

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\
 Data File : VY003814.D
 Acq On : 18 Dec 2020 12:51
 Operator : SY/MD
 Sample : L5134-01RE
 Misc : 5.62G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 00:18:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 00:17:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	258259	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	201779	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	65701	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	73459	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
7) Chloroethane-d5	2.78	69	59270	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.24%
10) 1,1-Dichloroethene-d2	3.87	63	98970	13.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.44%
20) 2-Butanone-d5	6.91	46	35413	23.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	46.12%
24) Chloroform-d	7.49	84	131580	19.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.48%
26) 1,2-Dichloroethane-d4	8.15	65	68186	17.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.92%
29) Benzene-d6	8.12	84	293853	25.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.64%
33) 1,2-Dichloropropane-d6	9.12	67	85394	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	10.18	98	250160	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.68%
38) trans-1,3-Dichloropropene-	10.44	79	34224	19.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.24%
39) 2-Hexanone-d5	10.79	63	29176	29.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	54289	17.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.32%
61) 1,2-Dichlorobenzene-d4	13.72	152	52674	22.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.28%

Target Compounds

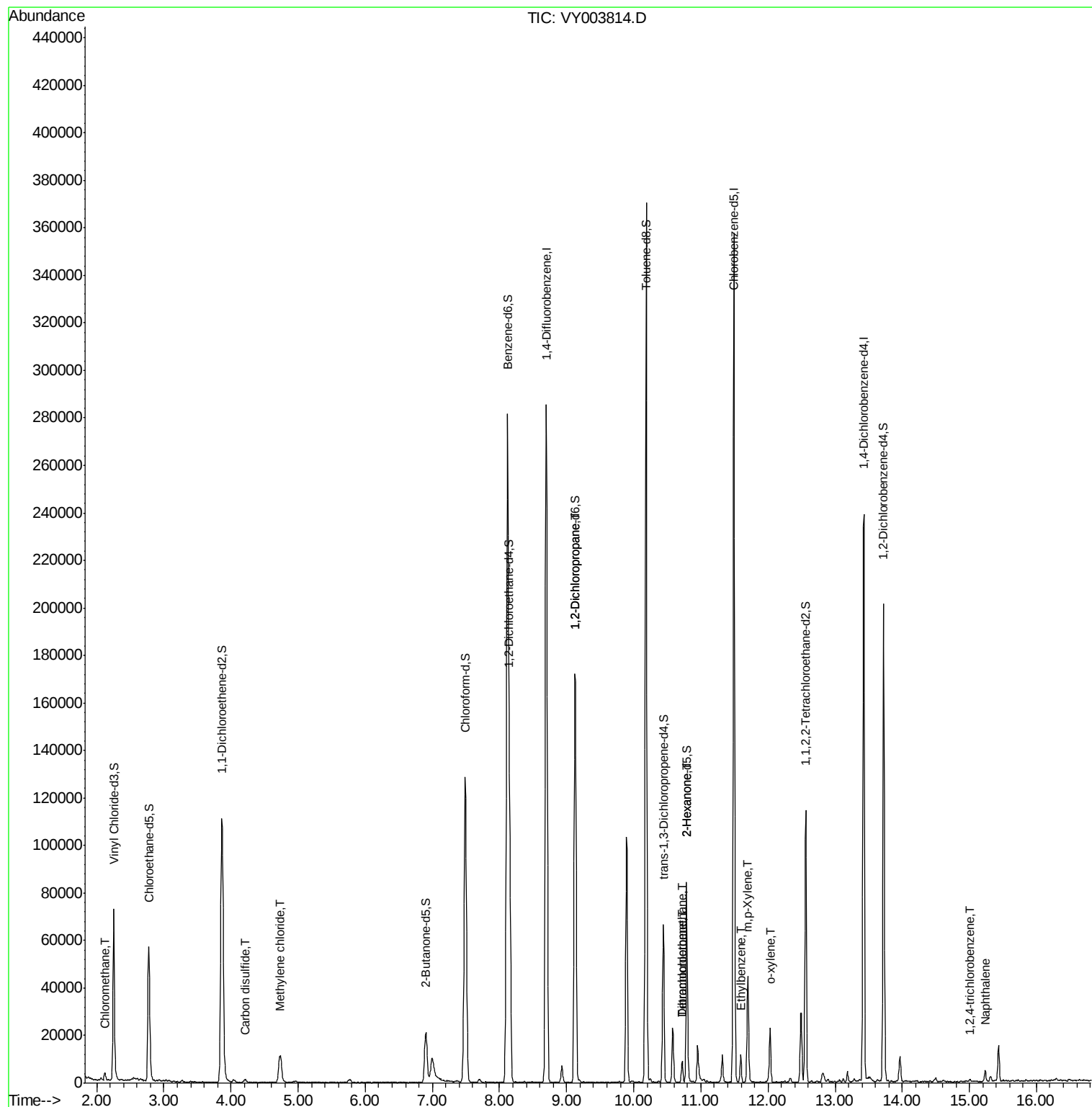
					Ovalue
3) Chloromethane	2.13	50	3085	0.766 ug/L	93
14) Carbon disulfide	4.21	76	2527	0.201 ug/L	98
16) Methylene chloride	4.73	84	4834	1.043 ug/L	92
40) 1,2-Dichloropropane	9.12	63	8961	2.693 ug/L #	87
47) Tetrachloroethene	10.72	164	1924	0.702 ug/L	95
49) 2-Hexanone	10.79	43	3481	1.572 ug/L #	62
50) Dibromochloromethane	10.72	129	1665	0.527 ug/L #	10
53) Ethylbenzene	11.59	91	8031	0.539 ug/L	96
54) m,p-Xylene	11.70	106	14252	2.480 ug/L	83
55) o-xylene	12.03	106	6143	1.139 ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	434	0.172 ug/L #	92
69) Naphthalene	15.24	128	4222	0.734 ug/L #	92

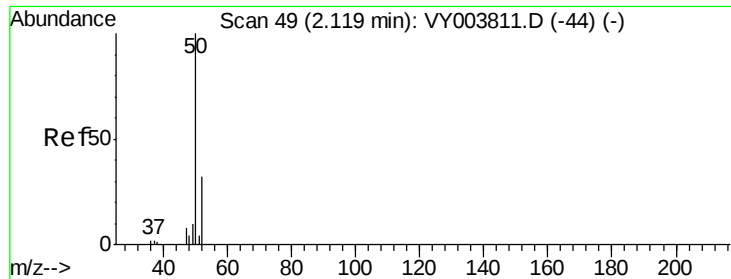
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 19 00:17:11 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.766 ug/L

RT: 2.13 min Scan# 50

Delta R.T. 0.01 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

Instrument :

MSVOA_Y

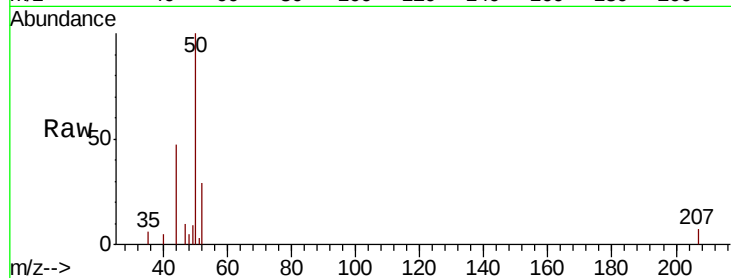
ClientSampleId :

Tot Ion: 50 Resp: 3085

Ion Ratio Lower Upper

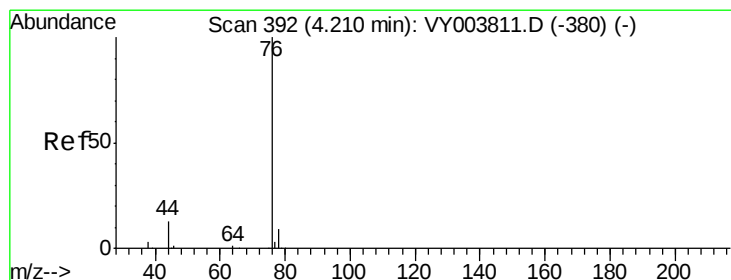
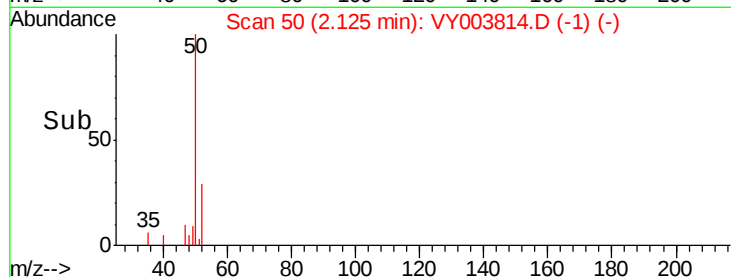
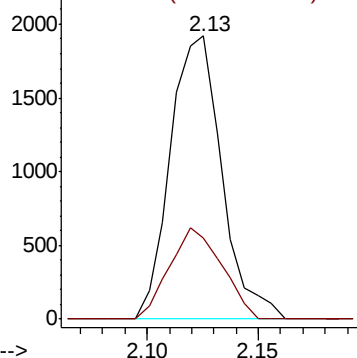
50 100

52 28.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#14

Carbon disulfide

Concen: 0.201 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003814.D

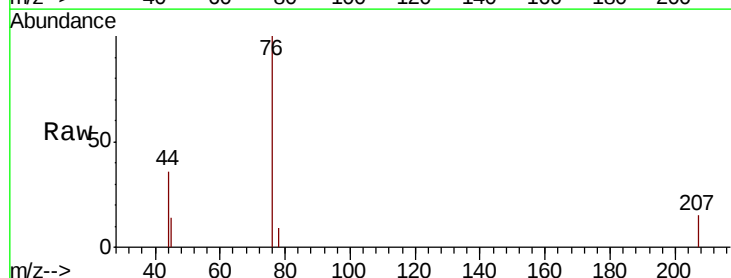
Acq: 18 Dec 2020 12:51

Tgt Ion: 76 Resp: 2527

Ion Ratio Lower Upper

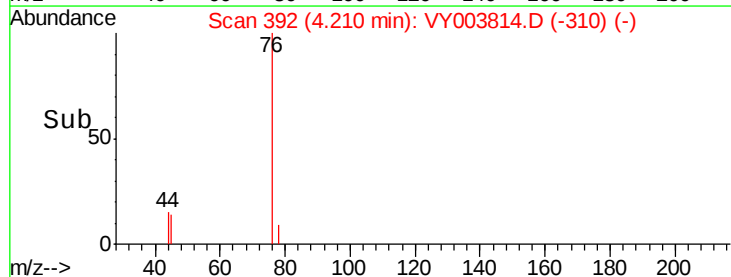
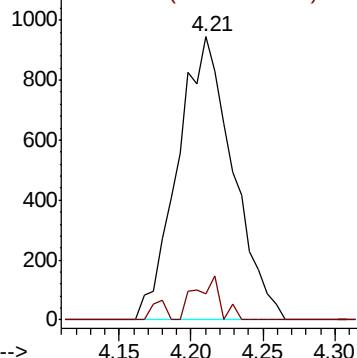
76 100

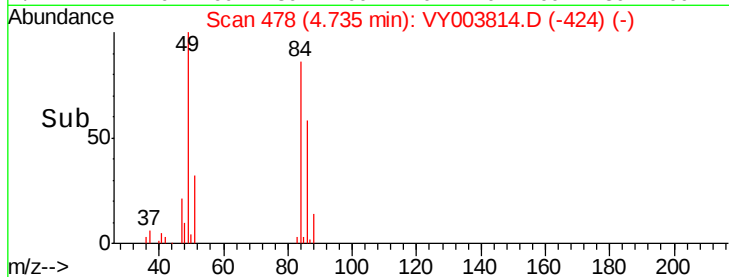
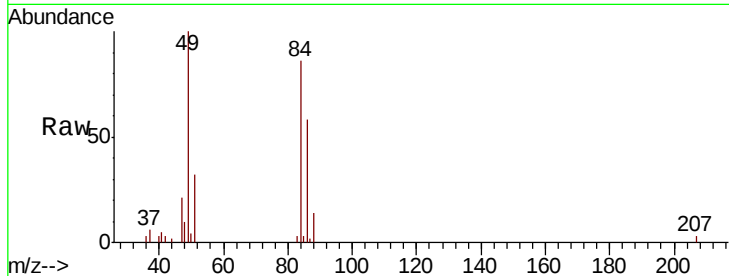
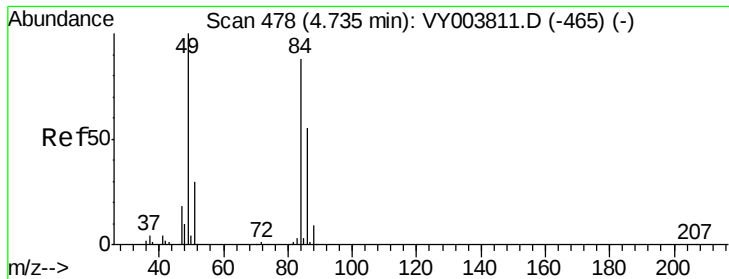
78 9.4 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

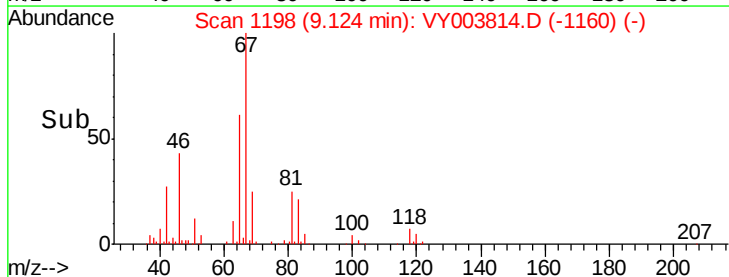
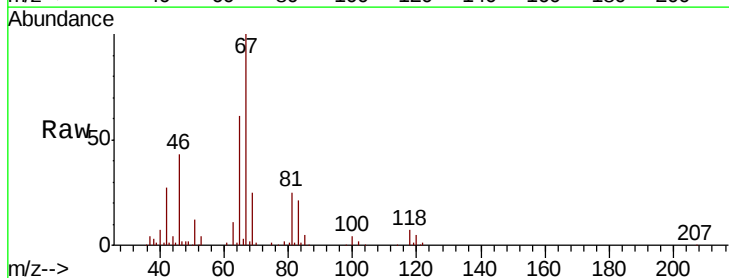
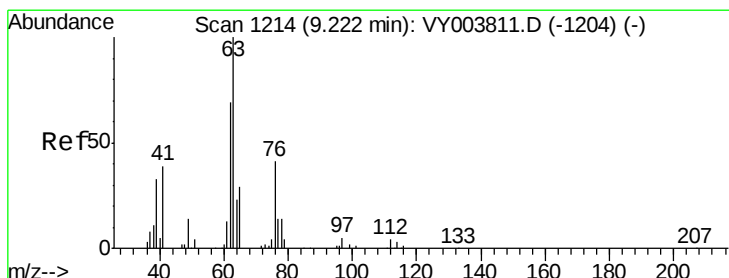
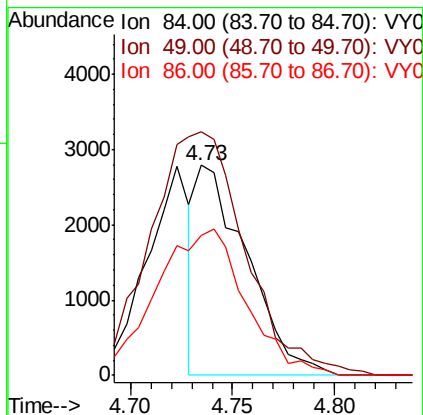




#16
Methvlene chloride
Concen: 1.043 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.00 min
Lab File: VY003814.D
Acq: 18 Dec 2020 12:51

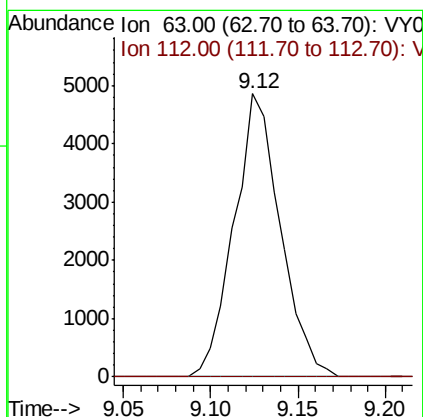
Instrument :
MSVOA_Y
ClientSampleId :

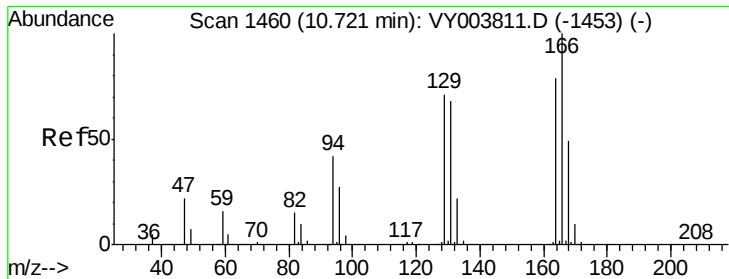
Tot Ion: 84 Resp: 4834
Ion Ratio Lower Upper
84 100
49 116.1 88.2 163.8
86 66.8 43.0 79.8



#40
1,2-Dichloropropane
Concen: 2.693 ug/L
RT: 9.12 min Scan# 1198
Delta R.T. -0.10 min
Lab File: VY003814.D
Acq: 18 Dec 2020 12:51

Tgt Ion: 63 Resp: 8961
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#

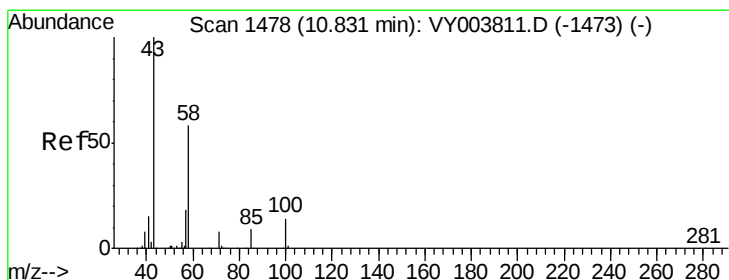
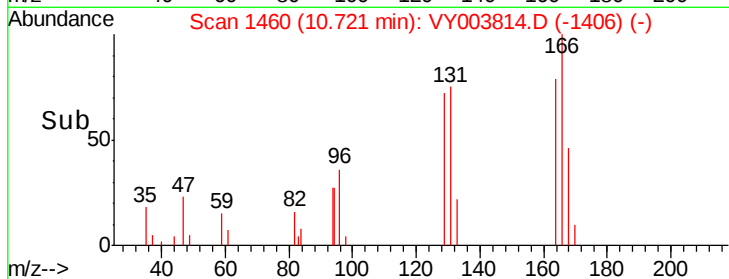
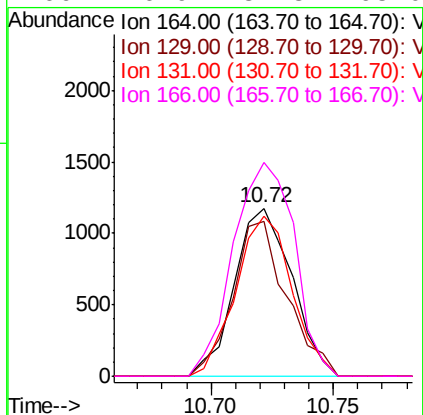
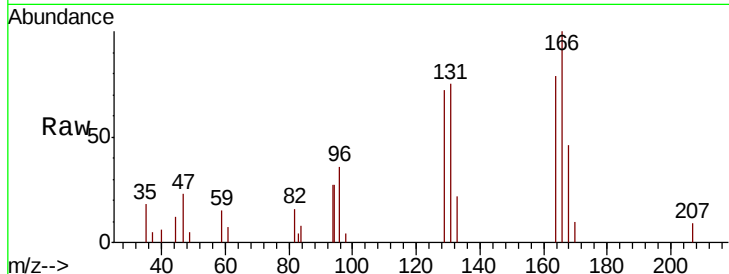




#47
Tetrachloroethene
Concen: 0.702 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. 0.00 min
Lab File: VY003814.D
Acq: 18 Dec 2020 12:51

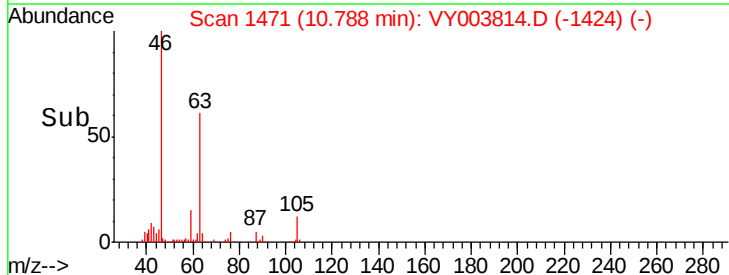
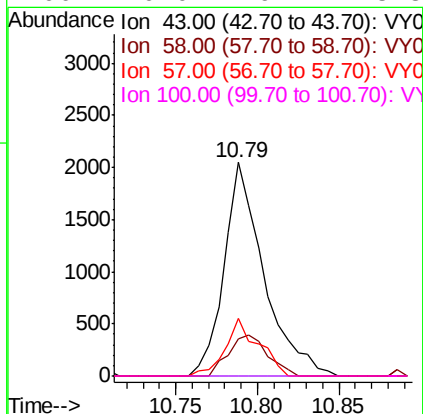
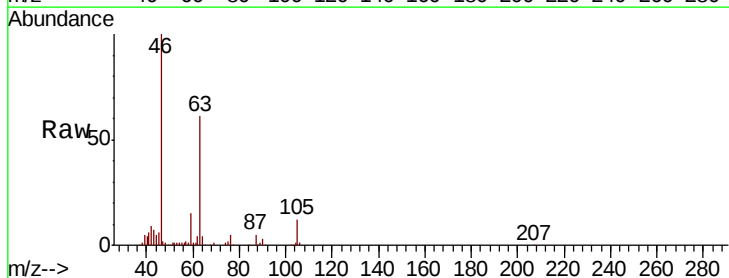
Instrument :
MSVOA_Y
ClientSampleId :

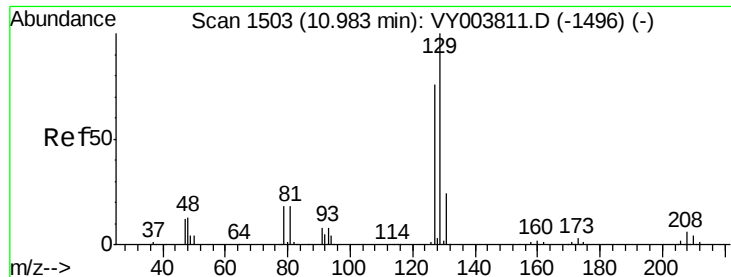
Tot Ion:164 Resp: 1924
Ion Ratio Lower Upper
164 100
129 91.9 61.3 113.9
131 95.2 60.4 112.2
166 126.9 87.8 163.0



#49
2-Hexanone
Concen: 1.572 ug/L
RT: 10.79 min Scan# 1471
Delta R.T. -0.04 min
Lab File: VY003814.D
Acq: 18 Dec 2020 12:51

Tgt Ion: 43 Resp: 3481
Ion Ratio Lower Upper
43 100
58 18.8 43.0 64.4#
57 22.5 14.1 21.1#
100 0.0 9.2 13.8#

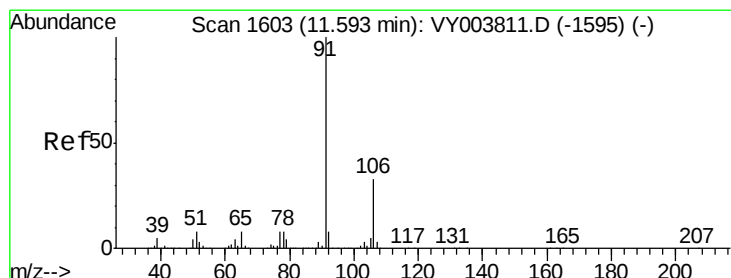
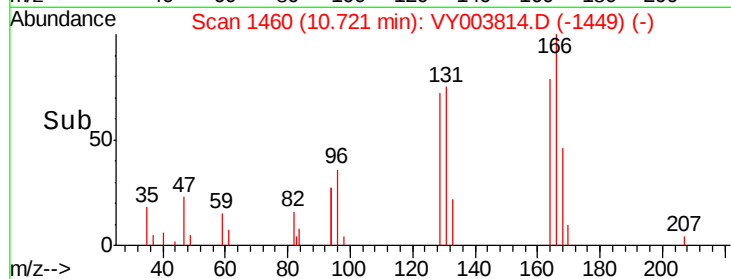
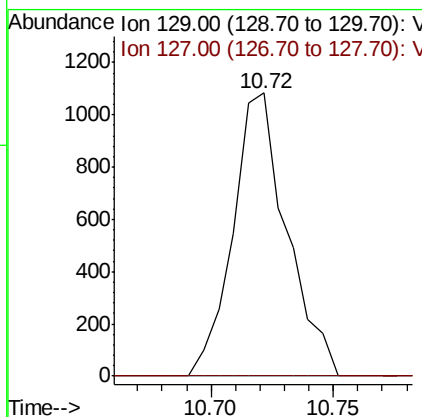
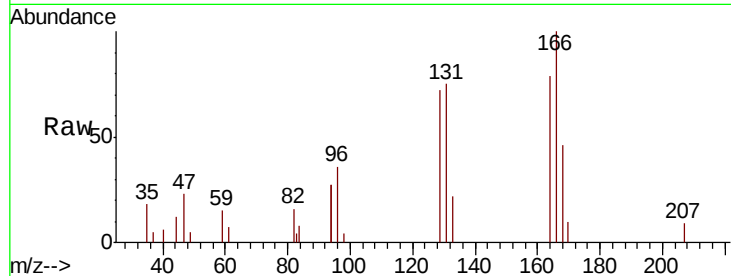




#50
Dibromochloromethane
Concen: 0.527 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.26 min
Lab File: VY003814.D
Acq: 18 Dec 2020 12:51

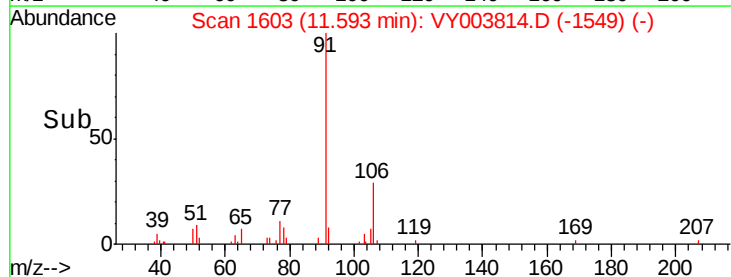
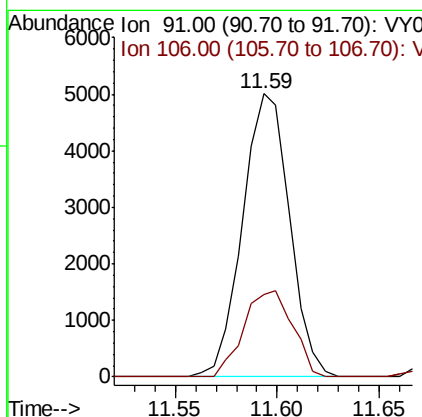
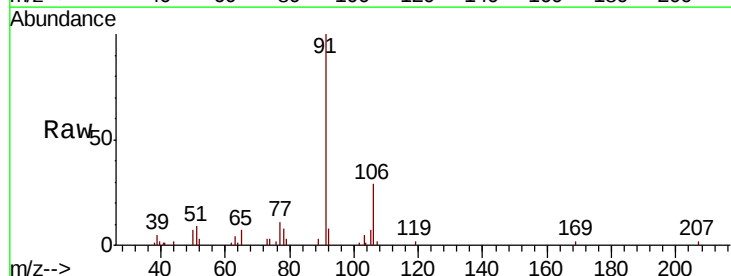
Instrument :
MSVOA_Y
ClientSampleId :

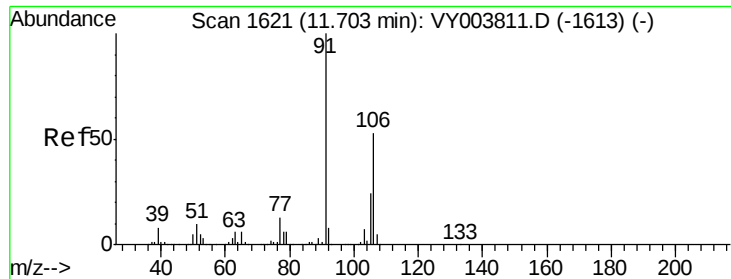
Tot Ion:129 Resp: 1665
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#



#53
Ethylbenzene
Concen: 0.539 ug/L
RT: 11.59 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY003814.D
Acq: 18 Dec 2020 12:51

Tgt Ion: 91 Resp: 8031
Ion Ratio Lower Upper
91 100
106 29.1 22.0 41.0





#54

m,p-Xylene

Concen: 2.480 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

Instrument :

MSVOA_Y

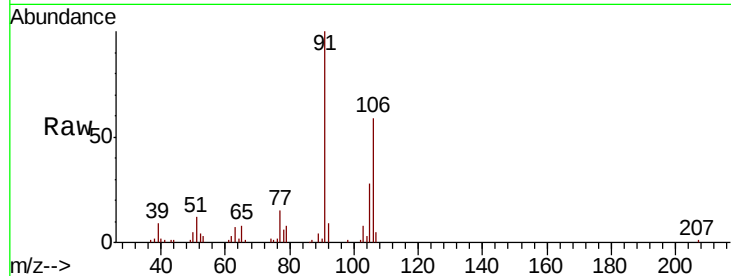
ClientSampleId :

Tot Ion:106 Resp: 14252

Ion Ratio Lower Upper

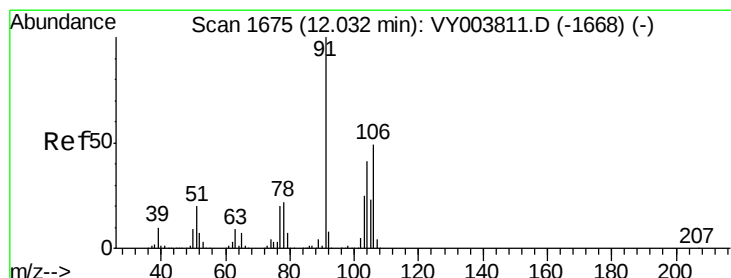
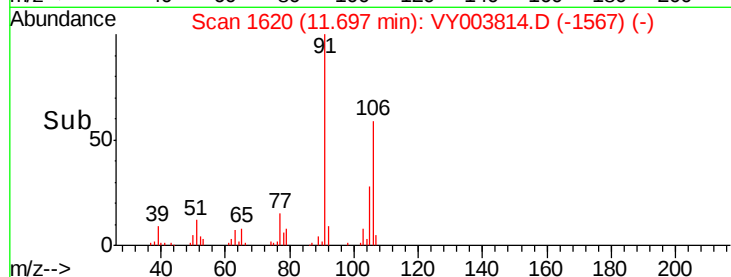
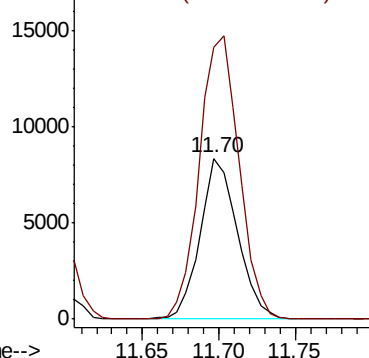
106 100

91 169.2 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 1.139 ug/L

RT: 12.03 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VY003814.D

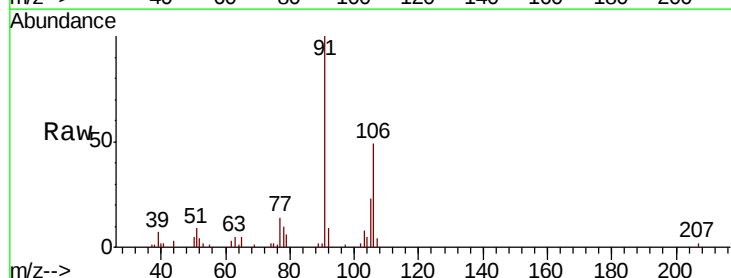
Acq: 18 Dec 2020 12:51

Tgt Ion:106 Resp: 6143

Ion Ratio Lower Upper

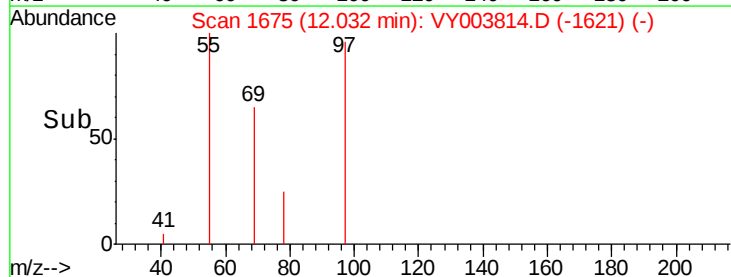
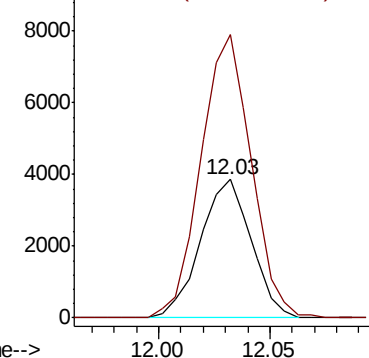
106 100

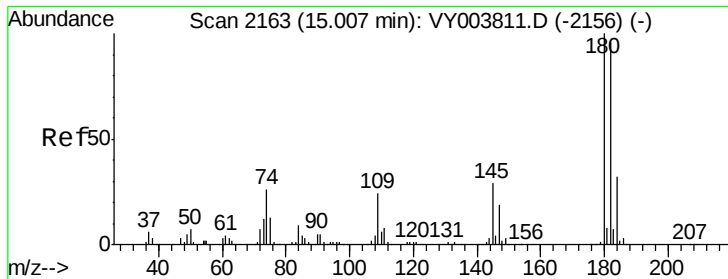
91 204.2 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#68

1,2,4-trichlorobenzene

Concen: 0.172 ug/L

RT: 15.01 min Scan# 2163

Delta R.T. 0.00 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

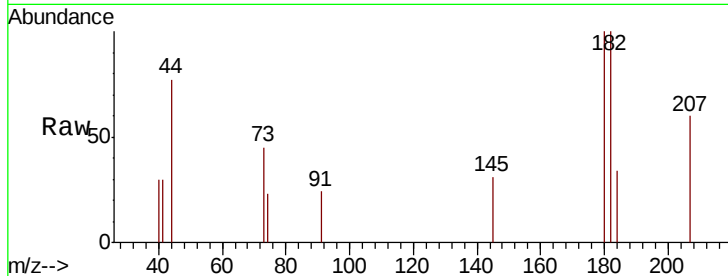
Tot Ion:180 Resp: 434

Ion Ratio Lower Upper

180 100

182 95.4 76.8 115.2

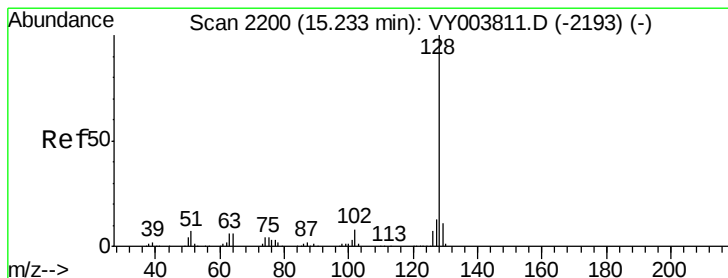
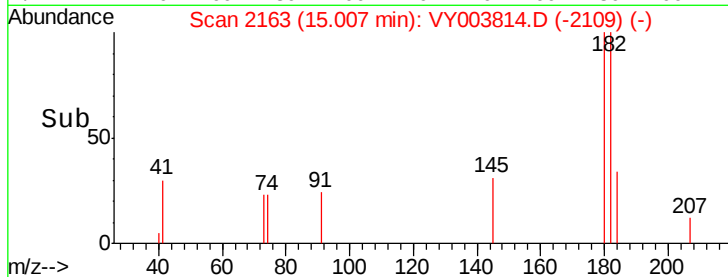
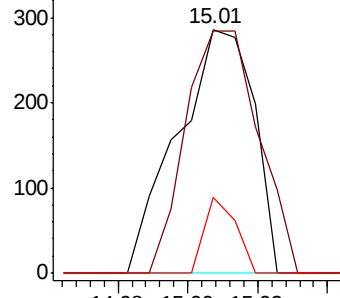
145 12.7 23.7 35.5#



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



#69

Naphthalene

Concen: 0.734 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VY003814.D

Acq: 18 Dec 2020 12:51

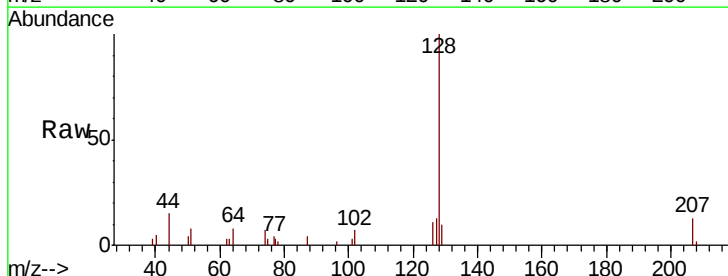
Tgt Ion:128 Resp: 4222

Ion Ratio Lower Upper

128 100

129 5.9 8.6 12.8#

127 14.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

