

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110519\
 Data File : VY000535.D
 Acq On : 05 Nov 2019 13:07
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV821

Quant Time: Nov 06 07:03:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 07:01:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	395825	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	363756	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	177486	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	154888	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.72%
7) Chloroethane-d5	2.76	69	127199	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.84%
11) 1,1-Dichloroethene-d2	3.85	63	252237	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.40%
21) 2-Butanone-d5	6.89	46	115444	43.60	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.20%
24) Chloroform-d	7.49	84	245837	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.15	65	146746	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.24%
32) Benzene-d6	8.12	84	512206	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	9.13	67	162201	25.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.20%
41) Toluene-d8	10.18	98	477452	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.68%
43) trans-1,3-Dichloropropene-	10.44	79	79528	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.32%
47) 2-Hexanone-d5	10.79	63	91976	45.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.68%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	162984	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
66) 1,2-Dichlorobenzene-d4	13.72	152	167430	24.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	122971	22.353	ug/L	100
3) Chloromethane	2.11	50	166101	22.994	ug/L	99
5) Vinyl chloride	2.25	62	162659	24.116	ug/L	98
6) Bromomethane	2.65	94	82806	26.817	ug/L	87
8) Chloroethane	2.80	64	96322	23.141	ug/L	94
9) Trichlorofluoromethane	3.13	101	220782	23.198	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	127500	23.073	ug/L	99
12) 1,1-Dichloroethene	3.87	96	121603	23.128	ug/L	90
13) Acetone	3.96	43	92658	36.682	ug/L	98
14) Carbon disulfide	4.19	76	403004	24.170	ug/L	99
15) Methyl Acetate	4.48	43	95147	21.138	ug/L	99
16) Methylene chloride	4.72	84	144802	22.448	ug/L	96
17) trans-1,2-Dichloroethene	5.22	96	139802	23.927	ug/L	93
18) Methyl tert-butyl Ether	5.22	73	382161	22.953	ug/L	100
19) 1,1-Dichloroethane	6.03	63	237521	23.192	ug/L	99
20) cis-1,2-Dichloroethene	6.99	96	151834	23.212	ug/L	90
22) 2-Butanone	6.99	43	152577	39.424	ug/L	98

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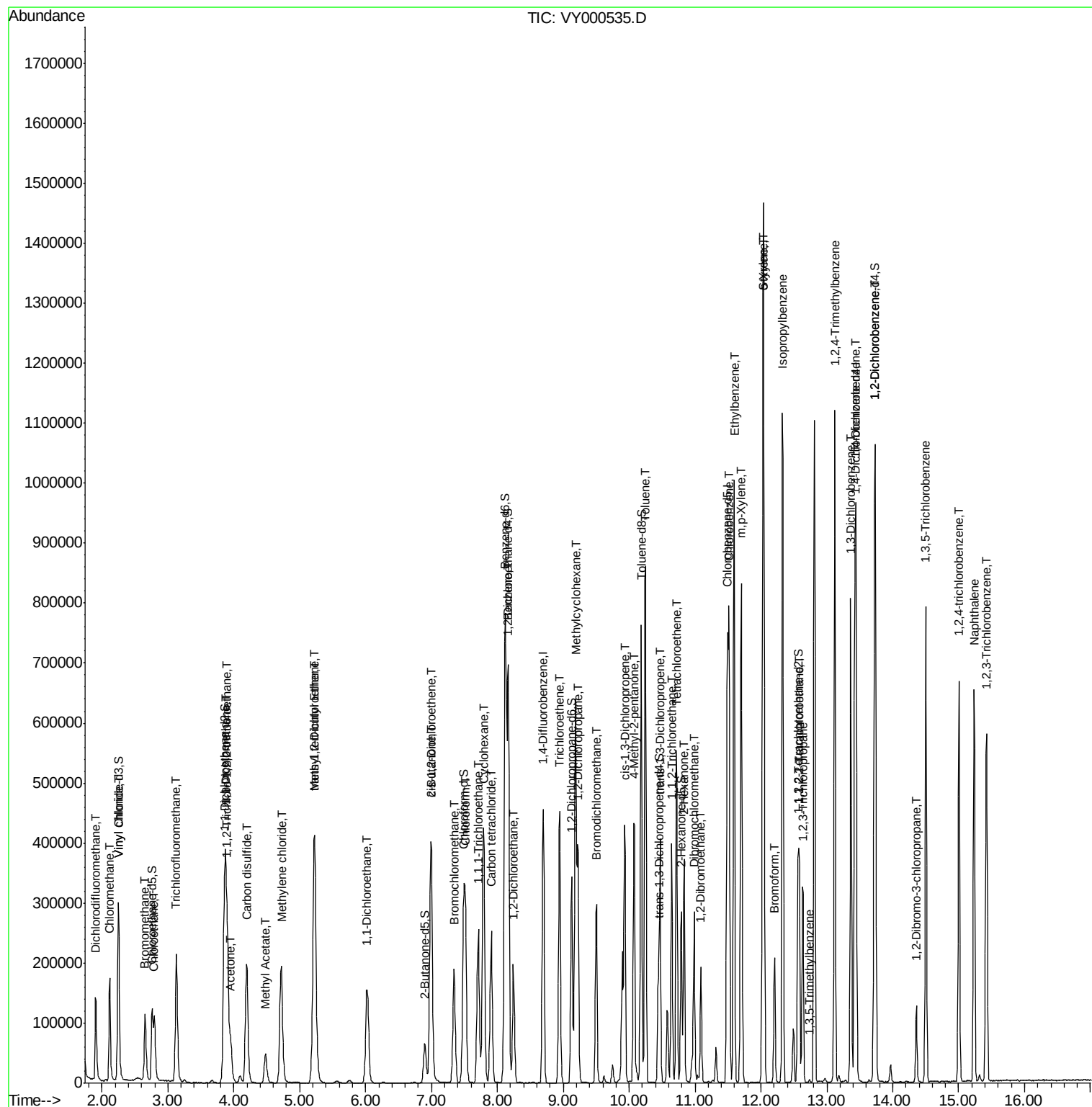
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	65167	22.161	ug/L	86
25) Chloroform	7.52	83	246643	23.318	ug/L	94
27) 1,2-Dichloroethane	8.24	62	175134	23.180	ug/L	99
29) Cyclohexane	7.79	56	241581	24.313	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	213398	24.320	ug/L	100
31) Carbon tetrachloride	7.91	117	190840	23.585	ug/L	100
33) Benzene	8.17	78	572313	23.956	ug/L	100
34) Trichloroethene	8.94	95	148649	23.578	ug/L	97
35) Methylcyclohexane	9.19	83	261486	24.145	ug/L	97
37) 1,2-Dichloropropane	9.22	63	144717	23.743	ug/L	99
38) Bromodichloromethane	9.50	83	186672	24.072	ug/L	97
39) cis-1,3-Dichloropropene	9.93	75	240144	24.588	ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	291904	43.460	ug/L	99
42) Toluene	10.25	91	611335	23.962	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	209185	24.237	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	119704	23.135	ug/L	95
46) Tetrachloroethene	10.72	164	112963	23.472	ug/L	95
48) 2-Hexanone	10.83	43	226369	43.113	ug/L	98
49) Dibromochloromethane	10.99	129	137649	23.610	ug/L	95
50) 1,2-Dibromoethane	11.09	107	119149	22.769	ug/L	94
51) Chlorobenzene	11.52	112	389291	23.888	ug/L	99
52) Ethylbenzene	11.59	91	700159	24.057	ug/L	98
53) m,p-Xylene	11.70	106	272915	24.471	ug/L	96
54) o-Xylene	12.03	106	259177	23.928	ug/L	97
55) Styrene	12.05	104	453278	24.745	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.58	83	157966	22.522	ug/L	98
59) Bromoform	12.20	173	87769	23.322	ug/L	98
60) Isopropylbenzene	12.33	105	700018	24.777	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	126569	22.527	ug/L	99
62) 1,3,5-Trimethylbenzene	12.73	105	2488	0.107	ug/L	100
63) 1,2,4-Trimethylbenzene	13.12	105	564434	24.722	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	306972	24.238	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	311635	24.455	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	285109	24.037	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.36	75	29092	22.367	ug/L	97
69) 1,3,5-Trichlorobenzene	14.50	180	221410	25.328	ug/L	99
70) 1,2,4-trichlorobenzene	15.01	180	197975	24.864	ug/L	99
71) Naphthalene	15.23	128	509456	24.492	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	182774	24.778	ug/L	98

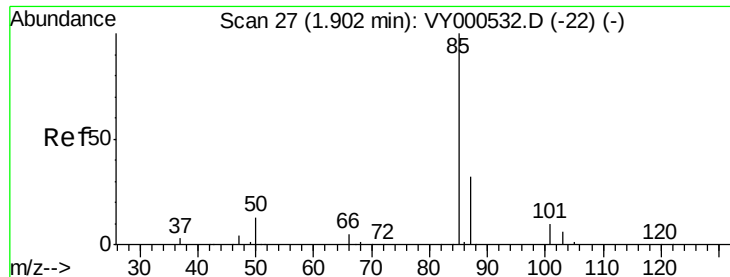
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.353 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

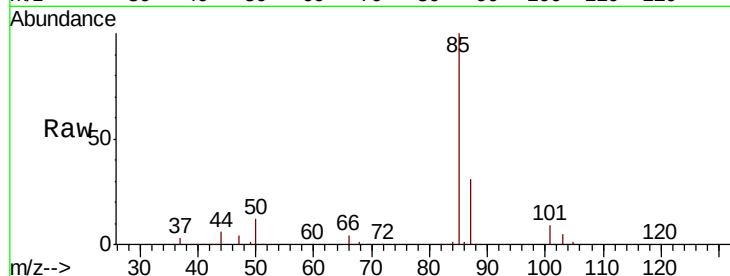
VICV821

Tot Ion: 85 Resp: 122971

Ion Ratio Lower Upper

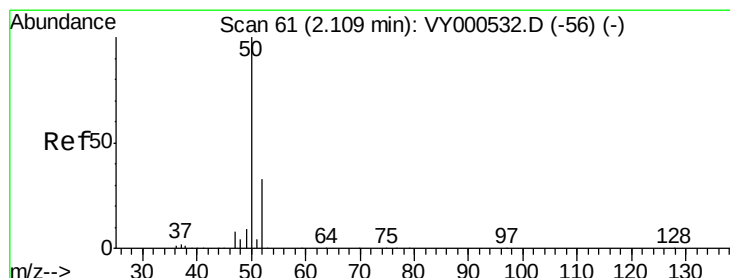
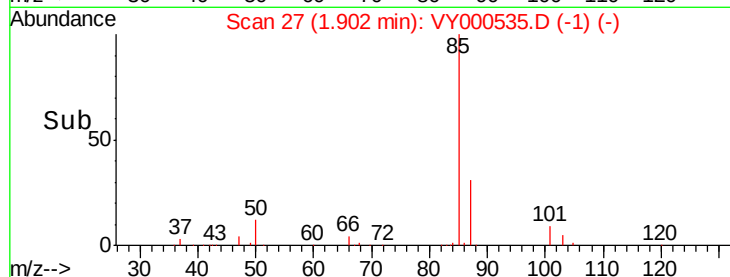
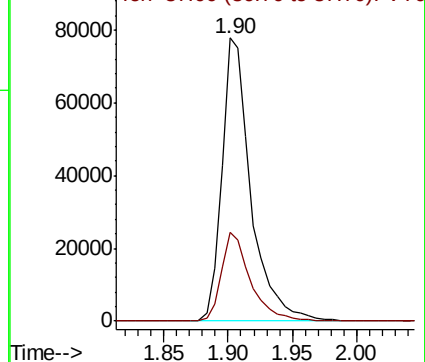
85 100

87 31.5 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 22.994 ug/L

RT: 2.11 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000535.D

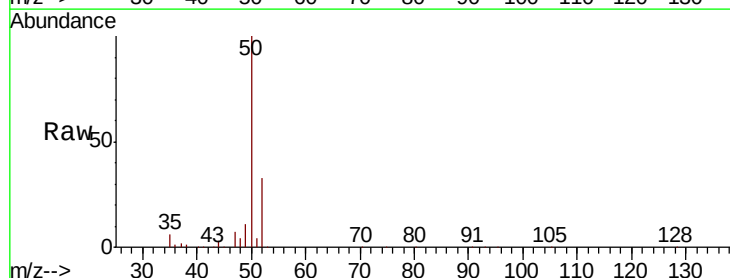
Acq: 05 Nov 2019 13:07

Tgt Ion: 50 Resp: 166101

Ion Ratio Lower Upper

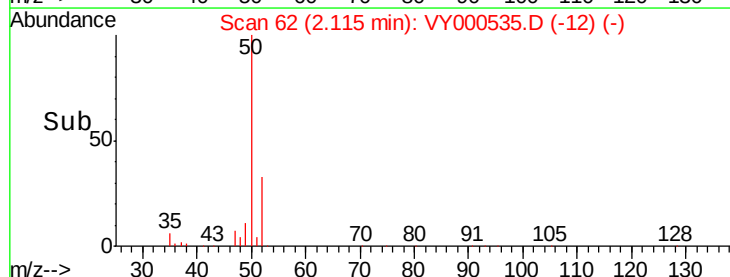
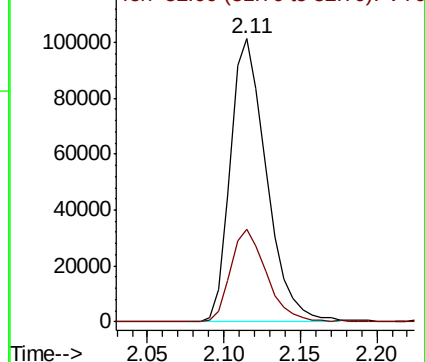
50 100

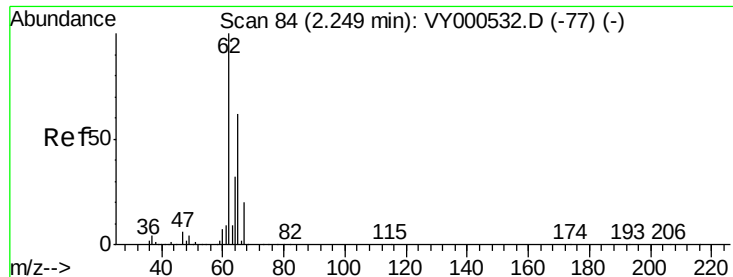
52 32.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 24.116 ug/L

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampled :

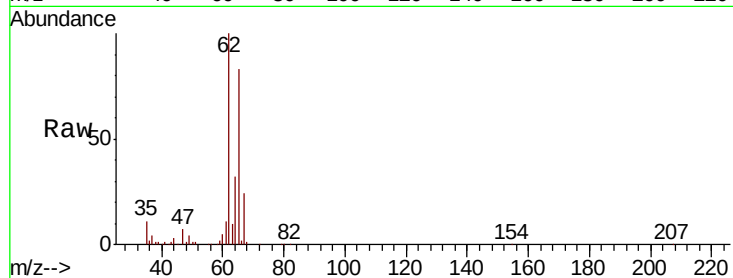
VICV821

Tot Ion: 62 Resp: 162659

Ion Ratio Lower Upper

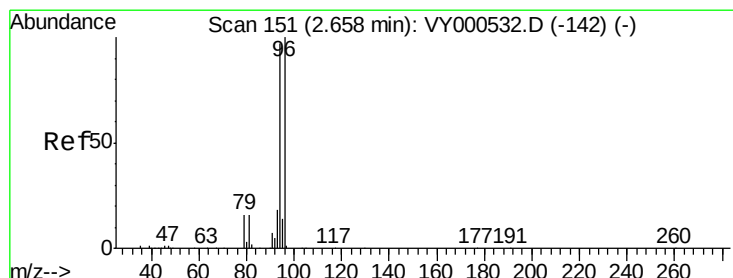
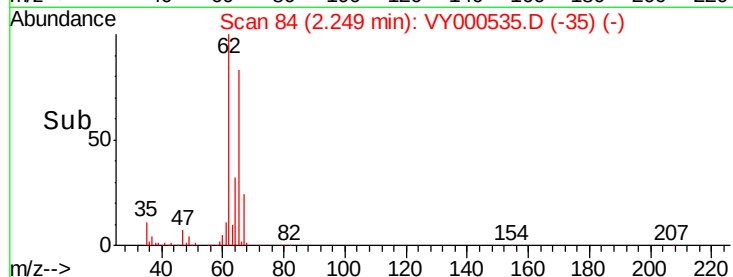
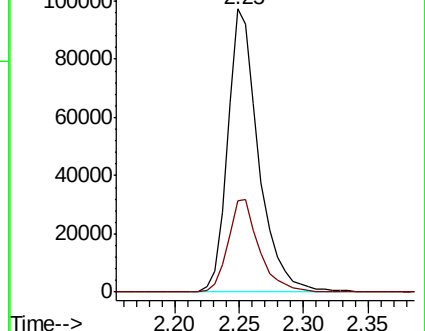
62 100

64 32.4 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 26.817 ug/L

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY000535.D

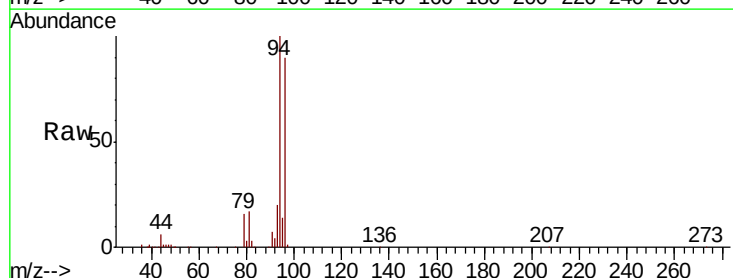
Acq: 05 Nov 2019 13:07

Tgt Ion: 94 Resp: 82806

Ion Ratio Lower Upper

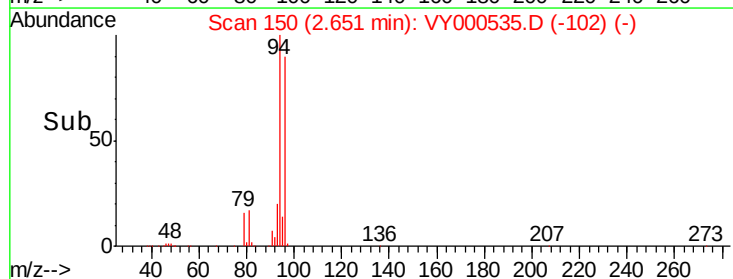
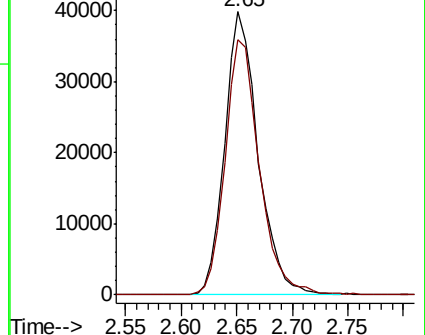
94 100

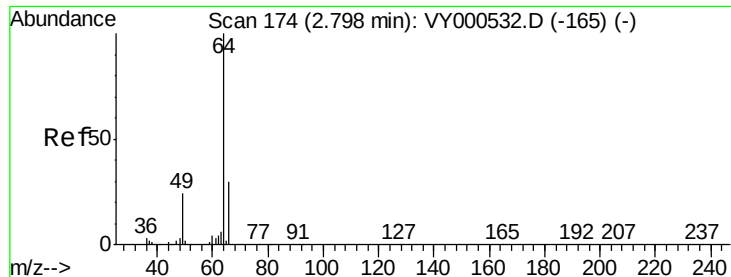
96 90.0 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 23.141 ug/L

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

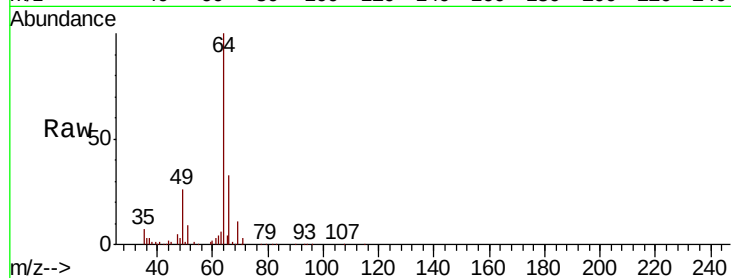
VICV821

Tot Ion: 64 Resp: 96322

Ion Ratio Lower Upper

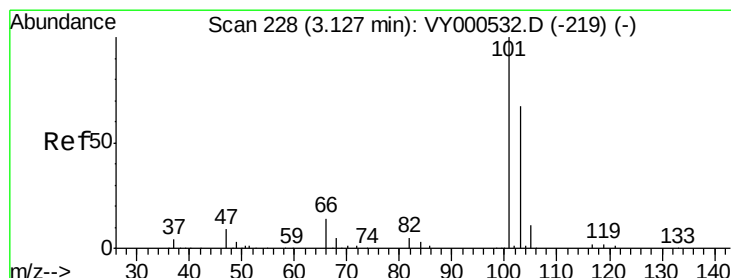
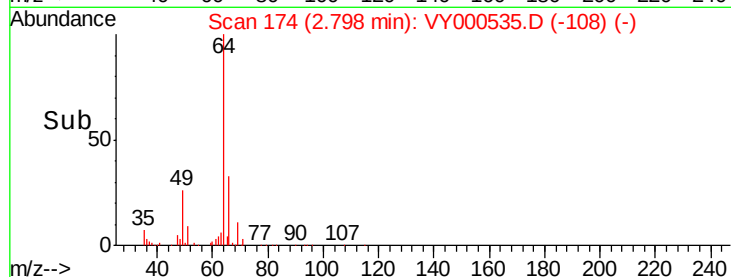
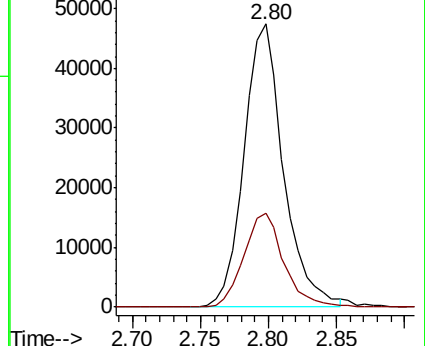
64 100

66 33.3 20.9 38.7



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 23.198 ug/L

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000535.D

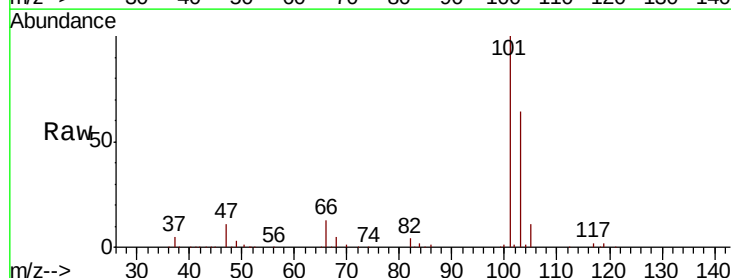
Acq: 05 Nov 2019 13:07

Tgt Ion:101 Resp: 220782

Ion Ratio Lower Upper

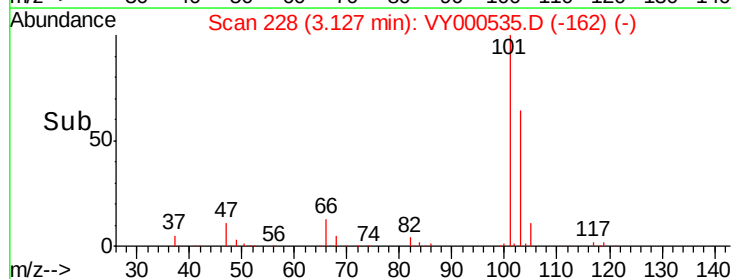
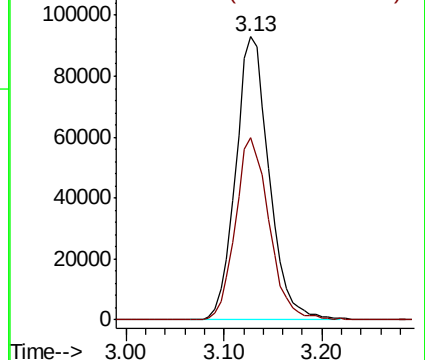
101 100

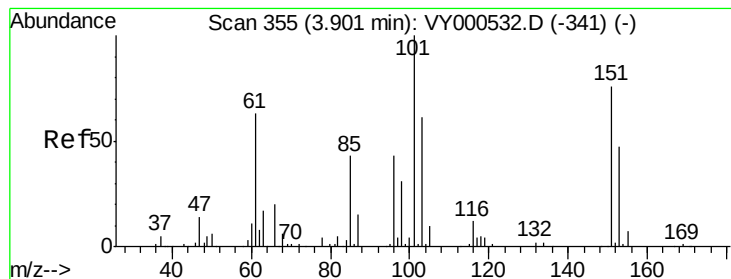
103 64.9 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.073 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000535.D

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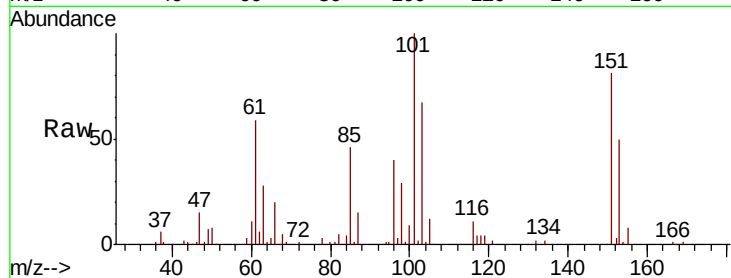
Tot Ion:101 Resp: 127500

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.8

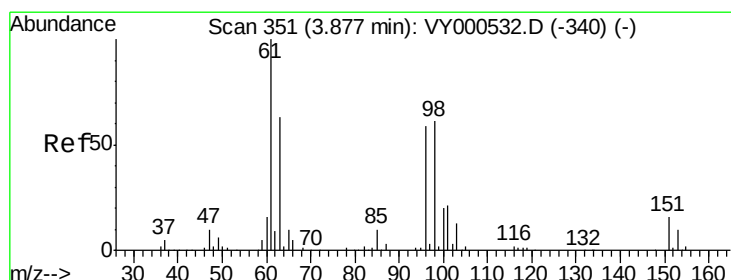
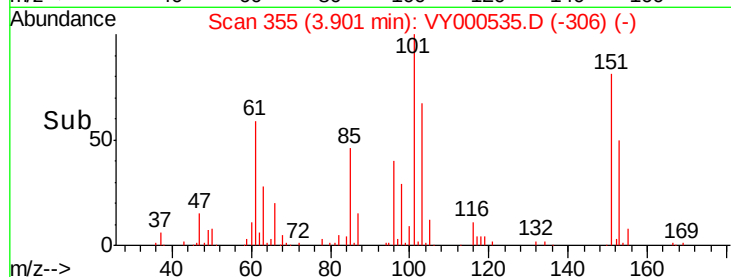
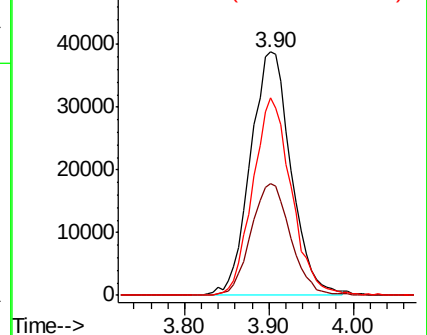
151 77.3 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000535.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VY000535.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VY000535.D (-306) (-)



#12

1,1-Dichloroethene

Concen: 23.128 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

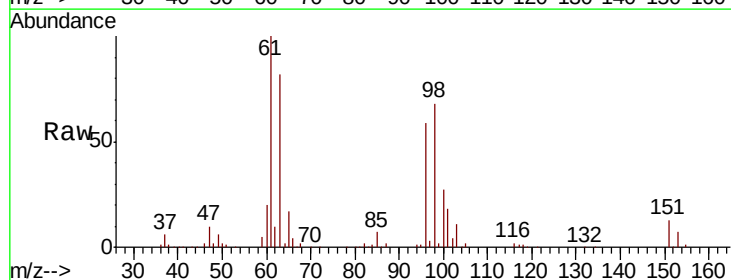
Tgt Ion: 96 Resp: 121603

Ion Ratio Lower Upper

96 100

61 169.9 118.6 220.2

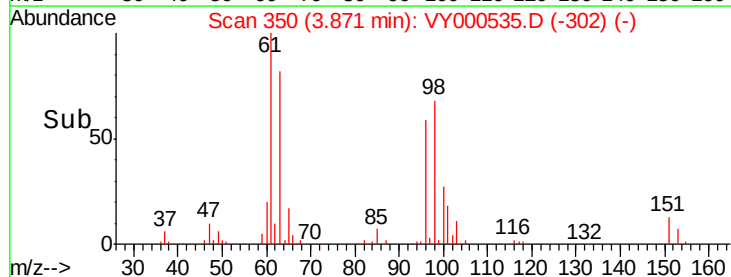
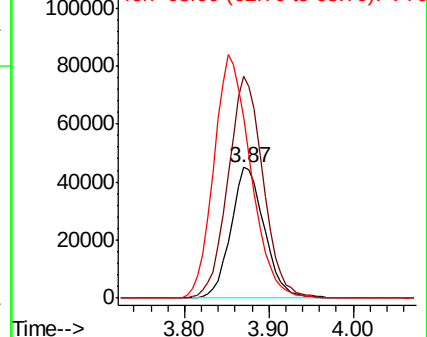
63 138.5 77.8 144.6

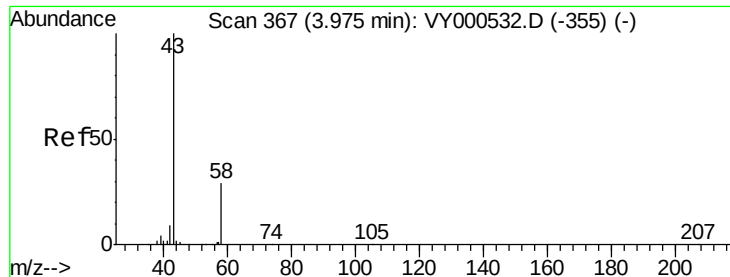


Abundance Ion 96.00 (95.70 to 96.70): VY000535.D (-302) (-)

Ion 61.00 (60.70 to 61.70): VY000535.D (-302) (-)

Ion 63.00 (62.70 to 63.70): VY000535.D (-302) (-)





#13

Acetone

Concen: 36.682 ug/L

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

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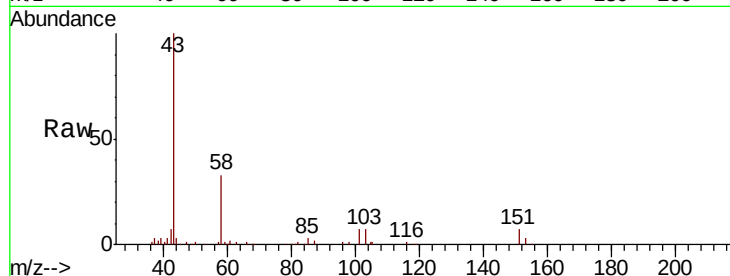
VICV821

Tot Ion: 43 Resp: 92658

Ion Ratio Lower Upper

43 100

58 33.8 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-355) (-)

Ion 58.00 (57.70 to 58.70): VY000532.D (-355) (-)

3.96

40000

30000

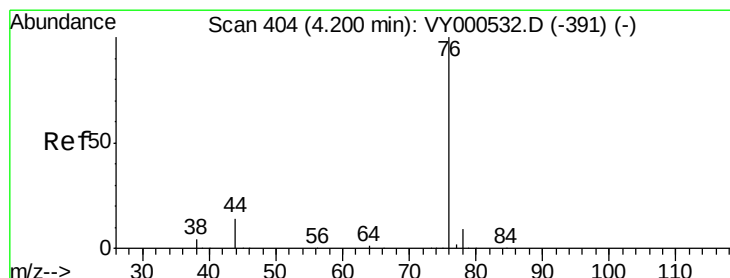
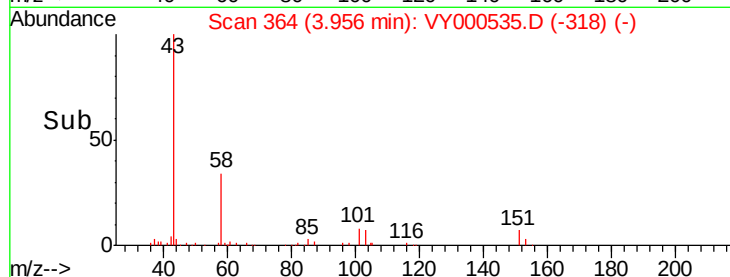
20000

10000

0

Time-->

3.90 4.00 4.10



#14

Carbon disulfide

Concen: 24.170 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000535.D

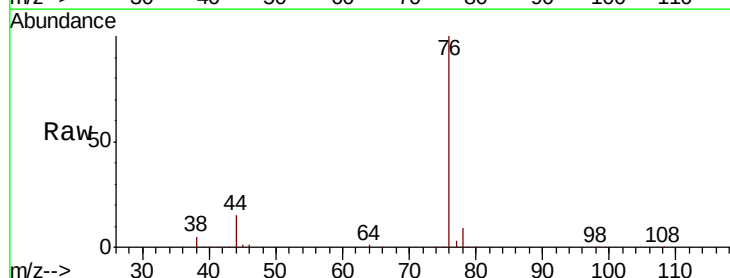
Acq: 05 Nov 2019 13:07

Tgt Ion: 76 Resp: 403004

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY000532.D (-391) (-)

Ion 78.00 (77.70 to 78.70): VY000532.D (-391) (-)

4.19

150000

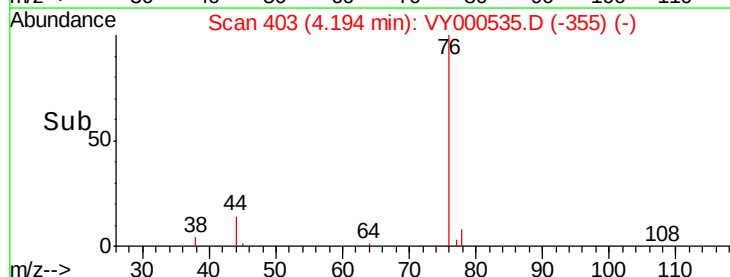
100000

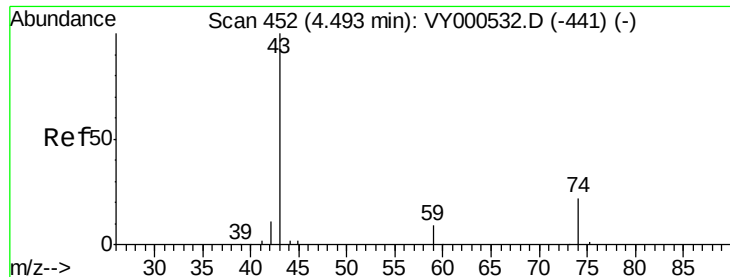
50000

0

Time-->

4.10 4.20 4.30 4.40





#15

Methvl Acetate

Concen: 21.138 ug/L

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

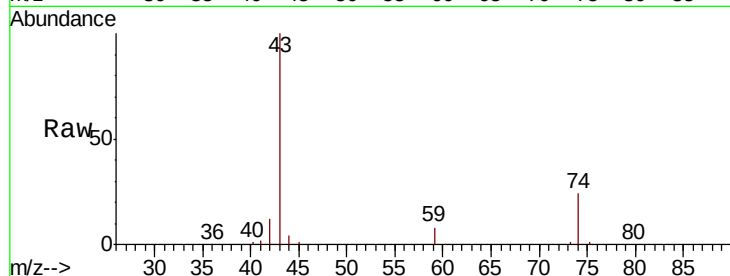
VICV821

Tot Ion: 43 Resp: 95147

Ion Ratio Lower Upper

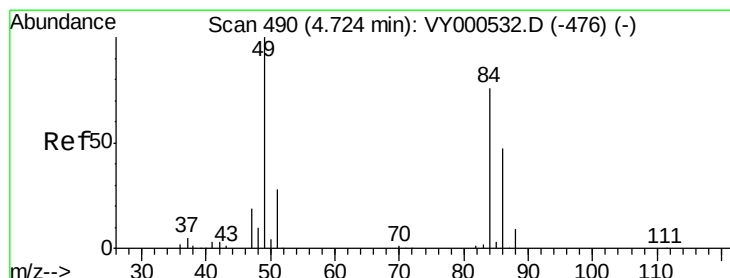
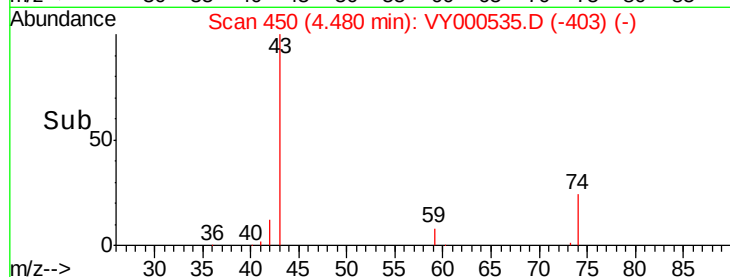
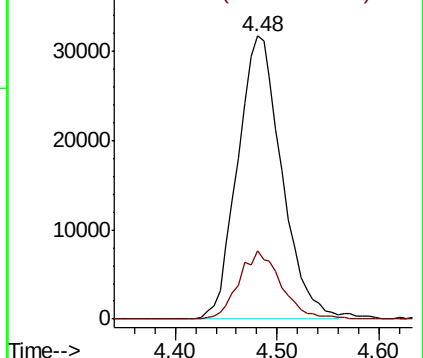
43 100

74 22.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 22.448 ug/L

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

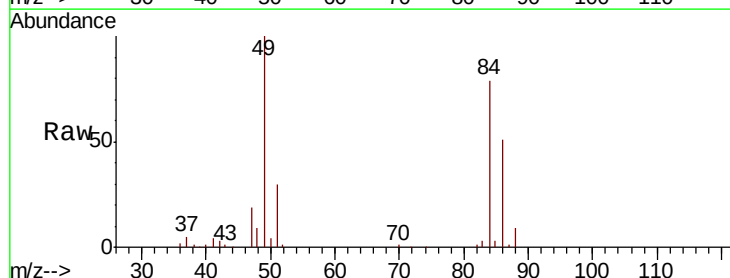
Tgt Ion: 84 Resp: 144802

Ion Ratio Lower Upper

84 100

86 63.6 43.4 80.6

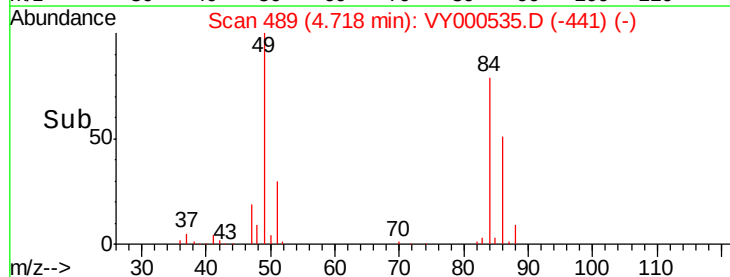
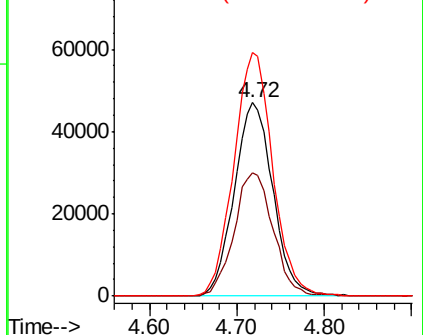
49 125.9 92.3 171.3

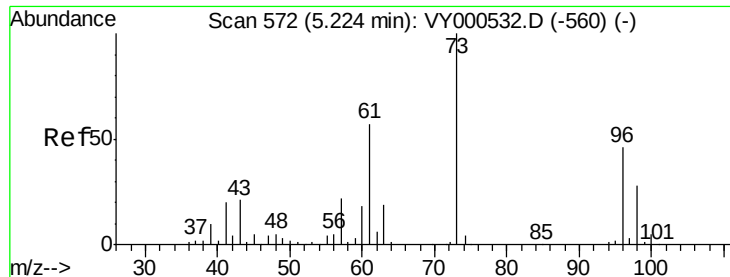


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

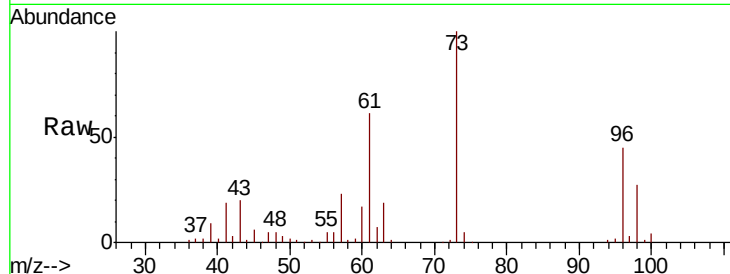




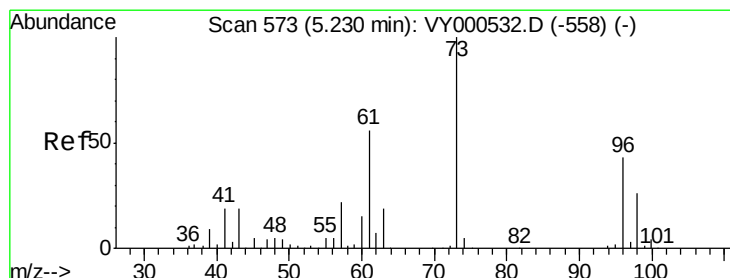
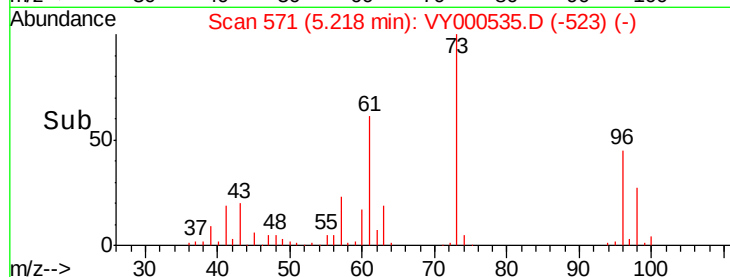
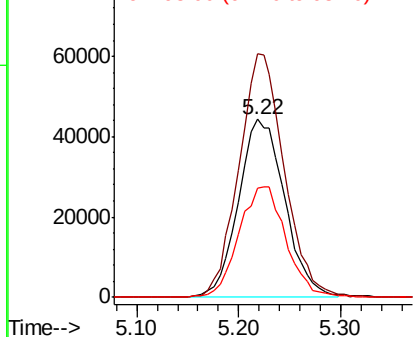
#17
trans-1,2-Dichloroethene
Concen: 23.927 ug/L
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000535.D
Acq: 05 Nov 2019 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VICV821

Tot Ion: 96 Resp: 139802
Ion Ratio Lower Upper
96 100
61 136.5 86.9 161.5
98 61.1 42.6 79.0

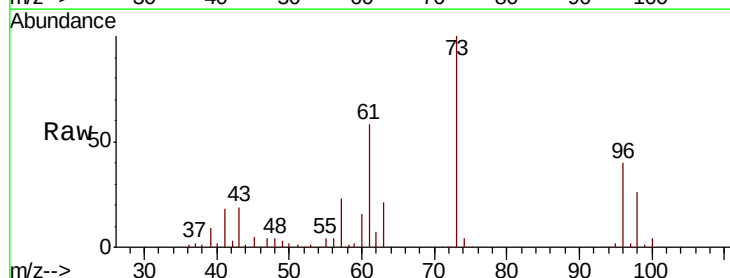


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

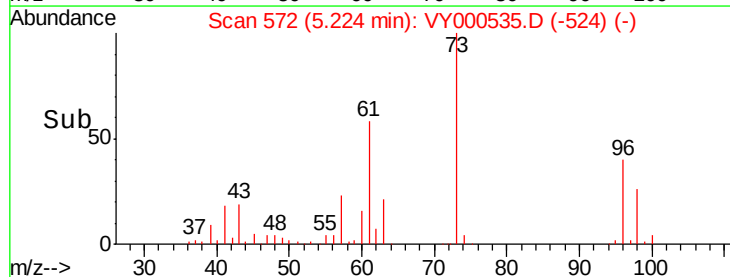
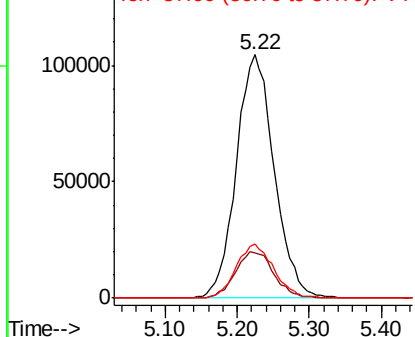


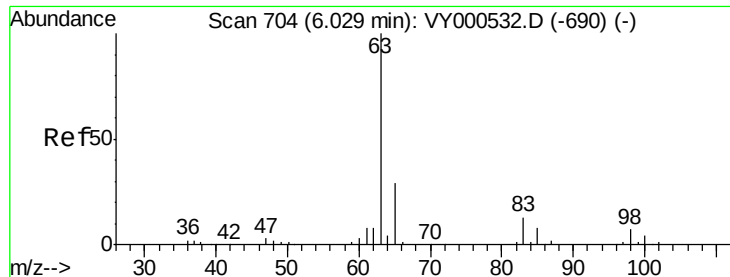
#18
Methyl tert-butyl Ether
Concen: 22.953 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000535.D
Acq: 05 Nov 2019 13:07

Tgt Ion: 73 Resp: 382161
Ion Ratio Lower Upper
73 100
43 19.4 15.7 23.5
57 21.9 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

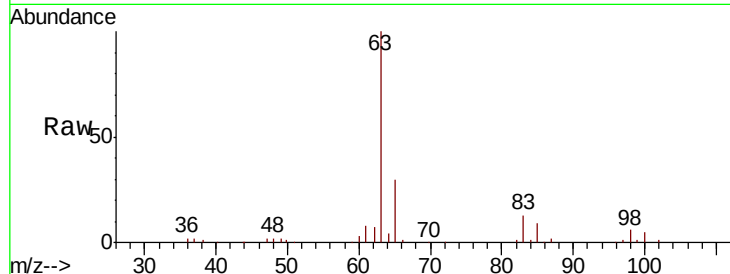




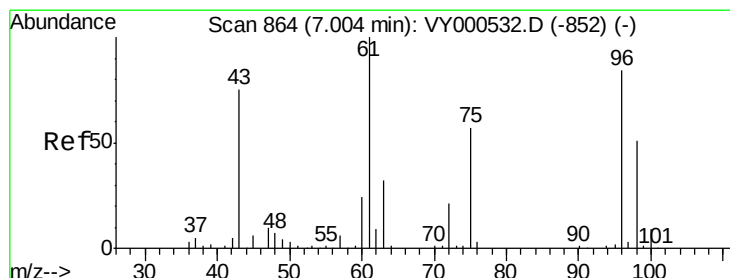
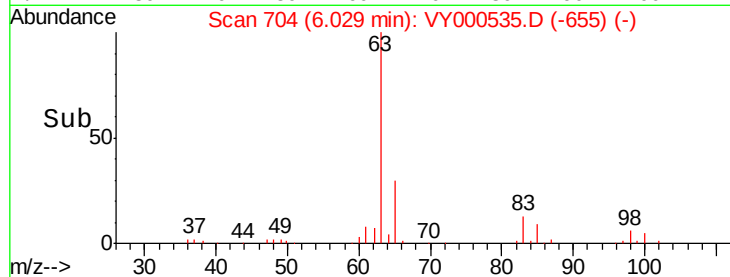
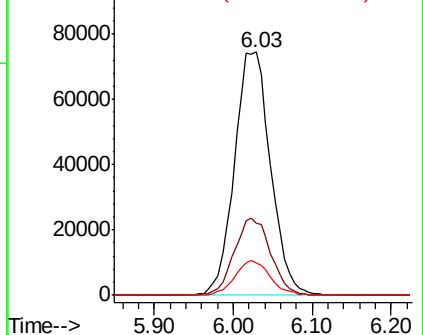
#19
 1,1-Dichloroethane
 Concen: 23.192 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV821

Tot Ion: 63 Resp: 237521
 Ion Ratio Lower Upper
 63 100
 65 29.6 20.2 37.4
 83 13.4 9.2 17.2

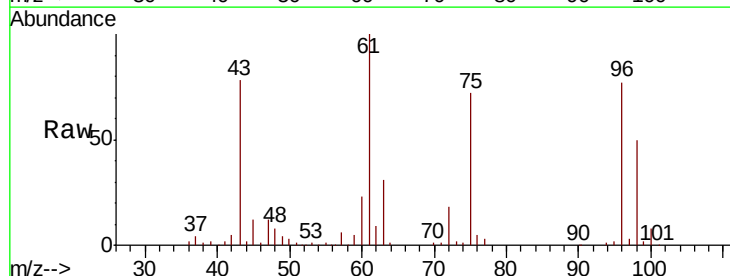


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

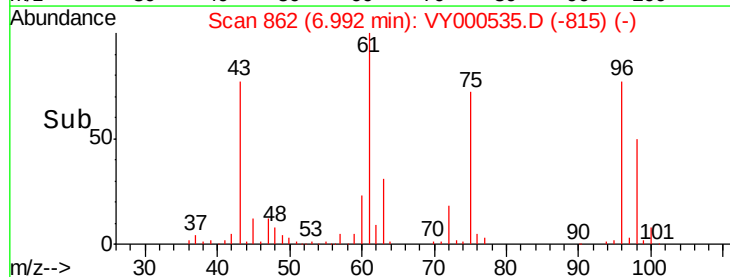
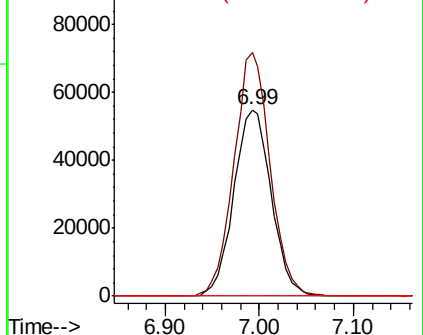


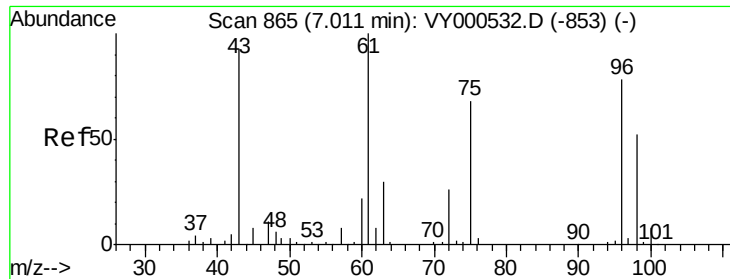
#20
 cis-1,2-Dichloroethene
 Concen: 23.212 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Tgt Ion: 96 Resp: 151834
 Ion Ratio Lower Upper
 96 100
 61 130.5 83.7 155.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 39.424 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

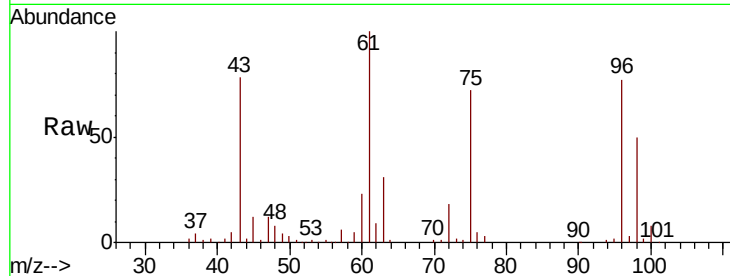
VICV821

Tot Ion: 43 Resp: 152577

Ion Ratio Lower Upper

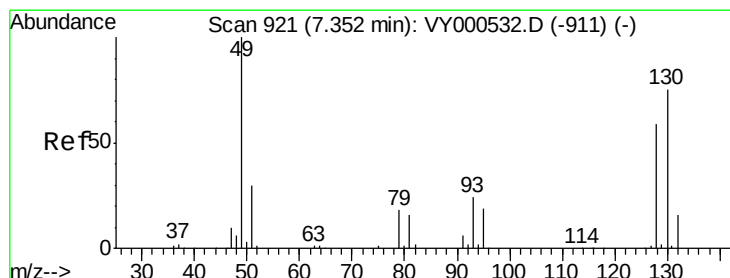
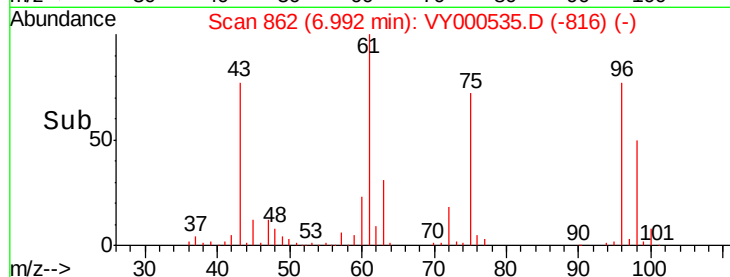
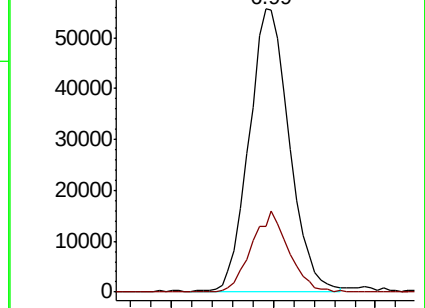
43 100

72 26.0 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-853) (-)

Ion 72.00 (71.70 to 72.70): VY000532.D (-853) (-)



#23

Bromochloromethane

Concen: 22.161 ug/L

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Tgt Ion: 128 Resp: 65167

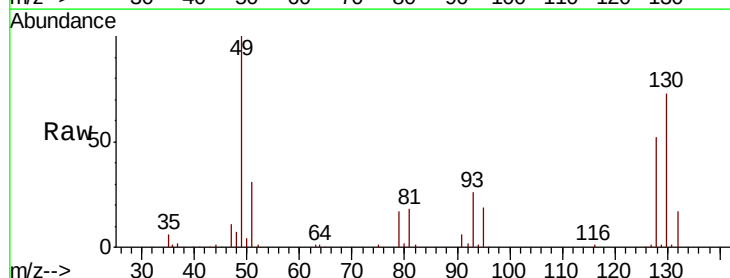
Ion Ratio Lower Upper

128 100

49 193.5 119.8 222.4

130 140.7 89.8 166.8

51 59.5 40.8 61.2

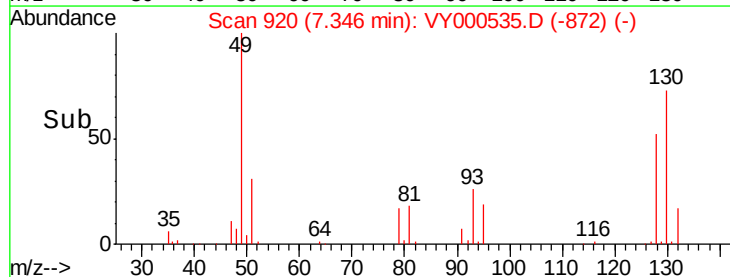
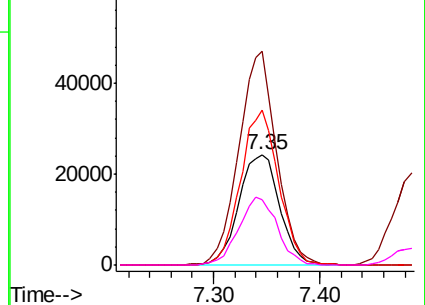


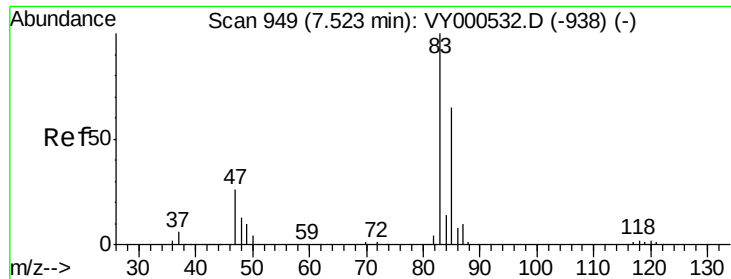
Abundance Ion 128.00 (127.70 to 128.70): VY000532.D (-911) (-)

Ion 49.00 (48.70 to 49.70): VY000532.D (-911) (-)

Ion 130.00 (129.70 to 130.70): VY000532.D (-911) (-)

Ion 51.00 (50.70 to 51.70): VY000532.D (-911) (-)





#25

Chloroform

Concen: 23.318 ug/L

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

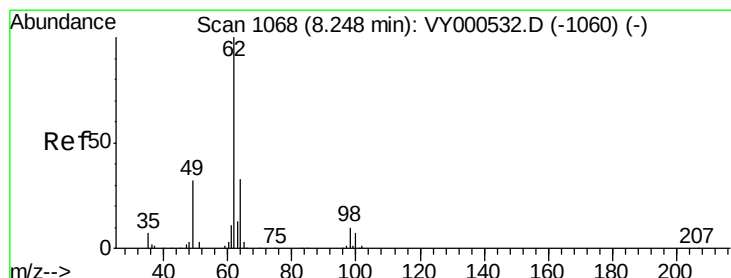
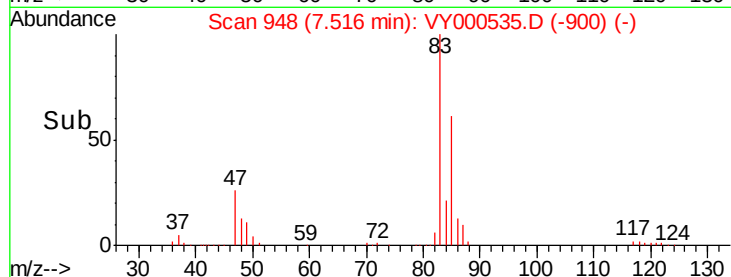
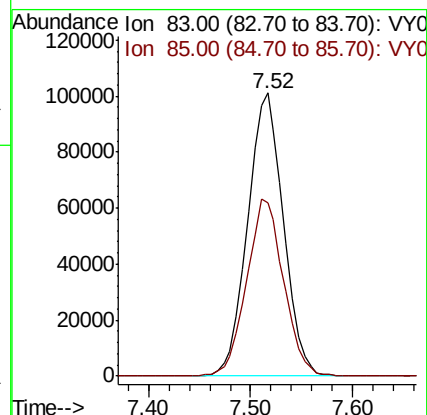
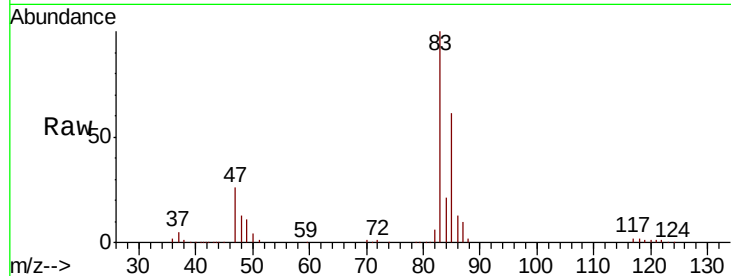
VICV821

Tot Ion: 83 Resp: 246643

Ion Ratio Lower Upper

83 100

85 61.1 46.0 85.4



#27

1,2-Dichloroethane

Concen: 23.180 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VY000535.D

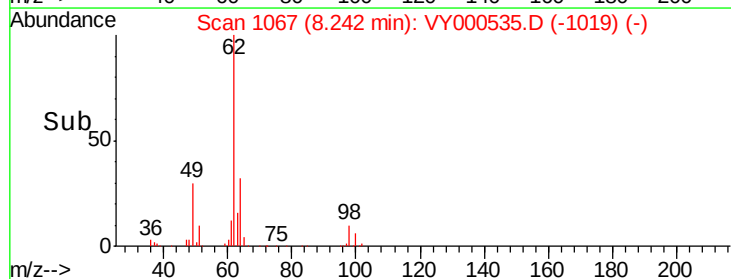
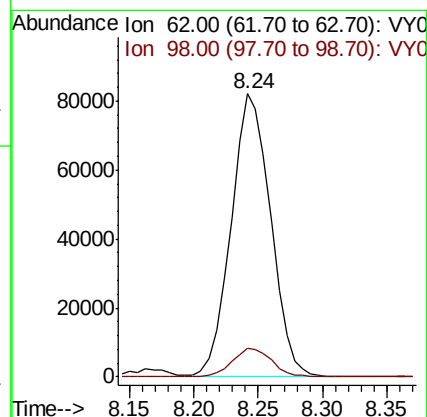
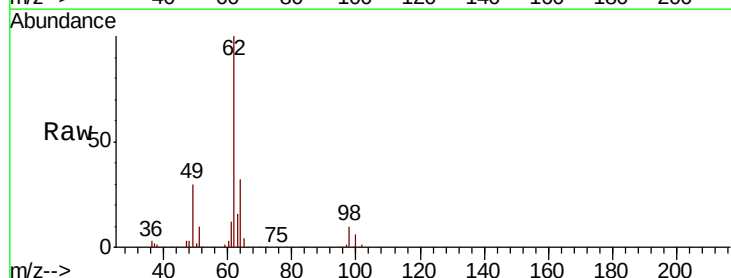
Acq: 05 Nov 2019 13:07

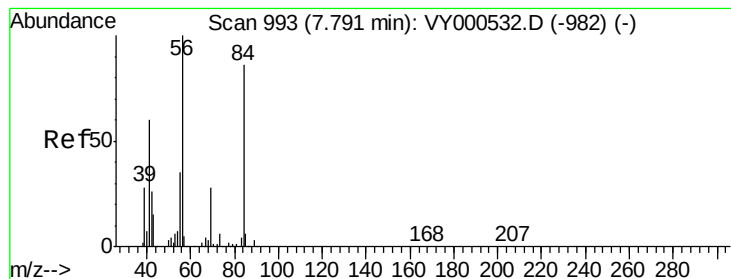
Tgt Ion: 62 Resp: 175134

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.8





#29

Cyclohexane

Concen: 24.313 ug/L

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VICV821

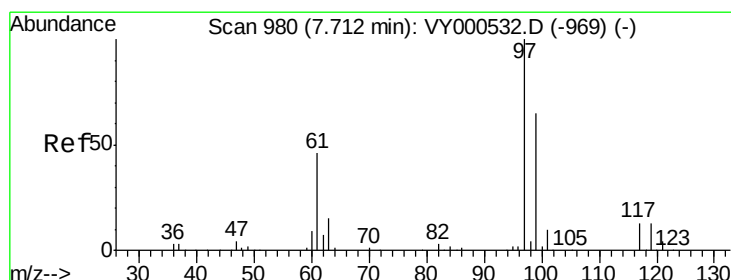
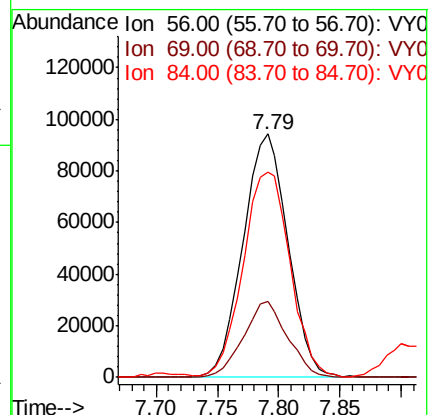
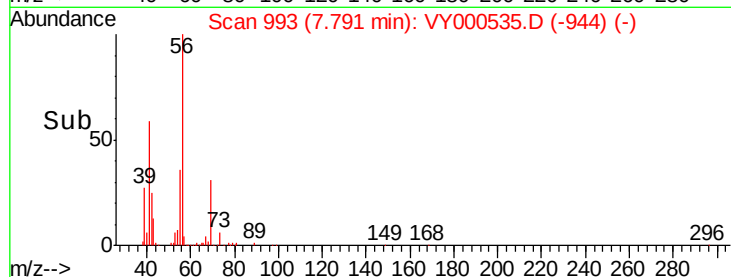
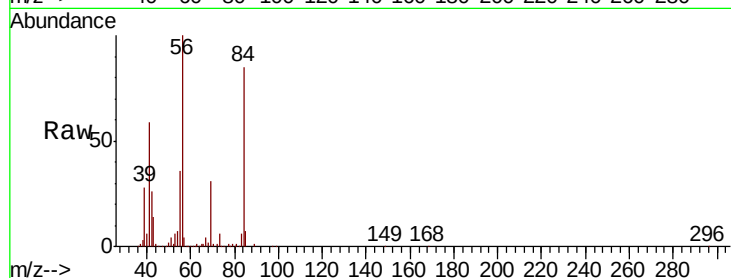
Tot Ion: 56 Resp: 241581

Ion Ratio Lower Upper

56 100

69 30.5 23.4 35.2

84 88.6 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 24.320 ug/L

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

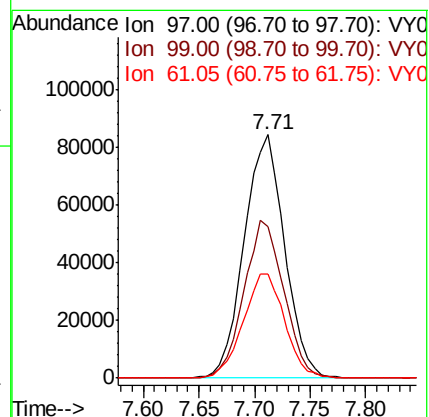
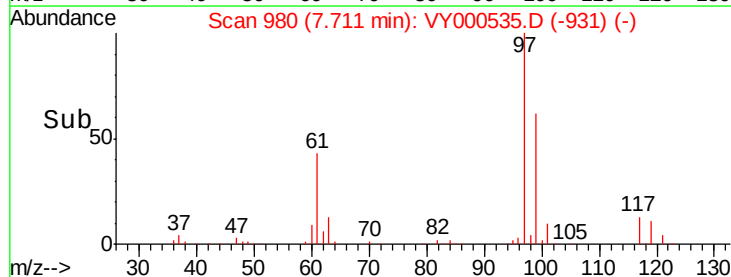
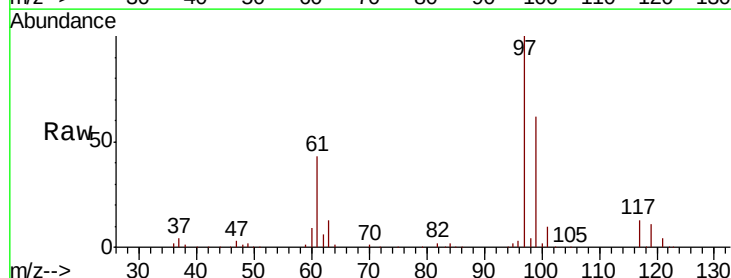
Tgt Ion: 97 Resp: 213398

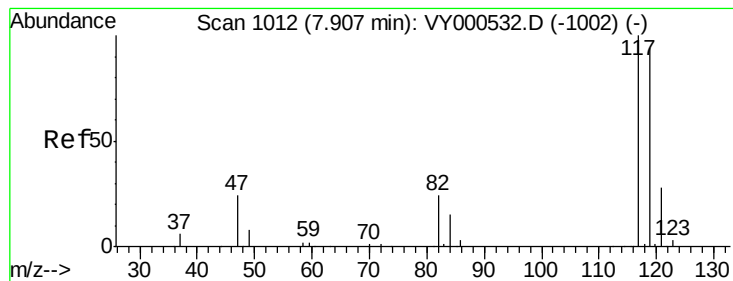
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 44.0 35.4 53.0





#31

Carbon tetrachloride

Concen: 23.585 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

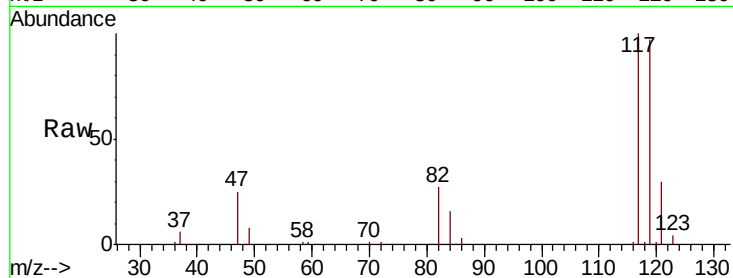
VICV821

Tot Ion:117 Resp: 190840

Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

7.91

80000

60000

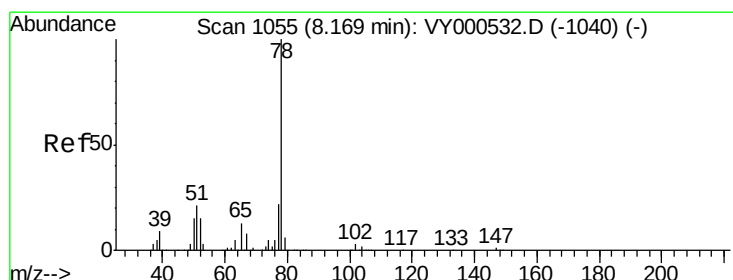
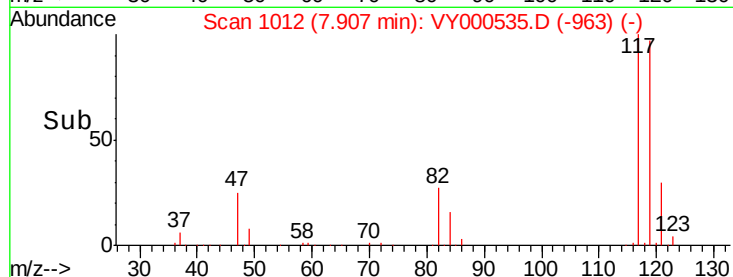
40000

20000

0

Time-->

7.80 7.85 7.90 7.95 8.00



#33

Benzene

Concen: 23.956 ug/L

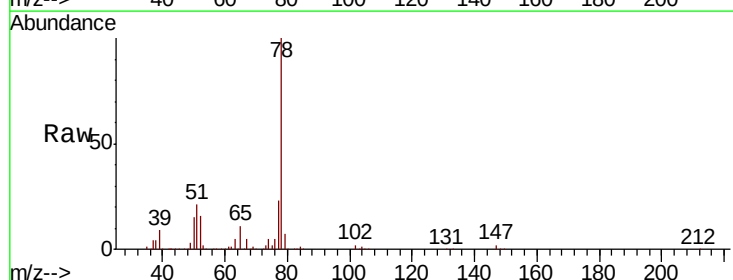
RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Tgt Ion: 78 Resp: 572313



Abundance Ion 78.00 (77.70 to 78.70): VY0

300000

250000

200000

150000

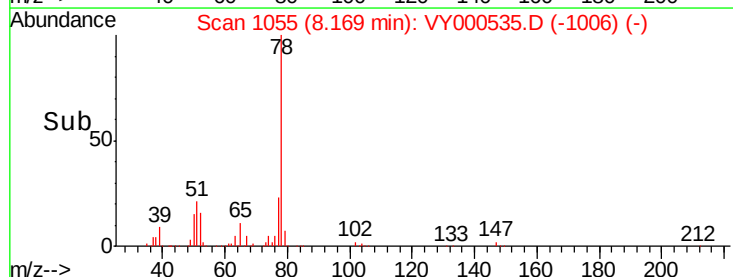
100000

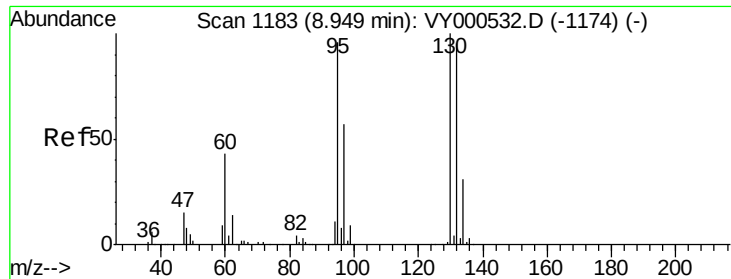
50000

0

Time-->

8.00 8.10 8.20

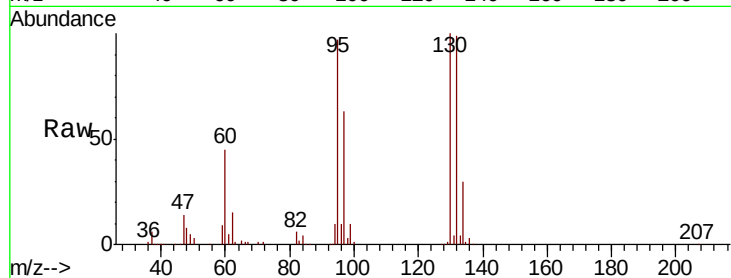




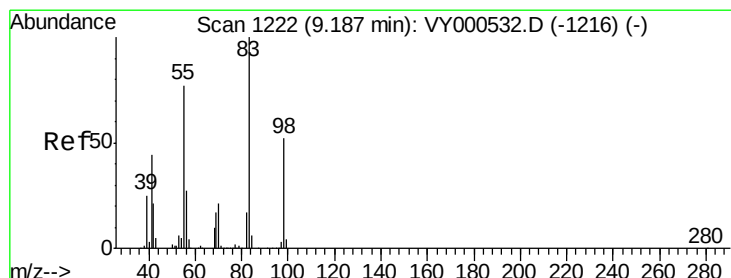
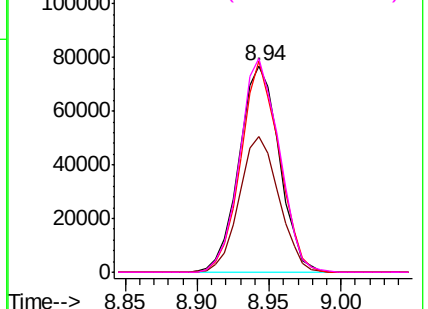
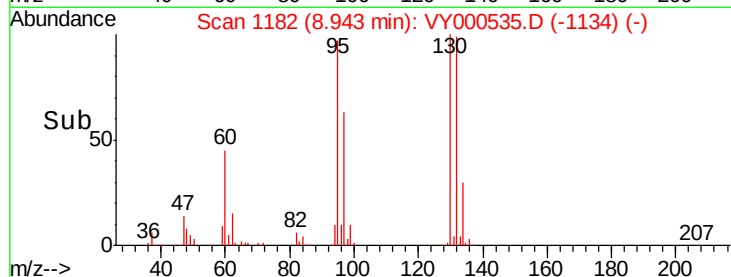
#34
 Trichloroethene
 Concen: 23.578 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV821

Tot Ion:	95	Resp:	148649
Ion	Ratio	Lower	Upper
95	100		
97	65.6	41.4	76.8
132	102.3	69.7	129.4
130	103.4	73.1	135.8

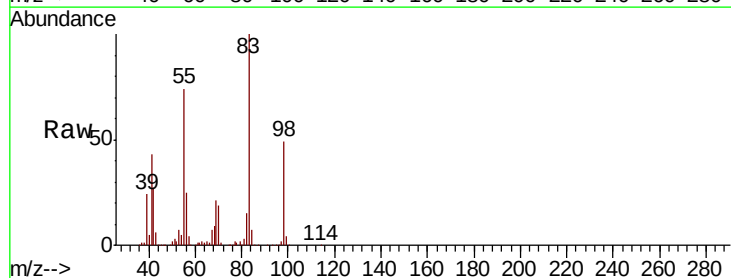


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

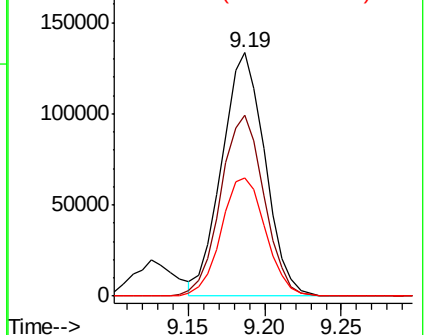
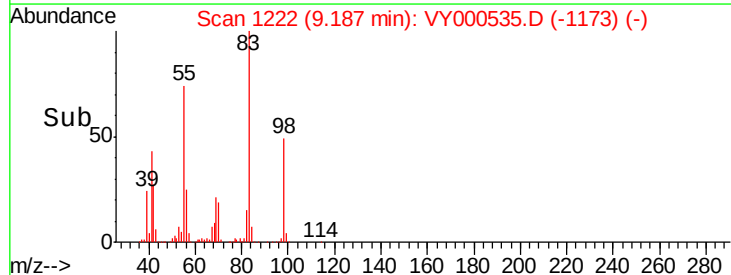


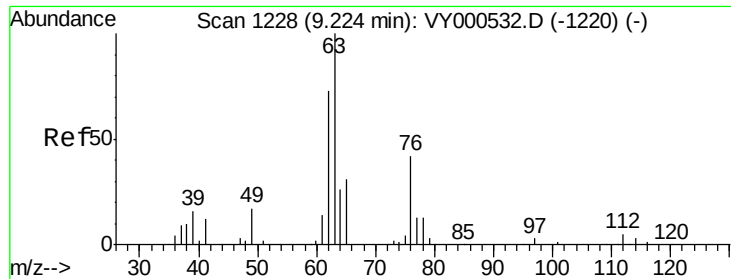
#35
 Methylcyclohexane
 Concen: 24.145 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Tgt Ion:	83	Resp:	261486
Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.8	86.8
98	50.1	38.7	58.1



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

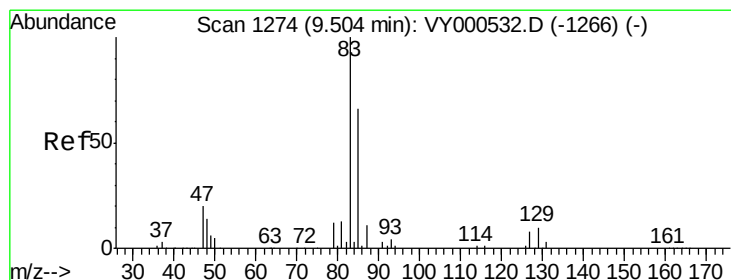
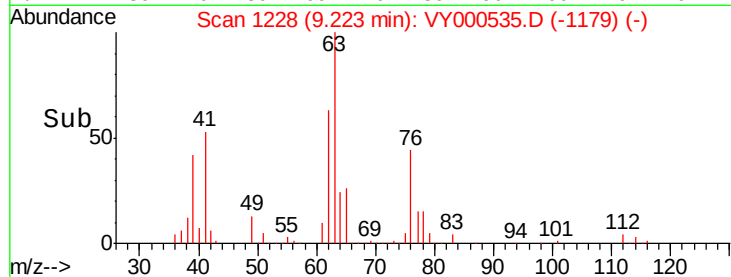
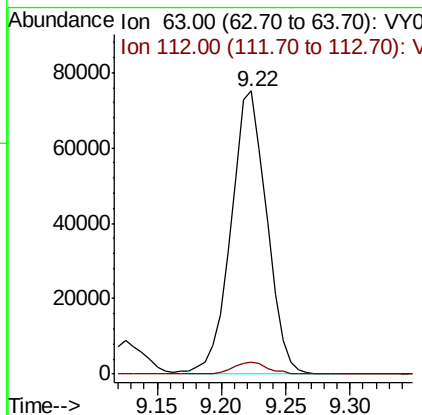
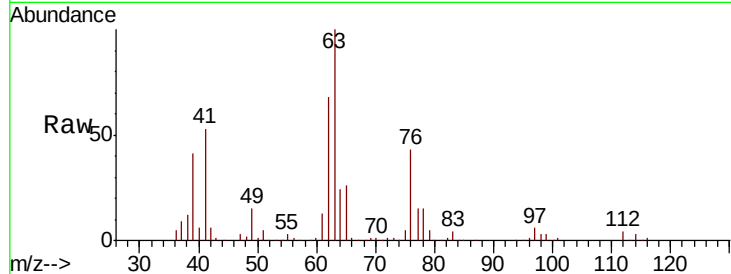




#37
 1,2-Dichloropropane
 Concen: 23.743 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

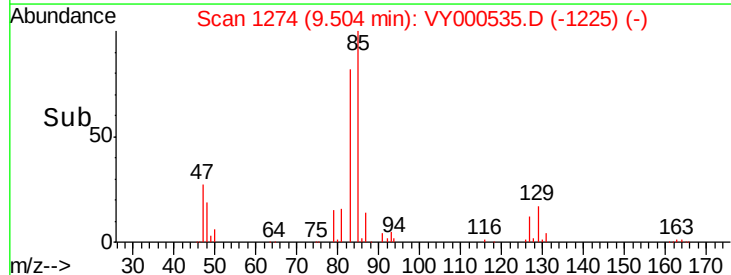
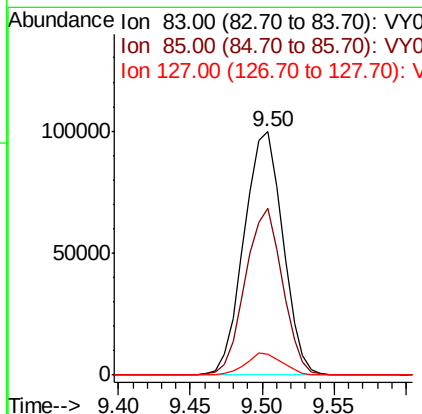
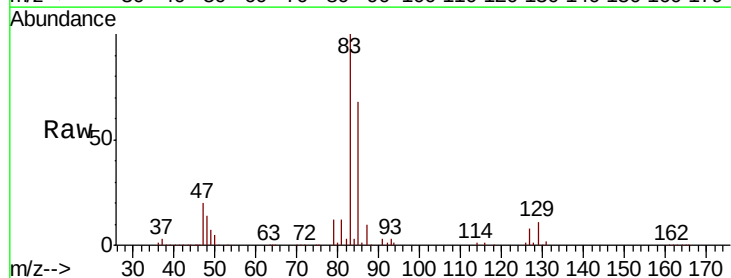
Instrument :
 MSVOA_Y
 ClientSampled :
 VICV821

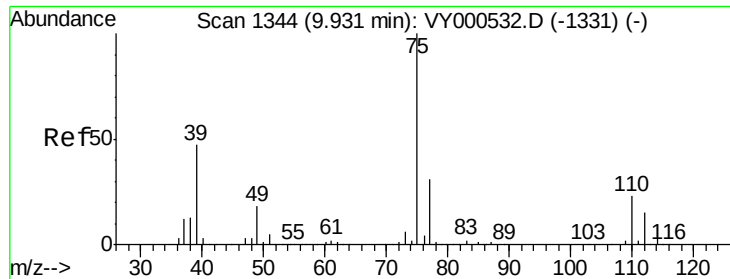
Tot Ion: 63 Resp: 144717
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 24.072 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Tgt Ion: 83 Resp: 186672
 Ion Ratio Lower Upper
 83 100
 85 68.5 46.1 85.7
 127 8.3 6.5 9.7

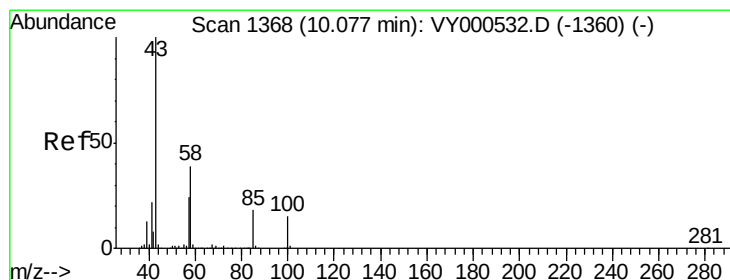
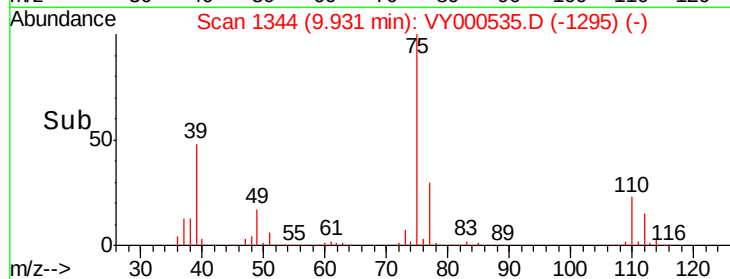
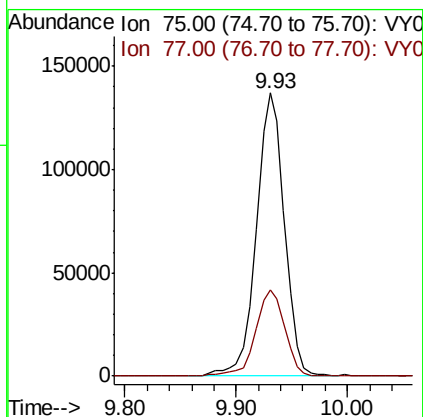
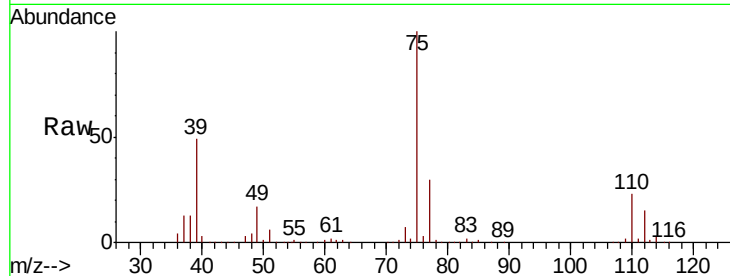




#39
 cis-1,3-Dichloropropene
 Concen: 24.588 ug/L
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

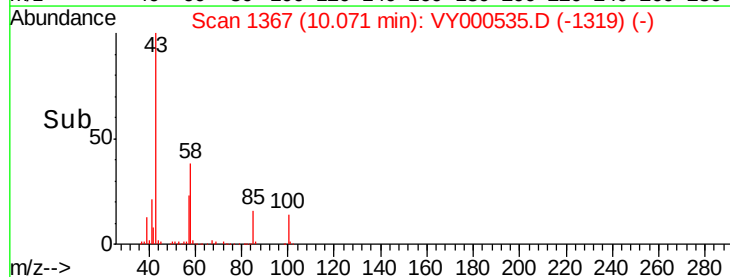
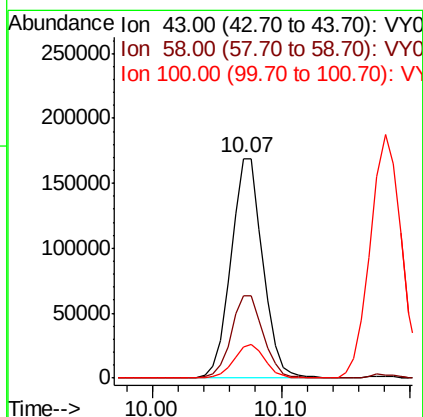
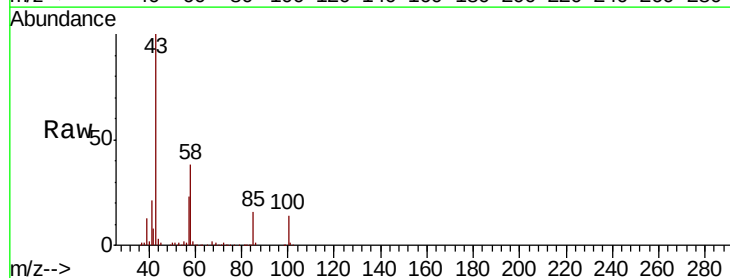
Instrument :
 MSVOA_Y
 ClientSampled :
 VICV821

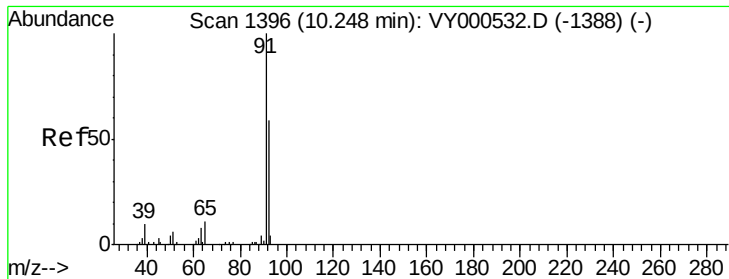
Tot Ion: 75 Resp: 240144
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 43.460 ug/L
 RT: 10.07 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Tgt Ion: 43 Resp: 291904
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.6 45.8
 100 14.9 11.6 17.4





#42

Toluene

Concen: 23.962 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

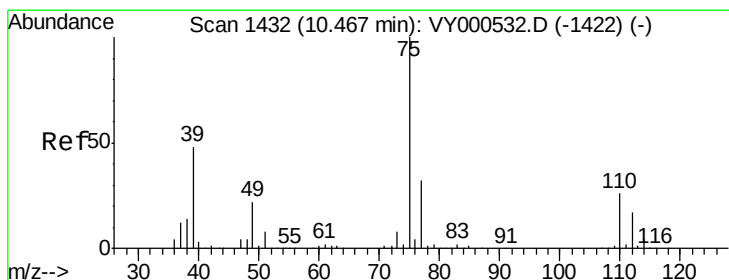
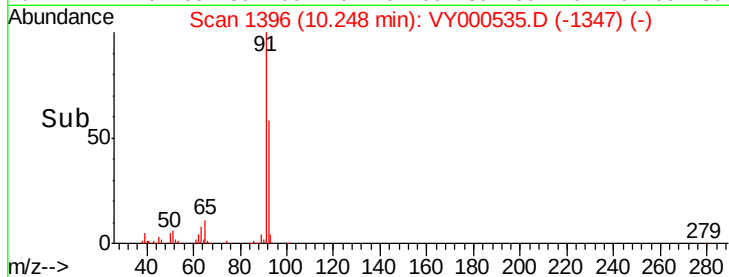
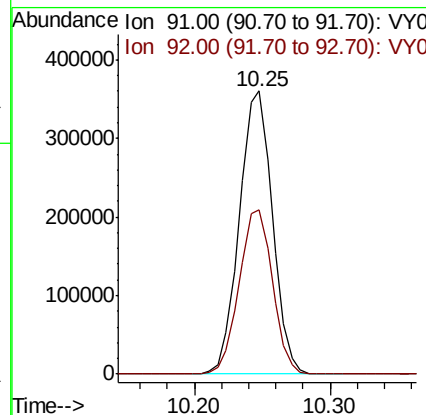
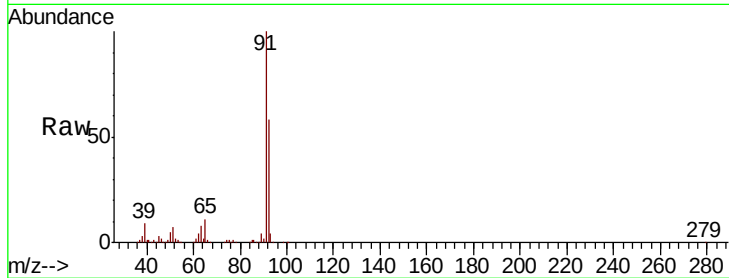
VICV821

Tot Ion: 91 Resp: 611335

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 24.237 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000535.D

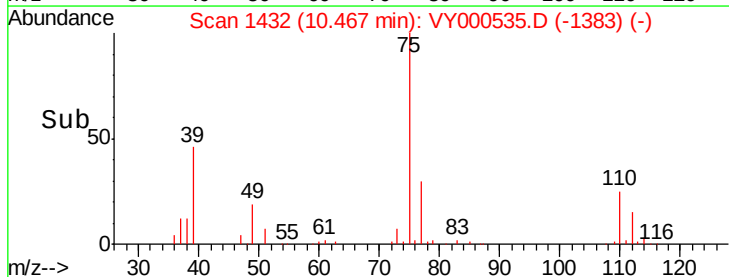
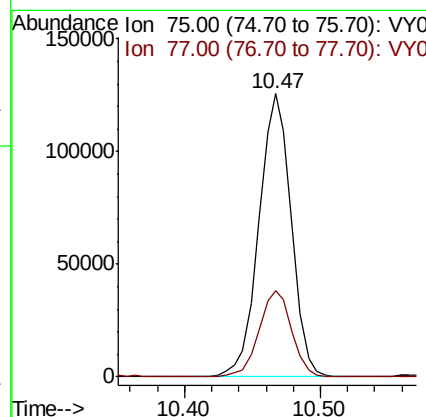
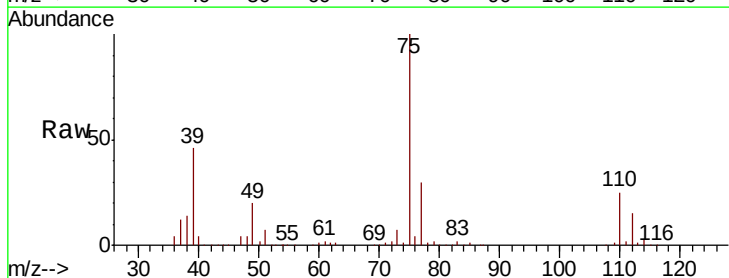
Acq: 05 Nov 2019 13:07

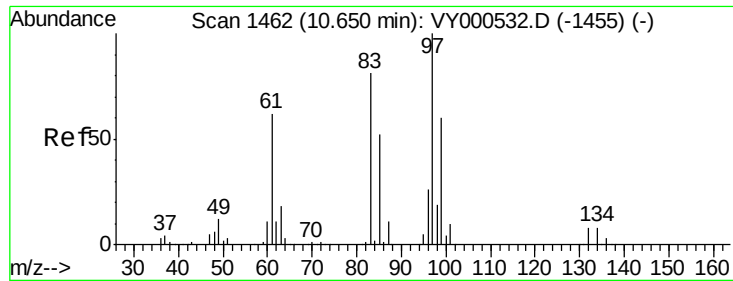
Tgt Ion: 75 Resp: 209185

Ion Ratio Lower Upper

75 100

77 30.4 22.7 42.1

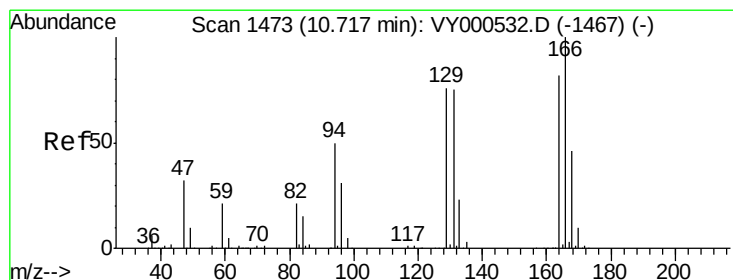
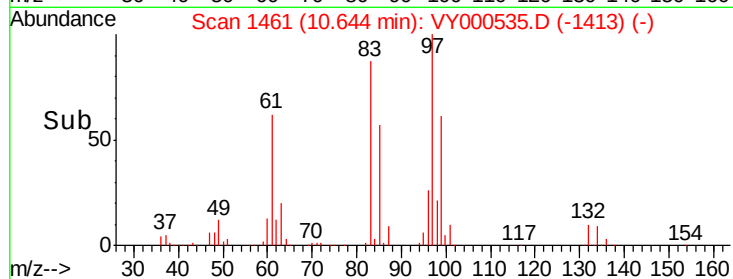
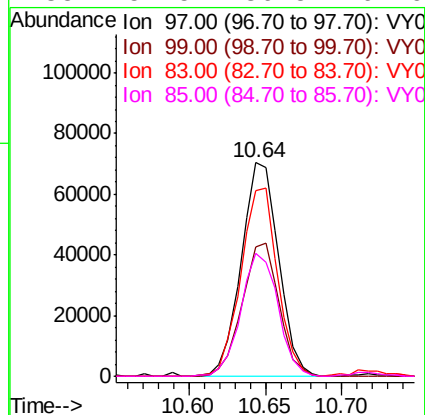
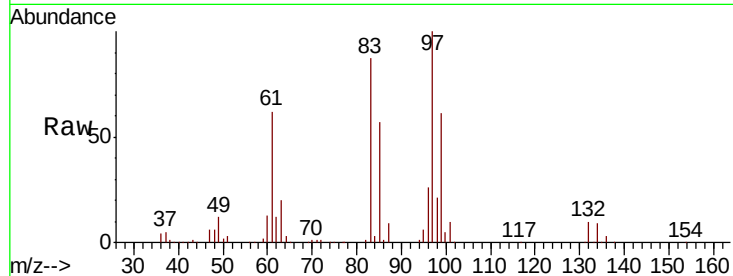




#45
1,1,2-Trichloroethane
Concen: 23.135 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VY000535.D
Acq: 05 Nov 2019 13:07

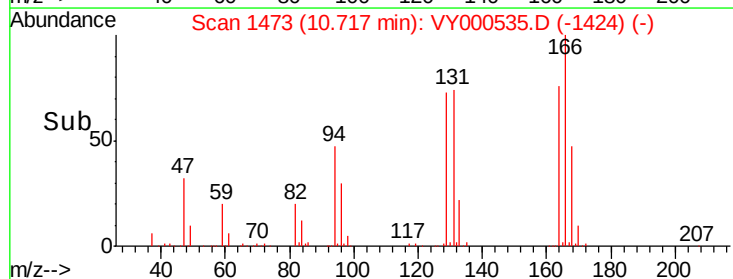
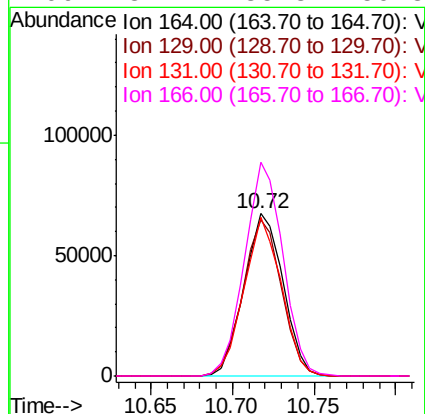
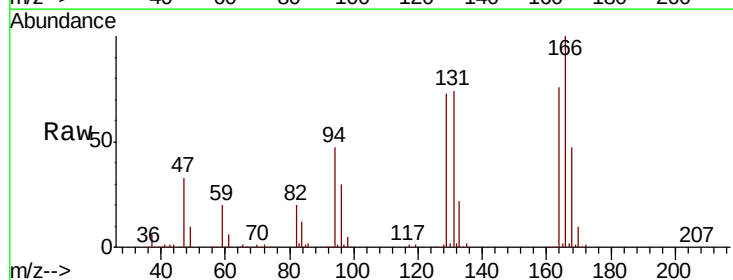
Instrument :
MSVOA_Y
ClientSampleId :
VICV821

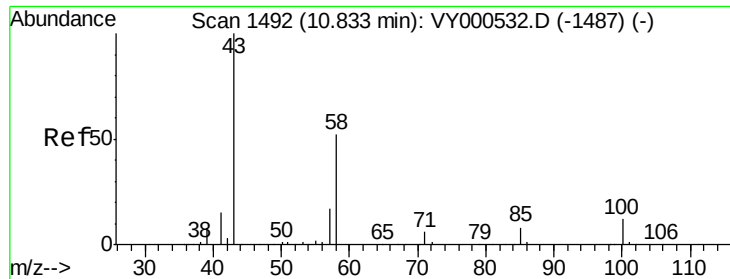
Tot Ion: 97 Resp: 119704
Ion Ratio Lower Upper
97 100
99 60.5 42.1 78.1
83 87.0 56.8 105.6
85 57.5 36.5 67.9



#46
Tetrachloroethene
Concen: 23.472 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000535.D
Acq: 05 Nov 2019 13:07

Tgt Ion: 164 Resp: 112963
Ion Ratio Lower Upper
164 100
129 95.8 65.7 121.9
131 97.6 64.7 120.1
166 131.4 85.8 159.3





#48

2-Hexanone

Concen: 43.113 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VICV821

Tot Ion: 43 Resp: 226369

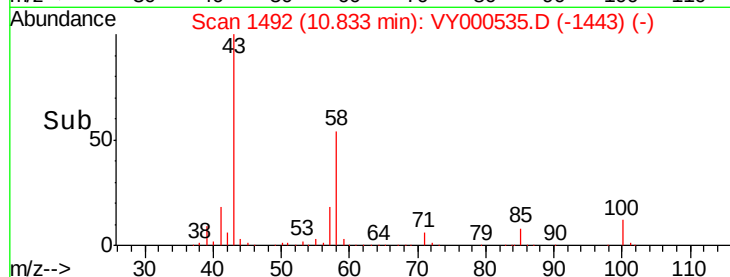
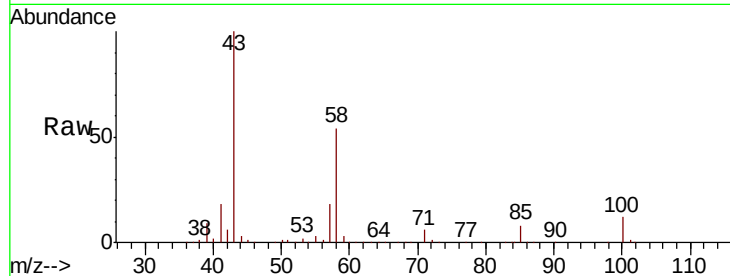
Ion Ratio Lower Upper

43 100

58 54.5 42.5 63.7

57 17.3 14.2 21.4

100 11.5 9.1 13.7

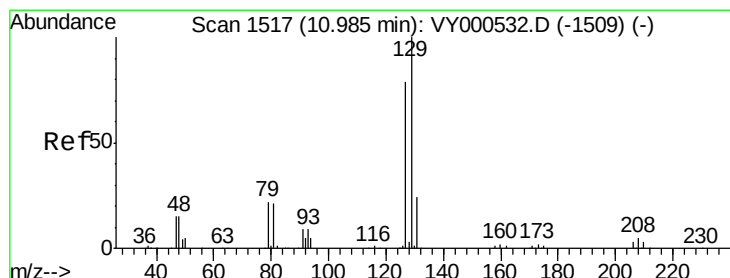
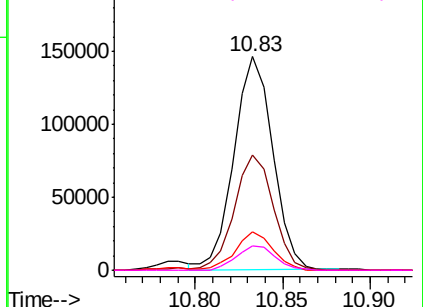


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#49

Dibromochloromethane

Concen: 23.610 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY000535.D

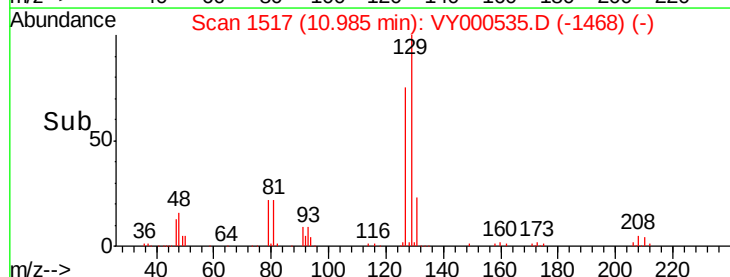
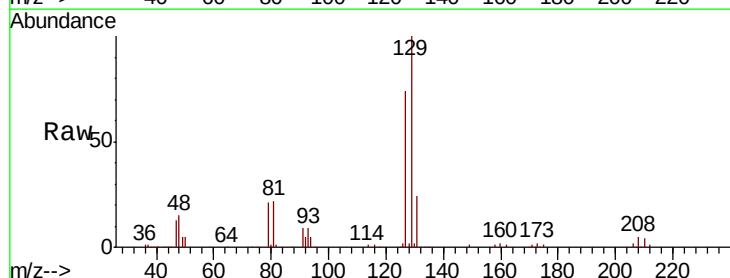
Acq: 05 Nov 2019 13:07

Tgt Ion:129 Resp: 137649

Ion Ratio Lower Upper

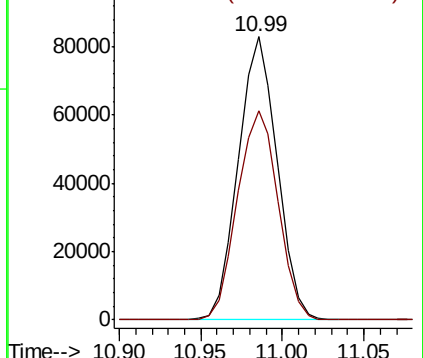
129 100

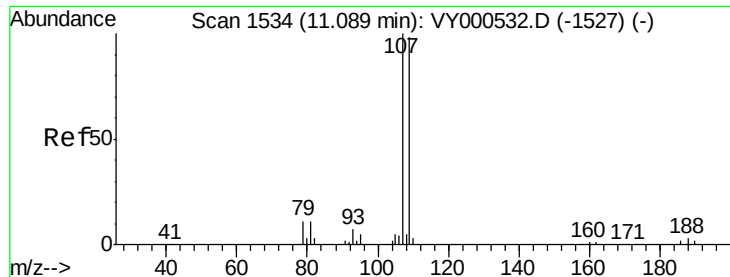
127 73.8 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

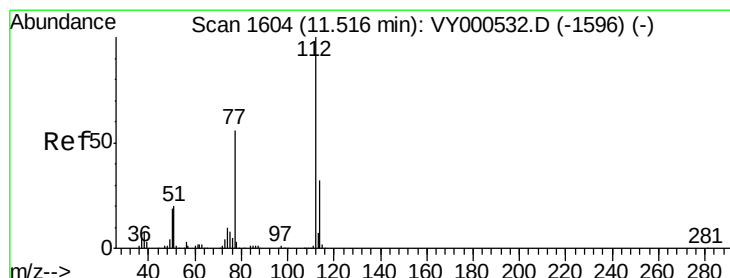
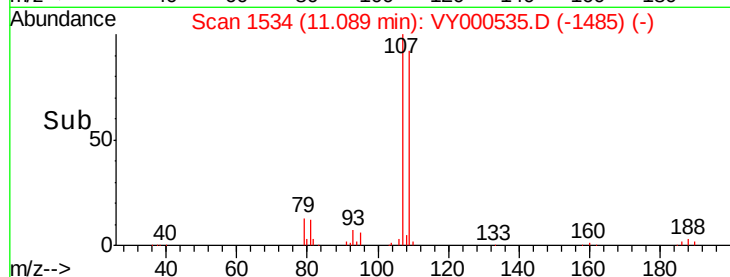
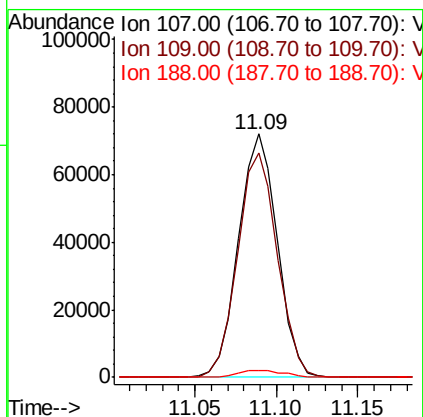
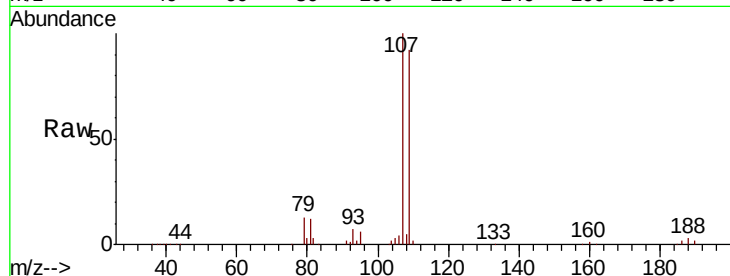




#50
1,2-Dibromoethane
Concen: 22.769 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY000535.D
Acq: 05 Nov 2019 13:07

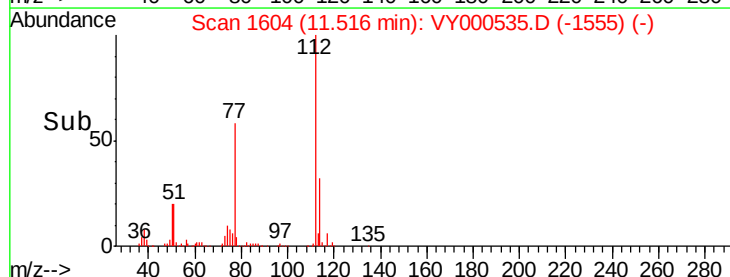
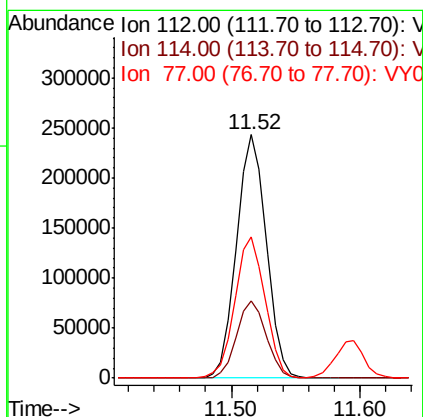
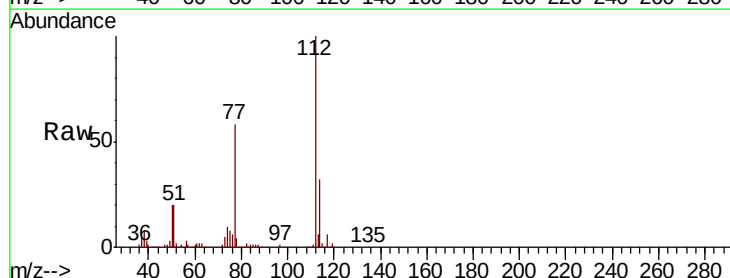
Instrument :
MSVOA_Y
ClientSampleId :
VICV821

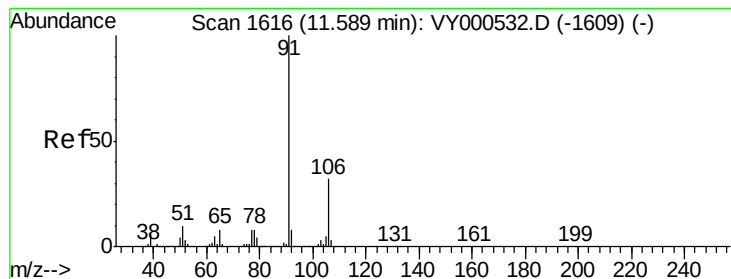
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	68.3	126.9
188	2.9	2.2	3.2



#51
Chlorobenzene
Concen: 23.888 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000535.D
Acq: 05 Nov 2019 13:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.1	41.1
77	58.2	45.3	67.9





#52

Ethylbenzene

Concen: 24.057 ug/L

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

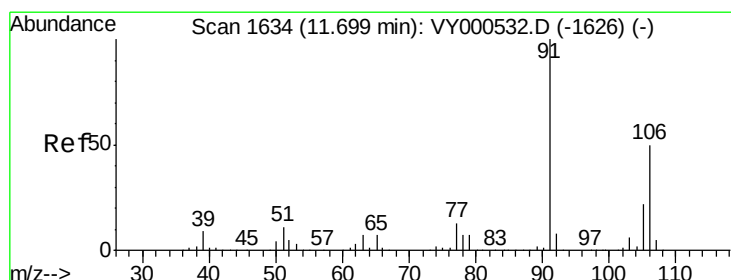
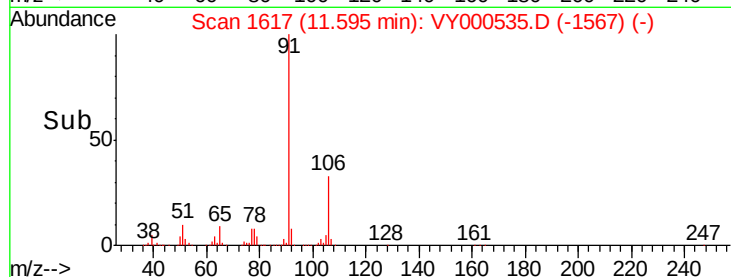
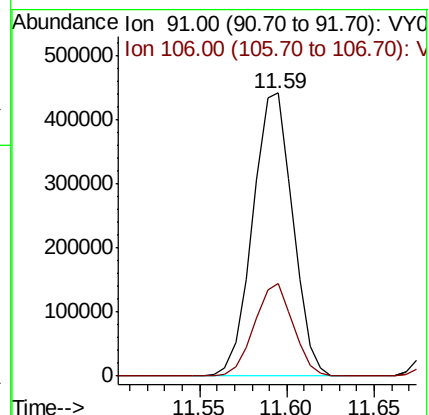
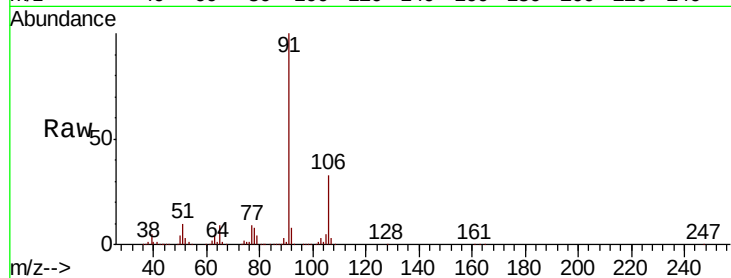
VICV821

Tot Ion: 91 Resp: 700159

Ion Ratio Lower Upper

91 100

106 32.7 22.2 41.2



#53

m,p-Xylene

Concen: 24.471 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000535.D

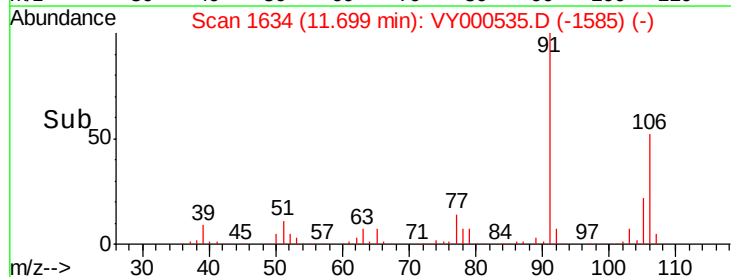
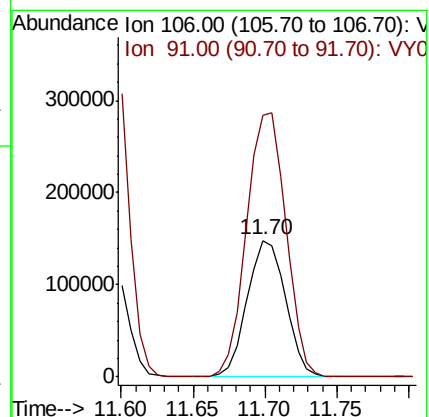
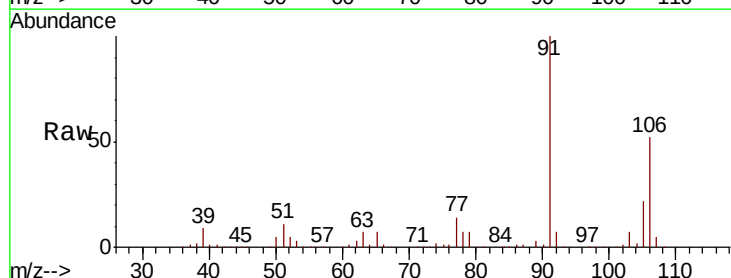
Acq: 05 Nov 2019 13:07

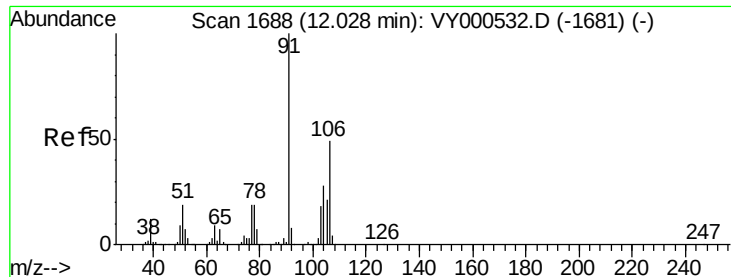
Tgt Ion: 106 Resp: 272915

Ion Ratio Lower Upper

106 100

91 192.0 138.8 257.8





#54

o-Xylene

Concen: 23.928 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampled :

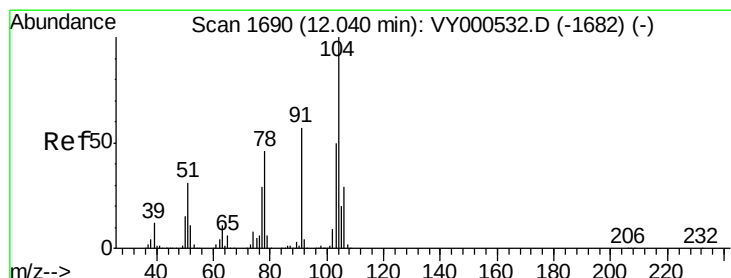
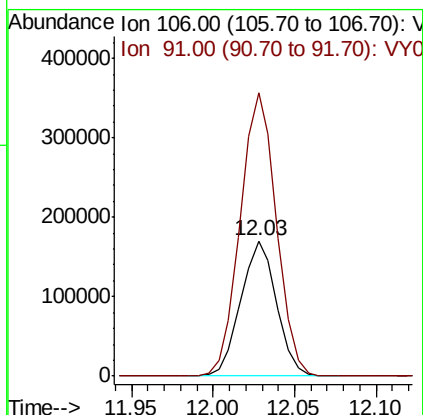
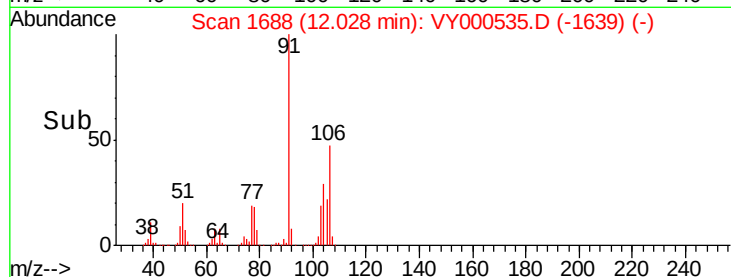
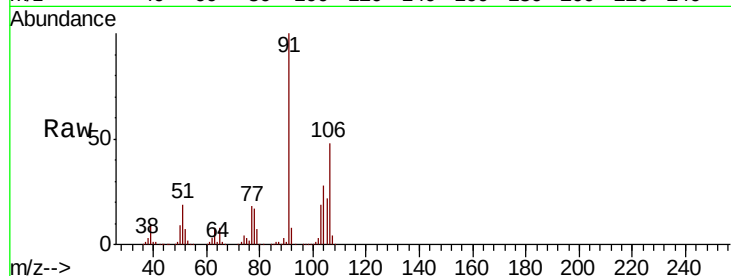
VICV821

Tot Ion:106 Resp: 259177

Ion Ratio Lower Upper

106 100

91 209.8 143.6 266.6



#55

Styrene

Concen: 24.745 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000535.D

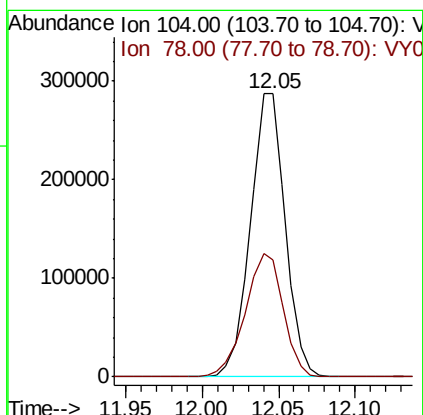
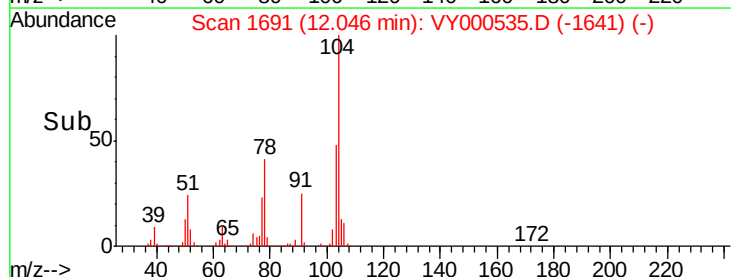
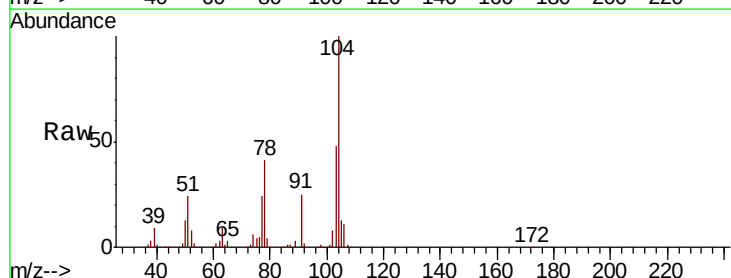
Acq: 05 Nov 2019 13:07

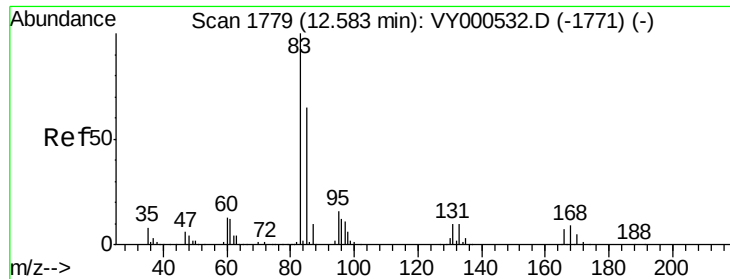
Tgt Ion:104 Resp: 453278

Ion Ratio Lower Upper

104 100

78 41.3 32.3 60.1

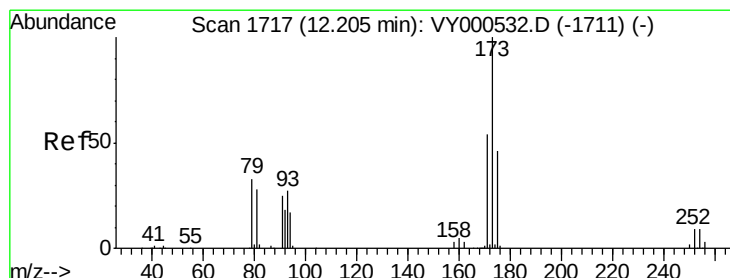
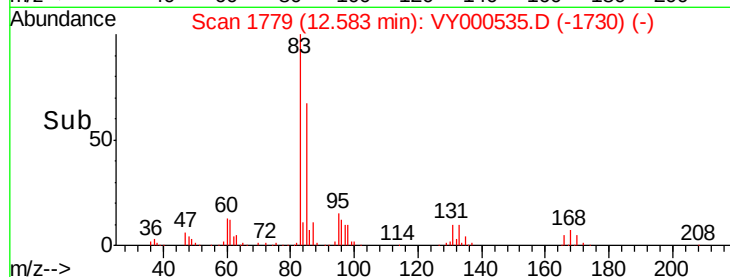
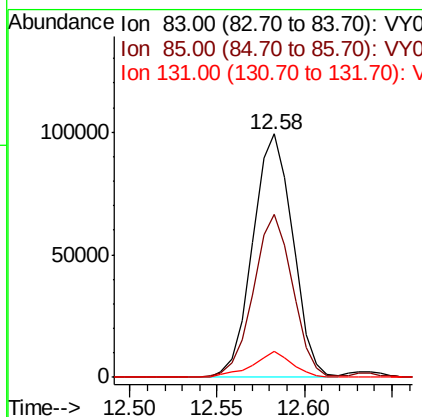
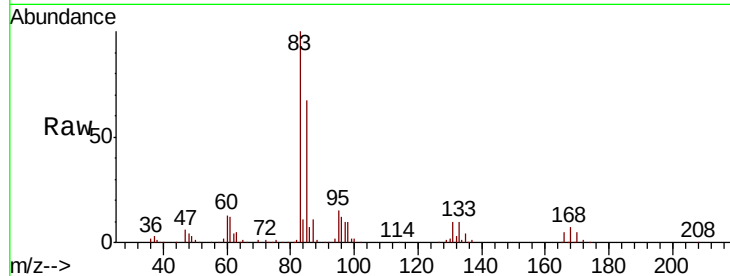




#57
 1,1,2,2-Tetrachloroethane
 Concen: 22.522 ug/L
 RT: 12.58 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

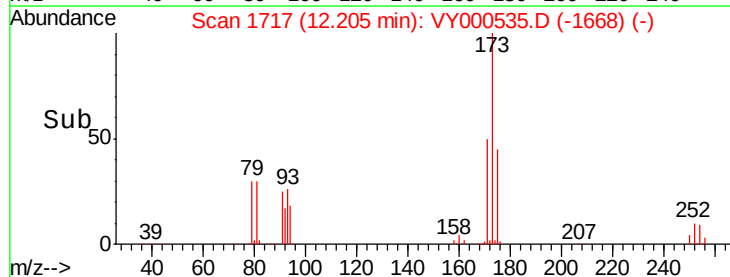
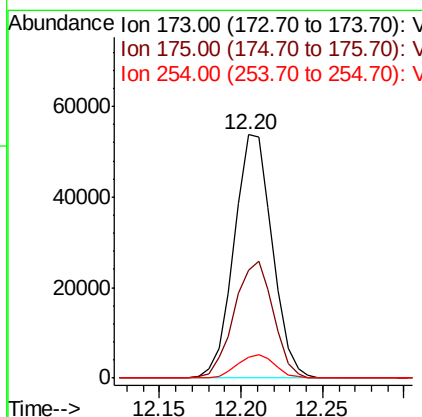
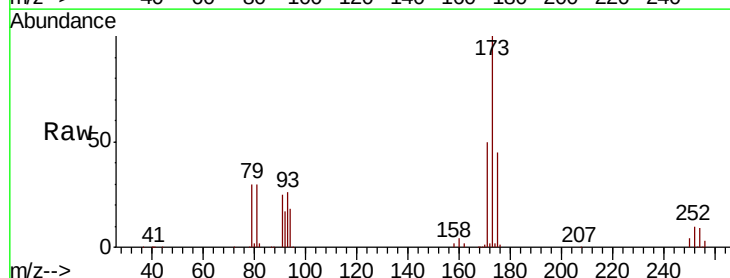
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV821

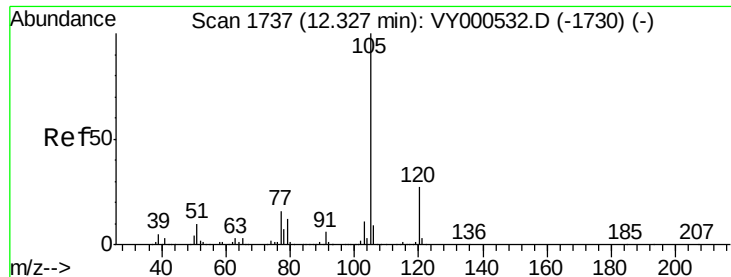
Tot Ion: 83 Resp: 157966
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.4 84.2
 131 10.5 7.9 11.9



#59
 Bromoform
 Concen: 23.322 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Tgt Ion: 173 Resp: 87769
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.2 57.2
 254 9.6 7.8 11.8





#60

Isopropylbenzene

Concen: 24.777 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VICV821

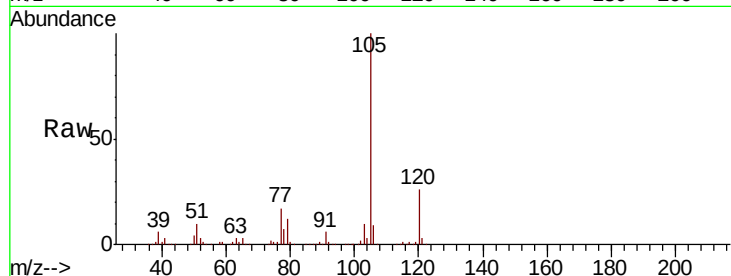
Tot Ion:105 Resp: 700018

Ion Ratio Lower Upper

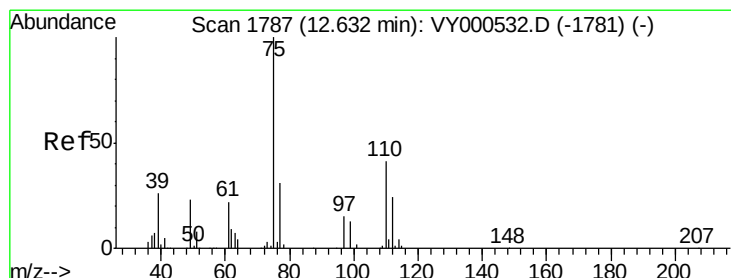
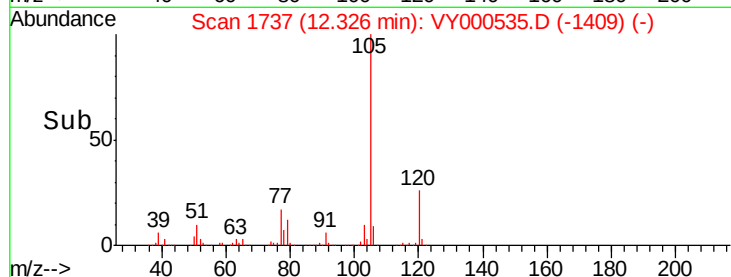
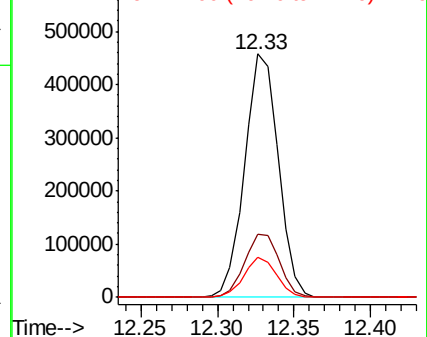
105 100

120 26.9 21.8 32.8

77 16.0 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 22.527 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

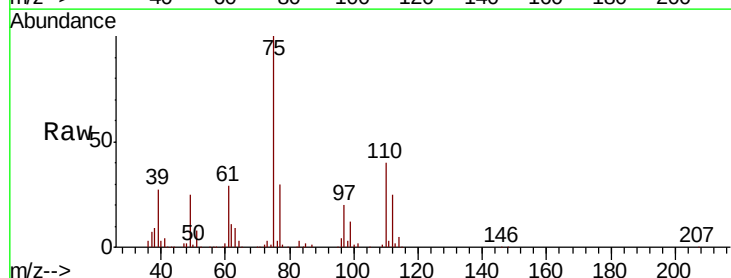
Tgt Ion: 75 Resp: 126569

Ion Ratio Lower Upper

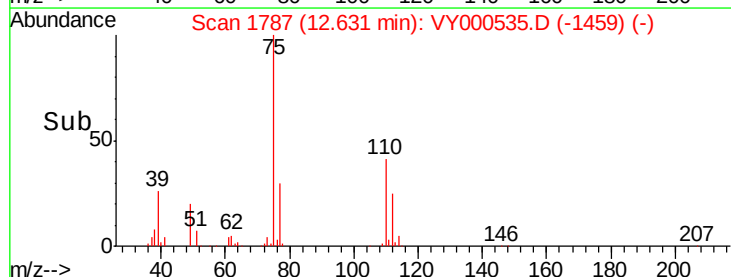
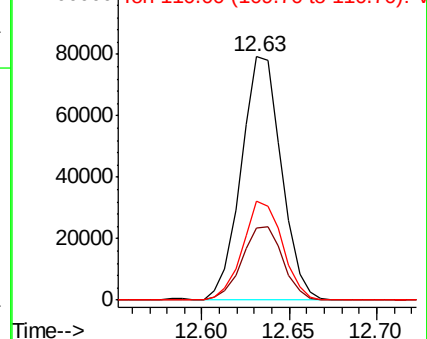
75 100

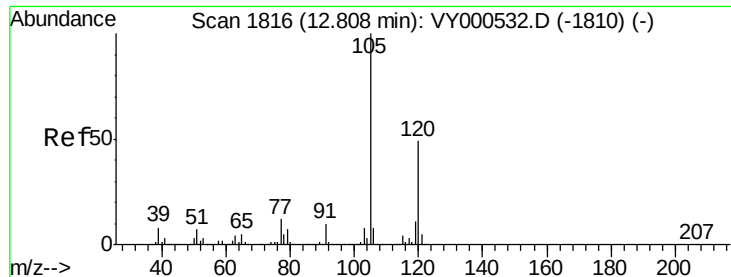
77 30.8 25.4 38.0

110 40.3 33.0 49.4



Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0
Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.107 ug/L

RT: 12.73 min Scan# 1804

Delta R.T. -0.07 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

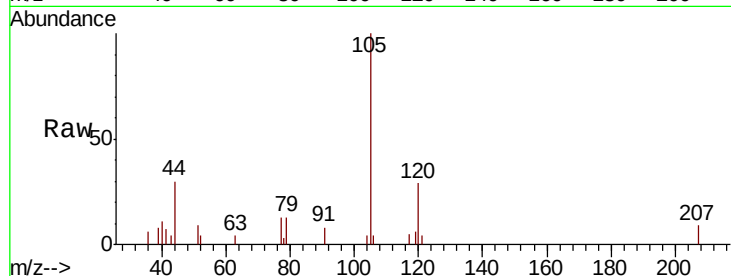
VICV821

Tot Ion:105 Resp: 2488

Ion Ratio Lower Upper

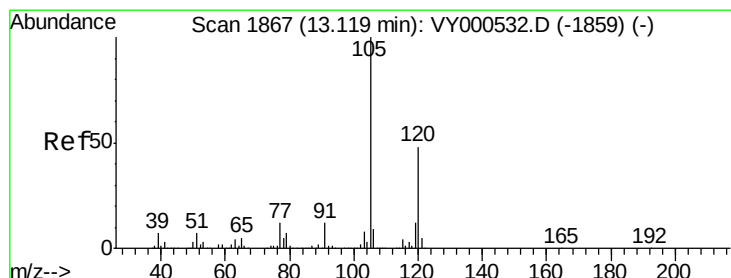
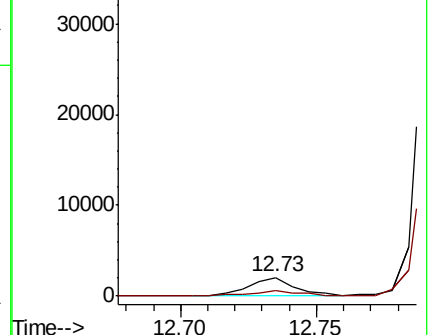
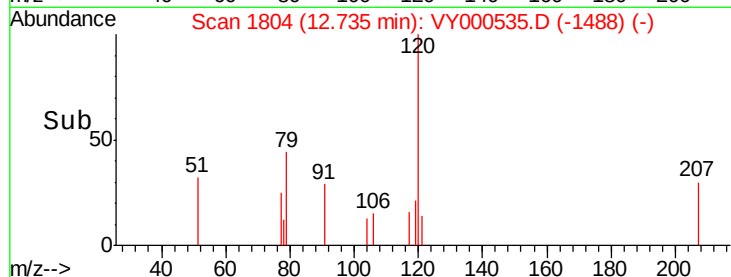
105 100

120 32.2 25.9 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 24.722 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000535.D

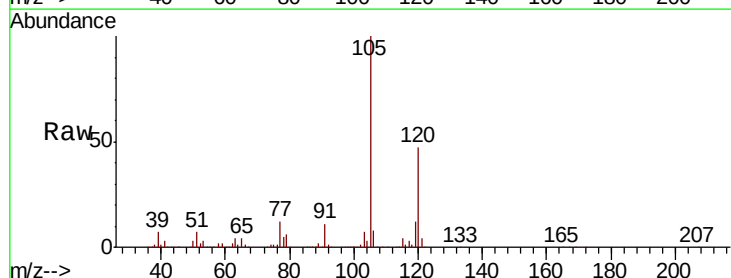
Acq: 05 Nov 2019 13:07

Tgt Ion:105 Resp: 564434

Ion Ratio Lower Upper

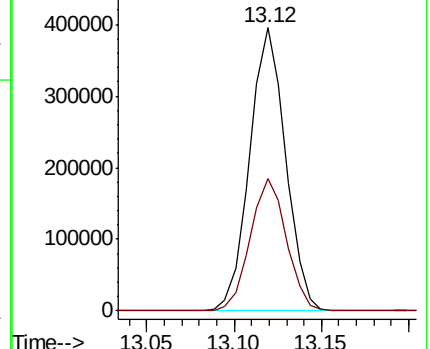
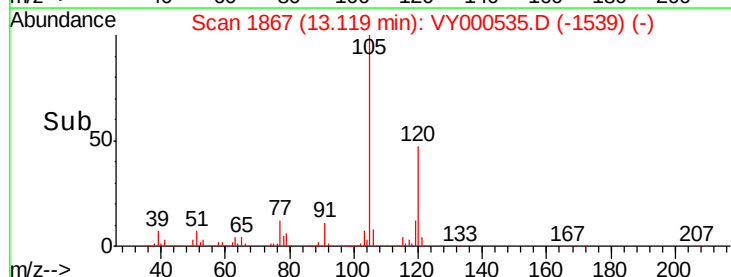
105 100

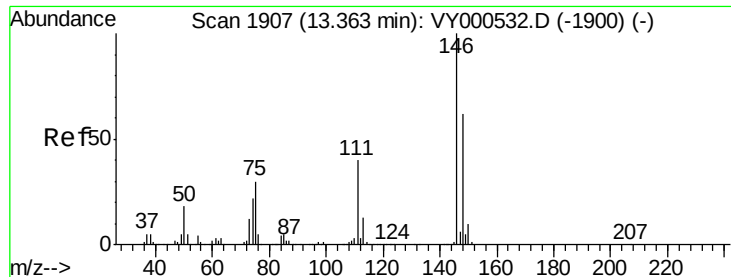
120 47.0 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 24.238 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampled :

VICV821

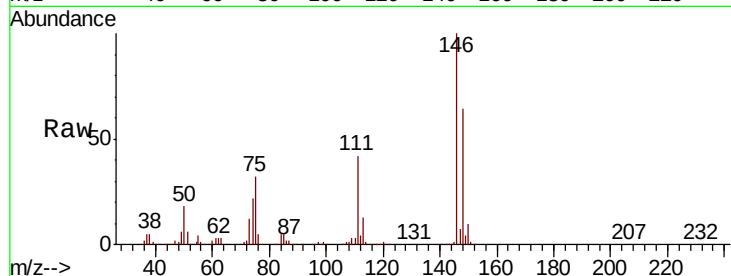
Tot Ion:146 Resp: 306972

Ion Ratio Lower Upper

146 100

111 42.4 27.9 51.7

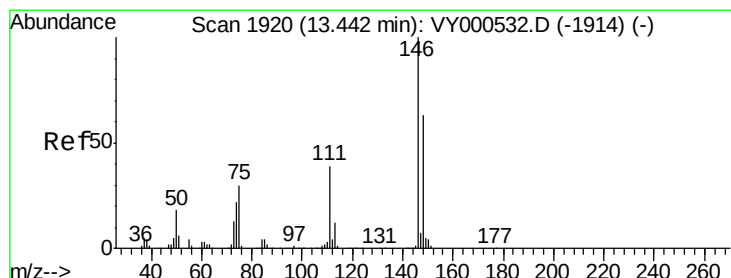
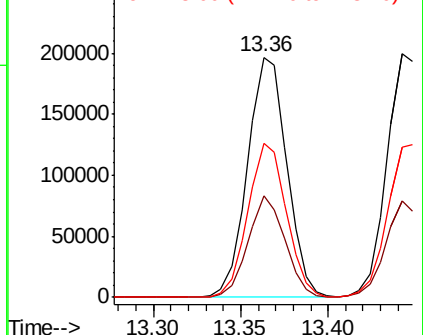
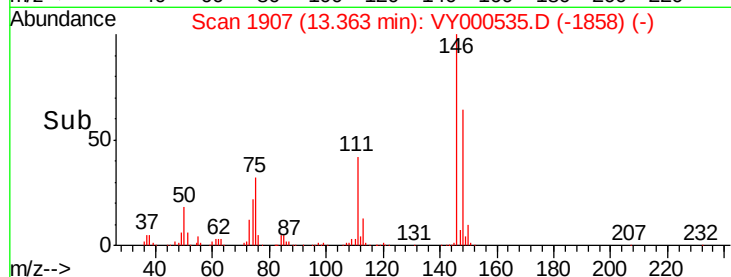
148 64.0 43.5 80.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 24.455 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

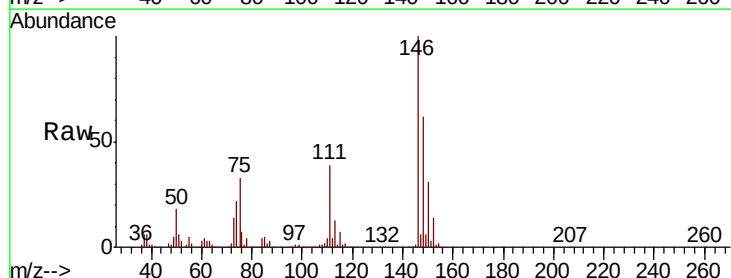
Tgt Ion:146 Resp: 311635

Ion Ratio Lower Upper

146 100

111 39.4 27.4 50.8

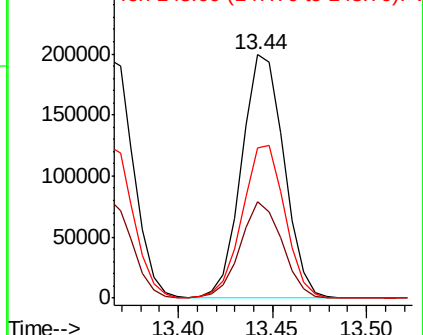
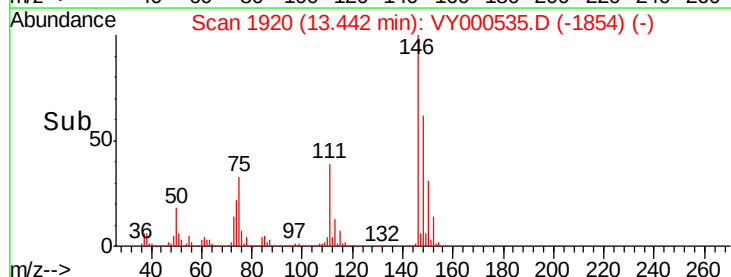
148 61.5 44.4 82.5

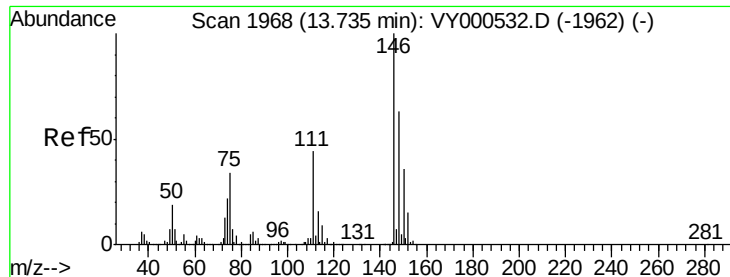


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

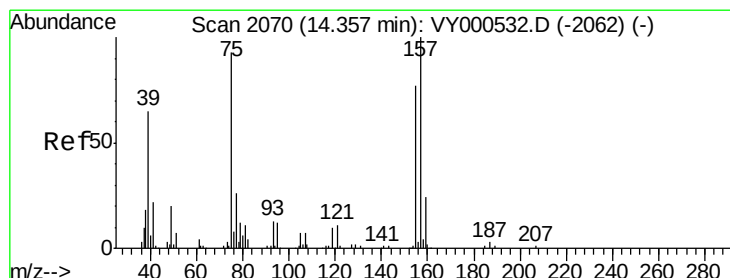
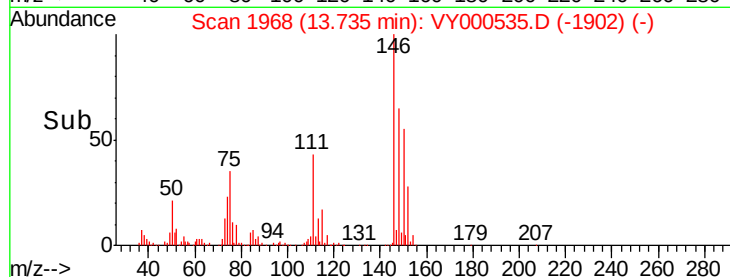
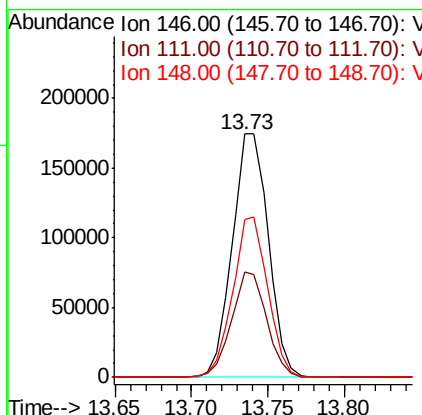
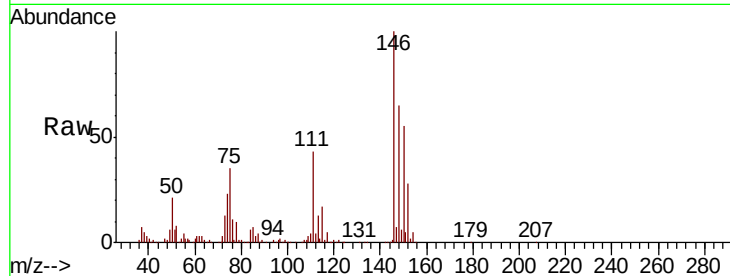




#67
 1,2-Dichlorobenzene
 Concen: 24.037 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

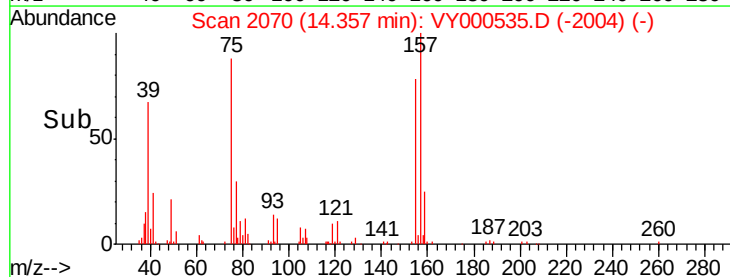
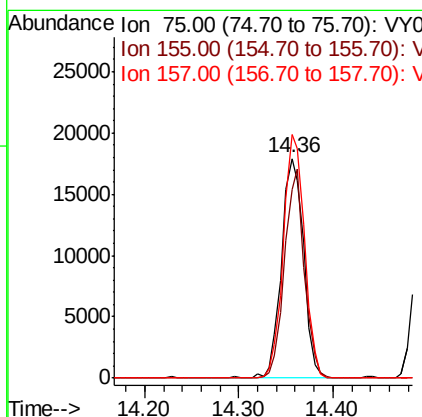
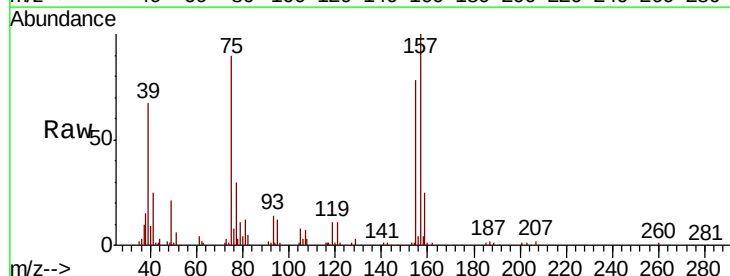
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV821

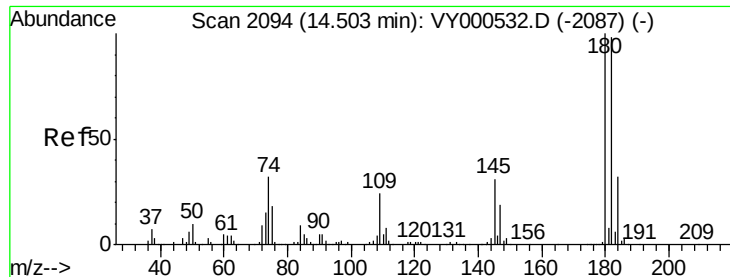
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	35.6	53.4
148	64.7	50.8	76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 22.367 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	66.3	99.5
157	110.8	86.4	129.6

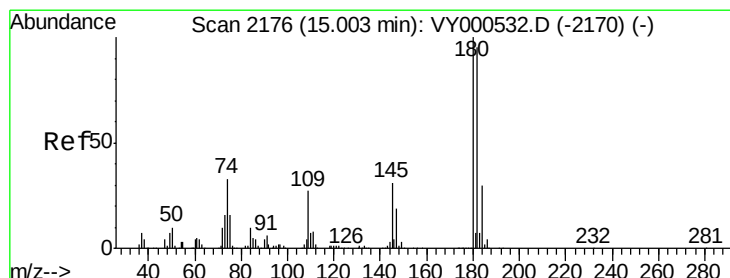
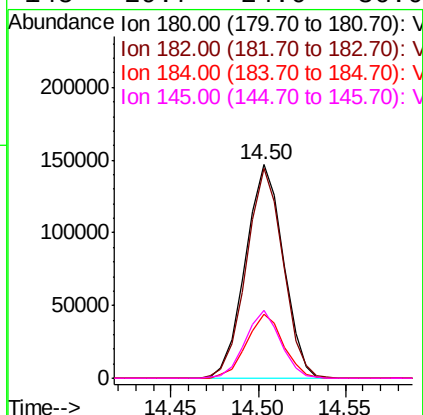
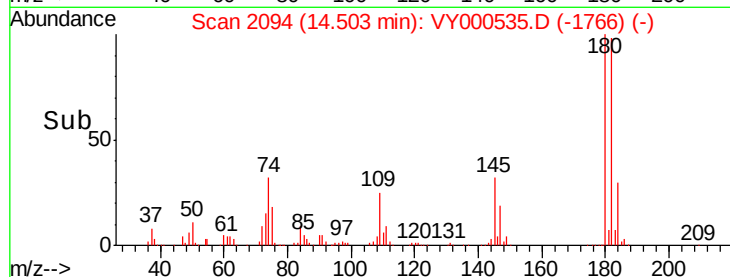
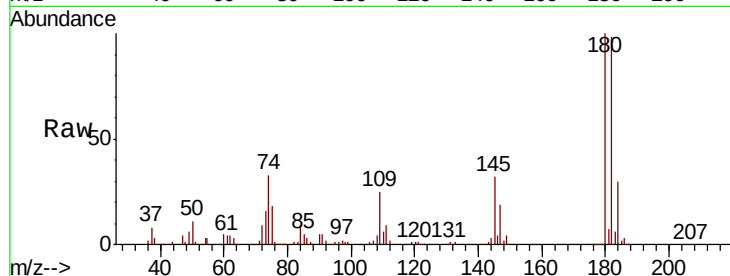




#69
 1,3,5-Trichlorobenzene
 Concen: 25.328 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

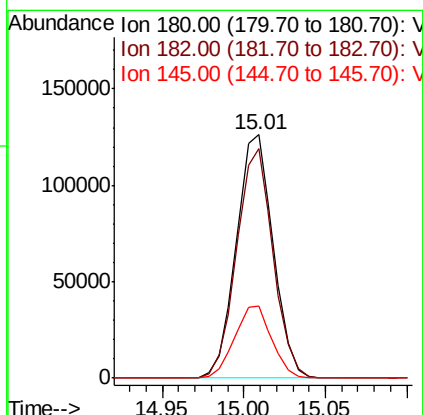
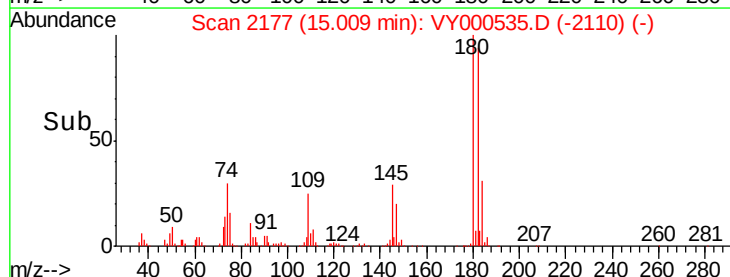
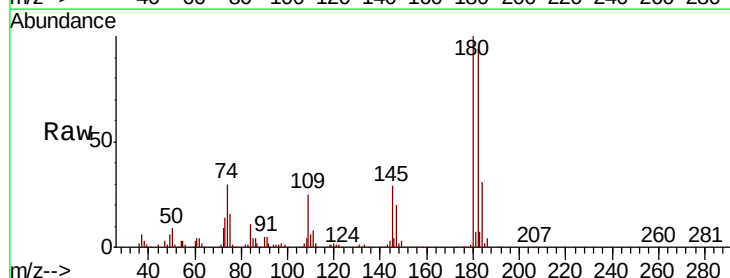
Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV821

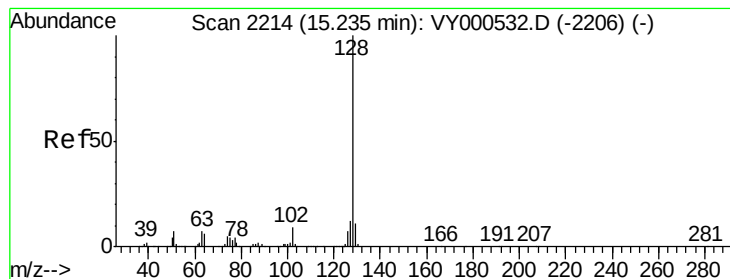
Tot Ion:180	Resp:	221410
Ion Ratio	Lower	Upper
180	100	
182	95.2	76.1 114.1
184	29.1	24.5 36.7
145	29.7	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 24.864 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000535.D
 Acq: 05 Nov 2019 13:07

Tgt Ion:180	Resp:	197975
Ion Ratio	Lower	Upper
180	100	
182	93.3	74.6 112.0
145	30.0	24.9 37.3





#71

Naphthalene

Concen: 24.492 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VICV821

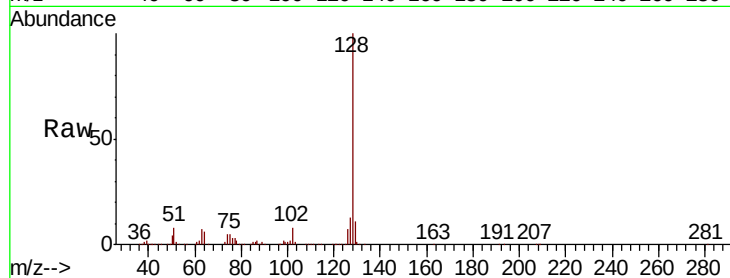
Tot Ion:128 Resp: 509456

Ion Ratio Lower Upper

128 100

127 12.3 9.9 14.9

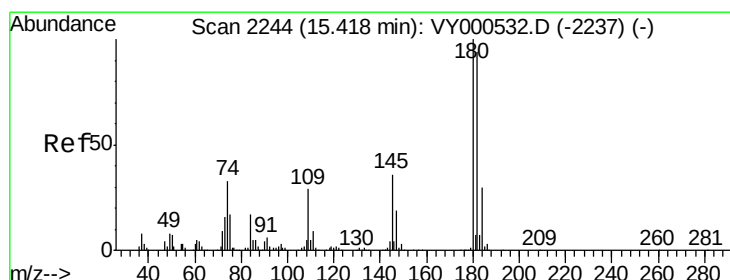
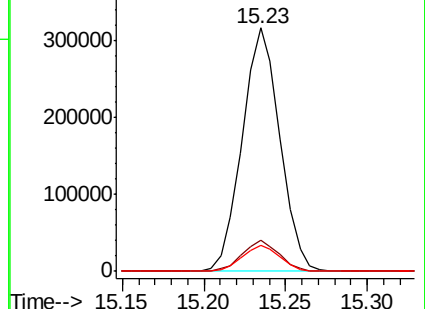
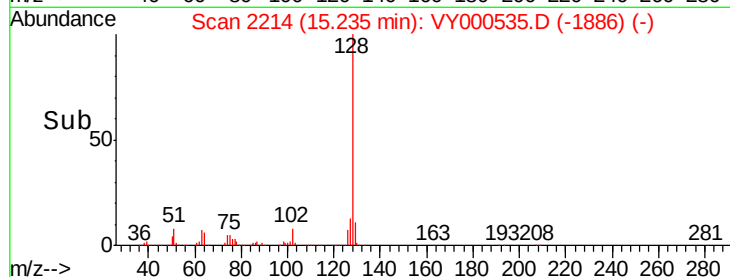
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 24.778 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY000535.D

Acq: 05 Nov 2019 13:07

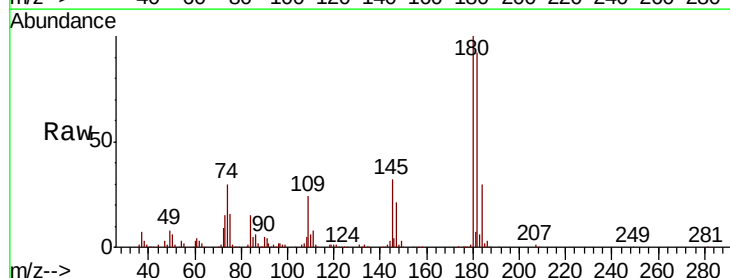
Tgt Ion:180 Resp: 182774

Ion Ratio Lower Upper

180 100

182 96.0 75.0 112.4

145 31.8 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

