

Data File : VU036558.D
Acq On : 24 Jan 2020 16:31
Operator : JC/MD
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Jan 24 23:24:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 24 23:19:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	139883	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	133031	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	62460	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38706	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.93	69	36495	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.59	65	16621	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	4.70	46	99256	58.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.12%
24) Chloroform-d	5.11	84	74561	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.75	65	40715	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.77	84	166067	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.73	67	51119	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.93	98	160537	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.21	79	20185	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.67	63	101114	55.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.66%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41542	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	59331	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2616	0.255 ug/L	97
3) Chloromethane	1.54	50	3064	0.283 ug/L	100
5) Vinyl chloride	1.62	62	3223	0.274 ug/L #	79
6) Bromomethane	1.87	94	1998	0.293 ug/L	91
9) Trichlorofluoromethane	2.16	101	3755	0.275 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2915	0.346 ug/L #	84
12) 1,1-Dichloroethene	2.60	96	2630	0.315 ug/L #	1
13) Acetone	2.69	43	6166	4.881 ug/L	96
14) Carbon disulfide	2.82	76	6999	0.266 ug/L	98
15) Methyl Acetate	3.00	43	865	0.268 ug/L #	50
16) Methylene chloride	3.08	84	5603	0.493 ug/L	92
17) Methyl tert-butyl Ether	3.41	73	5442	0.259 ug/L #	86
18) trans-1,2-Dichloroethene	3.39	96	2457	0.274 ug/L	94
19) 1,1-Dichloroethane	3.92	63	4205	0.268 ug/L	92
21) 2-Butanone	4.78	43	7304	3.575 ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	2713	0.271 ug/L	88
23) Bromochloromethane	5.02	128	1100	0.261 ug/L	93

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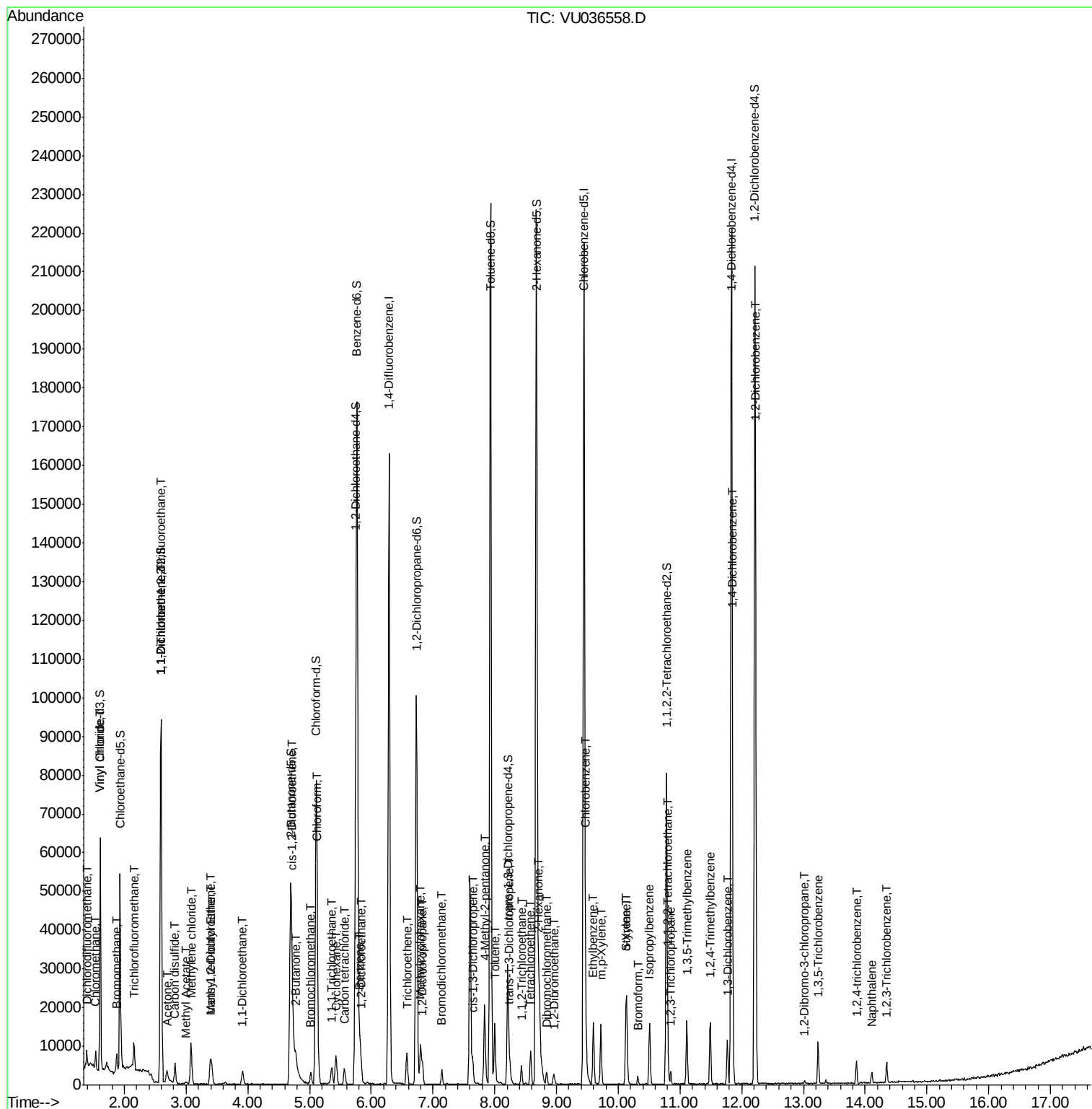
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.13	83	5144	0.329	ug/L	95
27) 1,2-Dichloroethane	5.84	62	2662	0.272	ug/L #	94
29) 1,1,1-Trichloroethane	5.36	97	3284	0.247	ug/L	98
30) Cyclohexane	5.43	56	4037	0.266	ug/L	98
31) Carbon tetrachloride	5.57	117	2799	0.248	ug/L	96
33) Benzene	5.82	78	10268	0.275	ug/L	100
34) Trichloroethene	6.58	95	2652	0.268	ug/L	95
35) Methylcyclohexane	6.80	83	4319	0.255	ug/L	97
37) 1,2-Dichloropropane	6.83	63	2333	0.251	ug/L #	88
38) Bromodichloromethane	7.14	83	2785	0.245	ug/L #	96
39) cis-1,3-Dichloropropene	7.64	75	3752	0.262	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	14272	2.730	ug/L #	85
42) Toluene	8.00	91	11138	0.270	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	3329	0.302	ug/L	95
45) 1,1,2-Trichloroethane	8.43	97	1847	0.269	ug/L	96
47) Tetrachloroethene	8.58	164	2243	0.278	ug/L	86
48) 2-Hexanone	8.72	43	11645	3.228	ug/L #	95
49) Dibromochloromethane	8.84	129	2005	0.255	ug/L	98
50) 1,2-Dibromoethane	8.96	107	1651	0.247	ug/L #	97
51) Chlorobenzene	9.47	112	7512	0.283	ug/L	98
52) Ethylbenzene	9.60	91	12300	0.274	ug/L	99
53) m,p-Xylene	9.72	106	4578	0.263	ug/L	97
54) o-Xylene	10.12	106	4484	0.262	ug/L	98
55) Styrene	10.14	104	7260	0.259	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	2175	0.252	ug/L #	94
59) Bromoform	10.32	173	1012	0.241	ug/L #	90
60) Isopropylbenzene	10.51	105	11550	0.274	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1528	0.263	ug/L	95
62) 1,3,5-Trimethylbenzene	11.11	105	9611	0.266	ug/L	97
63) 1,2,4-Trimethylbenzene	11.49	105	9430	0.263	ug/L	97
64) 1,3-Dichlorobenzene	11.77	146	5384	0.274	ug/L	94
65) 1,4-Dichlorobenzene	11.86	146	5331	0.271	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	5443	0.289	ug/L	95
68) 1,2-Dibromo-3-chloropropan	13.02	75	203	0.165	ug/L	93
69) 1,3,5-Trichlorobenzene	13.24	180	3968	0.262	ug/L	98
70) 1,2,4-trichlorobenzene	13.86	180	2260	0.206	ug/L	97
71) Naphthalene	14.11	128	2764	0.176	ug/L	96
72) 1,2,3-Trichlorobenzene	14.35	180	1924	0.194	ug/L	86

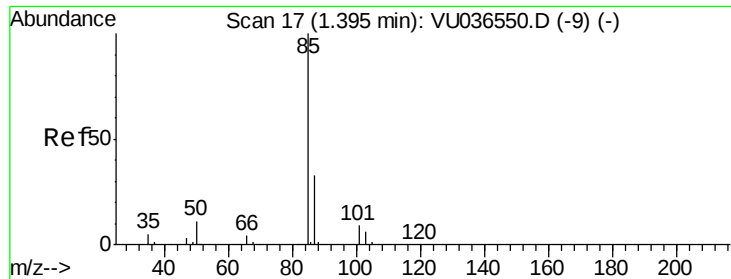
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.255 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

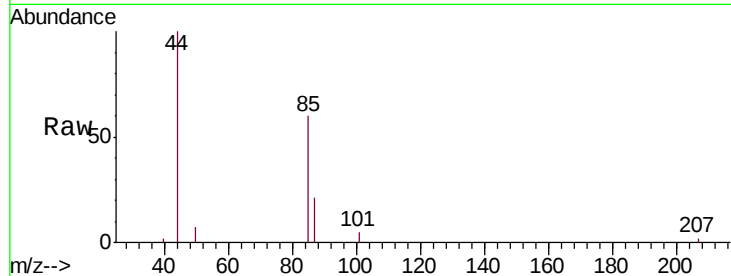
MDL02

Tgt Ion: 85 Resp: 2616

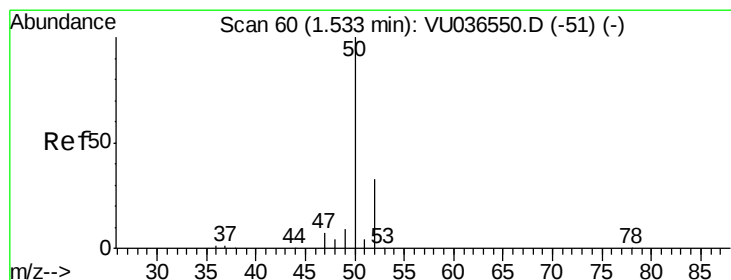
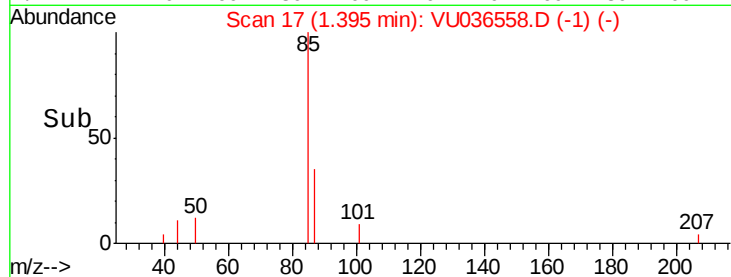
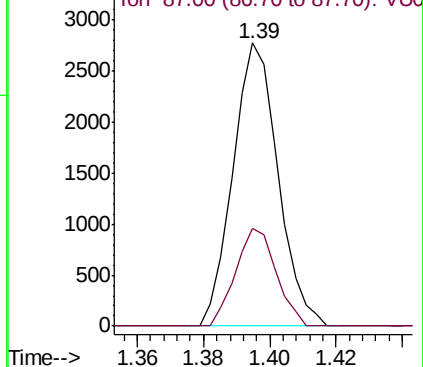
Ion Ratio Lower Upper

85 100

87 31.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036550.D (-9) (-)



#3

Chloromethane

Concen: 0.283 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036558.D

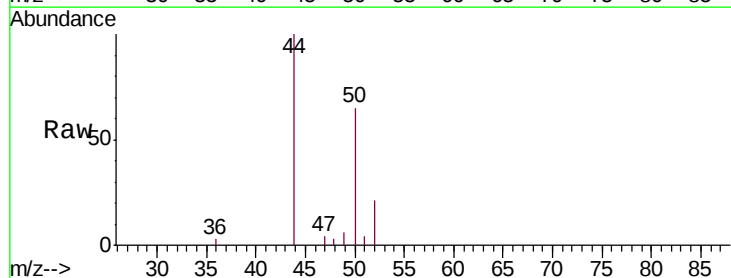
Acq: 24 Jan 2020 16:31

Tgt Ion: 50 Resp: 3064

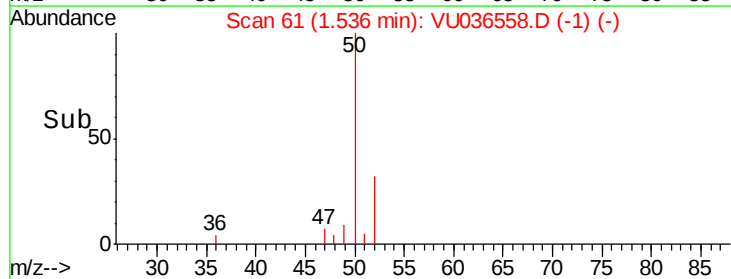
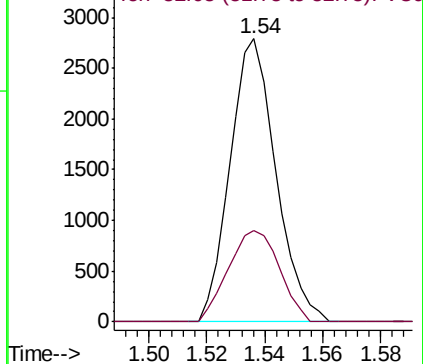
Ion Ratio Lower Upper

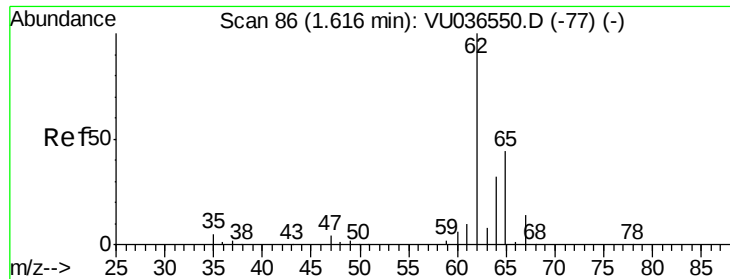
50 100

52 32.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU036550.D (-51) (-)





#5

Vinyl chloride

Concen: 0.274 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

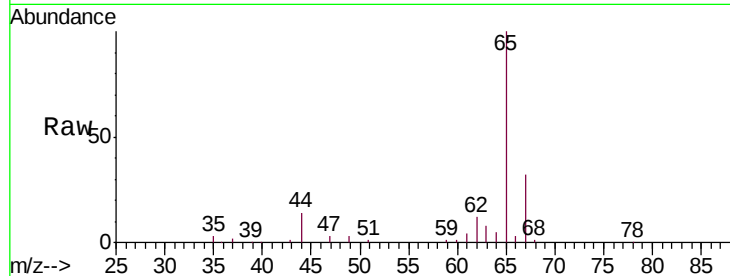
MDL02

Tgt Ion: 62 Resp: 3223

Ion Ratio Lower Upper

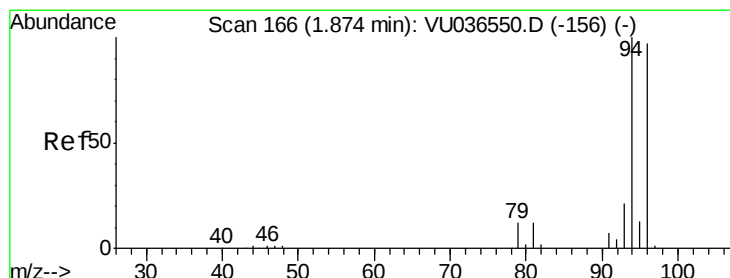
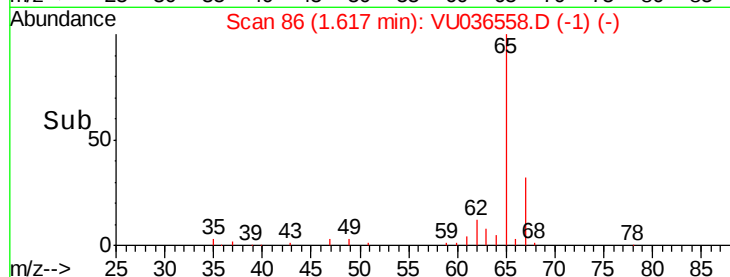
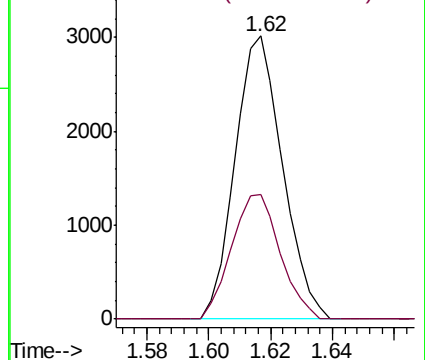
62 100

64 44.3 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU036550.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036550.D (-77) (-)



#6

Bromomethane

Concen: 0.293 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036558.D

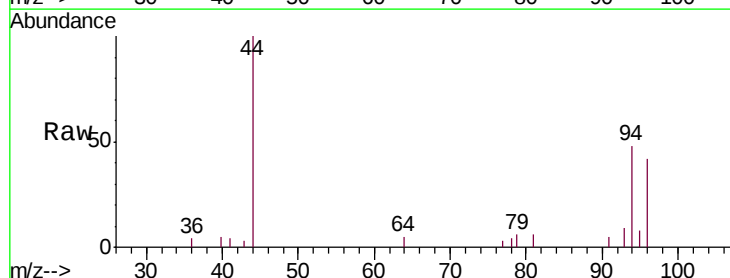
Acq: 24 Jan 2020 16:31

Tgt Ion: 94 Resp: 1998

Ion Ratio Lower Upper

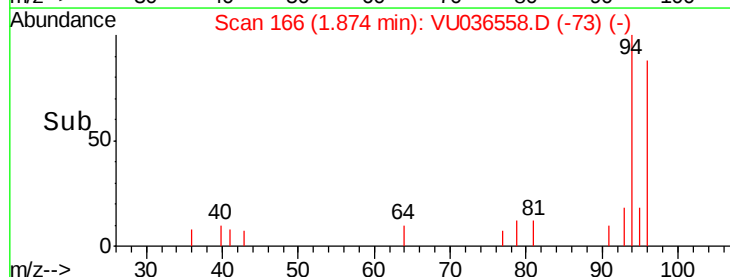
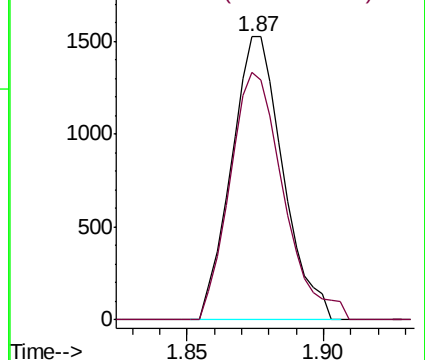
94 100

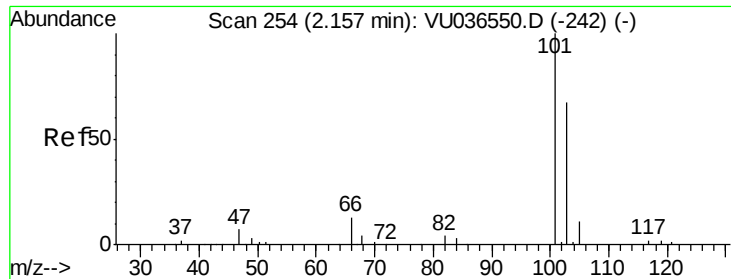
96 87.6 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU036550.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036550.D (-156) (-)





#9

Trichlorofluoromethane

Concen: 0.275 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

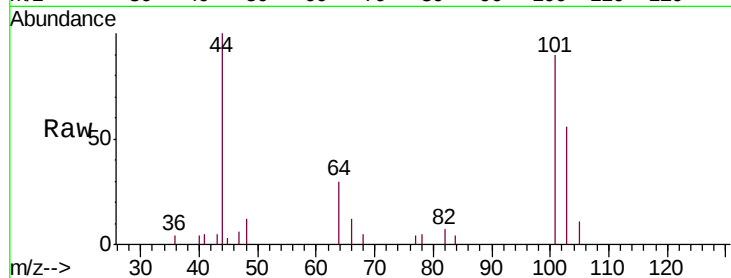
MDL02

Tgt Ion:101 Resp: 3755

Ion Ratio Lower Upper

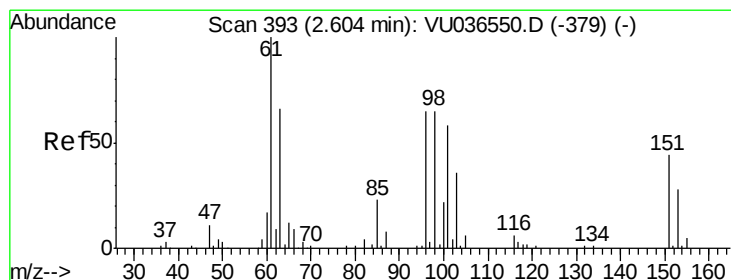
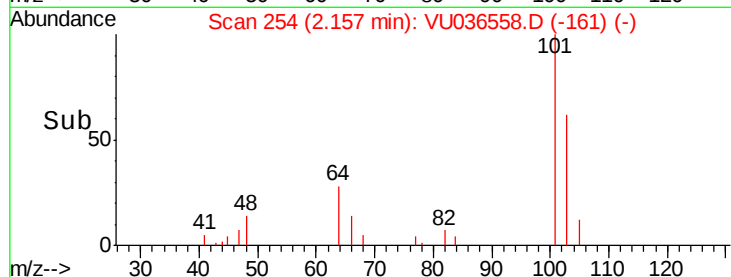
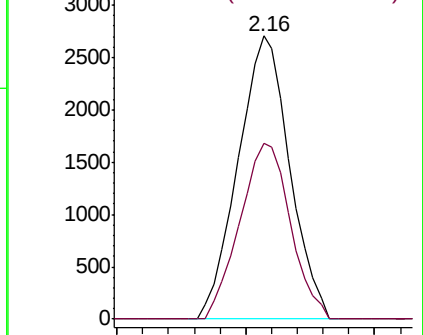
101 100

103 61.0 52.5 78.7



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: 0.346 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

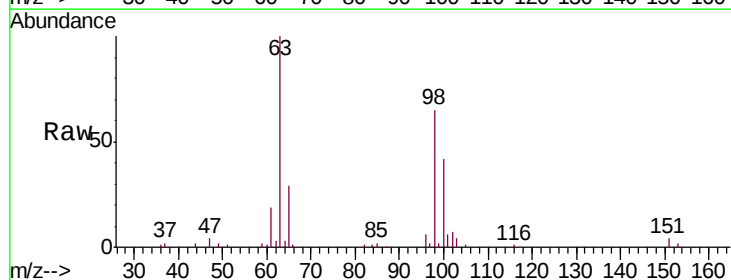
Tgt Ion:101 Resp: 2915

Ion Ratio Lower Upper

101 100

85 32.7 32.2 48.4

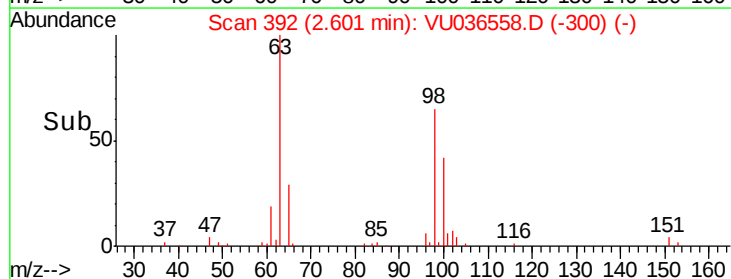
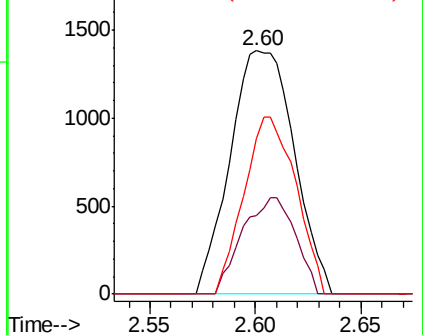
151 59.0 59.2 88.8#

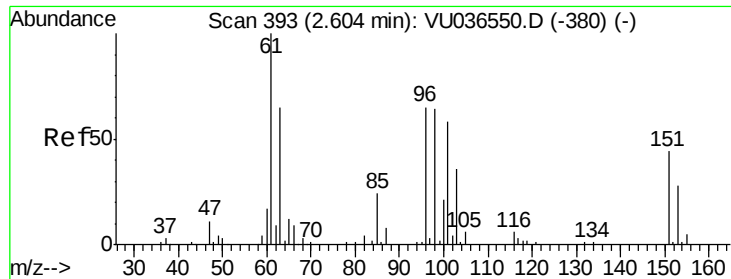


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

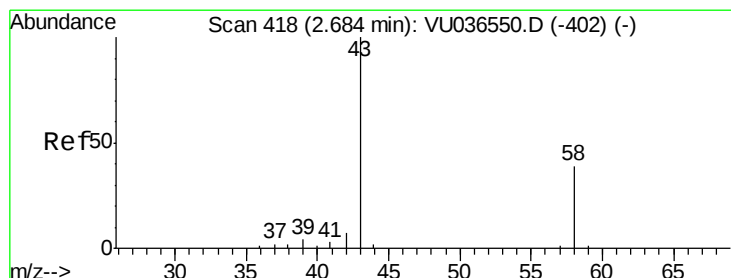
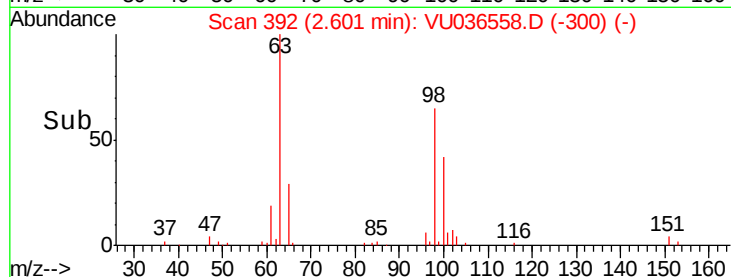
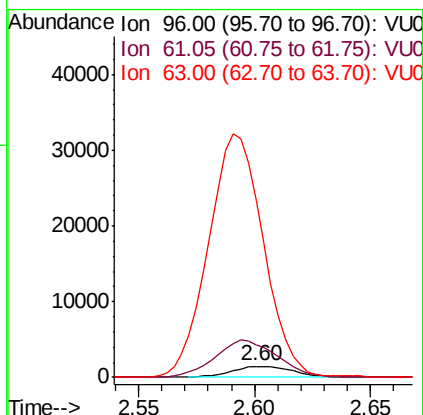
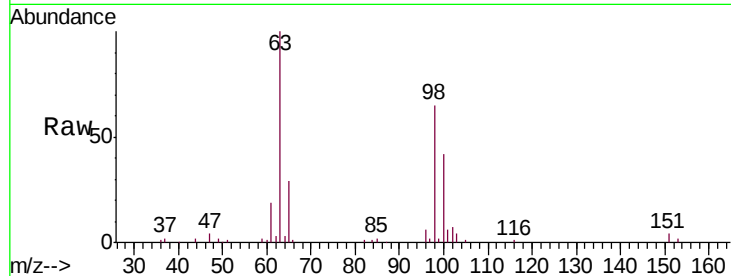




#12
 1,1-Dichloroethene
 Concen: 0.315 ug/L
 RT: 2.60 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

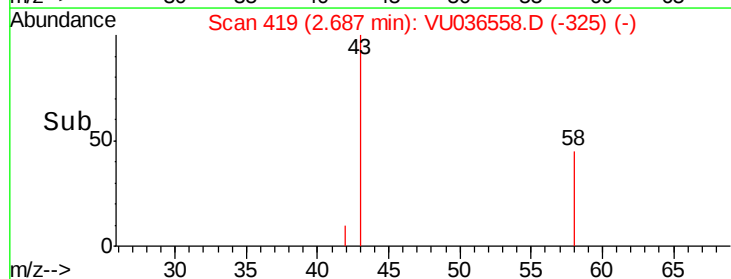
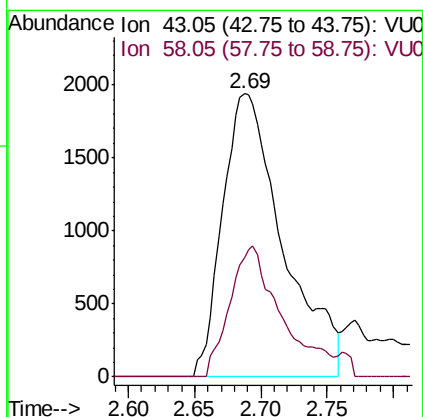
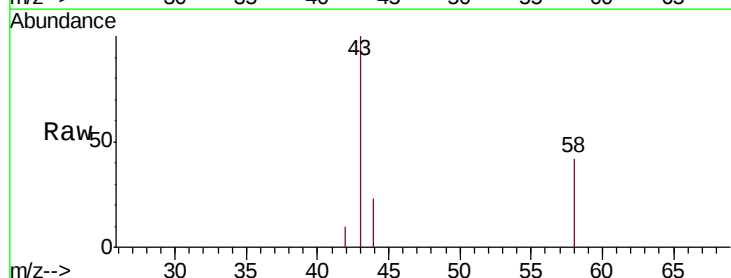
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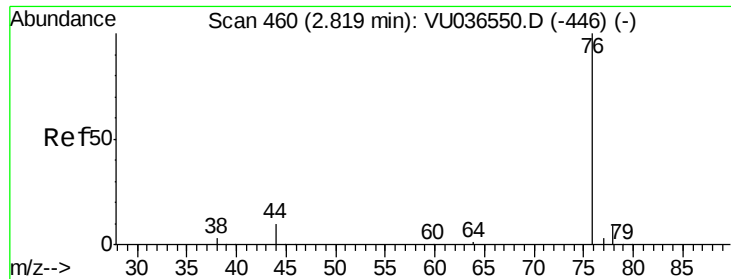
Tgt Ion: 96 Resp: 2630
 Ion Ratio Lower Upper
 96 100
 61 297.1 108.2 201.0#
 63 1589.6 72.0 133.8#



#13
 Acetone
 Concen: 4.881 ug/L
 RT: 2.69 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

Tgt Ion: 43 Resp: 6166
 Ion Ratio Lower Upper
 43 100
 58 39.6 0.0 74.0





#14

Carbon disulfide

Concen: 0.266 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

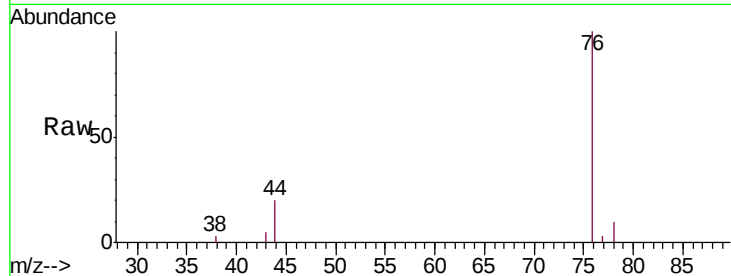
MDL02

Tgt Ion: 76 Resp: 6999

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036558.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036558.D (-367) (-)

2.82

4000

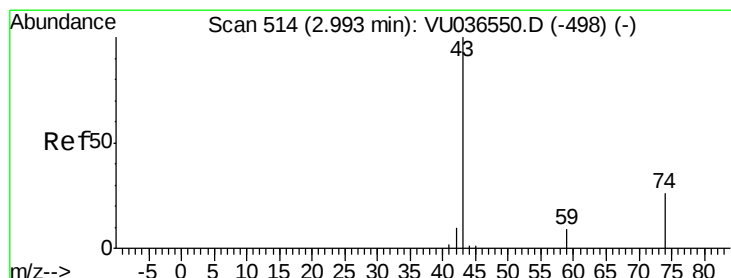
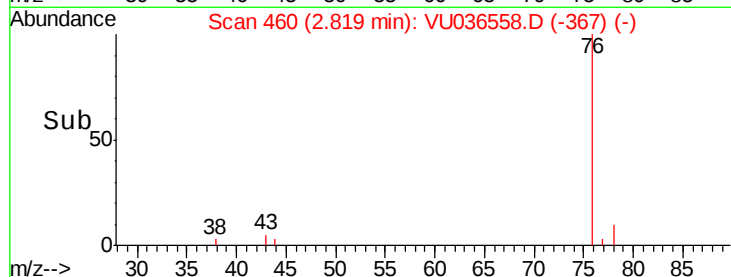
3000

2000

1000

0

Time-->



#15

Methyl Acetate

Concen: 0.268 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU036558.D

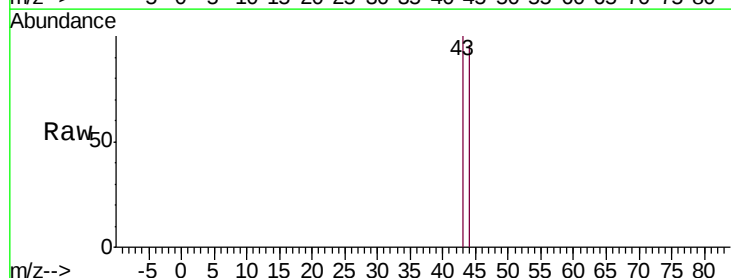
Acq: 24 Jan 2020 16:31

Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

43 100

74 2.2 22.7 34.1#



Abundance Ion 43.05 (42.75 to 43.75): VU036558.D (-421) (-)

Ion 74.05 (73.75 to 74.75): VU036558.D (-421) (-)

3.00

400

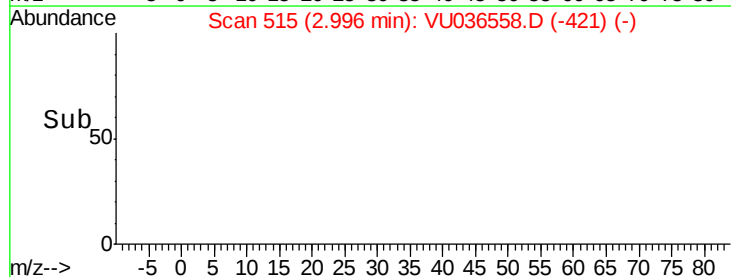
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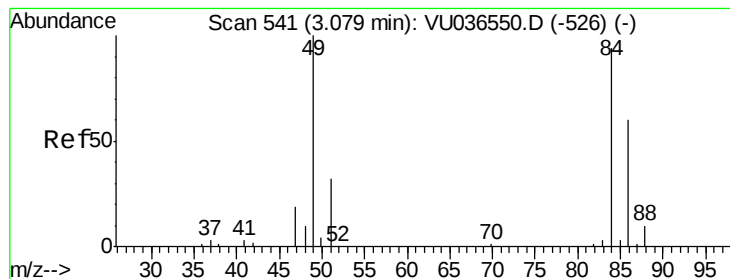
200

100

0

Time-->





#16

Methylene chloride

Concen: 0.493 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampled :

MDL02

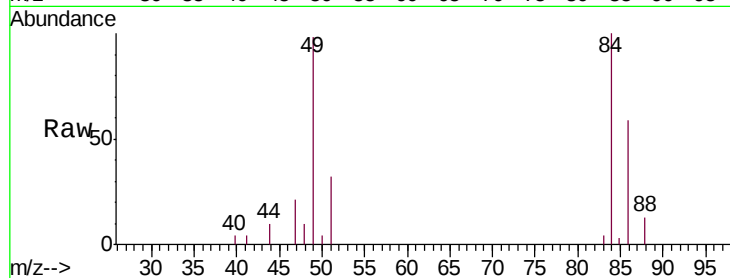
Tgt Ion: 84 Resp: 5603

Ion Ratio Lower Upper

84 100

86 59.2 44.8 83.2

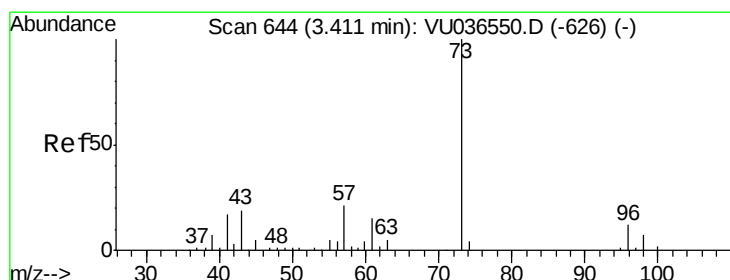
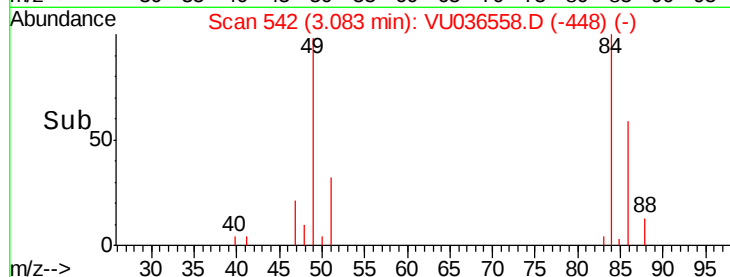
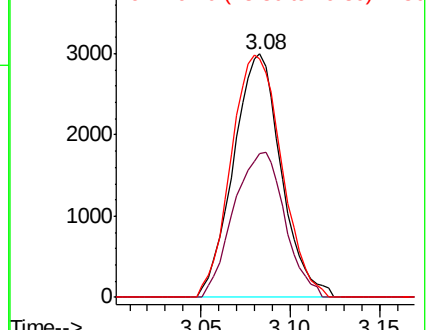
49 97.9 74.8 139.0



Abundance Ion 84.05 (83.75 to 84.75): VU036558.D (-548) (-)

Ion 86.00 (85.70 to 86.70): VU036558.D (-548) (-)

Ion 49.10 (48.80 to 49.80): VU036558.D (-548) (-)



#17

Methyl tert-butyl Ether

Concen: 0.259 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

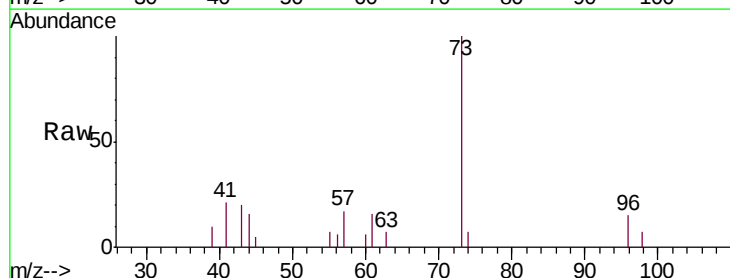
Tgt Ion: 73 Resp: 5442

Ion Ratio Lower Upper

73 100

43 17.9 14.6 21.8

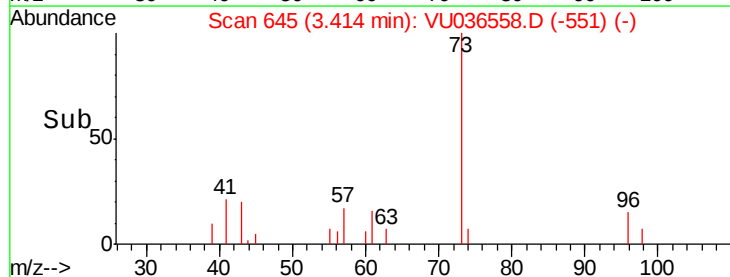
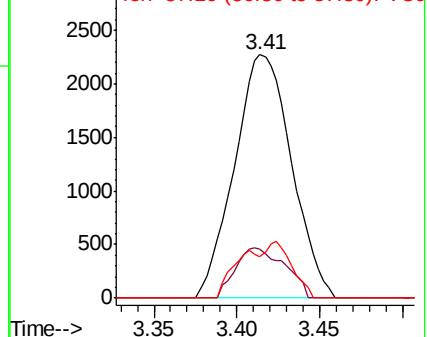
57 9.6 17.0 25.6#

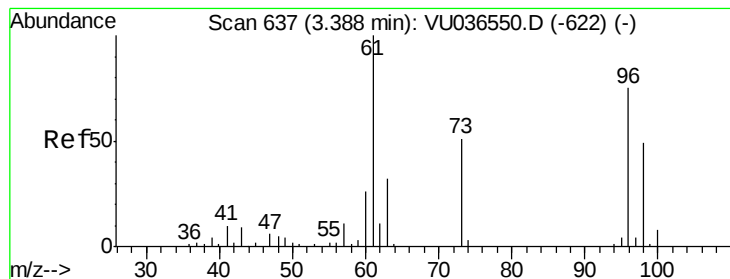


Abundance Ion 73.10 (72.80 to 73.80): VU036558.D (-551) (-)

Ion 43.05 (42.75 to 43.75): VU036558.D (-551) (-)

Ion 57.10 (56.80 to 57.80): VU036558.D (-551) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.274 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampled :

MDL02

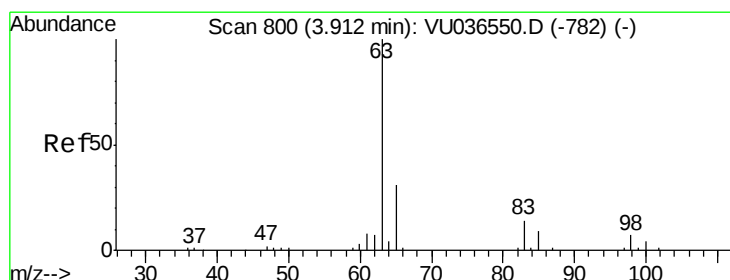
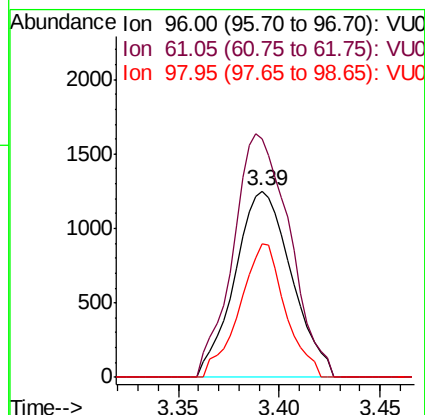
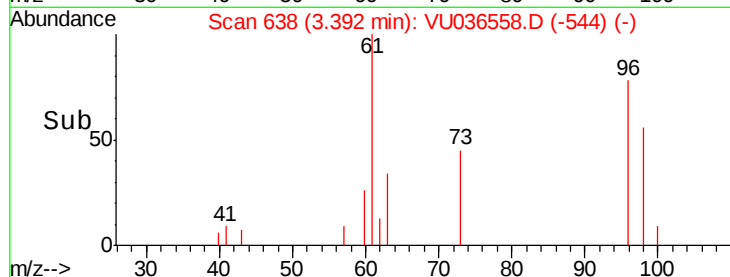
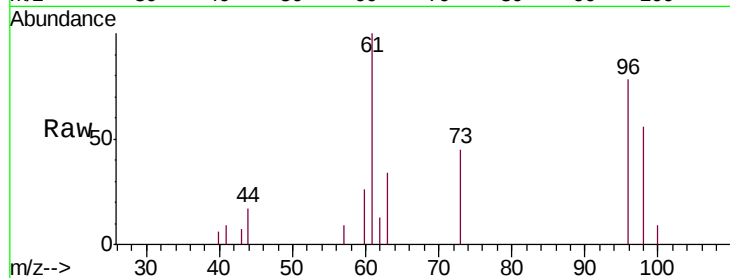
Tgt Ion: 96 Resp: 2457

Ion Ratio Lower Upper

96 100

61 127.9 93.1 172.9

98 72.1 45.5 84.5



#19

1,1-Dichloroethane

Concen: 0.268 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

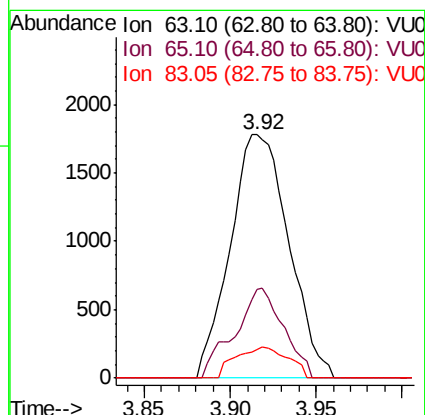
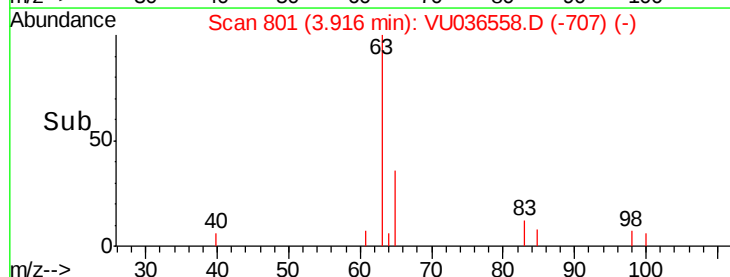
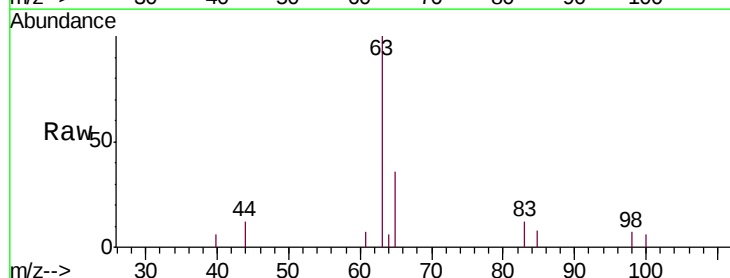
Tgt Ion: 63 Resp: 4205

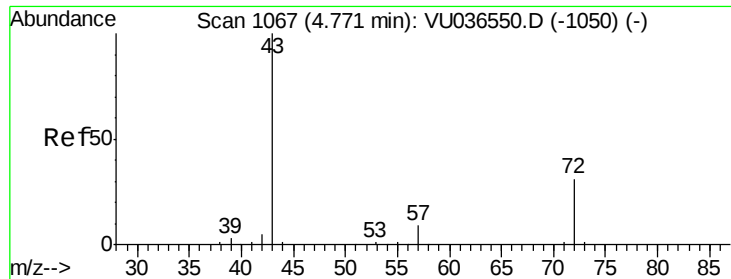
Ion Ratio Lower Upper

63 100

65 36.5 21.8 40.6

83 12.0 9.8 18.2





#21

2-Butanone

Concen: 3.575 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampled :

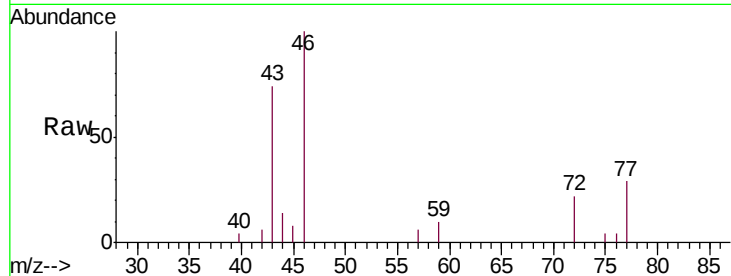
MDL02

Tgt Ion: 43 Resp: 7304

Ion Ratio Lower Upper

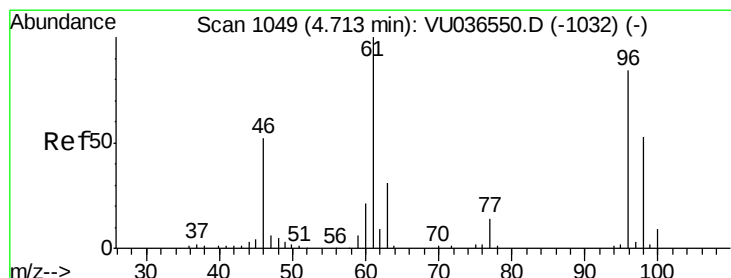
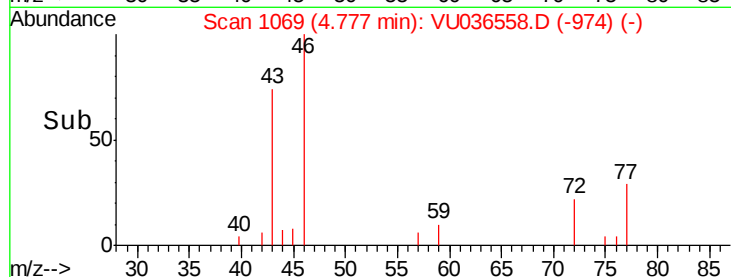
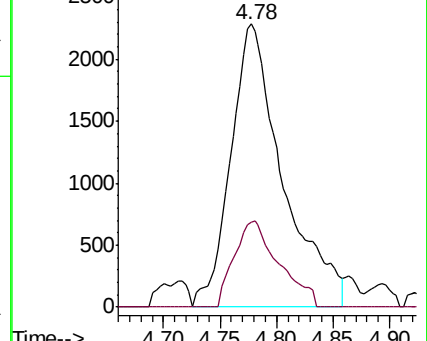
43 100

72 26.3 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036558.D (-974) (-)

Ion 72.10 (71.80 to 72.80): VU036558.D (-974) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.271 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

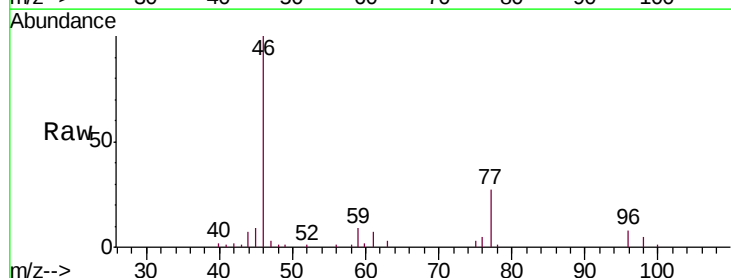
Tgt Ion: 96 Resp: 2713

Ion Ratio Lower Upper

96 100

61 99.2 83.0 154.1

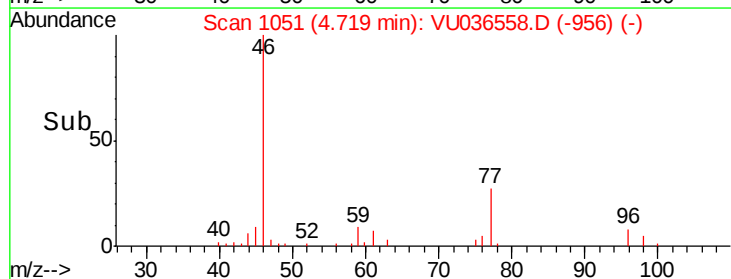
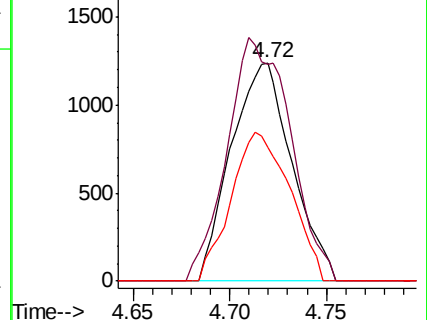
98 61.3 43.8 81.3

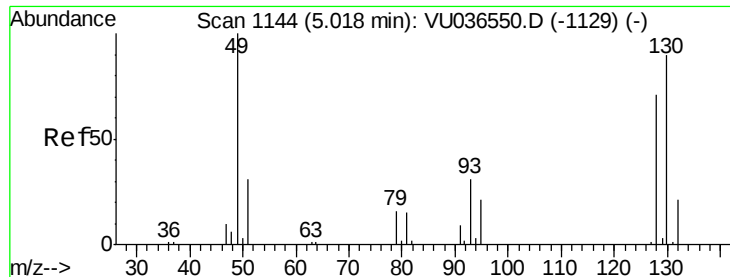


Abundance Ion 96.00 (95.70 to 96.70): VU036558.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036558.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036558.D (-956) (-)





#23

Bromochloromethane

Concen: 0.261 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:128 Resp: 1100

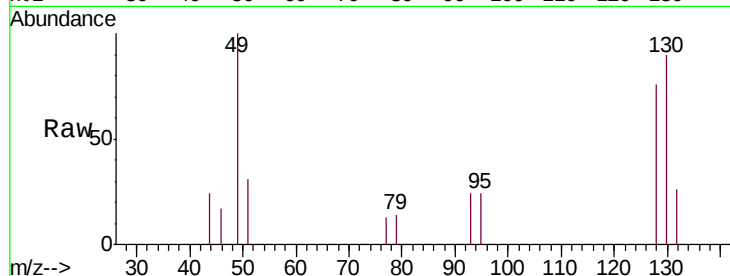
Ion Ratio Lower Upper

128 100

49 131.7 98.6 183.2

130 119.0 89.1 165.5

51 41.2 35.4 53.2

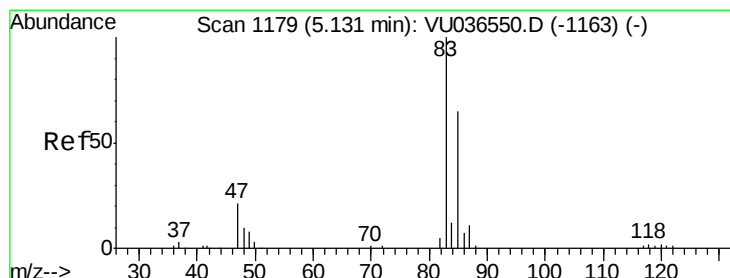
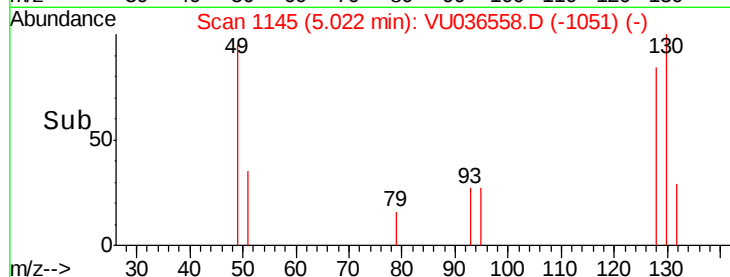
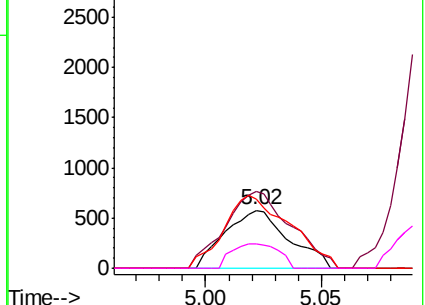


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#25

Chloroform

Concen: 0.329 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036558.D

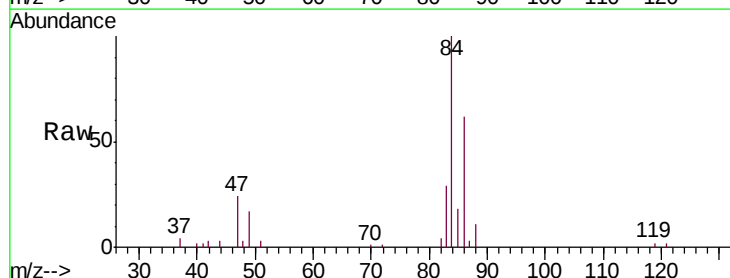
Acq: 24 Jan 2020 16:31

Tgt Ion: 83 Resp: 5144

Ion Ratio Lower Upper

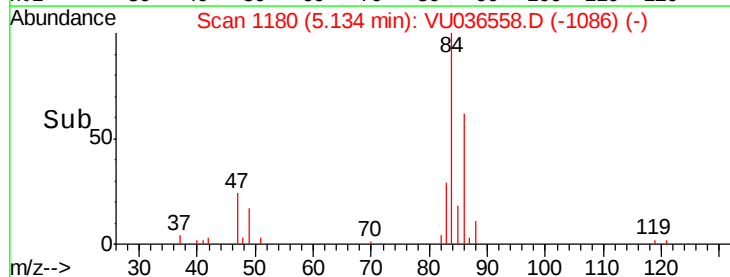
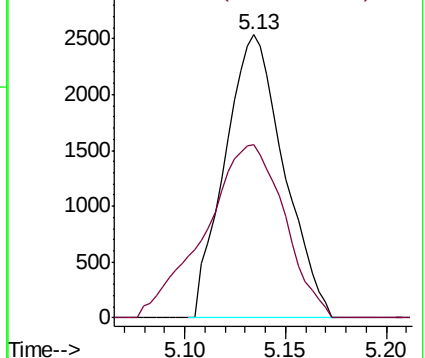
83 100

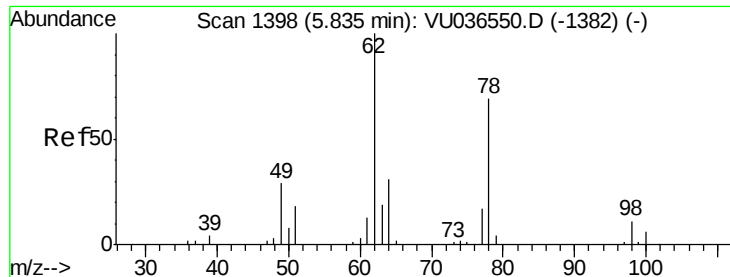
85 61.3 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

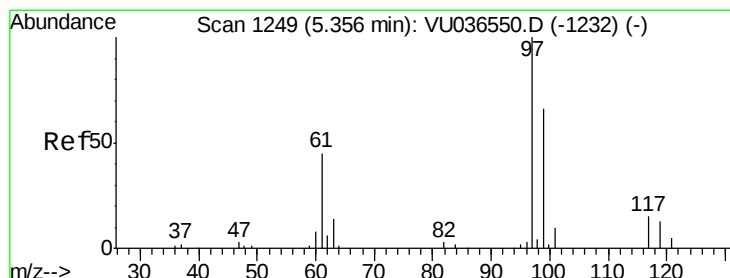
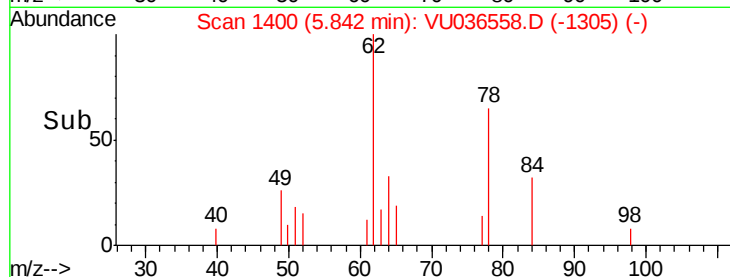
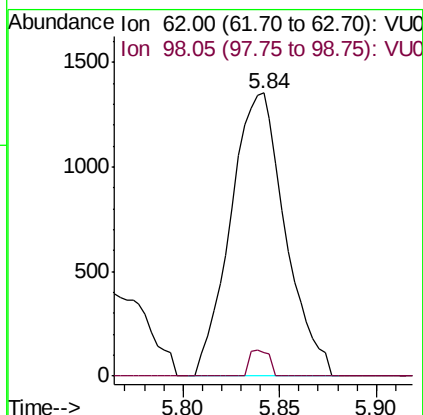
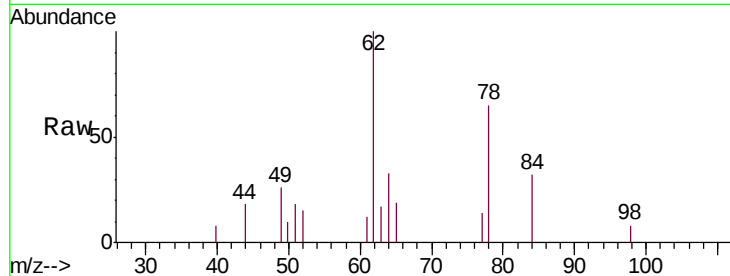




#27
 1,2-Dichloroethane
 Concen: 0.272 ug/L
 RT: 5.84 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

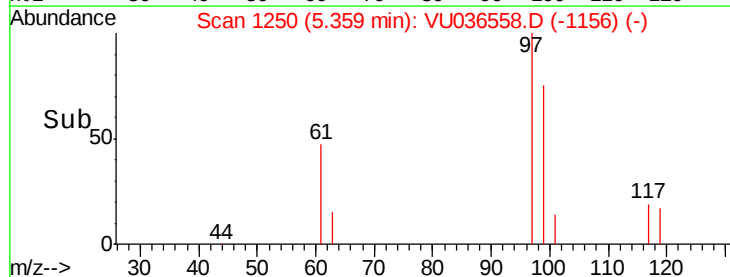
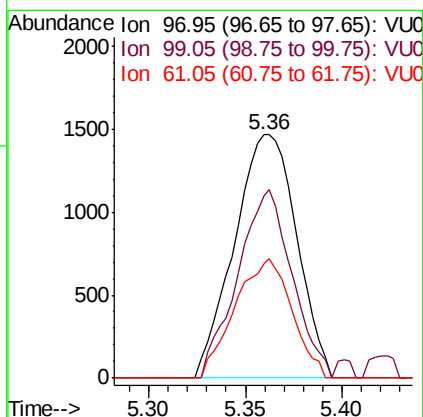
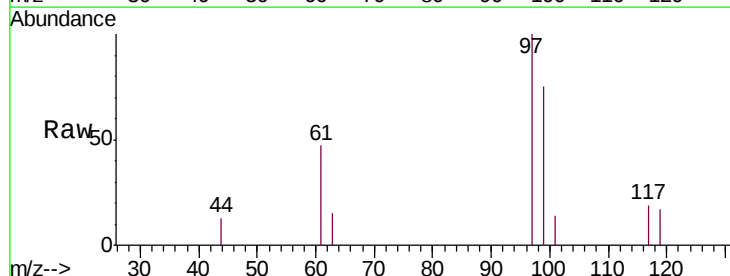
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

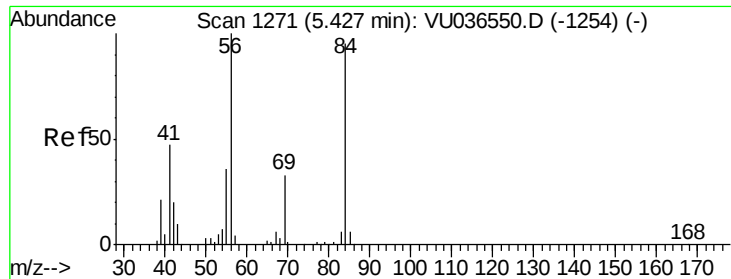
Tgt Ion: 62 Resp: 2662
 Ion Ratio Lower Upper
 62 100
 98 8.3 8.5 12.7#



#29
 1,1,1-Trichloroethane
 Concen: 0.247 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

Tgt Ion: 97 Resp: 3284
 Ion Ratio Lower Upper
 97 100
 99 67.7 52.0 78.0
 61 44.8 35.6 53.4

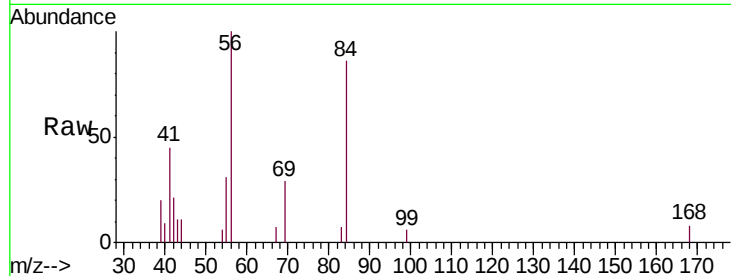




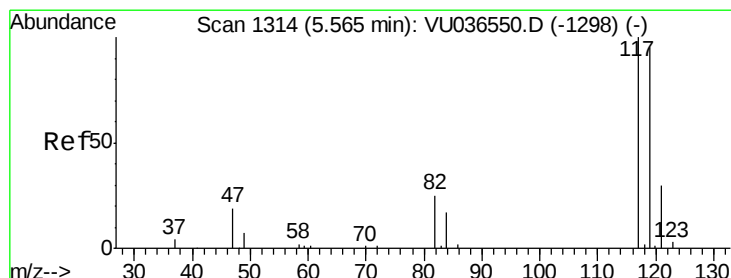
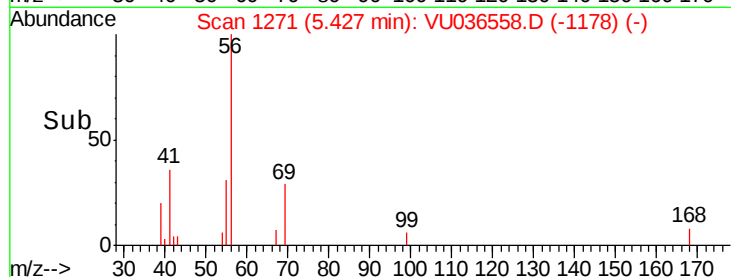
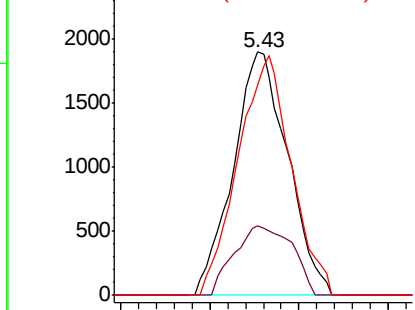
#30
Cyclohexane
Concen: 0.266 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036558.D
Acq: 24 Jan 2020 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 56 Resp: 4037
Ion Ratio Lower Upper
56 100
69 30.3 25.7 38.5
84 96.0 75.3 112.9

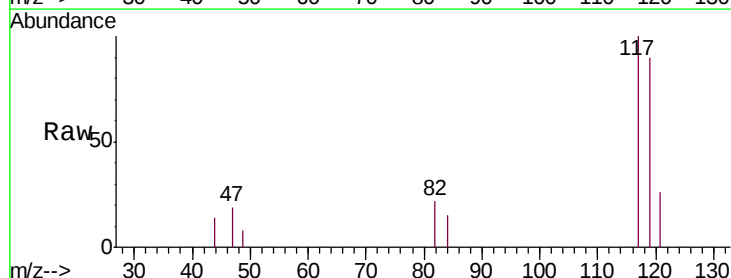


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

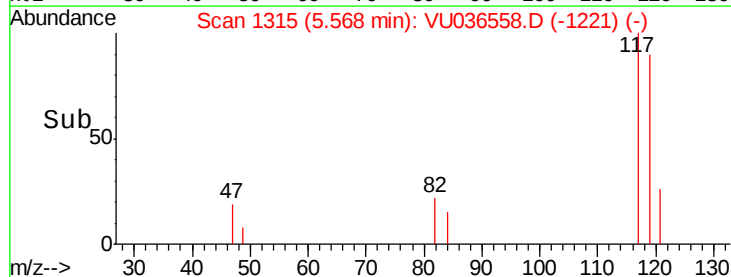
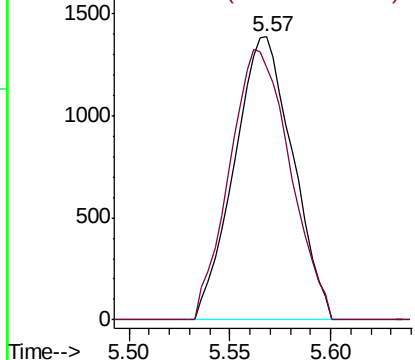


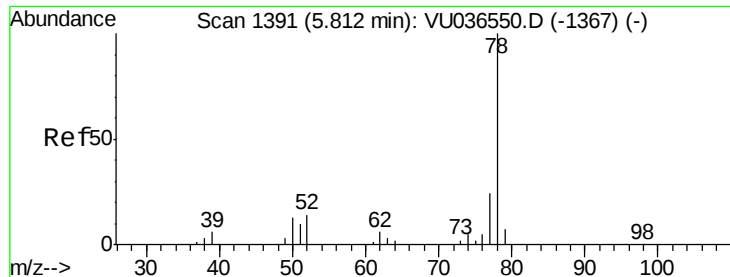
#31
Carbon tetrachloride
Concen: 0.248 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU036558.D
Acq: 24 Jan 2020 16:31

Tgt Ion: 117 Resp: 2799
Ion Ratio Lower Upper
117 100
119 99.0 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 0.275 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

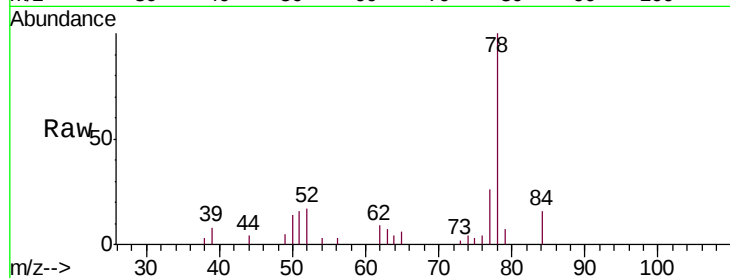
Instrument :

MSVOA_U

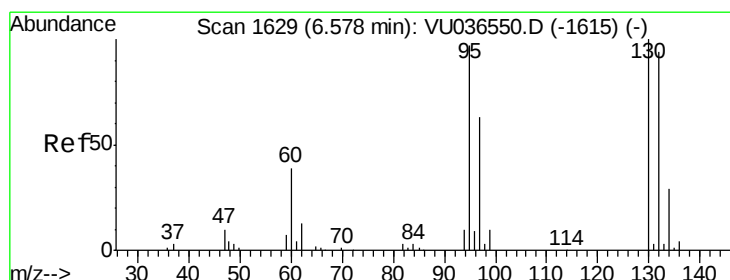
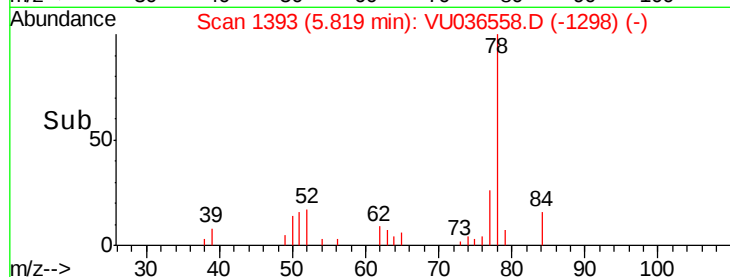
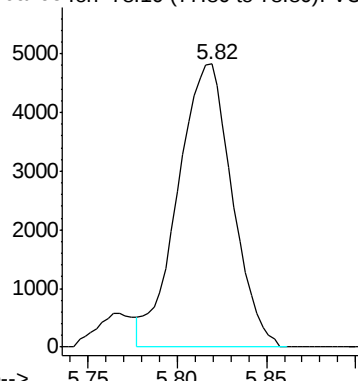
ClientSampled :

MDL02

Tgt Ion: 78 Resp: 10268



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.268 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Tgt Ion: 95 Resp: 2652

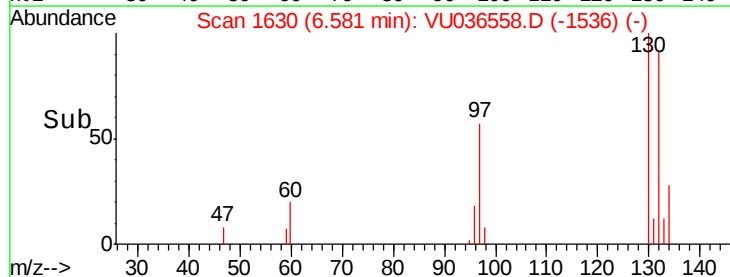
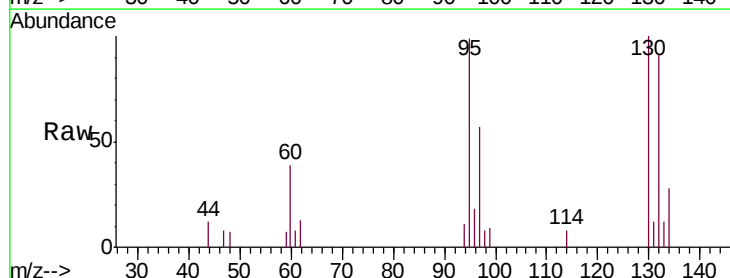
Ion	Ratio	Lower	Upper
95	100		
97	57.9	45.6	84.8
132	91.6	67.7	125.7
130	100.8	72.2	134.2

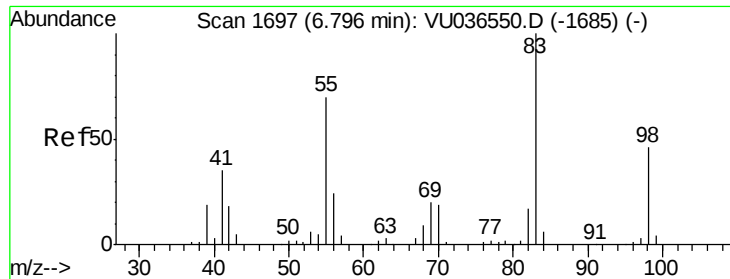
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

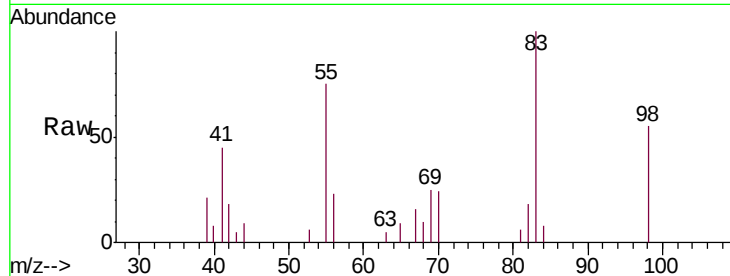




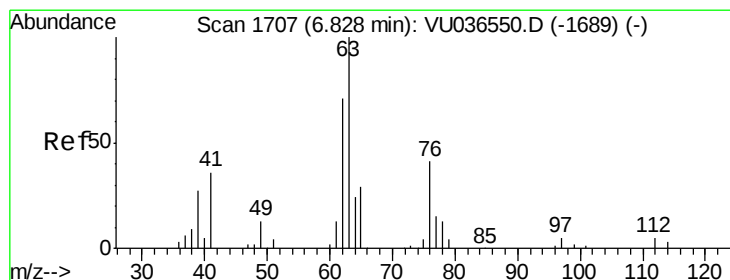
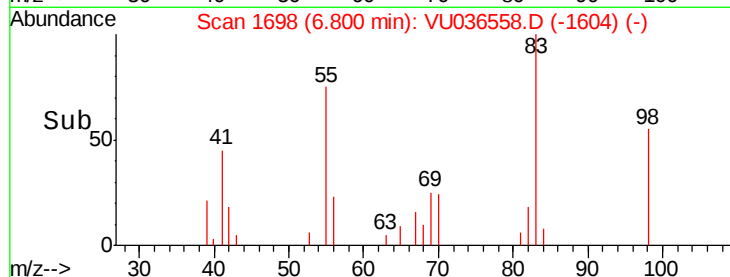
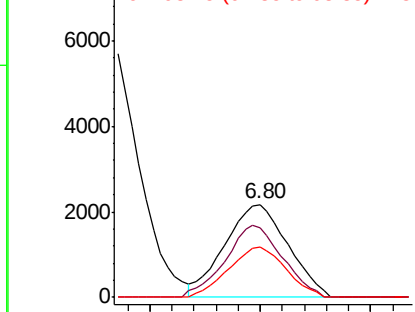
#35
Methylcyclohexane
Concen: 0.255 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU036558.D
Acq: 24 Jan 2020 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 83 Resp: 4319
Ion Ratio Lower Upper
83 100
55 69.9 56.9 85.3
98 49.4 36.9 55.3

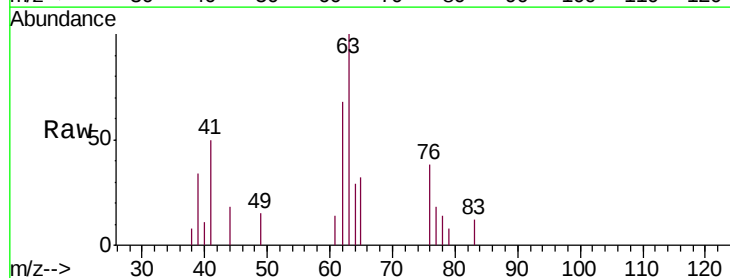


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

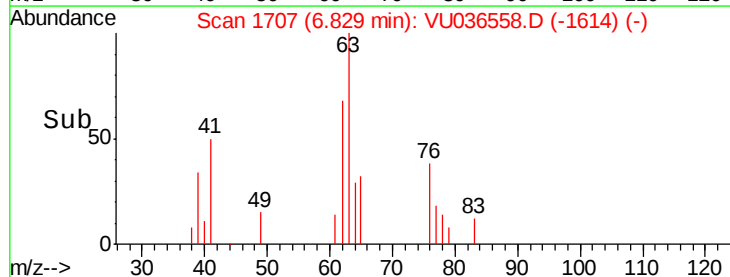
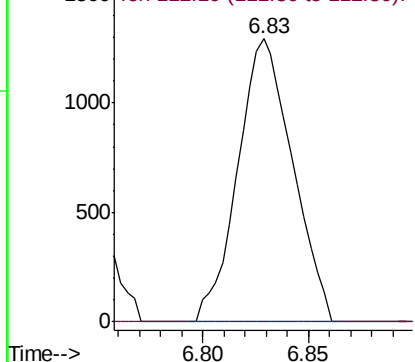


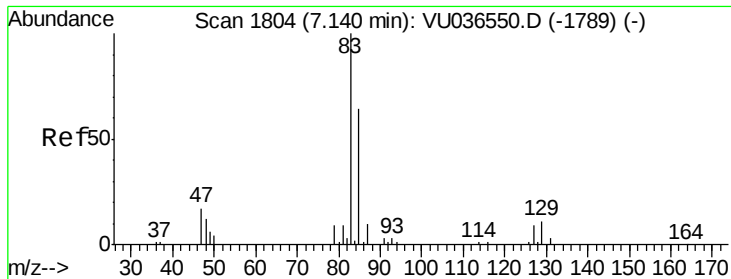
#37
1,2-Dichloropropane
Concen: 0.251 ug/L
RT: 6.83 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VU036558.D
Acq: 24 Jan 2020 16:31

Tgt Ion: 63 Resp: 2333
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.245 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL02

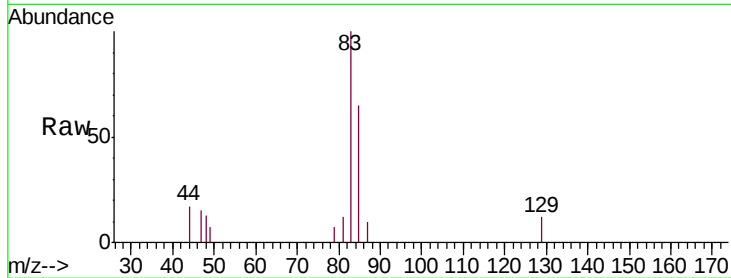
Tgt Ion: 83 Resp: 2785

Ion Ratio Lower Upper

83 100

85 64.6 44.7 82.9

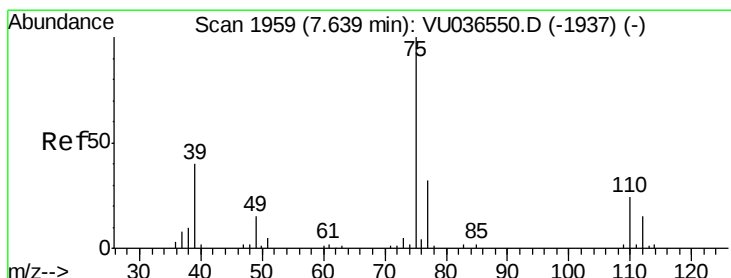
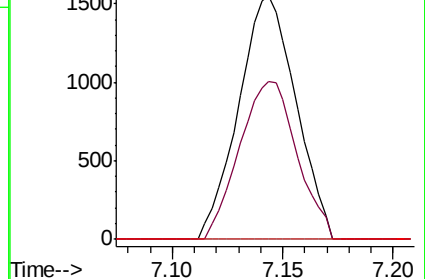
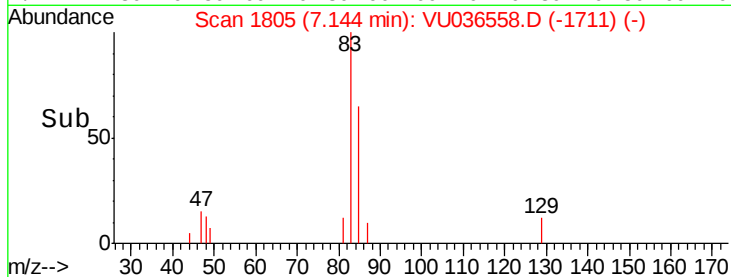
127 0.0 7.2 10.8#



Abundance Ion 82.95 (82.65 to 83.65): VU036558.D (-1711) (-)

Ion 85.00 (84.70 to 85.70): VU036558.D (-1711) (-)

Ion 126.90 (126.60 to 127.60): VU036558.D (-1711) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.262 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VU036558.D

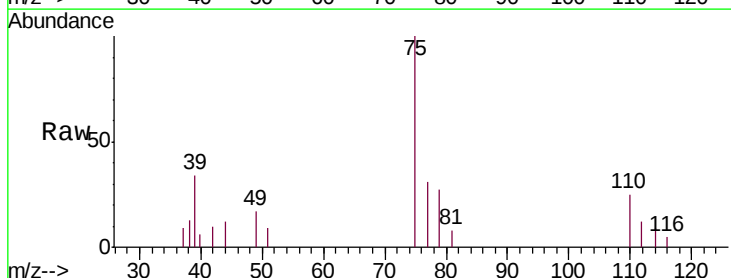
Acq: 24 Jan 2020 16:31

Tgt Ion: 75 Resp: 3752

Ion Ratio Lower Upper

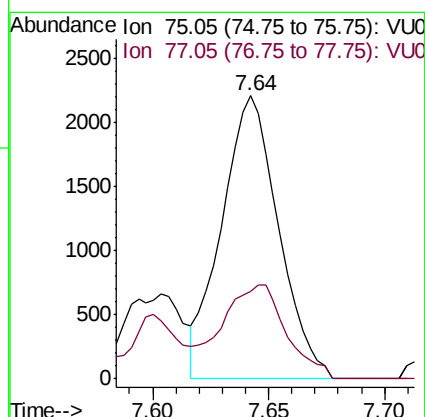
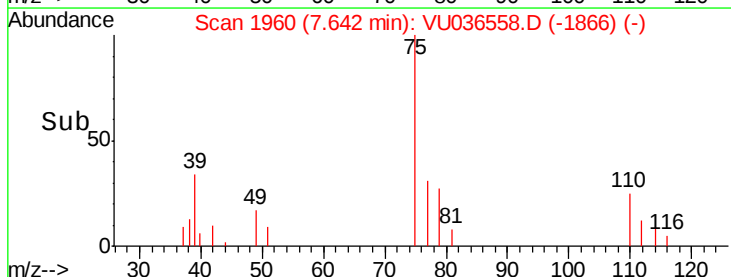
75 100

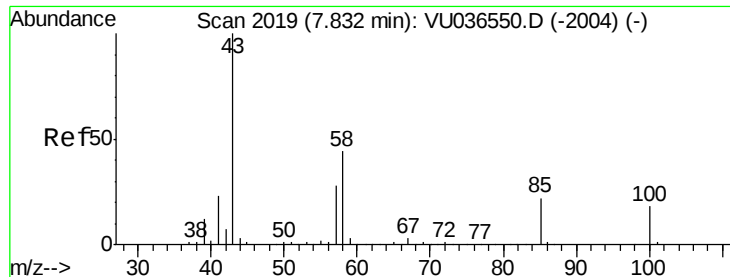
77 30.9 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU036558.D (-1866) (-)

Ion 77.05 (76.75 to 77.75): VU036558.D (-1866) (-)

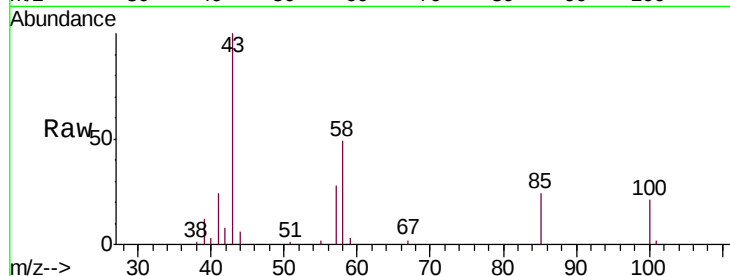




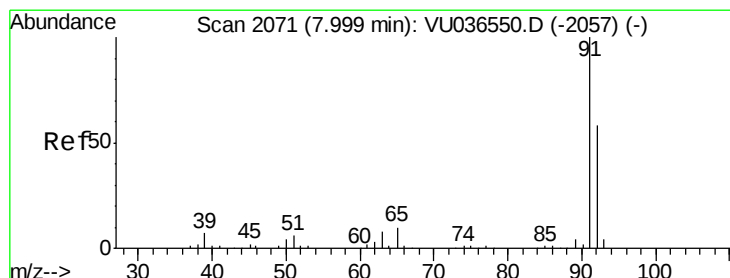
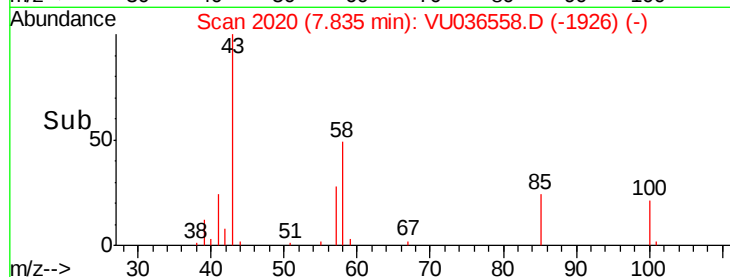
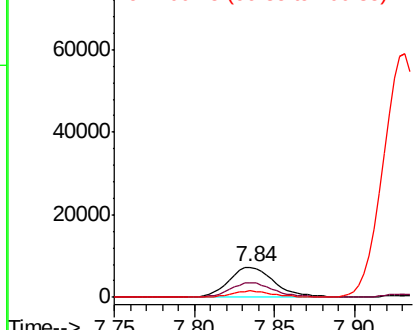
#40
4-Methyl-2-pentanone
Concen: 2.730 ug/L
RT: 7.84 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VU036558.D
Acq: 24 Jan 2020 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 14272
Ion Ratio Lower Upper
43 100
58 46.9 35.6 53.4
100 0.0 14.9 22.3#

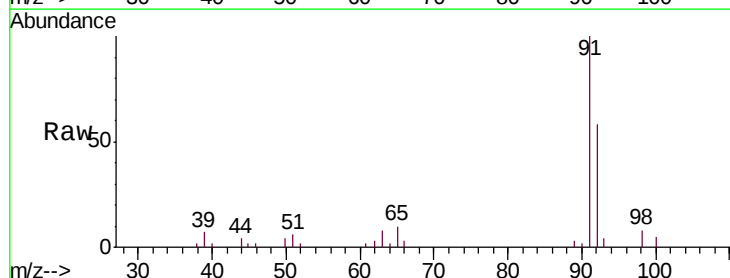


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

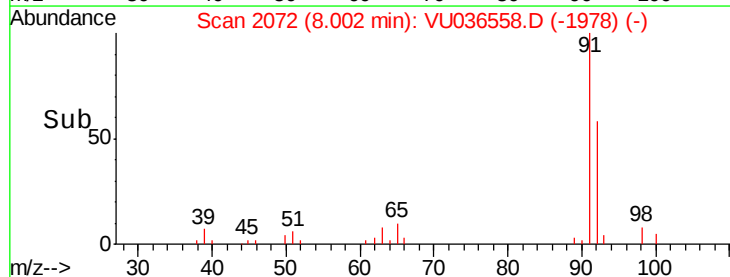
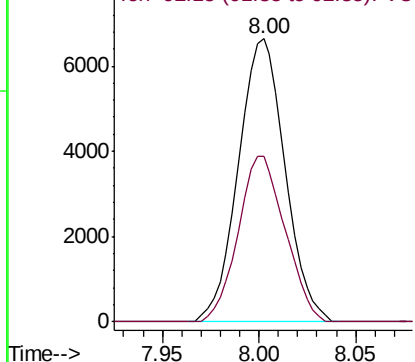


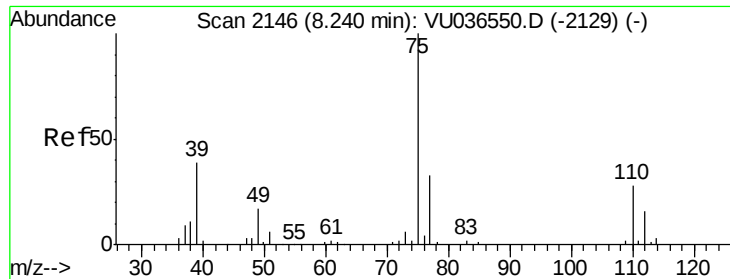
#42
Toluene
Concen: 0.270 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036558.D
Acq: 24 Jan 2020 16:31

Tgt Ion: 91 Resp: 11138
Ion Ratio Lower Upper
91 100
92 58.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.302 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

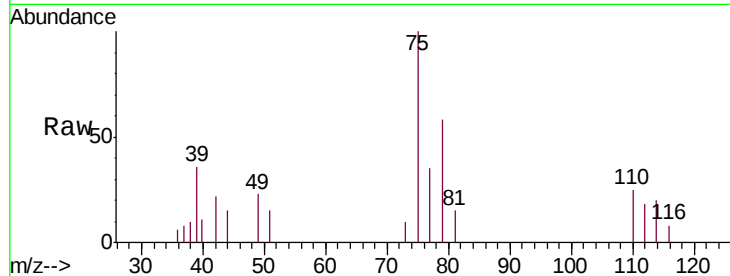
MDL02

Tgt Ion: 75 Resp: 3329

Ion Ratio Lower Upper

75 100

77 35.4 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VU036550.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036550.D (-2129) (-)

8.24

1500

1000

500

0

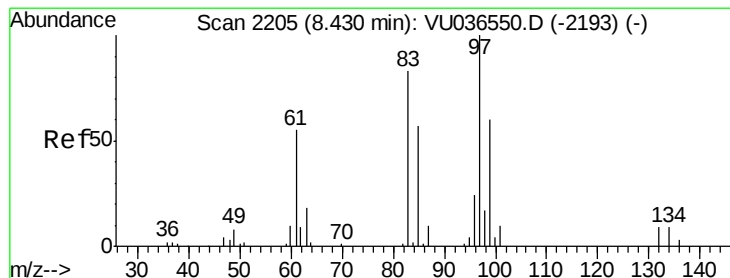
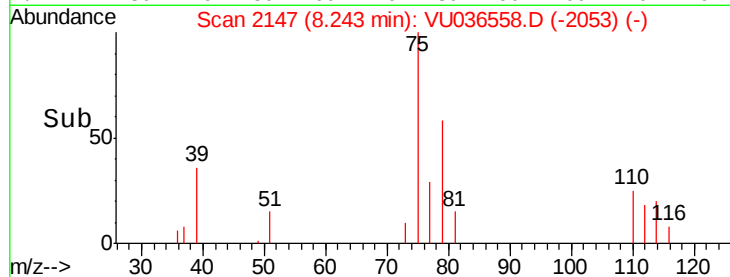
Time-->

8.15

8.20

8.25

8.30



#45

1,1,2-Trichloroethane

Concen: 0.269 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Tgt Ion: 97 Resp: 1847

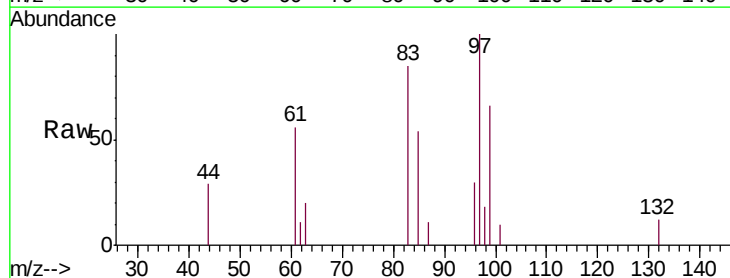
Ion Ratio Lower Upper

97 100

99 65.9 42.1 78.3

83 85.1 58.4 108.6

85 53.8 39.6 73.6



Abundance Ion 96.95 (96.65 to 97.65): VU036550.D (-2193) (-)

Ion 99.05 (98.75 to 99.75): VU036550.D (-2193) (-)

Ion 82.95 (82.65 to 83.65): VU036550.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU036550.D (-2193) (-)

1500

1000

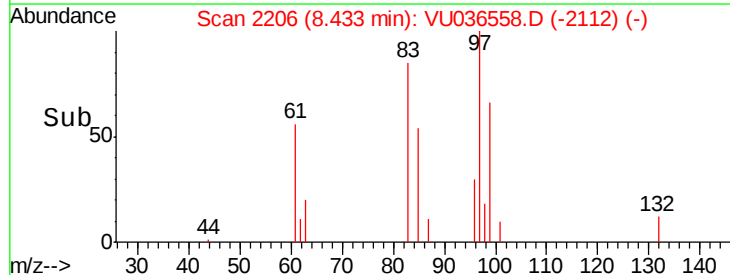
500

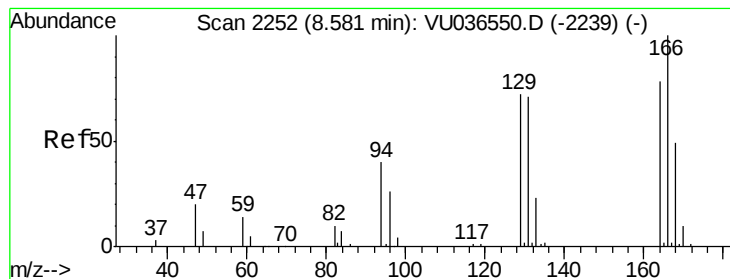
0

Time-->

8.40

8.45





#47

Tetrachloroethene

Concen: 0.278 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:164 Resp: 2243

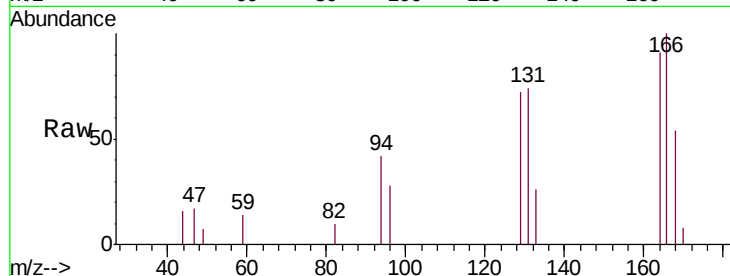
Ion Ratio Lower Upper

164 100

129 79.5 64.7 120.1

131 81.3 64.0 118.8

166 109.9 89.5 166.3



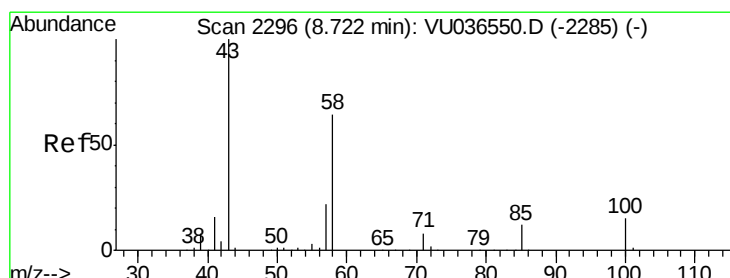
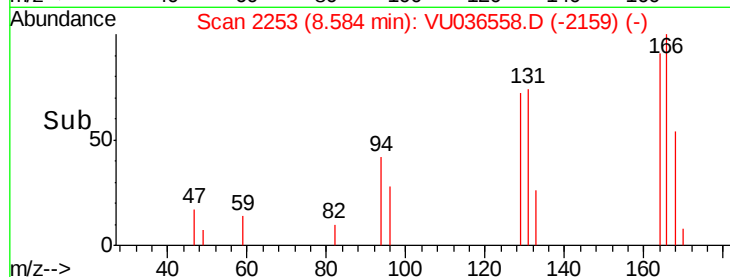
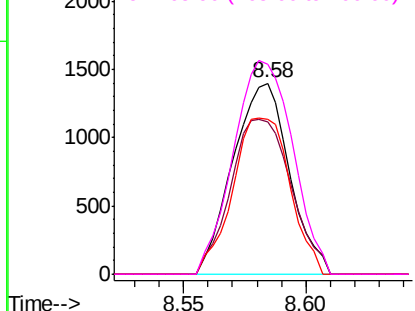
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.228 ug/L

RT: 8.72 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Tgt Ion: 43 Resp: 11645

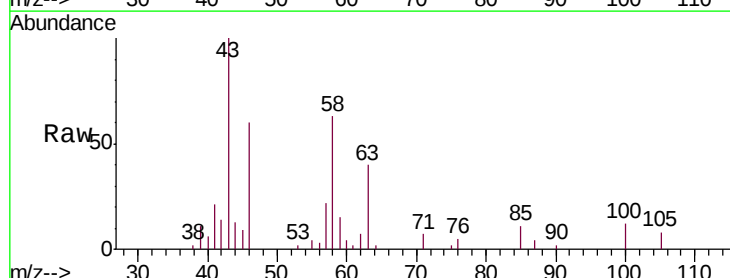
Ion Ratio Lower Upper

43 100

58 59.1 50.2 75.2

57 23.5 17.5 26.3

100 11.2 11.5 17.3#



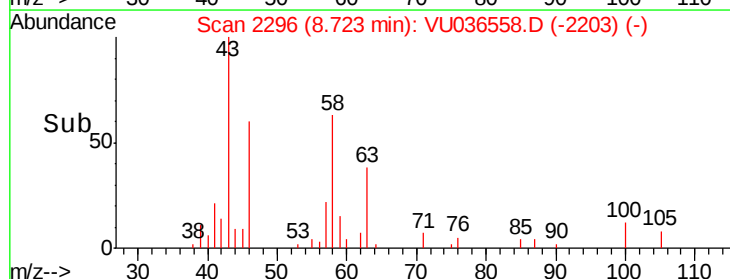
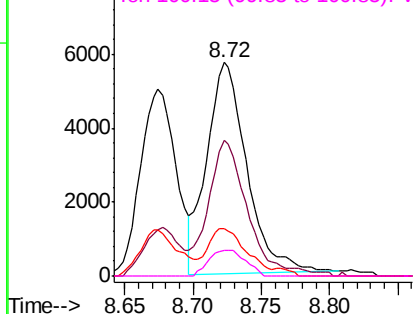
Abundance

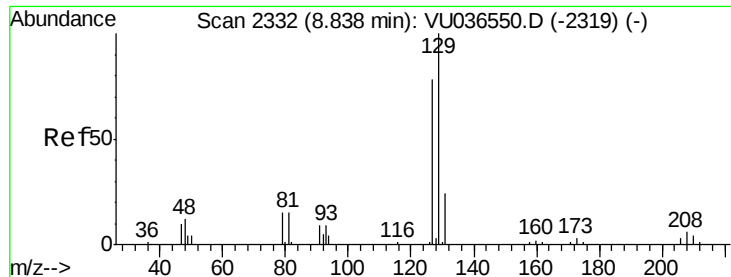
Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.255 ug/L

RT: 8.84 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

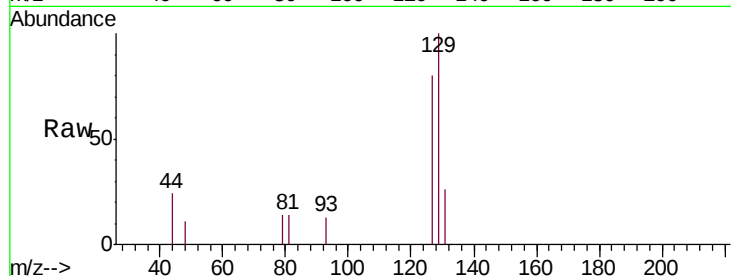
MDL02

Tgt Ion:129 Resp: 2005

Ion Ratio Lower Upper

129 100

127 79.7 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.84

1200

1000

800

600

400

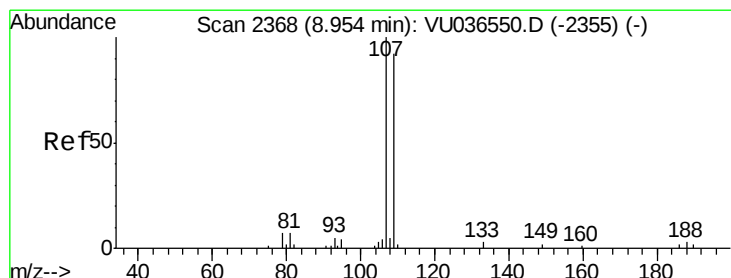
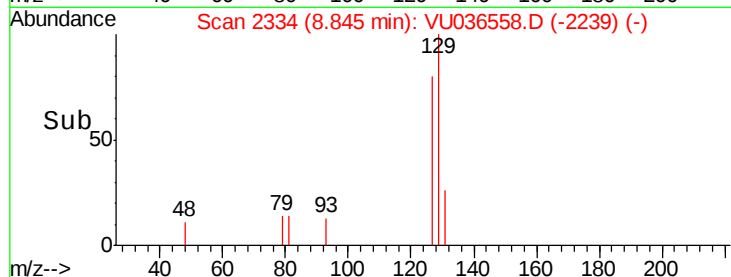
200

0

8.80

8.85

Time-->



#50

1,2-Dibromoethane

Concen: 0.247 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

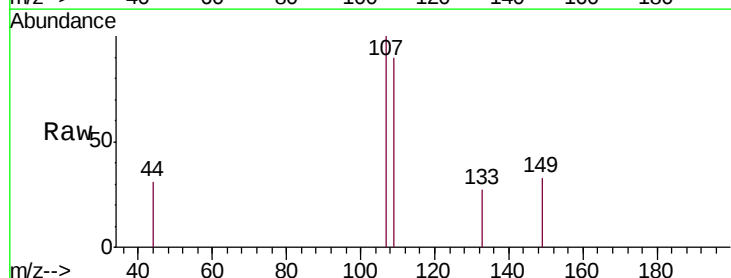
Tgt Ion:107 Resp: 1651

Ion Ratio Lower Upper

107 100

109 89.8 64.5 119.9

188 0.0 2.8 4.2#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

8.96

1000

500

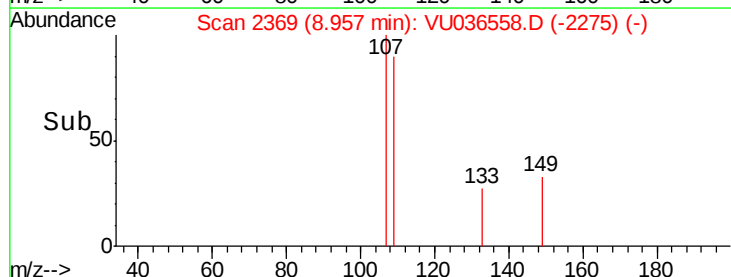
0

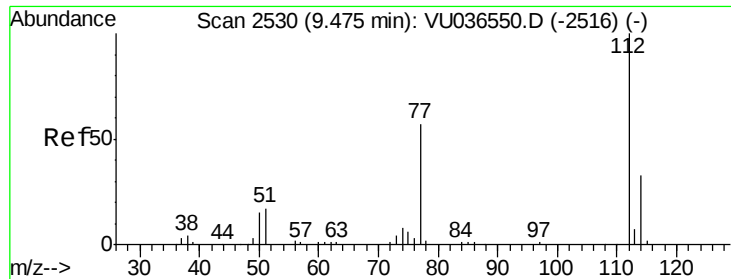
8.90

8.95

9.00

Time-->





#51

Chlorobenzene

Concen: 0.283 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL02

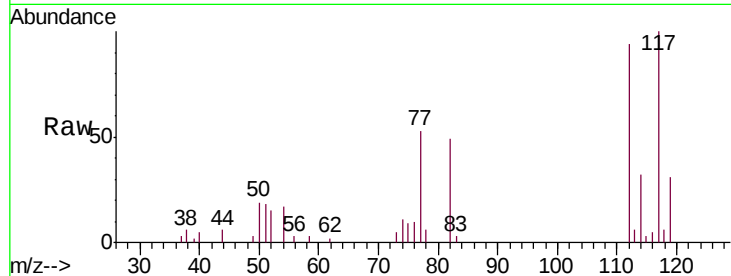
Tgt Ion: 112 Resp: 7512

Ion Ratio Lower Upper

112 100

114 34.0 23.2 43.2

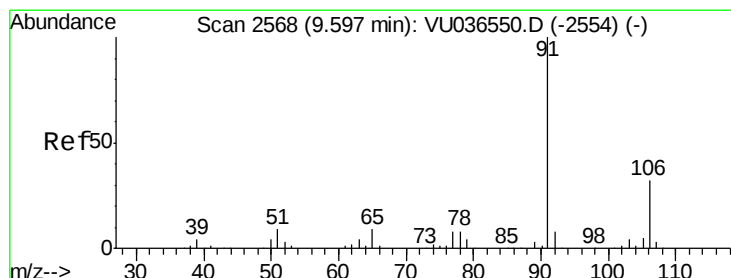
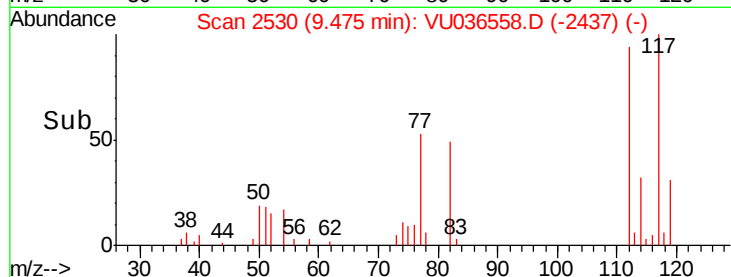
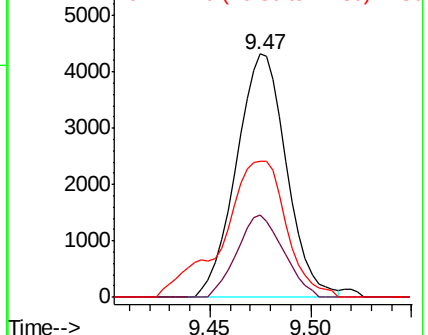
77 56.1 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#52

Ethylbenzene

Concen: 0.274 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036558.D

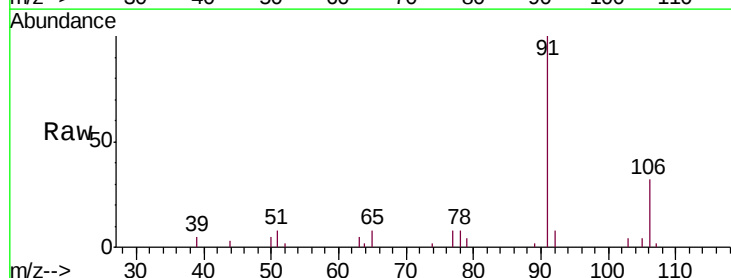
Acq: 24 Jan 2020 16:31

Tgt Ion: 91 Resp: 12300

Ion Ratio Lower Upper

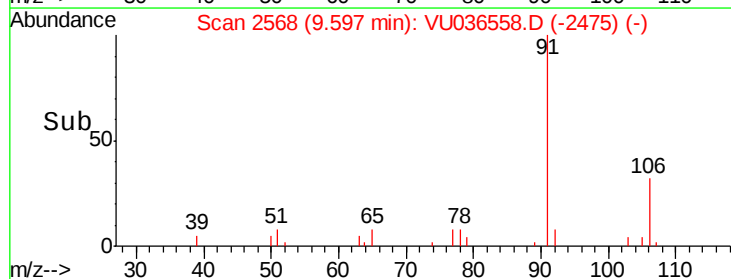
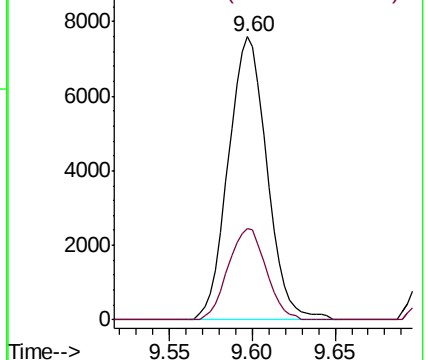
91 100

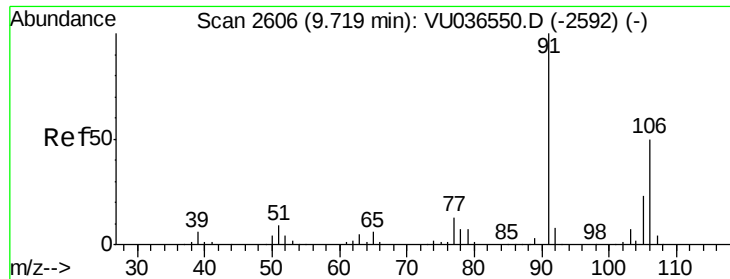
106 32.5 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.263 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

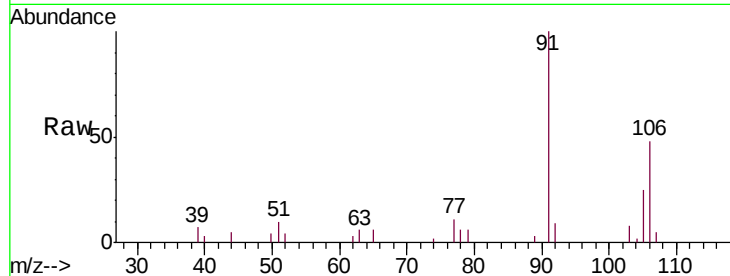
MDL02

Tgt Ion:106 Resp: 4578

Ion Ratio Lower Upper

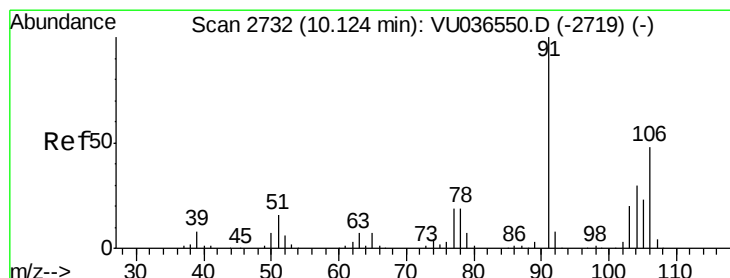
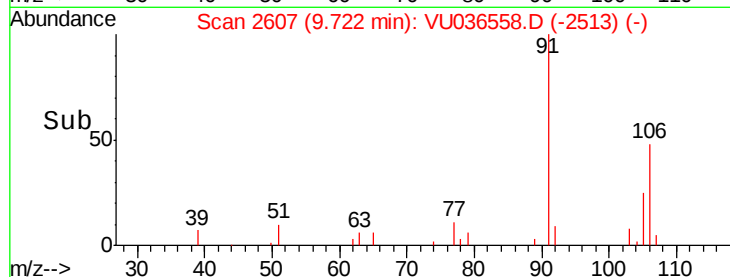
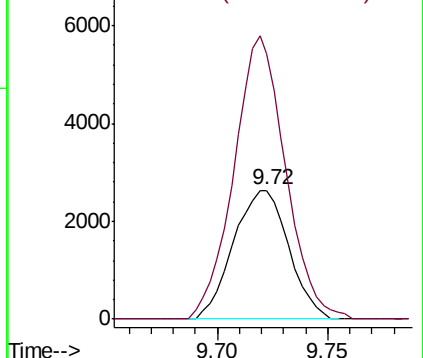
106 100

91 206.5 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.262 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036558.D

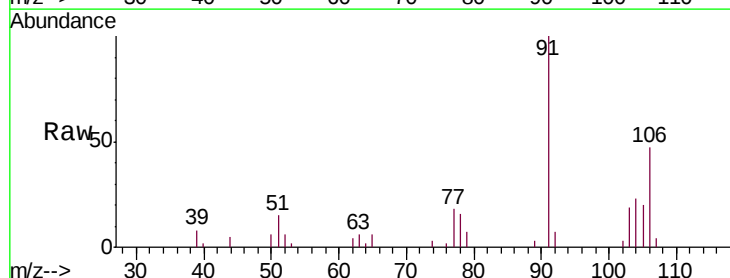
Acq: 24 Jan 2020 16:31

Tgt Ion:106 Resp: 4484

Ion Ratio Lower Upper

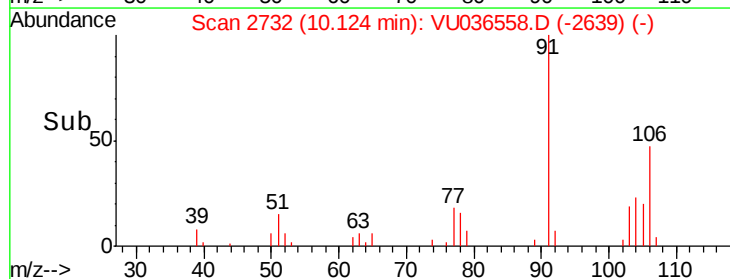
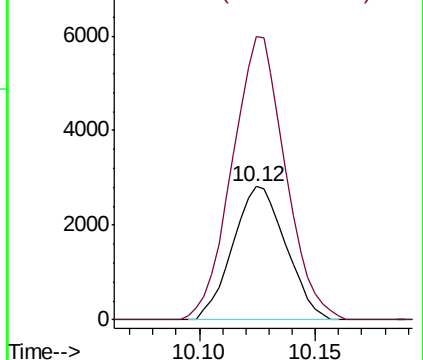
106 100

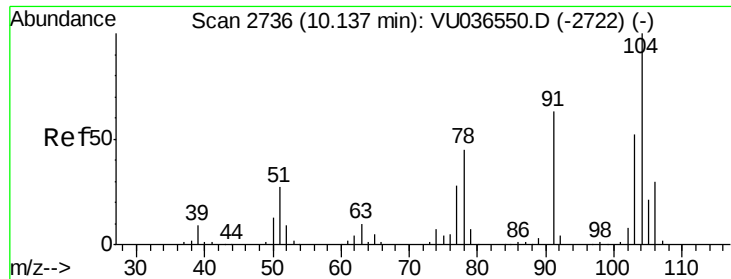
91 212.2 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.259 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampled :

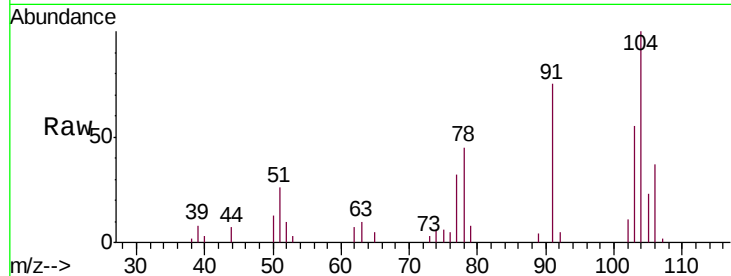
MDL02

Tgt Ion:104 Resp: 7260

Ion Ratio Lower Upper

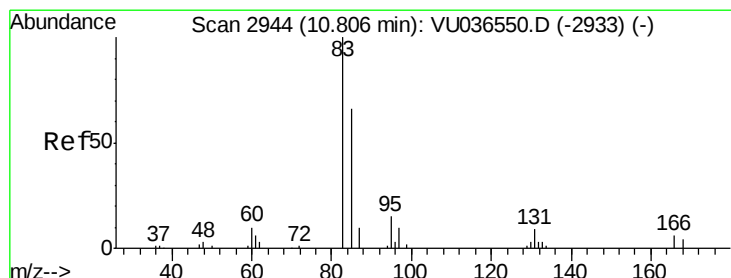
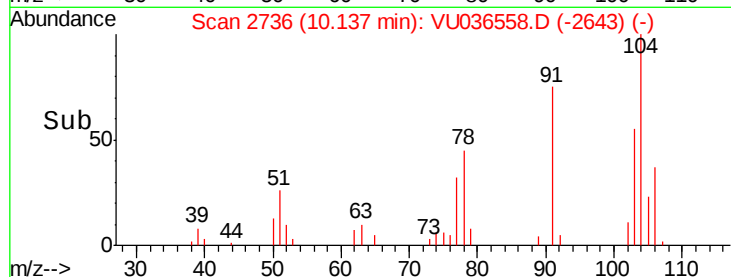
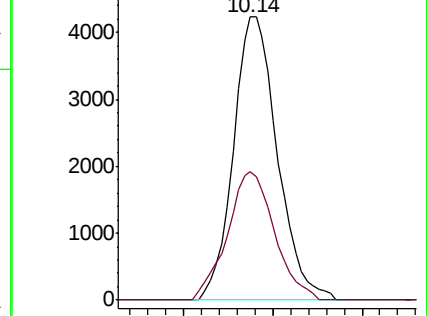
104 100

78 45.3 31.9 59.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#57

1,1,2,2-Tetrachloroethane

Concen: 0.252 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

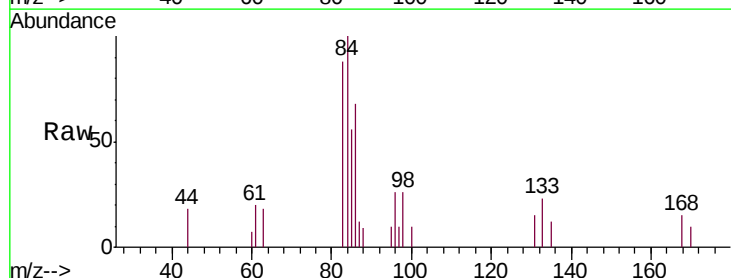
Tgt Ion: 83 Resp: 2175

Ion Ratio Lower Upper

83 100

85 63.4 47.0 87.4

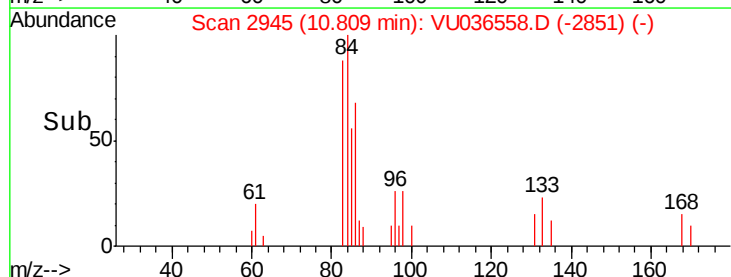
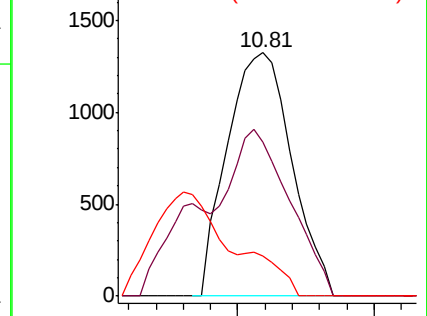
131 16.6 8.1 12.1#

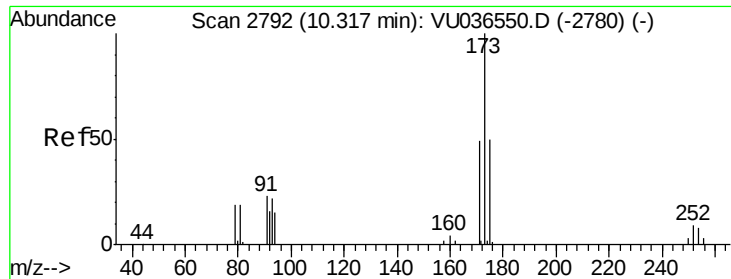


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

Bromoform

Concen: 0.241 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL02

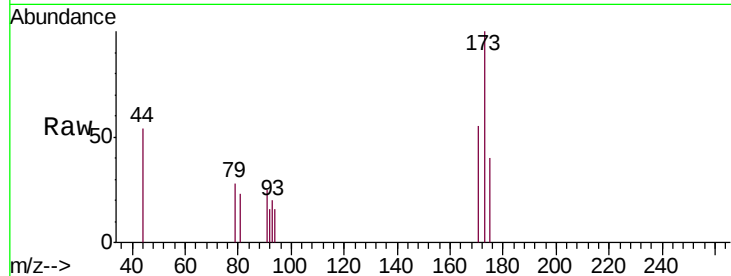
Tgt Ion:173 Resp: 1012

Ion Ratio Lower Upper

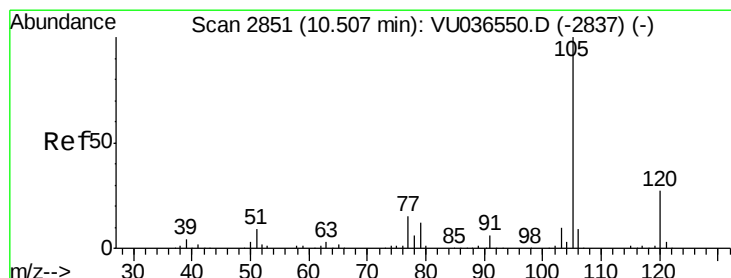
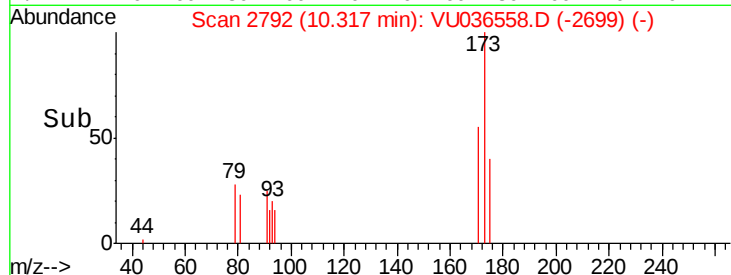
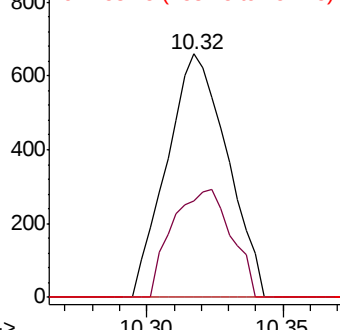
173 100

175 43.4 39.0 58.4

254 0.0 6.3 9.5#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.274 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

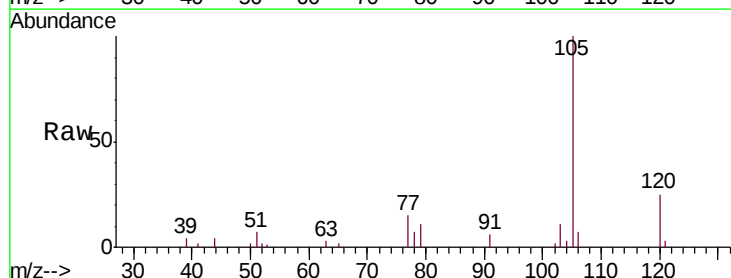
Tgt Ion:105 Resp: 11550

Ion Ratio Lower Upper

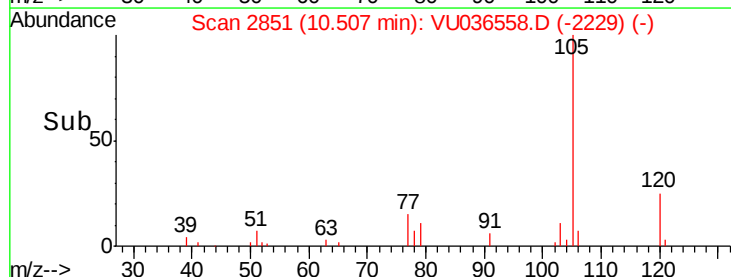
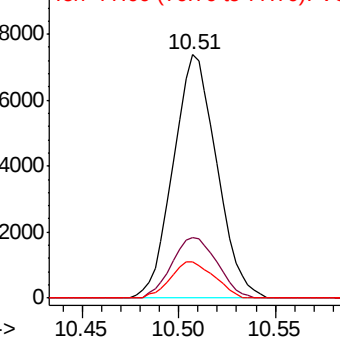
105 100

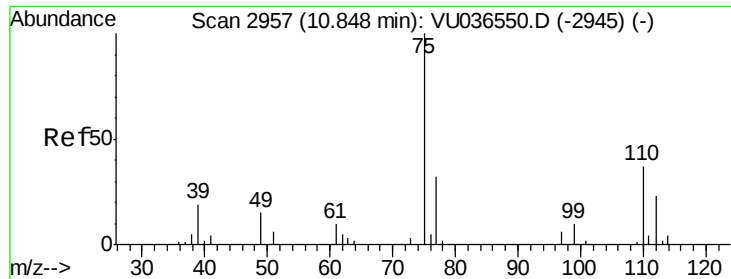
120 25.9 21.5 32.3

77 15.0 12.2 18.2



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

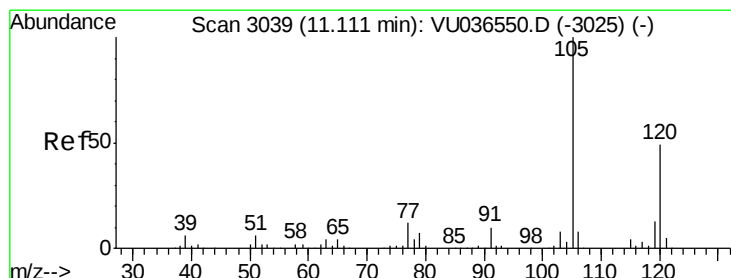
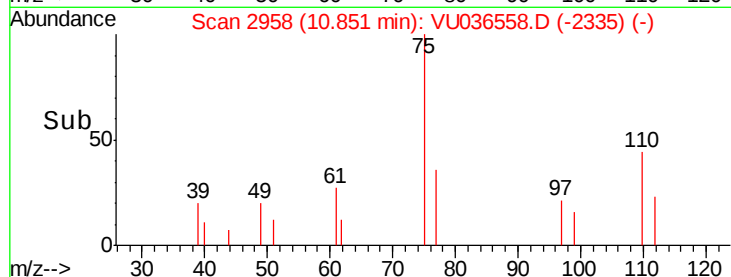
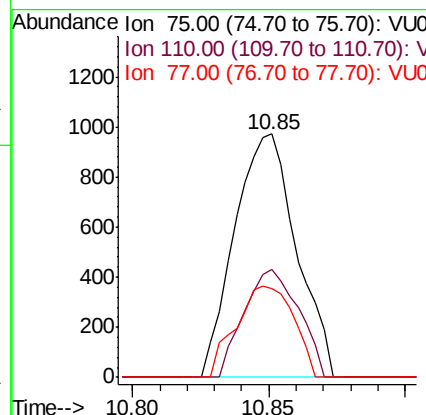
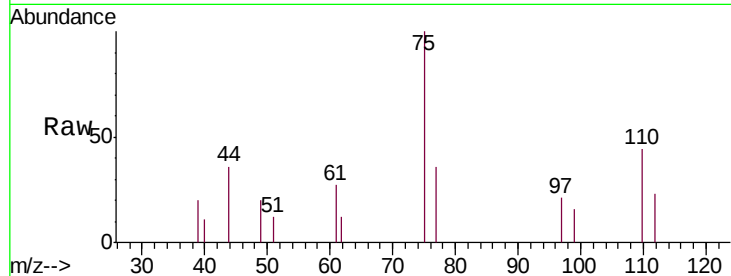




#61
 1,2,3-Trichloropropane
 Concen: 0.263 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

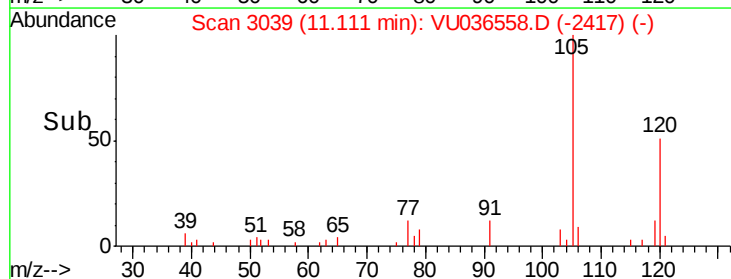
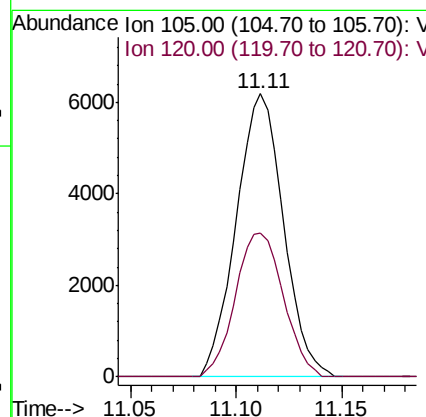
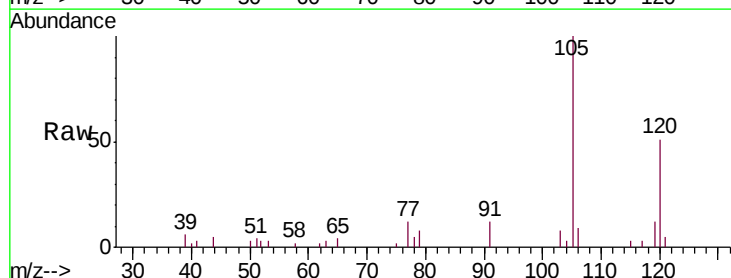
Instrument :
 MSVOA_U
 ClientSampleID :
 MDL02

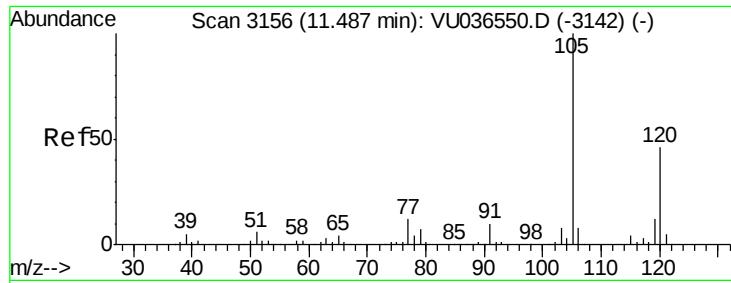
Tgt Ion: 75 Resp: 1528
 Ion Ratio Lower Upper
 75 100
 110 39.4 29.0 43.4
 77 34.9 25.8 38.6



#62
 1,3,5-Trimethylbenzene
 Concen: 0.266 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

Tgt Ion: 105 Resp: 9611
 Ion Ratio Lower Upper
 105 100
 120 51.5 39.7 59.5

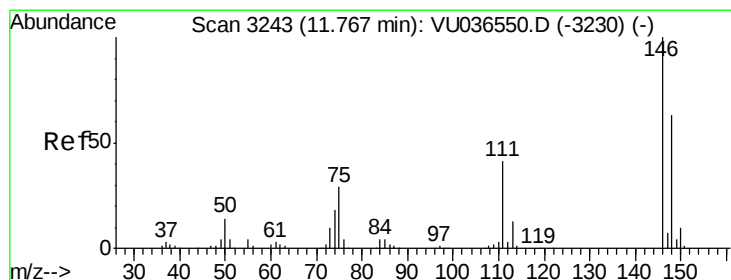
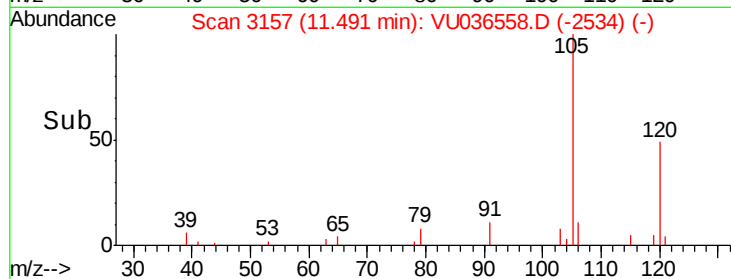
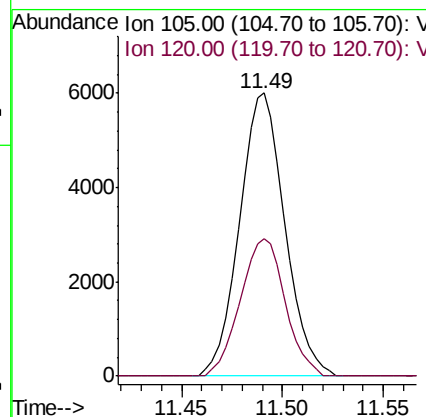
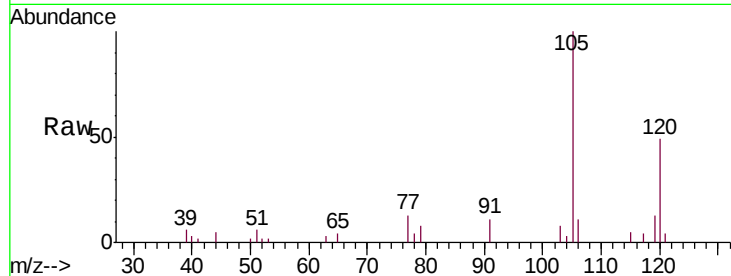




#63
 1,2,4-Trimethylbenzene
 Concen: 0.263 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

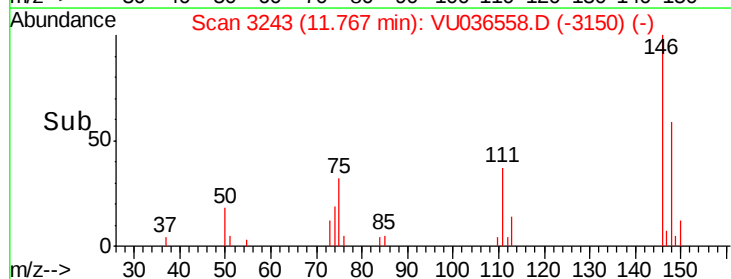
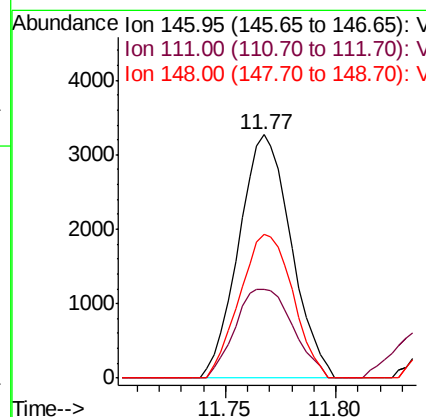
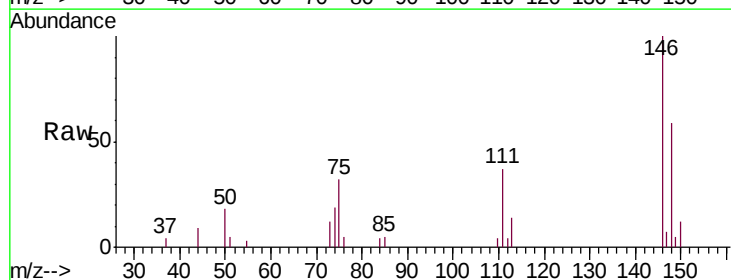
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

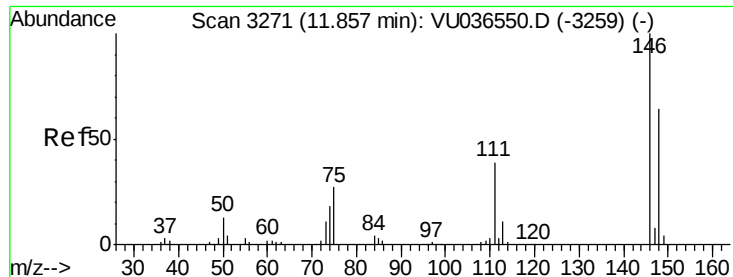
Tgt Ion:105 Resp: 9430
 Ion Ratio Lower Upper
 105 100
 120 48.1 36.9 55.3



#64
 1,3-Dichlorobenzene
 Concen: 0.274 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

Tgt Ion:146 Resp: 5384
 Ion Ratio Lower Upper
 146 100
 111 36.6 28.8 53.6
 148 59.1 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 0.271 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL02

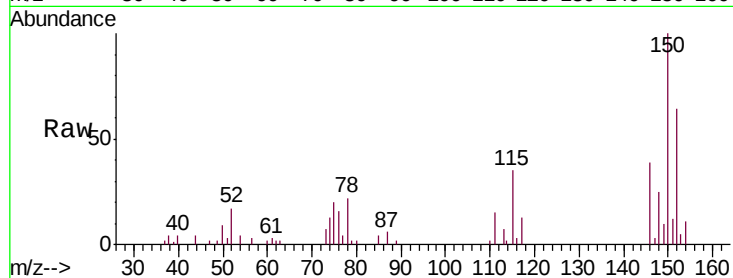
Tgt Ion:146 Resp: 5331

Ion Ratio Lower Upper

146 100

111 39.1 27.2 50.6

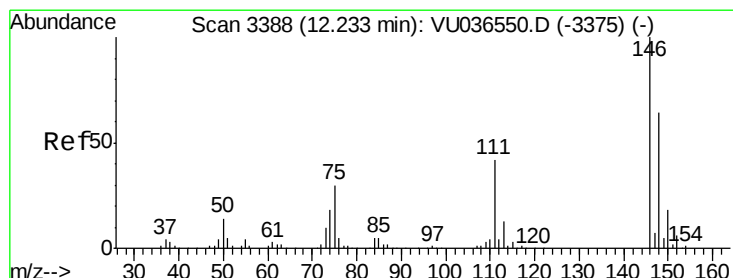
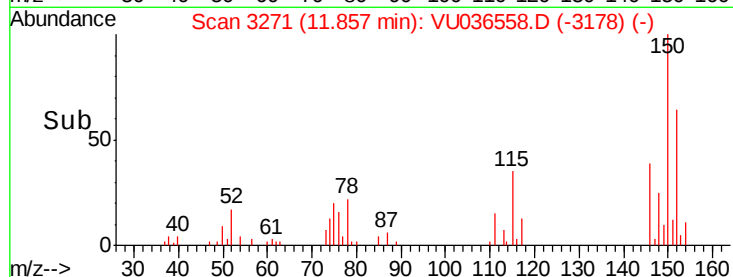
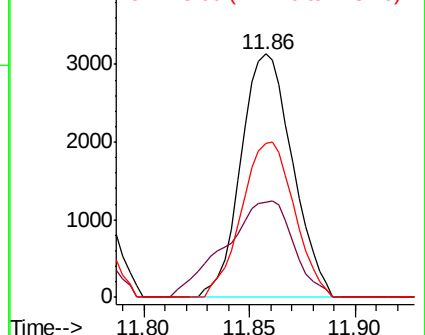
148 63.5 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 0.289 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

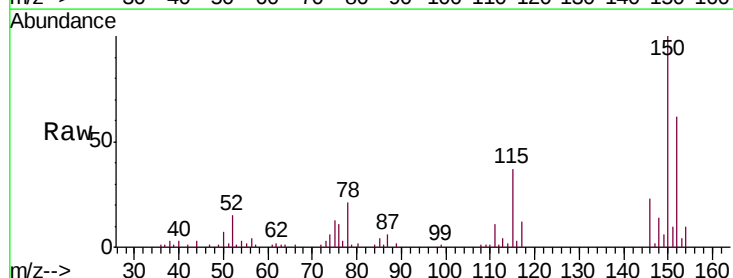
Tgt Ion:146 Resp: 5443

Ion Ratio Lower Upper

146 100

111 46.4 33.4 50.0

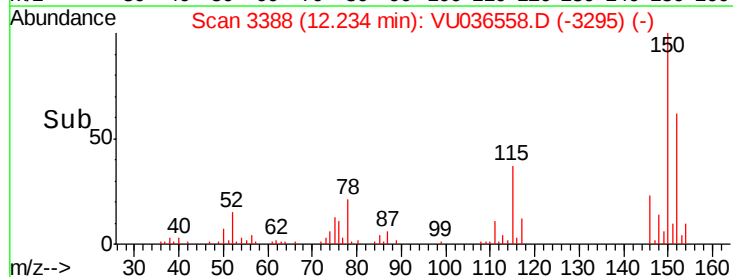
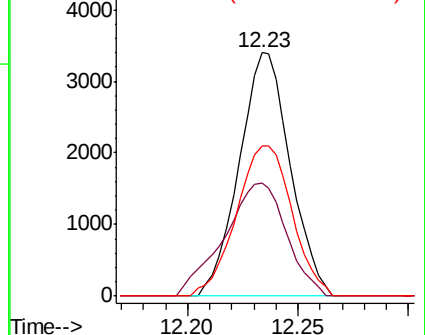
148 61.4 51.0 76.4

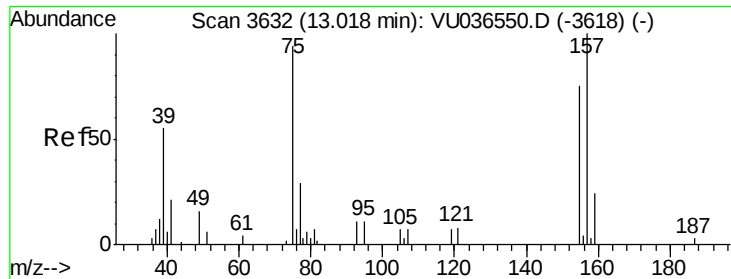


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

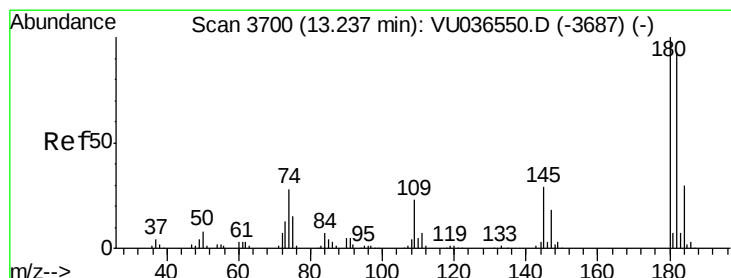
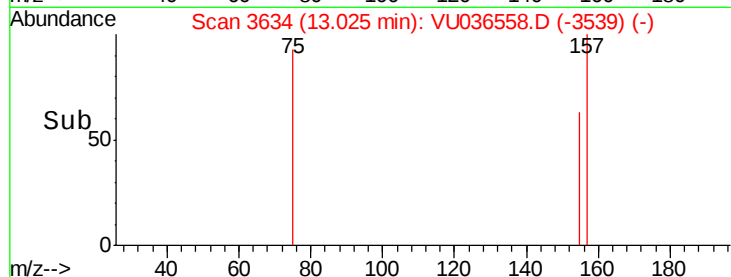
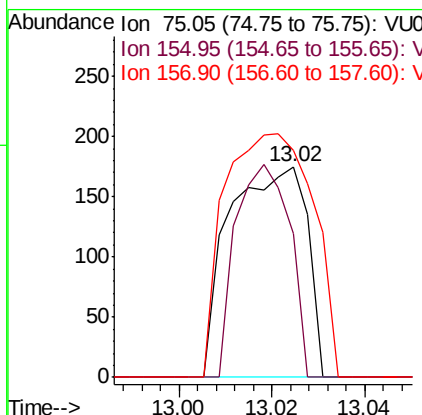
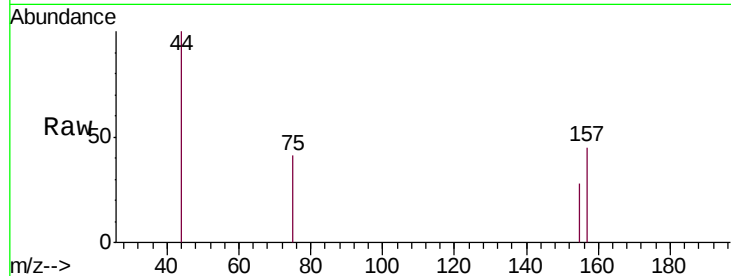




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.165 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

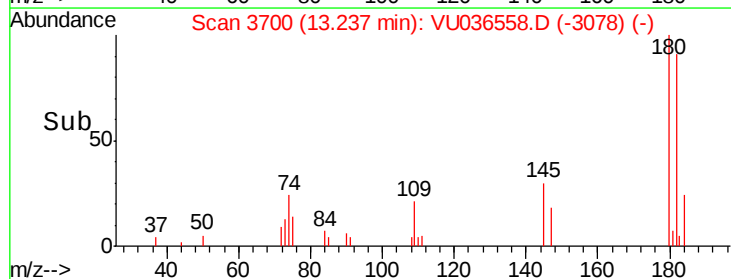
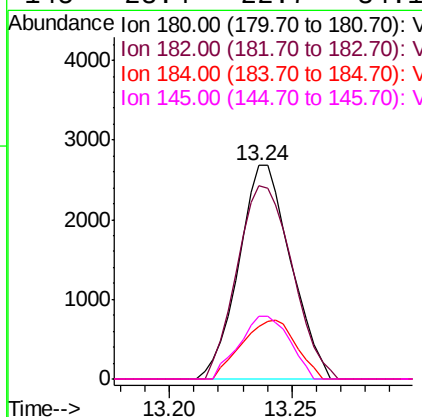
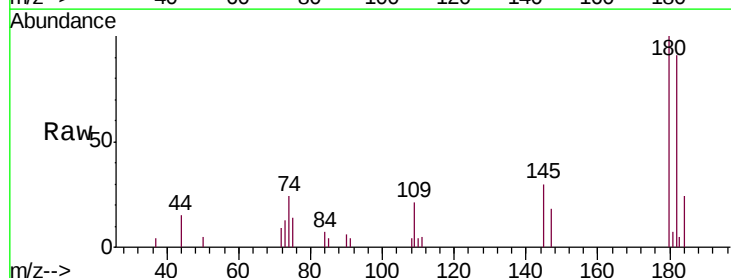
Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

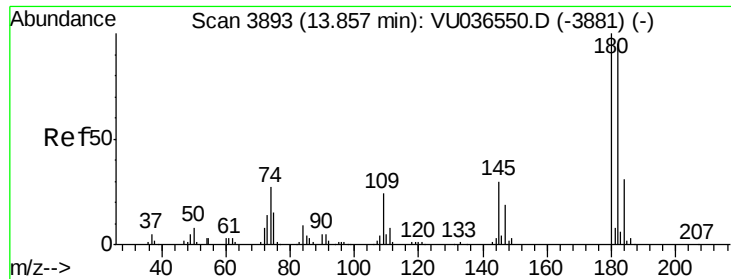
Tgt Ion: 75 Resp: 203
 Ion Ratio Lower Upper
 75 100
 155 68.0 64.2 96.4
 157 108.0 85.1 127.7



#69
 1,3,5-Trichlorobenzene
 Concen: 0.262 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

Tgt Ion: 180 Resp: 3968
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.2 112.8
 184 28.7 23.9 35.9
 145 28.4 22.7 34.1





#70

1,2,4-trichlorobenzene

Concen: 0.206 ug/L

RT: 13.86 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL02

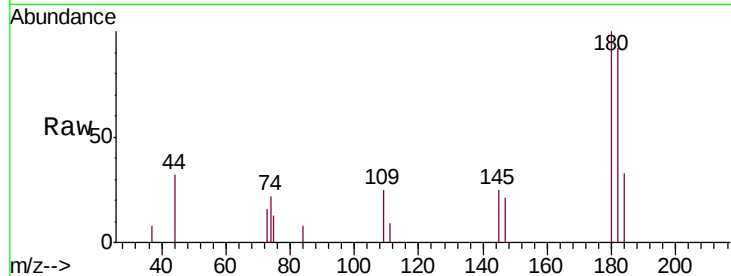
Tgt Ion:180 Resp: 2260

Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.4

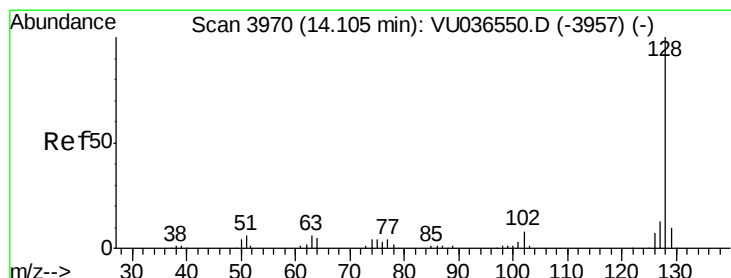
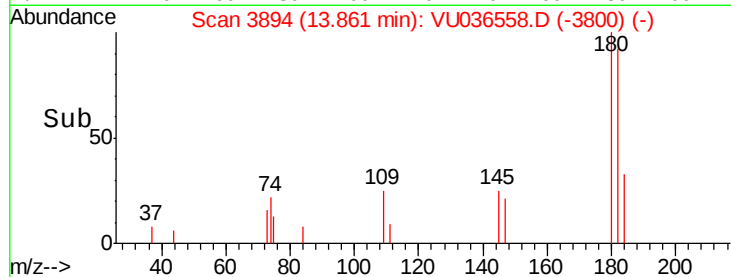
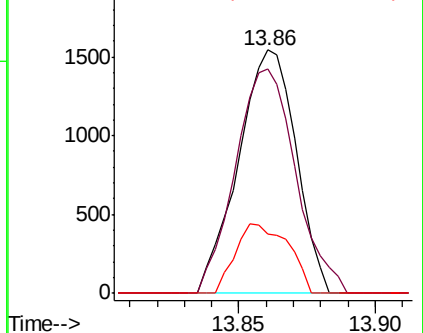
145 26.3 23.9 35.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#71

Naphthalene

Concen: 0.176 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036558.D

Acq: 24 Jan 2020 16:31

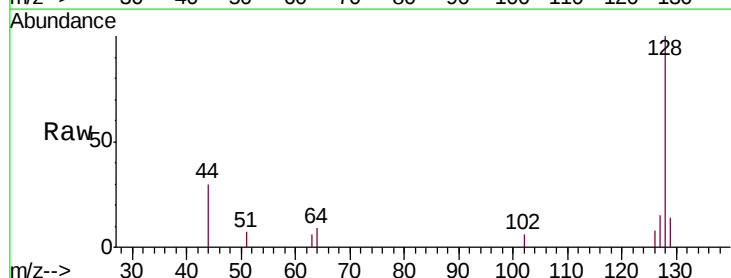
Tgt Ion:128 Resp: 2764

Ion Ratio Lower Upper

128 100

129 8.9 8.4 12.6

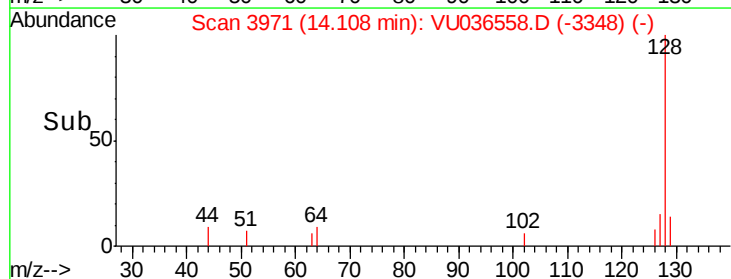
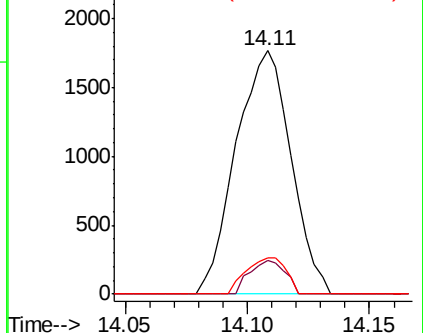
127 10.7 9.9 14.9

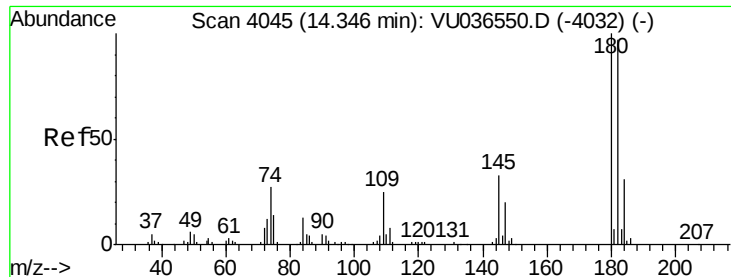


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 0.194 ug/L
 RT: 14.35 min Scan# 4045
 Delta R.T. 0.00 min
 Lab File: VU036558.D
 Acq: 24 Jan 2020 16:31

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tgt Ion	Resp	Lower	Upper
180	100		
182	111.4	76.2	114.2
145	36.1	25.6	38.4

