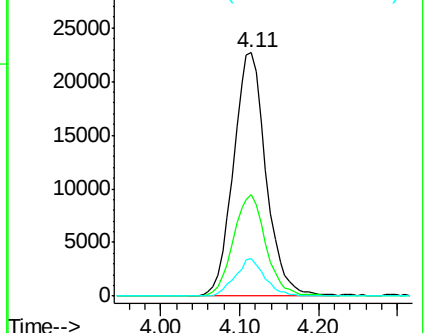
141 14.0 11.5 17.3

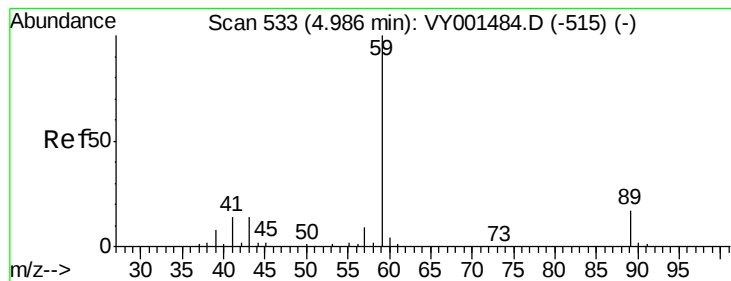


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



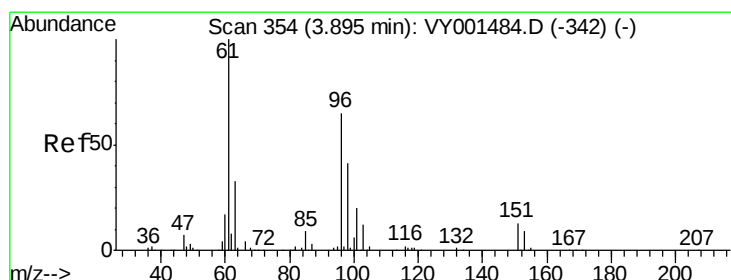
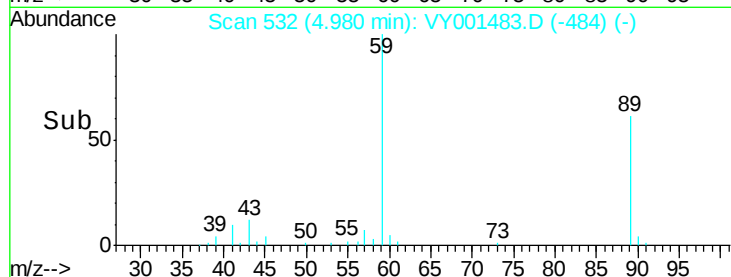
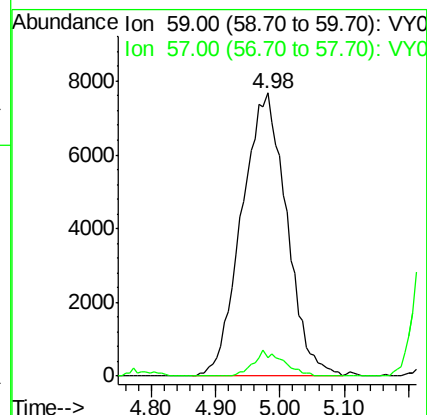
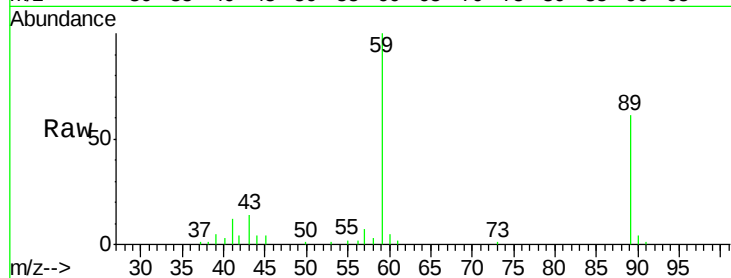


#11

Tert butyl alcohol
 Concen: 97.96 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

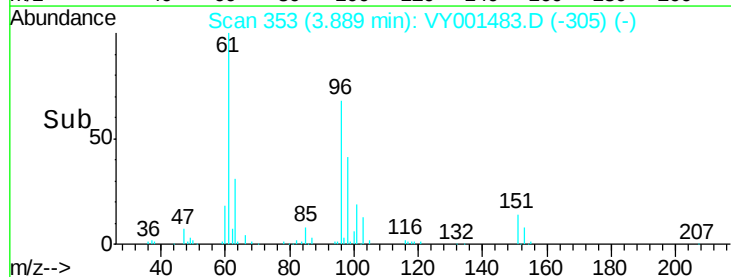
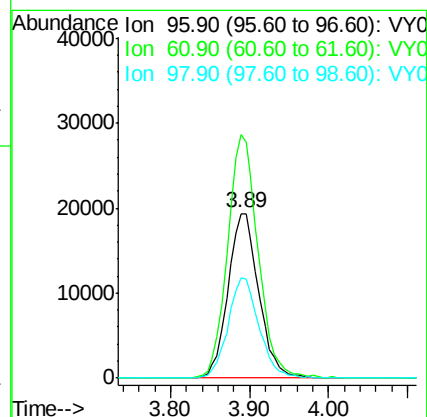
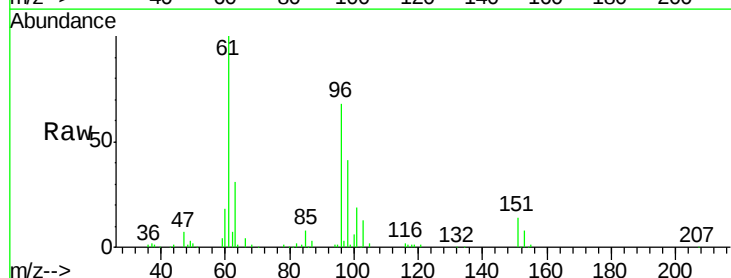
Tgt Ion: 59 Resp: 37051
 Ion Ratio Lower Upper
 59 100
 57 6.1 7.0 10.6#

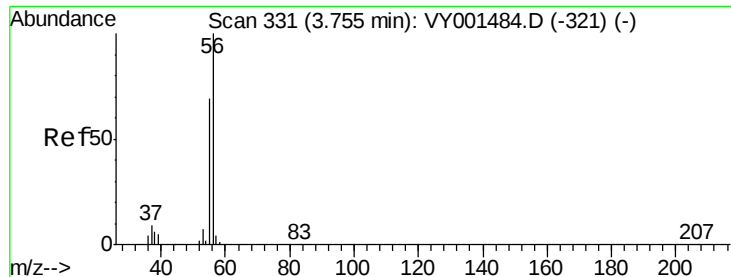


#12

1,1-Dichloroethene
 Concen: 20.98 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion: 96 Resp: 52495
 Ion Ratio Lower Upper
 96 100
 61 148.1 122.3 183.5
 98 61.1 49.7 74.5





#13

Acrolein

Concen: 104.57 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

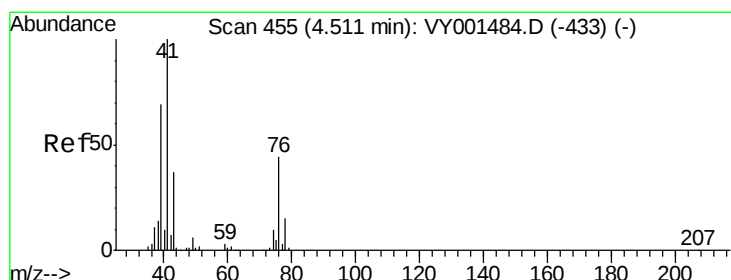
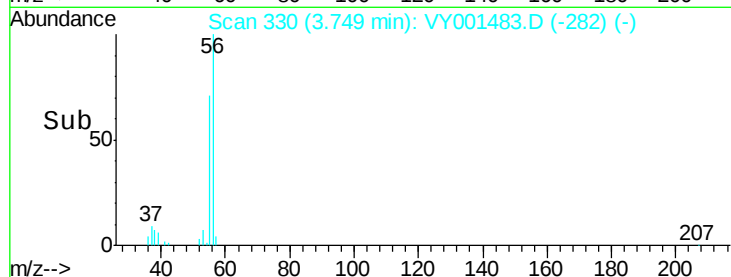
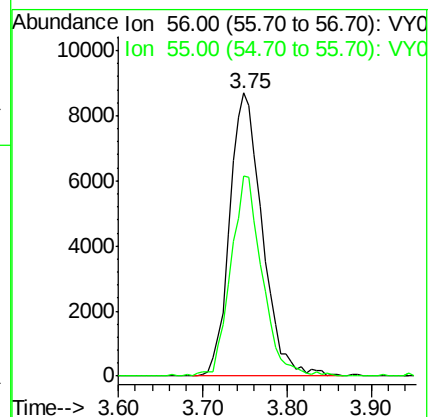
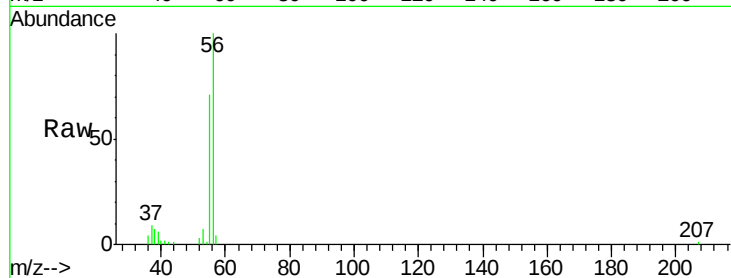
VSTDIC020

Tgt Ion: 56 Resp: 22921

Ion Ratio Lower Upper

56 100

55 67.7 56.2 84.4



#14

Allyl chloride

Concen: 18.00 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

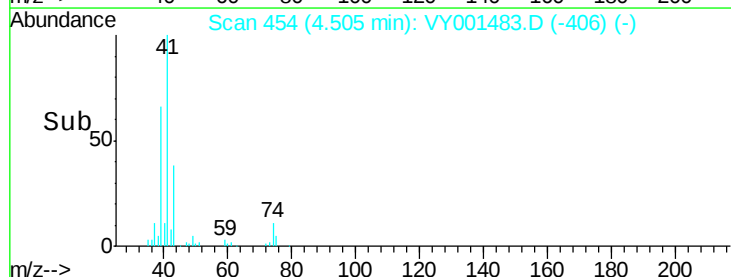
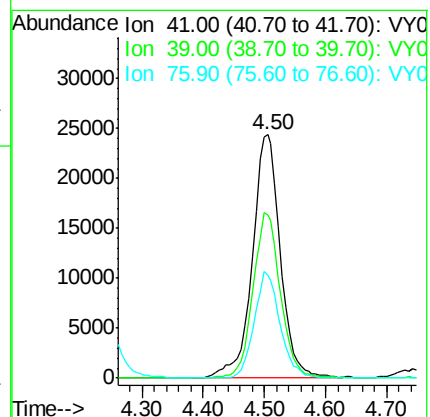
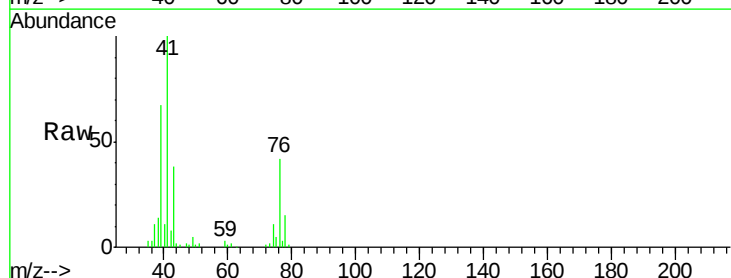
Tgt Ion: 41 Resp: 78167

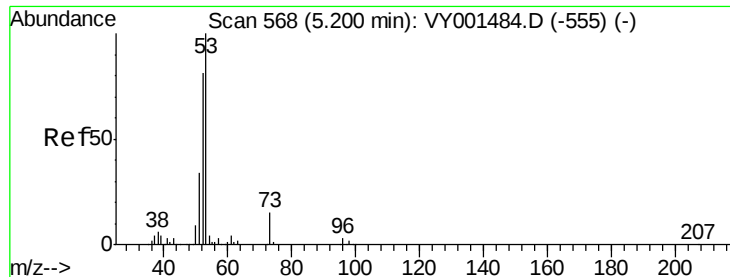
Ion Ratio Lower Upper

41 100

39 66.7 53.0 79.6

76 40.4 32.6 48.8





#15

Acrylonitrile

Concen: 84.62 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

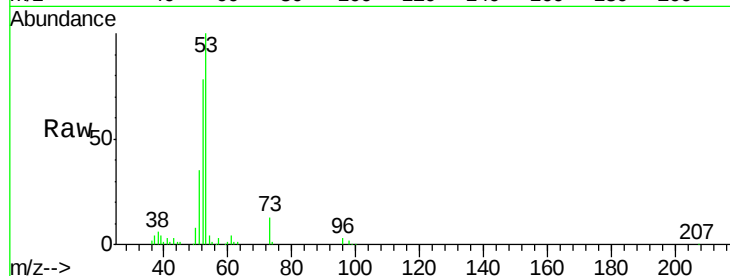
Tgt Ion: 53 Resp: 65726

Ion Ratio Lower Upper

53 100

52 81.3 65.4 98.2

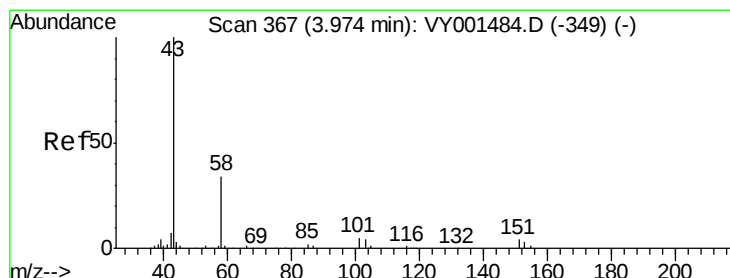
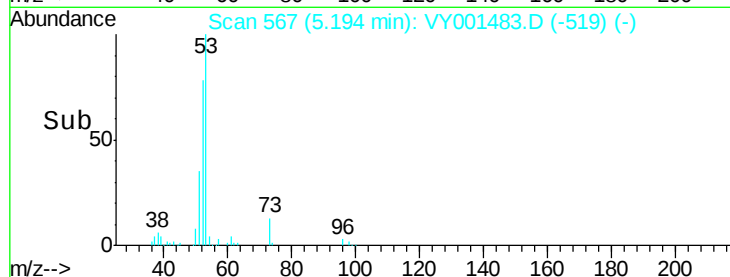
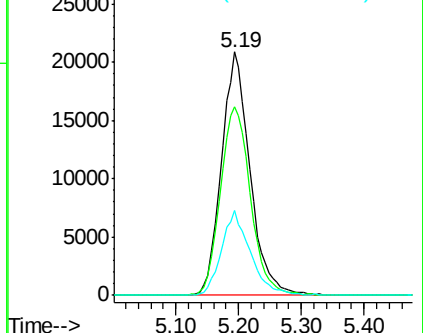
51 35.1 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 83.40 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001483.D

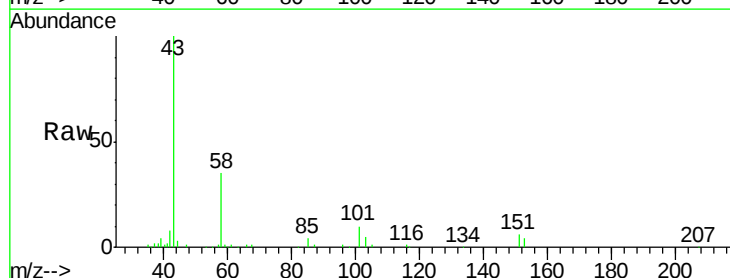
Acq: 04 Feb 2020 13:38

Tgt Ion: 43 Resp: 61037

Ion Ratio Lower Upper

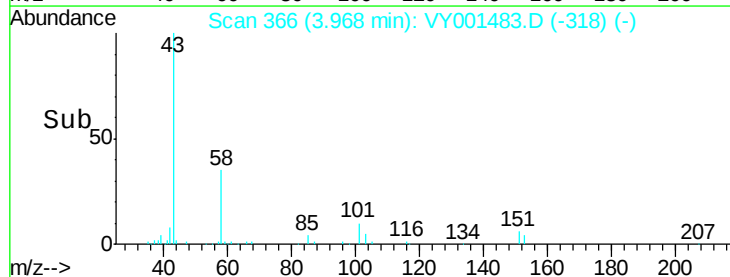
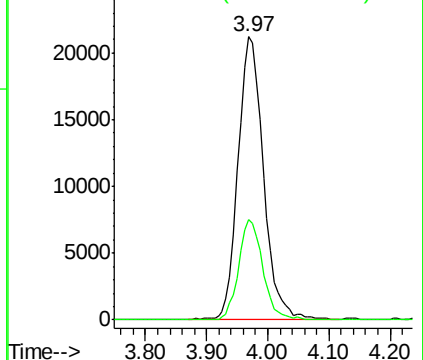
43 100

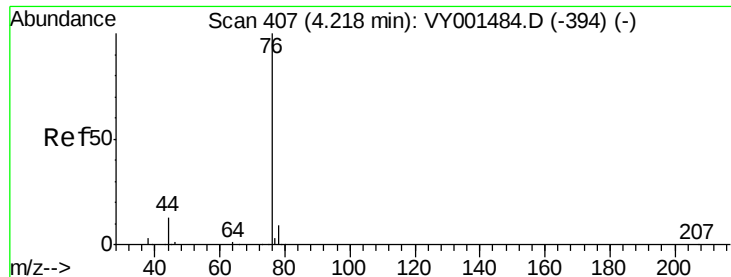
58 35.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

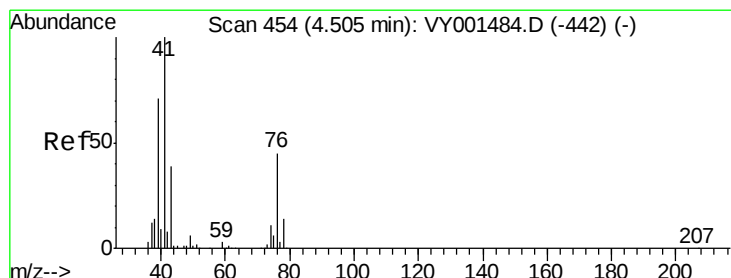
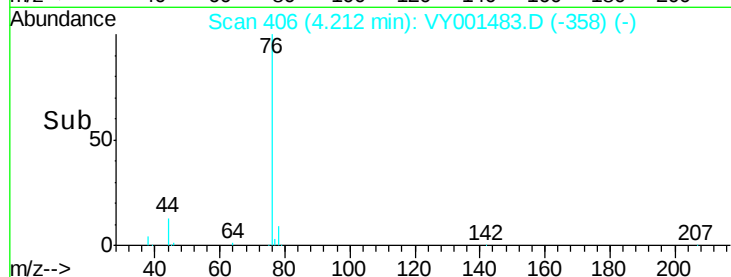
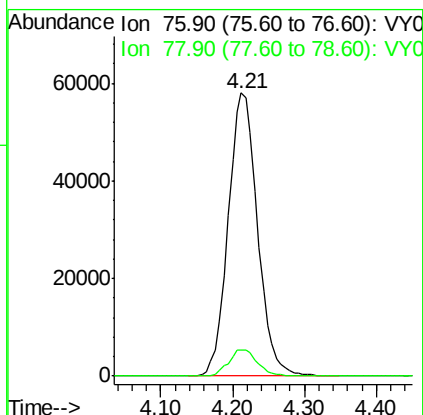
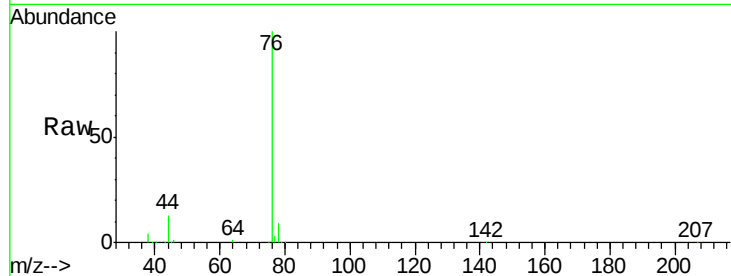




#17
Carbon Disulfide
Concen: 20.74 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

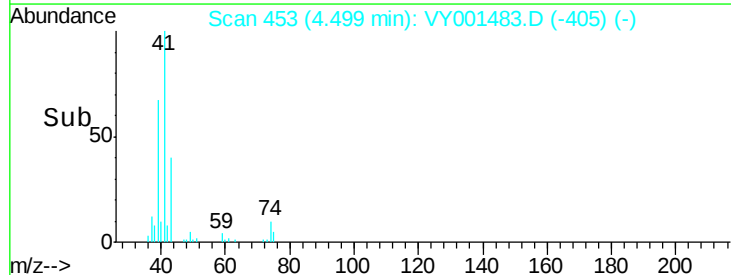
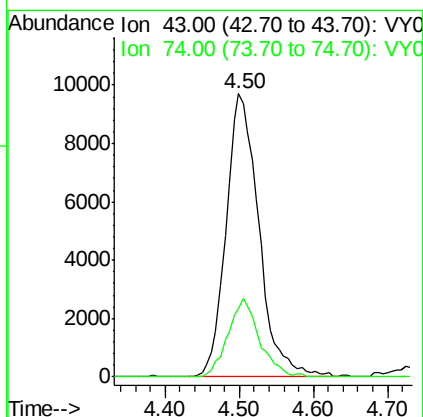
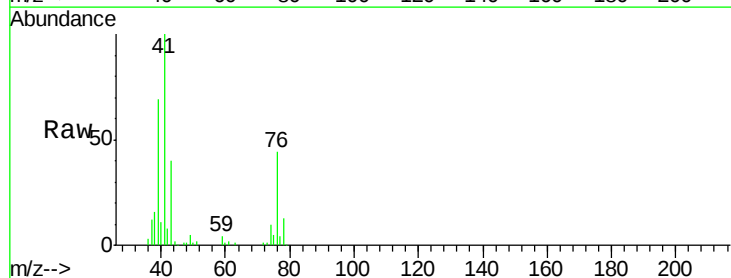
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 163799
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 14.63 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 43 Resp: 29897
Ion Ratio Lower Upper
43 100
74 26.4 21.0 31.6

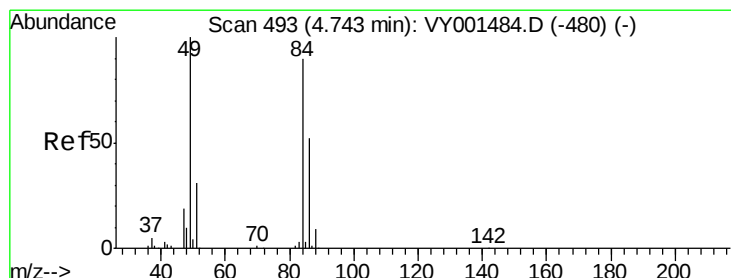
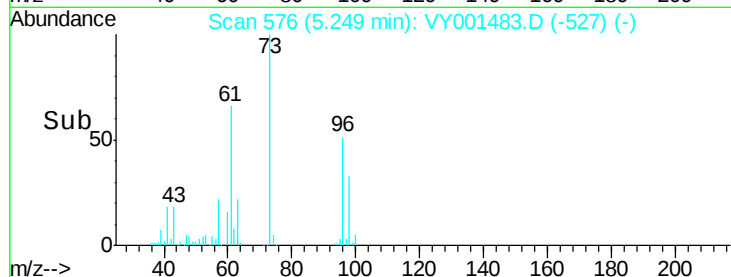
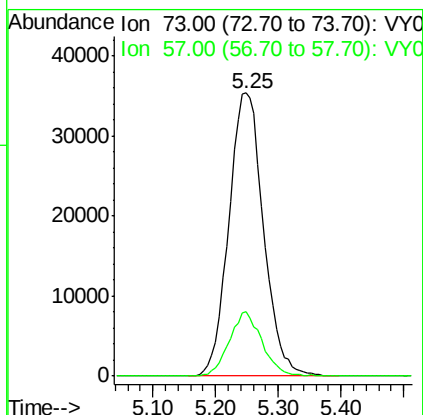
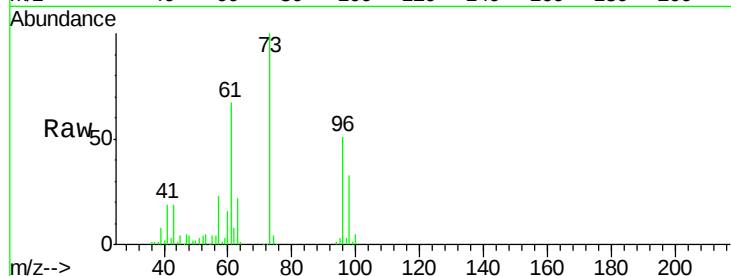




#19
Methyl tert-butyl Ether
Concen: 18.81 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

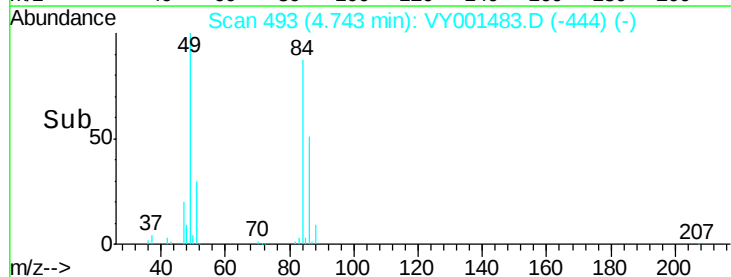
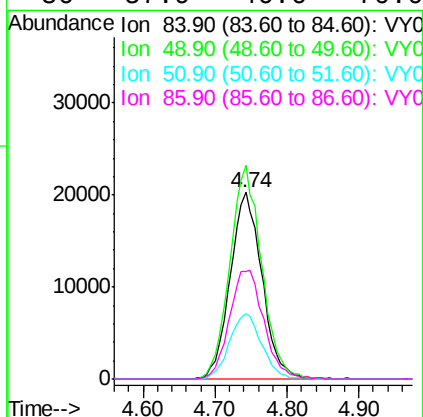
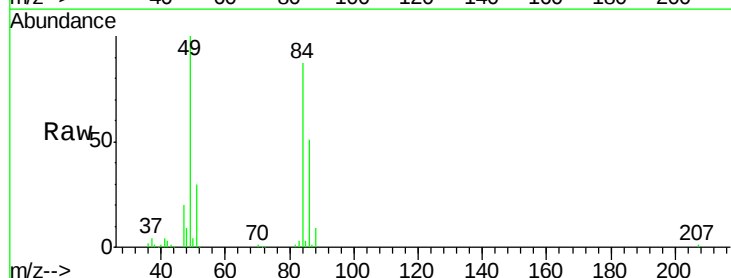
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

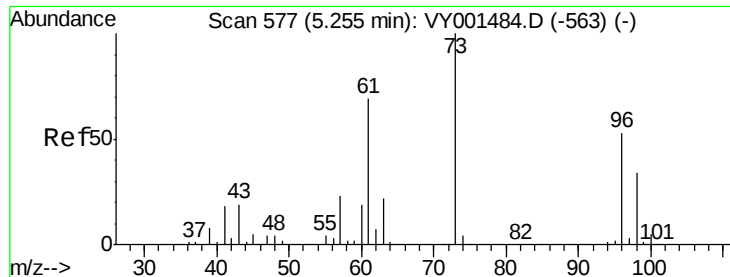
Tgt Ion: 73 Resp: 134881
Ion Ratio Lower Upper
73 100
57 22.6 17.0 25.6



#20
Methylene Chloride
Concen: 16.00 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 84 Resp: 62223
Ion Ratio Lower Upper
84 100
49 114.4 89.0 133.6
51 34.9 27.4 41.2
86 57.9 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

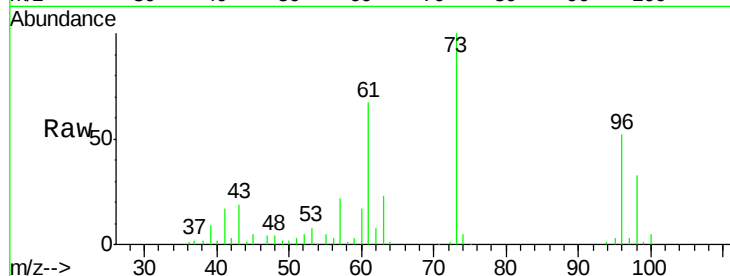
Tgt Ion: 96 Resp: 57324

Ion Ratio Lower Upper

96 100

61 130.0 104.2 156.4

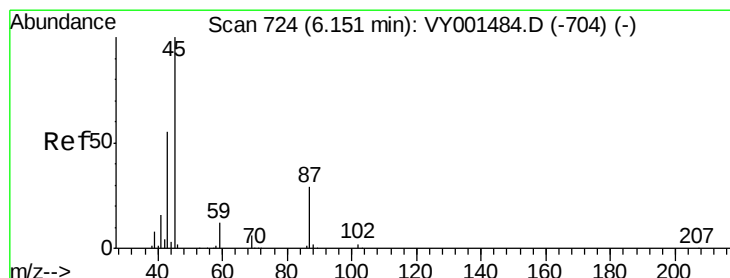
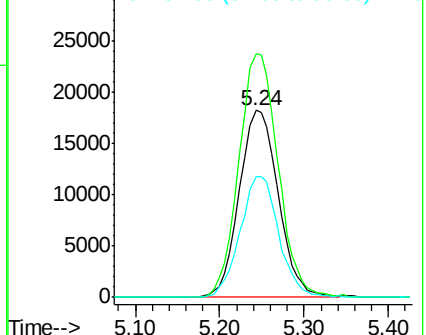
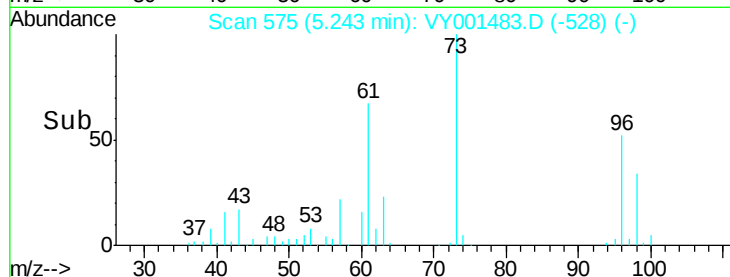
98 64.5 51.4 77.0



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: 17.00 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Tgt Ion: 45 Resp: 155642

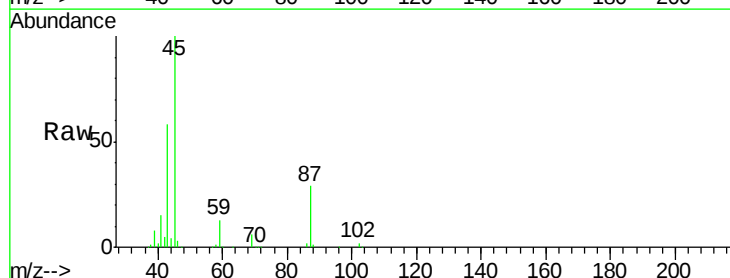
Ion Ratio Lower Upper

45 100

43 57.7 44.2 66.4

87 28.8 23.9 35.9

59 12.8 10.2 15.2

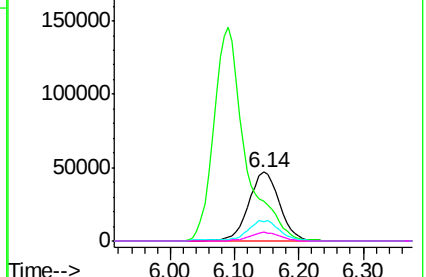
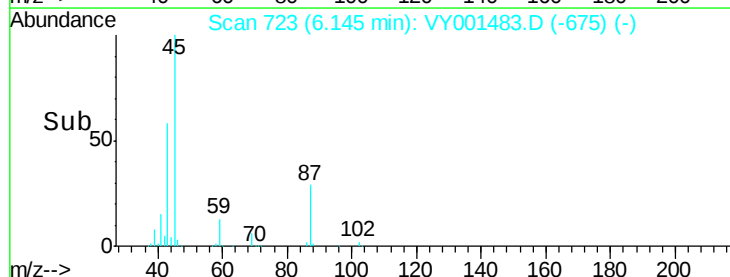


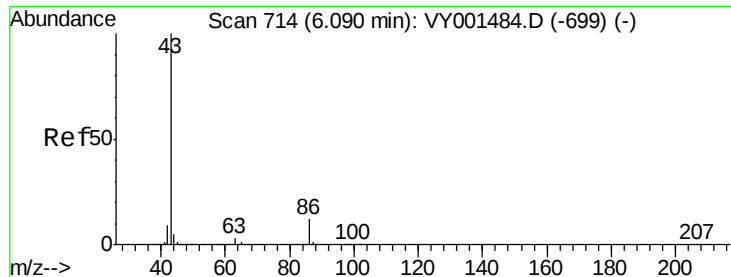
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 83.93 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

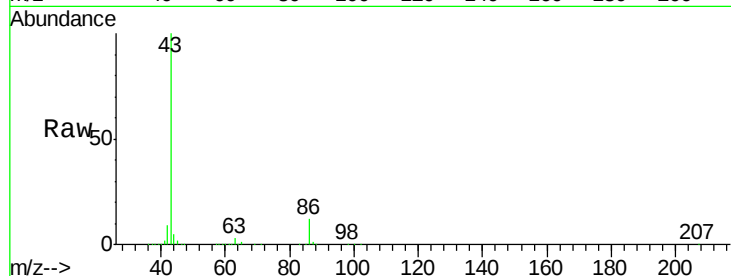
VSTDIC020

Tgt Ion: 43 Resp: 495534

Ion Ratio Lower Upper

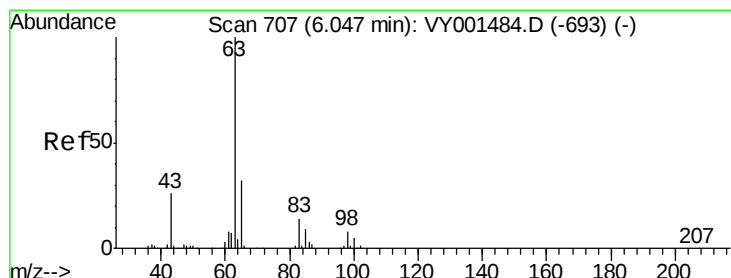
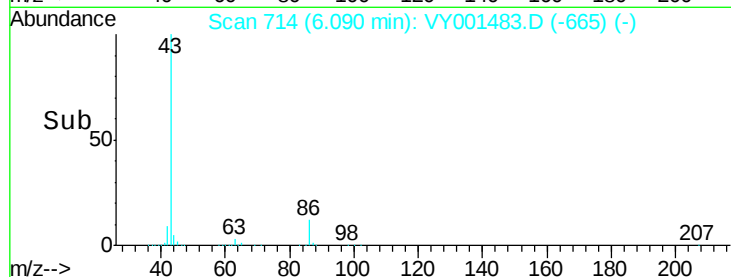
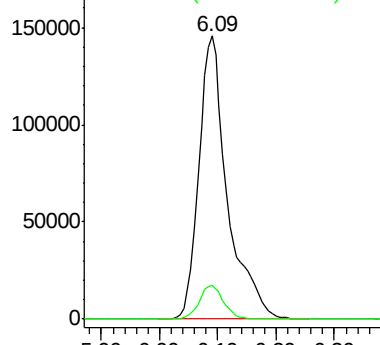
43 100

86 11.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.14 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

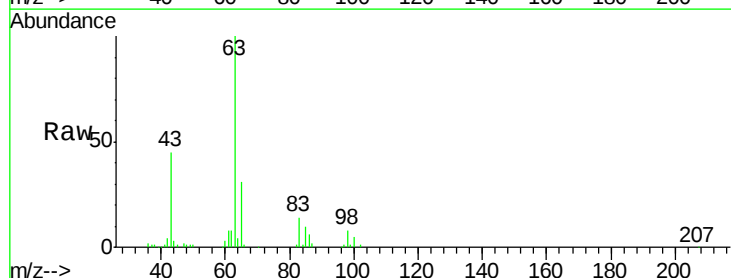
Tgt Ion: 63 Resp: 94000

Ion Ratio Lower Upper

63 100

98 8.0 4.0 11.9

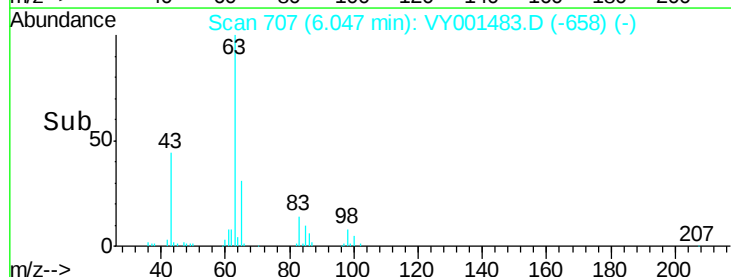
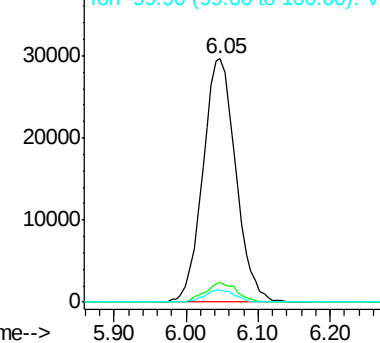
100 4.7 2.6 8.0

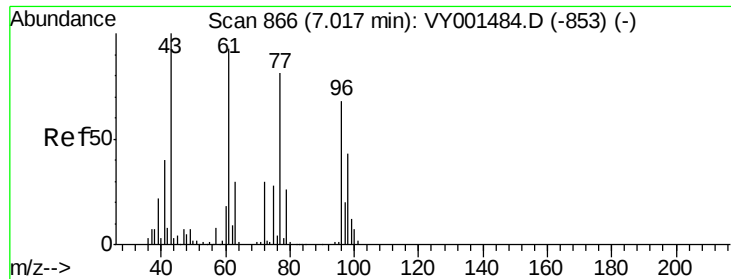


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 80.05 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

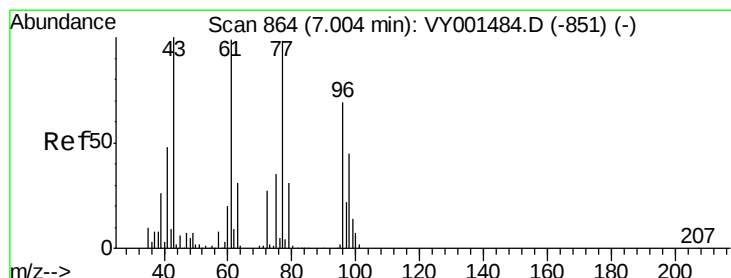
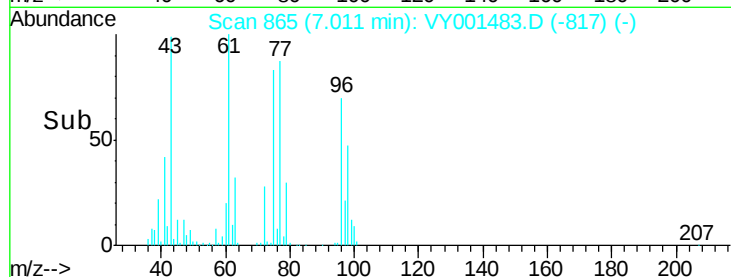
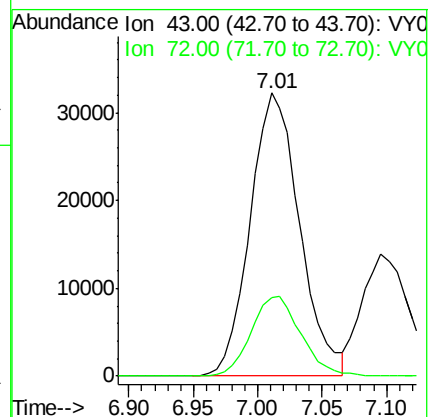
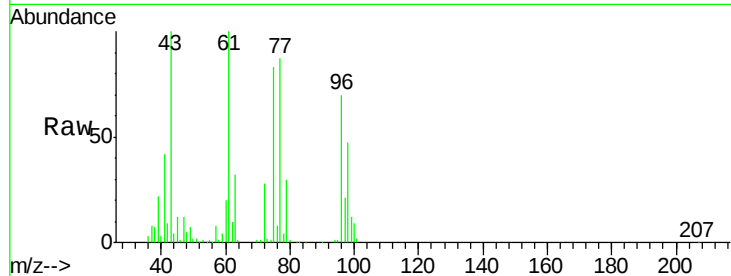
VSTDIC020

Tgt Ion: 43 Resp: 85966

Ion Ratio Lower Upper

43 100

72 28.0 23.8 35.8



#26

2,2-Dichloropropane

Concen: 20.11 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001483.D

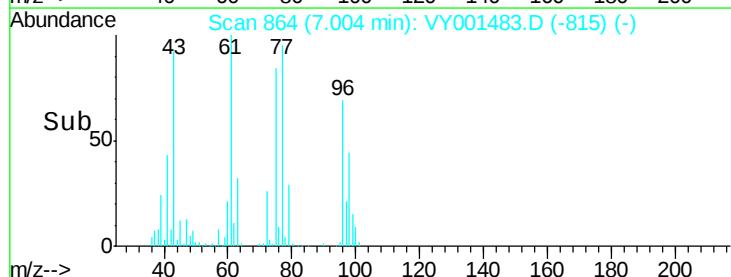
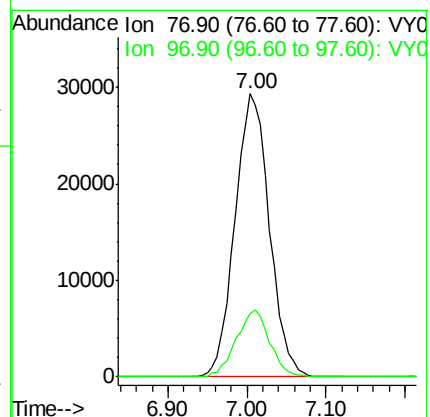
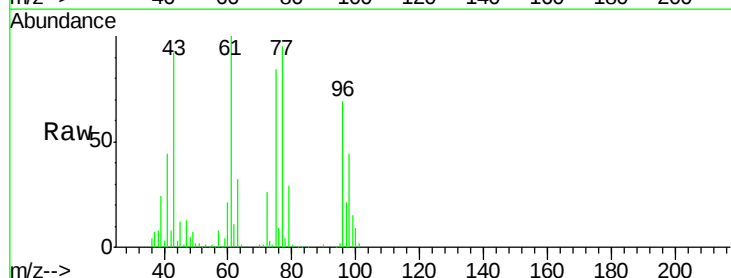
Acq: 04 Feb 2020 13:38

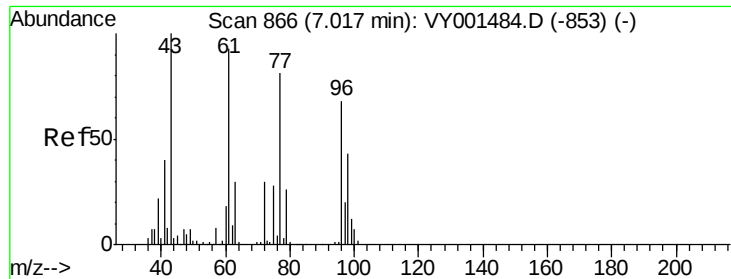
Tgt Ion: 77 Resp: 88878

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0



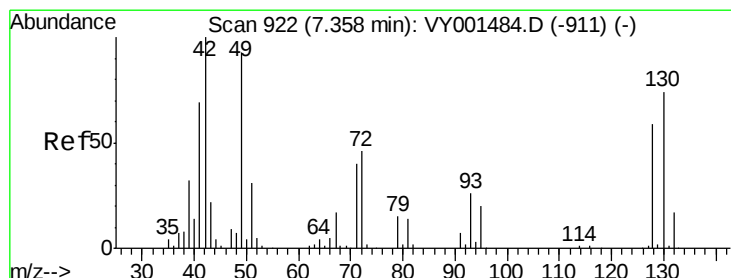
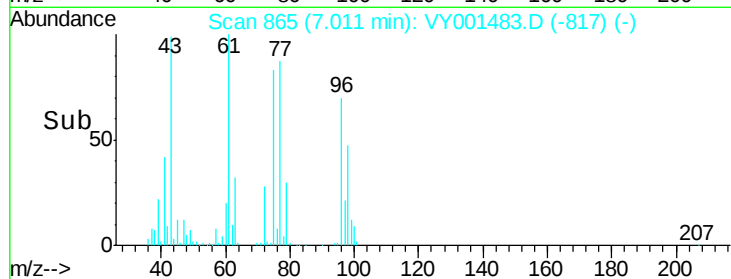
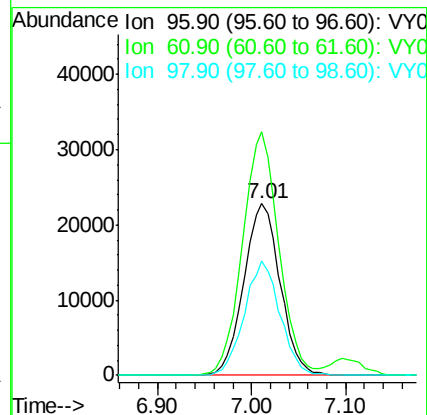
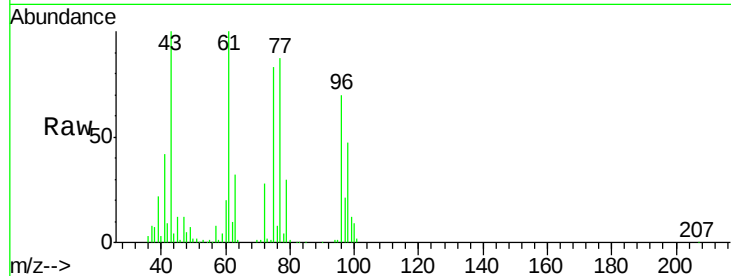


#27

cis-1,2-Dichloroethene
Concen: 19.25 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

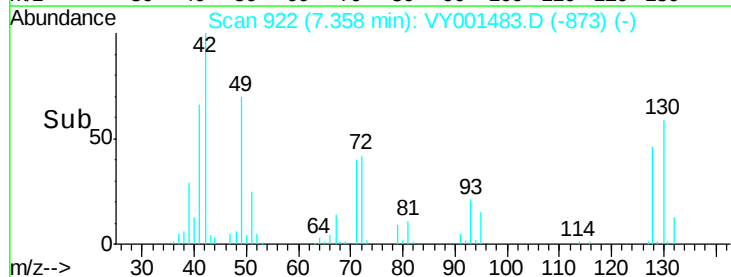
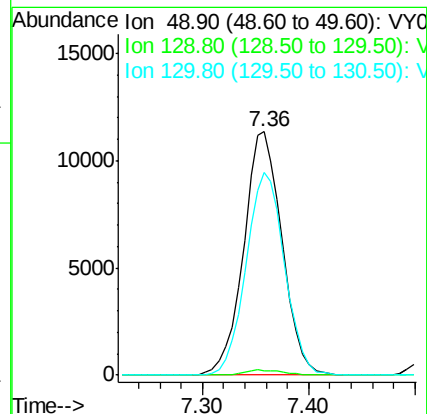
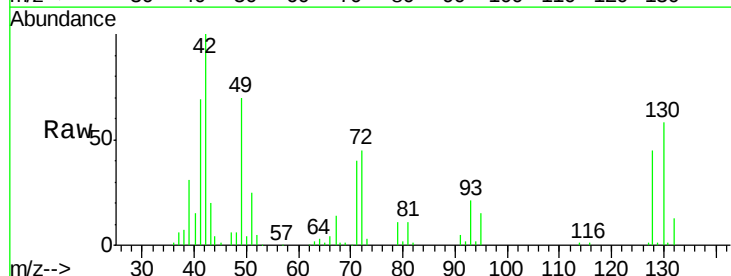
Tgt Ion: 96 Resp: 61600
Ion Ratio Lower Upper
96 100
61 141.4 0.0 278.8
98 65.2 0.0 128.8

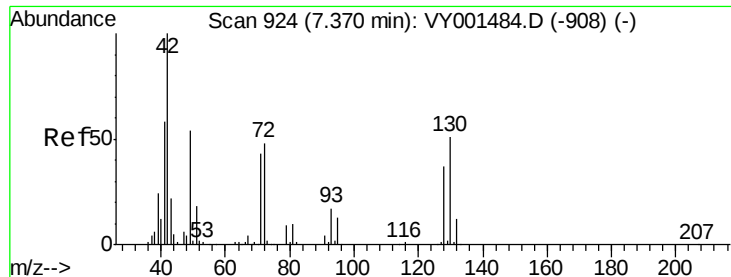


#28

Bromochloromethane
Concen: 14.45 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 49 Resp: 28640
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.8
130 83.6 65.4 98.2

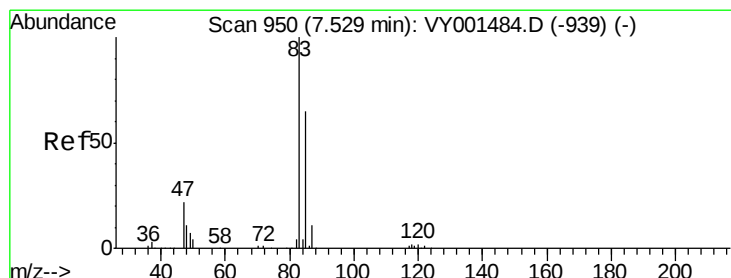
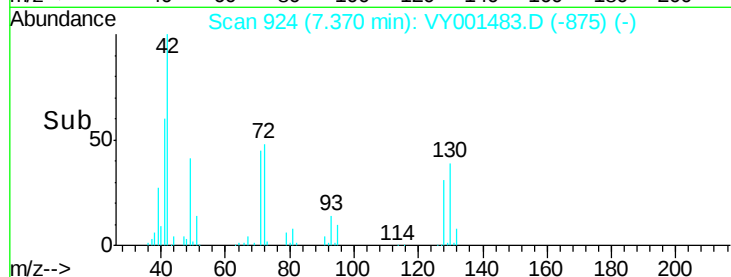
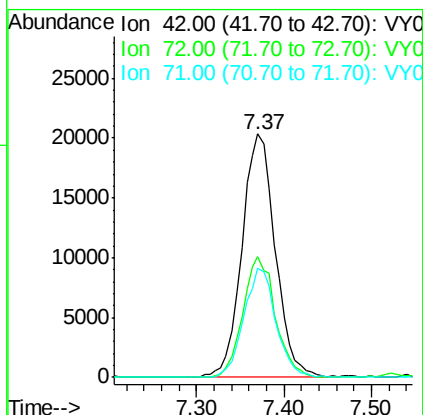
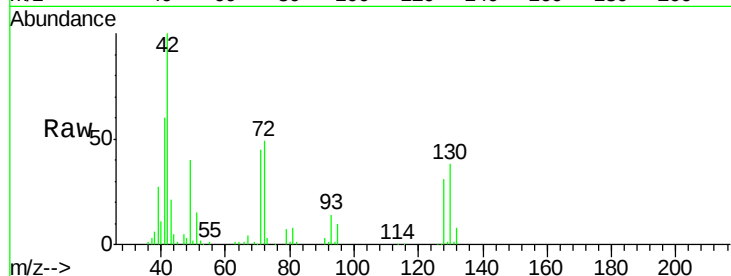




#29
Tetrahydrofuran
Concen: 77.98 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

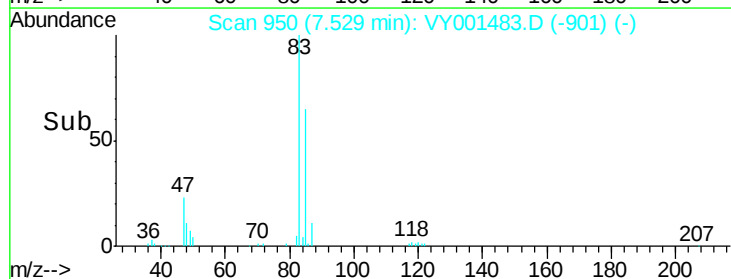
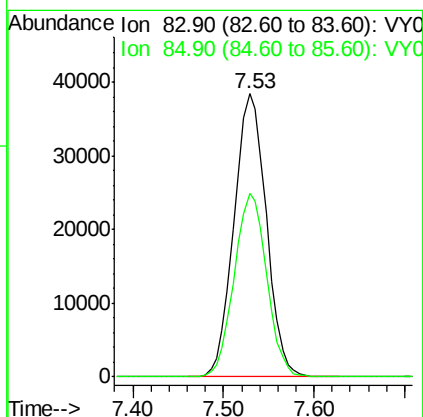
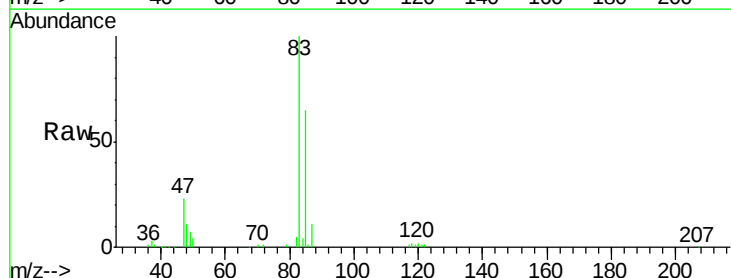
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

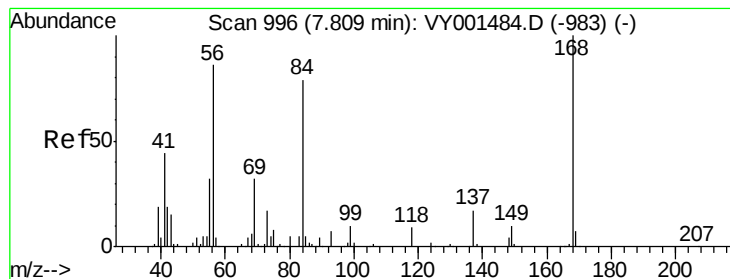
Tgt Ion: 42 Resp: 53805
Ion Ratio Lower Upper
42 100
72 48.1 37.8 56.6
71 43.3 34.8 52.2



#30
Chloroform
Concen: 19.53 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 83 Resp: 94795
Ion Ratio Lower Upper
83 100
85 64.9 52.4 78.6





#31

Cyclohexane

Concen: 19.30 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

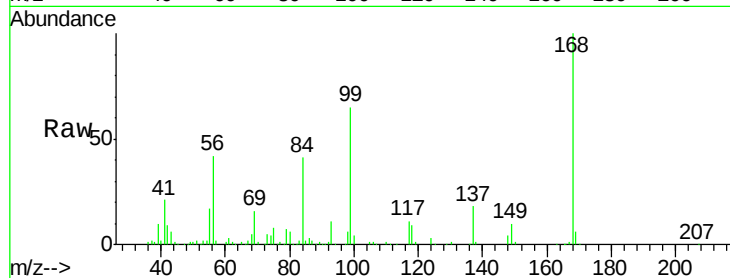
Tgt Ion: 56 Resp: 94664

Ion Ratio Lower Upper

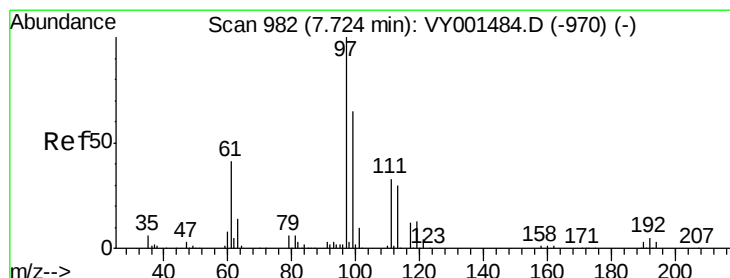
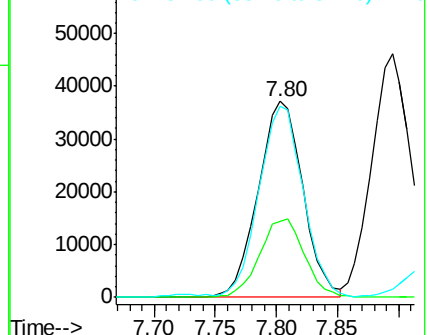
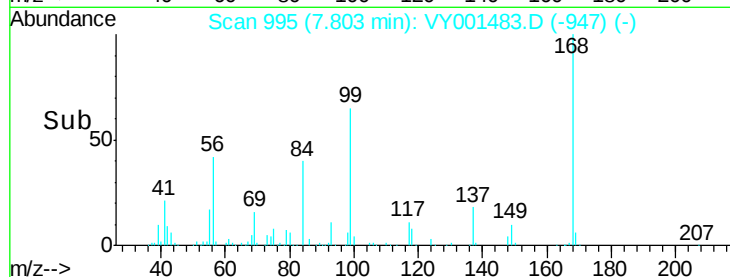
56 100

69 39.1 29.6 44.4

84 96.2 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VY001483.D (-947) (-)



#32

1,1,1-Trichloroethane

Concen: 21.05 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

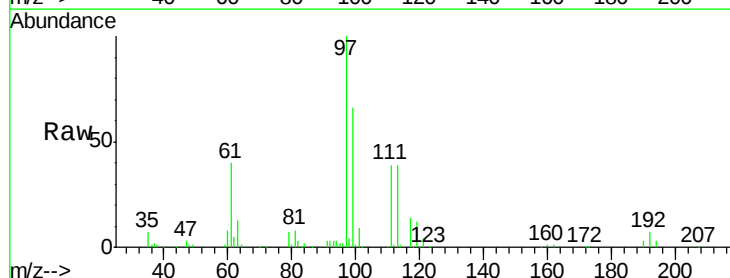
Tgt Ion: 97 Resp: 87129

Ion Ratio Lower Upper

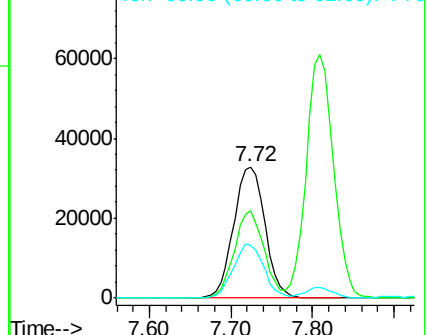
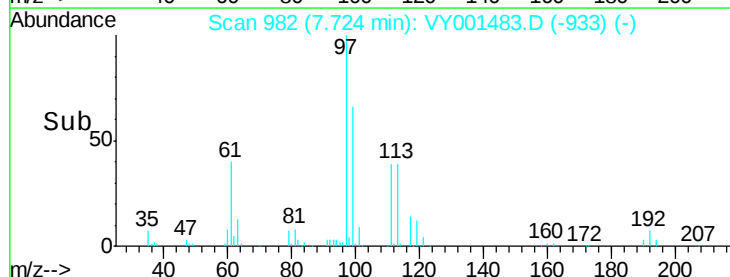
97 100

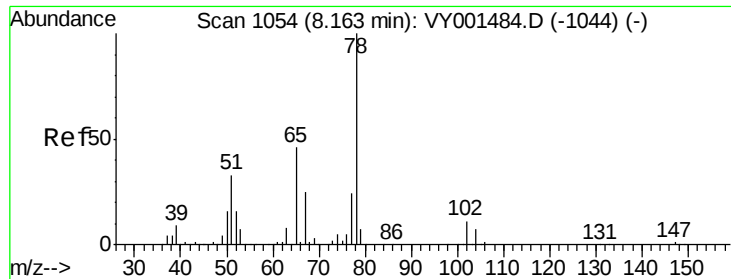
99 62.4 51.8 77.8

61 39.9 32.5 48.7



Abundance Ion 96.90 (96.60 to 97.60): VY001483.D (-933) (-)





#33

1,2-Dichloroethane-d4

Concen: 18.18 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

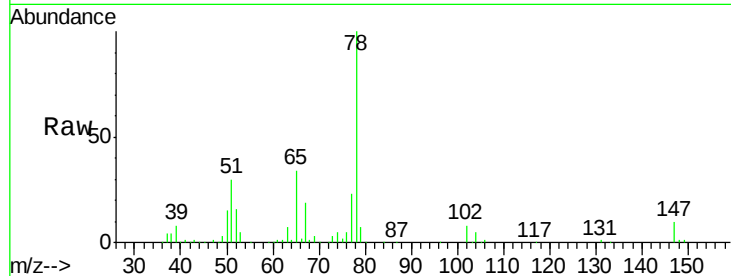
VSTDIC020

Tgt Ion: 65 Resp: 45498

Ion Ratio Lower Upper

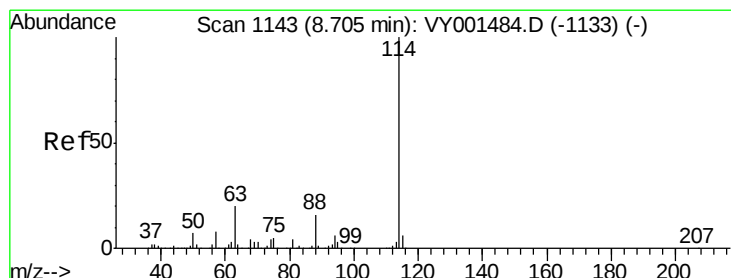
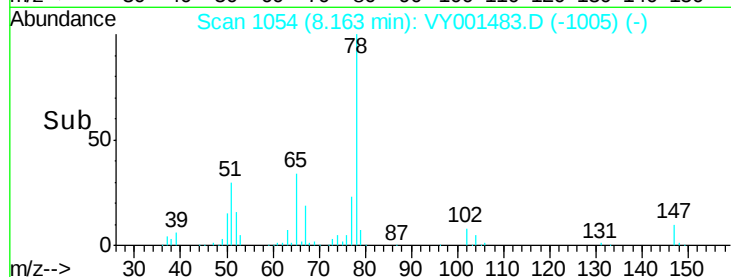
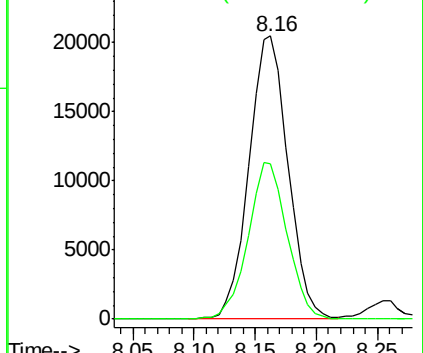
65 100

67 55.6 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

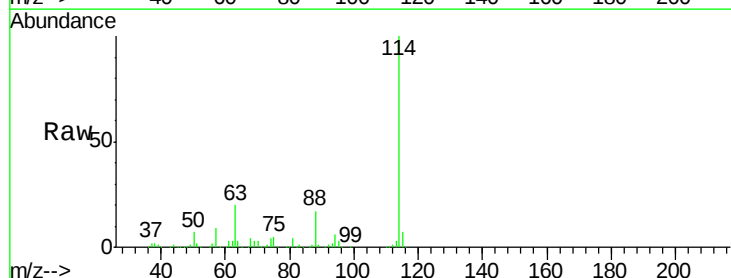
Tgt Ion: 114 Resp: 408603

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

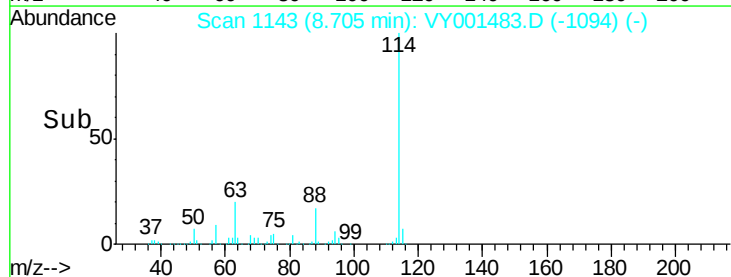
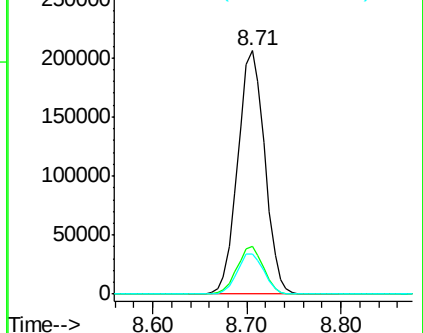
88 16.6 0.0 32.6

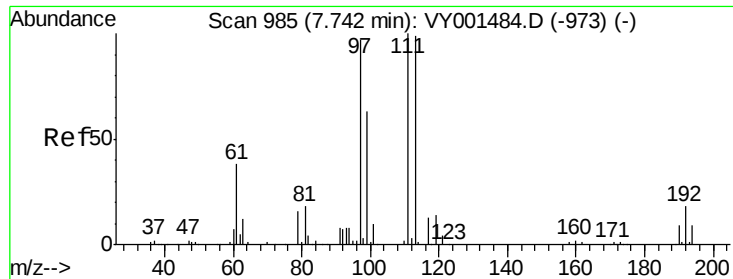


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

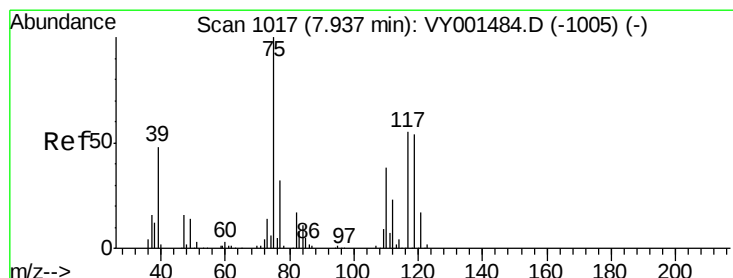
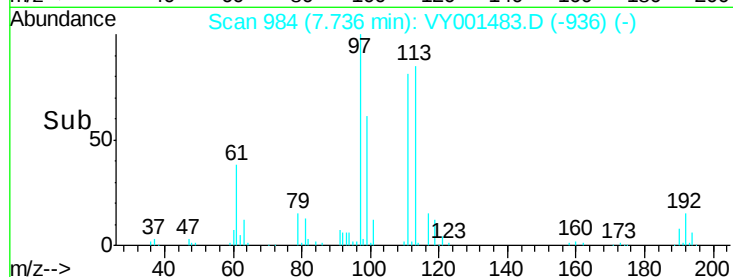
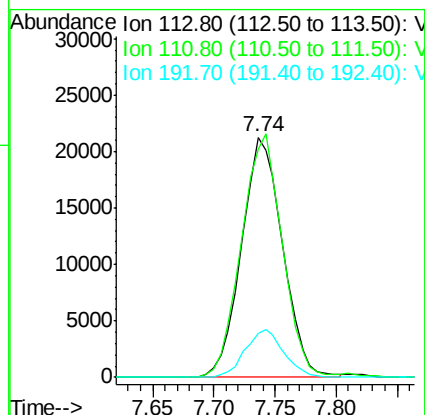
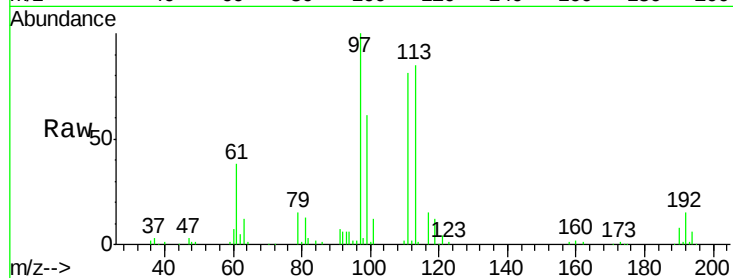




#35
 Dibromofluoromethane
 Concen: 20.77 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

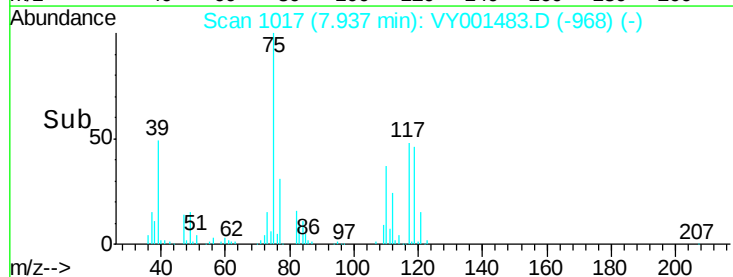
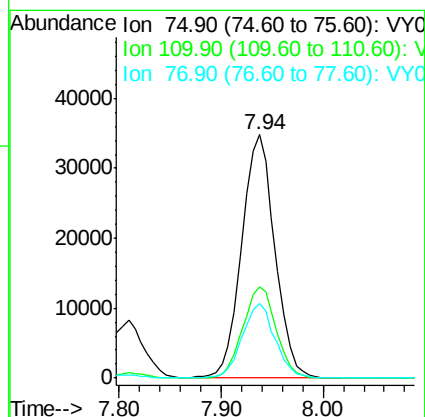
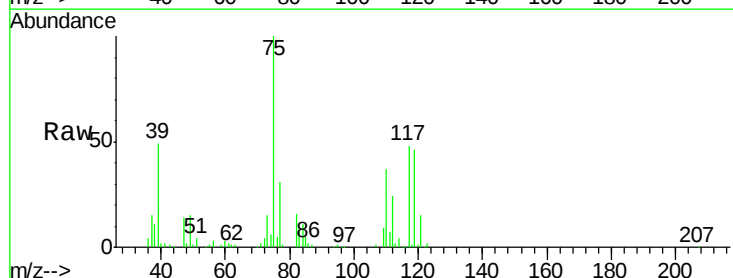
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

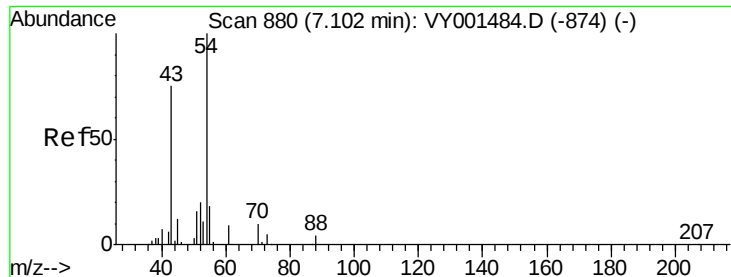
Tgt Ion: 113 Resp: 49515
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.9 124.3
 192 18.7 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 20.33 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion: 75 Resp: 78721
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.2 54.6
 77 30.3 25.0 37.4

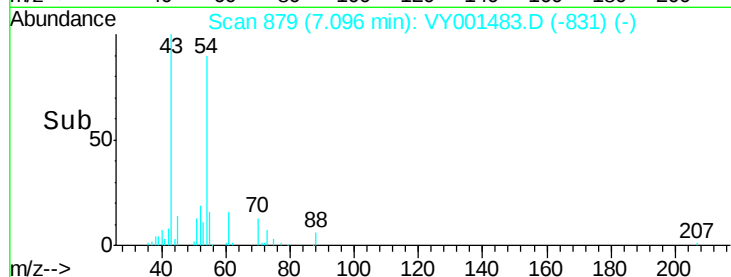
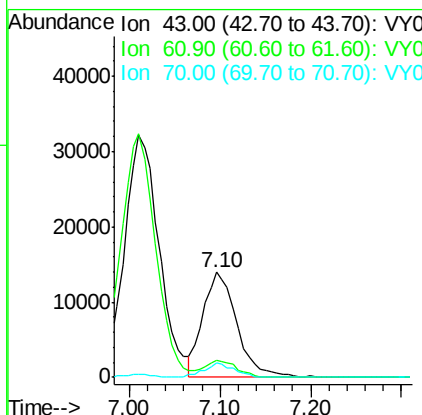
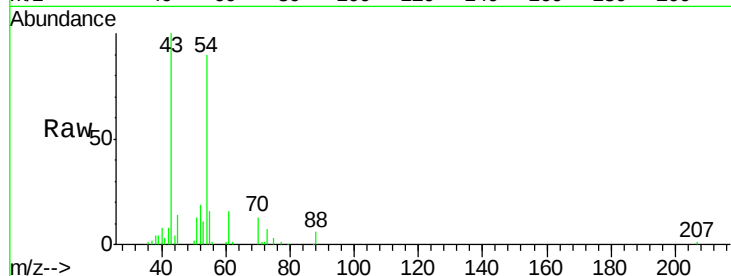




#37
Ethyl Acetate
Concen: 16.22 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

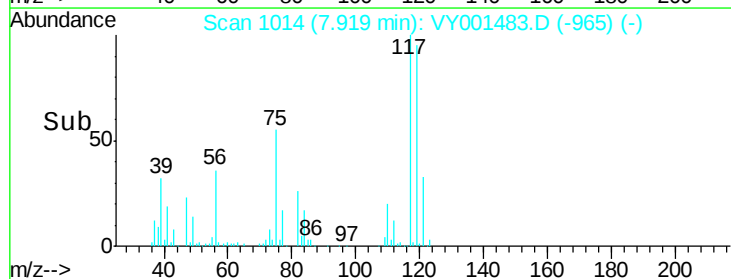
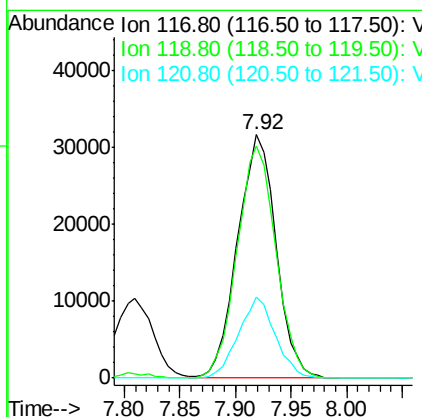
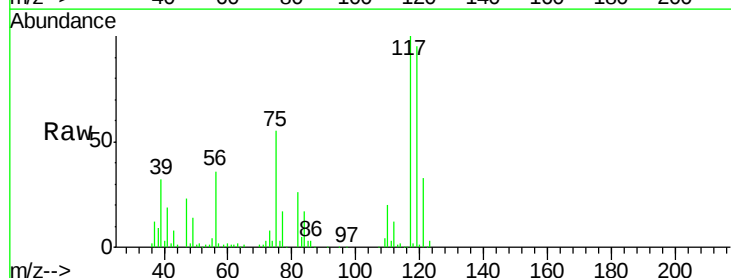
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

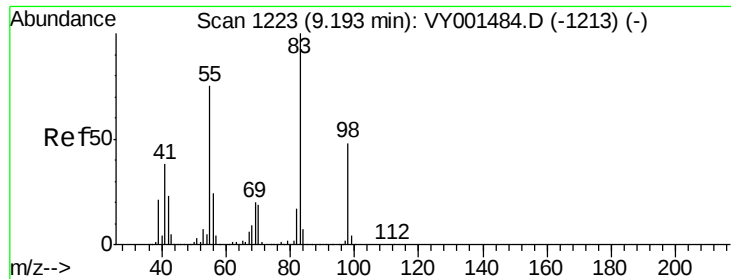
Tgt Ion: 43 Resp: 36721
Ion Ratio Lower Upper
43 100
61 14.8 12.0 18.0
70 12.2 10.2 15.4



#38
Carbon Tetrachloride
Concen: 21.74 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 117 Resp: 76020
Ion Ratio Lower Upper
117 100
119 95.4 76.4 114.6
121 33.2 24.2 36.4

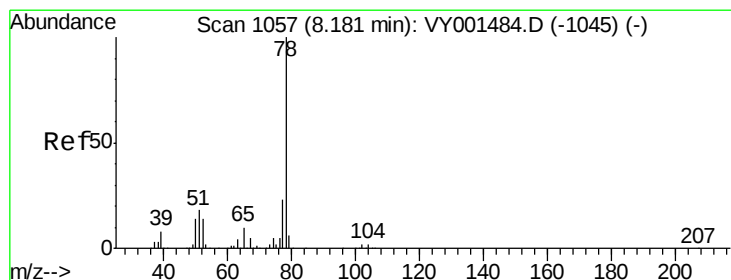
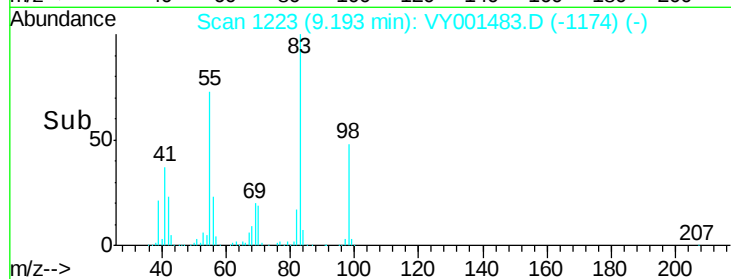
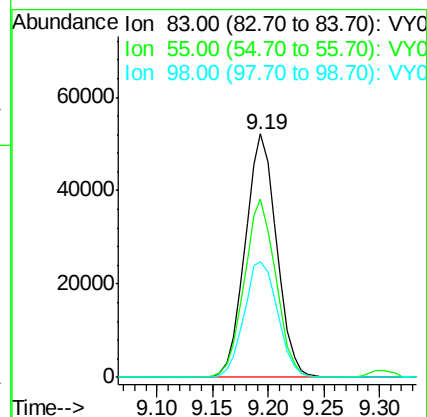
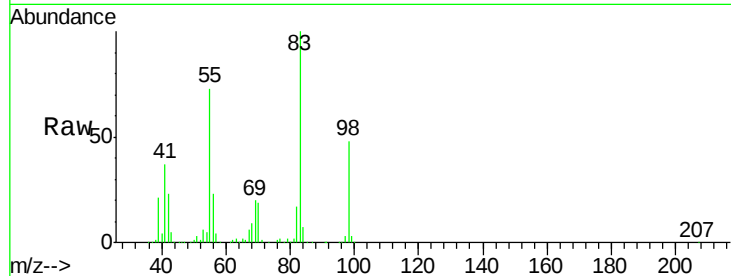




#39
Methylcyclohexane
Concen: 20.51 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

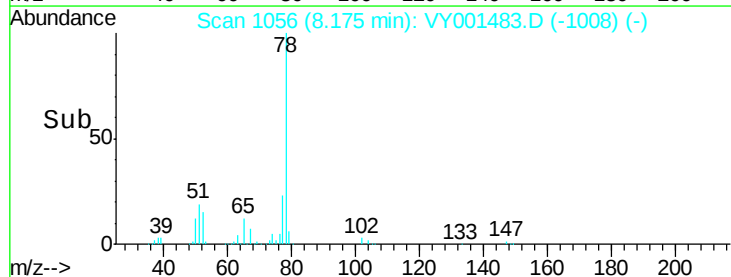
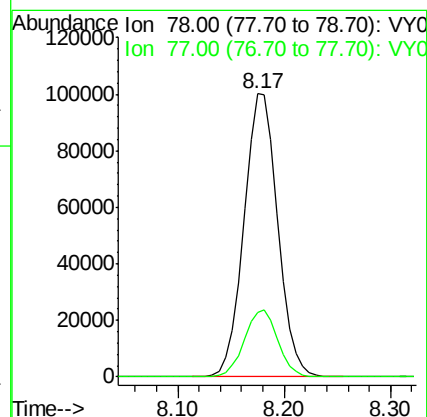
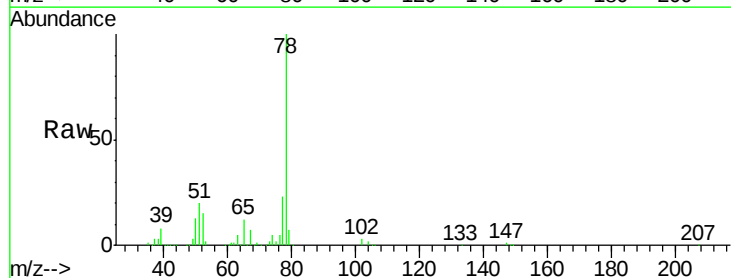
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 102132
Ion Ratio Lower Upper
83 100
55 73.0 59.8 89.6
98 47.6 38.6 57.8



#40
Benzene
Concen: 19.38 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 78 Resp: 222827
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7

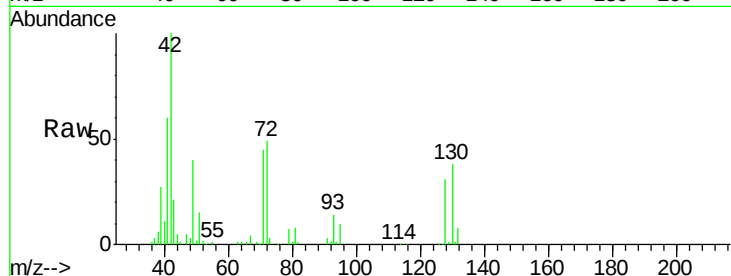




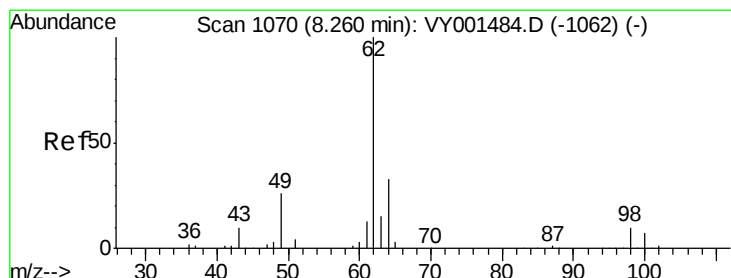
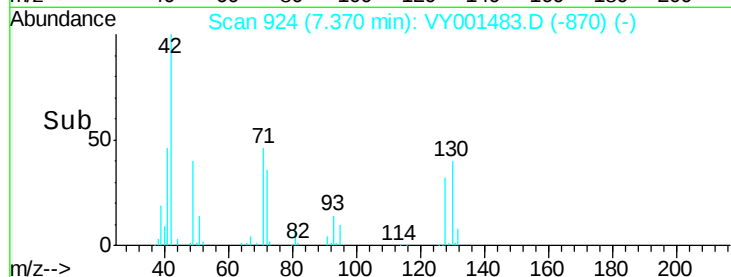
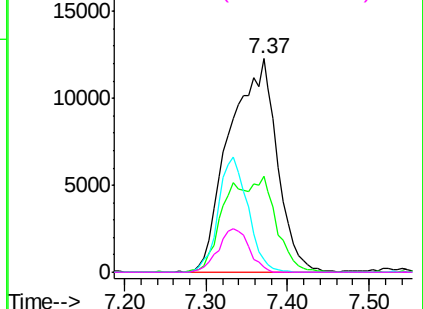
#41
Methacrylonitrile
Concen: 43.25 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 49979
Ion Ratio Lower Upper
41 100
39 0.0 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

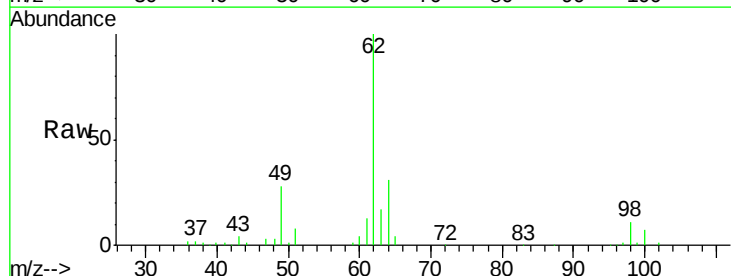


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

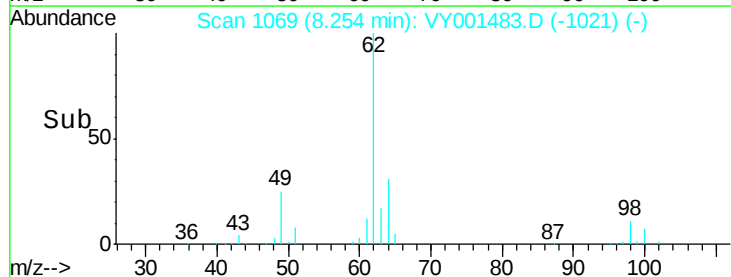
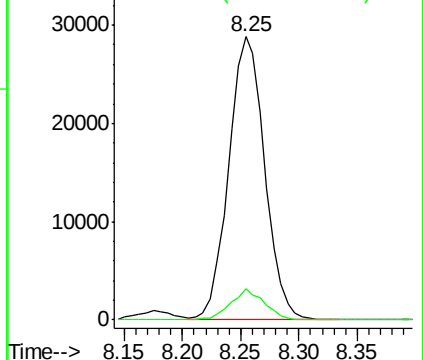


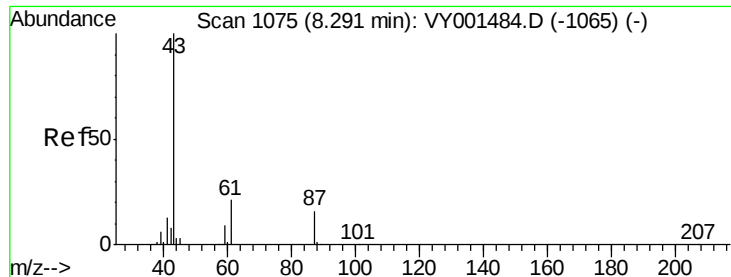
#42
1,2-Dichloroethane
Concen: 19.36 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 62 Resp: 61829
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 16.71 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

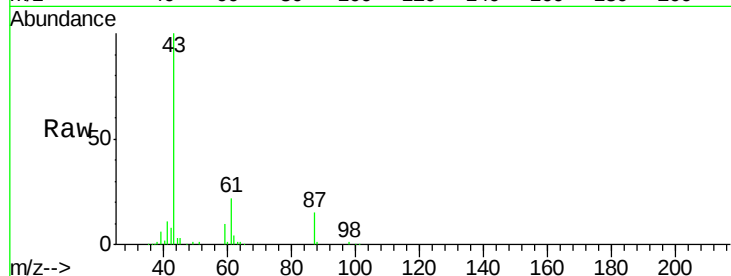
Tgt Ion: 43 Resp: 73546

Ion Ratio Lower Upper

43 100

61 30.9 25.1 37.7

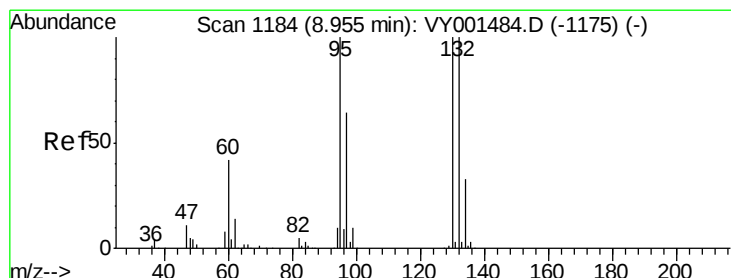
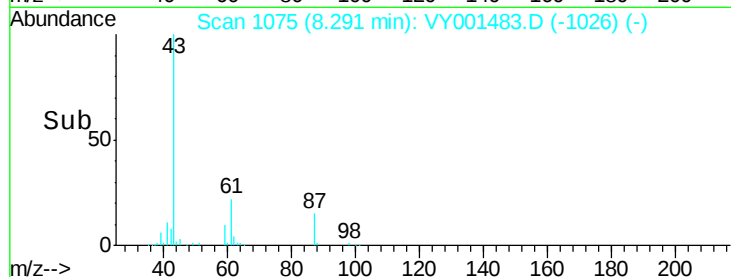
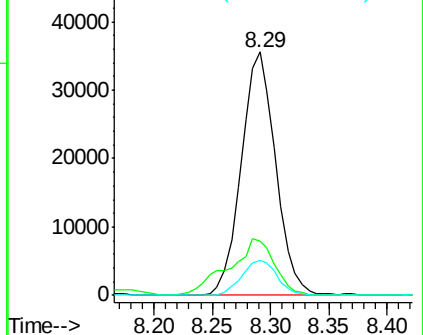
87 14.9 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VY001483.D (-1065) (-)

Ion 61.00 (60.70 to 61.70): VY001483.D (-1065) (-)

Ion 87.00 (86.70 to 87.70): VY001483.D (-1065) (-)



#44

Trichloroethene

Concen: 20.02 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY001483.D

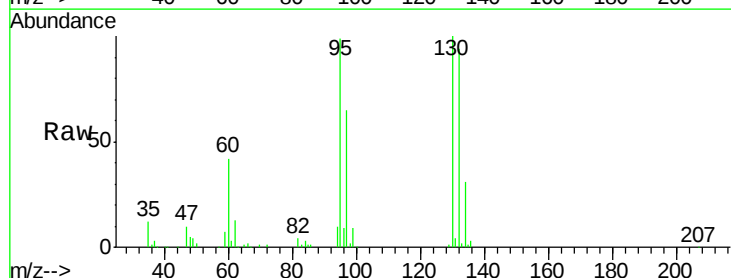
Acq: 04 Feb 2020 13:38

Tgt Ion: 130 Resp: 59610

Ion Ratio Lower Upper

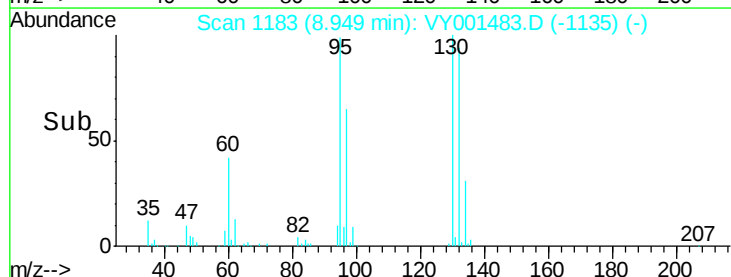
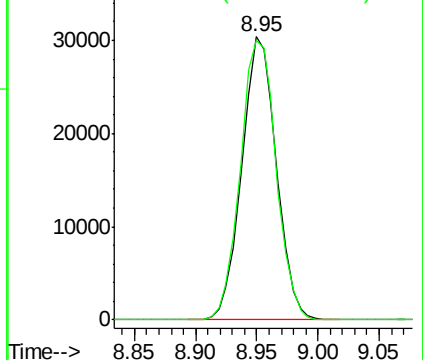
130 100

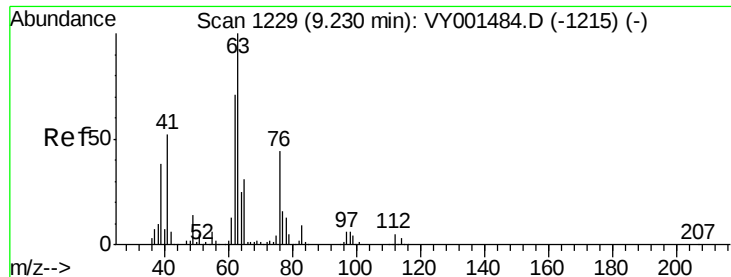
95 98.9 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): VY001483.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY001483.D (-1135) (-)





#45

1,2-Dichloropropane

Concen: 18.91 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

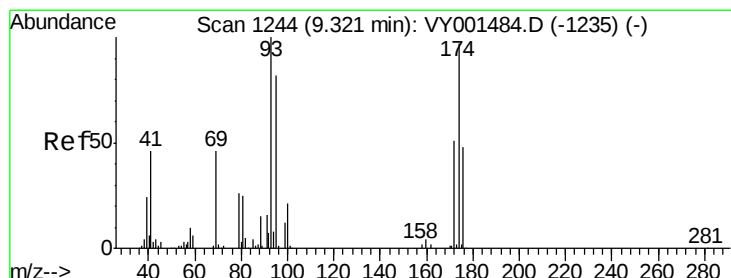
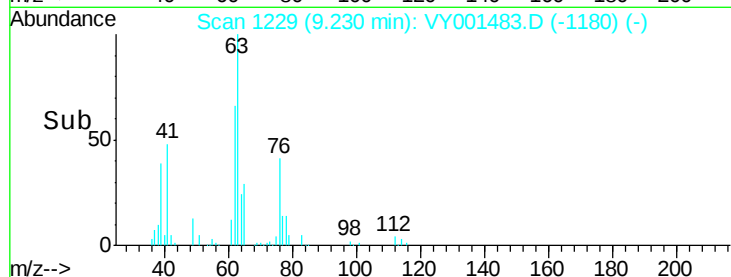
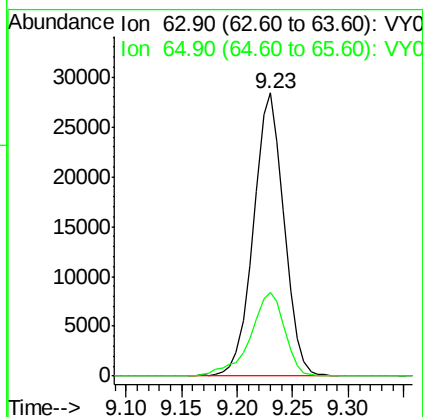
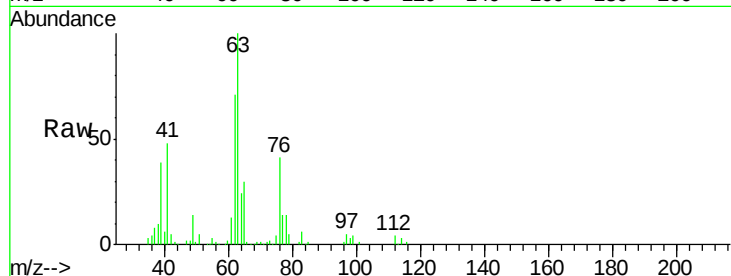
VSTDIC020

Tgt Ion: 63 Resp: 54443

Ion Ratio Lower Upper

63 100

65 29.8 25.0 37.4



#46

Dibromomethane

Concen: 18.93 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

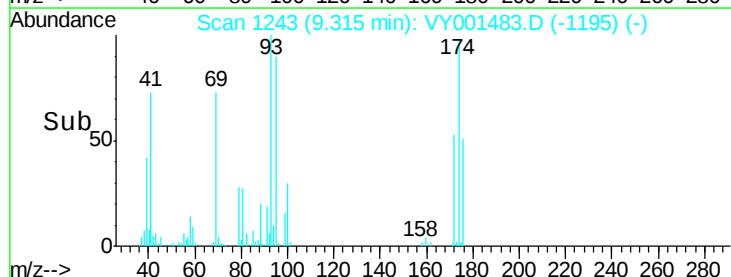
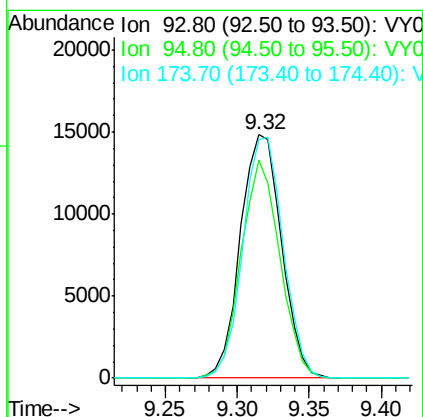
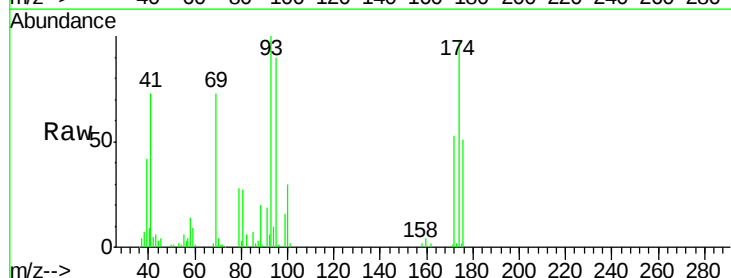
Tgt Ion: 93 Resp: 29444

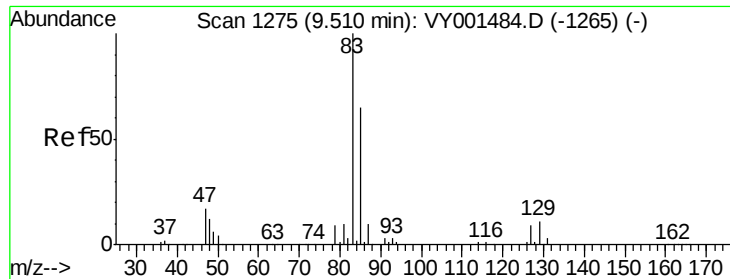
Ion Ratio Lower Upper

93 100

95 84.2 66.6 99.8

174 96.3 75.4 113.2





#47

Bromodichloromethane

Concen: 19.46 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

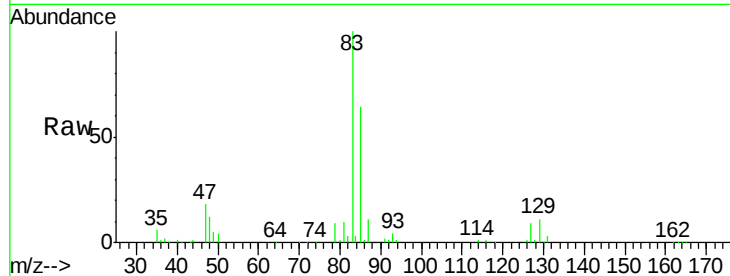
Tgt Ion: 83 Resp: 72851

Ion Ratio Lower Upper

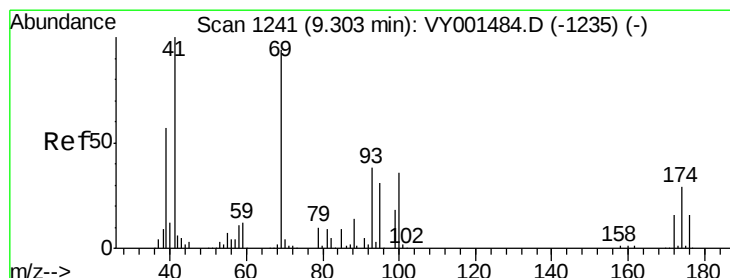
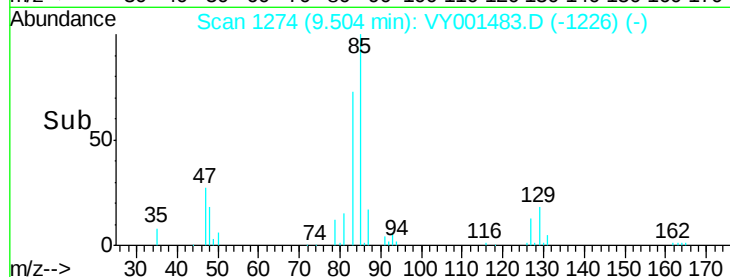
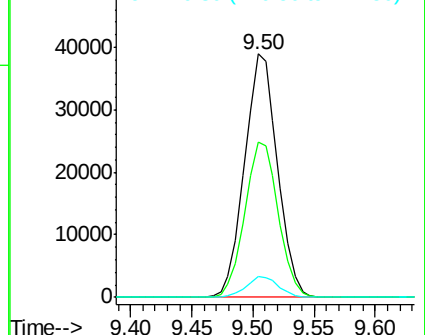
83 100

85 63.6 51.9 77.9

127 8.5 6.9 10.3



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



#48

Methyl methacrylate

Concen: 16.32 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

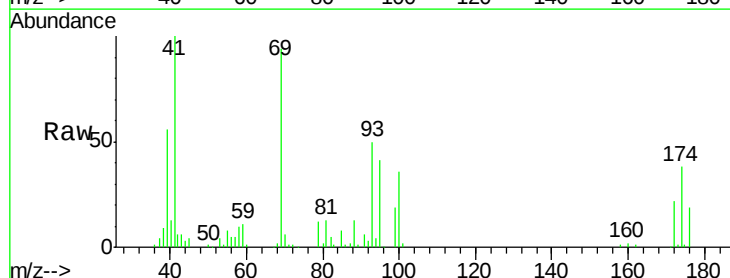
Tgt Ion: 41 Resp: 32780

Ion Ratio Lower Upper

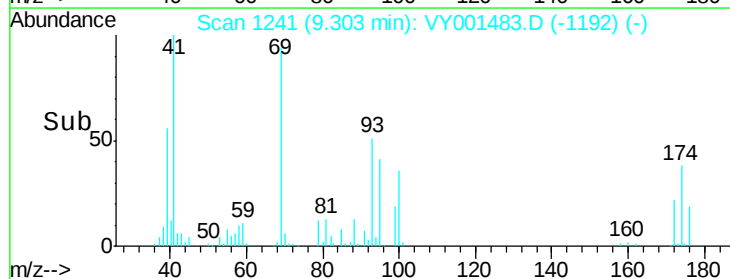
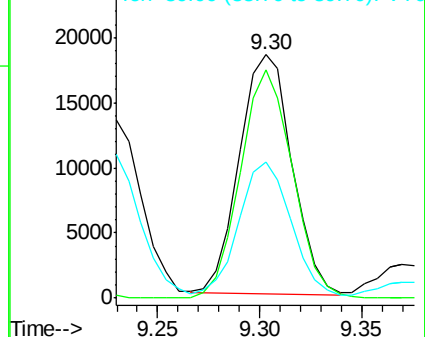
41 100

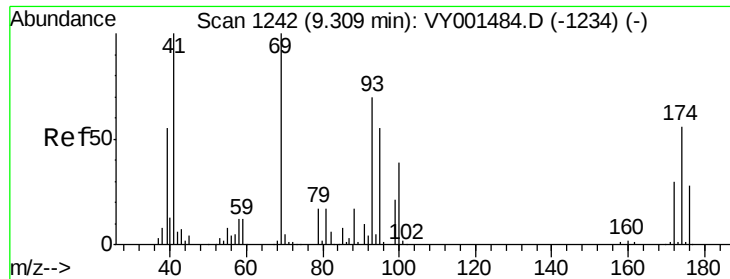
69 95.0 76.6 114.8

39 55.4 45.4 68.0



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: 362.68 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

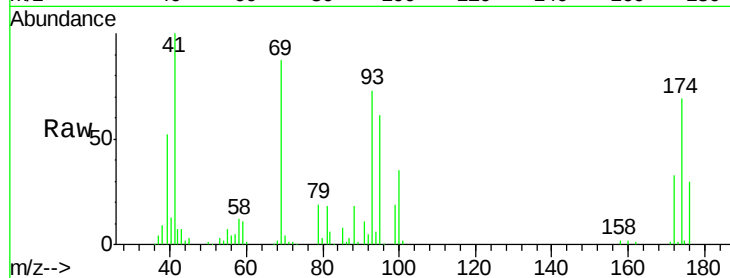
Tgt Ion: 88 Resp: 7832

Ion Ratio Lower Upper

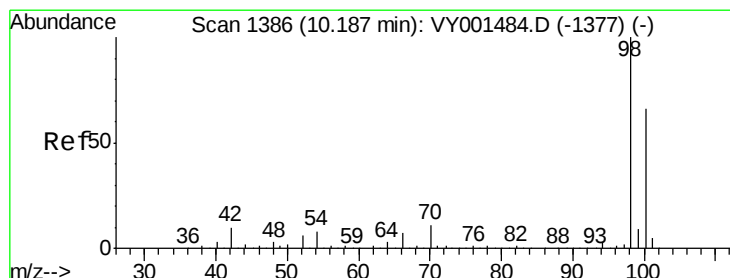
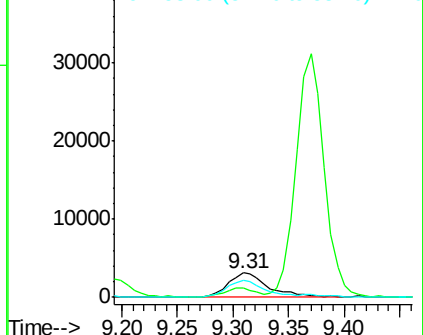
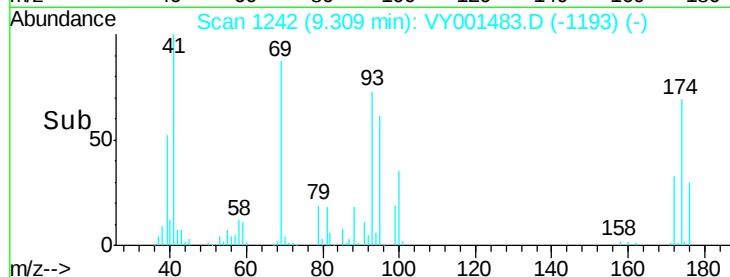
88 100

43 29.2 24.8 37.2

58 71.6 59.3 88.9



Abundance Ion 88.00 (87.70 to 88.70): VY001483.D (-1193) (-)



#50

Toluene-d8

Concen: 17.80 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001483.D

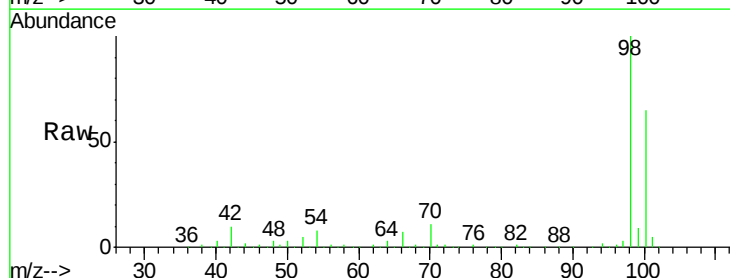
Acq: 04 Feb 2020 13:38

Tgt Ion: 98 Resp: 164598

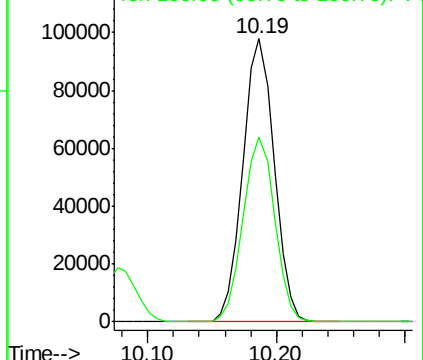
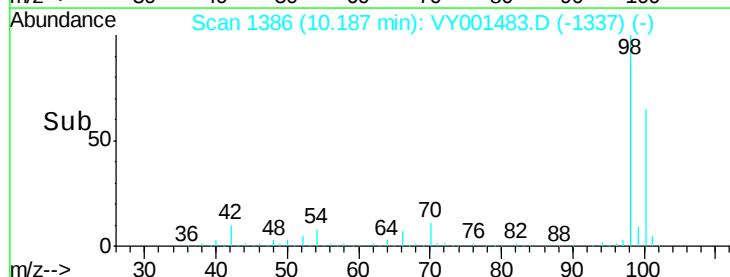
Ion Ratio Lower Upper

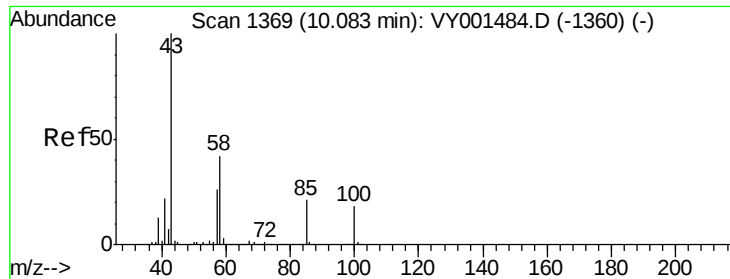
98 100

100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001483.D (-1337) (-)





#51

4-Methyl-2-Pentanone

Concen: 79.81 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampled :

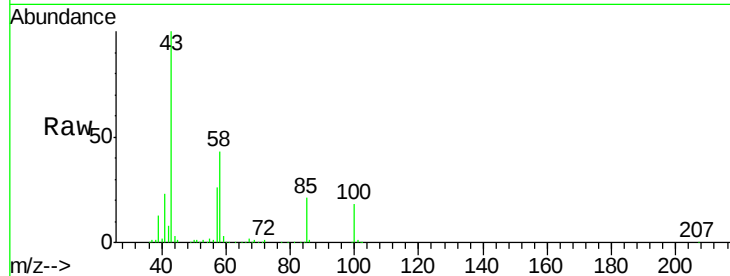
VSTDIC020

Tgt Ion: 43 Resp: 180153

Ion Ratio Lower Upper

43 100

58 41.9 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

120000

100000

80000

60000

40000

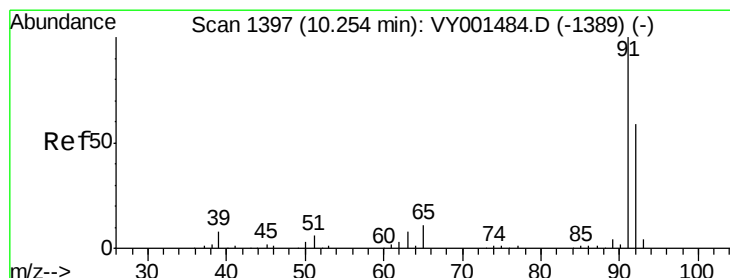
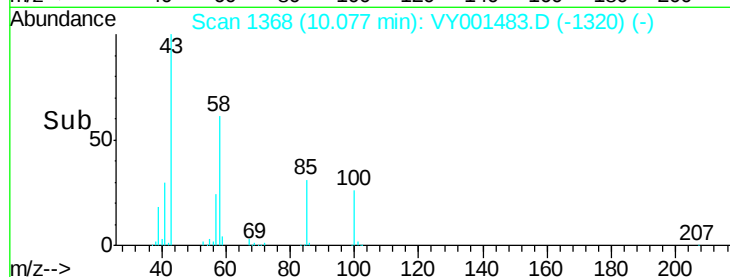
20000

0

10.00

10.10

Time-->



#52

Toluene

Concen: 19.68 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001483.D

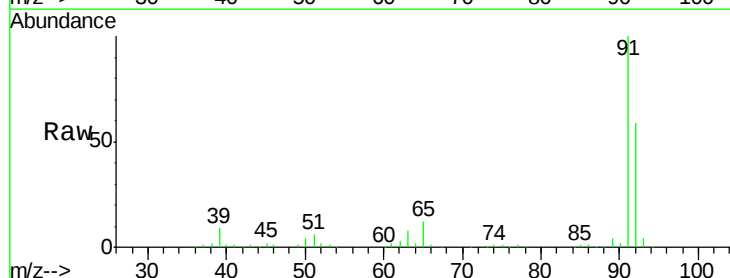
Acq: 04 Feb 2020 13:38

Tgt Ion: 92 Resp: 143347

Ion Ratio Lower Upper

92 100

91 169.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

150000

100000

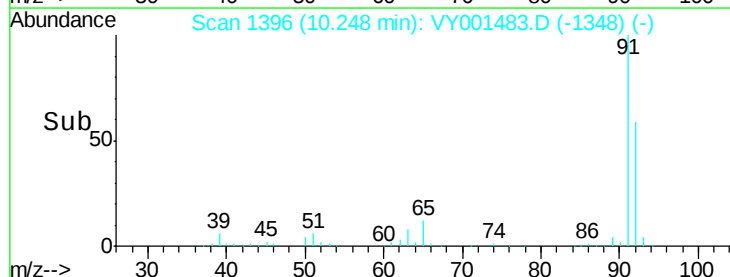
50000

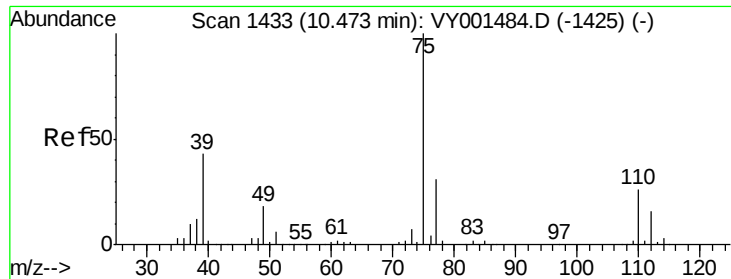
0

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.27 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampled :

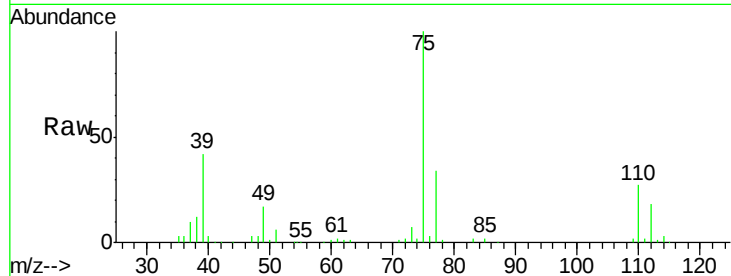
VSTDIC020

Tgt Ion: 75 Resp: 79244

Ion Ratio Lower Upper

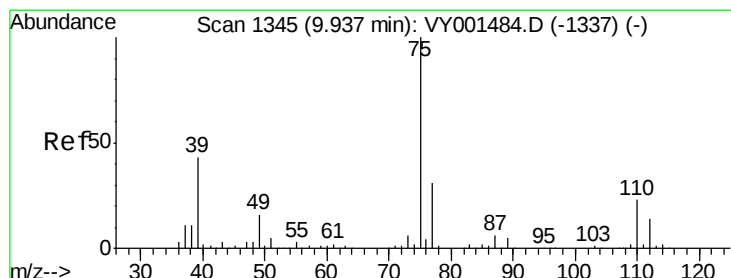
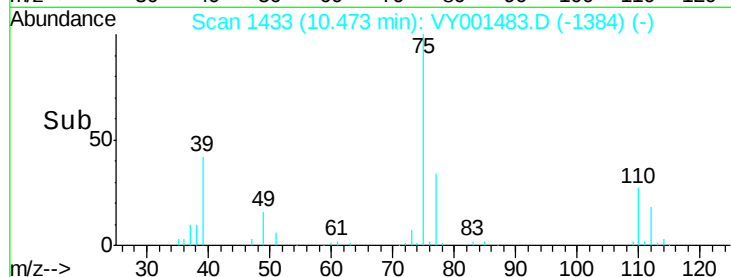
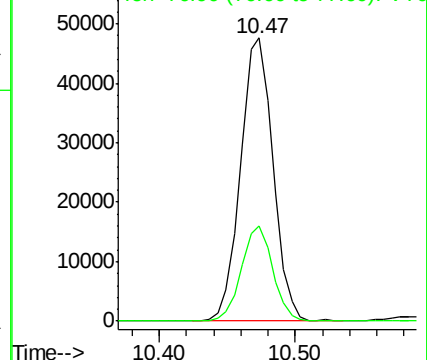
75 100

77 33.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 19.28 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

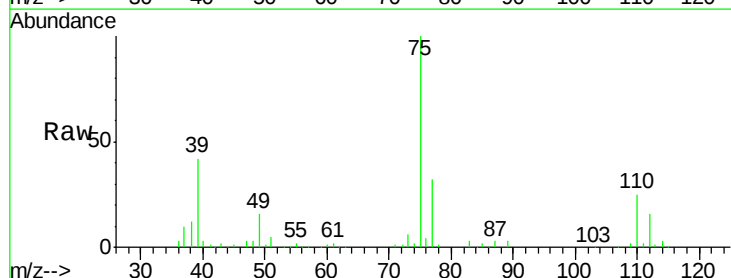
Tgt Ion: 75 Resp: 91429

Ion Ratio Lower Upper

75 100

77 32.4 24.7 37.1

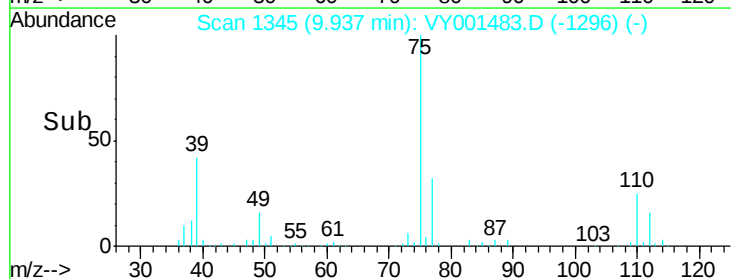
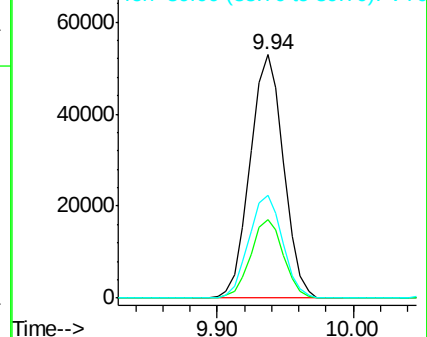
39 42.4 34.0 51.0

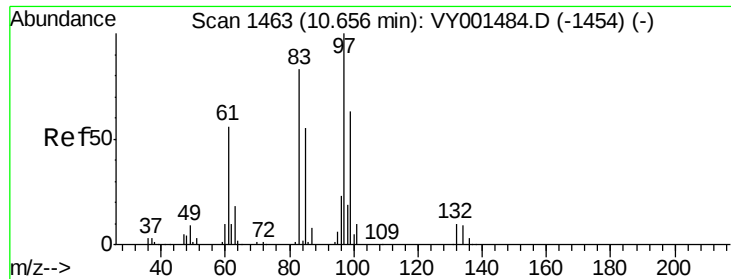


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

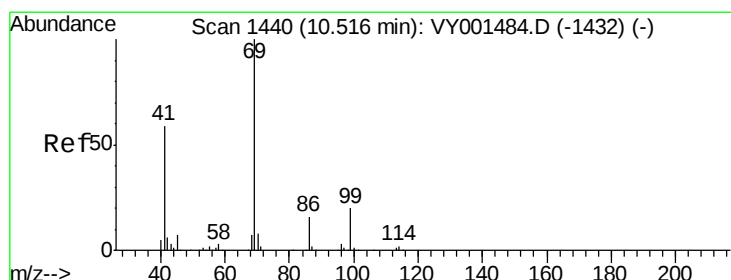
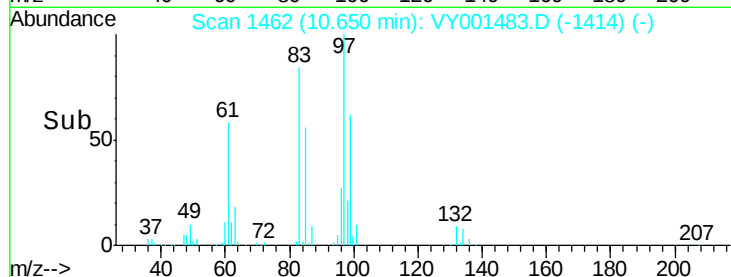
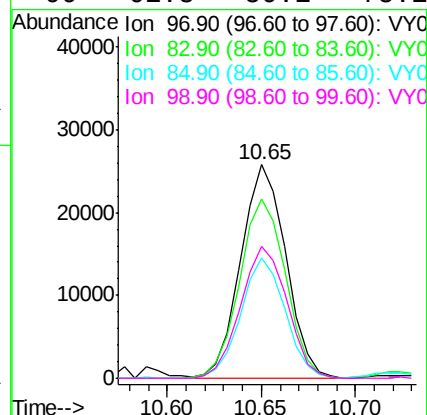
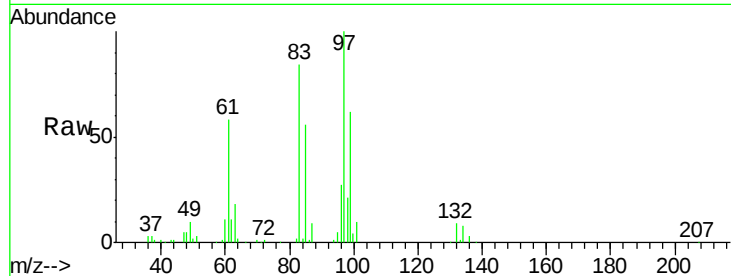




#55
 1,1,2-Trichloroethane
 Concen: 18.80 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

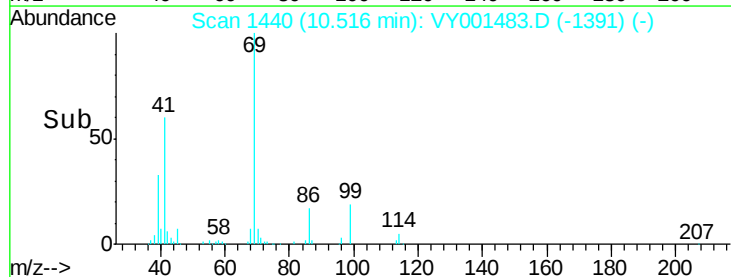
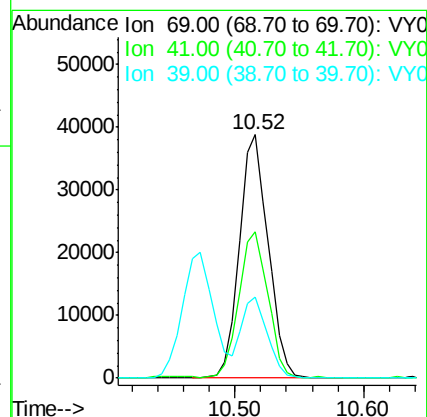
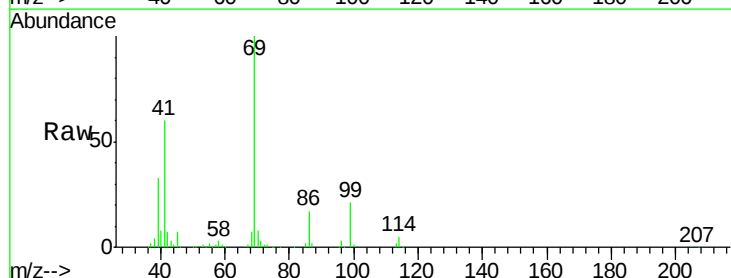
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

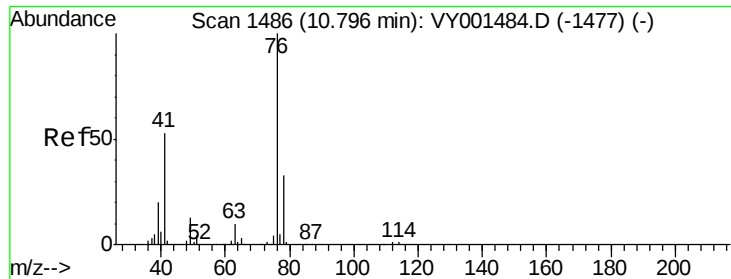
Tgt Ion:	97	Resp:	42854
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.2	99.2
85	56.2	43.8	65.6
99	61.8	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 17.64 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion:	69	Resp:	60280
Ion	Ratio	Lower	Upper
69	100		
41	61.2	47.8	71.8
39	30.0	24.4	36.6





#57

1,3-Dichloropropane

Concen: 18.89 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

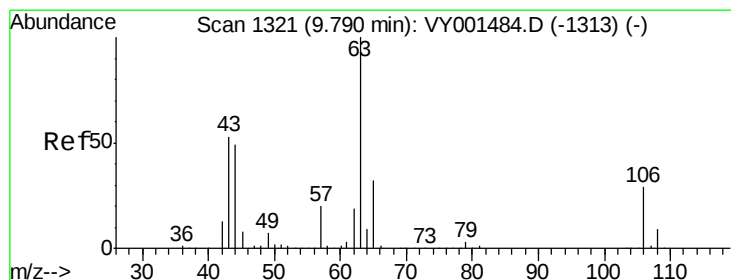
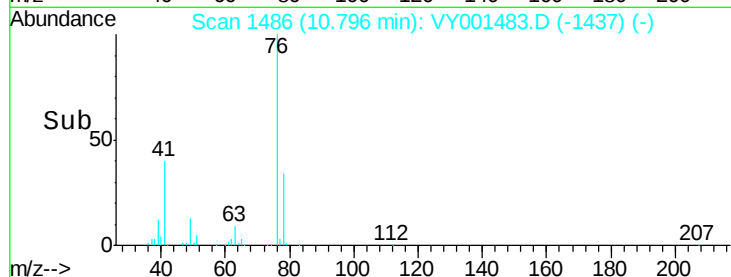
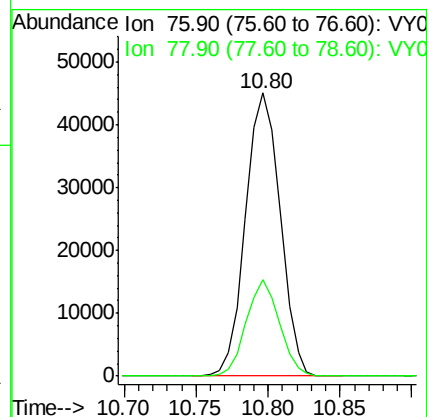
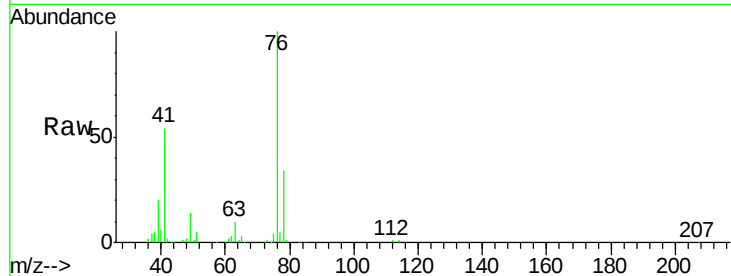
VSTDIC020

Tgt Ion: 76 Resp: 75183

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 82.76 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY001483.D

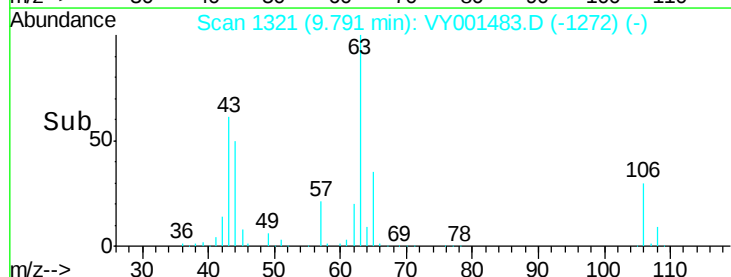
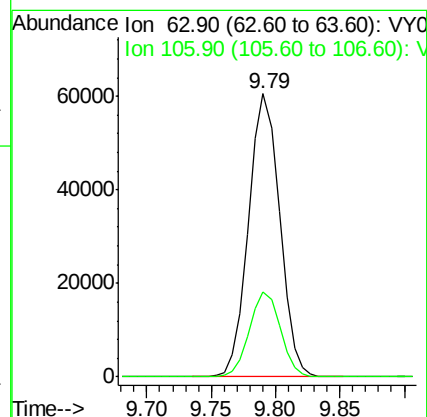
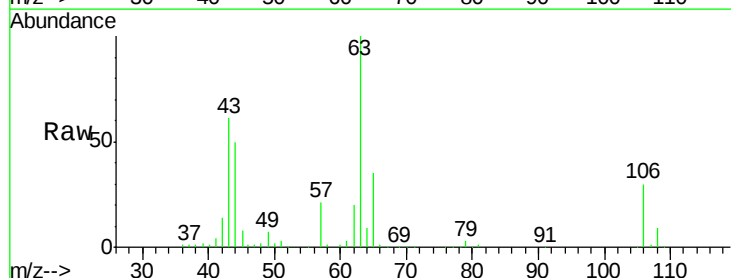
Acq: 04 Feb 2020 13:38

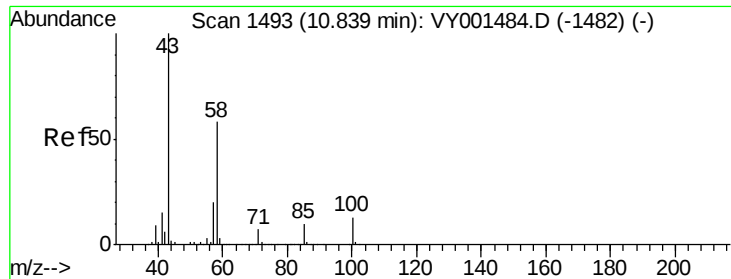
Tgt Ion: 63 Resp: 101121

Ion Ratio Lower Upper

63 100

106 29.8 24.0 36.0





#59

2-Hexanone

Concen: 81.80 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

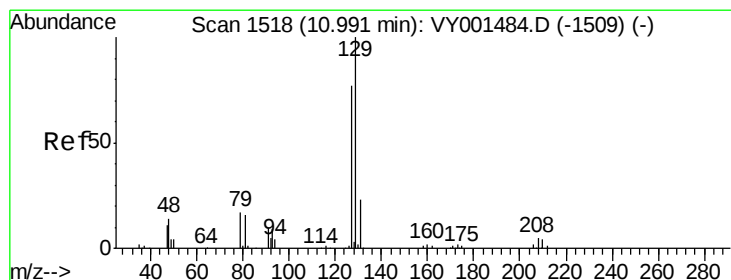
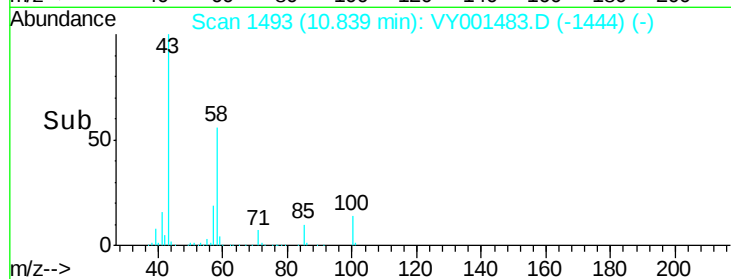
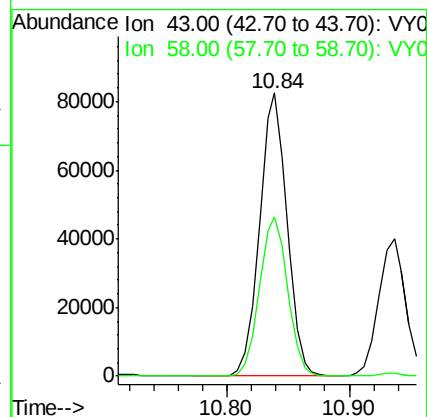
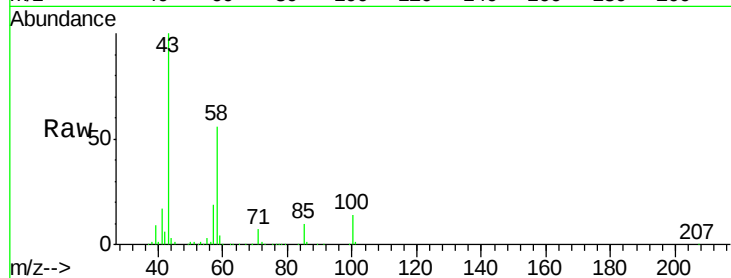
VSTDIC020

Tgt Ion: 43 Resp: 129130

Ion Ratio Lower Upper

43 100

58 57.8 29.0 87.0



#60

Dibromochloromethane

Concen: 19.22 ug/l

RT: 10.99 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VY001483.D

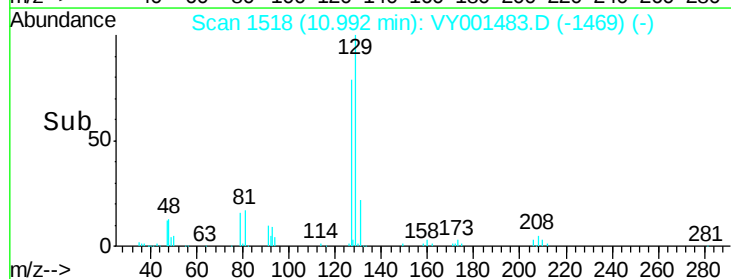
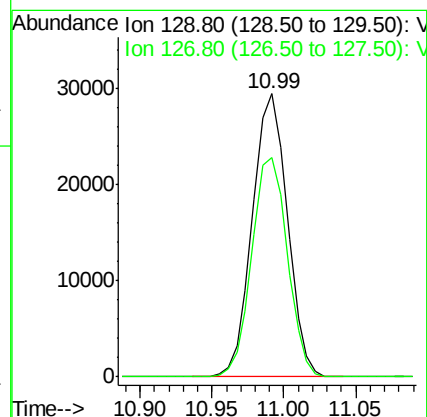
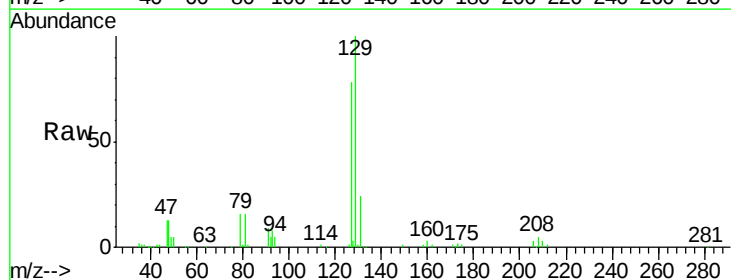
Acq: 04 Feb 2020 13:38

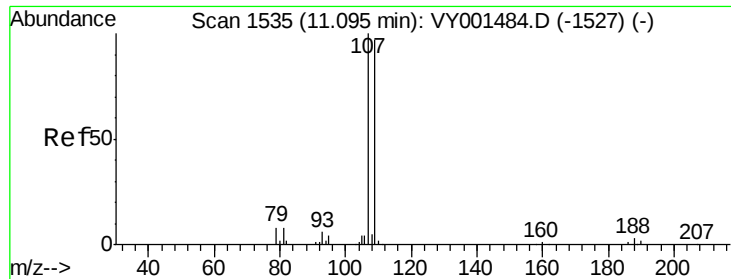
Tgt Ion: 129 Resp: 49595

Ion Ratio Lower Upper

129 100

127 78.7 38.9 116.6

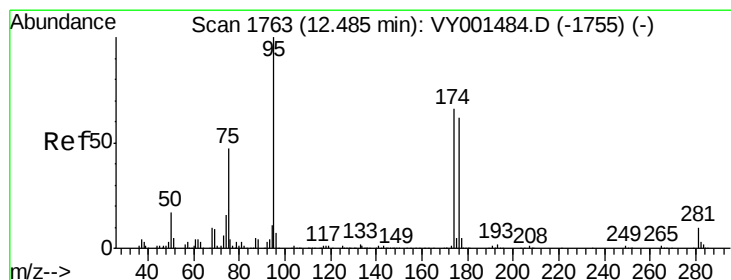
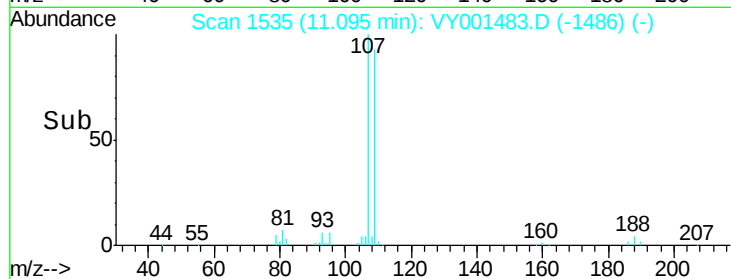
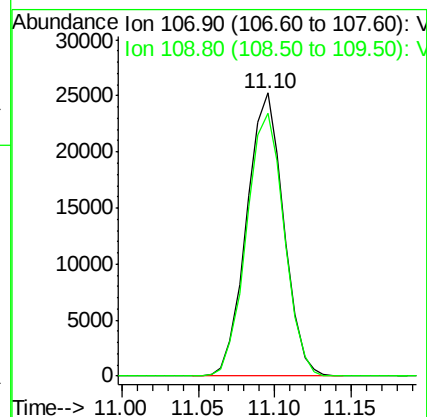
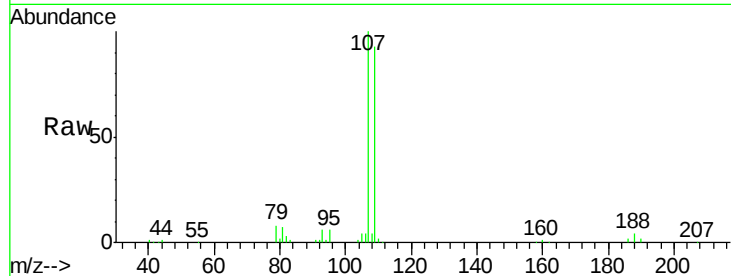




#61
 1,2-Dibromoethane
 Concen: 19.55 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

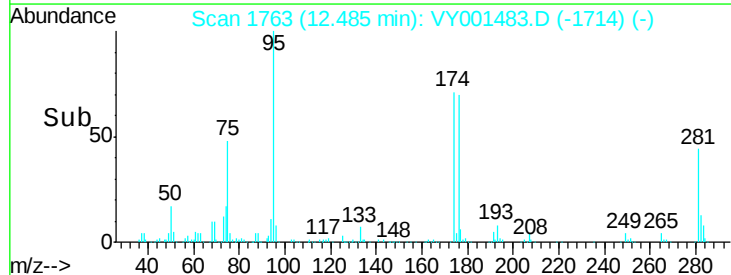
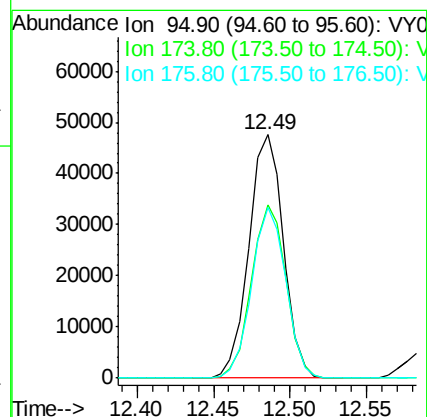
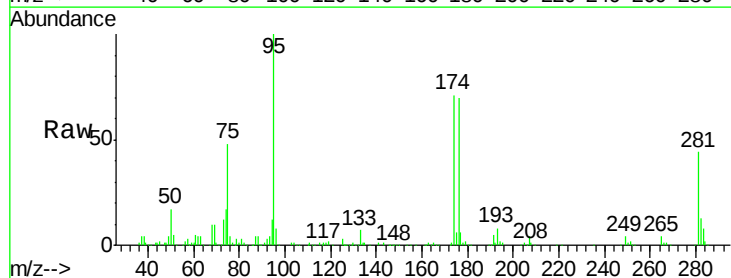
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

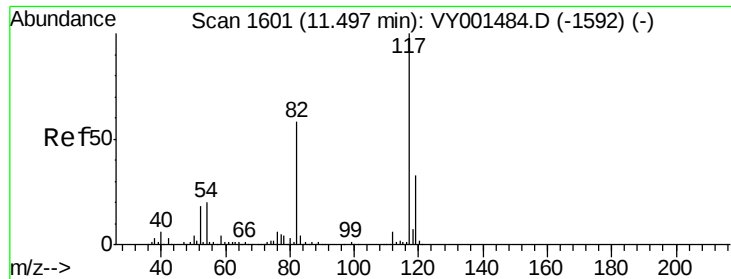
Tgt Ion: 107 Resp: 42374
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 20.38 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion: 95 Resp: 74602
 Ion Ratio Lower Upper
 95 100
 174 71.2 0.0 141.4
 176 69.5 0.0 135.4

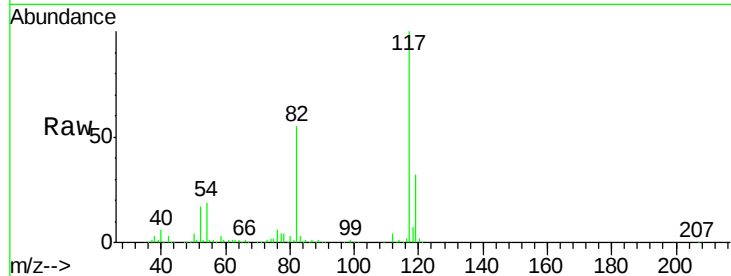




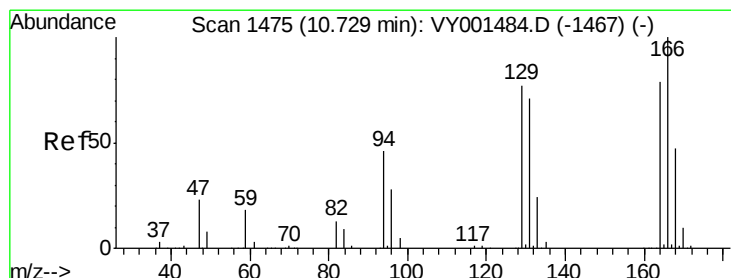
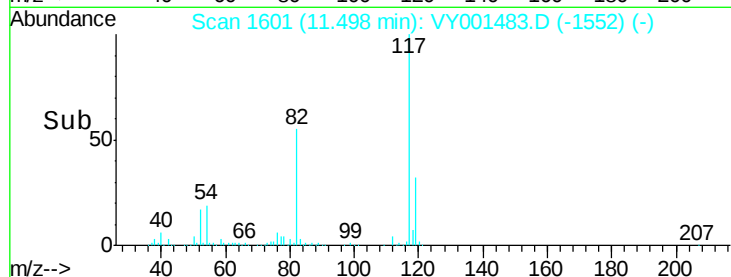
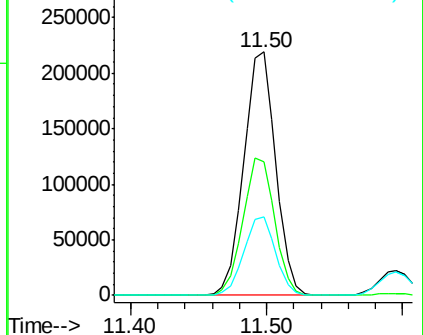
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 358883
Ion Ratio Lower Upper
117 100
82 54.8 46.1 69.1
119 32.1 26.1 39.1

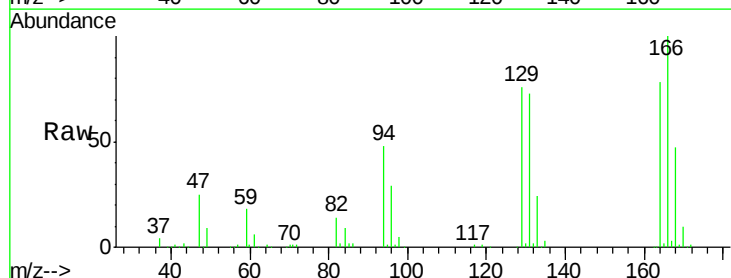


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

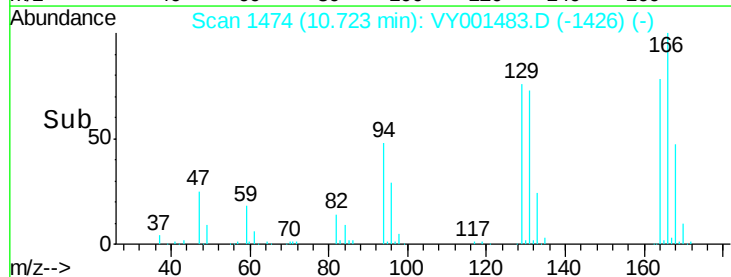
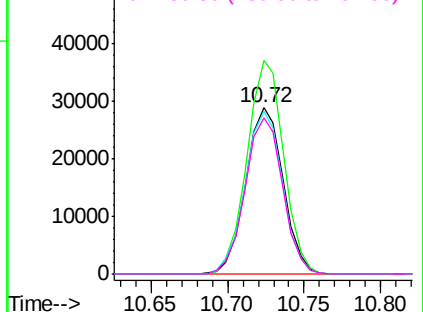


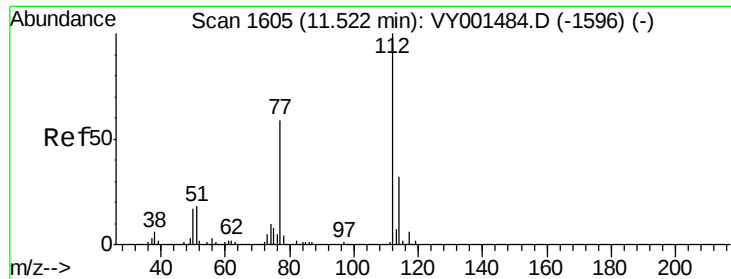
#64
Tetrachloroethene
Concen: 21.03 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion:164 Resp: 48914
Ion Ratio Lower Upper
164 100
166 128.6 100.8 151.2
129 97.9 77.8 116.6
131 93.9 72.0 108.0



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

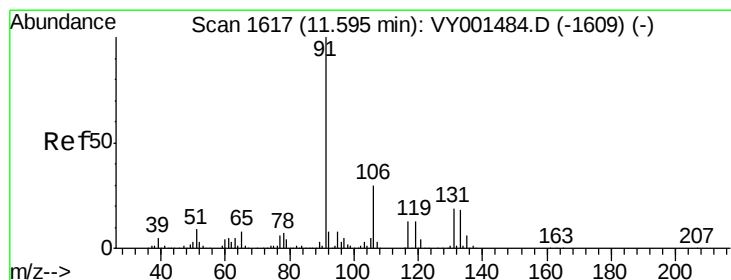
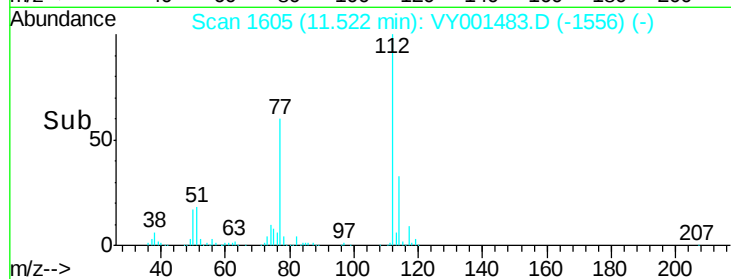
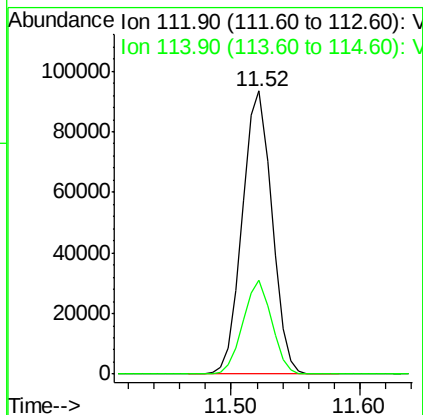
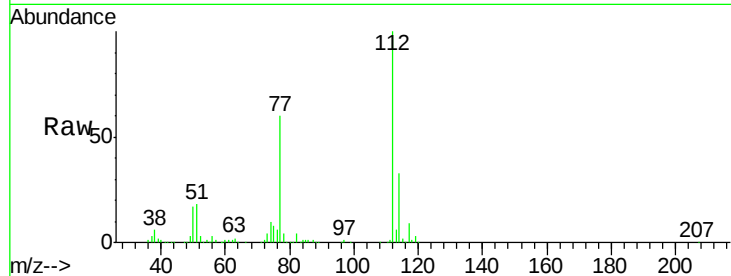




#65
Chlorobenzene
Concen: 19.62 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

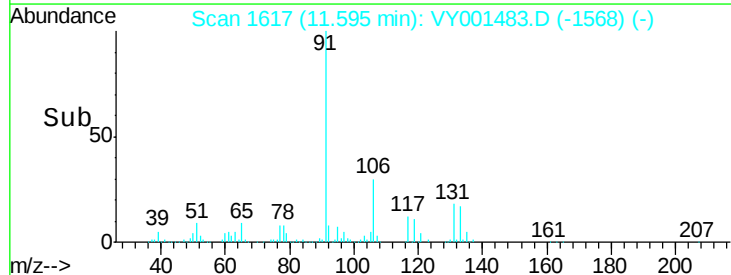
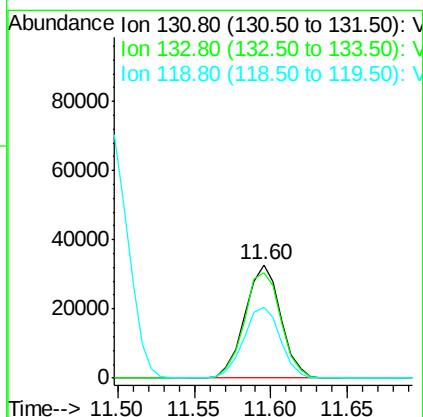
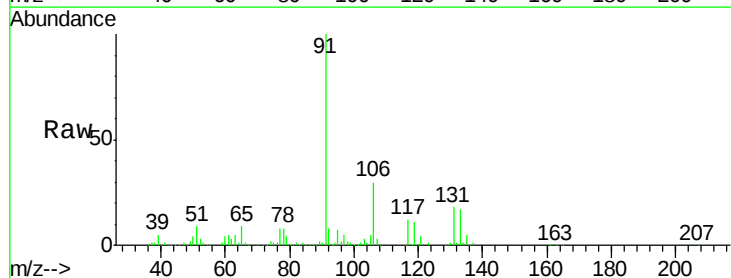
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

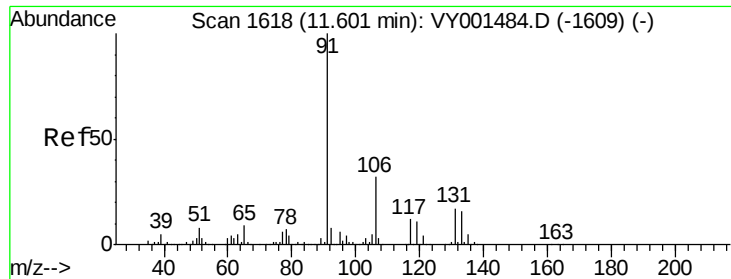
Tgt Ion:112 Resp: 148132
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.68 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion:131 Resp: 53292
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 64.4 33.7 101.0

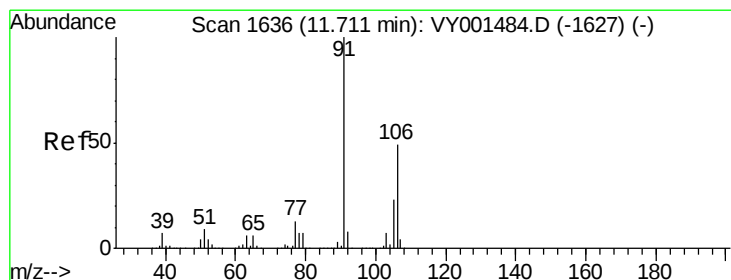
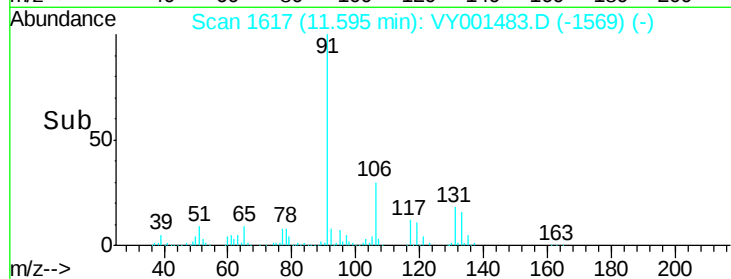
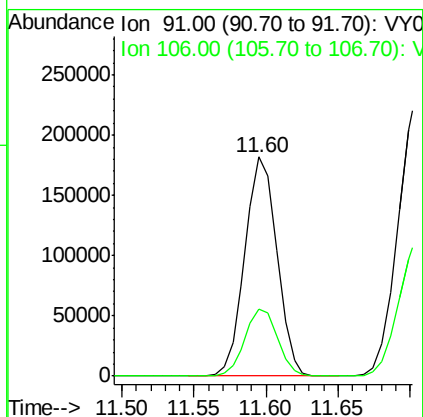
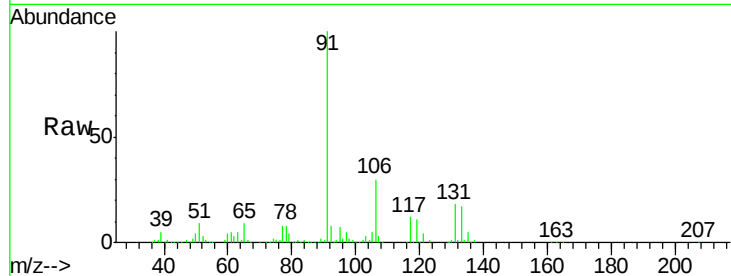




#67
Ethyl Benzene
Concen: 20.17 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

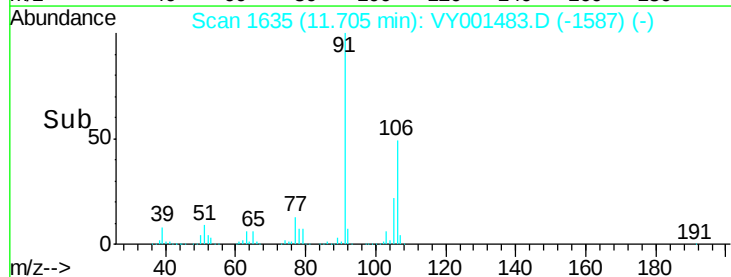
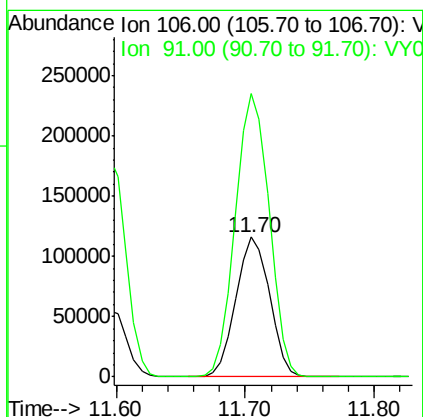
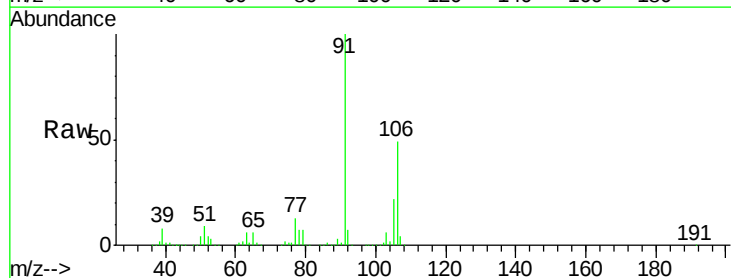
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

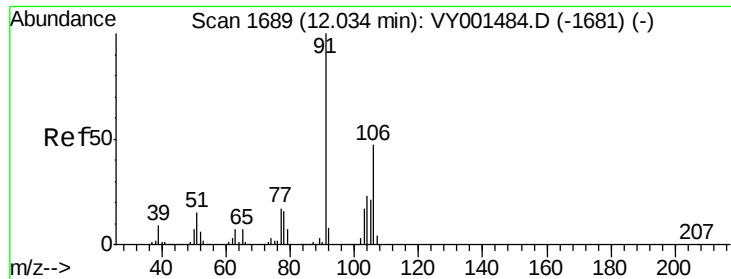
Tgt Ion: 91 Resp: 280312
Ion Ratio Lower Upper
91 100
106 30.3 25.3 37.9



#68
m/p-Xylenes
Concen: 40.59 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 106 Resp: 210551
Ion Ratio Lower Upper
106 100
91 203.8 163.6 245.4

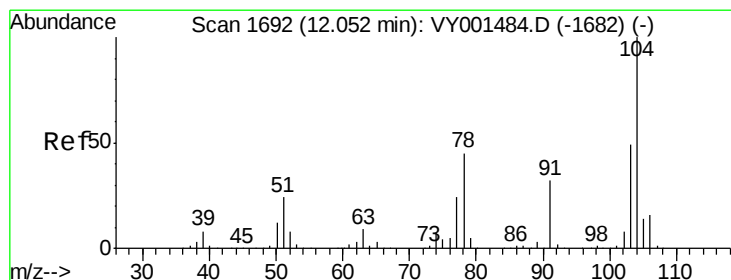
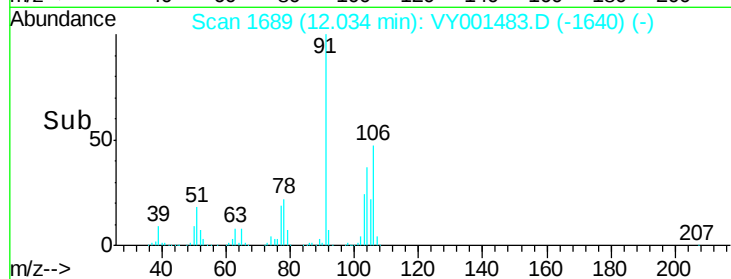
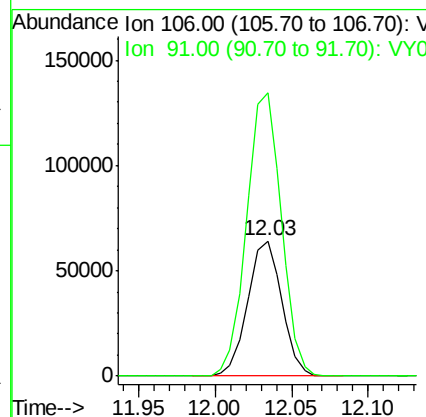
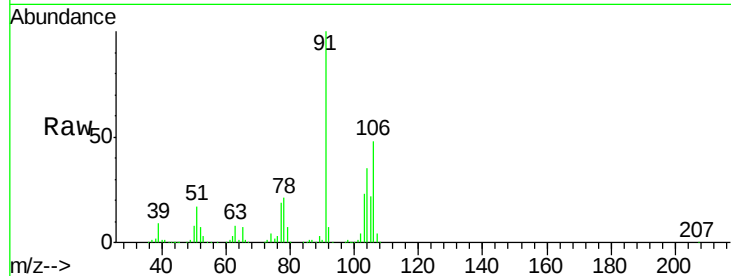




#69
o-Xylene
Concen: 19.95 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

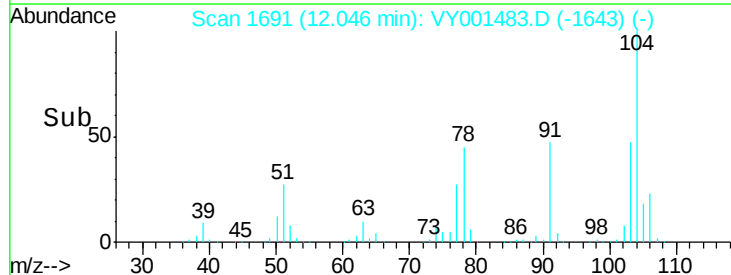
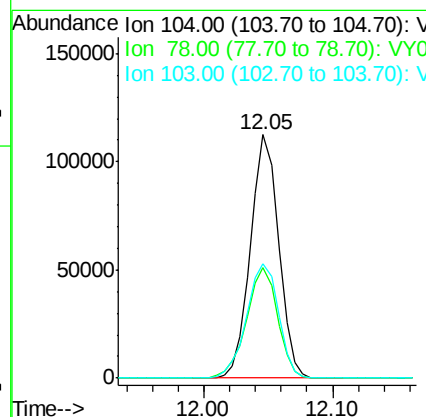
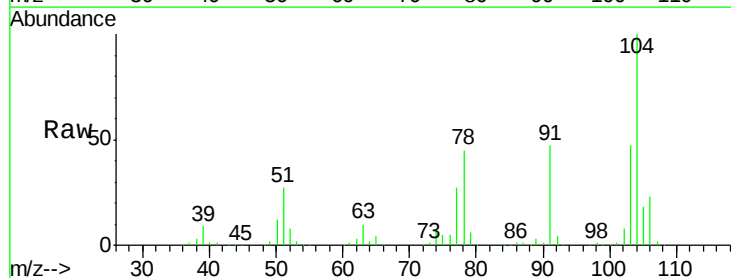
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

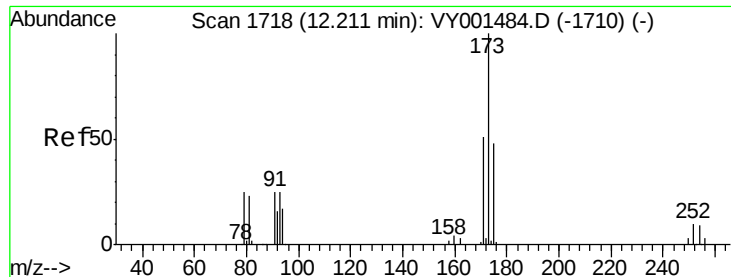
Tgt Ion:106 Resp: 99442
Ion Ratio Lower Upper
106 100
91 213.4 106.0 318.0



#70
Styrene
Concen: 19.45 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion:104 Resp: 169496
Ion Ratio Lower Upper
104 100
78 50.1 40.4 60.6
103 53.5 42.8 64.2





#71

Bromoform

Concen: 18.90 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

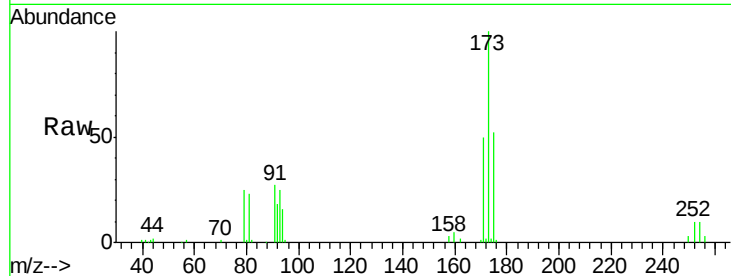
Tgt Ion:173 Resp: 28799

Ion Ratio Lower Upper

173 100

175 47.8 24.0 72.0

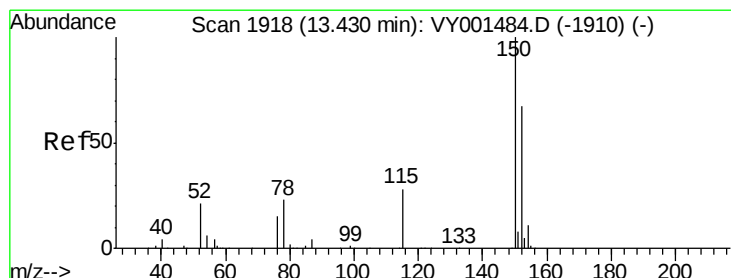
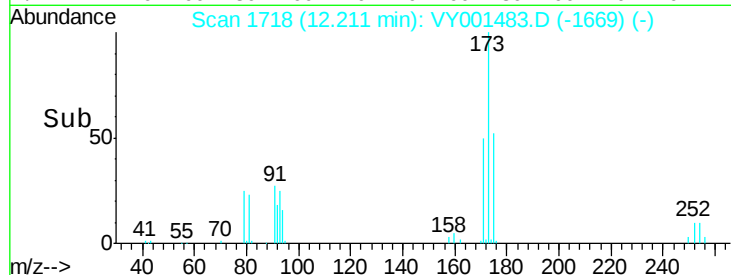
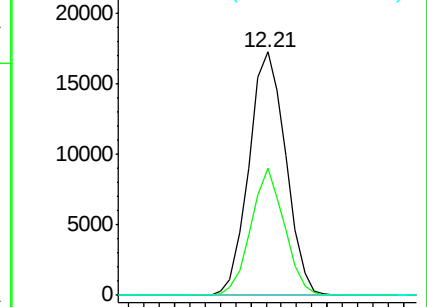
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

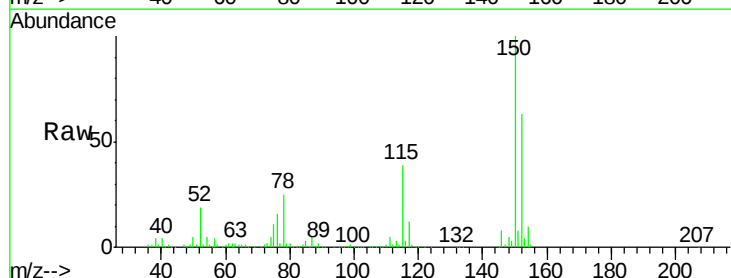
Tgt Ion:152 Resp: 170125

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.3

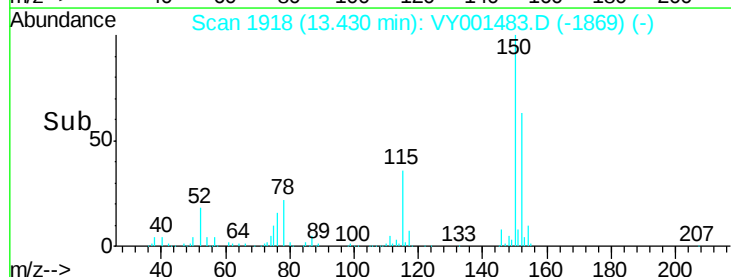
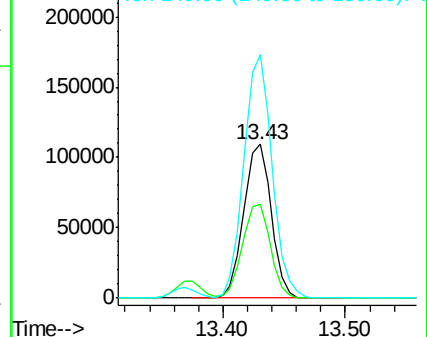
150 163.1 0.0 346.8

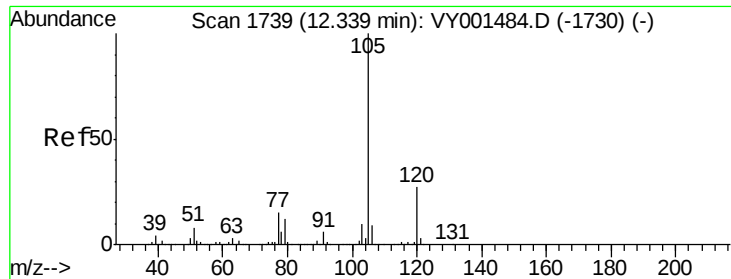


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

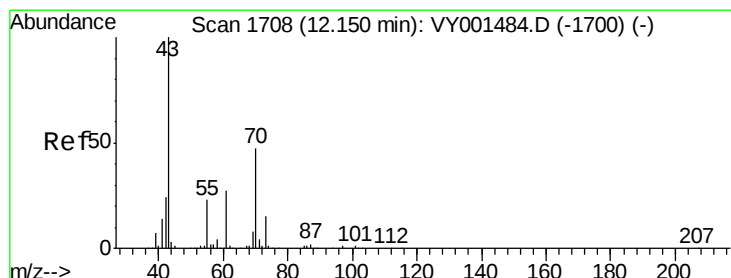
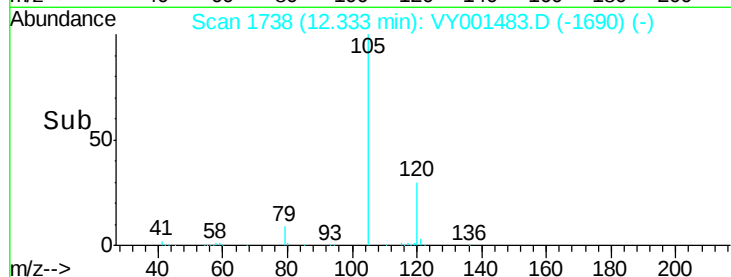
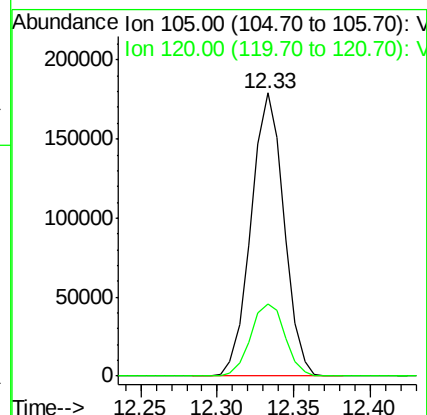
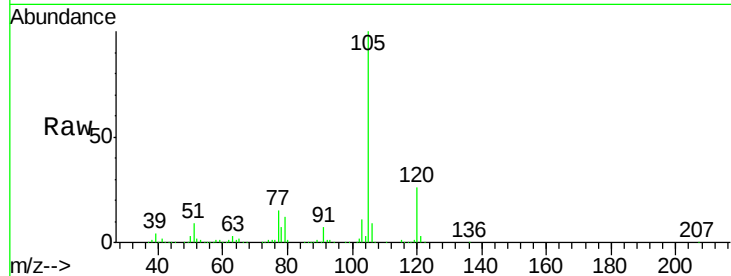




#73
Isopropylbenzene
Concen: 19.98 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

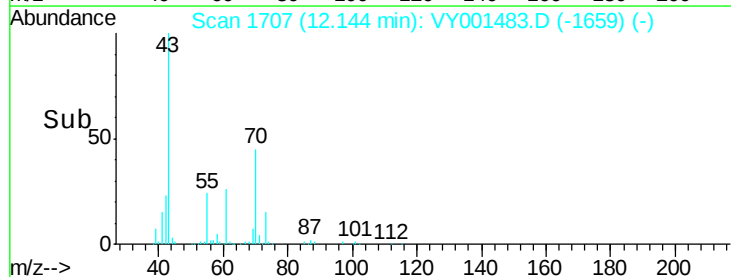
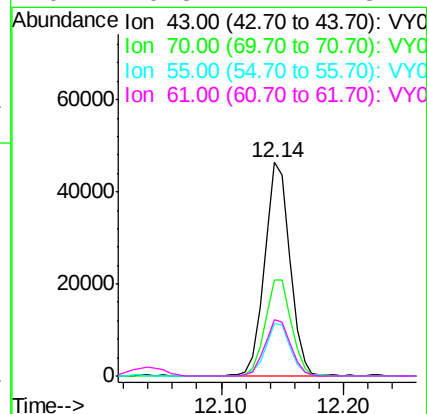
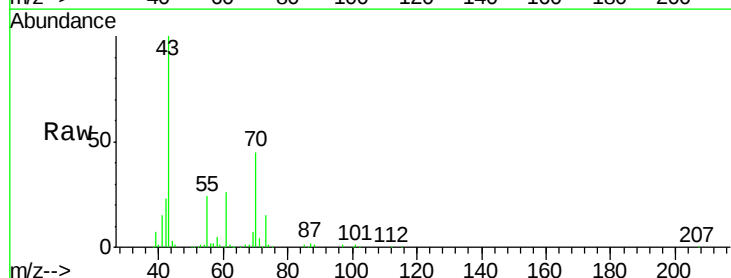
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

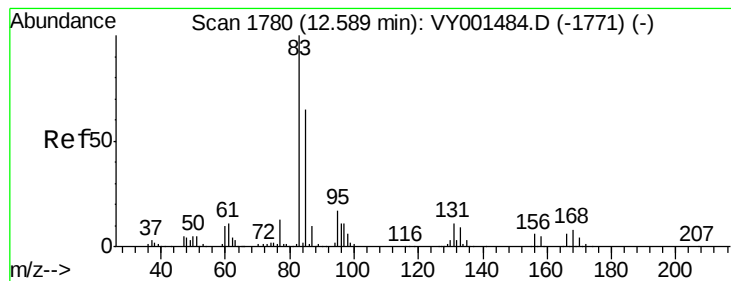
Tgt Ion: 105 Resp: 268641
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9



#74
N-ethyl acetate
Concen: 15.92 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.01 min
Lab File: VY001483.D
Acq: 04 Feb 2020 13:38

Tgt Ion: 43 Resp: 67245
Ion Ratio Lower Upper
43 100
70 46.6 37.2 55.8
55 24.2 18.8 28.2
61 26.8 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.99 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

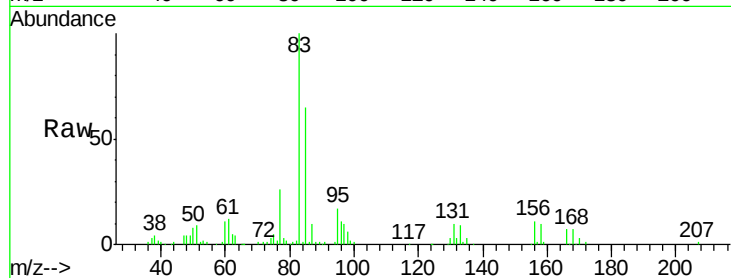
Tgt Ion: 83 Resp: 50450

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

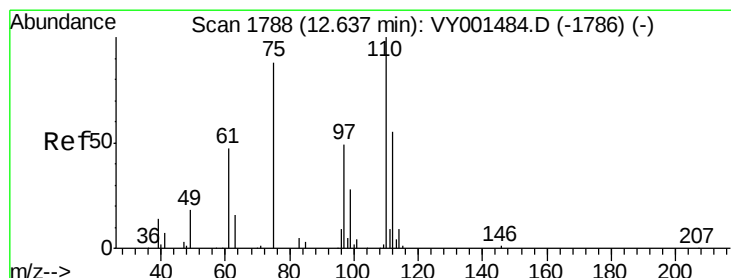
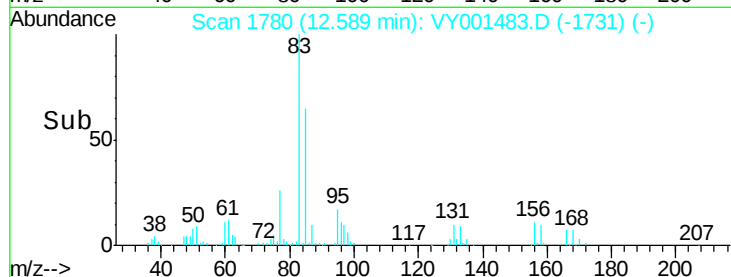
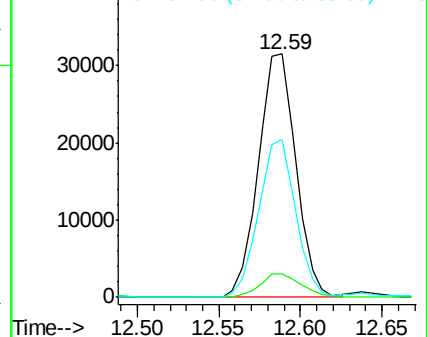
85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 33.72 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY001483.D

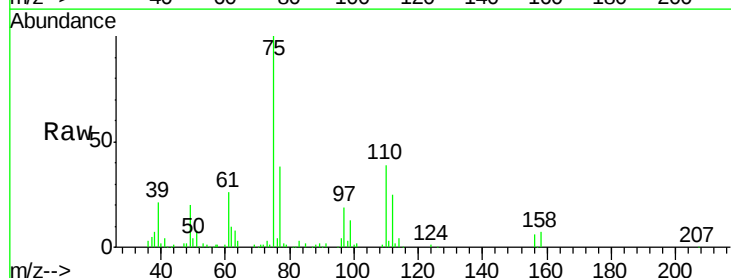
Acq: 04 Feb 2020 13:38

Tgt Ion: 75 Resp: 67896

Ion Ratio Lower Upper

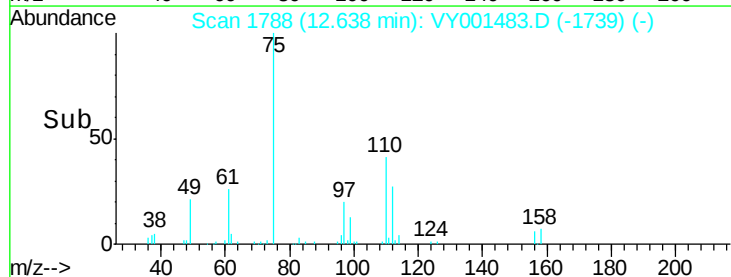
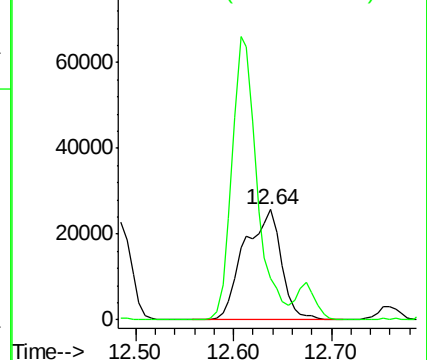
75 100

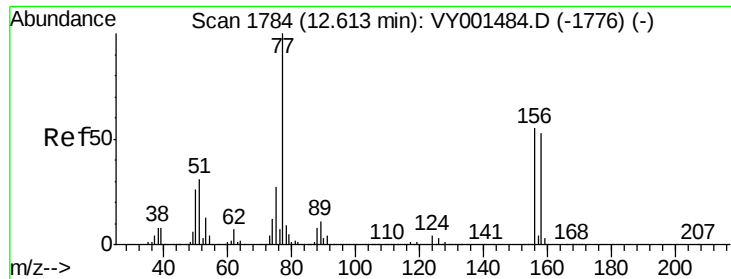
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 19.46 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

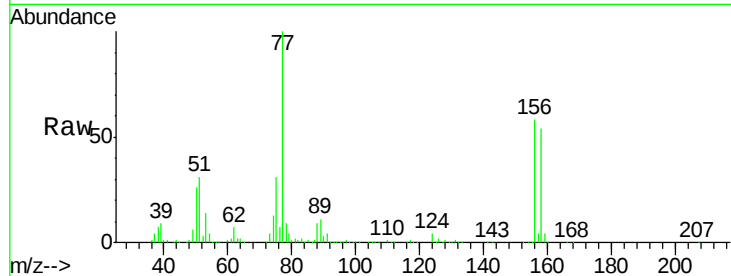
Tgt Ion:156 Resp: 57769

Ion Ratio Lower Upper

156 100

77 204.3 99.8 299.3

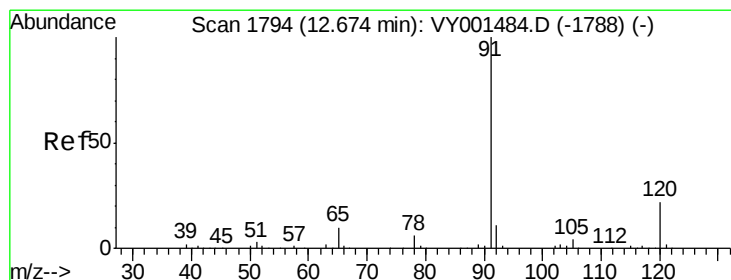
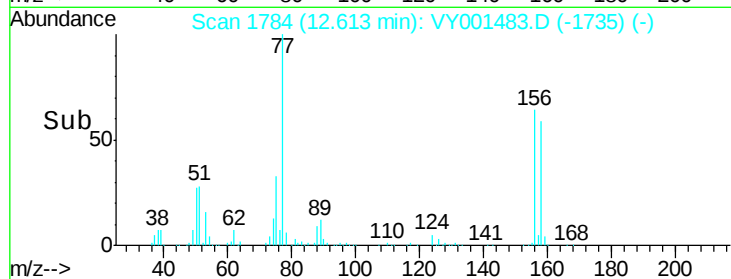
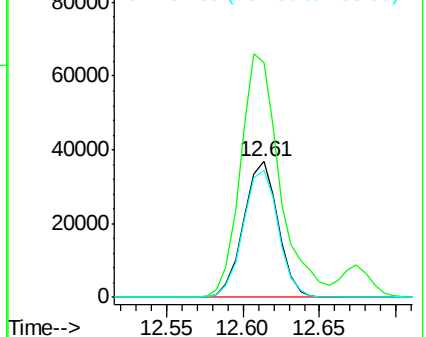
158 95.2 47.5 142.6



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: 19.95 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001483.D

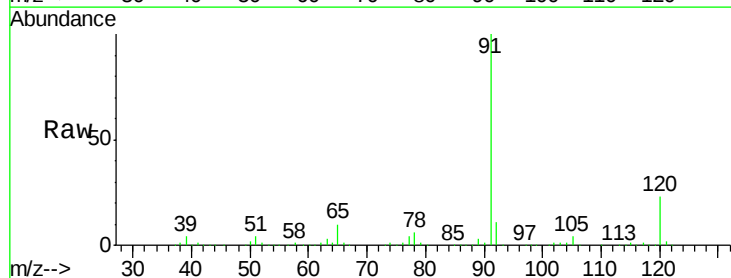
Acq: 04 Feb 2020 13:38

Tgt Ion: 91 Resp: 321855

Ion Ratio Lower Upper

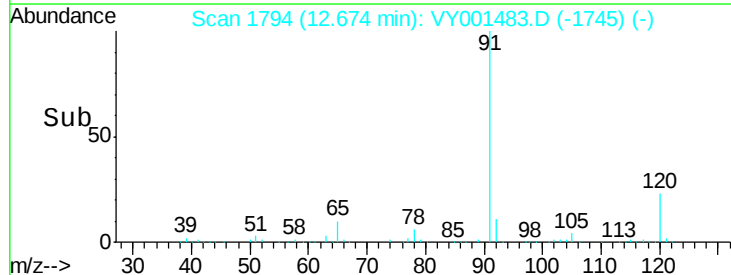
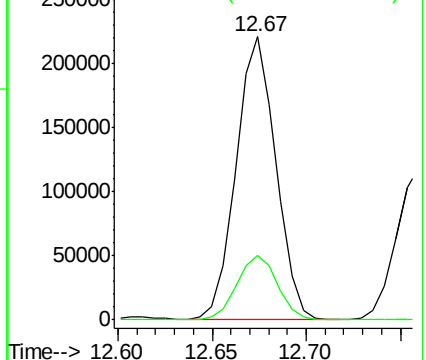
91 100

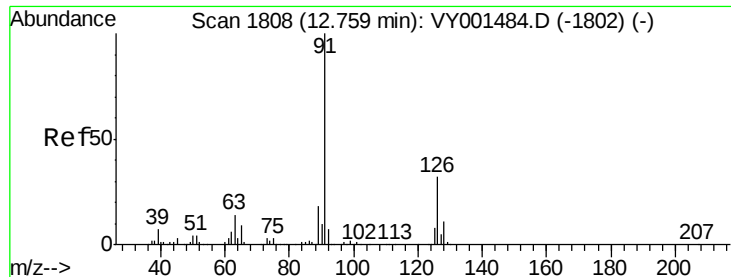
120 23.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.81 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

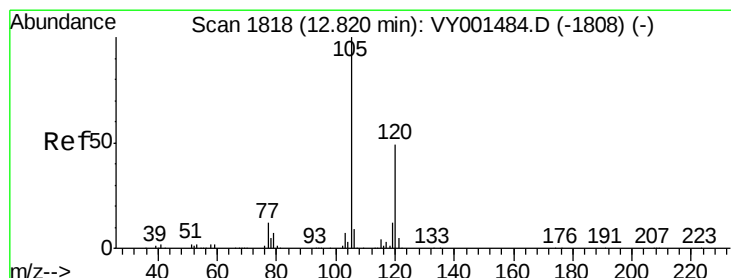
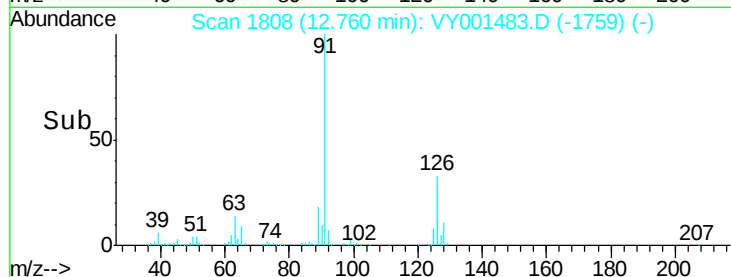
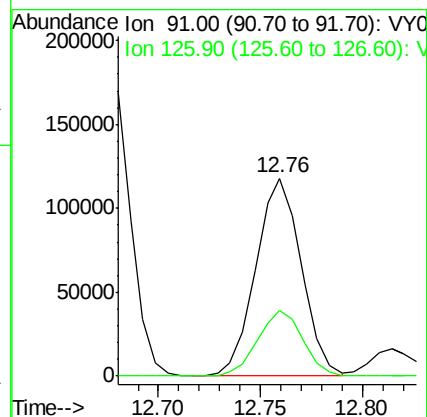
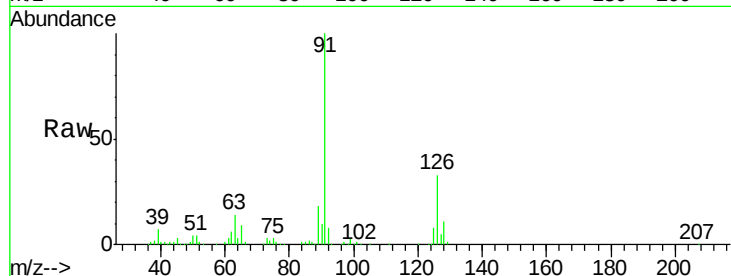
VSTDIC020

Tgt Ion: 91 Resp: 182841

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 20.48 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001483.D

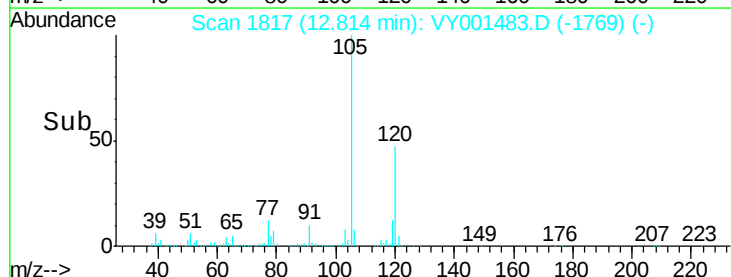
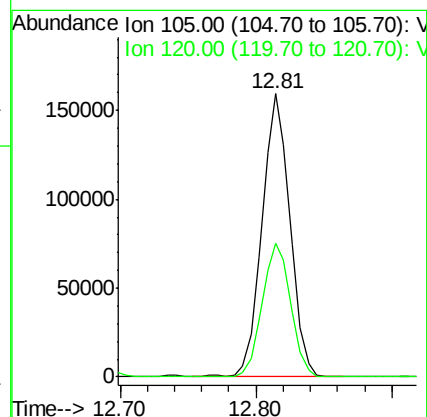
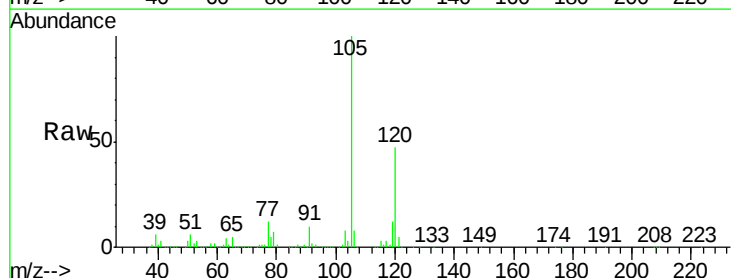
Acq: 04 Feb 2020 13:38

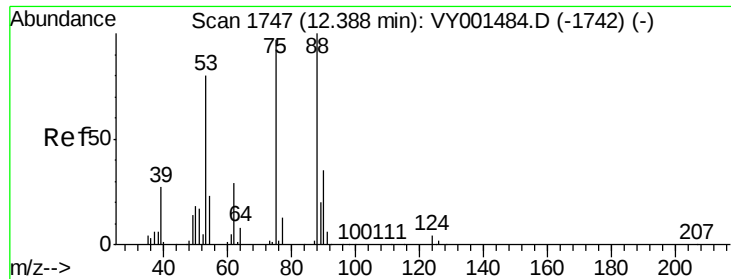
Tgt Ion: 105 Resp: 229960

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.94 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

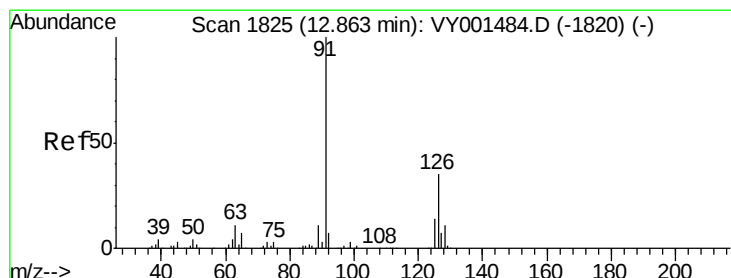
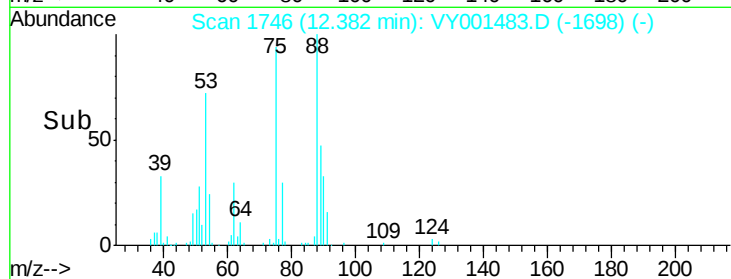
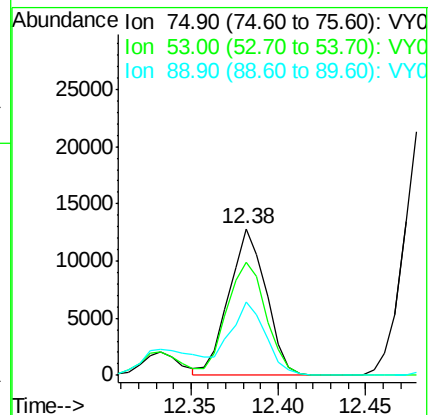
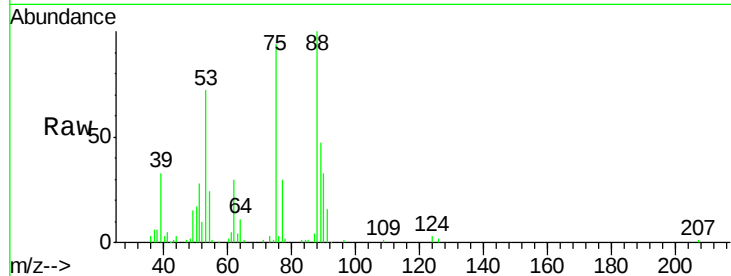
Tgt Ion: 75 Resp: 19054

Ion Ratio Lower Upper

75 100

53 80.9 67.7 101.5

89 46.4 34.6 52.0



#82

4-Chlorotoluene

Concen: 19.74 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001483.D

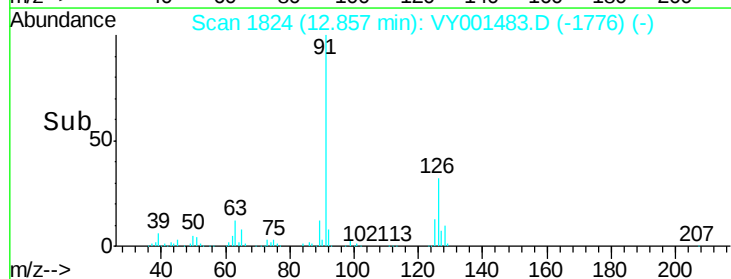
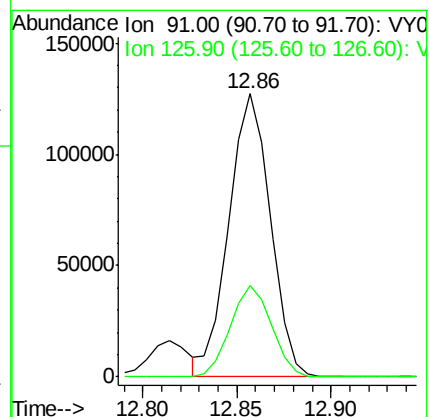
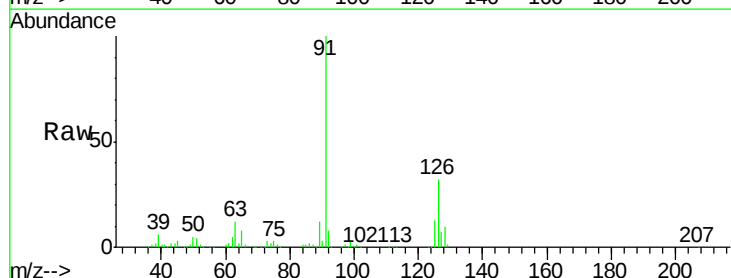
Acq: 04 Feb 2020 13:38

Tgt Ion: 91 Resp: 193913

Ion Ratio Lower Upper

91 100

126 32.1 16.5 49.5

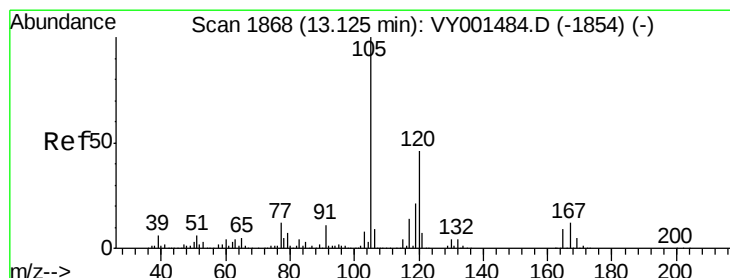
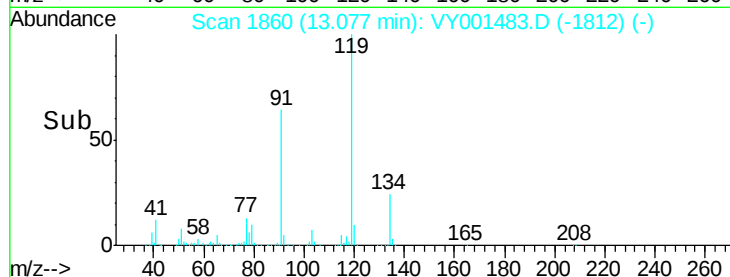
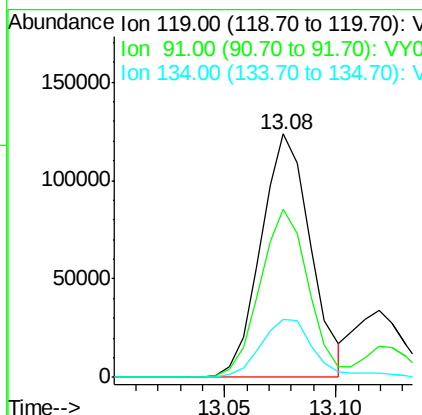
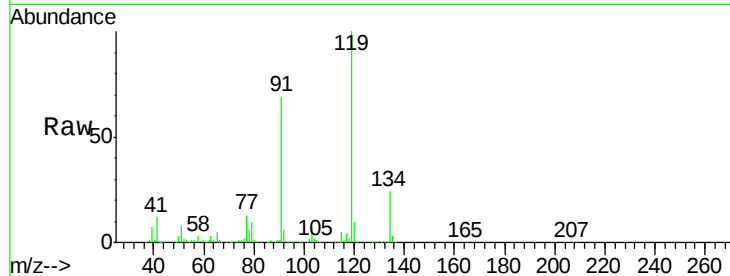




#83
 tert-Butylbenzene
 Concen: 20.22 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

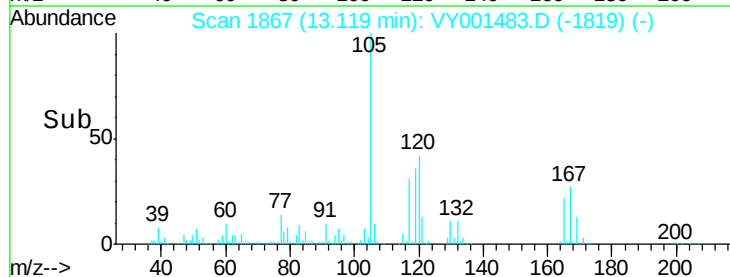
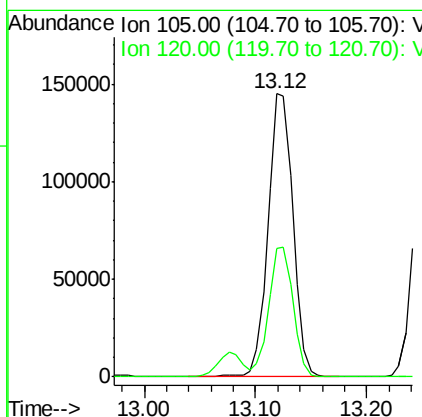
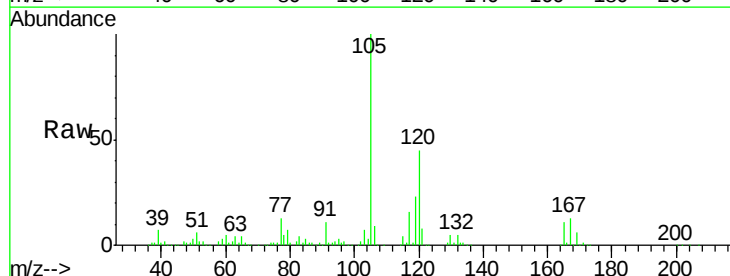
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

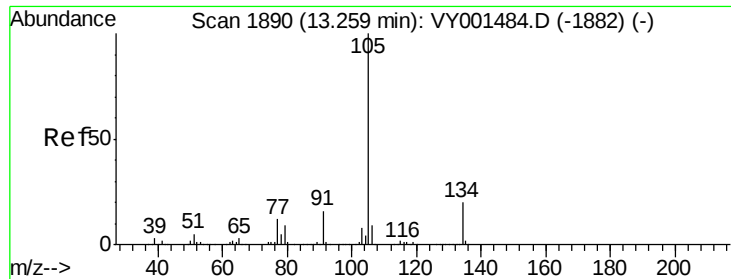
Tgt Ion:119 Resp: 191391
 Ion Ratio Lower Upper
 119 100
 91 68.0 33.1 99.3
 134 26.3 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.12 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion:105 Resp: 226597
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0

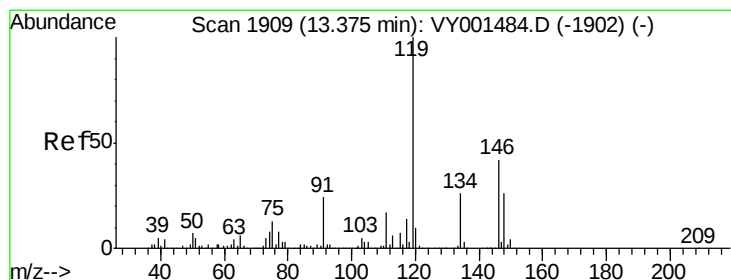
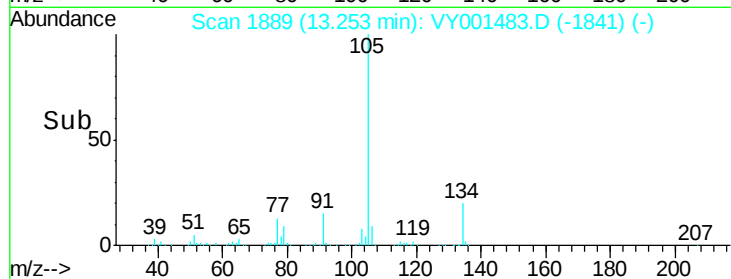
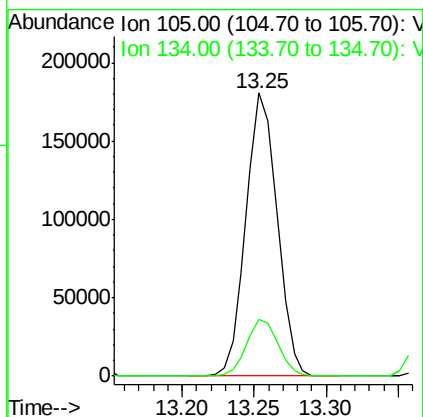
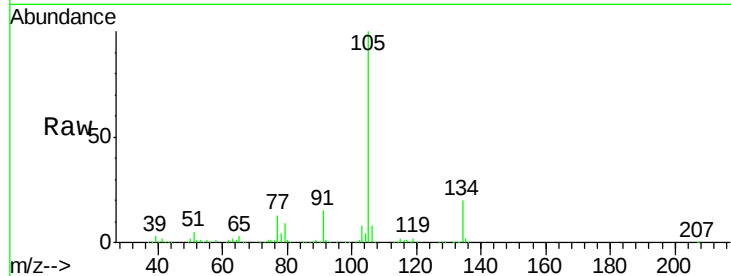




#85
 sec-Butylbenzene
 Concen: 20.23 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

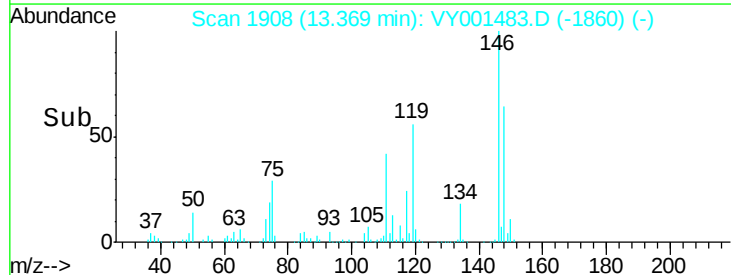
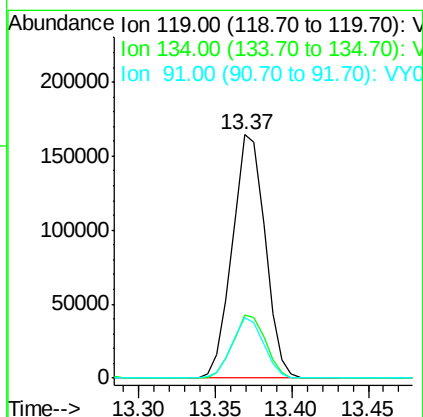
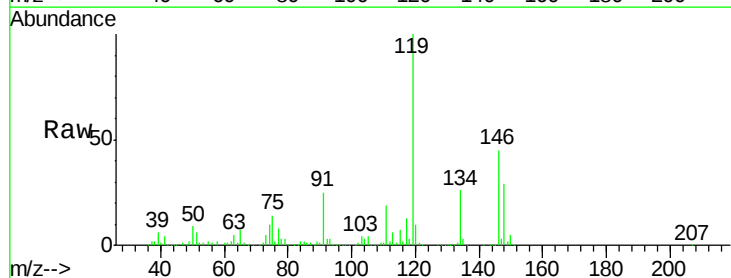
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

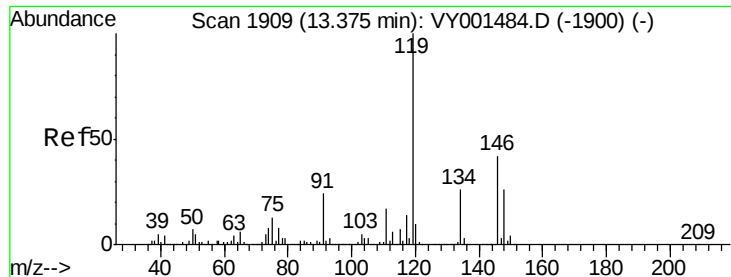
Tgt Ion:105 Resp: 271229
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 20.65 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion:119 Resp: 244526
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 24.2 12.2 36.6

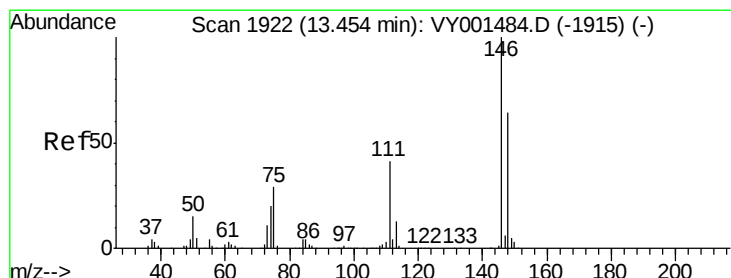
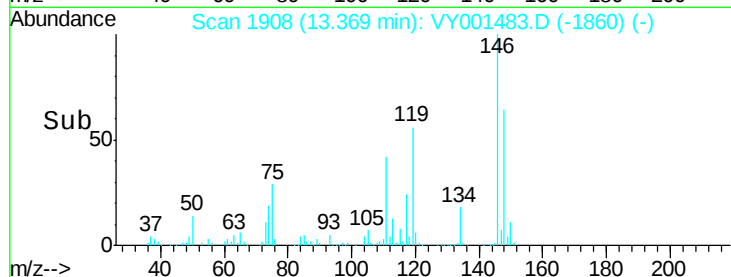
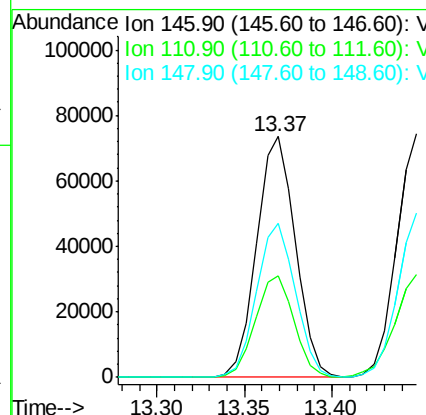
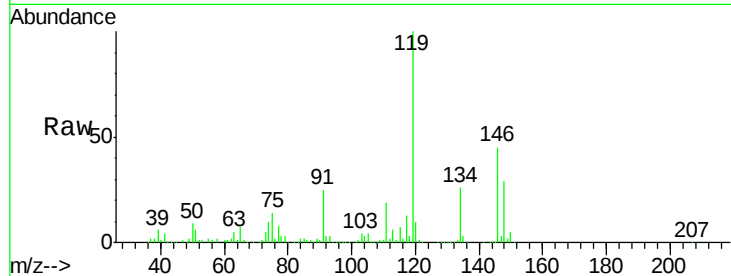




#87
 1,3-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

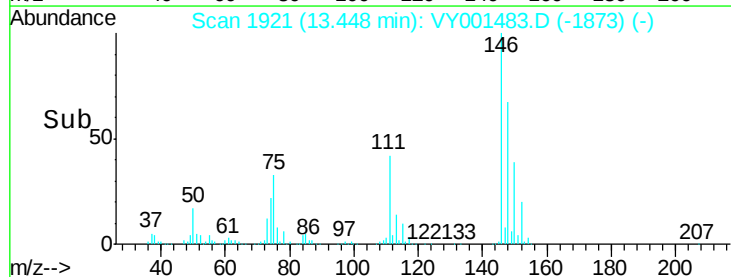
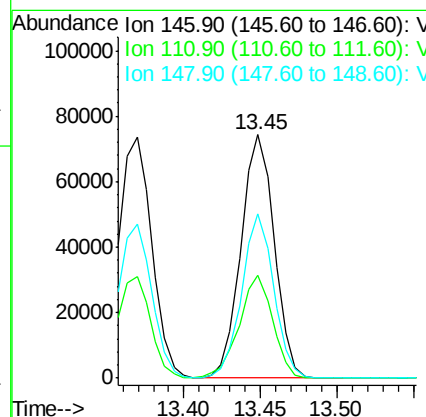
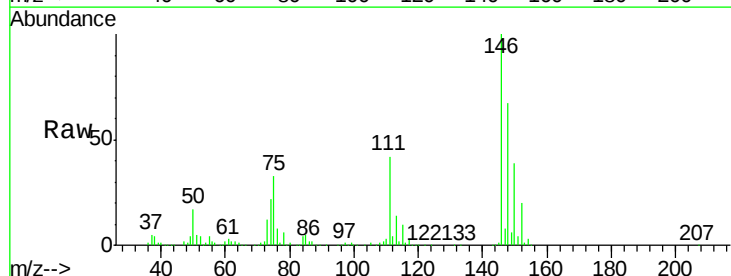
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 113129
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.3 63.9
 148 63.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.42 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion:146 Resp: 112223
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.7 62.1
 148 64.9 32.1 96.5





#89

n-Butylbenzene

Concen: 20.33 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

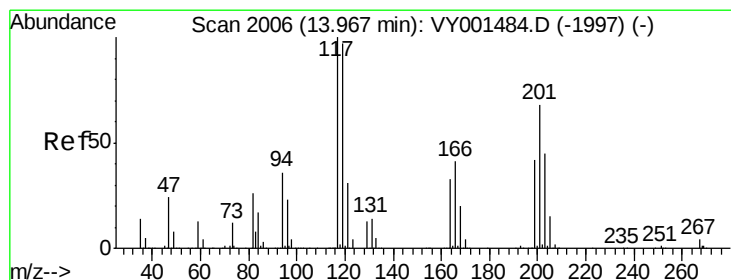
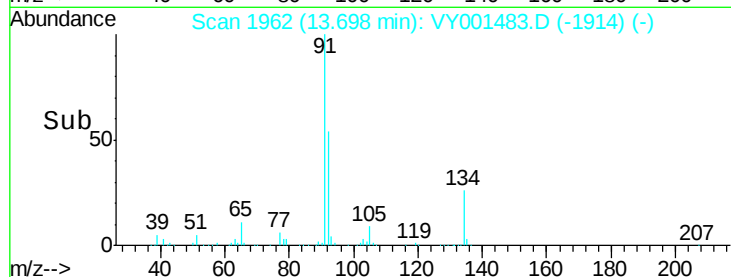
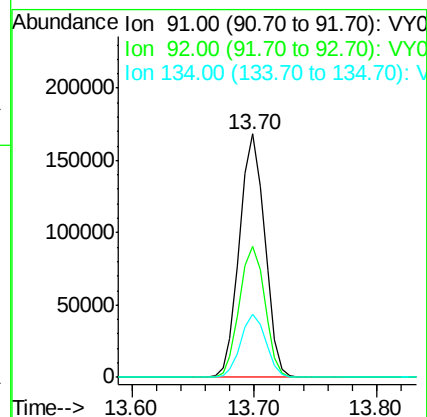
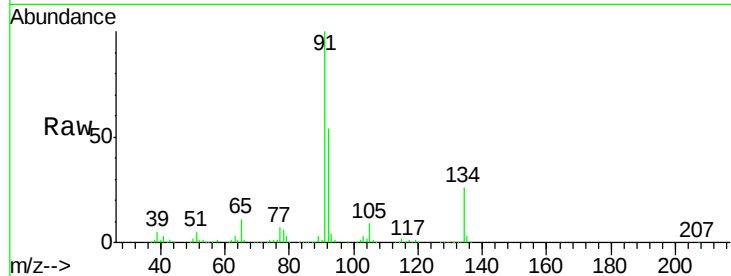
Tgt Ion: 91 Resp: 241432

Ion Ratio Lower Upper

91 100

92 54.4 27.3 81.9

134 25.8 13.0 38.9



#90

Hexachloroethane

Concen: 20.18 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VY001483.D

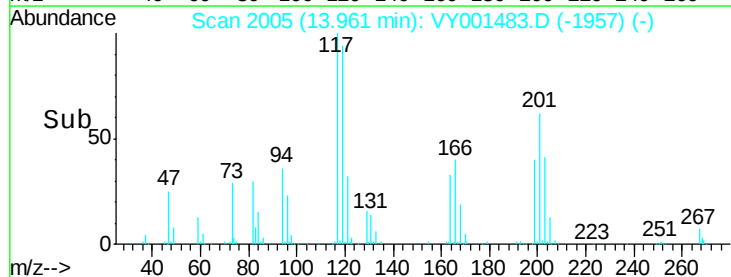
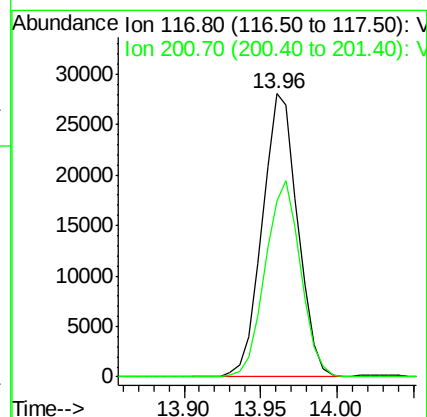
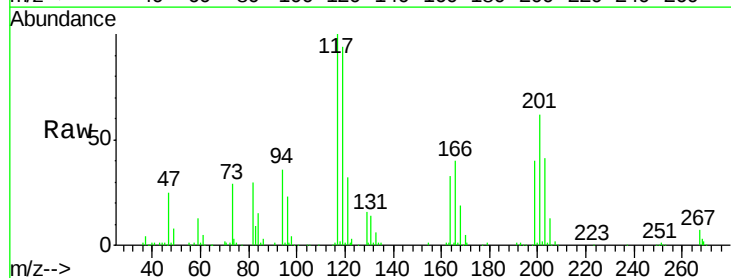
Acq: 04 Feb 2020 13:38

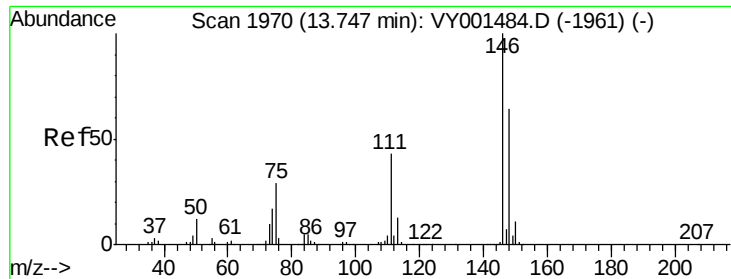
Tgt Ion: 117 Resp: 45288

Ion Ratio Lower Upper

117 100

201 69.0 34.1 102.3

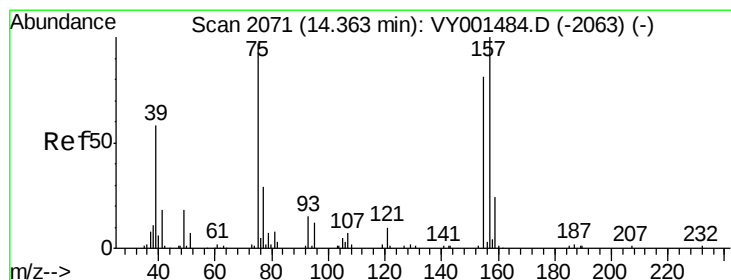
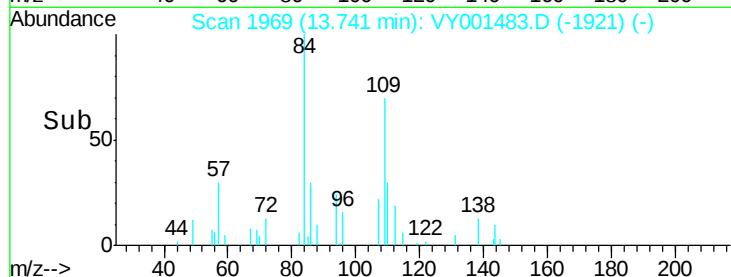
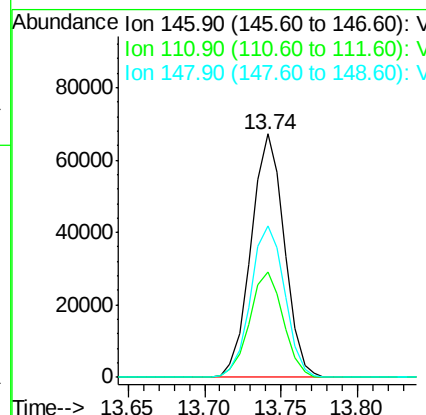
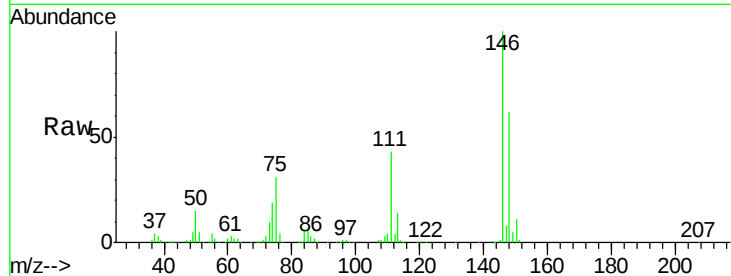




#91
 1,2-Dichlorobenzene
 Concen: 19.41 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

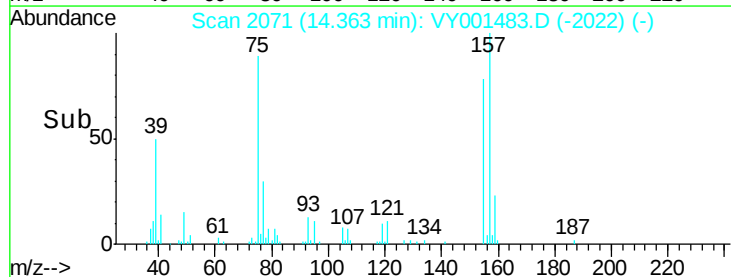
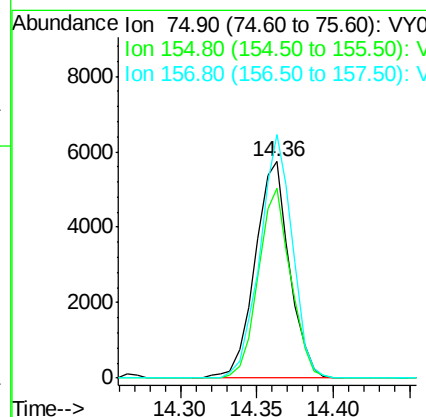
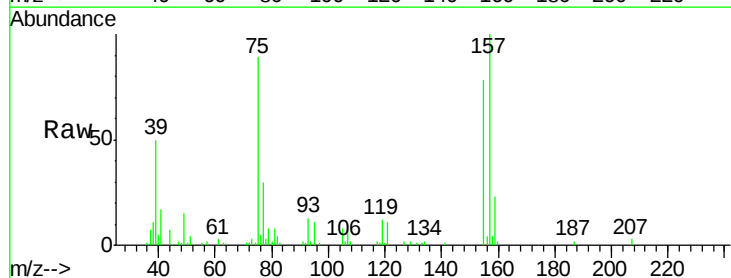
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

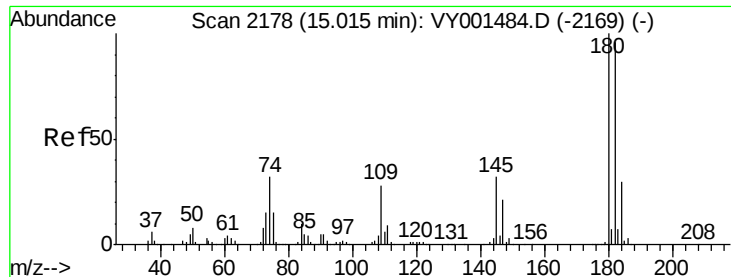
Tgt Ion: 146 Resp: 101652
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.9 65.8
 148 63.6 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.38 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion: 75 Resp: 8986
 Ion Ratio Lower Upper
 75 100
 155 82.2 40.7 122.1
 157 106.0 52.3 157.1

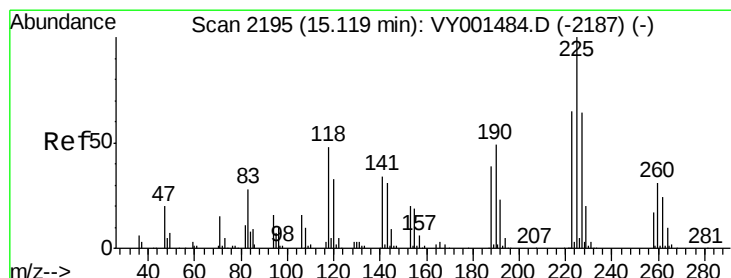
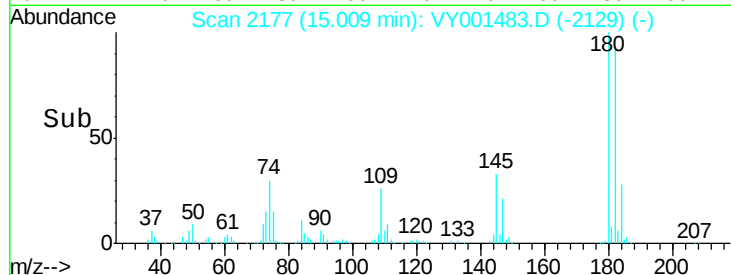
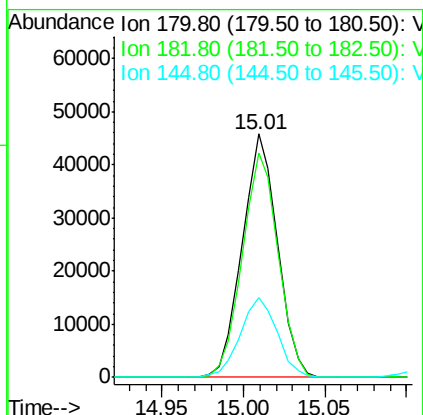
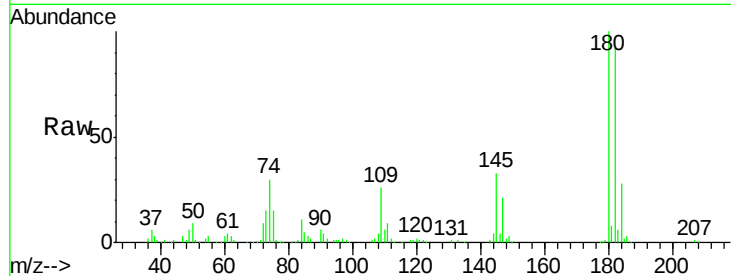




#93
 1,2,4-Trichlorobenzene
 Concen: 19.57 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

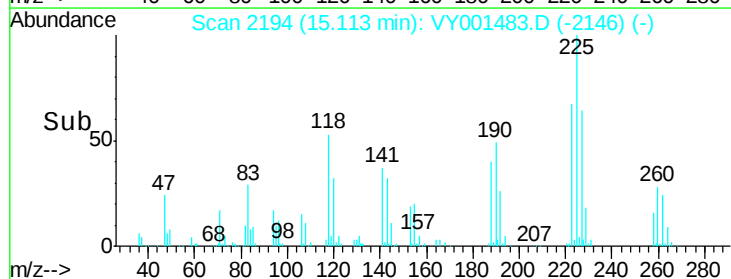
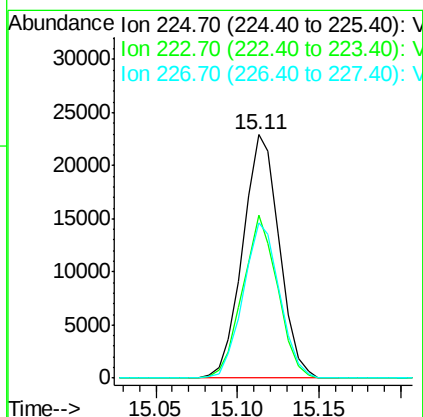
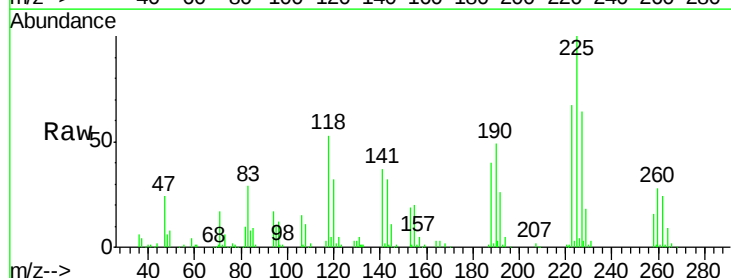
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

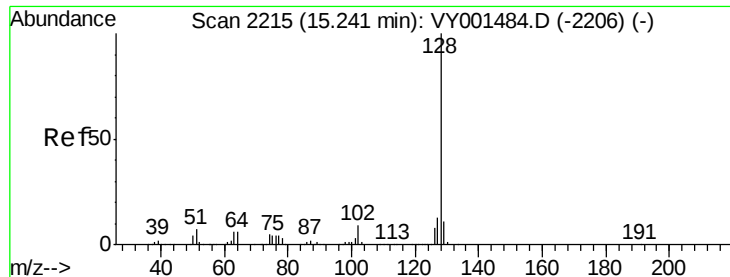
Tgt Ion:180 Resp: 69065
 Ion Ratio Lower Upper
 180 100
 182 93.8 46.9 140.7
 145 34.2 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 20.65 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001483.D
 Acq: 04 Feb 2020 13:38

Tgt Ion:225 Resp: 35695
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.9 95.7
 227 63.4 32.6 97.7





#95

Naphthalene

Concen: 19.51 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

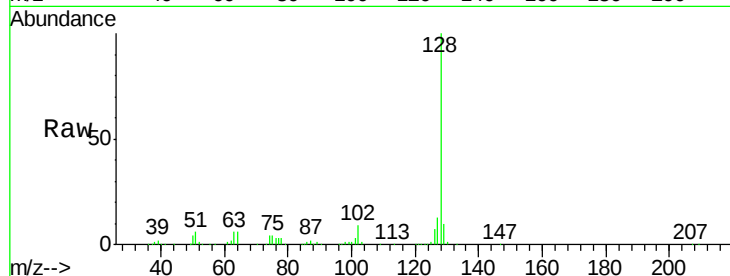
Tgt Ion:128 Resp: 156289

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

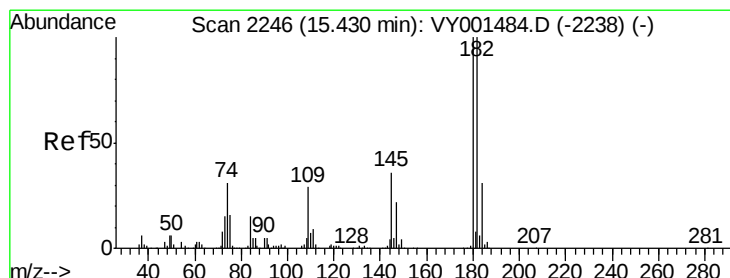
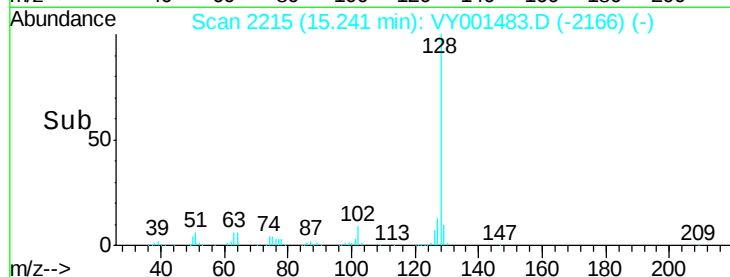
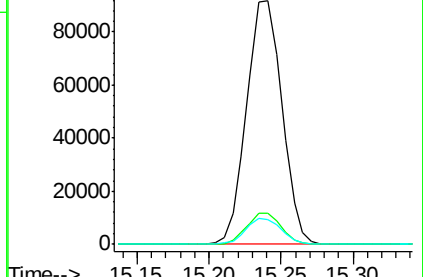
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.87 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.01 min

Lab File: VY001483.D

Acq: 04 Feb 2020 13:38

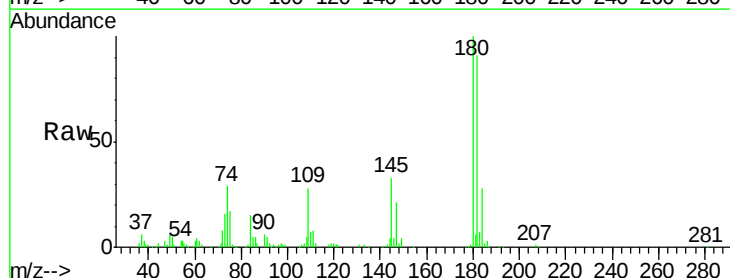
Tgt Ion:180 Resp: 61259

Ion Ratio Lower Upper

180 100

182 93.0 48.0 144.2

145 34.6 17.8 53.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

