

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003552.D
 Acq On : 19 Nov 2020 16:54
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Quant Time: Nov 20 01:46:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 01:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	226811	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	96641	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	50973	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.56%
7) Chloroethane-d5	2.77	69	48637	20.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.88%
10) 1,1-Dichloroethene-d2	3.86	63	98309	15.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.64%
20) 2-Butanone-d5	6.91	46	59848	47.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.96%
24) Chloroform-d	7.49	84	134373	23.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	8.14	65	78576	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	8.11	84	282112	23.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.44%
33) 1,2-Dichloropropane-d6	9.13	67	84120	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	10.18	98	250815	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.72%
38) trans-1,3-Dichloropropene-	10.44	79	40494	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	10.79	63	44256	48.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	73016	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.72%
61) 1,2-Dichlorobenzene-d4	13.72	152	79726	25.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.92	85	1192	0.992	ug/L	85
3) Chloromethane	2.11	50	3268	1.292	ug/L	97
5) Vinyl chloride	2.26	62	3832	1.268	ug/L #	34
6) Bromomethane	2.67	94	2974	1.268	ug/L	94
8) Chloroethane	2.81	64	2510	1.223	ug/L	86
9) Trichlorofluoromethane	3.13	101	3034	1.047	ug/L #	66
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	1526	0.508	ug/L #	41
12) 1,1-Dichloroethene	3.88	96	4012	1.277	ug/L #	1
13) Acetone	3.98	43	3125	3.453	ug/L	73
14) Carbon disulfide	4.21	76	12144	1.167	ug/L	97
15) Methyl Acetate	4.49	43	2288	0.996	ug/L	98
16) Methylene chloride	4.73	84	12518	3.219	ug/L	93
18) trans-1,2-Dichloroethene	5.24	96	4003	1.209	ug/L	85
19) 1,1-Dichloroethane	6.03	63	4385	0.784	ug/L	96
22) cis-1,2-Dichloroethene	7.00	96	4374	1.286	ug/L #	76
23) Bromochloromethane	7.35	128	2126	1.291	ug/L	79
25) Chloroform	7.51	83	7297	1.312	ug/L #	72

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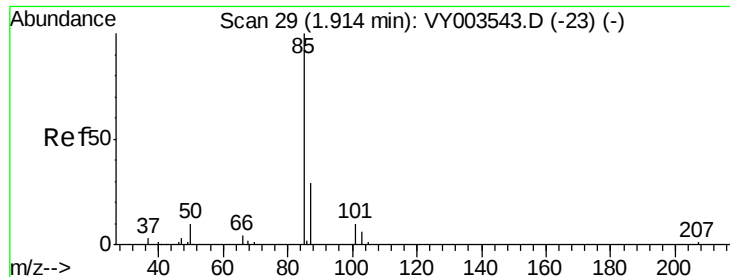
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Quant Time: Nov 20 01:46:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	8.24	62	4981	1.326	ug/L	100
30) Cyclohexane	7.79	56	4973	0.997	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	3153	0.707	ug/L #	50
32) Carbon tetrachloride	7.91	117	4580	1.080	ug/L	91
34) Benzene	8.16	78	16220	1.254	ug/L	100
35) Trichloroethene	8.94	95	3848	1.175	ug/L	96
36) Methylcyclohexane	9.19	83	5890	1.150	ug/L #	81
40) 1,2-Dichloropropane	9.22	63	3989	1.251	ug/L	98
41) Bromodichloromethane	9.50	83	4987	1.225	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	5906	1.174	ug/L	94
43) 4-Methyl-2-pentanone	10.07	43	7814	2.928	ug/L	98
44) Toluene	10.24	91	16446	1.206	ug/L	98
45) trans-1,3-Dichloropropene	10.46	75	5645	1.219	ug/L	95
46) 1,1,2-Trichloroethane	10.64	97	3201	1.256	ug/L	93
47) Tetrachloroethene	10.72	164	3595	1.263	ug/L	93
49) 2-Hexanone	10.83	43	4610	2.187	ug/L	96
50) Dibromochloromethane	10.99	129	3569	1.162	ug/L	99
51) 1,2-Dibromoethane	11.09	107	3208	1.263	ug/L	94
52) Chlorobenzene	11.52	112	10409	1.195	ug/L	97
53) Ethylbenzene	11.59	91	15406	1.100	ug/L	100
54) m,p-Xylene	11.70	106	6063	1.125	ug/L	98
55) o-xylene	12.03	106	4771	1.060	ug/L	96
56) Styrene	12.04	104	9162	1.040	ug/L	90
57) Isopropylbenzene	12.33	105	10530	1.034	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.58	83	3680	1.224	ug/L #	99
59) 1,2,3-Trichloropropane	12.63	75	2805	1.199	ug/L	98
62) Bromoform	12.20	173	2384	1.215	ug/L #	39
63) 1,3-Dichlorobenzene	13.36	146	7093	1.163	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	8433	1.343	ug/L	91
65) 1,2-Dichlorobenzene	13.73	146	6457	1.286	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	3981	1.231	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	3260	1.170	ug/L	96
69) Naphthalene	15.23	128	5392	1.097	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	2622	1.245	ug/L #	86

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



#2

Dichlorodifluoromethane

Concen: 0.992 ug/L

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampled :

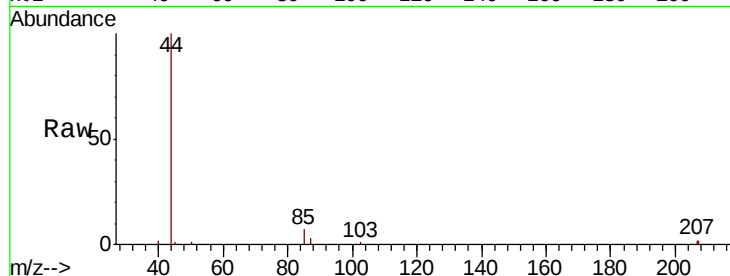
MDL05

Tot Ion: 85 Resp: 1192

Ion Ratio Lower Upper

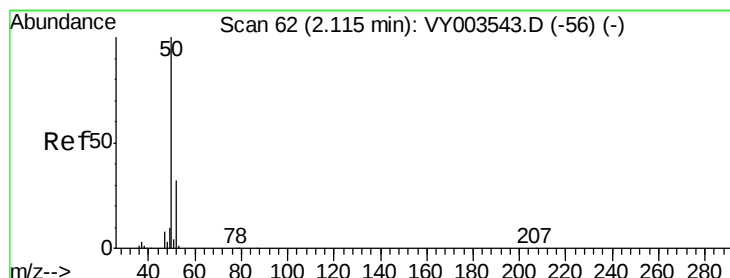
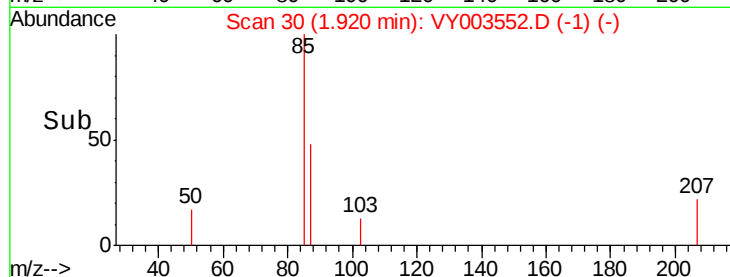
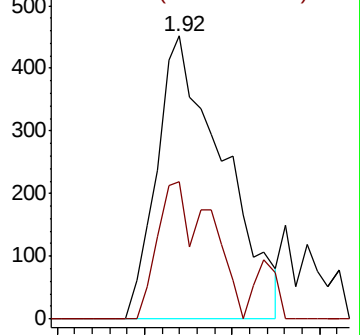
85 100

87 22.4 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 1.292 ug/L

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003552.D

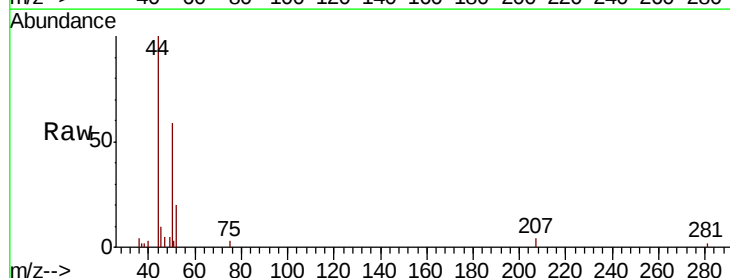
Acq: 19 Nov 2020 16:54

Tgt Ion: 50 Resp: 3268

Ion Ratio Lower Upper

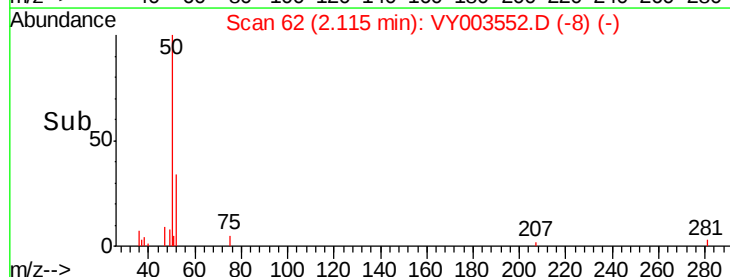
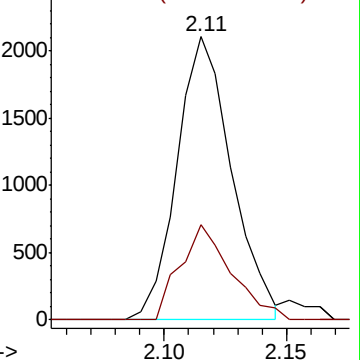
50 100

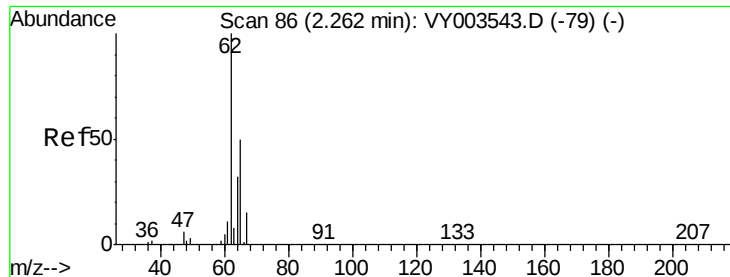
52 33.8 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 1.268 ug/L

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

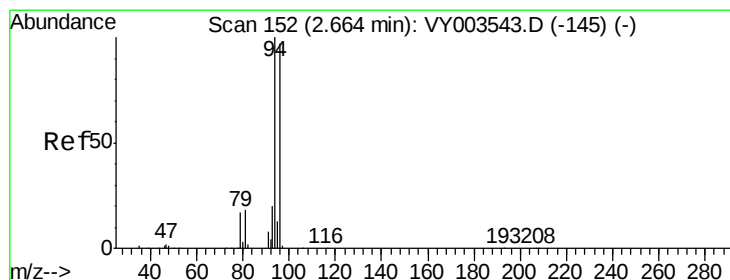
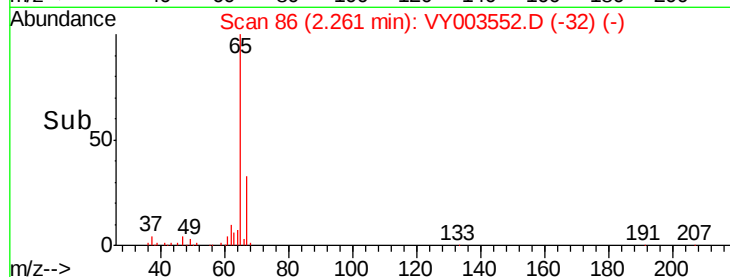
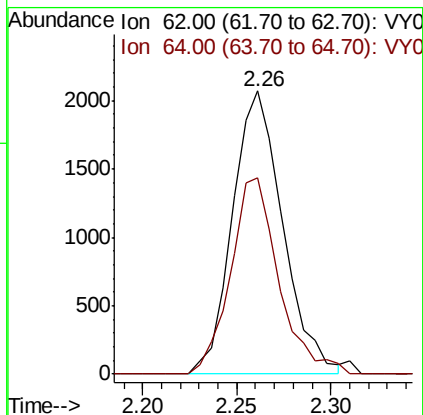
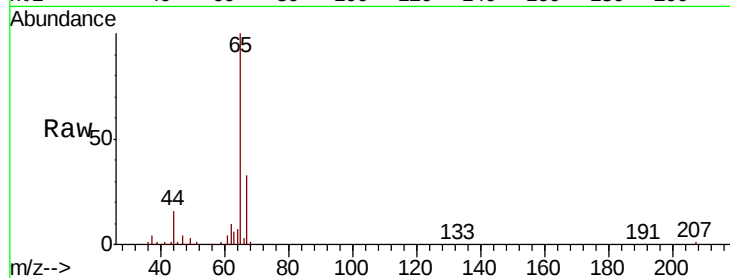
MDL05

Tot Ion: 62 Resp: 3832

Ion Ratio Lower Upper

62 100

64 69.5 22.7 42.1#



#6

Bromomethane

Concen: 1.268 ug/L

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY003552.D

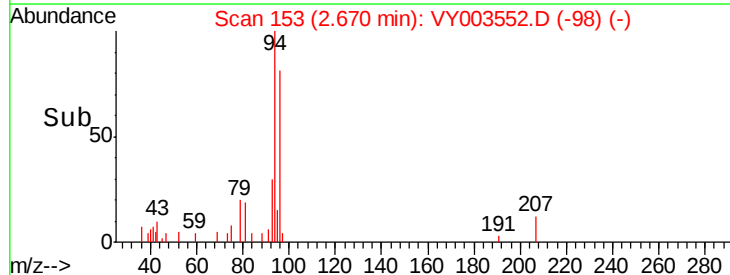
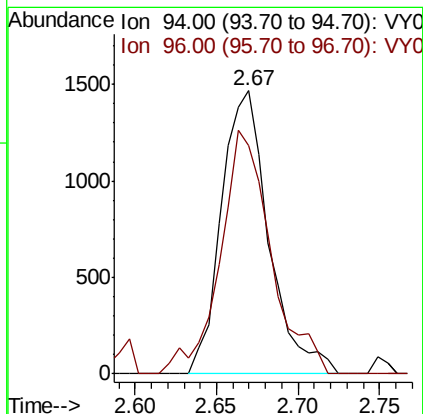
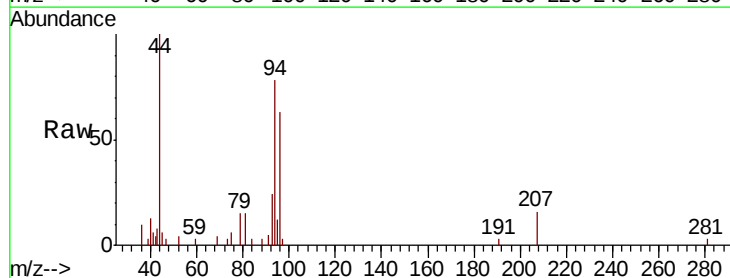
Acq: 19 Nov 2020 16:54

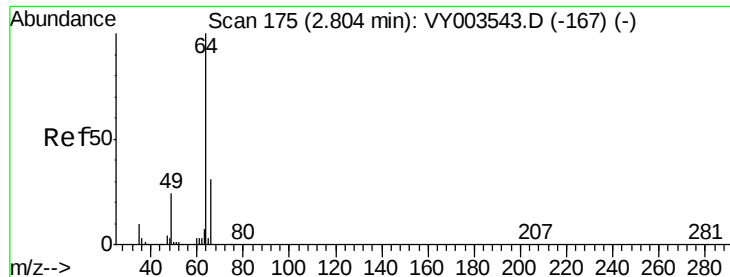
Tgt Ion: 94 Resp: 2974

Ion Ratio Lower Upper

94 100

96 88.1 9.4 178.6





#8

Chloroethane

Concen: 1.223 ug/L

RT: 2.81 min Scan# 176

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

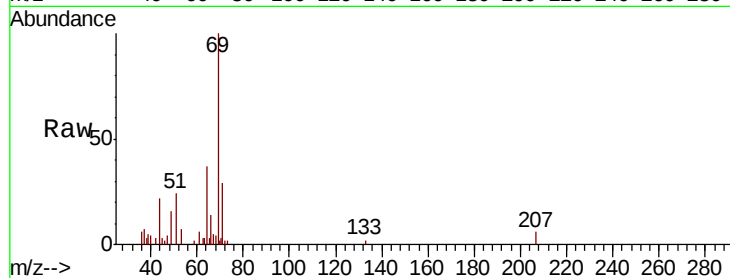
MDL05

Tot Ion: 64 Resp: 2510

Ion Ratio Lower Upper

64 100

66 38.9 21.8 40.6



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0

1200

1000

800

600

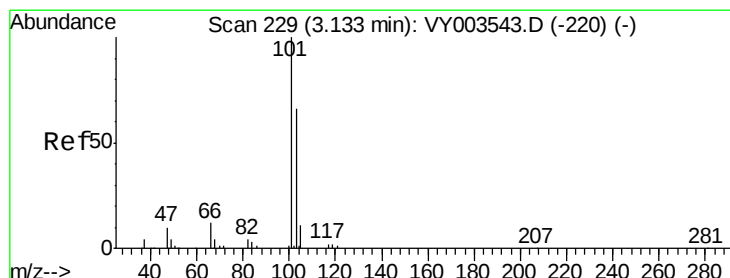
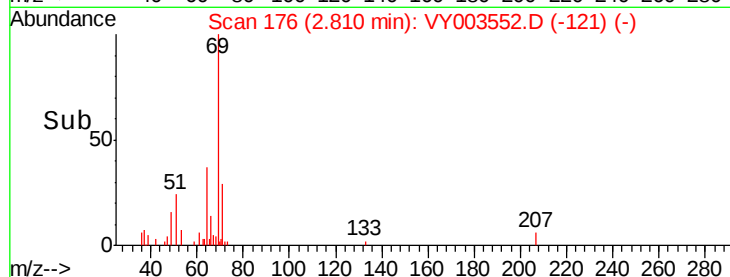
400

200

0

2.75 2.80 2.85

Time-->



#9

Trichlorofluoromethane

Concen: 1.047 ug/L

RT: 3.13 min Scan# 229

Delta R.T. -0.00 min

Lab File: VY003552.D

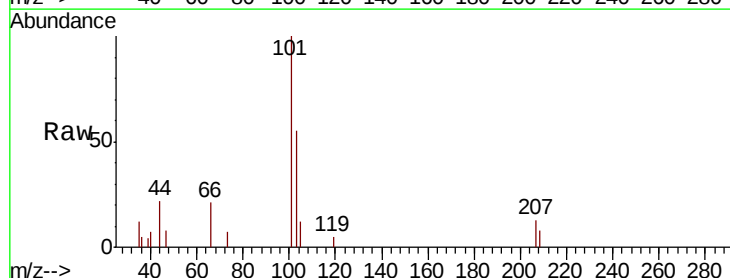
Acq: 19 Nov 2020 16:54

Tgt Ion: 101 Resp: 3034

Ion Ratio Lower Upper

101 100

103 38.6 45.6 84.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1500

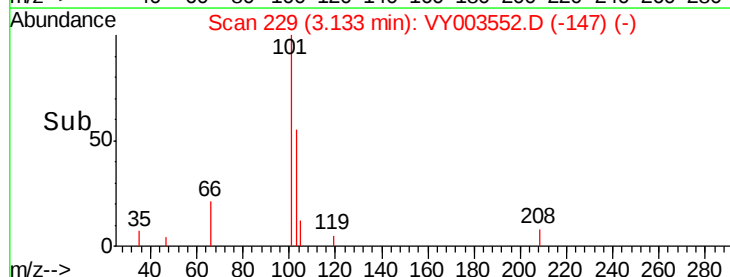
1000

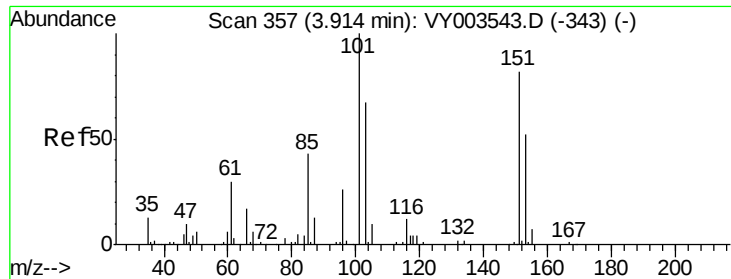
500

0

3.05 3.10 3.15 3.20

Time-->





#11

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

Concen: 0.508 ug/L

RT: 3.91 min Scan# 357

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampled :

MDL05

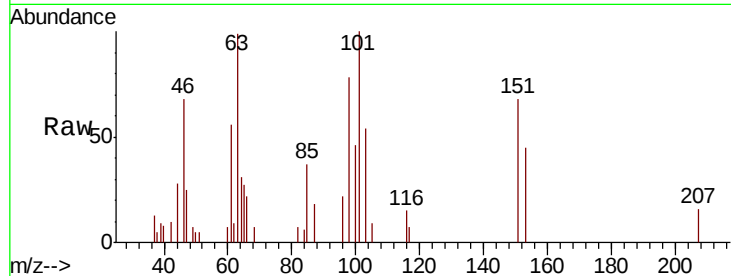
Tot Ion:101 Resp: 1526

Ion Ratio Lower Upper

101 100

85 82.6 35.0 52.4#

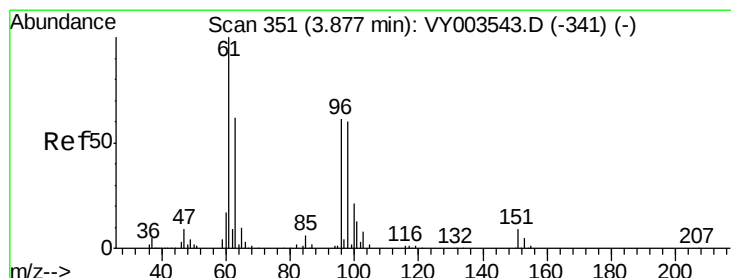
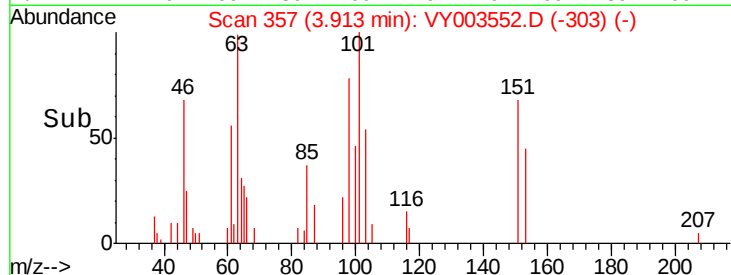
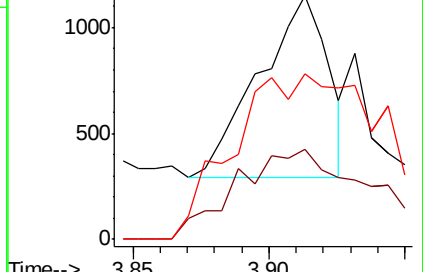
151 29.9 65.4 98.0#



Abundance Ion 101.00 (100.70 to 101.70): VY003543.D (-343) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-343) (-)

Ion 151.00 (150.70 to 151.70): VY003543.D (-343) (-)



#12

1,1-Dichloroethene

Concen: 1.277 ug/L

RT: 3.88 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

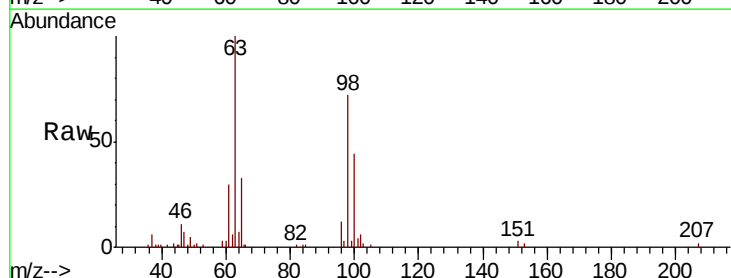
Tgt Ion: 96 Resp: 4012

Ion Ratio Lower Upper

96 100

61 253.4 116.6 216.6#

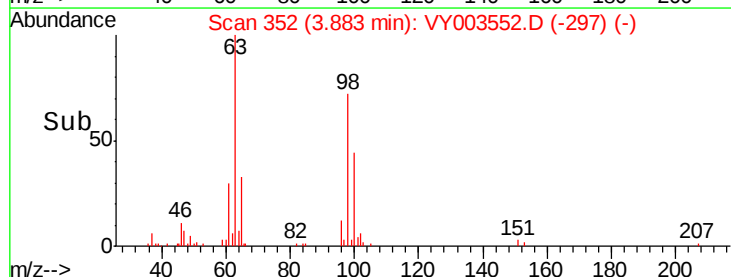
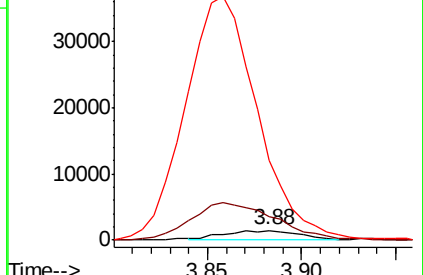
63 836.5 77.5 143.9#

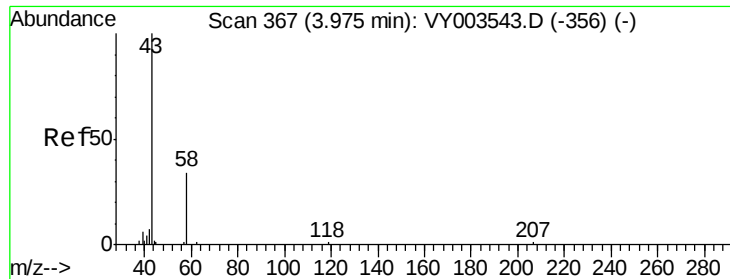


Abundance Ion 96.00 (95.70 to 96.70): VY003543.D (-341) (-)

Ion 61.00 (60.70 to 61.70): VY003543.D (-341) (-)

Ion 63.00 (62.70 to 63.70): VY003543.D (-341) (-)





#13

Acetone

Concen: 3.453 ug/L

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

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ClientSampleId :

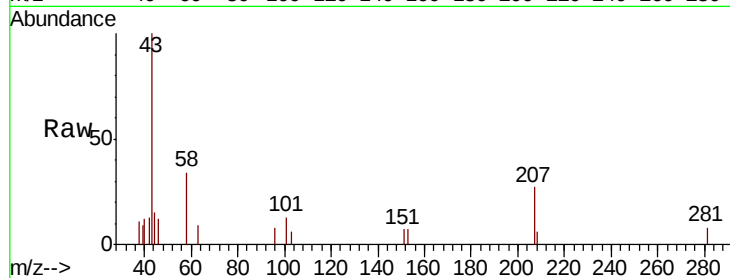
MDL05

Tot Ion: 43 Resp: 3125

Ion Ratio Lower Upper

43 100

58 17.9 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

800

600

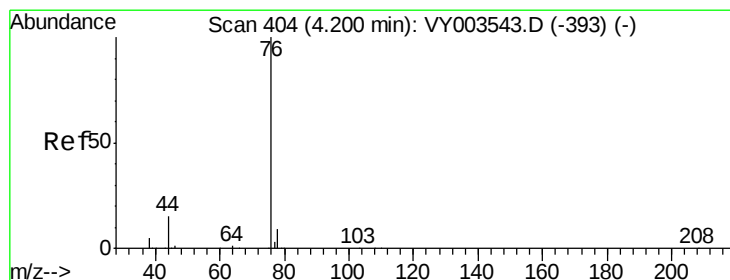
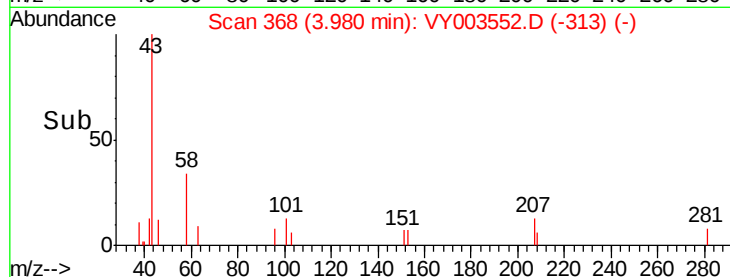
400

200

0

Time-->

3.90 3.95 4.00 4.05



#14

Carbon disulfide

Concen: 1.167 ug/L

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY003552.D

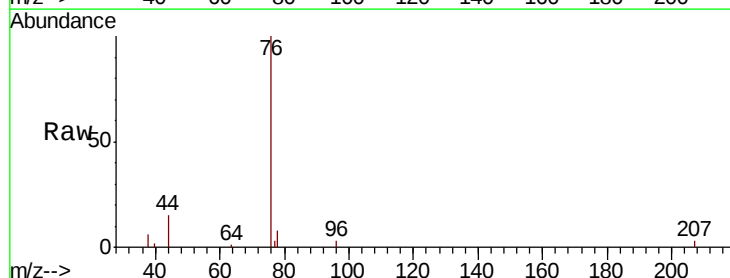
Acq: 19 Nov 2020 16:54

Tgt Ion: 76 Resp: 12144

Ion Ratio Lower Upper

76 100

78 8.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

4.21

5000

4000

3000

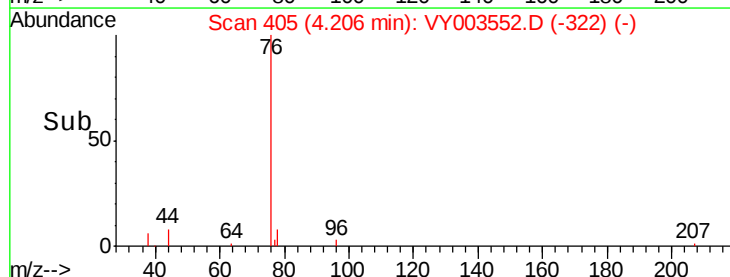
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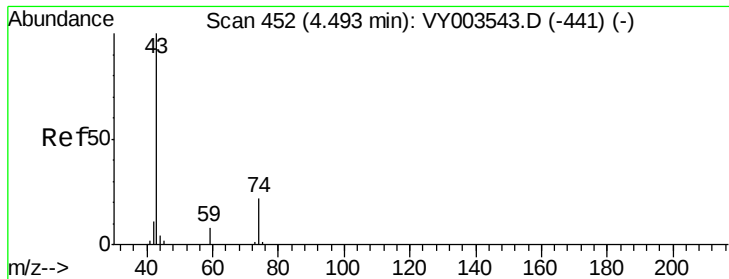
1000

0

Time-->

4.10 4.15 4.20 4.25





#15

Methyl Acetate

Concen: 0.996 ug/L

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampled :

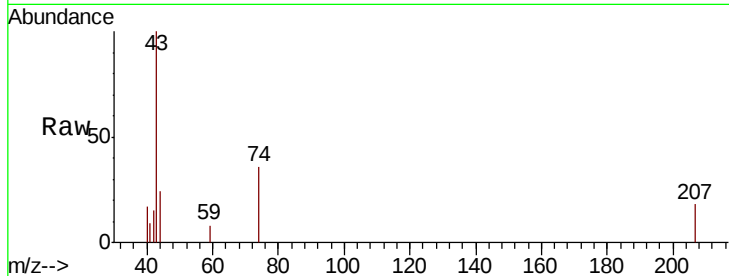
MDL05

Tot Ion: 43 Resp: 2288

Ion Ratio Lower Upper

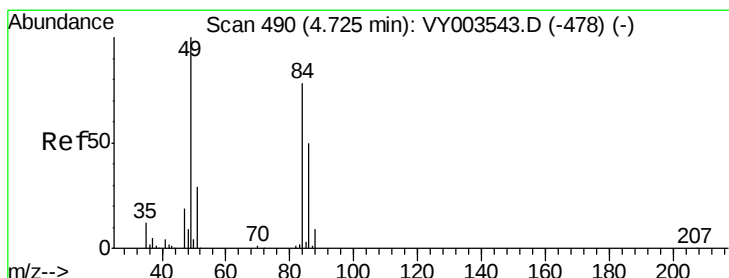
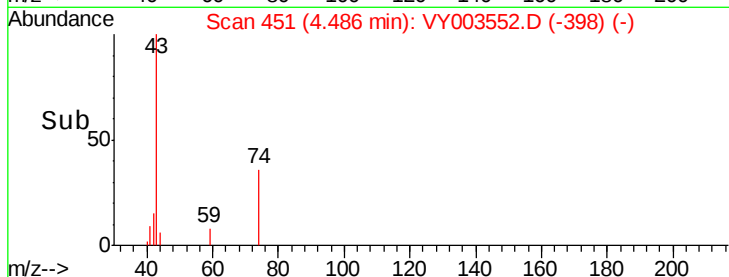
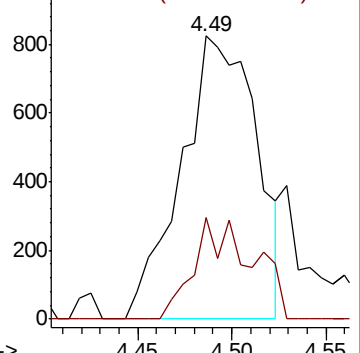
43 100

74 21.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 3.219 ug/L

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

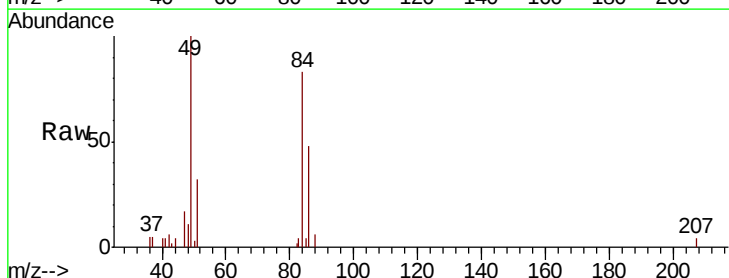
Tgt Ion: 84 Resp: 12518

Ion Ratio Lower Upper

84 100

49 120.2 90.3 167.7

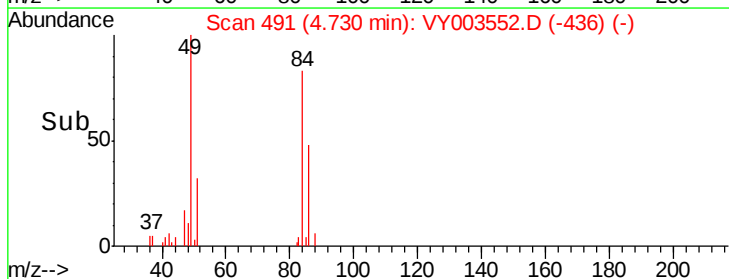
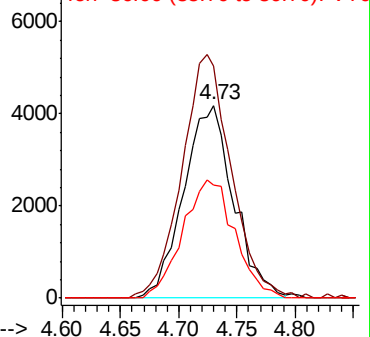
86 58.3 44.7 83.1

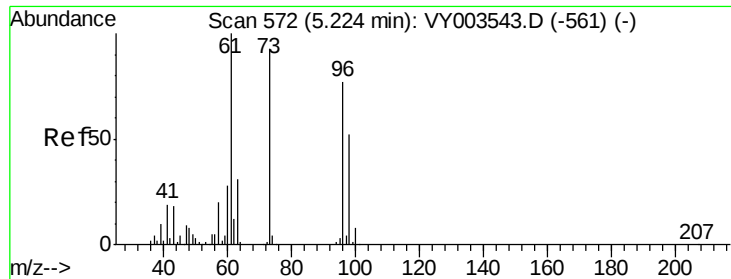


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

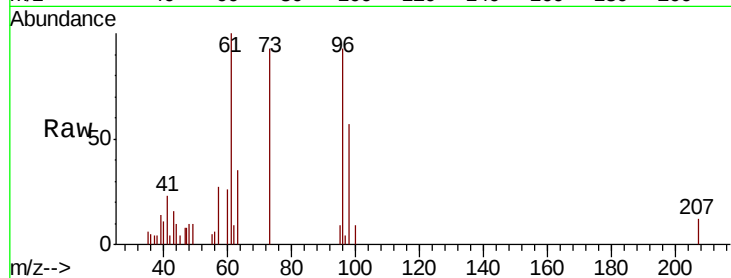




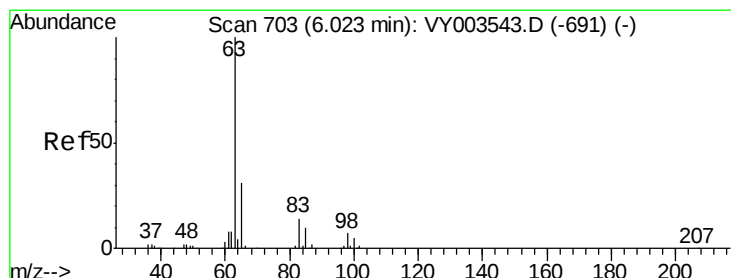
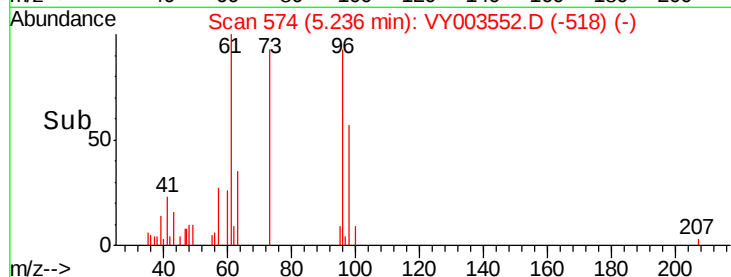
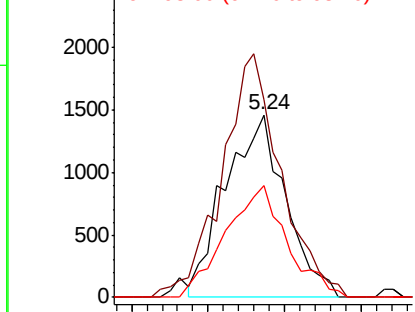
#18
trans-1,2-Dichloroethene
Concen: 1.209 ug/L
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion: 96 Resp: 4003
Ion Ratio Lower Upper
96 100
61 108.1 90.8 168.6
98 61.1 46.8 87.0

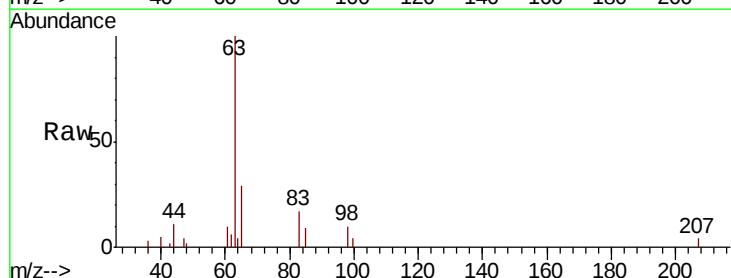


Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

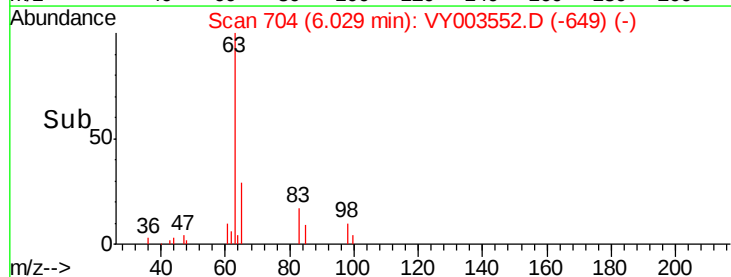
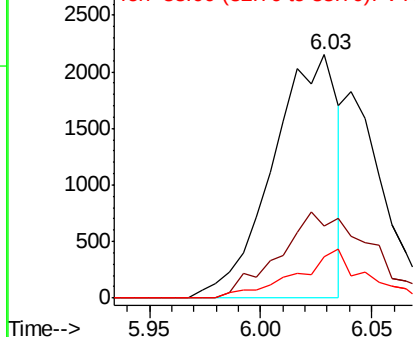


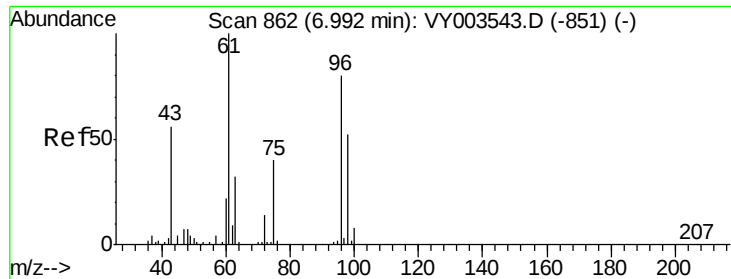
#19
1,1-Dichloroethane
Concen: 0.784 ug/L
RT: 6.03 min Scan# 704
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion: 63 Resp: 4385
Ion Ratio Lower Upper
63 100
65 29.4 22.0 40.8
83 16.7 9.9 18.5



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



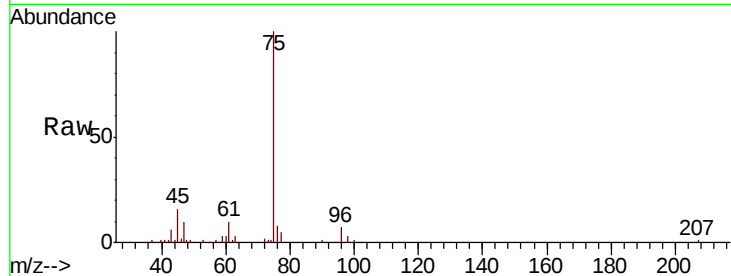


#22

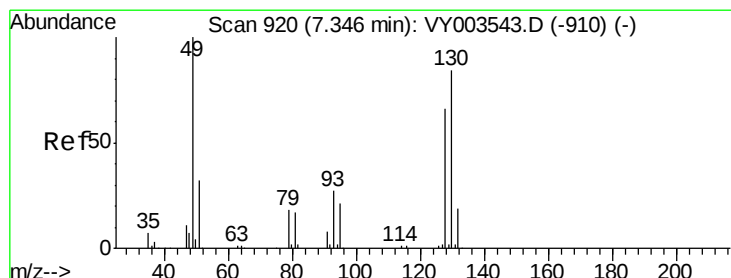
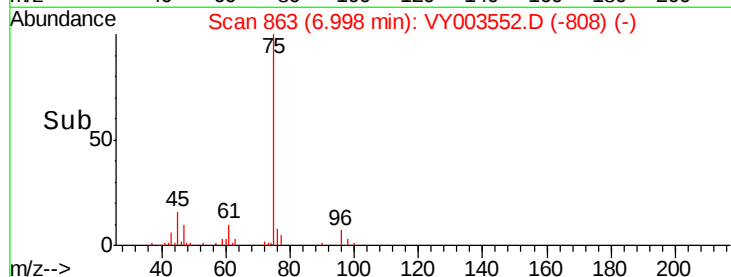
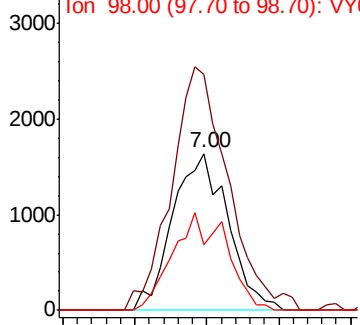
cis-1,2-Dichloroethene
Concen: 1.286 ug/L
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion: 96 Resp: 4374
Ion Ratio Lower Upper
96 100
61 150.1 88.1 163.5
98 42.2 45.6 84.6#



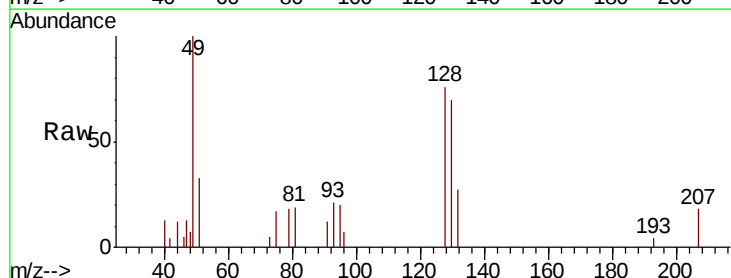
Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



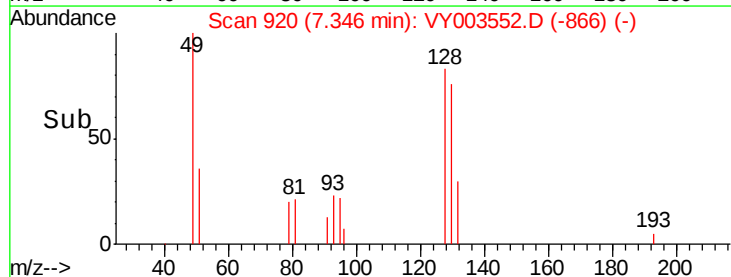
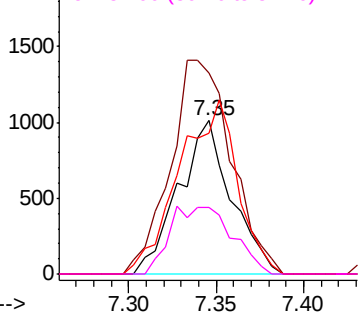
#23

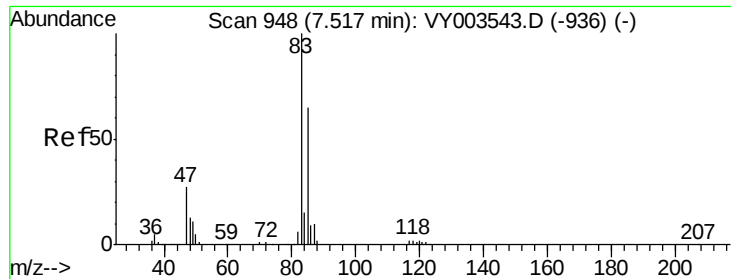
Bromochloromethane
Concen: 1.291 ug/L
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion: 128 Resp: 2126
Ion Ratio Lower Upper
128 100
49 131.1 107.3 199.3
130 91.5 89.3 165.9
51 43.5 38.8 58.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VY0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 1.312 ug/L

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

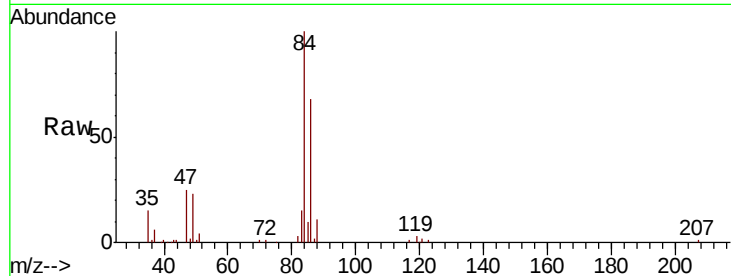
MDL05

Tot Ion: 83 Resp: 7297

Ion Ratio Lower Upper

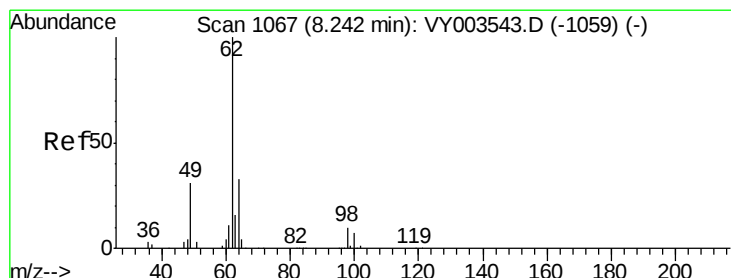
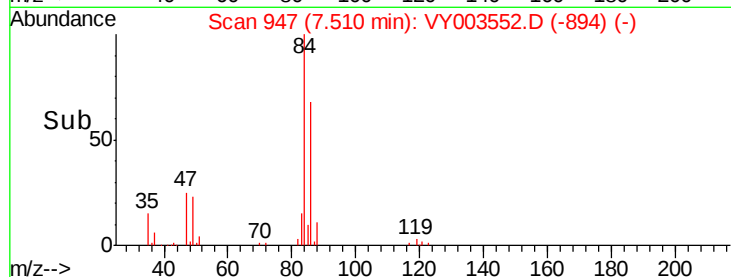
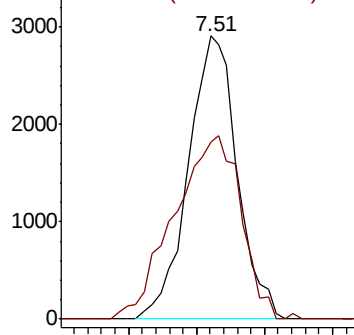
83 100

85 88.4 46.2 85.8#



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 1.326 ug/L

RT: 8.24 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VY003552.D

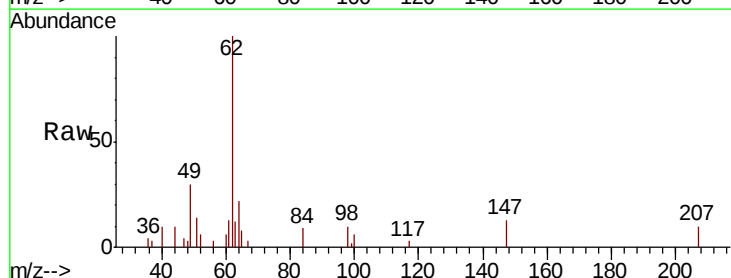
Acq: 19 Nov 2020 16:54

Tgt Ion: 62 Resp: 4981

Ion Ratio Lower Upper

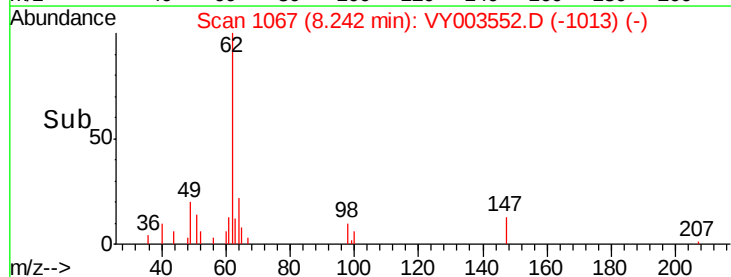
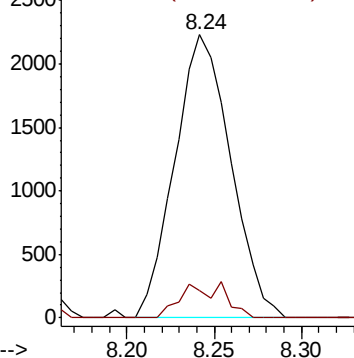
62 100

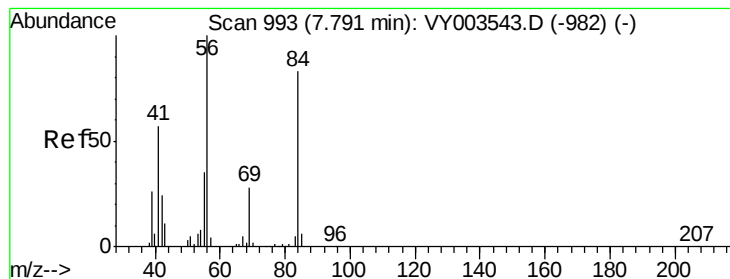
98 9.6 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#30

Cyclohexane

Concen: 0.997 ug/L

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampled :

MDL05

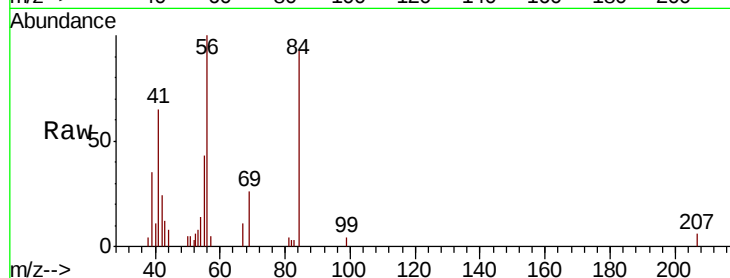
Tot Ion: 56 Resp: 4973

Ion Ratio Lower Upper

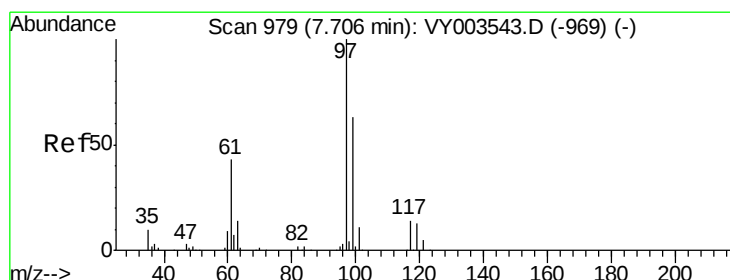
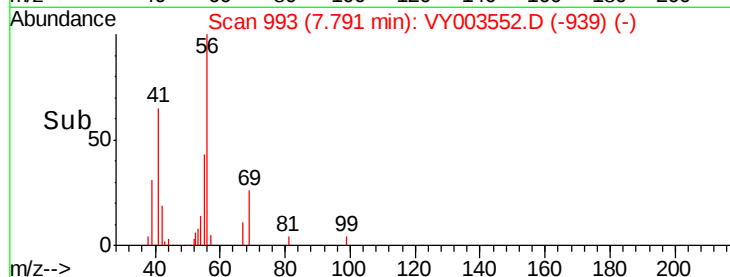
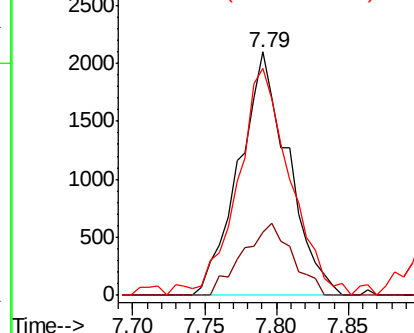
56 100

69 29.9 23.3 34.9

84 90.4 69.9 104.9



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



#31

1,1,1-Trichloroethane

Concen: 0.707 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

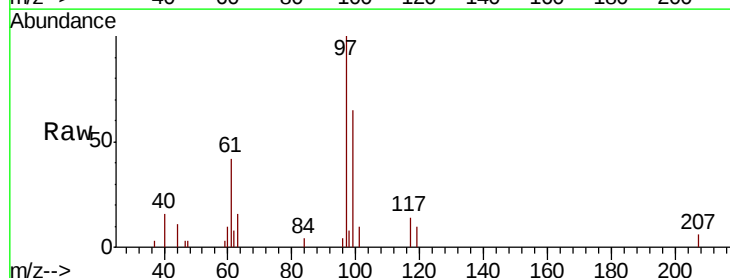
Tgt Ion: 97 Resp: 3153

Ion Ratio Lower Upper

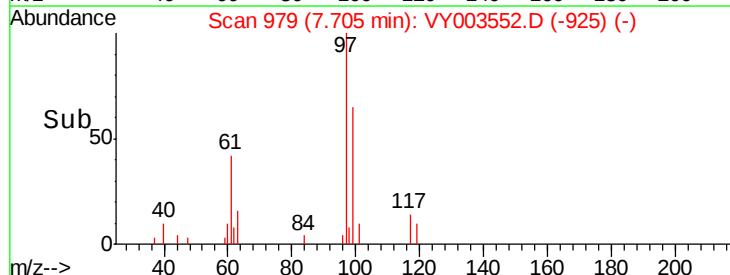
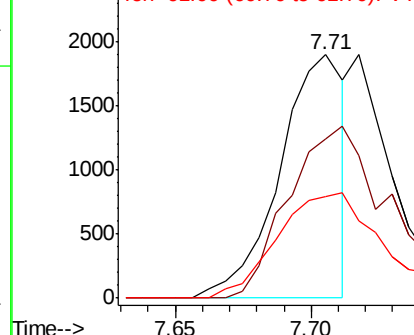
97 100

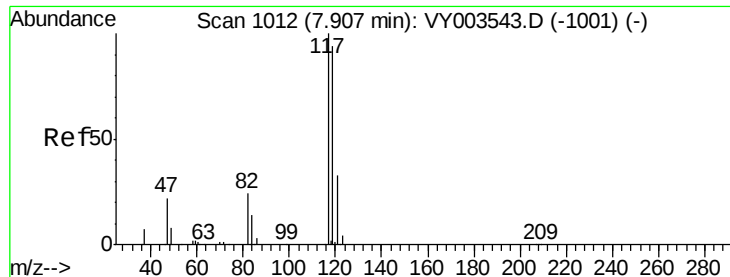
99 108.5 52.1 78.1#

61 70.2 34.9 52.3#



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#32

Carbon tetrachloride

Concen: 1.080 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampled :

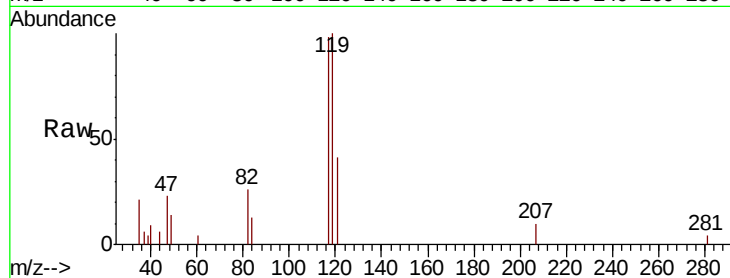
MDL05

Tot Ion:117 Resp: 4580

Ion Ratio Lower Upper

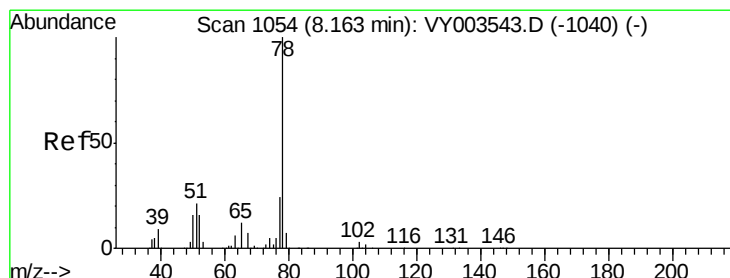
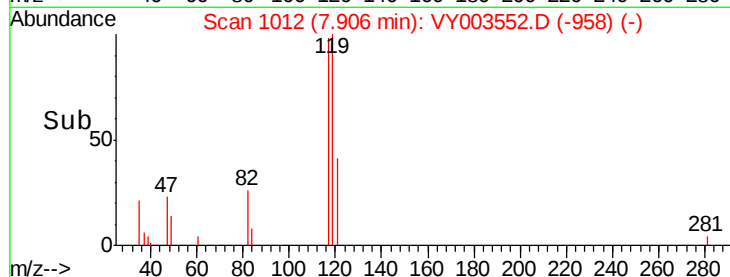
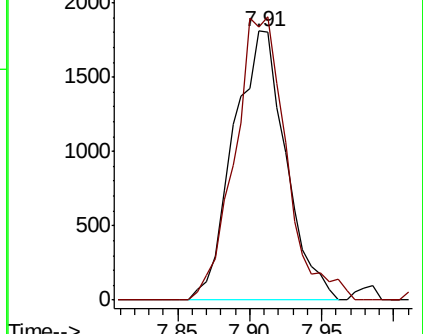
117 100

119 103.7 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.254 ug/L

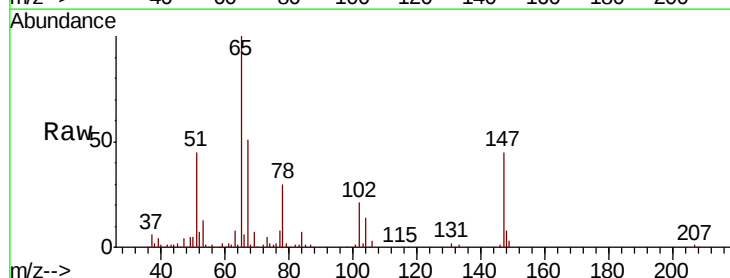
RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

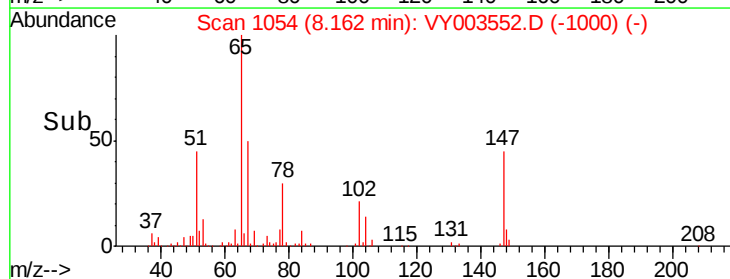
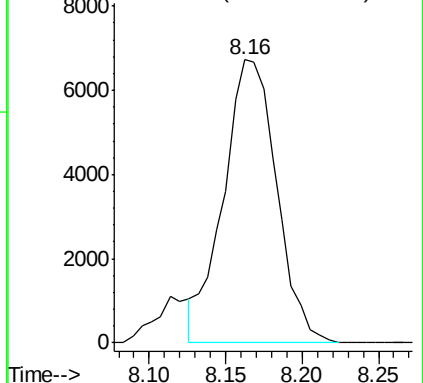
Lab File: VY003552.D

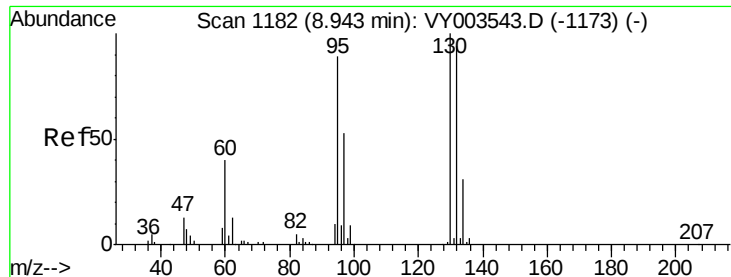
Acq: 19 Nov 2020 16:54

Tgt Ion: 78 Resp: 16220



Abundance Ion 78.00 (77.70 to 78.70): VY0

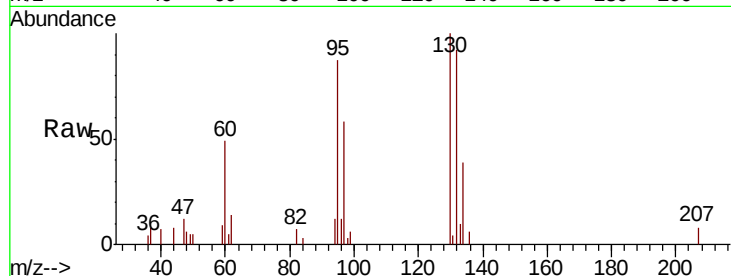




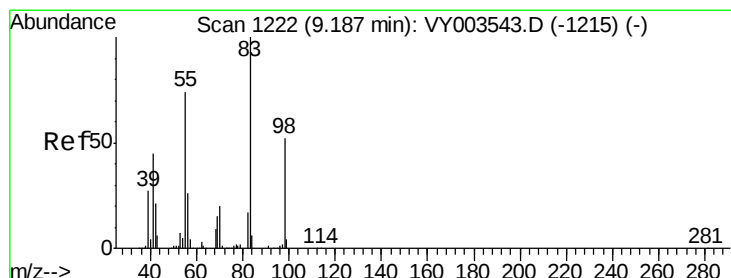
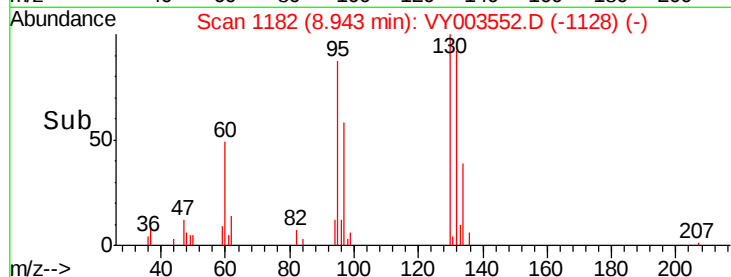
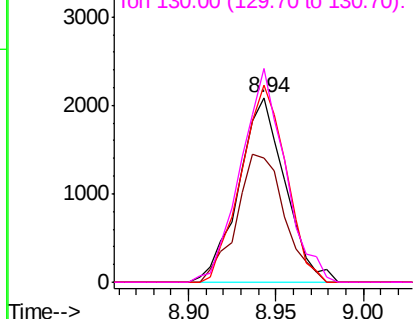
#35
 Trichloroethene
 Concen: 1.175 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL05

Tot Ion:	95	Resp:	3848
Ion	Ratio	Lower	Upper
95	100		
97	71.8	44.5	82.7
132	103.5	73.1	135.7
130	111.2	76.1	141.3

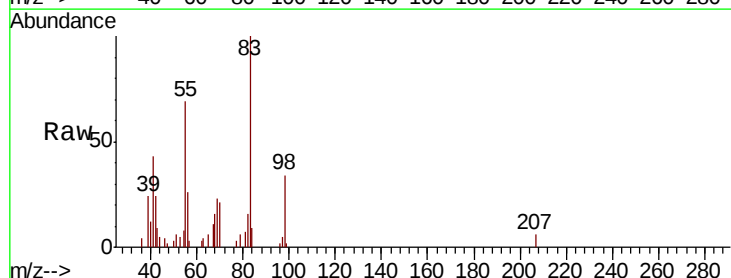


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

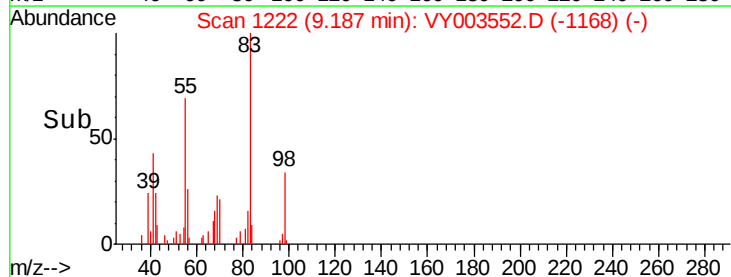
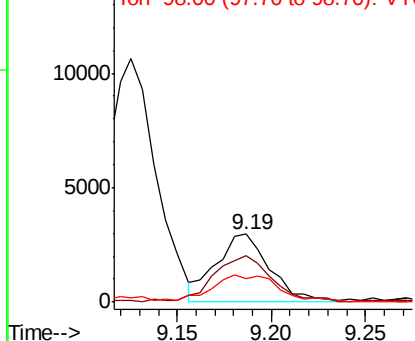


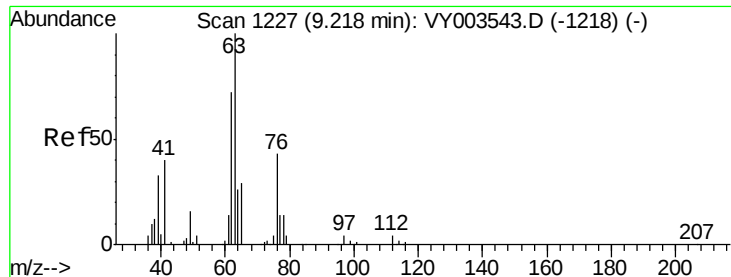
#36
 Methylcyclohexane
 Concen: 1.150 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion:	83	Resp:	5890
Ion	Ratio	Lower	Upper
83	100		
55	71.0	60.8	91.2
98	24.3	40.6	61.0#



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

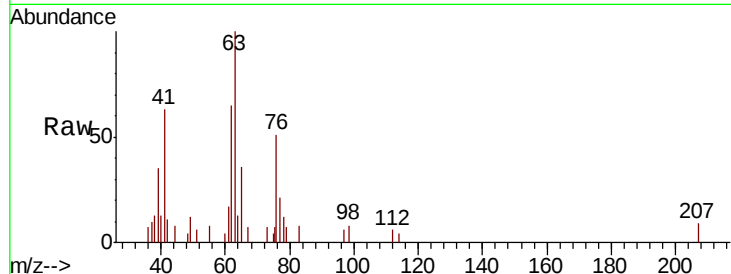




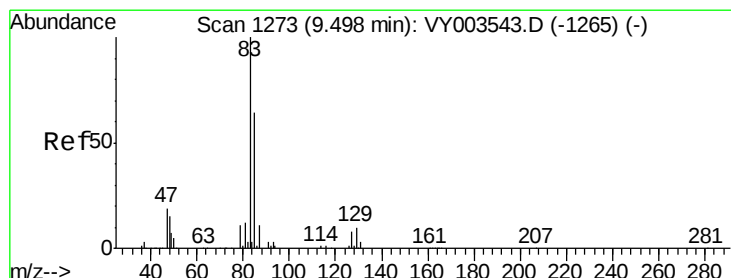
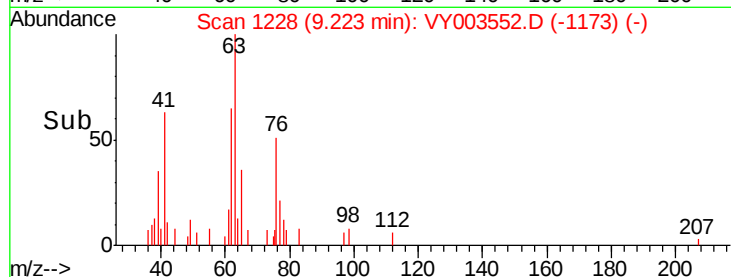
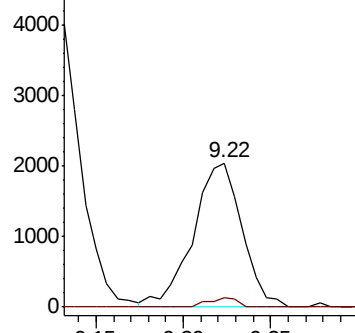
#40
 1,2-Dichloropropane
 Concen: 1.251 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL05

Tot Ion: 63 Resp: 3989
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.5 5.3

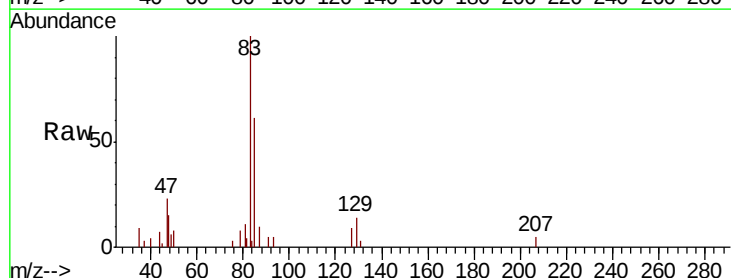


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 112.00 (111.70 to 112.70): V

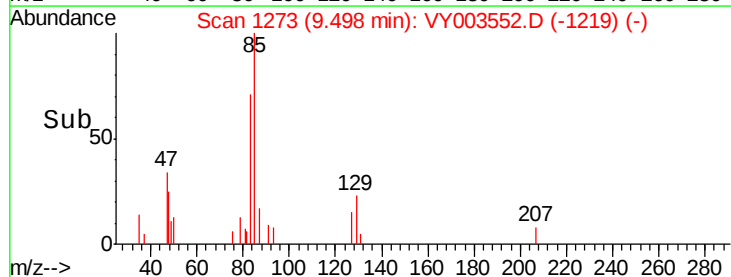
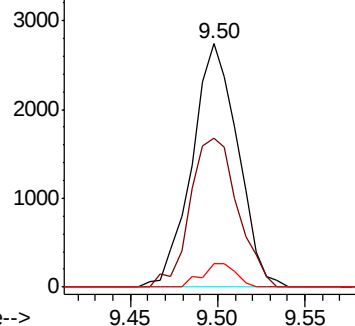


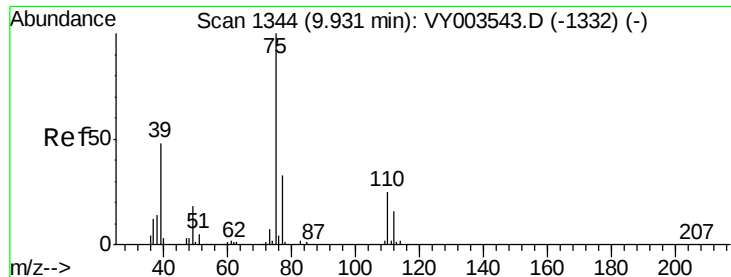
#41
 Bromodichloromethane
 Concen: 1.225 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion: 83 Resp: 4987
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.1 83.7
 127 9.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 85.00 (84.70 to 85.70): VY0
 Ion 127.00 (126.70 to 127.70): V



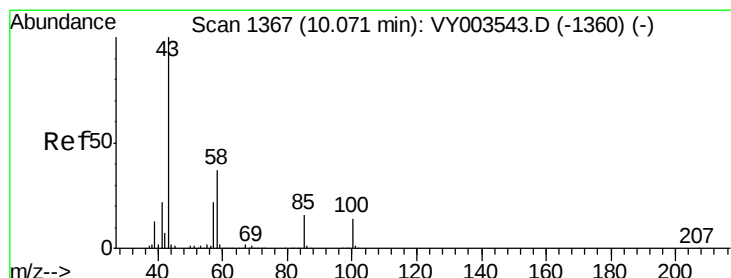
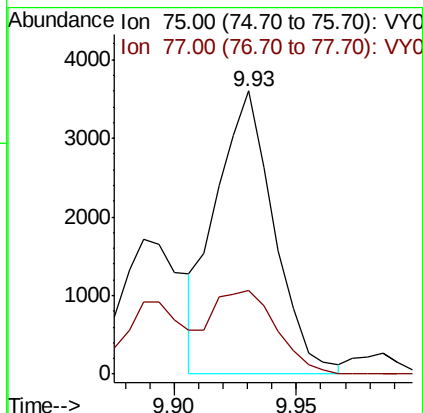
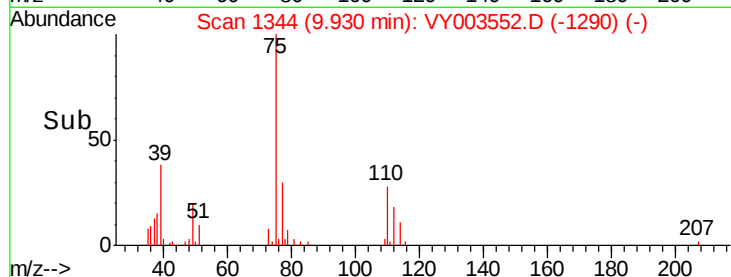
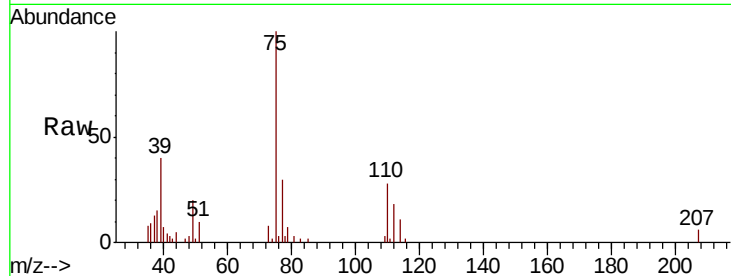


#42

cis-1,3-Dichloropropene
Concen: 1.174 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampled :
MDL05

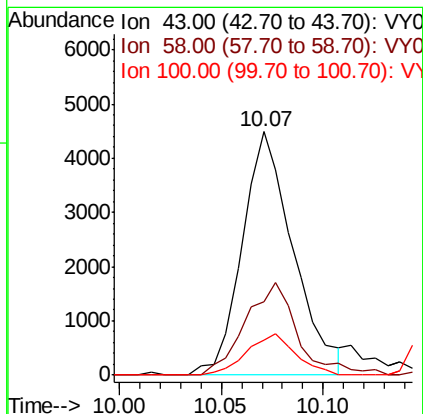
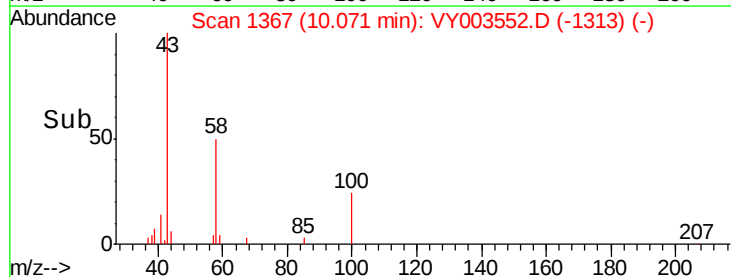
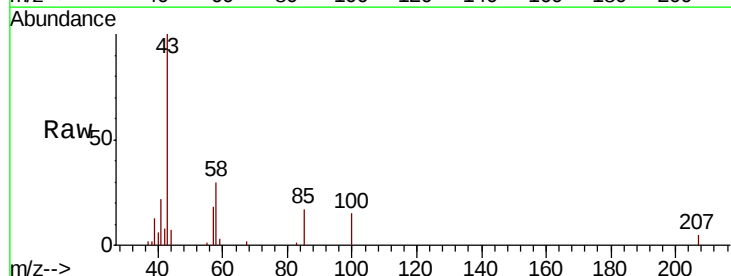
Tot Ion: 75 Resp: 5906
Ion Ratio Lower Upper
75 100
77 29.6 23.2 43.0

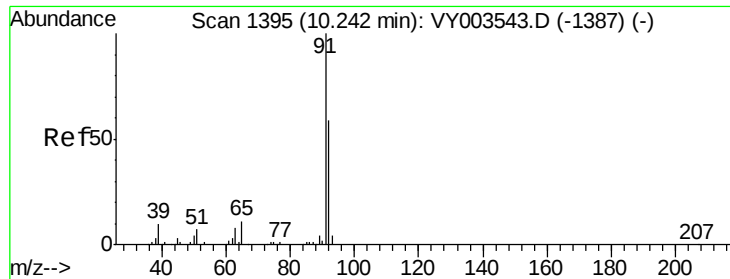


#43

4-Methyl-2-pentanone
Concen: 2.928 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion: 43 Resp: 7814
Ion Ratio Lower Upper
43 100
58 36.6 30.2 45.2
100 16.1 11.7 17.5





#44

Toluene

Concen: 1.206 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

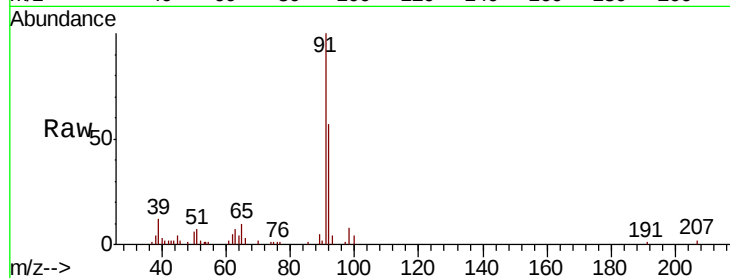
MDL05

Tot Ion: 91 Resp: 16446

Ion Ratio Lower Upper

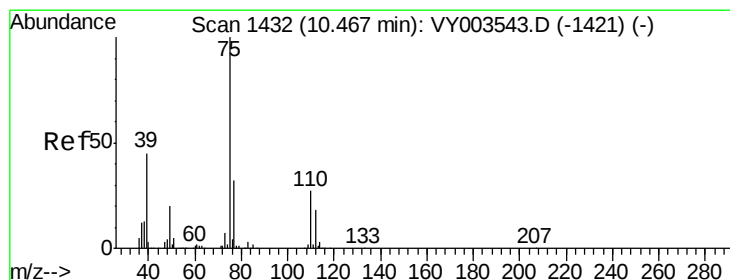
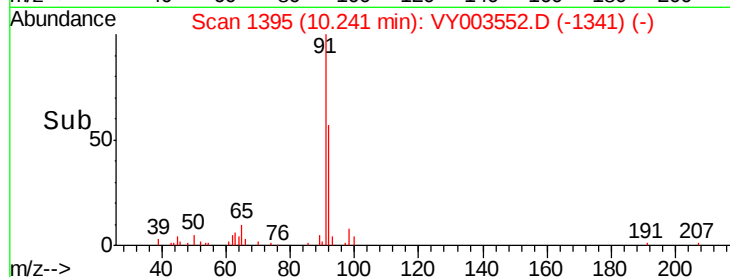
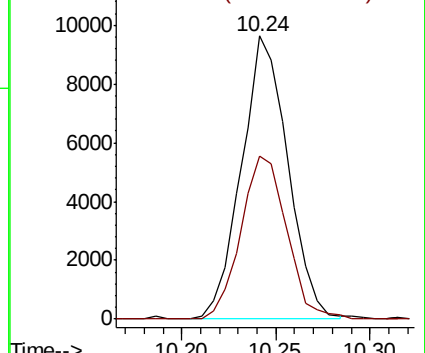
91 100

92 57.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#45

trans-1,3-Dichloropropene

Concen: 1.219 ug/L

RT: 10.46 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VY003552.D

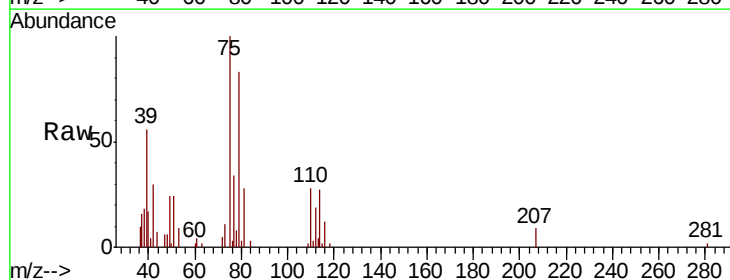
Acq: 19 Nov 2020 16:54

Tgt Ion: 75 Resp: 5645

Ion Ratio Lower Upper

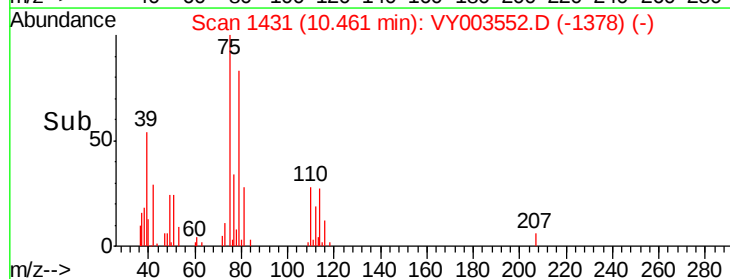
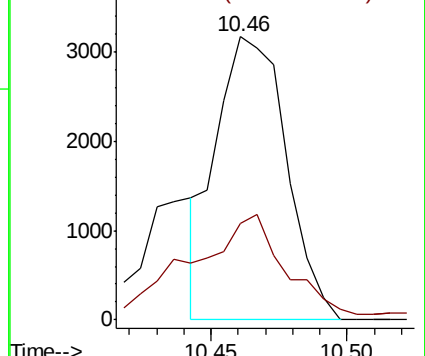
75 100

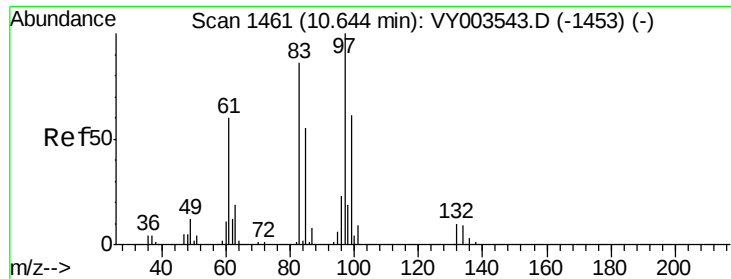
77 34.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

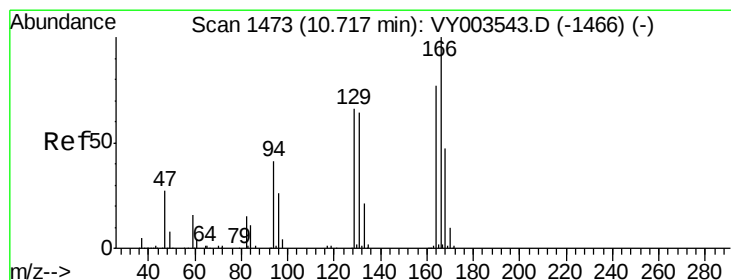
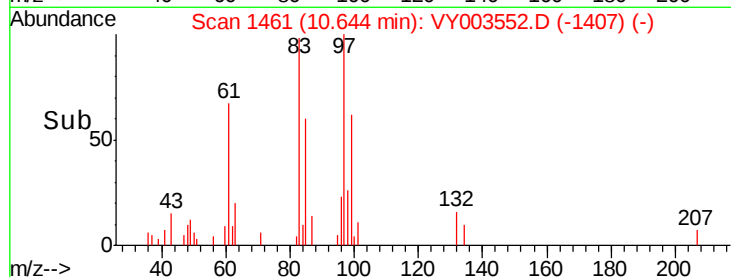
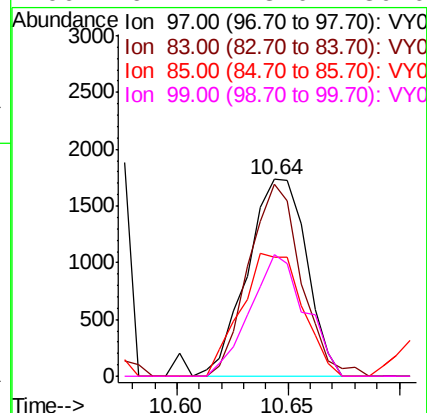
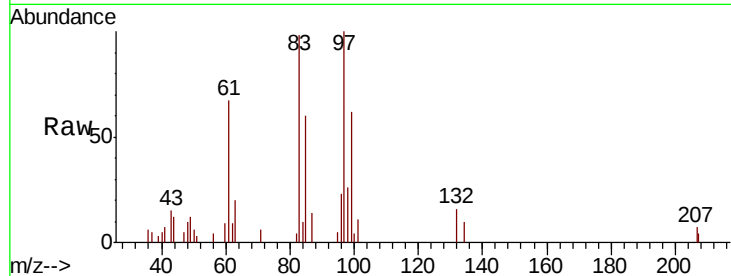




#46
1,1,2-Trichloroethane
Concen: 1.256 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

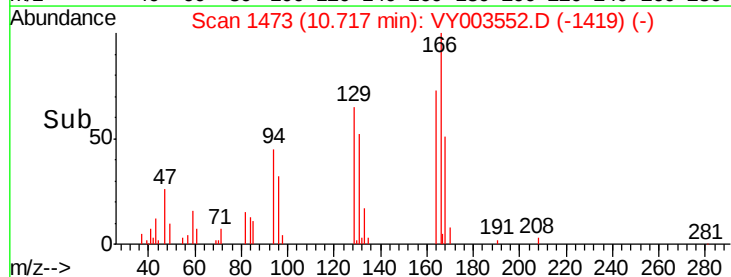
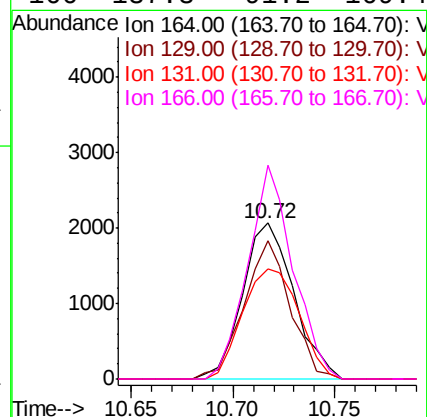
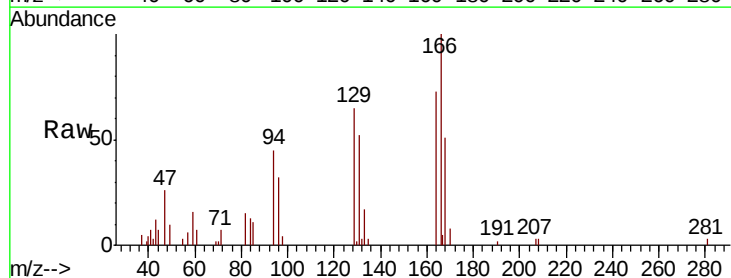
Instrument :
MSVOA_Y
ClientSampleId :
MDL05

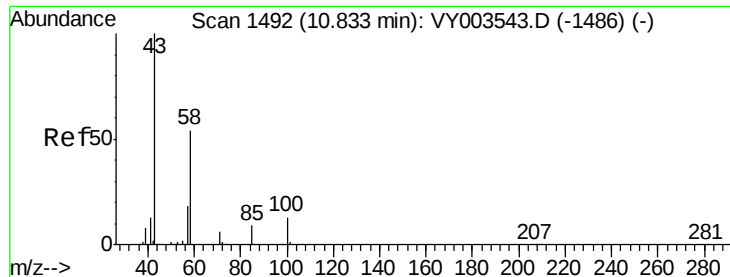
Tot Ion:	97	Resp:	3201
Ion	Ratio	Lower	Upper
97	100		
83	97.5	60.1	111.5
85	60.4	38.9	72.2
99	62.1	43.0	80.0



#47
Tetrachloroethene
Concen: 1.263 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion:	164	Resp:	3595
Ion	Ratio	Lower	Upper
164	100		
129	89.1	60.6	112.6
131	70.7	58.7	109.1
166	137.3	91.2	169.4

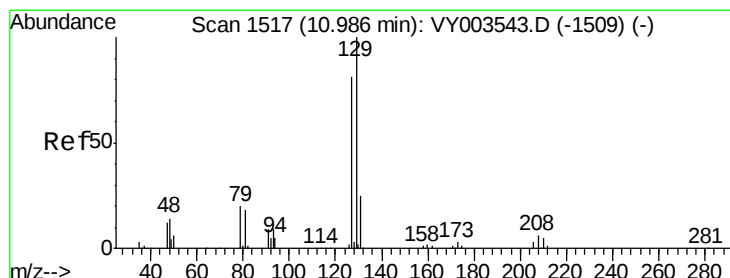
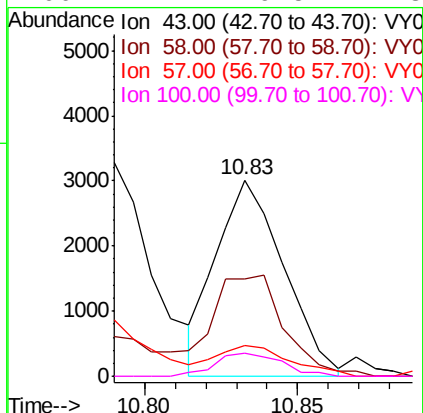
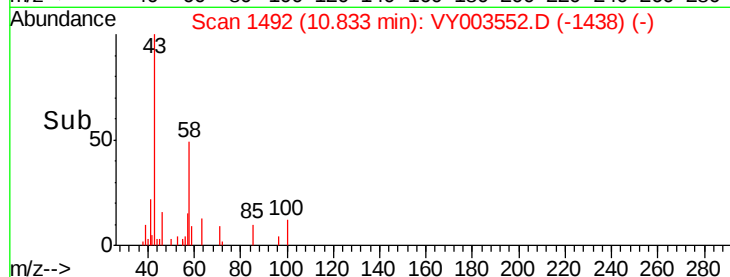
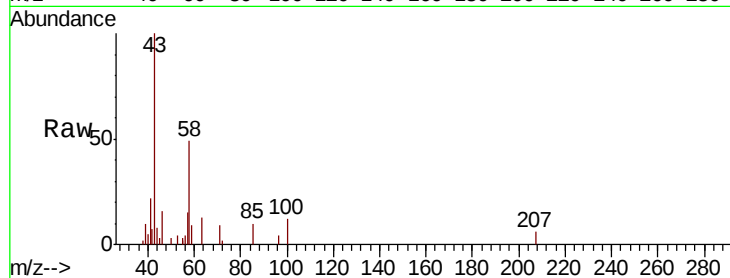




#49
2-Hexanone
Concen: 2.187 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

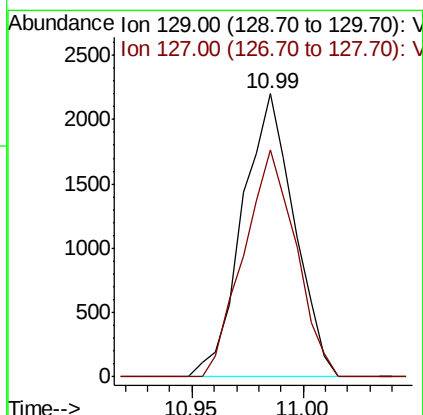
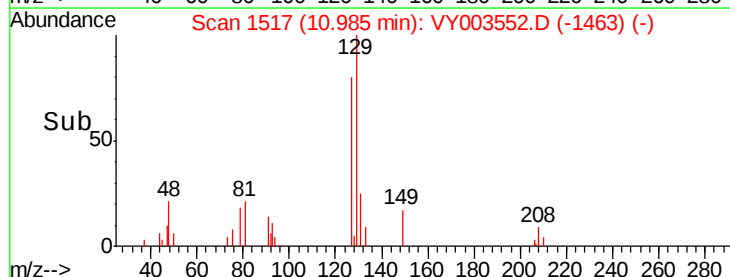
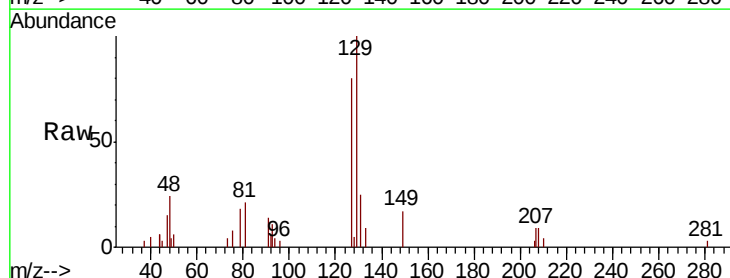
Instrument :
MSVOA_Y
ClientSampleId :
MDL05

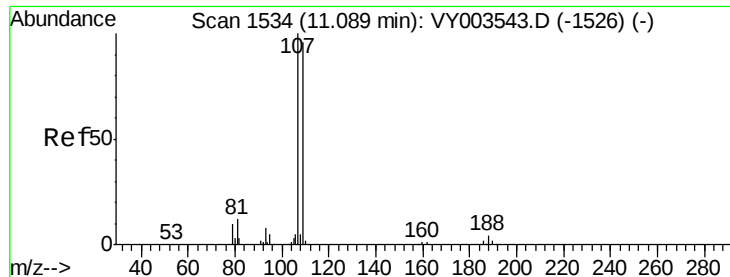
Tot Ion: 43 Resp: 4610
Ion Ratio Lower Upper
43 100
58 56.4 42.1 63.1
57 17.3 14.2 21.2
100 11.7 9.5 14.3



#50
Dibromochloromethane
Concen: 1.162 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion: 129 Resp: 3569
Ion Ratio Lower Upper
129 100
127 80.2 56.6 105.0

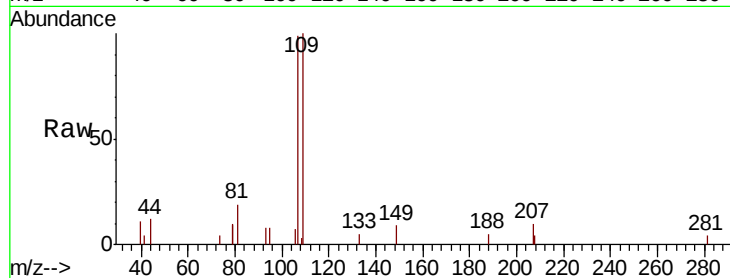




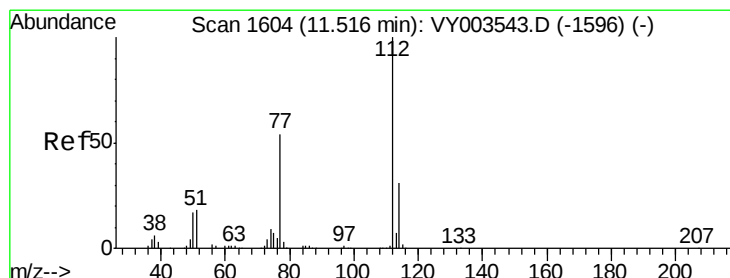
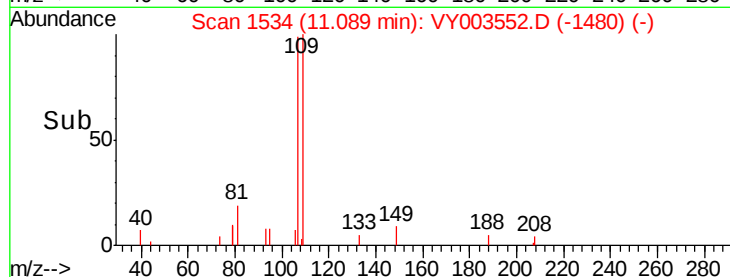
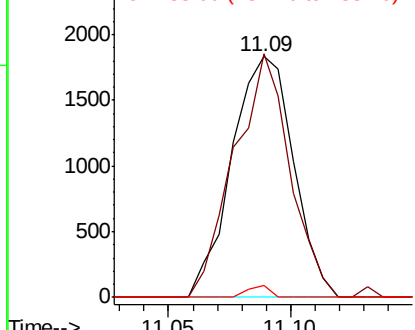
#51
1,2-Dibromoethane
Concen: 1.263 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion:107 Resp: 3208
Ion Ratio Lower Upper
107 100
109 101.2 66.8 124.2
188 4.9 3.3 4.9

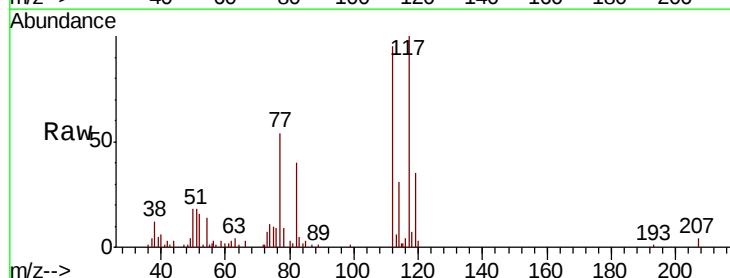


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

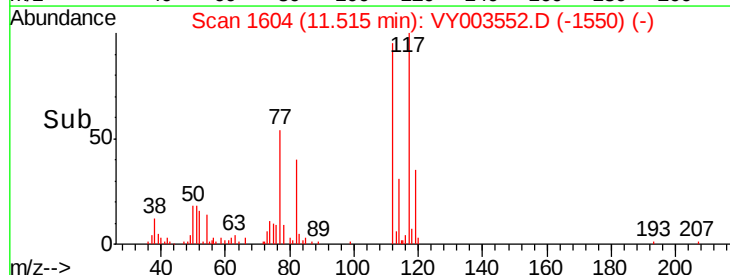
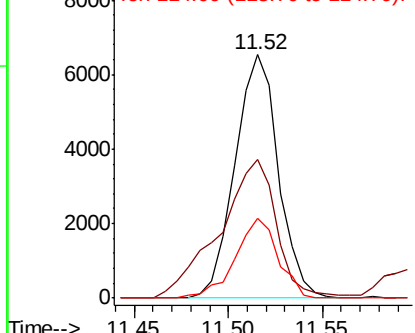


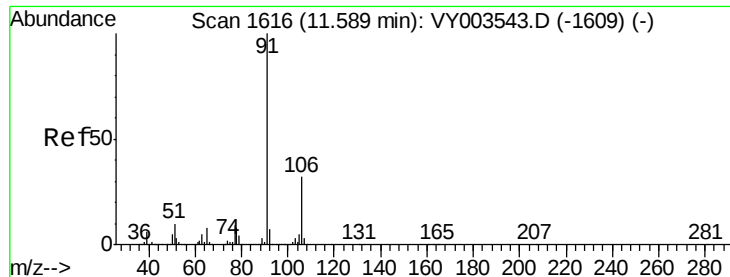
#52
Chlorobenzene
Concen: 1.195 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY003552.D
Acq: 19 Nov 2020 16:54

Tgt Ion:112 Resp: 10409
Ion Ratio Lower Upper
112 100
77 56.8 43.3 64.9
114 32.7 21.9 40.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 1.100 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampled :

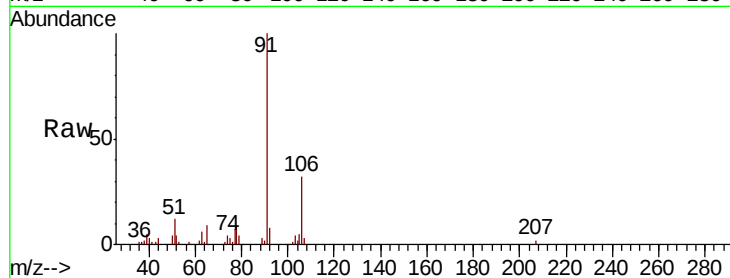
MDL05

Tot Ion: 91 Resp: 15406

Ion Ratio Lower Upper

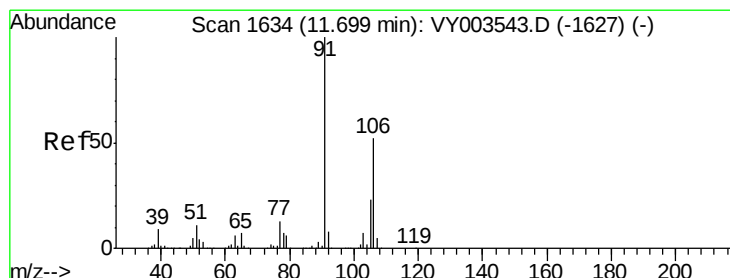
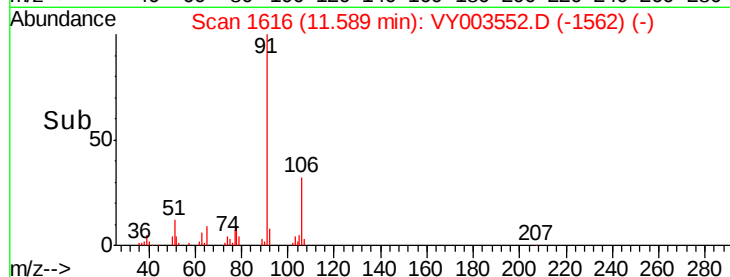
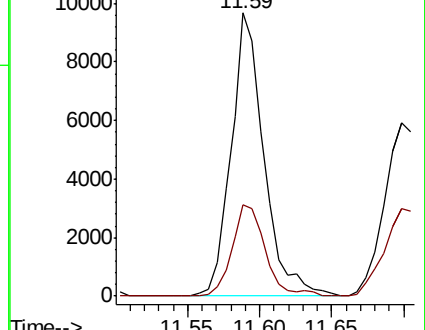
91 100

106 32.2 22.5 41.7



Abundance Ion 91.00 (90.70 to 91.70): VY003543.D (-1609) (-)

Ion 106.00 (105.70 to 106.70): VY003543.D (-1609) (-)



#54

m,p-Xylene

Concen: 1.125 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003552.D

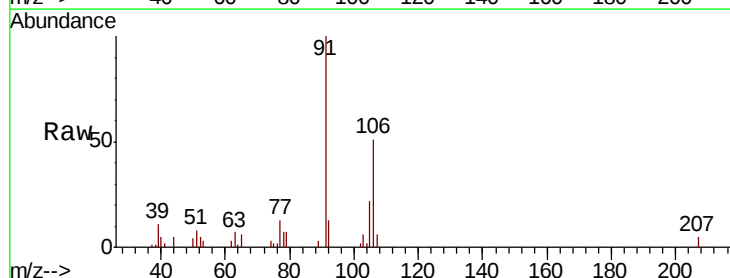
Acq: 19 Nov 2020 16:54

Tgt Ion: 106 Resp: 6063

Ion Ratio Lower Upper

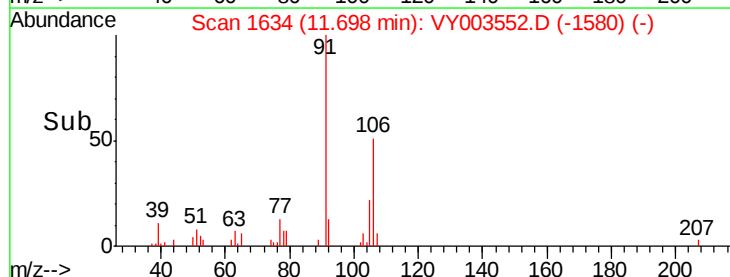
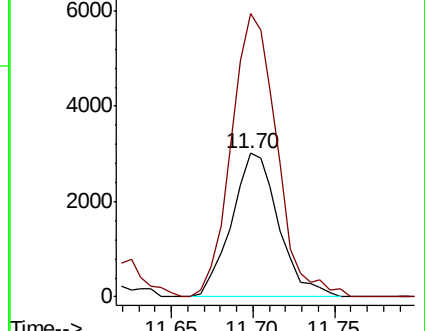
106 100

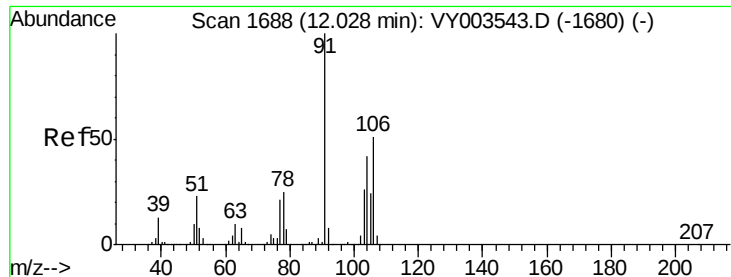
91 197.2 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): VY003543.D (-1627) (-)

Ion 91.00 (90.70 to 91.70): VY003543.D (-1627) (-)





#55

o-xylene

Concen: 1.060 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampled :

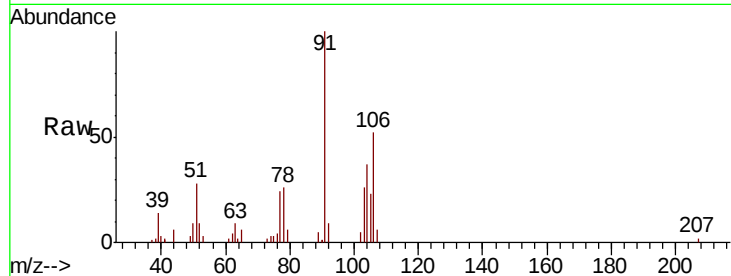
MDL05

Tot Ion:106 Resp: 4771

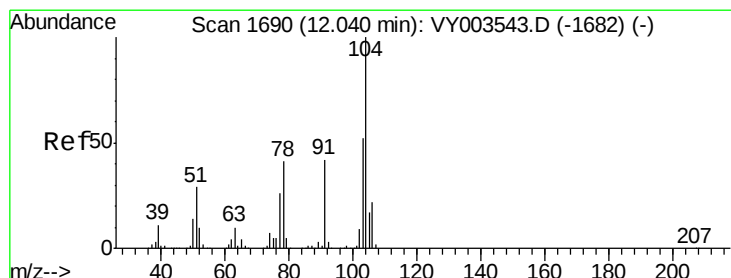
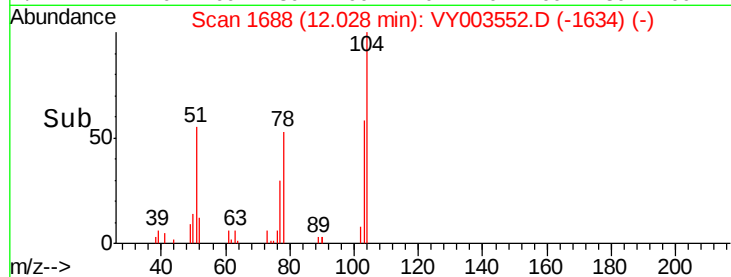
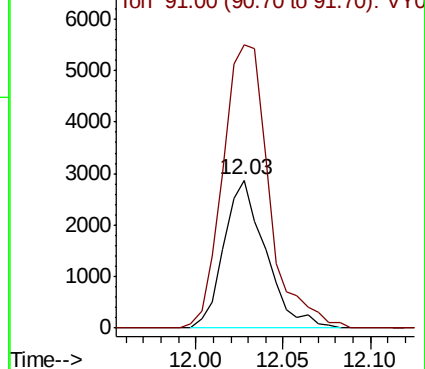
Ion Ratio Lower Upper

106 100

91 191.2 138.3 256.8



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 1.040 ug/L

RT: 12.04 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VY003552.D

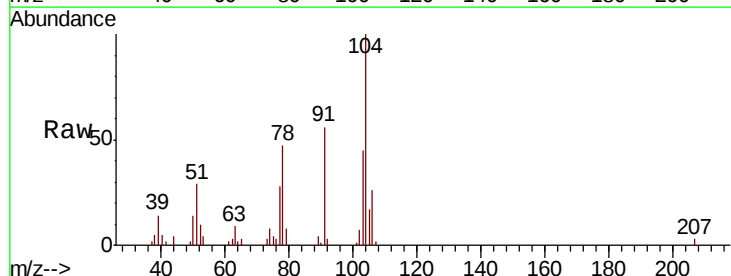
Acq: 19 Nov 2020 16:54

Tgt Ion:104 Resp: 9162

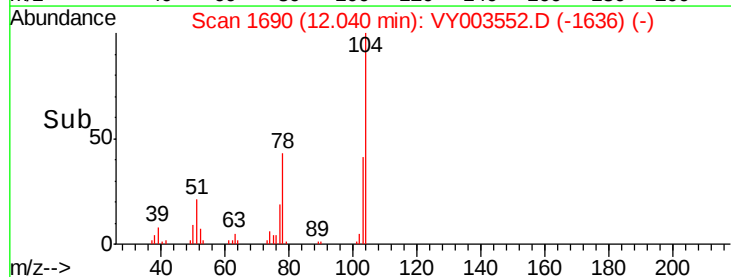
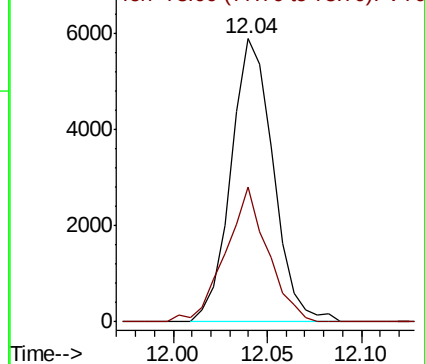
Ion Ratio Lower Upper

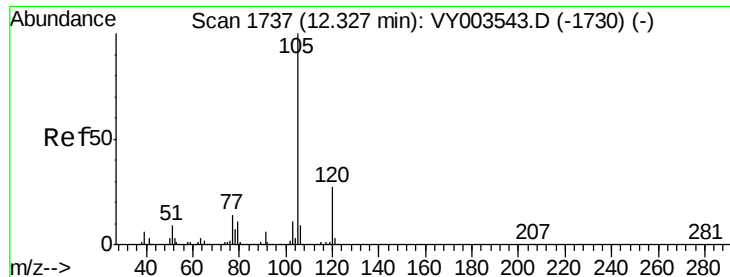
104 100

78 47.5 28.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V





#57

Isopropylbenzene

Concen: 1.034 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

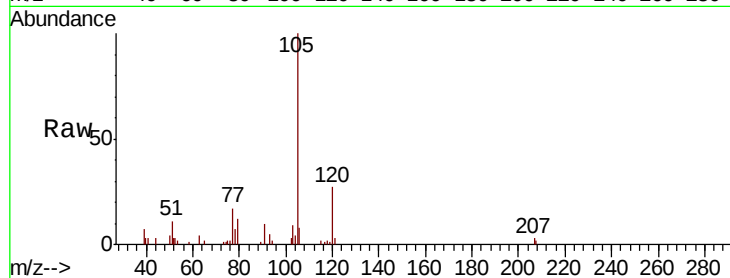
Tot Ion: 105 Resp: 10530

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

77 17.4 12.1 18.1

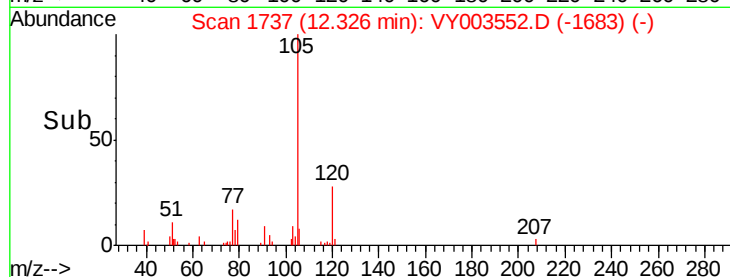


Abundance Ion 105.00 (104.70 to 105.70): VY003543.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY003543.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY003543.D (-1730) (-)

Time-->

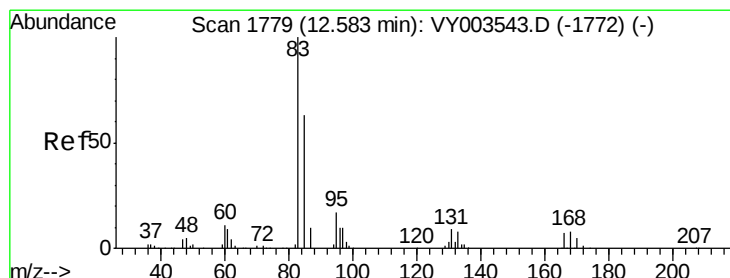


Abundance Ion 105.00 (104.70 to 105.70): VY003552.D (-1683) (-)

Ion 120.00 (119.70 to 120.70): VY003552.D (-1683) (-)

Ion 77.00 (76.70 to 77.70): VY003552.D (-1683) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 1.224 ug/L

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

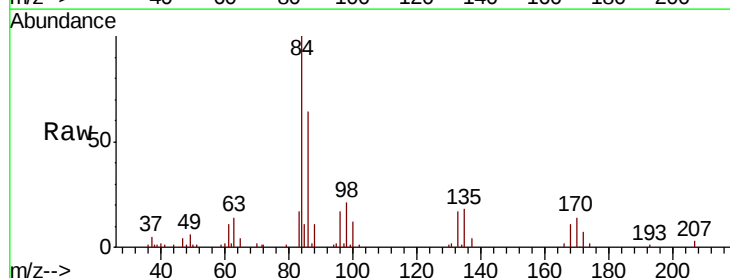
Tgt Ion: 83 Resp: 3680

Ion Ratio Lower Upper

83 100

85 64.0 44.8 83.2

131 13.2 7.3 10.9#

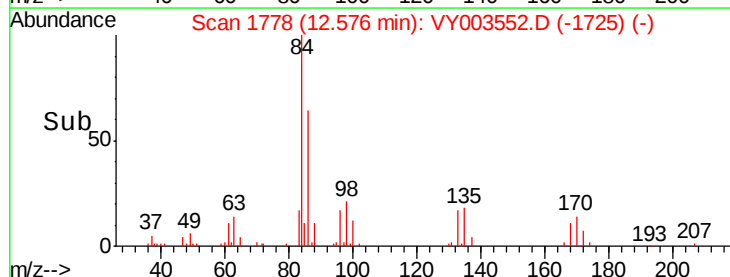


Abundance Ion 83.00 (82.70 to 83.70): VY003543.D (-1772) (-)

Ion 85.00 (84.70 to 85.70): VY003543.D (-1772) (-)

Ion 131.00 (130.70 to 131.70): VY003543.D (-1772) (-)

Time-->

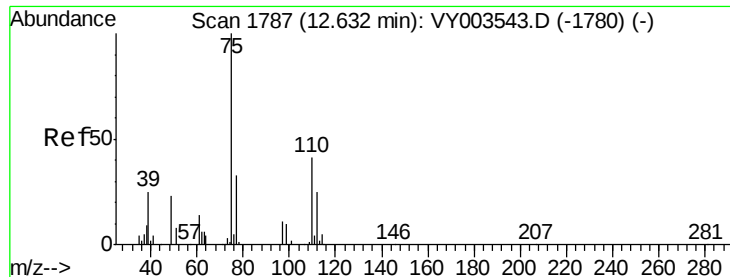


Abundance Ion 83.00 (82.70 to 83.70): VY003552.D (-1725) (-)

Ion 85.00 (84.70 to 85.70): VY003552.D (-1725) (-)

Ion 131.00 (130.70 to 131.70): VY003552.D (-1725) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.199 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

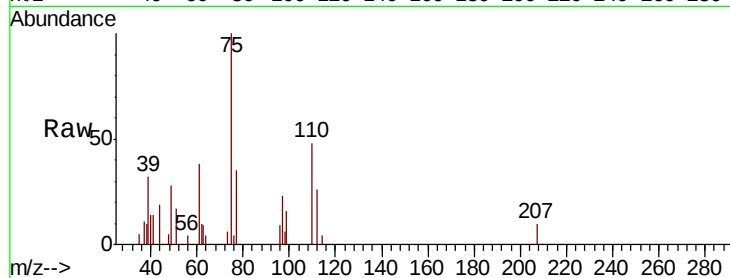
MDL05

Tot Ion: 75 Resp: 2805

Ion Ratio Lower Upper

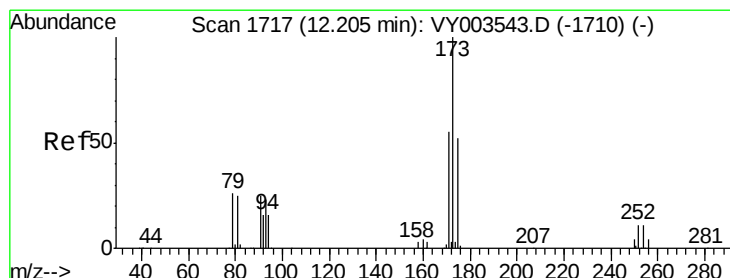
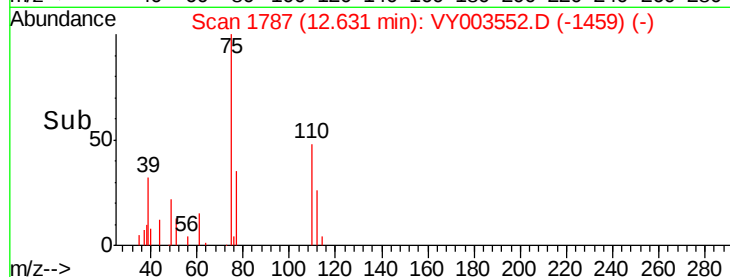
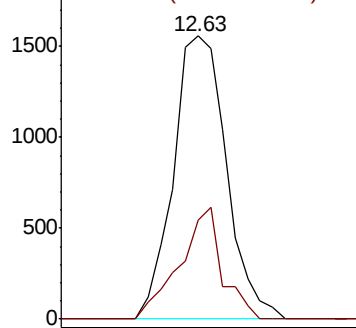
75 100

77 31.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#62

Bromoform

Concen: 1.215 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

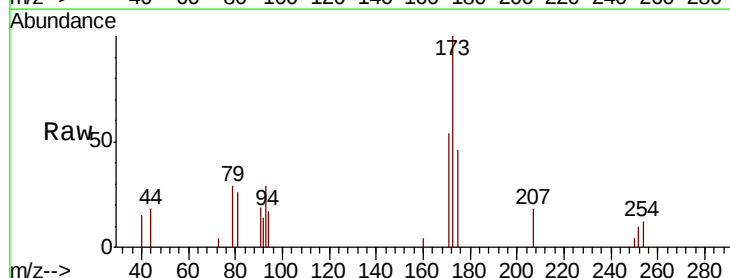
Tgt Ion: 173 Resp: 2384

Ion Ratio Lower Upper

173 100

175 0.0 39.5 59.3#

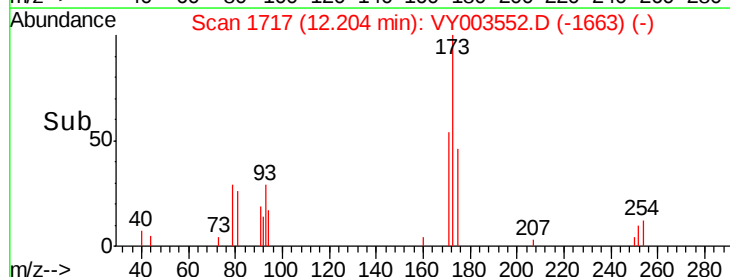
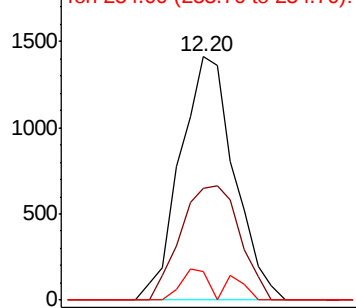
254 6.3 8.6 12.8#

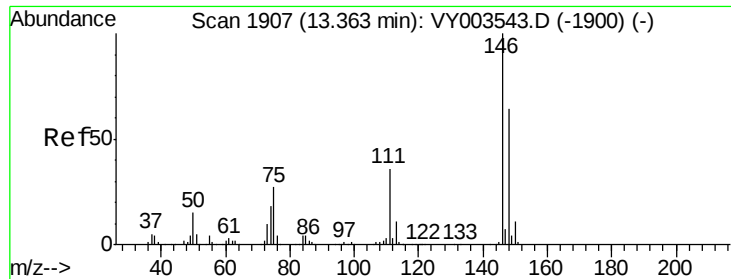


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

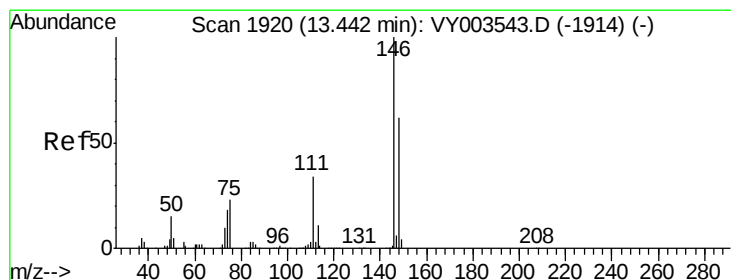
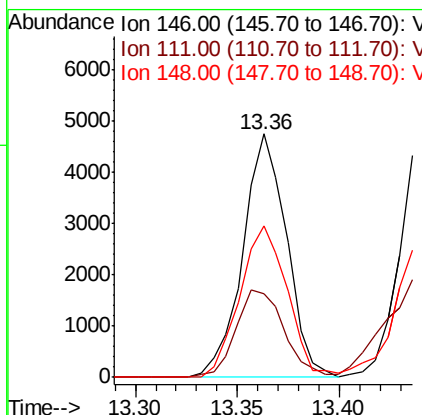
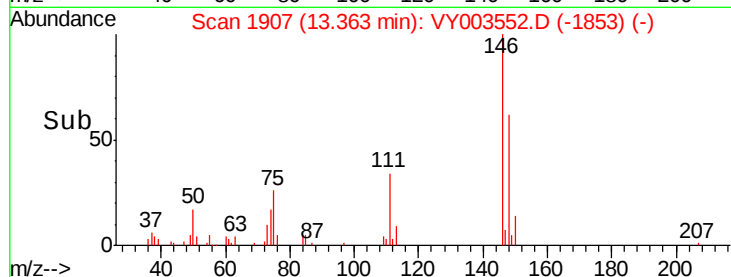
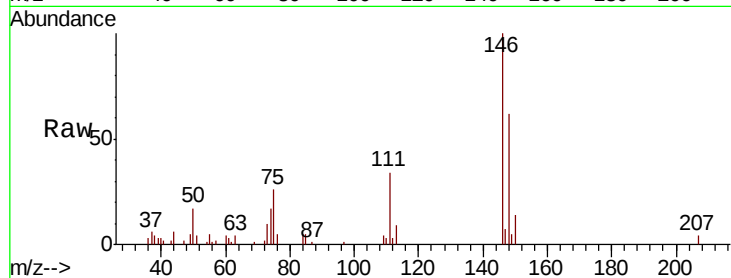




#63
 1,3-Dichlorobenzene
 Concen: 1.163 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

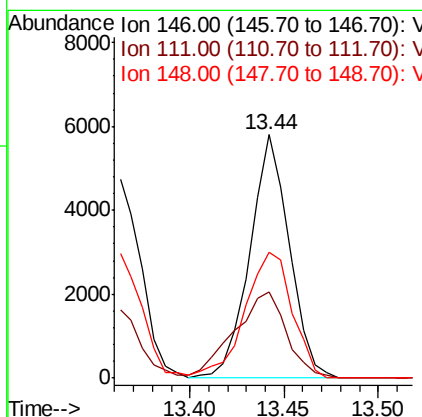
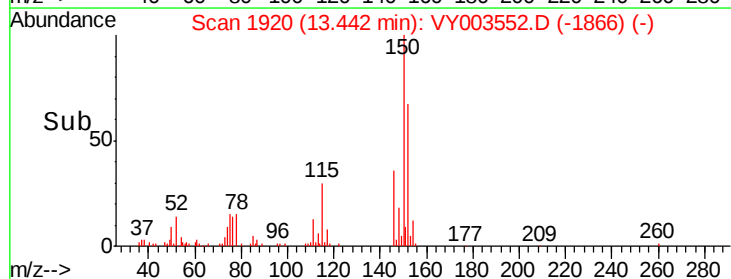
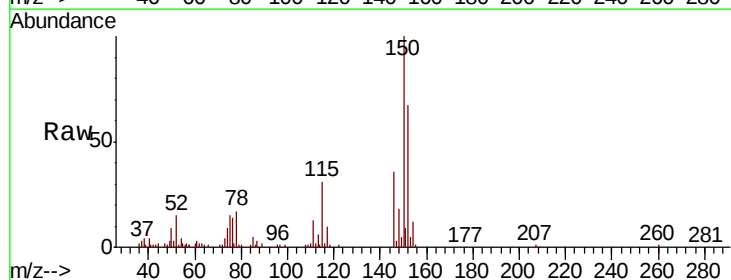
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

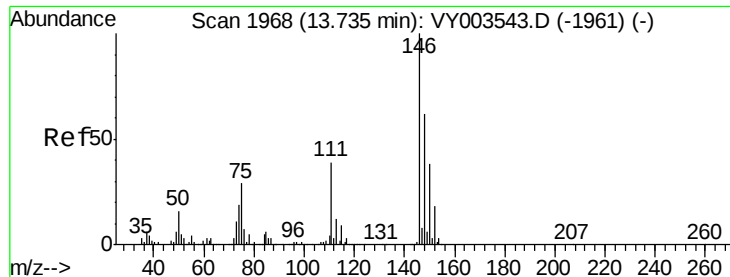
Tot Ion:146 Resp: 7093
 Ion Ratio Lower Upper
 146 100
 111 34.1 25.1 46.5
 148 62.3 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 1.343 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion:146 Resp: 8433
 Ion Ratio Lower Upper
 146 100
 111 35.6 24.1 44.8
 148 51.8 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 1.286 ug/L

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

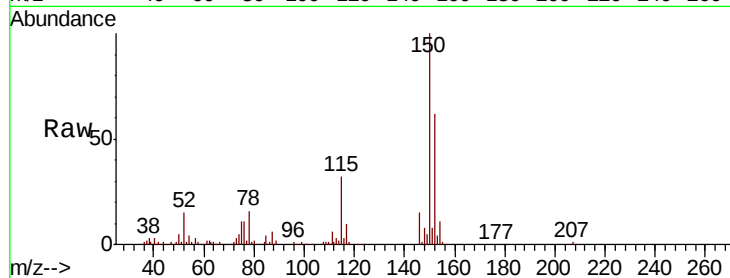
Tot Ion:146 Resp: 6457

Ion Ratio Lower Upper

146 100

111 40.4 31.0 46.6

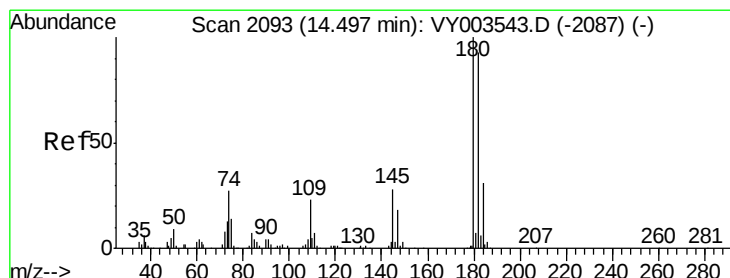
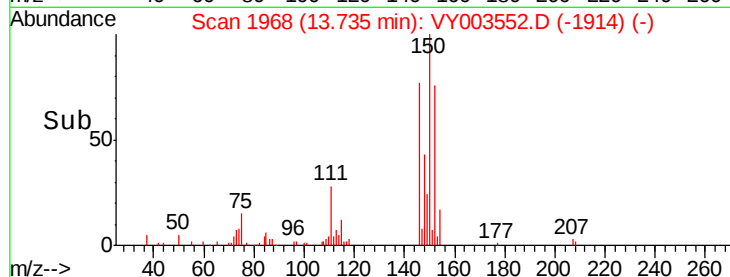
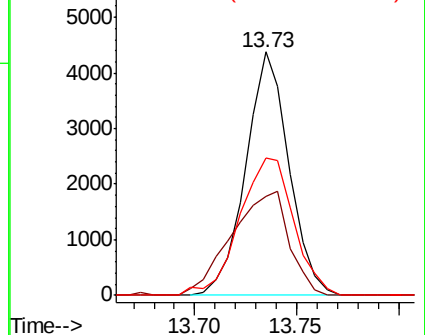
148 56.7 49.8 74.8



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

1,3,5-Trichlorobenzene

Concen: 1.231 ug/L

RT: 14.50 min Scan# 2093

Delta R.T. -0.00 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Tgt Ion:180 Resp: 3981

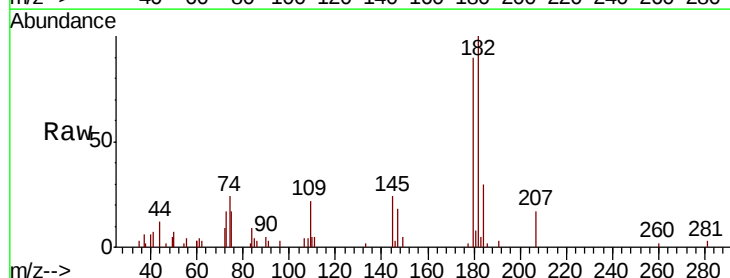
Ion Ratio Lower Upper

180 100

182 94.2 77.3 115.9

184 25.7 24.4 36.6

145 29.0 22.4 33.6

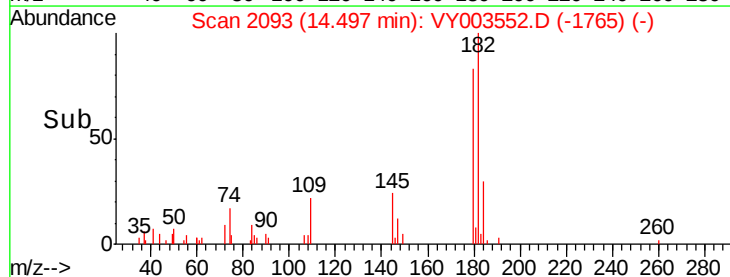
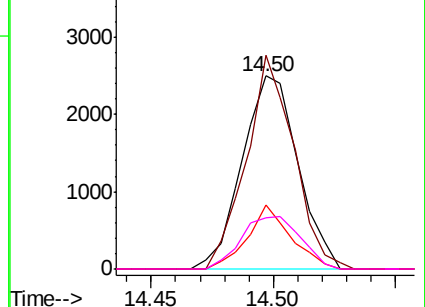


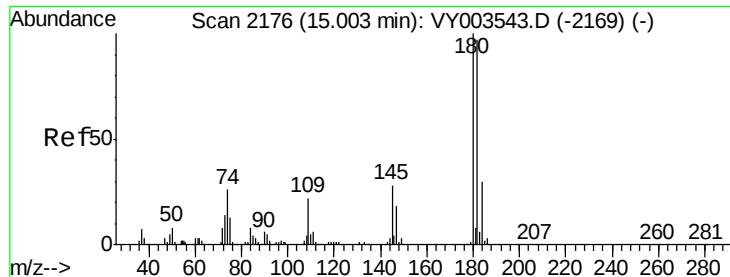
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

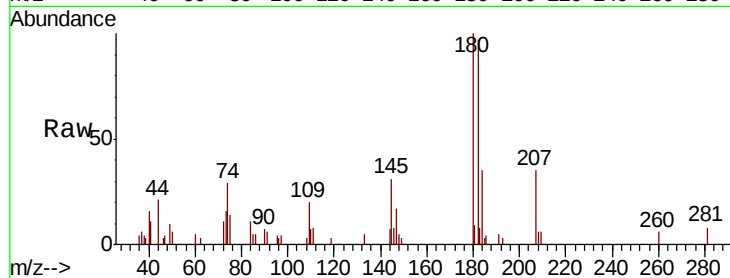




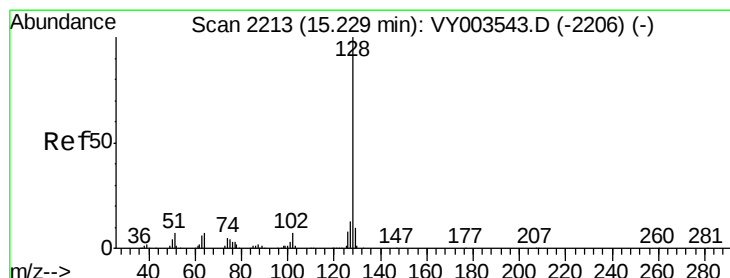
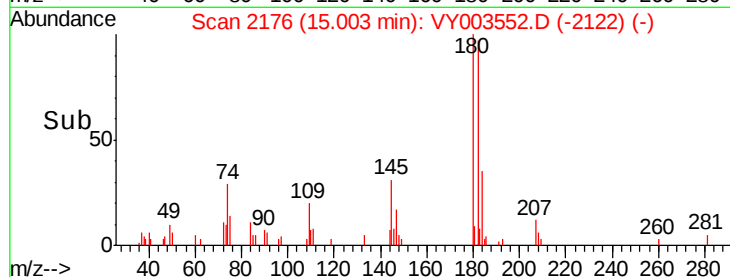
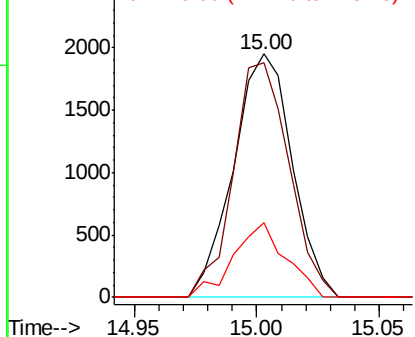
#68
 1,2,4-trichlorobenzene
 Concen: 1.170 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion:180 Resp: 3260
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.5 114.7
 145 27.1 22.8 34.2

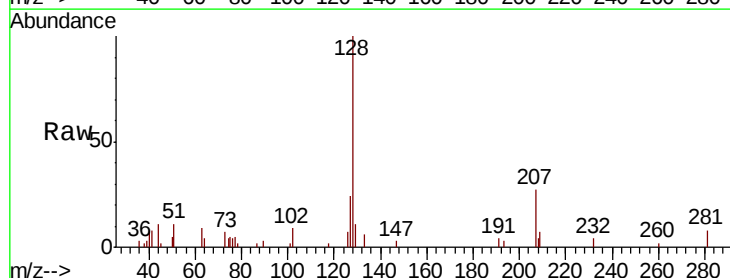


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

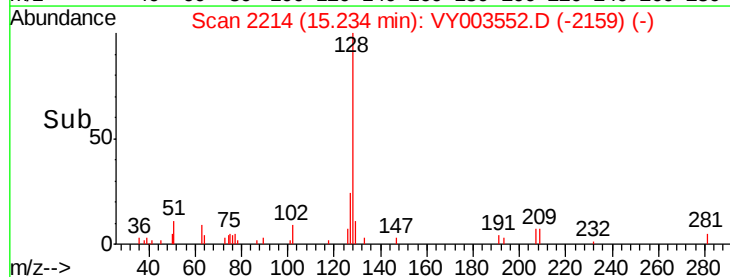
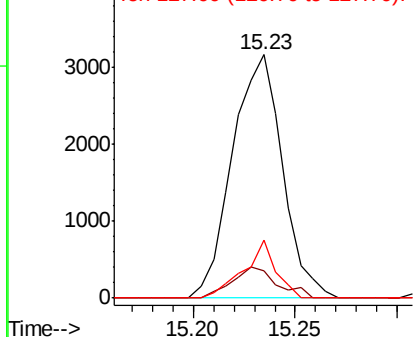


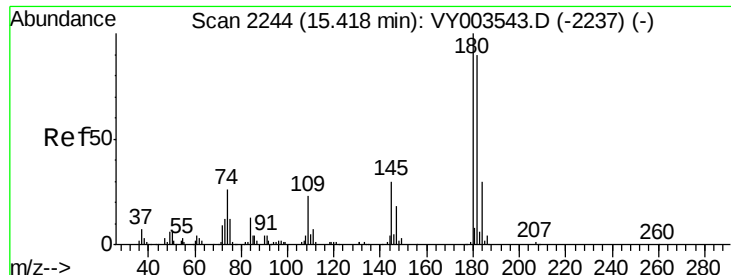
#69
 Naphthalene
 Concen: 1.097 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY003552.D
 Acq: 19 Nov 2020 16:54

Tgt Ion:128 Resp: 5392
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.5 12.7
 127 15.1 10.2 15.2



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





#70

1,2,3-Trichlorobenzene

Concen: 1.245 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY003552.D

Acq: 19 Nov 2020 16:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

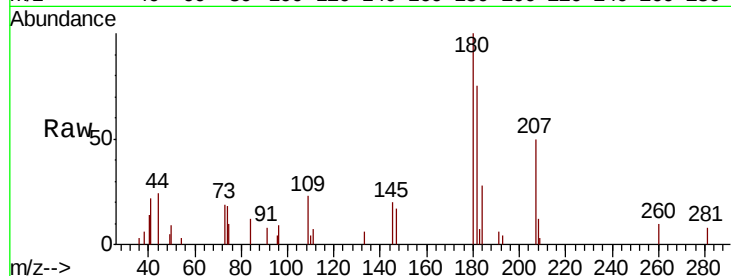
Tot Ion:180 Resp: 2622

Ion Ratio Lower Upper

180 100

182 87.0 76.5 114.7

145 15.1 25.2 37.8#



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

