

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020420\
 Data File : VY001489.D
 Acq On : 04 Feb 2020 16:15
 Operator : SY/MD
 Sample : VY0204SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Quant Time: Feb 04 16:36:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	243778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	421003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	175334	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	127767	52.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.73	113	120384	49.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.18	98	479082	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.49	95	177513	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	49562	20.77	ug/l	99
3) Chloromethane	2.12	50	51933	20.82	ug/l	97
4) Vinyl Chloride	2.26	62	53447	20.64	ug/l	99
5) Bromomethane	2.65	94	34003	20.88	ug/l	95
6) Chloroethane	2.80	64	31692	20.30	ug/l	93
7) Trichlorofluoromethane	3.13	101	87959	20.52	ug/l	97
8) Diethyl Ether	3.55	74	31024	21.45	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	52925	20.52	ug/l	98
10) Methyl Iodide	4.10	142	65457	19.92	ug/l	99
11) Tert butyl alcohol	4.97	59	39044	124.48	ug/l	98
12) 1,1-Dichloroethene	3.88	96	51977	20.28	ug/l	98
13) Acrolein	3.75	56	24881	107.06	ug/l	99
14) Allyl chloride	4.49	41	81172	20.70	ug/l	99
15) Acrylonitrile	5.18	53	73212	110.40	ug/l	100
16) Acetone	3.96	43	72869	102.63	ug/l	100
17) Carbon Disulfide	4.21	76	168389	20.64	ug/l	100
18) Methyl Acetate	4.49	43	34117	22.52	ug/l	100
19) Methyl tert-butyl Ether	5.24	73	145461	21.34	ug/l	100
20) Methylene Chloride	4.73	84	63602	20.05	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	58970	20.70	ug/l	96
22) Diisopropyl ether	6.14	45	164336	21.16	ug/l	99
23) Vinyl Acetate	6.08	43	534692	108.13	ug/l	99
24) 1,1-Dichloroethane	6.04	63	97093	20.78	ug/l	98
25) 2-Butanone	7.00	43	101115	109.78	ug/l	100
26) 1,2-Dichloropropane	7.00	77	90962	20.34	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	65244	20.97	ug/l	99
28) Bromochloromethane	7.35	49	30728	19.31	ug/l	99
29) Tetrahydrofuran	7.36	42	62774	113.70	ug/l	100
30) Chloroform	7.52	83	97274	20.55	ug/l	97
31) Cyclohexane	7.80	56	96470	20.18	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	89733	20.91	ug/l	99
36) 1,1-Dichloropropene	7.93	75	80498	20.90	ug/l	99
37) Ethyl Acetate	7.09	43	42250	22.66	ug/l	100
38) Carbon Tetrachloride	7.91	117	78170	20.98	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	105480	20.80	ug/l	98
40) Benzene	8.17	78	229428	20.88	ug/l	98
41) Methacrylonitrile	7.36	41	57438	66.47	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	65542	21.42	ug/l	99
43) Isopropyl Acetate	8.28	43	83042	22.50	ug/l	98
44) Trichloroethene	8.94	130	61759	20.86	ug/l	97
45) 1,2-Dichloropropane	9.22	63	55394	20.88	ug/l	99
46) Dibromomethane	9.32	93	32332	21.71	ug/l	99
47) Bromodichloromethane	9.50	83	76712	21.14	ug/l	99
48) Methyl methacrylate	9.30	41	36640	21.87	ug/l	98
49) 1,4-Dioxane	9.30	88	8368	425.38	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	208869	114.89	ug/l	99
52) Toluene	10.25	92	145648	20.90	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	84223	21.31	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	95946	21.14	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	46752	21.88	ug/l	97
56) Ethyl methacrylate	10.51	69	66764	21.96	ug/l	99
57) 1,3-Dichloropropane	10.80	76	79744	21.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	114611	102.49	ug/l	98
59) 2-Hexanone	10.83	43	151994	114.99	ug/l	99
60) Dibromochloromethane	10.99	129	53029	21.05	ug/l	98
61) 1,2-Dibromoethane	11.10	107	45926	21.82	ug/l	98
64) Tetrachloroethene	10.72	164	50587	20.57	ug/l	98
65) Chlorobenzene	11.52	112	155827	21.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	54345	21.09	ug/l	99
67) Ethyl Benzene	11.60	91	285042	20.94	ug/l	99
68) m/p-Xylenes	11.70	106	217593	42.57	ug/l	100
69) o-Xylene	12.03	106	102127	21.19	ug/l	99
70) Styrene	12.05	104	175987	21.12	ug/l	99
71) Bromoform	12.21	173	31273	21.79	ug/l #	97
73) Isopropylbenzene	12.33	105	273893	20.48	ug/l	100
74) N-amyl acetate	12.14	43	76811	22.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	55786	21.96	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	75401	39.99	ug/l #	100
77) Bromobenzene	12.61	156	61407	21.22	ug/l	99
78) n-propylbenzene	12.67	91	328159	20.50	ug/l	99
79) 2-Chlorotoluene	12.76	91	187487	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	234739	20.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21130	21.68	ug/l	99
82) 4-Chlorotoluene	12.86	91	200058	20.91	ug/l	98
83) tert-Butylbenzene	13.08	119	196010	20.59	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	233725	20.97	ug/l	100
85) sec-Butylbenzene	13.25	105	275604	20.59	ug/l	99
86) p-Isopropyltoluene	13.38	119	247451	20.98	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	116253	20.96	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	117082	21.07	ug/l	99
89) n-Butylbenzene	13.70	91	243118	20.89	ug/l	99
90) Hexachloroethane	13.97	117	46806	20.68	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	106367	21.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10165	21.67	ug/l	97

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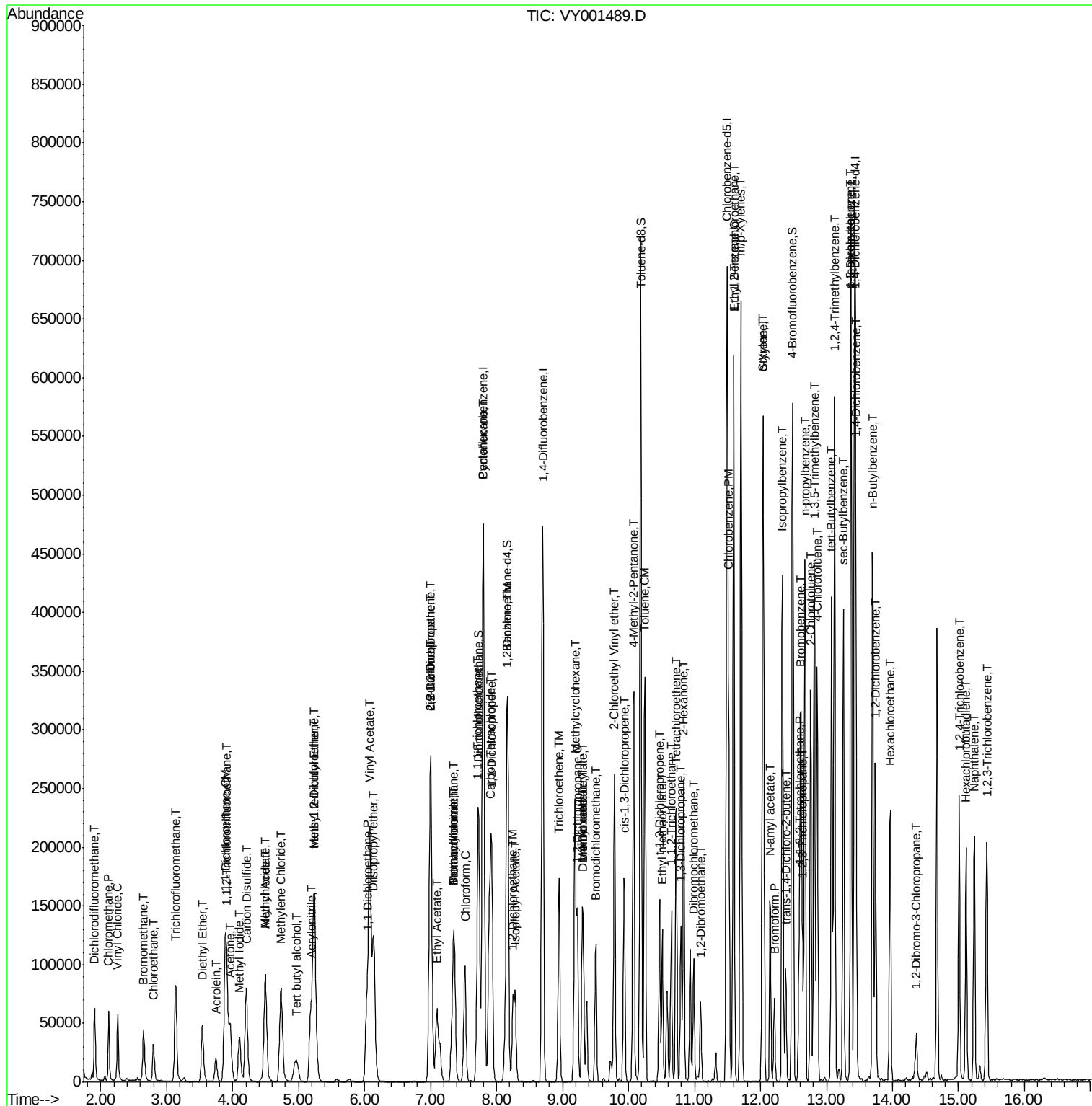
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	71968	21.25	ug/l	99
94) Hexachlorobutadiene	15.11	225	34981	20.35	ug/l	99
95) Naphthalene	15.24	128	171290	21.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	63832	21.35	ug/l	100

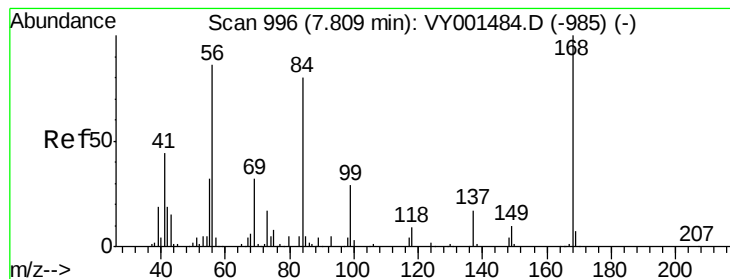
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

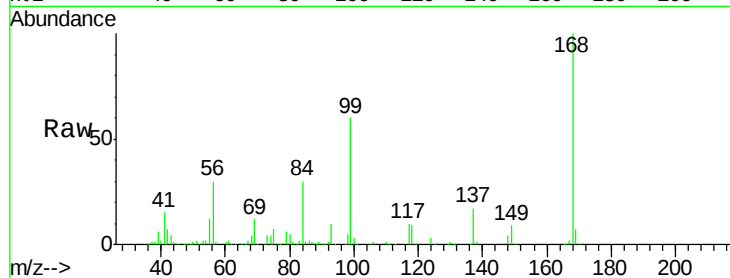
VY0204SBS01

Tgt Ion:168 Resp: 243778

Ion Ratio Lower Upper

168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

120000

100000

80000

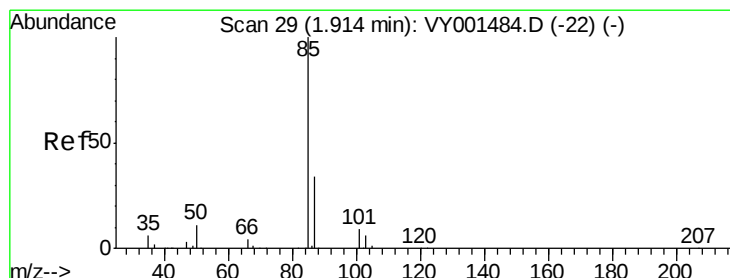
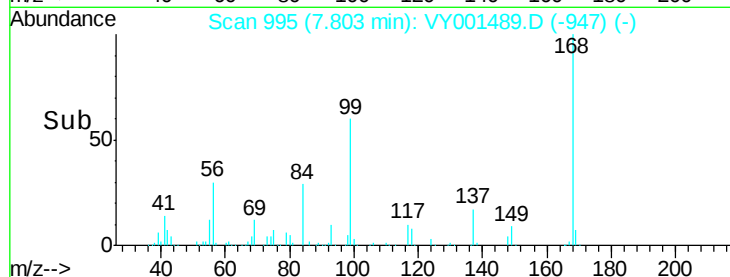
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.77 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001489.D

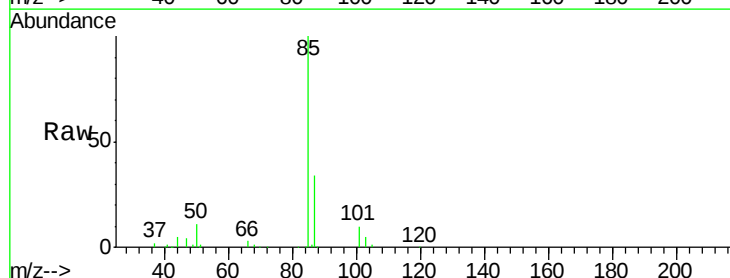
Acq: 04 Feb 2020 16:15

Tgt Ion: 85 Resp: 49562

Ion Ratio Lower Upper

85 100

87 34.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

40000

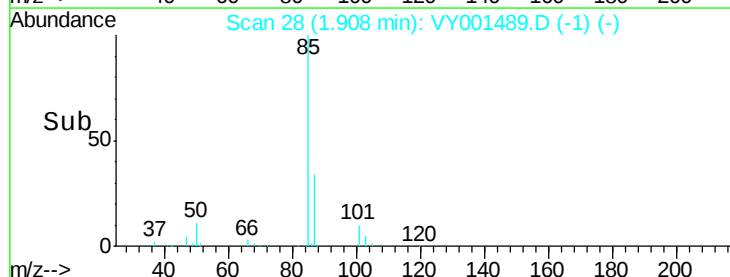
30000

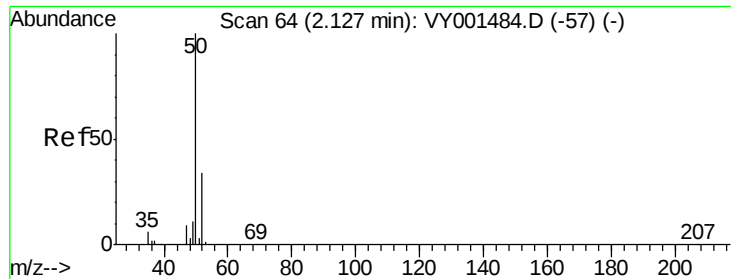
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.82 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

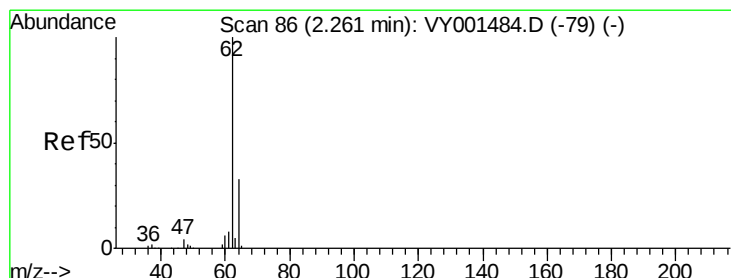
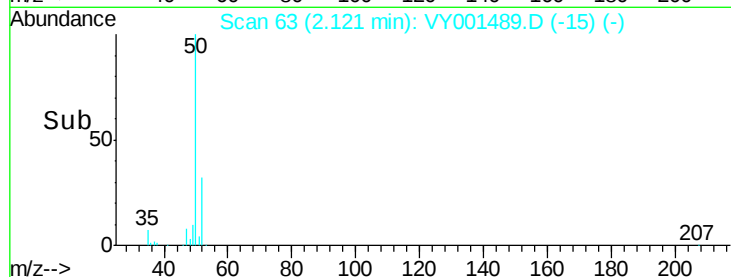
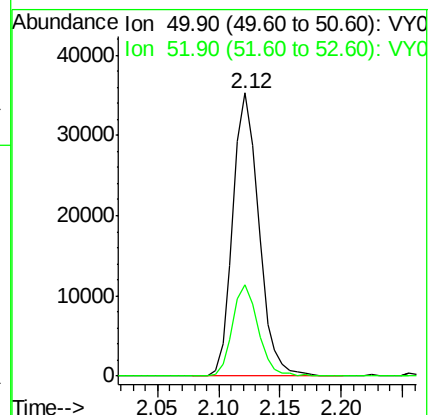
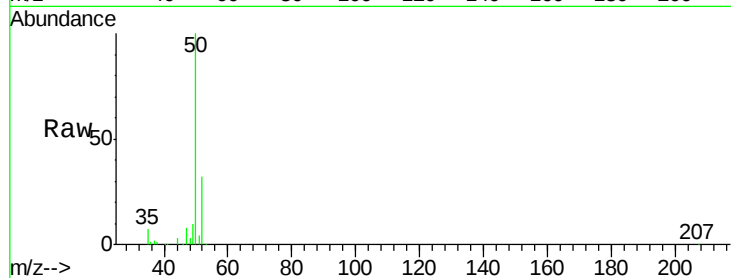
VY0204SBS01

Tgt Ion: 50 Resp: 51933

Ion Ratio Lower Upper

50 100

52 32.2 27.3 40.9



#4

Vinyl Chloride

Concen: 20.64 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001489.D

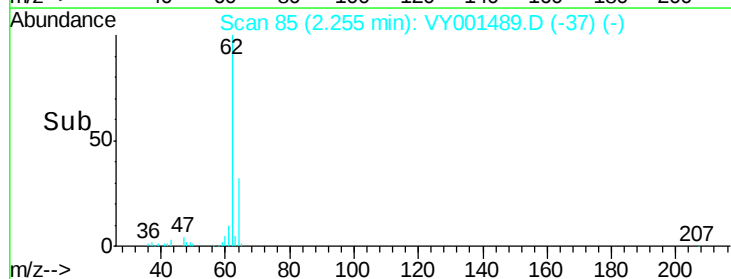
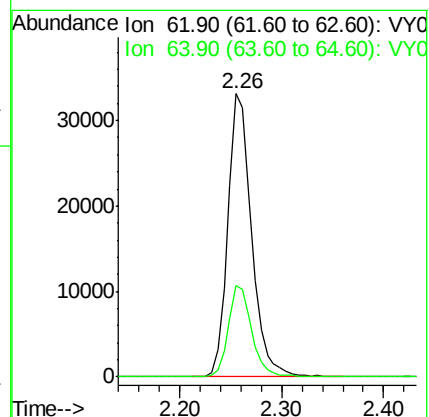
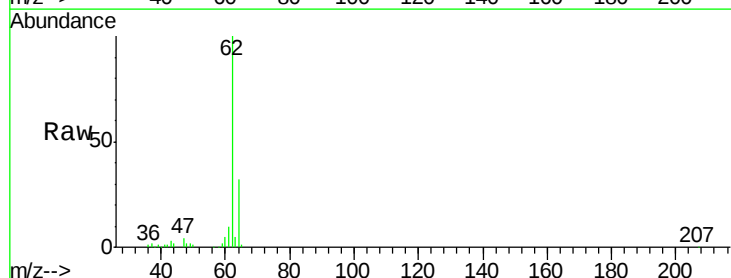
Acq: 04 Feb 2020 16:15

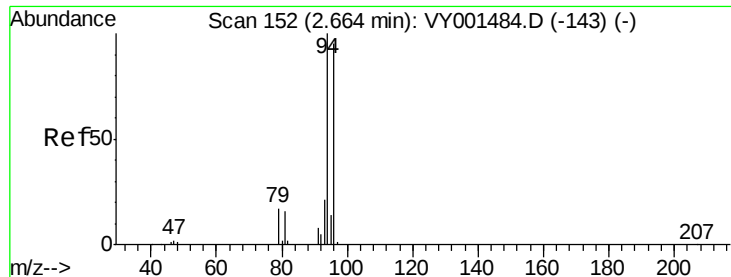
Tgt Ion: 62 Resp: 53447

Ion Ratio Lower Upper

62 100

64 32.3 26.4 39.6





#5

Bromomethane

Concen: 20.88 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

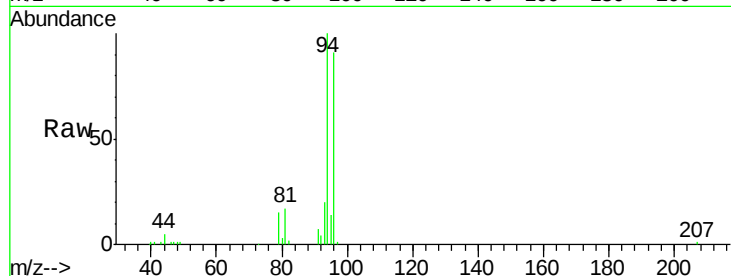
VY0204SBS01

Tgt Ion: 94 Resp: 34003

Ion Ratio Lower Upper

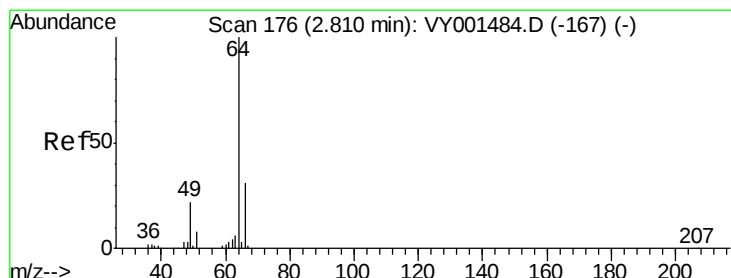
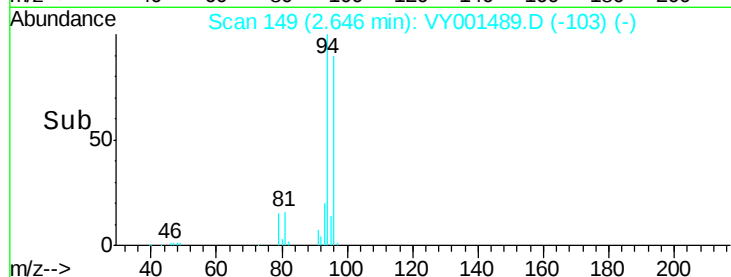
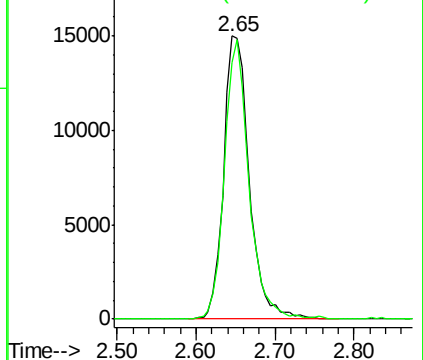
94 100

96 90.8 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: 20.30 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001489.D

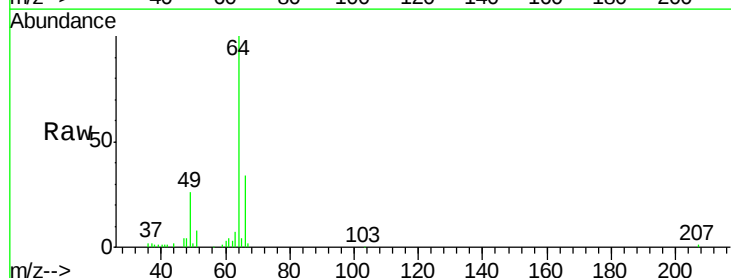
Acq: 04 Feb 2020 16:15

Tgt Ion: 64 Resp: 31692

Ion Ratio Lower Upper

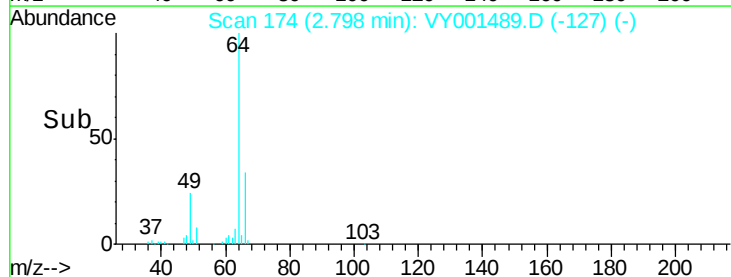
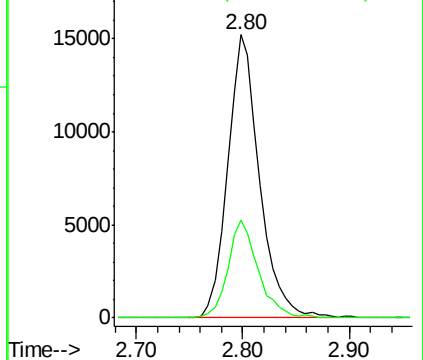
64 100

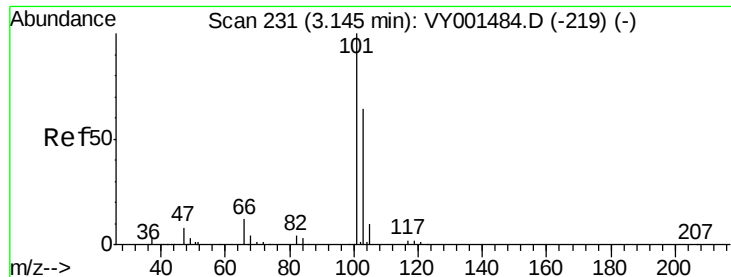
66 34.3 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

Trichlorofluoromethane

Concen: 20.52 ug/l

RT: 3.13 min Scan# 229

Delta R.T. -0.01 min

Lab File: VY001489.D

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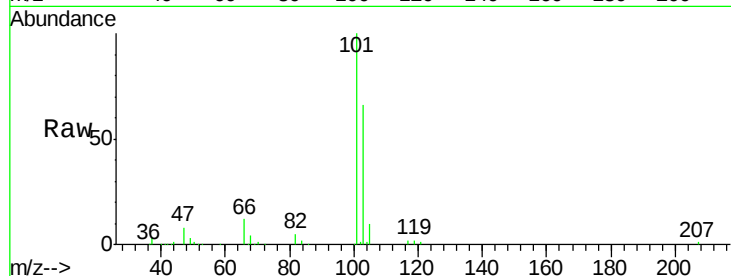
VY0204SBS01

Tgt Ion:101 Resp: 87959

Ion Ratio Lower Upper

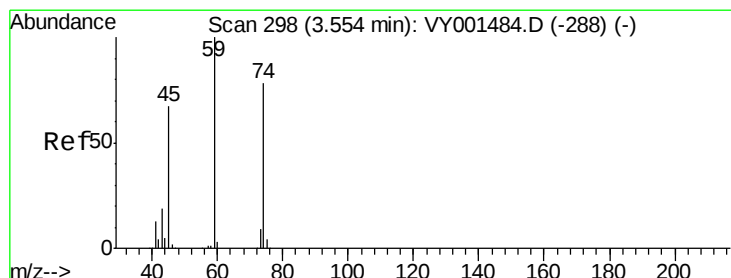
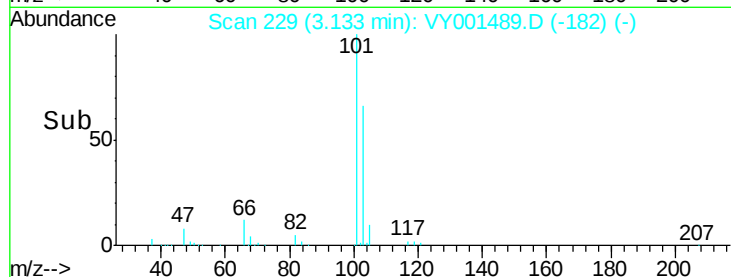
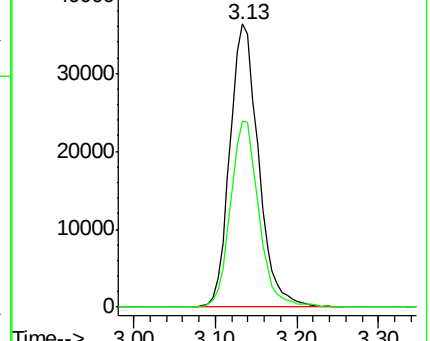
101 100

103 65.6 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: 21.45 ug/l

RT: 3.55 min Scan# 297

Delta R.T. -0.01 min

Lab File: VY001489.D

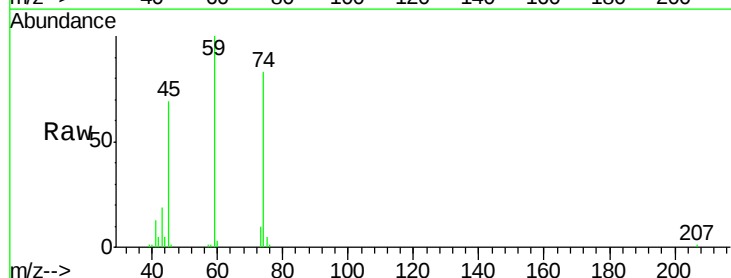
Acq: 04 Feb 2020 16:15

Tgt Ion: 74 Resp: 31024

Ion Ratio Lower Upper

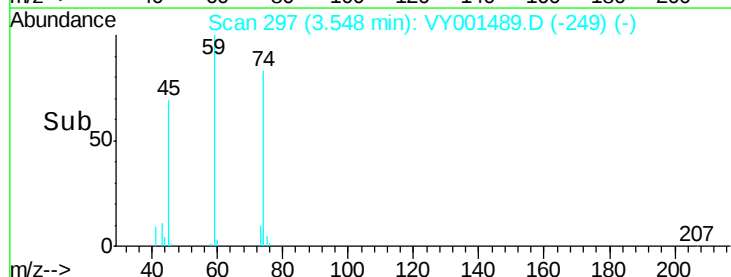
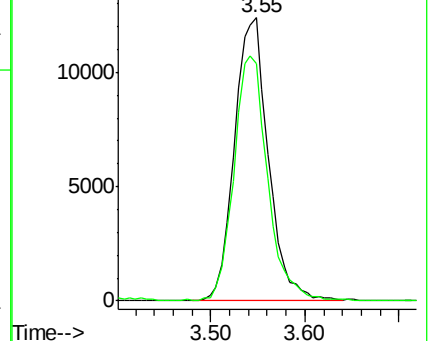
74 100

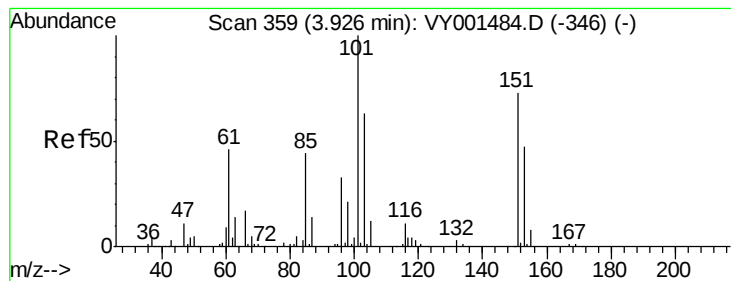
45 86.2 44.5 133.5



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: 20.52 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001489.D

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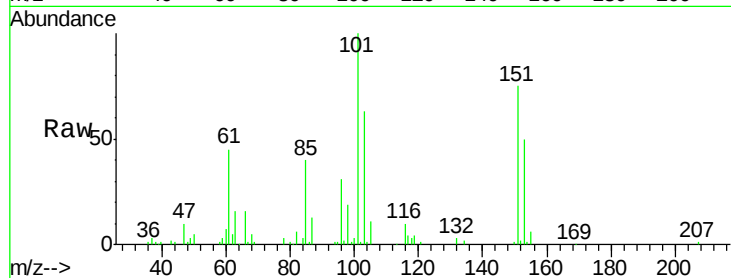
Tgt Ion:101 Resp: 52925

Ion Ratio Lower Upper

101 100

85 41.4 34.6 51.8

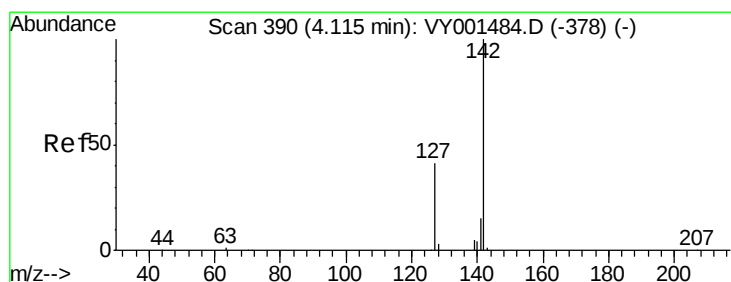
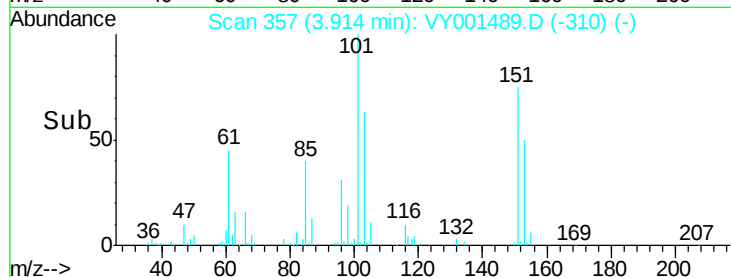
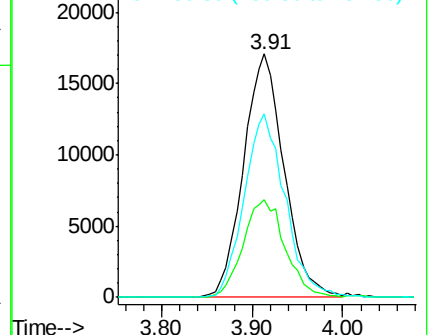
151 76.0 60.3 90.5



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: 19.92 ug/l

RT: 4.10 min Scan# 388

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

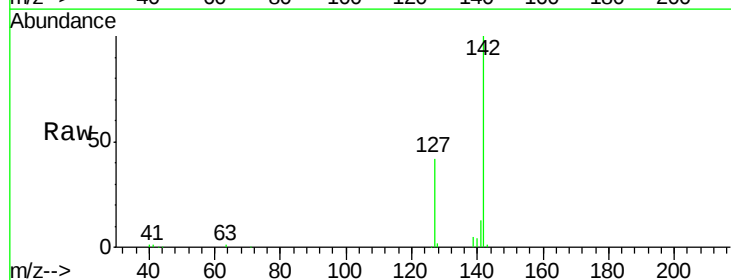
Tgt Ion:142 Resp: 65457

Ion Ratio Lower Upper

142 100

127 41.6 33.3 49.9

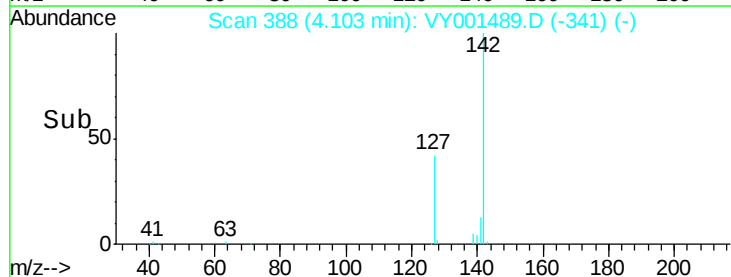
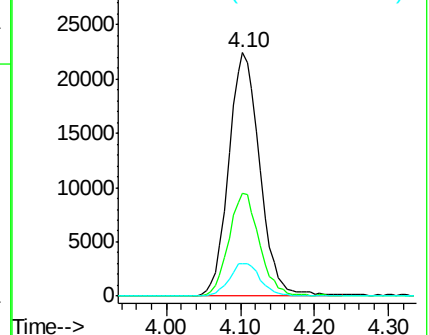
141 13.4 11.5 17.3

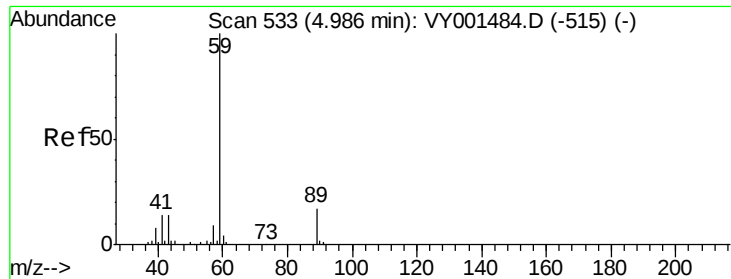


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

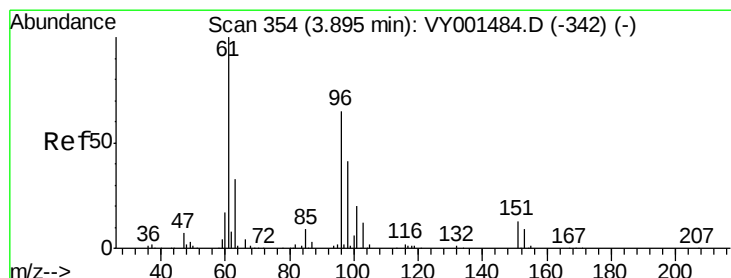
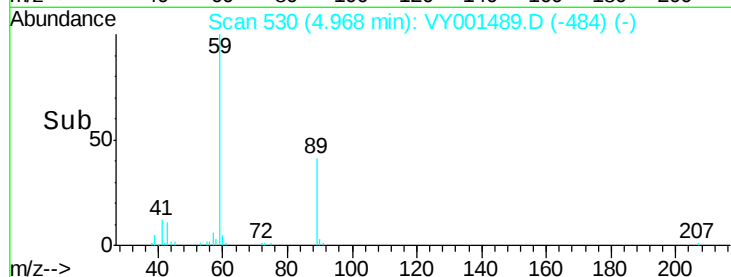
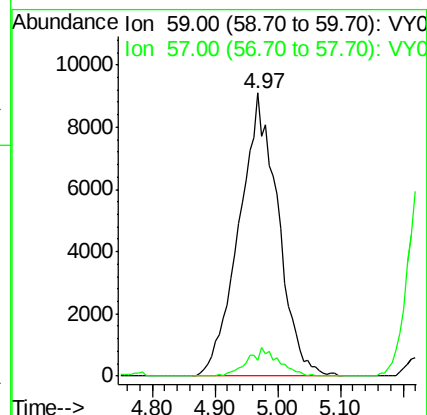
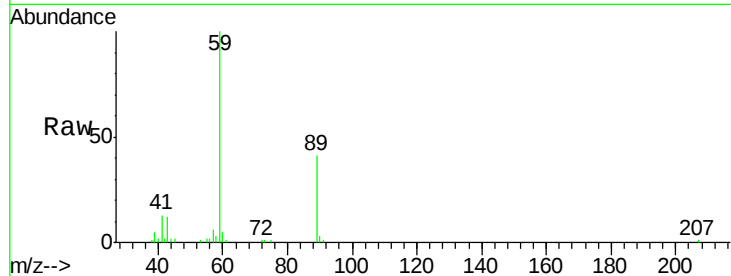




#11
Tert butyl alcohol
Concen: 124.48 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

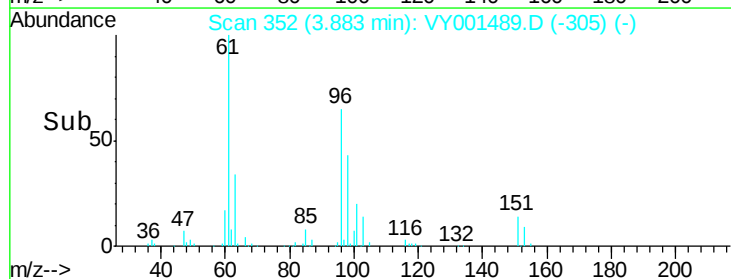
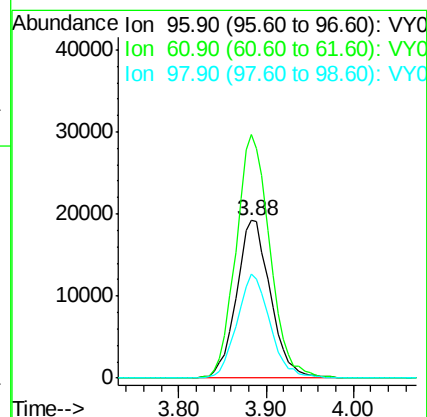
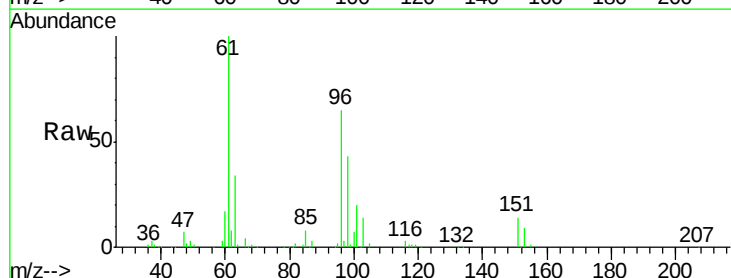
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

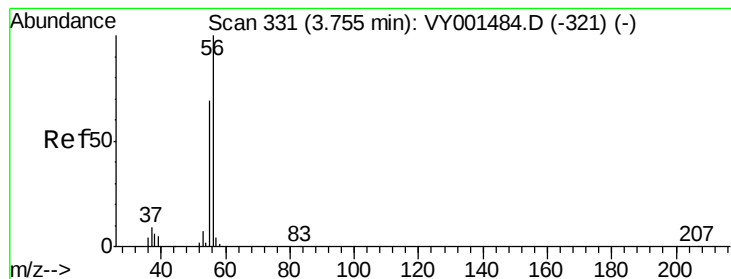
Tgt Ion: 59 Resp: 39044
Ion Ratio Lower Upper
59 100
57 7.9 7.0 10.6



#12
1,1-Dichloroethene
Concen: 20.28 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 96 Resp: 51977
Ion Ratio Lower Upper
96 100
61 154.4 122.3 183.5
98 66.0 49.7 74.5





#13

Acrolein

Concen: 107.06 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

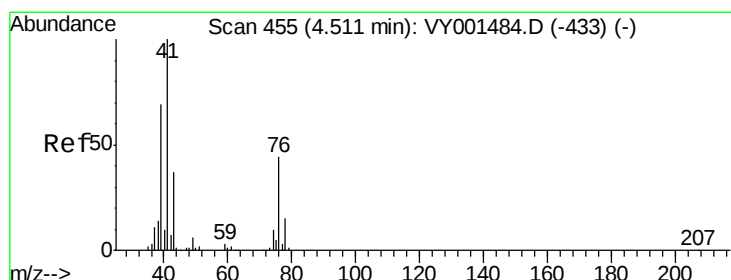
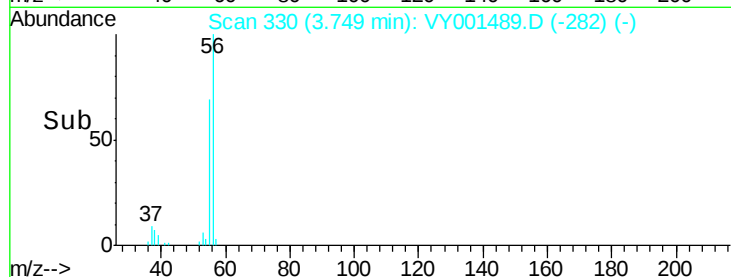
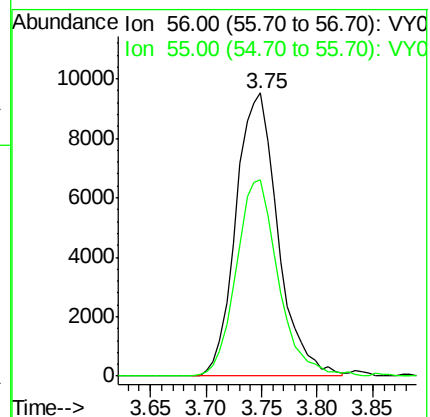
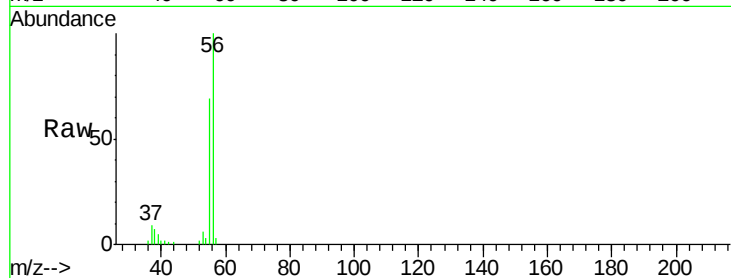
VY0204SBS01

Tgt Ion: 56 Resp: 24881

Ion Ratio Lower Upper

56 100

55 69.6 56.2 84.4



#14

Allyl chloride

Concen: 20.70 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

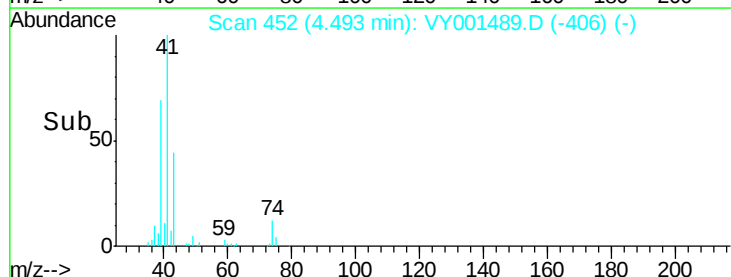
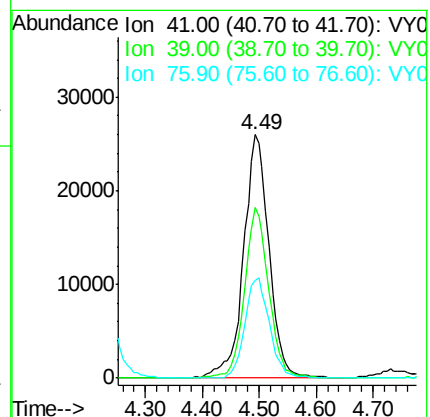
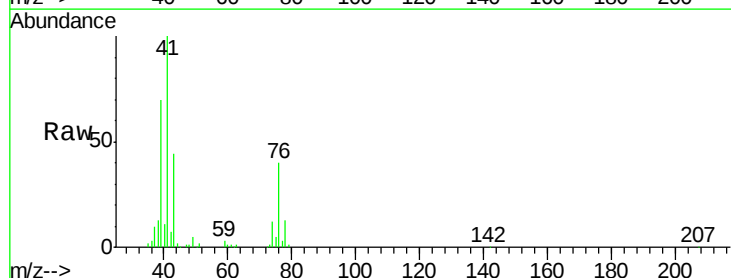
Tgt Ion: 41 Resp: 81172

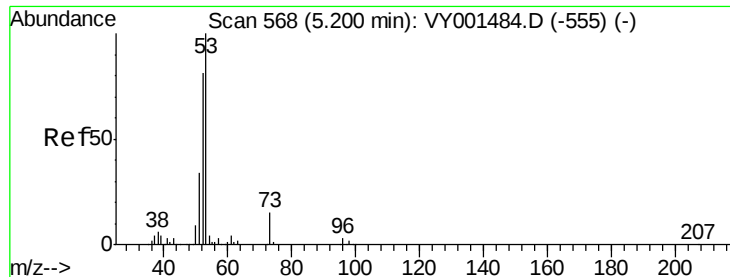
Ion Ratio Lower Upper

41 100

39 66.4 53.0 79.6

76 39.8 32.6 48.8





#15

Acrylonitrile

Concen: 110.40 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

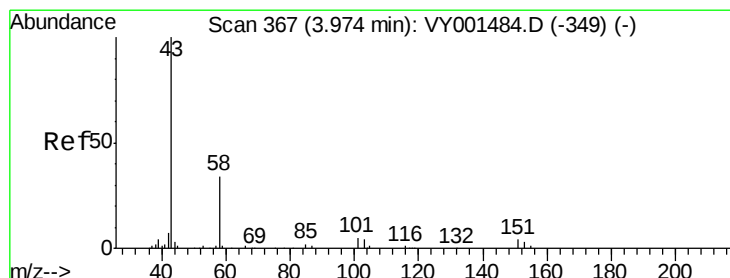
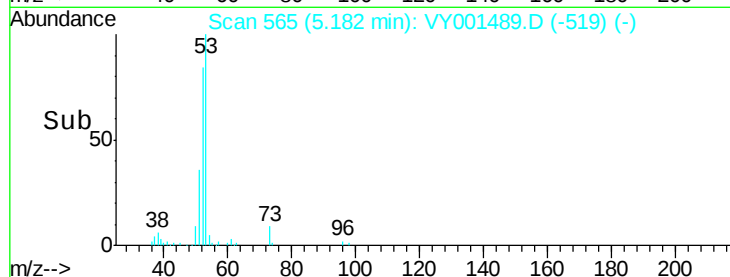
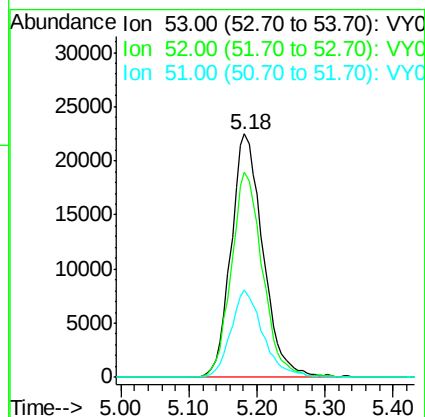
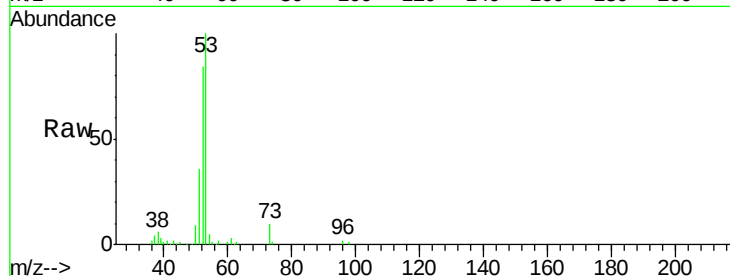
Tgt Ion: 53 Resp: 73212

Ion Ratio Lower Upper

53 100

52 82.1 65.4 98.2

51 35.9 29.0 43.4



#16

Acetone

Concen: 102.63 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001489.D

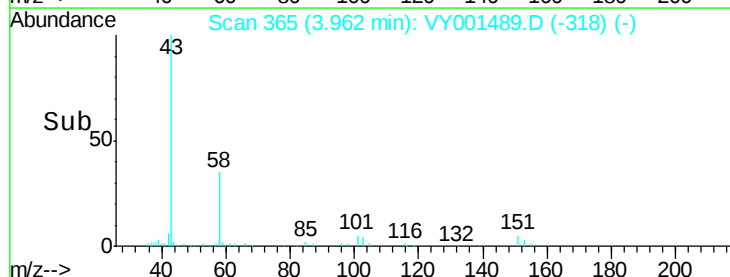
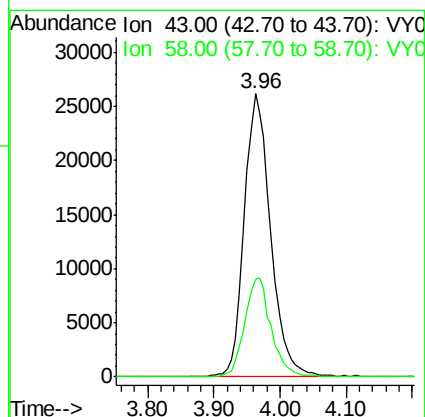
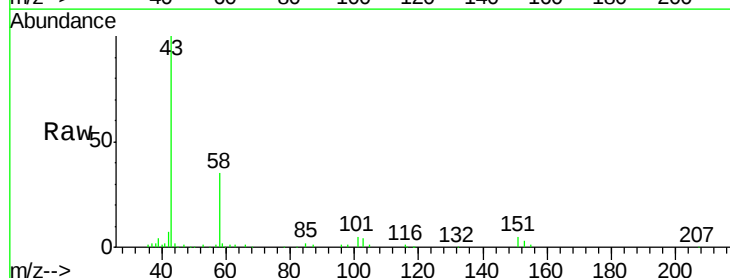
Acq: 04 Feb 2020 16:15

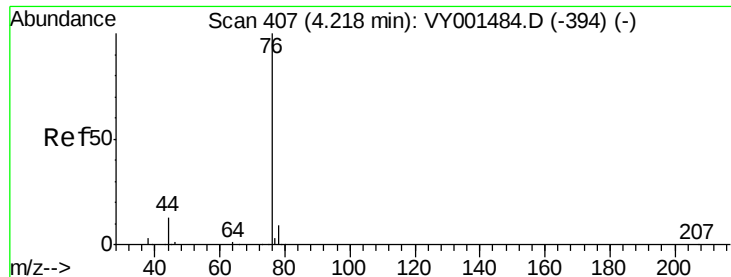
Tgt Ion: 43 Resp: 72869

Ion Ratio Lower Upper

43 100

58 34.6 27.5 41.3

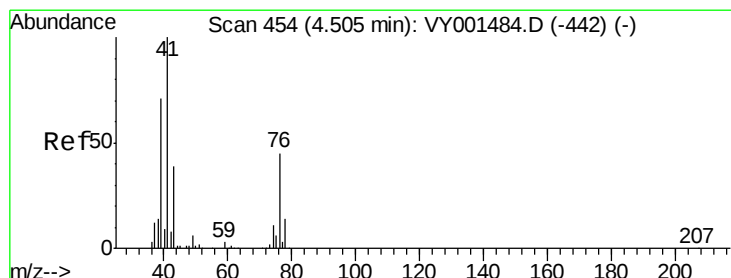
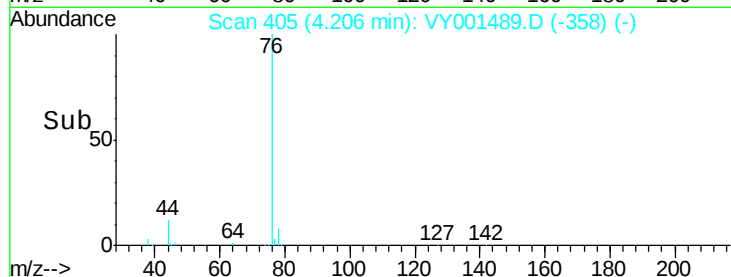
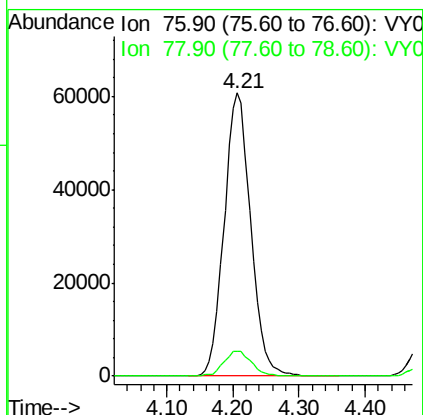
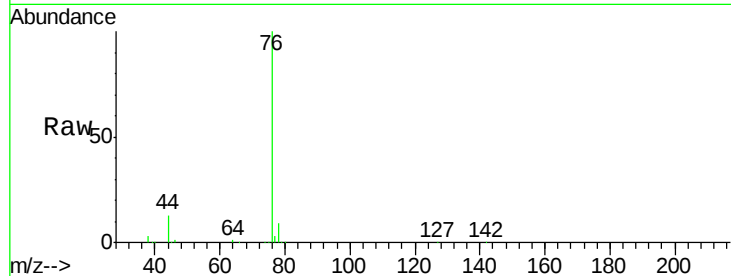




#17
Carbon Disulfide
Concen: 20.64 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

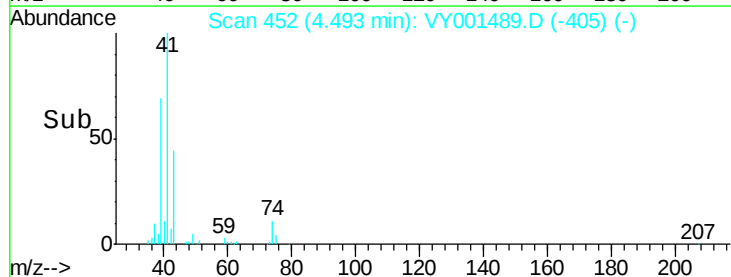
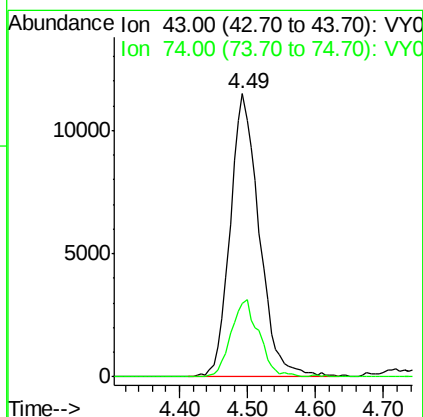
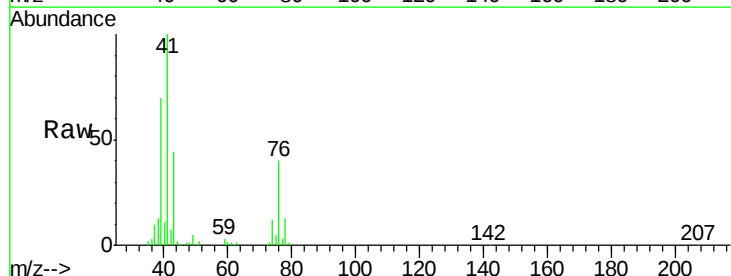
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tgt Ion: 76 Resp: 168389
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 22.52 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 43 Resp: 34117
Ion Ratio Lower Upper
43 100
74 26.3 21.0 31.6

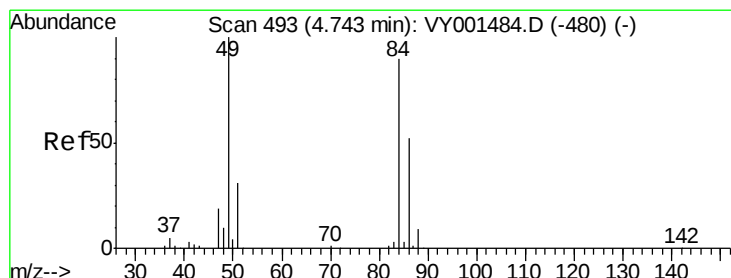
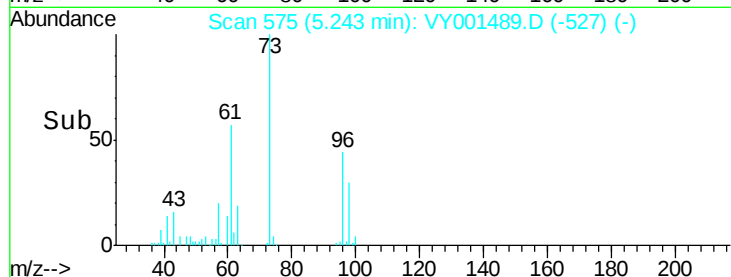
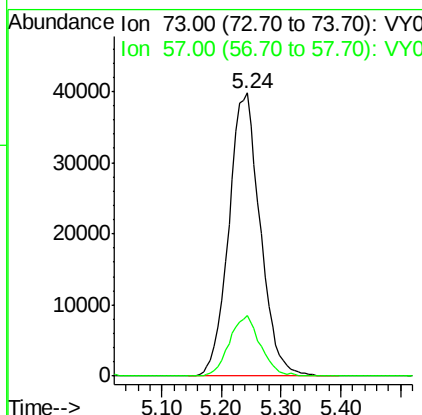
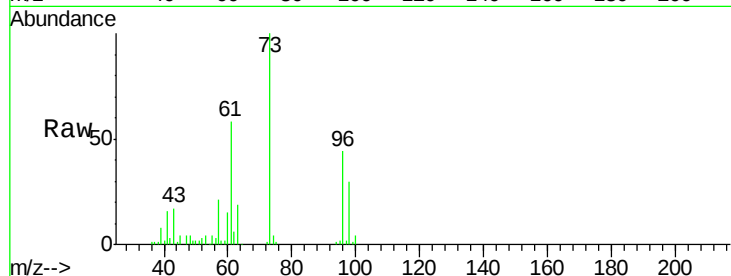




#19
Methyl tert-butyl Ether
Concen: 21.34 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

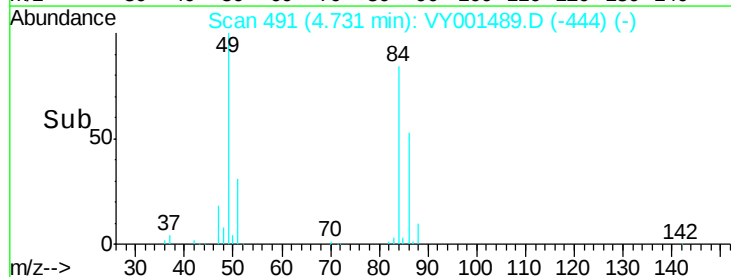
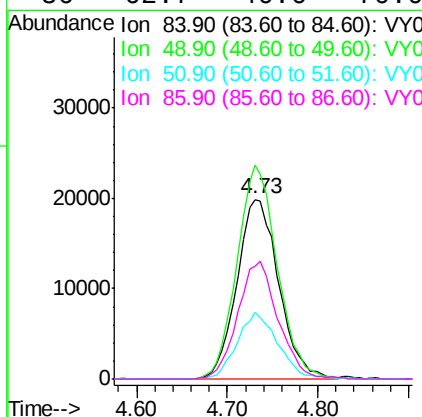
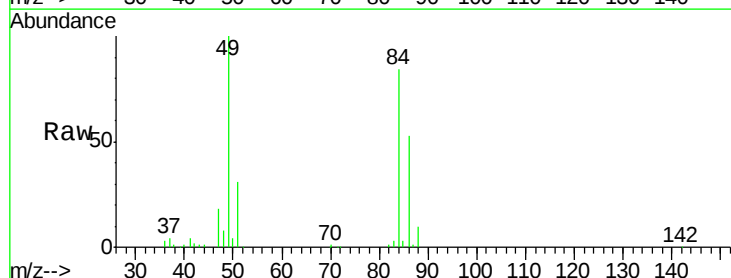
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

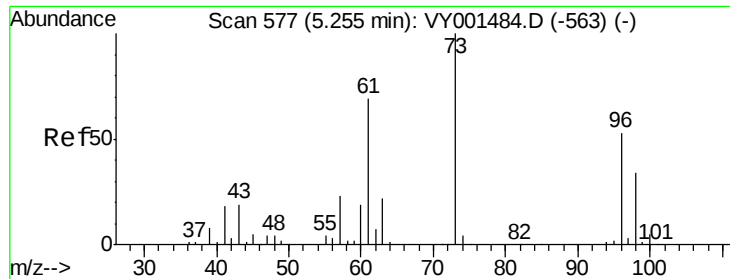
Tgt Ion: 73 Resp: 145461
Ion Ratio Lower Upper
73 100
57 21.4 17.0 25.6



#20
Methylene Chloride
Concen: 20.05 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 84 Resp: 63602
Ion Ratio Lower Upper
84 100
49 118.8 89.0 133.6
51 36.7 27.4 41.2
86 62.7 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 20.70 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

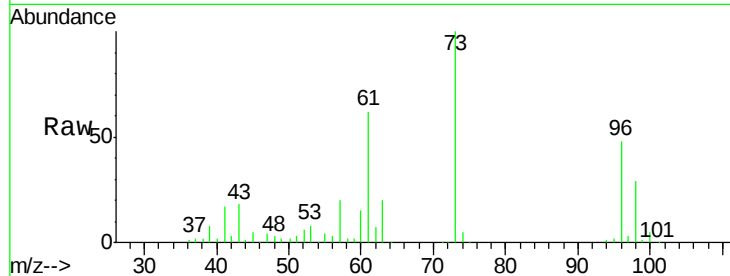
Tgt Ion: 96 Resp: 58970

Ion Ratio Lower Upper

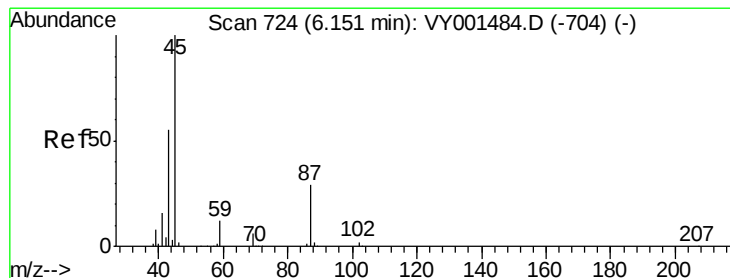
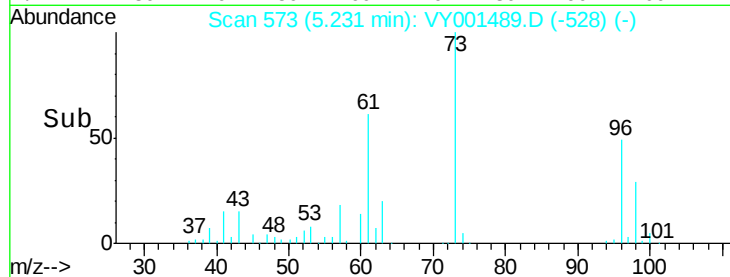
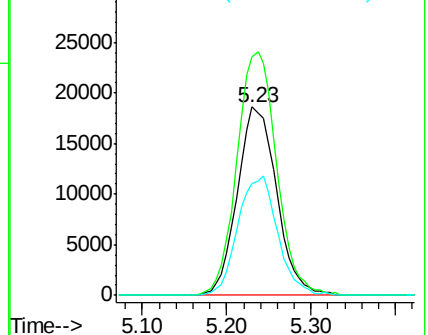
96 100

61 127.0 104.2 156.4

98 59.7 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: 21.16 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion: 45 Resp: 164336

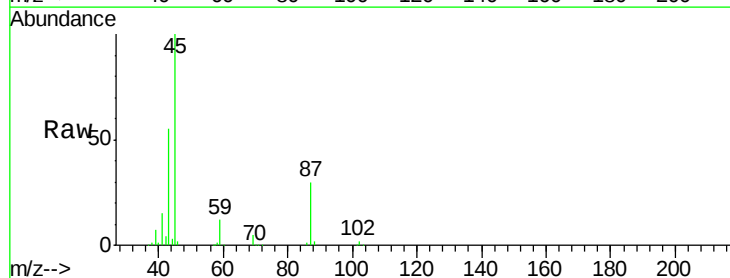
Ion Ratio Lower Upper

45 100

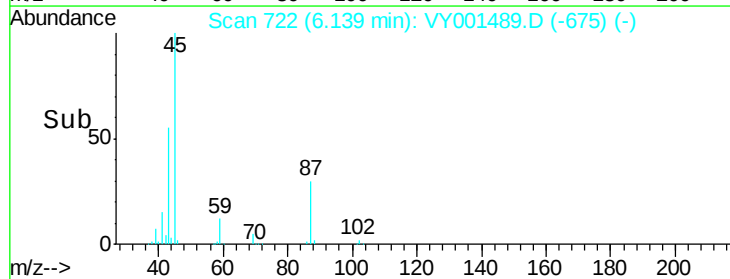
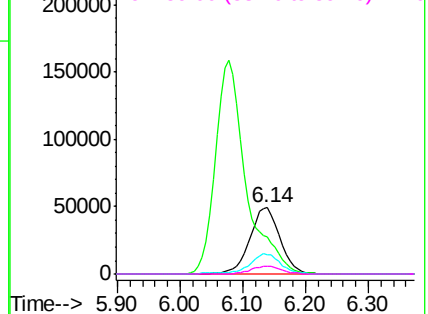
43 55.0 44.2 66.4

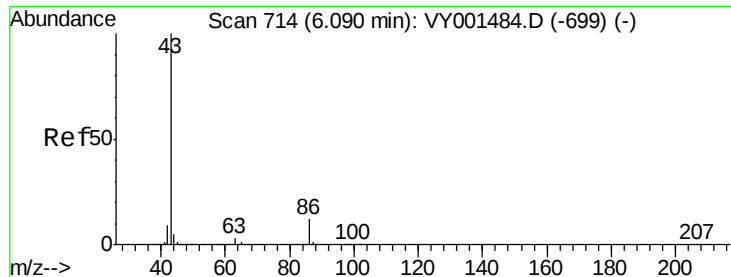
87 29.7 23.9 35.9

59 12.1 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: 108.13 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

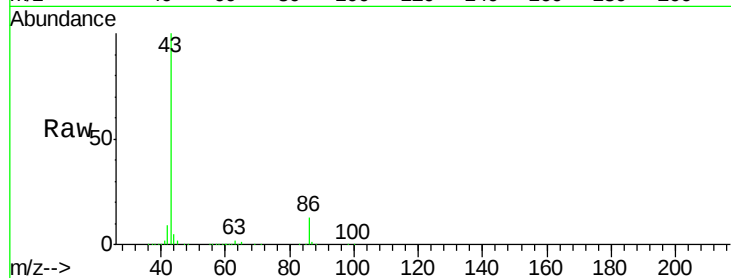
VY0204SBS01

Tgt Ion: 43 Resp: 534692

Ion Ratio Lower Upper

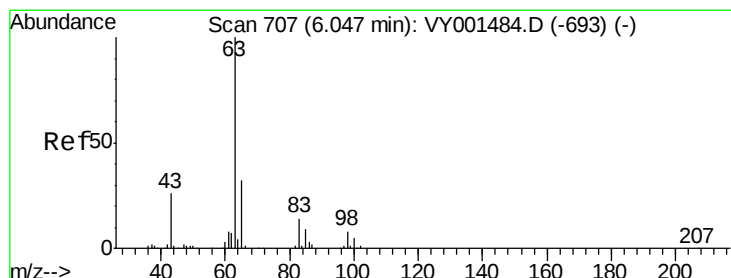
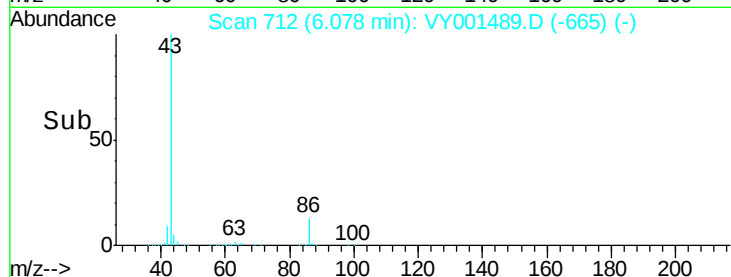
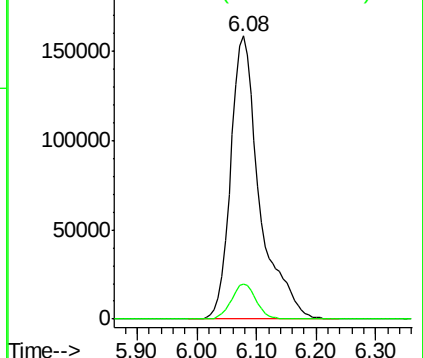
43 100

86 12.5 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: 20.78 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

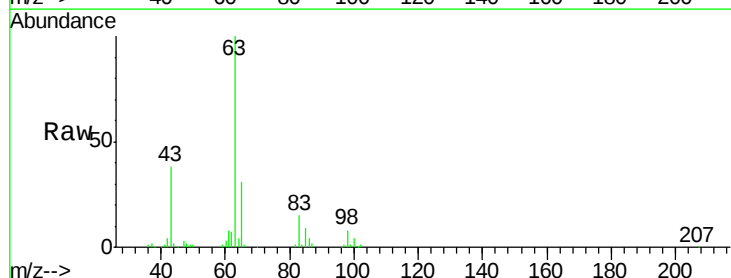
Tgt Ion: 63 Resp: 97093

Ion Ratio Lower Upper

63 100

98 8.2 4.0 11.9

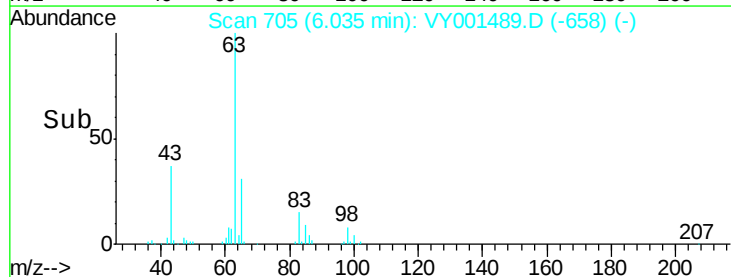
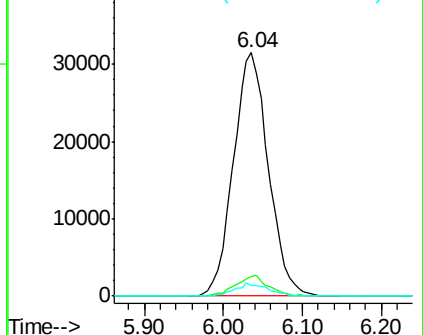
100 4.2 2.6 8.0

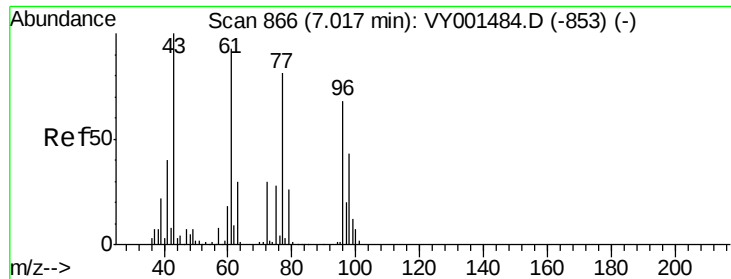


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 109.78 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

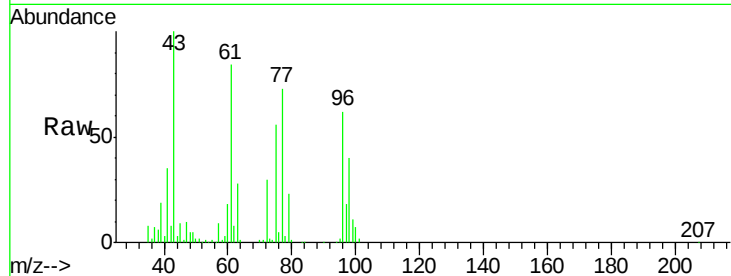
VY0204SBS01

Tgt Ion: 43 Resp: 101115

Ion Ratio Lower Upper

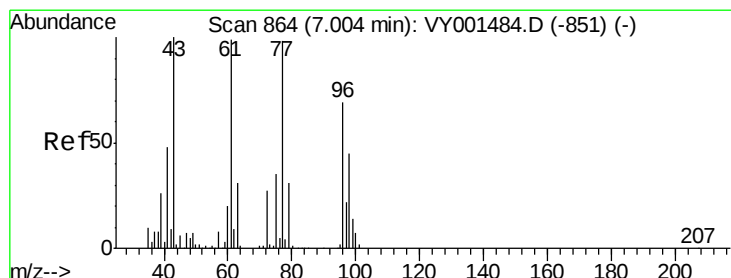
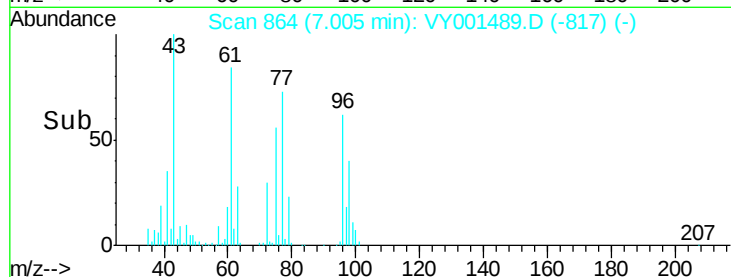
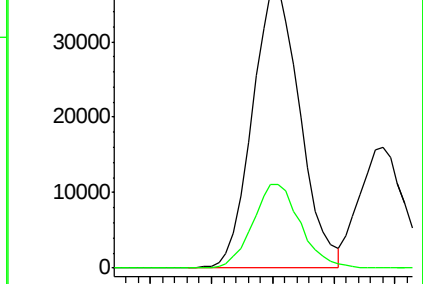
43 100

72 29.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.34 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY001489.D

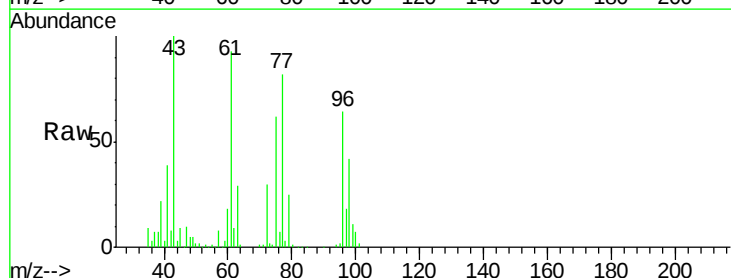
Acq: 04 Feb 2020 16:15

Tgt Ion: 77 Resp: 90962

Ion Ratio Lower Upper

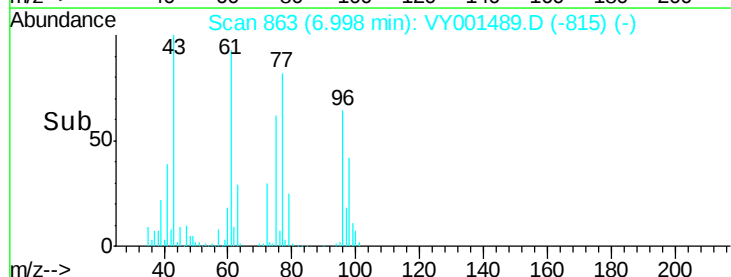
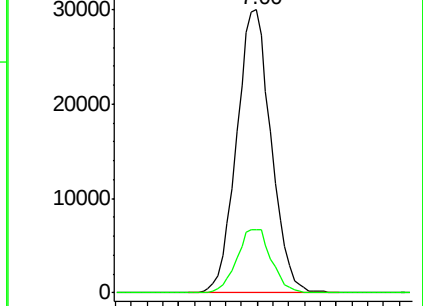
77 100

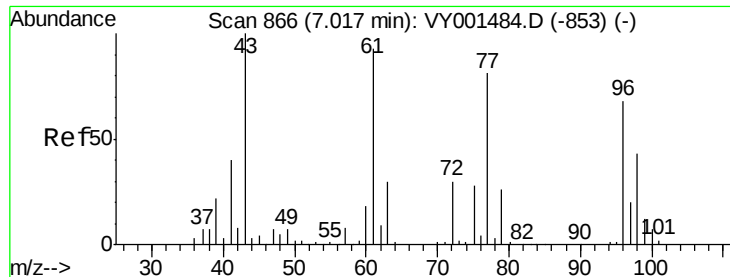
97 22.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



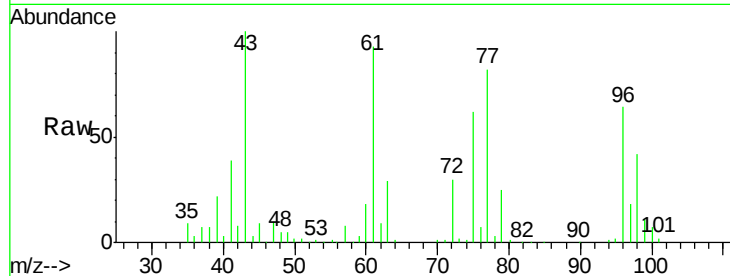


#27

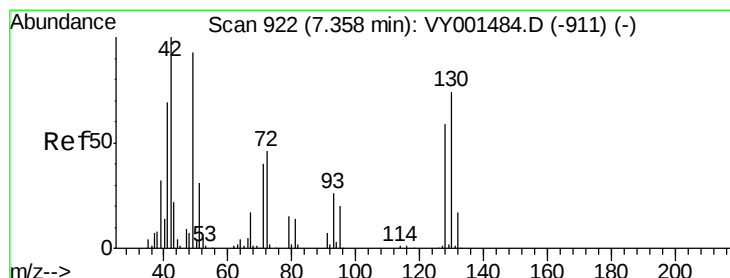
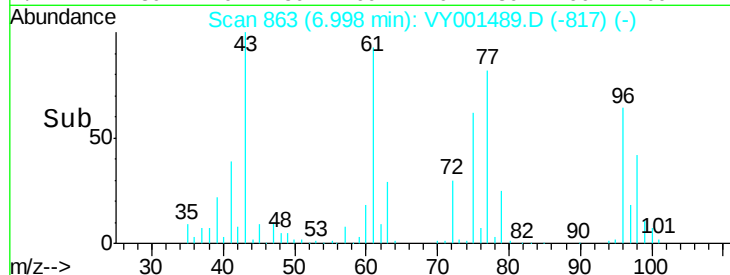
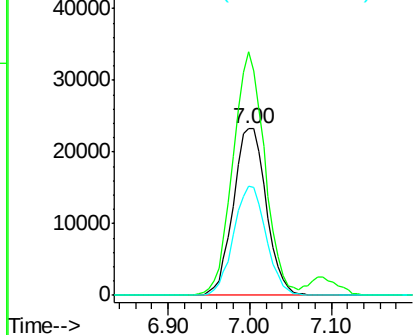
cis-1,2-Dichloroethene
Concen: 20.97 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tgt Ion: 96 Resp: 65244
Ion Ratio Lower Upper
96 100
61 140.5 0.0 278.8
98 64.4 0.0 128.8



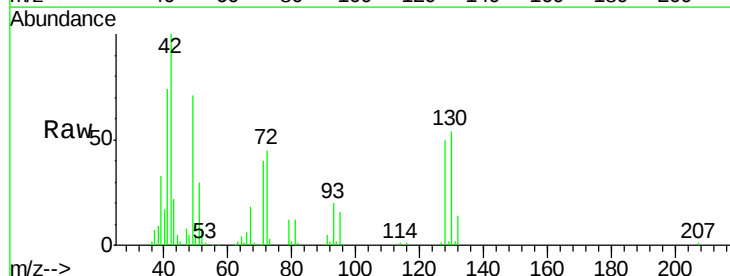
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



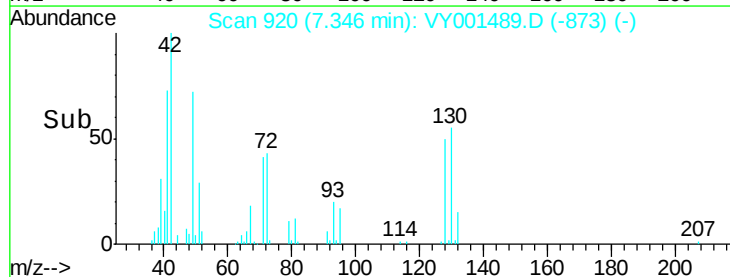
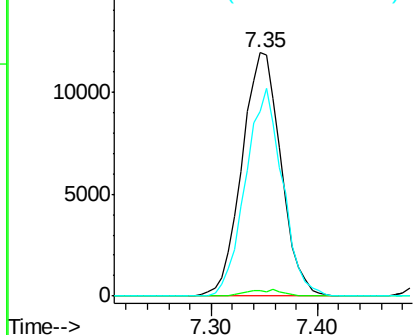
#28

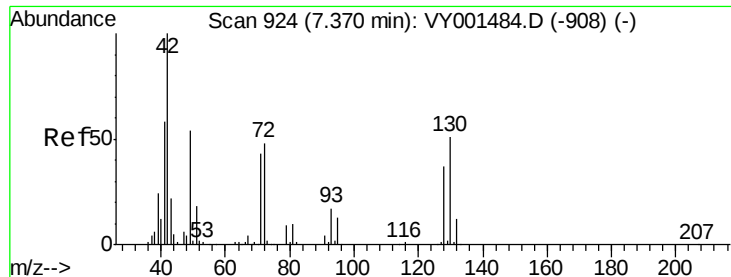
Bromochloromethane
Concen: 19.31 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 49 Resp: 30728
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.8
130 80.7 65.4 98.2



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

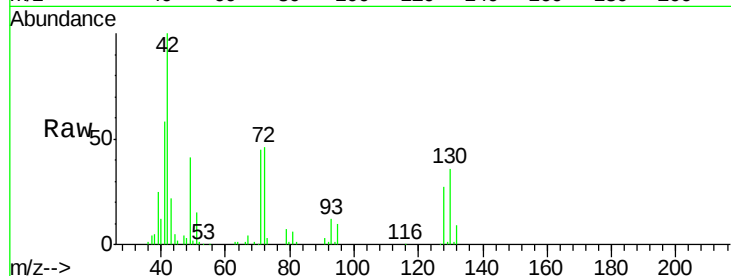




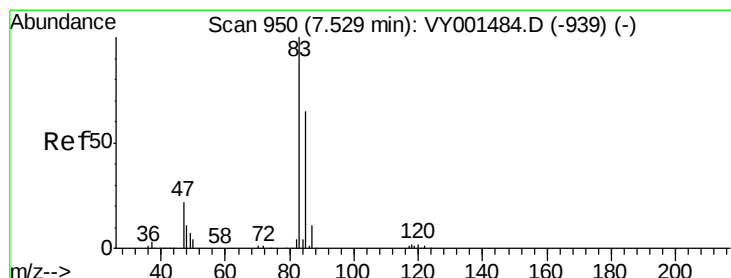
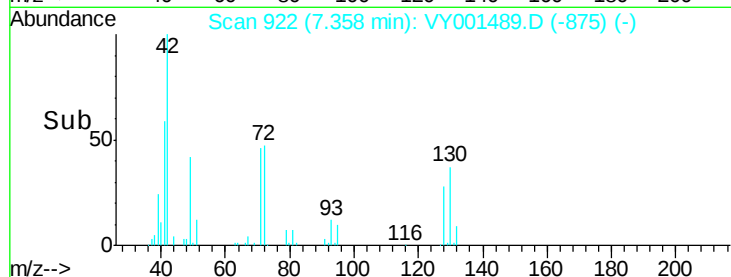
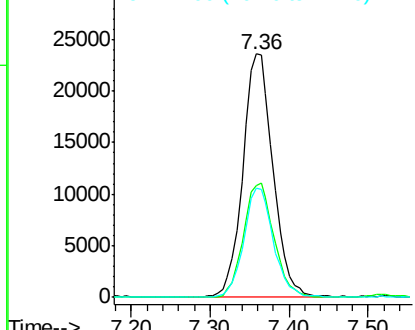
#29
Tetrahydrofuran
Concen: 113.70 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tgt Ion: 42 Resp: 62774
Ion Ratio Lower Upper
42 100
72 47.2 37.8 56.6
71 44.0 34.8 52.2

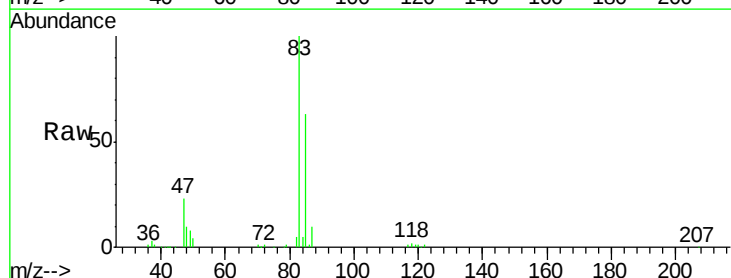


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

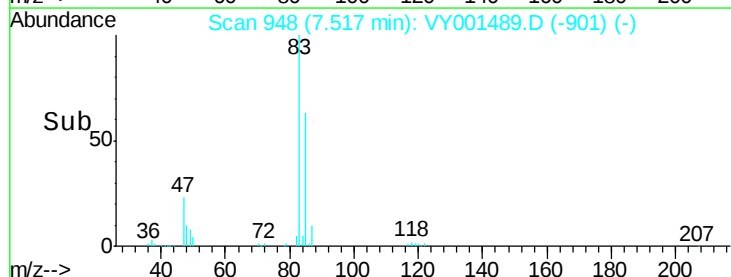
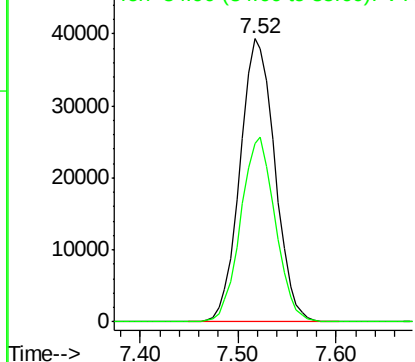


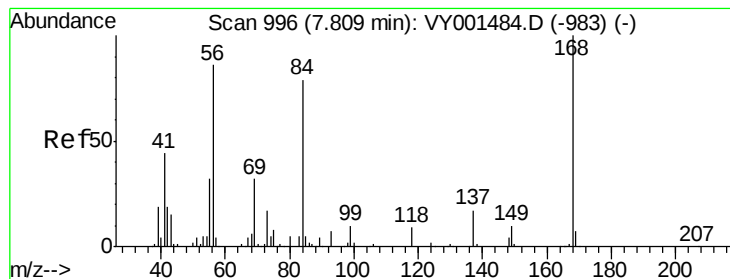
#30
Chloroform
Concen: 20.55 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 83 Resp: 97274
Ion Ratio Lower Upper
83 100
85 63.1 52.4 78.6



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





#31

Cyclohexane

Concen: 20.18 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

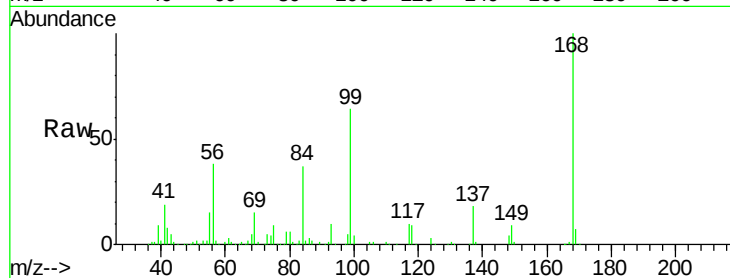
Tgt Ion: 56 Resp: 96470

Ion Ratio Lower Upper

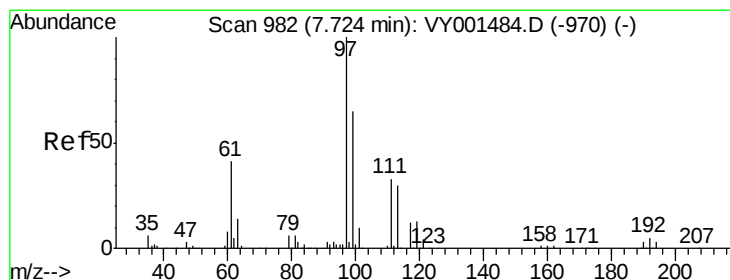
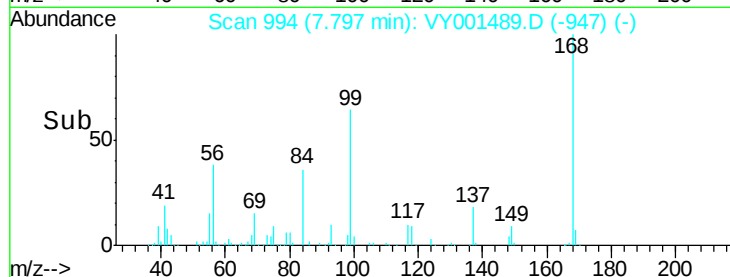
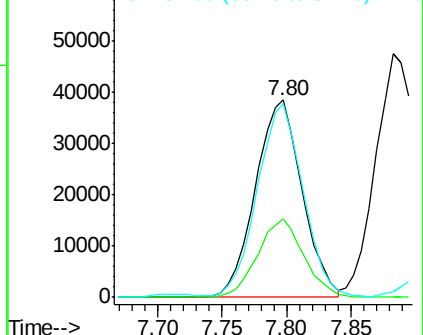
56 100

69 39.8 29.6 44.4

84 96.9 73.6 110.4



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



#32

1,1,1-Trichloroethane

Concen: 20.91 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

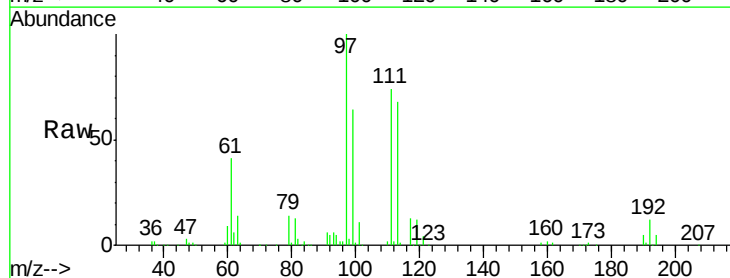
Tgt Ion: 97 Resp: 89733

Ion Ratio Lower Upper

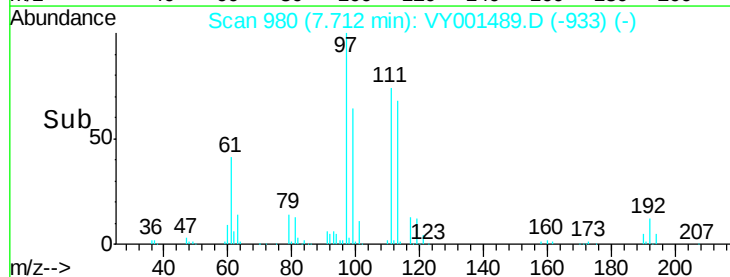
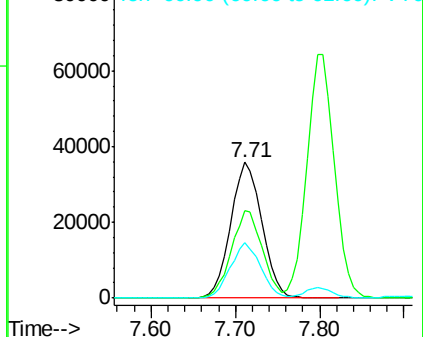
97 100

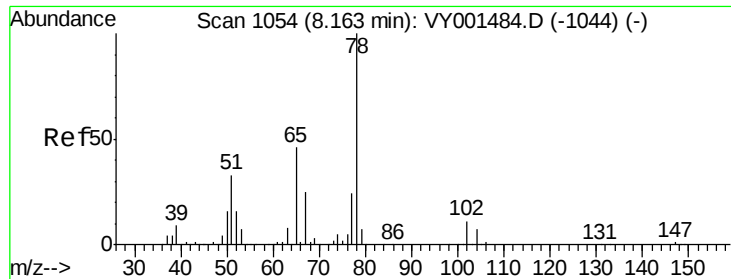
99 63.4 51.8 77.8

61 39.9 32.5 48.7



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





#33

1,2-Dichloroethane-d4

Concen: 52.05 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

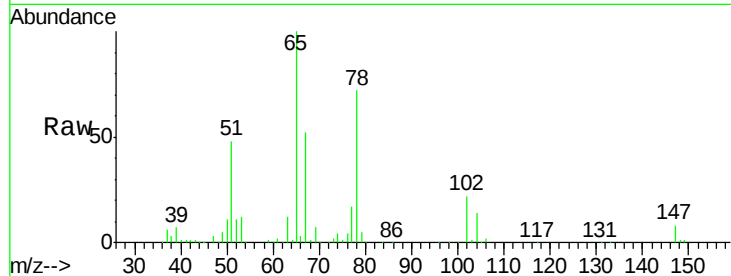
VY0204SBS01

Tgt Ion: 65 Resp: 127767

Ion Ratio Lower Upper

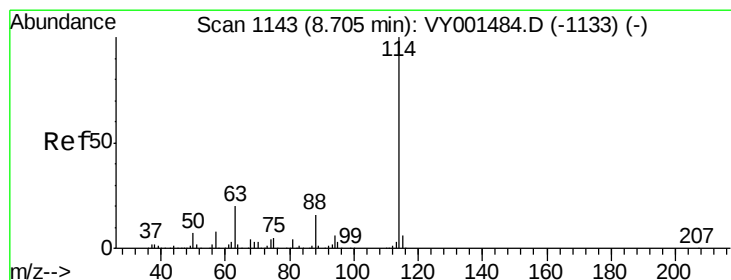
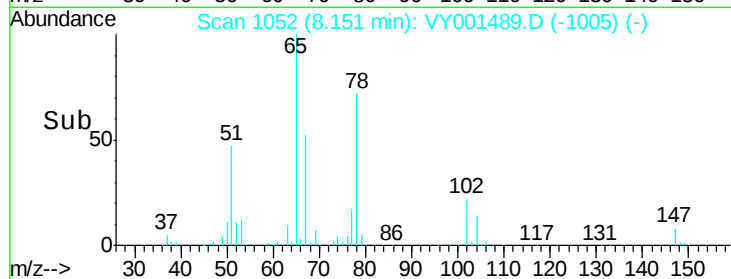
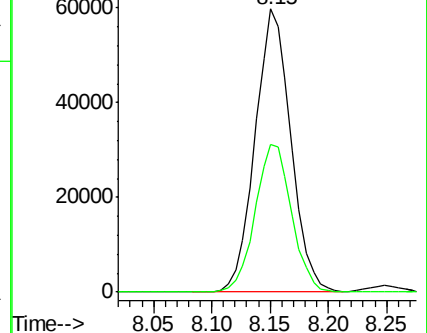
65 100

67 53.0 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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

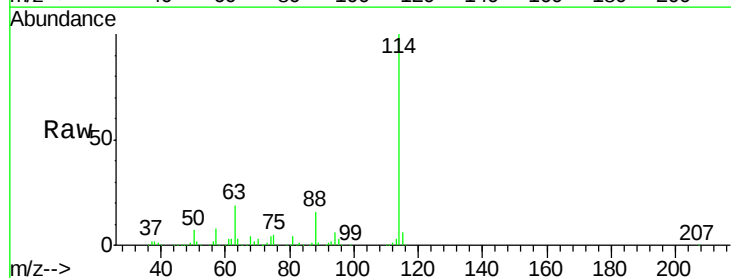
Tgt Ion: 114 Resp: 421003

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

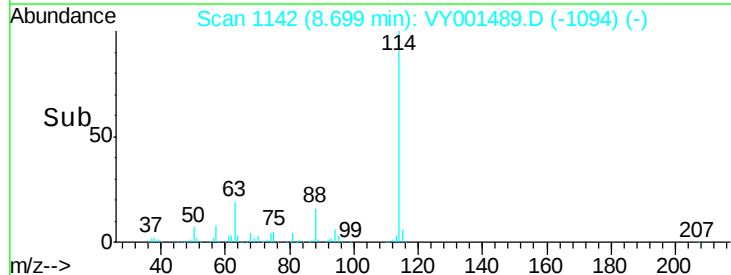
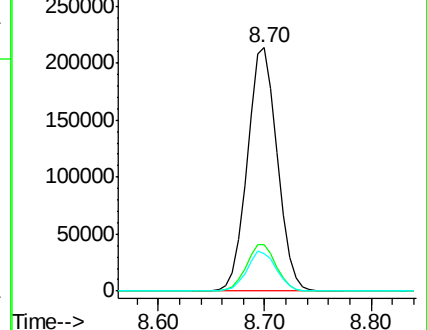
88 15.5 0.0 32.6

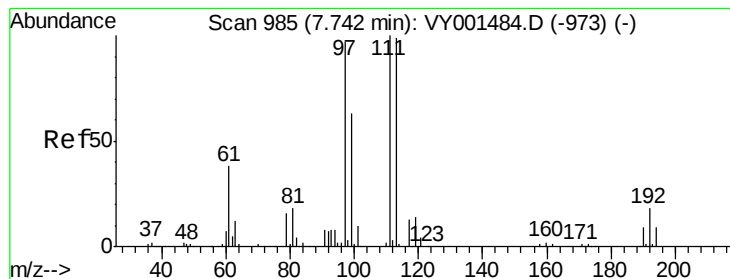


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 49.59 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

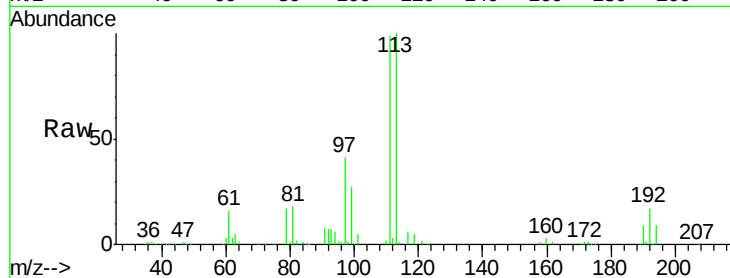
Tgt Ion:113 Resp: 120384

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

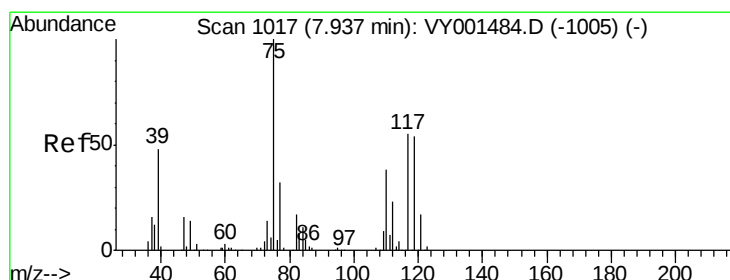
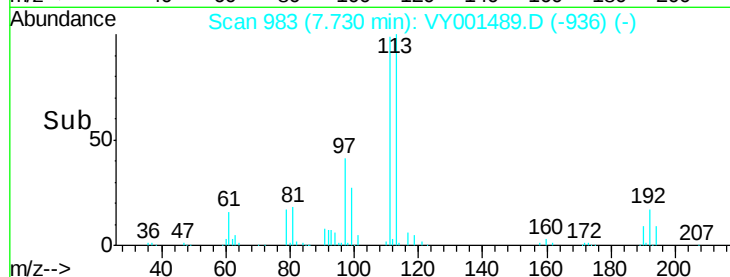
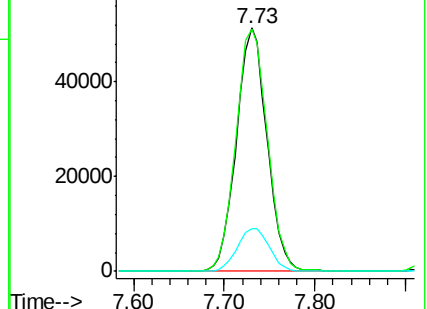
192 18.4 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.90 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

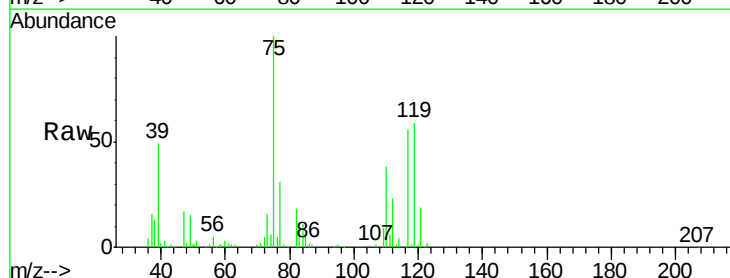
Tgt Ion: 75 Resp: 80498

Ion Ratio Lower Upper

75 100

110 36.1 18.2 54.6

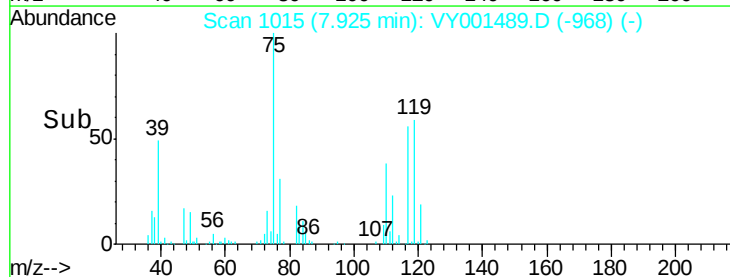
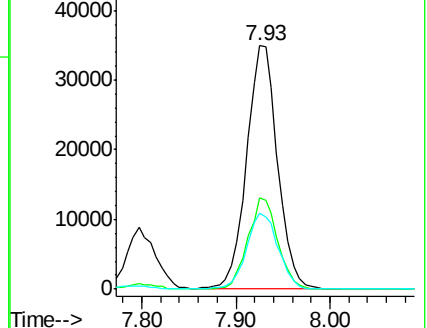
77 31.9 25.0 37.4

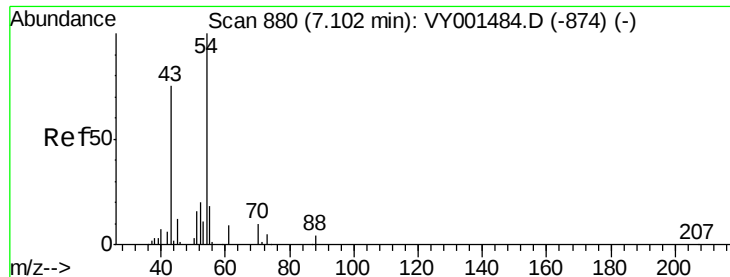


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

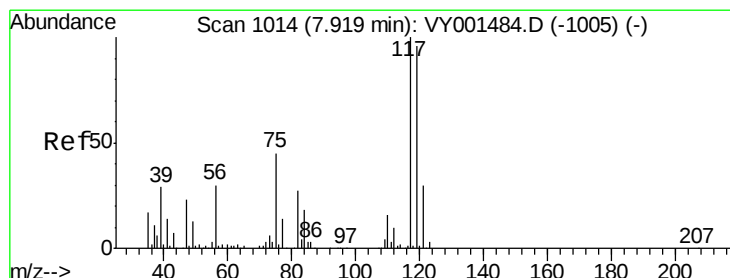
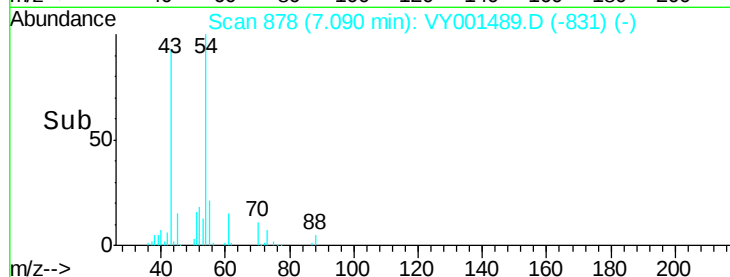
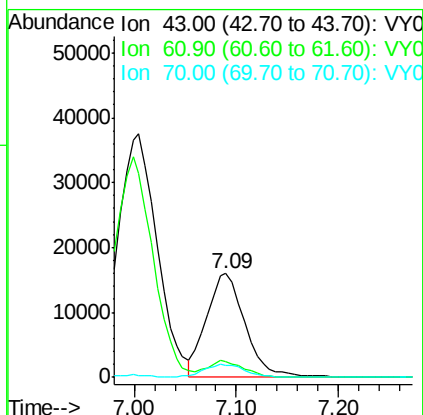
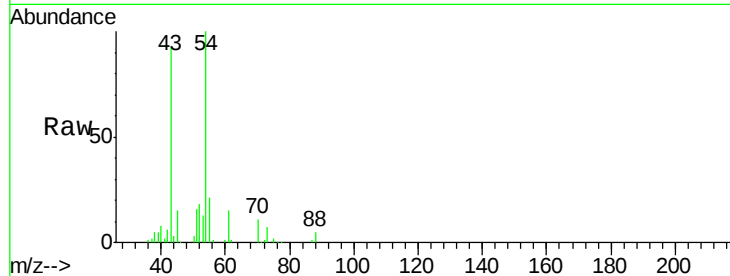




#37
Ethyl Acetate
Concen: 22.66 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

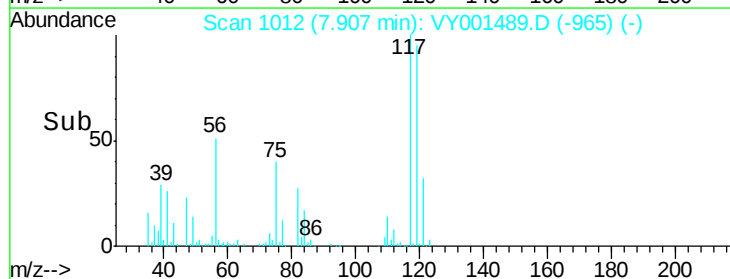
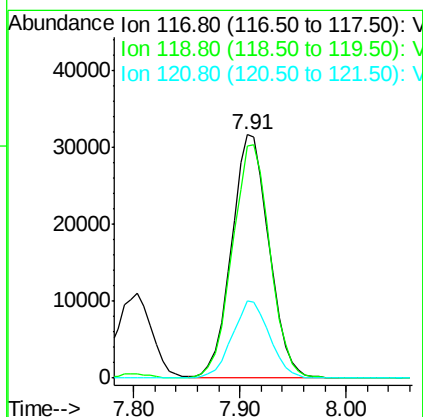
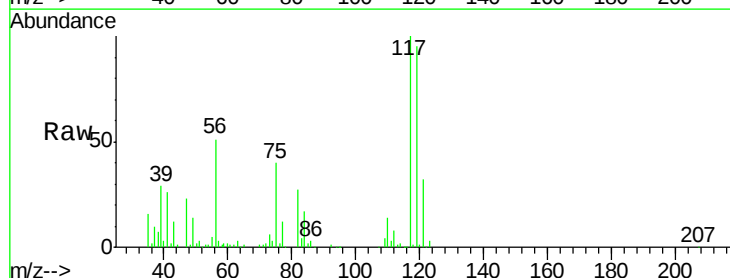
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

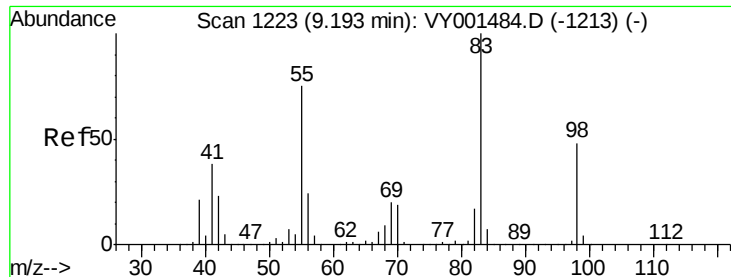
Tgt Ion: 43 Resp: 42250
Ion Ratio Lower Upper
43 100
61 14.9 12.0 18.0
70 12.9 10.2 15.4



#38
Carbon Tetrachloride
Concen: 20.98 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 117 Resp: 78170
Ion Ratio Lower Upper
117 100
119 95.4 76.4 114.6
121 31.5 24.2 36.4

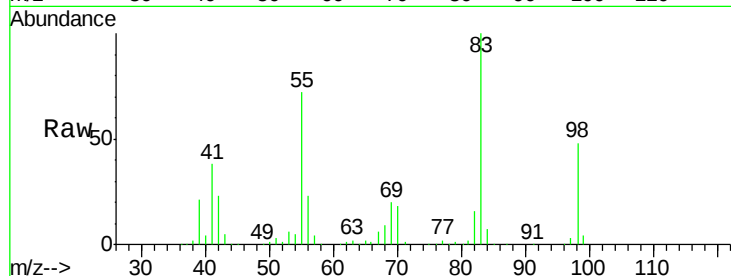




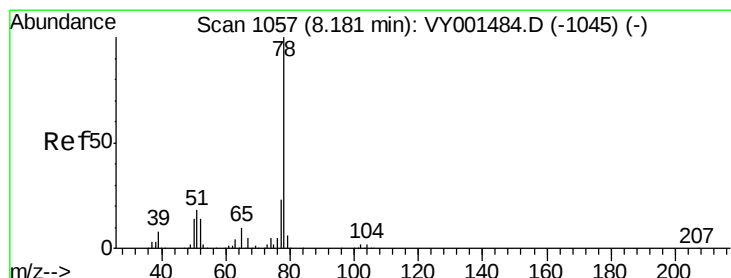
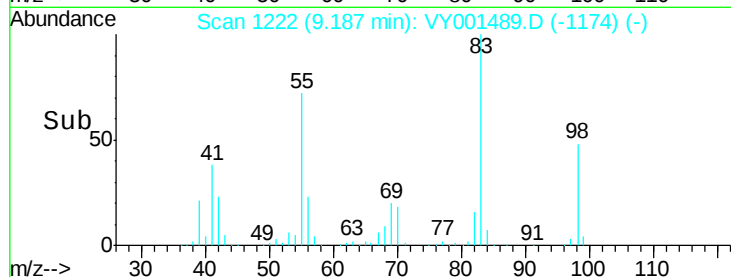
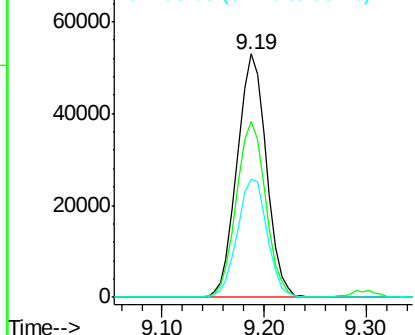
#39
Methylcyclohexane
Concen: 20.80 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tgt Ion: 83 Resp: 105480
Ion Ratio Lower Upper
83 100
55 72.0 59.8 89.6
98 48.5 38.6 57.8

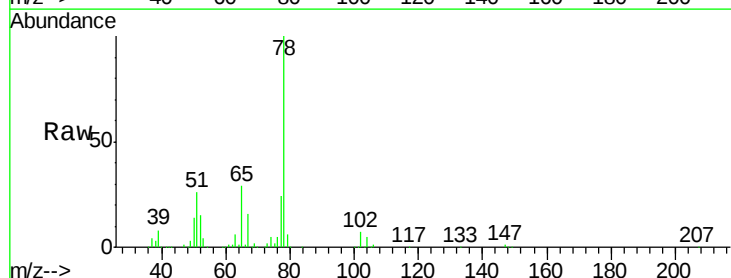


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

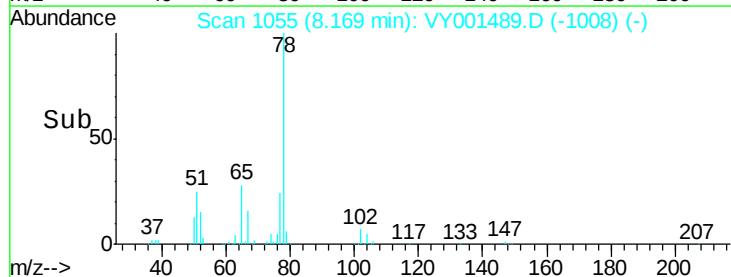
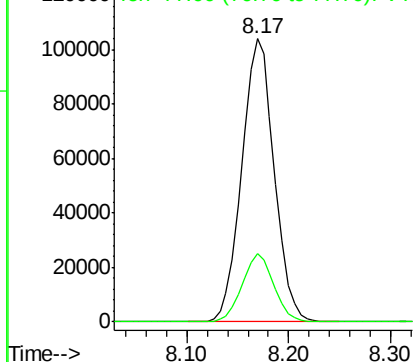


#40
Benzene
Concen: 20.88 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 78 Resp: 229428
Ion Ratio Lower Upper
78 100
77 24.0 18.5 27.7



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





#41

Methacrylonitrile

Concen: 66.47 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.02 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

Tgt Ion: 41 Resp: 57438

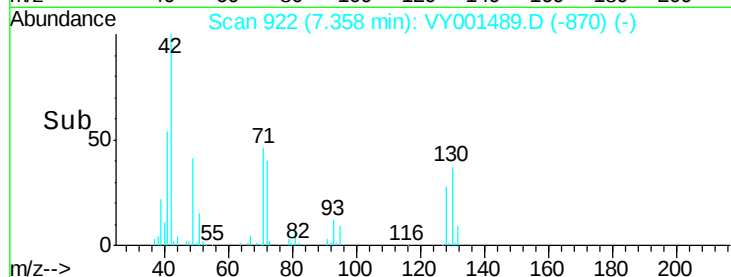
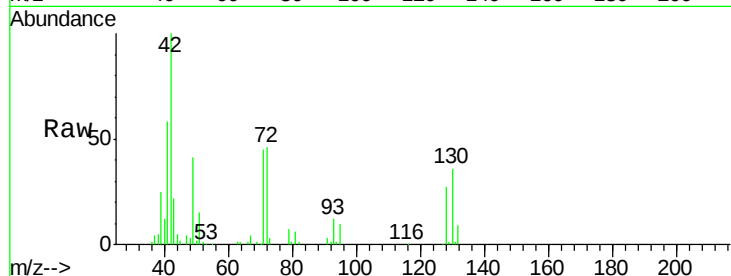
Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

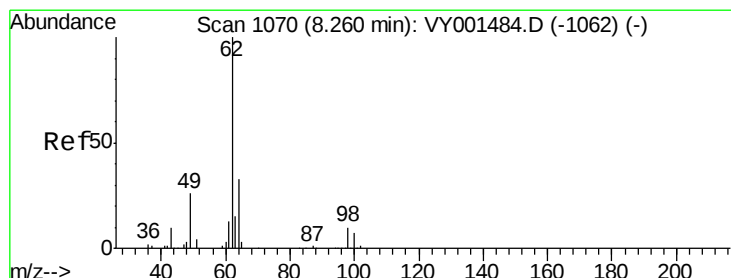
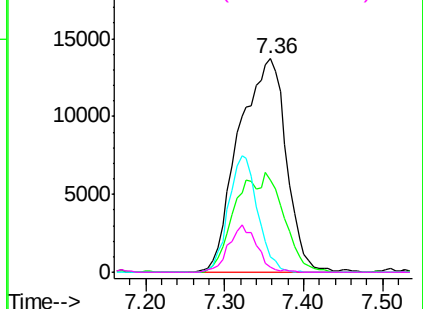


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 21.42 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY001489.D

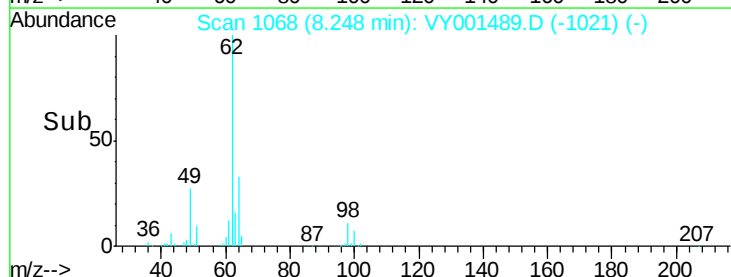
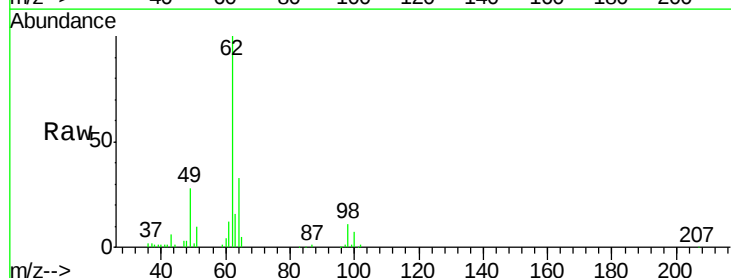
Acq: 04 Feb 2020 16:15

Tgt Ion: 62 Resp: 65542

Ion Ratio Lower Upper

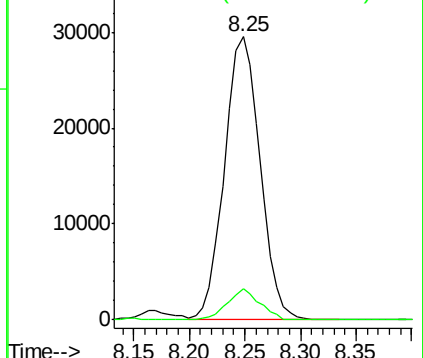
62 100

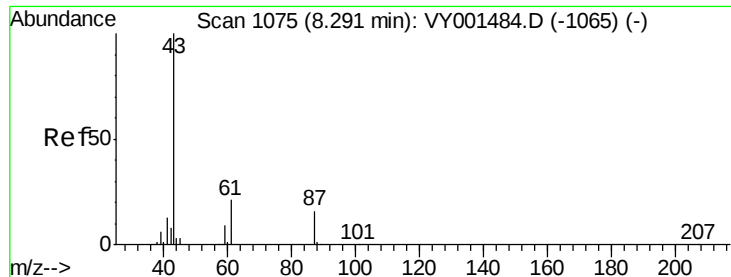
98 10.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 22.50 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

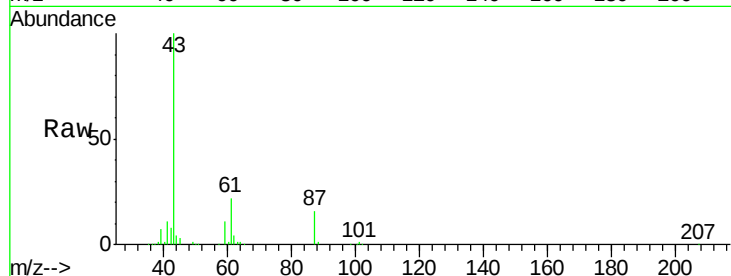
Tgt Ion: 43 Resp: 83042

Ion Ratio Lower Upper

43 100

61 30.2 25.1 37.7

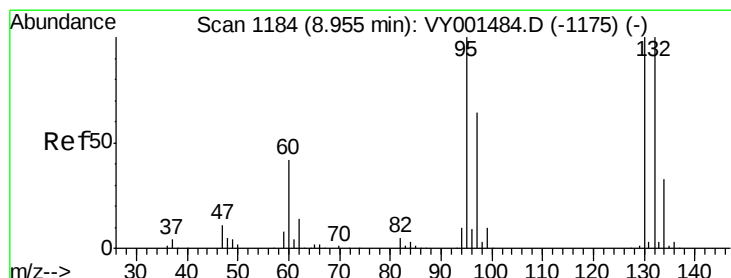
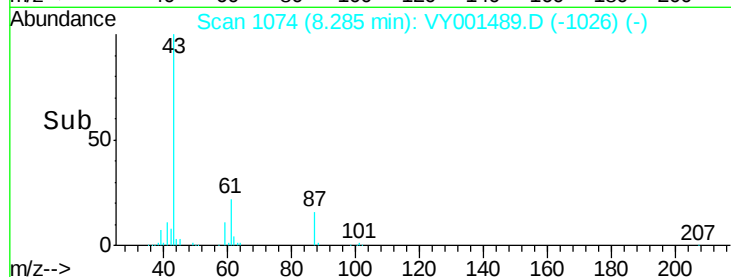
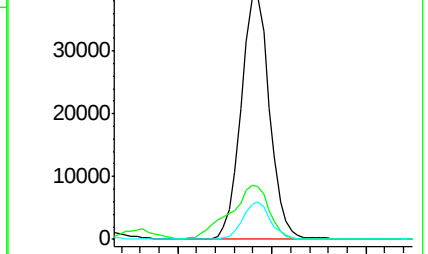
87 14.7 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VY001489.D (-1065) (-)

Ion 61.00 (60.70 to 61.70): VY001489.D (-1065) (-)

Ion 87.00 (86.70 to 87.70): VY001489.D (-1065) (-)



#44

Trichloroethene

Concen: 20.86 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY001489.D

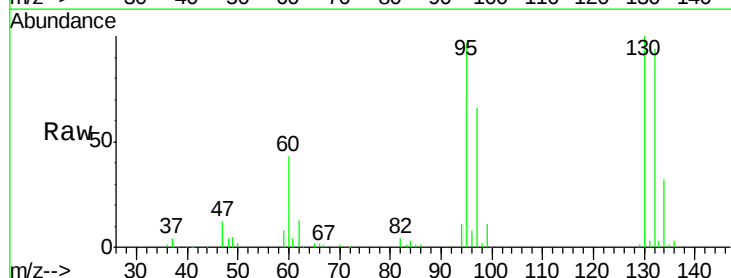
Acq: 04 Feb 2020 16:15

Tgt Ion: 130 Resp: 61759

Ion Ratio Lower Upper

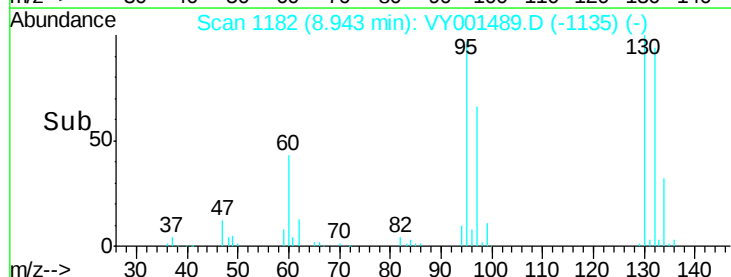
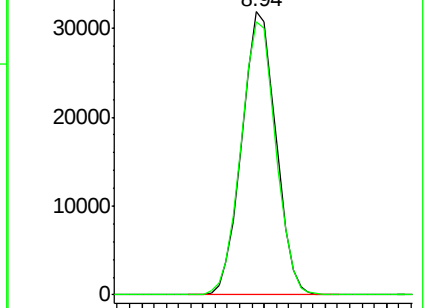
130 100

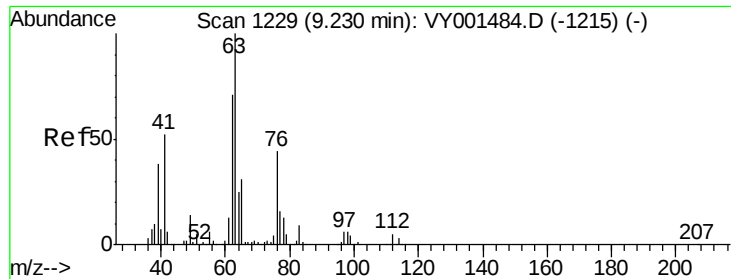
95 96.6 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): VY001489.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY001489.D (-1135) (-)

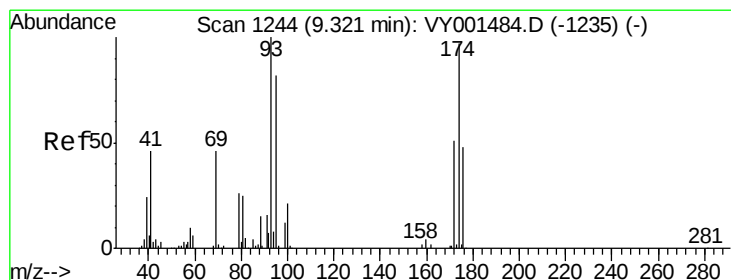
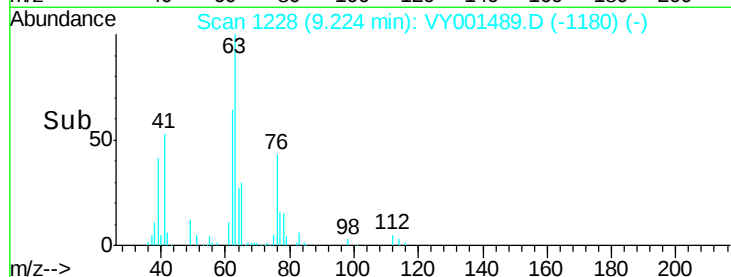
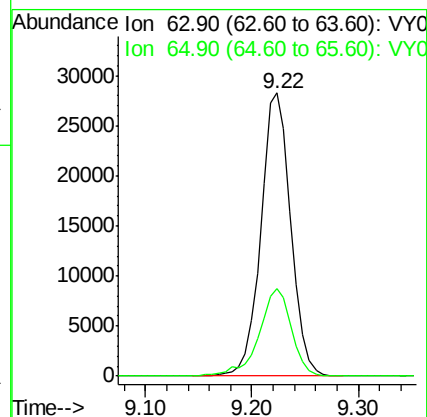
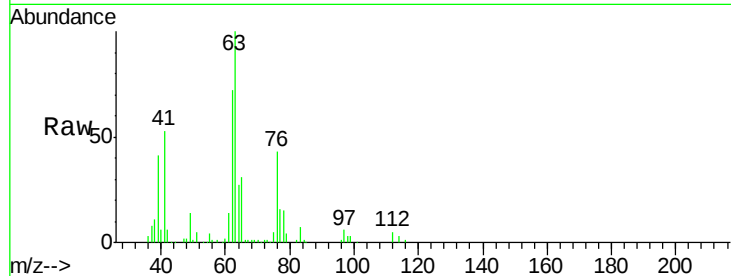




#45
 1,2-Dichloropropane
 Concen: 20.88 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

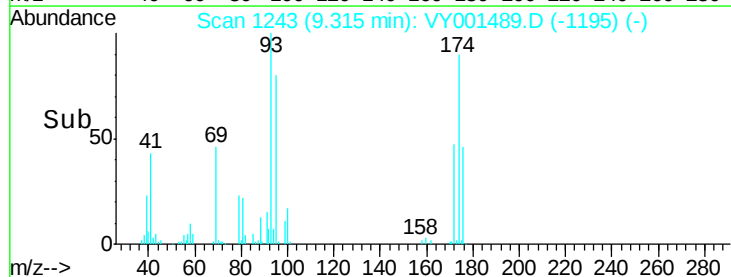
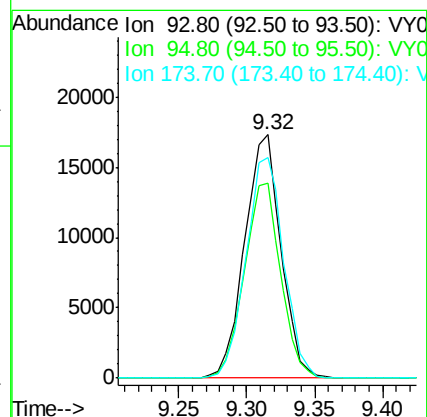
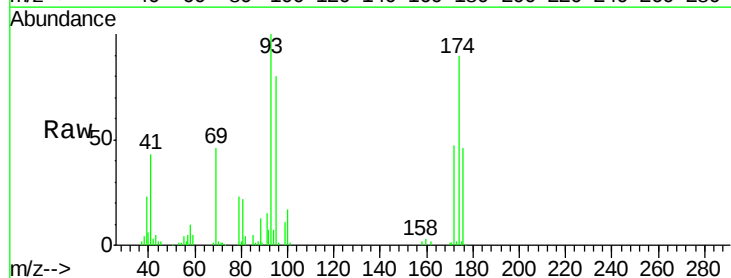
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

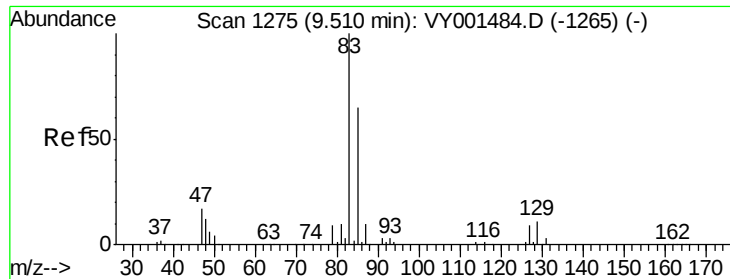
Tgt Ion: 63 Resp: 55394
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4



#46
 Dibromomethane
 Concen: 21.71 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion: 93 Resp: 32332
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.6 99.8
 174 94.3 75.4 113.2





#47

Bromodichloromethane

Concen: 21.14 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

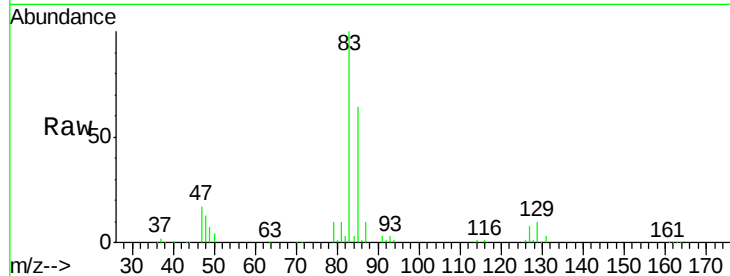
Tgt Ion: 83 Resp: 76712

Ion Ratio Lower Upper

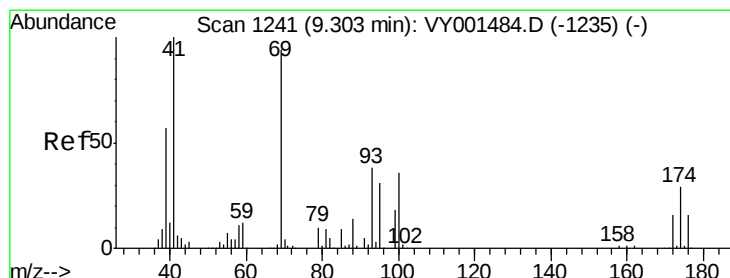
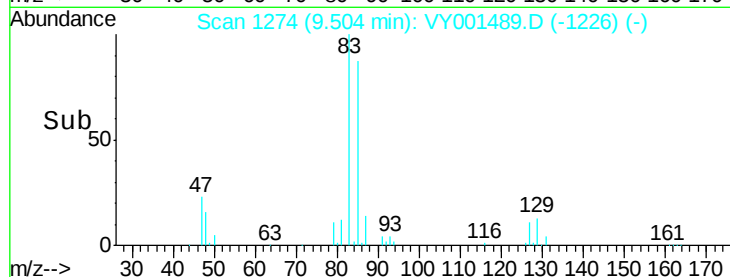
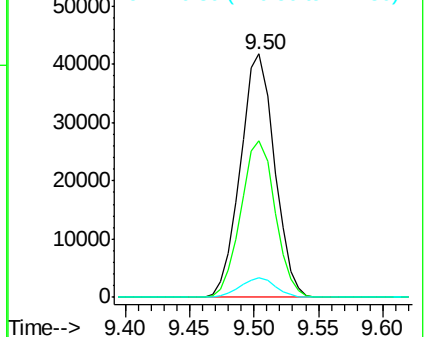
83 100

85 64.4 51.9 77.9

127 8.1 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: 21.87 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

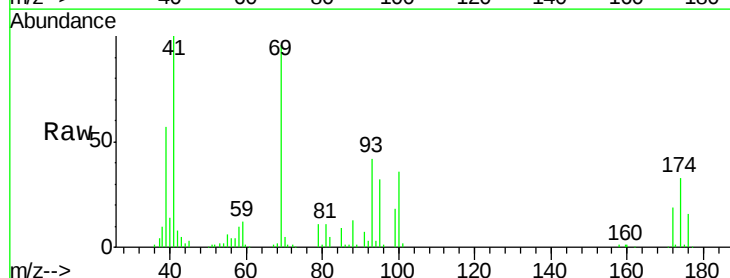
Tgt Ion: 41 Resp: 36640

Ion Ratio Lower Upper

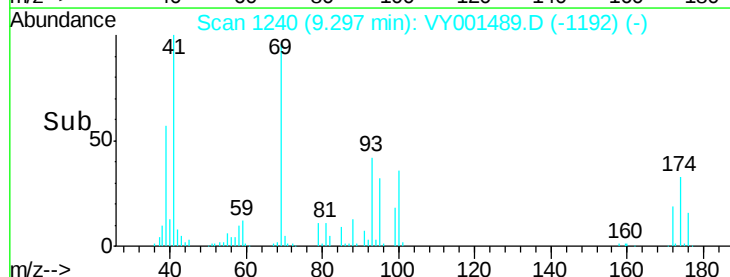
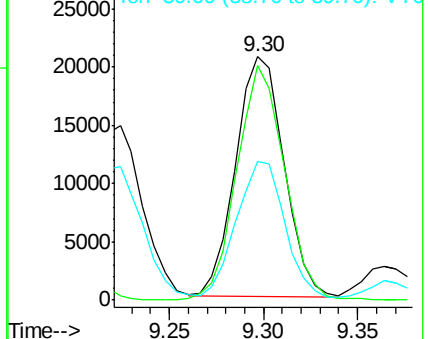
41 100

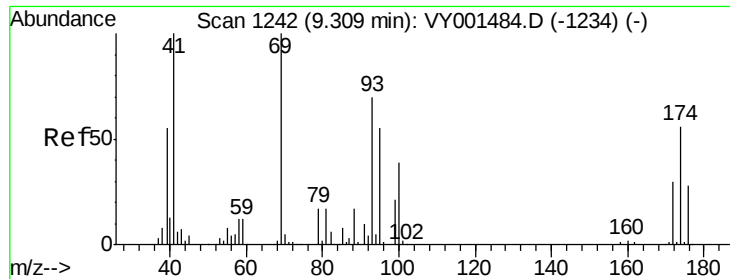
69 96.6 76.6 114.8

39 59.0 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

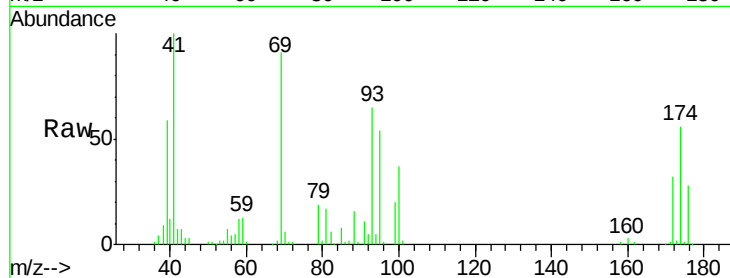




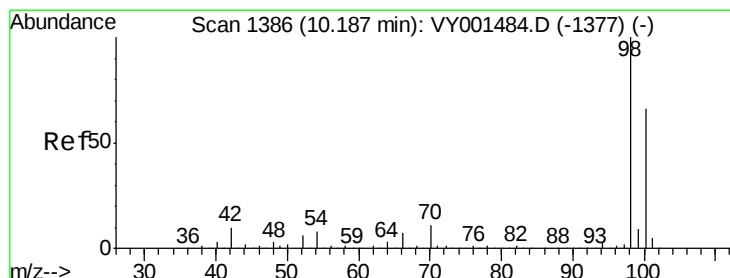
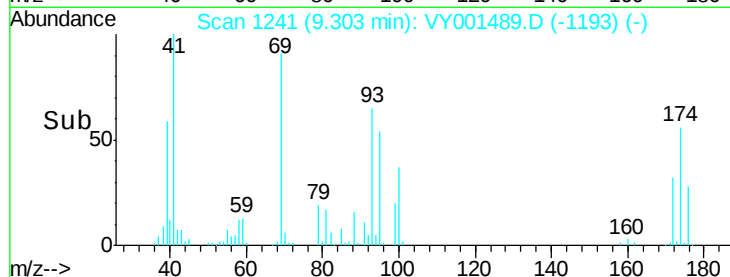
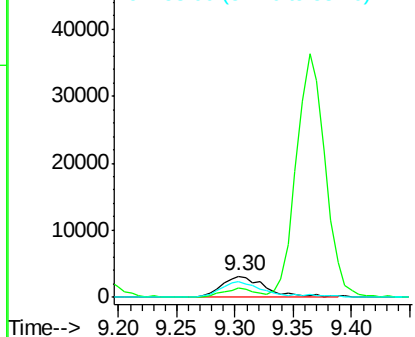
#49
 1,4-Dioxane
 Concen: 425.38 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tgt Ion: 88 Resp: 8368
 Ion Ratio Lower Upper
 88 100
 43 30.6 24.8 37.2
 58 76.6 59.3 88.9

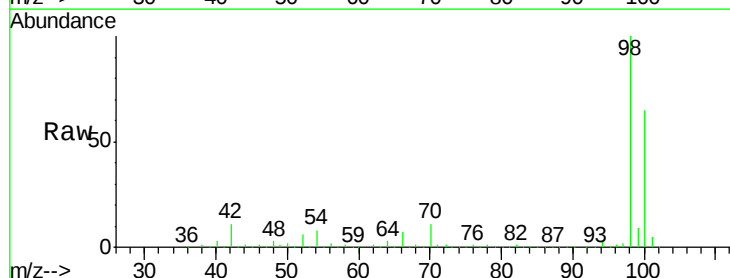


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

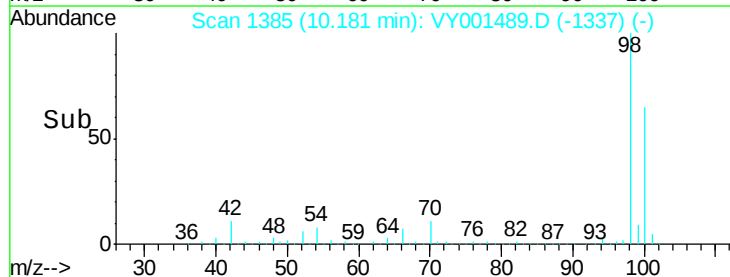
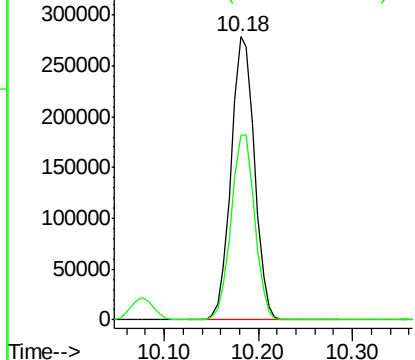


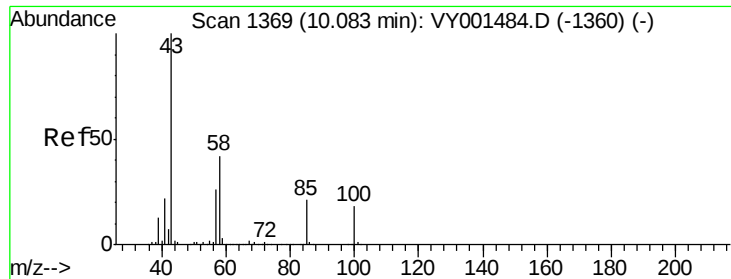
#50
 Toluene-d8
 Concen: 52.16 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion: 98 Resp: 479082
 Ion Ratio Lower Upper
 98 100
 100 66.2 53.0 79.6



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





#51

4-Methyl-2-Pentanone

Concen: 114.89 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

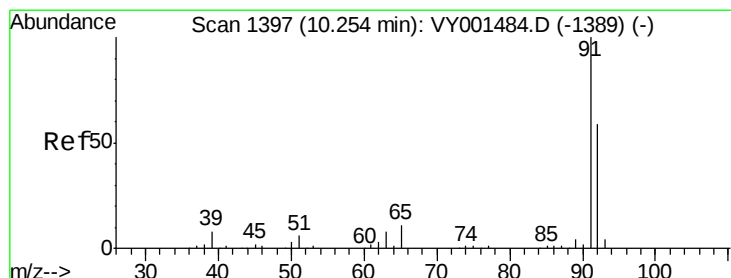
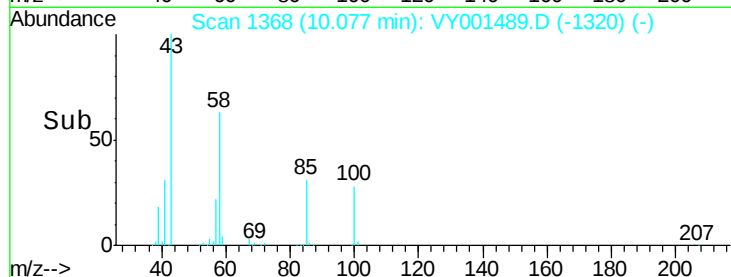
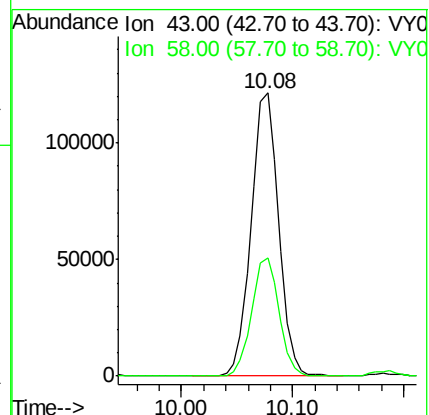
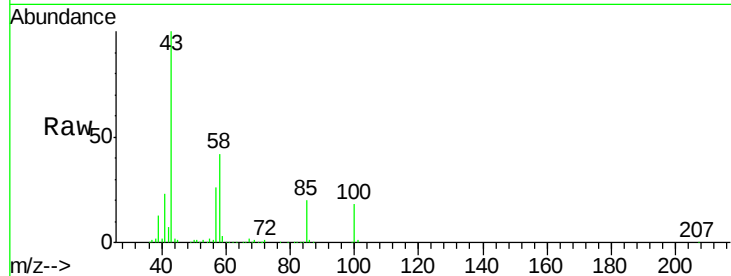
VY0204SBS01

Tgt Ion: 43 Resp: 208869

Ion Ratio Lower Upper

43 100

58 41.6 33.9 50.9



#52

Toluene

Concen: 20.90 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001489.D

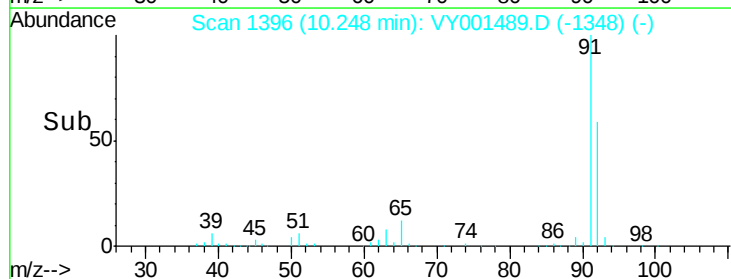
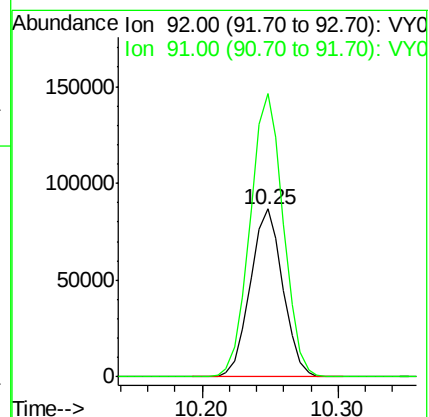
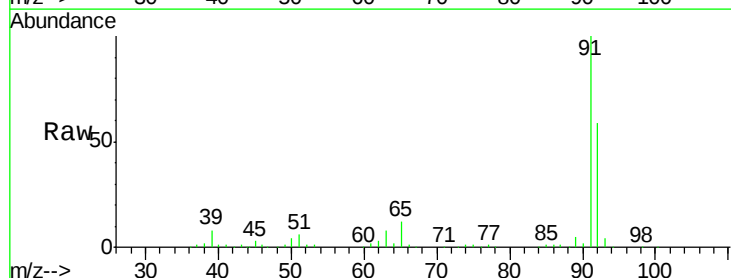
Acq: 04 Feb 2020 16:15

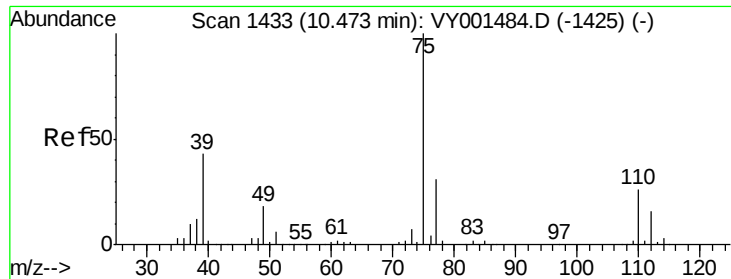
Tgt Ion: 92 Resp: 145648

Ion Ratio Lower Upper

92 100

91 171.7 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 21.31 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

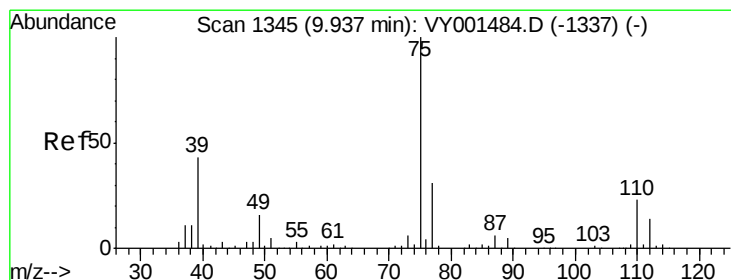
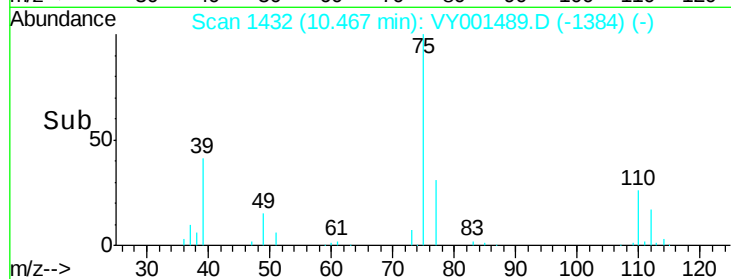
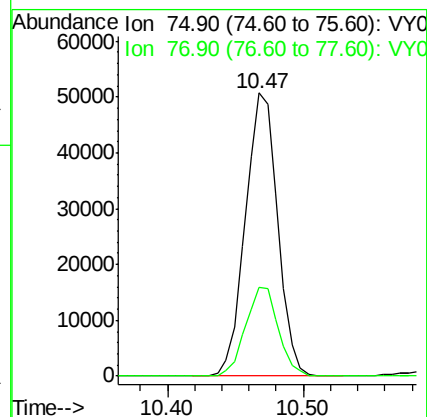
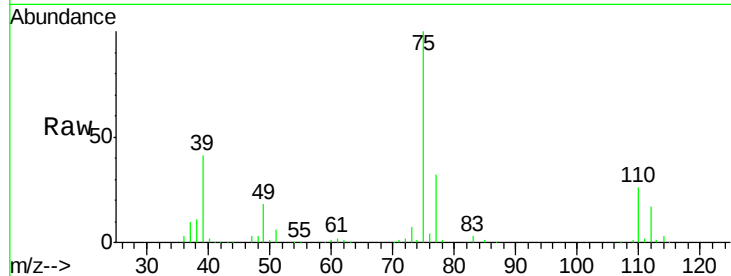
VY0204SBS01

Tgt Ion: 75 Resp: 84223

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 21.14 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

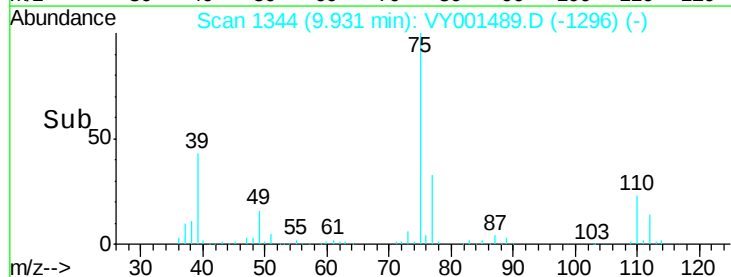
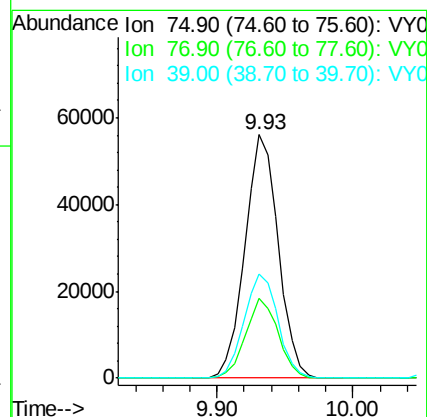
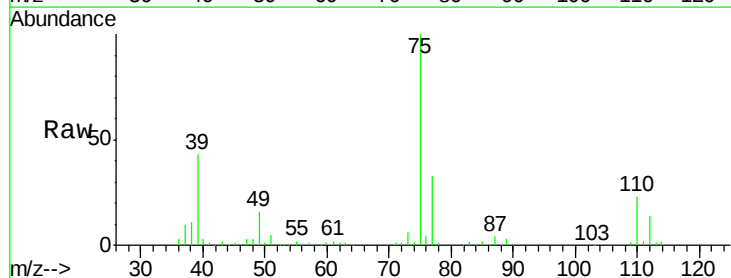
Tgt Ion: 75 Resp: 95946

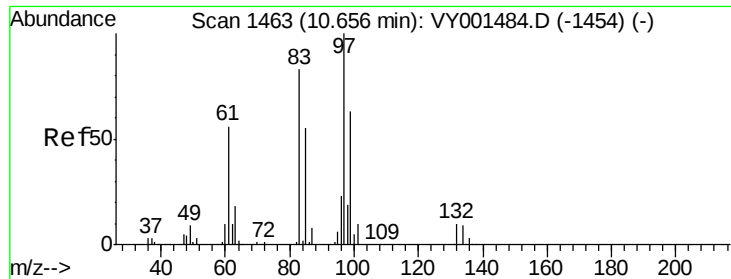
Ion Ratio Lower Upper

75 100

77 32.7 24.7 37.1

39 42.7 34.0 51.0

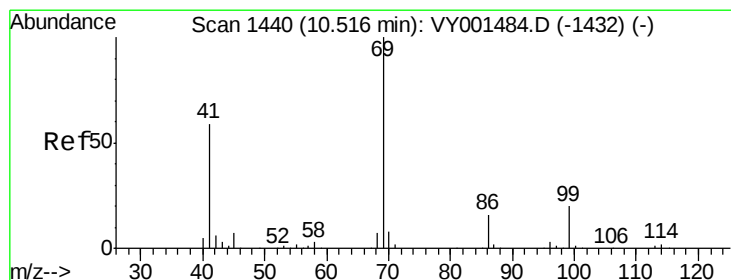
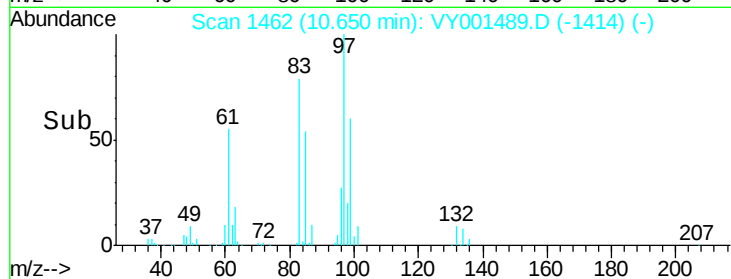
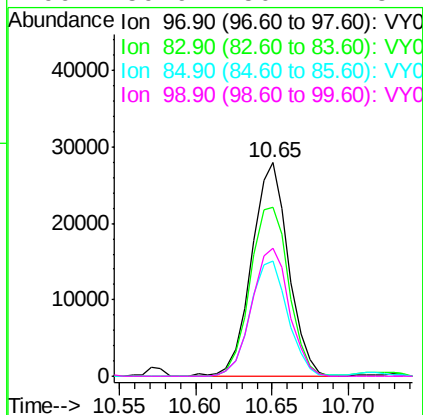
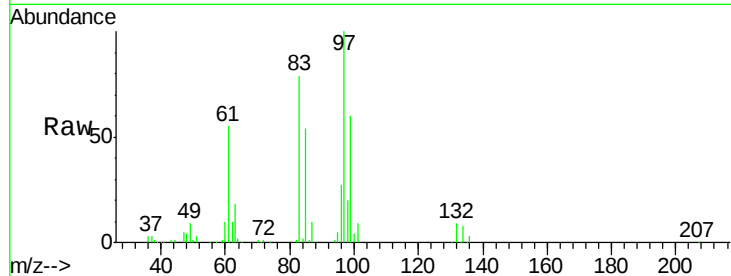




#55
 1,1,2-Trichloroethane
 Concen: 21.88 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

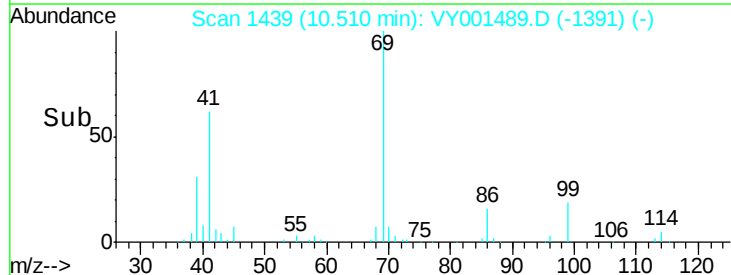
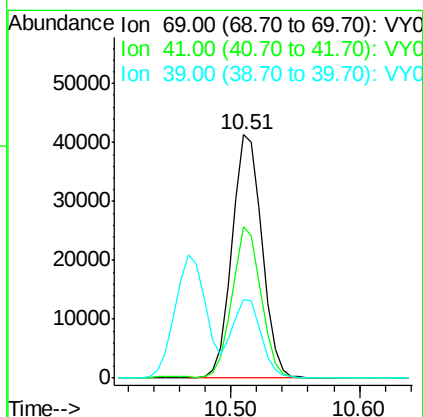
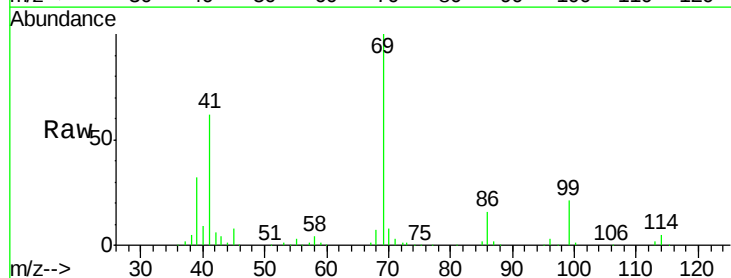
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

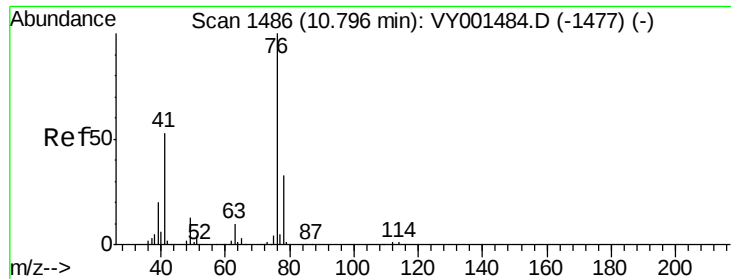
Tgt Ion: 97 Resp: 46752
 Ion Ratio Lower Upper
 97 100
 83 79.3 66.2 99.2
 85 53.7 43.8 65.6
 99 59.9 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 21.96 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion: 69 Resp: 66764
 Ion Ratio Lower Upper
 69 100
 41 59.4 47.8 71.8
 39 31.7 24.4 36.6





#57

1,3-Dichloropropane

Concen: 21.17 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

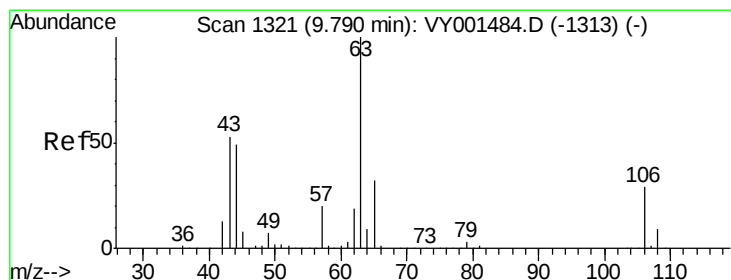
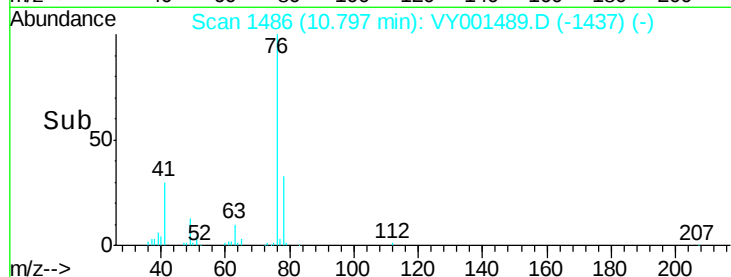
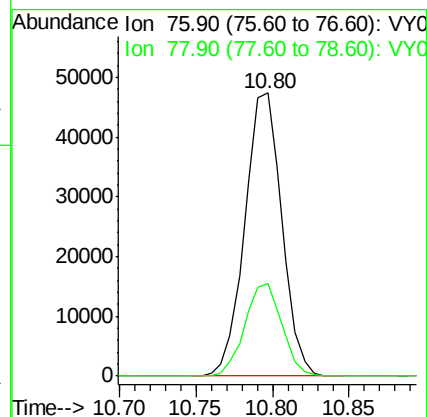
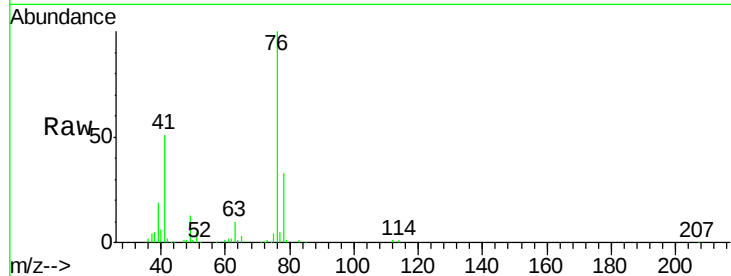
VY0204SBS01

Tgt Ion: 76 Resp: 79744

Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 102.49 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY001489.D

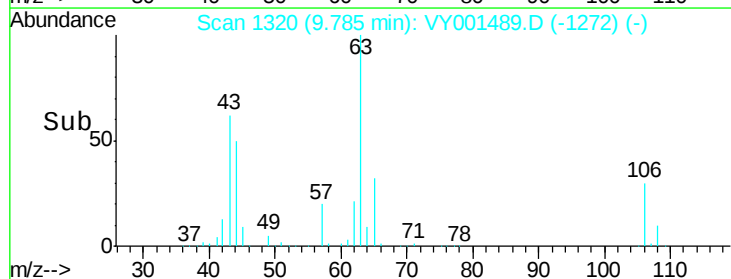
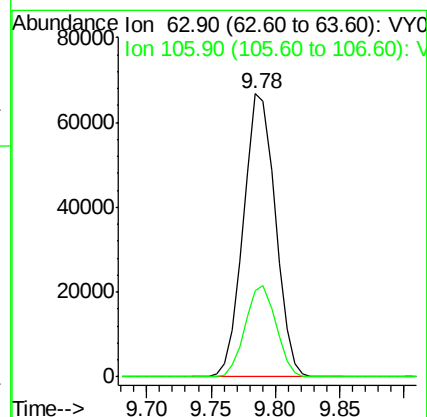
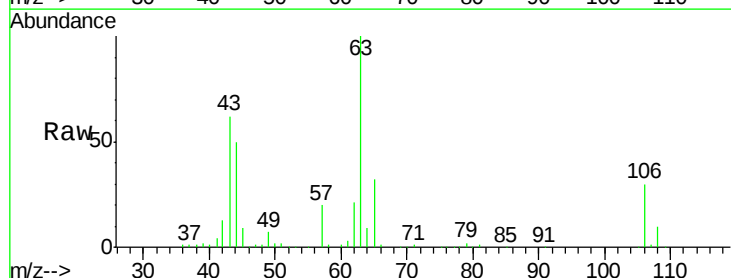
Acq: 04 Feb 2020 16:15

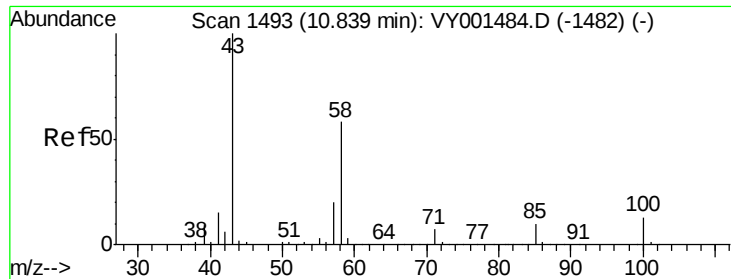
Tgt Ion: 63 Resp: 114611

Ion Ratio Lower Upper

63 100

106 30.9 24.0 36.0

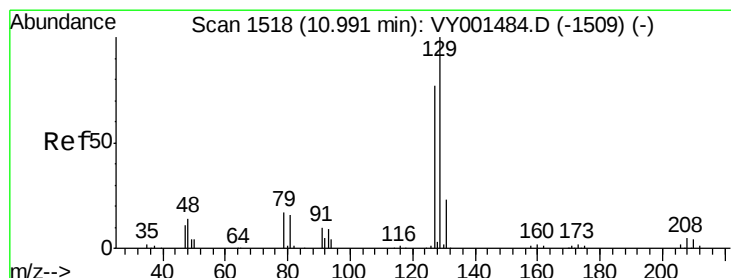
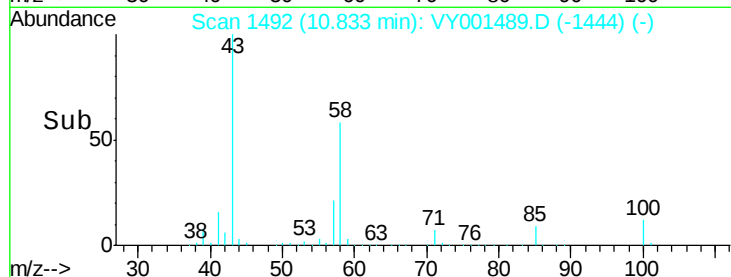
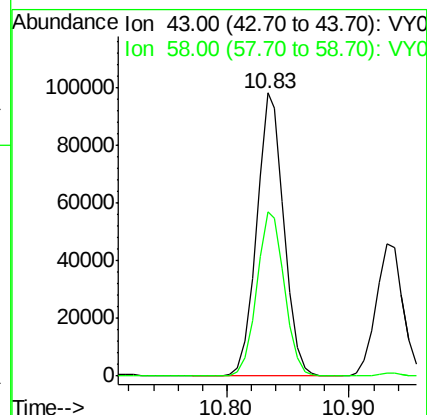
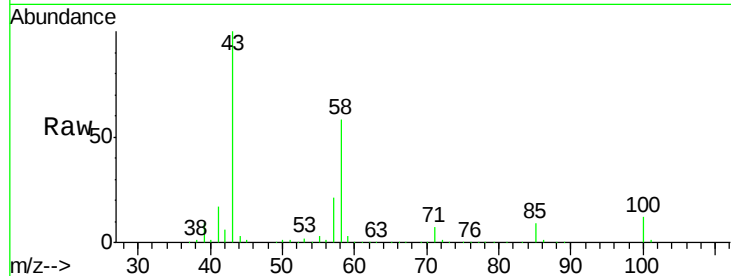




#59
2-Hexanone
Concen: 114.99 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

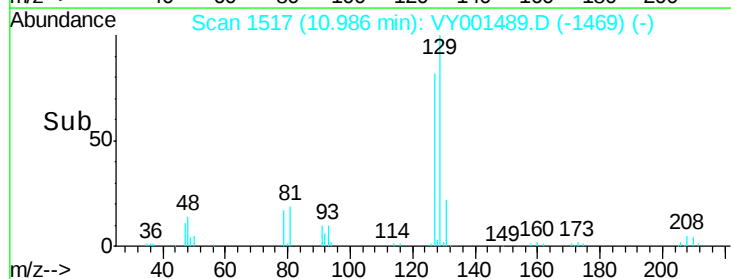
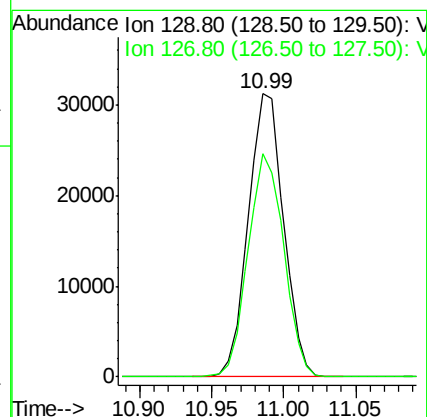
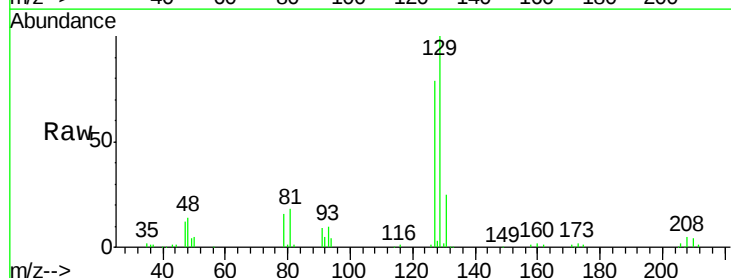
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

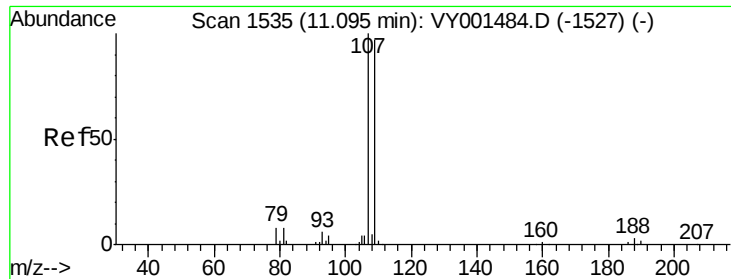
Tgt Ion: 43 Resp: 151994
Ion Ratio Lower Upper
43 100
58 58.9 29.0 87.0



#60
Dibromochloromethane
Concen: 21.05 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 129 Resp: 53029
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.6

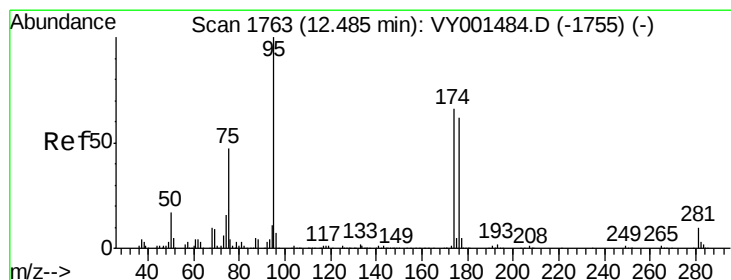
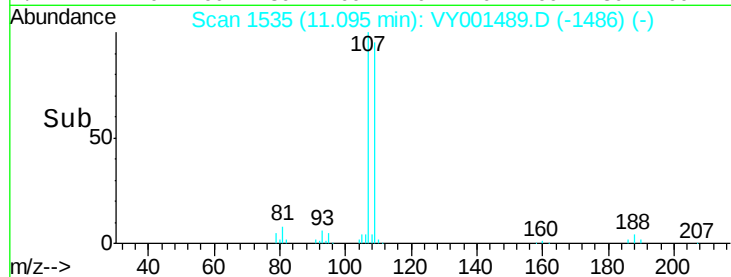
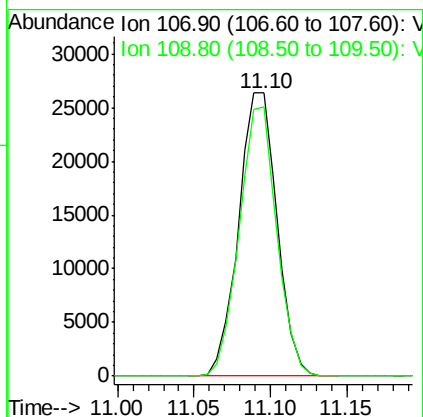
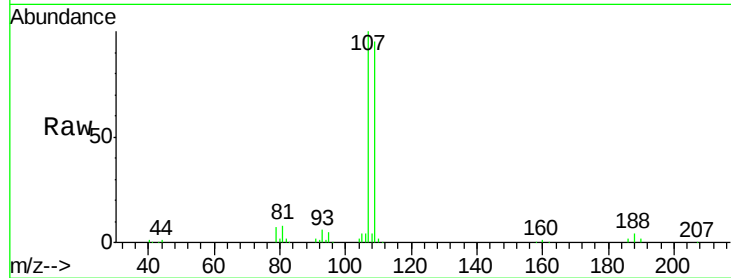




#61
 1,2-Dibromoethane
 Concen: 21.82 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

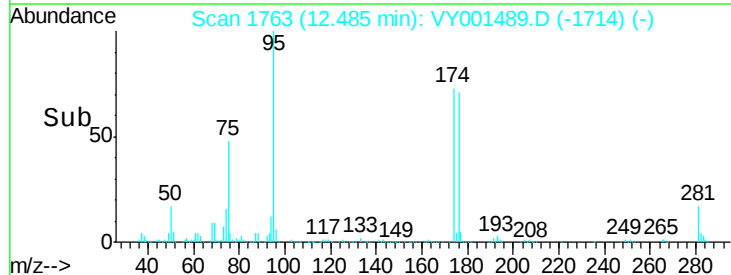
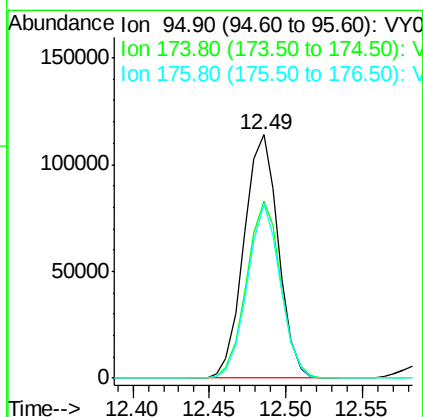
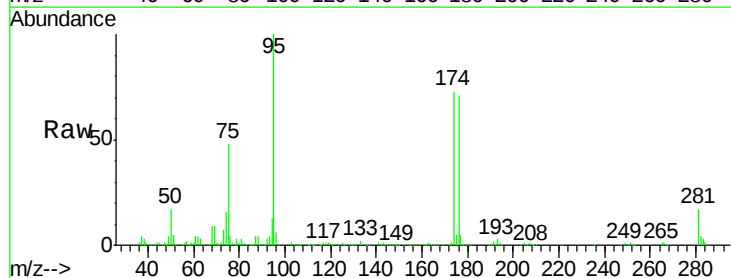
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

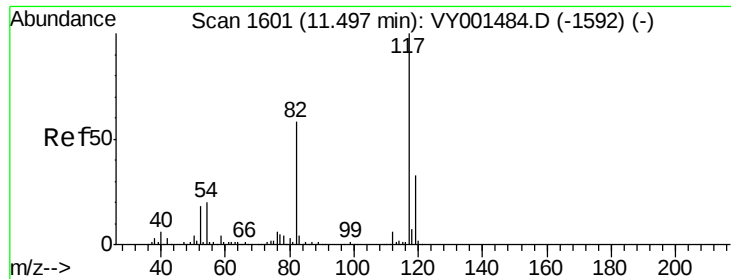
Tgt Ion: 107 Resp: 45926
 Ion Ratio Lower Upper
 107 100
 109 92.9 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 49.06 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion: 95 Resp: 177513
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 141.4
 176 69.1 0.0 135.4

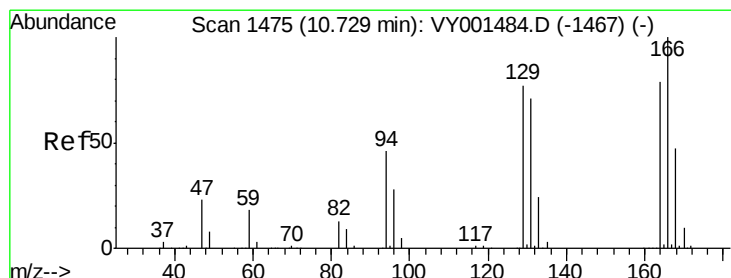
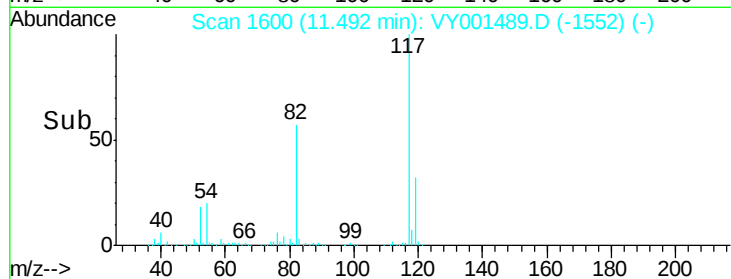
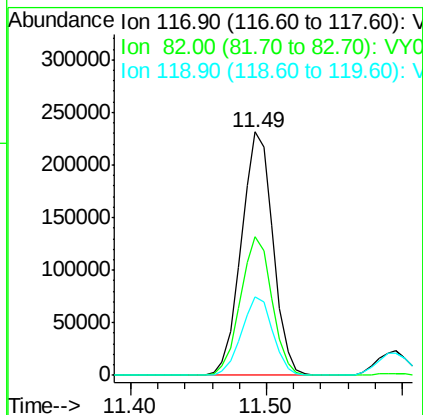
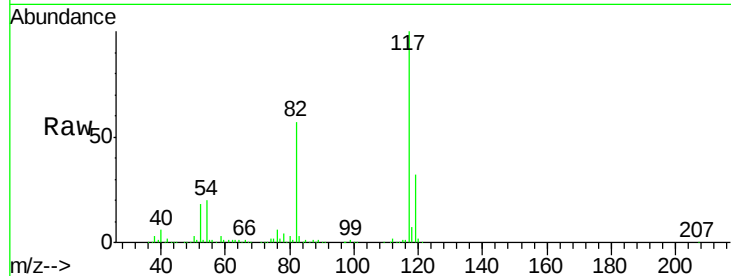




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

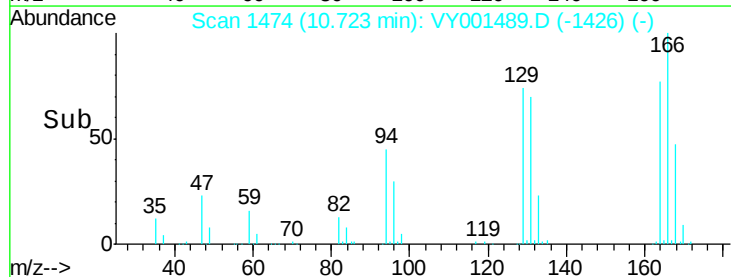
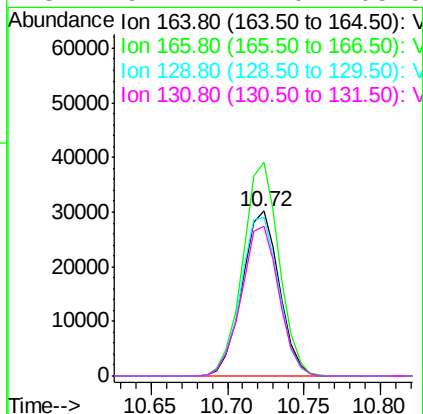
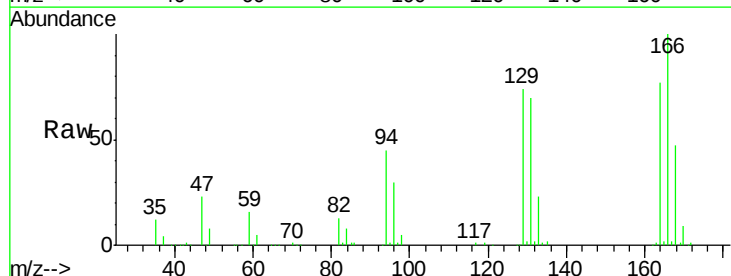
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

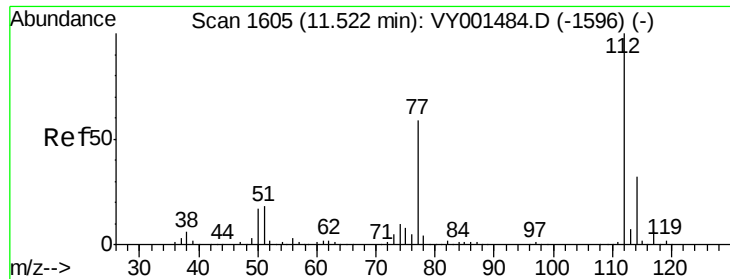
Tgt Ion:117 Resp: 375030
Ion Ratio Lower Upper
117 100
82 56.8 46.1 69.1
119 32.1 26.1 39.1



#64
Tetrachloroethene
Concen: 20.57 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion:164 Resp: 50587
Ion Ratio Lower Upper
164 100
166 129.8 100.8 151.2
129 96.1 77.8 116.6
131 91.1 72.0 108.0

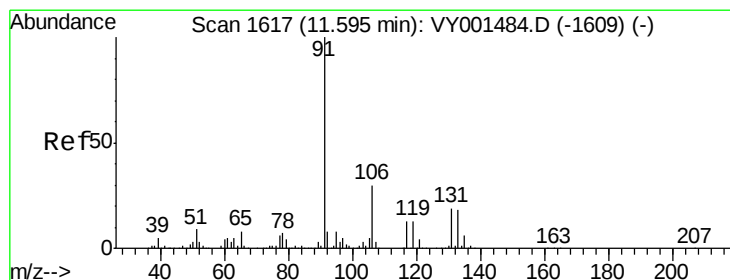
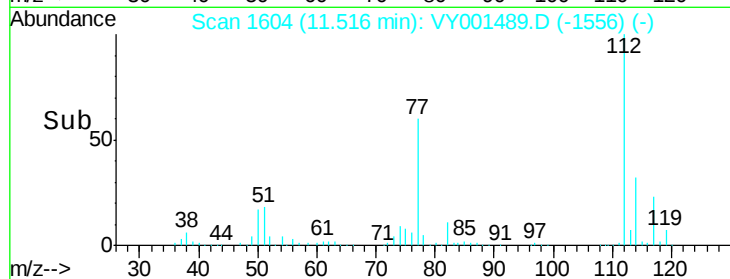
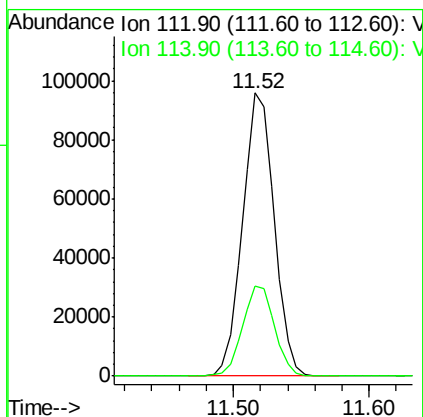
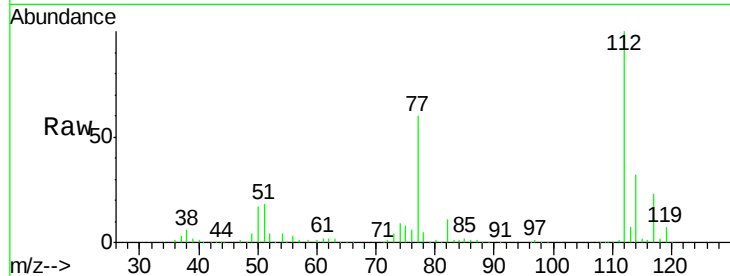




#65
Chlorobenzene
Concen: 21.16 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

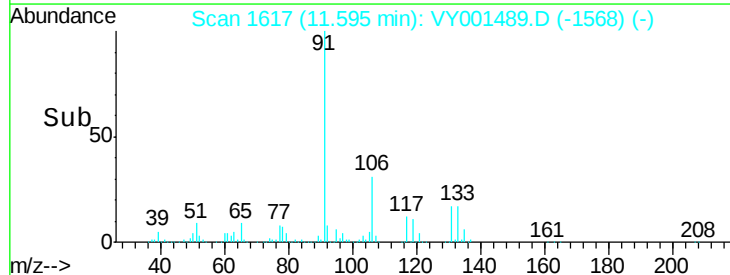
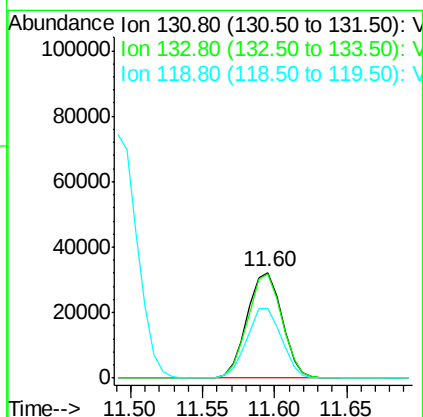
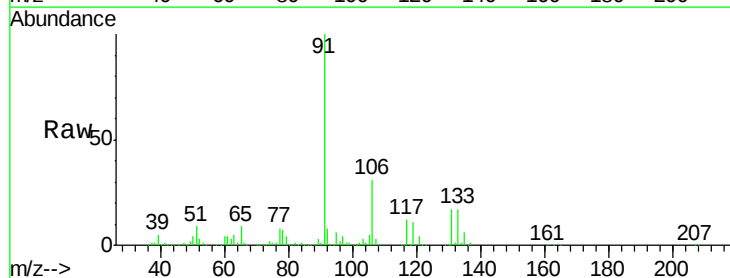
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

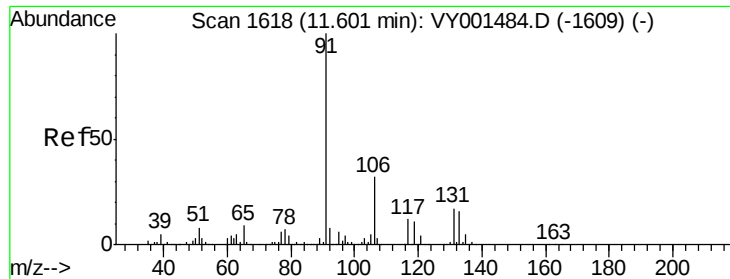
Tgt Ion:112 Resp: 155827
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.09 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion:131 Resp: 54345
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.8
119 65.8 33.7 101.0





#67

Ethyl Benzene

Concen: 20.94 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

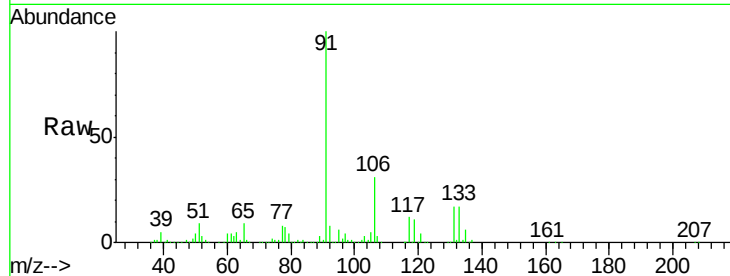
VY0204SBS01

Tgt Ion: 91 Resp: 285042

Ion Ratio Lower Upper

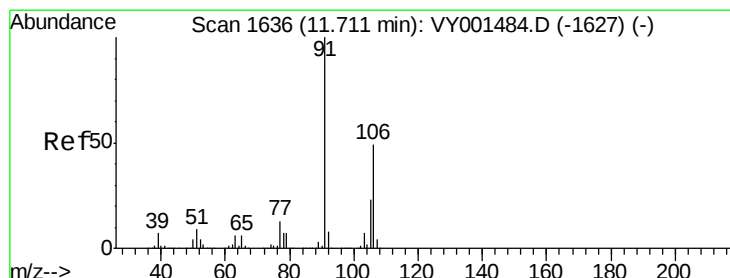
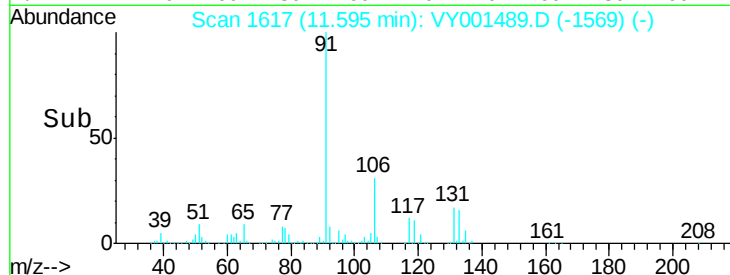
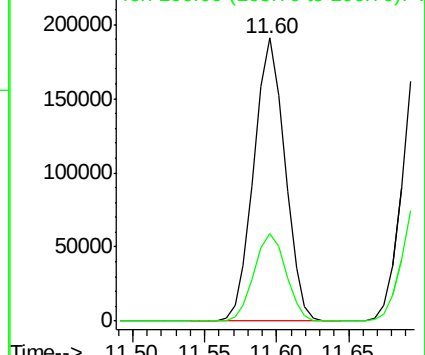
91 100

106 31.1 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.57 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001489.D

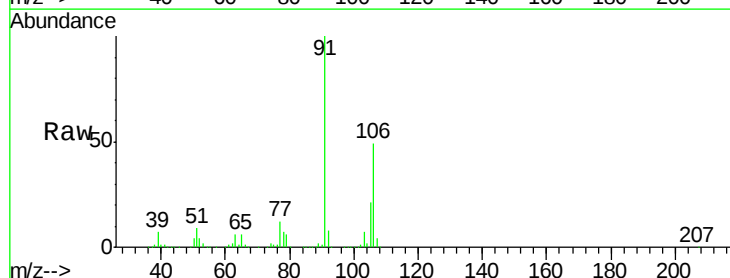
Acq: 04 Feb 2020 16:15

Tgt Ion: 106 Resp: 217593

Ion Ratio Lower Upper

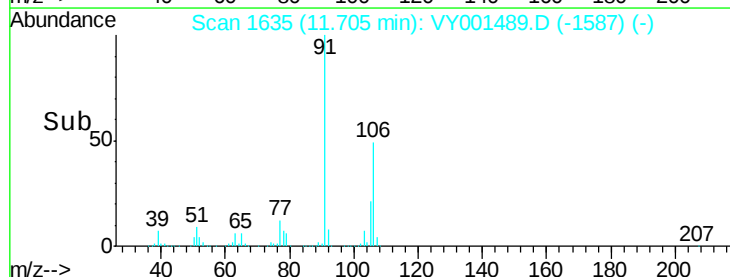
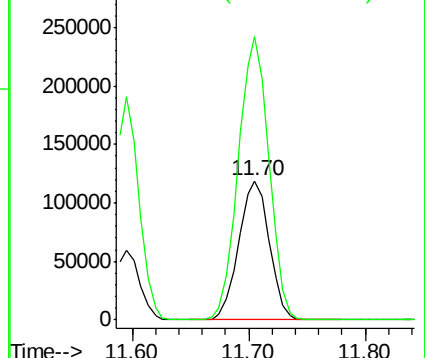
106 100

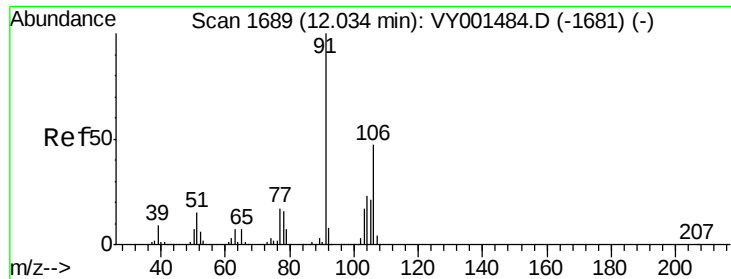
91 203.8 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

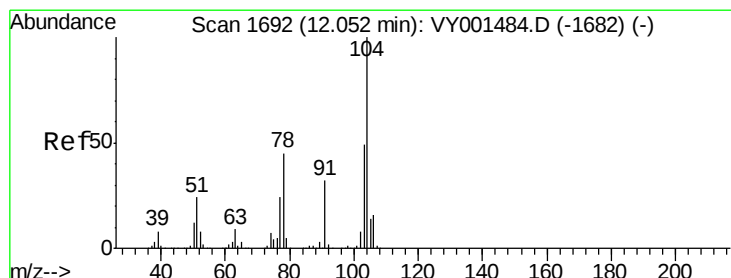
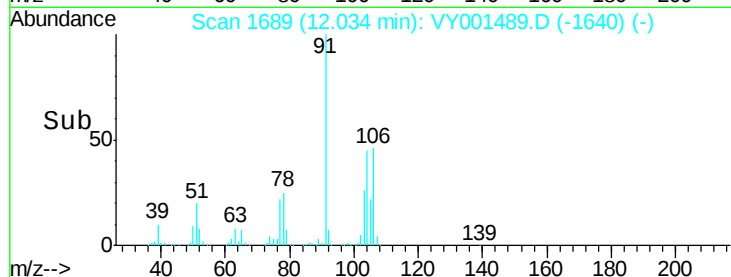
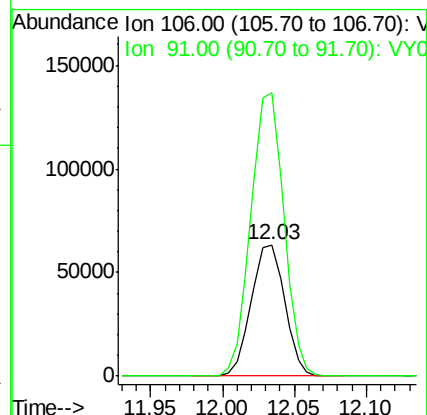
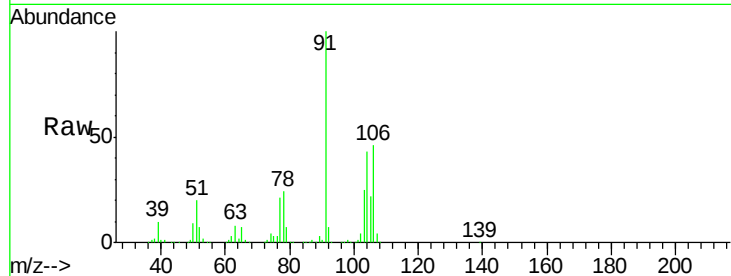




#69
o-Xylene
Concen: 21.19 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

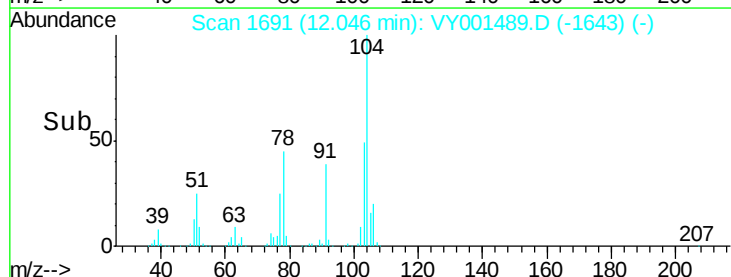
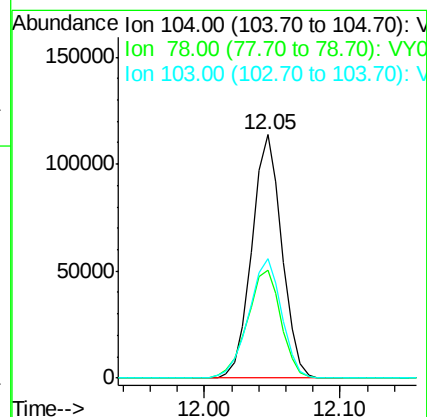
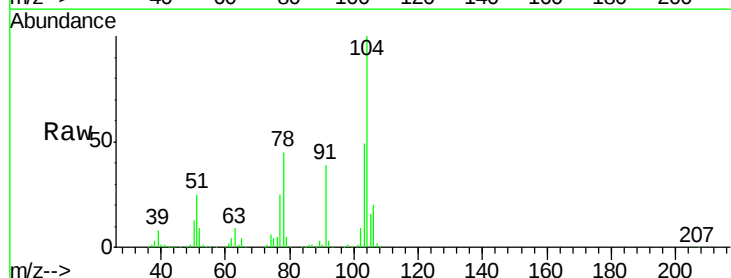
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

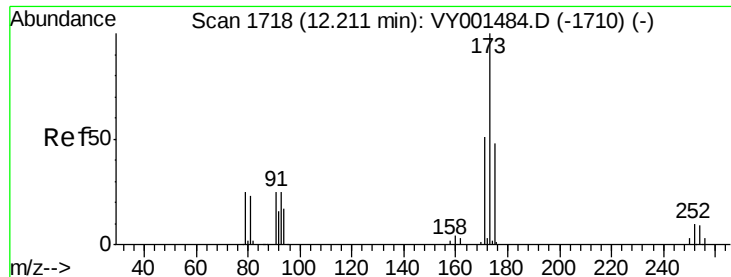
Tgt Ion:106 Resp: 102127
Ion Ratio Lower Upper
106 100
91 213.1 106.0 318.0



#70
Styrene
Concen: 21.12 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion:104 Resp: 175987
Ion Ratio Lower Upper
104 100
78 49.6 40.4 60.6
103 53.5 42.8 64.2





#71

Bromoform

Concen: 21.79 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

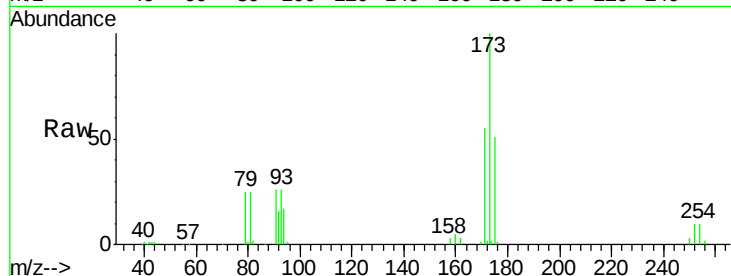
Tgt Ion:173 Resp: 31273

Ion Ratio Lower Upper

173 100

175 49.9 24.0 72.0

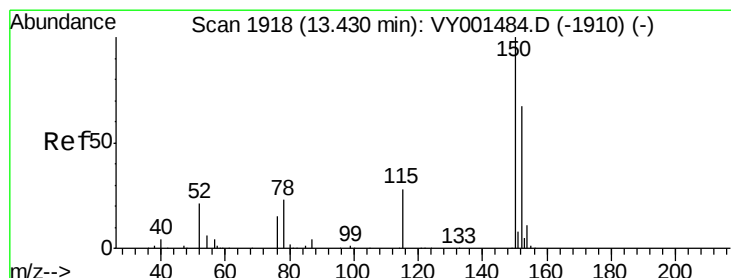
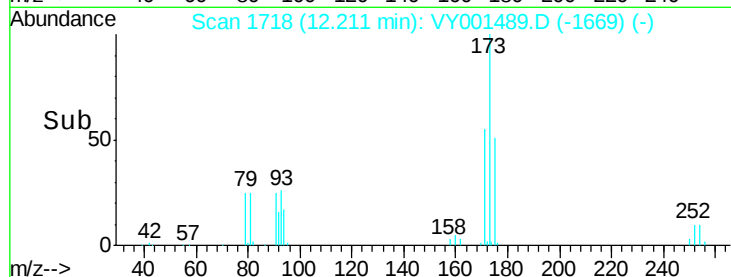
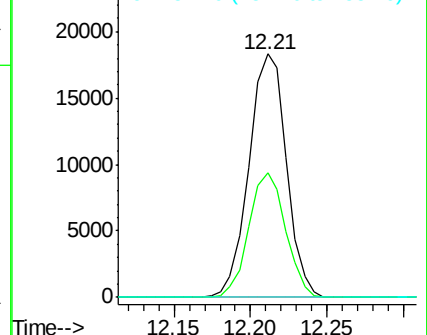
254 0.0 0.1 0.1#



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: VY001489.D

Acq: 04 Feb 2020 16:15

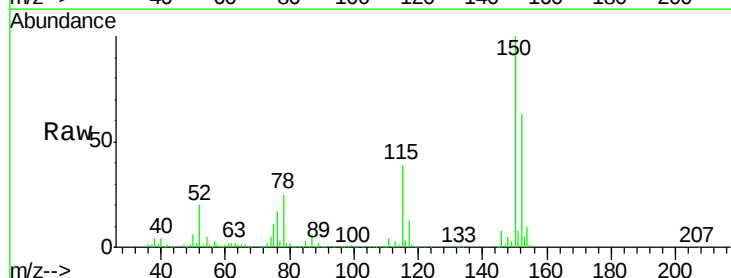
Tgt Ion:152 Resp: 175334

Ion Ratio Lower Upper

152 100

115 64.0 31.4 94.3

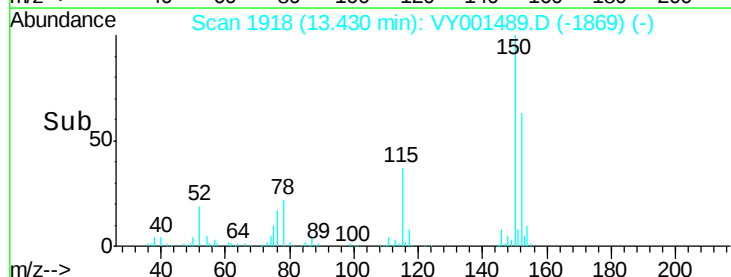
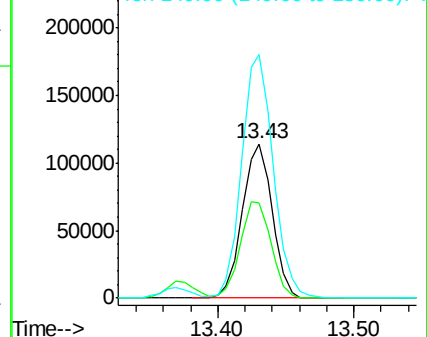
150 166.2 0.0 346.8

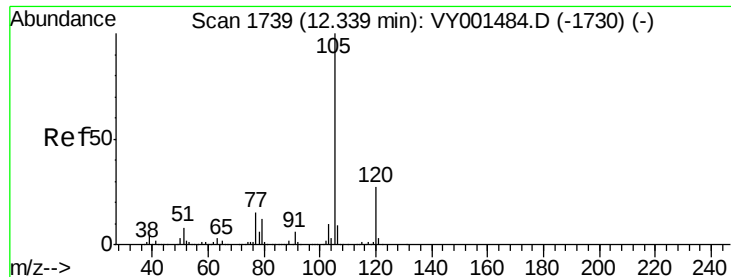


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.48 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

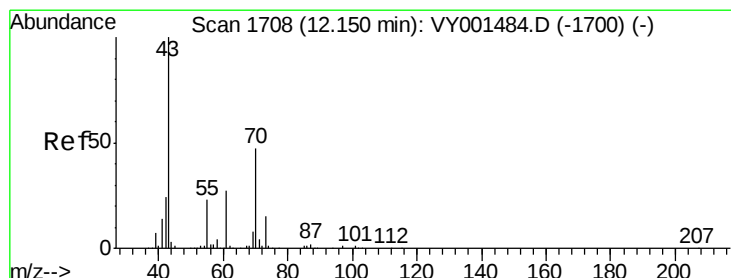
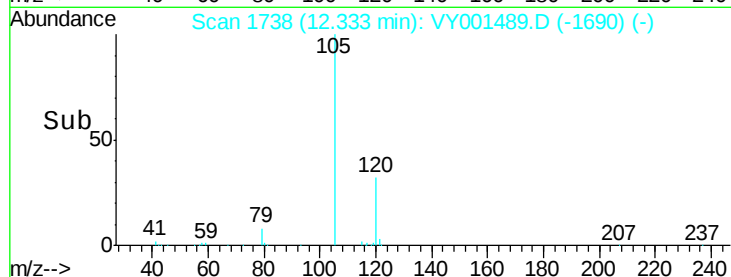
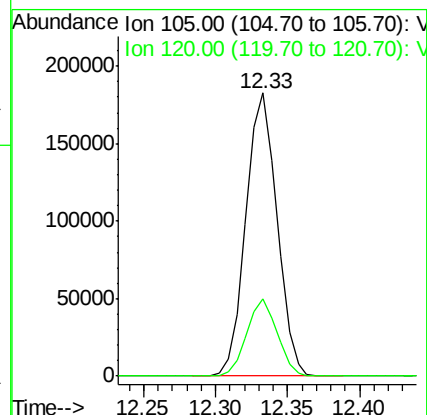
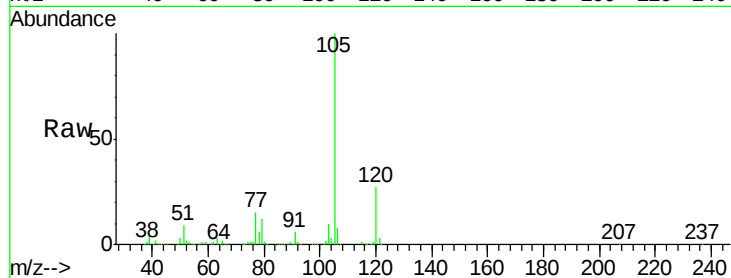
VY0204SBS01

Tgt Ion: 105 Resp: 273893

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 22.10 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Tgt Ion: 43 Resp: 76811

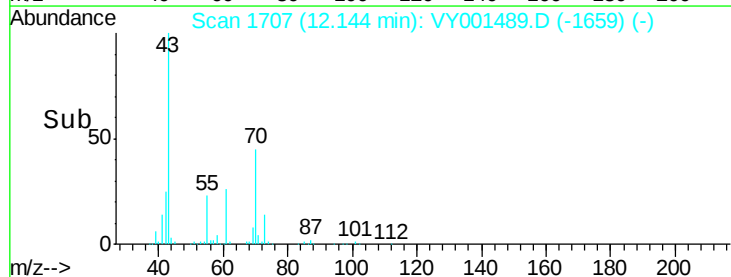
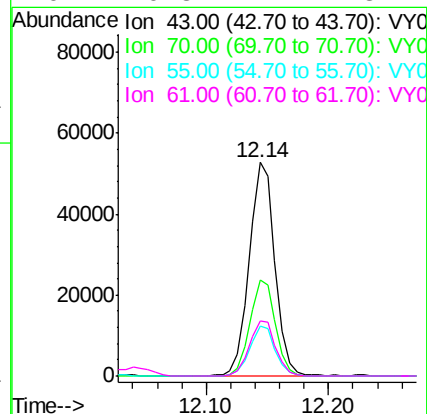
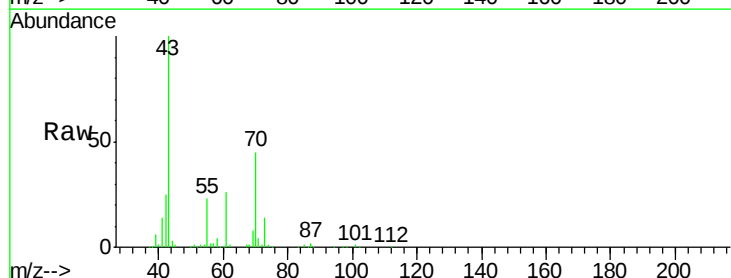
Ion Ratio Lower Upper

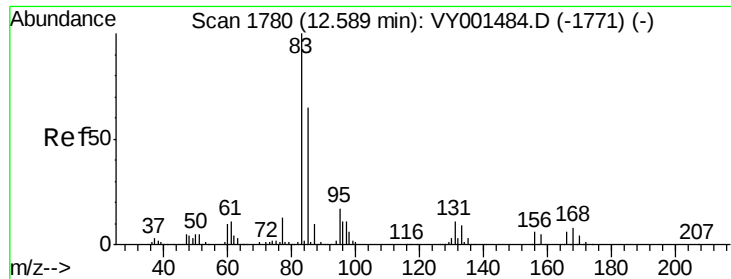
43 100

70 45.0 37.2 55.8

55 23.5 18.8 28.2

61 26.3 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.96 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

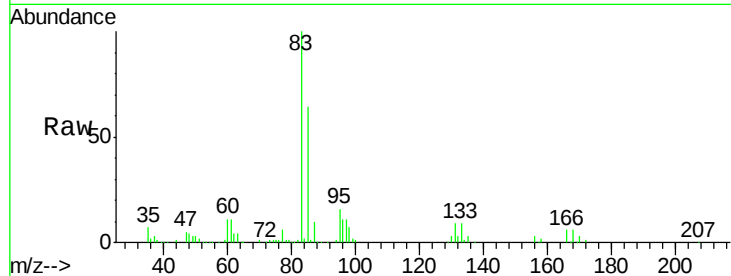
Tgt Ion: 83 Resp: 55786

Ion Ratio Lower Upper

83 100

131 10.6 5.4 16.2

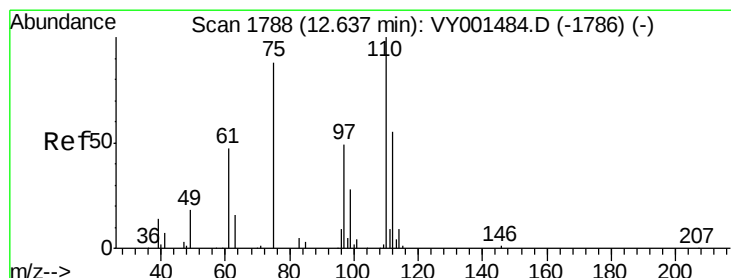
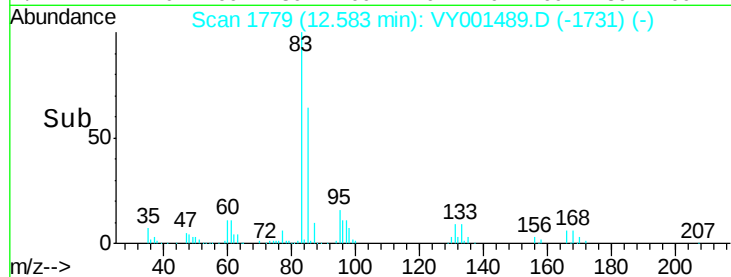
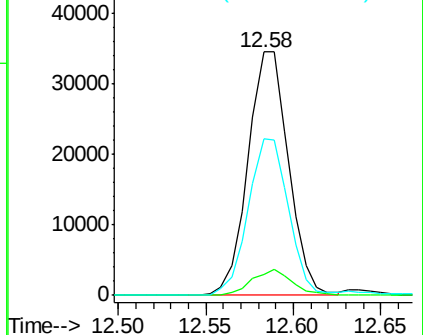
85 64.2 32.0 96.0



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: 39.99 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY001489.D

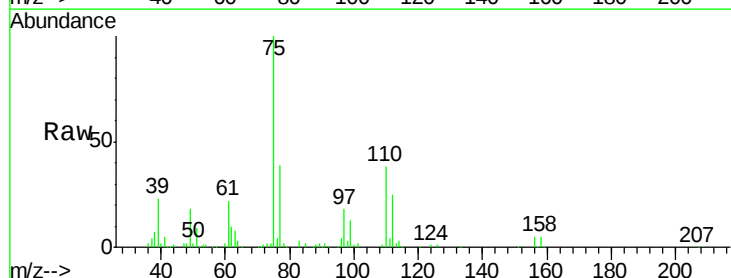
Acq: 04 Feb 2020 16:15

Tgt Ion: 75 Resp: 75401

Ion Ratio Lower Upper

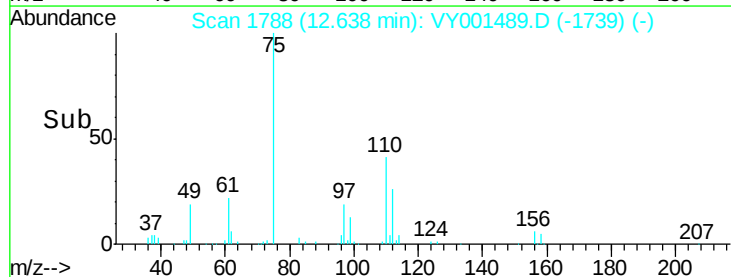
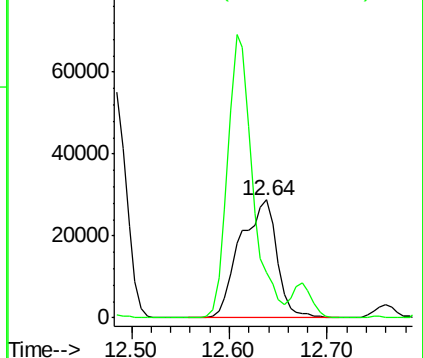
75 100

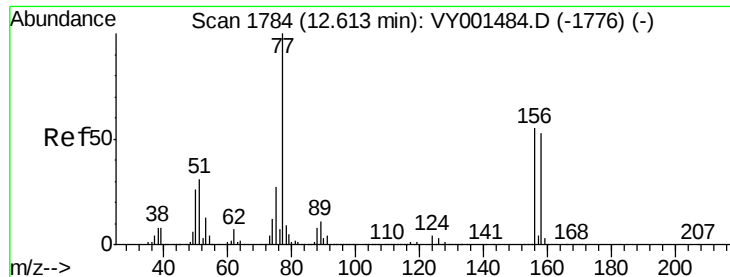
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 21.22 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

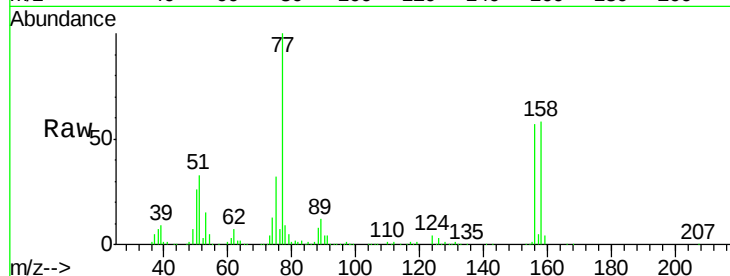
Tgt Ion:156 Resp: 61407

Ion Ratio Lower Upper

156 100

77 201.7 99.8 299.3

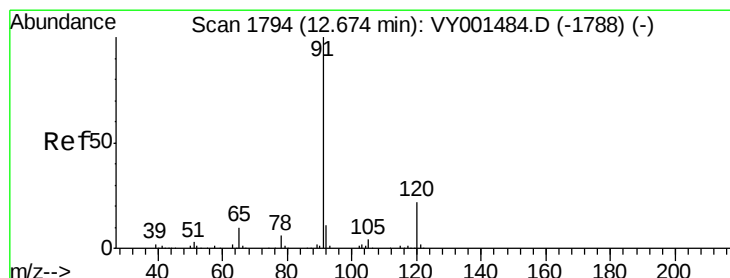
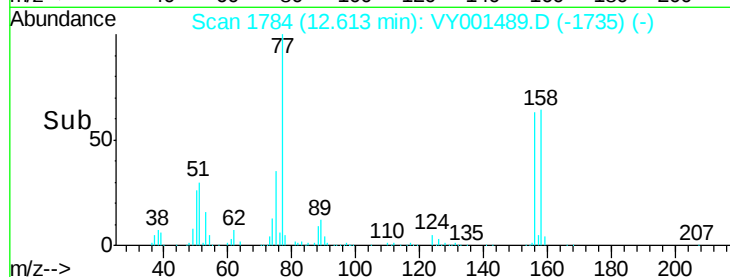
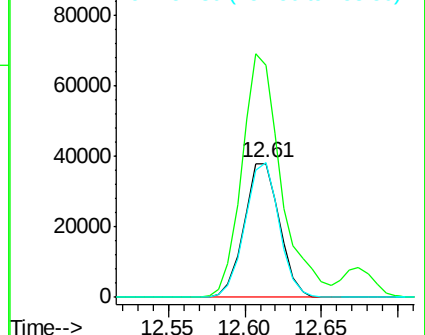
158 96.4 47.5 142.6



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: 20.50 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001489.D

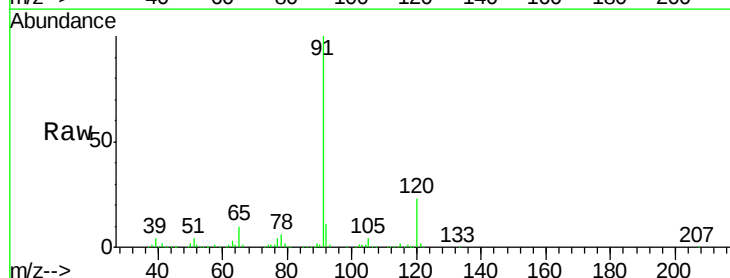
Acq: 04 Feb 2020 16:15

Tgt Ion: 91 Resp: 328159

Ion Ratio Lower Upper

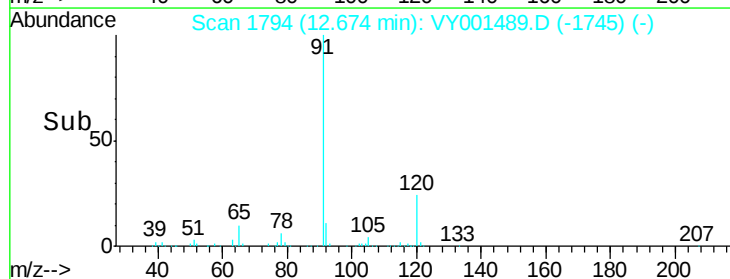
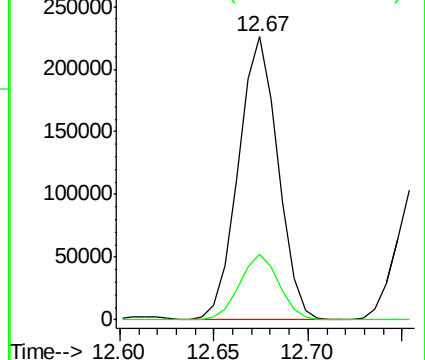
91 100

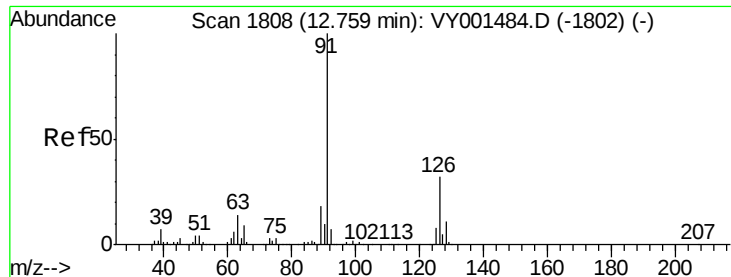
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.55 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

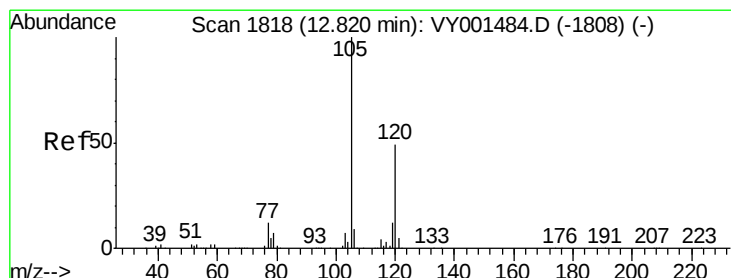
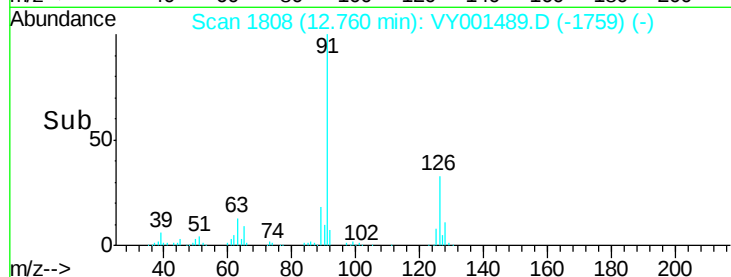
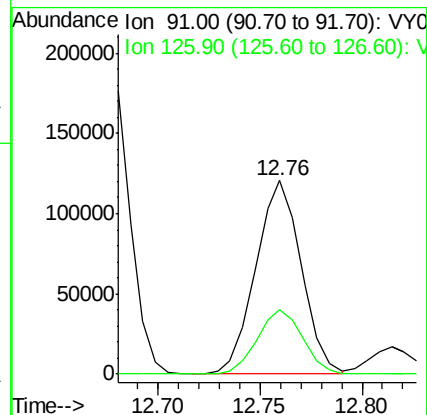
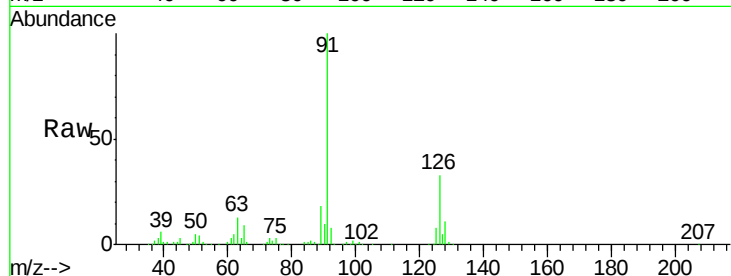
VY0204SBS01

Tgt Ion: 91 Resp: 187487

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 20.84 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001489.D

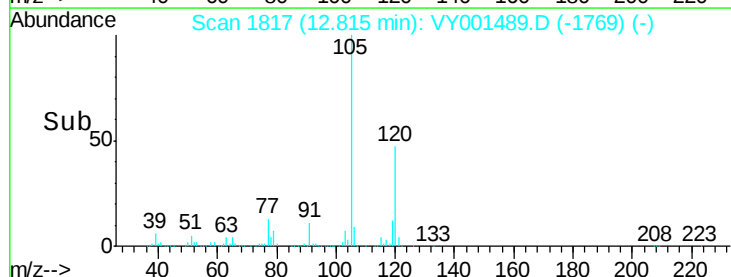
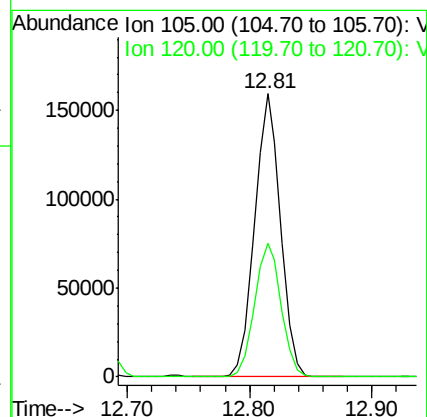
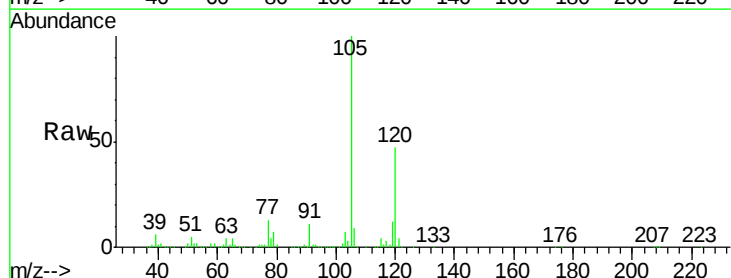
Acq: 04 Feb 2020 16:15

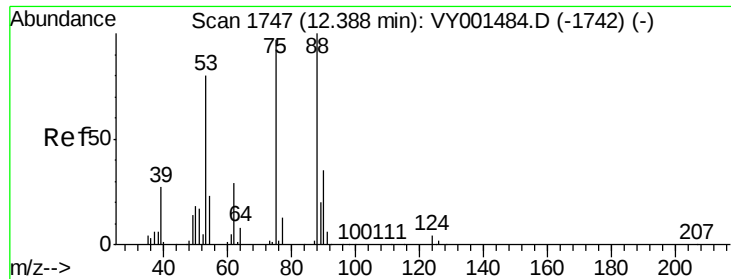
Tgt Ion: 105 Resp: 234739

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.68 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

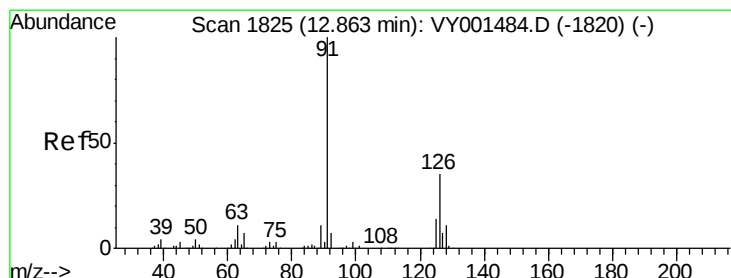
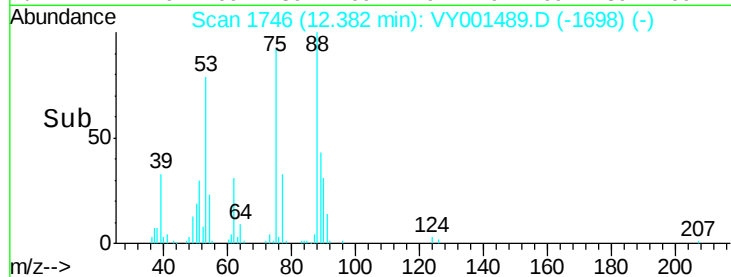
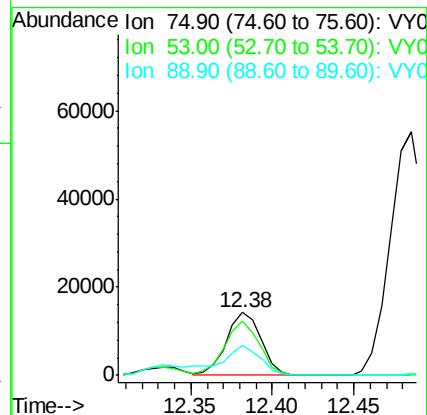
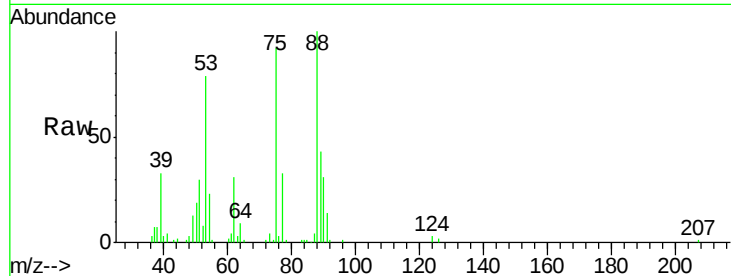
Tgt Ion: 75 Resp: 21130

Ion Ratio Lower Upper

75 100

53 86.0 67.7 101.5

89 43.7 34.6 52.0



#82

4-Chlorotoluene

Concen: 20.91 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001489.D

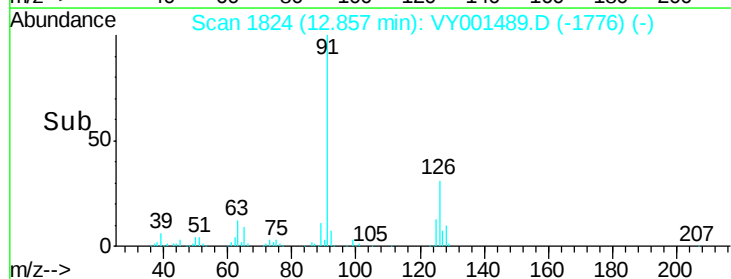
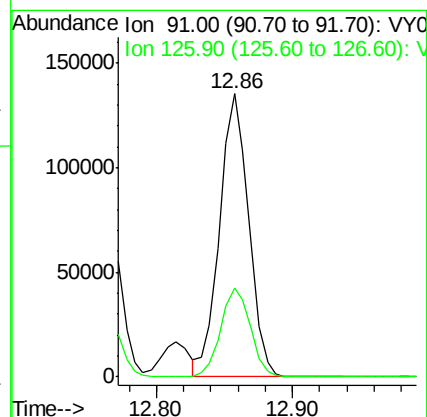
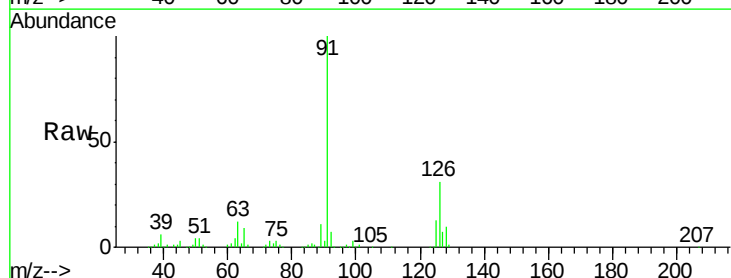
Acq: 04 Feb 2020 16:15

Tgt Ion: 91 Resp: 200058

Ion Ratio Lower Upper

91 100

126 32.0 16.5 49.5

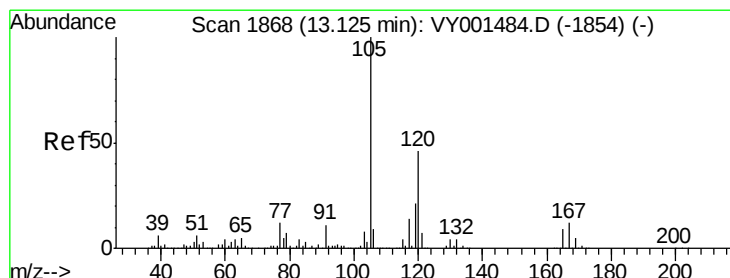
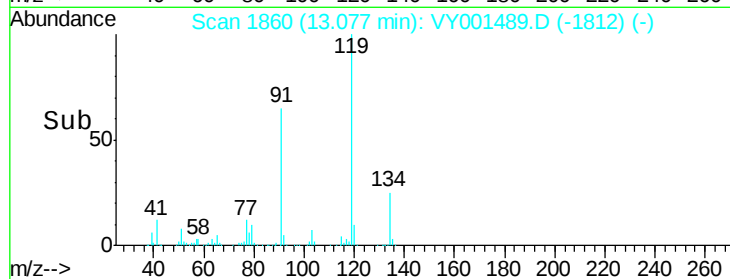
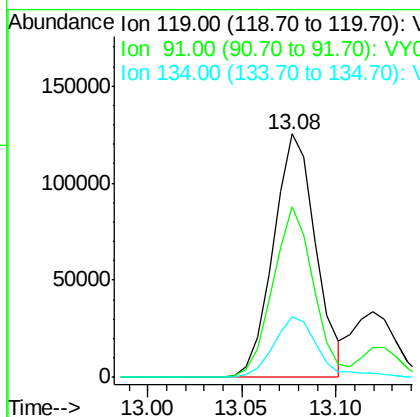
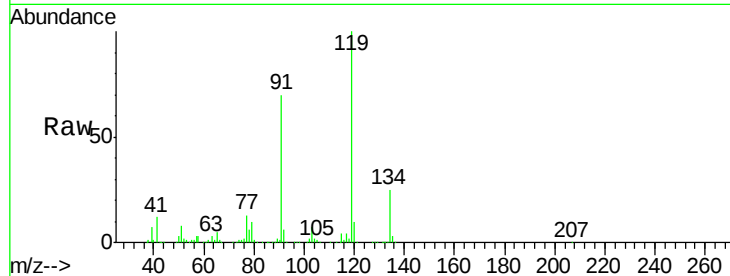




#83
 tert-Butylbenzene
 Concen: 20.59 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

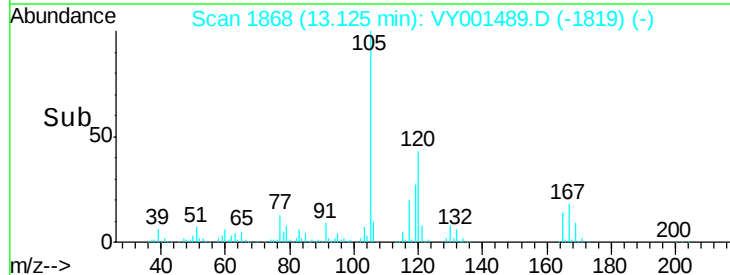
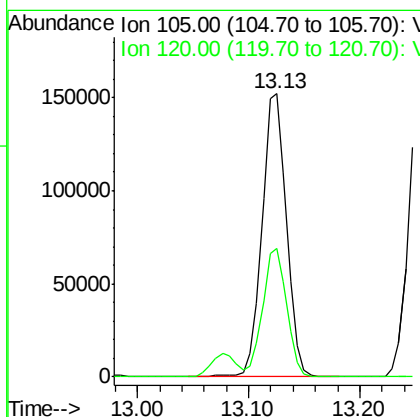
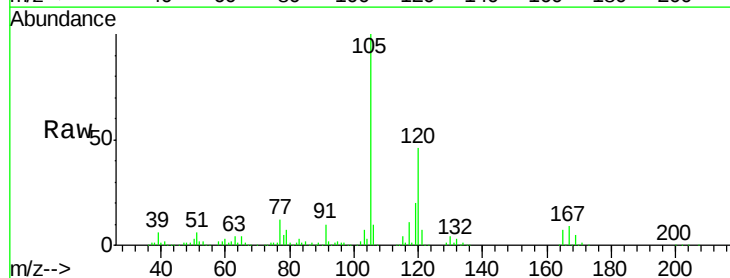
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

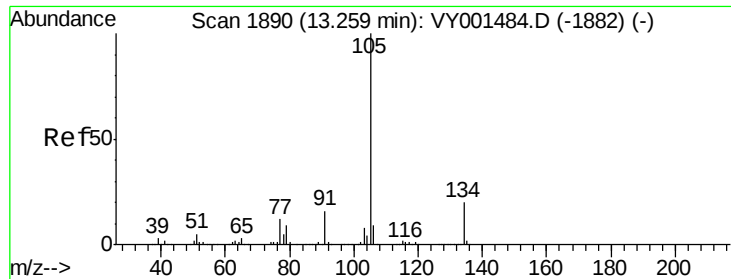
Tgt Ion:119 Resp: 196010
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.1 99.3
 134 26.5 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.97 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion:105 Resp: 233725
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0

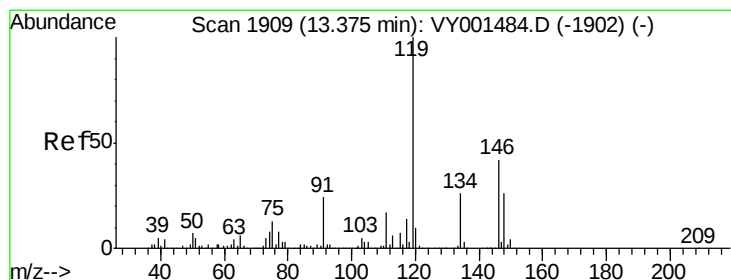
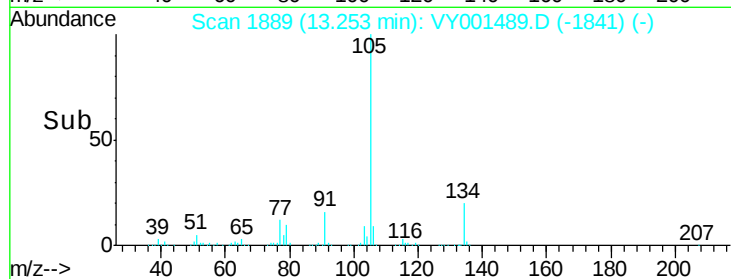
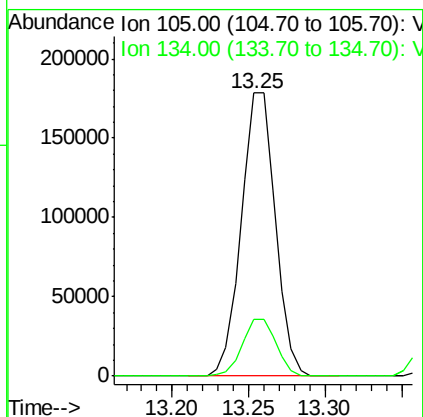
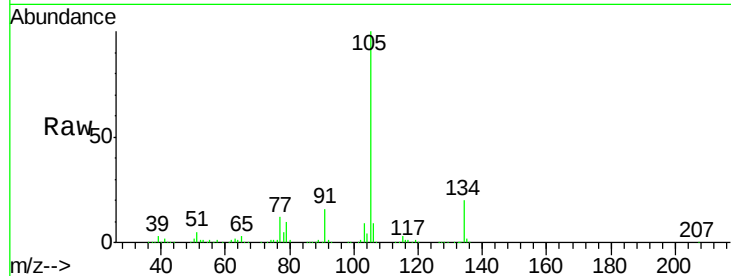




#85
 sec-Butylbenzene
 Concen: 20.59 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

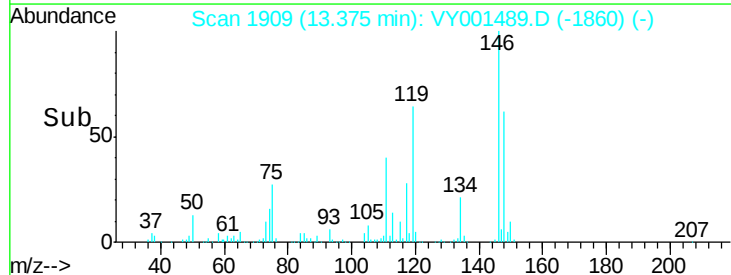
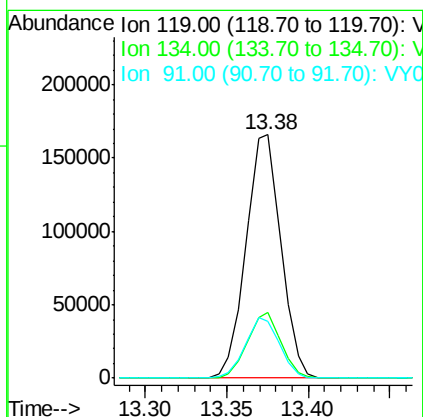
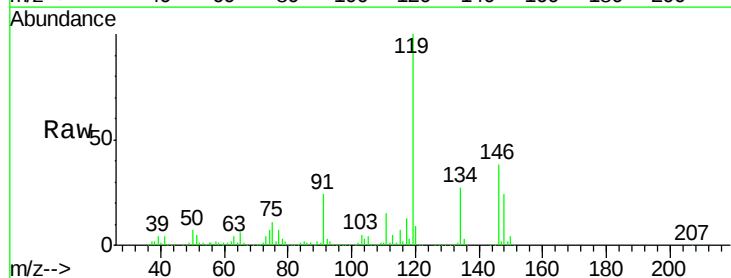
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

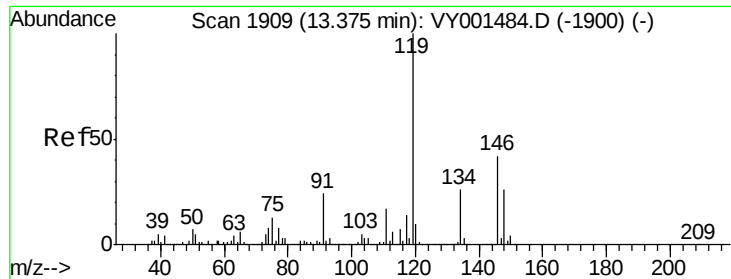
Tgt Ion:105 Resp: 275604
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 20.98 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion:119 Resp: 247451
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.3 39.8
 91 24.4 12.2 36.6

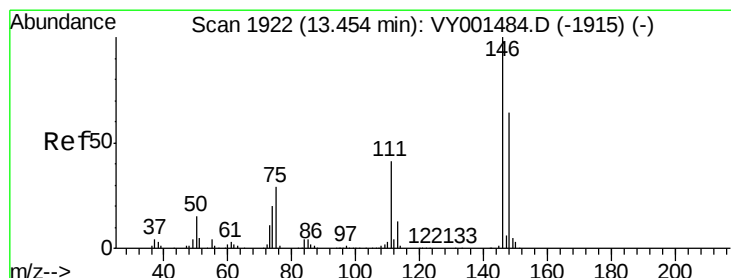
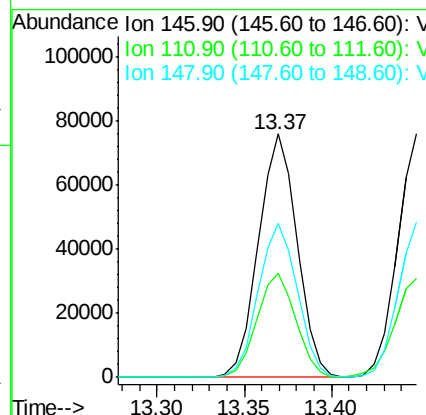
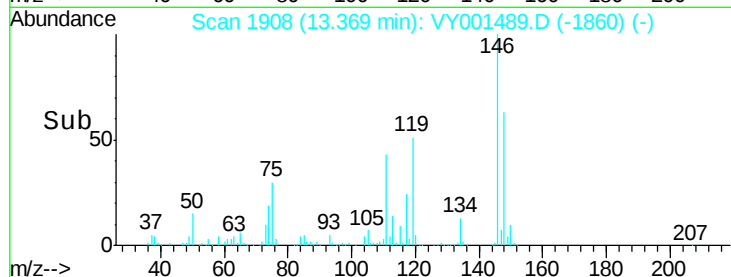
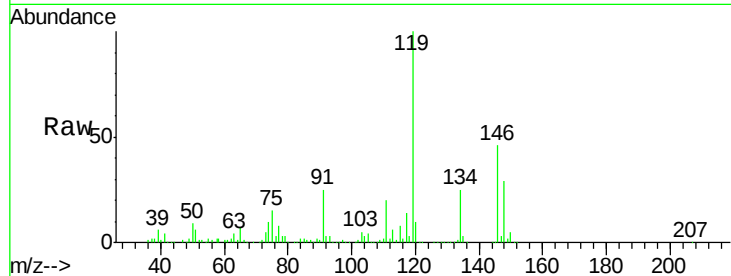




#87
 1,3-Dichlorobenzene
 Concen: 20.96 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

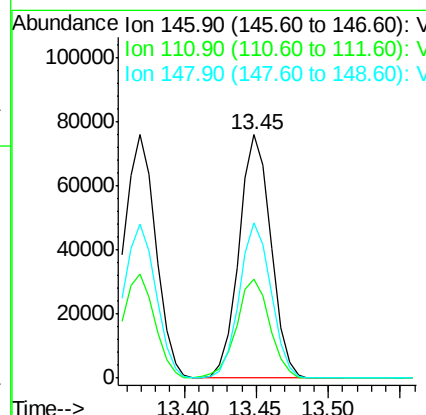
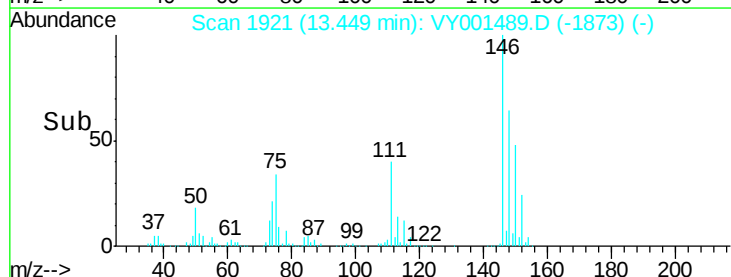
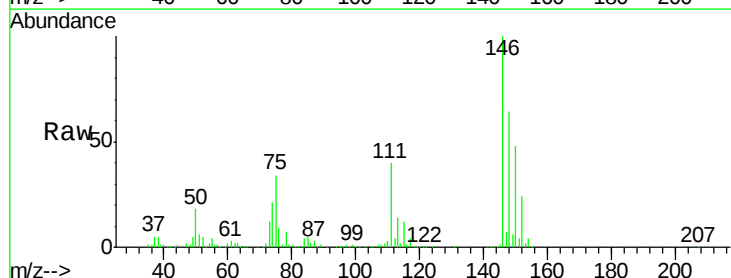
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

Tgt Ion:146 Resp: 116253
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.3 63.9
 148 64.0 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 21.07 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion:146 Resp: 117082
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.7 62.1
 148 63.7 32.1 96.5

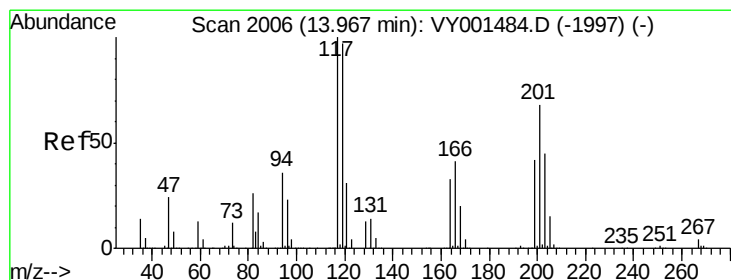
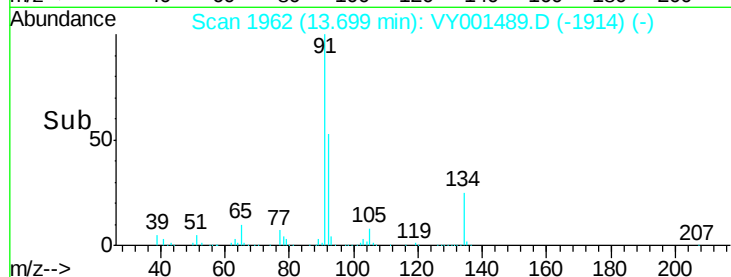
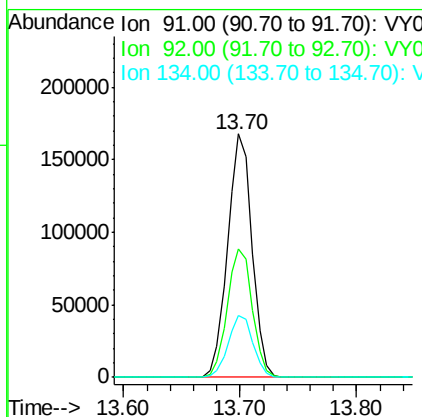
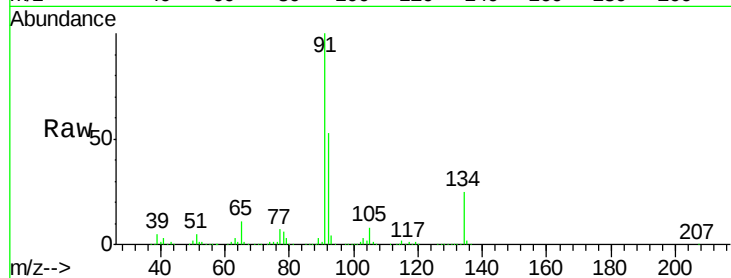




#89
n-Butylbenzene
Concen: 20.89 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

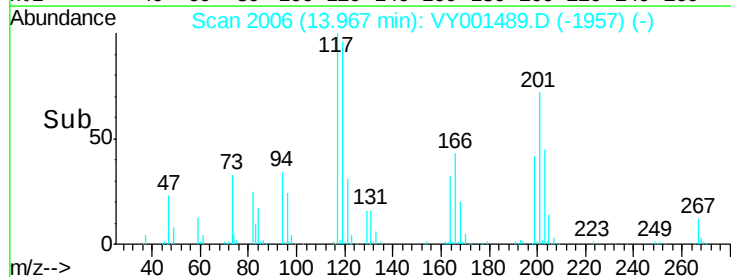
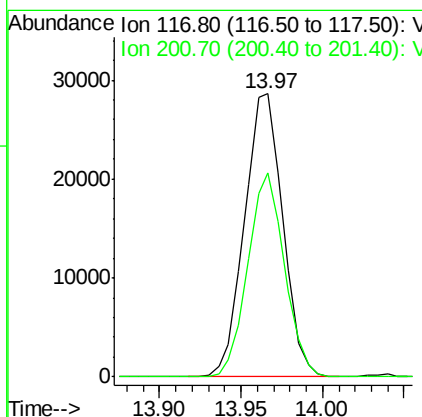
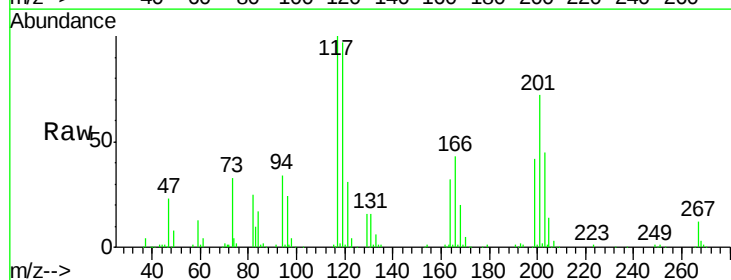
Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

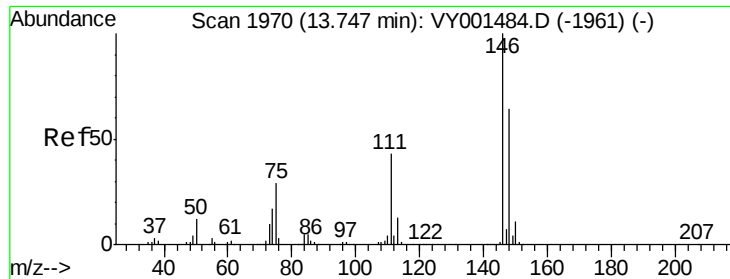
Tgt Ion: 91 Resp: 243118
Ion Ratio Lower Upper
91 100
92 54.0 27.3 81.9
134 25.7 13.0 38.9



#90
Hexachloroethane
Concen: 20.68 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion: 117 Resp: 46806
Ion Ratio Lower Upper
117 100
201 68.7 34.1 102.3

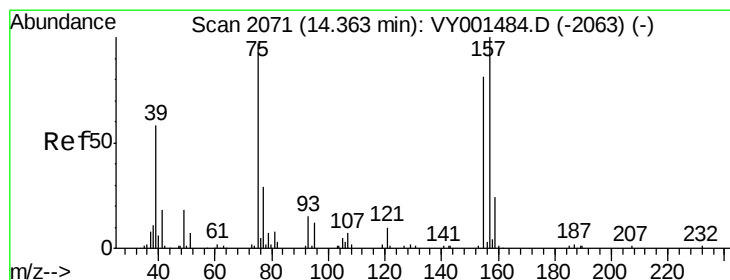
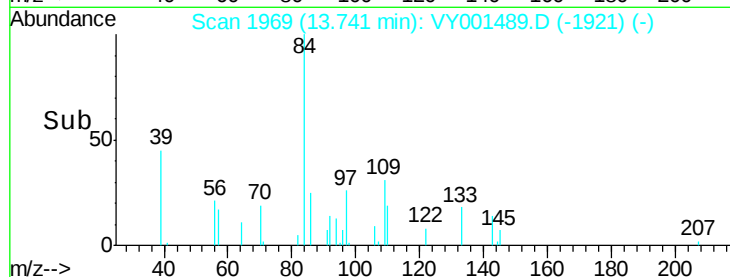
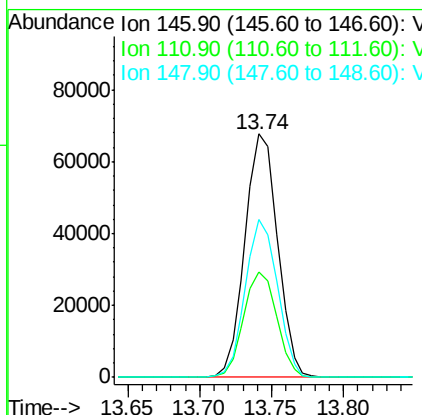
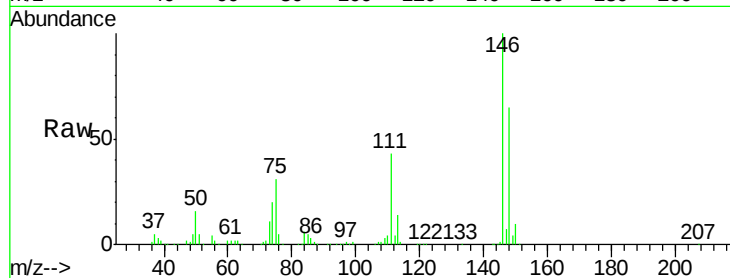




#91
 1,2-Dichlorobenzene
 Concen: 21.16 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

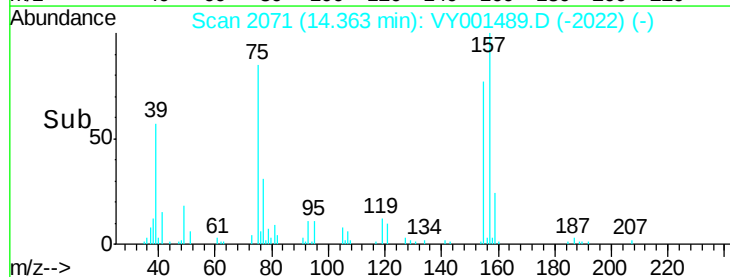
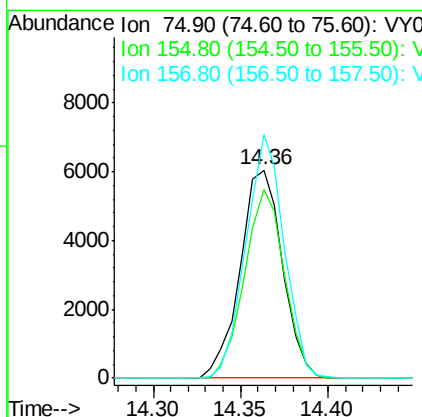
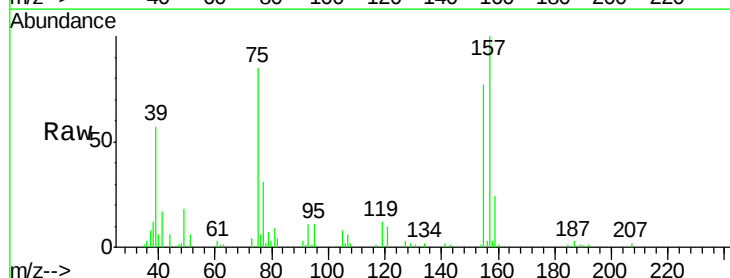
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0204SBS01

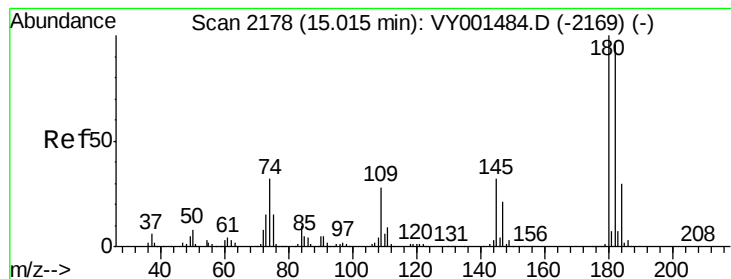
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	63.7	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.67 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001489.D
 Acq: 04 Feb 2020 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	40.7	122.1
157	105.8	52.3	157.1





#93

1,2,4-Trichlorobenzene

Concen: 21.25 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0204SBS01

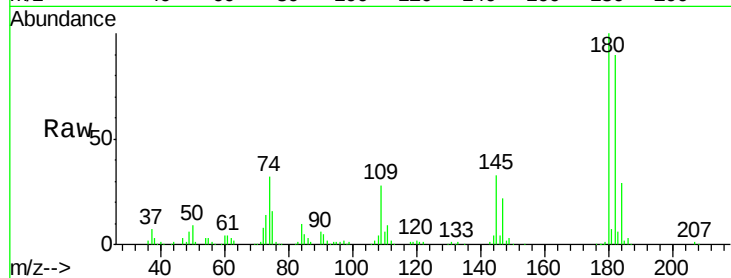
Tgt Ion:180 Resp: 71968

Ion Ratio Lower Upper

180 100

182 94.4 46.9 140.7

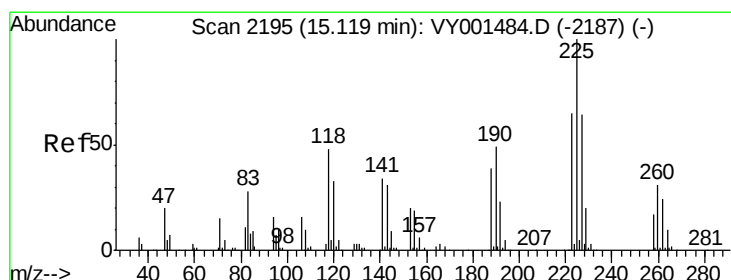
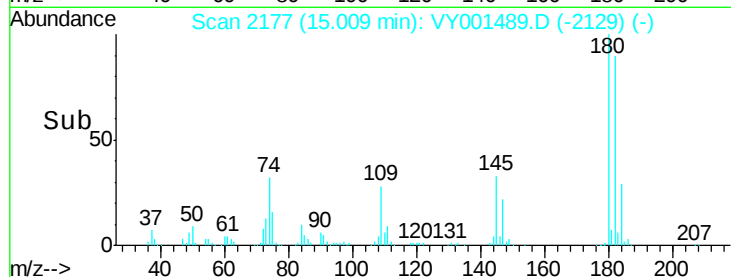
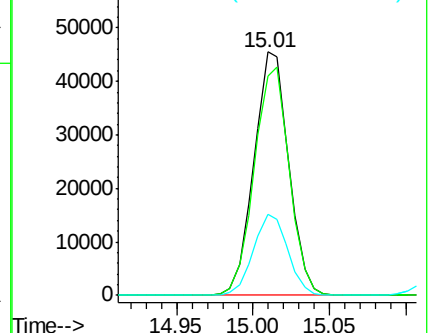
145 33.1 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.35 ug/l

RT: 15.11 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VY001489.D

Acq: 04 Feb 2020 16:15

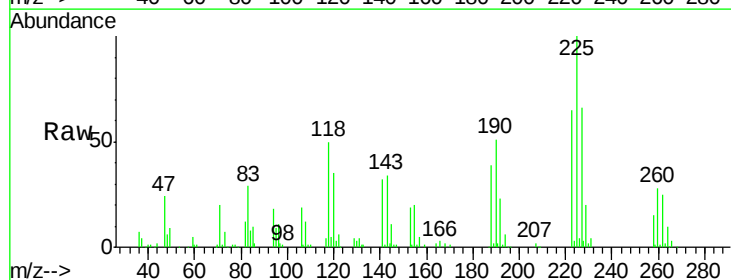
Tgt Ion:225 Resp: 34981

Ion Ratio Lower Upper

225 100

223 64.6 31.9 95.7

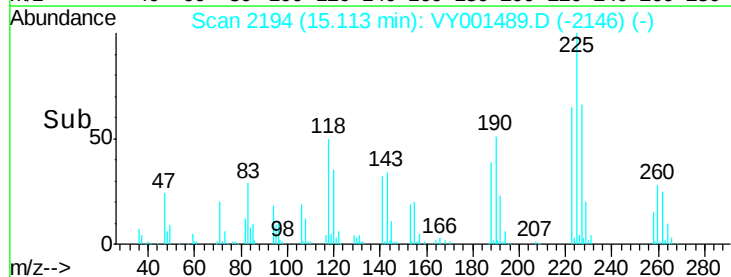
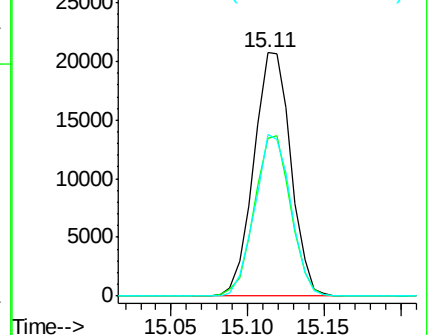
227 64.7 32.6 97.7

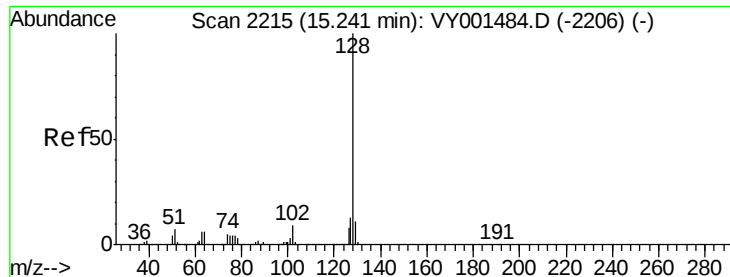


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

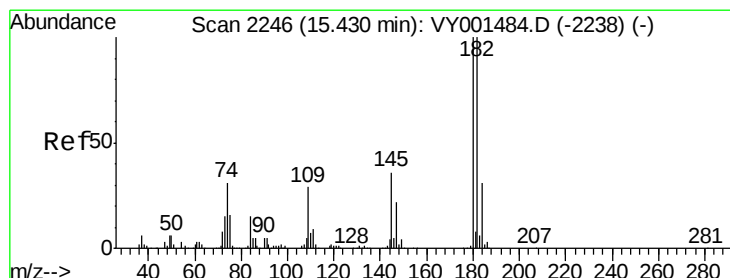
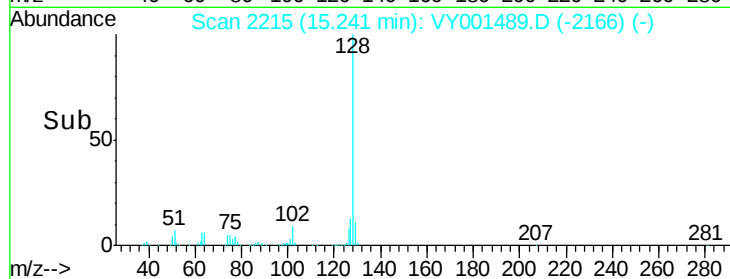
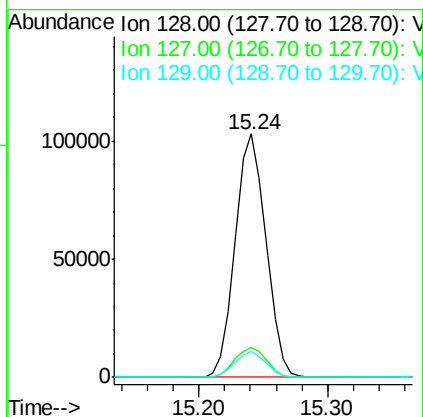
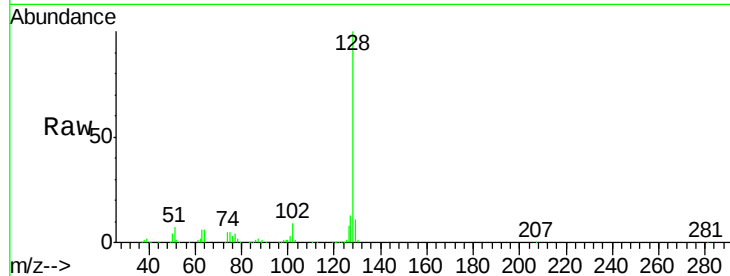




#95
Naphthalene
Concen: 21.52 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0204SBS01

Tgt Ion:128 Resp: 171290
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.35 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001489.D
Acq: 04 Feb 2020 16:15

Tgt Ion:180 Resp: 63832
Ion Ratio Lower Upper
180 100
182 96.3 48.0 144.2
145 35.2 17.8 53.5

